



City of Portland, Oregon - Bureau of Development Services

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



Deferred Submittal Requirements and Application

Applicants will provide:

- ☐ A copy of this application
- ☐ Three (3) sets of plans
- ☐ Two (2) set of calculations
- ☐ Two (2) sets of product information
- ☐ Drawings and calculations must be stamped and signed by an Engineer registered in Oregon and approved by the Architect/Engineer of record for the building.
- ☐ Permit fee (paid at time of submittal)
- ☐ If the DFS includes exterior elements, plan views and elevations identifying the location(s) as approved by the Architect and Engineer of Record must be submitted.
- ☐ One (1) copy of your main building permit approved plans (NOTE: Approved plans do not need to be submitted if your project has a development liaison assigned.)

Contractor submittal information:

Contact name Mike Coyle
Address 14334 NW Eaglenidge Ln.
City Portland State OR Zip Code 97229
Phone (503) 680-5497 E-mail mike@fasterpermits.com
Value of deferred submittal \$ 2,500.00 Issued main building permit # 15-151004-RS
Description/Scope of work DFS Trusses

Fees

Deferred submittal (DFS) fees are collected in addition to the standard building review fee paid on the main building permit. DFS fees cover the cost of the additional processing and review time associated with the design build element.

The DFS fee for processing and reviewing deferred plan submittals is 10 percent of the building permit fee calculated using the value of the particular deferred portion of the project.

Minimum fee: Residential, one and two family dwelling ...\$123 for DFS with valuation of less than or equal to \$222,000

Commercial and all other projects\$307 for DFS with valuation of less than or equal to \$680,000

The Bureau of Development Services (BDS) fee schedule is also available on the BDS web site at www.portlandoregon.gov/bds | select the Fees tab.

Helpful Information

Bureau of Development Services
1900 SW 4th Avenue, Portland, OR 97201

Submit your plans to:

Development Services Center (DSC), First Floor,
For Hours Call 503-823-7310 | Select option 1

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 dwellings..... 503-823-7388
City of Portland TTY 503-823-6868

DEFERRED SUBMITTAL REQUIREMENTS AND APPLICATION

Information is subject to change.

SCAN



BDS Checksheet Response

Permit #: 15-151004-DFS 01-RS Date: 11/13/16

Customer name and phone number: Mike Coyle (503) 680-5497

Note: Check which review you are responding to. Please provide specific information concerning the changes you have made in response to the checklist. Note the checksheet item number. Describe the change, revision, or correction. Identify the location on the plans (i.e. page number and/or detail number). Use as many lines as needed. *If the item is not in response to a checklist, write “Applicant” in the column labeled “Checksheet item number.”*

- ☐ Planning ☒ Structural ☐ PBOT ☐ Fire ☐ Plumbing
☐ Life Safety ☐ BES Pollution Prevention ☐ BES ☐ Water ☐ Site Dev.
☐ Electrical ☐ Urban Forestry ☐ Addressing ☐ Parks & Recreation

Please use this sheet to submit your response to only one of the above review groups. If you need to respond to more than one review group, you will need a separate Checksheet Response Form for each group.

[illegible]

Plr_cksheet_resp_form



MiTek USA, Inc.

250 Klug Circle
Corona, CA 92880
951-245-9525

Re: 150457

The truss drawing(s) referenced below have been prepared by MiTek Industries, Inc. under my direct supervision based on the parameters provided by Trus-way Inc.

Pages or sheets covered by this seal: K1590823 thru K1590843

My license renewal date for the state of Oregon is December 31, 2016.

Lumber design values are in accordance with ANSI/TPI 1-2007 section 6.3
These truss designs rely on lumber values established by others.

RECEIVED
JAN 13 2016
BDS
DOCUMENT SERVICES



Mark Paul Rivera
EXPIRES 12/31/2016

December 11, 2015

Rivera, Mark

SCAN

City of Portland
REVIEWED FOR CODE
COMPLIANCE

JAN 22 2016

Permit Number

The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI 1.

15-151004-DFS01-RS-1

Job	Truss	Truss Type	Qty	Ply	K1590823
150457	A01	Common Supported Gable	1	1	Job Reference (optional)

Trus-Way, Inc., Vancouver, WA 98668

7,640 s Sep 29 2015 MiTek Industries, Inc. Thu Dec 10 17:29:57 2015 Page 1
ID:Unwb7_dQmwOQ5g2ZUL4F_VyoyZl-M2qp2ko6WnP7Zlyf05UYiFxS0AsU39FruoE7gdyAHdu

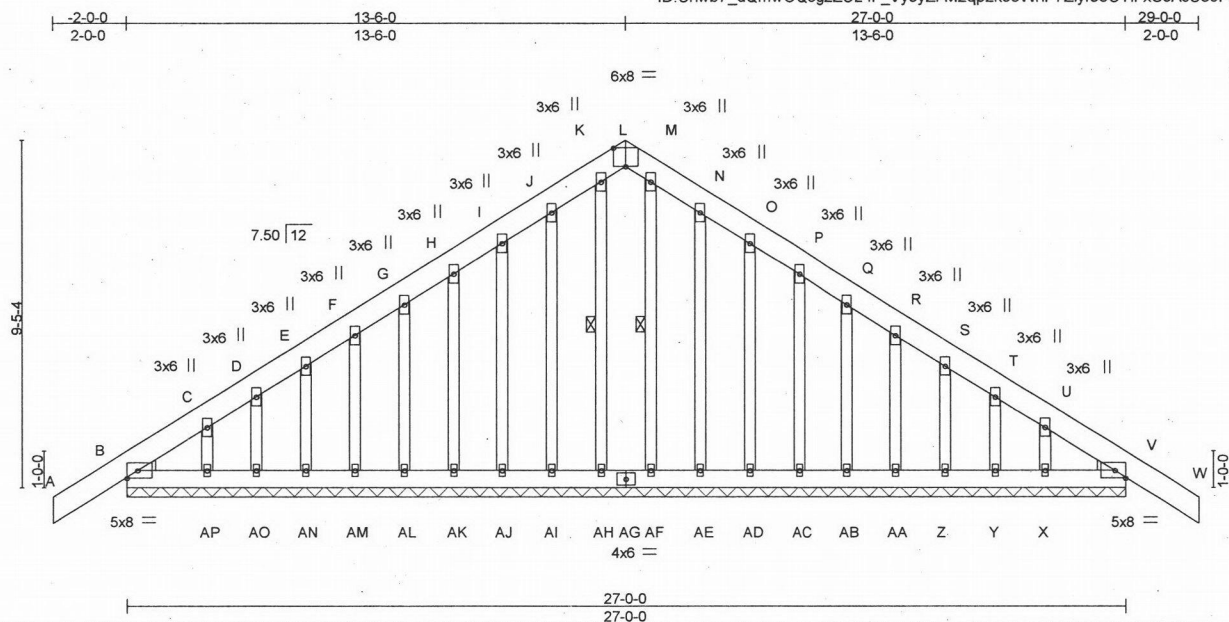


Plate Offsets (X, Y) - [L:0-4-0, Edge]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 25.0	Plate Grip DOL	1.15	TC 0.06	Vert(LL)	-0.00	W	n/r	120	220/195
Snow (Pf/Pg) 20.8/30.0	Lumber DOL	1.15	BC 0.03	Vert(TL)	-0.00	W	n/r	90	
TCDL 7.0	Rep Stress Incr	YES	WB 0.07	Horz(TL)	0.00	V	n/a	n/a	
BCLL 0.0 *	Code IRC2012/TPI2007		(Matrix)						
BCDL 10.0									
								Weight: 279 lb	FT = 20%

LUMBER-

TOP CHORD 2x8 DF SS
BOT CHORD 2x6 DF SS G
OTHERS 2x4 DF Stud/Std G
WEDGE
Left: 2x4 DF Stud/Std -G, Right: 2x4 DF Stud/Std -G

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt K-AH, M-AF

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

REACTIONS.

All bearings 27-0-0.
(lb) - Max Horz B=-226(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) L, AI, AJ, AK, AL, AM, AN, AO, AP, AE, AD, AC, AB, AA, Z, Y, X
except B=-123(LC 12), V=-123(LC 12)
Max Grav All reactions 250 lb or less at joint(s) L, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AF, AE, AD, AC, AB, AA, Z, Y, X except B=332(LC 16), V=332(LC 16)

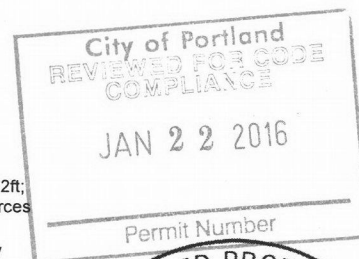
FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD I-J=-195/264, J-K=-219/298, K-L=-218/307, L-M=-218/307, M-N=-219/298, N-O=-195/264

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=140mph (3-second gust) V(IRC2012)=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=27ft; eave=2ft; Cat. II; Exp B; enclosed; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate DOL=1.60
- 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.
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load); Lumber DOL=1.15 Plate DOL=1.15; Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow); Lumber DOL=1.15 Plate DOL=1.15; Category II; Exp B; Fully Exp.; Ct=1.1
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.8 psf on overhangs non-concurrent with other live loads.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 1-4-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- A plate rating reduction of 20% has been applied for the green lumber members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) L, AI, AJ, AK, AL, AM, AN, AO, AP, AE, AD, AC, AB, AA, Z, Y, X except (jt=lb) B=123, V=123.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) V.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard



EXPIRES: 12/31/2016
December 11, 2015

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK 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.



250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)	K1590824
150457	A02	Roof Special	6	1		
Trus-Way, Inc., Vancouver, WA 98668						
7,640 s Sep 29 2015 MiTek Industries, Inc. Thu Dec 10 17:29:58 2015 Page 1						
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<div> <div>-2-0-0</div> <div>4-3-8</div> <div>13-6-0</div> <div>20-1-4</div> <div>27-0-0</div> <div>29-0-0</div> </div> <div> <div>2-0-0</div> <div>4-3-8</div> <div>9-2-8</div> <div>6-7-4</div> <div>6-10-13</div> <div>2-0-0</div> </div>						

6x8 =

Scale = 1:61.9

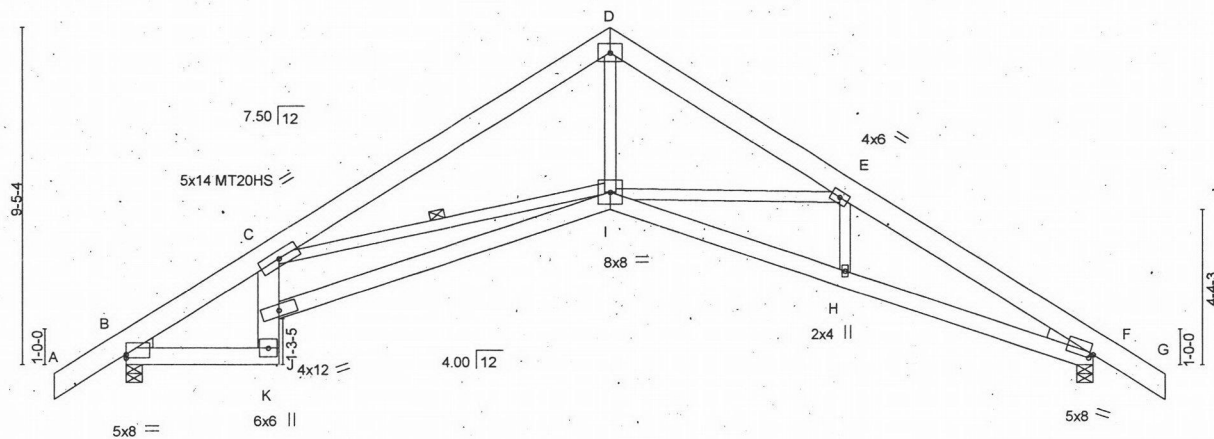


Plate Offsets (X,Y) --	[B:0-0-0,0-1-3], [F:0-1-3,0-1-8]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	TC 0.26	Vert(LL)	-0.11	H-I	>999	MT20	220/195
Snow (Pf/Pg)	20.8/30.0	Lumber DOL	BC 0.45	Vert(TL)	-0.35	I-J	>914	MT20HS	165/146
TCDL	7.0	Rep Stress Incr	WB 0.71	Horz(TL)	0.24	F	n/a		
BCLL	0.0 *	Code IRC2012/TPI2007	(Matrix-M)	Wind(LL)	0.06	I-J	>999		
BCDL	10.0							Weight: 205 lb	FT = 20%

LUMBER-

TOP CHORD 2x8 DF SS
 BOT CHORD 2x6 DF SS *Except*
 B1: 2x6 DF SS G, B2: 2x8 DF SS
 WEBS 2x4 DF Stud/Std G
 WEDGE
 Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-

TOP CHORD
 BOT CHORD
 WEBS

Structural wood sheathing directly applied or 5-7-12 oc purlins.
 Rigid ceiling directly applied or 10-0-0 oc bracing.
 1 Row at midpt C-I

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

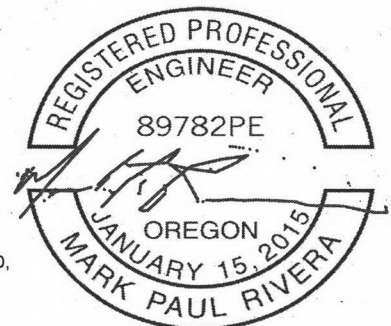
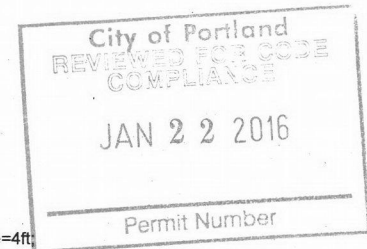
REACTIONS. (lb/size) B=1132/0-5-8, F=1132/0-5-8
 Max Horz B=226(LC 11)
 Max Uplift B=-260(LC 12), F=-260(LC 12)
 Max Grav B=1262(LC 2), F=1262(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-1590/414, C-D=-2238/346, D-E=-2132/372, E-F=-2676/533
 BOT CHORD B-K=-196/1202, C-J=-639/244, I-J=-472/2470, H-I=-284/2251, F-H=-275/2217
 WEBS C-I=-736/477, D-I=-90/1613, E-I=-491/298

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=140mph (3-second gust) V(IRC2012)=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=27ft; eave=4ft; Cat. II; Exp B; enclosed; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load); Lumber DOL=1.15 Plate DOL=1.15; Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow); Lumber DOL=1.15 Plate DOL=1.15; Category II; Exp B; Fully Exp.; Ct=1.1
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.8 psf on overhangs non-concurrent with other live loads.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- A plate rating reduction of 20% has been applied for the green lumber members.
- Bearing at joint(s) F considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except -(jt=lb) B=260, F=260.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard



EXPIRES: 12/31/2016
 December 11, 2015

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK 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.



250 Klug Circle
 Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	
150457	A03	Roof Special	2	1	K1590825

Trus-Way, Inc., Vancouver, WA 98668

Job Reference (optional)
ID: Unwb7_dQmwOQ5g2ZUL4F_VyoyZi-IQyZTQqM2Pgro?628WX0ng1ITzSoXvc8L6jEiWYAHds



Scale = 1:60.8

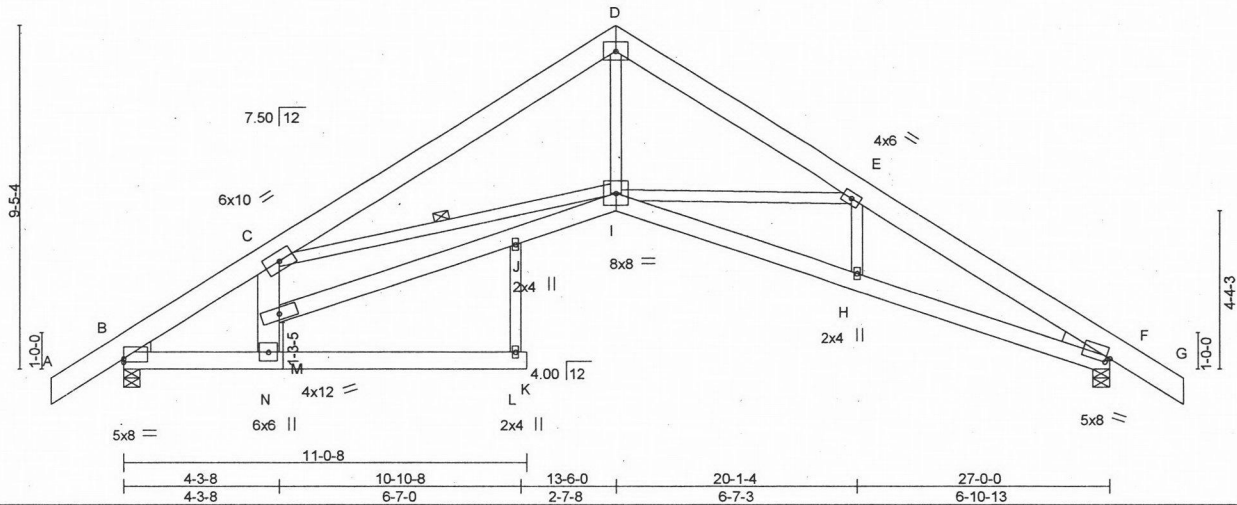


Plate Offsets (X,Y) -- [B:0-0-0,0-1-3], [F:0-1-3,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.26	in (loc) l/defl L/d	MT20	220/195
Snow (Pf/Pg) 20.8/30.0	Plate Grip DOL 1.15	BC 0.42	Vert(LL) -0.11 L-N >999 240		
TCDL 7.0	Lumber DOL 1.15	WB 0.72	Vert(TL) -0.32 L-N >999 180		
BCLL 0.0 *	Rep Stress Incr YES	(Matrix-M)	Horz(TL) 0.24 F n/a n/a		
BCDL 10.0	Code IRC2012/TPI2007		Wind(LL) 0.07 L-N >999 360	Weight: 224 lb	FT = 20%

LUMBER-

TOP CHORD 2x8 DF SS
BOT CHORD 2x6 DF SS "Except"
B1: 2x6 DF SS G, B2: 2x8 DF SS
WEBS 2x4 DF Stud/Std G
WEDGE
Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-

TOP CHORD
BOT CHORD
WEBS

Structural wood sheathing directly applied or 5-7-12 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.
1 Row at midpt C-I

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

REACTIONS.

(lb/size) B=1135/0-5-8, F=1134/0-5-8
Max Horz B=226(LC 11)
Max Uplift B=258(LC 12), F=259(LC 12)
Max Grav B=1266(LC 2), F=1265(LC 2)

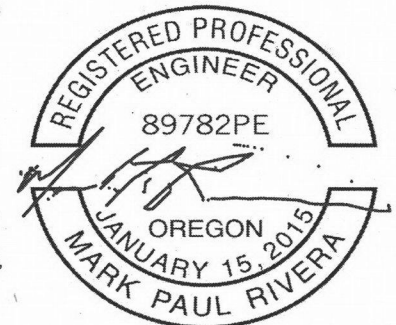
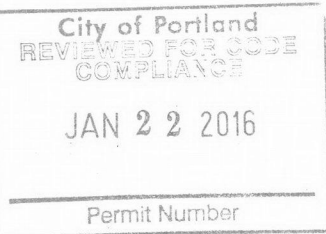
FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1608/392, C-D=-2254/344, D-E=-2147/369, E-F=-2681/528
BOT CHORD B-N=-184/1226, M-N=0/258, C-M=-634/259, J-M=-399/2334, I-J=-392/2382,
H-I=-280/2257, F-H=-271/2221
WEBS C-I=-640/425, D-I=-88/1632, E-I=-486/297

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=140mph (3-second gust) V(IRC2012)=111mph; TCCL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=27ft; eave=4ft; Cat. II; Exp B; enclosed; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCCL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.1
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.8 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- A plate rating reduction of 20% has been applied for the green lumber members.
- Bearing at joint(s) F considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=258, F=259.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard



EXPIRES: 12/31/2016
December 11,2015

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

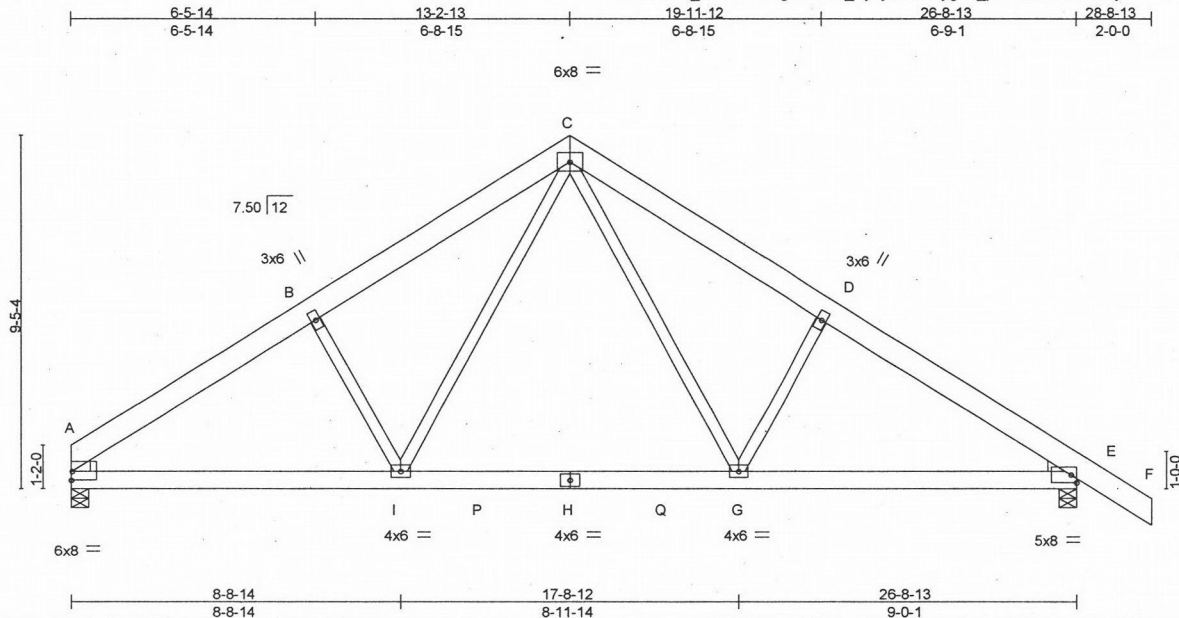
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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, D58-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)	K1590826
150457	A04	COMMON	4	1		

Trus-Way, Inc., Vancouver, WA 98668

7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Dec 10 17:30:00 2015 Page 1
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Scale = 1:59.1

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

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 25.0	Plate Grip DOL	1.15	TC 0.11	Vert(LL)	-0.08	G-I	>999	MT20	220/195
Snow (Pf/Pg) 20.8/30.0	Lumber DOL	1.15	BC 0.21	Vert(TL)	-0.16	G-I	>999		
TCDL 7.0	Rep Stress Incr	YES	WB 0.26	Horz(TL)	0.03	E	n/a		
BCLL 0.0 *	Code IRC2012/TPI2007		(Matrix-M)	Wind(LL)	0.02	G-I	>999		
BCDL 10.0								Weight: 195 lb	FT = 20%

LUMBER-

TOP CHORD 2x8 DF SS
BOT CHORD 2x6 DF SS G
WEBS 2x4 DF Stud/Std G
WEDGE
Left: 2x4 DF Stud/Std -G, Right: 2x4 SP No.3

BRACING-

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) A=1006/0-5-8, E=1126/0-5-8

Max Horz A=-216(LC 10)
Max Uplift A=-171(LC 12), E=-262(LC 12)
Max Grav A=1118(LC 2), E=1256(LC 2)

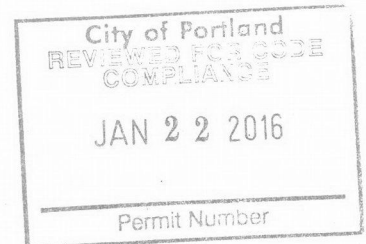
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD A-B=-1547/438, B-C=-1371/489, C-D=-1390/483, D-E=-1580/432
BOT CHORD A-I=-183/1305, I-P=0/901, H-P=0/901, H-Q=0/901, G-Q=0/901, E-G=-177/1233
WEBS C-G=-147/614, D-G=-356/276, C-I=-158/582, B-I=-336/280

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=140mph (3-second gust) V(IRC2012)=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=27ft; eave=4ft; Cat. II; Exp B; enclosed; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.1
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.8 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- A plate rating reduction of 20% has been applied for the green lumber members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=171, E=262.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard



EXPIRES: 12/31/2016
December 11,2015

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.

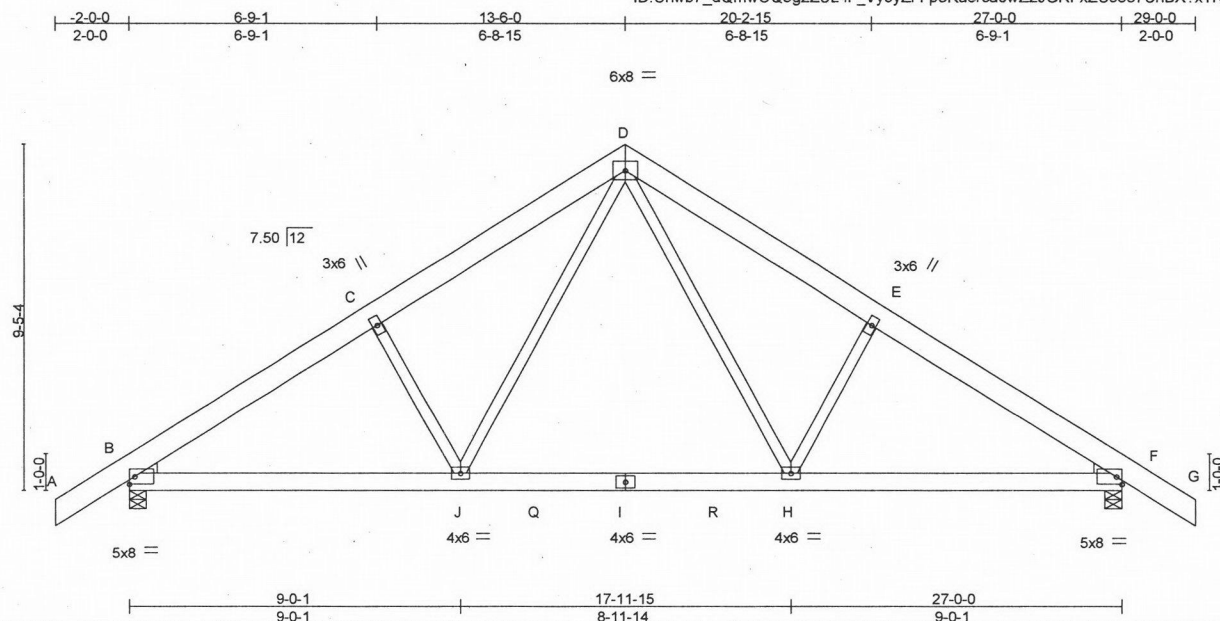


250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	K1590827
150457	A05	Common	1	1	

Truss-Way, Inc., Vancouver, WA 98668

7.640 s Sep 29 2015 MITek Industries, Inc. Thu Dec 10 17:30:01 2015 Page 1
ID: Unwb7_dQmwOQ5g2ZUL4F_VyoyZI-Fp3Ku6rca0wZ2JGRFxZUs567CnBX?xTRpQCLpOyAHdq



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof) 25.0	2'-0"	TC 0.11	Vert(LL)	-0.08	H-J	>999	MT20	220/195
Snow (Pf/Pg) 20.8/30.0	Plate Grip DOL 1.15	BC 0.21	Vert(TL)	-0.16	H-J	>999		
TCDL 7.0	Lumber DOL 1.15	WB 0.25	Horz(TL)	0.03	F	n/a		
BCLL 0.0	Rep Stress Incr YES	(Matrix-M)	Wind(LL)	0.03	H-J	>999		
BCDL 10.0	Code IRC2012/TPI2007						Weight: 204 lb	FT = 20%

LUMBER-

TOP CHORD 2x8 DF SS
BOT CHORD 2x6 DF SS G
WEBS 2x4 DF Stud/Std G
WEDGE
Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 6'-0" oc purlins.
Rigid ceiling directly applied or 10'-0" oc bracing.

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

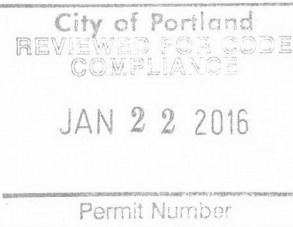
REACTIONS. (lb/size) B=1131/0-5-8, F=1131/0-5-8
Max Horz B=-226(LC 10)
Max Uplift B=-260(LC 12), F=-260(LC 12)
Max Grav B=1262(LC 2), F=1262(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1591/429, C-D=-1400/480, D-E=-1400/480, E-F=-1591/429
BOT CHORD B-J=-174/1339, J-Q=0/910, I-Q=0/910, I-R=0/910, H-R=0/910, F-H=-174/1242
WEBS D-H=-148/612, E-H=-357/276, D-J=-148/611, C-J=-357/276

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=140mph (3-second gust) V(IRC2012)=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=27ft; eave=4ft; Cat. II; Exp B; enclosed; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.1
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.8 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 2'-0" wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- A plate rating reduction of 20% has been applied for the green lumber members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=260, F=260.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard



EXPIRES: 12/31/2016
December 11, 2015

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

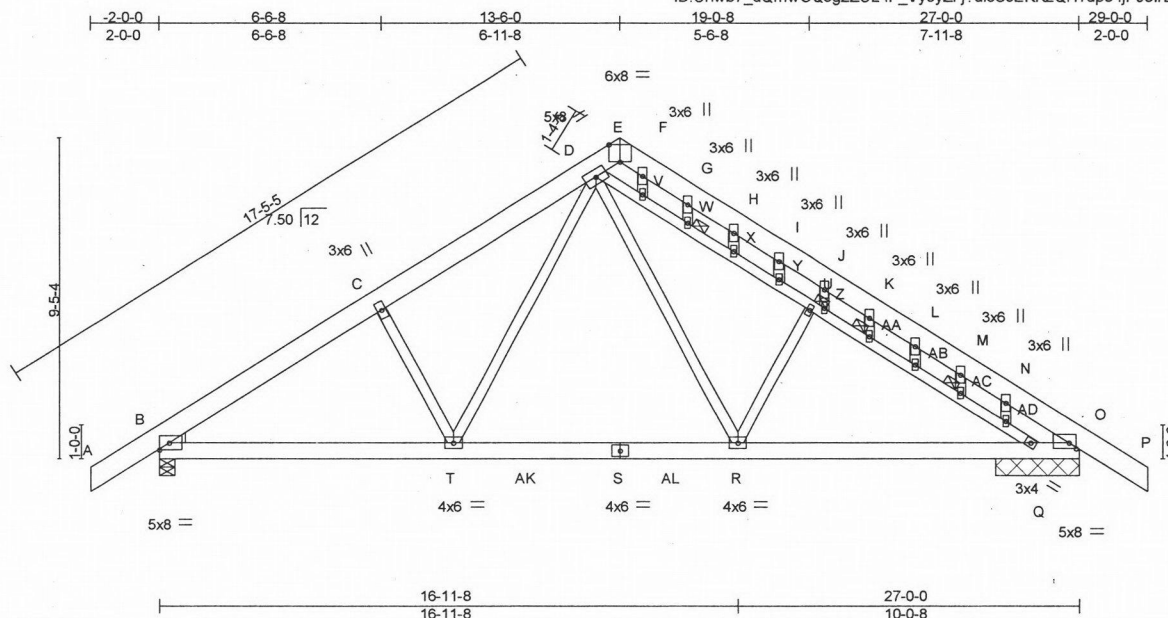
Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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	Job Reference (optional)
150457	A06	GABLE	1	1	

K1590828

Trus-Way, Inc., Vancouver, WA 98668

7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Dec 10 17:30:02 2015 Page 1
ID:Unwb7_dQmwOQ5g2ZUL4F_VyoyZl-j?di5SsEKK2QfTrdpe4jPJelrBxBkO5a14xuLryAHdp

Scale = 1:65.1

Plate Offsets (X,Y) - [E:0-4-0,Edge], [O:0-2-7,0-2-1]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 25.0	Plate Grip DOL 1.15	TC 0.12	Vert(LL) -0.06	R-T	>999	240		MT20	220/195
Snow (Pf/Pg) 20.8/30.0	Lumber DOL 1.15	BC 0.18	Vert(TL) -0.13	R-T	>999	180			
TCDL 7.0	Rep Stress Incr YES	WB 0.22	Horz(TL) 0.03	O	n/a	n/a			
BCLL 0.0 *	Code IRC2012/TPI2007	(Matrix-M)	Wind(LL) 0.02	R-T	>999	360			
BCDL 10.0								Weight: 231 lb	FT = 20%

LUMBER-

TOP CHORD 2x8 DF SS
 BOT CHORD 2x6 DF SS G
 WEBS 2x4 DF Stud/Std G *Except*
 W3: 2x4 DF No.1&Btr G
 OTHERS 2x4 DF Stud/Std G
 WEDGE

Left: 2x4 DF Stud/Std -G, Right: 2x4 DF Stud/Std -G

BRACING-

TOP CHORD
 BOT CHORD
 JOINTS

Structural wood sheathing directly applied or 6-0-0 oc purlins.
 Rigid ceiling directly applied or 10-0-0 oc bracing.
 1 Brace at Jt(s): U, W, AA, AC

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

REACTIONS. All bearings 2-5-8 except (jt=length) B=0-5-8.

(lb) - Max Horz B=-226(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) O except B=-251(LC 12), Q=-208(LC

12)

Max Grav All reactions 250 lb or less at joint(s) except B=1221(LC 2), Q=957(LC 2), O=346(LC 2), O=296(LC 1)

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

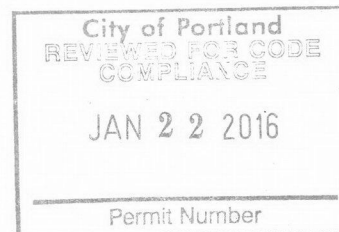
TOP CHORD B-C=-1510/404, C-D=-1348/455, D-E=-421/237, E-F=-508/244, F-G=-551/256,
 G-H=-574/238, H-I=-615/241, I-J=-607/186, J-K=-545/71, K-L=-595/74, L-M=-632/61,
 M-N=-682/58, N-O=-716/40

BOT CHORD B-T=-154/1287, T-AK=0/898, S-AK=0/898, S-AL=0/898, R-AL=0/898, Q-R=-137/1148,
 O-Q=0/501

WEBS D-V=-681/220, V-W=-664/205, W-X=-676/217, X-Y=-673/209, U-Y=-695/257, U-Z=-686/235,
 Z-AA=-778/345, AA-AB=-769/335, AB-AC=-776/342, AC-AD=-777/340, Q-AD=-790/352,
 C-T=-358/260, R-U=-281/240, D-T=-146/571, D-R=-119/523

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=140mph (3-second gust) V(IRC2012)=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=27ft; eave=4ft; Cat. II; Exp B; enclosed; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.1
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.8 psf on overhangs non-concurrent with other live loads.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable studs spaced at 1-4-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.



EXPIRES: 12/31/2016
 December 11, 2015

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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MiTek
 250 Klug Circle
 Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
150457	A06	GABLE	1	1	K1590828

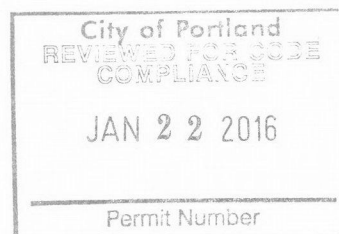
Trus-Way, Inc., Vancouver, WA 98668

7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Dec 10 17:30:02 2015 Page 2
ID:Unwb7_dQmwOQ5g2ZUL4F_VyoyZl-j?di5SsEKK2QfTrdpe4jPJelrBxBkO5a14xuLryAHdp

NOTES-

- 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) O, O except (jt=lb) B=251, Q=208.
- 12) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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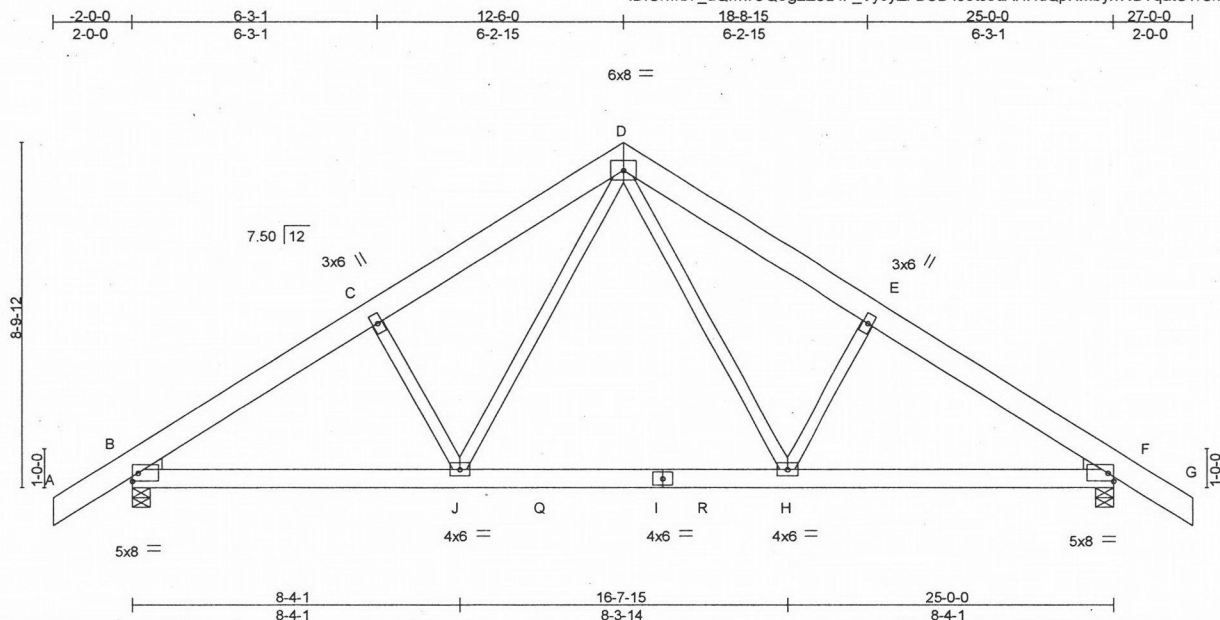


250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)	K1590829
150457	B01	Common	2	1		

Truss-Way, Inc., Vancouver, WA 98668

7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Dec 10 17:30:03 2015 Page 1
ID:Unwb7_dQmwOQ5g2ZUL4F_VyoyZI-BCB4Jots5dAHdQpNMbyxWBTqatSTrSkGkRuhYAhd0



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof) 25.0	2'-0-0	TC 0.10	Vert(LL)	-0.06	H-J	>999	MT20	220/195
Snow (Pf/Pg) 20.8/30.0	Plate Grip DOL 1.15	BC 0.18	Vert(TL)	-0.12	H-J	>999		
TCDL 7.0	Lumber DOL 1.15	WB 0.22	Horz(TL)	0.03	F	n/a		
BCLL 0.0 *	Rep Stress Incr YES	(Matrix-M)	Wind(LL)	0.02	H-J	>999		
BCDL 10.0	Code IRC2012/TPI2007						Weight: 190 lb	FT = 20%

LUMBER-

TOP CHORD 2x8 DF SS
BOT CHORD 2x6 DF SS G
WEBS 2x4 DF Stud/Std G
WEDGE
Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 6'-0-0 oc purlins.
Rigid ceiling directly applied or 10'-0-0 oc bracing.

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

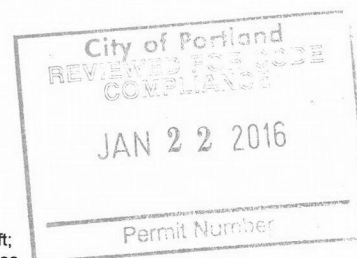
REACTIONS. (lb/size) B=1056/0-5-8, F=1056/0-5-8
Max Horz B=-210(LC 10)
Max Uplift B=-247(LC 12), F=-247(LC 12)
Max Grav B=1178(LC 2), F=1178(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1457/390, C-D=-1281/437, D-E=-1281/437, E-F=-1457/390
BOT CHORD B-J=-148/1216, J-Q=0/834, I-Q=0/834, I-R=0/834, H-R=0/834, F-H=-148/1133
WEBS D-H=-131/547, E-H=-324/250, D-J=-131/547, C-J=-324/250

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=140mph (3-second gust) V(IRC2012)=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=25ft; eave=4ft; Cat. II; Exp B; enclosed; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.1
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.8 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- A plate rating reduction of 20% has been applied for the green lumber members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=247, F=247.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard



EXPIRES: 12/31/2016
December 11,2015

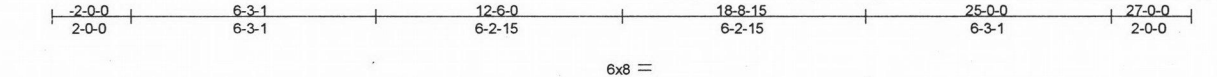
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
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MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
150457	B02	Common	1	1	

K1590830

Trus-Way, Inc., Vancouver, WA 98668

7,640 s Sep 29 2015 MiTek Industries, Inc. Thu Dec 10 17:30:04 2015 Page 1
ID:Unwb7_dQmwOQ5g2ZUL4F_VyoyZi-FOISW8uVsx17vn??x36BUkkeK_D5CD0tVOQ?QiyAHdn

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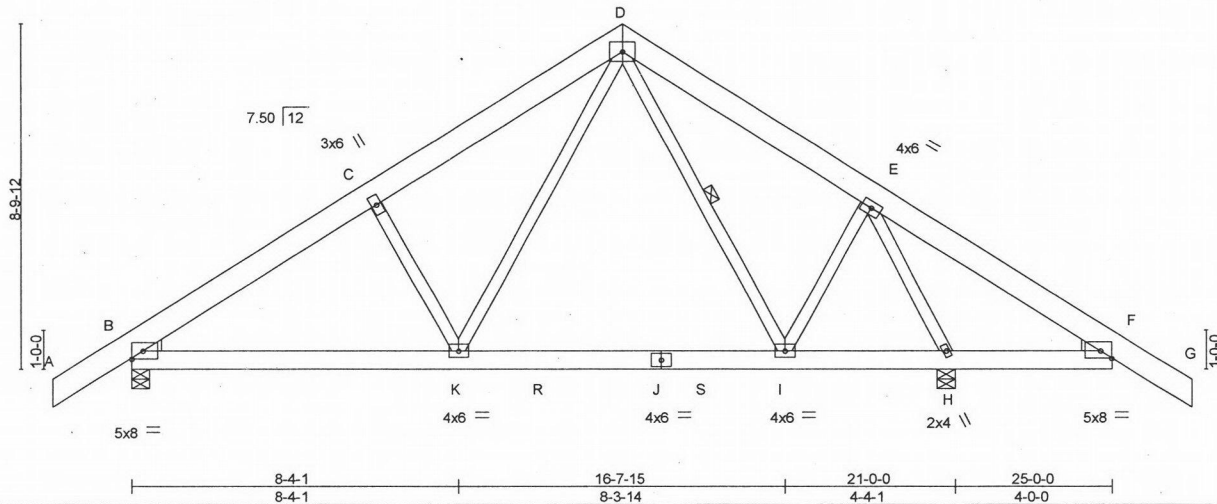


Plate Offsets (X,Y) - [F:0-3-5,0-2-5]

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.12	Vert(LL)	-0.04	I-K	>999	240	MT20	220/195
Snow (Pf/Pg) 20.8/30.0	Plate Grip DOL 1.15	BC 0.16	Vert(TL)	-0.10	I-K	>999	180		
TCDL 7.0	Lumber DOL 1.15	WB 0.52	Horz(TL)	0.01	H	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	(Matrix-M)	Wind(LL)	0.01	I-K	>999	360		
BCDL 10.0	Code IRC2012/TPI2007							Weight: 195 lb	FT = 20%

LUMBER-

TOP CHORD 2x8 DF SS
 BOT CHORD 2x6 DF SS G
 WEBS 2x4 DF Stud/Std G
 WEDGE
 Left: 2x4 DF Stud/Std -G, Right: 2x4 DF Stud/Std -G

BRACING-

TOP CHORD
 BOT CHORD
 WEBS

Structural wood sheathing directly applied or 6-0-0 oc purlins.
 Rigid ceiling directly applied or 6-0-0 oc bracing.
 1 Row at midpt D-I

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

REACTIONS. (lb/size) B=848/0-5-8, H=1263/0-5-8
 Max Horz B=-210(LC 10)
 Max Uplift B=-199(LC 12), H=-296(LC 12)
 Max Grav B=946(LC 2), H=1410(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-1048/227, C-D=-906/275, D-E=-623/130, E-F=-429/620
 BOT CHORD B-K=-13/941, K-R=0/530, J-R=0/530, J-S=0/530, I-S=0/530, H-I=-103/276,
 F-H=-427/506
 WEBS E-I=-16/421, D-K=-147/581, C-K=-346/262, E-H=-1363/601

NOTES-

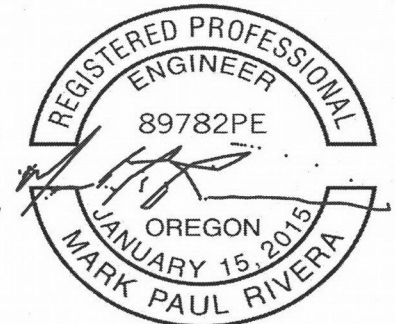
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=140mph (3-second gust) V(IRC2012)=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=25ft; eave=4ft; Cat. II; Exp B; enclosed; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) TCLL: ASCE 7-10; Pr=25.0 psf (roof live load); Lumber DOL=1.15 Plate DOL=1.15; Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow); Lumber DOL=1.15 Plate DOL=1.15; 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 20.8 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, with BCDL = 10.0psf.
- 7) A plate rating reduction of 20% has been applied for the green lumber members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=199, H=296.
- 9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

City of Portland
 REVIEWED FOR CODE
 COMPLIANCE

JAN 22 2016

Permit Number



EXPIRES: 12/31/2016
 December 11, 2015

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK 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, D58-89 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

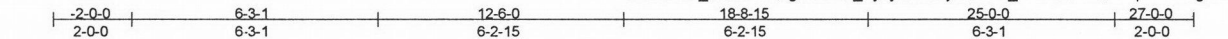
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
150457	B03	Common	4	1	

K1590831

Trus-Way, Inc., Vancouver, WA 98668

7:40 s Sep 29 2015 MiTek Industries, Inc. Thu Dec 10 17:30:05 2015 Page 1

ID:Unwb7_dQmwOQ5g2ZUL4F_VyoyZl-7aJrTv7dFQ_WwaCUneQ1xGp3OZKxgG0k1AYyAyAHdm



6x8 =

Scale = 1:56.5

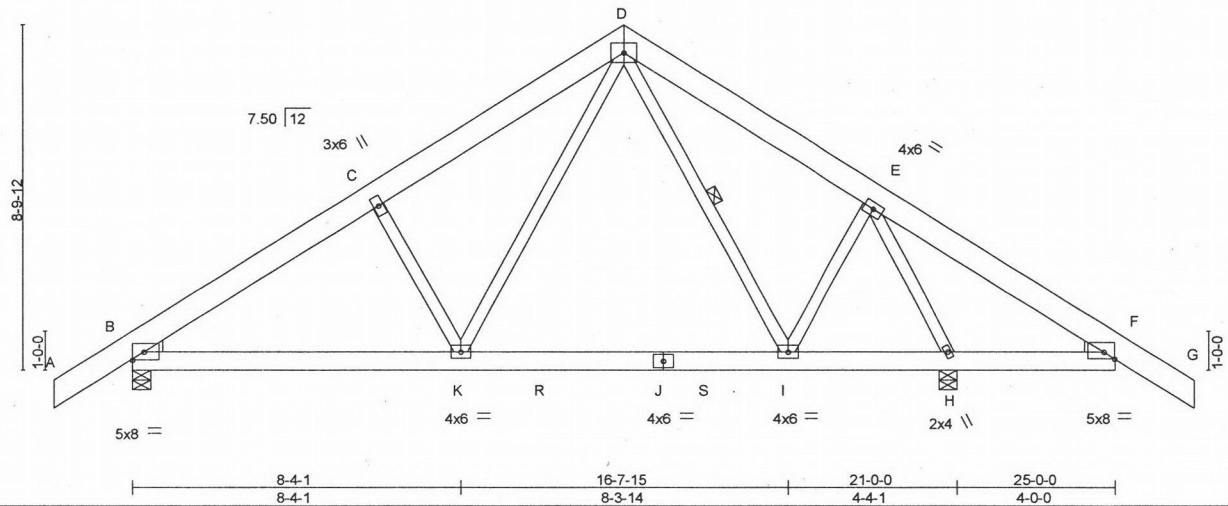


Plate Offsets (X,Y) - [F:0-3-5,0-2-2]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.12	in (loc) l/defl L/d	MT20	220/195
Snow (Pf/Pg) 20.8/30.0	Plate Grip DOL 1.15	BC 0.16	Vert(LL) -0.04 I-K >999 240		
TCDL 7.0	Lumber DOL 1.15	WB 0.52	Vert(TL) -0.10 I-K >999 180		
BCLL 0.0 *	Rep Stress Incr YES	(Matrix-M)	Horz(TL) 0.01 H n/a n/a		
BCDL 10.0	Code IRC2012/TP12007		Wind(LL) 0.01 I-K >999 360		
				Weight: 195 lb	FT = 20%

LUMBER-

TOP CHORD 2x8 DF SS
 BOT CHORD 2x6 DF SS G
 WEBS 2x4 DF Stud/Std G
 WEDGE

Left: 2x4 DF Stud/Std -G, Right: 2x4 DF Stud/Std -G

BRACING-

TOP CHORD
 BOT CHORD
 WEBS

Structural wood sheathing directly applied or 6-0-0 oc purlins.
 Rigid ceiling directly applied or 6-0-0 oc bracing.
 1 Row at midpt D-I

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

REACTIONS. (lb/size) B=848/0-5-8, H=1263/0-5-8
 Max Horz B=-210(LC 10)
 Max Uplift B=-199(LC 12), H=-296(LC 12)
 Max Grav B=946(LC 2), H=1410(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-1048/227, C-D=-906/275, D-E=-623/130, E-F=-429/620
 BOT CHORD B-K=-13/941, K-R=0/530, J-R=0/530, J-S=0/530, I-S=0/530, H-I=-103/276,
 F-H=-427/506
 WEBS E-I=-16/421, D-K=-147/581, C-K=-346/262, E-H=-1363/601

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=140mph (3-second gust) V(IRC2012)=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=25ft; eave=4ft; Cat. II; Exp B; enclosed; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load); Lumber DOL=1.15 Plate DOL=1.15; Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow); Lumber DOL=1.15 Plate DOL=1.15; Category II; Exp B; Fully Exp.; Ct=1.1
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.8 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- A plate rating reduction of 20% has been applied for the green lumber members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=199, H=296.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

City of Portland
 REVIEWED FOR CODE
 COMPLIANCE

JAN 22 2016

Permit Number



EXPIRES: 12/31/2016
 December 11, 2015

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, D58-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

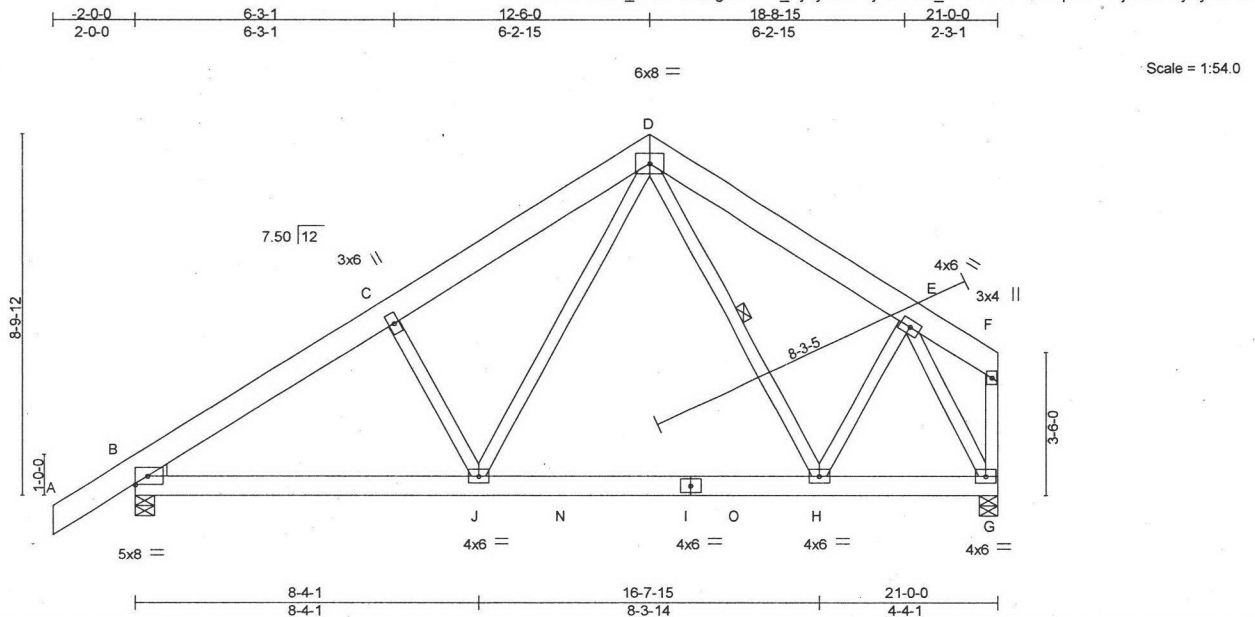
MiTek®
 250 Klug Circle
 Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	K1590832
150457	B04	Common	1	1	

Truss-Way, Inc., Vancouver, WA 98668

7,640 s Sep 29 2015 Mitek Industries, Inc. Thu Dec 10 17:30:05 2015 Page 1

ID:Unwb7_dQmwOQ5gZZUL4F_VyoyZl-7aJrTv7dFQ_VWwACUeQ1xGphOZHx0k1AYyAyAHdm



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.08	Vert(LL) -0.04	H-J	>999	240	MT20	220/195
Snow (Pf/Pg) 20.8/30.0	Plate Grip DOL 1.15	BC 0.16	Vert(TL) -0.09	H-J	>999	180		
TCDL 7.0	Lumber DOL 1.15	WB 0.35	Horz(TL) 0.01	G	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	(Matrix-M)	Wind(LL) 0.01	J	>999	360		
BCDL 10.0	Code IRC2012/TPI2007						Weight: 169 lb	FT = 20%

LUMBER-

TOP CHORD 2x8 DF SS
BOT CHORD 2x6 DF SS G
WEBS 2x4 DF Stud/Std G
WEDGE
Left: 2x4 DF Stud/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 10-0-0 oc bracing.
WEBS 1 Row at midpt D-H

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

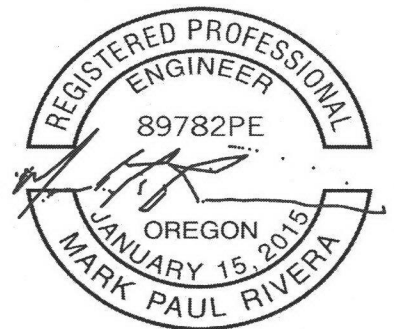
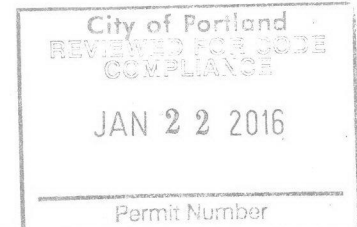
REACTIONS. (lb/size) B=904/0-5-8, G=783/0-5-8
Max Horz B=172(LC 11)
Max Uplift B=218(LC 12), G=138(LC 12)
Max Grav B=1010(LC 2), G=870(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1155/306, C-D=-996/354, D-E=-702/275
BOT CHORD B-J=-268/964, J-N=-90/562, I-N=-90/562, I-O=-90/562, H-O=-90/562, G-H=-122/397
WEBS E-H=0/333, D-J=-133/569, C-J=-342/254, E-G=-924/284

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=140mph (3-second gust) V(IRC2012)=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; enclosed; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.1
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.8 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- A plate rating reduction of 20% has been applied for the green lumber members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=218, G=138.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard



EXPIRES: 12/31/2016
December 11,2015

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 150457	Truss B05	Truss Type GABLE	Qty 1	Ply 1	Job Reference (optional)	K1590833
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Trus-Way, Inc., Vancouver, WA 98668

7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Dec 10 17:30:07 2015 Page 1
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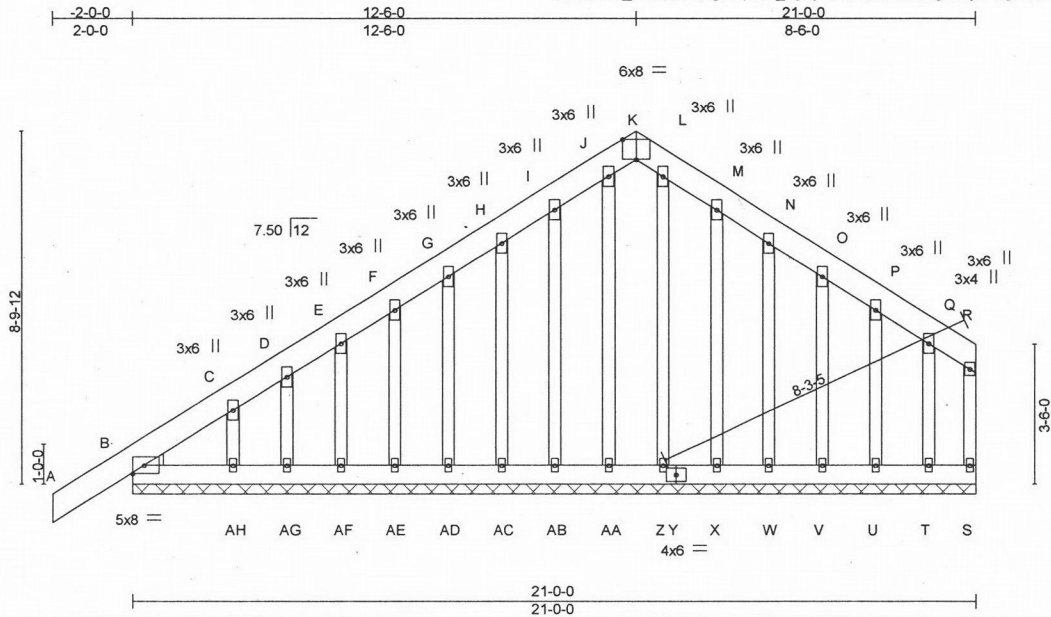


Plate Offsets (X,Y)-- [K:0-4-0,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.06	in (loc) l/defl L/d	MT20	220/195
Snow (Pf/Pg) 20.8/30.0	Plate Grip DOL 1.15	BC 0.02	Vert(LL) 0.00 A n/r 120		
TCDL 7.0	Lumber DOL 1.15	WB 0.10	Vert(TL) -0.00 A n/r 90		
BCLL 0.0 *	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.00 S n/a n/a		
BCDL 10.0	Code IRC2012/TPI2007			Weight: 220 lb	FT = 20%

LUMBER-

TOP CHORD 2x8 DF SS
BOT CHORD 2x6 DF SS G
WEBS 2x4 DF Stud/Std G
OTHERS 2x4 DF Stud/Std G
WEDGE
Left: 2x4 DF Stud/Std -G

BRACING-

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS.

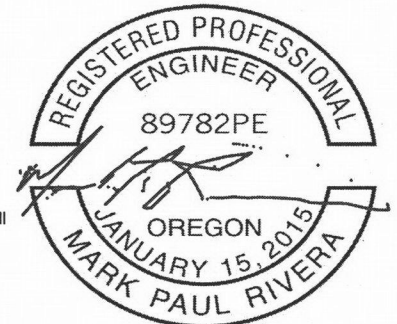
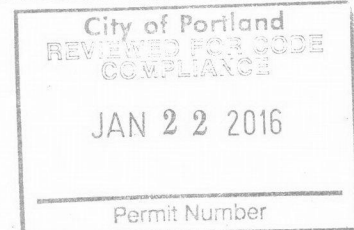
- All bearings 21-0-0.
(lb) - Max Horz B=169(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) B, S, AB, AC, AD, AE, AF, AG, AH, X, W, V, U, T
Max Grav All reactions 250 lb or less at joint(s) S, AA, AB, AC, AD, AE, AF, AG, AH, Z, X, W, V, U, T except B=328(LC 16)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=140mph (3-second gust) V(IRC2012)=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; enclosed; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.1
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.8 psf on overhangs non-concurrent with other live loads.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 1-4-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- A plate rating reduction of 20% has been applied for the green lumber members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B, S, AB, AC, AD, AE, AF, AG, AH, X, W, V, U, T.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard



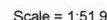
EXPIRES: 12/31/2016
December 11,2015

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

7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Dec 10 17:30:08 2015 Page 1
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MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

Stabilizers and required cross bracing
rection, in accordance with Stabilizer

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JAN 22 2016

Permit Number



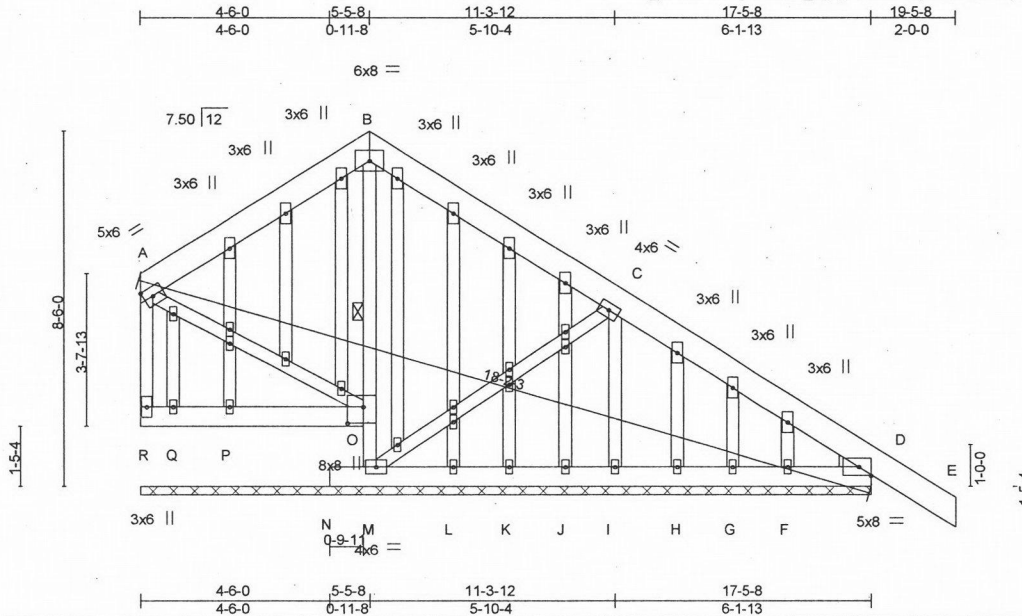
Design valid for use only with Mitek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job 150457	Truss C01A	Truss Type GABLE	Qty 1	Ply 1	K1590835
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Truss-Way, Inc., Vancouver, WA 98668

Job Reference (optional)
7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Dec 10 17:30:09 2015 Page 1
ID: Unwb7_dQmwOQ5g2ZUL4F_VyoyZI-OLYLZrydhTwQ?YtzjciNbnRU6?yytakcef8m5xyAHdi



Scale = 1:52.9

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

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.18	in (loc) l/defl L/d	MT20	220/195
Snow (Pf/Pg) 20.8/30.0	Plate Grip DOL 1.15	BC 0.05	Vert(LL) 0.00 D n/r 120		
TCDL 7.0	Lumber DOL 1.15	WB 0.17	Vert(TL) 0.00 D n/r 90		
BCLL 0.0 *	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.01 N n/a n/a		
BCDL 10.0	Code IRC2012/TPI2007			Weight: 202 lb	FT = 20%

LUMBER-

TOP CHORD 2x8 DF SS
BOT CHORD 2x6 DF SS G
WEBS 2x4 DF Stud/Std G
OTHERS 2x4 DF Stud/Std G
WEDGE
Right: 2x4 DF Stud/Std -G

BRACING-

TOP CHORD
BOT CHORD
WEBS

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
Rigid ceiling directly applied or 10-0-0 oc bracing.
1 Row at midpt B-M

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

REACTIONS.

- All bearings 17-5-8.
(lb) - Max Horz R=-196(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) Q, F, M except R=-312(LC 12), D=-236(LC 12), I=-166(LC 12)
Max Grav All reactions 250 lb or less at joint(s) R, N, P, Q, L, K, J, H, G, F except D=371(LC 27), I=326(LC 27), M=537(LC 22)

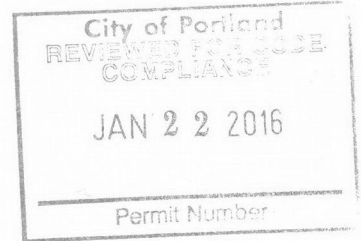
FORCES.

(lb) - Max. Comp/Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-229/360, B-C=-250/371, A-R=-304/398
WEBS C-I=-306/240, M-O=-461/92, B-O=-375/42, A-O=-264/151

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=140mph (3-second gust) V(IRC2012)=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; enclosed; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load); Lumber DOL=1.15 Plate DOL=1.15; Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow); Lumber DOL=1.15 Plate DOL=1.15; Category II; Exp B; Fully Exp.; Ct=1.1
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.8 psf on overhangs non-concurrent with other live loads.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 1-4-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- A plate rating reduction of 20% has been applied for the green lumber members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) Q, F, M except (jt=lb) R=312, D=236, I=166.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) R, P, Q.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

Continued on page 2



EXPIRES: 12/31/2016
December 11, 2015

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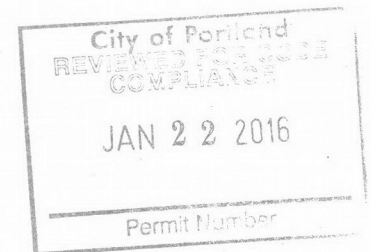
MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
150457	C01A	GABLE	1	1	K1590835

Trus-Way, Inc., Vancouver, WA 98668

7,640 s Sep 29 2015 MiTek Industries, Inc. Thu Dec 10 17:30:10 2015 Page 2
ID:Unwb7_dQmwOQ5g2ZUL4F_VyoyZI-UY6knByGSn2HdiS9HKDck?_fsPIBc1_tJtJeNyAHdh

LOAD CASE(S) Standard



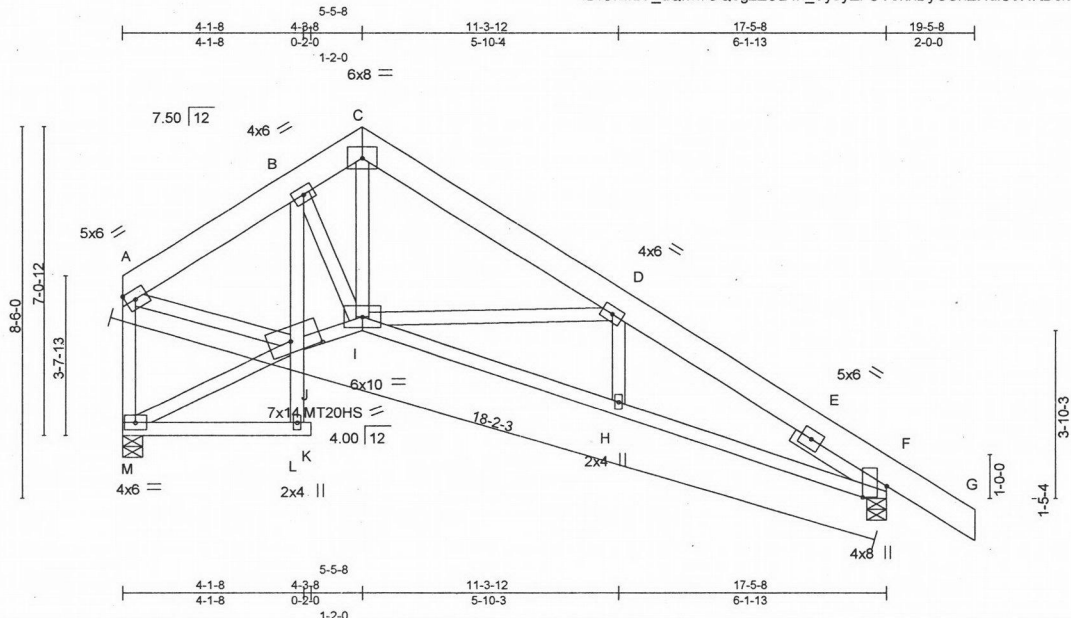
⚠ WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before 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.

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Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	K1590836
150457	C02	Roof Special	1	1	

Trus-Way, Inc., Vancouver, WA 98668

Job Reference (optional)
7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Dec 10 17:30:10 2015 Page 1
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Scale = 1:50.7

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.12	Vert(LL)	-0.04	H-I	>999	MT20	220/195
Snow (Pf/Pg) 20.8/30.0	Plate Grip DOL 1.15	BC 0.26	Vert(TL)	-0.14	H-I	>999	MT20HS	165/146
TCDL 7.0	Lumber DOL 1.15	WB 0.34	Horz(TL)	0.07	F	n/a		
BCLL 0.0 *	Rep Stress Incr YES	(Matrix-M)	Wind(LL)	0.02	H	>999		
BCDL 10.0	Code IRC2012/TPI2007						Weight: 137 lb	FT = 20%

LUMBER-

TOP CHORD 2x8 DF SS
BOT CHORD 2x4 DF No.1&Btr G
WEBS 2x4 DF Stud/Std G
SLIDER Right 2x4 DF Stud/Std -G 2-6-0

BRACING-

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
Rigid ceiling directly applied or 10-0-0 oc bracing.

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

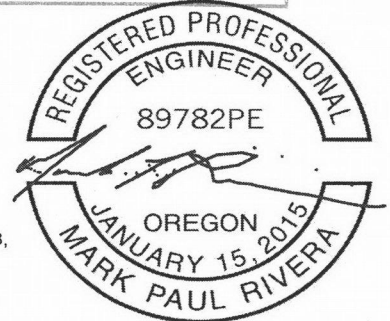
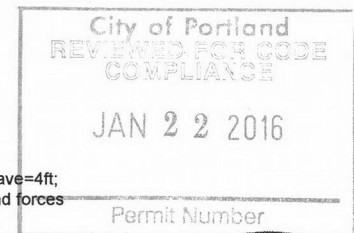
REACTIONS. (lb/size) F=773/0-5-8, M=653/0-5-8
Max Horz M=-203(LC 12)
Max Uplift F=-198(LC 12), M=-109(LC 12)
Max Grav F=864(LC 2), M=724(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=733/58, B-C=768/107, C-D=867/59, D-E=-1452/245, E-F=-643/65, A-M=-686/80
BOT CHORD I-J=0/664, H-I=-41/1211, F-H=-38/1207
WEBS B-I=0/319, C-I=0/472, D-I=-564/315, J-M=-144/287, A-J=0/597, B-J=-347/66

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=140mph (3-second gust) V(IRC2012)=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; enclosed; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.1
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.8 psf on overhangs non-concurrent with other live loads.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- A plate rating reduction of 20% has been applied for the green lumber members.
- Bearing at joint(s) F considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) F=198, M=109.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

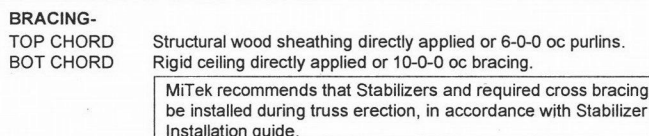


EXPIRES: 12/31/2016
December 11,2015

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.

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7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Dec 10 17:30:11 2015 Page 1
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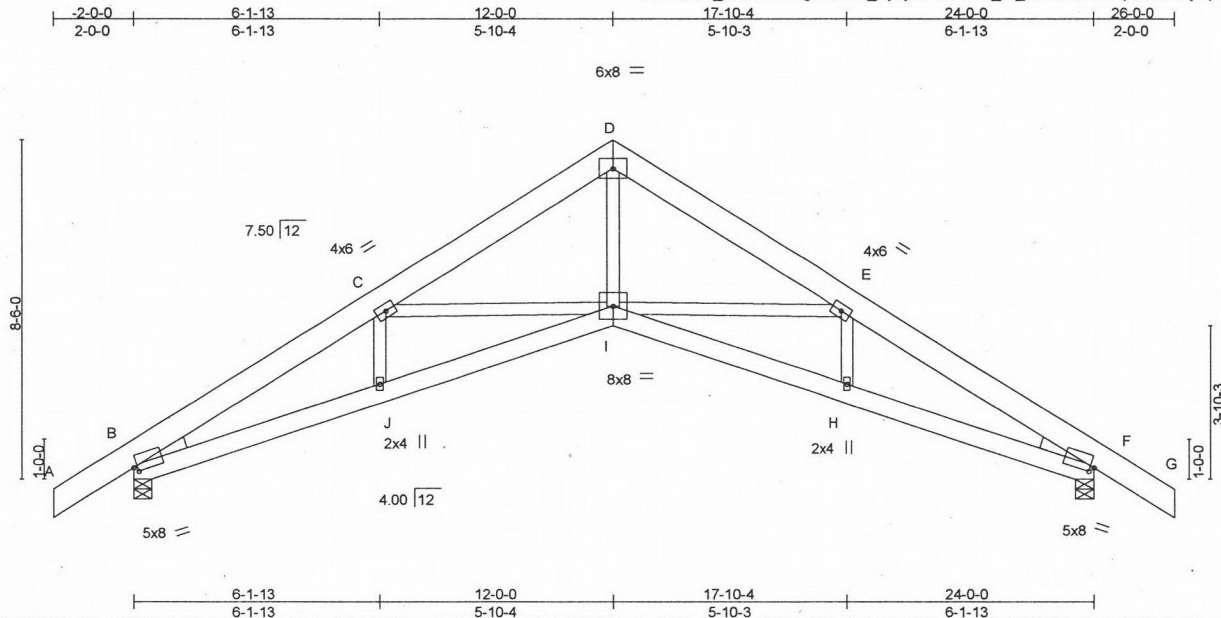
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIT-7473 rev. 10/03/2015 BEFORE USE.
Design valid for use only with MITEK® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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. A 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.



Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)	K1590838
150457	C03A	SCISSORS	1	1		

Trus-Way, Inc., Vancouver, WA 98668

7,640 s Sep 29 2015 MiTek Industries, Inc. Thu Dec 10 17:30:12 2015 Page 1
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Scale = 1:55.5

Plate Offsets (X,Y)-- [B:0-1-3,0-1-8], [F:0-1-3,0-1-8]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL (roof)	25.0	2-0-0		TC	0.25	in (loc)	I/defl	L/d	GRIP
Snow (Pf/Pg)	20.8/30.0	Plate Grip DOL	1.15	BC	0.36	Vert(LL)	-0.09 I-J	>999	240
TCDL	7.0	Lumber DOL	1.15	WB	0.62	Vert(TL)	-0.23 I-J	>999	180
BCLL	0.0 *	Rep Stress Incr	YES	(Matrix-M)		Horz(TL)	0.19 F	n/a	n/a
BCDL	10.0	Code IRC2012/TPI2007				Wind(LL)	0.07 I-J	>999	360
								Weight: 179 lb	FT = 20%

LUMBER-

TOP CHORD 2x8 DF SS
BOT CHORD 2x6 DF SS G
WEBS 2x4 DF Stud/Std G
WEDGE
Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 5-6-3 oc purlins.
Rigid ceiling directly applied or 6-0-0 oc bracing.

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

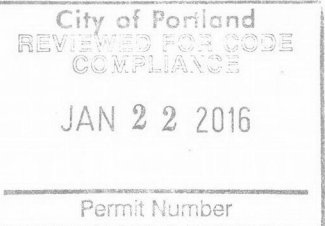
REACTIONS. (lb/size) B=1018/0-5-8, F=1018/0-5-8
Max Horz B=-203(LC 33)
Max Uplift B=-629(LC 36), F=-629(LC 37)
Max Grav B=1206(LC 49), F=1206(LC 50)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2764/1324, C-D=-1951/715, D-E=-1982/715, E-F=-2635/1324
BOT CHORD B-J=-1014/2412, I-J=-433/1960, H-I=-433/1915, F-H=-1014/2186
WEBS D-I=-112/1406, E-I=-512/416, C-I=-468/416

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=140mph (3-second gust) V(IRC2012)=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; enclosed; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.1
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.0 times flat roof load of 20.8 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- A plate rating reduction of 20% has been applied for the green lumber members.
- Bearing at joint(s) B, F considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=629, F=629.
- This truss has been designed for a total drag load of 2300 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 24-0-0 for 95.8 plf.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard



EXPIRES: 12/31/2016
December 11, 2015

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250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)	K1590839
150457	C04	Common Supported Gable	1	1		

Trus-Way, Inc., Vancouver, WA 98668

7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Dec 10 17:30:14 2015 Page 1
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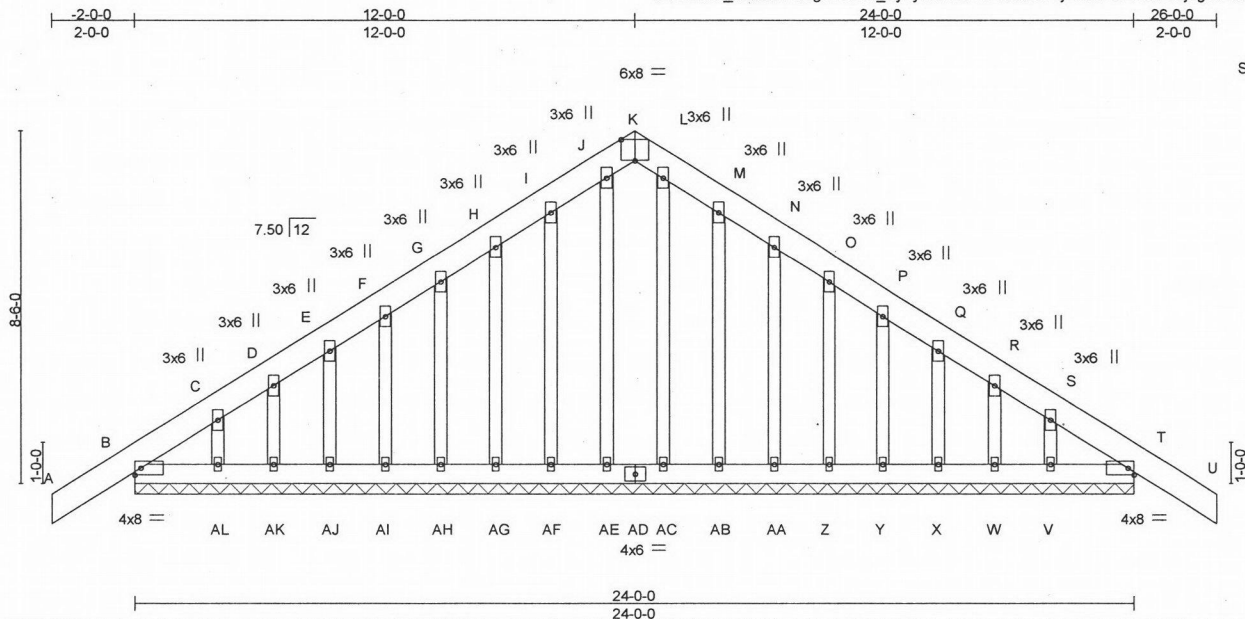


Plate Offsets (X,Y)-- [K:0-4-0,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.06	in (loc) U n/r 120	MT20	220/195
Snow (Pf/Pg) 20.8/30.0	Plate Grip DOL 1.15	BC 0.03	Vert(LL) -0.00 U n/r 90		
TCDL 7.0	Lumber DOL 1.15	WB 0.06	Vert(TL) -0.00 U n/a n/a		
BCLL 0.0 *	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.00 T n/a n/a		
BCDL 10.0	Code IRC2012/TPI2007			Weight: 237 lb	FT = 20%

LUMBER-

TOP CHORD 2x8 DF SS
BOT CHORD 2x6 DF SS G
OTHERS 2x4 DF Stud/Std G

BRACING-

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins.
Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS.

- All bearings 24-0-0.
(lb) - Max Horz B=-203(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) K, AF, AG, AH, AI, AJ, AK, AL, AB, AA, Z, Y, X, W, V except B=-131(LC 12), T=-131(LC 12)
Max Grav All reactions 250 lb or less at joint(s) K, AE, AF, AG, AH, AI, AJ, AK, AL, AC, AB, AA, Z, Y, X, W, V except B=337(LC 16), T=337(LC 16)

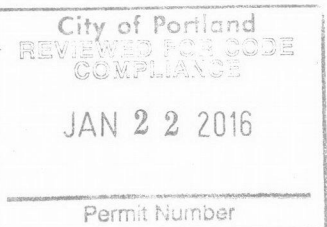
FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD I-J=-192/264, J-K=-192/274, K-L=-192/274, L-M=-192/264

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=140mph (3-second gust) V(IRC2012)=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; enclosed; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.1
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.8 psf on overhangs non-concurrent with other live loads.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 1-4-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- A plate rating reduction of 20% has been applied for the green lumber members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) K, AF, AG, AH, AI, AJ, AK, AL, AB, AA, Z, Y, X, W, V except (jt=lb) B=131, T=131.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard



EXPIRES: 12/31/2016
December 11,2015

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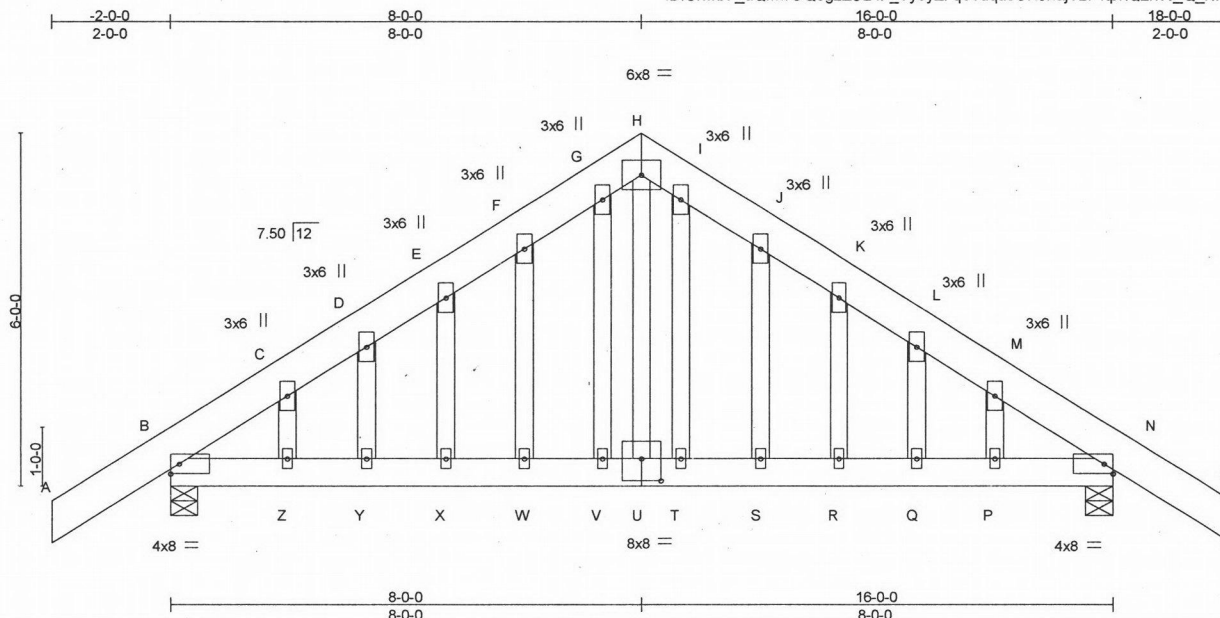


250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
150457	D01	GABLE	1	1	

K1590840

Trus-Way, Inc., Vancouver, WA 98668

7,640 s Sep 29 2015 MiTek Industries, Inc. Thu Dec 10 17:30:15 2015 Page 1
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Scale = 1:37.6

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

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof) 25.0	Plate Grip DOL	1.15	TC 0.09	Vert(LL)	-0.02	R	>999	240	MT20
Snow (Pf/Pg) 20.8/30.0	Lumber DOL	1.15	BC 0.11	Vert(TL)	-0.04	Q-R	>999	180	220/195
TCDL 7.0	Rep Stress Incr	YES	WB 0.06	Horz(TL)	0.01	N	n/a	n/a	
BCLL 0.0 *	Code IRC2012/TPI2007		(Matrix-M)	Wind(LL)	0.01	Y	>999	360	
BCDL 10.0									Weight: 149 lb FT = 20%

LUMBER-

TOP CHORD 2x8 DF SS
 BOT CHORD 2x6 DF SS G
 WEBS 2x4 DF Stud/Std G
 OTHERS 2x4 DF Stud/Std G

BRACING-

TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 6'-0" oc purlins.
 Rigid ceiling directly applied or 10'-0" oc bracing.

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

REACTIONS. (lb/size) B=716/0-5-8, N=716/0-5-8
 Max Horz B=-145(LC 10)
 Max Uplift B=-189(LC 12), N=-189(LC 12)
 Max Grav B=800(LC 2), N=800(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-768/142, C-D=-709/161, D-E=-670/186, E-F=-637/211, F-G=-608/237, G-H=-569/238,
 H-I=-569/238, I-J=-608/237, J-K=-637/211, K-L=-670/186, L-M=-709/161,
 M-N=-768/142
BOT CHORD B-Z=0/556, Y-Z=0/556, X-Y=0/556, W-X=0/556, V-W=0/556, U-V=0/556, T-U=0/556,
 S-T=0/556, R-S=0/556, Q-R=0/556, P-Q=0/556, N-P=0/556

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=140mph (3-second gust) V(IRC2012)=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; enclosed; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load); Lumber DOL=1.15 Plate DOL=1.15; Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow); Lumber DOL=1.15 Plate DOL=1.15; Category II; Exp B; Fully Exp.; Ct=1.1
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.8 psf on overhangs non-concurrent with other live loads.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable studs spaced at 1'-4" oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 2'-0" wide will fit between the bottom chord and any other members.
- A plate rating reduction of 20% has been applied for the green lumber members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=189, N=189.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

City of Portland
 REVIEWED FOR CODE
 COMPLIANCE

JAN 22 2016

Permit Number



EXPIRES: 12/31/2016
 December 11, 2015

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

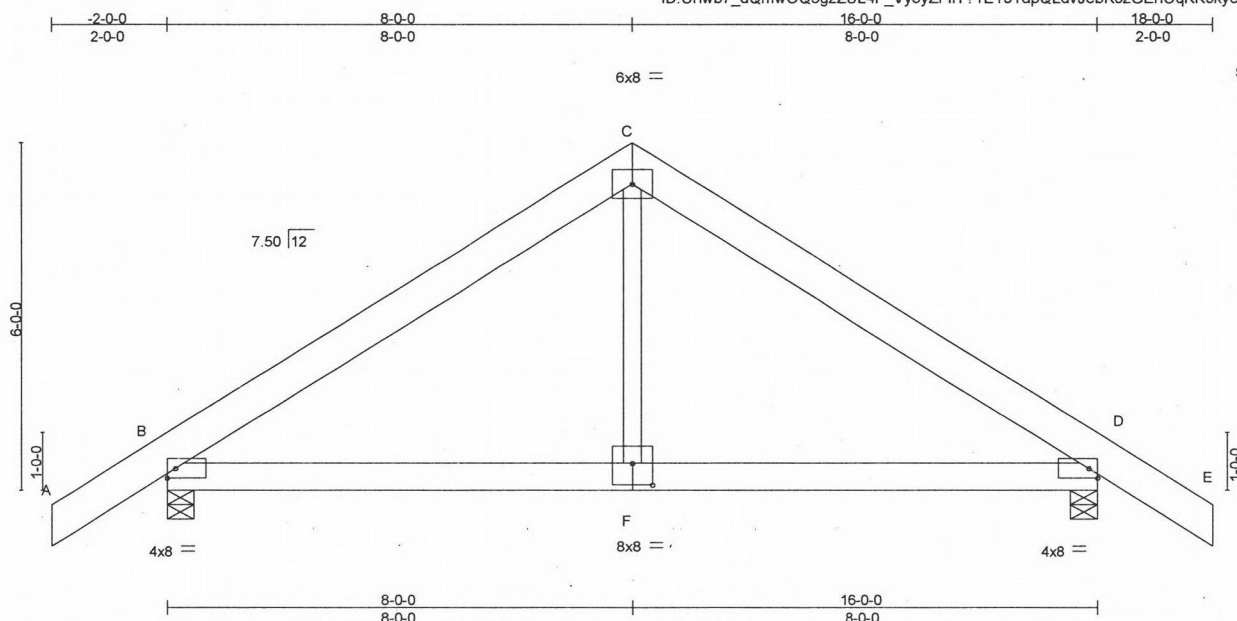
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MiTek
 250 Klug Circle
 Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
150457	D02	Common	3	1	

K1590841

Trus-Way, Inc., Vancouver, WA 98668

7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Dec 10 17:30:16 2015 Page 1
ID:Unwb7_dQmwOQ5g2ZUL4F_VyoyZl-iT?1E101dpQLdvJebK0zGEhOqKK0kyeFFKdr1yAHdb

Scale = 1:38.2

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

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof) 25.0	2-0-0		TC 0.11	Vert(LL)	-0.01	F-L	>999	240	MT20	220/195
Snow (P/Pg) 20.8/30.0	Plate Grip DOL 1.15		BC 0.13	Vert(TL)	-0.04	F-L	>999	180		
TCDL 7.0	Lumber DOL 1.15		WB 0.14	Horz(TL)	0.01	D	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES		(Matrix-M)	Wind(LL)	-0.01	F-L	>999	360		
BCDL 10.0	Code IRC2012/TPI2007								Weight: 110 lb	FT = 20%

LUMBER-

TOP CHORD 2x8 DF SS
 BOT CHORD 2x6 DF SS G
 WEBS 2x4 DF Stud/Std G

BRACING-

TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 6'-0" oc purlins.
 Rigid ceiling directly applied or 10'-0" oc bracing.

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

REACTIONS. (lb/size) B=716/0-5-8, D=716/0-5-8
 Max Horz B=-145(LC 10)
 Max Uplift B=-189(LC 12), D=-189(LC 12)
 Max Grav B=800(LC 2), D=800(LC 2)

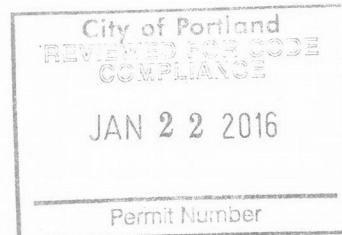
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD B-C=-764/190, C-D=-764/190
 BOT CHORD B-F=0/535, D-F=0/535
 WEBS C-F=0/333

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=140mph (3-second gust) V(IRC2012)=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; enclosed; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) TCLL: ASCE 7-10; Pr=25.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); 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 20.8 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" tall by 2'-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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=189, D=189.
- 9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard



EXPIRES: 12/31/2016
 December 11, 2015

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.

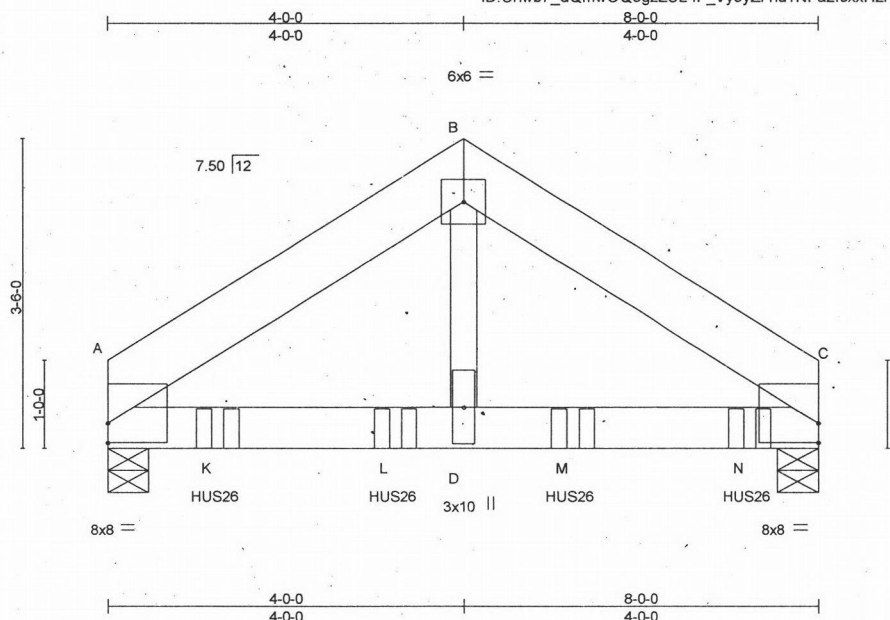


250 Klug Circle
 Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
150457	E01	Common Girder	1	2	

K1590842

Trus-Way, Inc., Vancouver, WA 98668

7,640 s Sep 29 2015 MiTek Industries, Inc. Thu Dec 10 17:30:17 2015 Page 1
ID: Unwb7_dQmwOQ5g2ZUL4F_VyoyZl-nu1Nfa2foxxHznUVBIfFWTmtVDd9l6WnUv4BNTyAHda

Scale = 1:25.0

Plate Offsets (X,Y) -- [A:0-0-0,0-2-11], [C:Edge,0-2-11]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.03	Vert(LL)	-0.01	D-J	>999	240	220/195
Snow (Pl/Pg) 20.8/30.0	Plate Grip DOL 1.15	BC 0.28	Vert(TL)	-0.03	D-J	>999	180	
TCDL 7.0	Lumber DOL 1.15	WB 0.50	Horz(TL)	0.01	C	n/a	n/a	
BCLL 0.0 *	Rep Stress Incr NO	(Matrix-M)	Wind(LL)	0.01	D-J	>999	360	
BCDL 10.0	Code IRC2012/TPI2007							
							Weight: 98 lb	FT = 20%

LUMBER-

TOP CHORD 2x8 DF SS
 BOT CHORD 2x6 DF SS G
 WEBS 2x4 DF Stud/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.

(lb/size) A=2181/0-5-8, C=2409/0-5-8
 Max Horz A=58(LC 9)
 Max Uplift A=400(LC 10), C=442(LC 10)
 Max Grav A=2428(LC 2), C=2682(LC 2)

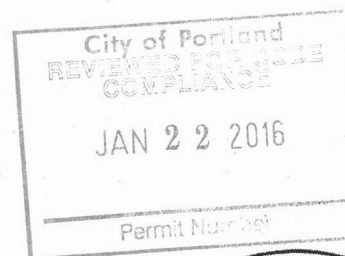
FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD A-B=-2417/406, B-C=-2415/406
 BOT CHORD A-K=-293/2009, K-L=-293/2009, D-L=-293/2009, D-M=-293/2009, M-N=-293/2009,
 C-N=-293/2009
 WEBS B-D=-331/2263

NOTES-

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
 Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-6-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=140mph (3-second gust) V(IRC2012)=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; enclosed; MWFRS (directional); cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load); Lumber DOL=1.15 Plate DOL=1.15; Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow); Lumber DOL=1.15 Plate DOL=1.15; Category II; Exp B; Fully Exp.; Ct=1.1
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- A plate rating reduction of 20% has been applied for the green lumber members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=400, C=442.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

Continued on page 2

EXPIRES: 12/31/2016
December 11, 2015**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-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, D58-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

250 Klug Circle
Corona, CA 92880

Job 150457	Truss E01	Truss Type Common Girder	Qty 1	Ply 2	Job Reference (optional) K1590842
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Trus-Way, Inc., Vancouver, WA 98668

7,640 s Sep 29 2015 MiTek Industries, Inc. Thu Dec 10 17:30:17 2015 Page 2
ID: Unwb7_dQmwOQ5g2ZUL4F_VyoyZI-nu1NFa2foxxHznUVBIfFWTmtVDd9I6WhUv4BNTyAHda

NOTES-

- 11) Use Simpson Strong-Tie HUS26 (14-10d Girder, 4-10d Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 1-2-12 from the left end to 7-2-12 to connect truss(es) A04 (1 ply 2x6 DF) to front face of bottom chord.
- 12) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

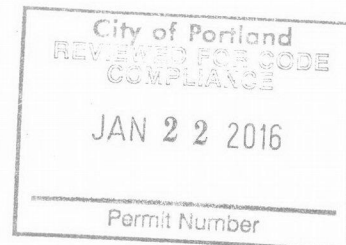
- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: A-B=-56, B-C=-56, E-H=-20

Concentrated Loads (lb)

Vert: K=-996(F) L=-996(F) M=-996(F) N=-996(F)



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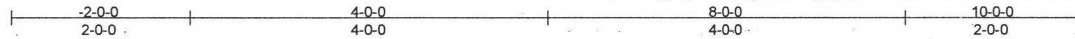


250 Klug Circle
Corona, CA 92880

Job*	Truss	Truss Type	Qty	Ply	K1590843
15G457	E02	Common Supported Gable	1	1	Job Reference (optional)

Trus-Way, Inc., Vancouver, WA 98668

7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Dec 10 17:30:18 2015 Page 1
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6x6 =

Scale = 1:24.8

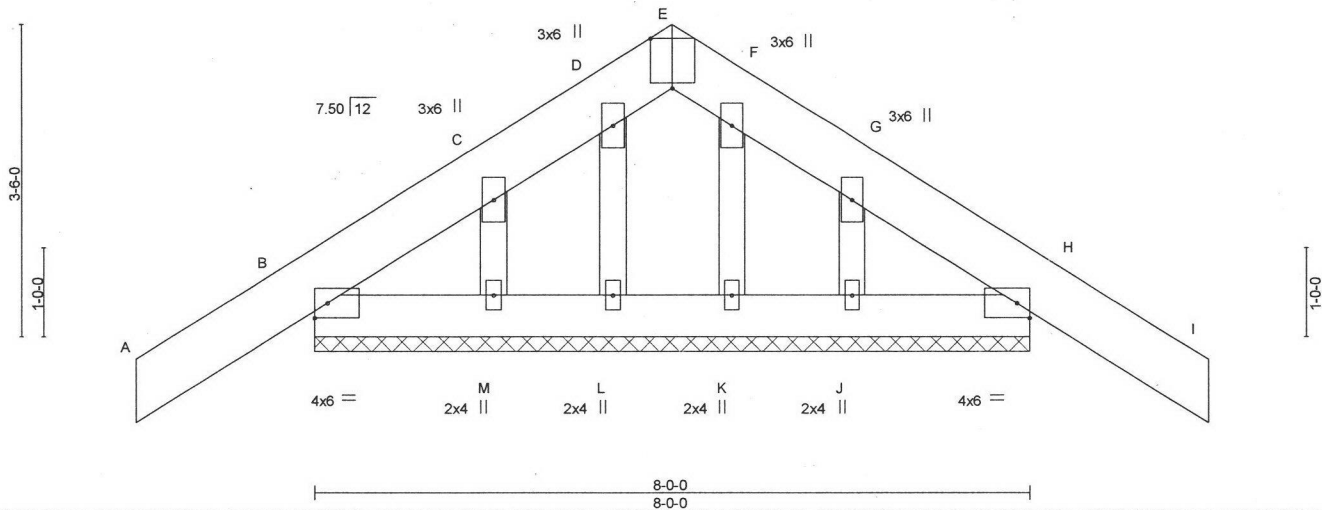


Plate Offsets (X,Y)-- [E:0-3-0,Edge]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof) 25.0	Plate Grip DOL	1.15	TC 0.06	Vert(LL)	-0.00	I	n/r	120	MT20
Snow (Pf/Pg) 20.8/30.0	Lumber DOL	1.15	BC 0.01	Vert(TL)	-0.01	I	n/r	90	220/195
TCDL 7.0	Rep Stress Incr	YES	WB 0.05	Horz(TL)	0.00	H	n/a	n/a	
BCLL 0.0 *	Code IRC2012/TPI2007		(Matrix)						
BCDL 10.0									
								Weight: 68 lb	FT = 20%

LUMBER-

TOP CHORD 2x8 DF SS
BOT CHORD 2x6 DF SS G
OTHERS 2x4 DF Stud/Std G

BRACING-

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS.

All bearings 8-0-0.
(lb) - Max Horz B=-87(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) M, J except B=-148(LC 12), H=-148(LC 12)
Max Grav All reactions 250 lb or less at joint(s) L, M, K, J except B=340(LC 16), H=340(LC 16)

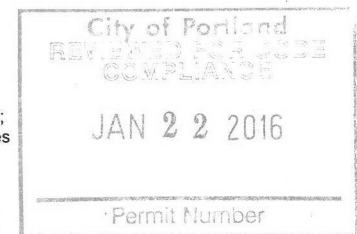
FORCES.

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=140mph (3-second gust) V(IRC2012)=111mph; TCCL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; enclosed; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- TCCL: ASCE 7-10; Pr=25.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.1
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.8 psf on overhangs non-concurrent with other live loads.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 1-4-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- A plate rating reduction of 20% has been applied for the green lumber members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) M, J except (jt=lb) B=148, H=148.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) B, H.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard



EXPIRES: 12/31/2016
December 11,2015

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

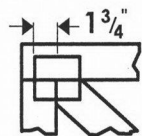
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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.



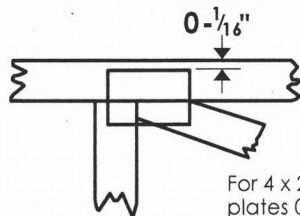
250 Klug Circle
Corona, CA 92880

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- $\frac{1}{16}$ " 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

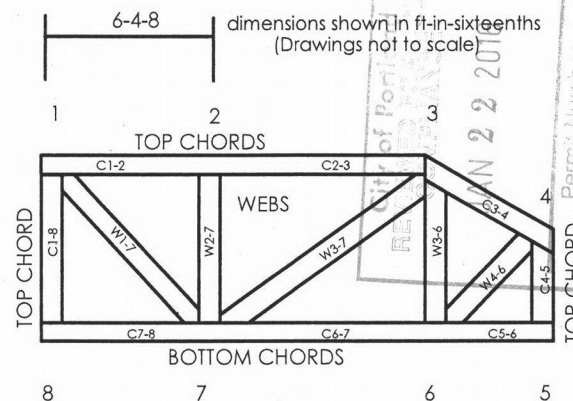


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTEST 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.

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

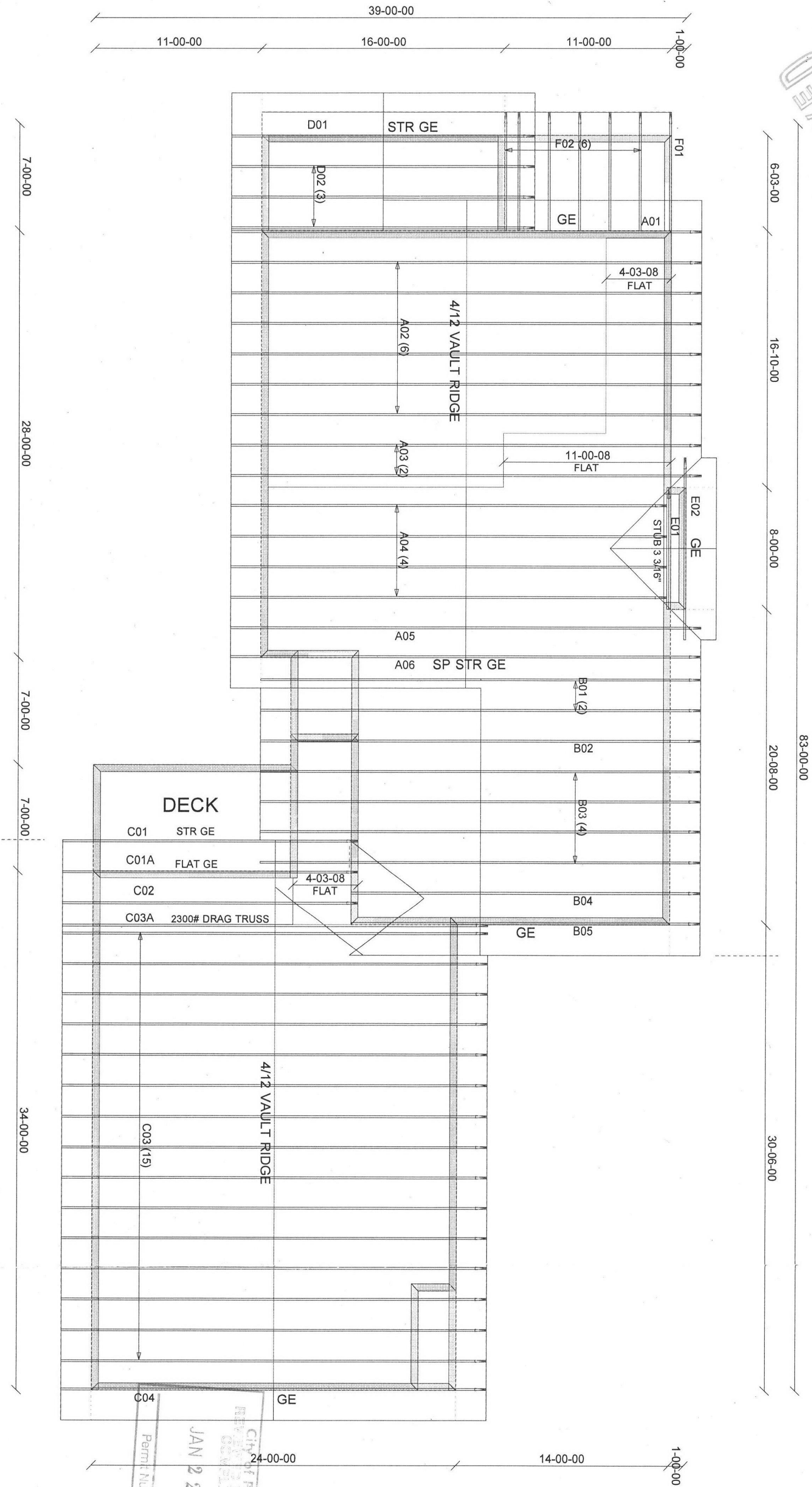


General Safety Notes

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.

RECEIVED
JAN 1 2 2016
BUS SERVICES
DOCUMENT SERVICES



CUSTOMER: MILWAUKIE LUMBER CO
JOB NAME: HAGGART LUXURY HOMES
PLAN: CARLSON RESIDENCE
JOB NUMBER: 150457
SALESMAN: DEAN HAWORTH

PITCH: 7.5/12
OVERHANGS: 2' - 0"
LOADING: 25-7-10
WIND SPEED: 140
BUILDING EXP: B

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