



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 Kevin Partain
Address 223 N.E. 56th Ave
City Portland State Or Zip Code 97213
Phone 503-421-2967 E-mail kevinp@gorge.net
Value of deferred submittal N/A 5000 Issued main building permit # 15-213226/23C-RS
Description/Scope of work Roof truss engineering

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

**MiTek USA, Inc.**

7777 Greenback Lane
Suite 109
Citrus Heights, CA, 95610
Telephone 916/676-1900
Fax 916/676-1909

Re: 15-DD3902
Murry Residence

The truss drawing(s) referenced below have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Precision Roof Trusses, Inc.

Pages or sheets covered by this seal: R45327074 thru R45327092

My license renewal date for the state of Oregon is June 30, 2017.

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



☒ REVIEWED ☐ REVISE AND RESUBMIT
☐ REJECTED ☐ FURNISH AS CORRECTED

Corrections or comments made on the shop drawings during this review do not relieve contractor from compliance with requirements of the drawings and specifications. This check is only for review of general conformance with the design concept of the project and general compliance with the information given in the contract documents. This contractor is responsible for confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordinating his work with that of all other trades; and performing his work in a safe and satisfactory manner.

FROELICH CONSULTING ENGINEERS, INC.
DATE: 9/3/15 BY: *B. L. L.*

September 2, 2015

Hernandez, Marcos

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.

City of Portland
REVIEWED FOR CODE
COMPLIANCE

SEP 21 2015

Permit Number



MiTek USA, Inc.

7777 Greenback Lane
Suite 109
Citrus Heights, CA, 95610
Telephone 916/676-1900
Fax 916/676-1909

Re: 15-DD3902
Murry Residence

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Pages or sheets covered by this seal: R45327074 thru R45327092

My license renewal date for the state of Oregon is June 30, 2017.

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

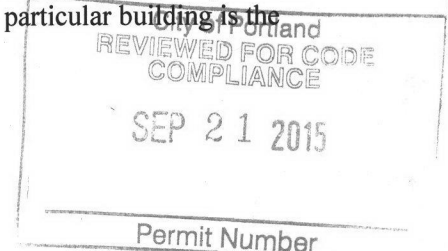


EXPIRES: 06/30/2017

September 2, 2015

Hernandez, Marcos

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.



Job	Truss	Truss Type	Qty	Ply	Murry Residence	R45327074
15-DD3902	A01	GABLE	2	1		

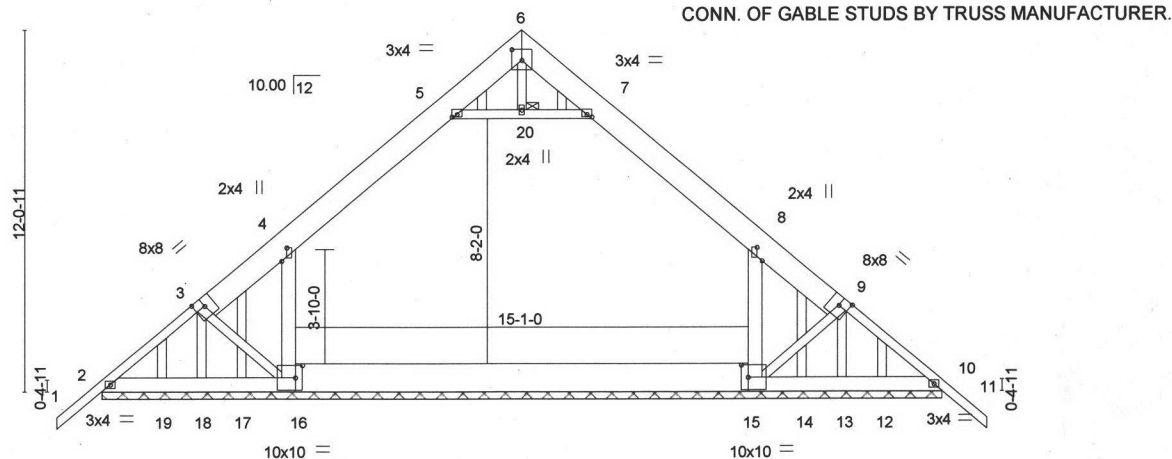
PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015

7.630 s Jul 28 2015 MiTek Industries, Inc. Wed Sep 02 12:19:23 2015 Page 1
ID:6icRxLONyikZFB2qqZA6TBylykm-G3TZsFsXMEjuPNOFHZNynt5HtqCwR1wMP5_hy3yhef2

1-6-0	3-7-13	6-2-12	11-10-1	14-0-0	16-1-15	21-9-4	24-4-3	28-0-0	29-6-0
1-6-0	3-7-13	2-6-15	5-7-5	2-1-15	2-1-15	5-7-5	2-6-15	3-7-13	1-6-0

8x8 =

Scale = 1:76.6



CONN. OF GABLE STUDS BY TRUSS MANUFACTURER.

Plate Offsets (X,Y)--	[4:0-5-5,0-2-0], [5:0-2-0,0-1-0], [6:0-4-0,0-4-4], [7:0-2-0,0-1-0], [8:0-5-5,0-2-0], [15:0-2-12,0-5-0], [16:0-2-12,0-5-0]
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LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	2-0-0		TC 0.25	Vert(LL)	0.01	11	n/r	120	MT20	220/195
(Roof Snow=25.0)	Plate Grip DOL 1.15		BC 0.50	Vert(TL)	0.00	11	n/r	90		
TCDL 7.0	Lumber DOL 1.15		WB 0.09	Horz(TL)	0.01	10	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES		(Matrix)							
BCDL 8.0	Code IBC2012/TPI2007								Weight: 267 lb	FT = 0%

LUMBER-

TOP CHORD 2x10 DF No.2 *Except*
1-3,9-11: 2x4 DF No.2
BOT CHORD 2x6 DF No.2 G *Except*
15-16: 2x12 DF SS
WEBS 2x4 DF Std G *Except*
5-7: 2x4 DF No.2, 4-16,8-15: 2x6 DF No.2
OTHERS 2x4 DF 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): 20

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

REACTIONS.

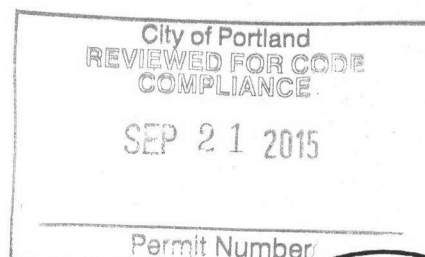
All bearings 28-0-0.
(lb) - Max Horz 2=-266(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 2, 15, 10, 19, 12 except 16=-112(LC 8), 17=-620(LC 15), 14=-620(LC 15)
Max Grav All reactions 250 lb or less at joint(s) 18, 19, 13, 12 except 2=606(LC 1), 16=1278(LC 17), 15=1258(LC 18), 10=606(LC 1)

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

TOP CHORD 2-3=-689/78, 3-4=-537/77, 4-5=-675/145, 7-8=-675/140, 8-9=-525/65, 9-10=-689/65
BOT CHORD 2-19=-50/516, 18-19=-50/516, 17-18=-50/516, 16-17=-45/542, 15-16=-16/430, 14-15=-2/511, 13-14=-6/487, 12-13=-6/487, 10-12=-6/487
WEBS 4-16=-457/213, 8-15=-445/202

NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct= 1
- 4) This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 1-4-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
- 9) Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-20, 7-20
- 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) 2, 15, 10, 19, 12 except (jt=lb) 16=112, 17=620, 14=620.
- 12) Attic room checked for L/360 deflection.



EXPIRES: 06/30/2017
September 2,2015

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 02/16/2015 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. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 781 N. Lee Street, Suite 312, Alexandria, VA 22314.



7777 Greenback Lane
Suite 109
Citrus Heights, CA 95610

Job	Truss	Truss Type	Qty	Ply	Murry Residence	R45327075
15-DD3902	A02	ATTIC	8	1		

PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015

Job Reference (optional)
7.630 s Jul 28 2015 MiTek Industries, Inc. Wed Sep 02 12:19:24 2015 Page 1
ID:6icRxlONyikZFB2qqZA6TBylykm-kF1x4bt97Yr11XbSrHunK4eHJEVZaScVeljFUWVhef1

1-6-0	3-7-13	6-2-12	11-10-1	14-0-0	16-1-15	21-9-4	24-4-3	28-0-0	29-6-0
1-6-0	3-7-13	2-6-15	5-7-5	2-1-15	2-1-15	5-7-5	2-6-15	3-7-13	1-6-0

8x8 =

Scale = 1:76.1

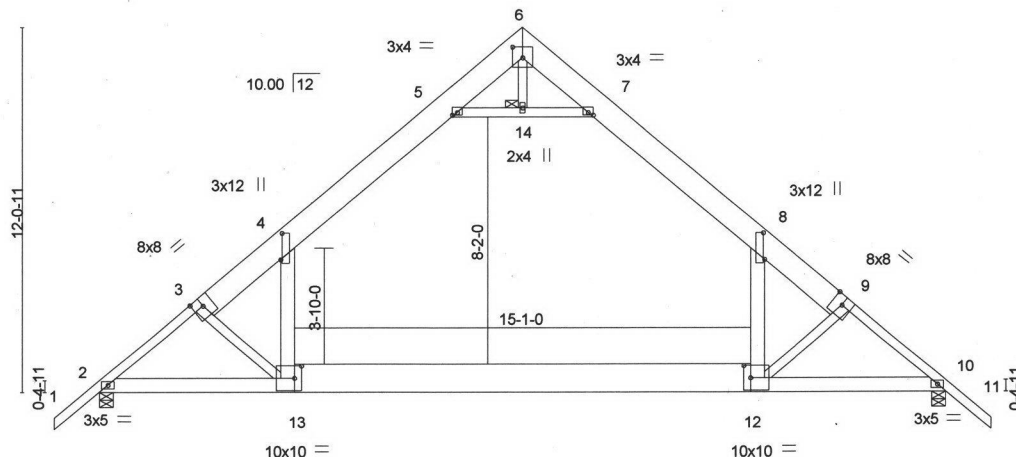


Plate Offsets (X,Y)-- [4:0-10-9,0-0-8], [5:0-2-0,0-1-0], [6:0-4-0,0-4-4], [7:0-2-0,0-1-0], [8:0-10-9,0-0-8], [12:0-2-12,0-5-0], [13:0-2-12,0-5-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.91	Vert(LL)	-0.39 12-13	>854	240	MT20	220/195
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.64	Vert(TL)	-0.72 12-13	>458	180		
TCDL 7.0	Lumber DOL 1.15	WB 0.21	Horz(TL)	0.05 10	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	(Matrix)	Attic	-0.24 12-13	758	360		
BCDL 8.0	Code IBC2012/TPI2007						Weight: 248 lb	FT = 0%

LUMBER-

TOP CHORD 2x10 DF No.2 *Except*
1-3,9-11: 2x4 DF No.2
BOT CHORD 2x6 DF No.2 G *Except*
12-13: 2x12 DF SS
WEBS 2x4 DF Std G *Except*
5-7: 2x4 DF No.2, 4-13,8-12: 2x6 DF No.2

BRACING-

TOP CHORD
BOT CHORD
JOINTS

Structural wood sheathing directly applied or 2-2-0 oc purlins.
Rigid ceiling directly applied or 7-1-14 oc bracing.
1 Brace at Jt(s): 14

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

REACTIONS.

(lb/size) 2=1366/0-5-8, 10=1366/0-5-8
Max Horz 2=-213(LC 6)
Max Grav 2=1666(LC 15), 10=1666(LC 16)

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

TOP CHORD 2-3=-2374/0, 3-4=-2130/0, 4-5=-1357/41, 5-6=0/579, 6-7=0/578, 7-8=-1359/43,
8-9=-2134/0, 9-10=-2378/0
BOT CHORD 2-13=0/1911, 12-13=0/1387, 10-12=0/1797
WEBS 5-14=-2153/0, 7-14=-2153/0, 4-13=0/1307, 8-12=0/1307, 3-13=-763/71, 6-14=0/297,
9-12=-762/70

NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct= 1
- 3) This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-14, 7-14
- 7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 12-13
- 8) A plate rating reduction of 20% has been applied for the green lumber members.
- 9) Attic room checked for L/360 deflection.

City of Portland
REVIEWED FOR CODE
COMPLIANCE

SEP 21 2015

Permit Number



EXPIRES: 06/30/2017
September 2,2015

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MiTek

7777 Greenback Lane
Suite 109
Citrus Heights, CA 95610

Job 15-DD3902	Truss A03	Truss Type ATTIC	Qty 1	Ply 3	Murry Residence	R45327076
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PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015

Job Reference (optional)
7.630 s Jul 28 2015 MiTek Industries, Inc. Wed Sep 02 12:19:25 2015 Page 1
ID:6icRxLONyikZFB2qqZA6TBylykm-CRbJHxunuszcehAeO_Q0tiBXTer7JvtfPTTo0yyhefo

1-6-0 3-7-13 6-2-12 11-10-0 14-0-0 16-2-0 21-9-4 24-4-3 28-0-0 29-6-0
1-6-0 3-7-13 2-6-15 5-7-4 2-2-0 2-2-0 5-7-4 2-6-15 3-7-13 1-6-0

8x8 =

Scale = 1:76.1

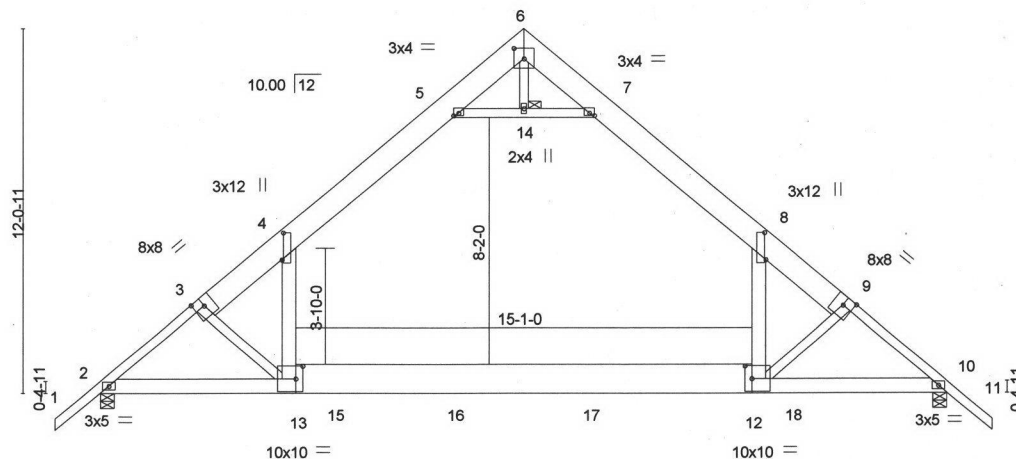


Plate Offsets (X,Y)-- [4:0-10-13,0-0-8], [5:0-2-0,0-1-0], [6:0-4-0,0-4-4], [7:0-2-0,0-1-0], [8:0-10-13,0-0-8], [12:0-2-12,0-5-0], [13:0-2-12,0-5-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.63	Vert(LL)	-0.12 12-13	>999	240	MT20	220/195
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.62	Vert(TL)	-0.95 12-13	>348	180		
TCDL 7.0	Lumber DOL 1.15	WB 0.25	Horz(TL)	0.07 10	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	(Matrix)	Attic	-0.08 12-13	2304	360		
BCDL 8.0	Code IBC2012/TPI2007						Weight: 744 lb	FT = 0%

LUMBER-

TOP CHORD 2x10 DF SS *Except*
1-3,9-11: 2x4 DF No.2
BOT CHORD 2x6 DF No.2 G *Except*
12-13: 2x12 DF SS
WEBS 2x4 DF Std G *Except*
5-7: 2x4 DF No.2, 4-13,8-12: 2x6 DF No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 14

REACTIONS.

(lb/size) 2=4287/0-5-8, 10=4344/0-5-8
Max Horz 2=213(LC 7)
Max Grav 2=4587(LC 15), 10=4644(LC 16)

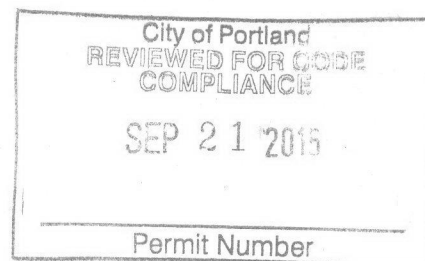
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-7146/0, 3-4=-6631/0, 4-5=-3967/0, 5-6=0/931, 6-7=0/942, 7-8=-3957/0,
8-9=-6665/0, 9-10=-7192/0
BOT CHORD 2-13=0/5555, 13-15=0/4234, 15-16=0/4234, 16-17=0/4234, 12-17=0/4234, 12-18=0/5504,
10-18=0/5479
WEBS 5-14=-6221/0, 7-14=-6221/0, 4-13=0/4544, 8-12=0/4617, 3-13=-2020/0, 6-14=0/794,
9-12=-2078/0

NOTES-

- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x10 - 2 rows staggered at 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x12 - 3 rows staggered at 0-5-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 6-14 2x4 - 2 rows staggered at 0-4-0 oc, 2x6 - 2 rows staggered 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.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct= 1
- This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 25.0 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.
- Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-14, 7-14
- Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 12-13
- A plate rating reduction of 20% has been applied for the green lumber members.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1300 lb down at 14-0-0 on top chord, and 1300 lb down at 6-9-8, 1000 lb down at 11-8-0, and 1000 lb down at 16-2-0, and 1300 lb down at 21-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on Page 2



EXPIRES: 06/30/2017
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7777 Greenback Lane
Suite 109
Citrus Heights, CA 95610

Job	Truss	Truss Type	Qty	Ply	Murry Residence	R45327076
15-DD3902	A03	ATTIC	1	3	Job Reference (optional)	

PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015

7.630 s Jul 28 2015 MiTek Industries, Inc. Wed Sep 02 12:19:25 2015 Page 2
ID:6icRxLONyiKzFB2qqZA6TBylykm-CRbJHxunuszcehAeO_Q0tIBXTer7JvtftPTo0yyhef0

NOTES-

12) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

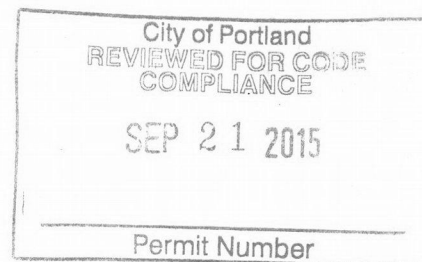
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 2-13=-16, 12-13=-26, 10-12=-16, 1-4=-64, 4-5=-74, 5-6=-64, 6-7=-64, 7-8=-74, 8-11=-64, 5-7=-10

Concentrated Loads (lb)

Vert: 6=-1300(B) 15=-1300(B) 16=-1000(B) 17=-1000(B) 18=-1300(B)



⚠ WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 02/16/2015 BEFORE USE.

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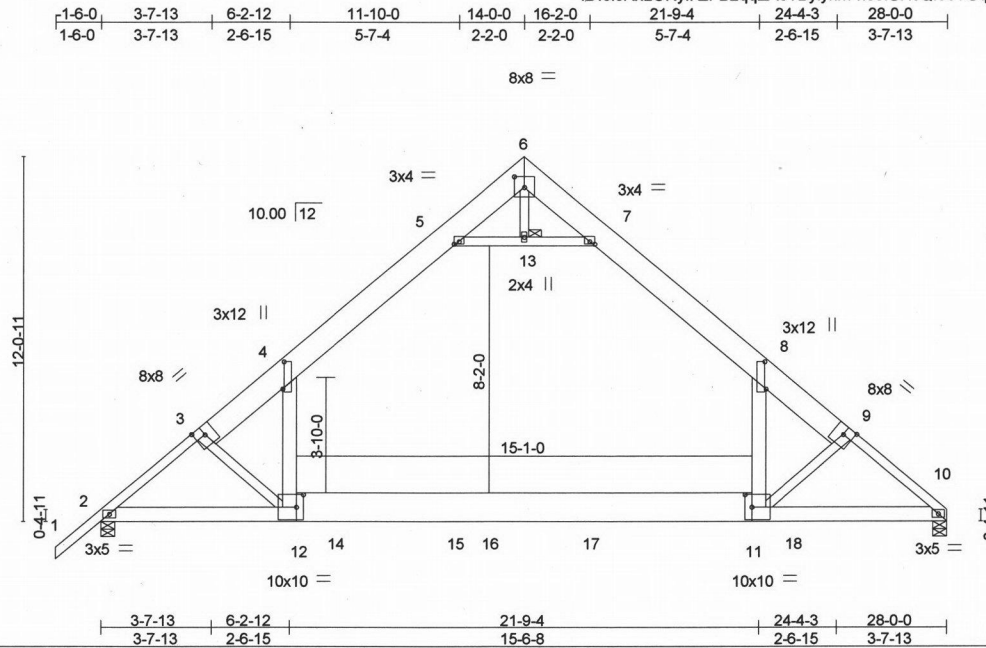


7777 Greenback Lane
Suite 109
Citrus Heights, CA 95610

Job	Truss	Truss Type	Qty	Ply	Murry Residence	R45327077
15-DD3902	A04	ATTIC	1	3		

PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015

ID:6icRxLONyikZFB2qqZA6TBylykm-he9IUHvQf95TGqlqyixFPVjiB1BM2L6o52CMYQyhef? 7.630 s Jul 28 2015 MiTek Industries, Inc. Wed Sep 02 12:19:26 2015 Page 1



Scale = 1:76.1

Plate Offsets (X,Y)-- [4:0-10-13,0-0-8], [5:0-2-0-0-1-0], [6:0-4-0-0-4-4], [7:0-2-0-0-1-0], [8:0-10-13,0-0-8], [11:0-2-12,0-5-0], [12:0-2-12,0-5-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.63	Vert(LL)	-0.12 11-12	>999	240	MT20	220/195
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.62	Vert(TL)	-0.95 11-12	>348	180		
TCDL 7.0	Lumber DOL 1.15	WB 0.25	Horz(TL)	0.07 10	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	(Matrix)	Attic	-0.08 11-12	2304	360		
BCDL 8.0	Code IBC2012/TPI2007						Weight: 736 lb	FT = 0%

LUMBER-

TOP CHORD 2x10 DF SS *Except*
1-3,9-10: 2x4 DF No.2
BOT CHORD 2x6 DF No.2 G *Except*
11-12: 2x12 DF SS
WEBS 2x4 DF Std G *Except*
5-7: 2x4 DF No.2, 4-12,8-11: 2x6 DF No.2

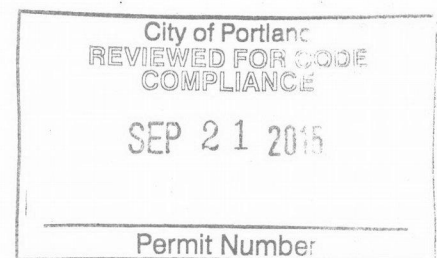
REACTIONS. (lb/size) 2=4291/0-5-8, 10=4230/0-5-8
Max Horz 2=205(LC 7)
Max Grav 2=4843(LC 21), 10=4905(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-7704/0, 3-4=-6818/0, 4-5=-4306/0, 5-6=-99/933, 6-7=-81/949, 7-8=-4311/0,
8-9=-6892/0, 9-10=-7794/0
BOT CHORD 2-12=0/5878, 12-14=0/4227, 14-15=0/4688, 15-16=0/4993, 16-17=0/4997, 11-17=0/4997,
11-18=0/5986, 10-18=0/5961
WEBS 5-13=-6232/0, 7-13=-6232/0, 4-12=0/4544, 8-11=0/4624, 3-12=-2018/0, 6-13=0/796,
9-11=-2104/0

NOTES-

- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x10 - 2 rows staggered at 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x12 - 3 rows staggered at 0-5-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 6-13 2x4 - 2 rows staggered at 0-4-0 oc, 2x6 - 2 rows staggered 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.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct= 1
- This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 25.0 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.
- Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-13, 7-13
- Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 11-12
- A plate rating reduction of 20% has been applied for the green lumber members.
- This truss has been designed for a total seismic drag load of 3400 lb with dead loads only. Lumber DOL=(1.60) Plate grip DOL=(1.60)
Connect truss to resist drag loads along bottom chord from 0-0-0 to 12-10-0 for 264.9 plf.

Continued on page 2



EXPIRES: 06/30/2017
September 2, 2015

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MiTek
7777 Greenback Lane
Suite 109
Citrus Heights, CA 95610

Job	Truss	Truss Type	Qty	Ply	Murry Residence	
15-DD3902	A04	ATTIC	1	3		R45327077

PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015

7.630 s Jul 28 2015 MiTek Industries, Inc. Wed Sep 02 12:19:26 2015 Page 2
ID:6icRxLONyikzFB2qqZA6TBylykm-he9iUHvQf95TGqlqyixFPVjiB1BM2L6o52CMYOyhef?

NOTES-

- 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1300 lb down at 14-0-0 on top chord, and 1300 lb down at 6-9-8, 1000 lb down at 11-8-0, and 1000 lb down at 16-2-0, and 1300 lb down at 21-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 13) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

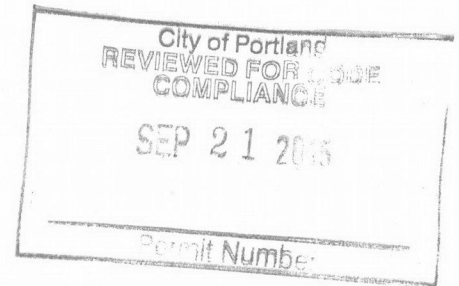
- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 2-12=-16, 11-12=-26, 10-11=-16, 1-4=-64, 4-5=-74, 5-6=-64, 6-7=-64, 7-8=-74, 8-10=-64, 5-7=-10

Concentrated Loads (lb)

Vert: 6=-1300(B) 14=-1300(B) 15=-1000(B) 17=-1000(B) 18=-1300(B)



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7777 Greenback Lane
Suite 109
Citrus Heights, CA 95610

Job	Truss	Truss Type	Qty	Ply	Murry Residence	R45327078
15-DD3902	A05	ATTIC	8	1		

PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015

Job Reference (optional)

7.630 s Jul 28 2015 MiTek Industries, Inc. Wed Sep 02 12:19:27 2015 Page 1
ID:6icRxLONyikZFB2qqZA6TBlykm-9qj4icw2QTDKu_K1WPSUyJGo1RWEnokxKiyv5ryhef

1-6-0	3-7-13	6-2-12	11-10-1	14-0-0	16-1-15	21-9-4	24-4-3	28-0-0
1-6-0	3-7-13	2-6-15	5-7-5	2-1-15	2-1-15	5-7-5	2-6-15	3-7-13

8x8 =

Scale = 1:76.1

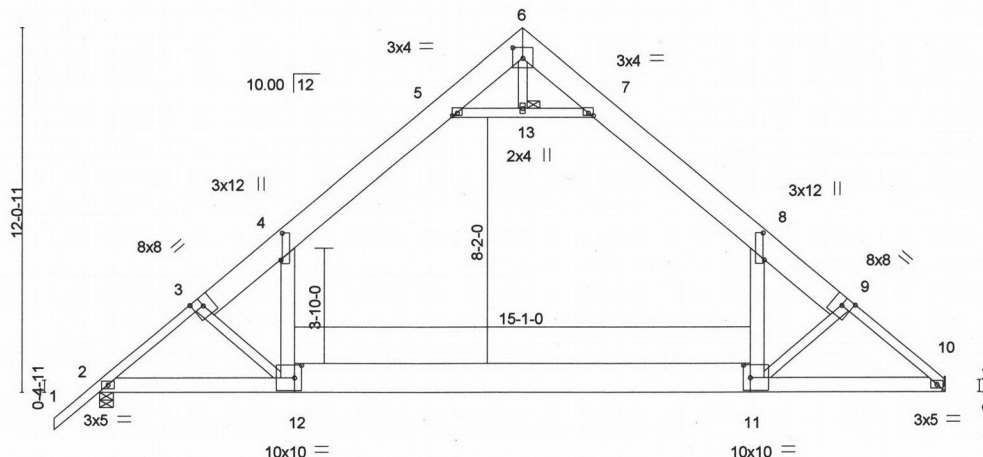


Plate Offsets (X,Y)--	[4:0-10-9,0-0-8]	[5:0-2-0,0-1-0]	[6:0-4-0,0-4-4]	[7:0-2-0,0-1-0]	[8:0-10-9,0-0-8]	[11:0-2-12,0-5-0]	[12:0-2-12,0-5-0]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.94	Vert(LL)	-0.39 11-12	>849	240	MT20	220/195
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.64	Vert(TL)	-0.73 11-12	>453	180		
TCDL 7.0	Lumber DOL 1.15	WB 0.23	Horz(TL)	0.05 10	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	(Matrix)	Attic	-0.24 11-12	755	360		
BCDL 8.0	Code IBC2012/TPI2007						Weight: 245 lb	FT = 0%

LUMBER-

TOP CHORD 2x10 DF No.2 *Except*
1-3,9-10: 2x4 DF No.2
BOT CHORD 2x6 DF No.2 G *Except*
11-12: 2x12 DF SS
WEBS 2x4 DF Std G *Except*
5-7: 2x4 DF No.2, 4-12,8-11: 2x6 DF No.2

BRACING-

TOP CHORD
BOT CHORD
JOINTS

Structural wood sheathing directly applied or 1-11-14 oc purlins.
Rigid ceiling directly applied or 7-1-14 oc bracing.
1 Brace at Jt(s): 13

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

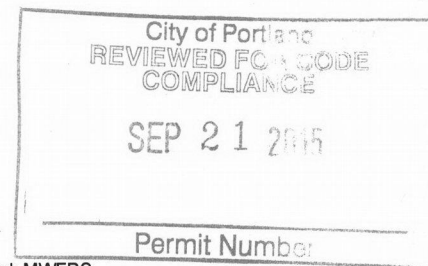
REACTIONS. (lb/size) 2=1377/0-5-8, 10=1257/Mechanical
Max Horz 2=205(LC 7)
Max Grav 2=1677(LC 15), 10=1569(LC 16)

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

TOP CHORD 2-3=-2400/0, 3-4=-2158/0, 4-5=-1383/44, 5-6=0/588, 6-7=0/601, 7-8=-1370/43,
8-9=-2186/0, 9-10=-2455/0
BOT CHORD 2-12=0/1916, 11-12=0/1398, 10-11=0/1888
WEBS 5-13=-2199/0, 7-13=-2199/0, 4-12=0/1311, 8-11=0/1352, 3-12=-757/71, 6-13=0/303,
9-11=-881/75

NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct= 1
- 3) This truss has been designed for greater of min roof live load of 14.0 psf or 2.0 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-13, 7-13
- 7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 11-12
- 8) A plate rating reduction of 20% has been applied for the green lumber members.
- 9) Refer to girder(s) for truss to truss connections.
- 10) Attic room checked for L/360 deflection.



EXPIRES: 06/30/2017
September 2, 2015

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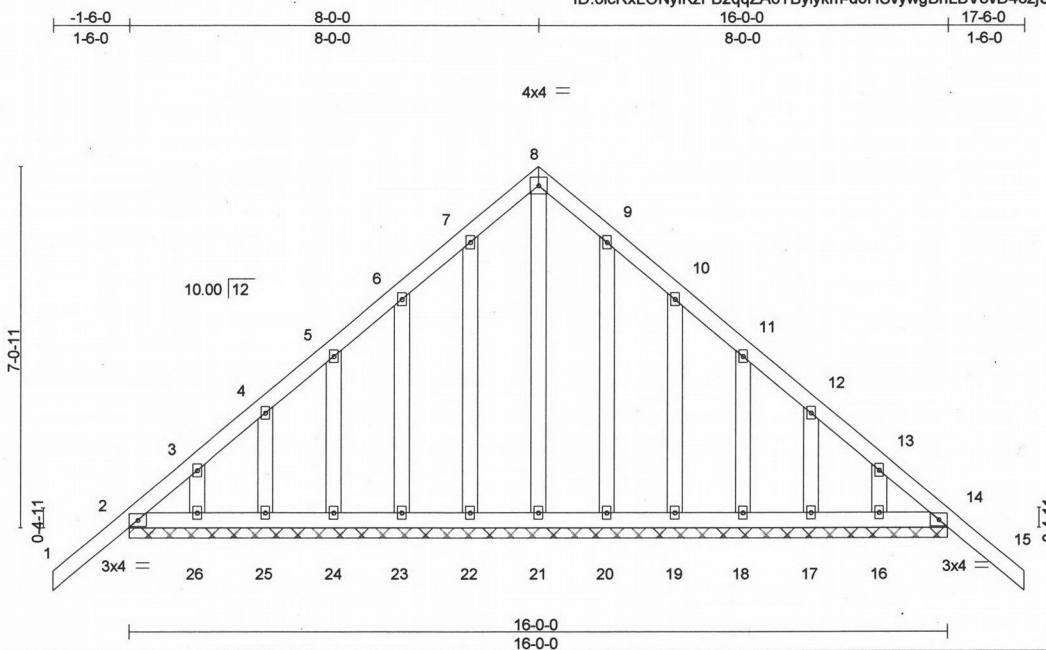


7777 Greenback Lane
Suite 109
Citrus Heights, CA 95610

Job 15-DD3902	Truss B01	Truss Type COMMON SUPPORTED GAB	Qty 1	Ply 1	Murry Residence R45327079
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PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015

Job Reference (optional)
7.630 s Jul 28 2015 MiTek Industries, Inc. Wed Sep 02 12:19:28 2015 Page 1
ID:6icRXLONyikzFB2qgZA6TBylykm-d0HSvywgBnLBV8vD46zJWp8er_SWHC5ZMhScHyheez



Scale = 1:45.0

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2'-0'-0"	TC 0.25	in (loc) l/defl L/d	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.13	Vert(LL) 0.01 15 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.08	Vert(TL) 0.00 15 n/r 90		
BCDL 8.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.00 14 n/a n/a		
	Code IBC2012/TPI2007			Weight: 107 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
OTHERS 2x4 DF 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.

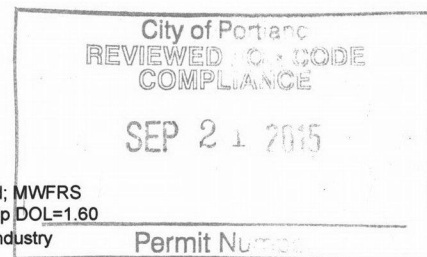
REACTIONS.

- All bearings 16'-0'-0".
(lb) - Max Horz 2=167(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 22, 23, 24, 25, 20, 19, 18, 17 except 26=106(LC 14),
16=106(LC 14)
Max Grav All reactions 250 lb or less at joint(s) 21, 22, 23, 24, 25, 26, 20, 19, 18, 17, 16 except 2=309(LC 14), 14=309(LC 14)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct= 1
- 4) This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) All plates are 2x3 MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 1'-4'-0" oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 2'-0" wide will fit between the bottom chord and any other members.
- 10) A plate rating reduction of 20% has been applied for the green lumber members.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 22, 23, 24, 25, 20, 19, 18, 17 except (jt=lb) 26=106, 16=106.



EXPIRES: 06/30/2017
September 2, 2015

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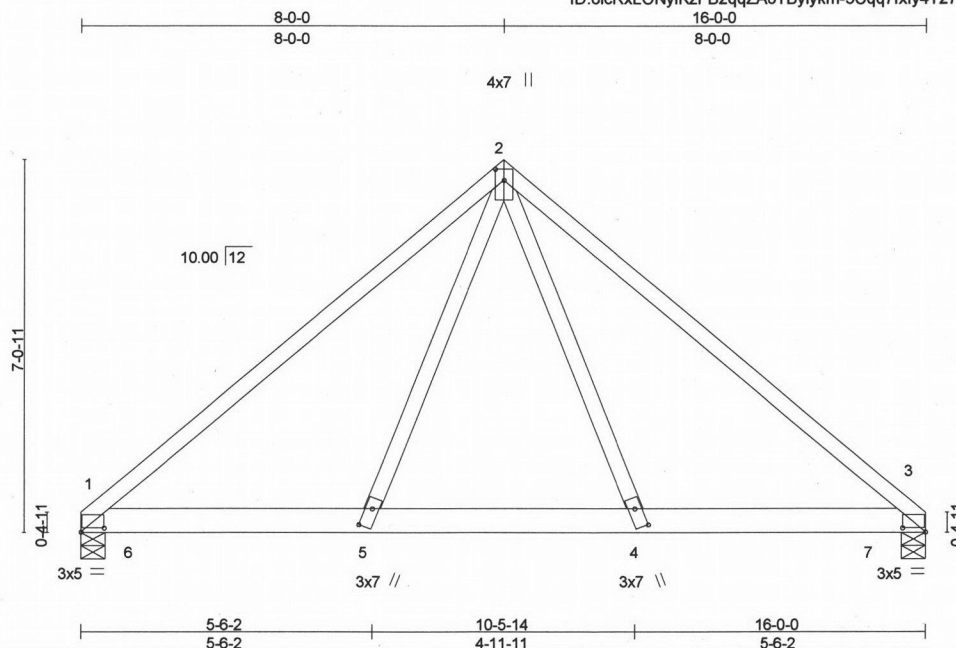


7777 Greenback Lane
Suite 109
Citrus Heights, CA 95610

Job	Truss	Truss Type	Qty	Ply	Murry Residence	R45327080
15-DD3902	B02	COMMON	1	2		

PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015

7.630 s Jul 28 2015 MiTek Industries, Inc. Wed Sep 02 12:19:29 2015 Page 1
ID:6icRxLONyikZFB2qqZA6TBylykm-5Cqq7lxly4T27ITPdquY18LDTFC8FZiEn0R08jyheey



Scale = 1:43.6

Plate Offsets (X,Y)-- [1:0-5-4,0-0-15], [2:0-2-8,0-2-0], [3:0-5-4,0-0-15], [4:0-4-8,0-1-8], [5:0-4-8,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.63	Vert(LL)	-0.09	1-5	>999	MT20	220/195
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.68	Vert(TL)	-0.19	1-5	>994		
TCDL 7.0	Lumber DOL 1.15	WB 0.82	Horz(TL)	0.04	3	n/a		
BCLL 0.0 *	Rep Stress Incr NO	(Matrix)						
BCDL 8.0	Code IBC2012/TPI2007							
							Weight: 162 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 DF No.1&Btr G
BOT CHORD 2x6 DF 1800F 1.6E
WEBS 2x4 DF Std G

BRACING-

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

REACTIONS. (lb/size) 1=5284/0-5-8, 3=5284/0-5-8
Max Horz 1=160(LC 20)
Max Uplift 1=297(LC 8), 3=297(LC 9)

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

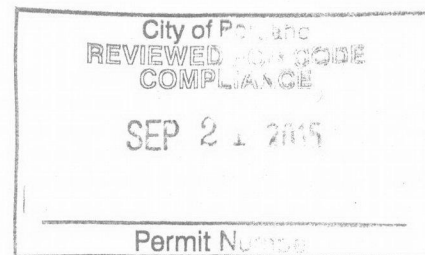
TOP CHORD 1-2=-5917/362, 2-3=-5917/361
BOT CHORD 1-6=-231/4428, 5-6=-231/4428, 4-5=-156/3077, 4-7=-217/4428, 3-7=-217/4428
WEBS 2-5=-207/3731, 2-4=-207/3731

NOTES-

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-8-0 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.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct= 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) 1=297, 3=297.
- This truss has been designed for a total seismic drag load of 800 lb with dead loads only. Lumber DOL=(1.60) Plate grip DOL=(1.60)
Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-0-0, 15-0-0 to 16-0-0 for 400.0 plf.

LOAD CASE(S) Standard

- Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-616(F=-600), 1-2=-64, 2-3=-64



EXPIRES: 06/30/2017
September 2, 2015

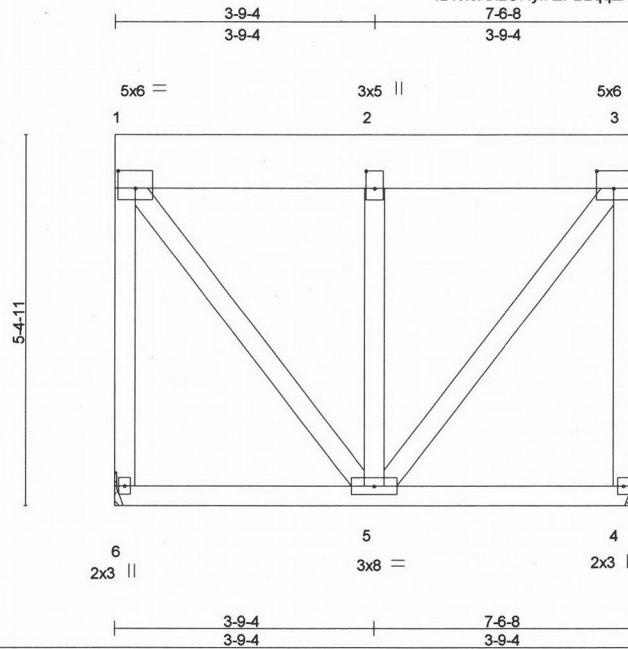
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 rev. 02/16/2015 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, D58-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 781 N. Lee Street, Suite 312, Alexandria, VA 22314.

MiTek
7777 Greenback Lane
Suite 109
Citrus Heights, CA 95610

Job	Truss	Truss Type	Qty	Ply	Murry Residence
15-DD3902	BX01	Roof Special Girder	1	1	

R45327081

PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015

Job Reference (optional)
7.630 s Jul 28 2015 MiTek Industries, Inc. Wed Sep 02 12:19:30 2015 Page 1
ID:6icRxLONyikZFB2qqZA6TBylykm-ZPOCKeywjObvIS2bBX?BaLuRcfco_7OO0gAZh9yheex

Scale = 1:33.4

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

LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	2-0-0		TC 0.41	Vert(LL)	-0.02	5-6	>999	240	
(Roof Snow=25.0)	Plate Grip DOL 1.15		BC 0.27	Vert(TL)	-0.04	5-6	>999	180	
TCDL 7.0	Lumber DOL 1.15		WB 0.36	Horz(TL)	-0.00	4	n/a	n/a	
BCLL 0.0 *	Rep Stress Incr NO		(Matrix)						
BCDL 8.0	Code IBC2012/TPI2007								
								Weight: 70 lb	FT = 0%

LUMBER-

TOP CHORD 2x10 DF No.2
 BOT CHORD 2x4 DF No.2
 WEBS 2x4 DF Std G

BRACING-

TOP CHORD
 BOT CHORD

2-0-0 oc purlins (6-0-0 max.); 1-3, 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) 6=1218/Mechanical, 4=1218/Mechanical
 Max Horz 6=-119(LC 4)
 Max Uplift 6=-102(LC 4), 4=-102(LC 5)

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

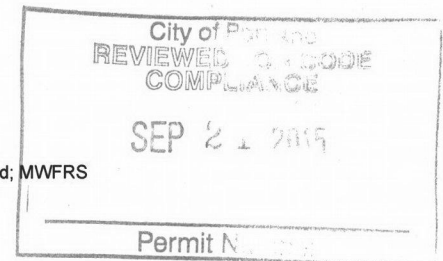
TOP CHORD 1-6=-1081/113, 1-2=-487/31, 2-3=-487/31, 3-4=-1081/113
 WEBS 1-5=-88/814, 2-5=-882/100, 3-5=-88/814

NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct= 1
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) A plate rating reduction of 20% has been applied for the green lumber members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=102, 4=102.
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=-240(B=-176), 4-6=-96(F=-80)



EXPIRES: 06/30/2017
 September 2, 2015

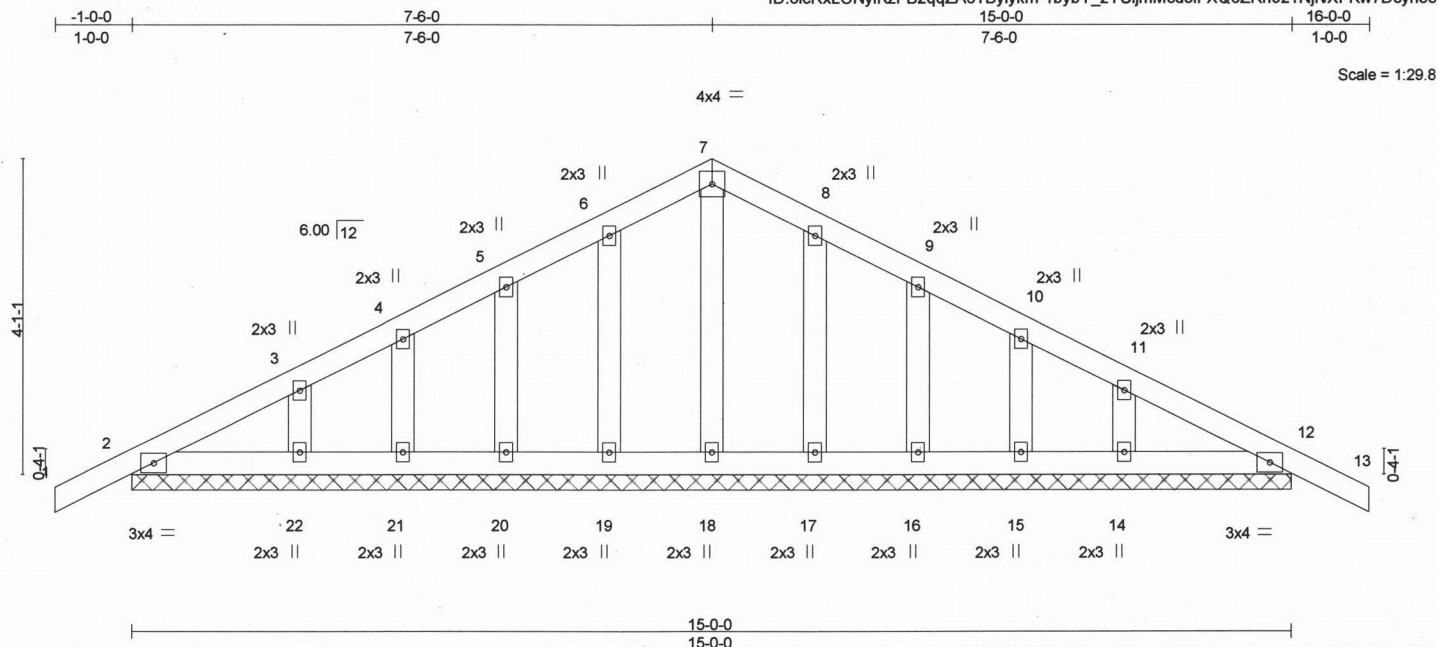
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 02/16/2015 BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, D58-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 781 N. Lee Street, Suite 312, Alexandria, VA 22314.

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7.630 s Jul 28 2015 MiTek Industries, Inc. Wed Sep 02 12:19:31 2015 Page 1
ID:6icRxLONviKzFB2ggZA6TBvlykm-1bvbY zYUijmMcdolFXQ6ZRh921NfvXFKw7Dcyheew

[illegible]

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
OTHERS 2x4 DF 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.

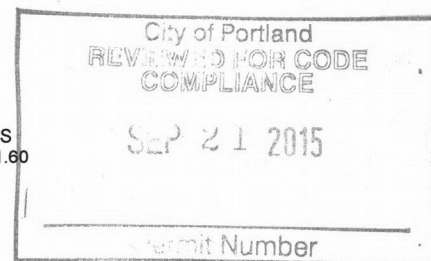
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 15-0-0.
(lb) - Max Horz 2=-60(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 19, 20, 21, 22, 17, 16, 15, 14
Max Grav All reactions 250 lb or less at joint(s) 2, 12, 18, 19, 20, 21, 22, 17, 16, 15, 14

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCdL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct= 1
- 4) Unbalanced snow loads have been considered for this design.
- 5) This truss has been designed for greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 1'-4" oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 2'-0" wide will fit between the bottom chord and any other members.
- 10) A plate rating reduction of 20% has been applied for the green lumber members.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12, 19, 20, 21, 22, 17, 16, 15, 14.
- 12) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 12.



EXPIRES: 06/30/2017
September 2, 2015

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 02/16/2015 BEFORE USE.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED REFERENCE FRAME 101-1713 (rev. 02/10/2015) 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.
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Safety Information available from Truss Plate Institute, 781 N. Lee Street, Suite 312, Alexandria, VA 22314.

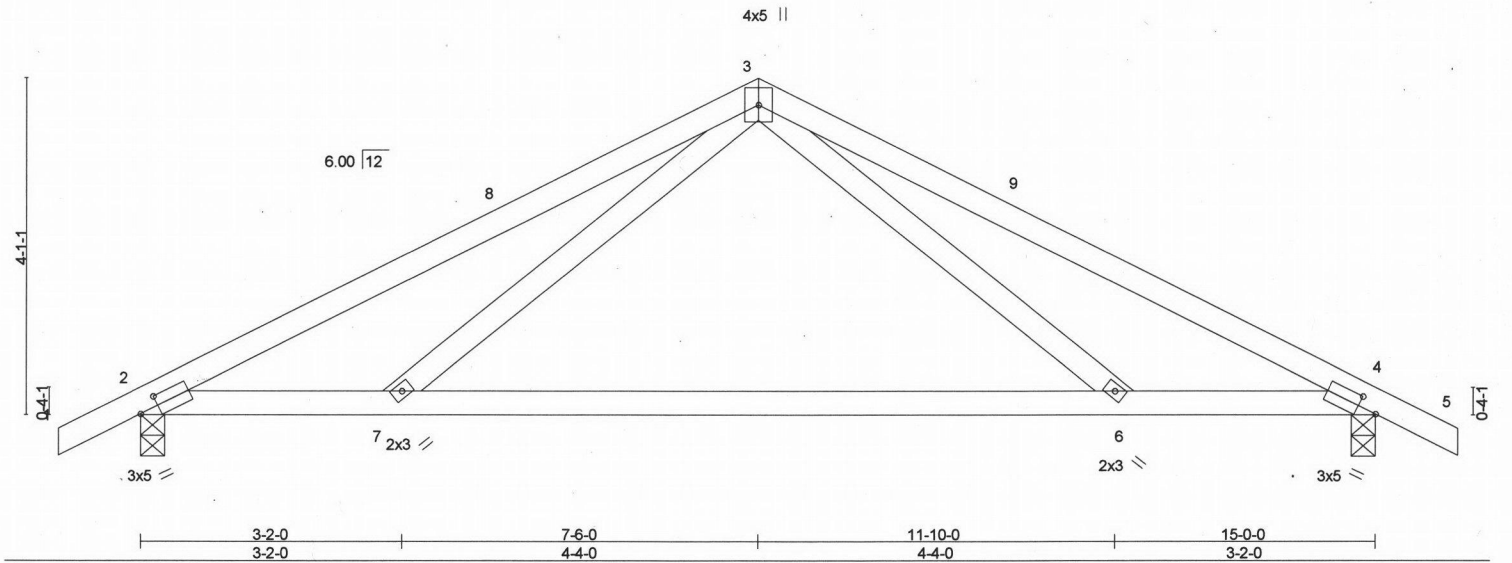
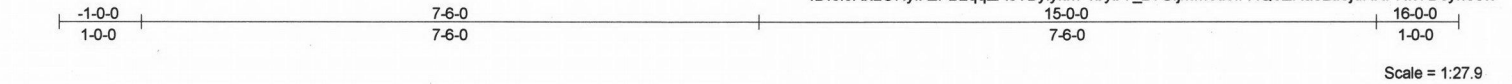


7777 Greenback Lane
Suite 109
Citrus Heights, CA 95610

Job 15-DD3902	Truss G02	Truss Type COMMON	Qty 10	Ply 1	Murry Residence	R45327083
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PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015

Job Reference (optional)
7.630 s Jul 28 2015 MiTek Industries, Inc. Wed Sep 02 12:19:31 2015 Page 1
ID:6icRxLONyiKzFB2qqZA6TBylykm-1bybY_zYUijmMcdolFXQ6ZR82u0jdHXFKw7Dcyheew



LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.55	Vert(LL)	-0.14	6-7	>999	240	MT20	220/195
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.59	Vert(TL)	-0.36	6-7	>490	180		
TCDL 7.0	Lumber DOL 1.15	WB 0.19	Horz(TL)	0.02	4	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	(Matrix)							
BCDL 8.0	Code IBC2012/TPI2007								
								Weight: 62 lb	FT = 0%

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

BRACING-
TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 5-1-10 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.

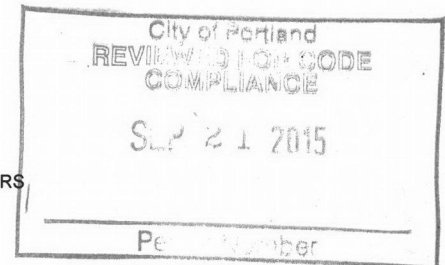
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=662/0-3-8, 4=662/0-3-8
Max Horz 2=39(LC 9)
Max Uplift 2=28(LC 10), 4=28(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-1059/0, 3-8=-877/0, 3-9=-877/0, 4-9=-1059/0
BOT CHORD 2-7=0/852, 6-7=-13/628, 4-6=0/852
WEBS 3-7=0/469, 3-6=0/469

NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct= 1
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) 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 with a clearance greater than 3-6-0 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) 2, 4.



EXPIRES: 06/30/2017
September 2, 2015

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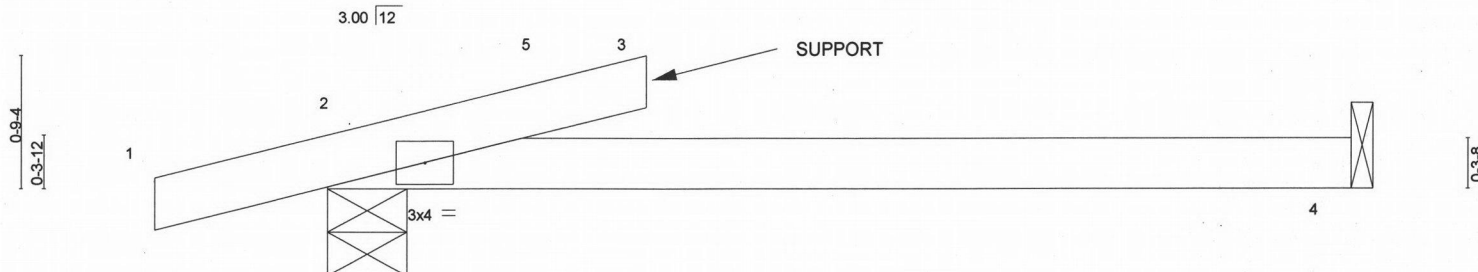
Job 15-DD3902	Truss J01	Truss Type JACK-OPEN	Qty 2	Ply 1	Murry Residence R45327084
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PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015

Job Reference (optional)
7.630 s Jul 28 2015 MiTek Industries, Inc. Wed Sep 02 12:19:32 2015 Page 1
ID:6icRxLONyikZFB2qqZA6TBylykm-VnWzIKzAF?sd_IC_Jy2ffmzqbSjgS6VhU_fgl2yheev



Scale = 1:13.3



LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.25	Vert(LL)	-0.05	2-4	>999	240	MT20	220/195	
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.31	Vert(TL)	-0.12	2-4	>555	180			
TCDL	7.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00		n/a	n/a			
BCLL	0.0 *	Code IBC2012/TPI2007		(Matrix)									
BCDL	8.0										Weight: 12 lb	FT = 0%	

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2

BRACING-
TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 5-11-4 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.

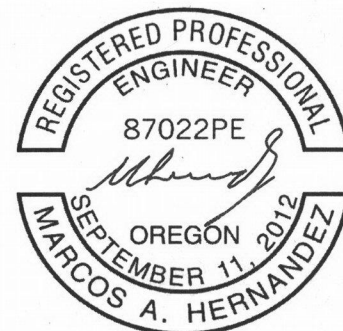
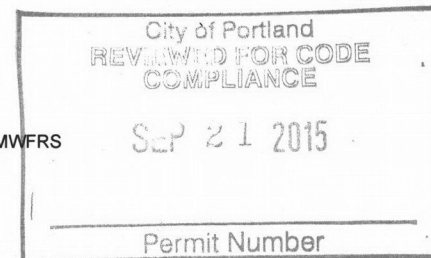
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=221/0-5-8, 4=51/Mechanical
Max Horz 2=24(LC 6)
Max Uplift 2=42(LC 6)
Max Grav 2=359(LC 14), 4=103(LC 5)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct= 1
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.



EXPIRES: 06/30/2017
September 2, 2015

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PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015 7.630 s Jul 28 2015 MiTek Industries, Inc. Wed Sep 02 12:19:33 2015 Page 1

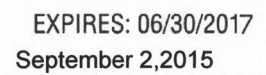
Scale = 1:13.3

LUMBER-	
TOP CHORD 2x4 DF No.2	
BOT CHORD 2x4 DF No.2	
BRACING-	
TOP CHORD	Structural wood sheathing directly applied or 5-11-4 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=100/Mechanical, 2=251/0-5-8, 4=45/Mechanical
Max Horz 2=30(LC 6)
Max Uplift 3=27(LC 10), 2=33(LC 6)
Max Grav 3=111(LC 15), 2=255(LC 15), 4=102(LC 5)

NOTES.

City of Portland
REVIEWED FOR CODE
COMPLIANCE
SEP 21 2015
MWFRS
Permit Number



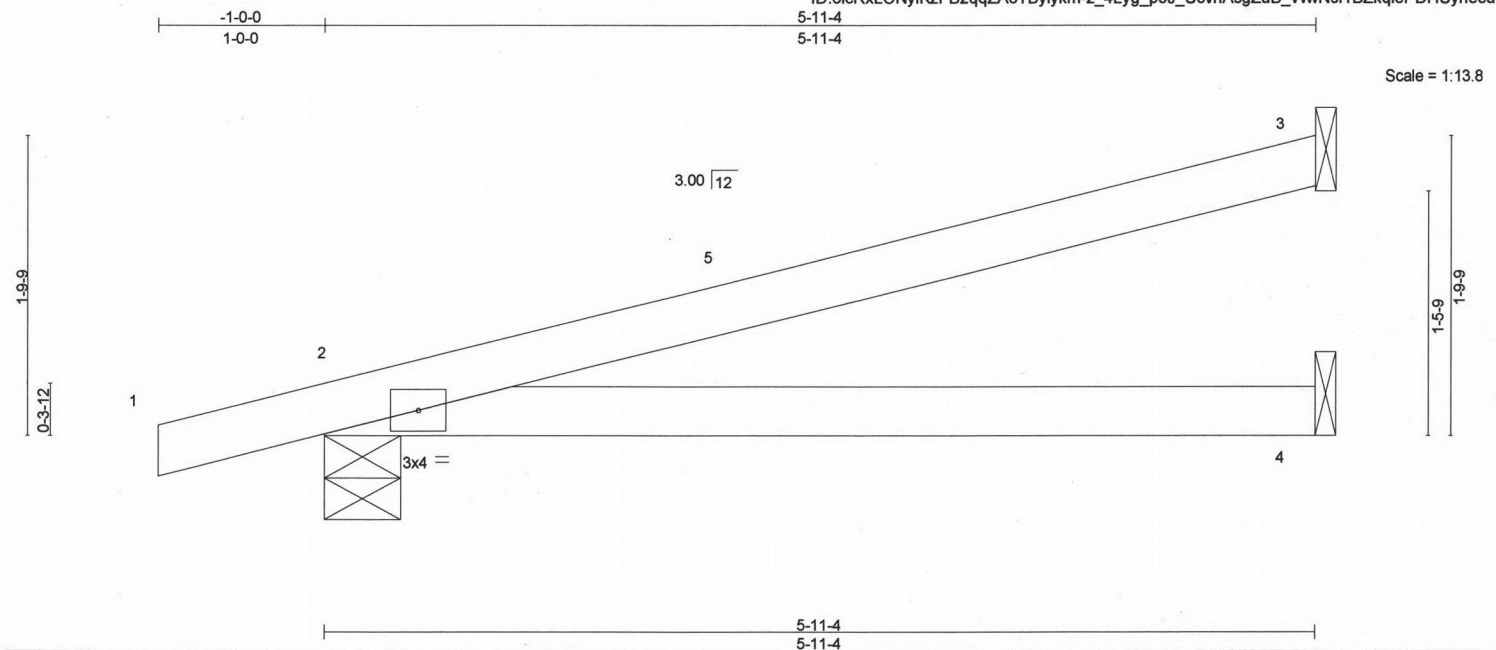
Mil
MiTek
7777 Greenback Lane
Suite 109
Citrus Heights, CA 95610

Job 15-DD3902	Truss J03	Truss Type MONOPITCH	Qty 8	Ply 1	Murry Residence R45327086
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PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015

Job Reference (optional)
7.630 s Jul 28 2015 MiTek Industries, Inc. Wed Sep 02 12:19:33 2015 Page 1

ID:6icRxLONyiKzFB2qqZA6TBylykm-z_4Lyg_p0J_UcvnAsgZuB_VWwNsf1BZkqiePDHUYheeu



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15	TC 0.57	in (loc) l/defl L/d	MT20	220/195
TCDL 7.0	Lumber DOL 1.15	BC 0.30	Vert(LL) -0.05 2-4 >999 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Vert(TL) -0.12 2-4 >578 180		
BCDL 8.0	Code IBC2012/TPI2007	(Matrix)	Horz(TL) -0.00 3 n/a n/a		
				Weight: 18 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2

BRACING-
TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 5-11-4 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) 3=172/Mechanical, 2=313/0-5-8, 4=45/Mechanical
Max Horz 2=42(LC 6)
Max Uplift 3=44(LC 10), 2=44(LC 6)
Max Grav 3=200(LC 15), 2=325(LC 15), 4=102(LC 5)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct= 1
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.

City of Portland
REVIEWED FOR CODE
COMPLIANCE

SEP 21 2015

Permit Number



EXPIRES: 06/30/2017
September 2, 2015

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7777 Greenback Lane
Suite 109
Citrus Heights, CA 95610

Job 15-DD3902	Truss J04	Truss Type Roof Special	Qty 2	Ply 1	Murry Residence R45327087
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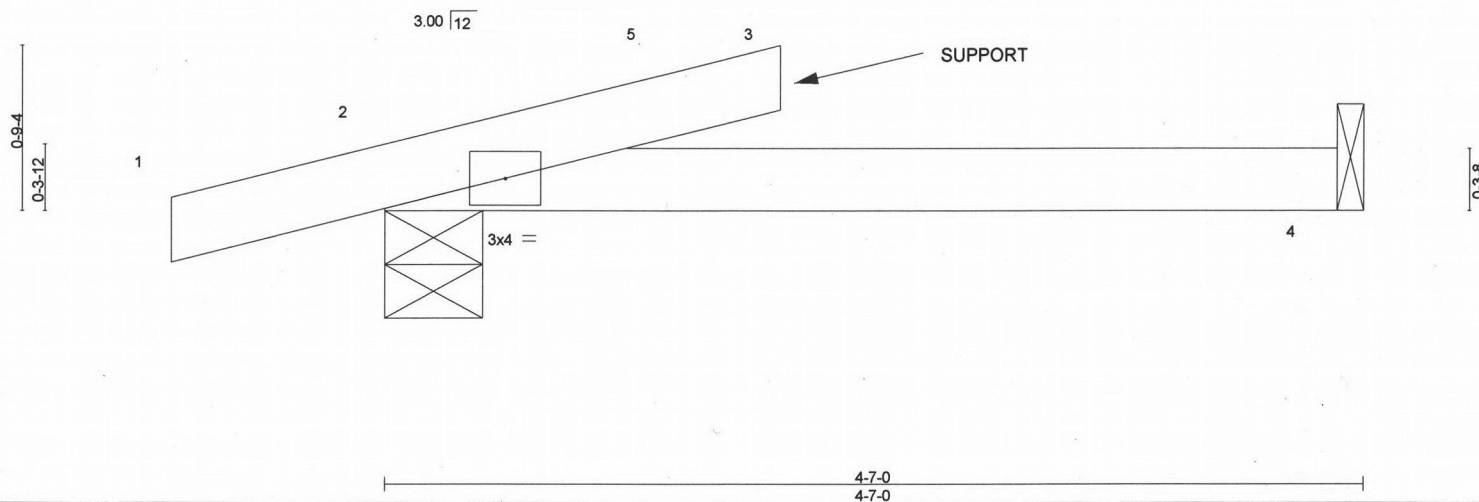
PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015

7.630 s Jul 28 2015 MiTek Industries, Inc. Wed Sep 02 12:19:34 2015 Page 1

ID:6icRxLONyikZFB2qqZA6TBylykm-SAejA0?Rnd6LD3MNQN47kB298G?jw0_zxl8nqxyheet



Scale = 1:10.8



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	25.0	Plate Grip DOL	2-0-0	TC	0.31	in (loc)	l/defl	L/d	MT20	220/195	
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.27	Vert(LL)	-0.03	2-4	>999	240	
TCDL	7.0	Rep Stress Incr	YES	WB	0.00	Vert(TL)	-0.05	2-4	>965	180	
BCLL	0.0 *	Code IBC2012/TPI2007		(Matrix)		Horz(TL)	0.00	n/a	n/a		
BCDL	8.0										
									Weight: 10 lb	FT = 0%	

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2

BRACING-
TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 1-10-3 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.

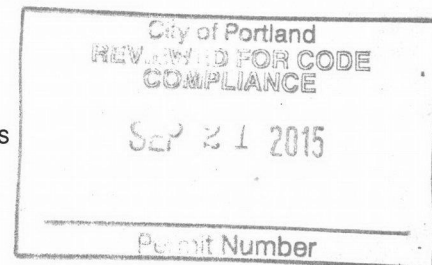
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=201/0-5-8, 4=51/Mechanical
Max Horz 2=24(LC 6)
Max Uplift 2=45(LC 6)
Max Grav 2=331(LC 14), 4=82(LC 5)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct= 1
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.



EXPIRES: 06/30/2017
September 2, 2015

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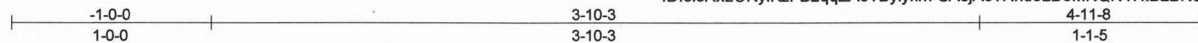
7777 Greenback Lane
Suite 109
Citrus Heights, CA 95610

Job	Truss	Truss Type	Qty	Ply	Murry Residence	
15-DD3902	J05	JACK-OPEN	2	1		R45327088

PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015

7.630 s Jul 28 2015 MiTek Industries, Inc. Wed Sep 02 12:19:34 2015 Page 1

ID:6icRxLONyikZFB2qqZA6TBylykm-SAejA0?Rnd6LD3MNQN47kB2BKG0rw0_zxl8nqxyheet



Scale = 1:11.5

LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.02 2-4 >999 240	MT20		220/195	
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.20	Vert(TL)	-0.05 2-4 >999 180				
TCDL	7.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00 3 n/a n/a				
BCLL	0.0 *	Code IBC2012/TPI2007		(Matrix)							
BCDL	8.0										

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2

BRACING-
TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 4-11-8 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) 3=100/Mechanical, 2=243/0-5-8, 4=37/Mechanical
Max Horz 2=30(LC 6)
Max Uplift 3=-27(LC 10), 2=-37(LC 6)
Max Grav 3=111(LC 15), 2=248(LC 15), 4=84(LC 5)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct= 1
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.

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SEP 21 2015

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MiTek

7777 Greenback Lane
Suite 109
Citrus Heights, CA 95610

Job 15-DD3902	Truss J06	Truss Type ROOF SPECIAL	Qty 5	Ply 1	Murry Residence	R45327089
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PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015

7.630 s Jul 28 2015 MiTek Industries, Inc. Wed Sep 02 12:19:35 2015 Page 1

ID:6icRxLONyikZFB2qqZA6TBylykm-wMC5NL03YwEBRdxZ_5bMHPbJvgMyfTE7AyuKMNyhees

4-11-8

4-11-8

Scale: 1"=1'

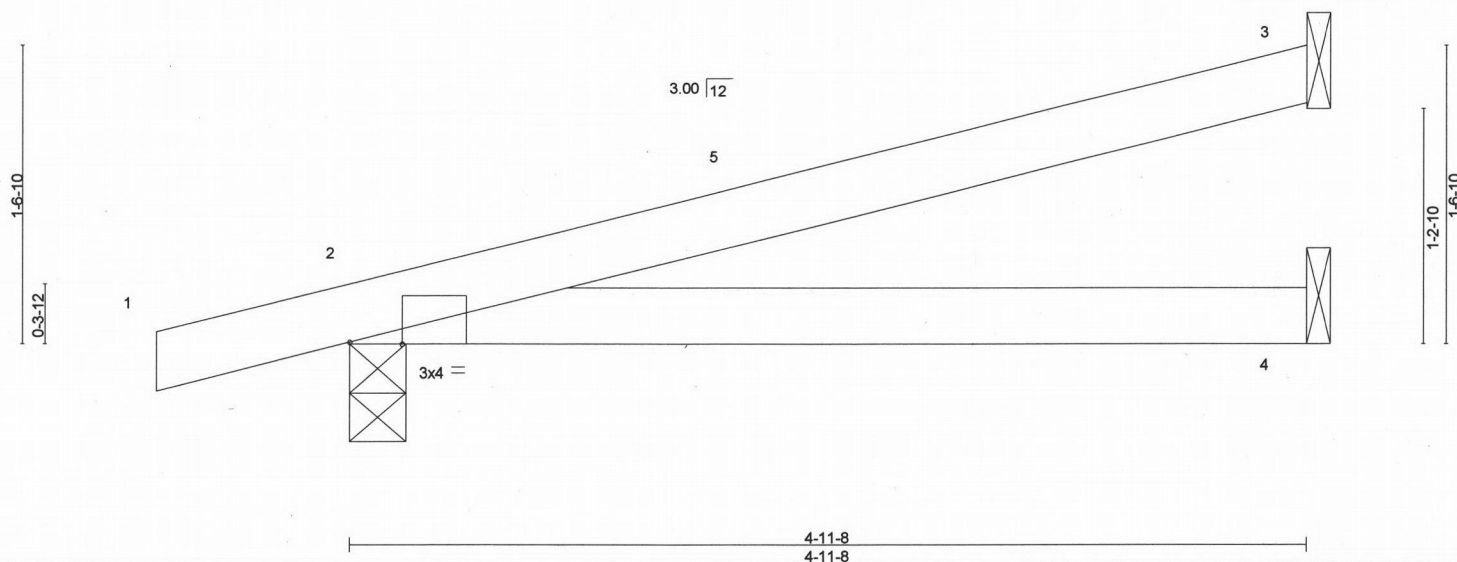


Plate Offsets (X,Y)-- [2:0-3-4,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.38	Vert(LL)	-0.03	2-4	>999	MT20	220/195
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.20	Vert(TL)	-0.06	2-4	>970		
TCDL 7.0	Lumber DOL 1.15	WB 0.00	Horz(TL)	-0.00	3	n/a		
BCLL 0.0 *	Rep Stress Incr YES	(Matrix)						
BCDL 8.0	Code IBC2012/TPI2007							
							Weight: 15 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2

BRACING-

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 4-11-8 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.

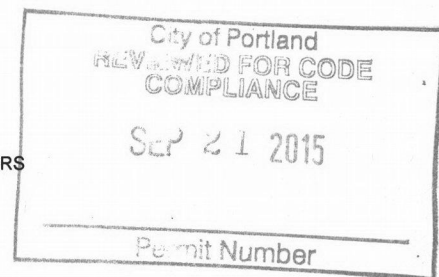
(lb/size) 3=143/Mechanical, 2=272/0-3-8, 4=38/Mechanical
Max Horz 2=36(LC 6)
Max Uplift 3=37(LC 10), 2=41(LC 6)
Max Grav 3=162(LC 15), 2=280(LC 15), 4=86(LC 5)

FORCES.

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct= 1
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.



EXPIRES: 06/30/2017
September 2, 2015

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7777 Greenback Lane
Suite 109
Citrus Heights, CA 95610

Job	Truss	Truss Type	Qty	Ply	Murry Residence
15-DD3902	JA01	Jack-Open	3	1	

R45327090

Job Reference (optional)

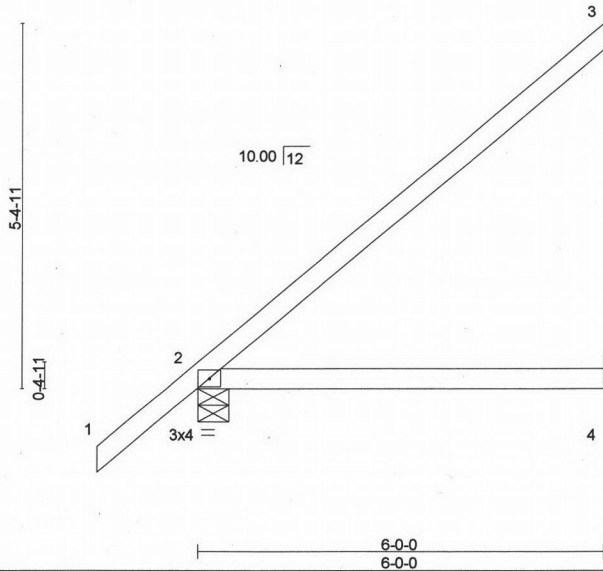
PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015

7.630 s Jul 28 2015 MiTek Industries, Inc. Wed Sep 02 12:19:36 2015 Page 1

ID:6icRxLONyikzFB2qqZA6TBylykm-OZIUbh1hIEM2TNWYyo6bpc8Sw3hdOwUGOcdtupyheer

-1-6-0 6-0-0
1-6-0 6-0-0

Scale = 1:34.0



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15	TC 0.49	in (loc) l/defl L/d	MT20	220/195
TCDL 7.0	Lumber DOL 1.15	BC 0.30	Vert(LL) -0.06 2-4 >999 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Vert(TL) -0.12 2-4 >559 180		
BCDL 8.0	Code IBC2012/TPI2007	(Matrix)	Horz(TL) -0.00 3 n/a n/a		
				Weight: 22 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2

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) 3=166/Mechanical, 2=356/0-5-8, 4=46/Mechanical

Max Horz 2=136(LC 8)

Max Uplift 3=87(LC 8)

Max Grav 3=171(LC 14), 2=356(LC 1), 4=103(LC 3)

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

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct= 1
- 3) This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.

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SEP 21 2015

Permit Number



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MiTek

7777 Greenback Lane
Suite 109
Citrus Heights, CA 95610

Job	Truss	Truss Type	Qty	Ply	Murry Residence	R45327091
15-DD3902	JS01	Jack-Open	4	1		

PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015

Job Reference (optional)
7.630 s Jul 28 2015 MiTek Industries, Inc. Wed Sep 02 12:19:36 2015 Page 1
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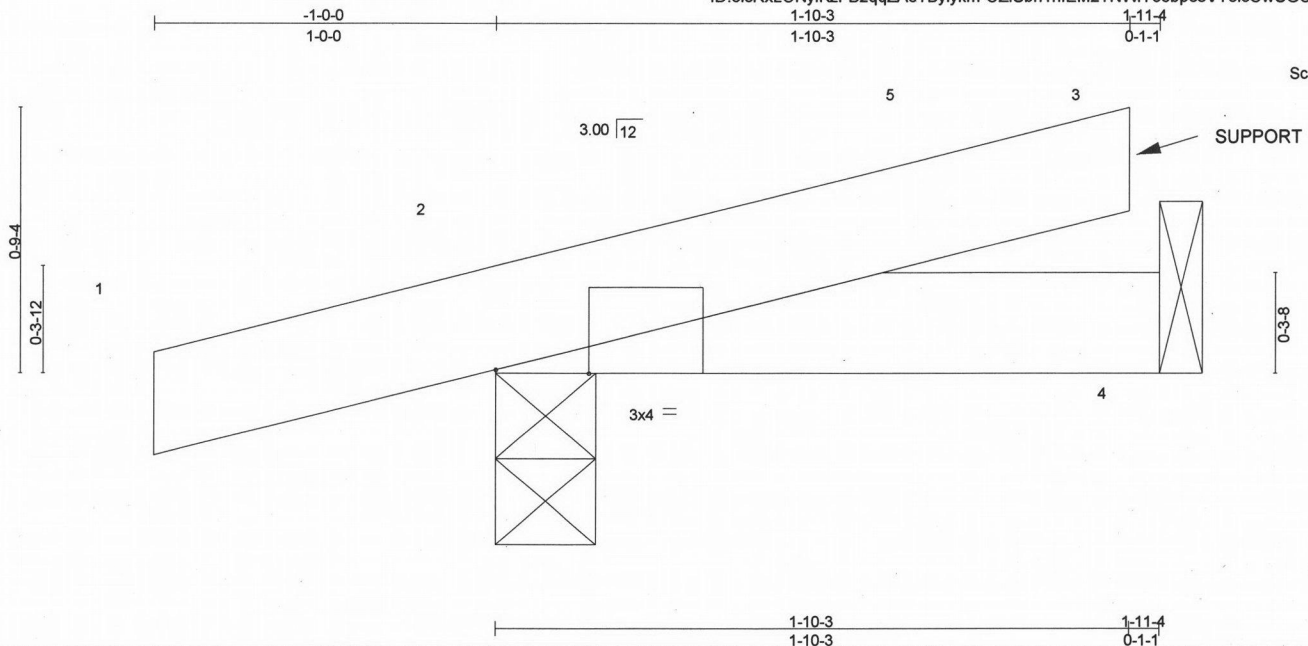


Plate Offsets (X,Y)-- [2:0-3-4,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.32	Vert(LL)	-0.01	2-4	>999	MT20	220/195
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.24	Vert(TL)	-0.01	2-4	>999		
TCDL 7.0	Lumber DOL 1.15	WB 0.00	Horz(TL)	0.00	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	(Matrix)						
BCDL 8.0	Code IBC2012/TPI2007							

Weight: 7 lb FT = 0%

LUMBER-

TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2

BRACING-

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 1-11-4 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) 2=159/0-3-8, 4=53/Mechanical
Max Horz 2=24(LC 6)
Max Uplift 2=-47(LC 6), 4=-8(LC 6)
Max Grav 2=272(LC 14), 4=83(LC 14)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct= 1
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.

City of Portland
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SEP 21 2015

Permit Number



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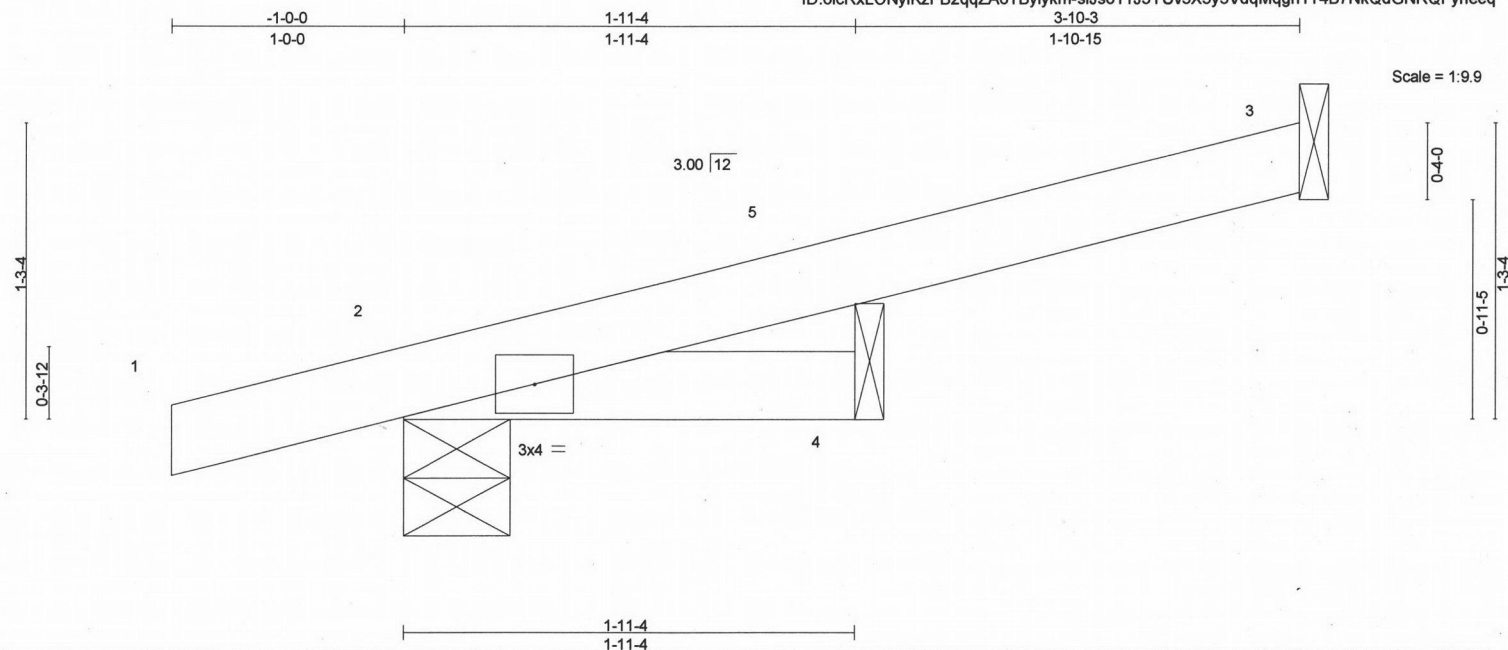
7777 Greenback Lane
Suite 109
Citrus Heights, CA 95610

Job	Truss	Truss Type	Qty	Ply	Murry Residence	
15-DD3902	JS02	Jack-Open	4	1		R45327092

PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015

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ID:6icRxLONyiKzFB2qqZA6TBylykm-slJso11J3YUv5X5y5VdqMqgh1T4B7NkQdGNRQFyheeq



LOADING (psf)	SPACING-	CSL.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15	TC 0.21	in (loc) l/defl L/d	MT20	220/195
TCDL 7.0	Lumber DOL 1.15	BC 0.03	Vert(LL) -0.00 2 >999 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Vert(TL) -0.00 2-4 >999 180		
BCDL 8.0	Code IBC2012/TPI2007	(Matrix)	Horz(TL) -0.00 3 n/a n/a		
				Weight: 9 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2

BRACING-
TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 1-11-4 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.

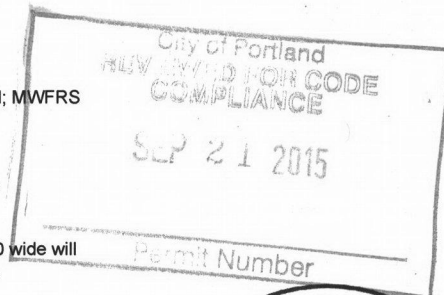
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 3=110/Mechanical, 2=211/0-5-8, 4=15/Mechanical
Max Horz 2=30(LC 6)
Max Uplift 3=-28(LC 10), 2=-46(LC 6)
Max Grav 3=121(LC 15), 2=215(LC 15), 4=34(LC 5)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct= 1
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.



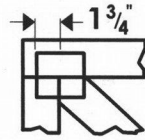
EXPIRES: 06/30/2017
September 2, 2015

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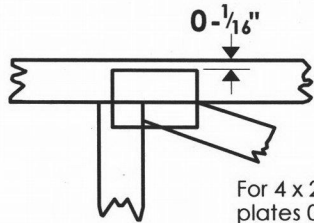
MiTek
7777 Greenback Lane
Suite 109
Citrus Heights, CA 95610

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.

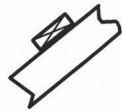
* Plate location details available in MiTek 20/20 software or upon request.

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



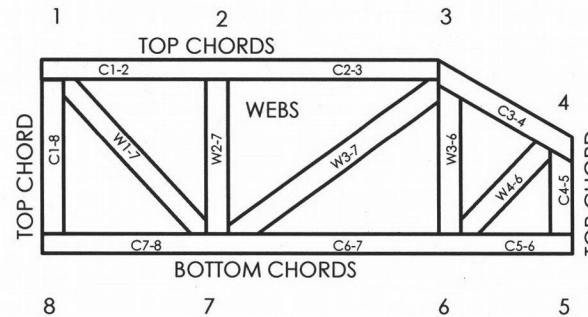
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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

6-4-8 dimensions shown in ft-in-sixteenths (Drawings not to scale)



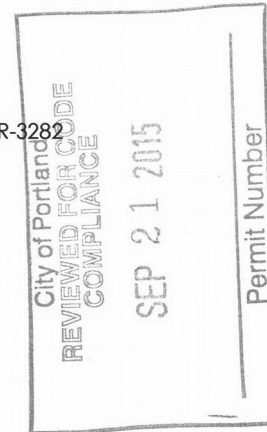
JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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



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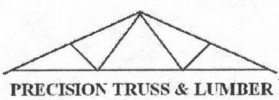
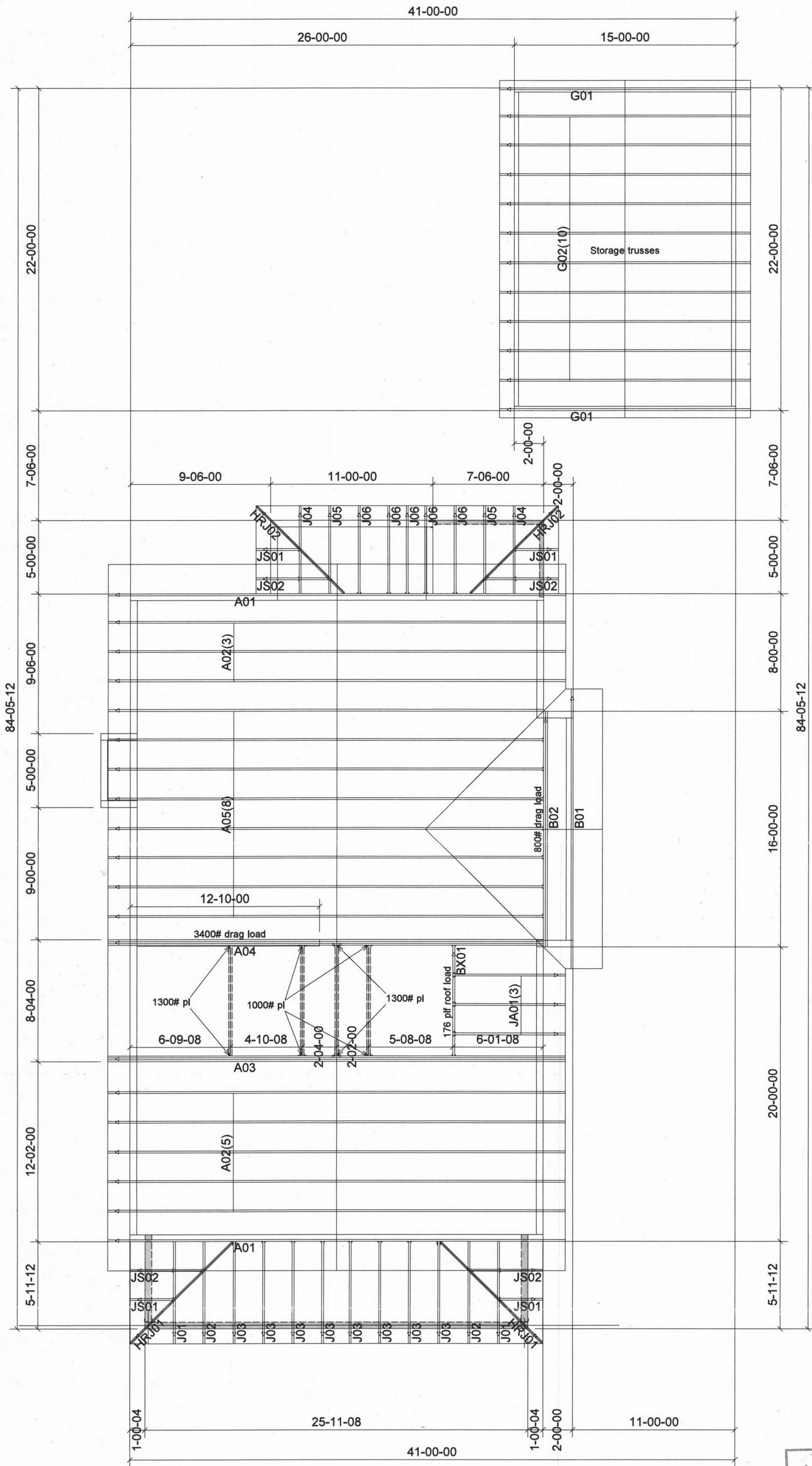
MiTek Engineering Reference Sheet: MII-7473 rev. 02/16/2015



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.



PRECISION TRUSS & LUMBER
11550 SE Jennifer St
Clackamas, OR 97015
(503) 656-2983
(503) 656-2647

Client: Murry Residence

Plan : [???

Sales : Dave Droz

Site : Murry Residence

Quote #:

15-DD3902

Order #: [???

Lot : [???

Permit Number

SEP 21 2015

City of Portland
REVIEWED FOR CODE
COMPLIANCE

15-213226/36 DFS 01

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