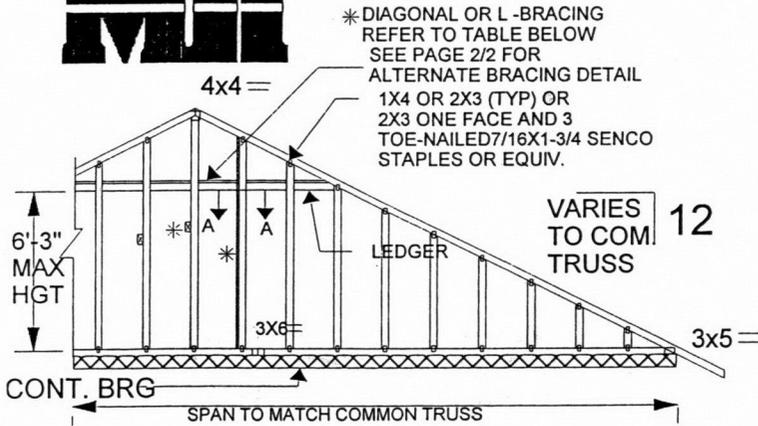


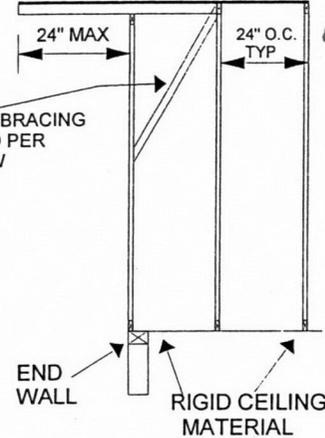
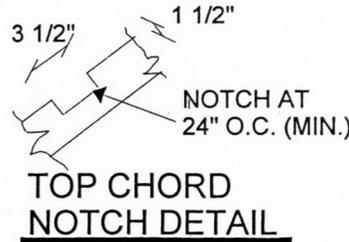
MiTek Industries, Inc.  
Western Division



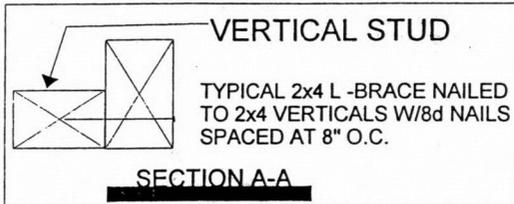
\* DIAGONAL OR L-BRACING REFER TO TABLE BELOW SEE PAGE 2/2 FOR ALTERNATE BRACING DETAIL  
1X4 OR 2X3 (TYP) OR 2X3 ONE FACE AND 3 TOE-NAILED 7/16X1-3/4 Senco STAPLES OR EQUIV.

SHEATHING (BY OTHERS)

2X4 LATERAL BRACING AS REQUIRED PER TABLE BELOW



**DETAIL A**



**LATERAL BRACING NAILING SCHEDULE**

VERT. HEIGHT	# OF NAILS AT END
UP TO 7'-0"	2 - 16d
7'-0" - 8'-6"	3 - 16d
OVER 8'-6"	4 - 16d

LOADING(psf)	SPACING	
TCLL 25.0	Plates Increase	2-0-0 1.15
TCDL 7.0	Lumber Increase	1.15
BCLL 0.0	Rep Stress Incr	YES
BCDL 10.0	Code	ASCE 7-05

**LUMBER**  
 TOP CHORD 2 X 4 DFL/SPF/HF - No.2  
 BOT CHORD 2 X 4 DFL/SPF/HF - STUD/STD  
 OTHERS 2 X 4 DFL/SPF/HF - STUD/STD

**MAXIMUM VERTICAL STUD HEIGHT**

SPACING OF VERTICALS	WITHOUT BRACE	WITH LATERAL BRACE	WITH L - BRACE
12 INCH O.C.	5-10-0	11-8-0	8-10-0
16 INCH O.C.	5-0-0	10-0-0	7-8-0
24 INCH O.C.	4-1-0	8-2-0	6-4-0

**NOTES**

- 1) VERT. STUDS HAVE BEEN CHECKED FOR 110 MPH WIND EXP. C, HEIGHT 30 FT
- 2) CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL TO BE PROVIDED BY PROJECT ENGINEER OR ARCHITECT.
- 3) FURNISH COPY OF THIS DRAWING TO CONTRACTOR FOR BRACING INSTALLATION.
- 4) BRACING SHOWN IS FOR INDIVIDUAL TRUSS ONLY. CONSULT BLDG. ARCHITECT OR ENGINEER FOR TEMPORARY AND PERMANENT BRACING OF ROOF SYSTEM.
- 5) DETAIL A (SHOWN ABOVE) APPLIES TO STRUCTURAL GABLE ENDS AND TO GABLE ENDS WITH A MAX. VERT. STUD HEIGHT OF 8'-6"

**TOP CHORD NOTCHING NOTES**

- 1) THE GABLE MUST BE FULLY SHEATHED W/RIGID MATERIAL ON ONE FACE BEFORE NOTCHING IF STUDS ARE TO BE SPACED AT 24" O.C. ATTACH SCAB (EQUAL OR GREATER TO THE TRUSS T.C.) TO ONE FACE OF THE TOP CHORD WITH 10D NAILS SPACED AT 6" O.C. IF STUDS ARE SPACED AT 24" O.C. AND FACE OF TRUSS IS NOT FULLY SHEATHED.
- 2) NO LUMBER DEFECTS ALLOWED AT OR ABOUT NOTCHES.
- 3) LUMBER MUST MEET OR EXCEED VISUAL GRADE #2 LUMBER AFTER NOTCHING.
- 4) NO NOTCHING IS PERMITTED WITHIN 2X THE OVERHANG LENGTH.

Continued on page 2



SEP 07 2010

EXPIRATION DATE 08-30-12

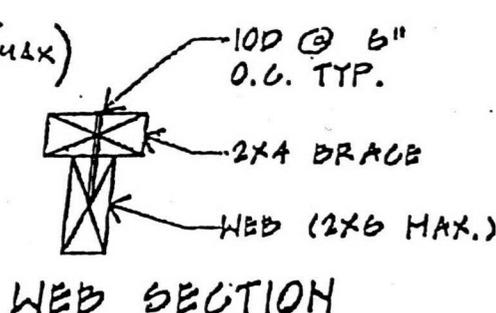
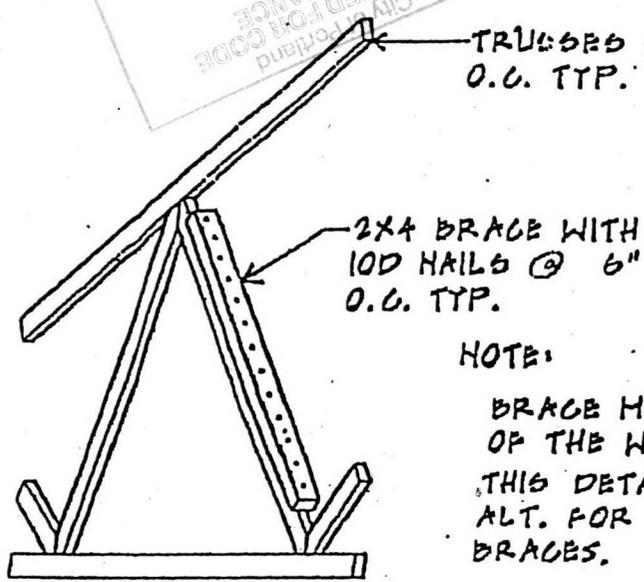
**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.**  
 Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and 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, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

7777 Greenback Lane  
Suite 109  
Citrus Heights, CA, 95610



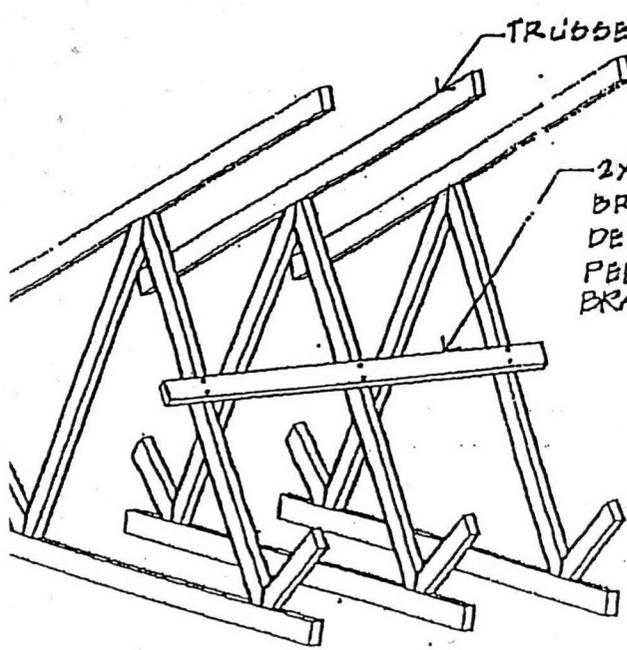
2  
12-18-2010 DS 01 PS

Permit Number  
 JAN 03 1993  
 REVIEWED FOR CODE COMPLIANCE  
 CHY  
 DURHAM



**NOTE:**  
 BRACE MUST BE 80% THE LENGTH OF THE WEB.  
 THIS DETAIL IS TO BE USED AS AN ALT. FOR ONE OR TWO CONT. LATERAL BRACES.

**ALT. LATERAL BRACE DETAIL**



**NOTE:**  
 RESTRAINT REQUIRED AT EACH END OF BRACE AND AT 20'-0" INTERVALS.

REFER TO HIB-91 SUMMARY SHEET FOR RECOMMENDATIONS OF THE TRUSS PLATE INSTITUTE.  
 RESTRAINT MAY BE PROVIDED BY TERMINATING LINE OF BRACE AT ROOF DIAPHRAGM OR CEILING DIAPHRAGM.

**LATERAL BRACING DETAIL**

Verify design parameters and READ NOTES ON THIS AND REVERSE SIDE BEFORE USE. only with MITek connectors. This design is based only upon parameters shown, and is for an In-Stock...

<b>Precision Truss &amp; Lumber, Inc.</b> 11550 SE Jennifer St. Clackamas, OR 97015 (503) 656-2983 Fax: (503) 656-2647		To:  <b>SCHWARTZ RES.</b>		<b>Delivery - ORDER</b>	
Project: Schwartz Res. Contact: LEE				Job Number: <b>11296</b> Page: 1 Date: 11/15/12 15:46:27	
503-449-8818		Deliver To: SCHWARTZ RES. 3115 NE DUNKLEY ST. PORTLAND, OR 97212		Account No: 000001003 Designer: Salesperson: Dave Droz Quote Number: DD-09098 P.O. Number:	
Name: Phone: Fax:					
Tentative Delivery Date: <b>11/21/12</b>					

Profile:	Qty:	Span:	Top Pit. Height Bot. Pit.	Truss Type:	Truss Id:	LOH	ROH
	1	33-00-12 2 x 4 / 2 x 4	5.00 08-00-07	Common Truss	A01	02-00-00	02-00-00
	10	33-00-12 2 x 4 / 2 x 4	5.00 08-00-07 2.50	VAULTED	A03	02-00-00	02-00-00
	6	33-00-12 2 x 4 / 2 x 4	5.00 08-00-07	MOD. QUEEN	A02	02-00-00	02-00-00
	1	33-00-12 2 x 4 / 2 x 4	5.00 08-00-07	Common Truss	A01	02-00-00	02-00-00

TRUSSES 18

Miscellaneous Items

Quantity: Description:

16	2 X 4 SOLID BLOCKS	
16	2X4 VENT BLOCKS - DRILLED	
16	2 X 10 SOLID BLOCKS	
16	2X10 VENT BLOCKS-DRILLED	Drill at top of block - 3, 2" holes
32	RT7A	

Delivery Date: _____	Delivered by: _____	Verify Address: _____	Received by: _____
Unloading Time: <b>45</b> mins.	C.O.D. Amt. Due _____	Plus Additional Crane Time _____	
# Flag Cars _____			
Time In: _____	Time Out: _____	Standby Time: _____ Hrs. _____ Mins.	
Roof Print <input type="checkbox"/> Bracing Info <input checked="" type="checkbox"/>			
FOR ADDITIONAL CRANE TIME, BAD ENTRIES, OR POOR SITE CONDITIONS:			
Top plate delivery is at the discretion of our driver. He must be able to enter and exit without assistance Contractor must assume responsibility and cost (of tow truck and crane standby time) if assistance is needed, and of any damage to property. If truck is unable to enter, trusses will be ground dropped as close to job site as possible. Additional crane time will be charged at \$120.00 per hour. Contractor or representative understands and agrees to these terms.			
Signature _____			

Job 11296	Truss A01	Truss Type Common Truss	Qty 2	Ply 1	Schwartz Res. Job Reference (optional)
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PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015, WTM

7.250 s May 11 2011 MiTek Industries, Inc. Thu Nov 15 15:22:06 2012 Page 1  
ID:srd6iSHuH\_Mwr7c3zoYrtdyJBY2-Xw449LKhcJf85Um0xRCDVQluVdL1PaDCtW96rylt3V



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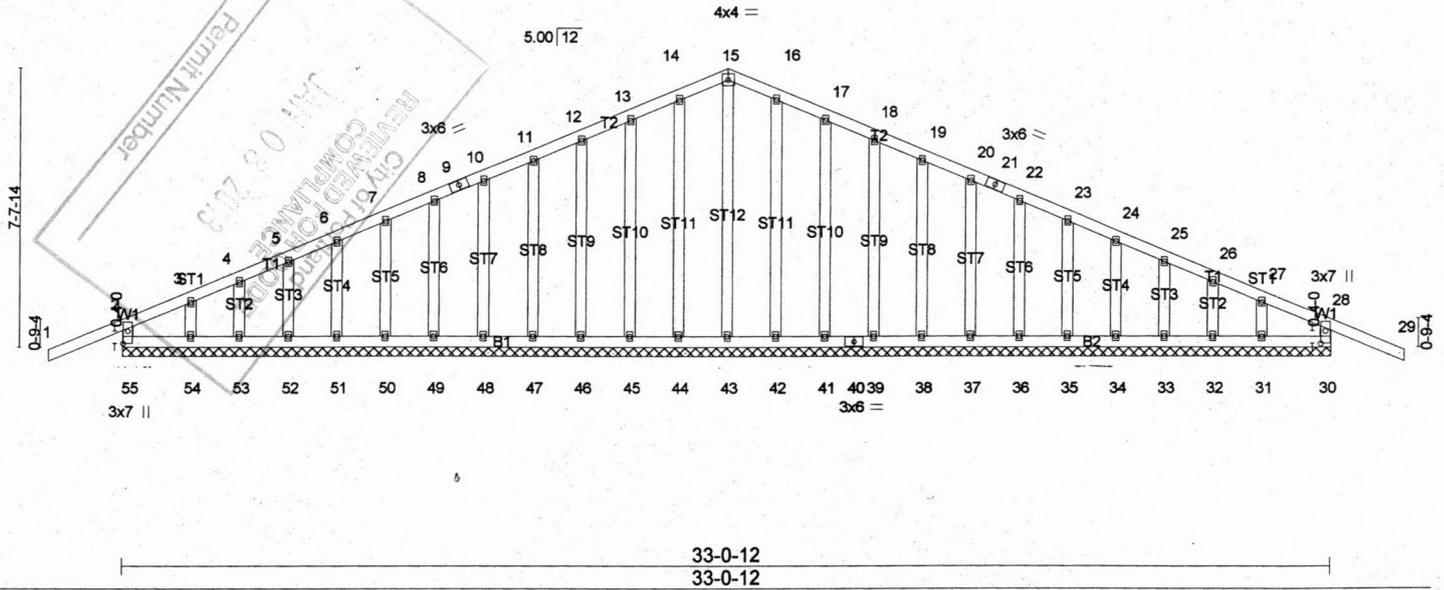


Plate Offsets (X,Y): [28-0-4-0,0-1-8], [55-0-4-0,0-1-8]					
<b>LOADING (psf)</b>	<b>SPACING</b> 2-0-0	<b>CSI</b>	<b>DEFL</b> in (loc) l/defl L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 25.0	Plates Increase 1.15	TC 0.37	Vert(LL) -0.04 29 n/r 120	MT20	220/195
TCDL 7.0	Lumber Increase 1.15	BC 0.03	Vert(TL) -0.06 29 n/r 90		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.11	Horz(TL) 0.01 30 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007	(Matrix)			
				Weight: 222 lb	FT = 0%

<b>LUMBER</b>	<b>BRACING</b>
TOP CHORD 2 x 4 DF No.1&Btr G	TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins, except end verticals.
BOT CHORD 2 x 4 DF No.1&Btr G	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2 x 4 DF Std G	
OTHERS 2 x 4 DF Std G	

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

**REACTIONS (lb/size)** 55=268/33-0-12 (min. 0-3-4), 30=268/33-0-12 (min. 0-3-4), 43=138/33-0-12 (min. 0-3-4), 44=120/33-0-12 (min. 0-3-4), 45=110/33-0-12 (min. 0-3-4), 46=112/33-0-12 (min. 0-3-4), 47=112/33-0-12 (min. 0-3-4), 48=112/33-0-12 (min. 0-3-4), 49=112/33-0-12 (min. 0-3-4), 50=112/33-0-12 (min. 0-3-4), 51=113/33-0-12 (min. 0-3-4), 52=107/33-0-12 (min. 0-3-4), 53=137/33-0-12 (min. 0-3-4), 54=29/33-0-12 (min. 0-3-4), 42=120/33-0-12 (min. 0-3-4), 41=110/33-0-12 (min. 0-3-4), 39=112/33-0-12 (min. 0-3-4), 38=112/33-0-12 (min. 0-3-4), 37=112/33-0-12 (min. 0-3-4), 36=112/33-0-12 (min. 0-3-4), 35=112/33-0-12 (min. 0-3-4), 34=113/33-0-12 (min. 0-3-4), 33=107/33-0-12 (min. 0-3-4), 32=137/33-0-12 (min. 0-3-4), 31=29/33-0-12 (min. 0-3-4)  
 Max Horz 55=-132(LC 6)  
 Max Uplift 55=-130(LC 5), 30=-159(LC 6), 44=-30(LC 5), 45=-52(LC 5), 46=-45(LC 5), 47=-45(LC 5), 48=-45(LC 5), 49=-45(LC 5), 50=-45(LC 5), 51=-46(LC 5), 52=-44(LC 5), 53=-56(LC 5), 54=-21(LC 4), 42=-26(LC 6), 41=-53(LC 6), 39=-45(LC 6), 38=-45(LC 6), 37=-45(LC 6), 36=-45(LC 6), 35=-45(LC 6), 34=-46(LC 6), 33=-42(LC 6), 32=-62(LC 6), 31=-24(LC 3)  
 Max Grav 55=283(LC 9), 30=283(LC 10), 43=138(LC 1), 44=120(LC 1), 45=112(LC 1), 46=112(LC 1), 47=112(LC 1), 48=112(LC 9), 49=112(LC 9), 50=112(LC 1), 51=113(LC 9), 52=107(LC 1), 53=141(LC 9), 54=70(LC 2), 42=120(LC 1), 41=112(LC 10), 39=112(LC 1), 38=112(LC 1), 37=112(LC 10), 36=112(LC 10), 35=112(LC 1), 34=113(LC 10), 33=107(LC 1), 32=141(LC 10), 31=70(LC 2)

**FORCES (lb) - Maximum Compression/Maximum Tension**  
**TOP CHORD** 2-55=252/148, 1-2=0/53, 2-3=110/46, 3-4=98/73, 4-5=65/65, 5-6=38/77, 6-7=10/97, 7-8=0/116, 8-9=0/134, 9-10=0/136, 10-11=0/155, 11-12=0/175, 12-13=0/194, 13-14=0/216, 14-15=0/228, 15-16=0/224, 16-17=0/203, 17-18=0/173, 18-19=0/145, 19-20=0/117, 20-21=0/97, 21-22=0/95, 22-23=0/77, 23-24=0/66, 24-25=0/67, 25-26=26/65, 26-27=60/73, 27-28=68/46, 28-29=0/53, 28-30=252/171  
**BOT CHORD** 54-55=46/165, 53-54=46/165, 52-53=46/165, 51-52=46/165, 50-51=46/165, 49-50=46/165, 48-49=46/165, 47-48=46/165, 46-47=46/165, 45-46=46/165, 44-45=46/165, 43-44=46/165, 42-43=46/165, 41-42=46/165, 40-41=46/165, 39-40=46/165, 38-39=46/165, 37-38=46/165, 36-37=46/165, 35-36=46/165, 34-35=46/165, 33-34=46/165, 32-33=46/165, 31-32=46/165, 30-31=46/165  
**WEBS** 15-43=111/0, 14-44=93/46, 13-45=85/68, 12-46=85/61, 11-47=85/61, 10-48=85/61, 8-49=85/61, 7-50=85/61, 6-51=86/62, 5-52=81/59, 4-53=109/75, 3-54=13/33, 16-42=93/42, 17-41=85/69, 18-39=85/61, 19-38=85/61, 20-37=85/61, 22-36=85/61, 23-35=85/61, 24-34=86/62, 25-33=81/58, 26-32=109/78, 27-31=13/35

**JOINT STRESS INDEX**  
 2 = 0.00, 3 = 0.46, 4 = 0.46, 5 = 0.46, 6 = 0.46, 7 = 0.46, 8 = 0.46, 9 = 0.15, 10 = 0.46, 11 = 0.46, 12 = 0.46, 13 = 0.46, 14 = 0.46, 15 = 0.29, 16 = 0.46, 17 = 0.46, 18 = 0.46, 19 = 0.46, 20 = 0.46, 21 = 0.15, 22 = 0.46, 23 = 0.46, 24 = 0.46, 25 = 0.46, 26 = 0.46, 27 = 0.46, 28 = 0.71, 30 = 0.00, 31 = 0.46, 32 = 0.46, 33 = 0.46, 34 = 0.46, 35 = 0.46, 36 = 0.46, 37 = 0.46, 38 = 0.46, 39 = 0.46, 40 = 0.15, 41 = 0.46, 42 = 0.46, 43 = 0.46, 44 = 0.46, 45 = 0.46, 46 = 0.46, 47 = 0.46, 48 = 0.46, 49 = 0.46, 50 = 0.46, 51 = 0.46, 52 = 0.46, 53 = 0.46, 54 = 0.46 and 55 = 0.71

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-05; 95mph; TCDL=4.2psf; BCDL=6.Opsf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
  - 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.
  - All plates are 2x3 MT20 unless otherwise indicated.
  - Gable requires continuous bottom chord bearing.
  - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

Continued on page 2

Job 11296	Truss A01	Truss Type Common Truss	Qty 2	Ply 1	Schwartz Res. Job Reference (optional)
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PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015, WTM

7.250 s May 11 2011 MiTek Industries, Inc. Thu Nov 15 15:22:07 2012 Page 2  
ID:srd6iSHuH\_Mwr7c3zoYrtdyJBY2-77eTNhLKNcn?ieLCU9jS2dH3F1hG81TL6AbjeHyt3U

**NOTES**

- 7) Gable studs spaced at 1-4-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) A plate rating reduction of 20% has been applied for the green lumber members.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 130 lb uplift at joint 55, 159 lb uplift at joint 30, 30 lb uplift at joint 44, 52 lb uplift at joint 45, 45 lb uplift at joint 46, 45 lb uplift at joint 47, 45 lb uplift at joint 48, 45 lb uplift at joint 49, 45 lb uplift at joint 50, 46 lb uplift at joint 51, 44 lb uplift at joint 52, 56 lb uplift at joint 53, 21 lb uplift at joint 54, 26 lb uplift at joint 42, 53 lb uplift at joint 41, 45 lb uplift at joint 39, 45 lb uplift at joint 38, 45 lb uplift at joint 37, 45 lb uplift at joint 36, 45 lb uplift at joint 35, 46 lb uplift at joint 34, 42 lb uplift at joint 33, 62 lb uplift at joint 32 and 24 lb uplift at joint 31.
- 12) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 13) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

**LOAD CASE(S)** Standard

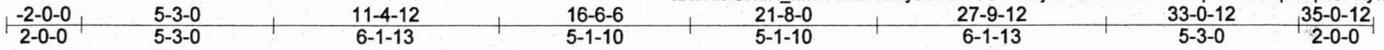


Job 11296	Truss A02	Truss Type MOD. QUEEN	Qty 6	Ply 1	Schwartz Res.
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PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015, WTM

7.250 s May 11 2011 MITek Industries, Inc. Thu Nov 15 15:22:08 2012 Page 1

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Scale: 3/16"=1'

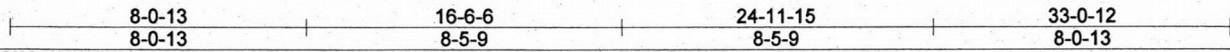
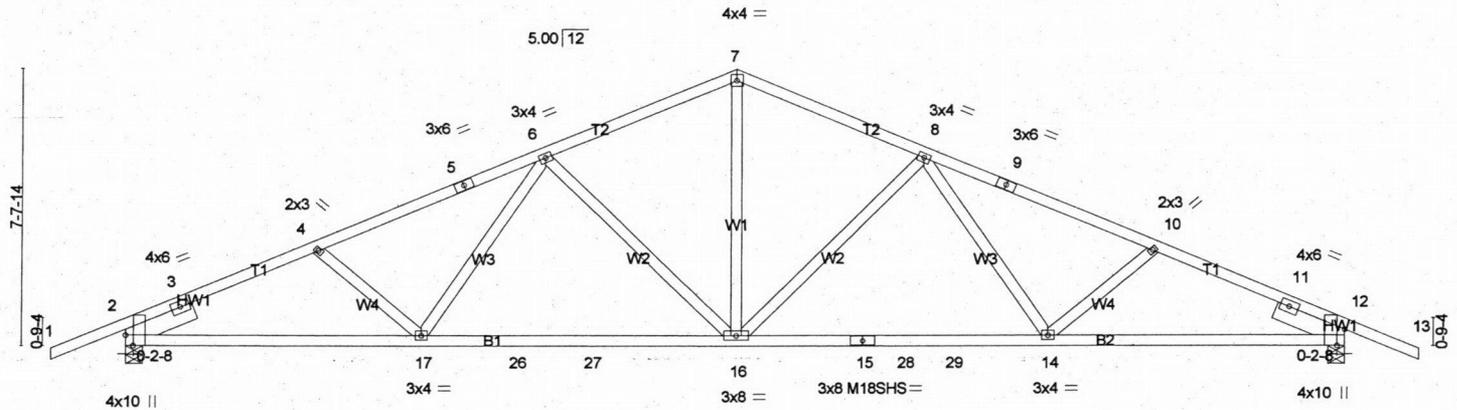


Plate Offsets (X,Y): [2:0-3-8,Edge], [12:0-5-7,Edge]				
<b>LOADING (psf)</b> TCLL 25.0 TCDL 7.0 BCLL 0.0 BCDL 10.0	<b>SPACING</b> 2-0-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr YES Code IRC2009/TPI2007	<b>CSI</b> TC 0.82 BC 0.65 WB 0.61 (Matrix-M)	<b>DEFL</b> in (loc) l/defl L/d Vert(LL) -0.27 14-16 >999 240 Vert(TL) -0.60 14-16 >666 180 Horz(TL) 0.14 12 n/a n/a	<b>PLATES GRIP</b> MT20 220/195 M18SHS 220/195 Weight: 163 lb FT = 0%

**LUMBER**  
TOP CHORD 2 x 4 DF No.1&Btr G  
BOT CHORD 2 x 4 DF No.1&Btr G  
WEBS 2 x 4 DF Std G  
SLIDER Left 2 X 6 DF No.2 -G 2-0-0, Right 2 X 6 DF No.2 -G 2-0-0

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

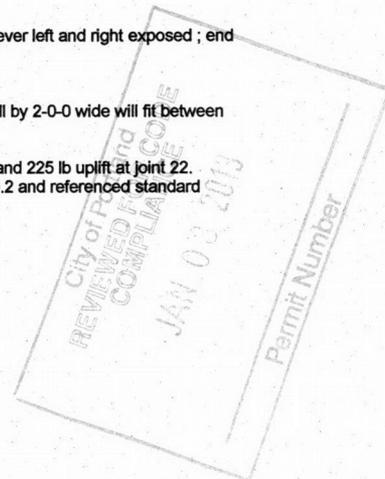
**REACTIONS (lb/size)** 2=1597/0-5-8 (min. 0-1-11), 12=1597/0-5-8 (min. 0-1-11)  
Max Horz 2=113(LC 6)  
Max Uplift 2=225(LC 5), 12=225(LC 6)

**FORCES (lb) - Maximum Compression/Maximum Tension**  
TOP CHORD 1-2=0/49, 2-3=-792/0, 3-4=-2712/257, 4-5=-2547/209, 5-6=-2462/220, 6-7=-1933/197, 7-8=-1933/197, 8-9=-2462/220, 9-10=-2547/209, 10-11=-2712/258, 11-12=-792/0, 12-13=0/49  
BOT CHORD 2-17=-255/2417, 17-26=-168/2150, 26-27=-168/2150, 16-27=-168/2150, 15-16=-83/2150, 15-28=-83/2150, 28-29=-83/2150, 14-29=-83/2150, 12-14=-142/2417  
WEBS 4-17=-183/131, 6-17=0/342, 6-16=-650/179, 7-16=-69/1173, 8-16=-650/180, 8-14=0/342, 10-14=-183/131

**JOINT STRESS INDEX**  
2 = 0.96, 2 = 0.89, 3 = 0.00, 4 = 0.46, 5 = 0.86, 6 = 0.58, 7 = 0.57, 8 = 0.58, 9 = 0.86, 10 = 0.46, 11 = 0.00, 12 = 0.96, 12 = 0.89, 14 = 0.48, 15 = 0.67, 16 = 0.62 and 17 = 0.48

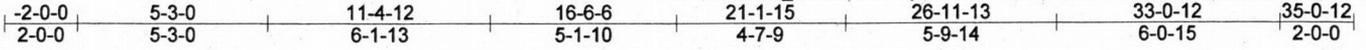
- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-05; 95mph; TC DL=4.2psf; BC DL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
  - All 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, 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 225 lb uplift at joint 18 and 225 lb uplift at joint 22.
  - This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

**LOAD CASE(S)** Standard



Job 11296	Truss A03	Truss Type VAULTED	Qty 10	Ply 1	Schwartz Res.
PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015, WTM					Job Reference (optional)

7.250 s May 11 2011 MiTek Industries, Inc. Thu Nov 15 15:22:08 2012 Page 1  
ID:srd6iSHuH\_Mwr7c3zoYrtdyJBY2-TJCra0My8wvsKowO2sEhbrq6NRqitJxVKqKGAKyIt3T



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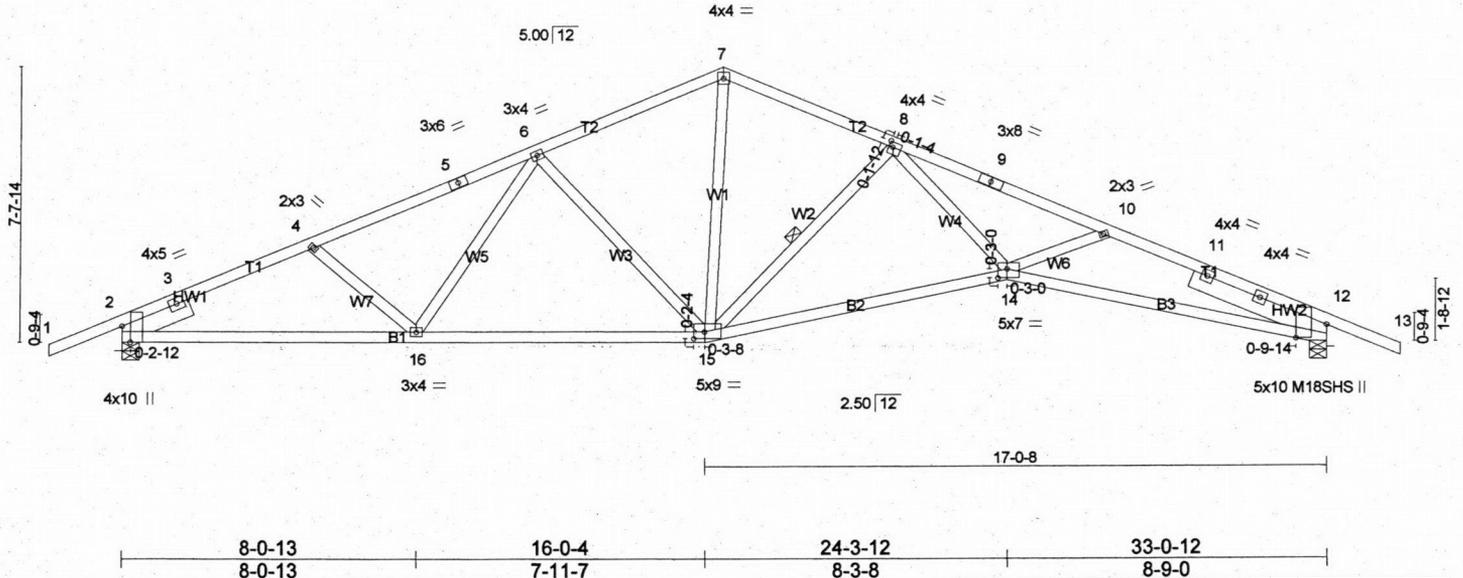


Plate Offsets (X, Y): [2:0-5-7,Edge], [8:0-1-4,0-1-12], [12:0-4-9,Edge], [14:0-3-0,0-3-0], [15:0-3-8,0-2-4]					
<b>LOADING (psf)</b>	<b>SPACING</b> 2-0-0	<b>CSI</b>	<b>DEFL</b> in (loc) /defl L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 25.0	Plates Increase 1.15	TC 0.86	Vert(LL) -0.30 14-15 >999 240	MT20	220/195
TCDL 7.0	Lumber Increase 1.15	BC 0.78	Vert(TL) -0.90 14-15 >440 180	M18SHS	220/195
BCLL 0.0 *	Rep Stress Incr YES	WB 0.80	Horz(TL) 0.29 12 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007	(Matrix-M)		Weight: 165 lb	FT = 0%

**LUMBER**  
TOP CHORD 2 x 4 DF No.1&Btr G  
BOT CHORD 2 x 4 DF No.1&Btr G  
WEBS 2 x 4 DF Std G  
SLIDER Left 2 X 6 DF No.2 -G 2-0-0, Right 2 X 6 DF No.2 -G 4-0-0

**BRACING**  
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
WEBS 1 Row at midpt 8-15

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

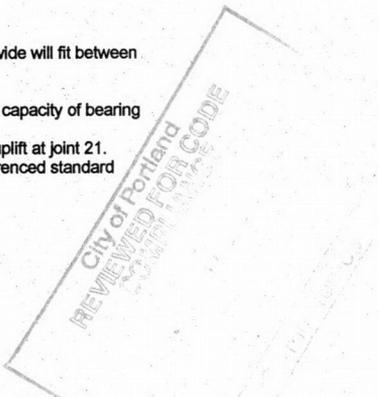
**REACTIONS (lb/size)** 2=1517/0-5-8 (min. 0-1-10), 12=1517/0-5-8 (min. 0-1-9)  
Max Horz 2=113(LC 6)  
Max Uplift 2=225(LC 5), 12=225(LC 6)

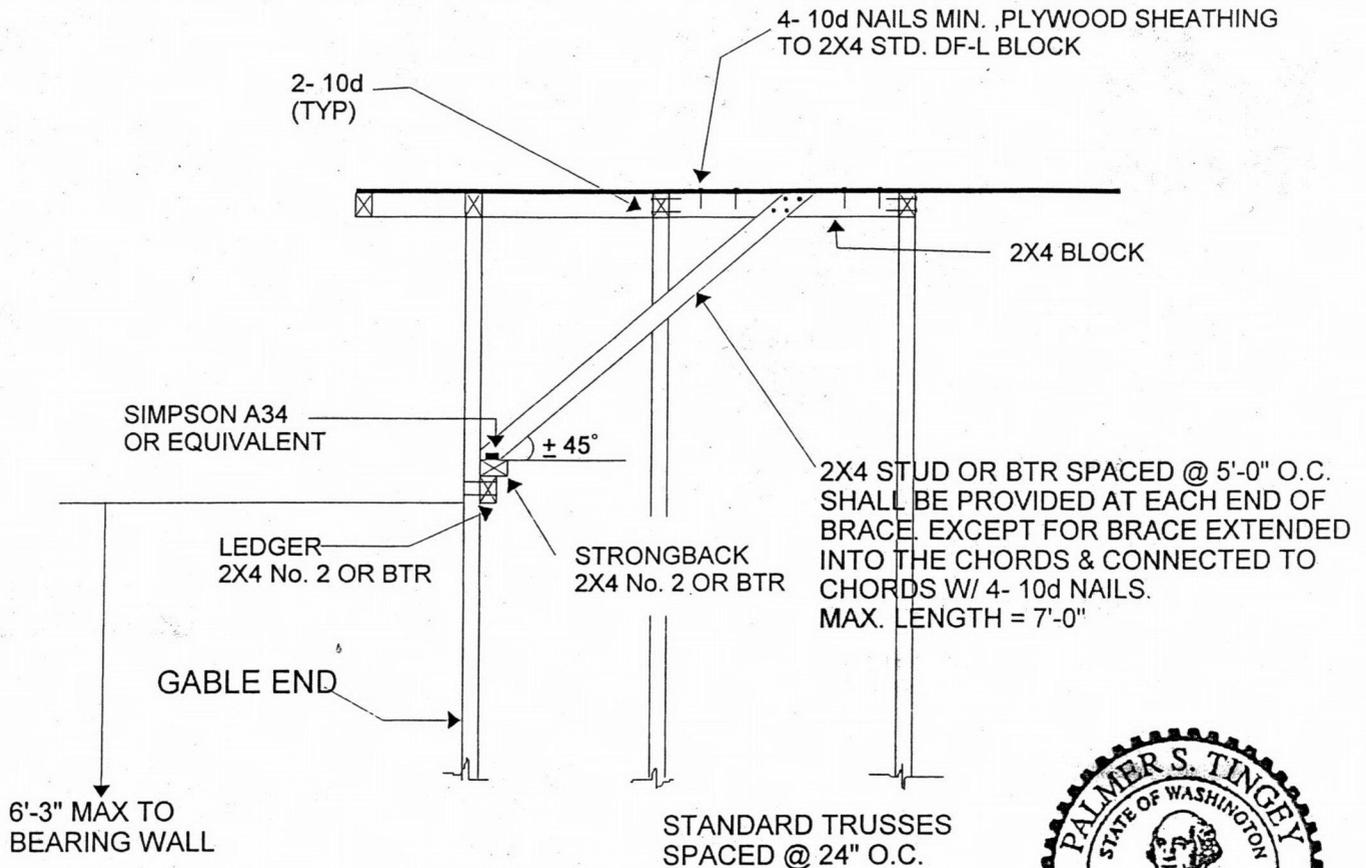
**FORCES (lb) - Maximum Compression/Maximum Tension**  
TOP CHORD 1-2=0/49, 2-3=783/0, 3-4=2533/257, 4-5=2358/209, 5-6=2273/220, 6-7=1810/201, 7-8=1724/204, 8-9=3863/266,  
9-10=3930/255, 10-11=4005/355, 11-12=848/0, 12-13=0/49  
BOT CHORD 2-16=254/2258, 15-16=168/1991, 14-15=117/2490, 12-14=234/3677  
WEBS 4-16=206/131, 6-16=0/349, 7-15=79/1071, 8-15=1311/193, 8-14=27/1801, 10-14=98/158, 6-15=615/175

**JOINT STRESS INDEX**  
2 = 0.98, 2 = 0.97, 3 = 0.00, 4 = 0.46, 5 = 0.83, 6 = 0.58, 7 = 0.52, 8 = 0.91, 9 = 0.88, 10 = 0.47, 11 = 0.00, 12 = 0.76, 12 = 0.94, 12 = 0.94, 14 = 0.95, 15 = 0.81 and 16 = 0.48

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-05; 95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
  - 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) 12 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 225 lb uplift at joint 17 and 225 lb uplift at joint 21.
  - This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

**LOAD CASE(S)** Standard





### ALTERNATE BRACING DETAIL

#### NOTES

- 1) 2X4 NO.2 OR BTR. FOR LEDGER AND STRONGBACK NAILED TOGETHER WITH 10D NAILS @ 6" O.C.
- 2) 2X4 LEDGER NAILED TO EACH STUD WITH 4- 10d NAILS.
- 3) 2X4 STRONGBACK TO BE CONNECTED TO EACH VERT. STUD WITH 2- 10d TOE NAILS
- 4) THE 10d NAILS SPECIFIED FOR LEDGER AND STRONGBACK ARE 10d BOX NAILS (0.131" DIA. X 3.0" LGT)

#### THIS ALTERNATE BRACING DETAIL IS APPLICABLE TO STRUCTURAL GABLE END IF THE FOLLOWING CONDITIONS ARE MET:

1. MAXIMUM HEIGHT OF TRUSS = 8'-6", UNLESS OTHERWISE SPECIFIED BY PROJECT ENG. OR QUALIFIED BUILDING DESIGNER.
2. MAXIMUM PANEL LENGTH ON TOP AND BOT. CHORDS = 7'-0"
3. THE HORIZONTAL TIE MEMBER AT THE VENT OPENING SHALL BE BRACED @ 4'-0" O.C. MAX.
4. PLEASE CONTACT TRUSS ENGINEER IF THERE ARE ANY QUESTIONS.

SEP 07 2010



**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.**

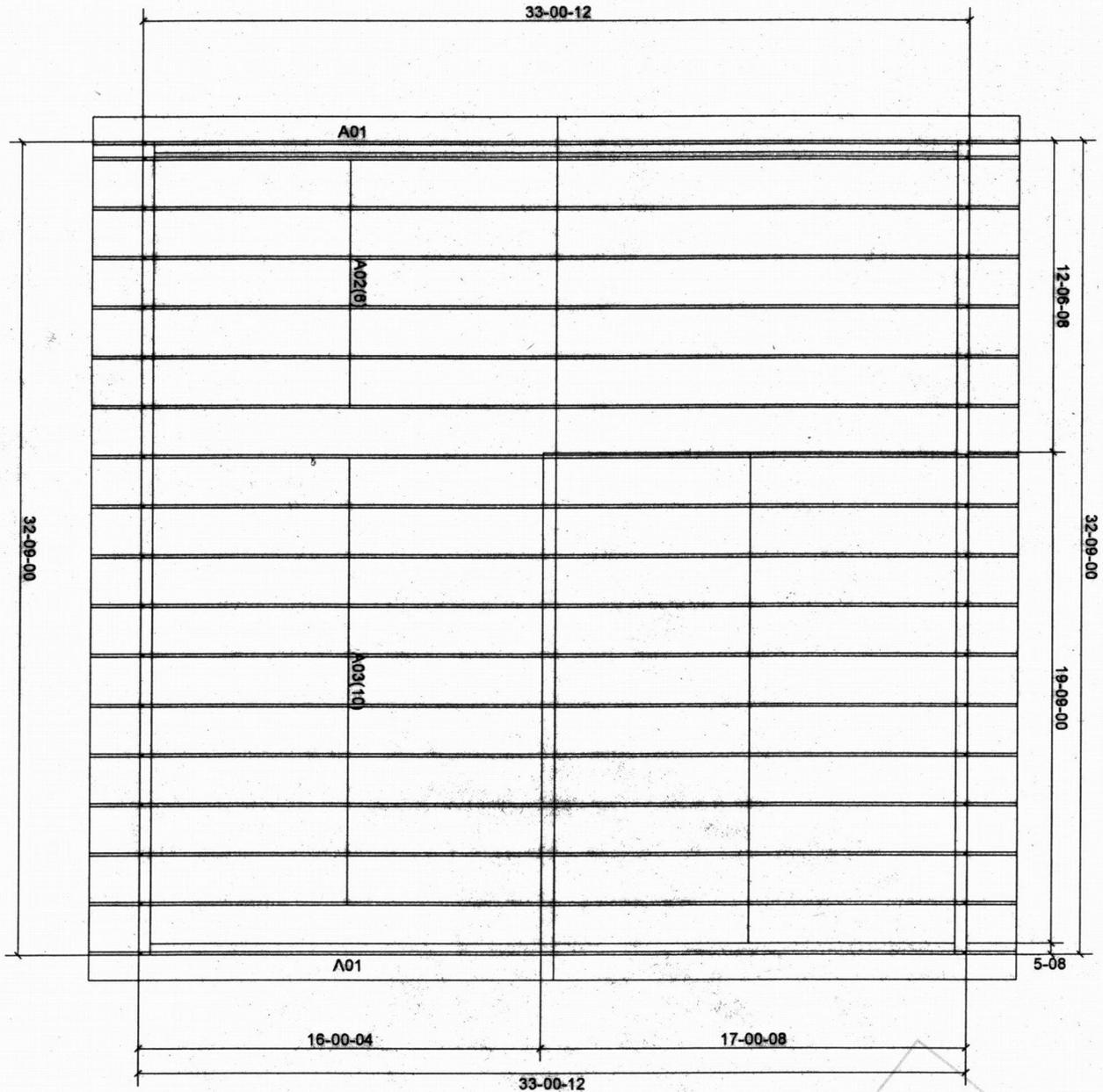
Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral 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 BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

EXPIRATION DATE 09-20-10

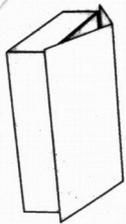
2777 Greenback Lane  
Suite 109  
Citrus Heights, CA, 95610



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City of Portland  
 DIVISION OF PERMITS  
 COMPLIANCE  
 Permit Number



11550 SE Jennifer St  
 Clackamas, OR 97015  
 (503) 656-2983  
 (503) 656-2647

Client		<b>Schwartz Res.</b>		Date	11/24/2010
Job Name		<b>Schwartz Res.</b>		Job Number	11296
Sales Person:	Dave Droz	Pitch	5/12		
Phone:	503-656-2983 Ext 151	Overhang	24"		
email:		Loading:	25-7-0-10		