RS.06.170153 REV.01

G

AUG 31 2007

MICROFILMED

19

CITY OF
PORTLAND, OREGON
BUREAU OF DEVELOPMENT SERVICES
1900 SW 4th Ave., Suite 5000
Portland, OR 97201

MULTNOMAH COUNTY

RESIDENTIAL 1 & 2 FAMILY PERMIT

06-170153-REV-01-RS

Site Address: 6248 SW HAMILTON ST

Issued: 6/20/07

ADULT CARE HOME 6248 HAMILTON ST

PROJECT INFORMATION		Occ. Group	Const. Type
Single Family Dwelling	Addition		V-N

Project Description: 6-20-07 REVISE TRUSSES PER INSPECTOR

APPLICANT	IONUT PISICA *IONUT PISICA*	Phone	(503) 819-1105
PROPERTY OWNER	MAGDALENA PISICA	Phone	
CONTRACTOR	IONUT PISICA *IONUT PISICA*	Phone	

Project Details	
# of Fixtures	31
Code Edition	IRC - 2003
Final adj to ICC Value reason - Display	Unapplied
GIS Update Flag	10/16/06
Number of Stories	2
Pavement Date Paved	9/15/2003
Pavement Proposed Season	SUMMER
Pavement Status	ACTIVE
Res Wir: 1,000 sf or less	1
SI-Anchors - Adhesive	Yes
Valuation at Issuance	431508

Project Details	
Clothes Dryer Exhaust	1
Construction Type 4	
Furnace/Burner (inc ductwork/vent/liner	1
New Square Footage Living Area	4670
On-Site Stormwater Facility	None
Pavement Moratorium End Date	9/15/2008
Pavement Proposed Year	2003
Rain Drain # of Feet	99
Res Wir: Each Add 500 sf or part	7
Single-Duct Exhaust (Bath/Toilet/Util)	10
Water District	Portland Water Bure

This permit expires if, at any time, 180 days pass without an approved inspection. If you are not able to obtain an inspection approval within 180 days, you may request a one-time only extension of 180 days by calling 503-823-7388.

BEFORE YOU DIG ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952-001-0010 through OAR 952-001-0090. You may obtain copies of the rules by calling the center. (Note: the telephone number for the Oregon Utility Notification Center is 1-800-332-2344).

CITY CONTACT
E-Mail:
Phone:
Fax: (503) 823-4172

INSPECTION REQUEST PHONE NUMBERS
TDD: (503) 823-6868

Building/Trade Inspections - Call Before 6:00 AM: (503) 823-7000

IVR Inspection Request Number: 2611215

Precision Roof Trusses Inc.
11550 SE Jennifer St.
Clackamas, OR 97015
Phone: 503/656-2983 Fax: 503/656-2647

Project:
Model:
Block No:
Lot No:

Contact: Site: Office:
Name:
Phone:
Fax:
Tentative Delivery Date: 5/9/07

To:
JOHN PISICA
503-819-1105

Deliver To:
6249 SW HAMILTON
PDX

Delivery List

Job Number: 3913
Page: 1
Date: 05-03-2007 - 4:53
Project ID: none

Account No:
Designer: SS
Salesperson: TOM MARTIN
Quote Number:

Profile:	Qty:	Span:	Pitch	Truss Type:	Truss Id:	LOH	ROH	LABEL EACH TRUSS	Load By:
	2	33 - 11 - 10	4 - 11 - 7 6.00 0.00	CAL HIP	A2 (1) 2-Ply	16 - 0	16 - 0		
	1	33 - 11 - 10	5 - 11 - 7 6.00 0.00	CAL HIP	A4-1	16 - 0	16 - 0		
	1	33 - 11 - 10	6 - 11 - 7 6.00 0.00	CAL HIP	A4-2	16 - 0	16 - 0		
	1	33 - 11 - 10	7 - 11 - 7 6.00 0.00	CAL HIP	A4-3	16 - 0	16 - 0		
	1	33 - 11 - 10	8 - 11 - 7 6.00 0.00	CAL HIP	A4-4	16 - 0	16 - 0		
	16	33 - 11 - 10	9 - 5 - 14 6.00 0.00	MOD. QUEEN	A1	16 - 0	16 - 0		
	1	33 - 11 - 10	8 - 11 - 7 6.00 0.00	CAL HIP	A4-4	16 - 0	16 - 0		
	1	33 - 11 - 10	7 - 11 - 7 6.00 0.00	CAL HIP	A4-3	16 - 0	16 - 0		
	1	33 - 11 - 10	6 - 11 - 7 6.00 0.00	CAL HIP	A4-2	16 - 0	16 - 0		
	1	33 - 11 - 10	5 - 11 - 7 6.00 0.00	CAL HIP	A4-1	16 - 0	16 - 0		
	2	33 - 11 - 10	4 - 11 - 7 6.00 0.00	CAL HIP	A2 (1) 2-Ply	16 - 0	16 - 0		
	2	9 - 7 - 0 2X4/2X10	3 - 0 - 15 6.00 0.00	CAL HIP	B1 (1) 2-Ply	16 - 0	16 - 0		
	1	7 - 8 - 0	3 - 7 - 3 8.00 0.00	KINGPOST	C1	12 - 6	12 - 6		
	4	7 - 8 - 0	3 - 7 - 3 8.00 0.00	KINGPOST	C2	12 - 6	12 - 6		
	4	5 - 0 - 0	3 - 6 - 0 6.00 0.00	JACK	D1	16 - 0	0 - 0		
	15	5 - 0 - 0	3 - 6 - 0 6.00 0.00	JACK	D2	16 - 0	0 - 0		

City of Portland
BUREAU OF DEVELOPMENT SERVICES
MAY 20 2007
Permit Number

STEVE PIERCE
6/19/07 THESE MATCH
ONE SITE TRUSSES

4/2

06-170153 REV #2 S

Precision Roof Trusses Inc. 11550 SE Jennifer St. Clackamas, OR 97015 Phone: 503/656-2983 Fax: 503/656-2647	To: JOHN PISICA 503-819-1105	Delivery List Job Number: 3913 Page: 2 Date: 05-03-2007 - 4:53:51 PM Project ID: none
Project: Model: Block No. Lot No:		
Contact: Site: Office: Name: Phone: Fax: Tentative Delivery Date: 5/9/07	Deliver To: 6248 SW HAMILTON PDX	Account No: Designer: SS Salesperson: TOM MARTIN Quote Number:

TRUSSES - 54
HIPS - 6
JACKS - 54

MISC. ITEMS

Quantity:	Description:
160	16D COMMON
306	N16
82	2X4 SOLID BLOCK
41	2X4 VENT BLOCK
142	TIES
52	JUS24
4	JUS210
1	THDH210-2
2	KTS24

City of Portland
JUN 20 2007
Permit Number

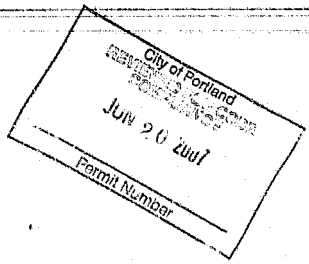
Delivery Date:_____ Delivered by:_____ Received by:_____
Unloading Time:_____ mins. C.O.D. Amt. Due_____ Plus Additional Crane Time ____
Flag Cars_____
Time In:_____ Time Out:_____ Standby Time:_____Hrs._____Mins.
Roof Print _X_ Bracing Info _X_ Total No. Of Trusses:54
FOR ADDITIONAL CRANE TIME, BAD 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_____

2/2

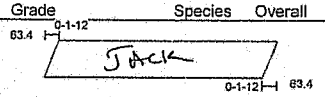
Sort: JACKLIST

MiTek Industries,Inc.Thu May 03 17:24:45 2007

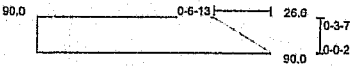
Qty	TQty	Label	Size	Grade	Species	Overall	Center	Longside	Job	Truss
2	4	T1	2 X 4	No.1&Btr	DF -G	19-5-2	19-3-6	19-3-6	3913	A4-4
2		T1	2 X 4	No.1&Btr	DF -G	19-5-2	19-3-6	19-3-6	3913	A4-4
2	4	T1	2 X 4	No.1&Btr	DF -G	17-2-5	17-0-8	17-0-8	3913	A4-3
2		T1	2 X 4	No.1&Btr	DF -G	17-2-5	17-0-8	17-0-8	3913	A4-3
2	4	T1	2 X 4	No.1&Btr	DF -G	14-11-8	14-9-11	14-9-11	3913	A4-2
2		T1	2 X 4	No.1&Btr	DF -G	14-11-8	14-9-11	14-9-11	3913	A4-2
2	4	T1	2 X 4	No.1&Btr	DF -G	12-8-10	12-6-14	12-6-14	3913	A4-1
2		T1	2 X 4	No.1&Btr	DF -G	12-8-10	12-6-14	12-6-14	3913	A4-1
4	8	T1	2 X 4	No.1&Btr	DF -G	10-5-13	10-4-1	10-4-1	3913	A2
4		T1	2 X 4	No.1&Btr	DF -G	10-5-13	10-4-1	10-4-1	3913	A2
2	4	T1	2 X 4	No.1&Btr	DF -G	6-3-8	6-1-12	6-1-12	3913	B1
2		T1	2 X 4	No.1&Btr	DF -G	6-3-8	6-1-12	6-1-12	3913	B1



Sort: JACK-J MiTek Industries,Inc.Thu May 03 17:36:38 2007



Qty	TQty	Label	Size	Grade	Species	Overall	Center	Longside	Job	Truss
2	2	T1	2 X 4	No.1&Btr	DF-G	20-6-11	20-4-15	20-4-15	3913	A2J8-10
4	4	T1	2 X 4	No.1&Btr	DF-G	19-5-2	19-3-6	19-3-6	3913	A2J8-8
4	4	T1	2 X 4	No.1&Btr	DF-G	17-2-5	17-0-8	17-0-8	3913	A2J8-7
4	4	T1	2 X 4	No.1&Btr	DF-G	14-11-8	14-9-11	14-9-11	3913	A2J8-6
4	4	T1	2 X 4	No.1&Btr	DF-G	12-8-10	12-6-14	12-6-14	3913	A2J8-5
4	4	T1	2 X 4	No.1&Btr	DF-G	10-5-13	10-4-1	10-4-1	3913	A2J8-4
4	8	T1	2 X 4	No.1&Btr	DF-G	8-3-0	8-1-3	8-1-3	3913	A2J2-3
4		T1	2 X 4	No.1&Btr	DF-G	8-3-0	8-1-3	8-1-3	3913	A2J8-3
4	8	T1	2 X 4	No.1&Btr	DF-G	6-0-2	5-10-6	5-10-6	3913	A2J2-2
4		T1	2 X 4	No.1&Btr	DF-G	6-0-2	5-10-6	5-10-6	3913	A2J8-2
4	8	T1	2 X 4	No.1&Btr	DF-G	3-9-5	3-7-9	3-7-9	3913	A2J2-1
4		T1	2 X 4	No.1&Btr	DF-G	3-9-5	3-7-9	3-7-9	3913	A2J8-1
6	8	T1	2 X 4	No.1&Btr	DF-G	1-7-11	1-5-14	1-5-14	3913	A2-END



Qty	TQty	Label	Size	Grade	Species	Overall	Center	Longside	Job	Truss
4	34	B1	2 X 4	No.1&Btr	DF-G	7-11-4	7-8-0	7-11-4	3913	A2J8-1
2		B1	2 X 4	No.1&Btr	DF-G	7-11-4	7-7-15	7-11-4	3913	A2J8-10
4		B1	2 X 4	No.1&Btr	DF-G	7-11-4	7-8-0	7-11-4	3913	A2J3-2
4		B1	2 X 4	No.1&Btr	DF-G	7-11-4	7-8-0	7-11-4	3913	A2J8-3
4		B1	2 X 4	No.1&Btr	DF-G	7-11-4	7-8-0	7-11-4	3913	A2J8-4
4		B1	2 X 4	No.1&Btr	DF-G	7-11-4	7-8-0	7-11-4	3913	A2J8-5
4		B1	2 X 4	No.1&Btr	DF-G	7-11-4	7-8-0	7-11-4	3913	A2J8-6
4		B1	2 X 4	No.1&Btr	DF-G	7-11-4	7-8-0	7-11-4	3913	A2J8-7
4		B1	2 X 4	No.1&Btr	DF-G	7-11-4	7-8-0	7-11-4	3913	A2J8-8
4	12	B1	2 X 4	No.1&Btr	DF-G	1-11-4	1-8-0	1-11-4	3913	A2J2-1
4		B1	2 X 4	No.1&Btr	DF-G	1-11-4	1-8-0	1-11-4	3913	A2J2-2
4		B1	2 X 4	No.1&Btr	DF-G	1-11-4	1-7-15	1-11-4	3913	A2J2-3

2/3

Sprt: JACK-J MiTek Industries,Inc.Thu May 03 17:39:27 2007

Qty	TQty	Label	Size	Grade	Species	Overall	Center	Longside	Job	Truss
				0-1-12 / 63.4 JACK 0-1-12 / 63.4						
2	4	T1	2 X 4	No.1&Btr	DF-G	6-0-2	5-10-6	5-10-6	3913	B1J2-2
2		T1	2 X 4	No.1&Btr	DF-G	6-0-2	5-10-6	5-10-6	3913	B1J4-2
2	4	T1	2 X 4	No.1&Btr	DF-G	3-9-5	3-7-9	3-7-9	3913	B1J2-1
2		T1	2 X 4	No.1&Btr	DF-G	3-9-5	3-7-9	3-7-9	3913	B1J4-1
4	4	T1	2 X 4	No.1&Btr	DF-G	1-7-11	1-5-14	1-5-14	3913	B1-END
				90.0 0-6-13 26.6 0-3-7 0-0-2 90.0						
2	4	B1	2 X 4	No.1&Btr	DF-G	4-2-4	3-11-0	4-2-4	3913	B1J4-1
2		B1	2 X 4	No.1&Btr	DF-G	4-2-4	3-10-15	4-2-4	3913	B1J4-2
2	4	B1	2 X 4	No.1&Btr	DF-G	1-11-4	1-8-0	1-11-4	3913	B1J2-1
2		B1	2 X 4	No.1&Btr	DF-G	1-11-4	1-8-0	1-11-4	3913	B1J2-2

City of Portland
JUN 20 2007
Permit Number

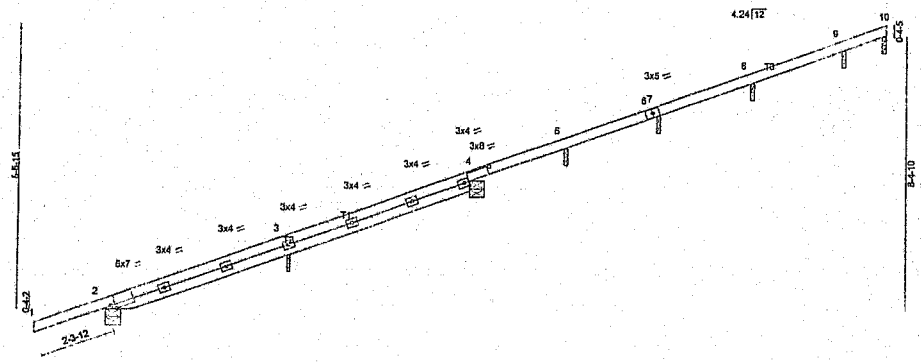
3/3

Job	Truss	Truss Type	Qty	Ply	JOHN PISICA TMK/SS
3913	A2-HIP	JACK	4	1	

PRECISION ROOF TRUSSES, CLACKAMAS,OR. 97015 — 6.500 s Dec 14 2006 MiTek Industries, Inc. Thu May 03 17:21:34 2007 Page 1

-2-2-3	5-6-2	11-1-3	14-0-10	16-10-9	19-8-8	22-6-7	23-9-4
2-2-3	5-6-2	5-7-1	2-11-7	2-9-15	2-9-15	2-9-15	1-2-13

Scale = 1:42.6

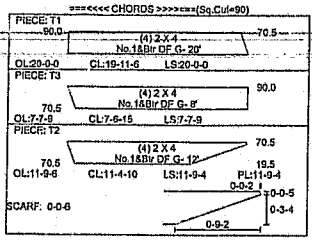


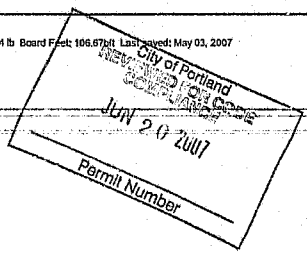
11-1-3	23-9-4
11-1-3	12-8-1

Overall Truss Height: 9-5-13

Plate Offsets (X,Y): [2:0-1-11,0-1-9], [6:5-2-4,0-0-13]

Qty: 4 Span: 23-9-4 Slope: 4.24/12, 0.00/12 Overhang: 2-2-3, 0-0-0 Loading: 25.0-7.0-0.0-10.0 Spacing: 2-0-0 o.c. Weight: 54 lb Board Feet: 106.67bft Last Saved: May 03, 2007

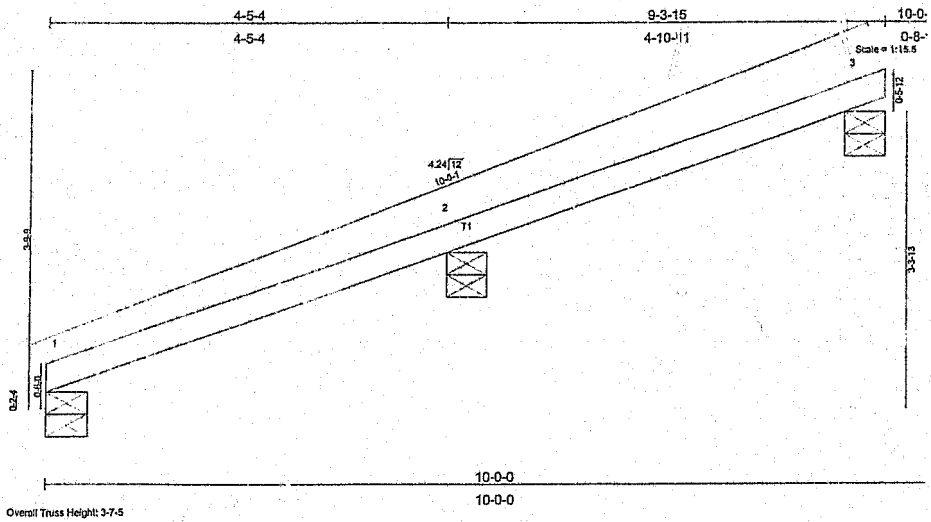




4/2

Job	Truss	Truss Type	Qty	Ply	JOHN PISICA TMK/SS
3913	B1-HIP	RAFTER	2	1	

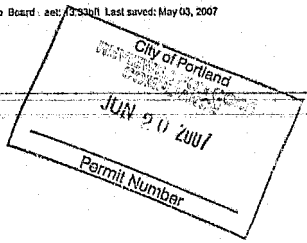
PRECISION ROOF TRUSSES, CLACKAMAS,OR. 97015 — 6.500 s Dec 14 2006 MiTek Industries, Inc. Thu May 03 17:21:34 2007 Page 1



Overall Truss Height: 3-7-5

Qty: 2 Span: 10-0-0 Slope: 4.24/12, 0.00/12 Overhang: 0-0-0, 0-0-0 Loading: 25.0-7.0-0.0-10.0 Spacing: 2-0-0 o.c. Weight: 14 lb Board feet: 73.3bft Last saved: May 03, 2007

PIECE: T1 ==<<<<< CHORDS >>>>>==(Sq.Cut=90)
(2) 2 X 4
70.5
70.5
No.1&Btr DF-G--10"
OL:10-0-0 CL:0-10-12 LS:9-10-12



2/2

Job	Truss	Truss Type	Qty	Ply	JOHN PISICA TMIOSS	R25203989
3913	A1	MOD. QUEEN	16	1	Job Reference (optional)	

PRECISION ROOF TRUSSES, CLACKAMAS,OR. 97015 — 6.500 s Apr 2 2007 MiTek Industries, Inc. Fri May 04 08:28:03 2007 Page 1

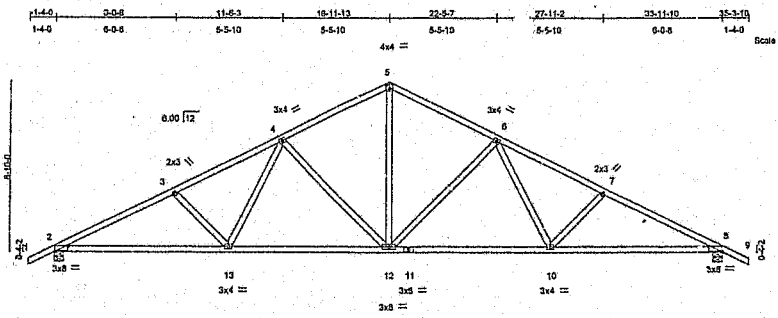


Plate Offsets (X,Y): [2:0-8-3,Edge], [5:0-2-0,0-2-4], [8:0-8-3,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	Vdefl	L/d	PLATES	GRIP
TCLL	25.0	Plates Increase	1.15	TC	0.27	Vert(LL)	-0.12	12	>999	240	MT20	220/195
TCDL	7.0	Lumber Increase	1.15	BC	0.45	Vert(TL)	-0.38	2-13	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.70	Horz(TL)	0.12	8	n/a	n/a		
BCDL	10.0	Code IRC2003/TPI2002		(Matrix)							Weight: 163 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=1507/0-5-8, 8=1507/0-5-8
Max Horiz 2=138(LC 6)
Max Uplift 2=-265(LC 5), 8=-265(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/38, 2-3=-2599/345, 3-4=-2341/316, 4-5=-1648/271, 5-6=-1648/271, 6-7=-2341/316, 7-8=-2599/345, 8-9=0/38
BOT CHORD 2-13=-342/2235, 12-13=-208/1827, 11-12=-114/1627, 10-11=-114/1827, 8-10=-204/2235
WEBS 3-13=-318/177, 4-13=-26/457, 4-12=-632/211, 5-12=-112/1046, 6-12=-632/211, 6-10=-27/457, 7-10=-318/178

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: [illegible]2; 100mph; h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp C; enclosed; MWFRS; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 265 lb uplift at joint 2 and 265 lb uplift at joint 8.
7) This truss is designed in accordance with the 2003 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

PALMER S. TINGEY STATE OF WASHINGTON 30496 REGISTERED PROFESSIONAL ENGINEER

City of Portland Approved

EXPIRES: 09-01-08

REGISTERED PROFESSIONAL ENGINEER 16890PE OREGON SEPTEMBER 21, 1993 PALMER S. TINGEY

EXPIRATION DATE: 06/30/08

May 4,2007

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

Job	Truss	Truss Type	Qty	Ply	JOHN FISICA TMK/SS	R25203990
3913	A2	CAL HIP	2	2	Job Reference (optional)	

PRECISION ROOF TRUSSES, CLACKAMAS,OR. 97015 — 8.500 s Apr 2 2007 MiTek Industries, Inc. Fri May 04 08:28:04 2007 Page 1

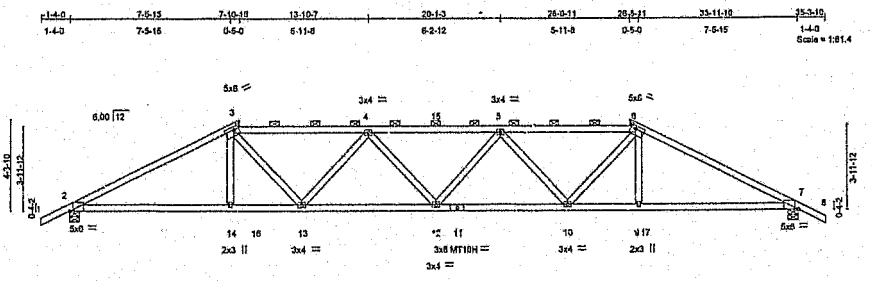


Plate Offsets (X,Y): [2:0-1-12,Edge], [3:0-2-12,0-1-12], [6:0-2-12,0-1-12], [7:0-1-12,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plates Increase	1.15	TC	0.50	Vert(LL)	-0.27	12	>999	240	MT20	220/195
TCDL	7.0	Lumber Increase	1.15	BC	0.87	Vert(TL)	-0.66	10-12	>607	180	MT18H	220/195
BCLL	0.0	Rep Stress Incr	NO	WB	0.42	Horz(TL)	0.20	7	n/a	n/a		
BCDL	10.0	Code IRC2003/TPI2002		(Matrix)							Weight: 297 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-1-5 oc purlins, except 2-0-0 oc purlins (4-6-4 max.): 3-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=3438/0-5-8, 7=3438/0-5-8
Max Horz 2=-75(LC 6)
Max Uplift2=-713(LC 5), 7=-713(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/38, 2-3=-6775/1653, 3-4=-7148/1773, 4-15=-8288/2016, 5-15=-8288/2016, 5-6=-7148/1773, 6-7=-6775/1653, 7-8=0/38
BOT CHORD 2-14=-1456/6011, 14-16=-1462/5999, 13-16=-1462/5999, 12-13=-2052/8141, 11-12=-2032/8141, 10-11=-2032/8141, 10-17=-1418/5999, 9-17=-1418/5999, 7-9=-1411/6011
WEBS 3-14=0/424, 6-9=0/424, 4-13=-1627/585, 4-12=0/317, 5-12=0/317, 5-10=-1627/585, 6-10=-451/1890, 3-13=-451/1890

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 2 rows at 0-9-0 oc.
Bottom chords connected as follows: 2 X 4 - 2 rows at 0-9-0 oc.
Webs connected as follows: 2 x 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 100mph; h=26ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp C; enclosed; MWFRS; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) All plates are MT20 plates unless otherwise indicated.
8) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
9) A plate rating reduction of 20% has been applied for the green lumber members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 713 lb uplift at joint 2 and 713 lb uplift at joint 7.
11) This truss is designed in accordance with the 2003 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) Girder carries hip end with 7-11-4 end setback.
13) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

Continued on page 2

PALMER S. TINGEY
STATE OF WASHINGTON
City of Portland Co.
30490
REGISTERED PROFESSIONAL ENGINEER
EXPIRES: 06-01-08
Permit Number

REGISTERED PROFESSIONAL ENGINEER
16890PE
STATE OF OREGON
SEPTEMBER 21, 1993
PALMER S. TINGEY

EXPIRATION DATE: 06/30/08
May 4,2007

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

Job	Truss	Truss Type	Qty	Ply	JOHN PISICA TM/KSS	R25203990
3813	A2	CAL HIP	2	2	Job Reference (optional)	

PRECISION ROOF TRUSSES, CLACKAMAS,OR. 97015 6.500 s Apr 2 2007 MiTek Industries, Inc. Fri May 04 08:28:04 2007 Page 2

NOTES

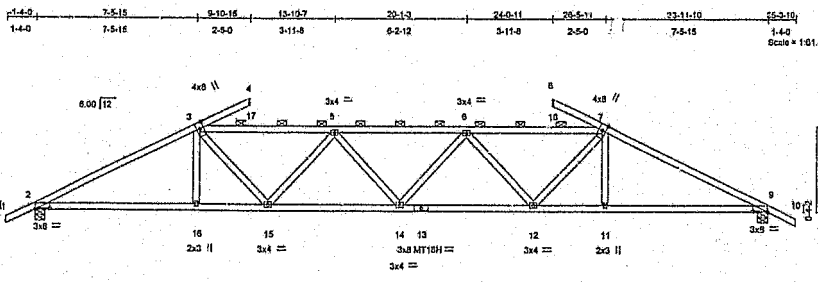
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 545 lb down and 309 lb up at 25-3-15, and 545 lb down and 309 lb up at 7-7-11 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-3=-64, 3-8=-159, 8-8=-64, 2-7=-50(F=-30)
   Concentrated Loads (lb)
      Vert: 3=-545 8=-545

Job	Truss	Truss Type	Qty	Ply	JOHN PISICA TMK/SS	R25203991
3013	A4-1	CAL HIP	2	1	Job Reference (optional)	

PRECISION ROOF TRUSSES, CLACKAMAS,OR. 97015 — 6.500 s Apr 2 2007 MiTek Industries, Inc. Fri May 04 06:26:05 2007 Page 1



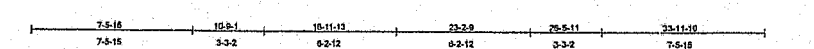


Plate Offsets (X,Y): [2:0-8-3,0-0-7], [6:0-8-3,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plates Increase	1.15	TC	0.45	Vert(LL)	-0.20	14	>999	240	MT20	220/195
TCDL	7.0	Lumber Increase	1.15	BC	0.52	Vert(TL)	-0.53	14-15	>760	180	MT18H	220/195
BCLL	0.0	Rep Stress Incr	YES	WB	0.35	Horz(TL)	0.16	9	n/a	n/a		
BCDL	10.0	Code IRC2003/TPI2002		(Matrix)							Weight: 155 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-6-4 oc purlins, except 2-0-0 oc purlins (3-5-8 max.): 3-7.
BOT CHORD Rigid ceiling directly applied or 8-7-14 oc bracing.

REACTIONS (lb/size) 2=1539/0-5-8, 9=1539/0-5-8
Max Horz 2=99(LC 4)
Max Uplift2=-255(LC 5), 9=-255(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/38, 2-3=-2735/496, 3-4=-72/0, 3-17=-2794/586, 5-17=-2794/586, 5-6=-3235/590, 6-18=-2794/586, 7-18=-2794/586, 7-8=-72/0, 7-9=-2735/496, 9-10=0/38
BOT CHORD 2-16=-476/2365, 15-16=-476/2365, 14-15=-587/3176, 13-14=-518/3176, 12-13=-518/3176, 11-12=-380/2358, 9-11=-377/2364
WEBS 3-16=0/248, 7-11=0/248, 5-15=-700/239, 5-14=-8/182, 6-14=-8/182, 6-12=-700/236, 7-12=-183/796, 3-15=-183/796

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 100mph; h=25ft; TCDL=4.2psf; BCDL=0.0psf; Category II; Exp C; enclosed; MWFRS; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
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) All plates are MT20 plates unless otherwise indicated.
6) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
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 255 lb uplift at joint 2 and 255 lb uplift at joint 9.
9) This truss is designed in accordance with the 2003 International Residential Code sections R502.11.1 and R502.10.2 and referenced standard ANSI/TPI 1.
10) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

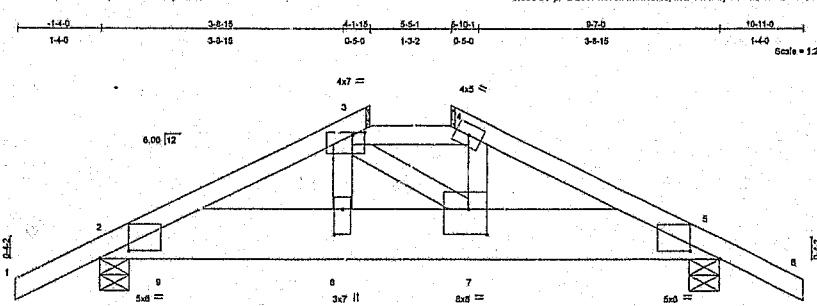
LOAD CASE(S) Standard

PALMER S. TINGEY STATE OF WASHINGTON 30496 REGISTERED PROFESSIONAL ENGINEER
City of Portland
EXPIRES: 08-01-08
JUN 2
REGISTERED PROFESSIONAL ENGINEER
Permit Number 1659DPE
OREGON SEPTEMBER 27, 1985 PALMER S. TINGEY
EXPIRATION DATE: 06/30/08
May, 2007

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

Job	Truss	Truss Type	Qty	Ply	JOHN PISICA TMK/SS	R25203992
3913	B1	CAL HIP	1	2	Job Reference (optional)	

PRECISION ROOF TRUSSES, CLACKAMAS,OR. 97015 — 6.500 s Apr 2 2007 MiTek Industries, Inc. Fri May 04 08:28:06 2007 Page 1



3-8-15	5-10-1	9-7-0
3-8-15	2-1-2	3-8-15

Plate Offsets (X,Y): [2:0-5-8,0-1-7], [3:0-2-4,0-0-8], [5:0-5-8,0-1-7], [7:0-3-8,0-4-12], [8:0-4-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plates Increase	1.15	TC	0.21	Vert(LL)	-0.04	8	>999	240	MT20	220/195
TCDL	7.0	Lumber Increase	1.15	BC	0.57	Vert(TL)	-0.09	7-8	>959	180		
BCLL	0.0	Rep Stress Incr	NO	WB	0.58	Horz(TL)	0.02	5	n/a	n/a		
BCDL	10.0	Code IRC2003/TPI2002		(Matrix)							Weight: 122 lb	

LUMBER
TOP CHORD 2 X 4 DF No.1&Btr G
BOT CHORD 2 X 10 DF SS G
WEBS 2 x 4 DF Std G

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-7-10 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=6045/0-5-8, 5=3626/0-5-8
Max Horz 2=-57(LC 6)
Max Uplift 2=-1149(LC 6), 5=-742(LC 8)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-6102/1048, 3-4=-4852/848, 4-5=-5513/935, 5-6=0/49
BOT CHORD 2-9=-929/5586, 8-9=-529/5586, 7-8=-890/5345, 5-7=-823/5036
WEBS 3-8=-448/2610, 3-7=-586/150, 4-7=-337/2051

NOTES
1) Special connection required to distribute bottom chord loads equally between all plies.
2) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 2 rows at 0-9-0 oc.
Bottom chords connected as follows: 2 X 10 - 5 rows at 0-2-0 oc.
Webs connected as follows: 2 x 4 - 1 row at 0-9-0 oc.
3) 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.
4) Unbalanced roof live loads have been considered for this design.
5) Wind: ASCE 7-02; 100mph; h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp C; enclosed; MWFRS; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
9) A plate rating reduction of 20% has been applied for the green lumber members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1149 lb uplift at joint 2 and 742 lb uplift at joint 5.
11) This truss is designed in accordance with the 2003 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3335 lb down and 611 lb up at 1-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
Continued on page 2

City of Portland
BUREAU OF DEVELOPMENT SERVICES
JUN 20 2007
Permit Number

PALMER S. TINGEY
STATE OF WASHINGTON
30496
REGISTERED
PROFESSIONAL ENGINEER

EXPIRES: 08-01-08

REGISTERED PROFESSIONAL ENGINEER
1680PE
OREGON
SEPTEMBER 21, 1993
PALMER S. TINGEY

EXPIRATION DATE: 06/30/08

May 04,2007

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

Job	Truss	Truss Type	Qty	Ply	JOHN PISICA TMKISS	R25203992
3913	B1	CAL HIP	1	2	Job Reference (optional)	

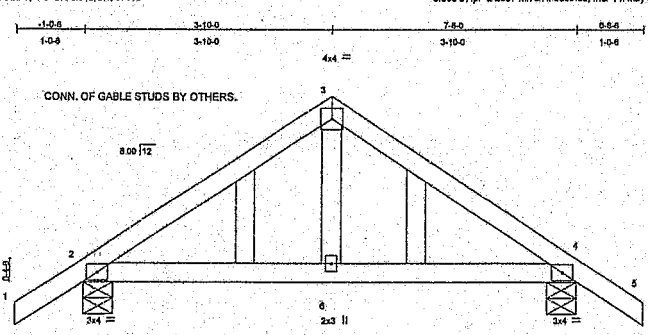
PRECISION ROOF TRUSSES, CLACKAMAS,OR. 97015 6.500 s Apr 2 2007 MiTek Industries, Inc. Fri May 04 08:28:06 2007 Page 2

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-64, 3-4=-64, 4-8=-64, 2-9=-20, 8-9=-692(F=-672)
Concentrated Loads (lb)
Vert: 8=-3335(F)

City of Portland
BUREAU OF BUILDINGS
JUN 20 2007
Permit Number

Job	Truss	Truss Type	Qty	Ply	JOHN PISICA TMK/SS	R25203993
3913	C1	KINGPOST	1	1	Job Reference (optional)	

PRECISION ROOF TRUSSES, CLACKAMAS,OR, 97015 — 6.500 s Apr 2 2007 MiTek Industries, Inc. Fri May 04 08:28:07 2007 Page 1



LOADING (psf)	SPACING 2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	Plates Increase 1.15	TC 0.13	Vert(LL)	-0.00	2-8	>999	240	MT20	220/195
TCDL 7.0	Lumber Increase 1.15	BC 0.11	Vert(TL)	-0.01	2-8	>999	180		
BCLL 0.0	Rep Stress Incr YES	WB 0.07	Horz(TL)	0.00	4	n/a	n/a		
BCDL 10.0	Code IRC2003/TPI2002	(Matrix)						Weight: 34 lb	

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
OTHERS 2 X 4 DF Std G

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

REACTIONS (lb/size) 2=383/0-5-8, 4=383/0-5-8
Max Horz 2=-79(LC 3)
Max Uplift 2=-104(LC 5), 4=-104(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/37, 2-3=-323/23, 3-4=-323/23, 4-5=0/37
BOT CHORD 2-6=0/201, 4-6=0/201
WEBS 3-6=0/178

NOTES:
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 100mph; h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp C; enclosed; MWFRS; cantilever left and right exposed; and vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) 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 1-2002.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Gable studs spaced at 1-4-0 oc.
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 104 lb uplift at joint 2 and 104 lb uplift at joint 4.
9) This truss is designed in accordance with the 2003 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

PALMER S. TINGEY
STATE OF WASHINGTON
30496
REGISTERED
PROFESSIONAL ENGINEER

City of Portland

EXPIRES: 08-01-08

JUN 9 '07 2007

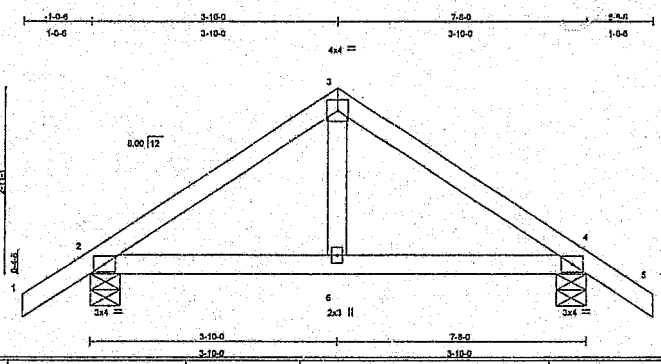
REGISTERED PROFESSIONAL ENGINEER
OREGON
SEPTEMBER 21, 1995
PALMER S. TINGEY

Permit Number 16890PE

EXPIRATION DATE: 06/30/08
May 4,2007

Job	Truss	Truss Type	Qty	Ply	JOHN PISICA TMK/SS	R25203994
3913	C2	KINGPOST	4	1	Job Reference (optional)	

PRECISION ROOF TRUSSES, CLACKAMAS,OR, 97015 — 8.500 s Apr 2 2007 MiTek Industries, Inc. Fri May 04 08:28:07 2007 Page 1



LOADING (psf)		SPACING 2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plates Increase 1.15	TC	0.13	Vert(LL)	-0.00	2-6	>999	240	MT20	220/195
TCDL	7.0	Lumber Increase 1.15	BC	0.11	Vert(TL)	-0.01	2-6	>999	180		
BCLL	0.0	Rep Stress Incr YES	WB	0.07	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2003/TPI2002	(Matrix)							Weight: 30 lb	

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

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

REACTIONS (lb/size) 2=383/0-5-8, 4=383/0-5-8
Max Horz 2=-70(LC 3)
Max Uplift2=-104(LC 5), 4=-104(LC 6)

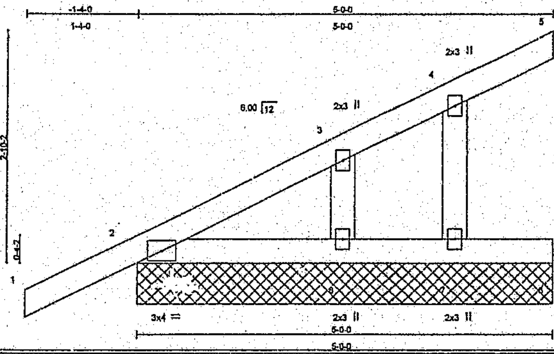
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/37, 2-3=-323/23, 3-4=-323/23, 4-5=0/37
BOT CHORD 2-6=0/201, 4-6=0/201
WEBS 3-6=0/178

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 100mph; h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp C; enclosed; MWFRS; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 104 lb uplift at joint 2 and 104 lb uplift at joint 4.
7) This truss is designed in accordance with the 2003 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	JOHN PISICA TMK/SS
3913	D1	JACK	4	1	R25203995 Job Reference (optional)

PRECISION ROOF TRUSSES, CLACKAMAS,OR. 97015 — 6.500 s Apr 2 2007 MiTek Industries, Inc. Fri May 04 08:26:08 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plates Increase	1.15	TC	0.10	Vert(LL)	0.00	1	n/r	120	MT20	220/195
TCDL	7.0	Lumber Increase	1.15	BC	0.04	Vert(TL)	-0.00	1	n/r	90		
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horz(TL)	-0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2003/TPI2002		(Matrix)							Weight: 21 lb	

LUMBER
TOP CHORD 2 X 4 DF No.1&Btr G
BOT CHORD 2 X 4 DF No.1&Btr G
OTHERS 2 X 4 DF Std G

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

REACTIONS (lb/size) 5=32/5-0-0, 2=201/5-0-0, 6=11/5-0-0, 8=166/5-0-0, 7=95/5-0-0
Max Horz 2=126(LC 5)
Max Uplift5=-17(LC 5), 2=-72(LC 5), 8=-20(LC 4), 7=-41(LC 5)
Max Grav 5=32(LC 1), 2=201(LC 1), 6=22(LC 2), 8=166(LC 1), 7=95(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/37, 2-3=-71/20, 3-4=-40/15, 4-5=-19/11
BOT CHORD 2-8=0/0, 7-8=0/0, 6-7=0/0
WEBS 3-8=-115/51, 4-7=-78/52

NOTES
1) Wind: ASCE 7-02; 100mph; h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp C; enclosed; MWFRS; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
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 1-2002.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 1-4-0 oc.
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 17 lb uplift at joint 5, 72 lb uplift at joint 2, 20 lb uplift at joint 8 and 41 lb uplift at joint 7.
9) This truss is designed in accordance with the 2003 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

PALMER S. TINGEY
STATE OF WASHINGTON
30496
REGISTERED
PROFESSIONAL ENGINEER

City of Portland
REVIEWED FOR CODE
Jun 20 2007
Permit Number

EXPIRES: 08-01-08

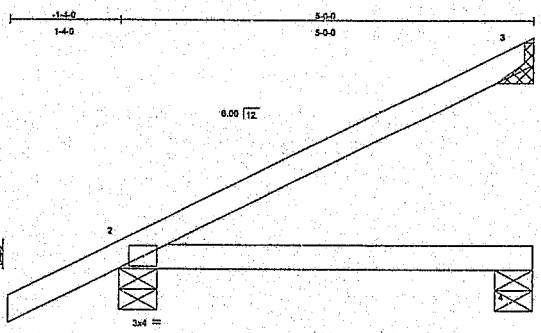
REGISTERED PROFESSIONAL ENGINEER
16890PE
OREGON
SEPTEMBER 21, 1993
PALMER S. TINGEY

EXPIRATION DATE: 06/30/08

May 4,2007

Job	Truss	Truss Type	Qty	Ply	JOHN PISICA TMK/SS	
3913	D2	JACK	15	1	Job Reference (optional)	R25203996

PRECISION ROOF TRUSSES, CLACKAMAS,OR. 97015 — 8.500 s Apr 2 2007 MiTek Industries, Inc. Fri May 04 08:28:09 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plates Increase	1.15	TC	0.21	Vert(LL)	-0.02	2-4	>999	240	MT20	220/195
TCDL	7.0	Lumber Increase	1.15	BC	0.16	Vert(TL)	-0.06	2-4	>915	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2003/TPI2002		(Matrix)							Weight: 17 lb	

LUMBER
TOP CHORD 2 X 4 DF No.1&Btr G
BOT CHORD 2 X 4 DF No.1&Btr G

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

REACTIONS (lb/size) 3=128/Mechanical, 2=308/0-5-8, 4=45/0-5-8
Max Horz 2=122(LC 5)
Max Uplift3=-70(LC 5), 2=-102(LC 5)
Max Grav 3=128(LC 1), 2=308(LC 1), 4=91(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/38, 2-3=-76/46
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 100mph; h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp C; enclosed; MWFRS; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 70 lb uplift at joint 3 and 102 lb uplift at joint 2.
7) This truss is designed in accordance with the 2003 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

PALMER S. TINGEY STATE OF WASHINGTON 30496 REGISTERED PROFESSIONAL ENGINEER

City of Portland EXPIRES: 08-01-08
REVIEWED FOR CODE COMPLIANCE
Joint 2
REGISTERED PROFESSIONAL ENGINEER 16890PE
Permit Number 07-11
OREGON SEPTEMBER 21, 1993 PALMER S. TINGEY

EXPIRATION DATE: 06/30/08
May 4,2007

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