

1507 SW HIGHLAND PKY REV01 RSO3-122699

RS.03.122699 REV.01.

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



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RESIDENTIAL 1 & 2 FAMILY PERMIT

03-112699-REV-01-RS

Site Address: 1507 SW HIGHLAND PKY

Issued: 10/30/03

PROJECT INFORMATION		Occ. Group	Const. Type
Single Family Dwelling	Alteration	R3 U1	V-N
Project Description: ADD SOME TRUSS DETAILS, TWO BEAMS ELIMINATED			
APPLICANT	CLASSIC BUILDING CO *JOE WARNER*	Phone (503) 635-8111	
PROPERTY OWNER	BETTY G KEGG et al	Phone	
CONTRACTOR	CLASSIC BUILDING CO *JOE WARNER*	Phone	

Project Details		Project Details	
Mechanical Subcontractor Label #	03-00509	Number of Stories	2
Plumbing Subcontractor Label #	03-15040	Water District	Portland Water Bureau
Zoning Enforcement Agency	Portland		
		PAID	

OCT 30 2003

CITY OF PORTLAND

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.

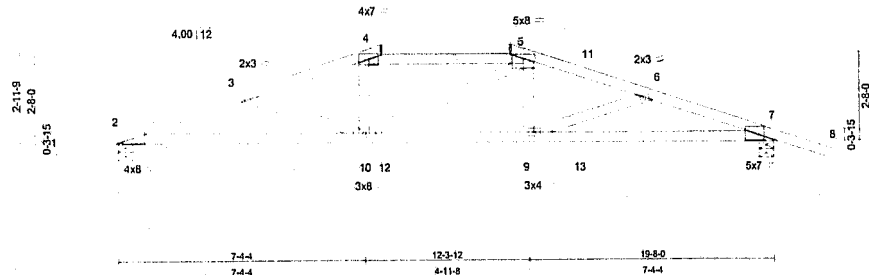
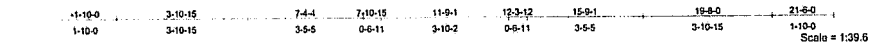
BEFORE YOU DIG ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952-001-0010 through OAR 952-001-0050. You may obtain copies of the rules by calling the center. (Note: the telephone number for the Oregon Utility Notification Center is 1-800-332-2344).

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

INSPECTION REQUEST PHONE NUMBERS	Building/Trade Inspections - Call Before 6:00 AM:	(503) 823-7000
TDD: (503) 823-6868		
IVR Inspection Request Number:	2284832	



03-112699-Rev 01-RS



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (lcl)	l/defl	Ltd	PLATES	GRIP
TCLL 25.0	Plates Increase	1.15	TC 0.61	Vert(TL)	-0.21	5-10	> 999	M120	220/195
TCOL 7.0	Lumber Increase	1.15	BC 0.89	Vert(TL)	-0.36	7-9	> 635		
BCLL 0.0	Rep Stress Incr	NO	WB 0.19	Horz(TL)	0.10	7	n/a		
BCOL 10.0	Code	UBC97/ANSI95	(Matrix)						

Weight: 84 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 No.3 G

BRACING
 TOP CHORD Sheathed or 2-8-2 oc purlins, except 2-0-0 oc purlins (2-10-0 max.); 4-5.
 BOT CHORD Rigid ceiling directly applied or 6-10-5 oc bracing.

REACTIONS (lb/size) 2 = 1915/10-5-8, 7 = 2212/10-5-8
 Max Horz 2 = 195 (load case 8)
 Max Uplift 2 = 414 (load case 9), 7 = 542 (load case 6)
 Max Grav 2 = 1953 (load case 2), 7 = 2249 (load case 3)

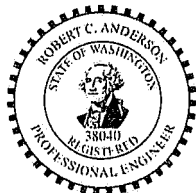
FORCES (lb) - First Load Case Only
 TOP CHORD 1-2 = 36, 2-3 = -4370, 3-4 = -4462, 4-5 = -4261, 5-11 = -4267, 6-11 = -4421, 6-7 = -4878, 7-8 = 36
 BOT CHORD 2-10 = 4075, 10-12 = 4148, 9-12 = 4148, 9-13 = 4517, 7-13 = 4517
 WEBS 3-10 = 207, 4-10 = 173, 5-10 = 125, 5-9 = 424, 6-9 = -382

NOTES

- 1) Wind: ASCE 7-98; 100mph; h = 26ft; TCCL = 4.2psi; BCCL = 6.0psi; Category II, Exp C; enclosed/MWISS interior zone; cantilever left and right exposed; and vertical left and right exposed; Lumber DOL = 1.33 plate grip DOL = 1.33.
- 2) Design load is based on 25.0 psf specified roof snow load.
- 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 per Table No. 16-B UBC-97.
- 5) A plate rating reduction of 20% has been applied for the green lumber members.
- 6) Provide mechanical connection (by other) of truss to bearing plate capable of withstanding 414 lb uplift at joint 2 and 542 lb uplift at joint 7.
- 7) Girder carries hip and with 7-11-4 and setback.
- 8) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10-0 nails.
- 9) Special hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 545.0lb down and 267.1lb up at 7-8-0 on top chord. The design/selection of such special connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- 1) Snow: Lumber Increase = 1.15, Plate Increase = 1.15
 Uniform loads (plf)
 Vert: 1-4 = -64.0, 4-5 = -159.0, 5-7 = -159.0, 7-8 = -64.0, 2-7 = +49.7
 Concentrated Loads (lb)
 Vert: 4 = -545.0



EXPIRES: 01-24-04



EXPIRATION DATE: 12-31-03

September 23, 2003

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITek REFERENCE PAGE M1-7473 BEFORE USE
 Design used for use only with MITek connectors. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Acceptability 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 web member. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding lateral bracing, quality control, storage, delivery, erection and bracing, consult D1843 Quality Standard, D50-89 Bracing Specification, and H10-91 Handling, Installing and Bracing Recommendations available from Truss Plate Institute, 523 O'Donoghue Drive, Waukegan, WI 53191.



PRECISION ROOF TRUSSES, CLACKAMAS, OR. 97015. Art Clarendon 5.100 s Jul 8 2003 Mitok Industries, Inc. Mon Sep 22 16:30:19 2003 Page 1

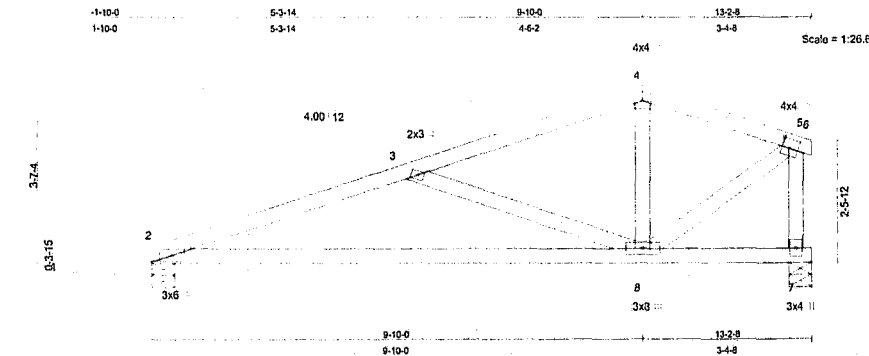


Plate Offsets (X,Y): [5:0-1-12,0-2-4]

LOADING	tpsf	SPACING	2-0-0	CSI	DEFLL	In	(ft/c)	I/d/dfl	L/d	PLATES	GRIP
7CLL	25.0	Plates increase	1.15	7C	0.28	-0.14	2-8	> 999	240	MII20	22P/195
TCDL	7.0	Number Increase	1.15	WC	0.28	0.29	2-8	> 521	n/a		
BCCL	7.0	Rep Stress Incr	YES	BG	0.42	0.01	7	n/a	180		
BCDL	10.0	Code UBC97/ANSI95		(Matrix)						Weight: 58 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 No.3 G

BRACING	
TOP CHORD	Sheathed or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 8-0-0 oc bracing.

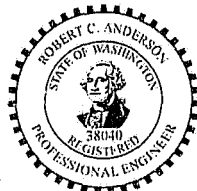
REACTIONS (lb/size) 2 = 675/0-5-8, 7 = 542/0-5-8
 Max Horz 2 = 93/load case 6)
 Max Uplift 2 = -197/load case 5), 7 = -83/load case 6)
 Max Grav 2 = 759/load case 2), 7 = 542/load case 1)

FORCES (lb) - First Load Case Only
 TOP CHORD 1-2 = 36, 2-3 = -985, 3-4 = -504, 4-5 = -477, 5-6 = 6, 5-7 = -557
 BOT CHORD 2-8 = 886, 7-8 = 2
 WEBS 3-8 = -486, 4-8 = 22, 5-8 = 534

NOTES

- 1) Wind, ASCE 7-98; 100mph; $h = 25ft$; $TCDL = 4.2psf$; $BCDL = 6.5psf$; Category II; Exp C; enclosure/MWFRS interior zone; cantilever left and right exposed; and vertical left and right exposed; Lumber DOL = 1.33 plate grip DOL = 1.33.
- 2) Design load is based on 25.0 psf stippled roof snow load.
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads per Table No. 16-B, UBC 97.
- 5) A plate rating reduction of 20% has been applied for the green lumber members.
- 6) Provide mechanical connection for others of truss to bearing plate capable of withstanding 197 lb up/lft at joint 2 and 83 lb up/lft at joint 7.

LOAD CASE(S) Standard



EXPIRES: 01-24-04



EXPIRATION DATE: 12-31-03

September 23, 2003

Warning - Verify design parameters and READ NOTES ON THIS AGG (INCLUDES MITEK REFERENCE PAGE MH-T45) BEFORE USE
Design value is for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded with care. Violation of design parameters and/or improper installation of component is responsibility of building designer, not truss designer. Gracing shall be for lateral support of design 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 see Mitek Corporation's Mitek Truss Design Manual, MTD-100, and Mitek Corporation's Mitek Truss Design Specification, and MID-90. Handling, Installing and Gracing Recommendations available from Truss Plate Institute, 553 D'Oroville Drive, Madison, WI 53719.



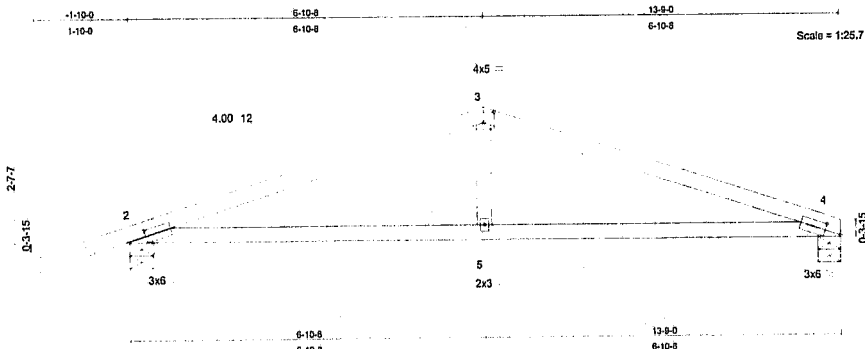


Plate Offsets [X,Y]: [2:0-3, 14:0, 1-8], [3:0-2, 8:0-2, 8], [4:0-3, 14:0, 1-8]

LOADING (psf)	SPACING	2:0-0	CSI	DEFL	In	(ft)	(dof)	Lid	GRIP
TCLL 25.0	Plates Increase	1.15	TC 0.51	Vert(TL)	-0.10	4-5	> 999	240	220/195
TCOL 7.0	Lumber Increase	1.15	BC 0.70	Vert(TL)	0.04	1	> 613	180	
BCCL 0.0	Rep Stress Incr	NO	WB 0.21	Horz(TL)	0.04	4	n/a	n/a	
BCDL 10.0	Code	UBC97/ANSI98	(Matrix)						

Weight: 44 lb

LUMBER
 TOP CHORD 2 X 4 DF No.168ir G
 BOT CHORD 2 X 4 DF No.168ir G
 WEBS 2 X 4 DF No.3 G

BRACING
 TOP CHORD Sheathed or 3-8-15 or purflins.
 BOT CHORD Rigid ceiling directly applied or 9-9-7 or bracing.

REACTIONS (lb/size) 2 = 1257/0-5-6, 4 = 1104/0-5-8
 Max Horz 2 = 63(load case 7)
 Max Uplift 2 = 269(load case 5), 4 = 179(load case 6)
 Max Draw 2 = 1264(load case 2), 4 = 1104(load case 1)

FORCES (lb) - First Load Case Only
 TOP CHORD 1-2 = 35, 2-3 = 2536, 3-4 = 2519
 BOT CHORD 2-5 = 2336, 4-5 = 2336
 WEBS 3-5 = 356

NOTES

- 1) Wind: ASCE 7-98; 100mph; h = 25ft; TCCL = 4.2psf; BCCL = 6.0psf; Category II; Exp C; enclosed; MWFRS interior zone; cantilever left and right exposed; and vertical left and right exposed; Lumber DOL = 1.33 plate grip DOL = 1.33.
- 2) Design load is based on 25.0 psf specified roof snow load.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads per Table No. 16-B - UBC-97.
- 4) A plus rating reduction of 20% has been applied for the green lumber members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 289 lb uplift at joint 2 and 179 lb uplift at joint 4.
- 6) Girders carries hip and with 6-10-8 and setback
- 7) Special hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 788.3lb down and 386.4lb up at 6-10-8 on top chord. The design/selection of such special connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
 1) Show: Lumber Increase = 1.15, Plate Increase = 1.15
 Uniform Loads (plf)
 Vert: 2-4 = 44.4, 1-3 = 64.0, 3-4 = 64.0
 concentrated Loads (lb)
 Vert: 3 = 788.3



EXPIRES: 01-24-04



EXPIRATION DATE: 12-31-03

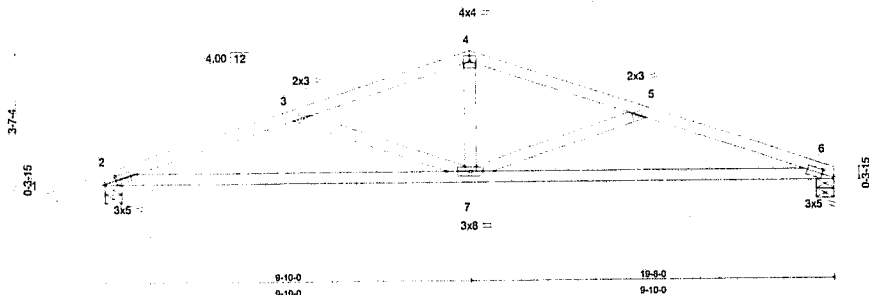
September 23, 2003

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MH-7473 BEFORE USE
 Design valid for use only with Mittek connectors. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. 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 installation, quality control, storage, delivery, erection and bracing, consult Q2740 Quality Standard, Q2849 Bracing Specification, and 199-91 Handed Installation and Bracing Recommendation available from Truss Plate Institute, 833 D'Oroville Drive, Madison, WI 53719.



1-15-0 5-3-14 9-10-0 11-4-2 19-8-0
 1-10-0 5-3-14 4-6-2 4-6-2 5-3-14

Scale = 1:35.8



Plato Offsets (X,Y): [2:0-3-14,0-1-8], [6:0-3-14,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	l/d	L/d	PLATES	GRIP
TCCL 25.0	Plates Increase	1.15	TC 0.32	Vort(LL)	-0.13	2-7	> 999	M120	220/195
TCOL 7.0	Lumber Increase	1.15	SC 0.52	Vort(TL)	-0.28	6-7	> 915		
BCCL 0.0	Reg Stress Incr	YES	WB 0.27	Horz(TL)	0.04	E	n/a		
BCOL 10.0	Code	UC97/ANSI95	(Matrix)						
								Weight: 76 lb	

LUMBER
 TOP CHORD 2 X 4 DF No.16Btr G
 BOT CHORD 2 X 4 DF No.16Btr G
 WEBS 2 X 4 DF No.3 G

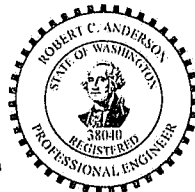
BRACING
 TOP CHORD Sheathed or 4-7-6 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2 = 946/0-5-8, 6 = 800/0-5-8
 Max Horiz 2 = 76(load case 7)
 Max Uplift 2 = -220(load case 5), 6 = -122(load case 6)

FORCES (lb) - First Load Case Only
 TOP CHORD 1-2 = 35, 2-3 = -1791, 3-4 = -1356, 4-5 = -1357, 5-6 = -1814
 BOT CHORD 2-7 = 1642, 6-7 = 1681
 WEBS 3-7 = -427, 4-7 = 524, 5-7 = -469

- NOTES
 1) Wind: ASCE 7-98; 100mph; h = 25ft; TCCL = 4.2psf; BCCL = 6.0psf; Category II; Exp C2 enclosed; MWFRS interior zone; cantilever left and right exposed; and vertical left and right exposed; Lumber DOL = 1.33 plate grip DOL = 1.33.
 2) Design load is based on 25.0 psf specified roof snow load.
 3) Unbalanced snow loads have been considered for this design.
 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads per Table No. 16-B UBC-97.
 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 228 lb uplift at joint 2 and 122 lb uplift at joint 6.

LOAD CASE(S) Standard



Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE M11-7433 BEFORE USE
 Design valid for use only with Mittek connectors. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. 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 Q31-08 Quality Standard, D35-89 Bracing Specification, and H1B-91 Handling, Installing and Bracing Recommendation available from Truss Plate Institute, 145 O'Connell Drive, Waukegan, WI 53191



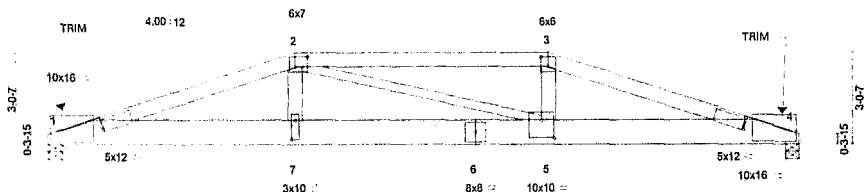


Plate Offsets (X,Y): [1:0-4-0,0-1-1], [1:0-3-9,0-5-1], [12:0-2-0,0-4-0], [13:0-3-0,0-3-13], [14:0-3-8,0-5-2], [15:0-5-0,0-0-9], [16:0-5-0,0-7-0], [17:0-7-8,0-1-8]									
LOADING	SPACING	2-0-0	CSI	DEFL	In	l/defl	Lid	PLATES	GRP
TCLL 25.0	Plates Increase	1.15	TC 0.71	Vert(L)	-0.30	5-7	> 570	240	MI120
TCDL 7.0	Lumber Increase	1.15	BC 0.89	Vert(TL)	-0.47	5-7	> 613	180	MI16H
BCLL 0.0	Rep Stress Incr	NO	WB 0.31	Horz(TL)	0.08	4	n/a	n/a	
BCDL 10.0	Code	UBC97/ANSI99	(Simplified)						
								Weight:	315 lb

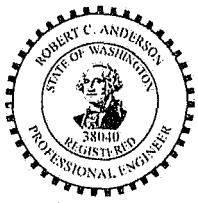
LUMBER	TOP CHORD	2 X 6 DF No. 2 G *Except*	BRACING	TOP CHORD	Sheathed or 3-7-1 oc purlins, except
		2-3 X 6 DF SS-G			2-0-0 oc purlins (4-3-8 max): 2-3
BOT CHORD	2 X 10 DF SS-G		BOT CHORD		Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2 X 6 DF No. 2 G *Except*				
	2-6 X 4 DF Sld-G				

REACTIONS	(lb/size)	1 = 4451/0-5-8, 4 = 5744/0-5-8
		Max Horz 1 = 32(lb load case 7)
		Max Uplift 1 = 803(lb load case 5), 4 = 1040(lb load case 6)
		Max Grav 1 = 498(lb load case 2), 4 = 6467(lb load case 3)

FORCES (lb)	First Load Case Only
TOP CHORD	1-2 = 14133, 2-3 = 12899, 3-4 = 13482
BOT CHORD	1-7 = 13519, 6-7 = 13619, 5-6 = 13519, 4-5 = 12899
WEBS	2-7 = 3794, 2-5 = -046, 3-5 = 3394

- NOTES
- 2-ply truss to be connected together with 0.131"x3" Nails as follows:
 Top chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
 Bottom chords connected as follows: 2 X 10 - 3 rows at 0-4-0 oc.
 Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 6 - 2 rows at 0-9-0 oc.
 - Wind: ASCE 7-98; 100mph; h = 25ft; TCCL = 4.2psf; BCCL = 6.0psf; Category II; Enclosed; MWFRS interior zone; cantilever left and right exposed; and vertical left and right exposed; Uplift DOL = 1.33 plate grip DOL = 1.33.
 - Design load is based on 25.0 psf specified roof snow load.
 - Provide adequate drainage to prevent water ponding.
 - All plates are MI120 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads per Table No. 10-B UBC-97.
 - 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 803 lb uplift at joint 1 and 1040 lb uplift at joint 4.
 - Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
 - Special hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2381.6lb down and 379.5lb up at 8-0-0 on bottom chord. The design/selection of such special connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Snow: Lumber Increase = 1.15, Plate Increase = 1.15
Uniform Loads (plf)
Vert: 1-2 = -64.0, 2-3 = -64.0, 3-4 = -64.0, 1-7 = -20.0, 4-7 = -398.0
Concentrated Loads (lb)
Vert: 1 = -2073.0



EXPIRES: 01-24-04



EXPIRATION DATE: 12-31-03
 September 23, 2003

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5.100 s May 30 2003 M:Tek Industries, Inc. Tue Sep 23 14:42:20 2003 Page 1

1-10-0	7-11-4	12-3-0	16-6-12	24-6-0	28-4-0
1-10-0	7-11-4	4-3-12	4-3-12	7-11-4	1-10-0

Scale 1:407

Will Sommers
Per Chicago

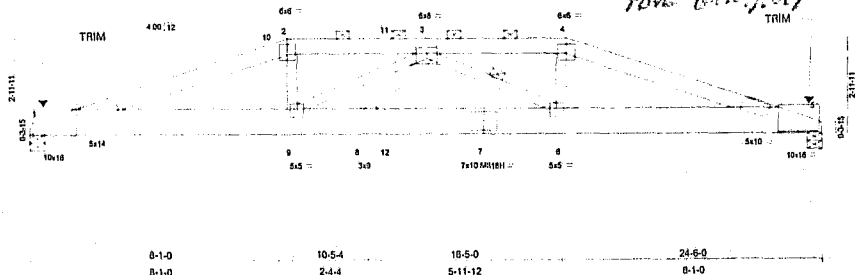


Plate Offsets (X,Y): [1:0-1-7,0-0-5], [1:0-0-8,0-0-1], [2:0-3-0,0-3-12], [3:0-4-0,0-2-4], [4:0-3-0,0-3-8], [5:0-0-11,Edge], [5:0-3-7,0-0-5], [6:0-2-6,0-3-0], [8:0-4-3,0-1-0], [9:0-2-8,0-3-0]

[illegible]

LUMBER
TOP CHORD 2 X 6 DF No.2 G
BOT CHORD 2 X 10 DF SS G
WEBS 2 X 4 DF No.3 G

BRACING
TOP CHORD

BOT CHORD
WEBS

Sheathed or 1-6-2 oc purlins, except
2-0-0 oc purlins (2-2-5 max.): 2-4,
Rigid ceiling directly applied or 9-9-9
1 Row at night 3-6

REACTIONS (lb/size) 1=2771/0-5-8, 5=2027/0-5-8
Max Horiz 1=31(load case 7)
Max Uplift 1=-495(load case 5), 5=-359(load case 6)
Max Grav 1=3052(load case 2), 5=2198(load case 3)

FORCES (lb) - First Load Case Only

TOP CHORD	1-10=7898, 2-10=-7583, 2-11=7540, 3-11=-7545, 3-4=-5624, 4-5=-5871
BOT CHORD	1-9=7480, 4-9=8548, 8-12=7406, 7-12=7406, 6-7=7406, 5-6=5545
WEBS	2-9=1047, 4-8=1255, 3-9=-1153, 3-6=-2041, 3-8=1759

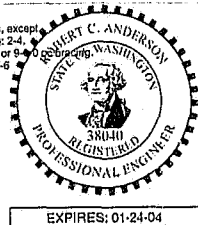
NOTES

- 1) Wind: ASCE 7-98; 100mph; z vertical; $TCDL = 4.2psf$; $BCDL = 0.9psf$; Category I; Exp C; enclosed; MWFRS interior zone; canilever left and right exposed; and 25% left and 25% right exposed; Lumber: DOL = 1.33, plate girth DOL = 1.33.
- 2) Design load is based on 25.0 psf specified roof snow load.
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are M120 plates unless otherwise indicated.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads per Table No. 16-B, UBC-97.
- 6) A plastic rafter reduction of 20% has been applied for the green lumber members.
- 7) Design assumes 4x2 (flat orientation) purlins at 0 spacing indicated, fastened to truss TC w/ 2-10d nails.
- 8) Special hangers and/or other connection details shall be provided sufficient to support concentrated loads @ 625, 116 down and 99, 116 up on plates and 289, 116 up and 10-4 down on bottom chord. The design/selection of such special connection devices is the responsibility of others.

LOAD CASE(S) Standard

- 1) Snow: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Var: 1-10=-64.0, 2-10=-159.0, 2-11=-159.0, 4-11=-64.0, 4-5=-64.0, 1-12=-50.0, 5-12=-20.0

Continued on page 2



EXPIRATION DATE: 12-31-03
September 23, 2003

Warning: Vary design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-743 BEFORE USE
Design loads for use only with MITEK connectors. The design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. 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 applicability of design, see MITEK Corporation's MITEK Truss Design Manual, Vol. 1, "General Design Information," and MITEK Specification, and Engineering Instructions and Design Recommendations available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



Job	Truss	Truss Type	Qty	Ply	CLASSIC BLDG MWSS	R10210657
3316	B1	HIP	1	1	Job Reference (optional)	

PRECISION ROOF TRUSSES, CLACKAMAS, OR. 97015

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LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 8=-1578.0 10=-545.0

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MH-7413 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 to be installed and loaded vertically. Applicability of design parameters are 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 ensure 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 D31-35 Quality Standard, D30-36 Erection Specification, and MH-31 Handling, Bracing and Bracing Recommendation available from Truss Plate Institute, 443 O'Donoghue Drive, Jackson, WI 53119.



PRECISION ROOF TRUSSES, CLACKAMAS, OR, 97015, Art Cusano

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LOADING (psf)	SPACING	CBI	DEFL	in (dof)	l/d(r)	L/L	PLATES	GRP
TCLL 25.0	Plates Increase 2-0-0	TC 0.45	Vert(LL) -0.37	10-12	> 643	240	M120	220/125
TCDL 7.0	Lumber Increase 1.15	BC 0.81	Vert(TL) 0.17	4	> 106	180	M118H	170/143
BCLL 0.0	Rep Stress Incr YES	WB 0.54	Horz(TL) 0.09	8	n/a	n/a		
BCDL 10.0	Code UBC97/ANSI95	(Matrix)						
							Weight: 108 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 DF No. 18Btr G	TOP CHORD Sheathed or 3-6-15 oc purlins, except
BOT CHORD 2 X 4 DF No. 18Btr G	2-0-0 oc purlins (3-11-15 max); 3-6
WEBS 2 X 4 DF No. 3 G "Except"	Rigid ceiling directly applied or 7-4-14 oc bracing.
6-12 2 X 4 DF Std-G, 5-10 2 X 4 DF Std-G	

REACTIONS (lb/size) 2 = 1260/0-5 a, P = 1260/0-5-8
Max Horz 2 = 95 (load case B)
Max Uplift 2 = 375 (load case 5), 8 = 375 (load case 6)
Max Grav 2 = 1299 (load case 2), 8 = 1299 (load case 3)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2 = 38, 2-3 = 2869, 3-4 = 57, 3-13 = 2838, 5-13 = 2038, 5-14 = 2038, 6-14 = 2638, 6-7 = 57, 6-8 = 2869
BOT CHORD 2-12 = 2862, 11-12 = 3041, 10-11 = 3041, 8-10 = 2862
WEBS 3-12 = 385, 5-12 = 434, 6-10 = 434, 6-10 = 385

- NOTES
- 1) Wind: ASCE 7-98; 100mph; h = 25ft; TCCL = 4.2psf; BCCL = 6.0psf; Category II; Exp C; enclosed; MWFRS interior zone; cantilever left and right exposed; and Vertical left and right exposed; Lumber DOL = 1.33 plate grip DOL = 1.33,
 - 2) Design load is based on 25.0 psf specified roof snow load.
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) All plates are M120 plates unless otherwise indicated.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads per Table No. 10-B UBC 97.
 - 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 375 lb uplift at joint 2 and 375 lb uplift at joint 8.
 - 9) Design assumes 4x2 (flat orientation) pulls at oc spacing indicated, tensioned to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard



EXPIRES: 01-24-04



EXPIRATION DATE: 12-31-03
September 23, 2003

Warning - Verify design parameters and READ NOTES on THIS AND INCLUDED MITTEK REFERENCE PAGE MM-7473 BEFORE USE
Design valid for use only with MITTEK connectors. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer, not issue responsibility of the erector. Additional permanent bracing to insure stability during construction is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult DSI-08 C Utility Standard, DSI-09 Bracing Specification, and HIB-01 Handling, Erection and Bracing Recommendations available from Truss Plate Institute, 580 D'Oroville Drive, Madison, WI 53719



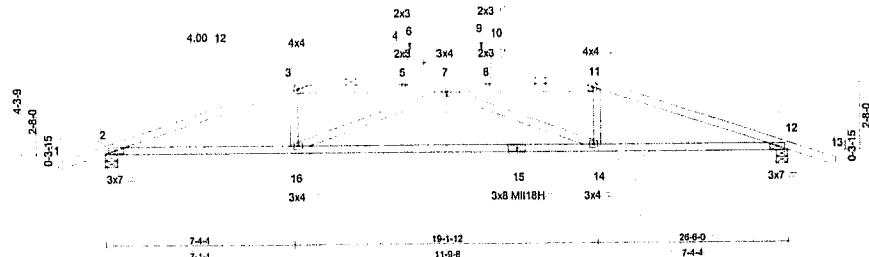


Plate Offsets (X,Y): (3,0-1-12,0-2-0), (11,0-1-12,0-2-0)

LOADING (psf)	SPACING	2-0-0	CSI	D-CP	In (loc)	l/dalt	L/d	PLATES	GRIP
TCCL 25.0	Plates Increase	1.15	TC 0.43	Vert(TL)	-0.37	14-16	>844	M1120	220/195
TCCL 7.0	Lumber Increase	1.15	BC 0.80	Vert(TL)	-0.79	14-16	>394	M1118H	170/148
BCCL 0.0	Rep Stress Incr	YES	WB 0.54	Horz(TL)	0.09	12	n/a		
BCCL 10.0	Code	UBC97/ANSI95	(Matrix)						

Weight: 117 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 No.3 G "Except"
 7-16 2 X 4 DF Std-G, 7-14 2 X 4 DF Std-G
 OTHERS 2 X 4 DF No.3 G

BRACING
 TOP CHORD Sheathed or 3-7-10 oc purlins, except
 2-0-0 oc purlins (4-0-4 max.); 3-11. Except:
 1 Row at midpt 3-5, 8-11
 Rigid ceiling directly applied or 7-7-5 oc bracing.
 1 Brace at Jt(15): 5, 8
BOT CHORD
JOINTS

REACTIONS (lb/ft) 2 = 1243/0-5-8, 12 = 1243/0-5-8
 Max Horz 2 = 79 (load case 7)
 Max Uplift 2 = -346 (load case 5), 12 = -346 (load case 5)
 Max Grav 2 = 1256 (load case 2), 12 = 1256 (load case 3)

FORCES (lb) - First Load Case Only
 TOP CHORD 1-2 = 36, 2-3 = -2807, 3-4 = -80, 4-5 = -5, 3-5 = -2578, 5-7 = -2578, 7-8 = -2578, 8-11 = -2578, 9-10 = -5,
 10-11 = -60, 11-12 = -2807, 12-13 = 36
 BOT CHORD 2-16 = 2602, 15-16 = 2956, 14-15 = 2956, 12-14 = 2602
 WEBS 3-16 = 393, 7-16 = -451, 7-14 = -451, 11-14 = 393, 4-5 = -109, 8-10 = -109

- NOTES**
 1) Wind: ASCE 7-98; 100mph; h = 25ft; TCCL = 4.2psf; BCCL = 6.0psf; Category II; Exp C; enclosed; MWFRS Interior zone;
 cantilever left and right exposed; and vertical left and right exposed; Lumber DOL = 1.33 plate grip DOL = 1.33.
 2) Design load is based on 25.0 psf specified roof snow load.
 3) Unbalanced snow loads have been considered for this design.
 4) Provide adequate drainage to prevent water ponding.
 5) All plates are M1120 plates unless otherwise indicated.
 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads per Table No. 16-B
 - UBC 97.
 7) plate rating reduction of 20% has been applied for the green lumber members.
 8) Provide mechanical connection (by other) of truss to bearing plate capable of withstanding 346 lb uplift at joint 2 and 346 lb
 uplift at joint 12.
 9) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard



EXPIRES: 01-24-04



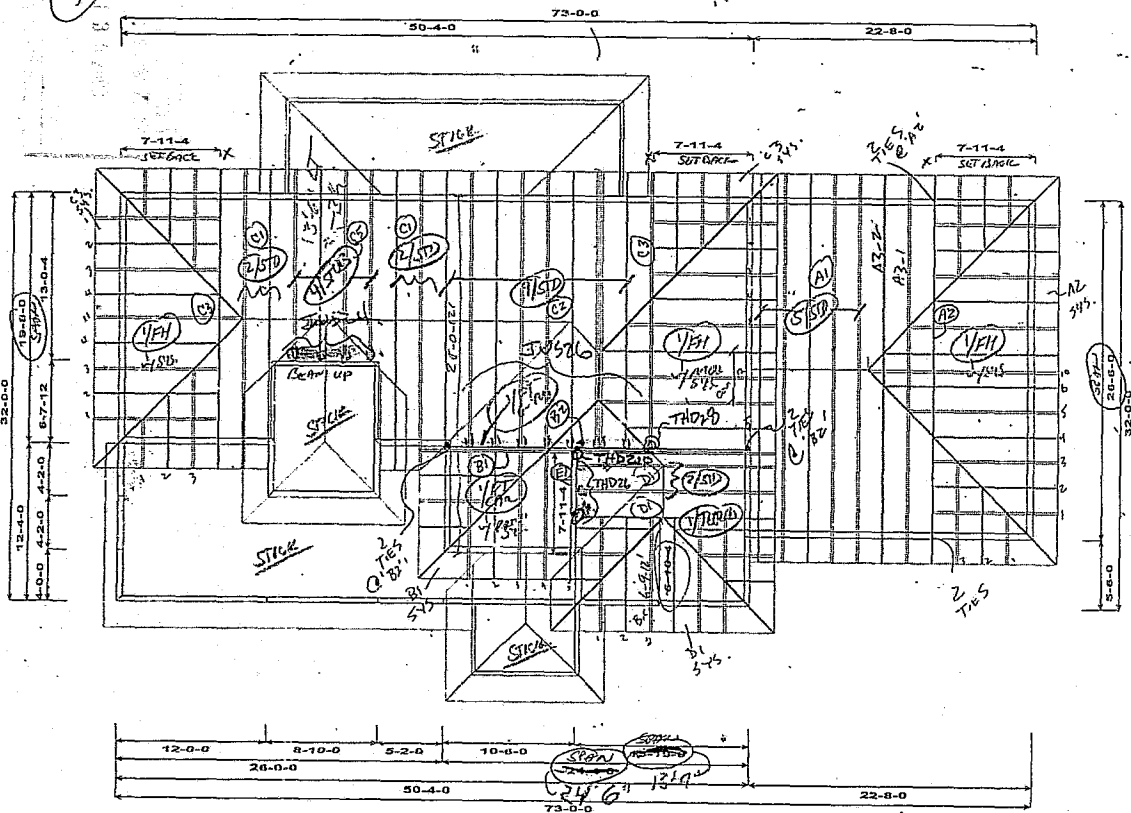
EXPIRATION DATE: 12-31-03
 September 23, 2003

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITAK REFERENCE PAGE M11-7473 BEFORE USE
 Design valid for use only with Mitak connectors. This design is based only upon parameters shown, and is for an individual building component to be
 installed and loaded variably. 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 ensure 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 D01-45 Quality Standard, D08-49 Bracing Specification, and F08-91
 Handling, Erection and Bracing Recommendations available from Truss Plate Institute, 353 O'Connell Drive, Kadesau, WI 53119

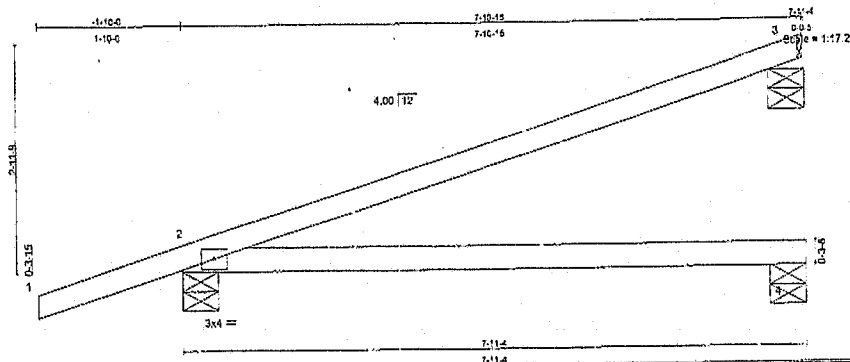


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JOB	Truss	Truss Type	Qty	Sp	CLASSIC BLDG MFG/SS	R10630118
3310	A2JB-4	JACK	2	1	Job Reference (Optional)	
PRECISION ROOF TRUSSES, CLACKAMAS, OR 97016, Mike Merrihan 5:00 2 JUL 8 2003 Mitek Industries, Inc. Web Oct 25 12:00:50 2003 Page 1						



LOADING (psf)	SPACING	CSI	DEFL	In	Defl	L'd	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.63	Vert(L) -0.15	2-4	> 616	240	MI120	220/195
TCDL 7.0	Plates Increase 1:15	BC 0.42	Vert(7L) -0.12	1	> 214	180		
BC-L 0.0	Lumber Increase 1:15	WB 0.00	Horz(TL) -0.00	3	n/a	n/a		
BCDL 10.0	Rep Stress Incl YES	[Matrix]						
	Code UBC97/ANSI95							
							Weight: 25 lb	

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

BRACING
 TOP CHORD Sheathed or 6-0-0 on purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 on bracing.

REACTIONS (lb/ft) 3 = 221/0-5-8, 2 = 434/0-5-8, 4 = 75/0-5-8
 Max Horz 2 = 126 (load case 3)
 Max Uplift 3 = 104 (load case 3), 2 = 155 (load case 3)
 Max Grav 3 = 221 (load case 1), 2 = 464 (load case 1), 4 = 160 (load case 2)

FORCES (lb) - First Load Case Only
 TOP CHORD 1-2 = 30, 2-3 = 57
 BOT CHORD 2-4 = 0

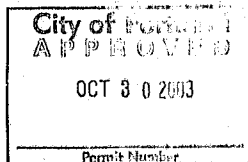
NOTES

- 1) Wind: ASCE 7-98; 100mph; h = 28ft; TCDL = 4.2psf; BCDL = 0.0psf; Category II; Exp. C; enclosed w/MSRS interior zone; cantilever left and right exposed; and vertical left and right exposed; Lumber DOL = 1.33 plate slip DOL = 1.33.
- 2) Design load is based on 25.0 psf specified roof snow load.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads per Table No. 10-B, UBC-97.
- 4) A plate rating reduction of 20% has been applied for the green lumber members.
- 5) Provide mechanical connection (by other) of truss to bearing plate capable of withstanding 104 lb uplift at joint 3 and 155 lb uplift at joint 2.
- 6) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3.

LOAD CASE(S) Standard



EXPIRES: 01-24-04



EXPIRATION DATE: 12-31-03

October 29, 2003

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE 11/14/03 BEFORE USE
 Design is for use only with Mitek connection. This design is based on design parameters and engineering information of component is responsibility of building designer, not Mitek. Mitek is not responsible for design or construction of individual members only. Add-on temporary bracing to insure stability during construction is the responsibility of the engineer. Additional permanent bracing of live member structure is the responsibility of the building designer. For correct, accurate, and complete information, quality control, storage, delivery, erection and bracing, consult MITEK's Quality Standard, Q300-07 Bracing Specification, and MITEK's Handing Instructions and Bracing Recommendation available from Truss FMEA Website, 883 Columbia Drive, Madison, WI 53719.



Memorandum

To: Joe Warner
From: Timothy L Schweitzer, SE
Date: 10/29/2003
Re: Ceroni Residence: Revised 2nd Floor Framing at the Stair

The revised framing, per the sketch provided by Joe Warner, is structurally acceptable.

