

**CITY OF SACRAMENTO**  
New City Hall, 915 I St., 3rd Floor, Sacramento, CA 95814

Permit No: **0615805**  
Insp Area: **2**  
Thos Bros: **336J3**

Site Address: **906 LAKE FRONT DR SAC**  
Parcel No: **031-1220-048**

Sub-Type: **RES**  
Housing (Y/N): **N**

CONTRACTOR  
WEATHERTITE ROOFING  
4661 SUMMER CREEK CT  
SHINGLE SPRINGS, CA 95682

OWNER  
NGUYEN KIEN D  
906 LAKE FRONT DR  
SACRAMENTO, CA 95831

ARCHITECT

**Nature of Work: REROOF-- T/O, RESHEET-- INSTALL 55 SQRS OF LIGHT WEIGHT TILE-- IN PROGRESS INSPECTION REQUIRED**

**CONSTRUCTION LENDING AGENCY:** I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C).

Lender's Name \_\_\_\_\_ Lender's Address \_\_\_\_\_

**LICENSED CONTRACTORS DECLARATION:** I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

License Class C-39 License Number 420375 Date 10/10/06 Contractor Signature Carolyn Peet

**OWNER-BUILDER DECLARATION:** I hereby affirm under penalty of perjury that I am exempt from the contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code; any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500.00);

I, as a owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his/her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he/she did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he/she did not build or improve for the purpose of sale.)

I am exempt under Sec. \_\_\_\_\_ B & PC for this reason: \_\_\_\_\_  
Date \_\_\_\_\_ Owner Signature \_\_\_\_\_

**PAID**  
CITY OF SACRAMENTO  
OCT 10 2006

**IN ISSUING THIS BUILDING PERMIT,** the applicant represents, and the city relies on the representation of the applicant, that the applicant verified all measurements and locations shown on the application or accompanying drawings and that the improvement to be constructed does not violate any law or private agreement relating to permissible or prohibited locations for such improvements. This building permit does not authorize any illegal location of any improvement or the violation of any private agreement relating to location of improvements.

I certify that I have read this application and state that all information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction and hereby authorize representative(s) of this city to enter upon the abovementioned property for inspection purposes.

Date 10/10/06 Applicant/Agent Signature Carolyn Peet

**WORKER'S COMPENSATION DECLARATION:** I hereby affirm under penalty of perjury one of the following declarations:

I have and will maintain a certificate of consent to self-insure for workers' compensation as provided for by Section 3700 of the Labor Code, for the performance of work for which the permit is issued.

CP I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier **STATE FUND** Policy Number **1271896-2004** Exp Date **10/01/2007**

(This section need not be completed if the permit is for \$100 or less) I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date 10/10/06 Applicant Signature Carolyn Peet

**WARNING:** FAILURE TO SECURE WORKER'S COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000) IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST AND ATTORNEY'S FEE.

**THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS.**



PZSE  
STRUCTURAL ENGINEERING  
4701 LAKESIDE WAY  
FAIR OAKS, CA 95628  
TEL: (916) 961-3980  
FAX: (916) 961-6662  
WWW.PZSE.COM

PZSE, Inc. - Structural Engineers  
4701 Lakeside Way  
Fair Oaks, CA 95628

(916) 961-3980  
(916) 961-6662  
mail@pzse.com

### RECOMMENDATIONS:

If any of the following recommendations do not correspond to actual field conditions, the engineer of record shall be notified for further investigation and evaluation before continuing work.

#### Roof Structure:

1. Provide additional 2x4 struts from the existing purlins to the bearing walls below. The maximum spacing between the new and existing struts shall not exceed 6'-0" on center. The unbraced length of the struts shall not exceed 8'-0" and the minimum slope of the struts shall not be less than 45 degrees from the horizontal. See detail 1.
2. Scab a 1 3/4" x 9 1/4" x 14'-0" long LVL to the existing 2x6 purlin which spans 12'-6". Attach it with 16d's @ 3" on center. Support the LVL to the bearing walls below with 2x4 struts. See details 1 and 2.
3. Scab two (2) 2x6 rafters to each existing 2x6 rafters with 16d's @ 12" on center where the span is greater than 12'-0". The rafter to be scabbed to the existing rafter may be held short of the intersecting bearing wall, hip, valley, ridge or purlin by no more than 4". See detail 1.
4. Shim the areas as required where the existing sags occur to provide an even contour at the roof level. See detail 1.
5. Scab a 1 3/4" x 11 7/8" LVL beam to the existing 2x6 crosstie and nail together with 16d's @ 6" oc. The ends of the LVL may be clipped as required to meet the slope of the rafters. The support at the interior wall shall be a 2x8 x 2'-8" long ledger attached to the double top plate with 16d's @ 2" oc staggered. Support the existing valley boards to the LVL beam with 2x4 struts. See details 1 and 3.
6. Scab a 1 3/4" x 11 1/4" LVL to the existing header. Jack up the existing beam as required where the existing sag occurs to provide an even contour at the roof level before installation of the LVL. See details 1 and 4.

It shall be noted that small hairline cracking may occur at exterior stucco and interior gypboard finished walls that are load bearing or distributing roof strut loads. These cracks are a natural occurrence as the existing structure re-distributes the new roof weight. They are cosmetic in nature and are not an indication of a structural hazard or failure.

It shall be noted that some deflection of the rafters may be evident after installation of the tile. The existing roof framing has deflected but this may not be readily evident due to the uneven nature of the existing roofing material. Concrete tile is a very consistent and uniform product and when installed in an even plane, even small deflections can become apparent. This is only a cosmetic issue and not a structural concern.

PZSE, Inc. - Structural Engineers  
4701 Lakeside Drive  
Fair Oaks, CA 95622  
Phone: (916) 961-2880  
Fax: (916) 961-8552  
E-mail: pzse@pzse.com

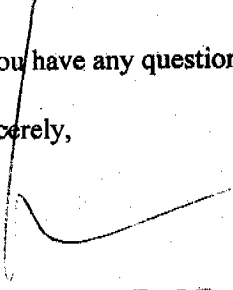
PZSE, Inc. - Structural Engineers  
4701 Lakeside Drive  
Fair Oaks, CA 95622

(916) 961-2880  
(916) 961-8552  
pzse@pzse.com

The inspection consisted of visual observation only, made solely to determine the structural capacity of the existing roof. Analysis does not determine any effects on the overall structure under lateral forces or effects on the foundation unless specifically noted in the calculations and in this document. No warranties, expressed or implied, are made or intended in conjunction with this report. The inspection was made only to the portions that were accessible. The specific items noted were those that were observable and there may be defects that are not observable, or are hidden by architectural and structural materials.

If you have any questions on the above, do not hesitate to call.

Sincerely,



Paul Zacher, P.E., S.E.  
file



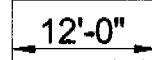
LOADING:

Rafter:

Dr = 12.3 psf x 2'-0" = 24.6 plf  
 Lr = 16.0 psf x 2'-0" = 32.0 plf

2x6 #2

24.6 / 32.0

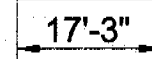


Rafter:

Dr = 12.3 psf x 2'-0" = 24.6 plf  
 Lr = 16.0 psf x 2'-0" = 32.0 plf

3-2x6 #2

24.6 / 32.0

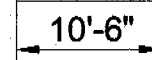


Vault:

Dr = 15.6 psf x 2'-0" = 31.2 plf  
 Lr = 16.0 psf x 2'-0" = 32.0 plf

2x6 #2

31.2 / 32.0

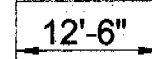


purlin:

Dr = 12.3 psf x 10'-0" = 123 plf  
 Lr = 16.0 psf x 10'-0" = 160 plf

1 3/4" x 9 1/4" LVL

123 / 160



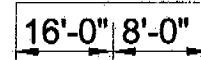
LVL:

Pdr = 12.3 psf x 7' x 7' = 603 lbs  
 Plr = 16.0 psf x 7' x 7' = 784 plf

1-3/4"x11 7/8" LVL

603 / 784

R1 = 402 / 523



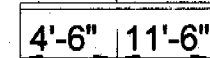
B1:

Dr = 12.3 psf x 7'-0" = 86 plf  
 Lr = 16.0 psf x 7'-0" = 112 plf  
 Pd/lr = 402 / 523 = LVL

4x12 #2 + 1-3/4"x11-1/4" LVL

402 / 523

86 / 112

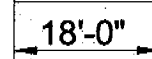


B2:

Dr = 15.6 psf x 11'-0" = 172 plf  
 Lr = 16.0 psf x 11'-0" = 176 plf

6x12 #1

172 / 176

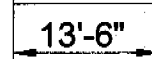


B3:

Dr = 12.3 psf x 7'-0" = 86 plf  
 Lr = 16.0 psf x 7'-0" = 112 plf

4x12 #2

86 / 112



# PZSE, Inc

Title :  
Dsgnr:  
Description :

Date: Job #

Scope :

Rev: 580005  
User: KW-0602844, Ver 5.8.0, 1-Dec-2003  
(c)1983-2003 ENERCALC Engineering Software

## Timber Beam & Joist

Young.ecw:Calculations

### Description RAFTERS AND BEAMS

Timber Member Information Code Ref: 1997/2001 NDS, 2000/2003 IBC, 2003 NFPA 5000. Base allowables are user defined

	rafter	rafter	vault	putln	LVL	B1	B2
Timber Section	2x6	3-2x6	2x6 MicroLam: 1.75x9.2		MicroLam: 1.75x11.1x12#2+1.75x11.875	6x12	
Beam Width	1.500	4.500	1.500	1.750	1.750	6.186	5.500
Beam Depth	5.500	5.500	5.500	9.250	11.875	11.250	11.500
Le: Unbraced Length	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Timber Grade	Douglas Fir - Larch, No.2	Douglas Fir - Larch, No.2	Douglas Fir - Larch, No.2	Truss Joist - MacMillan,	Truss Joist - MacMillan,	Custom, LVL + DF#2	Douglas Fir - Larch, No.1
Fb - Basic Allow	875.0	875.0	875.0	2,600.0	2,600.0	1,450.0	1,350.0
Fv - Basic Allow	95.0	95.0	95.0	285.0	285.0	158.0	85.0
Elastic Modulus	1,600.0	1,600.0	1,600.0	1,900.0	1,900.0	1,700.0	1,600.0
Load Duration Factor	1.250	1.250	1.250	1.250	1.250	1.250	1.250
Member Type	Sawn	Sawn	Sawn	Manuf/Pine	Manuf/Pine	Manuf/Pine	Sawn
Repetitive Status	Repetitive	Repetitive	Repetitive	No	No	No	No

### Center Span Data

		rafter	rafter	vault	putln	LVL	B1	B2
Span	ft	12.00	17.25	10.50	12.50	24.00	16.00	18.00
Dead Load	#/ft	24.60	24.60	31.20	123.00		86.00	172.00
Live Load	#/ft	32.00	32.00	32.00	160.00		112.00	176.00
Point #1 DL	lbs					603.00	402.00	
LL	lbs					784.00	523.00	
@ X	ft					16.000	4.500	

### Results

Results	Ratio =	0.9887	0.6810	0.8452	0.8178	0.6614	0.4357	0.8267
Mmax @ Center	in-k	12.23	25.26	10.45	66.33	88.41	103.06	169.13
@ X =	ft	6.00	8.62	5.25	6.25	16.03	6.66	9.00
f <sub>b</sub> : Actual	psi	1,616.6	1,113.5	1,382.0	2,657.8	2,149.6	789.8	1,395.1
Fb : Allowable	psi	1,635.2	1,635.2	1,635.2	3,250.0	3,250.0	1,812.5	1,687.5
		Bending OK	Bending OK	Bending OK	Bending OK	Bending OK	Bending OK	Bending OK
f <sub>v</sub> : Actual	psi	57.3	28.2	55.5	144.2	66.7	44.6	66.6
Fv : Allowable	psi	118.8	118.8	118.8	356.3	356.3	197.5	106.3
		Shear OK	Shear OK	Shear OK	Shear OK	Shear OK	Shear OK	Shear OK

### Reactions

		rafter	rafter	vault	putln	LVL	B1	B2
@ Left End	DL	147.60	212.17	163.80	768.75	201.00	976.94	1,548.00
	LL	192.00	276.00	168.00	1,000.00	261.33	1,271.91	1,584.00
	Max. DL+LL	339.60	488.17	331.80	1,768.75	462.33	2,248.84	3,132.00
@ Right End	DL	147.60	212.17	163.80	768.75	402.00	801.06	1,548.00
	LL	192.00	276.00	168.00	1,000.00	522.67	1,043.09	1,584.00
	Max. DL+LL	339.60	488.17	331.80	1,768.75	924.67	1,844.16	3,132.00

### Deflections

		rafter	rafter	vault	putln	LVL	B1	B2
Center DL Defl	in	-0.345	-0.491	-0.256	-0.308	-0.556	-0.138	-0.364
L/Defl Ratio		417.5	421.6	491.4	486.9	517.7	1,395.3	593.0
Center LL Defl	in	-0.449	-0.639	-0.263	-0.401	-0.723	-0.179	-0.373
L/Defl Ratio		320.9	324.1	479.1	374.3	398.2	1,071.6	579.5
Center Total Defl	in	-0.794	-1.130	-0.519	-0.709	-1.280	-0.317	-0.737
Location	ft	6.000	8.625	5.250	6.250	13.056	7.744	9.000
L/Defl Ratio		181.5	183.3	242.6	211.6	225.1	606.1	293.1

### Description

### Timber Member Information Code Ref: 1997/2001 NDS, 2000/2003 IBC, 2003 NFPA 5000. Base allowables are user defined

		83
<b>Timber Section</b>		
Beam Width	in	4x12 3.500
Beam Depth	in	11.250
Le: Unbraced Length	ft	0.00
Timber Grade		Douglas Fir - Larch, No.2
Fb - Basic Allow	psi	875.0
Fv - Basic Allow	psi	95.0
Elastic Modulus	ksi	1,600.0
Load Duration Factor		1.250
Member Type		Sawn
Repetitive Status		No

### Center Span Data

Span	ft	13.50
Dead Load	#/ft	86.00
Live Load	#/ft	112.00

### Results Ratio = 0.6094

Mmax @ Center	in-k	54.13
@ X =	ft	6.75
fb : Actual	psi	733.2
Fb : Allowable	psi	1,203.1
		Bending OK
fv : Actual	psi	44.0
Fv : Allowable	psi	118.8
		Shear OK

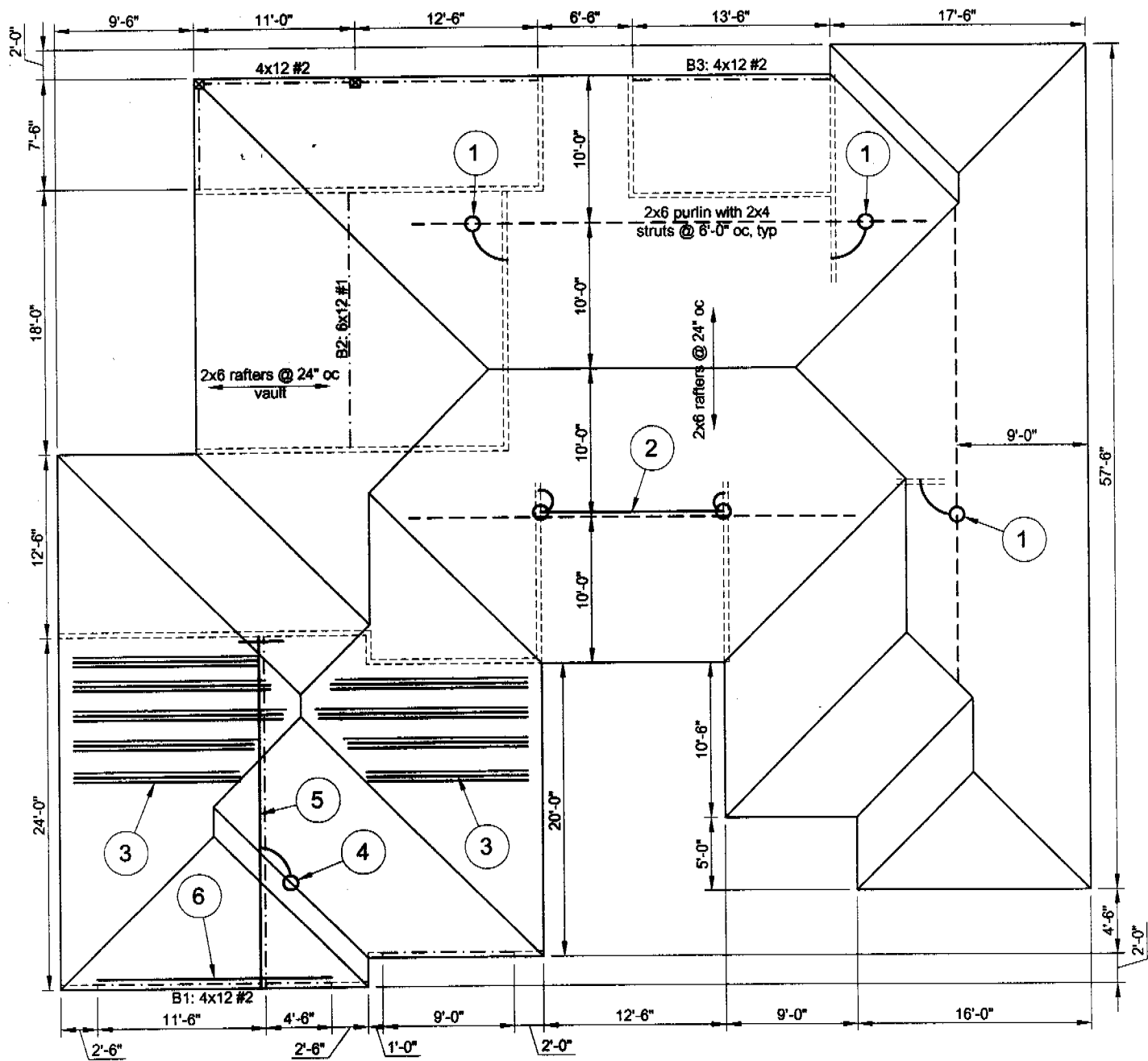
### Reactions

@ Left End	DL	lbs	580.50
	LL	lbs	756.00
	Max. DL+LL	lbs	1,336.50
@ Right End	DL	lbs	580.50
	LL	lbs	756.00
	Max. DL+LL	lbs	1,336.50

### Deflections Ratio OK

Center DL Def	in	-0.097
L/Defl Ratio		1,674.8
Center LL Def	in	-0.126
L/Defl Ratio		1,286.0
Center Total Def	in	-0.223
Location	ft	6.750
L/Defl Ratio		727.5





**FRAMING NOTES:**

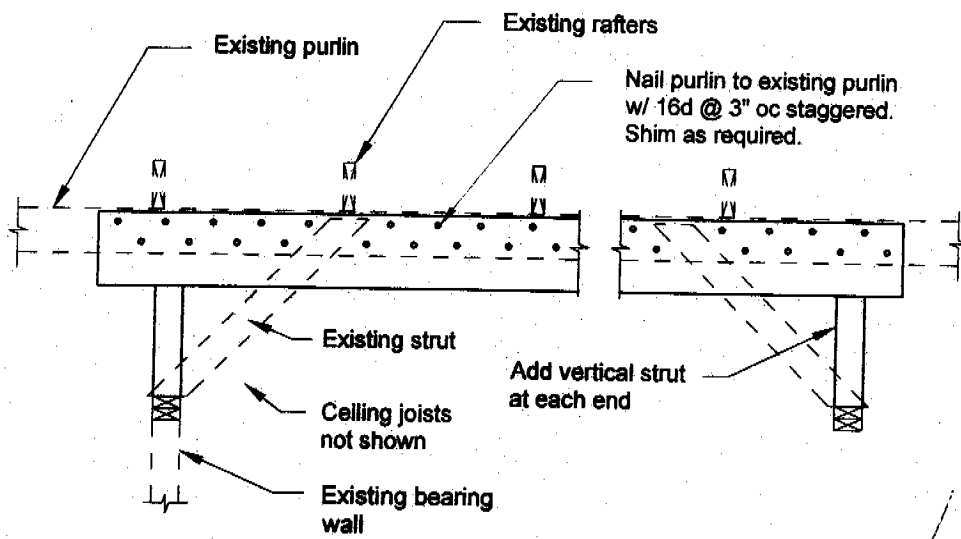
1. Add 2x4 struts to bearing below (total 3).
2. Scab a 1 3/4" X 9 1/4" x 14'-0" long LVL to the existing 2x6 purlin. See detail 2.
3. Scab two (2) 2x6's to existing 2x6 rafters where the span is greater than 12'-0" (total 9 locations).
4. Shim the areas as required where the existing sags occur to provide an even contour at the roof level.
5. Scab a 1-3/4" x 11-7/8" LVL to the existing 2x6 crossie with 16d's @ 6" oc. The ends of the LVL may be clipped as required to meet the slope of the rafters. The support at the interior wall shall be a 2x8 x 2'-8" long ledger attached to the double top plate with 16d's @ 2" oc staggered. Support the existing valley rafters to the LVL below with 2x4 struts. See detail 3.
6. Scab a 1 3/4" x 11 1/4" LVL to the existing 4x12 beam. See detail 4.

**NOTES:**

- A. This is a reroof project. The new roofing material shall be a Light Weight Concrete Tile. The tile shall weigh less than or equal to 7.3 psf.
- B. All framing members including rafters, purlins, joists and beams are existing unless otherwise noted in the framing notes above.
- C. All rafters are 2x6 DF#2 and hips and valleys are 2x8 DF#2 unless otherwise noted.
- D. All existing rafter, hips, valleys, rafter ties, and purlins are braced per UBC Section 2320.1 "Roof and Ceiling Framing" unless otherwise shown.
- E. All structural wood members that were observed appear to be in sound condition and without structural defect.

1
**ROOF PLAN - YOUNG**  
 Not to Scale  
 8





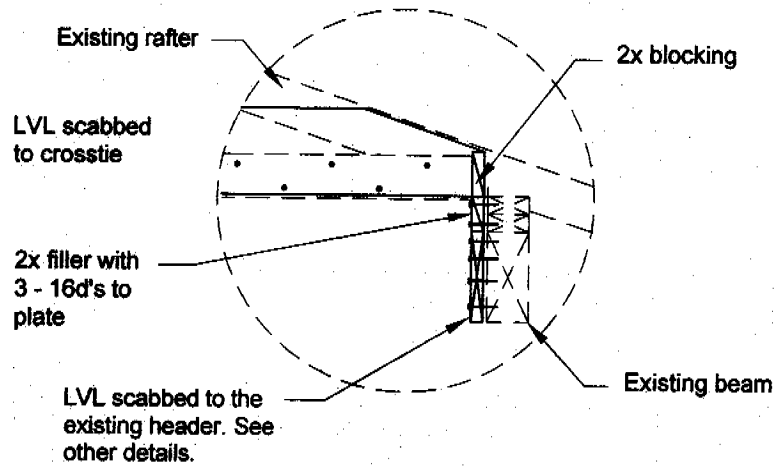
2

**PURLIN DETAIL**

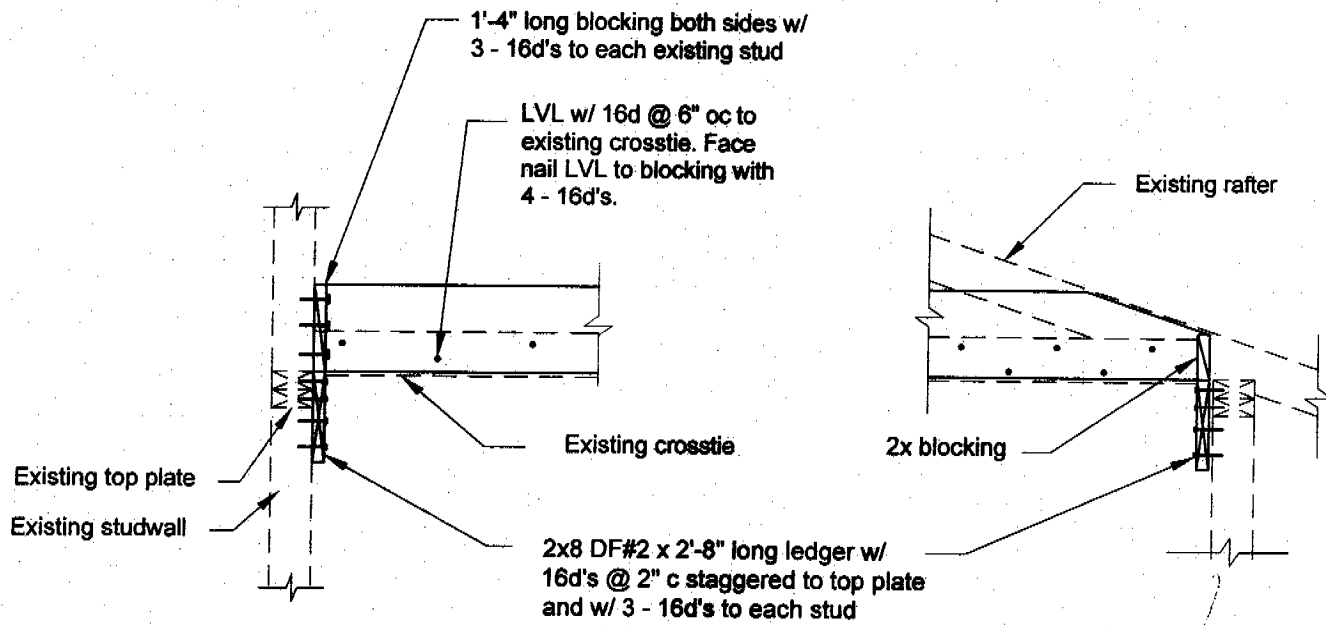
scale: 1/2" = 1'-0"

7





**ALTERNATE CONNECTION AT BEAM**



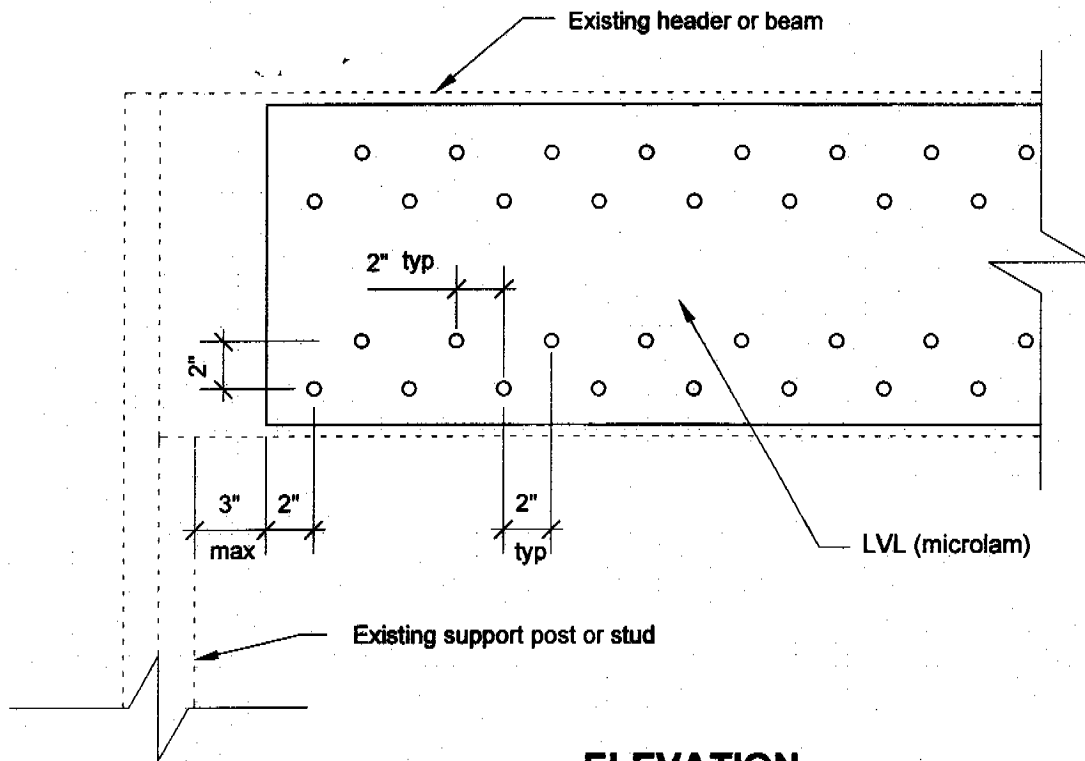
3

**CROSS TIE / LEDGER CONNECTION**

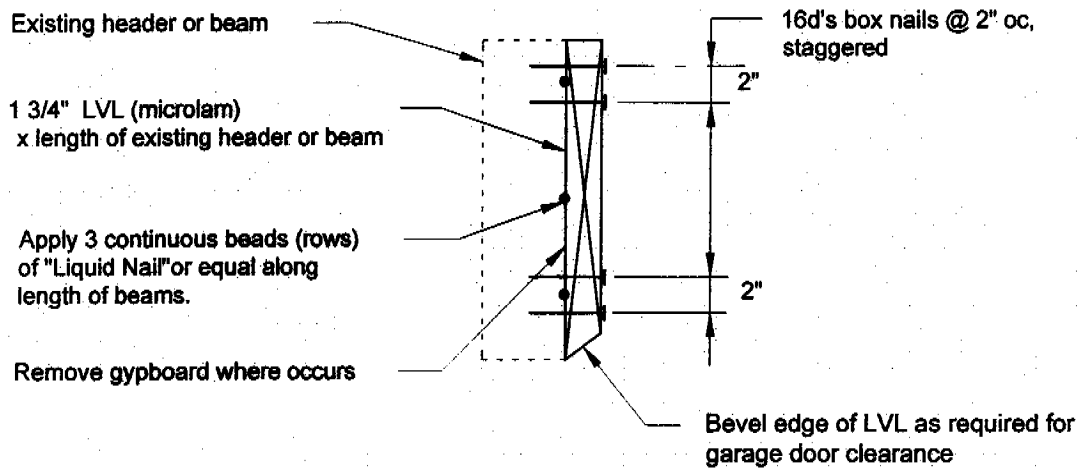
scale: 1/2" = 1'-0"

10





**ELEVATION**



**SECTION**

4

**DETAIL**

scale: 1 1/2" = 1'-0"



11



Job #: 06\_450

Date: 09/25/2006

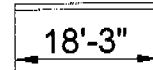
LOADING:

Rafter:

Dr = 13.1 psf x 2'-0" = 26.2 plf  
 Lr = 16.0 psf x 2'-0" = 32.0 plf

2x10 #2

26.2 / 32.0

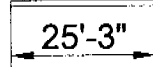


Rafter:

Dr = 13.1 psf x 2'-0" = 26.2 plf  
 Lr = 16.0 psf x 2'-0" = 32.0 plf

2-2x10 #2

26.2 / 32.0

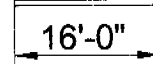


B1:

Dr = 13.1 psf x 24'-6" = 321 plf  
 Lr = 16.0 psf x 24'-6" = 392 plf

6x12 #1 + 1 3/4" x 11 1/4" LVL

321 / 392

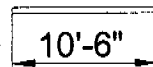


B2:

Dr = 13.1 psf x 5'-0" = 66 plf  
 Lr = 16.0 psf x 5'-0" = 80 plf

4x12 #1

66 / 80



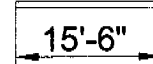
REV 10-25-2006

Purlin:

Dr = 13.1 psf x 12'-6" = 164 plf  
 Lr = 16.0 psf x 12'-6" = 200 plf

1 3/4" x 11 7/8" LVL

164 / 192



# PZSE, Inc

Structural Engineering

Title :  
Dsgnr:  
Description :

Date: Job #

Scope :

Rev: 580006  
User: KW-0602844 Ver 5.8.0 1-Dec-2003  
(c)1983-2003 ENERCALC Engineering Software

## Timber Beam & Joist

Nguyen.ecw:Calculations

Description RAFTERS AND BEAMS

Timber Member Information Code Ref: 1997/2001 NDS, 2000/2003 IBC, 2003 NFPA 5000. Base allowables are user defined

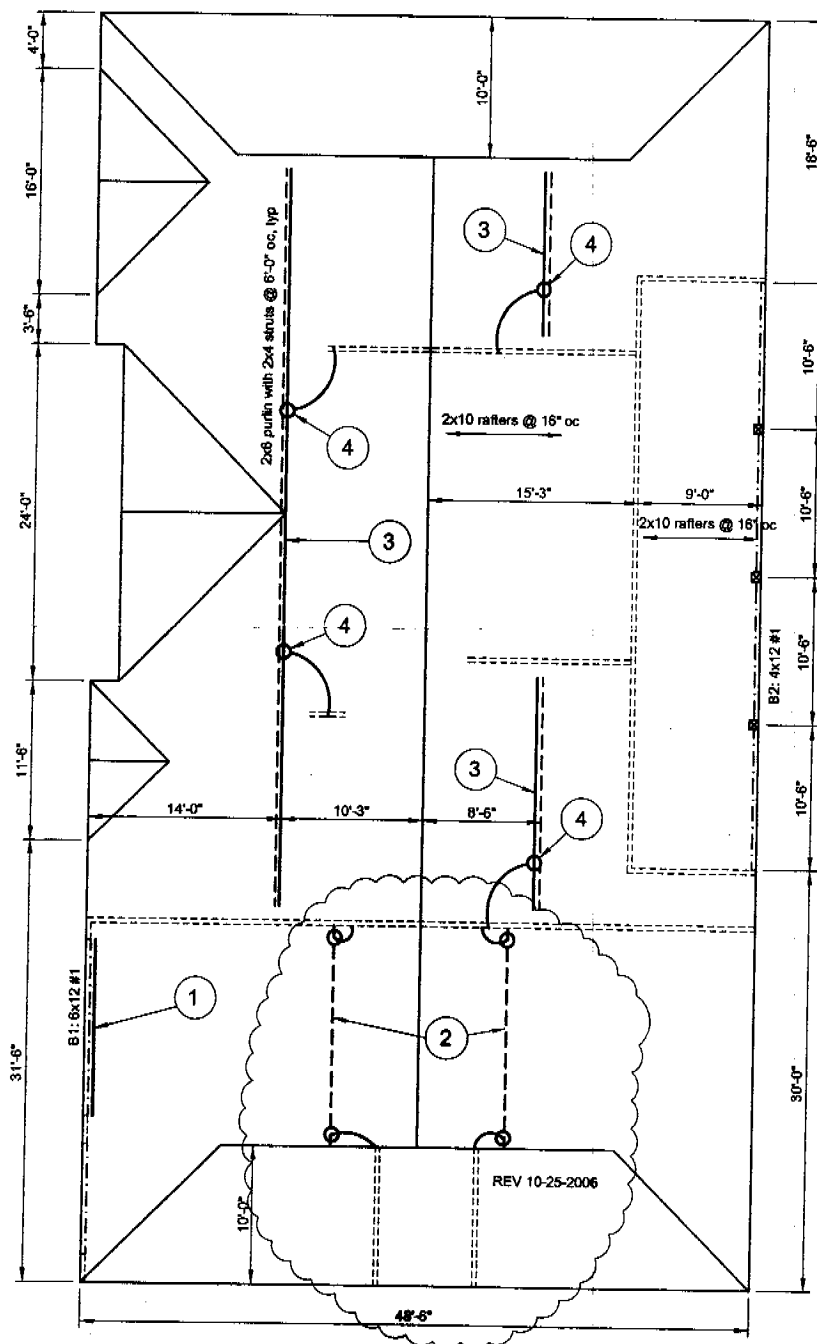
	rafter	rafter	B1	B2	purlin
Timber Section	2x10	2-2x10	6x12#1+1.75x11.25	4x10	MicroLam: 1.75x11.
Beam Width	in 1.500	3.000	7.446	3.500	1.750
Beam Depth	in 9.250	9.250	11.500	9.250	11.875
Le: Unbraced Length	ft 0.00	0.00	0.00	0.00	0.00
Timber Grade	Douglas Fir - Larch, No.2	Douglas Fir - Larch, No.2	Custom, LVL + DF#2	Douglas Fir - Larch, No.1	Truss Joist - MacMillan,
Fb - Basic Allow	psi 875.0	875.0	1,450.0	1,000.0	2,600.0
Fv - Basic Allow	psi 95.0	95.0	158.0	95.0	285.0
Elastic Modulus	ksi 1,600.0	1,600.0	1,700.0	1,700.0	1,900.0
Load Duration Factor	1.250	1.250	1.250	1.250	1.250
Member Type	Sawn	Sawn	Manuf/Pine	Sawn	Manuf/Pine
Repetitive Status	Repetitive	Repetitive	No	No	No

Center Span Data						
Span	ft	18.25	25.25	16.00	10.50	15.67
Dead Load	#/ft	26.20	26.20	321.00	66.00	164.00
Live Load	#/ft	32.00	32.00	392.00	80.00	192.00

Results						
Ratio =		0.9824	0.9403	0.9204	0.3225	0.9809
Mmax @ Center	in-k	29.08	55.66	273.79	24.14	131.12
@ X =	ft	9.12	12.62	8.00	5.25	7.83
f <sub>b</sub> : Actual	psi	1,359.3	1,301.0	1,668.2	483.8	3,188.0
F <sub>b</sub> : Allowable	psi	1,383.6	1,383.6	1,812.5	1,500.0	3,250.0
		Bending OK	Bending OK	Bending OK	Bending OK	Bending OK
f <sub>v</sub> : Actual	psi	52.8	37.5	88.7	30.4	177.2
F <sub>v</sub> : Allowable	psi	118.8	118.8	197.5	118.8	356.3
		Shear OK	Shear OK	Shear OK	Shear OK	Shear OK

Reactions							
@ Left End	DL	lbs	239.07	330.77	2,568.00	346.50	1,284.94
	LL	lbs	292.00	404.00	3,136.00	420.00	1,504.32
	Max. DL+LL	lbs	531.07	734.77	5,704.00	766.50	2,789.26
@ Right End	DL	lbs	239.07	330.77	2,568.00	346.50	1,284.94
	LL	lbs	292.00	404.00	3,136.00	420.00	1,504.32
	Max. DL+LL	lbs	531.07	734.77	5,704.00	766.50	2,789.26

Deflections							
			Ratio OK	Deflection OK	Deflection OK	Deflection OK	Deflection OK
Center DL Defl	in	-0.413	-0.757	-0.295	-0.046	-0.479	
L/Defl Ratio		530.1	400.3	650.8	2,739.4	392.2	
Center LL Defl	in	-0.505	-0.924	-0.360	-0.056	-0.561	
L/Defl Ratio		434.0	327.8	532.9	2,260.0	335.0	
Center Total Defl	in	-0.918	-1.681	-0.655	-0.102	-1.041	
Location	ft	9.125	12.625	8.000	5.250	7.835	
L/Defl Ratio		238.6	180.2	293.0	1,238.4	180.7	



**FRAMING NOTES:**

1. Scab a 1 3/4" x 11 1/4" LVL to the existing beam. See detail 2.
2. Add a 1 3/4" x 11 7/8" x 16'-0" long LVL purlin with 2x4 struts to bearing below. REV 10-25-2006
3. Scab a 2x10 DF#2 to the existing 2x6 purlin.
4. Add 2x4 struts to bearing below (total 4).

**NOTES:**

- A. This is a reroof project. The new roofing material shall be a Light Weight Concrete Tile. The tile shall weigh less than or equal to 7.3 psf.
- B. All framing members including rafters, purlins, joists and beams are existing unless otherwise noted in the framing notes above.
- C. All rafters are 2x10 DF#2 and hips and valleys are 2x12 DF#2 unless otherwise noted.
- D. All existing rafter, hips, valleys, rafter ties, and purlins are braced per UBC Section 2320.1 "Roof and Ceiling Framing" unless otherwise shown.
- E. All structural wood members that were observed appear to be in sound condition and without structural defect.

**1** ROOF PLAN - NGUYN  
Not to Scale

