

CITY OF SACRAMENTO
1231 I Street, Sacramento, CA 95814

Permit No: 0514808
Insp Area: 2
Thos Bros: 336H4

Site Address: 828 SHORE BREEZE DR SAC
Parcel No: 031-1320-016

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

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

OWNER
CHANG MEI-HUEI
828 SHORE BREEZE DR
SACRAMENTO, CA 95831

ARCHITECT

Nature of Work: RE-ROOF, TEAR-OFF, RE-SHEET, INSTALL 45 SQ' OF LIGHT WEIGHT TILE (SAXONY SHAKE) ** 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 9/22/05 Contractor Signature Carolyn Pen

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, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law).

I am exempt under Sec. _____ B & PC for this reason: _____

Date _____ Owner Signature _____

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 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 city and county ordinances and state laws relating to building construction and hereby authorize representative(s) of this city to enter upon the above mentioned property for inspection purposes.

Date 9/22/05 Applicant/Agent Signature Carolyn Pen

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.

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 10/01/2005

(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 9/22/05 Applicant Signature Carolyn Pen

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.



CITY OF SACRAMENTO

www.cityofsacramento.org
 Help Line: 1-916-908-5656 OR 1-866-EZ-PERMIT
 Inspection Request: 1-916-908-7622

Downtown Permit Center
 1231 I Street, Suite 200
 Sacramento, CA 95814
 North Permit Center
 2101 Arena Blvd., Suite 200
 Sacramento, CA 95834

Fax # 916-264-1901

MINOR PERMIT APPLICATION

Date: 9/22/05

Faxed/web request must be received in this office by 3:00 P.M. to be processed the following workday. Contractors must have a current certificate of Worker's Compensation Insurance. Note: Work started before a Building Permit is issued will be subject to quad fee.

Permits requiring Plan Review are not eligible for the MINOR PERMIT PROGRAM

Design Review and Historic Preservation approval may be required if job address is located in those areas (additional forms may be required)

IN ORDER TO PROCESS THIS REQUEST, ALL THE FOLLOWING INFORMATION MUST BE PROVIDED:

Job Address: 828 Shoreline Drive Bldg Type: RESIDENTIAL APARTMENTS (4+ units per building) COMMERCIAL (limited)

CONTACT INFO Name: Larry Peck Unit # _____ Contract Price: \$18,000

Property Owner: Mr. D. M. Ochoa Phone #: 828-1927 Email: _____

Address: 828 Shoreline Drive Contractor: 1200 Shasta Road License #: 4200325

City/State/Zip: Sacramento CA 95831 Address: 4461 Summerland Blvd City/State/Zip: Shingle Springs CA 95882

Phone: _____ Phone: 330-672-1173 Fax: 330-672-1173

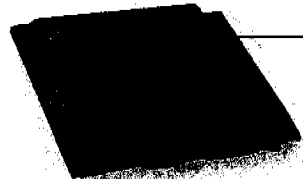
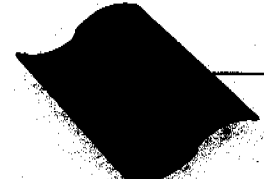
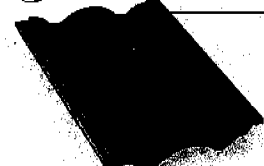
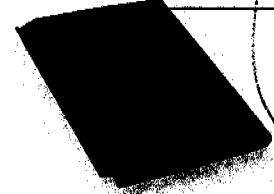
Nature of Work: Provide description of work & indicate type of work in selections below.

Pre-Registered?	YES	NO	Registration #

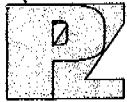
Description of Work: Joas off shapa, Resheet, Replace with light weight tile.

<input checked="" type="checkbox"/> Reroof (excluding tile) <input type="checkbox"/> Tear-Off <input checked="" type="checkbox"/> Resheet <input type="checkbox"/> House <input type="checkbox"/> Garage # Stories: <u>2</u> # Squares: <u>475</u> Material: <u>Light weight tile</u>	<input type="checkbox"/> HVAC Installations (Residential Only) <input type="checkbox"/> Change-out <input type="checkbox"/> New <input type="checkbox"/> Heat Pump <input type="checkbox"/> Package <input type="checkbox"/> Split system <input type="checkbox"/> Roof mount <input type="checkbox"/> Cut-in <input type="checkbox"/> Heat pump or elect. unit to gas. <input type="checkbox"/> Wall furnace <input type="checkbox"/> Other (describe below) Value of duct work: \$ _____ Equipment: \$ _____ Out-in: \$ _____	<input type="checkbox"/> Water Heater (Residential Only) <input type="checkbox"/> Electric <input type="checkbox"/> Gas <input type="checkbox"/> Change-out <input type="checkbox"/> Electric to Gas <input type="checkbox"/> Relocate <input type="checkbox"/> New <input type="checkbox"/> Dry Rot or Termitte Damage Repair <input type="checkbox"/> Flooring/Joists <input type="checkbox"/> Mudsill/Studs <input type="checkbox"/> Roof Structure <input type="checkbox"/> Exterior	<input type="checkbox"/> Minor Electric and/or Minor Plumbing (Residential Only) <input type="checkbox"/> Electric Service Change # amps _____ <input type="checkbox"/> New electric circuits <input type="checkbox"/> Re-wire <input type="checkbox"/> Water Service Replacement <input type="checkbox"/> Sewer Service Replacement <input type="checkbox"/> Gas Line Replacement <input type="checkbox"/> Re-plumb <input type="checkbox"/> Water <input type="checkbox"/> Waste	<input type="checkbox"/> Public Utilities Safety Inspection <input type="checkbox"/> (Residential and single apartment units Only) <input type="checkbox"/> SMUD <input type="checkbox"/> PG&E * NOTE * Correction Notice items will require an additional building permit.
Office Use Only: Parcel #: _____ Date Received: _____ Date Issued: _____ Processor's Initials: _____ Permit #: <u>0514804</u>				

Technical Specifications

CedarLite	Size and Coverage	Weight in Place
	Individual tile nominally 13-1/2" x 13". At a 3-1/2" headlap, approx. 120 field tiles will cover 100 square feet of roof area.	Installed weight per square approx. 580 lbs.
Duralite	Size and Coverage	Weight in Place
 Barcelona	Individual tile nominally 17" x 12-3/8". At 3" minimum headlap, approx. 89 field tiles will cover 100 square feet of roof area.	Installed weight per square approx. 590 lbs.
 Villa	Individual tile nominally 17" x 13". At 3" minimum headlap, approximately 87 field tiles will cover 100 square feet of roof area.	Installed weight per square approx. 580 lbs.
 Saxony Shake	Individual tile nominally 16-1/2" x 13". At 3" minimum headlap, approx. 88 field tiles will cover 100 square feet of roof area.	Installed weight per square approx. 596 lbs.
Split Shake	Individual tile nominally 16-1/2" x 13". At 3" minimum headlap, approx. 88 field tiles will cover 100 square feet of roof area.	Installed weight per square approx. 596 lbs.
Slate	Individual tile nominally 16-1/2" x 13". At 3" minimum headlap, approx. 88 field tiles will cover 100 square feet of roof area.	Installed weight per square approx. 596 lbs.

Omoto



Paul Zacher - Structural Engineers, Inc
4701 Lakeside Way
Fair Oaks, CA 95628

TEL: 916.961.3960
FAX: 916.961.6552

September 21, 2005

Weather-Tite Roofing Company
P.O. Box 6068
Folsom, CA 95673
TEL: (916) 635-9810; M: (916) 849-1977
FAX: (916) 635-9810

Attn.: Mr. Larry Peer,

re: Job 2005515: OMOTO

Subject: Structural Investigation Report of the Roof for the Residence located at 828 Shorebreeze Drive, Sacramento, CA 95831.



As requested by Mr. Larry Peer, this is a report to determine what needs should be addressed to correct any structural deficiencies of the roof. Paul Zacher visited the site September 14, 2005. The investigation was made to determine the existing condition of the structure. All information, data and analysis contained within this report are based on the 1997 Uniform Building Code with 2001 CBC Title 24 Amendments.

The following is based on visual observations with no subsurface investigation being made.

DESCRIPTION:

Type of Facility: Residence.
Year Built: Estimated 1980's vintage.
Occupancy: Residential.
No. of Stories: Two.
Dimensions: Approximately 3000 square feet.

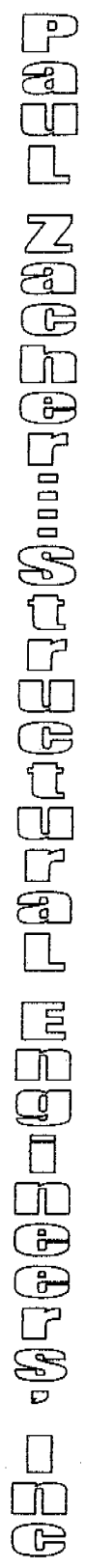
CONSTRUCTION:

Roof:
The roof covering will consist of a Light Weight Concrete Tile over 7/16" solid sheathing. The roof structure is conventionally framed with 2x6 rafters spaced at 24" on center with 2x6 purlins supported at no more than 6'-0" on center by 2x4 struts bearing on walls below. The garage area is framed with 2x6 rafters spaced at 24" on center and 2x6 cross ties spaced at 4'-0" on center.

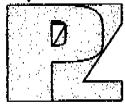
CONCLUSIONS:

Roof:
The roof structure currently lacks sufficient structural capacity for the applied live and dead loads. See "Recommendations" for location and repair to bring the roof structure up to the required capacity.

ISSUED
CITY OF SACRAMENTO
SEP 22 2005
DOWNTOWN PERMIT
CENTER
GEO for CB 9/22/05



Omoto



Paul Zacher - Structural Engineers, Inc
4701 Lakeside Way
Fair Oaks, CA 95628

TEL: 916.961.3960
FAX: 916.961.6552

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. Scab a 2x6 rafter to the 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.

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.

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

DESIGN LOADING:

Roof Pitch	6	in 12
Pitch Adjustment Factor	1.12	

LOCATION: ROOF

MATERIAL

WEIGHT

Light Weight Tile	7.30	psf
Roofing felt	0.30	psf
1x4 skip sht'g	1.09	psf
7/16" OSB/ plywood	1.30	psf
2x6 rafters @ 24" oc	<u>1.00</u>	psf
	Load	11.0 psf
Roof Pitch Adjustment	<u>1.30</u>	psf
Total Load	12.3	psf

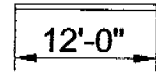
LOADING:

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

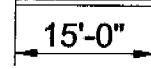


Rafter:

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

2-2x6 #2

24.6 / 32.0

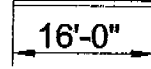


B1:

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

4x12 #2

86 / 112



Paul Zacher Structural Engr's, Inc.
 4701 Lakeside Way
 Fair Oaks, CA 95628

Title :
 Dsgnr:
 Description :

Job #
 Date: 6:27AM, 21 SEP 05

Scope :

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

Timber Beam & Joist

Omoto.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
Timber Section		2x6	2-2x6	4x12
Beam Width	in	1.500	3.000	3.500
Beam Depth	in	5.500	5.500	11.250
Le: Unbraced Length	ft	0.00	0.00	0.00
Timber Grade		Douglas Fir - Larch, No.2	Douglas Fir - Larch, No.2	Douglas Fir - Larch, No.2
Fb - Basic Allow	psi	875.0	875.0	875.0
Fv - Basic Allow	psi	95.0	95.0	95.0
Elastic Modulus	ksi	1,600.0	1,600.0	1,600.0
Load Duration Factor		1.250	1.250	1.250
Member Type		Sawn	Sawn	Sawn
Repetitive Status		Repetitive	Repetitive	No

Center Span Data

Span	ft	12.00	15.00	16.00
Dead Load	#/ft	24.60	24.60	86.00
Live Load	#/ft	32.00	32.00	112.00

Results	Ratio =	0.9887	0.7724	0.8560
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Mmax @ Center @ X =	in-k ft	12.23 6.00	19.10 7.50	76.03 8.00
fb : Actual	psi	1,616.6	1,263.0	1,029.9
Fb : Allowable	psi	1,635.2	1,635.2	1,203.1
		Bending OK	Bending OK	Bending OK
fv : Actual	psi	57.3	36.4	53.6
Fv : Allowable	psi	118.8	118.8	118.8
		Shear OK	Shear OK	Shear OK

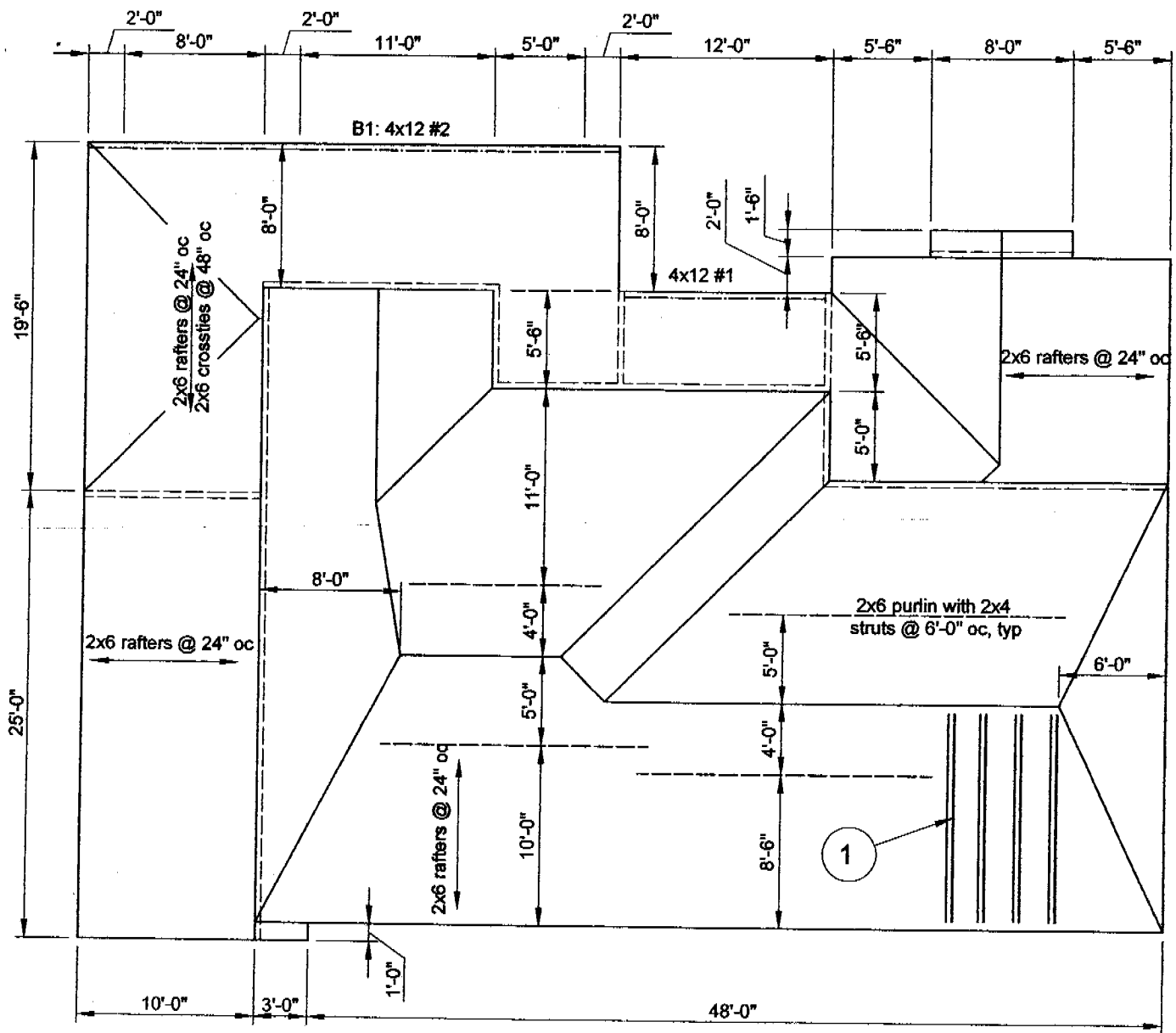
Reactions

@ Left End DL	lbs	147.60	184.50	688.00
LL	lbs	192.00	240.00	896.00
Max. DL+LL	lbs	339.60	424.50	1,584.00
@ Right End DL	lbs	147.60	184.50	688.00
LL	lbs	192.00	240.00	896.00
Max. DL+LL	lbs	339.60	424.50	1,584.00

Deflections Ratio OK Deflection OK Deflection OK

Center DL Defl	in	-0.345	-0.421	-0.191
L/Defl Ratio		417.5	427.5	1,006.0
Center LL Defl	in	-0.449	-0.548	-0.249
L/Defl Ratio		320.9	328.7	772.5
Center Total Defl	in	-0.794	-0.969	-0.439
Location	ft	6.000	7.500	8.000
L/Defl Ratio		181.5	185.8	437.0

5



FRAMING NOTES:

1. Scab a 2x6 to existing 2x6 rafters where the span is greater than 12'-0" (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 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 - OMOTO
 Not to Scale

6

