

CITY OF SACRAMENTO

1231 I Street, Sacramento, CA 95814

Permit No: 0112259

Insp Area: 2

Thos Bros: 316J7

Site Address: 7 JIB CT SAC

Parcel No: 030-0130-013

Sub-Type: RES

Housing (Y/N): N

CONTRACTOR

OWNER

SACA ROSA MARIA C
-1347 FLORIN RD
SACRAMENTO CA 95831

ARCHITECT

Nature of Work: REMOVE EX. ROOFING, INSTALL NEW WOOD SHAKE

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 _____ License Number _____ Date _____ Contractor Signature _____

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);

X BT 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 9-24-01 Owner Signature Rosa Mariastaca

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 9-24-2001 Applicant/Agent Signature Rosa mariastaca

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 _____ Policy Number _____ Exp Date _____

BT (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 be 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 comply with those provisions.

Date 9-24-01 Applicant Signature Rosa Mariastaca

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.

OWNER-BUILDER VERIFICATION

ATTENTION PROPERTY OWNERS

An owner-builder building permit has been applied for in your name and bearing your signature.

Please complete and return this information in the envelope provided at your earliest opportunity to avoid unnecessary delay in processing and issuing your building permit. No building permit will be issued until this verification is received.

1. I personally plan to provide the major labor and materials for construction of the proposed Improvement (yes or no) YES
2. I (have/~~have not~~) HAVE signed an application for A building permit for the proposed work.

3. I have contracted with the following person (firm) to provide the proposed construction:

Name N/A OWNER Address _____
City _____ Telephone _____
Contractors License No. _____

4. I plan to provide portions of the work, but I have hired the following person to coordinate, Supervise, and provide the major work.

Name _____ Address _____
City _____ Telephone _____
Contractors License No. _____

5. I will provide some of the work but I have contracted (hired) the following to provide the Work indicated:

Name	Address	Phone	Type of work

Signed Rosa Maria Lopez

Job Address 7 JIB CT

Permit No: 0112259

Schmidt

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

TEL: (916) 961-3960
FAX: (916) 961-6552

December 5, 2002

Schmidt
#7 Jib Court
Sacramento, CA 95831
TEL: (916) 399-1865
FAX: (916) 568-8124

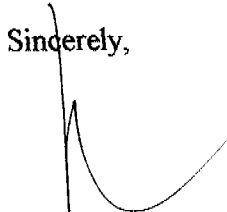
Attn.: Paul Schmidt

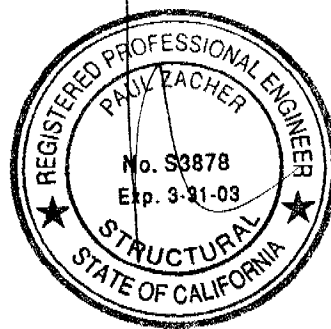
re: Job 98216: Schmidt located at #7 Jib Court, Sacramento, CA
subject: Roof area with no access

The 2x12 purlin spanning 8'-0" long between supports is structurally adequate to support the applied dead and live loads in the vaulted ceiling per the recommendations of the report written on September 11, 1998.

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

Sincerely,


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



V/m

P.K. Zacher, S.E.

4701 Lakeside Way
Fair Oaks, CA 95628
TEL: (916) 961-3960
FAX: (916) 961-6552

Job #: 98216

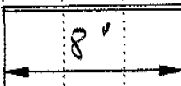
Date: 12/5/02

LOADING:

PULLIN

83/112

2 x 12 #2

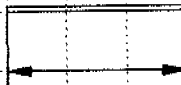


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Lr = 16.0 . . . = 112 .

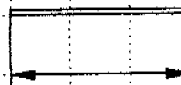
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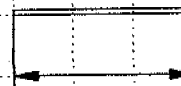
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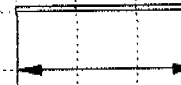
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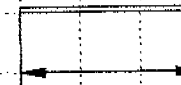
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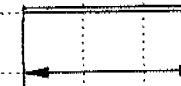
Dr =

Lr =



Dr =

Lr =



Paul Zacher - Structural Engineers
 4701 Lakeside Way
 Fair Oaks, CA 95628
 TEL: (916) 961-3960
 FAX: (916) 961-6552

Title :
 Dsgnr:
 Description :
 Scope :

Job #
 Date: 10:04AM, 5 DEC 02

Rev: 510304
 User: KW-0602844, Ver 5.1.3, 22-Jun-1999, Win32
 (c) 1983-99 ENERCALC

Timber Beam & Joist

c:\paulpk and assoc\test.ecov\Calculations

Description BEAMS

Timber Member Information

Calculations are designed to 1997 NDS and 1997 UBC Requirements

Timber Section		purlin	2x12
Beam Width	in		1.500
Beam Depth	in		11.250
L _e : Unbraced Length	ft		0.00
Timber Grade		Douglas Fir - Larch,	
F _b - Basic Allow	psi		875.0
F _v - 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	8.00
Dead Load	#/ft	79.00
Live Load	#/ft	112.00

Results

Ratio = 0.5298

M _{max} @ Center	in-k	18.34
@ X =	ft	4.00
f _b : Actual	psi	579.5
F _b : Allowable	psi	1,093.8
		Bending OK
f _v : Actual	psi	52.2
F _v : Allowable	psi	118.8
		Shear OK

Reactions

@ Left End	DL	lbs	316.00
	LL	lbs	448.00
	Max. DL+LL	lbs	764.00
@ Right End	DL	lbs	316.00
	LL	lbs	448.00
	Max. DL+LL	lbs	764.00

Deflections

Ratio OK

Center DL Defl	in	-0.026
L/Defl Ratio		3,754.9
Center LL Defl	in	-0.036
L/Defl Ratio		2,648.6
Center Total Defl	in	-0.062
Location	ft	4.000
L/Defl Ratio		1,553.1

OFFICE COPY
0112259R

Schmidt

Paul Zacher-Structural Engineers

4701 Lakeside Way
Fair Oaks, CA 95628

TEL: 916.961.3960
FAX: 916.961.3960
e-mail: pzacher@softcom.net

September 11, 1998

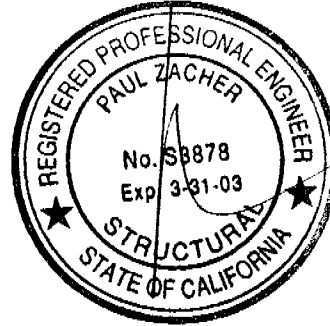
Bill

Mr. Paul Schmidt
#7 Jib Court
Sacramento, CA 95831
TEL: 916.399.1865

Bill

Attn.: Mr. Paul Schmidt,

re: Job 98216: SCHMIDT



Subject: Structural Investigation Report of the Roof for the Residence located at #7 Jib Court
Sacramento, CA 95831.

As requested by Mr. *Bill* Paul Schmidt, 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 10, 1998. The investigation was made to determine the existing condition of the structure. All information, data and analysis contained within this report is based on the 1994 Uniform Building Code.

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

ISSUED

OCT 23 2002

Sacramento Building Division

DESCRIPTION:

Type of Facility: Residence.
Year Built: Estimated 1970's vintage.
Occupancy: Residential.
No. of Stories: One.
Dimensions: Approximately 3000 square feet with a first story plate height of 8 feet.

CONSTRUCTION:

Roof:

The roof covering will consist of Light Weight Concrete Tile over 1/2" solid sheathing. The living area 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 except over the vaulted ceiling areas. The vaulted ceiling areas were inaccessible but presumed to be constructed of either 2x10 or 2x12 rafters spaced at either 16" or 24" on center. 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 living area has sufficient structural capacity for the applied live and dead. The inaccessible portions were not inspected and therefore no conclusions are drawn. The garage has sufficient structural capacity for the applied live and dead loads.

1/5
Blair
10/23/02
The project of which this report is a part shall not be construed as a violation of any City Ordinance or State Law.

Schmidt

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.

Living Area:

1. After the roofing material has been removed, the contractor shall verify that the framing in the non-accessible portion of the structure does not exceed the following:

Vaulted Ceiling Portion:

a. 2x10 @ 24" oc - max span = 17'-3"

b. 2x10 @ 16" oc - max span = 21'-0"

c. 2-2x10 @ 24" oc - max span = 22'-3"

d. 2x12 @ 24" oc - max span = 19'-9"

If the framing differs from the above, the contractor shall supply the engineer with diagrams showing the member sizes and span lengths. The engineer shall then determine if the structure can adequately support the applied dead and live loads and a supplemental report shall be issued. See detail 1.

It shall be noted that small hairline cracking may occur at exterior stucco and interior gypboard finished walls which 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 which 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

Title :
 Dsgnr:
 Description :

Date:
 Job #

Scope :

Rev. 510001

Timber Beam & Joist

Page 1

Description RAFTERS AND BEAMS

Timber Member Information

		2x6 x10 vault @ 24	2-2x10 vault @	2x10 @ 16	2x12 vault	6 3/4 GLB	6x14 support	
Timber Section		2x6	2x10	2-2x10	2x10	2x12	6.75x21.0	6x14
Beam Width	in	1.500	1.500	3.000	1.500	1.500	6.750	5.500
Beam Depth	in	5.500	9.250	9.250	9.250	11.250	21.000	13.500
Le: Unbraced Length	ft	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Timber Grade		Douglas Fir - Larch,	Douglas Fir - Larch,	Douglas Fir - Larch,	Douglas Fir - Larch,	Douglas Fir - Larch,	Douglas Fir, 24F-V4	Douglas Fir - Larch,
Fb - Basic Allow	psi	875.0	875.0	875.0	875.0	875.0	2,400.0	1,350.0
Fv - Basic Allow	psi	95.0	95.0	95.0	95.0	95.0	165.0	85.0
Elastic Modulus	ksi	1,600.0	1,600.0	1,600.0	1,600.0	1,600.0	1,800.0	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	Sawn	Sawn	GluLam	Sawn
Repetitive Status		Repetitive	Repetitive	Repetitive	Repetitive	Repetitive	No	No

Center Span Data

Span	ft	12.00	17.25	22.25	21.00	19.75	29.00	10.00
Dead Load	#/ft	23.80	31.60	31.60	15.90	31.60	261.00	
Live Load	#/ft	32.00	32.00	32.00	21.30	32.00	264.00	
Point #1 DL	lbs							3,785.00
LL	lbs							3,828.00
@ X	ft							5.000

Results	Ratio =	0.9916	0.9995	0.8032	0.8664	0.9929	0.5021	0.8242
Mmax @ Center	in-k	12.05	28.39	47.23	24.61	37.21	662.29	228.39
@ X =	ft	6.00	8.62	11.12	10.50	9.87	14.50	5.00
f _b : Actual	psi	1,593.8	1,327.1	1,104.0	1,150.4	1,176.1	1,334.9	1,367.1
F _b : Allowable	psi	1,607.3	1,327.8	1,374.4	1,327.8	1,184.5	2,658.6	1,658.6
		Bending OK	Bending OK	Bending OK	Bending OK	Bending OK	Bending OK	Bending OK
f _v : Actual	psi	56.5	54.1	35.8	39.2	50.9	70.9	76.9
F _v : Allowable	psi	118.8	118.8	118.8	118.8	118.8	206.3	106.3
		Shear OK	Shear OK	Shear OK	Shear OK	Shear OK	Shear OK	Shear OK

Reactions

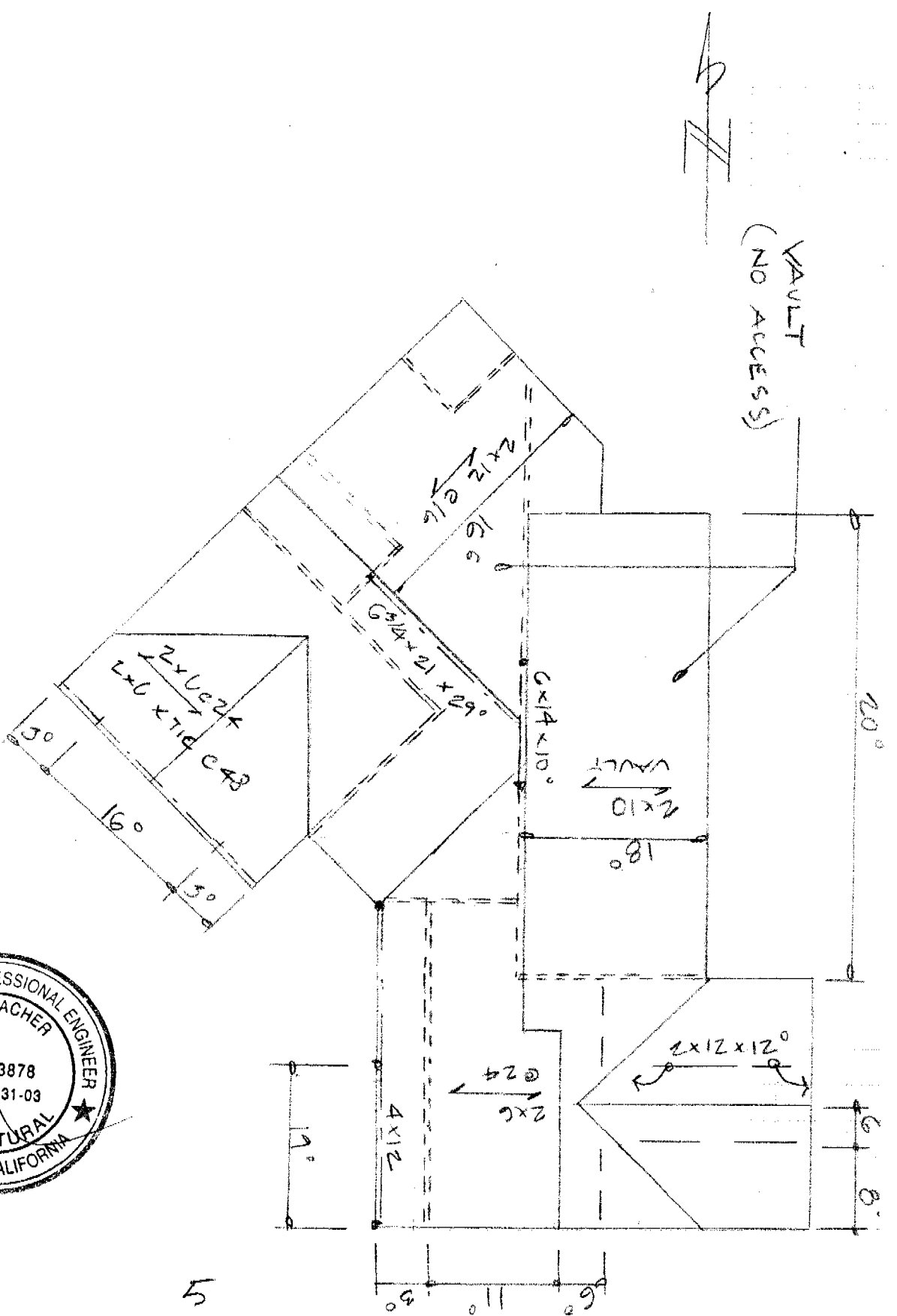
@ Left End DL	lbs	142.80	272.55	351.55	166.95	312.05	3,784.50	1,892.50
LL	lbs	192.00	276.00	356.00	223.65	316.00	3,828.00	1,914.00
Max. DL+LL	lbs	334.80	548.55	707.55	390.60	628.05	7,612.50	3,806.50
@ Right End DL	lbs	142.80	272.55	351.55	166.95	312.05	3,784.50	1,892.50
LL	lbs	192.00	276.00	356.00	223.65	316.00	3,828.00	1,914.00
Max. DL+LL	lbs	334.80	548.55	707.55	390.60	628.05	7,612.50	3,806.50

Deflections

Center DL Defl	in	-0.334	-0.398	-0.550	-0.440	-0.380	-0.443	-0.076
L/Defl Ratio		431.5	520.5	485.1	573.3	623.9	785.6	1,589.0
Center LL Defl	in	-0.449	-0.403	-0.557	-0.589	-0.385	-0.448	-0.076
L/Defl Ratio		320.9	514.0	479.0	428.0	616.1	776.7	1,571.1
Center Total Defl	in	-0.782	-0.800	-1.108	-1.028	-0.765	-0.891	-0.152
Location	ft	6.000	8.625	11.125	10.500	9.875	14.500	5.000
L/Defl Ratio		184.1	258.6	241.0	245.1	310.0	390.6	790.0

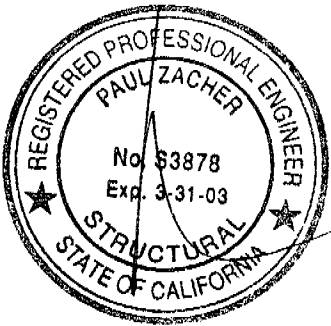
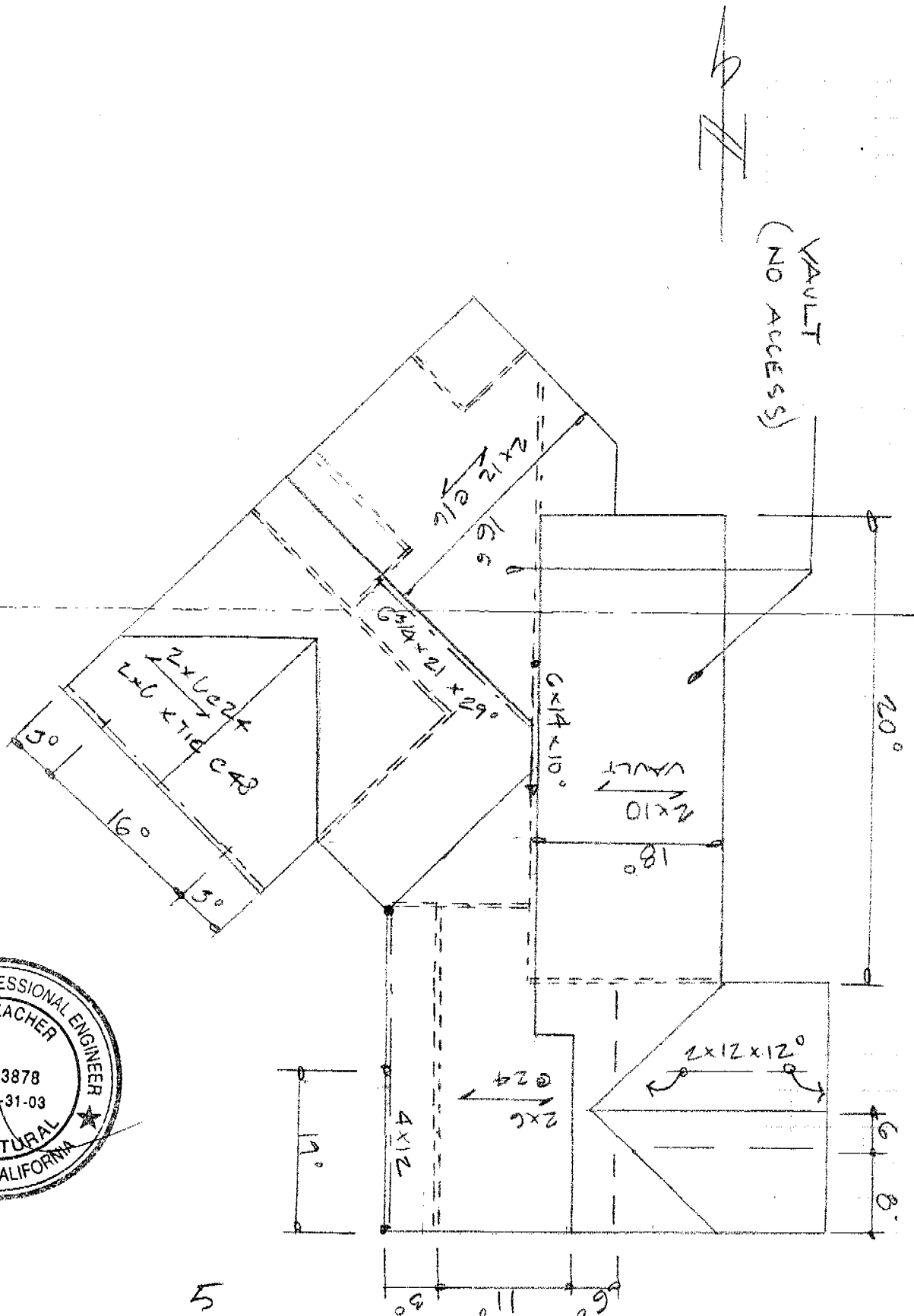
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1 ROOF PLAN - SCHMIDT
N.T.S.



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1 ROOF PLAN - SCHMIDT
N.T.S.



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