

**CITY OF SACRAMENTO**  
1231 I Street, Sacramento, CA 95814

**Permit No: 9909931**  
**Insp Area: 1**

**Site Address: 1211 T ST SAC**  
Parcel No: 009-0082-022

4 1209

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

CONTRACTOR

OWNER  
K JAQUES  
1209 T ST  
SACRAMENTO CA 95822

ARCHITECT

**Nature of Work: 20 SQ REROOF WITH 25 YR DIM COMP/ADD DORMER IN REAR W SKYLITE**

**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):

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: 8-2-29 Owner Signature: *Karen Jaques*

**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: 8-2-29 Applicant/Agent Signature: *Karen Jaques*

**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:

Name: *Exempt* Policy Number \_\_\_\_\_ Exp Date \_\_\_\_\_

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: 8-2-29 Applicant Signature: *Karen Jaques*

**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 OWNER

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) \_\_\_\_\_

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 TBA 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

X Signed Karen Jusman

X Job Address 1209/1211 T ST

X Date 9-2-94

Permit No.: \_\_\_\_\_

**Inside Beam Calculation**

**Roof Dead Loads:**

Roofing			2.50 psf
Asphalt Felt			1.50 psf
1/2" plywood	1/2		1.46 psf
Roof framing	5 1/2	16	1.50 psf
Insulation, future			1.00 psf
Gyp. Board Ceiling			2.25 psf

Total ceiling/roof			10.21 psf
Contributing area of roof:			
Roof slope, rise; run	2.00	12.00	
Angle, degrees; 1/cos θ multiplier	9.46	1.01	
Increased roof weight due to slope	1.01 x		10.21 10.35
shown rounded to:	<b>10 psf</b>		

**Roof Live Load:**

**20 psf**

**Loading Characteristics:**

Max. width	6.00 feet
Span	10.00 feet

**Loading**

Weight per s.f.	Dead Load	Live Load	Total Load
	10.35 psf	20.00 psf	
Load, w=( Max. width)(Weight)	62.12 plf	120.00 plf	

**Reactions**

R <sub>1</sub> = w/2	310.59 pounds	600.00 pounds	910.59 pounds
R <sub>2</sub> = w/2	310.59 pounds	600.00 pounds	910.59 pounds
Total	621.19 pounds	1200.00 pounds	1821.19 pounds

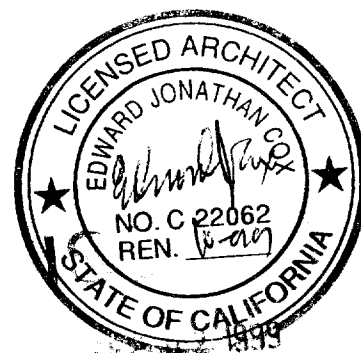
**Check Shear**

Total load	1821.19 pounds
Reactions/Maximum Vertical Shear	910.59 pounds
Horizontal shear=3/2V	1365.89 pounds
Using DF #1, F <sub>v</sub> =	285.00 psi
Minimum Area = $\frac{3}{2}(V_{max}/F_v) =$	<b>4.79 in<sup>2</sup></b>

**Check Bending Strength**

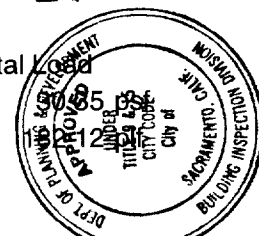
Maximum moment = wL <sup>2</sup> /8	2276.48 ft-pounds
Max. moment converted to in.-lb	27317.79 in.-pounds
Using Douglas Fir #1, F <sub>b</sub>	1000.00 psi
Minimum Section Modulus, M/F <sub>b</sub> =	<b>27.32 in<sup>3</sup></b>

**Check Deflection**



CITY OF SACRAMENTO  
DEVELOPMENT SERVICES DIV.

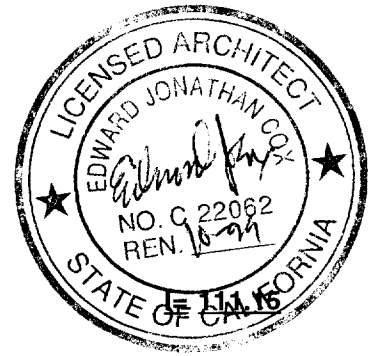
This set of plans and specifications must be kept on the job at all times and it is unlawful to make any changes or alterations from the same without written permission from the Building Inspection Division.  
The approval of this plan and specification SHALL NOT be held to permit or approve the violation of any City Ordinance or State Law.



*Dormer addition. No living or room area in attic.  
Matt P. 9/2/99*

*Need architect's stamp  
on all sheets*

*sheet 1/6*



Modulus of Elasticity 1.70E+06 psi  
 Maximum live load deflection,  $l/360$  0.33 inches  
 Actual I Required,  $(5wl^4/384E\Delta)$  47.65 in<sup>4</sup>

**Use 4 x 8 D. F. # 1** **A= 25.38** **S= 30.66**

**Outside beam at Roof**

**Roof Dead Loads:**

Roofing			2.50 psf	
Asphalt Felt			1.50 psf	
1/2" plywood	1/2		1.46 psf	
Roof framing	5 1/2	16	1.50 psf	
Insulation, future			1.00 psf	
Gyp. Board Ceiling			2.25 psf	
<b>Total ceiling/roof</b>			<b>10.21 psf</b>	
Contributing area of roof:				
Roof slope, rise; run	2.00	12.00		
Angle, degrees; 1/cos $\theta$ multiplier	9.46	1.01		
Increased roof weight due to slope	1.01 x		10.21	10.35
shown rounded to:	<b>10 psf</b>			

**Roof Live Load:**

**20 psf**

**Loading Characteristics:**

Max. width 4.00 feet  
 Span 3.50 feet

<b>Loading</b>	<b>Dead Load</b>	<b>Live Load</b>	<b>Total Load</b>
Weight per s.f.	10.35 psf	20.00 psf	30.35 psf
Load, $w=(\text{Max. width})(\text{Weight})$	41.41 plf	80.00 plf	121.41 plf

**Reactions**

$R_1 = wl/2$	72.47 pounds	140.00 pounds	212.47 pounds
$R_2 = wl/2$	72.47 pounds	140.00 pounds	212.47 pounds
Total	144.94 pounds	280.00 pounds	424.94 pounds

**Check Shear**

Total load 424.94 pounds  
 Reactions/Maximum Vertical Shear 212.47 pounds  
 Horizontal shear= $3/2V$  318.71 pounds  
 Using DF #1,  $F_v =$  285.00 psi  
 Mimimum Area =  $3/2(V_{max}/F_v) =$  1.12 in<sup>2</sup>

**Check Bending Strength**

Maximum moment =  $wl^2/8$  185.91 ft-pounds  
 Max. moment converted to in-lb 2230.95 in.-pounds  
 Using Douglas Fir #1, Fb 1000.00 psi  
 Minimum Section Modulus, M/Fb = 2.23 in<sup>3</sup>

**Check Deflection**

Modulus of Elasticity 1.70E+06 psi  
 Maximum live load deflection,  $l/360$  0.12 inches  
 Actual | Required,  $(5wl^4/384E\Delta)$  1.36 in<sup>4</sup>

Use 4 x 6 D. F. # 1

A= 19.25

S= 17.65

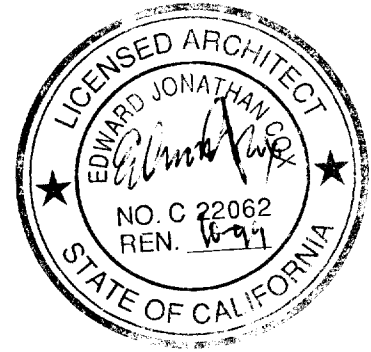
I= 48.53

Ceiling Beam

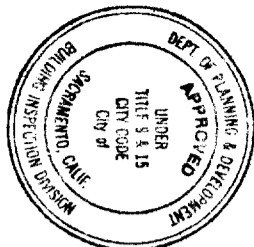
Longest span 15 feet  
 Largest load 910.59 pounds  
 Maximum moment  $Pl/4$  40976.7 inch-pounds  
 Using Douglas Fir #1, Fb 1000.00 psi  
 Minimum Section Modulus, M/Fb = 40.98 in<sup>3</sup>

Use 4 x 10 D. F. # 1

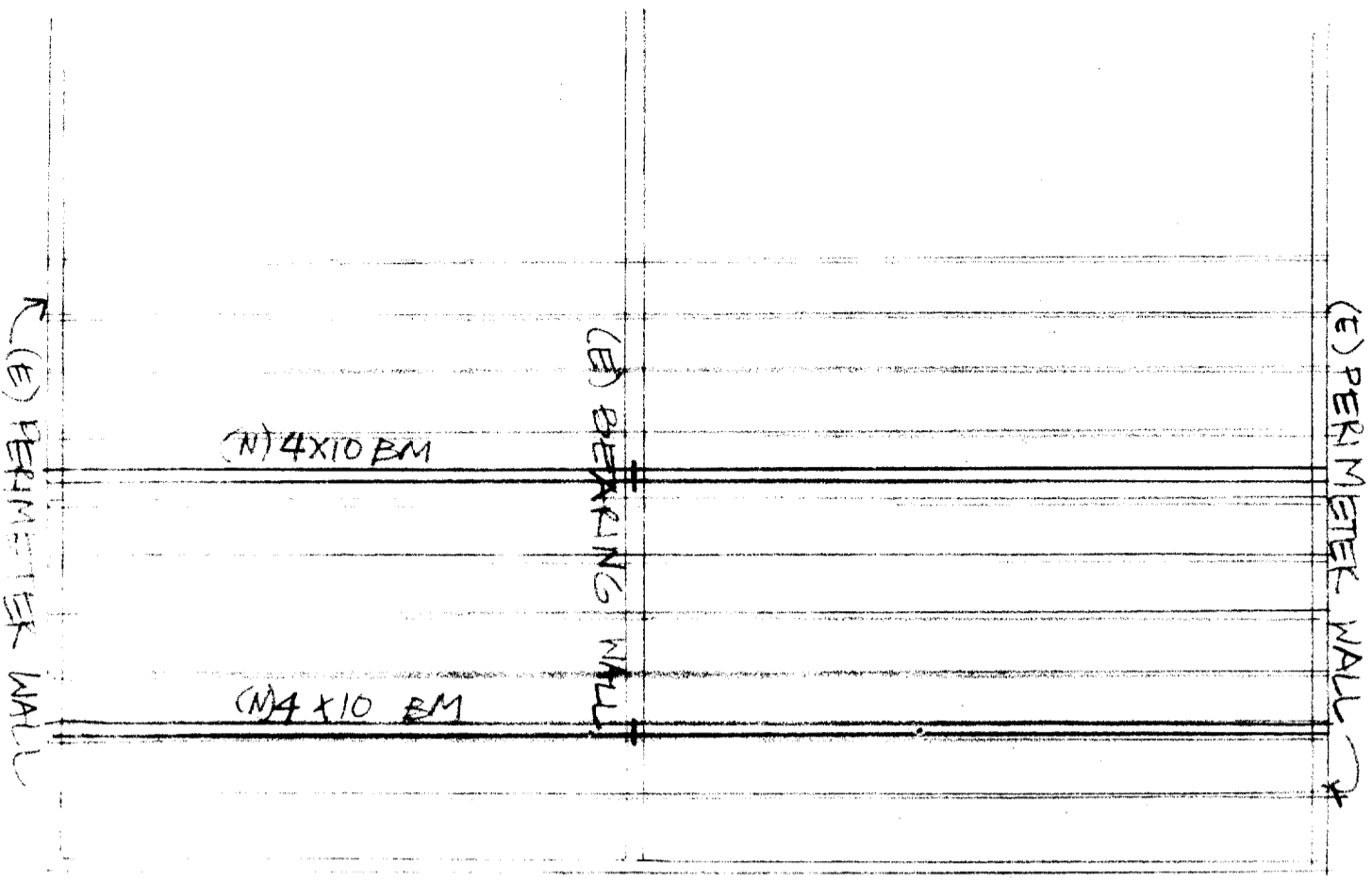
S= 49.91



3/6

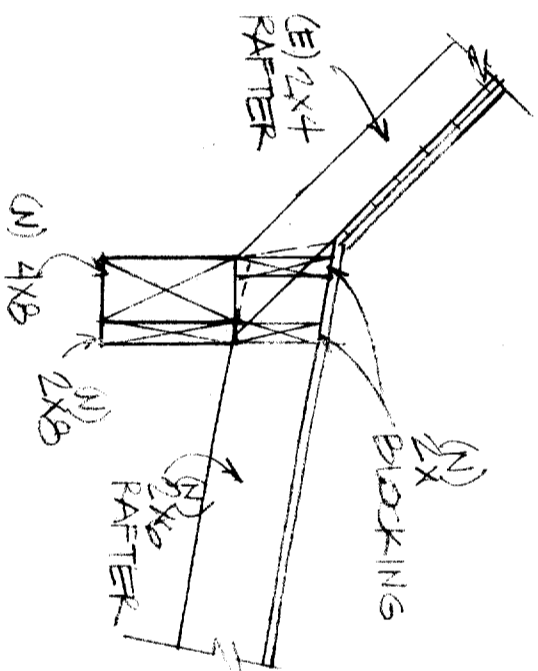


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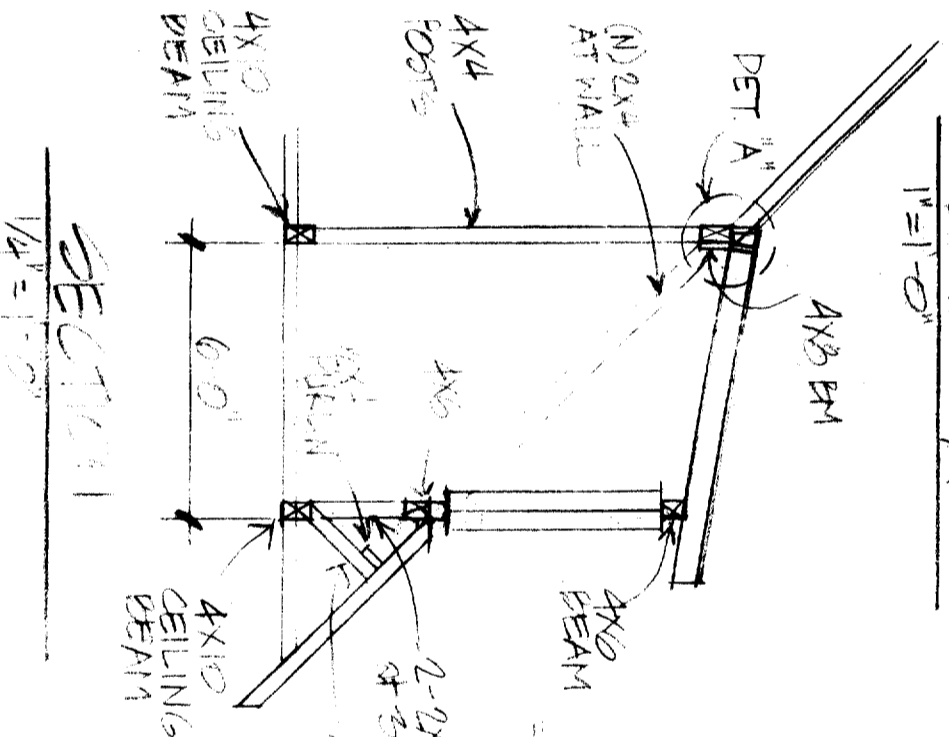


1/4" = 1'-0"  
 CEILING FRAMING

1209/12/11 "T" SK  
 990993/R



DETAIL "A"  
 1" = 1'-0"

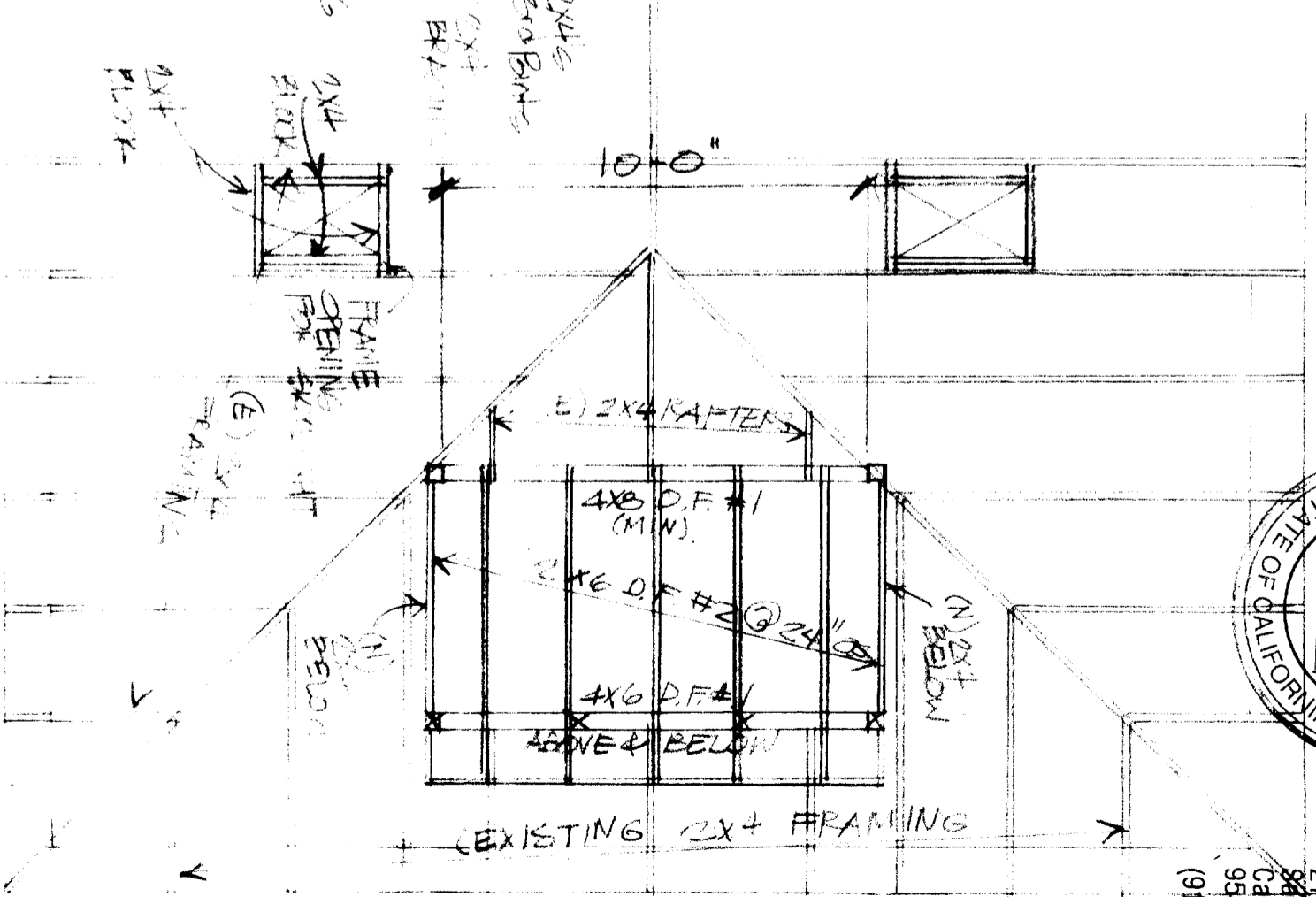
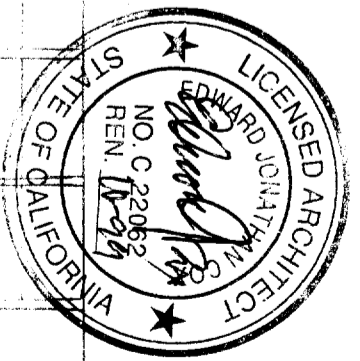


SECTION  
 1/4" = 1'-0"

1209/12/11 "T" SK

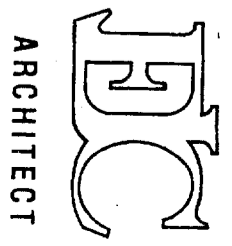
Revised by Matt R. 1/23/99

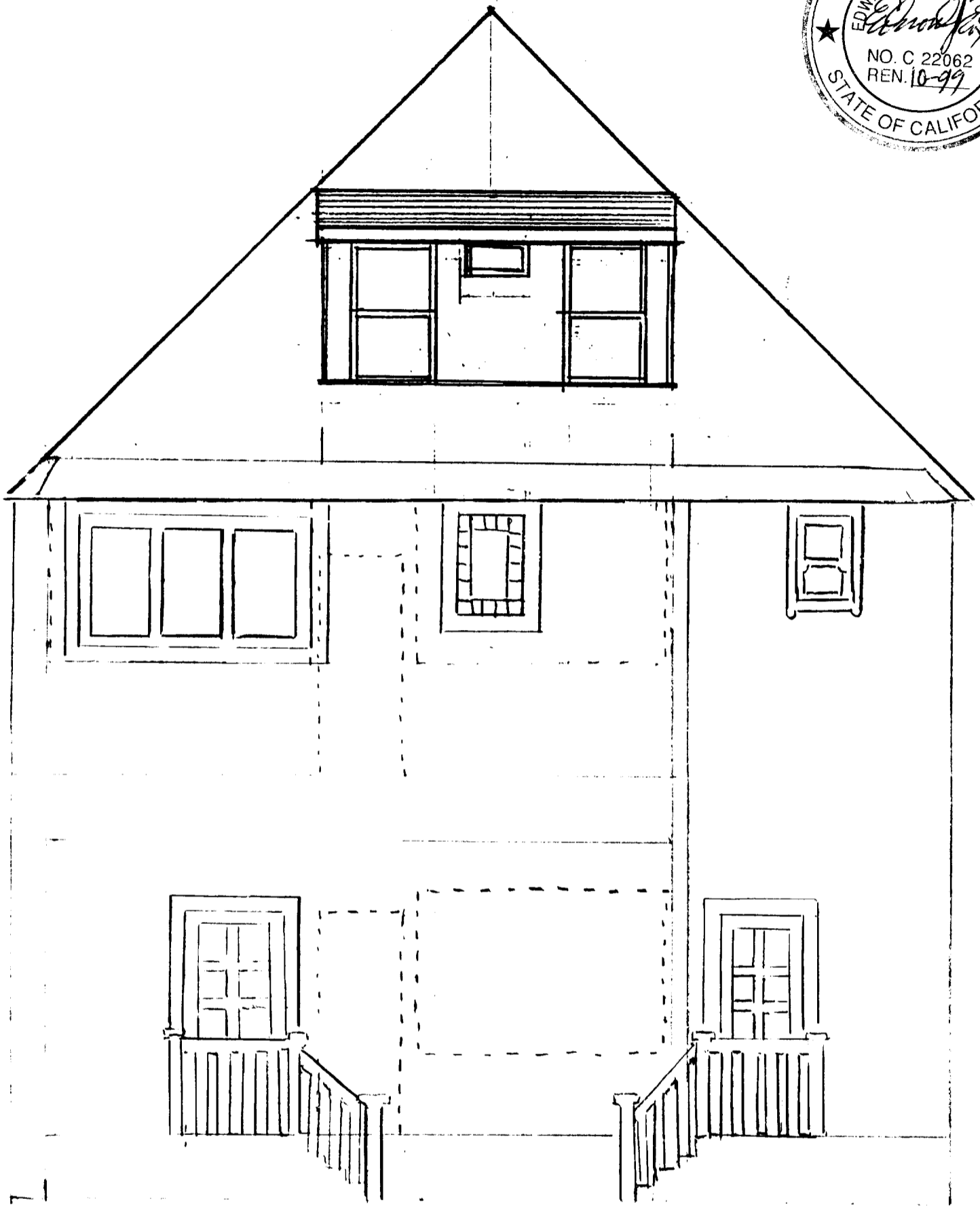
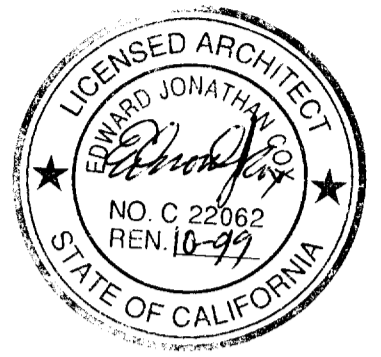
Framing modification to  
 active permit 990993/R.  
 Dome + skylie



1/4" = 1'-0"  
 ROOF FRAMING PLAN

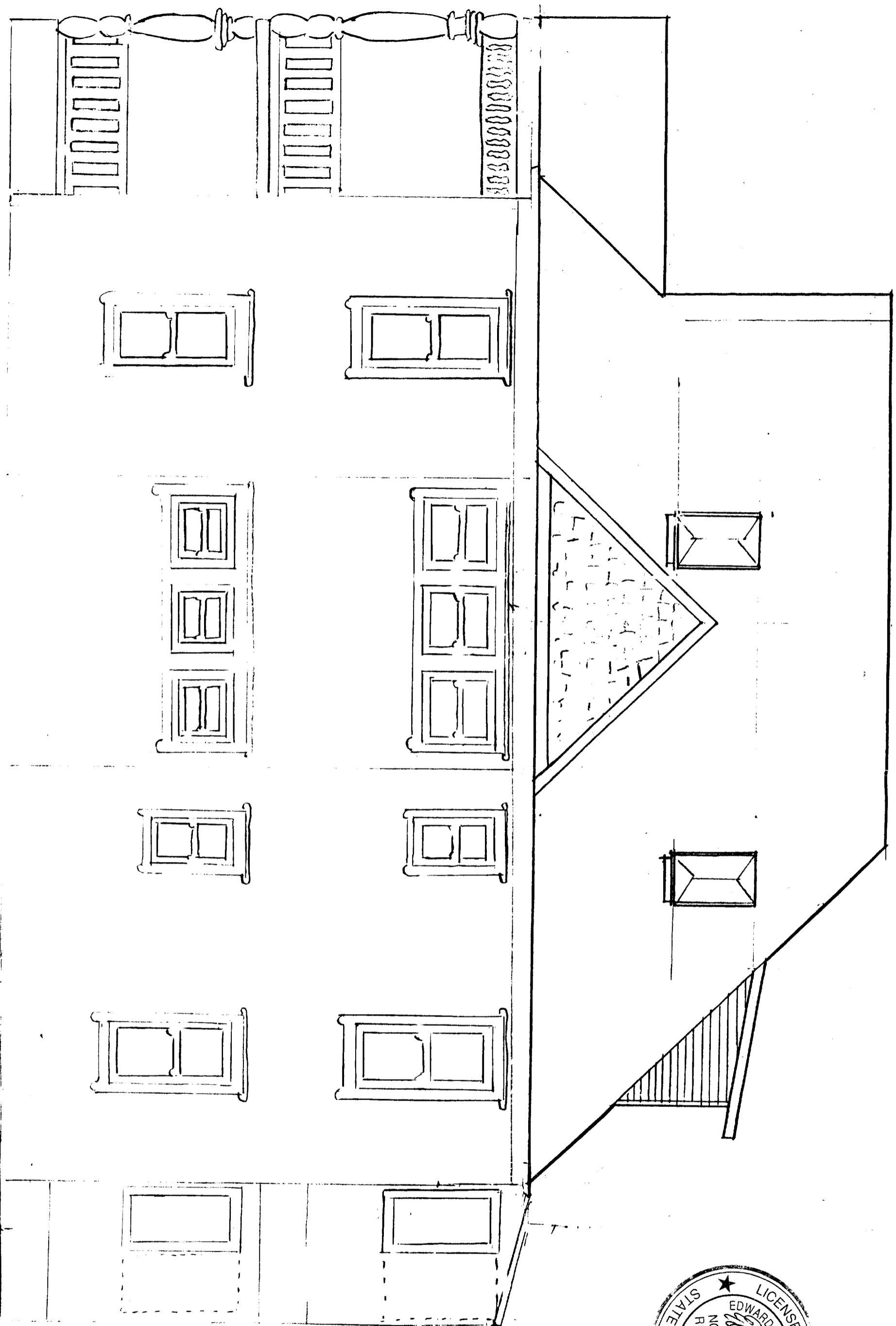
Edward J. Cox  
 2118 E Street  
 Sacramento  
 California  
 95816  
 (916) 442-7407





BACK - NORTH Elevation  
1209 T

9/12



1209 T East ELEVATION



5/6

steps

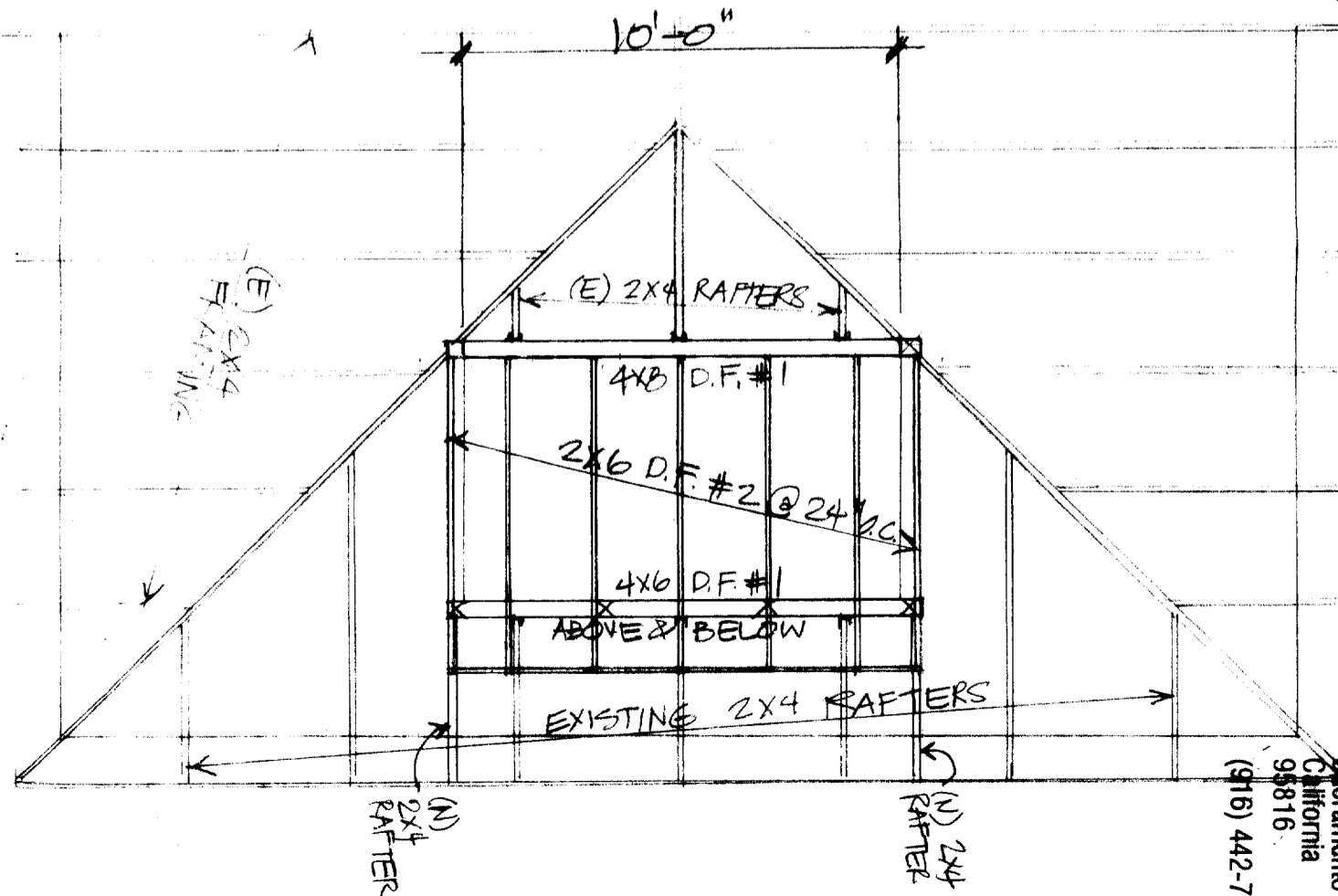
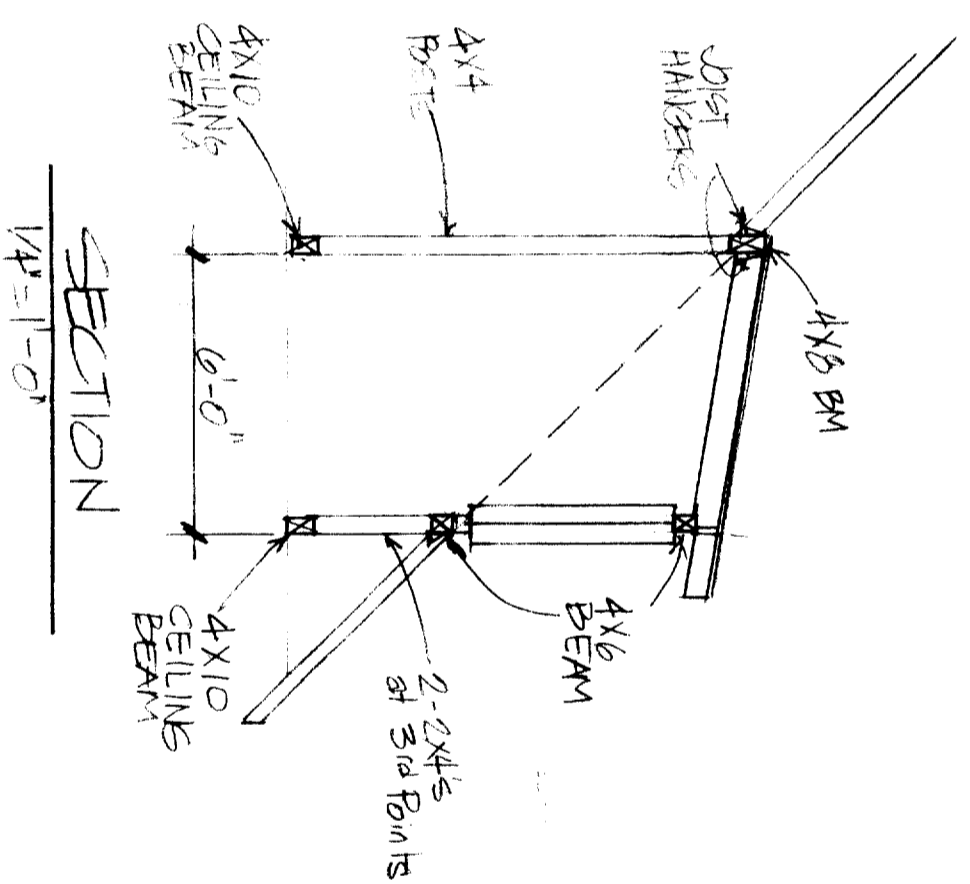
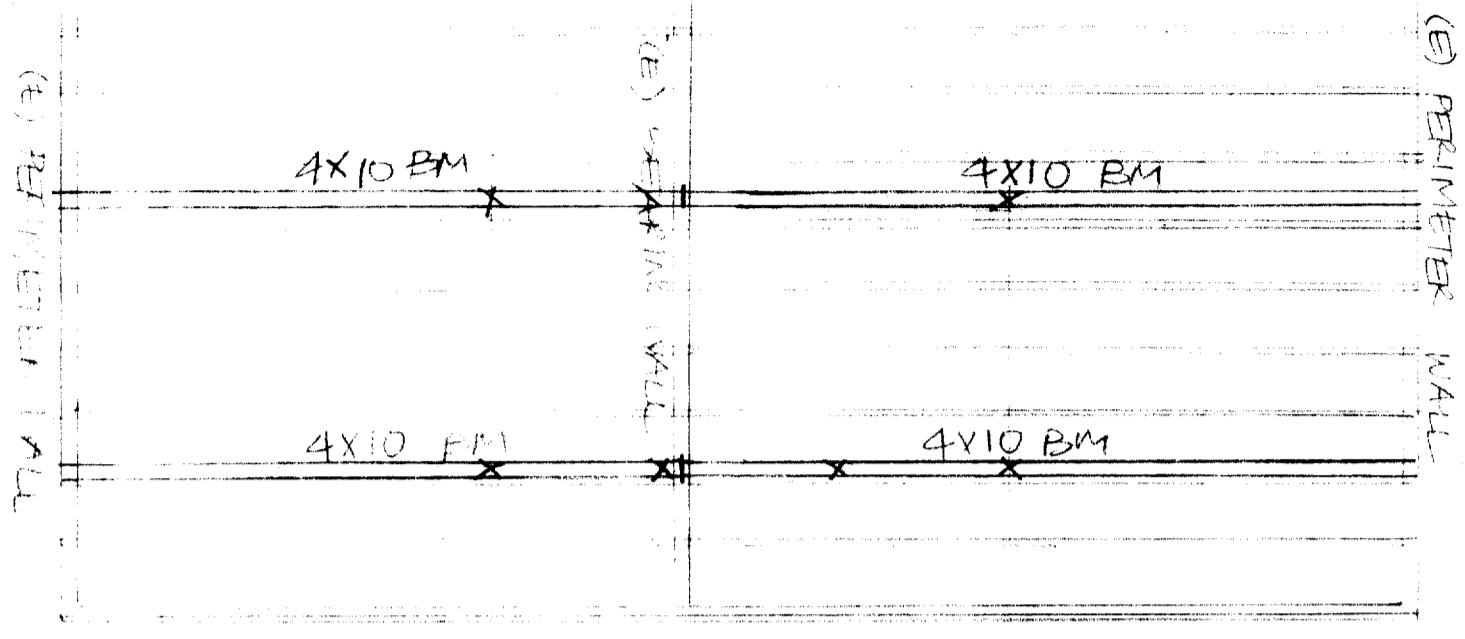
0 10 20





**EDC**  
ARCHITECT

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Sacramento  
California  
95816  
(916) 442-7407



6/10