

CITY OF SACRAMENTO
1231 I Street, Sacramento, CA 95814

Permit No: 9712945

Insp Area: 2

Site Address: 21 MASSIE CT SAC
Parcel No: 1180131036

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

CONTRACTOR
TUDOR CONSTRUCTION
330 TENAYA AV
SACRAMENTO CA
Phone: 916-388-0900

OWNER
SAN BENITO RANCH CO
21 MASSIE CT
SACRAMENTO CA 95823
Phone:

ARCHITECT
Phone:

Nature of Work: FIRE REPAIR - ROOF STRUCTURE REPAIR

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.

X License Class B License Number 429045 Date 9-17-97 Contractor Signature Mark B...

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 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 or 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 or 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 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.

Date _____ Applicant/Agent Signature _____

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.

X 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:

A Carrier Vaugherty + Co Policy Number 80369070

____ (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.

X Date 9-17-97 Applicant Signature Mark B...

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.

**CITY OF SACRAMENTO
APPLICATION FOR BUILDING PERMIT
DEPARTMENT OF PLANNING AND DEVELOPMENT
BUILDING INSPECTION DIVISION**

1231 I Street, Room 200
Sacramento, CA 95814
(916) 264-7619 FAX 264-7046

WICKET'S Comp Policy #
COMPANY

EXP. DATE

ADDRESS 21 massie ct P.C. # _____
 PARCEL # _____ SUITE # _____
 AREA # _____

CONTACT
 NAME Mark Porowski
 ADDRESS _____
 ZIP _____
 PHONE (916) 388-0900 FAX: () _____

LICENSED CONTRACTOR
 NAME Tudor Const
 ADDRESS 6251 Sky creek Dr # 6
Sacto, Ca ZIP 95828
 PHONE (916) 388-0900

ARCH/ENG.
 NAME O'conner Eng.
 ADDRESS P.O. Box 946
El Dorado, Ca ZIP 95623
 PHONE (916) 621-1257

OWNER/
 NAME Sara Jones
 ADDRESS 21 massie Ct
Sacto, Ca 95828 ZIP _____
 PHONE (916) 682-2696

WILL THE PERMITEE HAVE ANY EMPLOYEE'S ON THE JOBSITE? YES NO

NATURE OF WORK IN DETAIL: re build roof structure inc.
some minor elect on ceiling

D.B.A. _____ VALUATION 12,500

FLOOD STATUS _____ S.C.A.T. _____

JOB DESCR. BLDG SHEL APT II(-) REM() SW FIRE ADD OTH

INSP. DISCIPLINES BLDG MECH PLUMB ELEC SITE FIRE

# OF STORIES	AREA 1ST FL.	TOTAL AREA	USE ZONE	OCCUP. GROUP	CONST. TYPE	FIRE SPRINK.	FED. CODE	VIO. FILE
<u>13</u>	<u>L</u>	<u>P</u>	<u>M</u>	<u>E</u>	<u>F</u>	<u>S</u>	<u>D</u>	<u>R</u>

COMMENTS: _____

Sacramento Fire Department - Incident Report

Incident No : 970024406 Call# : 97051522 Date: 06/09/97 Time: 23:46
Address : 21 MASHIE CR
Type : 11 BUILDING FIRE
Action Taken: 12 VENTILATION, EXTINGUISH, SALVAGE, OVERHAUL
Property : STORAGE, WAREHOUSE USE: STRG PROP NOT CLASS
UBC : STORES, OFFICE BLDGS, DINING < 50 (OBSOLETE)

Weather : 60 Degrees / Clear
Resources : 1 Engine
3 Other Apparatus

Fire Casualties : None

Fire Damage : Confined to the fire division compartment
Smoke Damage : Confined to structure of origin
Property Loss : \$10,000 Contents Loss : \$10,000
Property Value : \$1,000,000 Contents Value: \$15,000

Area of Origin : Storage areas not classified Level: A01

Caused by : Equipment: Insufficient information

Form of Heat : Insufficient information

Ignition Factor : Failure to use ordinary care

Type of Material : Undetermined

Form of Material : Undetermined

Type of Material : Undetermined

Form of Material : Undetermined

Other Factors : Acts or Omissions Insufficient information

Extinguished by : Water carried on first in unit

Structure Type : Building with one specific property use

Structure Status : In use
Occupied

Construction Type: Type V - Wood Frame

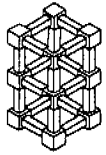
Roof Type : Composition

Number of Stories: 1

Detector Type : No detector

Extinguishing Sys: No extinguishing system

Report Author : F329



O'Connor Engineers, Inc.

Civil, Structural, Electrical & Forensic Engineering

September 17, 1997

Mr. Mark Borowski
Tudor Construction & Restoration
6251 Sky Creek Drive
Suite G
Sacramento, CA 95828

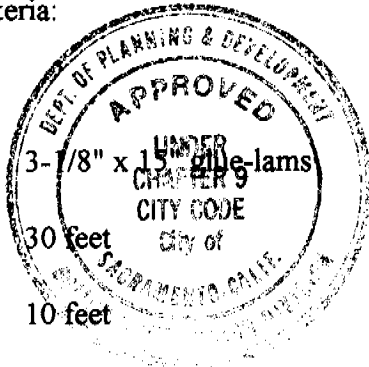
Re: Store and Lock
21 Massie Court, Building H, units 13 and 14
Sacramento, CA 95828
Our File Number: E970923//b

Dear Mr. Borowski:

You are currently re-building the roof for the above captioned project. You wanted to be sure that the existing roof beams were adequate for the loads. You asked me to analyze the beams using the following criteria:

Criteria:

beam size: 3-7/8" x 15" glulam
span: 30 feet
spacing: 10 feet
roofing: 3 ply BUR with mineral cap sheet
no suspended ceiling
no sprinklers
no HVAC loads
rafters: 2x6 @ 24" o.c.
Plywood: 1/2" 5 ply



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 warrant or approve the violation of any City Ordinance or State Law.

Calculations

tributary area to beams = 10 ft x 30 ft = 300 sq ft

design live load = 16 psf (based on live load reduction factors)

dead load:

roofing	3	psf
plywood	1.5	
2x6 @ 24"	1.0	
Glue-lams	1.5	
Misc	1.0	

Total 8.0 psf

total loads, dead plus live = 24 psf

$w = 24 \text{ psf} \times 10 \text{ feet} = 240 \text{ plf}$

$M = 1/8 \times 240 \times 30^2 = 27 \text{ kip-ft}$

$f_b = 12 \times 27 \text{ kip-ft} / S \times C_f = 12 \times 27 / (117.2 \times 0.9915) = 2,788 \text{ psi}$

$F_b = 2400 \text{ psi} \times 1.25 = 3,000 \text{ psi} \gg 2,788 \text{ psi}$ okay

$V = 240 \text{ plf} \times (30/2 - 15/24) = 3,450 \text{ lbs}$

$f_v = 1.5 \times 3,450 / A = 110 \text{ psi} < 165 \text{ psi}$ okay

$\Delta = (5/384) \times 240 \times 30^4 \times 1728 / (1800000 \times 878.9) = 2.76 \text{ inches} = L/130$

$\Delta_{DL} = (5/384) \times 80 \times 30^4 \times 1728 / (1800000 \times 878.9) = 0.92 \text{ inches} = L/391$

check camber with standard radius:

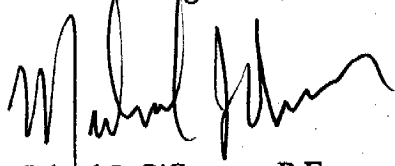
$R = [L^2 / (8 \times \Delta)] = 1467 \text{ ft}$

\therefore use 3-1/8" x 15" comb 24F-V4 glue lams with maximum 1600 ft radius camber

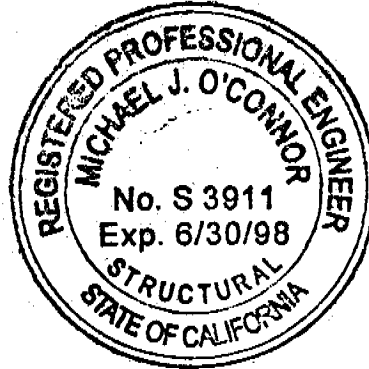
Thank you for calling O'Connor Engineers, Inc. If you have any questions about this report, please call me.

Sincerely,

O'Connor Engineers, Inc.

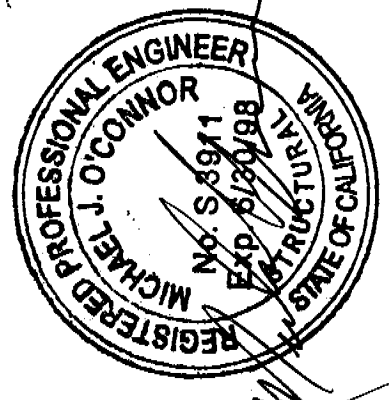
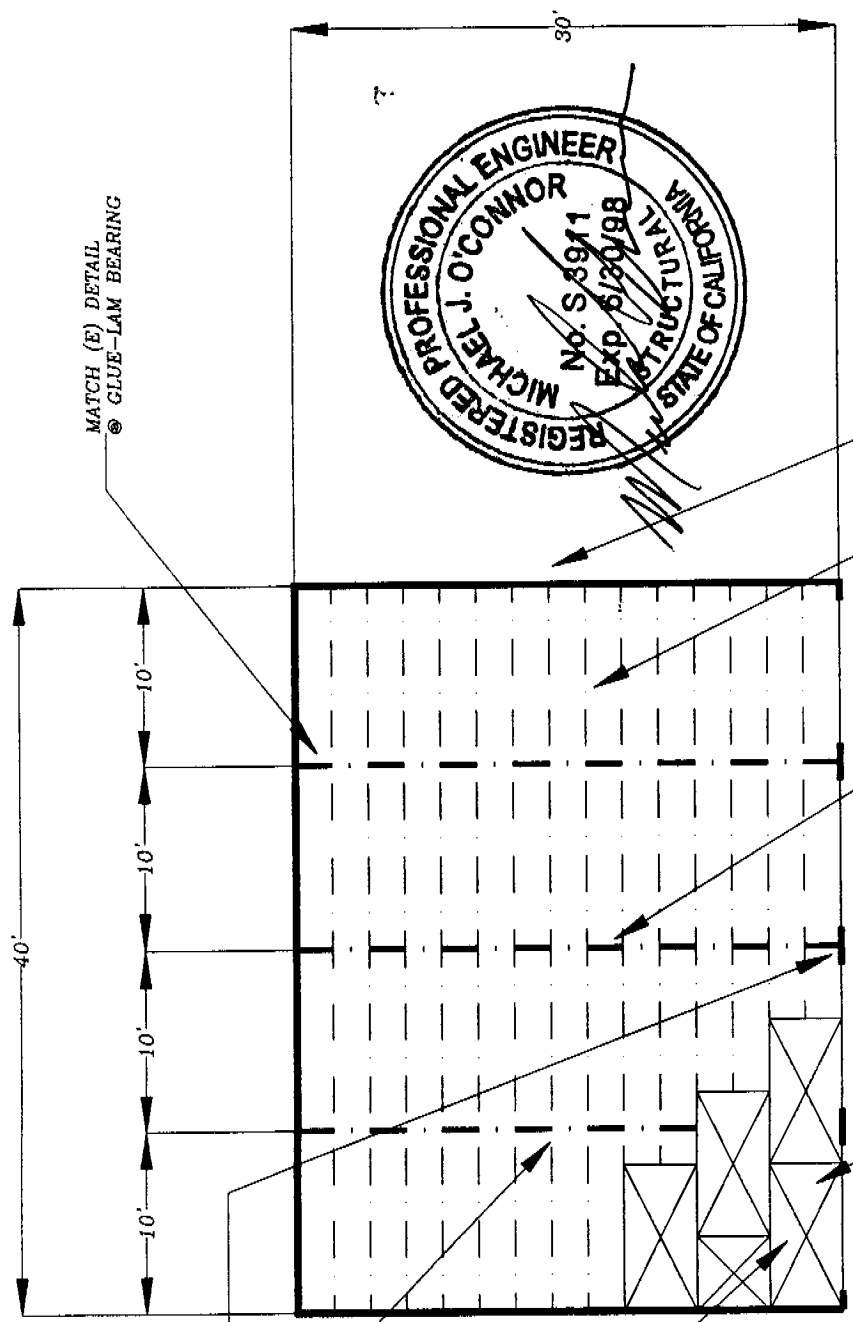


Michael J. O'Connor, P.E.
REGISTERED STRUCTURAL ENGINEER NO. 3911
REGISTERED CIVIL ENGINEER NO. 33404
REGISTERED ELECTRICAL ENGINEER NO. 12719



enclosures:

roof plan



NOTES:

1. DESIGN ROOF LIVE LOAD = 20 PSF
2. DESIGN ROOF DEAD LOAD = 8 PSF
3. MATCH (E) DETAILS, TYP.
4. ROOFING IS 3-PLY BUR WITH MINERAL CAP SHEET.

O'CONNOR ENGINEERS, INC.
 P.O. BOX 986
 EL DORADO, CA 95623-0986
 800-341-5721

3-1/8" X 15" COMB 24F-V4, R=1600 FT

1/2" CDX 5-PLY
 NAIL WITH NAILING
 PATTERN TO MATCH
 EXISTING NAILING

ROOF FRAMING PLAN

Technician: O'CONNOR	Job: STORE & LOCK
Date: 9/17/97	Job Number: E970923b