

CITY OF SACRAMENTO

Permit No: 9812214

1231 I Street, Sacramento, CA 95814

Insp Area: 2

Site Address: 905 ROEDER WY SAC

Sub-Type: RES

Parcel No: 0240042008

Housing (Y/N): N

CONTRACTOR

BROUSSEAU ROOFING SERVICE
1040 RIO LANE #18
SACRAMENTO CA 95822

OWNER

ENTZ DIANA D
905 ROEDER WY
SACRAMENTO CA 95822

ARCHITECT

Nature of Work: TEAR OFF SHAKE ROOF AND INSTALL 25YR COMP

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 C30 License Number 705231 Date 12/11/98 Contractor Signature Michael Brasser

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 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 12/11/98 Applicant/Agent Signature Michael Brasser

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

(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 12/11/98 Applicant Signature Michael Brasser

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.

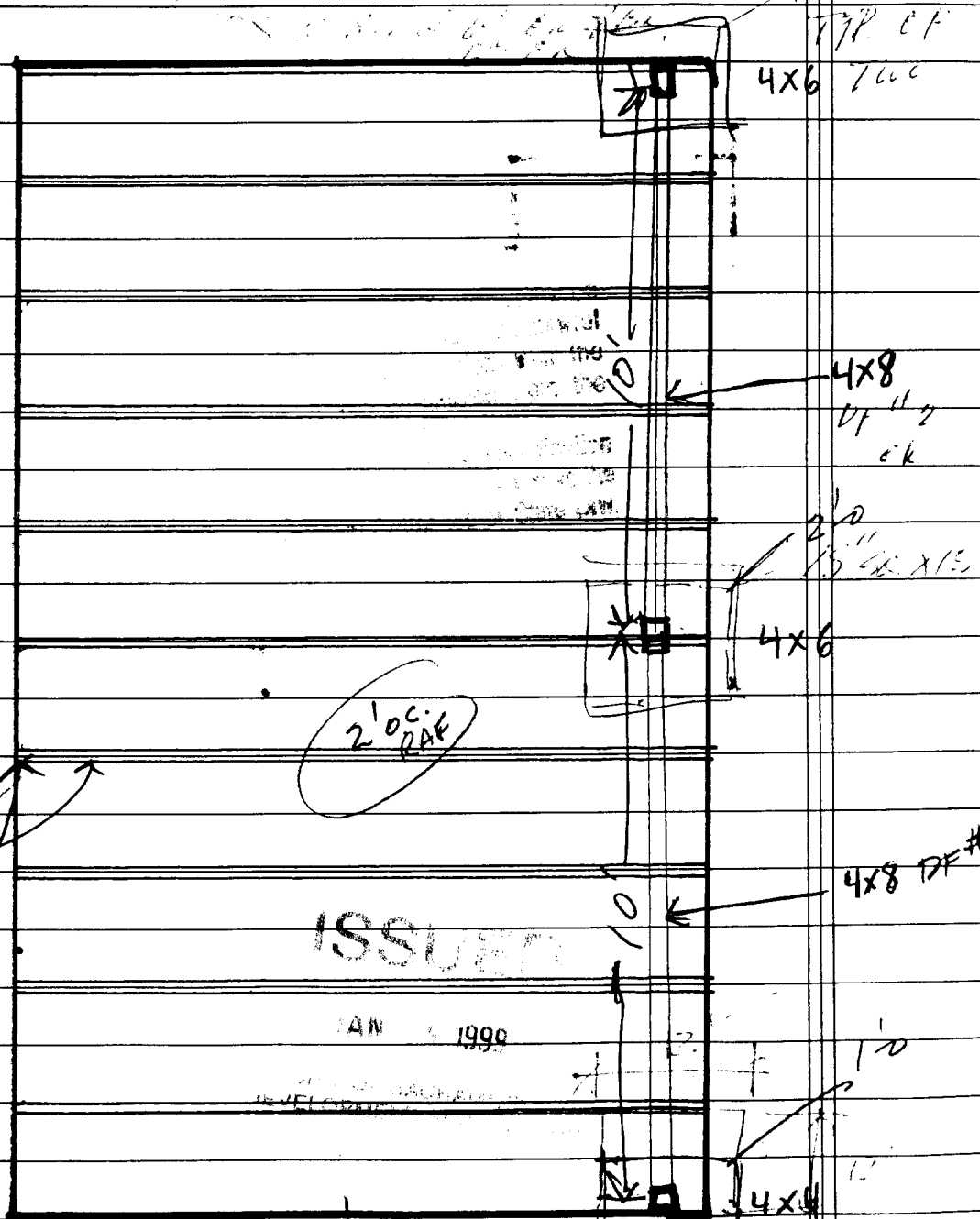
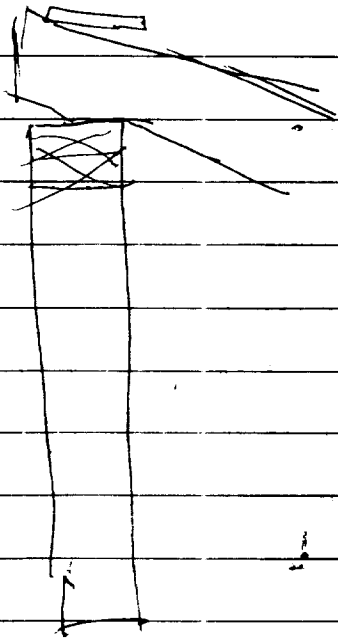
THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS.

- cross section of where it attaches to wall plate
- set back to property line
- fastening system, size of screws, bolts, etc.
- cross section of whole

LOW SLOPE DOUBLE COVERAGE

$10 \times 6 = 60$
 $20 \times 6 = 120$

Ceiling Back eaves
 Blocked



$2 \times 6 \times 12'$
 JOIST
 sitting on
 wall plate

2' OC RAF

$\frac{10}{20}$
 $30 \times 10 \times 6$
 $60 \times 30 = 1800$
 $20 \phi \times 15''$

12' ←
 Brackets used to connect all beams to column and anchored to concrete

DL 7 psf
LL 20 psf

Title :
Dsgnr :
Description :

Date: Job #

Scope :

General Timber Beam

General Information

Description

Section Name	2x6	Center Span	11.50 ft	.....Lu	0.00 ft
Beam Width	1.500 in	Left Cantilever	ft	.....Lu	0.00 ft
Beam Depth	5.500 in	Right Cantilever	ft	.....Lu	0.00 ft
Member Type	Sawn				
LL & ST Act Together		Fb Allow	1,006.0 psi		
Load Dur. Factor	1.250	Fv Allow	95.0 psi		
Beam End Fixity	Pin-Pin	Fc Allow	625.0 psi		
Wood Density	34.000 pcf	E	1,600.0 ksi		

Uniform Loads

Uniform Loads Over Full Span

Center	DL	14.00 #/ft	LL	40.00 #/ft
Left Cantilever	DL	#/ft	LL	#/ft
Right Cantilever	DL	#/ft	LL	#/ft

Summary

Beam Design OK

Span= 11.50ft, Beam Width = 1.500in x Depth = 5.5in, Ends are Pin-Pin

Max Stress Ratio 0.898 : 1

Maximum Moment Allowable	0.9 k-ft 1.0 k-ft	Maximum Shear * 1.5 Allowable	0.4 k 1.0 k
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Max. Positive Mom	0.92 k-ft	a	5.750 ft	Shear:	@ Left	0.32 k
Max. Negative Moment	0.00 k-ft	a	11.500 ft		@ Right	0.32 k
Max @ Left Support	0.00 k-ft			Camber:	@ Left	0.000 in
Max @ Right Support	0.00 k-ft				@ Center	0.283 in
Max. M allow	1.03				@ Right	0.000 in
fb 1,467.59 psi		f _v	54.28 psi	Reactions...	Left DL	0.09k
Fb 1,634.75 psi		F _v	118.75 psi		Right DL	0.09 k
					Max	0.32k
					Max	0.32 k

Deflections

Center Span...	Dead Load	Total Load	Left Cantilever...	Dead Load	Total Load
Deflection	-0.189 in	-0.662 in	Deflection	0.000 in	0.000 in
Location	5.750 ft	5.750 ft	...Length/Defl	0.0	0.0
Length/Defl	731.7	208.57	Right Cantilever...		
			Deflection	0.000 in	0.000 in
			...Length/Defl	0.0	0.0

ISSUED

JAN 14 1999

OFFICE OF ENGINEERING
DEVELOPMENT AND RESEARCH

Title :
 Dsgnr:
 Description :

Date: Job #

Scope :

General Timber Beam

Stress Calcs

Bending Analysis

Ck 28.929 Rb 0.000 Sxx 7.563 in3 Area 8.250 in2
 Cf 1.300

	<u>Max Moment</u>	<u>Sxx Req'd</u>	<u>Actual fb</u>
@ Center	0.92 k-ft	6.79 in3	1,634.75 psi
@ Left Support	0.00 k-ft	0.00 in3	1,634.75 psi
@ Right Support	0.00 k-ft	0.00 in3	1,634.75 psi

Shear Analysis

	@ Left Support	@ Right Support
Design Shear	0.45 k	0.45 k
Area Required	3.771 in2	3.771 in2
Actual Stress : fv	118.75 psi	118.75 psi

Bearing @ Supports

Max. Left Reaction	0.32 k	Bearing Length Req'd	0.343 in
Max. Right Reaction	0.32 k	Bearing Length Req'd	0.343 in

Query Values

M, V, & D @ Specified Locations		Moment	Shear	Deflection
@ Center Span Location =	0.00 ft	0.00 k-ft	0.32 k	0.0000 in
@ Right Cant. Location =	0.00 ft	0.00 k-ft	0.00 k	0.0000 in
@ Left Cant. Location =	0.00 ft	0.00 k-ft	0.00 k	0.0000 in

ISSUED
 JAN 14 1999
 CITY OF SPRINGFIELD
 DEVELOPMENT DEPARTMENT

DL 7 psf
LL 20 psf

Title :
Dsgnr:
Description :

Date: Job #

Scope :

General Timber Beam

General Information

Description

Section Name	4x8	Center Span	10.00 ft	.....Lu	0.00 ft
Beam Width	3.500 in	Left Cantilever	ft	.....Lu	0.00 ft
Beam Depth	7.250 in	Right Cantilever	ft	.....Lu	0.00 ft
Member Type	Sawn				
LL & ST Act Together		Fb Allow	875.0 psi	← DF#2	
Load Dur. Factor	1.250	Fv Allow	95.0 psi		
Beam End Fixity	Pin-Pin	Fc Allow	625.0 psi		
Wood Density	34.000 pcf	E	1,600.0 ksi		

Uniform Loads

Uniform Loads Over Full Span

Center	DL	42.00 #/ft	LL	120.00 #/ft
Left Cantilever	DL	#/ft	LL	#/ft
Right Cantilever	DL	#/ft	LL	#/ft

Summary

Beam Design OK

Span= 10.00ft, Beam Width = 3.500in x Depth = 7.25in, Ends are Pin-Pin

Max Stress Ratio 0.578 : 1

Maximum Moment	2.1 k-ft	Maximum Shear * 1.5	1.1 k
Allowable	3.6 k-ft	Allowable	3.0 k
Max. Positive Mom	2.10 k-ft	a	5.000 ft
Max. Negative Moment	0.00 k-ft	a	0.000 ft
Max @ Left Support	0.00 k-ft	Shear:	@ Left 0.84 k
Max @ Right Support	0.00 k-ft		@ Right 0.84 k
Max. M allow	3.63	Camber:	@ Left 0.000 in
			@ Center 0.091 in
			@ Right 0.000 in
fb 821.84 psi	fv 43.69 psi	Reactions...	
Fb 1,421.88 psi	Fv 118.75 psi	Left DL	0.24k Max 0.84k
		Right DL	0.24 k Max 0.84 k

Deflections

Center Span...	Dead Load	Total Load	Left Cantilever...	Dead Load	Total Load
Deflection	-0.061 in	-0.213 in	Deflection	0.000 in	0.000 in
.Location	5.000 ft	5.000 ft	...Length/Defl	0.0	0.0
.Length/Defl	1,976.4	564.60	Right Cantilever...		
			Deflection	0.000 in	0.000 in
			...Length/Defl	0.0	0.0

ISSUED

JAN 14 1999

CITY OF SALEM
DEVELOPER

Title :
 Dsgnr:
 Description :

Date: Job #

Scope :

General Timber Beam

Stress Calcs

Bending Analysis

Ck 31.019 Rb 0.000 Sxx 30.661 in3 Area 25.375 in2
 Cf 1.300

	<u>Max Moment</u>	<u>Sxx Req'd</u>	<u>Actual fb</u>
@ Center	2.10 k-ft	17.72 in3	1,421.88 psi
@ Left Support	0.00 k-ft	0.00 in3	1,421.88 psi
@ Right Support	0.00 k-ft	0.00 in3	1,421.88 psi

Shear Analysis

	@ Left Support	@ Right Support
Design Shear	1.11 k	1.11 k
Area Required	9.337 in2	9.337 in2
Actual Stress : fv	118.75 psi	118.75 psi

Bearing @ Supports

Max. Left Reaction	0.84 k	Bearing Length Req'd	0.384 in
Max. Right Reaction	0.84 k	Bearing Length Req'd	0.384 in

Query Values

M, V, & D @ Specified Locations	Moment	Shear	Deflection
@ Center Span Location =	0.00 ft	0.00 k-ft	0.84 k
@ Right Cant. Location =	0.00 ft	0.00 k-ft	0.00 k
@ Left Cant. Location =	0.00 ft	0.00 k-ft	0.00 k
			0.0000 in
			0.0000 in
			0.0000 in

ISSUED

JAN 14 1999

INSTITUTION OF STRUCTURAL ENGINEERS
 1111 17th Street, N.W.
 WASHINGTON, D.C. 20036