

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

**Permit No: 0105728**  
**Insp Area: 2**

**Site Address: 41 FALLWIND CR SAC**  
Parcel No: 031-0710-010

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

CONTRACTOR  
PACIFIC BUILDERS  
5421 84TH ST  
SAC, CA. 95826

OWNER  
BARRIOS ROMAN SONIA D  
41 FALLWIND CR  
SACRAMENTO CA 95831

ARCHITECT

**Nature of Work: 297 SQFT PATIO COVER INSTALLATION**

**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 B1 License Number 21440 Date 5-7-01 Contractor Signature [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 \_\_\_\_\_ 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 5-7-01 Applicant/Agent Signature [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.

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 159683600 Exp Date 10/01/2001

\_\_\_\_\_, (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 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 5-7-01 Applicant Signature [Signature]

**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.**

Date of Request: May 7, 2001  
By: Bill Bushbaum

CITY OF SACRAMENTO DEVELOPMENT SERVICES DIVISION  
PLANNING AND ZONING INFORMATION REQUEST

Project Address: 41 Fallwind Circle

Assessor's Parcel Number: 031-0710-010

Previous Use: exist. S.F.R.

Description of Request/Proposed Use: patio cover

Is This a Change of Use? NO

Zoning Designation: R-1

Prior Applications for Project Site(P#, Z#, DRPB#): none

Comments: exist. house (incl. garage, porch, etc.) plus new patio cover may not exceed 3310 sq. ft. total (based on lot area in Metroscan); other wise meets setback requirements, but not enough info to calc lot coverage;

Are There Any Planning Issues?: (circle one) YES  NO

- \* Staff Site Plan Check Required? (Circle one) YES NO
- \* Field Inspection Required? (Circle one) YES NO
- \* Design Review/Preservation Required?: (Circle one) YES NO

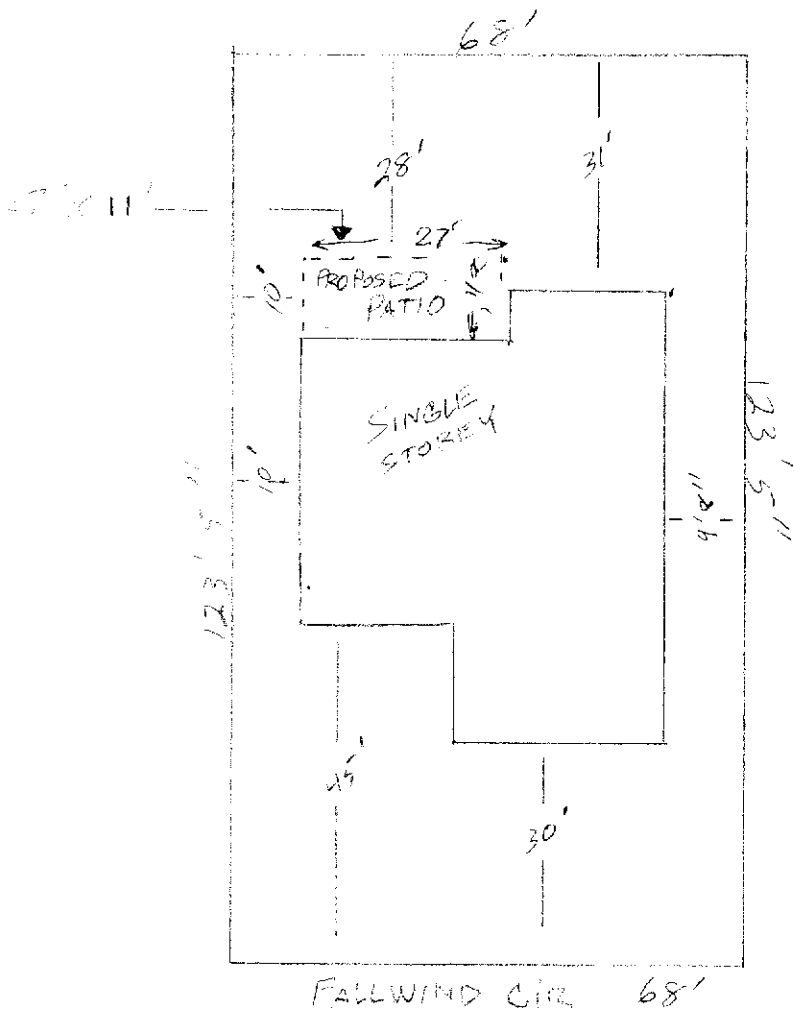
Planning Review by/Date: Phil Reed 5/7/01

needs to provide site plan to scale with bly dims to confirm area of exist. house

A list of items that must be reviewed by Planning is provided on the reverse side of this form.

sufficient info provided to calc  
MICROFILM AFTER FINAL lot coverage = 3320  
"Details" on microfilm

incl. garage and all covered (roofed) structures  
Phil Reed 5/7/01



BILL HALL ISSUED  
41 FALLWIND CIR MAY 27 2006  
SAC, CA

All plans and specifications must be  
 maintained at all times and it is unlawful  
 to make changes or alterations from the  
 approved written permission of the  
 inspecting Division.  
 This plan and specifications are  
 subject to change without notice.  
 Date: \_\_\_\_\_



JEH

10/26/99  
8/20/97

DORHLUM

99-1255  
97-704

2/3

DESIGN: CONNECTION TO TOP OR BOTTOM OF EAVE FOR  
SUPPORT OF LATTICE COVER, PATIO COVER OR  
SUNROOM STRUCTURES INSTALLED PER REQUIREMENTS  
OF 1997 UBC APPENDIX 31 DIV. III

LOADS

LIVE LOAD = 10, 20 PSF

DEAD LOAD = 5 PSF (COVER)

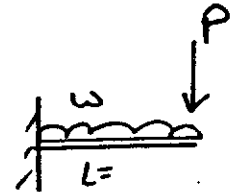
WIND: 80 MPH - PUP = 13 PSF

DEAD LOAD (EAVE) = 10 PSF

FIND MAX ALLOWABLE LOADS TO 2x4 EAVE (#2DF).

$$V_{ALL} = \frac{1.5(3.5)(95)(1.25)}{1.5} = 416\#$$

$$M_{ALL} = \frac{3.00 \text{ in}^3 (875) \sqrt{\text{SIZE}} \text{ LDF}}{12} (1.5)(1.25) = 418 \text{ in} \cdot \text{ft}$$



$$\Delta_{ALL} = \frac{L(12)}{180}$$

$$V_{ACT} = P + WL \leq 416\# \Rightarrow P_{MAX} = 416\# - WL \quad (1)$$

$$M_{ACT} = \frac{WL^2}{2} + PL \leq 418 \Rightarrow P_{MAX} = \frac{418 - \frac{WL^2}{2}}{L} \quad (2)$$

EI = 8575000

$$\Delta_{ACT} = \left[ \frac{WL^4}{8EI} + \frac{PL^3}{3EI} \right] (1728) \leq \frac{L(12)}{180} = \frac{L}{15}$$

$$\Rightarrow P_{MAX} = \left[ \frac{L}{15(1728)} - \frac{WL^4}{8EI} \right] \left( \frac{3EI}{L^3} \right) \quad (3)$$

USE P<sub>MAX</sub> FROM  
3 CASES!

FIND MAX TRIB WIDTH FROM COVER

$$P_{MIN} = \text{TRIB WIDTH} \left( \overset{\text{TO COVER}}{LL + 5 \text{ PSF}} \right) \left( \frac{\text{SPACING}}{12} \right)$$

$$\text{MAX TRIB WIDTH} = \frac{P \left( \frac{12}{\text{SPACING}} \right)}{(LL + 5 \text{ PSF})}$$

MAX DIST. TO FIRST PATIO COVER = 2 (TRIBUTARY WIDTH)  
SUPPORT.

PACIFIC CONSULTING ENGINEERS  
2780 BELL AVE., SUITE 145  
SACRAMENTO, CA 95833

SEE COMPUTER PRINT OUT NEXT PAGE

JEH

12741  
43301  
43302  
43303  
43304  
43305  
43306  
43307  
43308  
43309  
43310  
43311  
43312  
43313  
43314  
43315  
43316  
43317  
43318  
43319  
43320  
43321  
43322  
43323  
43324  
43325  
43326  
43327  
43328  
43329  
43330  
43331  
43332  
43333  
43334  
43335  
43336  
43337  
43338  
43339  
43340  
43341  
43342  
43343  
43344  
43345  
43346  
43347  
43348  
43349  
43350  
43351  
43352  
43353  
43354  
43355  
43356  
43357  
43358  
43359  
43360  
43361  
43362  
43363  
43364  
43365  
43366  
43367  
43368  
43369  
43370  
43371  
43372  
43373  
43374  
43375  
43376  
43377  
43378  
43379  
43380  
43381  
43382  
43383  
43384  
43385  
43386  
43387  
43388  
43389  
43390  
43391  
43392  
43393  
43394  
43395  
43396  
43397  
43398  
43399  
43400

10/26/99  
8/20/97

DURALUM

97-704  
99-1255

3/3

**TABLE 1: MAXIMUM POINT LOAD TO 2x4 #2 DF EAVE**

EAVE LENGTH (INCHES)	10 PSF ROOF LIVE LOAD									
	16" RAFTER SPACING 26.67 = w, PLF			LOAD TO USE	MAX TRIB WIDTH FROM COVER	24" RAFTER SPACING 40.00 = w, PLF			LOAD TO USE	MAX TRIB WIDTH FROM COVER
	(V)	(M)	(DEFL)			(V)	(M)	(DEFL)		
12	388.96	405.37	982.48	388.96	19.45	375.63	398.70	977.48	375.63	12.965278
16	380.07	296.25	968.77	296.25	14.81	362.29	287.36	956.92	287.36	9.8749367
24	362.29	182.68	912.48	182.68	9.13	335.63	169.35	872.48	169.35	6.089464

EAVE LENGTH (INCHES)	20 PSF ROOF LIVE LOAD									
	16" RAFTER SPACING 40 = w, PLF			LOAD TO USE	MAX TRIB WIDTH FROM COVER	24" RAFTER SPACING 60 = w, PLF			LOAD TO USE	MAX TRIB WIDTH FROM COVER
	(V)	(M)	(DEFL)			(V)	(M)	(DEFL)		
12	375.63	398.70	977.48	375.63	11.27	355.63	388.70	969.98	355.63	7.51
16	362.29	287.36	956.92	287.36	8.62	335.63	274.03	939.14	274.03	5.75
24	335.63	169.35	872.48	169.35	5.08	295.63	149.35	812.48	149.35	3.39

	2x4 #2 DF		2x6 #2 DF
	(BASIC)	1.25	1.33
V(all)	332.50	415.63	442.23
M(all)	334.96	418.70	445.50
EI	8575000		

CONNECTION OF BRACKET TO EAVE RAFTER

$T_{MAX} = 389\#$  (IF BRACKET MOUNTED TO BOTTOM OF EAVE.)

TALL (#10 WS w/ 1/2" ANCH) =  $(95\#/IN) (1.15") = 142\#/\text{screw}$

MIN # OF SCREWS =  $\frac{389\#}{142} = 2.73 \Rightarrow$

USE (3) #10 W.S. FROM BRACKET TO EAVE RAFTER

CONNECTION OF LEDGER TO BRACKET

$V_{MAX} = 389\#$

$V_{ALL} (\#10 WS) = (143\#/\text{screw}) (1.25) = 178.75\#/\text{screw}$

MIN # OF SCREWS =  $\frac{389}{179} = 2.17 \Rightarrow$

USE (3) #10 W.S. FROM BRACKET TO LEDGER

PACIFIC CONSULTING ENGINEERS  
200 BELL AVE., SUITE 145  
BERKELEY, CA 94704

JCH