

CITY OF SACRAMENTO
1231 I Street, Sacramento, CA 95814

Permit No: 0316121
Insp Area: 3
Thos Bros: 318 A5

Site Address: 5817 62ND ST SAC
Parcel No: 027-0201-008

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

CONTRACTOR
JR TURNER CONSTRUCTION
8116 ALPINE AV
SAC CA 95826

OWNER
GLEN & SYLVIA TURNER
5817 62ND ST
SAC CA 95824

ARCHITECT

Nature of Work: ADD 480SF BEDROOM ,300SF PATIO COV.,&CLOSET REMODEL

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 417525 Date 12-10-03 Contractor Signature James R Turner

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 a 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 12-10-03 Applicant/Agent Signature James R Turner

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 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 12-10-03 Applicant Signature James R Turner

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.

PLANNING REVIEW FOR BUILDING PERMIT SUBMITTAL

ADDRESS: 5817 62 ND ST	APN: 027-0201-008
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DRPB AREA / PUD / SPD: N/A	ZONING: R-1
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EXISTING LAND USE: SFR

PROPOSED USE: SFR W/ADDITION OF NEW BEDROOM & COVERED PATIO

PLANNING STAFF WILL CHECK ONE OR MORE OF THE ITEMS BELOW:

Planning review is NOT required.

Use is NOT allowed; applicant CANNOT submit for plan check.

Requires APPLICATION(s): PC ZA IR ER DR PB
 Required Planning application must be submitted *before* project can be submitted for plan check.

Application(s) IN PROGRESS:
 Applicant may submit for concurrent building permit plan check, at applicant's risk.
 Building Division must check with Planning staff and/or SITE before issuing building permit.

Application(s) COMPLETED:
 Building permit must conform to approved plans and comply with all conditions of approval.
 Do NOT issue building permit prior to end of 10 day appeal period.

Plans may be submitted for plan check. Plan checker(s) shall confirm compliance with Zoning Ordinance requirements and all applicable development standards *prior to issuance* of building permit.

Meets setback & lot coverage requirements as shown on site plan provided.

Plans to be submitted have been stamped/signed by Planning counter staff.

Route to SITE for plan check and inspection.

Preliminary review ONLY; the information on this form **must be reviewed again and confirmed** at the time of building permit submittal.

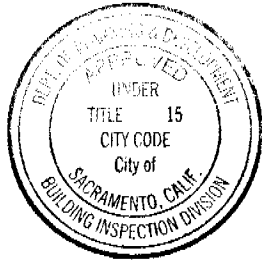
COMMENTS: Lot 67X115 7,705 sq ft Existing SFR 1,108 sq, Existing garage 264 sq ft
 Proposed addition 840 sq ft Total 2,212 sq ft Lot coverage 28%
 The proposed addition shall match the existing structure. The proposed addition is within the 35' height limit

DATE: 10/02/2003	BY: Darryl W.
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CHRIS OLIVEIRA AND ASSOC.

24988 Blue Ravine Rd
Suite 108-127
Folsom, CA 95630
(916) 835-6073
(916) 933-4731 fax

rce 33407- CA.
22119- AZ.
007595-NV.
2202-UT.
35908- WA



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.

STRUCTURAL CALCULATIONS

TURNER CANOPY

CITY OF SACRAMENTO
PERMIT ASSISTANCE

DEC 02 2003

RECEIVED

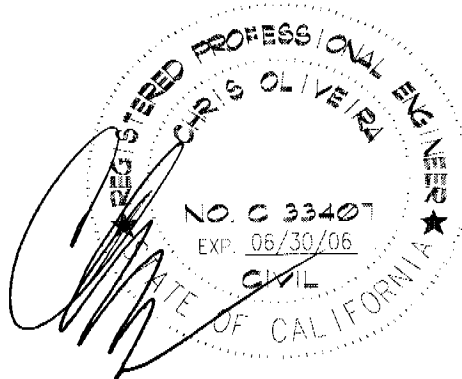
ISSUED

DEC 10 2003

Sacramento Building Division

1997 UBC - 2001 CBC
SEISMIC ZONE 3
WIND EXPOSURE B
80 MPH

DEC.1, 2003



OFFICE COPY



**CIBIS
OLIVEIRA
AND
ASSOCIATES**

project **TURNER
CANOPY**

by **CO**

no.

date **12/1/03**

1

CANOPY BEAMS

RAFTER

$L = 13.0 \text{ ft}$

$C(D) = 1.25$

$C(F) = 1.10$

$w = (20D + 20L)(2') + 4 =$

84 plf

$V = wL/2 = 546 \text{ lb}$

$M = \frac{wL^2}{8} = 1775 \text{ ft-lb}$

$A_{req} = \frac{1.5V}{F'_v} = 6.9 \text{ in}^2$

DF No. 2

$F_v = 95 \quad F'_v = 119$

$S_{req} = \frac{M(12'')}{F'_b} = 17.7 \text{ in}^3$

$F_b = 875 \quad F'_b = 1203$

$E = 1600000 \quad \Delta : L / 240$

$I_{req} = \frac{5 wL^4}{384 E \Delta} = 51.9 \text{ in}^4$

2x10 DF No. 2

A = 13.9, S = 21.4, I = 98.9

GIRDER

$L = 10.0 \text{ ft}$

$C(D) = 1.00$

$C(F) = 1.10$

$w = (20D + 20L)(8') + 10 =$

330 plf

$V = wL/2 = 1650 \text{ lb}$

$M = \frac{wL^2}{8} = 4125 \text{ ft-lb}$

$A_{req} = \frac{1.5V}{F'_v} = 26.1 \text{ in}^2$

DF No. 2

$F_v = 95 \quad F'_v = 95$

$S_{req} = \frac{M(12'')}{F'_b} = 51.4 \text{ in}^3$

$F_b = 875 \quad F'_b = 963$

$E = 1600000 \quad \Delta : L / 240$

$I_{req} = \frac{5 wL^4}{384 E \Delta} = 92.8 \text{ in}^4$

4x12 DF No. 2

A = 39.4, S = 73.8, I = 415



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2

CANOPY BEAMS

COLUMN

L = 8.0 ft

C(D) = 1.00

Check 4x6

C(F_c) = 1.10

P =

1650 lb

d = 5.50 in

A = 19.3 in²

E = 1.6E+6 psi

F_c = 1300 psi

F_c* = (F_c)(C_F)(C_D) =

1430 psi

$$F_{cE} = \frac{K_{cE} \times E}{(L/d)^2} = 1576 \text{ psi} \quad (K_{cE} = 0.30)$$

$$C_P = \frac{1 + F_{cE}/F'_c}{2c} - \sqrt{\left(\frac{1 + F_{cE}/F'_c}{2c}\right)^2 - \frac{F_{cE}/F'_c}{c}} = 0.723$$

F'_c = (F_c*)(C_P) = 1034 psi

$\frac{f_a}{F'_c} = 0.08 < 1.00$ O.K.

f_a = P/A = 85.5 psi

4x6 DF No. 2

NEW FOOTING

P =

1650 lb

$$A_{REQ} = \frac{1650 \text{ lb}}{1000 \text{ psf}} = 1.65 \text{ ft}^2$$

**2'-0" square x 18" deep
w / 3 - #4 Bars Each Way**



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3

CANOPY BEAMS

Seismic Force (1997 UBC)

$$V = \frac{3.0 \times C_a}{R} W$$

$$V = 0.196 W$$

Zone = 3

Soil = SD $C_a = 0.36$

R = 5.5

$$E_h = V / 1.4 = 0.140 W$$

(V / 1.4 for Service Load Base Shear)

$$E = \rho E_h + E_v = 0.140 W$$

($E_v = 0$ for Working Stress Design)

LATERAL

$$\text{Seismic} = 0.14[20(18')] =$$

50 plf

Line COLUMN LOAD :

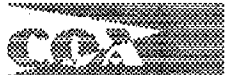
$$V_s = (50\text{plf})(6.5') =$$

325 lb

Total Seismic Shear = 325 lb

$$\text{MOMENT: } P * H = 2600$$

LB-FT TOTAL



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CANOPY

by CO
date 12/1/03

no.
4

CANOPY BEAMS

866.667 LB-FT PER COLUMN

CHECK COLUMN

Check 4x6

P = 1650 lb

M = 867 ft-lb

d = 5.50 in

A = 19.30 in²

S = 17.60 in³

L = 8.0 ft

F_b = 875 psi

F_c = 1300 psi

E = 1.6E+6 psi

C(D) = 1.00

C(F_c) = 1.10

C(F_b) = 1.30

$$F_{c*} = (F_c)(C_F)(C_D) = 1430 \text{ psi}$$

$$F_{cE} = \frac{K_{cE} \times E}{(L/d)^2} = 1576 \text{ psi} \quad (K_{cE} = 0.30)$$

$$C_P = \frac{1 + F_{cE}/F'_{c}}{2c} - \sqrt{\left(\frac{1 + F_{cE}/F'_{c}}{2c}\right)^2 - \frac{F_{cE}/F'_{c}}{c}} = 0.723$$

$$F'_{c} = (F_{c*})(C_P) = 1034 \text{ psi}$$

$$f_a = P/A = 85 \text{ psi}$$

$$f_b = M/S = 591 \text{ psi}$$

$$\frac{(f_a)^2}{(F'_{c})^2} + \frac{f_b}{(F_b)(C_F)(C_D)(1 - f_a/F_{cE})} = 0.56 < 1.00 \text{ O.K.}$$

4x6 DF No. 2

MOMENT RESITANCE AT CBSQ66: T = C = (M*12)/5.5 = 1890.91 LBS

7 SDS1/2 SCREWS ON EACH SIDE ARE GOOD FOR 306 8 1.33 8 7 =

2848.86 LBS > 1890.91

**THE CONNECTOR DEVELOPS
ENOUGH MOMENT REISTANCE
TO SUPPORT THE COLUMNS**

These calculations were prepared by Chris Oliveira and Assoc

CalcSet Version 2.0

www.CaicSet.com

File: C:\CalcSet\Susans canopy.xls

December 1, 2003



CITY OF SACRAMENTO, CALIFORNIA

BUILDING & SAFETY DIVISION 1231 I STREET, (916) 264-1965
SPECIAL PACKAGE D FOR RESIDENTIAL ADDITIONS IN CLIMATE ZONE 12

CERTIFICATE OF COMPLIANCE CF-1R ADDITION, 100 TO 999 SQUARE FEET WITH 199-SF EXEMPTIONS & REQUIREMENTS.]

Project Title Additions Date 10-16-03

Project Address 3817 62 St

Total Floor Area Addition: _____ Ft² Total Glazing Area Addition: _____ Ft² Floor Area x 16% = Total allowed
REQUIREMENTS THAT APPLY TO NEW AREA FLOOR PLAN MAXIMUM GLASS ALLOWANCE FORMULA. (480 x 16% = 76.8)

A. 60 Sq. Ft. B. 30 Sq. Ft. C. 30 Sq. Ft. D. 28 Sq. Ft. %

NOTE: Using package D, maximum glass allowed is 16%

Total Glass in addition: _____ Total of any removed glass (addition area): _____ Subtract B from A; enter amount in C: _____ Divide C by floor area of addition: _____

Module I (R-19 Ceiling.....R-13 Wall.....R-13 Floor)
99-SF or Less 50% Max Glazing, No Credit for removed. 0.75 -U-Value SHGC 0.40 Minimum. No CF-4R, No HERS Testing No Radiant Barrier required. See, *, **, exceptions.

Module II Standard Package-D (R-38 Ceiling.....R-13 Wall.....R-19 Floor)
100-999 SF 16% Max Glazing See A,B,C,D above 0.65- U-Value 0.75 < 500 SF SHGC 0.40 Minimum Radiant Barrier In Addn Only. Duct, TXV, & HERS Test, CF-R4, AFUE.78 **New 12 SEER, Duct test req. See***

Module III Alternate Package-D (R-38 Ceiling.....R19-2x6" Wall.. or R-13 with R4.61 Rigid in a 2x4" Wall.....R-19 Floor)
100-999 SF 16% Max Glazing See A,B,C,D above 0.40-U-Value SHGC 0.35 Minimum Min 11 SEER when upgraded or added. Radiant Barrier addition only. See* & **. AFUE 0.78 min. No CF-R4 required. No Duct, TXV, & HERS Test. **New 12 SEER

Module IV Standard Pkg-D or Computer Performance Compliance
Floor Plans in excess of 999-SF require Performance Compliance of both existing and Addition combined, achieved by an approved Computer Program or, both Existing & Addition Designed and constructed per Module II Package-D.

Both Module II & III may use existing HVAC systems when adequate. Should a 12 SEER be installed in either Module then HERS/TXV tests required. See Exceptions below.

[All duct R-value 4.2 Min.] [Pre-1978 AFUE .68=OK] [*-New HVAC requires HERS Test 11 SEER Min.] [**-New 12 SEER A/C = No HERS/TVX or CF-R4] [*** No duct work, No HERS required] RB= Radiant barrier underside of roof & Gable walls, shiny side down. Duct Sealed= Ducts certified 6% leakage max. U= U-Val TXV= Field verified by HERS rater. SEER= A/C Seasonal Energy Efficiency Ratio. SHGC= Window Solar Heat Gain Coefficient. AFUE= Annual Fuel Utilization Efficiency. [See **** & ***** for wall frame and vaulted ceiling requirements.]

QUESTIONARE: (By City of Sacramento Staff) FIELD VERIFY:
1. What year was home built? 1950 MODULE SELECTED: _____
2. What is SEER rating of current Air Conditioner? 3.5
3. What is current Furnace AFUE ? 80
4. Will Furnace or A/C be upgraded ? Yes/No? No
5. New water heater (> 50 gal. Exempt) ? Yes/No? No
6. Note: No duct assembly allowed in wall cavity chases, New Furnace or HVAC requires new Setback thermostats each Zone or unit. Split zones require 2.
2001 Title 24 Residential Energy manual sec 3.1-3.8; sec 7.1-7.6 Effective July 1st, 2001.
****Requires 2x6 assembly, or 2x4 R11 & Ext rigid R4.61. Cannot apply brace panels. *****Requires 2x12 @ Vaulted areas with 1" x 6" foam channel ventilation.

NEW HEATING, COOLING, OR DOMESTIC WATER HEATING

Systems installed in conjunction with the addition must comply with the appliance standards applicable to new installations in new residences. Complete the following standards if new equipment is being installed in conjunction with the room addition: Electric resistant heat not allowed.

HVAC SYSTEMS
Type: (Furnace, air Conditioner, heat pump) Minimum Efficiency (SE, SEER, HSPF) Duct Insulation Output Manufacturer/Model # (Btu) (or approved equal)
Existing Existing R4.2 Existing Existing
R4.2
R4.2

HOT WATER SYSTEMS
System Type Capacity (gallons) Manufacturer/Model# Special Features
Existing 30 gal _____ _____

ISSUED
DEC 1 0 2003
Sacramento Building Division

COMPLIANCE STATEMENT

This certificate of compliance lists the building features and performance specifications needed to comply with Title 24, Chapter 2-53, and Title 20, Chapter 2, subchapter 4, Article 1, of the California Administrative Code. The individual has signed this certificate with overall design responsibility and the building owner, who shall retain a copy of it and transmit the certificate to any subsequent purchaser of the building. When this certificate of compliance is submitted for a single building plan to be built in multiple orientations, all building conservation features that vary are indicated in the Special Feature/Remarks section.

BUILDING OWNER OR DESIGNER Name: TRAVELER SON Title/Firm: _____ Address: 8116 Alpine Ave
DOCUMENTATION AUTHOR Name: SAME Title/Firm: _____ Address: _____
ENFORCEMENT AGENCY Name: _____ City of Sacramento 1231 I Street Sacramento, Ca. 95814

Signature [Signature] (date) 10-16-03 Signature Approval _____ (date) _____