

CITY OF SACRAMENTO

1231 I Street, Sacramento, CA 95814

Permit No: 0510709

Insp Area: 2

Thos Bros: 336H1

Site Address: 548 RIVERGATE WY SAC

Parcel No: 031-0770-054

Sub-Type: REP

Housing (Y/N): N

CONTRACTOR
THOMPSON ROOFING
8201 NEWPORT PARK CT
SAC CA 95828

OWNER
FOSTER COLLENE J/JEROME J
548 RIVERGATE WAY
SACRAMENTO, CA 95831

ARCHITECT

Nature of Work: REROOF - TEAR OFF, RESHEET, INSTALL 34SQ OF STANDARD WEIGHT TILE (SEE ENGINEER'S REPORT)

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 C-39 License Number 769802 Date 7-21-05 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 applicant's representation 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 above mentioned property for inspection purposes.

X Date 7-21-05 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 NO EMPLOYEES Policy Number _____ Exp Date _____

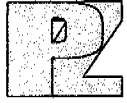
X RT (This section need not be completed if the permit is for \$100 or less) I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date 7-21-05 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.

Foster



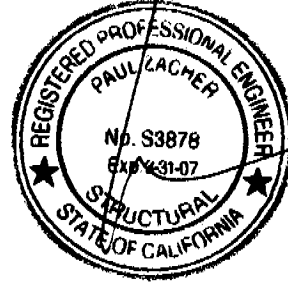
Paul Zacher - Structural Engineers, Inc
4701 Lakeside Way
Fair Oaks, CA 95628

TEL: 916.961.3960
FAX: 916.961.6552

April 5, 2005

Thompson Roofing
8201 Newport Park Court
Sacramento, CA 95828
TEL: (916) 425-1371
FAX:

ISSUED
JUL 21 2005
Sacramento Building Division



Attn.: Mr. Rodney Thompson,

re: Job 2005113: FOSTER -- STANDARD WEIGHT

Subject: Structural Investigation Report of the Roof for the Residence located at 548 Rivergate Way, Sacramento, CA 95831.

As requested by Mr. Rodney Thompson, this is a report to determine what needs should be addressed to correct any structural deficiencies of the roof. Paul Zacher visited the site April 5, 2005. The investigation was made to determine the existing condition of the structure. All information, data and analysis contained within this report are based on the 1997 Uniform Building Code with 2001 CBC Title 24 Amendments.

The following is based on visual observations with no subsurface investigation being made.

DESCRIPTION:

| | |
|-------------------|---------------------------------|
| Type of Facility: | Residence. |
| Year Built: | Estimated 1980's vintage. |
| Occupancy: | Residential. |
| No. of Stories: | One. |
| Dimensions: | Approximately 3000 square feet. |



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 City or State Law.

CONSTRUCTION:

Roof:

The roof covering will consist of a Standard Weight Concrete Tile over 7/16" solid sheathing. The roof structure is conventionally framed with 2x6 rafters spaced at 24" on center with 2x6 purlins supported at no more than 6'-0" on center by 2x4 struts bearing on walls below except for the vaulted ceiling areas. The vaulted ceiling is constructed of 2x6 rafters spaced at 24" on center supported mid-span by a 4x beam. The garage area is framed with 2x6 rafters spaced at 24" on center and 2x8 cross ties spaced at 24" on center.

CONCLUSIONS:

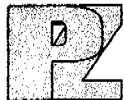
Roof:

The roof structure currently lacks sufficient structural capacity for the applied live and dead loads. See "Recommendations" for location and repair to bring the roof structure up to the required capacity.

SACRAMENTO BUILDING DIVISION

CITY COPY

Foster



Paul Zacher - Structural Engineers, Inc
4701 Lakeside Way
Fair Oaks, CA 95628

TEL: 916.961.3960
FAX: 916.961.6552

RECOMMENDATIONS:

If any of the following recommendations do not correspond to actual field conditions, the engineer of record shall be notified for further investigation and evaluation before continuing work.

Roof Structure:

1. Add a 2x6 DF#2 x 6'-0" long purlin with 2x4 struts to the bearing walls below. The maximum spacing between the struts shall not exceed 6'-0" on center. The unbraced length of the struts shall not exceed 8'-0" and the minimum slope of the struts shall not be less than 45 degrees from the horizontal. See detail 1.
2. Add a 2x6 DF#2 x 4'-0" long purlin with 2x4 struts to the bearing walls below. See detail 1.

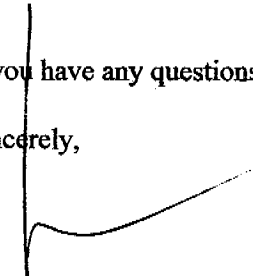
It shall be noted that small hairline cracking may occur at exterior stucco and interior gypboard finished walls that are load bearing or distributing roof strut loads. These cracks are a natural occurrence as the existing structure re-distributes the new roof weight. They are cosmetic in nature and are not an indication of a structural hazard or failure.

It shall be noted that some deflection of the rafters may be evident after installation of the tile. The existing roof framing has deflected but this may not be readily evident due to the uneven nature of the existing roofing material. Concrete tile is a very consistent and uniform product and when installed in an even plane, even small deflections can become apparent. This is only a cosmetic issue and not a structural concern.

The inspection consisted of visual observation only, made solely to determine the structural capacity of the existing roof. Analysis does not determine any effects on the overall structure under lateral forces or effects on the foundation unless specifically noted in the calculations and in this document. No warranties, expressed or implied, are made or intended in conjunction with this report. The inspection was made only to the portions that were accessible. The specific items noted were those that were observable and there may be defects that are not observable, or are hidden by architectural and structural materials.

If you have any questions on the above, do not hesitate to call.

Sincerely,


Paul Zacher, P.E., S.E.
file

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JUL 21 2005

Sacramento Building Division

DESIGN LOADING:

| | | |
|-------------------------|------|-------|
| Roof Pitch | 6 | in 12 |
| Pitch Adjustment Factor | 1.12 | |

LOCATION: ROOF

| <u>MATERIAL</u> | <u>WEIGHT</u> | |
|-----------------------|---------------|-----|
| Standard Weight Tile | 9.00 | psf |
| Roofing felt | 0.30 | psf |
| 1x4 skip sht'g | 1.09 | psf |
| 7/16" OSB/ plywood | 1.30 | psf |
| 2x6 rafters @ 24" oc | <u>1.00</u> | psf |
| Load | 12.7 | psf |
| Roof Pitch Adjustment | <u>1.50</u> | psf |
| Total Load | 14.2 | psf |

LOCATION: VAULT

| <u>MATERIAL</u> | <u>WEIGHT</u> | |
|-----------------------|---------------|-----|
| Standard Weight Tile | 9.00 | psf |
| Roofing felt | 0.30 | psf |
| 1x4 skip sht'g | 1.09 | psf |
| 7/16" OSB/ plywood | 1.30 | psf |
| 2x6 rafters @ 24" oc | 1.00 | psf |
| Batt/blown insul | 0.50 | psf |
| 1/2" Gypboard | <u>2.50</u> | psf |
| Load | 15.7 | psf |
| Roof Pitch Adjustment | <u>1.85</u> | psf |
| Total Load | 17.5 | psf |

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JUL 21 2005

Sacramento Building Division

Job #: 05_113

Date: 04/05/2005

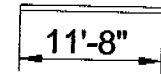
LOADING:

Rafter:

Dr = 14.2 psf x 2'-0" = 28.4 plf
Lr = 16.0 psf x 2'-0" = 32.0 plf

2x6 #2

28.4 / 32.0

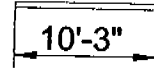


Vault:

Dr = 17.5 psf x 2'-0" = 35.0 plf
Lr = 16.0 psf x 2'-0" = 32.0 plf

2x6 #2

35.0 / 32.0

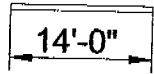


B1:

Dr = 14.2 psf x 3'-0" = 43 plf
Lr = 16.0 psf x 3'-0" = 48 plf

4x12 #1

43 / 48



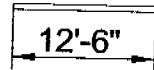
R3 = 301 / 336

B2:

Dr = 17.5 psf x 10'-0" = 175 plf
Lr = 16.0 psf x 10'-0" = 160 plf

4x12 #1

175 / 160



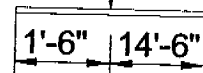
B3:

Dr = 14.2 psf x 4'-0" = 57 plf
Lr = 16.0 psf x 4'-0" = 64 plf
Pd/lr = 301 / 336 - B1

4x12 #2

301 / 336

57 / 64



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JUL 21 2005

Sacramento Building Division

Paul Zacher Structural Engr's, Inc.
 4701 Lakeside Way
 Fair Oaks, CA 95628

Title :
 Dsgnr:
 Description :

Job #
 Date: 6:56PM, 5 APR 05

Scope :

Rev: 580006
 User: KVV-0602844, Ver 5.8.0, 1-Dec-2003
 (c)1983-2003 ENERCALC Engineering Software

Timber Beam & Joist

Foster.ecw.Calculations

Description RAFTERS AND BEAMS

Timber Member Information Code Ref: 1997/2001 NDS, 2000/2003 IBC, 2003 NFPA 5000. Base allowables are user defined

| | | rafter | vault | B1 | B2 | B3 |
|-----------------------|-----|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Timber Section | | 2x6 | 2x6 | 4x12 | 4x12 | 4x12 |
| Beam Width | in | 1.500 | 1.500 | 3.500 | 3.500 | 3.500 |
| Beam Depth | in | 5.500 | 5.500 | 11.250 | 11.250 | 11.250 |
| Le: Unbraced Length | ft | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Timber Grade | | Douglas Fir - Larch, No.2 | Douglas Fir - Larch, No.2 | Douglas Fir - Larch, No.1 | Douglas Fir - Larch, No.1 | Douglas Fir - Larch, No.2 |
| Fb - Basic Allow | psi | 875.0 | 875.0 | 1,000.0 | 1,000.0 | 875.0 |
| Fv - Basic Allow | psi | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| Elastic Modulus | ksi | 1,600.0 | 1,600.0 | 1,700.0 | 1,700.0 | 1,600.0 |
| Load Duration Factor | | 1.250 | 1.250 | 1.250 | 1.250 | 1.250 |
| Member Type | | Sawn | Sawn | Sawn | Sawn | Sawn |
| Repetitive Status | | Repetitive | Repetitive | No | No | No |

Center Span Data

| Span | ft | 11.67 | 10.25 | 14.00 | 12.50 | 16.00 |
|-------------|------|-------|-------|-------|--------|--------|
| Dead Load | #/ft | 28.40 | 35.00 | 43.00 | 175.00 | 57.00 |
| Live Load | #/ft | 32.00 | 32.00 | 48.00 | 160.00 | 64.00 |
| Point #1 DL | lbs | | | | | 301.00 |
| LL | lbs | | | | | 336.00 |
| @ X | ft | | | | | 1.500 |

Results Ratio = 0.9978 0.8539 0.2636 0.7734 0.5896

| | | | | | | |
|---------------------|------------|---------------|---------------|---------------|---------------|---------------|
| Mmax @ Center @ X = | in-k ft | 12.34 5.83 | 10.56 5.12 | 26.75 7.00 | 78.52 6.25 | 52.37 7.49 |
| fb : Actual | psi | 1,631.6 | 1,396.2 | 362.4 | 1,063.5 | 709.4 |
| Fb : Allowable | psi | 1,635.2 | 1,635.2 | 1,375.0 | 1,375.0 | 1,203.1 |
| | | Bending OK | Bending OK | Bending OK | Bending OK | Bending OK |
| fv : Actual | psi | 59.5 | 56.9 | 21.2 | 68.3 | 54.7 |
| Fv : Allowable | psi | 118.8 | 118.8 | 118.8 | 118.8 | 118.8 |
| | | Shear OK | Shear OK | Shear OK | Shear OK | Shear OK |

Reactions

| | | | | | | |
|----------------|-----|--------|--------|--------|----------|----------|
| @ Left End DL | lbs | 165.71 | 179.37 | 301.00 | 1,093.75 | 728.78 |
| LL | lbs | 186.72 | 164.00 | 336.00 | 1,000.00 | 816.50 |
| Max. DL+LL | lbs | 352.43 | 343.37 | 637.00 | 2,093.75 | 1,545.28 |
| @ Right End DL | lbs | 165.71 | 179.37 | 301.00 | 1,093.75 | 484.22 |
| LL | lbs | 186.72 | 164.00 | 336.00 | 1,000.00 | 543.50 |
| Max. DL+LL | lbs | 352.43 | 343.37 | 637.00 | 2,093.75 | 1,027.72 |

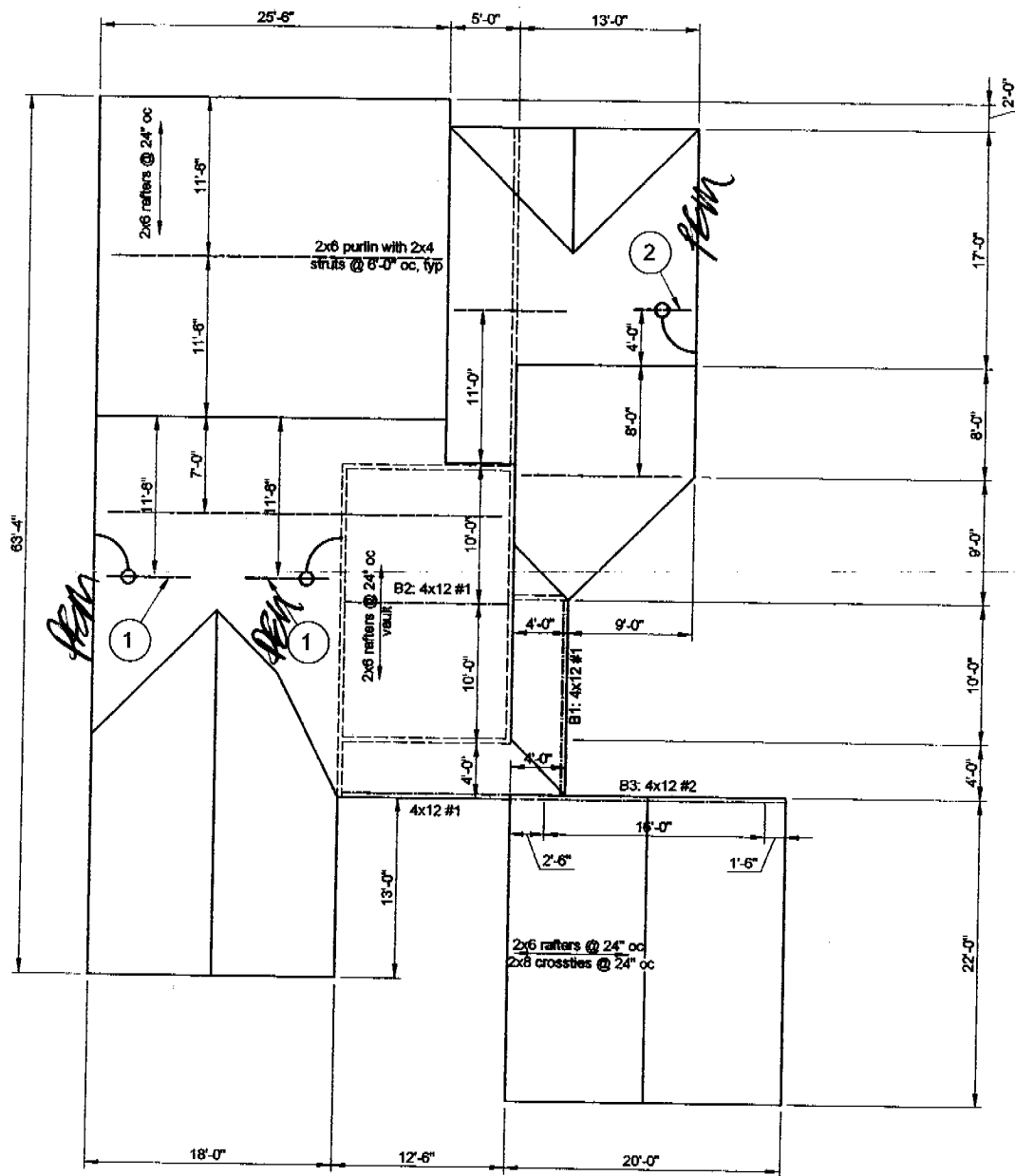
Deflections Ratio OK Deflection OK Deflection OK Deflection OK Deflection OK

| | | | | | | |
|-------------------|----|--------|--------|---------|---------|---------|
| Center DL Defl | in | -0.356 | -0.261 | -0.053 | -0.136 | -0.145 |
| L/Defl Ratio | | 393.2 | 470.9 | 3,191.2 | 1,101.6 | 1,323.1 |
| Center LL Defl | in | -0.401 | -0.239 | -0.059 | -0.124 | -0.163 |
| L/Defl Ratio | | 349.0 | 515.0 | 2,858.8 | 1,204.9 | 1,179.3 |
| Center Total Defl | in | -0.757 | -0.500 | -0.111 | -0.261 | -0.308 |
| Location | ft | 5.835 | 5.125 | 7.000 | 6.250 | 7.872 |
| L/Defl Ratio | | 184.9 | 246.0 | 1,507.9 | 575.5 | 623.5 |

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JUL 21 2005

Sacramento Building Division



ISSUED

JUL 21 2005

Sacramento Building Division

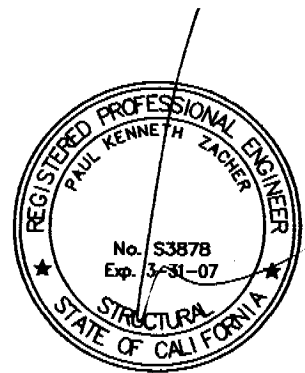
FRAMING NOTES:

1. Add a 2x6 DF#2 x 6'-0" long purlin with 2x4 struts to bearing below.
2. Add a 2x6 DF#2 x 4'-0" long purlin with 2x4 struts to bearing below.

NOTES:

- A. This is a reroof project. The new roofing material shall be a Standard Weight Concrete Tile. The tile shall weigh less than or equal to 9.0 psf.
- B. All framing members including rafters, purlins, joists and beams are existing unless otherwise noted in the framing notes above.
- C. All rafters are 2x6 DF#2 and hips and valleys are 2x8 DF#2 unless otherwise noted.
- D. All existing rafter, hips, valleys, rafter ties, and purlins are braced per UBC Section 2320.1 "Roof and Ceiling Framing" unless otherwise shown.
- E. All structural wood members that were observed appear to be in sound condition and without structural defect.

1 ROOF PLAN - FOSTER
Not to Scale





CITY OF SACRAMENTO

www.cityofsacramento.org
 Help Line: 1-916-808-5656 OR 1-866-EZ-PERMIT
 Inspection Request: 1-916-808-7622

Downtown Permit Center
 1231 I Street, Suite 200
 Sacramento, CA 95814

North Permit Center
 2101 Arena Blvd., Suite 200
 Sacramento, CA 95834

Fax # 916-264-1901

MINOR PERMIT APPLICATION

Date: 7-21-05

Faxed/web request must be received in this office by 3:00 P.M. to be processed the following workday. Contractors must have a current certificate of Worker's Compensation Insurance. Note: Work started before a Building Permit is issued will be subject to quad fee.

Permits requiring Plan Review are not eligible for the MINOR PERMIT PROGRAM

Design Review and Historic Preservation approval may be required if job address is located in those areas (additional forms may be required)

IN ORDER TO PROCESS THIS REQUEST, ALL THE FOLLOWING INFORMATION MUST BE PROVIDED:

Job Address: 548 Rivergate Way Bldg Type: RESIDENTIAL APARTMENTS (4+ units per building) COMMERCIAL (limited)
 CONTACT INFO Name: Rodney Thompson Phone #: 425-1371 Email: _____ Unit # _____ Contract Price 15,000.00
 Property Owner: Jerome & Colene Foster Contractor: Thompson Roofing License #: 769802
 Address: 548 Rivergate Way Address: 8201 Newport Park Ct
 City/State/Zip: Sacramento, CA 95831 City/State/Zip: Sacto, CA 95828
 Phone: 428-8812 Phone: 425-1371 Fax: _____
 Nature of Work: Provide description of work & indicate type of work in selections below. Pre-Registered? YES NO Registration # _____

Description of Work: Tear off / ~~replace~~ OSB / Light weight Madera Tile (monier)

| | | | | | |
|--|--|---|---|---|-----------|
| <input type="checkbox"/> Reroof (excluding tile) <input checked="" type="checkbox"/> Tear-Off <input checked="" type="checkbox"/> Resheet <input checked="" type="checkbox"/> House <input checked="" type="checkbox"/> Garage # Stories: <u>1</u> # Squares: <u>34</u> Material: <u>Tile</u> <input type="checkbox"/> Siding <input type="checkbox"/> Wood <input type="checkbox"/> T-111 <input type="checkbox"/> Horiz <input type="checkbox"/> Vinyl <input type="checkbox"/> Stucco | <input type="checkbox"/> HVAC Installations (Residential Only) <input type="checkbox"/> Change-out <input type="checkbox"/> New <input type="checkbox"/> Heat Pump <input type="checkbox"/> Package <input type="checkbox"/> Split system <input type="checkbox"/> Roof mount <input type="checkbox"/> Cut-in <input type="checkbox"/> Heat pump or elect. unit to gas. <input type="checkbox"/> Wall furnace <input type="checkbox"/> Other (describe below) Value of duct work: _____ Equipment: \$ _____ Cut-in: \$ _____ | <input type="checkbox"/> Water Heater (Residential Only) <input type="checkbox"/> Electric <input type="checkbox"/> Gas <input type="checkbox"/> Change-out <input type="checkbox"/> Electric to Gas <input type="checkbox"/> Relocate <input type="checkbox"/> New <input type="checkbox"/> Dry Rot or Termitte Damage Repair <input type="checkbox"/> Flooring/Joists <input type="checkbox"/> Mudsill/Studs <input type="checkbox"/> Roof Structure <input type="checkbox"/> Exterior | <input type="checkbox"/> Minor Electric and/or Plumbing (Residential Only) <input type="checkbox"/> Electric Service Change # amps _____ <input type="checkbox"/> New electric circuits <input type="checkbox"/> Re-wire <input type="checkbox"/> Water Service Replacement <input type="checkbox"/> Sewer Service Replacement <input type="checkbox"/> Gas Line Replacement <input type="checkbox"/> Re-plumb <input type="checkbox"/> Water <input type="checkbox"/> Waste | <input type="checkbox"/> Public Utilities Safety <input checked="" type="checkbox"/> PAID Minor Plumbing CITY OF SACRAMENTO (Residential and single JUL 21 2005 (Residential and single units Only) NEIGHBORHOOD PLANNING AND DEVELOPMENT SERVICE * PG&E * NOTICE Correction Notice items will require an additional building permit. | |
| Office Use Only: | Parcel #: | Date Received: | Date Issued: | Processor's Initials: | Permit #: |