

CITY OF SACRAMENTO CASHIER'S WORKSHEET

RECEIPT NUMBER: R0507357

ISSUED

APR 29 2005

TRANSACTION DATE: 04/29/2005
TRANSACTION AMOUNT: 199.04
NOTATION:

Sacramento Building Division

APD #: **0505961**
SITE ADDRESS: 1226 GRAND RIVER DR SAC
PARCEL: 031-0790-005

TYPE: Bldg Minor Permit
SUB-TYPE: RES
HOUSING: N
STATUS: **ISSUED**

Mixed Income Housing
Fee Program
??

TRANSACTION LIST

Type	Method	Description	Pymt Amount
Payment	Credit C	TEETER	199.04

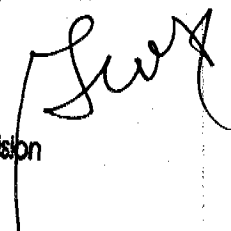
RECEIPT ACCOUNT ITEM LIST

Class #	Description	Item #	Total Fee	Prev Pymt	Current Pymt
200	Permit--Building-Res	1100	175.00	.00	175.00
206	City Business Oper Tax	1730	6.08	.00	6.08
207	Strong Motion (SMI)	1600	1.52	.00	1.52
213	General Plan Surcharge	1760	9.44	.00	9.44
259	Bldg-Technology Surcharg	1750	7.00	.00	7.00

ISSUED

APR 29 2005

Sacramento Building Division



Building Permit

City of Sacramento



PLANNING & BUILDING DEPARTMENT BUILDING DIVISION (916) 808-BLDG (2534)

***** Office Use Only *****

Permit No: 0505961
Date Issued: 4/29/05
Total Amount: \$199.04

ISSUED APR 29 2005

***** Please Fill in the Following *****

Site Address: 1226 Grand River Dr. 95831
Nature of Work: tear off existing shake roof & reroof w/ stone coated steel

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 C39 License Number 416821 Date 4/22/05 Signature Sandra L Bedford

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 3 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. D & 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 4/22/05 Applicant/Agent Signature Sandra L Bedford

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 169782964 Expiration Date 07-31-05

(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 4/22/05 Applicant Signature Sandra L Bedford

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

FIXED 4/22/05

05005



ER-3409

Reissued February 1, 2003

ICBO Evaluation Service, Inc. • 5360 Workman Mill Road, Whittier, California 90601 • www.icboes.org

Filing Category: ROOF COVERING AND ROOF DECK CONSTRUCTION—Roof Covering

DECRA STEEL ROOFING PANELS

TASMAN ROOFING, INC.
1230 RAILROAD STREET
CORONA, CALIFORNIA 92682

1.0 SUBJECT

Steel Roofing Panels:

Tile Profiles: Decra Tile, Typhoon Tile, Diamond Lock Tile and Alfa Tile

Shake Profiles: Decra Shake, Typhoon Shake, Diamond Lock Shake and Alfa Shake

Shingle Profiles: Decra Shingle Plus

2.0 DESCRIPTION

2.1 General:

The steel roofing panels are pressure-formed from structural-quality sheet steel complying with ASTM A 792, Grade 37, with an AZ50 class hot-dip aluminum-zinc alloy coating. The thickness of the coated steel is 0.017 inch (0.43 mm). The overall panel size of the Tile and Shingle profiles is 16 1/2 inches (419 mm) by 52 inches (1321 mm), with an installed exposure of 14 1/2 inches (368 mm) by 50 inches (1270 mm). The overall panel size of the Shake profile is 14 1/2 inches (371 mm) by 53 inches (1346 mm), with an installed exposure of 12 1/2 inches (321 mm) by 51 inches (1296 mm). Side panel laps are 2 inches (51 mm). The Tile profiles have pan sections that form tile shapes. The Shake profiles have impressions forming irregular shake shapes across the panels. The Shingle profile consists of raised and lowered sections that form a series of rectangular shingle shapes. The panel leading edges are bent down 1 inch (25.4 mm) to provide an overlap for weather protection and nailing purposes. The top back edge of each panel is bent vertically up 1 inch (25.4 mm), then lipped horizontally back from 1 inch (25.4 mm) to 1 1/2 inches (38 mm). Each panel weighs approximately 6.5 pounds (3 kg). The installed weight of these steel roofing panel systems is approximately 1.5 pcf (7.3 kg/m³). See Figure 1 for typical panel profiles.

Both sides of the panels are treated with a corrosion-inhibiting coating. An opaque base coat of acrylic resin is applied to exposed surfaces, and this is followed by embedment of colored stone granules. The surface is then spray-finished with clear acrylic glaze.

2.2 Roof Slope and Standard Underlayment:

Except as required in Section 2.3, the steel panels described in this report may be installed on roof slopes of 3:12 (25%) and greater without an underlayment. For roof slopes less than 3:12 (25%), the panels must be installed

over a roof covering system installed in accordance with the applicable code.

2.3 Underlayment in Severe Climate Areas:

In areas subject to wind-driven snow, ice buildup, wind-driven dust or sand, or in other areas designated by the building official, underlayment shall comply with Section 1507.5.3 of the 2000 International Building Code® (IBC) or Section R905.4.3 of the 2000 International Residential Code® (IRC), as applicable.

2.4 Battens and Counterbattens:

Wood battens are nominal 2-by-2 standard-grade Douglas fir-larch or better. Steel battens are hat, C, J or U-shaped sections with a 1 1/2-inch (38 mm) minimum height, formed from minimum 0.017-inch-thick (0.43 mm) galvanized steel. Wood battens are to be limited to supports spaced a maximum of 24 inches (610 mm) on center, and steel battens must be designed to resist the design loads. Counterbattens must be nominal 1-by-4 standard-grade Douglas fir-larch or better.

2.5 Installation—New Construction:

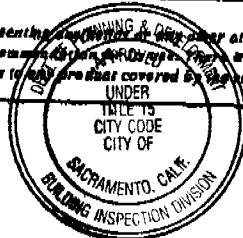
See Figure 2. Battens are installed 14 1/2 inches (368 mm) on center for Tile and Shingle profiles, or 12 1/2 inches (321 mm) on center for Shake profiles, over solid or spaced sheathing. Wood battens are fastened to the supporting framing members with one 16d common nail [0.162-inch-diameter (4.12 mm)] or equivalent per intersection in the field of the roof, and two corrosion-resistant 16d common nails per intersection on roof perimeter areas. Steel battens are fastened to framing with one No. 8 by 1.5-inch-long (38 mm), corrosion-resistant wood screw in the field of the roof and two wood screws on the perimeters. The field and perimeter areas of the roof are defined as Zone 1 and Zones 2 and 3, respectively, in IBC Figure 1609.6(2). Measurements for batten placement location are made from the face of the fascia board up to the face of succeeding battens. The final panel width, adjacent to the ridge board, is adjusted by cutting and bending the panel vertically in the field. All ridges and hips are provided with either two nominal 2-by-2 boards or one nominal 2-by-4 board. Valleys are flashed in accordance with IBC Section 1507.5.8 or IRC Section R905.4.6.

Panels are fastened to wood battens with a minimum of four 8d, corrosion-resistant box nails, or equivalent, in the field of the roof and five nails on the perimeter roof areas. Panels are fastened to steel battens with a minimum of four No. 8 [0.164-inch-diameter (4.18 mm)] by 1-inch-long (25.4 mm) corrosion-resistant steel sheet metal screws, or equivalent. One fastener is placed near the bottom on the downturn of the panel, approximately 1 inch (25.4 mm) from the overlapped edge of the adjoining panel. The remaining fasteners are evenly spaced across the panel at the same

This set of plans and specifications must be

ES REPORTS are not to be construed as representing the findings of any party or as an endorsement of the subject of the report or a recommendation of any product. They are not to be construed as a warranty by ICBO or as a finding of any party or as a finding of any other matter in this report, or as to any other matter covered by this report.

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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.



location as the first fastener. Gable rakes are provided with a continuous gable cap piece or barge cover made and finished with the same materials as the roofing panels. Ridges and hips have the panels fastened to the side of the ridge or hip boards after mitering and bending, and are capped with hip/ridge caps made and finished with the same materials as the roofing panels. Openings in the roof covering are flashed in accordance with IBC Section 1503.2 or IRC Section R903.2 and Figure 2. Openings through the panels for vents, etc., must be adequately weatherproofed and supported by additional blocking or roof framing as necessary. The manufacturer's published installation recommendations, dated December 1999, shall be followed, and a copy shall be available upon request.

2.6 Installation—Reroofing:

See Figure 3. When the old roof covering is completely removed, all conditions noted in Sections 2.1 through 2.5 shall apply. If the old roof covering was installed on spaced sheathing, the gaps must be filled selectively to support the battens evenly, or counterbattens and battens must be installed as described in this section.

Decra steel roofing panels may also be installed over existing wood shake, wood shingle, asphalt shingle, or built-up roofs, provided the roof slope complies with Section 2.2 and the requirements of IBC Section 1510 or IRC Section R907 are met. When installed over wood shingle or wood shake roofs, the entire existing roof surface shall be covered with material in accordance with IBC Section 1510.4 or IRC Section 907.4 prior to installation of counterbattens.

For installation over existing asphalt shingle, wood shingle and wood shake roofs, ridge and hip caps must be removed and the existing roof covering cut back flush with the fascia or barge cover. Counterbattens are installed over the existing roof covering parallel to the framing (perpendicular to the eaves) at a maximum 24-inch (610 mm) spacing. Counterbattens must be securely fastened to the framing members or to spaced sheathing using minimum 16d common nails or equivalent in the field of the roof and No. 10 by 3 $\frac{1}{2}$ -inch-long (89 mm) wood screws on the perimeters. Nails and screws must be of sufficient length to penetrate 1 inch (25.4 mm) into the framing member. Maximum fastener spacing is 7 inches (178 mm) on center, and edge fasteners must be within 6 inches (152 mm) of counterbatten ends. Care must be taken to avoid splitting the battens and counterbattens. Battens are spaced 14 $\frac{1}{2}$ inches (368 mm) on center for Tile and Shingle profiles, or 12 $\frac{1}{2}$ inches (321 mm) on center for Shake profiles, and are fastened to the counterbattens using two 16d common nails or equivalent per intersection in the field of the roof and two No. 10 by 3 $\frac{1}{2}$ -inch-long (89 mm) wood screws on the roof perimeter areas. The panels are fastened to the battens in the same manner as described in Section 2.5. New flashings are installed over and around all existing valleys, vents and chimneys in accordance with the applicable code requirements. The valley used in reroofing must be as shown in Figure 2C. All exposed battens and counterbattens used must be covered with minimum 0.017-inch-thick (0.43 mm), corrosion-resistant metal flashing as shown in Figure 3D.

Over existing built-up roof coverings, all loose gravel and debris must be swept off. Blisters in the piles must be cut and nailed flat. Raised perimeters, such as gravel stops, must be covered by the steel panel roofing system. The system may be installed over integral gutters, provided

there is a fascia board, nailed to the rafters, installed outside the gutter. The battens and counterbattens are fastened in accordance with this section.

2.7 Fire Classification:

Steel roofing panels installed in accordance with Sections 2.5 and 2.6 are recognized as Class A roof assemblies under IBC Section 1505 and IRC Section R902.1.

2.8 Structural Diaphragm:

The steel roofing panel systems may be used as structural roof diaphragms when constructed as indicated in Sections 2.5 and 2.6 of this report. Installation over an existing wood shake roof is acceptable, provided the shakes are in nailable condition with all shakes securely fastened in accordance with IBC Table 1507.8 or IRC Section R905.8.6. For structural strength, counterbattens must be fastened through to framing members spaced a maximum of 24 inches (610 mm) on center, or completely through existing spaced sheathing with one fastener per intersection, with fasteners spaced a maximum of 7 inches (178 mm) on center. The fasteners must be long enough for the diamond point to penetrate framing members a minimum of 1 inch (25.4 mm) or through the sheathing. Fasteners must be within 6 inches (152 mm) of counterbatten ends. Batten and panel fastening must be in accordance with Section 2.5 of this report.

With existing wood shake or shingle roofing removed, or for new construction, the counterbattens must be fastened with minimum 16d common nails or equivalent.

The resulting diaphragm has an allowable shear equivalent to $\frac{1}{8}$ -inch-thick (11.9 mm) structural wood panel sheathing installed in accordance with IBC Table 2306.3.1, using 8d nails over nominally 2-inch (51 mm) wood framing members in an unblocked diaphragm. The maximum aspect ratio is 4:1. Diaphragm deflections may be estimated using the equations in IBC Section 2306.2.2 using values for $\frac{1}{8}$ -inch-thick (11.9 mm) wood structural panels.

2.9 Wind Resistance:

Decra steel roofing panels installed on battens as described in this report are acceptable for uplift loads up to 33 psf (1580 N/m²) in the field of the roof and 75 psf (3591 N/m²) on the roof perimeter areas when the design wind pressure is determined in accordance with IBC Section 1609.6 and IBC Tables 1609.6.2.1(2), (3) and (4). Positive loads are limited to the adequacy of the structural framing and sheathing.

Except for installation on roof overhangs under the IBC, and provided installation is in accordance with the conditions given in IBC Section 1609.6 or IRC Section R301, these roof coverings are acceptable on any portion of a roof, having a maximum height of 30 feet (9.2 meters) in areas identified as Exposure B according to IBC Table 1609.6.2.1(2) and IRC Table R301.2(2), and slopes equal to or greater than 3:12 (25%), with a maximum basic wind speed (3-second gust) of 140 miles per hour (61.6 m/s). On overhangs under the IBC, the maximum basic wind speed (3-second gust) is reduced to 110 miles per hour (48.4 m/s) in accordance with IBC Table 1609.6.2.1(3).

For areas identified as Exposure C, with roof slopes equal to or greater than 3:12 (25%) at a maximum mean roof height of 30 feet (9.2 m), in all areas of the roof except overhangs under the IBC, the maximum basic wind speed

(3-second gust) is limited to 120 miles per hour (52.8 m/s) in accordance with IBC Table 1609.6.2.1(4). On overhangs under the IBC, the maximum basic wind speed (3-second gust) is reduced to 90 miles per hour (39.6 m/s) in accordance with IBC Table 1609.6.2.1(3).

Battens and counterbattens (if used) and their attachment to framing must be designed for the applied wind loads. A quality plan must be submitted to the building official when required by Section 1708 of the IBC. Structural observations in accordance with Section 1709 of the IBC must be provided when the basic (3-second gust) wind speed exceeds 110 miles per hour (48.4 m/s).

2.10 Identification:

Affixed to each pallet is a tag bearing the Tasman Roofing, Inc., name and address, the product name, and the evaluation report number (ICBO ES ER-3409).

3.0 EVIDENCE SUBMITTED

Data in accordance with the ICBO ES Acceptance Criteria for Metal Roof Coverings (AC166), dated November 2001.

4.0 FINDINGS

That the steel roofing panels described in this report comply with the 2000 *International Building Code*® (IBC) and the 2000 *International Residential Code*®, subject to the following conditions:

- 4.1 They are manufactured, identified and installed in accordance with this report and the manufacturer's instructions.
- 4.2 Installation is performed by installers field-trained by Tasman Roofing, Inc.
- 4.3 A quality plan in accordance with IBC Section 1706 and structural observations in accordance with IBC Section 1709 are provided as required in Section 2.9 of this report.

This report is subject to re-examination in two years.

INSTALLATION DETAILS—NEW CONSTRUCTION

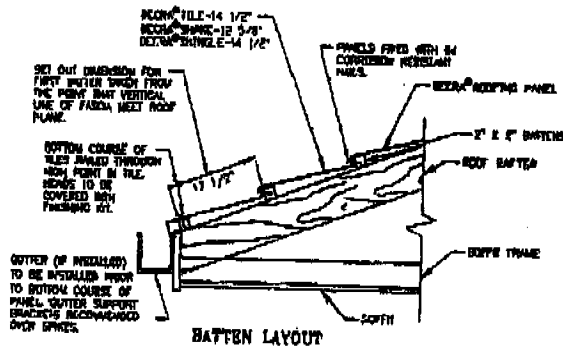


Fig. 2-A

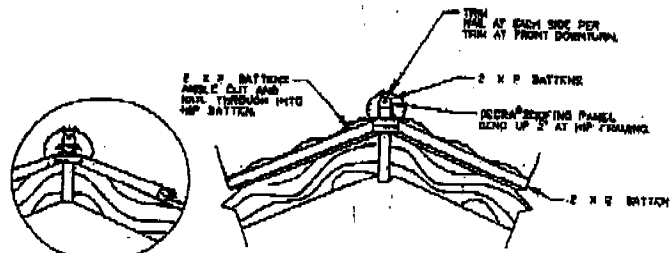


Fig. 2-B

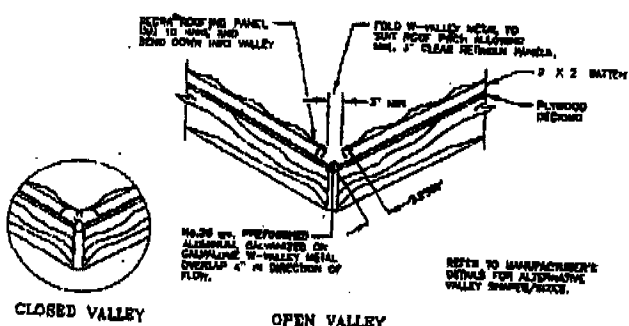
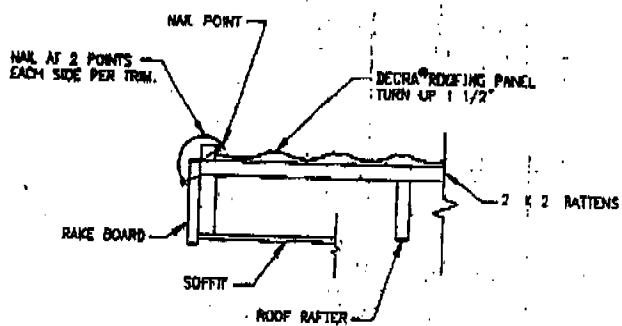


Fig. 2-C



RAKE DETAIL WITH PANEL TURN UP

Fig. 2-D

FLASHING AND RE-ROOF DETAILS

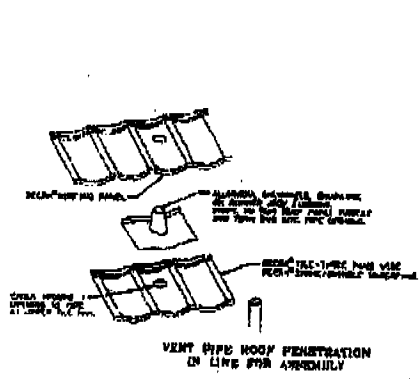
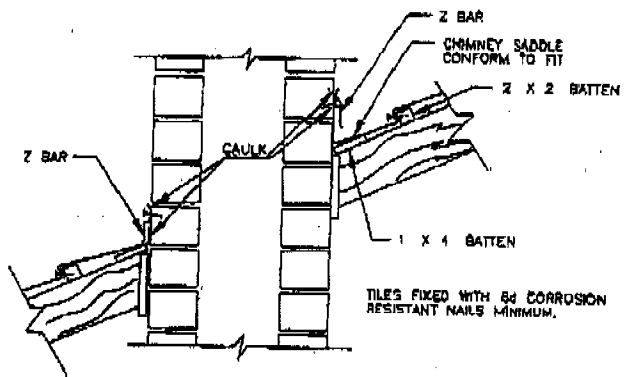
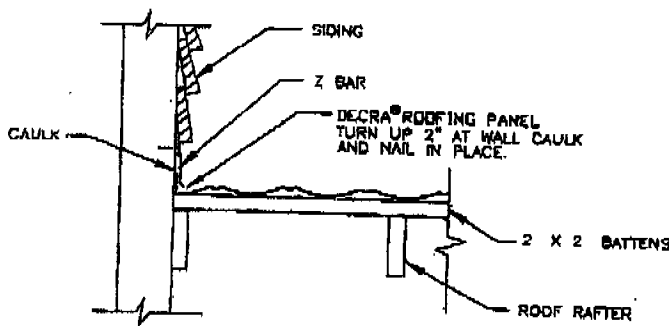


Fig. 3-A



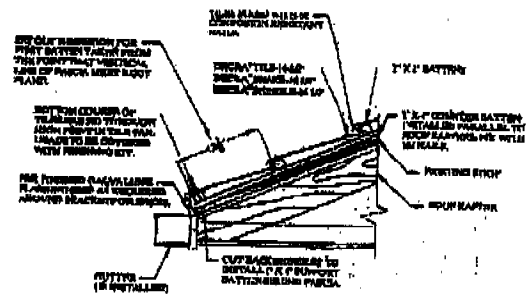
BRICK CHIMNEY AND ROOF TO WALL FLASHING

Fig. 3-B



ROOF TO WALL FLASHING

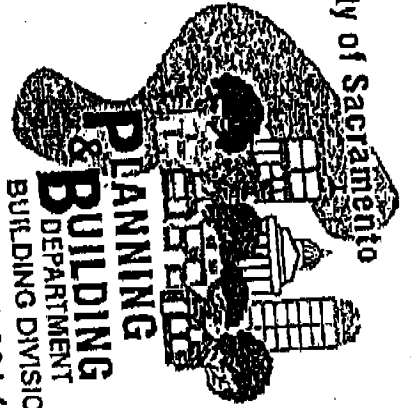
Fig. 3-C



BATTEN LAYOUT REEROOF

Fig. 3-D

City of Sacramento



Fax # (916) 264-1901

FAXBACK PERMIT APPLICATION
(certain restrictions apply)

Faxed request received in this office before 3:00 p.m. will be processed the following work day. Contractors must have a current certificate of Worker's Compensation Insurance. Work started before a Building Permit is issued will be subject to quad fees.

Permits requiring plan review are not eligible for FAXBACK

In order to process this request, ALL of the following information **MUST** be provided:

RESIDENTIAL APARTMENTS (4+ units per building) COMMERCIAL (limited)

DATE
4/28/05
TIME
11:00 AM
BY
[Signature]

Job Address: 1226 Grand River Dr Sacramento 95831
 Parcel Number: [Blank]
 CONTACT PERSON: Diana Carat
 Property Owner: Randall Neary
 Address: 1226 Grand River Dr CA 95831
 City/State/Zip: Sacramento CA 95831
 Phone: (916) 395-3807

Contract Price \$ 15,200.
 CONTACT PHONE: (916) 635-6300
 Contractor: Cal Pac Roofing License # 416821
 Address: 11261 Celona Rd. CA 95670
 City/State/Zip: Rancho Cordova CA 95670
 Phone: (916) 635-6300 FAX (916) 635-8626

NATURE OF WORK: (Provide detailed description of work & indicate type of work in selections below.)
 tear off existing shake roof & reroof w/ stone coated steel

Description of Work: tear off existing shake roof & reroof w/ stone coated steel

<input checked="" type="checkbox"/> REROOF (excluding tile) <input type="checkbox"/> TEAR-OFF <input type="checkbox"/> RESHEET <input type="checkbox"/> GARAGE <input checked="" type="checkbox"/> HOUSE # SQUARES: 41 # SQUARES: 2 # Stories: 3+ Material: <u>stone coated steel</u>	<input type="checkbox"/> HVAC INSTALLATIONS <input type="checkbox"/> NEW <input type="checkbox"/> CHANGE-OUT <input type="checkbox"/> Heat Pump <input type="checkbox"/> Package <input type="checkbox"/> Spill 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"/> Fire Place Insert <input type="checkbox"/> Other (describe below)	<input type="checkbox"/> WATER HEATER <input type="checkbox"/> GAS <input type="checkbox"/> ELECTRIC <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 TERMITES DAMAGE REPAIR <input type="checkbox"/> Mud sill/Stubbs <input type="checkbox"/> Flooring/Joists <input type="checkbox"/> Roof Structure <input type="checkbox"/> Exterior * Design Review approval may be required.	<input type="checkbox"/> Minor Electric and/or Mill PLUMBING <input type="checkbox"/> Electric Service Change # amps <input type="checkbox"/> New electric circuits <input type="checkbox"/> Re-wire <input type="checkbox"/> Replacement <input type="checkbox"/> Water Service <input type="checkbox"/> Sewer Service <input type="checkbox"/> Gas Line <input type="checkbox"/> Re-plumb <input type="checkbox"/> Water <input type="checkbox"/> Waste
<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	Value of duct work: \$ Equipment: \$ Cut-in: \$	<input type="checkbox"/> PUBLIC UTILITIES SAFETY INSPECTION* (Residential and single apartment units ONLY) <input type="checkbox"/> SMUD <input type="checkbox"/> PG&E	MR Faxback Permit updated 1209/01