

CITY OF SACRAMENTO

Permit No: 9806573

1231 I Street, Sacramento, CA 95814

Insp Area: 2

Site Address: 1351 GRANT LN SAC

Sub-Type: RES

Parcel No: 0160303002

Housing (Y/N): N

CONTRACTOR

PETERSON ROOFING
240 THORNDIKE WY
SACRAMENTO, CA

95630

OWNER

HATCH HOWARD T & SHERRY
1351 GRANT LN
SACRAMENTO CA

95822

ARCHITECT

Nature of Work: REROOF 32 SQS WITH GERARD STEEL TILE.150#/SQ

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 C-39 License Number 716415 Date July 15 98 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 July 15-98 Applicant/Agent 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:

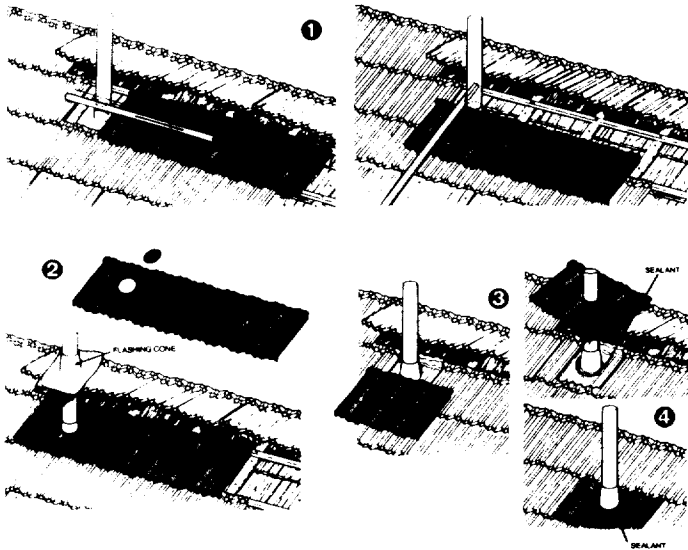
Carrier [Signature] Policy Number 285 Unit 446-98/99

(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.

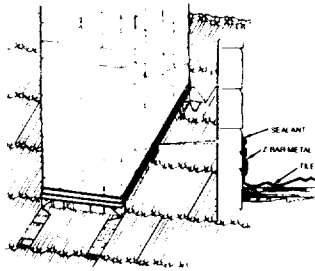
Date July 15-98 Applicant Signature [Signature]

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.

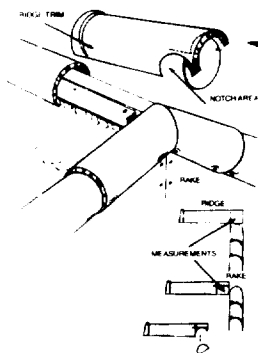
THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS.



**VENT JACK/PIPE FLASHING
DETAILS**
"Sandwich" Method
Shown W/Tile.



**CHIMNEY
FLASHING**
Gerard Panel
Turned Up Against Chimney



**TRIM APPLICATION
MISSION/SHAKE**

(Not to Scale)

with the 1991 Accumulative Supplement subject to the following conditions:

1. The tiles are manufactured, identified, and installed in accordance with this report and the manufacturer's Installation Recommendations, Reference 5/90-2.517.
2. Gerard Stone/Steel Roofing Panels shall not be installed on roofs with a pitch of less than 2-1/2 inches in 12 inches (approximately 11.75 degrees). For roof pitches of 4:12 and below, one layer of Type 30 Felt with a 2 inch lap is used.
3. The panels shall not be used in areas where the design wind load uplift pressure exceeds the allowable for the wind resistant assemblies described in section IV.C. of this report.
4. In jurisdictions utilizing the Uniform Building Code, Gerard Panels are Class A fire retardant roof coverings as described in the 1988 UBC, Section 3204(a)4, when applied over new construction, or when the existing roof covering is removed down to the spaced or solid sheathing. Installation is as defined in Sections III.A. through IV.A.

This report is subject to re-examination in 1 year.

IV. INSTALLATION

A. General

Gerard panels are designed to be installed on battens spaced 14-1/2 inches on center over open, spaced or solid sheathing. The battens are either nominal 2 inch x 2 inch sized material ripped from lumber of standard grade or better, or galvanized steel 28 gauge minimum (see Section IV.B. Roof Covering Fire Classification Assemblies 1.b.). Lumber battens are fastened to supporting framing members with 16d common nails or equivalent mechanically driven nails or staples which must penetrate 1 inch minimum into or through the roof sheathing or framing member. Where spaced sheathing is encountered after removal of the existing roof and will remain, nominal 1 inch x 4 inch counter battens are laid over the framing members and secured with 8d common nails or equivalent mechanically driven nails, spaced 12 inches on center. Where battens are required to act as spaced sheathing or purlins, minimum 2 inch thick nominal lumber designed to resist the required loading, must be provided.

The panels adjacent to the ridge may be cut and bent to fit in the field. Valleys for new construction are framed to receive No. 28 gauge corrosion-resistant metal flashing extending 8 inches in each direction from the center line with a 3/4 inch high splash diverter formed at the flow line. The 6 inch wide re-roof valley metal is acceptable for use on new construction. Valley flashing end laps must be 4 inches minimum. Re-roof valleys are framed using nominal 1 inch x 4 inch counter battens secured down both sides of the existing valley spaced 6 inches apart. The new re-roof valley metal is to be 28 gauge, corrosion-resistant metal flashing, extending 3 inches in each direction from the center line, with a 3/4 inch high splash diverter formed at the flow line, and 1 inch vertical side walls with 1/2 inch return-tabs used for securing. Valley flashing end laps must be 4 inches minimum. The panels are cut and bent down into the valley pan, forming either an open or closed valley. All full-sized panels are nailed in place on the roof prior to cutting panels for placement at hips, ridges, rakes or valleys.

Tiles may be installed in a running bond staggered 6-1/4 inches or multiples thereof or a stack bond. Gerard shake panels interlock only by staggering each course by one-half of a panel. This stagger provides the random patterned appearance of natural wood shake. The Gerard shake panel **cannot be laid straight or randomly staggered**. Both types of panels are fastened to battens with five 6d galvanized common nails or equivalent. Nails are positioned at the deepest "V" nearest the batten for tile, and at the raised shake impressions and grain ribs for shake panels. They must be directed up the roof slope. Wood ridges and hips must have a minimum 2 inch nominal thickness and project approximately 4 inches minimum above the rafters or existing roof surface. Gable rakes require gable cap pieces, rake or barge molds, or individual trim caps with the exposed surface treated in the same fashion as regular panels. The panels are fastened to the side of ridges and hips after mitering, cutting and bending, and are then capped with the appropriate trim, finished as the regular panels. Openings in the roof are flashed with No. 28 gauge corrosion-resistant metal flashing formed into place to match the panels general shape.

Care must be taken while nailing the tile to avoid striking the surface. Roof openings for vents or other protrusions are

weatherproofed as described previously and framed with additional blocking and framing as necessary.

The manufacturer's published Installation Recommendations, Reference 05/90-2.517, shall be followed and a copy of these shall be available upon request.

B. Roof Covering Fire Classification Assemblies

1. Class A Roof Covering

- a. New Roof Construction - Limited to 15/32 inch minimum plywood decks covered with 1/2 inch thick minimum UL classified WR-C gypsum board mechanically fastened to the roof deck. One layer of type 15-pound felt over the gypsum board followed by nominal 2 inch x 2 inch batten strips mechanically fastened to the deck with 16d common nails or equivalent power driven nails or staples, which must penetrate 1 inch minimum into or through the roof sheathing or framing member, with the Gerard panels nailed to the batten strips using five 6d galvanized or equivalent power driven nails.
- b. Non Combustible Roof Deck - Steel battens shaped into either "hat" or "C" sections, 1-1/2 inch minimum height and produced from 28 gauge galvanized steel, used over a metal, concrete or poured gypsum roof deck, where the Gerard panels are used as the structural decking element as well as the roof covering system (without additional conventional or other forms of roof coverings), are considered a Class A fire retardant roof covering.
- c. Re-roof Class A - Gerard panels applied over existing Class A fiberglass shingles. Nominal 1 inch x 4 inch counter-batten lumber spaced 24 inches maximum, and secured with nails penetrating a minimum of 1 inch into or through the roof sheathing or framing lumber. Nail spacing is at 12 inches o.c. Battens consisting of nominal 2 inch x 2 inch lumber are nailed to the counter-battens with 16d common nails or mechanically driven nails or staples, which must penetrate 1 inch minimum into or through the counter-batten at each batten intersection. Gerard panels are nailed to the batten strips with five 6d galvanized common nails or equivalent power driven nails per panel.
- d. Re-roofing Class A - Gerard panels applied over existing Class B or C asphalt, or organic fiber shingles. Limited to 1/2 inch thick minimum UL classified WR-C gypsum board nailed to the 1 inch x 4 inch nominal counter-battens with 4 penny dry wall nails or equivalent, with the joints butted tightly and applied over the existing roof material. Nominal 2 inch x 2 inch battens are nailed to the counter-battens with 16d common nails or mechanically driven nails or staples, which must penetrate 1 inch minimum into or through the counter-batten at each batten intersection. Gerard panels are nailed as previously described (Section IV.B.1.c)

2. Class B Roof Covering

- a. New Roof Construction - Over Open or Solid Sheathing. Solid sheathing to be 1/2 inch minimum exterior grade plywood decks. One layer of approved Type 30 reinforced fiber felt, followed by nominal 2 inches x 2 inches standard grade or better batten strips mechanically fastened to the deck with the panels nailed to the batten strips as described in Section IV.B.1.c.

with the 1991 Accumulative Supplement subject to the following conditions:

1. The tiles are manufactured, identified, and installed in accordance with this report and the manufacturer's Installation Recommendations, Reference 5/90-2.517.
2. Gerard Stone/Steel Roofing Panels shall not be installed on roofs with a pitch of less than 2-1/2 inches in 12 inches (approximately 11.75 degrees). For roof pitches of 4:12 and below, one layer of Type 30 Felt with a 2 inch lap is used.
3. The panels shall not be used in areas where the design wind load uplift pressure exceeds the allowable for the wind resistant assemblies described in section IV.C. of this report.
4. In jurisdictions utilizing the Uniform Building Code, Gerard Panels are Class A fire retardant roof coverings as described in the 1988 UBC, Section 3204(a)4, when applied over new construction, or when the existing roof covering is removed down to the spaced or solid sheathing. Installation is as defined in Sections III.A. through IV.A.

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1. Class A Roof Covering

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- b. Non Combustible Roof Deck - Steel battens shaped into either "hat" or "C" sections, 1-1/2 inch minimum height and produced from 28 gauge galvanized steel, used over a metal, concrete or poured gypsum roof deck, where the Gerard panels are used as the structural decking element as well as the roof covering system (without additional conventional or other forms of roof coverings), are considered a Class A fire retardant roof covering.
- c. Re-roof Class A - Gerard panels applied over existing Class A fiberglass shingles. Nominal 1 inch x 4 inch counter-batten lumber spaced 24 inches maximum, and secured with nails penetrating a minimum of 1 inch into or through the roof sheathing or framing lumber. Nail spacing is at 12 inches o.c. Battens consisting of nominal 2 inch x 2 inch lumber are nailed to the counter-battens with 16d common nails or mechanically driven nails or staples, which must penetrate 1 inch minimum into or through the counter-batten at each batten intersection. Gerard panels are nailed to the batten strips with five 6d galvanized common nails or equivalent power driven nails per panel.
- d. Re-roofing Class A - Gerard panels applied over existing Class B or C asphalt, or organic fiber shingles. Limited to 1/2 inch thick minimum UL classified WR-C gypsum board nailed to the 1 inch x 4 inch nominal counter-battens with 4 penny dry wall nails or equivalent, with the joints butted tightly and applied over the existing roof material. Nominal 2 inch x 2 inch battens are nailed to the counter-battens with 16d common nails or mechanically driven nails or staples, which must penetrate 1 inch minimum into or through the counter-batten at each batten intersection. Gerard panels are nailed as previously described (Section IV.B.1.c)

2. Class B Roof Covering

- a. New Roof Construction - Over Open or Solid Sheathing. Solid sheathing to be 1/2 inch minimum exterior grade plywood decks. One layer of approved Type 30 reinforced fiber felt, followed by nominal 2 inches x 2 inches standard grade or better batten strips mechanically fastened to the deck with the panels nailed to the batten strips as described in Section IV.B.1.c.