

**CITY OF SACRAMENTO**

1231 I Street, Sacramento, CA 95814

Permit No: 0114351

Insp Area: 2

Thos Bros: 317 C4

Site Address: 5201 GILGUNN WY SAC

Parcel No: 017-0193-027

Sub-Type: RES

Housing (Y/N): N

CONTRACTOR

MARK HUESTIS  
2719 JUSTINWOODS CT  
CAERON PARK CA 95682

OWNER

CROCKETT  
5201 GILGUNN WY  
SACRAMENTO CA 95822

ARCHITECT

Nature of Work: 30 SQ T/O REROOF WITH IMSA STANDING SEAM METAL ROOFING

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 710114 Date 11-5-01 Contractor Signature Mark Huestis

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 11-5-01 Applicant/Agent Signature Mark Huestis

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 \_\_\_\_\_ 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 11-5-01 Applicant Signature Mark Huestis

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.

*To BE  
MICRO FILMED*

# **WEATHERBY REYNOLDS**

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## **CONSULTING ENGINEERS**

206 PEEK ST., JACKSON CA 95642 (209) 223-0381  
(209) 754-1137 FAX # (209) 223-0716

Mr. Kyle Caluya  
Sacramento City Building Department  
2101 Arena Boulevard  
Sacramento, CA. 95834

### memo

**Date:** April 10, 2002  
**To:** Kyle Caluya  
**RE:** Roof framing Correction Notice Dated 3/2/02 at a Duplex for Charles Crockett, 5201  
Gilgunn Way, Sacramento, California Permit No. 0114351

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Dear Mr. Caluya;

A review of the referenced project by this engineer yesterday along with this letter will attempt to address your correction notice comment. Your Correction Notice comment stated "Structural Engineer to approve repairs to structure". A main duplex building, a garage just to the north; and a garage just to the east were observed on site by this engineer. A majority of the work observed appeared limited to the overhang areas and corners of the various structures. Although this engineer found the existing structures to substantially conform to the Conventional Construction Provisions of the Uniform Building Code (UBC), some of the framing replacement requires corrective measures.

The North Garage exhibited some replacement framing at the east and west overhang areas. Near the northern corner, a splice in the roof sheathing was observed installed with approximately 1/4" separation at the outside edge tapering to zero towards the interior. We recommend 2x4 flat blocking be installed below this separation (for the first three or four joist bays) to minimize any potential future differential deflection difficulties. At the southern end, a number of roof framing members, including diagonal hips at the corners, have been installed without any observable framing clips. The roof joists appeared toe-nailed only. Although this may have been considered conventional up until around ten years ago, most framers today use hangers and clips for roof framing of this type. We recommend installing Simpson LS30 clips (field bending one time is allowed) at the hips and, either LS30 clips, or Simpson A34 clips at roof joist to roof joist connections to provide additional conventional construction support. Please note that the fascia of this structure (and the others) should be considered structural and should provide

adequate conventional corner overhang support. At the top of the exterior eastern wall and a portion of the northern and southern walls, no roof blocking could be observed to brace the roof joists against possible buckling and to provide minimal lateral shear transfer. We recommend installing 2x full depth blocking with three 10d toe nails to the top plates each to alternate roof joist bays (every other one) to provide minimum conventional construction support.

At the East Garage, a shear transfer deficiency appears along the south gable end wall (door opening side). We recommend installing 3/8" C-D plywood (or OSB) APA 24/0 sheathing (or T-1-11 siding) to provide minimal shear transfer from the roof diaphragm to the wall below. Provide a 2x4 flat pressure treated Douglas Fir sill plate full span (no splice) at the top of the wall aligned with the roof joist above for easy sheathing attachment. Attach the new sill plate with two 1/2" diameter anchors each end (minimum 4" apart centered on the plate) and 4" minimum embedment to the wall piers. Use 3/16" thick by 2" square washer plates at all four anchors. Nail the sheathing to the roof joist above and sill plate below with 8d nails at 6" on center. If a sheathing splice is required, provide it near the center with solid block 2x4 flat blocking nailed with 4-8d nails from the sheathing each side. The anchors to the wall may be:

- Simpson SET installed per ICBO Report No. ER-5279.
- Simpson ET installed per ICBO Report No. ER-4945.
- Simpson Wedge-All installed per ICBO Report No. ER-3631.
- Hilti Kwik Bolt II's installed per ICBO Report No. ER-4627.

The existing duplex appeared to have no significant structural difficulties requiring our specific comment although evidence of water penetration could be observed at several locations. It is our understanding the owner will be working with an expert professional to alleviate those difficulties. In addition, please note, non-structural items are beyond the scope of our review.

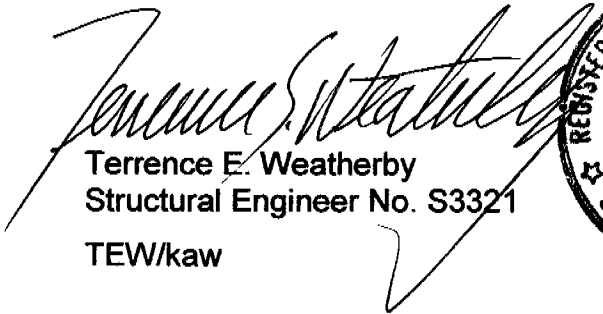
Our scope of services has been limited to a review of the referenced structural items only with regard to conformance to the minimum requirements outlined in the prevailing UBC and amended by your local building authority. Please observe that no structure or portion thereof can ever be completely safe from potential damage due to loads in excess of the minimums required in the UBC or your local building authority. The referenced plans have been cursorily reviewed by our office, pursuant to the acceptable risk standards established by the UBC, and amended by local ordinance. Normal care has been taken to provide the professional's opinion contained herein. No warranties are either expressed or implied.

Mr. Kyle Caluya  
Sacramento City Building Department  
April 10, 2002  
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It is our understanding, based on a phone conversation with you, that some difficulties in the completed roof repairs to the referenced project required review by our office. Please understand that, like you, we were limited to a review of only directly observable items. Also, we made some assumptions to your interpretations of the observable items to determine what difficulties you may have observed. If any of our assumptions herein do not match your observations, repairs indicated herein do not match our recommendations, or you have additional concerns not addressed herein, please call me.

Sincerely,

WEATHERBY-REYNOLDS CONSULTING ENGINEERS, INC.

  
Terrence E. Weatherby  
Structural Engineer No. S3321  
TEW/kaw



Copy to: Charles Crockett (Owner)  
Tim Thornhill (Contractor)

3.04 Clean Up and Close Out

- A. Touch-up:
1. Touch-up damaged paint surfaces with air dry touch-up paint provided by manufacturer. Follow directions carefully to minimize color irregularities. Small brush application only. Do not spray touch-up paint. NOTE: IMSA Building Products does not recommend touch-up painting of damaged surfaces (minor scratches, etc.) due to fading and weathering differences of the touch-up paints in comparison to factory applied paint system.
- B. Cleaning and Repairing:
1. At completion of each day's work and at Work Completion, sweep panels, flashing and gutters clean. Do not allow fasteners, cuttings, fillings or scraps to accumulate.
  2. Remove debris from Project Site upon Work Completion or sooner, if directed.



### 3.01 Examination (continued)

- A. Existing Conditions (continued):
2. Verify that installation may be made in accordance with approved shop drawings and manufacturer's instructions.

### 3.02 Preparation

- A. Field Measurements:
1. Verify prior to fabrication.
  2. If field measurements differ from drawing dimensions, notify Architect/Engineer prior to fabrication.
- B. Protection:
1. Treat, or isolate with protection material, any contacting surfaces of dissimilar materials to prevent electrolytic corrosion.
  2. Require workers who will be walking on roofing panels to wear clean, soft-soled work shoes that will not pick up stones or other abrasive material which could cause damage and discoloration.
  3. Protect work of other trades against damage and discoloration.
- C. Surface Preparation:
1. Clean and dry surfaces prior to applying sealant.

### 3.03 Installation

- A. Panels:
1. Follow roof panel manufacturer's directions.
  2. Install panel seams vertically.
  3. Lap panels away from prevailing wind direction.
  4. Do not stretch or compress panel side-lap interlocks.
  5. Secure panels without warp or deflection.
  6. Fully engage interlocking seams.
  7. Extended roof panels to overlap gutter openings 1 inch.
  8. Remove strippable protective film, if used, immediately preceding panel installation.
- B. Allowable Erection Tolerance:
1. Maximum alignment variation: 1/4 inch in 40 feet.
- C. Flashing:
1. Follow manufacturer's directions and approved Shop Drawings.
  2. Overlap roof panels at least 6 inches.
  3. Install flashings to allow for thermal movement.
- D. Cutting and Fitting:
1. Neat, square and true. Torch cutting is prohibited where cut is exposed of final view.
  2. Openings 6 inches and larger in any direction: Shop fabricate and reinforce to maintain original load capacity.
  3. Where necessary to saw-cut panels, debur and treat with galvanic paint.

**IMSA** BUILDING PRODUCTS USA INC.

**Skyline Roofing® Guide Specifications**  
Section 07411—Preformed (Manufactured) Roof Panels

**PART 1 - GENERAL**

*Except for adding section title, do not alter paragraph A.*

**1.01 Section Includes**

- A. The work includes, but is not necessarily limited to, furnishing and installation of all (*select one: roofing, siding, soffit, mansard, fascia*), and accessories as indicated on the Contract Drawings and specified herein.

**1.02 Related Sections**

*Edit for project conditions.*

- A. Structural Steel: Section 05100.  
B. Steel Joists: Section 05200 or 05400.  
C. Flashing and Sheet Metal: Section 07600.

**1.03 Submittals**

- A. Product Data:  
1. Submit manufacturer's technical product data, installation instructions and recommendations for each type of roofing required. Include data substantiating that materials comply with requirements.
- B. Samples:  
1. Prior to ordering products, submit Manufacturer's standard color samples for Architect's/Engineer's selection.  
2. Prior to starting work, submit(*quantity*) 12" long panel samples showing shape and a representative color chip for Architect's/Engineer's approval.
- C. Shop Drawings:  
1. Submit complete Shop Drawings detailing all perimeter and joint flashings that comply with Manufacturer's standard recommendations.

**1.04 Quality Assurance**

- A. Installer's Qualifications:  
1. Installation of panels and accessories by installers with a minimum of 5 years experience in panel projects of this nature.
- B. Manufacturer's Qualifications:  
1. Manufacturer shall have a minimum of 10 years experience supplying metal roofing to the region where the work is to be done.
- C. Regulatory Agency Requirements:  
1. Comply with UBC and local Building Code requirements if more than those specified.

**1.04 Quality Assurance (continued)**