

CITY OF SACRAMENTO
1231 I Street, Sacramento, CA 95814

Permit No: 0100545
Insp Area: 4

Site Address: 2831 CARBERRY WY SAC
Parcel No: 262-0283-016

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

CONTRACTOR

OWNER
VAZQUEZ JUAN F/EDGAR
2831 CARBERRY WY
SACRAMENTO CA 95833

ARCHITECT

Nature of Work: REPLACE BURNT GARAGE WITH NEW, REPAIR DAMAGE TO RESIDENCE

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 _____ License Number _____ Date _____ Contractor 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).

→ EM 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 1-12-01 Owner Signature Edgar

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 1-12-01 Applicant/Agent Signature Edgar

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:

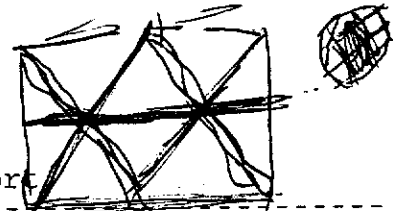
Carrier _____ Policy Number _____ Exp Date _____

→ EM (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 1-12-01 Applicant Signature Edgar

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.



Sacramento Fire Department - Incident Report

Incident No : 000051957 Call# : 116854 Date: 11/24/00 Time: 3:55
 Address : 2831 CARBERRY WY
 Type : 11 BUILDING FIRE
 Action Taken: 12 VENTILATION, EXTINGUISH, SALVAGE, OVERHAUL
 Property : -1-2 FAMILY RESIDENTIAL: SINGLE FAMILY
 UBC : DWELLINGS AND LODGING HOUSES

Weather : 55 Degrees / Clear
 Resources : 1 Engine
 1 Other Apparatus
 Fire Casualties : None

Fire Damage : Confined to structure of origin
 Smoke Damage : Confined to structure of origin
 Property Loss : \$100,000 Contents Loss : \$25,000
 Property Value : \$170,000 Contents Value: \$35,000
 Area of Origin : Garage, carport, vehicle storage area Level: A01
 Caused by : No equipment involved
 Form of Heat : Multiple forms of heat of ignition
 Ignition Factor : Incendiary, arson, criminal act
 Type of Material : Multiple types of material
 Form of Material : Fuel in final container
 Type of Material : Gasoline
 Form of Material : Fuel in final container
 Smoke Travel : Doorway, passageway
 Other Factors : Acts or Omissions Insufficient information
 Extinguished by : Water carried on first in unit
 Structure Type : Building with one specific property use
 Structure Status : Idle with furnishings in place
 Not occupied
 Construction Type: Type V - Wood Frame
 Roof Type : Composition
 Number of Stories: 1

Detector Type : Smoke detector - ionization
 Power : Battery
 Performance : Detector operated but not a factor in discovery
 Reason Failed : No failure

Extinguishing Sys: No extinguishing system

Report Author : F229

OWNER-BUILDER VERIFICATION

ATTENTION PROPERTY OWNERS

An owner-builder building permit has been applied for in your name and bearing your signature.

Please complete and return this information in the envelope provided at your earliest opportunity to avoid unnecessary delay in processing and issuing your building permit. No building permit will be issued until this verification is received.

1. I personally plan to provide the major labor and materials for construction of the proposed Improvement (yes or no) _____

2. I (have/have not) _____ signed an application for A building permit for the proposed work.

3. I have contracted with the following person (firm) to provide the proposed construction:

Name _____ Address _____

City NA Telephone _____

Contractors License No. _____

4. I plan to provide portions of the work, but I have hired the following person to coordinate, Supervise, and provide the major work.

Name _____ Address _____

City NA Telephone _____

Contractors License No. _____

5. I will provide some of the work but I have contracted (hired) the following to provide the Work indicated:

Name	Address	Phone	Type of work
<u>NA</u>			

→ Signed Edell

Job Address 2831 CARBERRY WY

Permit No: 0100545

Job Name: FIRE REPAIR

Truss ID: A

ENG	X-LOC	RECT	SIZE	REQ'D
1	0-1-12	947	3.50"	1.50"
2	21-5-4	947	3.50"	1.50"

TC FORCE	AML	RD	CSI
1	-1872	.05	.31
2	-1637	.03	.30
3	-1637	.03	.30
4	-1872	.05	.31

EC FORCE	AML	RD	CSI
1	1739	.31	.14
2	1161	.21	.11
3	1161	.21	.11
4	1739	.31	.14

WEB FORCE	CSI	WEB FORCE	CSI
2-7	.496	.05	.20
3-7	.496	.05	.20

2x4 DEL #2	2x4 DEL #2
2x4 DEL #2	2x4 DEL #2

Plating Spec: ANSI/TPI - 1995
PLATING BASED ON GREEN LUMBER VALUES.

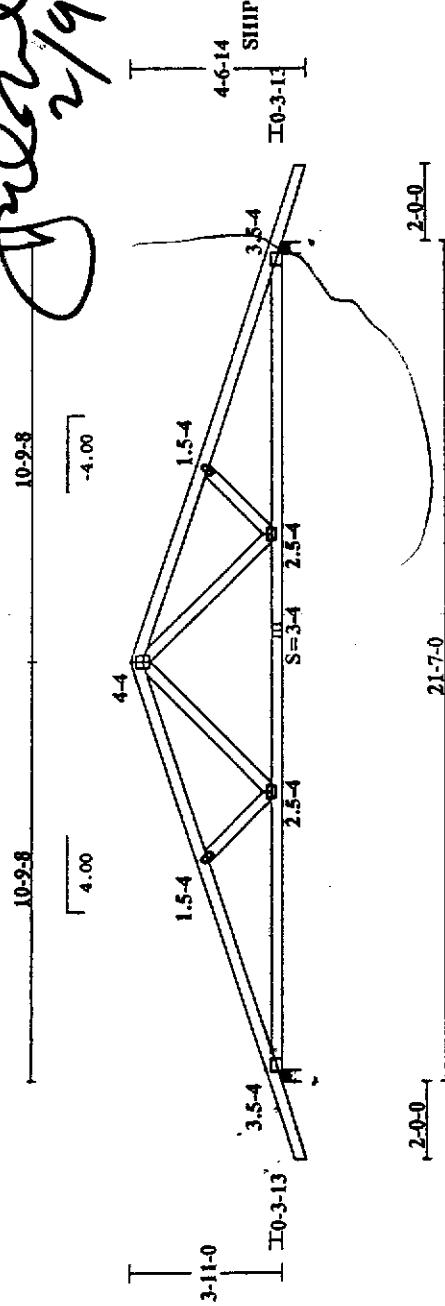
2831 CARPENTRY WAY
0100595R

This report is prepared and issued by the American Forest and Paper Association (AFPA) in accordance with the American Forest and Paper Association (AFPA) Standard for Truss Fabrication, 1995 Edition.

MAX DEFLECTION (SPCN):
L/999 IN MEM 7-8 (LIVE)
L₁ = -.07" D = -.09" T = -.16"

Joint Locations	1	2	3	4	5
0-0-0	6	0	0	0	0
5-9-13	7	7	5	11	11
10-9-8	8	11	7	0	0
15-9-3	9	14	1	5	5
21-7-0	10	21	7	0	0

REVIEWED BY:
fulford
2/19/01

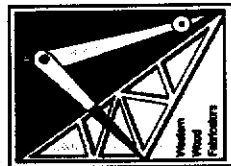


All plates are 20 gauge Trusval Connectors unless preceded by "18" for 18 gauge or "H" for 16 gauge.

Western Wood Fabricators
3700 Riego Road, Elverta, CA 95626

WARNING: Read all notes on this sheet and give a copy of it to the Erecting Contractor.
This design is for an individual building component. It has been based on specifications provided by the component manufacturer and done in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy. Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer shall ascertain that the loads utilized on this design meet or exceed the loading imposed by the local building code. It is assumed that the top chord is laterally braced by the roof or floor sheathing and the bottom chord is laterally braced by a rigid sheathing material directly attached, unless otherwise noted. Bracing shown is for lateral support of components members only to reduce buckling length. This component shall not be placed in any environment that will cause the moisture content of the wood exceed 18% and/or cause connector plate corrosion. Fabricate, handle, install and brace this truss in accordance with the following standards: TRUSSCOM MANUAL, by Trusval, QUALITY CONTROL STANDARD FORMETAL PLATE CONNECTED WOOD TRUSSES - (HIB-88), HANDLING, INSTALLING AND BRACING METAL PLATE CONNECTED WOOD TRUSSES - (HIB-91) and HIB-91 SUMMARY SHEET by TPI. The Truss Plate Institute (TPI) is located at 583 D'Orville Drive, Madison, Wisconsin 53718. The American Forest and Paper Association (AFPA) is located at 1250 Connecticut Ave, NW, Ste 200, Washington, DC 20006.

Eng. Job: .BJ.	NO: 14260A01
Clkt:	Date: 1/19/01
Dsgnr:	DurFacs L=1.25 P=1.25
TC Live	16.0 psf
TC Dead	14.0 psf
EC Live	.0 psf
EC Dead	7.0 psf
TOTAL	37.0 psf
Rep Mbr End	1.15
O.C.Spacing	2-0-0
Design Spec	TPI
Segn	06.04.99 - 214601



**WESTERN WOOD
F A B R I C A T O R S**
3700 Riego Rd., Elverta, CA 95626
PH (916) 991-4400
FAX (916) 991-4461

TRUSS ENGINEERING DRAWING PACKAGE

Customer: **Jose Jimenez** Project: **2831 Carberry Way** Plan: _____ Elev: _____

Safe Personnel: **Fred Holguin** Designer: _____ Submittal No. **1** Date: **1/19/2001** Job No. _____

NOTES:

- ALL LATERAL BRACING SPECIFIED IS FOR BRACING COMPRESSION WEB MEMBERS, AND MUST BE INSTALLED. TOP CHORDS ARE ASSUMED TO BE Laterally Restrained by Plywood, or Spaced Sheathing. Where no Rigid Ceiling is Applied Directly to the Bottom Chords, it shall be Braced at Interval of Not Exceeding 10'-0".
- VERIFICATION OF LOADING, DEFLECTION LIMITATIONS, FRAMING METHODS WIND BRACING OR OTHER LATERAL BRACING THAT IS ALWAYS REQUIRED, IS THE RESPONSIBILITY OF THE PROJECT ARCHITECT OR ENGINEER.
- ALL FLOOR TRUSSES RECOMMEND 2X6 STRONGBACKS AT 10'-0" O.C.
- DUE TO THE VARIATIONS IN WEATHER, LUMBER DIMENSIONS AND MOISTURE CONTENT, AT THE TIME OF FABRICATION, WESTERN WOOD FABRICATORS CANNOT BE RESPONSIBLE FOR ANY TRUSS DIMENSION VARIANCE OF + - 1/4 " OR LESS

DO NOT CUT OR ALTER TRUSSES



**WESTERN WOOD
CERTIFIED INSPECTION
IN STRICT ACCORDANCE
WITH U.B.C. 2311.6
PREFABRICATED**

Date of Request: _____

By: _____

**CITY OF SACRAMENTO DEVELOPMENT SERVICES DIVISION
PLANNING AND ZONING INFORMATION REQUEST**

Project Address: 2831 CARBERRY WY

Assessor's Parcel Number: 262-0283-016

Previous Use: EXIST SFR

Description of Request/Proposed Use: rebuild-repair garage due to fire, reelectrical damage throughout the house waterheater damage some plumbing needed; reroof

Is This a Change of Use? NO

Zoning Designation: R-1

Prior Applications for Project Site(P#, Z#, DRPB#): none

Comments: repaired/restored garage to be located in same place as damaged structure; same setbacks & lot coverage; North Area D.R. (EPA-006) app'd over the counter 1/12/01 per check list attached to plans

Are There Any Planning Issues?: (circle one) YES NO

- * Staff Site Plan Check Required? (Circle one) YES NO
- * Field Inspection Required? (Circle one) YES NO
- * Design Review/Preservation Required?: (Circle one) YES NO

SEE ABOVE

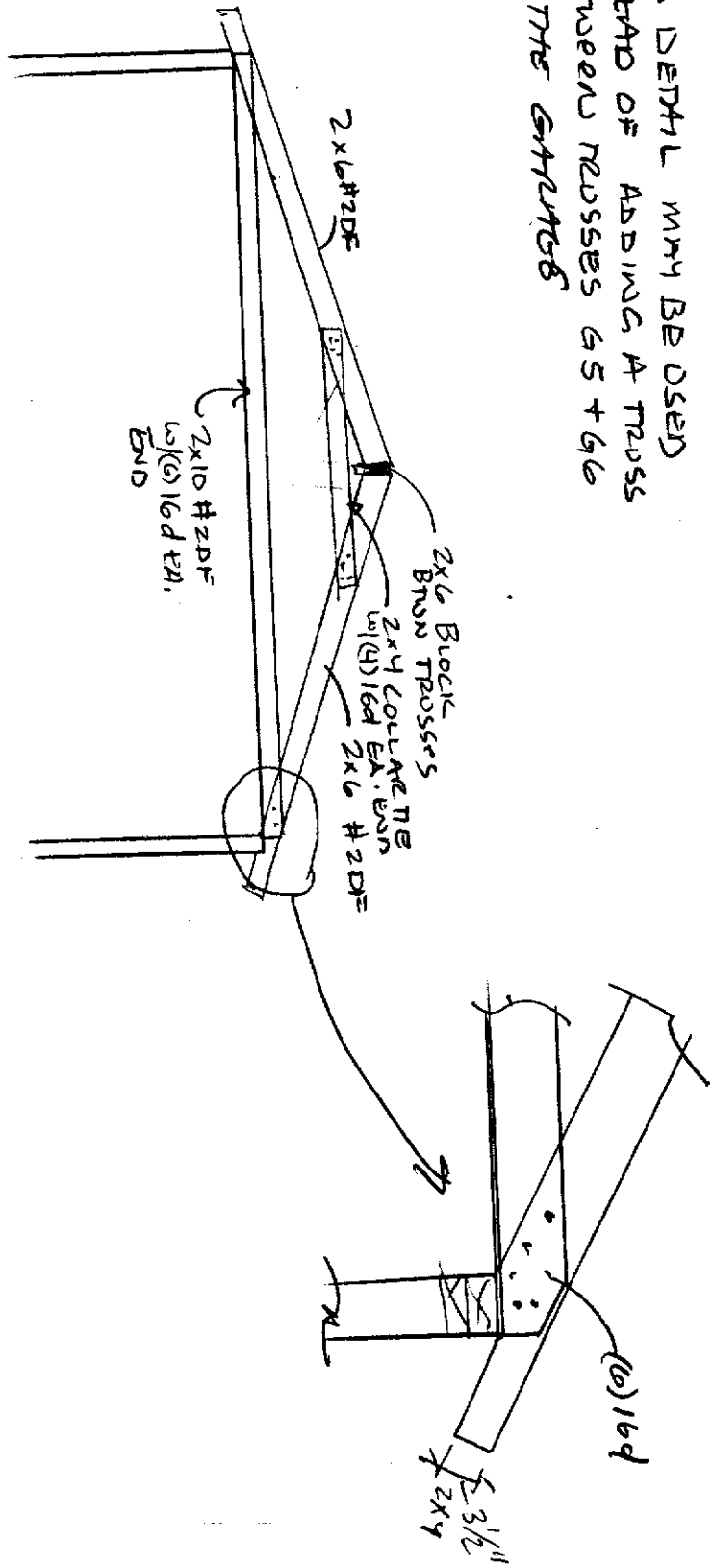
Planning Review by/Date: PHIL REED 1/12/01

A list of items that must be reviewed by Planning is provided on the reverse side of this form.

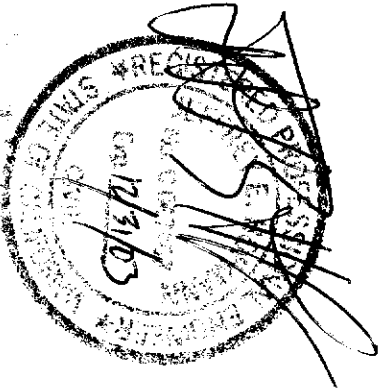
MICROFILM AFTER FINAL

NOTE: THIS DETAIL MAY BE USED
 INSTEAD OF ADDING A TRUSS
 BETWEEN TRUSSES G5 + G6
 IN THE GABLES

STICK FRAMED TRUSS.



PACIFIC CONSULTING ENGINEERS
 2150 BELL AVE., SUITE 145
 SACRAMENTO, CA 95833



MONTEZ REID
 2831 CADBURY WAY
 SACRAMENTO, CA

ADDITIONS/EXTERIOR MODIFICATIONS VISIBLE FROM STREET VIEWS

EXPANDED NORTH AREA DESIGN REVIEW MINIMUM STANDARDS 1 and 2 Family Residential Construction

FORM C

I. Site Design Standards

~~A. **Setbacks:** Additions shall be placed on the site to generally align with adjacent and surrounding structures. Provide photos and drawings to indicate compliance.~~

~~Check one:~~

- ~~— 1. Front yard setback is the average of the two adjacent structures.~~
- ~~— 2. Front yard setback does not vary more than 5'-0" from adjacent and surrounding structures.~~
- ~~— 3. No adjacent structures exist, meets Zoning Ordinance requirements for front yard setback.~~
- ~~— 4. Front yard setback not impacted by proposed addition or remodel.~~

~~B. **Landscaping (Required):** Front and street side yard landscaping shall be provided.~~

~~Check one:~~

- ~~— 1. Front and street side yard landscaping provided including: shade tree(s), lawn, and sprinkler system for irrigation.~~
- ~~— 2. Existing landscaping consisting of lawn and tree(s) to remain.~~

~~C. **Fencing:** New fencing proposed shall meet the following minimum standards. Existing fencing proposed to remain shall be repaired as needed.~~

~~**Interior side yard/rear yard fencing (no setback required)**~~

~~Check one:~~

- ~~— 1. Wood fencing provided.~~
- ~~— 2. Standard chain link fencing provided (dark green vinyl coating recommended).~~
- ~~— 3. Painted concrete block, brick, or plaster finished wall provided.~~

~~**Street side yard fencing (minimum 5'-0" setback required; less than 3 ft. height, no setback required.)**~~

~~Check one:~~

- ~~— 1. Wood fencing provided.~~
- ~~— 2. Chain link with vinyl coating (green color recommended) with vines provided.~~
- ~~— 3. Painted ornamental steel (wrought iron) fence provided.~~
- ~~— 4. Painted concrete block, brick, or plaster finished wall provided (max. 6'-0" high except at front yard setback shall be max. 3'-0" high").~~

~~**Front yard fencing (Shall be 3'-0" high or less if within front setback.)**~~

~~Check one:~~

- ~~— 1. No front yard fencing proposed.~~
- ~~— 2. Painted wood picket or split-rail fence (max. 3'-0" high) provided.~~
- ~~— 3. Chain link with green vinyl coating (max. 3'-0" high) with vines provided.~~
- ~~— 4. Painted ornamental steel (wrought iron) fence (max. 6'-0" high) provided.~~
- ~~— 5. Painted concrete block, brick, or plaster finished wall provided (max. 3'-0" high").~~

~~**Existing fencing**~~

- ~~— 1. Existing fence to remain and shall be repaired as needed.~~

II. Building Design Standards

A. Building Height/Roof Forms and Pitch: Roof forms of the proposed addition shall match the existing structure and be similar to adjacent and surrounding structures. Provide photos and drawings to indicate compliance.

Check one:

- 1. Height of addition compliments existing structure and is similar to surrounding structures.
- 2. Roof forms and pitch of the proposed addition match the existing structure and are similar to adjacent and surrounding structures.

ER 01-006

~~B. Street Facade: Existing porches and entries facing the street shall not be removed with an addition or remodel. Any addition shall allow for the "front" of the structure and the entry to face the street. Proposed additions shall allow for any existing windows and front door to remain facing the street.~~

~~Check one:~~

- ~~— 1. Entry and "front" of structure faces the street.~~
- ~~— 2. Windows provided facing the street.~~
- ~~— 3. Front door with decorative raised panels provided.~~
- ~~— 4. Proposed addition/remodel will not impact the street facade.~~

~~C. Front Porch/Decorative Entry Element: Any existing front porch shall not be removed with proposed addition or remodel. New porches proposed shall be a minimum depth of 5'-0" where existing setbacks allow. Decorative posts and railing shall be provided or a decorative entry element consisting of a "concrete "stoop" (min. 4'-0" square where existing setbacks allow) with decorative columns and a decorative roof cover that matches the existing building.~~

~~Check one:~~

- ~~— 1. Front porch with decorative posts and railing provided (5'-0" square min. where setback allows).~~
- ~~— 2. Decorative entry element with concrete stoop (min. 4'-0" square where setback allows), decorative columns and decorative roof cover provided.~~
- ~~— 3. New front porch provided, sized as allowed by existing setbacks.~~
- ~~— 4. New decorative entry element provided, sized as allowed by existing setbacks.~~
- ~~— 5. Front porch/entry not impacted by proposed addition/remodel.~~

~~D. Garages: Proposed garages shall be recessed back 3'-0" to 5'-0" from the primary face of the structure, and shall match the design of the primary structure.~~

~~Check one:~~

- ~~— 1. Garage recessed 3'-0" to 5'-0" from primary structure.~~
- ~~— 2. Side entry garage with decorative window in side facade provided.~~
- ~~— 3. Detached garage matching the primary structure design provided.~~
- ~~4. Existing garage not impacted by proposal/no garage proposed.~~

~~RESTORING FIRE DAMAGED~~

~~E. Accessory Structures: All new attached or detached accessory structures such as storage sheds, workshops, etc., as defined by the Zoning Ordinance, shall match materials and design of existing primary structures on the property.~~

~~Check one:~~

- ~~— 1. Attached/detached accessory structure visible from street view matches material and design of existing primary structures on the property.~~
- ~~— 2. No accessory structures proposed.~~

~~F. Exterior Materials: Exterior materials shall be of highest quality found on adjacent and surrounding structures and shall compliment and improve the aesthetics of the surrounding area. Materials shall be consistent on all street facades and shall wrap a minimum of 2'-0" around facades not facing the street. Exterior materials on proposed additions shall match the existing structure.~~

~~Siding~~

~~Check one:~~

- ~~— 1. Horizontal siding provided.~~
- ~~— 2. Wood shingle or shake siding provided.~~
- ~~3. Plaster (stucco) siding and door/window trim provided.~~
- ~~— 4. Brick as main facade material provided.~~
- ~~— 5. Grooved, textured plywood siding with vertical and horizontal trim (2" X 6" min. around doors and windows) and a brick wainscot provided. If untextured plywood with no grooves is proposed, 1X battens at a min. of 12" on center shall be provided to create a board and batten appearance.~~
- ~~— 6. Additions/remodels proposed with plywood siding to match existing shall also add the following to street facing elevations: 2" X 6" (min.) trim at doors, windows, building corners and base, and planter shelves or shutters shall be added to windows.~~
- ~~— 7. Vinyl siding with wood trim at doors and windows provided.~~

Roofing

Check one:

- 1. Laminated dimensional composition shingles (25 yr. min.) with heavy ridge caps provided.
- 2. Concrete or tile roofing provided. (LIGHT WT. TILE)
- 3. Wood shake or shingle roofing provided.
- 4. Addition proposed with roofing to match existing.

Gutters/Downspouts (Required if matches existing)

Check one:

- 1. Painted or prefinished gutters/downspouts shall be provided to match existing.
- 2. No gutters or downspouts proposed (none on existing structure).

G. Doors/Windows: New doors and windows shall match types and trim styles of the existing structure. Windows proposed at street facing facades shall be decorative, windows not visible from street view may be of simpler design and trim. All windows shall have integral paint color.

Entry doors

Check one:

- 1. Exterior doors with raised panel design and decorative trim are provided.
- 2. Existing exterior doors to remain/no new doors proposed.

Garage doors

Check one:

- 1. Decorative sectional garage door with raised panel design and decorative trim provided.
- 2. Alternative garage door that provides raised panel design provided.
- 3. Existing door to remain and repaired as needed.

Windows

Check one:

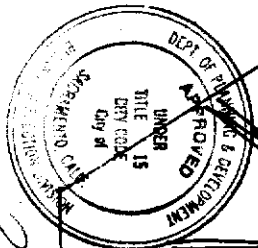
- 1. Double or single hung windows with decorative trim/sill provided.
- 2. Horizontal sliding windows with grids and decorative trim/sill provided.
- 3. Horizontal sliding windows with wide frames and decorative trim, no grids, and with decorative shutters and/or decorative plant shelf provided.
- 4. Existing windows to remain/no new windows proposed.

H. Mechanical Equipment: New mechanical equipment shall not be placed on the roof where it may be visible from any street view. Replacement of existing equipment may remain in the same location.

Check one:

- 1. Mechanical equipment shall be attic and/or ground mounted with screening.
- 2. Mechanical equipment shall be roof mounted where not visible from any street views and a diagram indicating compliance provided.
- 3. Replacement of existing equipment in same location proposed.
- 4. Existing equipment to remain/no change proposed.

FRONT VIEW



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.

redwood
 48
 STUCCO

ISSUED 96

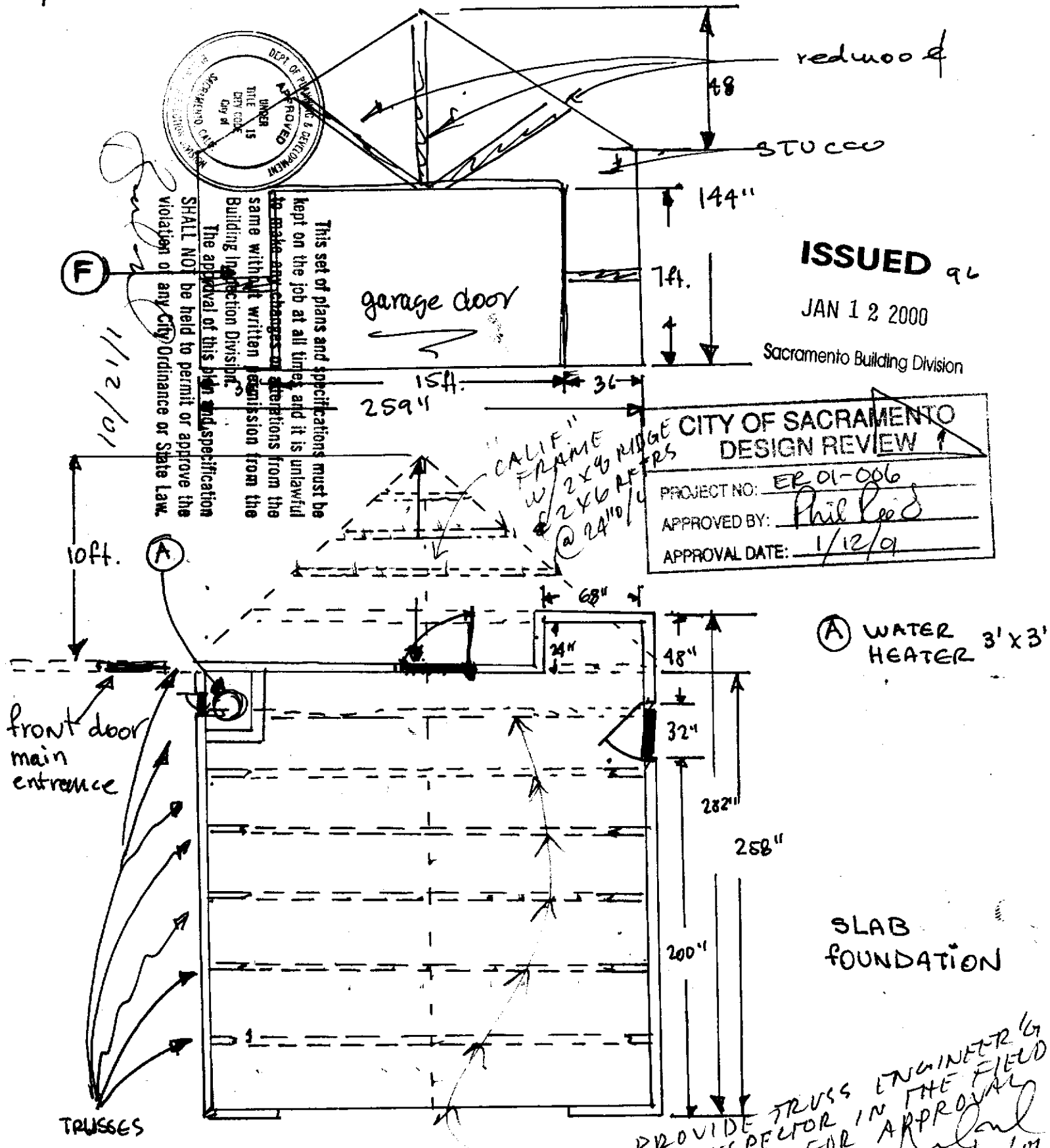
JAN 12 2000

Sacramento Building Division

11/2/01

**CITY OF SACRAMENTO
 DESIGN REVIEW**

PROJECT NO: ER 01-006
 APPROVED BY: Phil Reed
 APPROVAL DATE: 1/12/01



(A) WATER HEATER 3' x 3'

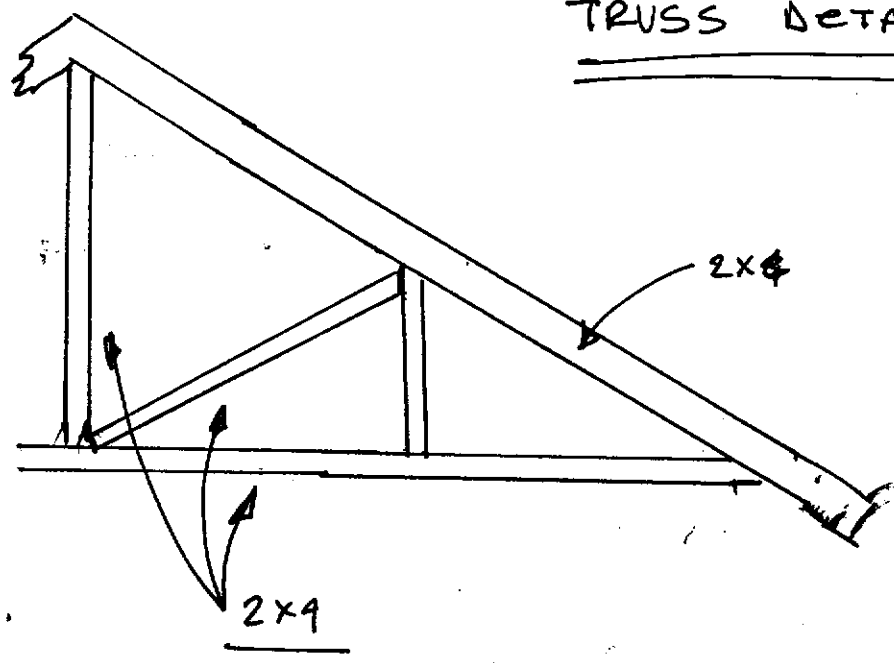
SLAB FOUNDATION

PROVIDE TRUSS TO INSPECTOR FOR APPROVAL
 ENGINEER IN THE FIELD
 Phil Reed
 1/12/01

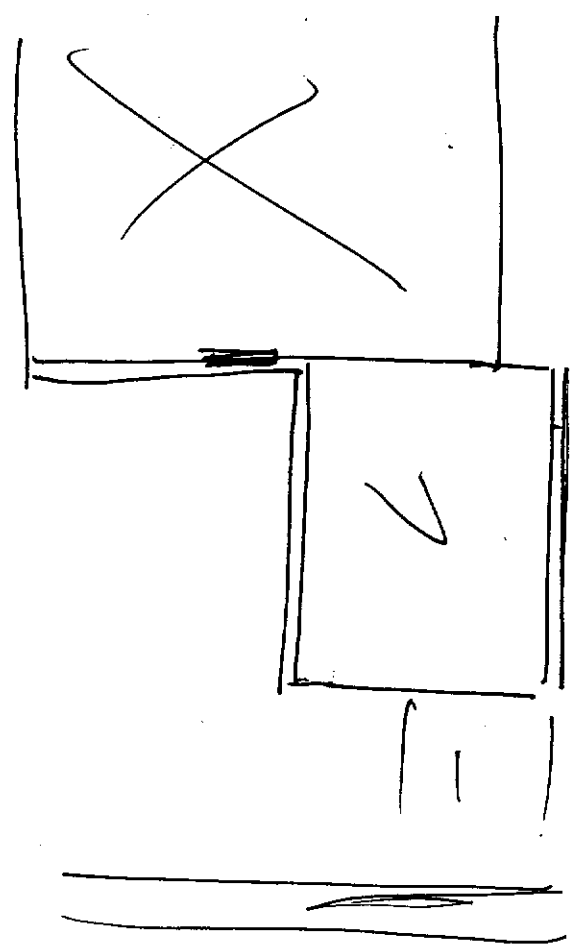
— TOP VIEW —
 floor plan

ER 01-006

TRUSS DETAIL



frame structure
CONSISTING OF
2x4



ER01-006

Pacific Consulting Engineers

2150 Bell Ave., Suite 145 • Sacramento, CA 95838 • (916) 564-6028 • Fax: (916) 564-6029

October 23, 2001

Edgar Montez
2831 Carberry Way
Sacramento, CA

RE: Re-roof at Montez Residence, 2831 Carberry Way, Sacramento, CA.
This letter is our Job # 01-1357.

Dear Mr. Montez:

Please be advised that, per your request, on October 16, 2001, I performed a visual inspection of existing roof framing at the aforementioned residence. The purpose was to determine if the existing roof framing is acceptable to support a light weight tile instead of the existing wood shake.

The residence is a existing single story structure that is in the process of being repaired/rebuilt from a previous fire. The existing roof framing over the house consisted of manufactured trusses with 2x4 top chords, spaced at 24" c.c. and the california frame over portions were stick framed with 2x6 #2 DF rafters at 24" c.c.. The entire garage roof framing is being replaced with prefab trusses and a stick framed hip at the front.

For the existing trusses at the residence:

The existing trusses that were not damaged by the fire or fire fighting effort are acceptable to support the weight of the light weight tile (5.5 psf installed weight) roof covering. There were approximately 7 trusses that needed some repair work.

On Trusses H12 thru H19 (shown on roof sketch on Attachment 1), the nail plates at the ridge point were loose. On Trusses H12 thru H14 (three trusses) there were cuts in the top chord where the fire fighters had cut holes in the roof and the nail plates were loose. On trusses H15 thru H19 just the nail plates at the ridge were loose.

On trusses H12, H13, and H14 – the top chord is to be replaced and the ridge point reinforced as shown in Details 1 and 2 as shown on pages 2 and 3 of the attachment.

On trusses H15, H16, H17, H18, and H19 – the ridge point is to be reinforced with plywood gussets as shown in Detail 1 on page 2 of the attachment.

For the new trusses over the garage:

The trusses that were placed had a sticker from the manufacturer stating the allowable loads as follows: Top Chord LL = 20 psf, Top Chord Dead Load = 14 psf, Bottom Chord Live Load = 7 psf. These loads are acceptable for use with the tile roof that is being placed. However, there are a couple of items that need to be addressed:

- 1) Between Trusses G5 and G6 (as shown on the roof sketch on page 1 of the attachment) there was a 40" space, with ladder blocking at 16" c.c.. This is not acceptable, it

JET
10/23/01

overloads the trusses on either side. An additional truss must be placed such that the maximum spacing between the trusses is 24".

- 2) Truss G1 (as shown on the roof sketch on page 1 of the attachment) approximately 8' back from the front of the garage, it must be verified that it is designed to act as a girder truss that can support the additional framing from the hip end. At the time of my inspection I did not see any paper work verifying that it was designed as a girder truss. If it not designed as a girder truss then it is to be replaced with one that is or a beam may be placed adjacent to it that will support the hips and ceiling members. If a beam is to be used – it should be a 4x14 #2DF with the ends to cut to match the depth and slope of the roof.

Attachments:

Attachment #1 is the sketch of the roof framing plan;

Attachment #2 is the Detail 1 and a sketch of the existing roof trusses;

Attachments #3 is Detail 2 showing the repair of the cut trusses;

Attachments #4, #5, and #6 are the calculations regarding the calculation of the weight of the rafter and top chord dead load with the new tile, justification of the repair details and the beam at the front of the garage to support the hip members.

This report is based on the initial inspection, if additional structural members are found to be damaged or not as indicated, please notify this office for a reinspection and fix.

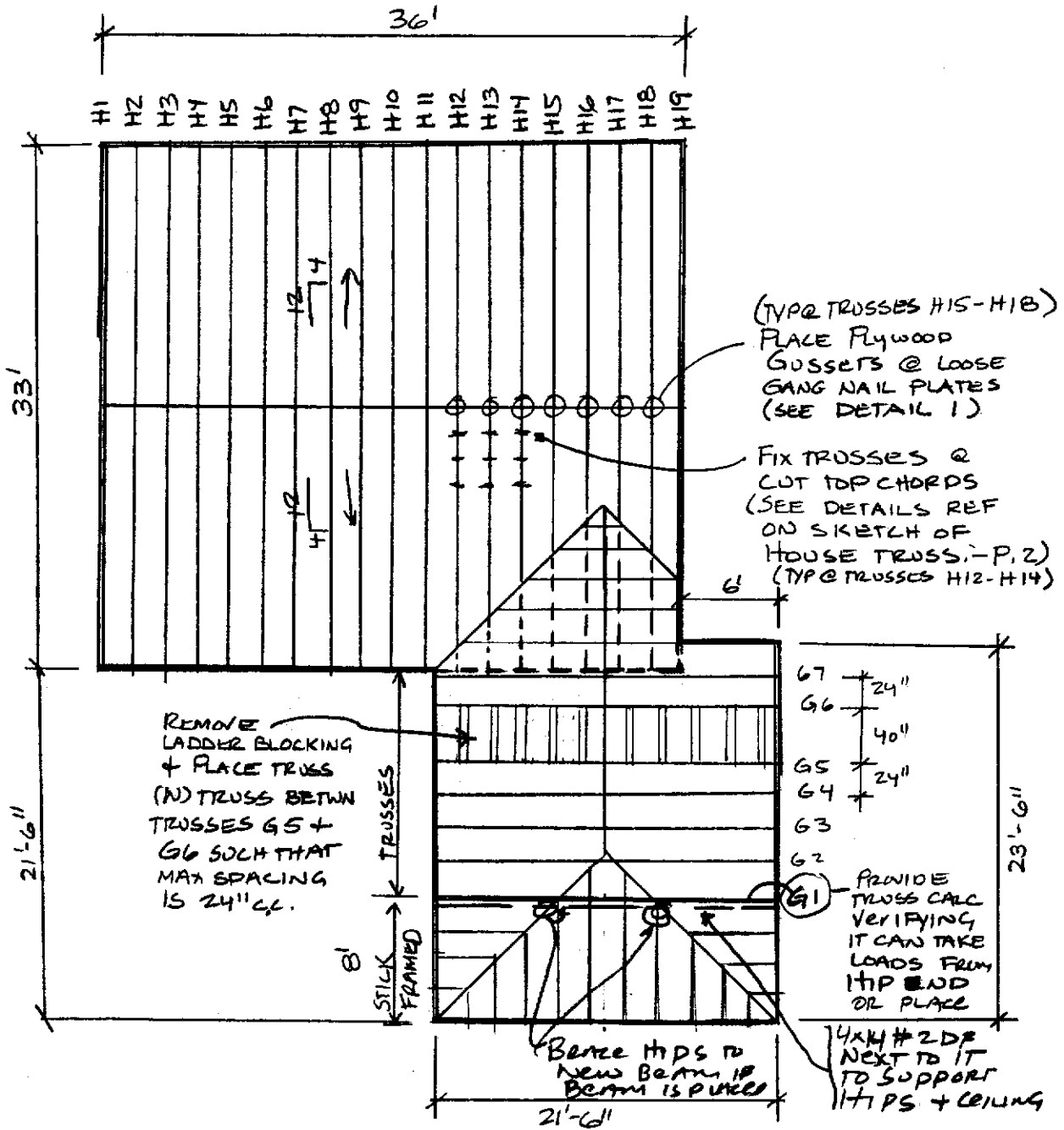
If you have any questions or need further clarification on these matters please feel free to contact me at (916) 564-6028.

Sincerely,



Jeffrey E. Hofmann, P.E.

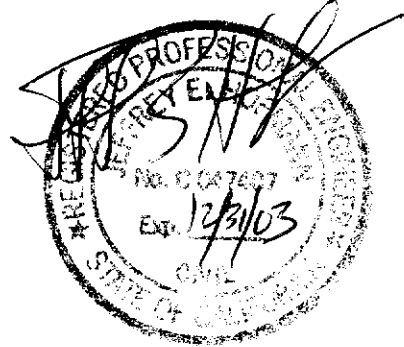
No. 937 811E
Engineer's Computation Pad



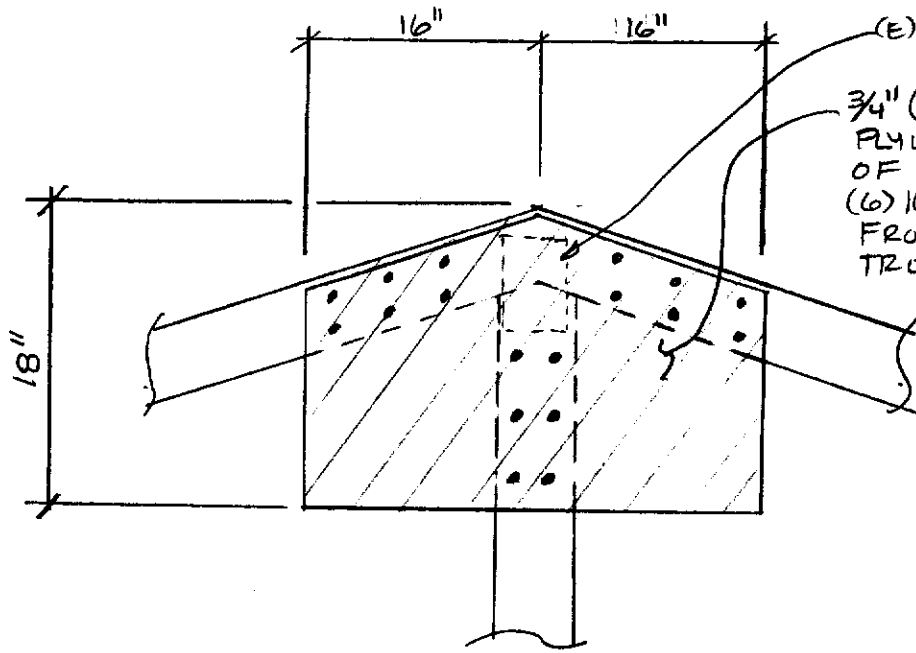
SKETCH OF ROOF FRAMING

~1" = 10'

SITE
MONTREZ RESIDENCE
2831 CARBERRY WAY
SACRAMENTO, CA



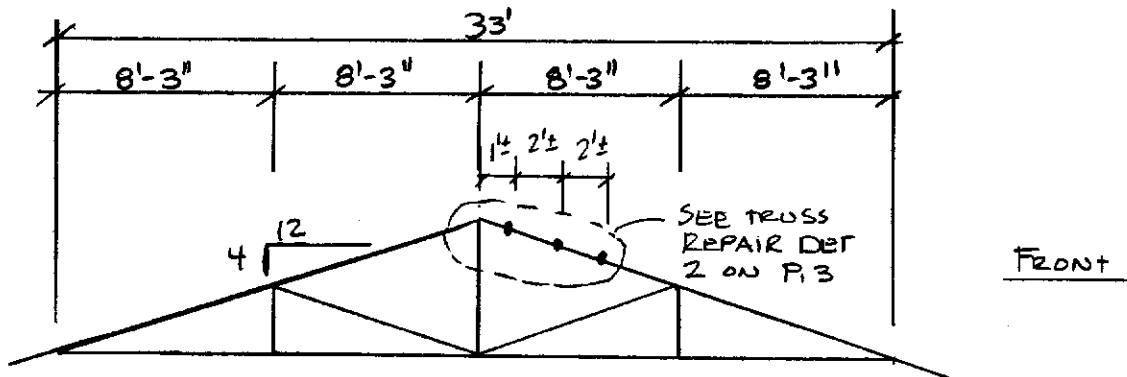
PACIFIC CONSULTING ENGINEERS
2150 BELL AVE., SUITE 145
SACRAMENTO, CA 95838



(E) LOOSE TRUSS M'S

3/4" (23/32" MIN) APA RATED
 PLYWOOD-TYP BOTH SIDES
 OF EA TRUSS, w/
 (6) 10d COMMON NAILS
 FROM EA. SIDE TO EA.
 TRUSS MEMBER,

① DETAIL - RIDGE PT. REPAIR @ LOOSE TRUSS M
 N.I.S.



SKETCH OF HOUSE TRUSS



FIND LOADS TO TRUSS MEMBERS FOR REPAIR DETAILS

TOP CHORD DL - TOTAL = 9.0 PSF

LL = 16 PSF

TILE = 5.5 PSF

FELT = 0.3 PSF

1/2" Ply = 1.5 PSF

TOP CHORD TRUSS = 0.7 PSF

MISC = 1.0 PSF

BOTTOM CHORD DL = 5.0 PSF

1/2" GYP BD = 2.5 PSF

2x4 Bor LH = 0.7 PSF

INSUL = 1.4 PSF

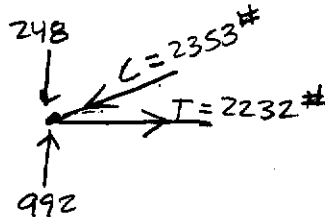
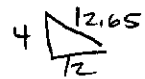
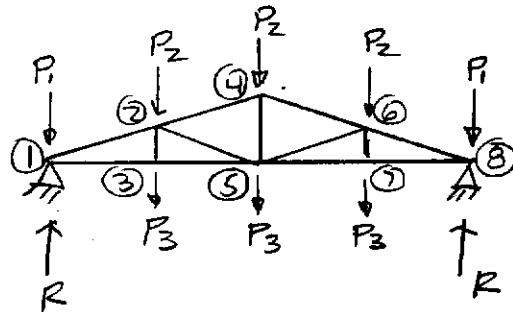
MISC = 0.4 PSF

$$P_1 = \frac{8.25'}{2} (2') (16 + 9 + 5) = 248 \#$$

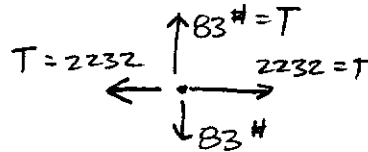
$$P_2 = 8.25' (2') (16 + 9) = 413 \#$$

$$P_3 = 8.25' (2') (5 \text{ PSF}) = 83 \#$$

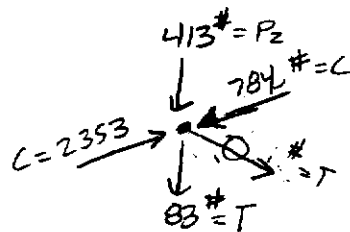
$$R = 2(248) + 3(413 + 83) = 992 \#$$



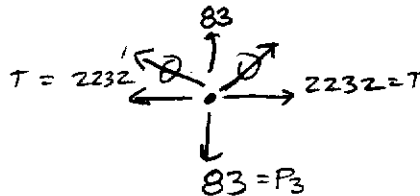
JOINT ①, ⑧



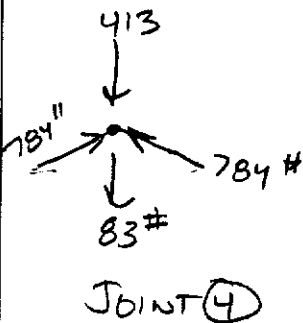
JOINT ③, ⑦



JOINT ②, ⑥



JOINT ⑤



No. 937 811E
Engineer's Computation Pad



CHECK CONNECTION OF PLYWOOD TO TRUSS MEMBERS @ RIDGE PT REPAIR

$$V_{MAX} = 784 \# \text{ (SEE JOINT (4) - P. 4)}$$

$$V_{ALL}(10d) = 76 \#/\text{NAIL}$$

$$\text{MIN \# OF NAILS} = \frac{784}{76} = 10.3 \Rightarrow \text{SAY (12) 10d TO EA MEMBER}$$

USE 3/4" PLY ON EACH SIDE w/ (6) 10d TO EA. MEMBER

CHECK NAILING OF 2x4'S TO PATCHED TOP CHORD

$$V_{MAX} = 784 \#$$

$$V_{ALL}(16d) = 94 \#/\text{NAIL}$$

$$\text{MIN \# OF NAILS} = \frac{784}{94} = 8.3 \Rightarrow \text{(16) 16d TO EA. MEMB OK,}$$

USE 1 NAIL 2x4 #1 DF TO EACH SIDE OF JOINT IN MIDDLE OF TOP CHORD w/ (8) 16d SINKERS @ EA. END (TOTAL 16 NAILS ON EA. SIDE OF JOINT).

CHECK MAX SPAN OF (E) 2x4 #2 DF (PRE 1991 GRADING RULES)

$$(E) \text{ SPAN} = 8' - 3'' \text{ SEE P 4 FOR DL TO TOP CHORD CALL}$$

$$W_{TL} = (2') (16 + 9 \text{ PSF}) = 50 \text{ PLF}$$

$$V_{ACT} = \frac{8.25'}{2} (50 \text{ PLF}) = 206 \text{ PSI} \quad f_v = \frac{1.15 (206)}{5.25} = 58.8 \text{ PSI} < 95 (1.25) \text{ LOK}$$

$$M_{ACT} = \frac{(8.25')^2 (50)}{8} = 425.4 \text{ Lb-ft} \quad f_b = \frac{425.4 (12)}{3.06} = 1668 \text{ PSI} < (1.25) \text{ LOK}$$

$$\Delta_{ACT} = \frac{5(50)(8.25')^4 (1.728)}{384 (1.7 \times 10^6) (5.36)} = 0.157'' = \frac{L}{173} \approx \frac{L}{180} \text{ LOK FOR TOTAL LOAD}$$

$$\Delta_{ACT,LL} = 0.157 \left(\frac{32 \text{ PLF}}{50 \text{ PLF}} \right) = 0.136'' = \frac{L}{271} < \frac{L}{240} \text{ LOK FOR LIVE LOAD}$$

(E) 2x4 TOP CHORDS ON TRUSSES ARE ACCEPTABLE FOR WEIGHT OF TILE ROOF 5.5 PSF MAX INSTALLED WT

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MONTREZ RE-ROOF

01-1357

6/6

SIZE BEAM TO SUPPORT TRIPS @ FRONT OF GARAGE

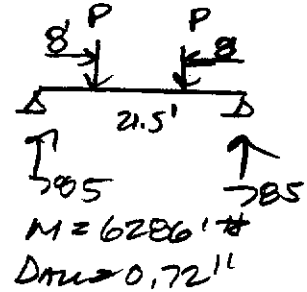
$$\text{SPAN} = 21.5'$$

$$F = \frac{2}{3} \left[\frac{1}{2} (11,286) (8' (10+10)) \right] = 785$$

$$\text{Req'd } A = 1.5(785) / 95(1.25) = 9.9 \text{ in}^2$$

$$\text{Req'd } S = 12(6286) / 875(1.25) = 68.9 \text{ in}^3$$

$$\text{Req'd } F = \frac{785(8)(1726)}{24(1.25)(172)} \left(3(21.5)^2 - 4(8)^2 \right) = 443.8 \text{ in}^2 \quad (11.5)$$



USE 4x14 #2 DR - MAY CUT ENDS TO MATCH ROOF PITCH + DEPTH.