

CITY OF SACRAMENTO  
1231 I Street, Sacramento, CA 95814

Permit No: 0510598  
Insp Area: 3  
Thos Bros: 317H2

Site Address: 4537 13TH AV SAC  
Parcel No: 014-0283-018 DESIGN REVIEW AREA

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

CONTRACTOR

OWNER  
MROCK & ASSOCIATES INCORPO  
3414 BRODERICK ST  
SAN FRANCISCO, CA 94123

ARCHITECT

Nature of Work: 762sf, REAR, 1 STORY ADDITION TO EXISTING 1 STORY SFR - DESIGN REVIEW AREA -

**PAID**  
**CITY OF SACRAMENTO**  
SEP 20 2005

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 (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);

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: \_\_\_\_\_

X Date 9/20/05 Owner Signature Andrew Cook

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.

X Date 9/20/05 Applicant/Agent Signature Andrew Cook

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.

X Date 9/20/05 Applicant Signature Andrew Cook

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.



**CITY OF SACRAMENTO  
CALIFORNIA**

PLANNING AND  
BUILDING DEPARTMENT

1231 I STREET, ROOM 200  
SACRAMENTO, CA 95814-2998

PHONE 916-808-5381

FAX 916-808-5543

**STAFF LEVEL PROJECT REVIEW**

DR Number:	DR05-148	Applicant/Owner:	Heaven Investments
Address:	4537 13 <sup>th</sup> Avenue	Date Filed:	April 27, 2005
Description:	Addition to Single Family Home	Date Approved:	May 16, 2005
Staff Contact:	Andrea Di Matteo, 808-1928	APN:	014-0283-018

**STAFF ACTION AND CONDITIONS OF APPROVAL:**

Staff has reviewed the proposed project, and approves it with the following conditions of approval:

1. Addition shall be placed to the rear elevation of existing single family home.
2. Provide smooth finish stucco at all four sides of house per approved drawings.
3. All windows and doors shall have decorative trim. All windows shall have decorative trim and sills.
4. All windows shall be vinyl framed single hung.
5. Sliding glass doors shall be placed at rear elevation, per approved drawings.
6. New roofing to existing house and addition shall be 30 year laminated dimensional composition shingle.
7. Gutters and downspouts shall be provided.
8. Paint entire house, all gutters, exposed wood and trim shall be painted a complementary accent color.
9. All other notes and drawings on the final plans as submitted by the applicant are deemed conditions of approval. Any changes to the final set of plans stamped by Design Review staff shall be subject to review and approval prior to any changes.
10. No building permit shall be issued until the expiration of the 10-day appeal period. If an appeal is filed, no permit shall be issued until final approval is received.  
The applicant and the owners of all properties adjoining the subject property have the right to appeal this decision to the Design Review and Preservation Board. Appeals must be filed within 10 days of the staff action.

Handwritten signature of Andrea Di Matteo in black ink.

**Andrea Di Matteo**  
Planning Technician  
Design Review

**Amendment**

1. Roof pitch at addition shall be 6:12.

Handwritten signature of Andrea Di Matteo in black ink.

**Andrea Di Matteo**  
Planning Technician  
Design Review



# CITY OF SACRAMENTO

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

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

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

## SITE DRAINAGE AND ENCROACHMENT QUESTIONNAIRE

PARCEL # 014-0283-018 PERMIT # 0510598  
 SITE ADDRESS 4537 13th AVE ACREAGE       

The City of Sacramento requires a building site to be graded to drain correctly and site drainage routed to an approved location. To help us understand the site drainage for your project and determine if a driveway permit or an encroachment permit is required please answer the following questions. All questions must be answered.

1. Are there existing structures on the site?
2. Is there an existing concrete or paved driveway to this parcel from the street?
3. Will the existing access to this parcel be changed in any way for this project?
4. Are all portions of the lot higher than the crown of the street?
5. Are all portions of the lot higher than the back of the sidewalk?
6. Is there a curb and gutter at the street level?
7. Is there a sidewalk with a curb and gutter at the street?
8. Is the curb at the street square?
9. Is there a rolled curb at the street?
10. Is there a drainage ditch or culvert at the street?
11. Does the lot drain from back to front?
12. Does the lot drain from front to rear?
13. Does another lot drain across this parcel?
14. Does the lot drain from side to side?
15. Does the site have an existing low area or drainage swale?
16. Does the drainage swale drain to an adjacent parcel?
17. Does the drainage swale drain to the street?
18. Will existing drainage be re-routed?
19. Will drainage ditches or culverts be constructed or modified?
20. Did this project require approval from the Zoning Administrator?
21. Did the project require approval from the Planning Administrator?

<input checked="" type="radio"/>	Y	<input type="radio"/>	N
<input checked="" type="radio"/>	Y	<input checked="" type="radio"/>	*N
<input checked="" type="radio"/>	*Y	<input checked="" type="radio"/>	N
<input checked="" type="radio"/>	Y	<input checked="" type="radio"/>	*N
<input checked="" type="radio"/>	Y	<input checked="" type="radio"/>	*N
<input checked="" type="radio"/>	*Y	<input type="radio"/>	N
<input checked="" type="radio"/>	*Y	<input checked="" type="radio"/>	N
<input checked="" type="radio"/>	Y	<input checked="" type="radio"/>	N
<input checked="" type="radio"/>	Y	<input checked="" type="radio"/>	N
<input checked="" type="radio"/>	Y	<input checked="" type="radio"/>	*N
<input checked="" type="radio"/>	Y	<input checked="" type="radio"/>	N/A
<input checked="" type="radio"/>	Y	<input checked="" type="radio"/>	N/A
<input checked="" type="radio"/>	Y	<input checked="" type="radio"/>	*N
<input checked="" type="radio"/>	Y	<input checked="" type="radio"/>	N/A
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<input checked="" type="radio"/>	*Y	<input type="radio"/>	N
<input checked="" type="radio"/>	*Y	<input type="radio"/>	N
<input checked="" type="radio"/>	*Y	<input type="radio"/>	N
<input checked="" type="radio"/>	Y	<input checked="" type="radio"/>	N/A
<input checked="" type="radio"/>	*Y	<input type="radio"/>	N
<input checked="" type="radio"/>	*Y	<input type="radio"/>	N

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CITY OF SACRAMENTO  
 NORTH PERMIT  
 CENTER

AUG 09 2005

**RECEIVED**

**Certification of Compliance**  
School District Development

**Part I - To be completed by the APPLICANT**

Owner's Name/Address M Rock + Associates Inc.  
 Project Address 4537 13<sup>th</sup> Ave  
 Parcel Number 014 0283 - 018 Lot No. \_\_\_\_\_  
 Subdivision Name \_\_\_\_\_ No. of Units \_\_\_\_\_  
 Applicant's Signature [Signature] Title Agent  
 Phone No. 116-922-2085 Date 8-25-05

**Notice to Applicant:** Pursuant to Government Code Section 66020(d), this will serve to notify you that the 90-day approval period in which you may protest the fees or other payment identified above will begin to run on the date in which the building or installation permit for this project is issued or on which they are paid to the district(s) or to another public entity authorized to collect them on behalf of the district(s), whichever is earlier.

**Part II - To be completed by the BUILDING DEPARTMENT**

Plan Identification Number 0510598  
 Building Type (check one)  Residential  Apartment/Condominium  Commercial/Industrial  
 Square Feet of Chargeable Building Area 762 sf  
 Signature/Title [Signature] Date 08-02-05  
Building Inspector

**Part III - To be completed by the SCHOOL DISTRICT**

School District WVSD Certificate No. 200  
 Exempt Comments \_\_\_\_\_  
 Residential/Apartment/etc. 116 Square ft. x \$ 220 = \$ 25520  
 Commercial/Industrial \_\_\_\_\_ Square ft. x \$ \_\_\_\_\_ = \$ \_\_\_\_\_  
 Total fees collected..... CA # 5411 12945 = \$ 25520

*This certification covers only the amount of square footage indicated above. Any additions or corrections to the square footage for this project will require an amendment to the Certificate of Compliance.*

*As the authorized school official, I hereby certify that the requirements of Government Code Section 65995 and any other authorized requirements have been complied with by the above signed applicant.*

Signature [Signature] Date 8-25-05

*Whittier Canary School District • Pink Building Department • Goldenrod Applicant*



**CITY OF SACRAMENTO**

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 Sacramento, CA 95814

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 2101 Arena Blvd., Suite 200  
 Sacramento, CA 95834

*Prior to issuance of a permit, the applicant shall complete Part I of this form. Part II and Part III shall be completed by the project Architect/Engineer and the Development Services Department as a part of the plan review process. Before permit issuance, all parties must sign this agreement. Please note that failure to comply with special inspection requirements could be expensive in terms of retrofit design and construction as well as delays in the project.*

**PART I - SPECIAL INSPECTION AND TESTING AGREEMENT**

PROJECT NAME 4537 13th Ave Addition  
 PROJECT ADDRESS " " " "  
 PLAN REVIEW NUMBER 0510598  
 PERMIT NUMBER 0510598  
 OWNER'S NAME M Rock + Associates  
 OWNER'S ADDRESS \_\_\_\_\_  
 OWNER'S REPRESENTATIVE \_\_\_\_\_  
 PHONE NUMBER \_\_\_\_\_

TESTING INSPECTION FIRM(S)	ITEMS
1. FIRM: <u>BROWN &amp; MILLS INC.</u>	<u>PULL TEST</u>
CONTACT PERSON: _____	PHONE #: <u>362-5541</u>
2. FIRM: _____	
CONTACT PERSON: _____	PHONE #: _____

**PART II - SPECIAL INSPECTION AND TESTING AGREEMENT - INSPECTION REQUIRED**

*In accordance with Chapter 17 Section 1701 of the UBC, as adopted by this jurisdiction, SPECIAL INSPECTION is required as noted below:*

PRECONSTRUCTION MEETING: REQUIRED  WAIVED

CODE SECTION	TYPE OF WORK	CONTINUOUS	PERIODIC
1701.5.1	CONCRETE		
1701.5.3	SPECIAL MOMENT - RESISTING CONCRETE FRAME		
1701.5.4	REINFORCING STEEL AND PRESTRESSING STEEL TENDONS		
1701.5	STRUCTURE WELDING		
1701.5.1	GENERAL		
	FIELD STRUCTURAL WELDING		
	SHOP STRUCTURAL WELDING (REQUIRING SPECIAL INSPECTION)		
1701.5.2	SPECIAL MOMENT - RESISTING STEEL FRAMES		
1701.5.3	WELDING OF REINFORCING STEEL		
1701.5.6	HIGH STRENGTH BOLTING		
1701.5.7	STRUCTURAL MASONRY		
1701.5.8	REINFORCED GYPSUM CONCRETE		
1701.5.9	INSULATING CONCRETE FILL		
1701.5.10	SPRAY APPLIED FIREPROOFING		
1701.5.11	PILING, DRILLED PIERS AND CAISSONS		
1701.5.12	SHOTCRETE		
1701.5.13	SPECIAL GRADING, EXCAVATION & FILLING		
1701.5.14	SMOKE CONTROL SYSTEM		
1701.5.15	SPECIAL CASES		
1702	STRUCTURAL OBSERVATION PER SECTION 1702 REQUIRED: YES <input type="checkbox"/> NO <input type="checkbox"/>		
SCC 9.26.1004	FLOOD PROOFING INSPECTION & CERTIFICATION		
OTHER			
SPECIAL INSTRUCTIONS:			



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SPECIAL INSPECTION AND TESTING AGREEMENT

When special inspection is required by Section 1701, the architect or engineer of record shall prepare an inspection program, which shall be submitted, to the Building Official for approval prior to issuance of the building permit. The special inspector shall be employed by the owner (other than owner-builder/developer), the engineer or architect of record, or an agent of the owner, BUT NOT the contractor, or any other person responsible for the work (such as an owner-builder/developer).

The special inspection firm(s) named in Part I have been authorized to perform the special inspection and testing services designated in this agreement, and in accordance with the Uniform Building Code (UBC) requirements, and to report all activities to the Building Official, and other parties as listed. It is understood that special inspections are required in addition to the normal inspections performed by the Building Inspector.

The undersigned hereby affirm, under penalty of law, that the special inspection program is in accordance with the requirements of the UBC and the City of Sacramento.

The undersigned has used all reasonable diligence in completing this form and to the best of his/her knowledge the information contained herein is true and complete. The undersigned hereby certifies under the penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Table with columns: SIGNATURE, PHONE NUMBER. Rows: OWNER / AGENT (Arden Cook, 916 922-2085), ENGINEER.

Need Giller Signature

WARNING: Any person, who certifies under penalty of perjury in any case where certification is permitted by law and willfully states as true any material matter which he or she knows to be false, may be found guilty of perjury and subject to penalties which may include fines or imprisonment under the California Penal Code.

ACCEPTED FOR THE BUILDING DEPARTMENT

PLAN CHECK ENGINEER (Printed):

PLAN CHECK ENGINEER (Signature):

DATE:

INSTRUCTION TO THE SPECIAL INSPECTOR:

- 1. PROVIDE DAILY FIELD REPORTS TO THE BUILDING INSPECTOR ON SITE AS CONSTRUCTION PROGRESSES.
2. A COPY OF ALL SPECIAL INSPECTIONS LABORATORY REPORTS SHALL BE SENT TO THE PLAN CHECK ENGINEER IDENTIFIED ABOVE AND THE ARCHITECT OR ENGINEER OF RECORD.
3. UPON COMPLETION OF SPECIAL INSPECTIONS AND TESTING WORK, PROVIDE THE CITY'S PLAN CHECK ENGINEER WITH A FINAL SPECIAL INSPECTIONS TEST REPORT, WET STAMPED AND SIGNED BY THE RESPONSIBLE PROFESSIONAL ENGINEER.

City of Sacramento  
Development Services Department  
**PLANNING REVIEW FOR BUILDING PERMIT SUBMITTAL**

ADDRESS: 4537 13 <sup>TH</sup> AVENUE	APN: 014-0283-018
DRPB AREA / PUD / SPD: OAK PARK	ZONING: R-1
EXISTING LAND USE: SFR	
PROPOSED USE: 810 square foot addition to an existing SFR	
<b>PLANNING STAFF WILL CHECK ONE OR MORE OF THE ITEMS BELOW:</b>	
<input type="checkbox"/>	Planning review is NOT required.
<input type="checkbox"/>	Use is NOT allowed; applicant CANNOT submit for plan check.
<input type="checkbox"/>	Requires APPLICATION(s): PC      ZA      IR      ER      DR      PB
Required Planning application must be approved <i>before</i> project can be submitted for plan check	
<input type="checkbox"/>	Application(s) IN PROGRESS:    File Number:
Application must be approved before project can be submitted for plan check.	
<input checked="" type="checkbox"/>	Application(s) COMPLETED:    File Number & approval date:    DR05-148 approved May 24, 2005
Building permit must conform to approved plans and comply with all conditions of approval. Do NOT accept applications for a building permit prior to the end of the 10-day appeal period.	
<input checked="" type="checkbox"/>	Plans may be submitted for plan check. Plan checker(s) shall confirm compliance with Zoning Ordinance requirements and all applicable development standards <i>prior to issuance</i> of building permit.
<input checked="" type="checkbox"/>	Meets setback & lot coverage requirements as shown on site plan provided.
<input type="checkbox"/>	Plans to be submitted have been stamped/signed by Planning counter staff.
<input type="checkbox"/>	Route to SITE for plan check and inspection.
<input type="checkbox"/>	Route to SITE for inspection only, plan check not required.
<input type="checkbox"/>	Preliminary review ONLY; the information on this form <b>must be reviewed again and confirmed</b> at the time of building permit submittal.
CONDITIONS AND COMMENTS:    Lot 6,783 sq ft (approx) – Existing SFR & garage 1,490 sq ft (site plan) Proposed addition 810 sq ft – Total=2,300 sq ft = 33% lot coverage. Proposed height is within the 35 foot limit. The proposed addition shall follow the existing interior side-yard setbacks – approx 9 ½ feet on the east side, and approx. 3 feet on the west interior side. The proposed project must comply with all conditions of approval set forth in DR05-148.	
DATE: April 27, 2005	BY: Darryl Wheeler

City of Sacramento  
Development Services Department  
**PLANNING REVIEW FOR BUILDING PERMIT SUBMITTAL**

ADDRESS: 4537 13 <sup>TH</sup> AVENUE	APN: 014-0283-018
DRPB AREA / PUD / SPD: OAK PARK	ZONING: R-1
EXISTING LAND USE: SFR	
PROPOSED USE: 810 square foot addition to an existing SFR	
<b>PLANNING STAFF WILL CHECK ONE OR MORE OF THE ITEMS BELOW:</b>	
<input type="checkbox"/>	Planning review is NOT required.
<input type="checkbox"/>	Use is NOT allowed; applicant CANNOT submit for plan check.
<input type="checkbox"/>	Requires APPLICATION(s): PC      ZA      IR      ER      DR      PB Required Planning application must be approved <i>before</i> project can be submitted for plan check
<input type="checkbox"/>	Application(s) IN PROGRESS: File Number: DR05-148 received 4-27-2005 Application must be approved before project can be submitted for plan check.
<input checked="" type="checkbox"/>	Application(s) COMPLETED: File Number & approval date: DR05-148 May 24, 2005 Building permit must conform to approved plans and comply with all conditions of approval. <del>Do NOT accept applications for building permit prior to the end of the 10-day appeal period.</del>
<input type="checkbox"/>	Plans may be submitted for plan check. Plan checker(s) shall confirm compliance with Zoning Ordinance requirements and all applicable development standards <i>prior to issuance</i> of building permit.
<input checked="" type="checkbox"/>	Meets setback & lot coverage requirements as shown on site plan provided.
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DATE: April 27, 2005	BY: Darryl Wheeler



4537 13<sup>th</sup> AVE PROJECT - REPLACEMENT BEAMS  
SACRAMENTO, CA 95814

# 0510598  
MICROFILM

Description: 4x10 Beam to replace 3-1/2"x9-1/4" 1.7E LSL

Date: 10/20/2005

Span = 14 ft, Horizontal      Ass. 4x 10

Horizontal Shear Stress:

$F_v = F_v C_d$        $F_v = 95$  psi (McK 5-14)  
                          $C_d = 1$  (2-291, UBC2316.6)  
 $V = 1143$  lbs  
 $F'_v = 95$  psi  
**A req'd = 18.04737 in<sup>2</sup>**



Bending Stress:

$F'_b = F_b C_d C_f C_r C_i$        $F_b = 875$  psi (NDS T4A&4D McK 5-14)  
                                  $C_d = 1$   
                                  $C_f = 1.2$   
                                  $C_r = 1$   
                                  $C_i = 1$  (McK 4-12)  
  
                                  $M = 3814$  lb\*ft

**S req'd = 43.58857 in<sup>3</sup>**

Deflection:

Use Formula:  $L/360$   
 $D_{all} = 0.466667$  in  
 $E = 1.6 \times 10^6$  psi (NDS T4A&4D McK 5-14)  
 $D_{all} = 82.65$  in<sup>5</sup>/l  
**I req'd = 177.1071 in<sup>4</sup>**

Compare w/ Section Properties (McKenny 5.4.1, pg. 5-8)

**Feasible Options:**  
Use 4x10 Beam to replace 3-1/2"x9-1/4" 1.7E Timberstrand LSL

Description: 4x12 DF No. 1 Beam to replace 3-1/2"x9-1/4" 1.7E LSL

Date: 10/20/2005

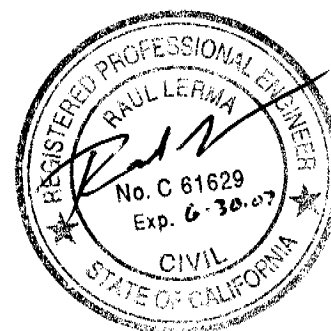
Span = 16 ft, Horizontal Ass. 4x 12

Horizontal Shear Stress:

$F_v = F_v C_d$        $F_v =$  95 psi (McK 5-14)  
                                  $C_d =$  1 (2-291, UBC2316.6)

$V =$  1618 lbs  
 $F_v =$  95 psi

**A req'd = 25.54737 in<sup>2</sup>**



Bending Stress:

$F'_b = F_b C_d C_f C_r C_i$        $F_b =$  1000 psi (NDS T4A&4D McK 5-14)  
                                  $C_d =$  1  
                                  $C_f =$  1.1  
                                  $C_r =$  1  
                                  $C_i =$  1 (McK 4-12)

$M =$  6207 lb\*ft

**S req'd = 67.71273 in<sup>3</sup>**

Deflection:

Use Formula:  $L/240$   
 $D_{all} =$  0.8 in  
 $E =$  1.6 x 10<sup>6</sup> psi (NDS T4A&4D McK 5-14)  
 $D_{all} =$  176.91 in<sup>5/1</sup>

**I req'd = 221.1375 in<sup>4</sup>**

Compare w/ Section Properties (McKenny 5.4.1, pg. 5-8)

**Feasible Options:**  
**Use 4x12 Beam to replace 3-1/2"x9-1/4" 1.7E Timberstrand LSL Raised Flush Beam DF No.1**



# CONSTRUCTION TESTING & ENGINEERING, INC.

ESCONDIDO • TRACY • CORONA • OXNARD • LANCASTER • SACRAMENTO

## INSPECTION REPORT

PAGE \_\_\_ OF \_\_\_

CTE JOB # \_\_\_\_\_

REPORT # \_\_\_\_\_

PROJECT NAME: Residence

ADDRESS: 4537 13th AVE

Sacramento Ca. 95660

ARCHITECT: \_\_\_\_\_

ENGINEER: \_\_\_\_\_

CONTRACTOR: Owner builder

INSPECTION DATE: 10/2/05

PLAN FILE: \_\_\_\_\_

BLDG. PERMIT: 0510598

OTHER: \_\_\_\_\_

INSPECTION	MATERIAL IDENTIFICATION
<input type="checkbox"/> CONCRETE	CONC MIX#/PSI
<input type="checkbox"/> MASONRY	GROUT MIX#/PSI
<input type="checkbox"/> P.T. CONC.	MORTAR TYPE/PSI
<input type="checkbox"/> FIELD WELD	REBAR GRADE
<input type="checkbox"/> SHOP WELDING	STR. STEEL
<input type="checkbox"/> PILE DRIVING	H.S. BOLT
<input type="checkbox"/> BATCH PLANT	MAS. BLOCK
<input checked="" type="checkbox"/> EXP. ANCHOR	ELECTRODE
<input type="checkbox"/> OTHER	

### MATERIAL SAMPLING

- CONCRETE   
 MORTAR   
 GROUT   
 FIREPROOFING   
 MASONRY BLOCK   
 REBAR  
 STRUCTURAL STEEL   
 BOLTS

### INSPECTION PERFORMED, JOB PROBLEM, MATERIAL IDENTIFICATION, PROGRESS, WORK REJECTED, REMARKS

Conducted Pull tests @ Two locations South wall  
Mid-structure embedded 5/8" #11 thread tested in  
accordance with ICBO ES report # ER-5279  
all testing conforms.

Paid Cod ct# 6310

Certification of Compliance: All work, unless otherwise noted, complies with the approved plans and specifications and the uniform building code.

NAME: (PRINT) Terry Hoopense

SIGNATURE \_\_\_\_\_

CERTIFICATION NO: 105375B-88

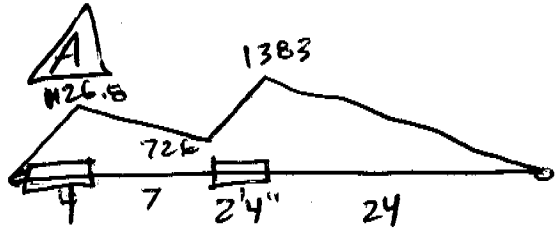
**GEOTECHNICAL & CONSTRUCTION ENGINEERING TESTING & INSPECTION**

3628 MADISON AVE., SUITE 22, N. HIGHLANDS, CA 95660 (916) 331-6030 FAX (916) 331-6037

ADDENDUM TO LATERAL ANALYSIS FOR 4537 13<sup>TH</sup> AVE,  
CALCS DATED 7-11-05; WIND CALCULATIONS (pg 10)

CHANGE:  $L_w = 28''$   
(2'4")

$$V_{max} = \frac{V}{L_w} = \frac{2149 \text{ lbs}}{(6'4'')} = 339 \text{ plf}$$

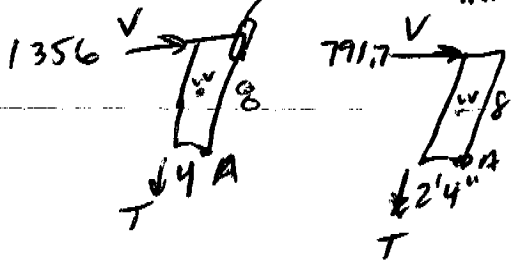


MAX DRAG = 1383<sup>#</sup>  
2x4 TOP PLATE OK

$$V_{roof} = \frac{V}{L_r} = \frac{2149}{37.5'} = 57.3 \text{ pcf}$$

∴ 7/16" C-C-C-D SHEATHING  
w/ 8d's @ 6" OC EDGE &  
12" OC FIELD

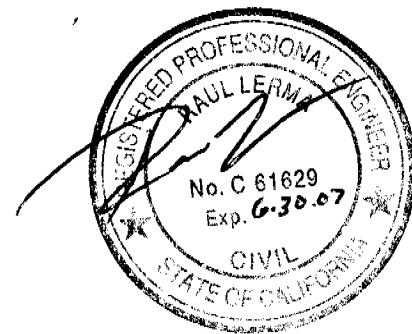
USE MST48 SIMPSON STAMP AT TRIMMER w/ min 32-16d's  
MAX LOAD 3370# > 2552# OK

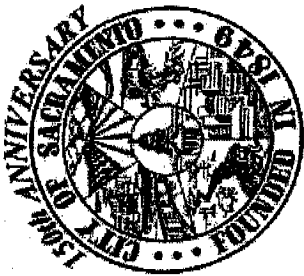


$$T = C = \frac{1356 \cdot 8 - 10(8)(4)(\frac{4}{2})}{4} = \frac{2552}{4} = 2552 \#$$

$$T = C = \frac{791.7 \cdot 8 - 10(8)(2'4'')(\frac{2'4''}{2})}{2'4''} = 2621 \#$$

∴ USE 3/8" STRUCTURAL I SHEATHING w/ 8d NAILS @  
4" OC EDGE & 12" OC FIELD w/ min. 1 1/2" NAIL PENETRATION;  
USE 5/8" TYPED ROD ANCHORS (w/ min embed) MINIMUM  
LENGTH OF 5" INTO EXIST FOUNDATION USING SIMPSON SET ADHESIVE,  
WITH HT16 HOLD-DOWNS, USE CNW 5/8 FOR EXTENDING ANCHOR  
BOLTS.





DATE: 7/19/05

CITY OF SACRAMENTO  
DEVELOPMENT SERVICES DIVISION  
FAXED PERMIT APPLICATION (certain restrictions apply)  
Fax # 916-264-1901

Faxed request must be received in this office by 3:00 p.m. to be processed the following work day.  
Note: Contractors must have a current certificate of Worker's Compensation Insurance.

Note: Work started before a Building Permit is issued will be subject to quad fee

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

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

JOB ADDRESS: 4537 1314 AVE

UNIT #  CONTRACT PRICE \$

CONTACT PERSON: ANDREW COOK

Contractor: License #

Address:

City/State/Zip:

Phone: FAX:

Property Owner: HEAVEN INVESTMENTS  
Address: 1828 TRIBUTE BLVD 376. K  
City/State/Zip: SACRAMENTO, CA. 95815  
Phone: (916) 922-2085

NATURE OF REQUEST: Indicate from the selections below & provide details under description of work.

<input type="checkbox"/> REROOF (excluding tile) <input type="checkbox"/> TEAR-OFF <input type="checkbox"/> RESHEET <input type="checkbox"/> HOUSE <input type="checkbox"/> GARAGE # SQUARES: _____ Material: <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 Note: Design Review approval may be required in certain areas.	<input type="checkbox"/> HVAC INSTALLATIONS (residential ONLY) <input type="checkbox"/> CHANGE-OUT <input type="checkbox"/> NEW <input type="checkbox"/> Heat Pump <input type="checkbox"/> Package <input type="checkbox"/> Split system <input type="checkbox"/> Roof mount <input type="checkbox"/> Cut-in <input type="checkbox"/> Heat pump or elect. unit to gas. <input type="checkbox"/> Wall furnace <input type="checkbox"/> Other (describe below) Value of duct work: _____ Equipment: \$ _____ Cut-in: \$ _____ Note: Design Review approval may be required for rooftop unit.	<input type="checkbox"/> WATER HEATER (residential ONLY) <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 (Describe locations below) Note: Design Review approval may be required in certain areas.	<input type="checkbox"/> MINOR ELECTRIC and/or MINOR PLUMBING (residential ONLY) <input type="checkbox"/> Electric Service Change # amps <input type="checkbox"/> New electric circuits <input type="checkbox"/> Re-wire <input type="checkbox"/> Water Service Replacement <input type="checkbox"/> Sewer Service Replacement <input type="checkbox"/> Gas Line Replacement <input type="checkbox"/> Re-plumb <input type="checkbox"/> Water <input type="checkbox"/> Waste	<input type="checkbox"/> PUBLIC UTILITIES SAFETY-INSPECTION* (Residential and single apartment units ONLY) <input type="checkbox"/> SMUD <input type="checkbox"/> PGE *NOTE: Correction Notice items will require an additional building permit
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DESCRIPTION OF WORK:

760 SF Addition of rear

PD: 07/19/2005 042 DLB  
DATE: 07/19/2005 2:03PM 00006525  
PMT#: 0510598 SHT RES BLD PT  
0204PLAN CK-RESID.L  
PC \$218.00  
CHANGE \$218.00