1341 ATCHISON

DOG

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUILDING AND SAFETY / LAND DEVELOPMENT

SAN GABRIEL VALLEY # 0500
125 BALDWIN
ARCADIA CA 91007
PHONE: (626) 574-0941 EXT:

BUILDING PERMIT
ALTERATION/REPAIR
BL 0500 0102220033
DUPLICATE

(REAR GATE BY DRIVEWAYS)

LEGAL ID:
TR: 1345 LT: 28 UN: .004

ASSESSOR INFORMATION NUMBER:
5850-006-015

TENANT:

OWNER: TEL. NO:
SHARAR, GENE -
1341 ATCHISON ST
PASD 911041419

APPLICANT: TEL. NO:
GREG SYLVIS GENERAL CONTRACTOR -

CONTRACTOR: TEL. NO:
GREG SYLVIS GENERAL CONTRACTOR (626) 449-6118-
500 BELLMORE WAY LIC. NO
PASADENA, CA. 91103 443627 B

ARCHITECT OR ENGINEER: TEL. NO:
-
LIC. NO:

MAP NO: SEWER MAP BOOK: PAGE: FIRE ZONE: CMP:
2250 3 01

NO. OF FAMILIES: DWELLING UNITS: APT/COND: STAT CLASS:
NO 21

| AIR QUALITY: | SCHOOL WITHIN 1000 FEET | HAZARDOUS MATERIALS |
|---|---|---|
| NO | NO | NO |

| REQUIRED SET BACK | YARD: | HWY: | TOTAL SETBACK FROM PROP LINE: | EXIST WIDTH: |
|---|---|---|---|---|
| FRONT PL- | | | | |
| SIDE PL- | | | | |

| STRUCTURE: | SQ. FT | NO. OF STORIES | CONST TYPE |
|---|---|---|---|
| | | | VN |

EXIST BLDG USE: RESID USE ZONE: R-1
EXIST OCC GRP:

BLDGS. NOW ON LOT: VALUATION: 3,100

FEES PAID

| FEE DESCRIPTION: | QUANTITY: UOM: | AMOUNT: |
|---|---|---|
| AA BLDG PERMIT ISSUANCE | | 20.00 |
| AC STRONG MOTION RESID | 3100.00 VAL | 0.50 |
| AX BUILDING REVIEW FEE | | 58.90 |
| D2 PERMIT W/O EN-HC | 3100.00 VAL | 83.20 |
| TOTAL FEES | | 162.60 |

REPORT ID: DPR261 ROUTE TO: BS0500

BUILDING ADDRESS:
1341 ATCHISON ST
PASD CA 911041419
NEAREST CROSS STREET: ~~HILL~~ HOLLISTON
THOMAS PAGE: 536 GRID: B7 LOCALITY: PASADENA

| ISSUED ON: | PROCESSED BY: | EXPIRES ON: |
|---|---|---|
| 02/22/01 | DS | 08/21/01 |

FINAL DATE FINAL BY: CODE:
3-20-2001 K Smith

DESCRIPTION OF WORK
REPAIR CHIMNEY PER ENGINEER DETAILS
CHIMNEY UNDER OAK TREE!

SPECIAL CONDITIONS:
(PLANS APPROVED BY H.T.)

| APPROVALS | DATE | INSPECTOR SIGNATURE |
|---|---|---|
| LOCATION AND SETBACKS | | |
| BOND BEAM | 2-23-2001 | K Smith |
| SOILS ENGINEER APPROVAL | | |
| FOUNDATION/TRENCH FORMS | | |
| SLAB/UNDER FLOOR | | |
| RAISED FLOOR FRAMING | | |
| UNDERFLOOR INSULATION | | |
| FLOOR SHEATHING | | |
| ROOF SHEATHING | | |
| SHEAR PANELS | | |
| FRAME ~~INSPECTED~~ | 2-28-2001 | APPROVED BY H.T. |
| FIRE SPRINKLER HANGERS | | |
| INSULATION/WEATHER STRIP | | |
| INTERIOR LATH/DRYWALL | | |
| EXTERIOR ~~LATH~~ WONDER BOARD | 3-2-2001 | APPROVED BY H.T. |
| RATED FLOOR/CEIL ASSEM. | | |
| RATED WALL ASSEMBLIES | | |
| RATED SHAFTS/OPENINGS | | |
| T-BAR CEILINGS | | |
| LOT DRAINAGE | | |
| | | |

LOS ANGELES COUNTY PUBLIC WORKS Public Service That Works

## LICENSED CONTRACTOR'S 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 _____ Lic. No. _____

_____ _____

Contractor's Signature Date

## OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I am exempt under Sec. _____ , B.& P.C. for this reason:

_____

_____

### [ Electrical, Plumbing & Sewer Permits Only ]

☐ I, as owner of the property, will do the work, and the structure is not intended or offered for sale (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 does such work himself or herself, 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 or she did not build or improve for the purpose of sale.).

### [ All Other Permits ]

☐ I, as 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 Professions 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 or 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 or 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.).

_____ _____

Owner Signature Date

## 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 worker's compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain worker's compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My worker's compensation insurance carrier and policy number are:

Carrier _____

Policy Number _____

☐ 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 worker's compensation laws of California, and agree that if I should become subject to the worker's compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

_____ _____

Applicant Signature Date

*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 FEES.*

## LOBBYIST ORDINANCE CERTIFICATION

**[ Complete this section for permits in unincorporated Los Angeles County only ]**

This is to certify that I, as permit applicant, am familiar with the requirements of Los Angeles County Code Chapter 2.160 et seq., (relating to the Los Angeles County Lobbyist Ordinance) and that all persons acting on behalf of myself complied and will continue to comply therewith through the application process.

_____ _____

Applicant (Print Name) Applicant Signature

_____ _____

Company Name (if employed by an entity/agency) Date

JOB ADDRESS

LOCALITY

## HAZARDOUS MATERIAL DECLARATION

Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal to or greater than the amount specified on the hazardous materials information guide?

Yes ☐ No ☐

Will the intended use of the building by the applicant or future building occupant require a permit for construction or modification from the South Coast Air Quality Management District (SCAQMD)? See permitting checklist for guidelines.

Yes ☐ No ☐

I have read the hazardous materials information guide and the SCAQMD permitting checklist, I understand my requirements under the Los Angeles County Code Title 2, Chapter 220 Sections 220.100 through 220.140 concerning hazardous material reporting and for obtaining a permit from the SCAQMD.

## ASBESTOS NOTIFICATION

☐ Notification letter sent to SCAQMD or EPA

☐ I declare that notification of asbestos removal is not applicable to addressed project.

## 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 _____

*I certify that I have read this application and state under the penalty of perjury that the above information is correct. I agree to comply with all City and County ordinances and State laws relating to building construction, and hereby authorize representatives of this County to enter upon the above-mentioned property for inspection purposes.*

_____ _____

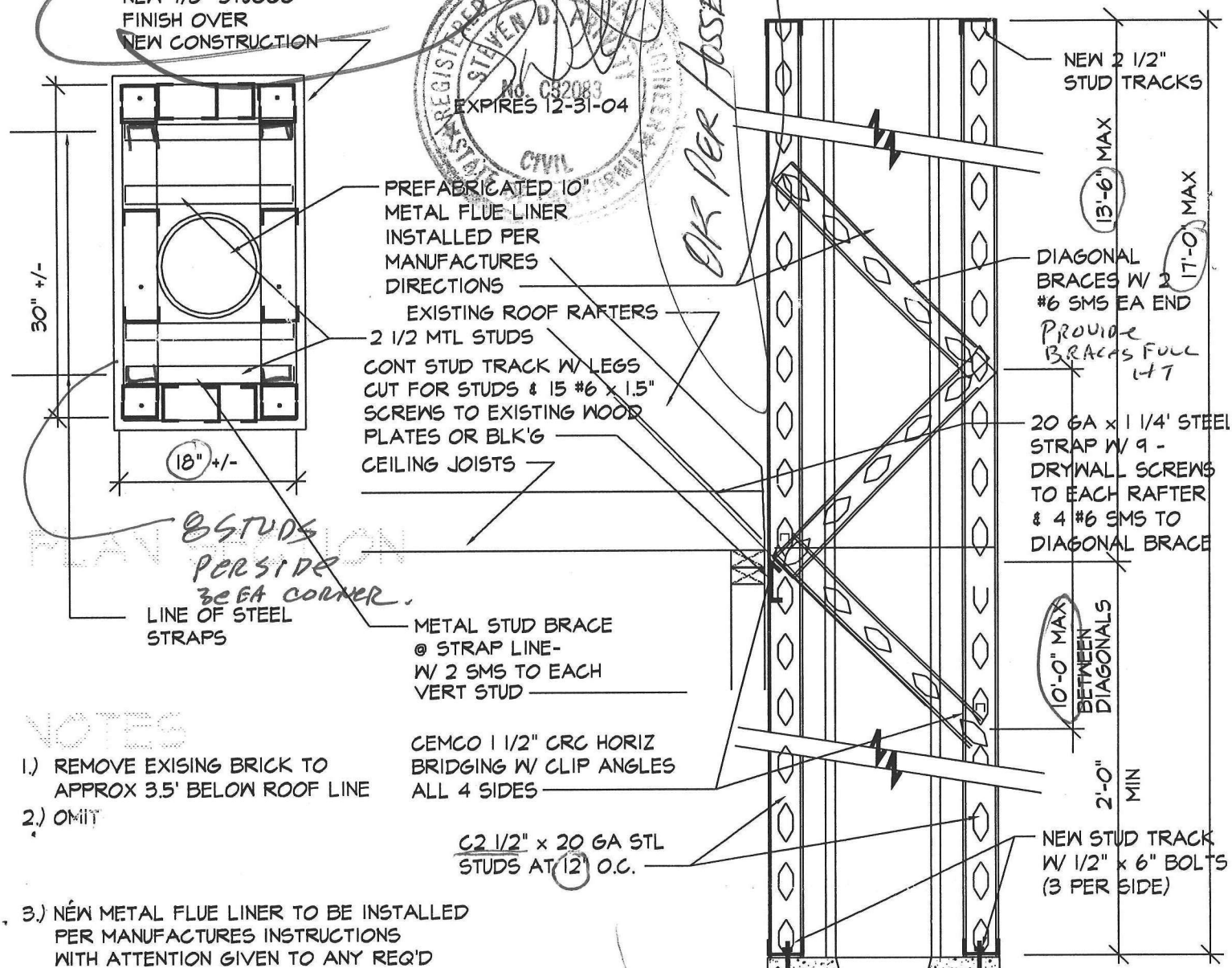
**Applicant or Agent Signature** **Date**

| PROJECT | S. PRIVETT & ASSOC | SHEET NO |
|---|---|---|
| GENE SHARAR RESIDENCE<br>1341 ATCHISON STREET<br>PASADENA, CALIFORNIA | CONSULTING ENGINEERS<br>CIVIL & STRUCTURAL ENGINEERING | CH-1 |
| ITEM | 3579 East Foothill Boulevard, Suite 440, Pasadena, CA 91107<br>ph (626) 796-3593 fax (626) 351-6276 | JOB NO. 217-000 |
| CHIMNEY REPAIR | | DATE 2-20-01 |
| | | ENGINEER STEVE P. |

WONDERBOARD?

REGISTERED PROFESSIONAL ENGINEER STEVEN D. PRIVETT No. C32083 EXPIRES 12-31-04 CIVIL

OK PER JOSEPH




NOTES

1.) REMOVE EXISING BRICK TO APPROX 3.5' BELOW ROOF LINE
2.) OMIT
3.) NEW METAL FLUE LINER TO BE INSTALLED PER MANUFACTURES INSTRUCTIONS WITH ATTENTION GIVEN TO ANY REQ'D CLEARANCES FROM FRAMING.
4.) ALL NEW FRAMING TO BE C 2 1/2" x 20 GA STEEL STUDS CONFORMING TO ASTM A611
5.) PROVIDE BRIDGING BETWEEN ALL STUDS AT INTERVALS NOT TO EXCEED 48" UNLESS STUCCO OR DRYWALL IS APPLIED.
6.) PROVIDE APPROVED SPARK ARRESTOR OF 12 GA WIRE W/ MAX OPENING OF 1/2"
7.) CHIMNEY SHALL PROJECT 24" MIN ABOVE ALL PORTIONS OF ROOF WITHIN 10 FEET
8.) MAXIMUM UNBRACED LENGTH OF ANY STUD SHALL BE 7'-9"
9.) METAL FLUE BY SELKIRK METALBESTOR UL#MH6673

SITE PLAN APPROVED BASED ON REVIEW OF INFORMATION SUBMITTED AND IS CONDITIONAL UNTIL VERIFIED BY THE FIELD INSPECTOR.
DATE 2/22/01 BY HT

REQUIRED INSULATION
CEILINGS R____
WALLS R____
RAISED FLOORS R____

BL0102220033

| PROJECT | S. PRIVETT & ASSOC | SHEET NO 1 |
|---|---|---|
| Gene Sharar Residence<br>1341 Atchison Street<br>Pasadena, California | CONSULTING ENGINEERS<br>CIVIL & STRUCTURAL ENGINEERING | JOB NO. 217-000 |
| ITEM<br>Chimney Repair | 3579 E. Foothill Blvd., Suite 440, Pasadena, CA 91107<br>ph (626) 796-3593 fax (626) 351-6276 | DATE 2-20-01<br>ENGINEER Steve P |

**Scope:** New metal chimney from shoulder of existing brick chimney
**Drawings By:** S. Privett & Assoc.
**Design Code:** 1997 edition of Uniform Building Code
**Juristiction:** Los Angeles County

Design Loads

Lateral Loads

Wind Loads -- Basic wind speed -- 70 mph & exposure B

$q_s := 12.6$ $C_q := 1.4$ $I := 1$ $C_{e24} := .71$

$w_{top} := (q_s \cdot C_{e24} \cdot C_q \cdot I)$ $w_{top} = 12.524$ $w_{design} := 13$ psf

STUD DESIGN (studs span between diagonal web members)

$L := 10.0$ ft spacing $s := 1.0$ ft on center

$w_{horiz} := w_{design} \cdot s$ $w_{horiz} = 13$ $R_{horiz} := w_{horiz} \cdot \frac{L}{2}$ $w_{horiz} = 13$ plf

$M := w_{horiz} \cdot \frac{L^2}{8}$ $M = 162.5$ ftlbs $S_{req} := M \cdot \frac{12}{F_b}$ $S_{req} = 0.073$ $in^3$

exterior finish is stucco, therefore limit deflection to L/240 between diagonal braces

$I_{req} := \frac{w_{horiz} \cdot 22.5 \cdot L^4}{E \cdot L \cdot \frac{12}{240}}$ $I_{req} = 0.1983$ $in^4$ Consider using C2 1/2 x 20 ga steel studs @ 12" o.c.

allowable stresses

$F_y := 33000$ psi

$F_b := 20000 \cdot 1.333$ psi

$E := 29.5 \cdot 10^6$

Cemco 250ECS20P

$A := .192$ $in^2$

$I_x := .217$ $in^4$

$S_x := .171$ $in^3$

Check chimney as a complete unit 30" x 18" x 15'3" high $b := 30$ in $b_1 := b - 5.0$ $d := 18$ in $d_1 := d - 5.0$ $H := 16.25$ft

Chimney Properties

$I := 8 \cdot I_x \cdot 2 + A \cdot 8 \cdot 6.75^2 \cdot 2$ $I = 143.44$ $in^4$ $S := \frac{I}{\left(\frac{d}{2}\right)}$ $S = 15.938$ $in^3$

Check deflection of entire shaft $\frac{w_{design} \cdot \frac{b}{12} \cdot 13.75^3}{24 \cdot E \cdot I} \cdot (4 \cdot 2.5 + 3 \cdot 13.75) \cdot 1728 = 0.005$in x 13.75 = .05 in

$M := w_{design} \cdot \frac{b}{12} \cdot \frac{L^2}{2}$ $M = 1625$ ftlbs $f_b := M \cdot \frac{12}{S}$ $f_b = 1223.508$ psi

$\Delta_{all.} = \frac{L}{240} = 1$"

$f_a := f_b + \frac{10 \cdot s \cdot H}{A}$ $f_a = 2069.862$ $F_a := 19800$ psi C2 1/2" x 20 ga studs @ 12" o.c. ok

Check tie at strap to roof rafters

$T_{straps} := \frac{w_{design} \cdot \frac{b}{12} \cdot H^2}{2 \cdot 2.17}$ $T_{straps} = 1977.427$ lbs Use 2 20 ga straps w/ 4 #6 SMS to chimney & 9 screws to each joist

Check force to top of remaining masonry structure $F_{horiz} := w_{design} \cdot \frac{b}{12} \cdot H - T_{straps}$ $F_{horiz} = -1449.302$

Seismic overturning still higher than wind overturning, therefore horiz wind loads have no design impact

Check max stress to interior diagonal web member

$F := w_{design} \cdot s \cdot H \cdot 1.414$ $F = 298.707$ lbs #6 sms good for 265 # each in 20 material, therefore ok w/ 2 screws

Check wind load vs seismic for overall design. Assume stucco & wonderboard @ 12 psf

$12 \cdot 2 \cdot .3 = 7.2$ psf < $w_{design}$