

CITY OF SACRAMENTO

1231 I Street, Sacramento, CA 95814

Permit No: 0313099

Insp Area: 2

Thos Bros: 336 H1

Site Address: 16 SAGE RIVER CR SAC

Sub-Type: RES

Parcel No: 031-0770-067

1/2 PLEX W/581 CORK RIVER WAY PN 0313098 Housing (Y/N):

N

CONTRACTOR

CAL-VINTAGE ROOFING CO
11257 COLOMA RD STE A-1
GOLD RIVER CA 95670

OWNER

SWANSON SUSAN
16 SAGE RIVER CIR
SACRAMENTO CA 95831

ARCHITECT

Nature of Work: 1/2 PLEX REROOF- tear off, resheet, install 25sq of light weight tile

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: 813635 Date: 8/29/03 Contractor Signature: [Signature]

OWNER-BUILDER DECLARATION: I hereby affirm under penalty of perjury that I am exempt from the contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code; any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500.00);

I, as a owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his/her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he/she did not build or improve for the purpose of sale.)

AUG 29 2003

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).

CITY OF SACRAMENTO
PLANNING AND DEVELOPMENT

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: 8/29/03 Applicant/Agent Signature: [Signature]

WORKER'S COMPENSATION DECLARATION: I hereby affirm under penalty of perjury one of the following declarations:

I have and will maintain a certificate of consent to self-insure for workers' compensation as provided for by Section 3700 of the Labor Code, for the performance of work for which the permit is issued.

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

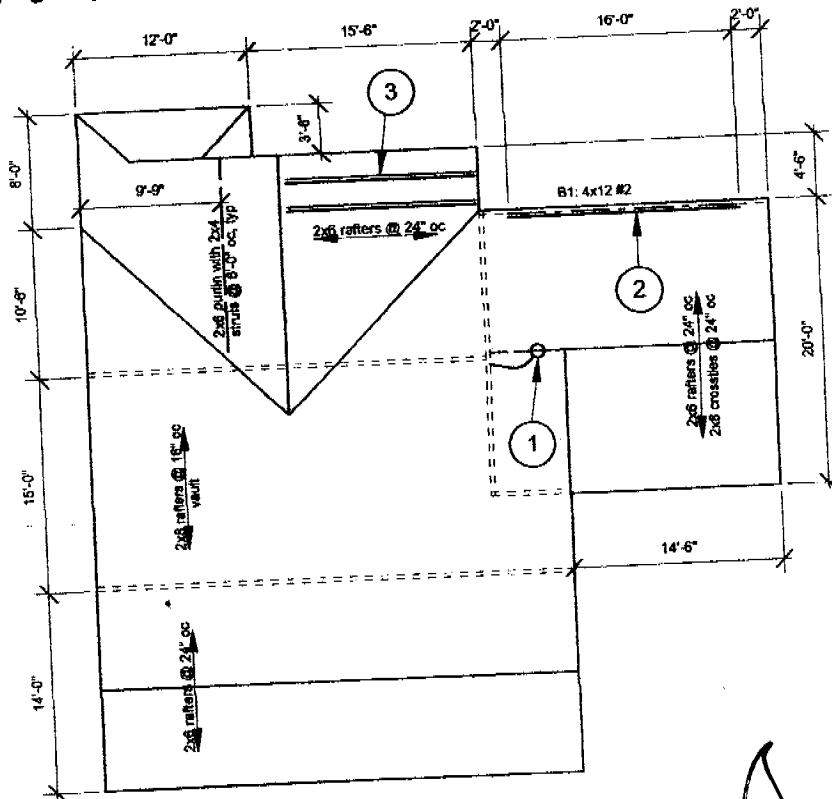
Carrier STATE FUND Policy Number 285-0002364 Exp Date 03/01/2004

(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.

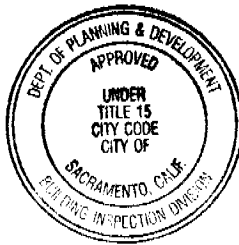
Date: 8/29/03 Applicant Signature: [Signature]

WARNING: FAILURE TO SECURE WORKER'S COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000) IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST AND ATTORNEY'S FEE.

CITY COPY

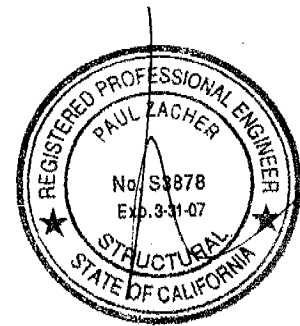


Paul Zacher
8/29/03



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 excuse the violation of any City Ordinance or State Law.



FRAMING NOTES:

1. Add a 2x4 strut to bearing below (total 1).
3. Scab a 1 3/4" x 11 1/4" LVL to the existing 4x12 beam. See detail 2.
4. Scab a 2x6 to existing 2x6 rafters where the span is greater than 12'-0" (total 2).

Notes:

- A. This is a reroof project. The new roofing material shall be a Light Weight Concrete Tile. The tile shall weigh less than or equal to 7.3 psf.
- B. All rafters are 2x6 DF#2 and hips and valleys are 2x8 DF#2 unless otherwise noted.
- C. All existing rafter, hips, valleys, rafter ties, and purlins are braced per UBC Section 2320.1 "Roof and Ceiling Framing" unless otherwise shown.
- D. All structural wood members that were observed appear to be in sound condition and without structural defect.



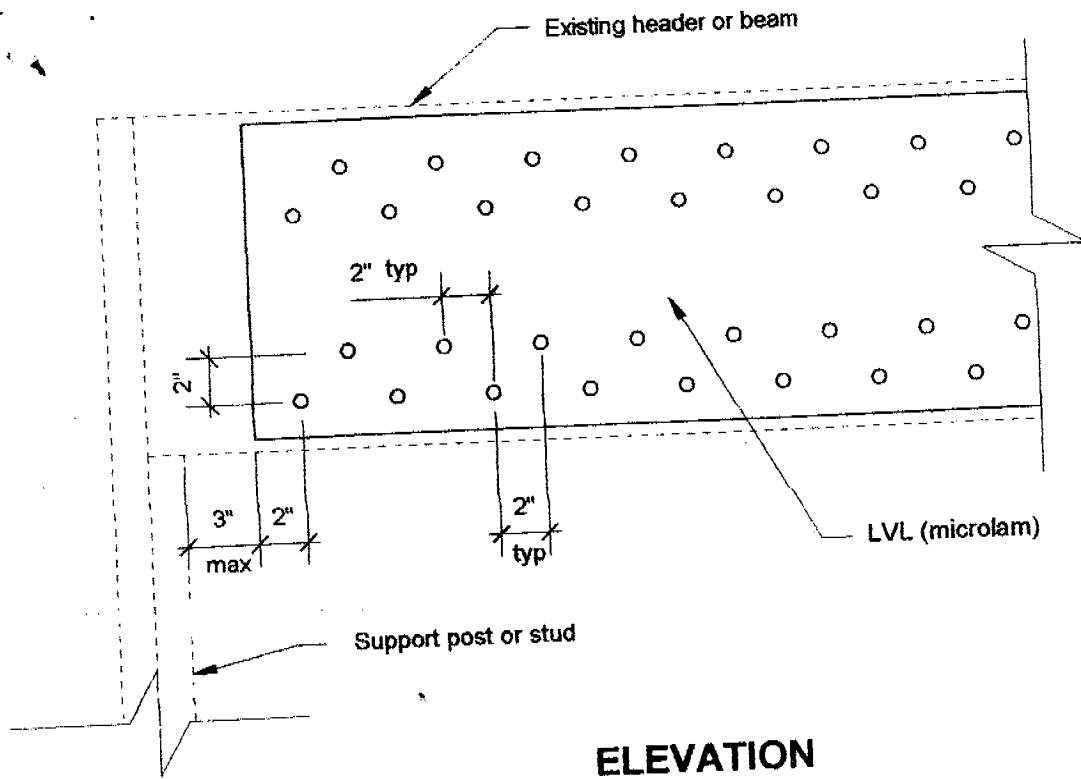
ROOF PLAN - SWANSON

Not to Scale

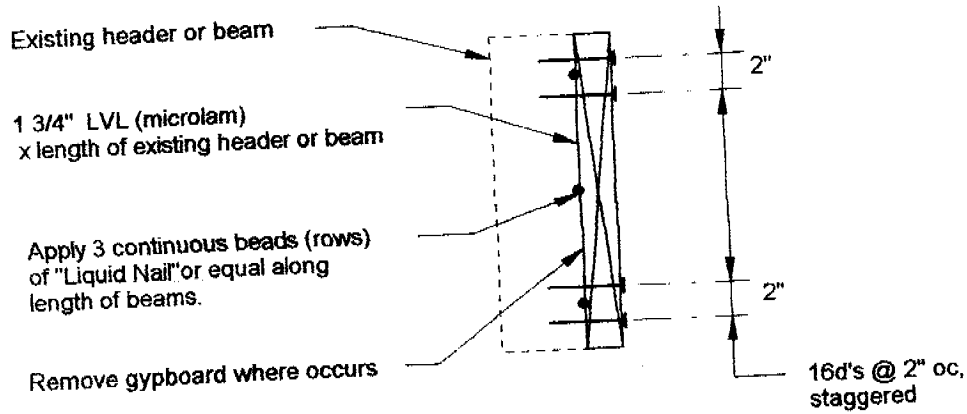
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Sacramento Building Division



ELEVATION



SECTION

2

HEADER DETAIL

scale: 1 1/2" = 1'-0"

7

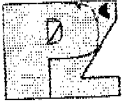


ISSUED

AUG 2 8 2003

Sacramento Building Division

Swanson



Paul Zacher - Structural Engineers, Inc.
4701 Lakeside Way
Fair Oaks, CA 95628

TEL: 916.961.3960
FAX: 916.961.6552

RECOMMENDATIONS:

If any of the following recommendations do not correspond to actual field conditions, the engineer of record shall be notified for further investigation and evaluation before continuing work.

Roof Structure:

1. Provide a 2x4 strut from the existing purlin to the bearing wall below. The unbraced length of the struts shall not exceed 8'-0" and the minimum slope of the struts shall not be less than 45 degrees from the horizontal. See detail 1.
2. Scab a 1 3/4" x 11 1/4" LVL to the existing header. See details 1 and 2.
3. Scab a 2x6 rafter to the existing 2x6 rafters with 16d's @ 12" on center where the span is greater than 12'-0". The rafter to be scabbed to the existing rafter may be held short of the intersecting bearing wall, hip, valley, ridge or purlin by no more than 4". See detail 1.

It shall be noted that small hairline cracking may occur at exterior stucco and interior gypboard finished walls that are load bearing or distributing roof strut loads. These cracks are a natural occurrence as the existing structure re-distributes the new roof weight. They are cosmetic in nature and are not an indication of a structural hazard or failure.

It shall be noted that some deflection of the rafters may be evident after installation of the tile. The existing roof framing has deflected but this may not be readily evident due to the uneven nature of the existing roofing material. Concrete tile is a very consistent and uniform product and when installed in an even plane, even small deflections can become apparent. This is only a cosmetic issue and not a structural concern.

The inspection consisted of visual observation only, made solely to determine the structural capacity of the existing roof. Analysis does not determine any effects on the overall structure under lateral forces or effects on the foundation unless specifically noted in the calculations and in this document. No warranties, expressed or implied, are made or intended in conjunction with this report. The inspection was made only to the portions that were accessible. The specific items noted were those that were observable and there may be defects that are not observable, or are hidden by architectural and structural materials.

If you have any questions on the above, do not hesitate to call.

Sincerely,

Paul Zacher, P.E., S.E.
file

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DESIGN LOADING:

Roof Pitch 6 in 12
Pitch Adjustment Factor 1.12

LOCATION: ROOF

<u>MATERIAL</u>	<u>WEIGHT</u>	
Light Weight Tile	7.30	psf
Roofing felt	0.30	psf
1x4 skip sht'g	1.09	psf
7/16" OSB/ plywood	1.30	psf
2x6 rafters @ 24" oc	<u>1.00</u>	psf
	Load	11.0 psf
	Roof Pitch Adjustment	<u>1.30</u> psf
	Total Load	12.3 psf

LOCATION: VAULT

<u>MATERIAL</u>	<u>WEIGHT</u>	
Light Weight Tile	7.30	psf
Roofing felt	0.30	psf
1x4 skip sht'g	1.09	psf
7/16" OSB/ plywood	1.30	psf
2x8 rafters @ 16" oc	1.99	psf
Batt/blown insul	0.50	psf
1/2" Gypboard	<u>2.50</u>	psf
	Load	15.0 psf
	Roof Pitch Adjustment	<u>1.77</u> psf
	Total Load	16.7 psf

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AUG 29 2003

Sacramento Building Division

Paul Zacher - Structural Engr's
 4701 Lakeside Way
 Fair Oaks, CA 95628
 TEL: (916) 961-3960
 FAX: (916) 961-6552

Title :
 Dsgnr:
 Description :
 Scope :

Job #
 Date: 6:22PM, 28 JUL 03

Rev: 560100
 User: KW-0602844, Ver 5.6.1, 25-Oct-2002
 (c)1983-2002 ENERCALC Engineering Software

Timber Beam & Joist

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Description RAFTERS AND BEAMS

Timber Member Information Calculations are designed to 1997 NDS and 1997 UBC Requirements

Timber Section		rafter 2x6	rafter 2-2x6	vault 2x8	B1 4x12#2 + 1
Beam Width	in	1.500	3.000	1.500	5.250
Beam Depth	in	5.500	5.500	7.250	11.250
Le: Unbraced Length	ft	0.00	0.00	0.00	0.00
Timber Grade		Douglas Fir - Larch	Douglas Fir - Larch	Douglas Fir - Larch	Custom, DF#2 + LVL
Fb - Basic Allow	psi	875.0	875.0	875.0	1,450.0
Fv - Basic Allow	psi	95.0	95.0	95.0	158.0
Elastic Modulus	ksi	1,600.0	1,600.0	1,600.0	1,666.7
Load Duration Factor		1.250	1.250	1.250	1.250
Member Type		Sawn	Sawn	Sawn	Manuf/Pine
Repetitive Status		Repetitive	Repetitive	Repetitive	No

Center Span Data

	ft	12.00	15.00	15.50	16.00
Span	ft				
Dead Load	#/ft	24.60	24.60	22.30	123.00
Live Load	#/ft	32.00	32.00	21.30	160.00

Results Ratio = 0.9887 0.7724 0.7922 0.5414

Mmax @ Center	in-k	12.23	19.10	15.71	108.67
@ X =	ft	6.00	7.50	7.75	8.00
f _b : Actual	psi	1,616.6	1,263.0	1,195.7	981.3
f _b : Allowable	psi	1,635.2	1,635.2	1,509.4	1,812.5
		Bending OK	Bending OK	Bending OK	Bending OK
f _v : Actual	psi	57.3	36.4	43.3	51.1
f _v : Allowable	psi	118.8	118.8	118.8	197.5
		Shear OK	Shear OK	Shear OK	Shear OK

Reactions

@ Left End	DL	lbs	147.60	184.50	172.82	984.00
	LL	lbs	192.00	240.00	165.07	1,280.00
	Max. DL+LL	lbs	339.60	424.50	337.90	2,264.00
@ Right End	DL	lbs	147.60	184.50	172.82	984.00
	LL	lbs	192.00	240.00	165.07	1,280.00
	Max. DL+LL	lbs	339.60	424.50	337.90	2,264.00

Deflections Ratio OK Deflection OK Deflection OK Deflection OK

Center DL Defl	in	-0.345	-0.421	-0.380	-0.175
L/Defl Ratio		417.5	427.5	489.5	1,099.1
Center LL Defl	in	-0.449	-0.548	-0.363	-0.227
L/Defl Ratio		320.9	328.7	512.5	844.9
Center Total Defl	in	-0.794	-0.969	-0.743	-0.402
Location	ft	6.000	7.500	7.750	8.000
L/Defl Ratio		181.5	185.8	250.4	477.7

4

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 AUG 29 2003
 Sacramento Building Division

P.K. Zacher, S.E.

4701 Lakeside Way
Fair Oaks, CA 95628
TEL: (916) 961-3960
FAX: (916) 961-6552

Job #: 03_305

Date: 07/28/2003

LOADING:

Rafter

$Dr = 12.3 \text{ psf} \times 2'-0" = 24.6 \text{ plf}$

$Lr = 16.0 \text{ psf} \times 2'-0" = 32.0 \text{ plf}$

2x6 #2

24.6 / 32.0

12'-0"

Rafter

$Dr = 12.3 \text{ psf} \times 2'-0" = 24.6 \text{ plf}$

$Lr = 16.0 \text{ psf} \times 2'-0" = 32.0 \text{ plf}$

2-2x6 #2

24.6 / 32.0

15'-0"

Vault

$Dr = 16.7 \text{ psf} \times 1'-4" = 22.3 \text{ plf}$

$Lr = 16.0 \text{ psf} \times 1'-4" = 21.3 \text{ plf}$

2x8 #2

22.3 / 21.3

15'-6"

B1

$Dr = 12.3 \text{ psf} \times 10'-0" = 123 \text{ plf}$

$Lr = 16.0 \text{ psf} \times 10'-0" = 160 \text{ plf}$

4 x 12 #2 + 1-3/4" x 11-1/4" LVL

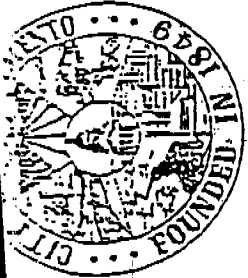
123 / 160

16'-0"

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Sacramento Building Division



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

0313099

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: 16 Sage River Circle Unit # _____ CONTRACT PRICE \$ 13,981

⇒ CONTACT PERSON: BRENT IRICK ⇒ CONTACT PHONE: 998-2316

Property Owner: SUSAN SWANSON License # 813635
 Address: 16 Sage River Circle
 City/State/Zip: SACRAMENTO, CA 95831
 Phone: 916-421-9030
 Contractor: CAL VINTAGE PRE License # 813635
 Address: 11257 COLOMA RD #A-1
 City/State/Zip: GOLD RIVER, CA 95670
 Phone: 635-2320 FAX: 635-2329

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

<input checked="" type="checkbox"/> REROOF (excluding tile) <input checked="" type="checkbox"/> TEAR-OFF RESHEET <input checked="" type="checkbox"/> HOUSE GARAGE # OF SQUARES 25 Material: TILE 525 lbs/sq. <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: \$ _____ Cut-in: \$ _____ Note: Design Review approval may be required for rooftop units.	<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: 16 SAGE RIVER CIRCLE 3 DURA LITE TILE 585 lbs/sq.