

B

Type

23

Docs

4

Plans

BLD04-5528

Building Permit Number (List all associated with these documents)

215

Street Number

BOHEMIAN HWY

Street Name

TW1

Community Code

073-120-021

APN

Please Print
Your Name:

Date
Applied:

INFORMATION WITHIN HEAVY LINE TO BE COMPLETED BY APPLICANT

SITE LOCATION INFORMATION - PRINT CLEARLY Site Address: <u>215 Bohemian Highway</u> Cross-Street: <u>093-120-021</u> City: <u>Bohemian Hwy</u> ZIP: <u>95471</u> Directions: <u>093-120-021</u> Describe Project: <u>Rebuild existing house to brick of, mazel, new foundation close to existing pool</u> Living Area: <u>352 sq ft</u> Garage: <u>1</u> Decks: <u>1</u> Contract Price: <u>75,000</u>		Project Phone #: () Project Fax #: () Subd. Name: <u>352 sq ft</u> Unit #: <u>1</u> Lot #: <u>1</u>
OWNER NAME AND ADDRESS Name: <u>Tom & Deborah Newell</u> Mailing Address: <u>215 Bohemian Hwy</u> City: <u>Firestone</u> State: <u>CA</u> ZIP: <u>95471</u> Day Ph: () Fax: ()		APPLICANT NAME AND ADDRESS Name: <u>Steph Thistle</u> Mailing Address: <u>20 Box 87</u> City: <u>Firestone</u> State: <u>CA</u> ZIP: <u>95471</u> Day Ph: () Fax: ()
CONTRACTOR INFORMATION Company Name: <u>Thistle Const</u> Address: <u>20 Box 87</u> City: <u>Firestone</u> State: <u>CA</u> ZIP: <u>95471</u> Day Ph: <u>(707) 632-5506</u> Fax: <u>(707) 632-5081</u>		OTHER PERSONS (ARCHITECT, ENGINEER, ETC.) Name: <u>Steph Thistle</u> Address: <u>20 Box 87</u> City: <u>Firestone</u> State: <u>CA</u> ZIP: <u>95471</u> Day Ph: () Fax: () License No: <u>6046-0002431</u> Exp. Date: <u>9-17-04</u>
WORKER'S COMPENSATION DECLARATION I hereby affirm under penalty of perjury one of the following declarations: <input checked="" type="checkbox"/> 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. <input type="checkbox"/> 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: <u>State Farm</u> Policy No.: <u>CN 126 1046-0002431</u> (This section need not be completed if the permit is for one hundred dollars (\$100) or less.) <input type="checkbox"/> 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 comply with those provisions. Exp. Date: <u>9-17-04</u> Applicant: <u>Steph Thistle</u>		CONSTRUCTION LENDING DECLARATION 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.) Lenders Name: <u>Shady Mountain</u> Lenders Address: <u>9-17-04</u>
OWNER-BUILDER DECLARATION I hereby affirm under penalty of perjury that I am exempt from the Contractor's 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 Contractor's 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).): <input checked="" type="checkbox"/> 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.) <input type="checkbox"/> 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.) <input type="checkbox"/> I am exempt under Sec. B & P.C. for this reason: Date: <u>9/17/04</u> Owner: <u>Tom & Deborah Newell</u>		FOR DEPARTMENT USE Zoning: <u>RC, HD, SS</u> File No: <u>6046-0002431</u> Acres: <u>1.14</u> Existing Use/Structures: <u>max 352 sq ft</u> Proposed Use/Structures: <u>max 352 sq ft</u> Zoning Min. Yard Requirements: Front <u>50</u> Left <u>5</u> Right <u>5</u> Back <u>20</u> NOTE: Fire Safe Standards require all parcels greater than 1 acre to have a min. 30' setback unless mitigated. <input type="checkbox"/> Mitigation Required <input type="checkbox"/> Address subject to change Approval for Permit Issuance: <u>9-17-04</u> By: <u>Shady Mountain</u> Date: <u>9-17-04</u> Conditions: <u>2 PECH-0120 approved per Keith Jacobs</u>
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. Lic. Class: <u>10</u> Lic. No.: <u>406193</u> Exp. Date: <u>6/1/2006</u> Contractor: <u>Steph Thistle</u>		Sewer Connection: <input type="checkbox"/> Available <input type="checkbox"/> Fees Paid Approved by: <u>9/17/04</u> Date: <u>9/17/04</u> Road Encroachment: <input checked="" type="checkbox"/> Fees Paid Approved by: <u>9/17/04</u> Date: <u>9/17/04</u> Septic System Permit/Clearance #: <u>SEP02-1041</u> Approved by: <u>9-17-04</u> Date: <u>9-17-04</u> Flood Zone: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 100 Year Flood Elevation: Site Review: Drainage Review: Approved by: <u>9/17/04</u> Date: <u>9/17/04</u> Fire: Approved by: <u>9/17/04</u> Date: <u>9/17/04</u> Code Enforcement Violations: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Violation # This permit is limited to _____ days.
ASBESTOS DECLARATION Written asbestos notification pursuant to Part 61 of Title 40 of the Code of Federal Regulations is required when asbestos exists in buildings, or portions thereof, undergoing demolition. I hereby declare that demolition authorized by this permit is from construction that () does () does not contain asbestos, or that () no demolition is authorized by this permit. I certify that I have read this application and affirm under penalty of perjury that the above information is correct. I agree to comply with all local Ordinances and State laws relating to building construction. I hereby authorize representatives of the County of Sonoma to enter upon the above-mentioned property for inspection purposes. If, after making the Certificate of Exemption for the Worker's Compensation provision of the Labor Code I should become subject to such provisions, I will forthwith comply. In the event I do not comply with the Workman's Compensation law, this permit shall be deemed revoked. PERMITTEE SIGNATURE: <u>Steph Thistle</u> ADDRESS: <u>20 Box 87</u> CITY: <u>Firestone</u> ZIP: <u>95471</u> <input checked="" type="checkbox"/> Contractor <input type="checkbox"/> Owner <input type="checkbox"/> Other Licensed Professional		Work Authorized: <u>Rebuild existing house to mazel, close to existing pool</u> Plans Approved: <u>9/13/04</u> No Plans Subject to Field Inspection Plans Checked By: <u>9/13/04</u> Permit Cleared For: <u>9/13/04</u> Post FIRM <input type="checkbox"/> Pre FIRM <input type="checkbox"/> Adjust Photo Report Available <input type="checkbox"/> Geotechnical Report Available <input type="checkbox"/> Type of Construction: <u>1-N R-3</u> Occupancy: <u>1</u> No. of Stories: <u>1</u> No. of Bedrooms: <u>3</u> Auto, Fire Sprinklers Req'd: <u>1</u> No. of Units: <u>1</u> Certificate of Occupancy: PAYMENT: <u>1002</u> \$ _____ Machine Space for Permit Fee DEC 13 2004 PERMIT AND RESOURCE MANAGEMENT DEPARTMENT COUNTY OF SONOMA

JOB ADDRESS: 215 Bohemian Hwy TW1

PERMIT NUMBER: B004-5528

INSPECTION AREA: 7

Final Date: 7/1/05

Inspector: Syl

THIS PERMIT SHALL EXPIRE IN THREE(3) YEARS FROM DATE FEES ARE PAID UNLESS OTHERWISE NOTED BY CODE ENFORCEMENT

131)	SPECIAL INSPECTION REQUIRED	YES	NO	IF YES, SEE ADDITIONAL SHEET
INSPECTION RECORD	DATE	NAME	REMARKS	
101) ROUGH GRADING			SOILS ENGINEER IS TO REVIEW FOUNDATION EXCAVATIONS AND NOTIFY CONSTRUCTION INSPECTOR OF APPROVAL PRIOR TO CALLING FOR FOUNDATION INSPECTION.	
103) FOUNDATION				
FORMS/SETBACK				
FOOTING	2/1/05	DP		
WALLS	2-25-05	DP		
106) UFER GROUND #	2/1/05	DP		
104) CAISSONS/PIERS				
105) SLAB				
107) UNDERGROUND UTILITIES				
110) MASONRY				
109) RETAINING WALLS				
113) FIREPLACE				
FOOTING				
HEARTH/PROTECTION				
THROAT				
114) CHIMNEY				
120) UNDERFLOOR/UNDERSLAB				
115) HYDRONICS				
116) U/F ELECTRICAL				
117) U/F MECHANICAL				
118) U/F PLUMBING				
119) U/F FRAMING	3-9-05	DP		
139) U/F INSULATION				
126) SHEAR WALLS				
<input type="checkbox"/> INTERIOR	<input checked="" type="checkbox"/> EXTERIOR	4/4/05	SR	
127) DIAPHRAGMS				
<input checked="" type="checkbox"/> ROOF	<input type="checkbox"/> FLOOR	4/4/05	SR	
134) SIDING/SHEATHING				
125) HOLD DOWNS				
132) CLOSE-IN	5/25/05	SR		
122) ROUGH ELECTRICAL	5/24/05	DF		
123) ROUGH MECHANICAL	5/24/05	DF		
124) ROUGH PLUMBING	5/24/05	DF		
128) ROUGH FRAME	5/25/05	SR		
160) SMOKE DETECTORS	5/25/05	SR		
139) INSULATION	5/24/05	SR		
142) WALLBOARD	5/24/05	SR		
143) FIREWALLS				
135) STUCCO/PLASTER				
<input type="checkbox"/> LATH	<input type="checkbox"/> SCRATCH			
137) ROOFING				
130) TUB/SHOWER PAN				
162) FIRE DAMPERS/DOORS				
164) SUSPENDED CEILING				
<input type="checkbox"/> ROUGH ELEC.	<input type="checkbox"/> ROUGH MECH.			
165) EXITING - RAMPS/STAIRS				
163) HANDRAILS/GUARDRAILS				
CORRIDORS/DOORS				
166) ACCESSIBILITY COMPLIANCE				
144) WATER TANKS				
<input type="checkbox"/> SLAB	<input type="checkbox"/> WALLS			
170) TEMPORARY OCCUPANCY				
171) TEMPORARY ELECTRICAL				
172) TEMPORARY GAS				
174) ELECTRIC METER AUTHORIZATION				
152) PANEL BOARDS/SERVICE				
189) SEPTIC ELECTRIC FINAL				
175) GAS METER AUTHORIZATION				
153) GAS PRESSURE TEST				
HOUSE	YARD			
190) MANUF. HOME FOUNDATION				
191) MANUF. HOME INSTALLATION				
CONTINUITY				
STAIRS/SKIRTS				
RIDGE BOLTING				
193) MANUF. HOME COND. FINAL				
SWIMMING POOLS				
194) PRE-GUNITE				
195) PRE-DECK				
196) PRE-PLASTER/FENCE				
197) VINYL/FIBERGLASS POOL EXCAVATION				
102) GRADING FINAL				
176) ELECTRICAL FINAL	7/10/05	SR		
177) MECHANICAL FINAL				
178) PLUMBING FINAL				
199) FINAL	7/10/05	SR		
OCCUPANCY (OK TO OCCUPY)				

FIRE INSPECTION REQUIRED	DATE	NAME
<input type="checkbox"/> Yes <input type="checkbox"/> No		
759) KNOX BOX		
760) PROPANE TANK HOLD DOWNS		
770) SPRINKLER FINAL		
771) ABOVEGROUND HYDROSTATIC		
772) UNDERGROUND HYDROSTATIC		
773) UNDERGROUND FLUSH		
774) THRUST BLOCKS		
775) PIPE WELD		
776) HYDRANTS/APPLIANCES		
777) PUMP ACCEPTANCE		
778) WATER SUPPLY/TANK		
779) ALARM SYSTEM		
780) HOOD & DUCT SYSTEM		
781) ABOVEGROUND TANK/DISPENSER		
198) FIRE FINAL		

CLEARANCES:
FIRE <input type="checkbox"/> Local <input type="checkbox"/> County
HEALTH DEPARTMENT
ZONING
SANITATION

PLAN RETENTION REQUIRED?
<input type="checkbox"/> Yes <input type="checkbox"/> No

PERMIT # BUD-4-5528

COUNTY OF SONOMA
PERMIT AND RESOURCE MANAGEMENT DEPARTMENT
2550 VENTURA AVENUE, SANTA ROSA, CA 95403-2829
(707) 565-1900 FAX (707) 565-1103

Building Permit Invoice: BLD04-5528

Project Address: 215 BOHEMIAN HWY TWI

Cross Street:

APN: 073-120-021

Description: SFD - RELOCATE TO REAR OF PROPERTY, ENCLOSE (E)

Res/Com: R

Std/Quick: Q

Fire District: GOLD RIDGE FIRE

Status: **PREISSUE**

Printed: December 13, 2004

Initialized by: LHELTON

Activity Type: B-BLD 401

Insp Area: 07

Site Review File #:

Site Review Fees Paid: \$112.00

Owner: NEWELL THOMAS J ET AL
215 BOHEMIAN HWY
FREESTONE CA 95472-9294

Applicant: THISTLE CONSTRUCTION
PO BOX 87
CAZADERO CA

95421

707 632 5506

Valuation:

Occupancy	Type	Factor	Sq Feet	Valuation
Dwellings	DWEL-Type V - Wd Frme	85.71	352	\$30,169.92
	Additional Amount...			44,830.08
	Totals...		352	\$75,000.00*

Fees:

Item#	Description	Account Code	Tot Fee	Prev. Pmts	Cur. Pmts
50	S.M.I.P. RESIDENTIAL	327023-4040	7.50	.00	.00
60	BLDG PERM PLAN CHECK FEE	025015-1341	752.80	752.80	.00
100	SITE REVIEW/ELEV. CERT.	025015-1341	112.00	112.00	.00
122	ELECTRICAL FEE	025015-1341	53.50	.00	.00
123	MECHANICAL FEE	025015-1341	53.50	.00	.00
124	PLUMBING FEE	025015-1341	53.50	.00	.00
132	BUILDING PERMIT FEE	025015-1341	1,158.15	.00	.00
140	TECH ENHANCEMENT FEE	025015-4040	35.61	14.10	.00
735	NPDES - BUILDING	025015-1341	115.82	.00	.00
1165	ZONING PERMITS W/O D.R.	025015-3829	75.00	75.00	.00

DEC 13 2004

PERMIT AND RESOURCE
MANAGEMENT DEPARTMENT
COUNTY OF SONOMA

\$2,417.38

\$953.90

Total Fees: \$2,417.38

Total Paid: \$953.90

Balance Due: \$1,463.48

Refunds are regulated by the California Building Code (CBC) which reads: "Under Section 107.6, CBC, the building official may authorize refunding of not more than 80 percent of the plan review fee paid when an application is withdrawn or canceled before any plan reviewing is done. The building official may authorize refunding of not more than 80 percent of the permit fee paid when no work has been done under the permit. There shall be no refunding of any fee paid except on written application filed by the original permittee not later than 180 days after the date of fee payment."

When validated below, this is your receipt.
This Building Permit shall EXPIRE

FOR INTERNAL USE ONLY

Address: 215 BOHEMIAN HWYP.C.# BLD 04-5528Inspector: STREMSDate: 10-5-04

The proposed construction appears to be located in:

Flood Hazard:

- | | |
|---|--|
| <input type="checkbox"/> FIRM Flood Zone (ASFH) BFE = _____ ft. NGVD. | <input type="checkbox"/> Portions of property in flood zone but project site not in flood zone. |
| Lowest finish floor at 12 above BFE = _____ ft. NGVD. | |
| <input type="checkbox"/> Design for moving water is recommended | <input type="checkbox"/> Building is in FIRM Floodway |
| Section _____ is _____ Ft/sec | <input checked="" type="checkbox"/> Main building on site is Post-FIRM |
| Section _____ is _____ Ft/sec | <input type="checkbox"/> Sensitive drainage area, review by drainage section recommended. |
| <input type="checkbox"/> Area subject to flooding (not on adopted FIRM). | <input type="checkbox"/> Appears to be a "substantial improvement" (40%), therefore flood regulations apply. |
| <input type="checkbox"/> Project is on flood zone major damage list. | <input type="checkbox"/> Located inside the Laguna de Santa Rosa below elevation of 75 ft (Ord.#4906). |
| <input type="checkbox"/> Flood Prone Urban Area defined by Ordinance #4906. | |

Geo-technical:

- | | |
|---|---|
| <input type="checkbox"/> Area of suspected slides, slumps, earth flow, or soil creep. (a.) | <input checked="" type="checkbox"/> Area without recommended setback from stream (Drainage Division recommendations). |
| <input type="checkbox"/> Area of previous fill placement. (g.) | <input type="checkbox"/> Area of high moisture content in soil. (f.) |
| <input type="checkbox"/> Area of suspected expansive soil. (c.) | <input type="checkbox"/> Area subject to high erosion (water or wind). |
| <input type="checkbox"/> Area without sufficient slope setback as set forth in UBC Section 1806. (b.) | <input type="checkbox"/> Area of soft soil due to past deep ripping or cultivation below minimum foundation depth. (h.) |
| <input type="checkbox"/> Area subject to possible liquefaction. (e.) | <input type="checkbox"/> Area within 1000 feet of a solid waste disposal site. |
| <input type="checkbox"/> Area of suspected soft, compressible, or organic soil with low bearing capacity. | |
| Soils Investigation: | Required <input checked="" type="checkbox"/> Included <input type="checkbox"/> Available <input type="checkbox"/> |

Geologic:

- | | |
|--|---|
| <input type="checkbox"/> Located in the Alquist-Priolo Special Studies Zone. | <input type="checkbox"/> Geologic report required (see CGS Publication 42). |
|--|---|

General:

- | | |
|--|--|
| <input type="checkbox"/> Building addition will affect the required light and ventilation in an existing room. | <input type="checkbox"/> Indications of existing substandard conditions that are not addressed by the proposed construction. |
| <input type="checkbox"/> Existing electric meter must be replaced. | <input type="checkbox"/> Indications of past work done without a permit. |
| <input type="checkbox"/> Existing gas meter must be replaced. | <input type="checkbox"/> Grading permit required for road, driveway, or site preparation. |
| Slope is <u>0-1%</u> | <input type="checkbox"/> Site is likely to be acceptable for conventional construction methods. |

Wind:

- | | | | |
|--------------|---------------------|--------------|---|
| Exposure "B" | <u>Exposure "C"</u> | Exposure "D" | N.S.C. Air Pollution Control District <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
|--------------|---------------------|--------------|---|

~~STATE FOR NEW~~

SITE FOR RELOCATION OF S.F.D. IS FLAT BUT 31' FROM CREEK - DOES NOT MEET CREEK SETBACK REQUIREMENTS
SEPARATE PERMIT SHOULD BE REQUIRED FOR BARN RELOCATION

CREEK CHANNEL APPROX 10-12' HIGH

FIRE SAFE STANDARDS FIELD EVALUATION

Address: _____ P.C.# 04- _____

Inspector: _____ Date: _____

ADDRESS

Visible both directions of travel - - - - - Yes ☐ No ☒
 Address in sequence - - - - - Yes ☒ No ☐

GATES

30' setback from road - - - - - Yes ☐ No ☐
 Opens in or increased setback - - - - - Yes ☐ No ☐
 Automatic gate - - - - - Yes ☐ No ☐
 KNOX switch present - - - - - Yes ☐ No ☐
 At least 2 feet wider than road (12 feet) - - - - - Yes ☐ No ☐

ROAD

(Name: _____)
 Residences served prior to 1/1/92 Yes ☐ No ☐
 Meets county Fire Safe Standards Yes ☐ No ☐

Secondary Road

(Name: _____) N/A ☒
 Existing prior to 1/1/92 Yes ☐ No ☐
 Meets county road standards Yes ☐ No ☐
 Number of homes presently served by this road _____; surface is dirt ☐, gravel ☐, asphalt ☐

DRIVEWAY

(on this property) NO CHANGE ☐ PROPOSED ☒
 Existing prior to 1/1/92 - - - - - Unknown ☐ Yes ☐ No ☐
 Existing driveway allows access to within 150' of structure - - - - - Yes ☒ No ☐
 Driveway over 150' in length - - - - - Yes ☐ No ☒
 Existing surface is dirt ☐, gravel ☐, asphalt ☐. Total driveway length _____ FT.
 Grade not over 0-5% ☐ 5-10% ☐ 10-15% ☐ Length of grade over 15% _____ FT.
 Width of driveway _____ FT. (10 feet min. required)
 Bridges required - - - - - Now in place, More info needed ☐ Yes ☐ No ☐

PARCEL DEFINITION

Public water system hydrant within 250' (Hydrant type 4 1/2" ☐ 2 1/2" ☐ Yes ☐ No ☒

CLEARANCE OF FLAMMABLE VEGETATION N/A ☒

Over one acre parcel - - - - - Yes ☒ No ☐

Notes

California Home

Friday, September 17, 2004

**License Detail****CALIFORNIA CONTRACTORS STATE LICENSE BOARD****Contractor License # 406193****DISCLAIMER**

A license status check provides information taken from the CSLB license data base. Before relying on this information, you should be aware of the following limitations:

- CSLB complaint disclosure is restricted by law (B&P 7124.6). If this entity is subject to public complaint disclosure, a link for complaint disclosure will appear below. Click on the link or button to obtain complaint and/or legal action information.
- Per B&P 7071.17, only construction related civil judgments known to the CSLB are disclosed.
- Arbitrations are not listed unless the contractor fails to comply with the terms of the arbitration.
- Due to workload, there may be relevant information that has not yet been entered onto the Board's license data base.

Extract Date: 09/17/2004

***** Business Information *****

THISTLE CONSTRUCTION
P O BOX 87
CAZADERO, CA 95421
Business Phone Number: (707) 632-5506

Entity: **Sole Ownership**
Issue Date: 06/08/1981 Expire Date: 06/30/2005

***** License Status *****

This license is current and active. All information below should be reviewed.

***** Classifications *****

Class	Description
B	GENERAL BUILDING CONTRACTOR

***** Bonding Information *****

CONTRACTOR'S BOND: This license filed Contractor's Bond number 1030892 in the

REPORT SS&R

amount of \$10,000 with the bonding company
SURETY COMPANY OF THE PACIFIC.
Effective Date: 01/01/2004

Contractor's Bonding History

***** Workers Compensation Information *****

This license has workers compensation insurance with the
STATE COMPENSATION INSURANCE FUND
Policy Number: 046-0002431 Effective Date: 01/01/1991 Expire Date: 01/01/2005

Personnel List

License Number Request

Contractor Name Request

Personnel Name Request

Salesperson Request

Salesperson Name Request

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13404-5528



PJC & Associates, Inc.

Consulting Engineers & Geologists

442 Houser Street, Suite A
Cotati, CA 94931
(707) 792-9221
Fax (707) 792-1747

FIELD REPORT ON OBSERVATION OF FOUNDATIONS

PROJECT NO. 2157.01

DATE 1/31/05 TIME ARRIVED _____

CLIENT Thistle Const.

PROJECT NAME New Residence

PROJECT ADDRESS 215 Bohemian Hwy, Freestone, CA

BUILDING PERMIT NO. BID 04-552

GENERAL CONTRACTOR _____

PROJECT PLANS & SPECIFICATIONS

PREPARED BY Thistle Construction

DATED 12/3/04 REVISED _____

BUILDING DEPARTMENT STAMPED APPROVAL - DATED 12/13/04

PROJECT FOUNDATION INVESTIGATION REPORT DATED _____ SUPPLEM. _____

PREPARED BY _____ PROJ. NO. _____

- ☒ The footing excavations listed below were bottomed on material for which the bearing values recommended in the foundation report are applicable.
- ☐ The cast-in-place drilled friction piles listed below penetrated material for which the allowable supporting capacities recommended in the foundation report are applicable. The piles were excavated to diameters at least as large as specified and the excavation extended at least to the depths indicated on the project plans.
- ☐ The excavations for the cast-in-place belled piers listed below were bottomed on material for which the bearing values recommended in the foundation report are applicable. The belled excavations were at least as large as specified on the project plans.
- ☐ The driven piles listed below were observed to be driven to the specified lengths and/or driving resistances to obtain the supporting capacities recommended in the foundation report.

FOUNDATIONS OBSERVED on site to observe the footing excavations. All the perimeter foundations extend at least 12" below the lowest adjacent grade. The footings extend into competent material. The excavations should be cleaned of soft saturated soils prior to concrete placement

NOTE: ☐ The observations reported do not constitute an approval of foundation location, size, depth, reinforcement or design.

☒ Loose, soft or disturbed soils must be removed prior to placement of reinforcement or concrete.

FIELD TECHNICIAN/SPECIAL INSPECTOR

SIGNATURE

Anthony J. De Martini
FULL NAME PRINTED

INSTALLATION CERTIFICATE

CF-6R

215 Bohemian Highway, Freestone

BIA-04-5528

Site Address

Permit Number

An installation certificate is required to be posted at the building site or made available for all appropriate inspections. (The information provided on this form is required; however, use of this form to provide the information is optional.) After completion of final inspection, a copy must be provided to the building department (upon request) and the building owner at occupancy, per Section 10-1039b).

HVAC SYSTEMS:

Heating Equipment

Equip. Type (pkg. heat pump)	CEC Certified Mfr Name and Model Number	# of Identical Systems	Efficiency (AFUE, etc.) (≥CCR-1R value)	Duct Location (attic, etc.)	Duct or Piping R-value	Heating Load (Btu/hr)	Heating Capacity (Btu/hr)
Central Furnace Propane	BRYANT #350MAV036060F	1	91.7	uncond. crawl space	4.2	60,000	56,000

RETAIN

Cooling Equipment

Equip. Type (pkg. heat pump)	CEC Certified Mfr Name and Model Number	# of Identical Systems	Efficiency (APUE, etc.) (≥CCR-1R value)	Duct Location (attic, etc.)	Duct or Piping R-value	Cooling Load (Btu/hr)	Cooling Capacity (Btu/hr)
	N/A						

1, ≥ reads greater than or equal to

I, the undersigned, verify that equipment listed above is: 1) the actual equipment installed, 2) equivalent to or more efficient than that specified in the certificate of compliance (Form CF-1R) submitted for compliance with the *Energy Efficiency Standards* for residential buildings, and 3) equipment that meets or exceeds the appropriate requirements for manufactured devices (from the *Appliance Efficiency Regulations* or Part 6), where applicable.



7/8/05

Date

AAA ENERGY SYSTEMS, INC.

Installing Subcontractor (Co. Name)

OR General Contractor (Co. Name) OR Owner

INSTALLATION CERTIFICATE

(Page 1 of 13)

CF-6R

215 Bohannon Hwy Freeport

Bld-04-5528

Site Address

Permit Number

An installation certificate is required to be posted at the building site or made available for all appropriate inspections. (The information provided on this form is required; however, use of this form to provide the information is optional.) After completion of final inspection, a copy must be provided to the building department (upon request) and the building owner at occupancy, per Section 10-103(b).

HVAC SYSTEMS:

Heating Equipment

Equip. Type (pkg. heat pump)	CEC Certified Mfr Name and Model Number	# of Identical Systems	Efficiency (AFUE, etc.) ¹ [≥CF-1R value]	Duct Location (attic, etc.)	Duct or Piping R-value	Heating Load (Btu/hr)	Heating Capacity (Btu/hr)

Cooling Equipment

Equip. Type (pkg. heat pump)	CEC Certified Compressor Unit Mfr Name and Model Number	# of Identical Systems	Efficiency (SEER, etc.) ¹ [≥CF-1R value]	Duct Location (attic, etc.)	Duct R-value	Cooling Load (Btu/hr)	Cooling Capacity (Btu/hr)

1. ≥ reads greater than or equal to.

I, the undersigned, verify that equipment listed above is: 1) is the actual equipment installed, 2) equivalent to or more efficient than that specified in the certificate of compliance (Form CF-1R) submitted for compliance with the *Energy Efficiency Standards* for residential buildings, and 3) equipment that meets or exceeds the appropriate requirements for manufactured devices (from the *Appliance Efficiency Regulations* or Part 6), where applicable.

Signature, Date

Installing Subcontractor (Co. Name)
OR General Contractor (Co. Name) OR Owner

WATER HEATING SYSTEMS:

Heater Type	CEC Certified Mfr Name & Model Number	Distribution Type (Std. Point-of-Use)	If Recirculation Control Type	# of Identical Systems	Rated Input & W or Btu/hr	Tank Volume (gallons)	Efficiency ² (EF, RE)	Standby ² Loss (%)	External Insulation R-value ³
666	Reliance 909 #950/KR	std	REC	1	35,500	50	.58	.58	R-12

- For small gas storage (rated input of less than or equal to 75,000 Btu/hr), electric resistance and heat pump water heaters, list Energy Factor. For large gas storage water heaters (rated input of greater than 75,000 Btu/hr), list Recovery Efficiency, Standby Loss and Rated Input. For instantaneous gas water heaters, list Recovery Efficiency and Rated Input.
- R-12 external insulation is mandatory for storage water heaters with an energy factor of less than 0.58.

Faucets & Shower Heads:

All faucets and showerheads installed are certified to the Commission, pursuant to Title 24, Part 6, Section 111.

I, the undersigned, verify that equipment listed above my signature is: 1) the actual equipment installed; 2) equivalent to or more efficient than that specified in the certificate of compliance (Form CF-1R) submitted for compliance with the *Energy Efficiency Standards* for residential buildings; and 3) equipment that meets or exceeds the appropriate requirements for manufactured devices (from the *Appliance Efficiency Regulations* or Part 6), where applicable.

Signature, Date 7/7/05

Installing Subcontractor (Co. Name) OR General Contractor (Co. Name) OR Owner

COPY TO: Building Department
HERS Provider (if applicable)
Building Owner at Occupancy

Insulation Certificate

215 Bohemian Hwy Freestone
 Number and Street City
Sonoma _____
 County Subdivision Lot Number

Description of Installation

ROOF

Material _____ Brand Name _____
 Thickness (inches) _____ Thermal Resistance (R-Value) _____

EXTERIOR WALL

Material Fiberglass Brand Name DOWS CORNING
 Thickness (inches) 3.5 Thermal Resistance (R-Value) 13

CEILING

Batt or Blanket Type Fiberglass Brand Name DOWS CORNING
 Thickness (inches) 9 1/2 Thermal Resistance (R-Value) 30
 Loose Fill Type _____ Brand Name _____
 Contractor's minimum installed weight/ft² _____ lb Minimum thickness _____ inches
 Manufacturer's installed weight per square foot to achieve Thermal Resistance (R-Value) _____

RAISED FLOOR

Material Fiberglass Brand Name DOWS CORNING
 Thickness (inches) 6 1/2 Thermal Resistance (R-Value) 19

SLAB FLOOR

Material _____ Brand Name _____
 Thickness (inches) _____ Thermal Resistance (R-Value) _____
 Width (inches) _____

FOUNDATION WALL

Material _____ Brand Name _____
 Thickness (inches) _____ Thermal Resistance (R-Value) _____

Declaration

I hereby certify that the above Insulation was installed in the building at the above location in conformance with the current Building Energy Efficiency Standards for new residential buildings contained in Title 24 of the California Administrative Code.

General Contractor (Builder)

License Number

Signature and Title

Date

California State Insulation795223 C2

Sub-Contractor (Insulation Installer)

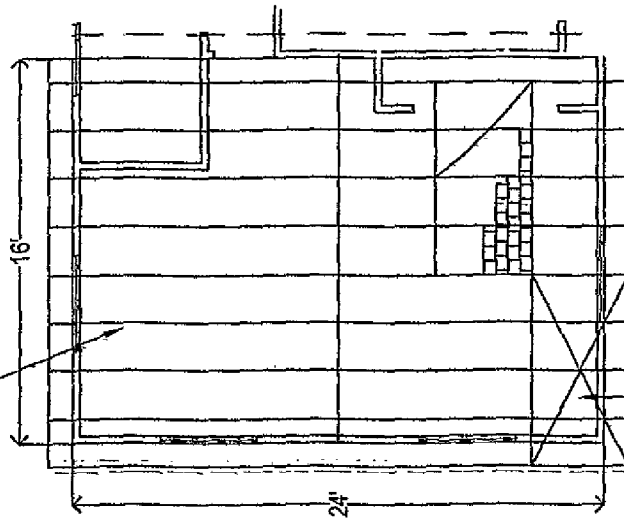
License Number

Alvin Bell OWNER5-25-05

Signature and Title

Date

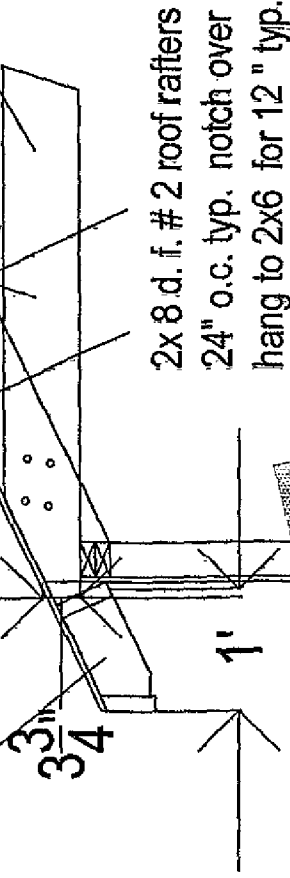
2x8 d.f. #2 roof rafters 24" o.c. typ. 3-16 d nails to top plate typ. solid blk between rafters



5/8" cdx plywood nailed 4" o.c. edge & 12" o.c. field typ.

Roof Framing At Bedroom Addition

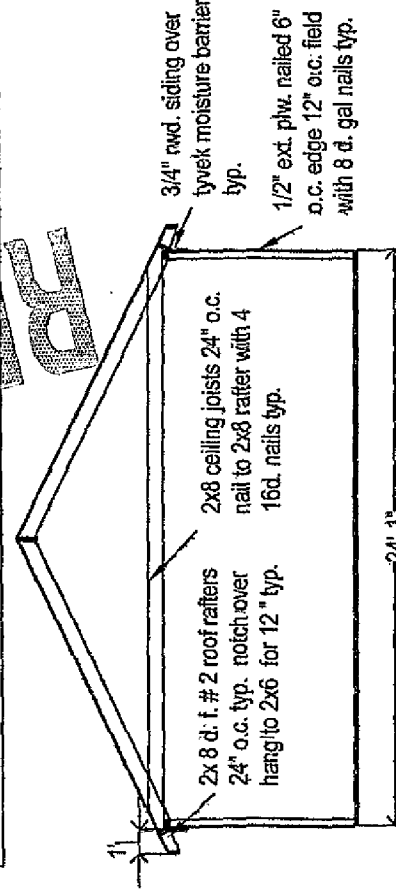
notch to 2x6 for 12" overhang typ. - plumb cut 3-3/4" at outside of plate typ.



2x8 d.f. #2 roof rafters 24" o.c. typ. notch over hang to 2x6 for 12" typ.

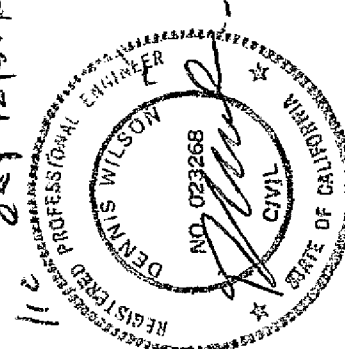
Scale 5/8" = 1'

Detail At Wall



Roof section at Bedroom Addition

Scale 1/8" = 1'



PROJECT: 215 Bohemian Hwy.
LOCATION: Freestone, CA

REVISION BY: AWP/VD MARKS DATE: 2/05/05

Roof Framing At Bedroom Addition - Cuts at Wall and Overhang-215 Bohemian Hwy

THISTLE CONSTRUCTION	Drawn by	Date
GENERAL CONTRACTING	Checked by	12/24/2005
P.O. BOX 47, CAZADERO, CA 95623	Scale	1/8" = 1'
PHONE: 707-632-5500	Sheet	1 of 1
Drawn by	Checked	Approved
10/10/05	1/1/05	1/1/05



COUNTY OF SONOMA

PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

2550 Ventura Avenue, Santa Rosa, CA 95403-2829
(707) 565-1900 FAX (707) 565-1103

October 7, 2004

THISTLE CONSTRUCTION
PO BOX 87
CAZADERO, CA 95421

Subject: Stream setback at: 215 BOHEMIAN HWY
File #: BLD04-5528

Thistle Construction:

A site evaluation has been completed as the first step in processing your proposal for construction at the above address. After visiting the site, I have determined that the location of the proposed building does not meet the prescriptive recommendation of the Flood and Drainage Section of this Department.

The building should be set back from the stream two and one-half times the stream bank height plus thirty feet. Please note the attached information sheet for further explanation. This setback recommendation may be modified by a geotechnical investigation. This geotechnical investigation may make specific recommendations for foundation design, stream bank stabilization methods, bank erosion rates, and related protective measures for the structure and its foundation system. This report must be prepared by a firm experienced and licensed in the field of geotechnical engineering. Section 1804 of the Uniform Building Code sets the requirements and the information to be included in this report.

An additional option is to relocate the building site to comply with this recommendation.

Your building permit application and building plans have been forwarded to our Plancheck/Engineering Section which will check them for code compliance. Please address any future information to the Plancheck/Engineering Section with the owner's name, site address and file number for reference.

If you have any questions, please feel free to call me between 7:30 a.m. and 9:00 a.m. at (707) 565-3723.

Sincerely,

Shems Peterson
Supervising Building Inspector

SJ:mb

enclosure: SCWA-002

cc: Thomas Newell, Owner



PJC & Associates, Inc.

Consulting Engineers & Geologists

December 1, 2004

Job No. 2157.01

Thistle Construction
Attention: Steve Thistle
P.O. Box 87
Cazadero, CA 95421

Subject: Report
Creek Stability and Setback Evaluation
New Residence
215 Bohemian Highway
Freestone, California

Reference: Site Plan, Sheet 1, dated April 3, 2004, prepared by Thistle Construction.

Dear Steve:

PJC & Associates, Inc. (PJC) is pleased to submit this report which presents the results of our creek bank stability and setback evaluation for the proposed residence located on the property at 215 Bohemian Highway in Freestone, California. Our services were completed in accordance with our agreement for professional geotechnical engineering services. The purpose of our work was to perform a site reconnaissance and provide an opinion on the stability of the creek bank and setback requirements of the new structure. No subsurface or geotechnical engineering analysis was performed at this time.

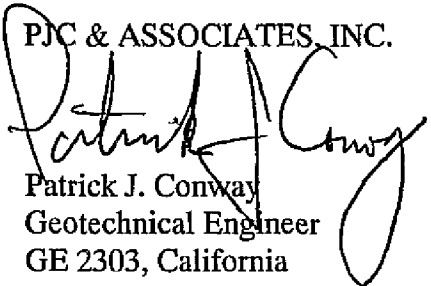
Our geologist visited the site on October 26, 2004 to perform a site reconnaissance. The project will consist of constructing a new single-family residence at the northern portion of the property. The building site is level and currently being used as grazing land. The planned building envelope is located at the north portion of the property, approximately 35 to 40 feet from the western bank of Salmon Creek. We walked the creek bank to observe evidence of erosion and bank instability. The creek bank in the vicinity of the envelope is approximately 10 to 15 feet tall with slope inclinations that vary from one horizontal to one vertical (1H:1V) to 1/2H:1V. The creek bank is covered with a heavy growth of vegetation.

We observed no evidence of creek instability or significant erosion and bank retreat near the proposed building envelope. Therefore, we judge that the setback distance, as shown on the plan, is sufficient to protect the structure from potential catastrophic bank failure.

We trust that this is the information you require at this time. If you have any questions concerning the contents of this report, please call.

Sincerely,

PJC & ASSOCIATES, INC.

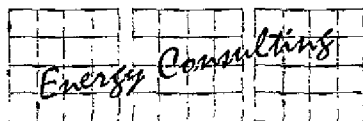

Patrick J. Conway
Geotechnical Engineer
GE 2303, California



PJC: mh

cc: Debra Newell (1)

SOL • DATA



1-800-95-ENERGY

401-C College Avenue

Santa Rosa, CA 95401

707 • 545-4440 • fax 545-4447

e-mail: info@soldata.com

bill mattinson • sean plikuhn • sarah pernula

project: Newell addition
location: 215 Bohemian Highway, Freestone
date: September 15, 2004
job#: 240626

Title 24 Energy Compliance Documentation

Method of Compliance: Micropas for addition alone (Climate Zone 2)

NOTE: The enclosure of 16 x 22 porch area for this house is shown to comply facing all 4 cardinal orientations and thus may be situated facing any direction.

Scope of Analysis: This project is in compliance with the current edition of the California Residential Energy Standards when built as documented in this submittal.

Specific Requirements: (must also conform to all applicable Mandatory Measures on Form MF-1)

INSULATION: R30 at ceiling, R13 at exterior walls;
R19 floors.

HEATING: existing gas furnace

DUCTS: insulated R4.2 located in crawl

AC: n/a

WATER HEATING: use existing unit

THERMAL MASS: n/a

GLAZING: All new windows must be wood or vinyl with low solar heat gain low E glass (Andersen or equal). Installed products must have equal or lower U-values and SHGC (0.35 and 0.36) than the values used in these calcs and must have CEC or NFRC labels affixed.

TABLE OF CONTENTS

TOC

Project Title.....	Newell addition	Date..09/15/04 13:22:39
Project Address.....	215 Bohemian Highway	*****
	Freestone	*v6.01*
Documentation Author...	Bill Mattinson	*****
	SOL*DATA	Building Permit #
	401-C College Avenue	Plan Check / Date
	Santa Rosa, CA 95401	Field Check/ Date
	707-545-4440	
Climate Zone.....	02	
Compliance Method.....	MICROPAS6 v6.01 for 2001 Standards by Enercomp, Inc.	
MICROPAS6 v6.01 File-NEWELL Wth-CTZ02S92 Program-TOC		
User#-MP0817 User-SOL*DATA Run-Newell addition		

TABLE OF CONTENTS

Report	Page
FORM CF-1R.....	1
FORM MF-1R.....	4
FORM C-2R.....	7
HVAC SIZING.....	10

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=====
Project Title..... Newell addition                      Date..09/15/04 13:22:39
Project Address..... 215 Bohemian Highway                *****
Freestone                                                *v6.01*
Documentation Author... Bill Mattinson                   *****
SOL*DATA
401-C College Avenue
Santa Rosa, CA 95401
707-545-4440
Climate Zone..... 02
Compliance Method..... MICROPAS6 v6.01 for 2001 Standards by Enercomp, Inc.
=====
| MICROPAS6 v6.01 File-NEWELL Wth-CTZ02S92 Program-FORM CF-1R |
| User#-MP0817 User-SOL*DATA Run-Newell addition              |
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GENERAL INFORMATION

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Conditioned Floor Area..... 352 sf
Building Type..... Single Family Detached
Construction Type ..... Addition Alone
Building Front Orientation. Cardinal - N,E,S,W
Number of Dwelling Units... 0.21
Number of Stories..... 1
Floor Construction Type.... Raised Floor
Glazing Percentage..... 21.3 % of floor area
Average Glazing U-factor... 0.35 Btu/hr-sf-F
Average Glazing SHGC..... 0.36
Average Ceiling Height..... 8 ft

```

BUILDING SHELL INSULATION

Component Type	Frame Type	Cavity R-value	Sheathing R-value	Total R-value	Assembly U-factor	Location/Comments
Wall	Wood	R-13	R-n/a	R-13	0.088	
Floor	Wood	R-19	R-n/a	R-19	0.037	
Roof	Wood	R-30	R-n/a	R-30	0.031	

FENESTRATION

Orientation	Area (sf)	U-Factor	SHGC	Interior Shading	Exterior Shading	Overhang/Fins
Window Front (N)	18.0	0.350	0.360	Standard	Standard	None
Window Left (E)	16.0	0.350	0.360	Standard	Standard	None
Window Left (E)	16.0	0.350	0.360	Standard	Standard	None
Window Back (S)	16.0	0.350	0.360	Standard	Standard	None
Window Back (S)	9.0	0.350	0.360	Standard	Standard	None

Project Title..... Newell addition

Date..09/15/04 13:22:39

| MICROPAS6 v6.01 File-NEWELL Wth-CTZ02S92 Program-FORM CF-1R |
 | User#-MP0817 User-SOL*DATA Run-Newell addition |

HVAC SYSTEMS

Equipment Type	Minimum Efficiency	Refrigerant Charge and Airflow	Duct Location	Duct R-value	Tested Duct Leakage	ACCA Manual D	Thermostat Type
Furnace	0.750 AFUE	n/a	Crawlspc	R-4.2	No	No	Setback
NoCoolingTXV	10.00 SEER	Yes	Crawlspc	R-4.2	No	No	Setback

SPECIAL FEATURES AND MODELING ASSUMPTIONS

*** Items in this section should be documented on the plans, ***
 *** installed to manufacturer and CEC specifications, and ***
 *** verified during plan check and field inspection. ***

This is a multiple orientation building with no orientation restrictions.
 This printout is for the front facing North.

This building incorporates non-standard Duct Location.

This building incorporates Ducts in a Crawlspc or Basement Location.
 All supply registers must be within 2 ft of floor.

This building does not have a cooling system installed.

HERS REQUIRED VERIFICATION

*** Items in this section require field testing and/or ***
 *** verification by a certified home energy rater under ***
 *** the supervision of a CEC-approved HERS provider using ***
 *** CEC approved testing and/or verification methods and ***
 *** must be reported on the CF-6R installation certificate. ***

This building incorporates non-standard Duct Location.

This building incorporates Ducts in a Crawlspc or Basement Location. The
 local enforcement agency may waive HERS verification for these locations.

REMARKS

Project Title..... Newell addition

Date..09/15/04 13:22:39

| MICROPAS6 v6.01 File-NEWELL Wth-CTZ02S92 Program-FORM CF-1R |
 | User#-MP0817 User-SOL*DATA Run-Newell addition |

COMPLIANCE STATEMENT

This certificate of compliance lists the building features and performance specifications needed to comply with Title-24, Parts 1 and 6 of the California Code of Regulations, and the administrative regulations to implement them. This certificate has been signed by the individual with overall design responsibility. When this certificate of compliance is submitted for a single building plan to be built in multiple orientations, any shading feature that is varied is indicated in the Special Features Modeling Assumptions section.

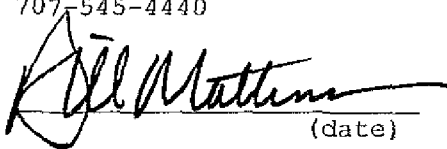
DESIGNER or OWNER

DOCUMENTATION AUTHOR

Name.... Steve Thistle
 Company. Thistle Construction
 Address. P.O. Box 87
 Cazadero CA 95421
 Phone... 707-632-5506
 License. _____

Name.... Bill Mattinson
 Company. SOL*DATA
 Address. 401-C College Avenue
 Santa Rosa, CA 95401
 Phone... 707-545-4440

Signed..  (date)

Signed..  (date)

ENFORCEMENT AGENCY

Name.... _____
 Title... _____
 Agency.. _____
 Phone... _____
 Signed.. _____
 (date)

Project Title..... Newell addition Date..09/15/04 13:22:39
 Project Address..... 215 Bohemian Highway *****
 Freestone *v6.01*
 Documentation Author... Bill Mattinson ***** Building Permit #
 SOL*DATA
 401-C College Avenue Plan Check / Date
 Santa Rosa, CA 95401
 707-545-4440 Field Check/ Date
 Climate Zone.....
 Compliance Method..... MICROPAS6 v6.01 for 2001 Standards by Enercomp, Inc.

| MICROPAS6 v6.01 File- Wth- Program-FORM MF-1R |
 | User#-MP0817 User-SOL*DATA Run- proposed |

Note: Lowrise residential buildings subject to the Standards must contain these measures regardless of the compliance approach used. Items marked with an asterisk (*) may be superseded by more stringent compliance requirements listed on the Certificate of Compliance. When this checklist is incorporated into the permit documents, the features noted shall be considered by all parties as minimum component performance specifications for the mandatory measures whether they are shown elsewhere in the documents or on this checklist only.

BUILDING ENVELOPE MEASURES

	Design- er	Enforce- ment
*150(a): Minimum R-19 ceiling insulation.	X	
150(b): Loose fill insulation manufacturer's labeled R-Value.	X	
*150(c): Minimum R-13 wall insulation in wood framed walls or equivalent U-factor in metal frame walls (does not apply to exterior mass walls).	X	
*150(d): Minimum R-13 raised floor insulation in framed floors.	X	
150(l): Slab edge insulation - water absorption rate no greater than 0.3%, water vapor transmission rate no greater than 2.0 perm/inch.		
118: Insulation specified or installed meets insulation quality standards. Indicate type and form.	X	
116-17: Fenestration Products, Exterior Doors and Infiltration/Exfiltration Controls		
1. Doors and windows between conditioned and unconditioned spaces designed to limit air leakage.		
2. Fenestration products (except field fabricated) have label with certified U-factor, certified Solar Heat Gain Coefficient (SHGC), and infiltration certification.		
3. Exterior doors and windows weatherstripped; all joints and penetrations caulked and sealed.	X	
150(g): Vapor barriers mandatory in Climate Zones 14 and 16 only.		
150(f): Special infiltration barrier installed to comply with Sec. 151 meets Commission quality standards.		
150(e): Installation of Fireplaces, Decorative Gas Appliances and Gas Logs		
1. Masonry and factory-built fireplaces have:		

Project Title..... Newell addition

Date..09/15/04 13:22:39

MICROPAS6 v6.01 File-

Program-FORM MF-1R

User#-MP0817 User-SOL*DATA

- a. Closeable metal or glass door
- b. Outside air intake with damper and control
- c. Flue damper and control
- 2. No continuous burning gas pilots allowed.

X

SPACE CONDITIONING, WATER HEATING AND PLUMBING SYSTEM MEASURES

	Design- er	Enforce- ment
110-113: HVAC equipment, water heaters, showerheads and faucets certified by the Commission.	X	
150(h): Heating and/or cooling loads calculated in accordance with ASHRAE, SMACNA or ACCA.	X	
150(i): Setback thermostat on all applicable heating and/or cooling systems.	X	
150(j): Pipe and Tank insulation		
1. Storage gas water heaters rated with an Energy Factor less than 0.58 must be externally wrapped with insulation having an installed thermal resistance of R-12 or greater.		
2. First 5 feet of pipes closest to water heater tank, non-recirculating systems, insulated (R-4 or greater).		
3. Back-up tanks for solar system, unfired storage tanks, or other indirect hot water tanks have R-12 external insulation or R-16 combined internal/external insulation.		
4. All buried or exposed piping insulated in recirculating sections of hot water system.		
5. Cooling system piping below 55 degrees insulated.		
6. Piping insulated between heating source and indirect hot water tank.	X	
*150(m): Ducts and Fans		
1. All ducts and plenums installed, sealed and insulated, to meet the requirements of the 1998 CMC sections 601, 603, and 604, and standard 6-3; ducts insulated to a minimum installed level of R-4.2 or enclosed entirely in conditioned space. Openings shall be sealed with mastic, tape, aerosol sealant, or other duct-closure system that meets the applicable requirements of UL181, UL181A, or UL181B. If mastic or tape is used to seal openings greater than 1/4 inch, the combination of mastic and either mesh or tape shall be used. Building cavities shall not be used for conveying conditioned air. Joints and seams of duct systems and their components shall not be sealed with cloth back rubber adhesive duct tapes unless such tape is used in combination with mastic and drawbands.		
2. Exhaust fan systems have backdraft or automatic dampers.		
3. Gravity ventilating systems serving conditioned space have either automatic or readily accessible, manually operated dampers.	X	
114: Pool and Spa Heating Systems and Equipment		
1. System is certified with 78% thermal efficiency, on-off		

Project Title..... Newell addition

Date..09/15/04 13:22:39

MICROPAS6 v6.01 File-

Program-FORM MF-1R

User#-MP0817 User-SOL*DATA Run-

switch, weatherproof operating instructions, no electric resistance heating and no pilot light.

2. System is installed with:

a. At least 36 inches of pipe between filter and heater for future solar heating.

b. Cover for outdoor pools or outdoor spas.

3. Pool system has directional inlets and a circulation pump time switch.

115: Gas-fired central furnaces, pool heaters, spa heaters or household cooking appliances have no continuously burning pilot light (Exception: Non-electrical cooking appliances with pilot < 150 Btu/hr).

XLIGHTING MEASURES

Design-	Enforce-
er	ment

150(k)1: Luminaires for general lighting in kitchens shall have lamps with an efficacy of 40 lumens/watt or greater for general lighting in kitchens. This general lighting shall be controlled by a switch on a readily accessible lighting control panel at an entrance to the kitchen.

X

150(k)2: Rooms with a shower or bathtub must have either at least one luminaire with lamps with an efficacy of 40 lumens/watt or greater switched at the entrance to the room or one of the alternatives to this requirement allowed in Sec. 150(k)2.; and recessed ceiling fixtures are IC (insulation cover) approved.

X