

B

Type

11

Docs

0

Plans

BLD04-6673

Building Permit Number (List all associated with these documents)

9490

Street Number

El Camino

Street Name

JEN

Community Code

009-112-004

APN

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: BLD04-6673

Project Address: 9490 EL CAMINO JEN
Gross Street: WILLIG DR

APN: 099-112-004

Description: SFD - NEW PERIMETER FOUNDATION / BATH ADDN / NEW

Res/Com: R
Std/Quick: Q
Fire District: CSA #40 FIRE SERVICES

Status: **PREISSUE**
Printed: February 16, 2005
Initialized by: SPANTAZ1
Activity Type: B-BLD 401

Insp Area: 02
Site Review File #:
Site Review Fees Paid: \$112.00

Owner: MURPHY RICHARD
PO BOX 69
JENNER CA 95450-0069

707 865 3011

Applicant: MURPHY RICHARD
PO BOX 69
JENNER CA 95450-0069

707 865 3011

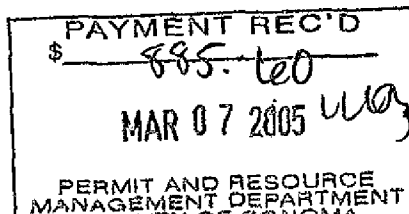
Valuation:				
Occupancy	Type	Factor	Sq Feet	Valuation
Dwellings	DWEL-Type V - Wd Frme	111.47	141	\$15,717.27
	Additional Amount...			12,515.36
	Totals...		141	\$28,232.63*

Fees:

Item#	Description	Account Code	Tot Fee	Prev. Pmts	Cur. Pmts
50	S.M.I.P. RESIDENTIAL	327023-4040	2.82	.00	.00
60	BLDG PERM PLAN CHECK FEE	025015-1341	397.16	360.04	.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	611.02	.00	.00
140	TECH ENHANCEMENT FEE	025015-4040	21.25	8.21	.00
735	NPDES - BUILDING	025015-1341	61.10	.00	.00
1165	ZONING PERMITS W/O D.R.	025015-3829	75.00	75.00	.00

\$1,440.85

\$555.25



Total Fees: \$1,440.85

Total Paid: \$555.25

Balance Due: \$885.60

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official may authorize refunding of not more than 80 percent of the plan review fee paid when an application is withdrawn or canceled before any plan reviewing is done.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

COUNTY OF SONOMA - PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

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

Please Print
Your Name:

Richard Murphy

Date
Applied:

11/15/04

INFORMATION WITHIN HEAVY LINE TO BE COMPLETED BY APPLICANT

SITE LOCATION INFORMATION - PRINT CLEARLY

Site Address: 9490 EL CAMINO	City: JENNER	ZIP: 95450
Cross-Street: WILLIS DR	Project Phone #: 865 3011	Project Fax #: 865 2475
Directions: 0299-112-004	Subd. Name: 507	Unit #: 1
Describe Project: 1 Replace Foundation Add 10 EXISTING BATH	Living Area: 507	Contract Price: \$25,000
	Garage:	
	Decks:	

OWNER NAME AND ADDRESS

Name: Richard Murphy	State: CA	ZIP: 95450
Mailing Address: PO Box 85	City: JENNER	State: CA
Day Ph: (707) 865 2377	Fax: (707) 865 0519	

APPLICANT NAME AND ADDRESS

Name: Nick Bennett	State: CA	ZIP: 95450
Mailing Address: PO Box 500	City: Middleburg	State: CA
Day Ph: (987) 3584	Fax: ()	

CONTRACTOR INFORMATION

Company Name: Hordhin Construction	State: CA	ZIP: 95450
Address:	City: Forestville	State: CA
Day Ph: ()	Fax: ()	

OTHER PERSONS (ARCHITECT, ENGINEER, ETC.)

Name: Nick Bennett	State: CA	ZIP: 95450
Address: PO Box 500	City: Middleburg	State: CA
Day Ph: (987) 3584	Fax: ()	

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 No.: _____

(This section need not be completed if the permit is for one hundred dollars (\$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 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.

Exp. Date: _____ Applicant: _____

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 3700 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

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):

☒ 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.).

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

Date: _____ Owner: _____

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: _____ Lic. No.: _____

Exp. Date: _____ Contractor: _____

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.

Signature: _____
ADDRESS: PO Box 85 CITY: JENNER ZIP: 95450

☐ Contractor ☐ Owner ☐ Other Licensed Professional

Final Date: _____ Inspector: _____

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

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: _____
Lenders Address: _____

PRCC FOR DEPARTMENT USE

Zoning: _____ File No.: _____ Acres: _____

Existing Use/Structures: _____

Proposed Use/Structures: ADDN 20' 5' Left 5' Right 20' Back 20'

Zoning Min. Yard Requirements: Front 20' Left 5' Right 20' Back 20'

NOTE: Fire Safe Standards require all parcels greater than 1 Acre to have a min. 30' setback unless mitigated. ☐ Mitigation Required ☐ Address subject to change

Approval for Permit Issuance: _____

By: _____ Date: 11/15/04

Conditions: Minor ADDN - NO CONSTRUCTION PERMIT REQUIRED PER DEB6

Sewer Connection: ☐ Available ☐ Fees Paid

Approved by: _____ Date: _____

Road Encroachment: ☐ Fees Paid

Approved by: _____ Date: 11/15/2004

Septic System Permit/Upgrade: _____

Approved by: _____ Date: 11/15/04

Flood Zone: ☐ Yes ☒ No 100 Year Flood Elevation: _____

Site Review: _____

Drainage Review: _____

Approved by: _____ Date: _____

Fire: _____

Approved by: _____ Date: _____

Code Enforcement Violation ☐ Yes ☒ No Violation # _____

This permit is limited to _____ days.

Work Authorized: ADD TO SFD

REPAIR FDN - PARTIAL

JOB ADDRESS: 9490 El Camino

PERMIT NUMBER: B1004-16673

INSPECTION AREA: 2

Distribution: White - File Canary - Applicant Pink - Audit Copy Blue - Assessor Cardstock - Inspector

131)	SPECIAL INSPECTION REQUIRED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	IF YES, SEE ADDITIONAL SHEET
	INSPECTION RECORD	DATE	NAME	REMARKS
101)	ROUGH GRADING			
103)	FOUNDATION			
	FORMS/SETBACK	12-6-05	RP	
	FOOTING			
	WALLS			
106)	UFER GROUND #4 copper			
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			
139)	U/F INSULATION			
126)	SHEAR WALLS	1-24-06	RP	
	<input type="checkbox"/> INTERIOR			
	<input checked="" type="checkbox"/> EXTERIOR			
127)	DIAPHRAGMS			
	<input checked="" type="checkbox"/> ROOF			
	<input type="checkbox"/> FLOOR	1-13-06	N.Y.	
134)	SIDING/SHEATHING	1-24-06	RP	partial 1-
125)	HOLD DOWNS	1-13-05	N.Y.	
132)	CLOSE-IN	2-1-06	RP	
122)	ROUGH ELECTRICAL			
123)	ROUGH MECHANICAL	2-1-06	RP	
124)	ROUGH PLUMBING			
128)	ROUGH FRAME	4-17-06	N.Y.	4-20-06 (142) Damage to roof & wall framing, wall board ok to tape. RP
160)	SMOKE DETECTORS			
139)	INSULATION			
142)	WALLBOARD	2-9-06	RP	
143)	FIREWALLS			
135)	STUCCO/PLASTER			
	<input type="checkbox"/> LATH			
	<input type="checkbox"/> SCRATCH			
137)	ROOFING			2-16-06
130)	TUB/SHOWER PAN			(142) Hardi-board @ tub ok to tile RP
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	4-3-06	N.Y.	
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			
177)	MECHANICAL FINAL			
178)	PLUMBING FINAL			
199)	FINAL	5-31-06	N.Y.	
	OCCUPANCY (OK TO OCCUPY)			
				PLAN RETENTION REQUIRED?
				<input type="checkbox"/> Yes <input type="checkbox"/> No

PERMIT # 34004-1623

B004-6673

SCHOOL DISTRICT CERTIFICATION OF COMPLIANCE

RETURN TO: Permit and Resource Management, County of Sonoma, 2350 Ventura Avenue, Santa Rosa, CA 95403

FROM: High School District _____ Elementary District _____

Proof of school development fee payment must be provided to Permit and Resource Management Department prior to permit issuance.

It is best to pay the school development fees after notification that the plan check is complete and the square footage is verified.

To be completed by applicant for building permit and verified by Permit and Resource Management, County of Sonoma

EFFECTIVE DATE: _____ (Date Plan Check Fee Was Paid) CITY RECEIPT NO. _____

PROJECT ADDRESS 9490 El CaminoPROPERTY OWNER'S NAME Richard Murphy

If applicable: Mobilehome Park Name: _____ Lot/Space No. _____

ASSESSOR'S PARCEL NO. 099-112-004

PROJECT DESCRIPTION: Include number of dwelling units. If agriculture, state specific use. Also include information regarding whether or not replacement dwelling, building used for religious purposes, private school or owned and occupied by governmental entity

SFD AddnBuilding Type: ☒ Residential ☐ Commercial/Industrial ☐ Mobilehome/Manufactured HomeSquare footage breakdown per residential unit: residential area* 141 #Total No. of residential units 1 Total Square Feet of Eligible Building Area*: 141 #

I declare under penalty of perjury under the laws of the State of California on behalf of _____

Developer/Owner

and that the information furnished above is accurate and correct to the best of my knowledge.

Applicant's Signature

The County of Sonoma (Permit and Resource Management) on 2-18, Year 2005 has verified the square footage and use information furnished by the above developer.County of Sonoma Signature Thelton

- * Residential Buildings are building occupancies for single and multiple family dwellings, apartments, condominiums, and residential hotels where the primary purpose is to provide a residence and not a service, such as health care.
- * Commercial/Industrial Area Buildings are building occupancies other than residential. Includes those buildings where the primary purpose is to provide a service, such as health care. Also includes senior citizen housing (Civil Code §1.3), residential care facility for elderly (FAS Code 15432(d)(3)), and adult only mobilehomes (Gov. Code 55955.9(a)).
- * Eligible Commercial/Industrial Area is all chargeable covered and enclosed space calculated by the building department. Chargeable Covered and Enclosed Space includes all the covered and enclosed space within the perimeter of a commercial or industrial structure but does not include any storage areas incidental to the principal use the development, garage, parking structure, unenclosed walkway, or utility or disposal area.
- * Eligible Residential Area means the Assessable Space calculated by the building department which includes all the square footage within the perimeter of a residential structure, but does not include any carport, walkway, overhang, patio, detached accessory structure, or similar area.

To be completed by school districts

SCHOOL DISTRICT CERTIFICATION

School District requirements for the above project have been satisfied pursuant to (circle one):

Ed. Code 17620FEES

Mitigation Agreement

Not Subject to Fee Requirement

This Certification covers only the amount of square footage identified above. Any additional square footage for the project is subject to another certification of compliance.

ELEM. SCHOOL DISTRICT rept. no. HIGH SCHOOL DISTRICT rept. no.

Square footage: _____ at \$ _____ sq.ft. Square footage: _____ at \$ _____ sq.ft.

Total Fee Amount Collected: \$ 0 Total Fee Amount Collected: \$ 0Authorized School District Official Diana J. J. J. Authorized School District Official Diana J. J. J.Date: 2/18/05 Date: 2/18/05

With regard to mobilehomes / manufactured homes, it is understood that the validity of any certificate of occupancy or Statement of Installation Acceptance issued by the City is conditioned on the concurrent payment of fees set forth above.

Applicant is hereby notified that anyone filing a protest on the imposition of Education Code Section 17620 fees must do so within 60 days from payment of the fee.

Grading Permit Questionnaire

BPC-017

Purpose: This form is used to determine if your project requires a grading permit in addition to a building permit. Grading is defined in Appendix Chapter 33 of the 2001 California Building Code (CBC) as "any excavating or filling or combination thereof." Grading can take the form of excavating and/or filling for foundations of structures, driveway construction and modification of topography. No person shall commence any grading without first having obtained a grading permit unless exempt as determined by the Permit and Resource Management Department (PRMD).

To determine if a project requires a grading permit, please answer the following questions. If you are unable to answer any questions, you should contact your design professional for assistance and/or consult with a PRMD plans examiner.

- ☐ Yes ☒ No ☐ Unknown
1. Does the project include an excavation that (1) is 2 feet or more in depth or (2) creates a cut slope greater than 5 feet in height and steeper than 1 unit vertical in 1 1/2 units horizontal that is not an excavation below finished grade for a basement, footing, retaining wall or other structure authorized by a valid building permit?
- ☐ Yes ☒ No ☐ Unknown
2. Does the project include a fill 1 foot or more in depth and placed on natural terrain with a slope steeper than 1 unit vertical in 5 units horizontal?
- ☐ Yes ☒ No ☐ Unknown
3. Does the project include a fill 3 feet or more in depth?
- ☐ Yes ☒ No ☐ Unknown
4. Does the project include a fill that is intended to support structures?
- ☐ Yes ☒ No ☐ Unknown
5. Does the project include a fill that exceeds 50 cubic yards on any one lot?
- ☐ Yes ☒ No ☐ Unknown
6. Does the project include an excavation or fill that alters or obstructs a drainage course?
- ☐ Yes ☒ No ☐ Unknown
7. Does the project include grading more than 5,000 cubic yards? (Soils report mandatory)

ACKNOWLEDGMENT

I, as the applicant, understand that a "YES" answer to any of the above questions means that I will need to apply for a grading permit. If any answers are "UNKNOWN" to me, I should contact my design professional immediately to determine if a grading permit is required.

I acknowledge that I will not be able to obtain a building permit for the site prior to issuance of the grading permit. I further acknowledge that obtaining a grading permit will add additional time to the review process.

Richard Murphy
Applicant Signature

RICHARD MURPHY
Applicant Printed Name

BLD 045275 099-112-004
Assessor's Parcel Number(s)

11/15/04
Date

9490 ELLAMINO TERRACE
Property Address

BLD 045275 06673
Building Permit (BLD) Number

FOR INTERNAL USE ONLY

Address: 9490 EL CAMINOP.C.# BLD 04- 0073Inspector: DAN BURNS / KEVIN RUYBALDate: 12/3/04

The proposed construction appears to be located in:

Flood Hazard:

☐ FIRM Flood Zone (ASFH) BFE = _____ ft. NGVD.

Lowest finish floor at 12 above BFE = _____ ft. NGVD.

☐ Design for moving water is recommended

Section _____ is _____ Ft/sec

Section _____ is _____ Ft/sec

☐ Area subject to flooding (not on adopted FIRM).☐ Project is on flood zone major damage list.☐ Flood Prone Urban Area defined by Ordinance #4906.☐ Portions of property in flood zone but project site not in flood zone.☐ Building is in FIRM Floodway☐ Main building on site is Post-FIRM☐ Sensitive drainage area, review by drainage section recommended.☐ Appears to be a "substantial improvement" (40%), therefore flood regulations apply.☐ Located inside the Laguna de Santa Rosa below elevation of 75 ft (Ord.#4906).

Geo-technical:

☐ Area of suspected slides, slumps, earth flow, or soil creep. (a.)☐ Area of previous fill placement. (g.)☐ Area of suspected expansive soil. (c.)☐ Area without sufficient slope setback as set forth in UBC Section 1806. (b.)☐ Area subject to possible liquefaction. (e.)☐ Area of suspected soft, compressible, or organic soil with low bearing capacity.

Soils Investigation:

☐ Area without recommended setback from stream (Drainage Division recommendations).☐ Area of high moisture content in soil. (f.)☐ Area subject to high erosion (water or wind).☐ Area of soft soil due to past deep ripping or cultivation below minimum foundation depth. (h.)☐ Area within 1000 feet of a solid waste disposal site.Required ☐ Included ☐ Available ☐

Geologic:

☐ Located in the Alquist-Priolo Special Studies Zone.☐ Geologic report required (see CGS Publication 42).

General:

☐ Building addition will affect the required light and ventilation in an existing room.☐ Indications of existing substandard conditions that are not addressed by the proposed construction.☐ Existing electric meter must be replaced.☐ Indications of past work done without a permit.☐ Existing gas meter must be replaced.☐ Grading permit required for road, driveway, or site preparation.Slope is 10% to 20%☐ Site is likely to be acceptable for conventional construction methods.

Wind:

Exposure "B"

Exposure "C"

Exposure "D"N.S.C. Air Pollution Control District ☒ Yes ☐ No

① Lower area looks to be 3 story, plans unclear.

② Existing house with current permit.

No visible problems.

Project Title Murphy Addition
Project Address 9490 El Camino Sonoma Coast
Documentation Author SOL * DATA Energy Consulting **Telephone** 707 545-4440
Prescription Reg. for Additions 1
Compliance Method (Package or Computer) _____ **Climate Zone** _____

Date 2/9/05

Building Permit #
Plan Check / Date
Field Check / Date
Enforcement Agency Use Only

GENERAL INFORMATION

Total Conditioned Floor Area 142 ft² **Average Ceiling Height:** 8 ft
Conditioned Slab Floor Area _____ ft²
Building Type: _____ Single Family ☒ Addition
 (check one or more) _____ Multi-Family _____ Existing-Plus-Addition
Front Orientation: 180° North (South) East / West / All Orientations
 (input front orientation in degrees from True North and circle one)
Number of Stories 2
Number of Dwelling Units: 1
Floor Construction Type: Slab Raised Floor (circle one or both)

RADIANT BARRIER (required in climate zones 2, 4, 8-15)

 Required for this submittal yes ☒ no

BUILDING ENVELOPE INSULATION

Component Type	Frame Type wd = wood stl = steel	Cavity Insulation R-Value	Sheathing Insulation R-Value	Total R- Value ¹	Assembly U-Factor ¹	Location/Comments (attic, garage, typical, etc.)
Wall	wood	R19		R19	0.065	typical
Wall						
Roof	wood	R38		R38	0.028	typical
Roof						
Floor	wood	R19		R19	0.037	typical
Floor						
Slab Edge						

¹ For prescriptive compliance, Total R-Value and Assembly U-Factor are not required for a wood-framed wall that meets cavity R-value insulation requirements for the Prescriptive Package.

FENESTRATION

Fenestration #/Type/Pos.	Orien- tation	Area (ft ²)	Fenestration U-Factor	Fenestration SHGC	Shading Devices	
					Exterior Shading Att.	Overhangs/ Fins
Front	South	8	0.55	0.65	na	na
Front						
Left						
Left						
Rear	North	9	0.55	0.65	na	na
Rear	North	8	0.55	0.65	na	na
Right	East	11.3	0.55	0.65	na	na
Right	East	12	0.55	0.65	na	na
Skylight						
Skylight						

Murphy Addition
Project Title

2/9/05
Date

HVAC SYSTEMS

Note: Input hydronic or combined hydronic data under Water Heating Systems, except Design Heating Load.

Heating Equipment Type (furnace, heat pump, etc.)	Minimum Efficiency (AFUE or HSPF)	Distribution Type and Location (ducts, attic, etc.)	Duct or Piping R-Value	Thermostat Type	Heat Pump Configuration (split or package)
---	---	--	------------------------------	--------------------	--

Existing systems

Cooling Equipment Type (air conditioner, heat pump, evap. cooling)	Minimum Efficiency (SEER)	Duct Location (attic, etc.)	Duct R-Value	Thermostat Type	Heat Pump Configuration (split or package)
--	---------------------------------	-----------------------------------	-----------------	--------------------	--

None

SEALED DUCTS and TXVs (or Alternative Measures)

- ☐ Sealed Ducts (all climate zones)
(Installer testing and certification and HERS rater field verification required)
- ☐ TXVs, readily accessible (climate zones 2 and 8-15 only)
(Installer testing and certification and HERS Rater or field verification required)
- ☐ Refrigerant Charge/Air Flow (climate zones 2 and 8-15 only)
(Installer testing and certification and HERS Rater or field verification required)

OR

- ☒ Alternative to Sealed Ducts and TXVs (see Package C or D Alternative Package Features for Project Climate Zone)

Climate Zone	Window SHGC	Window U-Factor	SEER	Heating
<u>1</u>	<u>NR</u>	<u>0.55</u>	<u>na</u>	<u>na</u>

WATER HEATING SYSTEMS

Water Heater Type	Distribution Type	Number in System	Rated ¹ Input (kW or Btu/hr)	Tank Capacity (gallons)	Energy ¹ Factor or Recovery Efficiency	Standby ¹ Loss (%)	External Tank Insulation R-Value
<u>Existing</u>							

1. For small gas storage water heaters (rated inputs 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 Rated Input, Recovery Efficiency and Standby Loss. For instantaneous gas water heaters, list rated input and recovery efficiencies.

SPECIAL FEATURES (add extra sheets if necessary). Package C and D: TXVs, Sealed Ducts, Radiant Barriers (see installation requirements for radiant barriers in Section 8.13 of the 2001 Residential Manual). Package C: thermal mass (thermal mass type, covering, thickness, and description).

See attached Table 7-2, Table 3-1, Table 3-2 and Section 7.2.3 with annotations for requirements of this project.

Allowed glazing area = 16% of new floor area plus glass removed.

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/Remarks section. The undersigned recognize that compliance using duct sealing and TXVs requires installer testing and certification and field verification by an approved HERS rater.

Designer or Owner (per Business and Professions Code)

Name: Richard Murphy

Title/Firm: _____

Address: _____

Telephone: 707 865-3011

Lic. # _____
 x [Signature] 2/10/05
 (signature) (date)
 (for Richard Murphy)

Documentation Author

Name: Sarah Pernula

Title/Firm: SOL x Data Energy Cons

Address: 401-C College Avenue

Santa Rosa CA 95401

Telephone: 707 545-4440

[Signature] 2/9/05
 (signature) (date)

Enforcement Agency

Name: _____

Title: _____

Agency: _____

Telephone: _____

 (signature / stamp) (date)

MANDATORY MEASURES CHECKLIST: RESIDENTIAL (Page 1 of 2) MF-1R

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.

Instructions: Check or initial applicable boxes when completed or enter N/A if not applicable.

DESCRIPTION	DESIGNER	ENFORCEMENT
Building Envelope Measures:		
* §150(a): Minimum R-19 ceiling insulation.	✓	
§150(b): Loose fill insulation manufacturer's labeled R-Value.	na	
* §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).	✓	
* §150(d): Minimum R-13 raised floor insulation in framed floors.	✓	
§150(l): Slab edge insulation - water absorption rate no greater than 0.3%, water vapor transmission rate no greater than 2.0 perm/inch.	na	
§118: Insulation specified or installed meets insulation quality standards. Indicate type and form.	✓	
§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.		
§150(g): Vapor barriers mandatory in Climate Zones 14 and 16 only.	na	
§150(f): Special infiltration barrier installed to comply with § 151 meets Commission quality standards.	na	
§150(e): Installation of Fireplaces, Decorative Gas Appliances and Gas Logs.	na	
1. Masonry and factory-built fireplaces have:		
a. Closeable metal or glass door		
b. Outside air intake with damper and control		
c. Flue damper and control		
2. No continuous burning gas pilot lights allowed.		
Space Conditioning, Water Heating and Plumbing System Measures:		
§110-§113: HVAC equipment, water heaters, showerheads and faucets certified by the Commission.	✓	
§150(h): Heating and/or cooling loads calculated in accordance with ASHRAE, SMACNA or ACCA.	na	
§150(i): Setback thermostat on all applicable heating and/or cooling systems.	na	
§150(j): Pipe and tank insulation	na	
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 systems.		
5. Cooling system piping below 55° F insulated.		
6. Piping insulated between heating source and indirect hot water tank.		

MANDATORY MEASURES CHECKLIST: RESIDENTIAL (Page 2 of 2) MF-1R

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.

Instructions: Check or initial applicable boxes when completed or enter N/A if not applicable.

DESCRIPTION	DESIGNER	ENFORCEMENT
Space Conditioning, Water Heating and Plumbing System Measures: (continued)		
<p>* §150(m): Ducts and Fans</p> <p>1. All ducts and plenums installed, sealed and insulated to meet the requirement of the 1998 CMC Sections 601, 603, 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 UL 181, UL 181A, or UL 181B. 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.</p> <p>2. Building cavities, support platforms for air handlers, and plenums defined or constructed with materials other than sealed sheet metal, duct board or flexible duct shall not be used for conveying conditioned air. Building cavities and support platforms may contain ducts. Ducts installed in cavities and support platforms shall not be compressed to cause reductions in the cross-sectional area of the ducts.</p> <p>3. 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.</p> <p>4. Exhaust fan systems have back draft or automatic dampers.</p> <p>5. Gravity ventilating systems serving conditioned space have either automatic or readily accessible, manually operated dampers.</p> <p>6. Protection of Insulation. Insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind but not limited to the following: Insulation exposed to weather shall be suitable for outdoor service e.g., protected by aluminum, sheet metal, painted canvas, or plastic cover. Cellular foam insulation shall be protected as above or painted with a coating that is water retardant and provides shielding from solar radiation that can cause degradation of the material.</p>	na	
<p>§114: Pool and Spa Heating Systems and Equipment.</p> <p>1. System is certified with 78% thermal efficiency, on-off switch, weatherproof operating instructions, no electric resistance heating and no pilot light.</p> <p>2. System is installed with:</p> <p>a. At least 36" of pipe between filter and heater for future solar heating.</p> <p>b. Cover for outdoor pools or outdoor spas.</p> <p>3. Pool system has directional inlets and a circulation pump time switch.</p>	na	
§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)	na	
§118 (f): Cool Roof material meet specified criteria	na	
Lighting Measures:		
§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.	na	
§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 §150(k)2.; and incandescent recessed ceiling fixtures are IC (insulation cover) approved.	✓	