B

Type

X

Plans

BLD09-2060

Permit Number

7671

Street Number

Atkinson Rd

Street Name

GRA

Community Code

130-262-011

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 Plan Check Invoice : BLD09-2060
This is not a Building Permit**

Project Address: 7671 ATKINSON RD GRA
Cross Street:
Fire District: GRATON FIRE GENERAL
APN: 130-262-011

Status: PREFINAL
Printed: Monday, August 31, 2009
Initialized by: CSTENLUN
Activity Type: B-BLD 801

Description: MAJOR REMODEL & 240 SQ FT ADD, NEW COVERED

Res/Com: R
Std/Quick: Q
Fire District: GRATON FIRE GENERAL
P/C Multiplier: 1

Insp Area: 04
Site Review File #:
Site Review Fees Paid: $136.00

Owner: CORDELL M KIM TR
7795 ATKINSON RD
SEBASTOPOL CA 95472-2629

Applicant: CORDELL M KIM TR
7795 ATKINSON RD
SEBASTOPOL CA 95472-2629

707 571 5532

PAYMENT RECD
$ 136.00
SEP 0 1 2009
PERMIT AND RESOURCE MANAGEMENT DEPARTMENT
COUNTY OF SONOMA

Valuation:

Occupancy	Type	Factor	Sq Feet	Valuation
Dwellings	DWEL-Type V - Wd Frme	127.55	46	$5,867.30
Dwellings	DWEL-Type V - Wd Frme	107.18	240	$25,723.20
Dwellings	Covered Porch/Patio	23.61	184	$4,344.24
	Additional Amount...			65,000.00
	Totals...		470	$100,934.74*

Fees:

Item#	Description	Account Code	Tot Fee	Prev. Pmts	Cur. Pmts
50	S.M.I.P. RESIDENTIAL	327023-4040	10.09	10.09	.00
52	CA BLDG STANDARDS SB1473	327031-4040	5.00	5.00	.00
60	BLDG PERM PLAN CHECK FEE	025015-1341	915.58	915.58	.00
62	ADDITIONAL PLANCHECK FEE	025015-1341	69.00	.00	.00
100	SITE REVIEW/ELEV. CERT.	025015-1341	136.00	136.00	.00
122	ELECTRICAL FEE	025015-1341	69.00	69.00	.00
123	MECHANICAL FEE	025015-1341	69.00	69.00	.00
124	PLUMBING FEE	025015-1341	69.00	69.00	.00
132	BUILDING PERMIT FEE	025015-1341	1,512.12	1,512.12	.00
140	TECH ENHANCE FEE	025015-4040	62.73	62.73	.00
145	PLAN ADMIN FEE	025015-221-0	226.82	226.82	.00
366	CLEARANCE OFFICE REVIEW	025015-1342	78.00	78.00	.00
706	DRN REV - MIN CLEARANCE	025015-3140	76.00	76.00	.00
735	NPDES - BUILDING	025015-1350	120.97	120.97	.00
1165	ZONING PERMITS W/O D.R.	025015-3829	91.00	91.00	.00
			$3,510.31	$3,441.31	

**These fees cover the cost of reviewing your plans prior to permit issuance. When your plans are approved, and BEFORE a building permit can be issued, payment of building permit fees is required.

Total Fees: $3,510.31
Total Paid: $3,441.31
Balance Due: $69.00

"**Refunds** of fees paid may be made pursuant to Section 108.6 of Appendix 1 of the California Building Code and adopted model codes, subject to the following: 1) 100% of a fee erroneously paid or collected. 2) 90% of the plan review fee when an application for a permit is withdrawn or canceled or expires or becomes void before any plan review effort has been expended. No portion of the plan review fee

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: M. Kim Cordell

Date Applied:

JOB ADDRESS: 7671 Atkinson Rd GRA

PERMIT NUMBER: BLD09-2060

INSPECTION AREA: 04

INFORMATION WITHIN HEAVY LINE TO BE COMPLETED BY APPLICANT

SITE LOCATION INFORMATION - PRINT CLEARLY

Site Address: 7671 Atkinson Rd	City: Sebastopol ZIP: 95472
Cross-Street: Hwy 116N 130-262-01	Project Phone #: (707 571-5532 Project Fax #: ( )
Directions:	Email address: Cordell@sonic.net Unit # Lot #
Describe Project: Existing house remodel	Living Area 1625 sqft Garage Decks Contract Price:

OWNER NAME AND ADDRESS	APPLICANT NAME AND ADDRESS
Name: M Kim Cordell Trust	Name: M Kim Cordell
Mailing Address: 7795 Atkinson Rd	Mailing Address:
City: Sebastopol State: CA ZIP: 95472	City: Same State: ZIP:
Day Ph: 707 571-5532 Fax: ( )	Day Ph: 707 823-1643 Fax: ( )

CONTRACTOR INFORMATION	OTHER PERSONS (ARCHITECT, ENGINEER, ETC.)
Company Name:	Name:
Address:	Address:
City: State: ZIP:	City: State: ZIP:
Day Ph: ( ) Fax: ( )	Day Ph: ( ) Fax: ( )
	License No: Exp. Date:

WORKER'S COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

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

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

Carrier ____
Policy 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 3706 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 ____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following website: http://www.leginfo.ca.gov/calaw.html.

6/2/09 (signature)

Date Signature of Property Owner or Authorized Agent

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)

PERMITTEE SIGNATURE

Same

ADDRESS CITY ZIP

☐ Contractor ☒ Owner ☐ Other Licensed Professional

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 ____

FOR DEPARTMENT USE

Zoning AR B6 File No. — Acres 1.0

Existing Use/Structures SFD & Gar

Proposed Use/Structures Porch & Livingroom

Zoning Min. Yard Requirements: Front 55 Left 10 Right 10 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: SB Date: 6/2/09

Approval for Occupancy: By: SB Date: 6/2/09

Conditions:

Sewer Connection: ☐ Available ☐ Fees Paid

Approved by: ____ Date: ____

Road Encroachment: ☐ Fees Paid

Approved by: ____ Date: ____

Septic System Permit/Clearance# SEP08-0241

Approved by: James A Johnson Date: 7/31/09

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

Site Review

Drainage Review: Approved by: (signature) Date: 8-2-09

Fire: Approved by: (signature) Date: 6-2-09

Code Enforcement Violation ☐ Yes ☒ No Violation # ____

This permit is limited to ____ days.

Work Authorized: MAJOR REMODEL/ADDN ROOF/SIDING

☒ Plans Approved		☐ Post FIRM	☐ Adjust Prior Report Available	
☐ No Plans Subject to Field Inspection		☐ Pre FIRM	☐ Geotechnical report Available	
Planchecked Cleared By: (initials)	Date:	Type of Construction VB	Occupancy R3	No. of Stories 1	No. of Bedrooms 2
Permit Cleared for Issuance By: CB	Date: 7-31-09	Auto. Fire Sprinklers Req'd	No of Units	Certificate of Occupancy

Machine Space for Permit Fee

PERMIT RECD AUG 01 2009 PERMIT AND RESOURCE MANAGEMENT DEPARTMENT COUNTY OF SONOMA

cmuller s:\handouts\css\CIS-007.cdr Revised: 01/29/2009

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

Distribution: White - File Canary - Applicant Blue - Assessor Cardstock - Inspector

131) SPECIAL INSPECTION REQUIRED	☒ YES	☐ NO	IF YES, SEE ADDITIONAL SHEET
INSPECTION RECORD	DATE	NAME	REMARKS
101) ROUGH GRADING			
103) FOUNDATION			(103) 8-6-09 See correction notice. RP
FORMS/SETBACK			
FOOTING			
WALLS			
106) UFER GROUND #			
104) CAISSONS/PIERS			
105) SLAB			(105) 8-31-09 Slab in house S. side RP
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			
☐ INTERIOR ☐ EXTERIOR	8/14/09 DP		
127) DIAPHRAGMS			
☐ ROOF 8/14/09 DP ☐ FLOOR			
134) SIDING/SHEATHING			
125) HOLD DOWNS			
132) CLOSE-IN			
122) ROUGH ELECTRICAL	9/2/09 DP		Need CF6R Bal test etc for mech system
123) ROUGH MECHANICAL			
124) ROUGH PLUMBING			
128) ROUGH FRAME			
160) SMOKE DETECTORS			
139) INSULATION	CANCEL 8/14/09 DP		
142) WALLBOARD			
143) FIREWALLS			
135) STUCCO/PLASTER			
☐ LATH ☐ SCRATCH			
137) ROOFING			
130) TUB/SHOWER PAN			
162) FIRE DAMPERS/DOORS			
164) SUSPENDED CEILING			
☐ ROUGH ELEC. ☐ ROUGH MECH.			
165) EXITING - RAMPS/STAIRS			
163) HANDRAILS/GUARDRAILS			Remodel
CORRIDORS/DOORS			
166) ACCESSIBILITY COMPLIANCE			
144) WATER TANKS			
☐ SLAB ☐ 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	10/13/10		
177) MECHANICAL FINAL			
178) PLUMBING FINAL			
199) FINAL	10-16-11 RP		
OCCUPANCY (OK TO OCCUPY)			

650) SUSMP INSPECTION		
651) NPDES EROSION COMPLIANCE		
652) NPDES SEDIMENT COMPLIANCE		
653) NPDES DOCS/SWPPP		
FIRE INSPECTION REQUIRED ☐ Yes ☒ No	DATE	NAME
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 ☐ Local ☐ County

HEALTH DEPARTMENT

ZONING

SANITATION

PLAN RETENTION REQUIRED? ☐ Yes ☐ No

PERMIT # Bldg-2060

Special Inspection and Testing Requirements

CNI-012

CORDELL	7671 ~~[illegible]~~ Atkinson Rd	BLD09-2060
Project Name	**Project Address**	**Permit No.**

Reinforced Concrete, Gunite, Grout and Mortar:

CBC 1701.5.1

Concrete	Gunite	Grout	Mortar	
				Aggregate Tests
				Reinforcing Tests
				Mix Designs
				Reinforcing Placement
				Batch Plant Inspection
				Inspect Placing
				Cast Samples
				Pick-up Samples
				Compression Tests

CBC 1701.5.1 and. 4

Piers	Grade Beams	Pre-tens	Pre-cast	
				Aggregate Tests
				Reinforcing Tests
				Tendon Tests
				Mix Designs
				Reinforcing Placement
				Insert Placement
				Concrete Batching
				Installation Inspection
				Cast Samples
				Pick-up Samples
				Compression Tests

Structural Observation by Architect or Engineer:

CBC 1702

✓	Foundation Observation
✓	Framing Observation
	Final Observation
	General Conformance Letters

Masonry:

CBC 1701.5.7

_____ Special Inspection Stresses Used
_____ Preliminary Acceptance Test (Masonry Units, Wall Prisms)
_____ Subsequent Tests (Mortar, Grout, Field Wall Prisms)
_____ Placement Inspection of Units

Embedded Bolts or Inserts:

CBC 1701.5.2 and .15

_____ Bolt/Insert Placement Inspection _____%
_____ Bolt/Insert Tension Test _____%
_____ Bolt/Insert Shear Test _____%
_____ Epoxy Mix & Placement Observation

Structural Steel / Welding:

CBC 1701.5.5 and .6

_____ Sample and Test (list specific members below)
_____ Shop Material Identification
_____ Welding Inspection _____ Shop _____ Field
_____ Ultra Sonic Inspection _____ Shop _____ Field
_____ High-Stress Bolting Inspection
_____ A325 _____ Shop _____ Field
_____ A490 _____ N _____ X _____ F
_____ Metal Deck Welding Inspection
_____ Reinforcing Steel Welding Inspection
_____ Metal Stud Welding Inspection
_____ Concrete Insert Welding Inspection

Structural Wood:

CBC 1701.5.15

_____ Horizontal Diaphragms
_____ Shear Wall Nailing Inspection
_____ Inspection of Glulam Fabrication
_____ Inspection of Truss Joint Fabrication
_____ Sample and Test Components

Geotechnical/Foundation:

CBC 1701.5.11 and .13

_____ Soils Engineer Plan Review Acceptance Letter
✓ Foundation Excavation
_____ Pier Holes
_____ Site Drainage
_____ Fill Material
_____ Placement Inspection
_____ Field Density
_____ Acceptance Letter
_____ Acceptance Letter

Fireproofing:

CBC 1701.5.10

_____ Placement Inspection
_____ Density Tests
_____ Thickness Tests
_____ Inspect Batching

Insulating Concrete:

CBC 1701.5.9

_____ Sample and Test
_____ Placement Inspection
_____ Unit Weights

Additional Instructions/Other Tests & Inspections:

RETROFIT HOLDOWNS } ENGINEER
FRAMING } OBSERVATION

Plans Examiner Flo Williams Date 7/28/09
Requirements specified by (Architect/Engineer of record) [signature] Date 6/1/09
Contractor _____ Date _____
Owner Cordell Date 7/29/09

Sonoma County Permit and Resource Management Department
2550 Ventura Avenue ❖ Santa Rosa, CA ❖ 95403-2829 ❖ (707) 565-1900 ❖ Fax (707) 565-2210

Certificate Of Compliance : Residential (Part 1 of 4) CF-1R

Cordell Residence Alteration
Project Title

5/14/2009
Date

7795 Atkinson Rd Sebastopol
Project Address

Building Permit #

Save Energy Consulting (707) 838-8505
Documentation Author Telephone

Plan Check/Date

EnergyPro CA Climate Zone 02
Compliance Method Climate Zone

Field Check/Date

TDV (kBtu/sf-yr)	Standard Design	Proposed Design	Compliance Margin
Space Heating	64.78	33.69	31.09
Space Cooling	27.16	16.27	10.89
Fans	6.03	3.48	2.55
Domestic Hot Water	0.00	0.00	0.00
Pumps	0.00	0.00	0.00
Totals	97.97	53.44	44.53
Percent better than Standard:			45.4%

BUILDING COMPLIES - NO HERS VERIFICATION REQUIRED

Building Type: [X] Single Family [ ] Addition
[ ] Multi Family [X] Existing + Add/Alt

Building Front Orientation: (SW) 246 deg
Fuel Type: Propane
Fenestration:
Area: 318 ft^2 **Avg. U:** 0.37
Ratio: 19.6% **Avg. SHGC:** 0.32

Total Conditioned Floor Area: 1,624 ft^2
Existing Floor Area: 1,624 ft^2
Raised Floor Area: 1,624 ft^2
Slab on Grade Area: 0 ft^2
Average Ceiling Height: 8.6 ft
Number of Dwelling Units: 1.00
Number of Stories: 1

BUILDING ZONE INFORMATION

Zone Name	Floor Area	Volume	# of Units	Zone Type	Thermostat Type	Vent Hgt.	Vent Area
Existing Res HVAC	1,624	13,966	1.00	Conditioned	Setback	2	n/a

OPAQUE SURFACES

Type	Frame	Area	U-Fac.	Insulation Cav.	Insulation Cont.	Act. Azm.	Tilt	Gains Y	Gains N	Condition Status	JA IV Reference	Location / Comments
Roof	Wood	818	0.025	R-38	R-0.0	246	9	X		Altered	01-A18 (E=01-A12)	Existing House
Roof	Wood	811	0.025	R-38	R-0.0	66	9	X		Altered	01-A18 (E=01-A12)	Existing House
Wall	Wood	391	0.102	R-13	R-0.0	246	90	X		Altered	09-A3 (E=09-A2)	Existing House
Wall	Wood	194	0.102	R-13	R-0.0	336	90	X		Altered	09-A3 (E=09-A2)	Existing House
Wall	Wood	313	0.102	R-13	R-0.0	66	90	X		Altered	09-A3 (E=09-A2)	Existing House
Wall	Wood	249	0.102	R-13	R-0.0	156	90	X		Altered	09-A3 (E=09-A2)	Existing House
Floor	Wood	1,624	0.037	R-19	R-0.0	0	180		X	Altered	20-A4 (E=20-A1)	Existing House

Certificate Of Compliance : Residential (Part 2 of 4) CF-1R

Cordell Residence Alteration — Project Title

5/14/2009 — Date

FENESTRATION SURFACES

#	Type	Area	U-Factor[1]	SHGC[2]	True Azm.	Tilt	Cond. Stat.	Glazing Type	Location/ Comments
1	Skylight Front (SW)	1.1	1.980 116-A	0.83 116-B	246	9	New	SolaTube.default	Existing House
2	Skylight Rear (NE)	1.1	1.980 116-A	0.83 116-B	66	9	New	SolaTube.default	Existing House
3	Skylight Rear (NE)	6.7	0.490 NFRC	0.30 NFRC	66	9	New	Velux LowE	Existing House
4	Window Front (SW)	20.0	0.990 116-A	0.74 116-B	246	90	Removed	Oper.Sngl.Wood.Default	Existing House
5	Window Front (SW)	20.0	0.990 116-A	0.74 116-B	246	90	Removed	Oper.Sngl.Wood.Default	Existing House
6	Window Front (SW)	6.0	0.990 116-A	0.74 116-B	246	90	Removed	Oper.Sngl.Wood.Default	Existing House
7	Window Front (SW)	6.0	0.990 116-A	0.74 116-B	246	90	Removed	Oper.Sngl.Wood.Default	Existing House
8	Window Front (SW)	15.0	0.990 116-A	0.74 116-B	246	90	Removed	Oper.Sngl.Wood.Default	Existing House
9	Window Front (SW)	15.0	0.990 116-A	0.74 116-B	246	90	Removed	Oper.Sngl.Wood.Default	Existing House
10	Window Front (SW)	15.0	0.990 116-A	0.74 116-B	246	90	Removed	Oper.Sngl.Wood.Default	Existing House
11	Window Front (SW)	15.0	0.990 116-A	0.74 116-B	246	90	Removed	Oper.Sngl.Wood.Default	Existing House
12	Window Front (SW)	8.4	0.360 NFRC	0.31 NFRC	246	90	New	Fiberglass.Fix.LowE	Existing House
13	Window Front (SW)	8.4	0.360 NFRC	0.31 NFRC	246	90	New	Fiberglass.Fix.LowE	Existing House
14	Window Front (SW)	8.4	0.360 NFRC	0.31 NFRC	246	90	New	Fiberglass.Fix.LowE	Existing House
15	Window Front (SW)	3.7	0.360 NFRC	0.31 NFRC	246	90	New	Fiberglass.Oper.LowE	Existing House
16	Window Front (SW)	3.7	0.360 NFRC	0.31 NFRC	246	90	New	Fiberglass.Oper.LowE	Existing House
17	Window Front (SW)	3.7	0.360 NFRC	0.31 NFRC	246	90	New	Fiberglass.Oper.LowE	Existing House
18	Window Front (SW)	8.0	0.360 NFRC	0.31 NFRC	246	90	New	Fiberglass.Fix.LowE	Existing House
19	Window Front (SW)	4.8	0.360 NFRC	0.31 NFRC	246	90	New	Fiberglass.Oper.LowE	Existing House

1. Indicate source either from NFRC or Table 116A. 2. Indicate source either from NFRC or Table 116B.

INTERIOR AND EXTERIOR SHADING

#	Exterior Shade Type	SHGC	Window Hgt.	Window Wd.	Overhang Len.	Overhang Hgt.	Overhang LExt.	Overhang RExt.	Left Fin Dist.	Left Fin Len.	Left Fin Hgt.	Right Fin Dist.	Right Fin Len.	Right Fin Hgt.
1	None	1.00												
2	None	1.00												
3	None	1.00												
4	Bug Screen	0.76												
5	Bug Screen	0.76												
6	Bug Screen	0.76												
7	Bug Screen	0.76												
8	Bug Screen	0.76												
9	Bug Screen	0.76												
10	Bug Screen	0.76												
11	Bug Screen	0.76												
12	Bug Screen	0.76												
13	Bug Screen	0.76												
14	Bug Screen	0.76												
15	Bug Screen	0.76												
16	Bug Screen	0.76												
17	Bug Screen	0.76												
18	Bug Screen	0.76												
19	Bug Screen	0.76												

THERMAL MASS FOR HIGH MASS DESIGN

Type	Area (sf)	Thick. (in.)	Heat Cap.	Cond.	Inside R-Val.	JA IV Reference	Condition Status	Location/ Comments

PERIMETER LOSSES

Type	Length	R-Val.	Insulation Location	JA IV Reference	Condition Status	Location/ Comments

Certificate Of Compliance : Residential (Part 2 of 4) CF-1R

Cordell Residence Alteration — Project Title

5/14/2009 — Date

FENESTRATION SURFACES

#	Type			Area	U-Factor[1]		SHGC[2]		True Azm.	Tilt	Cond. Stat.	Glazing Type	Location/ Comments
1	Skylight	Front	(SW)	1.1	1.980	116-A	0.83	116-B	246	9	New	SolaTube.default	Existing House
2	Skylight	Rear	(NE)	1.1	1.980	116-A	0.83	116-B	66	9	New	SolaTube.default	Existing House
3	Skylight	Rear	(NE)	6.7	0.490	NFRC	0.30	NFRC	66	9	New	Velux LowE	Existing House
4	Window	Front	(SW)	20.0	0.990	116-A	0.74	116-B	246	90	Removed	Oper.Sngl.Wood.Default	Existing House
5	Window	Front	(SW)	20.0	0.990	116-A	0.74	116-B	246	90	Removed	Oper.Sngl.Wood.Default	Existing House
6	Window	Front	(SW)	6.0	0.990	116-A	0.74	116-B	246	90	Removed	Oper.Sngl.Wood.Default	Existing House
7	Window	Front	(SW)	6.0	0.990	116-A	0.74	116-B	246	90	Removed	Oper.Sngl.Wood.Default	Existing House
8	Window	Front	(SW)	15.0	0.990	116-A	0.74	116-B	246	90	Removed	Oper.Sngl.Wood.Default	Existing House
9	Window	Front	(SW)	15.0	0.990	116-A	0.74	116-B	246	90	Removed	Oper.Sngl.Wood.Default	Existing House
10	Window	Front	(SW)	15.0	0.990	116-A	0.74	116-B	246	90	Removed	Oper.Sngl.Wood.Default	Existing House
11	Window	Front	(SW)	15.0	0.990	116-A	0.74	116-B	246	90	Removed	Oper.Sngl.Wood.Default	Existing House
12	Window	Front	(SW)	8.4	0.360	NFRC	0.31	NFRC	246	90	New	Fiberglass.Fix.LowE	Existing House
13	Window	Front	(SW)	8.4	0.360	NFRC	0.31	NFRC	246	90	New	Fiberglass.Fix.LowE	Existing House
14	Window	Front	(SW)	8.4	0.360	NFRC	0.31	NFRC	246	90	New	Fiberglass.Fix.LowE	Existing House
15	Window	Front	(SW)	3.7	0.360	NFRC	0.31	NFRC	246	90	New	Fiberglass.Oper.LowE	Existing House
16	Window	Front	(SW)	3.7	0.360	NFRC	0.31	NFRC	246	90	New	Fiberglass.Oper.LowE	Existing House
17	Window	Front	(SW)	3.7	0.360	NFRC	0.31	NFRC	246	90	New	Fiberglass.Oper.LowE	Existing House
18	Window	Front	(SW)	8.0	0.360	NFRC	0.31	NFRC	246	90	New	Fiberglass.Fix.LowE	Existing House
19	Window	Front	(SW)	4.8	0.360	NFRC	0.31	NFRC	246	90	New	Fiberglass.Oper.LowE	Existing House

1. Indicate source either from NFRC or Table 116A. 2. Indicate source either from NFRC or Table 116B.

INTERIOR AND EXTERIOR SHADING

#	Exterior Shade Type	SHGC	Window Hgt.	Window Wd.	Overhang Len.	Overhang Hgt.	Overhang LExt.	Overhang RExt.	Left Fin Dist.	Left Fin Len.	Left Fin Hgt.	Right Fin Dist.	Right Fin Len.	Right Fin Hgt.
1	None	1.00												
2	None	1.00												
3	None	1.00												
4	Bug Screen	0.76												
5	Bug Screen	0.76												
6	Bug Screen	0.76												
7	Bug Screen	0.76												
8	Bug Screen	0.76												
9	Bug Screen	0.76												
10	Bug Screen	0.76												
11	Bug Screen	0.76												
12	Bug Screen	0.76												
13	Bug Screen	0.76												
14	Bug Screen	0.76												
15	Bug Screen	0.76												
16	Bug Screen	0.76												
17	Bug Screen	0.76												
18	Bug Screen	0.76												
19	Bug Screen	0.76												

THERMAL MASS FOR HIGH MASS DESIGN

Type	Area (sf)	Thick. (in.)	Heat Cap.	Cond.	Inside R-Val.	JA IV Reference	Condition Status	Location/ Comments

PERIMETER LOSSES

Type	Length	R-Val.	Insulation Location	JA IV Reference	Condition Status	Location/ Comments

Certificate Of Compliance : Residential (Part 2 of 4) CF-1R

Cordell Residence Alteration — Project Title

5/14/2009 — Date

FENESTRATION SURFACES

#	Type			Area	U-Factor[1]		SHGC[2]		True Azm.	Tilt	Cond. Stat.	Glazing Type	Location/ Comments
39	Window	Rear	(NE)	20.0	0.990	116-A	0.74	116-B	66	90	Removed	Oper.Sngl.Wood.Default	Existing House
40	Window	Rear	(NE)	20.0	0.990	116-A	0.74	116-B	66	90	Removed	Oper.Sngl.Wood.Default	Existing House
41	Window	Rear	(NE)	10.8	0.360	NFRC	0.31	NFRC	66	90	New	Fiberglass.Fix.LowE	Existing House
42	Window	Rear	(NE)	36.8	0.360	NFRC	0.31	NFRC	66	90	New	Fiberglass.Oper.LowE	Existing House
43	Window	Rear	(NE)	40.0	0.320	NFRC	0.34	NFRC	66	90	New	Fiberglass.Sl.Dr.LowE	Existing House
44	Window	Rear	(NE)	27.5	0.360	NFRC	0.31	NFRC	66	90	New	Fiberglass.Oper.LowE	Existing House
45	Window	Rear	(NE)	5.9	0.360	NFRC	0.31	NFRC	66	90	New	Fiberglass.Oper.LowE	Existing House
46	Window	Rear	(NE)	8.4	0.360	NFRC	0.31	NFRC	66	90	New	Fiberglass.Fix.LowE	Existing House
47	Window	Rear	(NE)	8.4	0.360	NFRC	0.31	NFRC	66	90	New	Fiberglass.Fix.LowE	Existing House
48	Window	Rear	(NE)	8.4	0.360	NFRC	0.31	NFRC	66	90	New	Fiberglass.Fix.LowE	Existing House
49	Window	Rear	(NE)	3.7	0.360	NFRC	0.31	NFRC	66	90	New	Fiberglass.Oper.LowE	Existing House
50	Window	Rear	(NE)	3.7	0.360	NFRC	0.31	NFRC	66	90	New	Fiberglass.Oper.LowE	Existing House
51	Window	Rear	(NE)	3.7	0.360	NFRC	0.31	NFRC	66	90	New	Fiberglass.Oper.LowE	Existing House
52	Window	Right	(SE)	20.0	0.990	116-A	0.74	116-B	156	90	Removed	Oper.Sngl.Wood.Default	Existing House
53	Window	Right	(SE)	15.0	0.990	116-A	0.74	116-B	156	90	Removed	Oper.Sngl.Wood.Default	Existing House
54	Window	Right	(SE)	15.0	0.990	116-A	0.74	116-B	156	90	Removed	Oper.Sngl.Wood.Default	Existing House
55	Window	Right	(SE)	9.2	0.360	NFRC	0.31	NFRC	156	90	New	Fiberglass.Oper.LowE	Existing House

1. Indicate source either from NFRC or Table 116A. 2. Indicate source either from NFRC or Table 116B.

INTERIOR AND EXTERIOR SHADING

#	Exterior Shade Type	SHGC	Window Hgt.	Window Wd.	Overhang Len.	Overhang Hgt.	Overhang LExt.	Overhang RExt.	Left Fin Dist.	Left Fin Len.	Left Fin Hgt.	Right Fin Dist.	Right Fin Len.	Right Fin Hgt.
39	Bug Screen	0.76												
40	Bug Screen	0.76												
41	Bug Screen	0.76												
42	Bug Screen	0.76												
43	Bug Screen	0.76												
44	Bug Screen	0.76												
45	Bug Screen	0.76												
46	Bug Screen	0.76												
47	Bug Screen	0.76												
48	Bug Screen	0.76												
49	Bug Screen	0.76												
50	Bug Screen	0.76												
51	Bug Screen	0.76												
52	Bug Screen	0.76												
53	Bug Screen	0.76												
54	Bug Screen	0.76												
55	Bug Screen	0.76												

THERMAL MASS FOR HIGH MASS DESIGN

Type	Area (sf)	Thick. (in.)	Heat Cap.	Cond.	Inside R-Val.	JA IV Reference	Condition Status	Location/ Comments

PERIMETER LOSSES

Type	Length	R-Val.	Insulation Location	JA IV Reference	Condition Status	Location/ Comments

Certificate Of Compliance : Residential (Part 3 of 4) CF-1R

Cordell Residence Alteration — Project Title

5/14/2009 — Date

HVAC SYSTEMS

Location	Heating Type	Minimum Eff	Cooling Type	Minimum Eff	Condition Status	Thermostat Type
Existing Res HVAC	Central Furnace	78% AFUE	No Cooling	13.0 SEER	Existing	Setback

HVAC DISTRIBUTION

Location	Heating	Cooling	Duct Location	Duct R-Value	Condition Status	Ducts Tested?
Existing Res HVAC	Ducted	Ducted	Crawlspace	6.0	New	No

Hydronic Piping System Name	Pipe Length	Pipe Diameter	Insul. Thick.

WATER HEATING SYSTEMS

System Name	Water Heater Type	Distribution	# in Syst.	Rated Input (Btu/hr)	Tank Cap. (gal)	Condition Status	Energy Factor or RE	Standby Loss (%)	Tank Insul. R-Value Ext.

Multi-Family Central Water Heating Details

Control	Hot Water Pump #	HP	Type	Hot Water Piping Length (ft) In Plenum	Outside	Buried	Add 1/2" Insulation

REMARKS

COMPLIANCE STATEMENT

This certificate of compliance lists the building features and 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. The undersigned recognizes that compliance using duct design, duct sealing, verification of refrigerant charge and TXVs, insulation installation quality, and building envelope sealing require installer testing and certification and field verification by an approved HERS rater.

Designer or Owner (per Business & Professions Code)

Name:
Title/Firm: Hawkeye Home Design & Drafting
Address: 4851 Vine Hill Rd.
Sebastopol, CA 95472
Telephone: 707-829-5703 Lic. #:

(signature) 6-10-09 (date)

Documentation Author

Name: Skeer
Title/Firm: Save Energy Consulting
Address: 10555 Chalk Hill Road
Healdsburg, CA 95448
Telephone: (707) 838-8505

(signature) (date)

Enforcement Agency

Name:
Title/Firm:
Address:
Telephone:

(signature) (date)

CABEC
California Association of Building Energy Consultants
CERTIFIED ENERGY ANALYST
R 05-90-652 SKEER NR 05-90-731
Skeer

Certificate Of Compliance : Residential (Part 4 of 4) CF-1R

Cordell Residence Alteration
Project Title

5/14/2009
Date

Special Features and Modeling Assumptions

The local enforcement agency should pay special attention to the items specified in this checklist. These items require special written justification and documentation, and special verification to be used with the performance approach. The local enforcement agency determines the adequacy of the justification, and may reject a building or design that otherwise complies based on the adequacy of the special justification and documentation submitted.

	Plan	Field
The HVAC System "Existing Res HVAC" has the Ducts in the Crawlspace. Supply registers may be no more than 2 feet above the floor.		

HERS Required Verification

Items in this section require field testing and/or verification by a certified home energy rater under the supervision of a HERS provider using approved testing and/or verification methods.

	Plan	Field

Mandatory Measures Summary: 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. More stringent compliance requirements from the Certificate of Compliance supercede the items marked with an asterisk (*) below. 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.

DESCRIPTION — Check or initial applicable boxes or check NA if not applicable and included with the permit application documentation.	N/A	DESIGNER	ENFORCEMENT
Building Envelope Measures			
*§ 150(a): Minimum R-19 in wood ceiling insulation or equivalent U-factor in metal frame ceiling.	☐	☒	☐
§ 150(b): Loose fill insulation manufacturer's labeled R-Value:_____.	☐	☒	☐
*§ 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 or equivalent U-factor.	☐	☒	☐
§ 150(e): Installation of Fireplaces, Decorative Gas Appliances and Gas Logs.			
1. Masonry and factory-built fireplaces have:			
a. closable metal or glass door covering the entire opening of the firebox	☐	☐	☐
b. outside air intake with damper and control, flue damper and control	☐	☐	☐
2. No continuous burning gas pilot lights allowed.	☐	☐	☐
§ 150(f): Air retarding wrap installed to comply with § 151 meets requirements specified in the ACM Residential Manual.	☐	☐	☐
§ 150(g): Vapor barriers mandatory in Climate Zones 14 and 16 only.	☐	☐	☐
§ 150(l): Slab edge insulation - water absorption rate for the insulation alone without facings no greater than 0.3%, water vapor permeance rate no greater than 2.0 perm/inch.	☐	☐	☐
§ 118: Insulation specified or installed meets insulation installation quality standards. Indicate type and include CF-6R 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.	☐	☒	☐
Space Conditioning, Water Heating and Plumbing System Measures			
§ 110-13: HVAC equipment, water heaters, showerheads and faucets certified by the Energy Commission.	☐	☒	☐
§ 150(h): Heating and/or cooling loads calculated in accordance with ASHRAE, SMACNA or ACCA.	☐	☒	☐
§ 150(i): Setback thermostat on all applicable heating and/or cooling systems.	☐	☐	☐
§ 150(j): Water system pipe and tank insulation and cooling systems line 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. Back-up tanks for solar systems, unfired storage tanks, or other indirect hot water tanks have R-12 external insulation or R-16 internal insulation and indicated on the exterior of the tank showing the R-value.	☐	☐	☐
3. The following piping is insulated according to Table 150-A/B or Equation 150-A Insulation Thickness:			
1. First 5 feet of hot and cold water pipes closest to water heater tank, non-recirculating systems, and entire length of recirculating sections of hot water pipes shall be insulated to Table 150B.	☐	☒	☐
2. Cooling system piping (suction, chilled water, or brine lines), piping insulated between heating source and indirect hot water tank shall be insulated to Table 150-B and Equation 150-A.	☐	☐	☐
4. Steam hydronic heating systems or hot water systems > 15 psi, meet requirements of Table 123-A.	☐	☐	☐
5. Insulation must be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind.	☐	☒	☐
6. Insulation for chilled water piping and refrigerant suction piping includes a vapor retardant or is enclosed entirely in conditioned space.	☐	☐	☐
7. Solar water-heating systems/collectors are certified by the Solar Rating and Certification Corporation.	☐	☐	☐

NOTE: Lowrise residential buildings subject to the Standards must contain these measures regardless of the compliance approach used. More stringent compliance requirements from the Certificate of Compliance supercede the items marked with an asterisk (*) below. 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.

DESCRIPTION	Instructions: Check or Initial applicable boxes when completed or check N/A if not applicable.	N/A	DESIGNER	ENFORCEMENT
Space Conditioning, Water Heating and Plumbing System Measures: (continued)				
§ 150(m):	Ducts and Fans			
	1. All ducts and plenums installed, sealed and insulated to meet the requirements of the CMC Sections 601, 602, 603, 604, 605, and Standard 6-5; supply-air and return-air ducts and plenums are insulated to a minumum installed level of R-4.2 or enclosed entirely in conditioned space. Openings shall be sealed with mastic, tape or other duct-closure system that meets the applicable requirements of UL 181, UL 181A, or UL 181B or aerosol sealant that meets the requirements of UL 723. 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.	☐	☐	☐
	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.	☐	☐	☐
	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 draw bands.	☐	☐	☐
	4. Exhaust fan systems have back draft or automatic dampers.	☐	☒	☐
	5. Gravity ventilating systems serving conditioned space have either automatic or readily accessible, manually operating dampers.	☐	☒	☐
	6. Protection of Insulation. Insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. 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.	☐	☐	☐
	7. Flexible ducts cannot have porous inner cores.	☐	☐	☐
§ 114:	Pool and Spa Heating Systems and Equipment			
	1. A thermal efficiency that complies with the Appliance Efficiency Regulations, on-off switch mounted outside of the heater, weatherproof operating instructions, no electric resistance heating and no pilot light.	☐	☐	☐
	2. System is installed with:			
	a. At least 36" 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 fan-type 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)	☐	☐	☐
§ 118 (i):	Cool Roof material meets specified criteria	☐	☐	☐
Lighting Measures				
§ 150(k)1:	HIGH EFFICACY LUMINAIRES OTHER THAN OUTDOOR HID: contain only high efficacy lamps as outlined in Table 150-C, and do not contain a medium screw base socket (E24/E26). Ballasts for lamps 13 Watts or greater are electric and have an output frequency no less than 20 kHz.	☐	☒	☐
§ 150(k)1:	HIGH EFFICACY LUMINAIRES - OUTDOOR HID: contain only high efficacy lamps as outlined in Table 150-C, luminaire has factory installed HID ballast.	☐	☒	☐
§ 150(k)2:	Permanently installed luminaires in kitchens shall be high efficacy luminaires. Up to 50% of the Wattage, as determined in Section 130(c), of permanently installed luminaires in kitchens may be in luminaires that are not high efficacy luminaires, provided that these luminaires are controlled by switches separate from those controlling the high efficacy luminaires.	☐	☒	☐
§ 150(k)3:	Permanently installed luminaires in bathrooms, garages, laundry rooms, utility rooms shall be high efficacy luminaires. OR are controlled by an occupant sensor(s) certified to comply with Section 119(d).	☐	☒	☐
§ 150(k)4:	Permanently installed luminaires located other than in kichens, bathrooms, garages, laundry rooms, and utility rooms shall be high efficacy luminaires (except closets less than 70 ft) OR are controlled by a dimmer switch OR are controlled by an occupant sensor that complies with Section 119(d) that does not turn on automatically or have an always on option.	☐	☒	☐
§ 150(k)5:	Luminaires that are recessed into insulated ceilings are approved for zero clearance insulation cover (IC) and are certified to ASTM E283 and labeled as air tight (AT) to less than 2.0 CFM at 75 Pascals.	☐	☒	☐
§ 150(k)6:	Luminaires providing outdoor lighting and permanently mounted to a residential building or to other buildings on the same lot shall be high efficacy luminaires (not including lighting around swimming pools/water features or other Article 680 locations) OR are controlled by occupant sensors with integral photo control certified to comply with Section 119(d).	☐	☒	☐
§ 150(k)7:	Lighting for parking lots for 8 or more vehicles shall have lighting that complies with Sections 130, 132, and 147. Lighting for parking garages for 8 or more vehicles shall have lighting that complies with Section 130, 131, and 146.	☐	☐	☐
§ 150(k)8:	Permanently installed lighting in the enclosed, non-dwelling spaces of low-rise residential buildings with four or more dwelling units shall be high efficacy luminaires OR are controlled by occupant sensor(s) certified to comply with Section 119(d).	☐	☐	☐

SITE EVALUATION SHEET

Address 7671 ATKINSON RD **PC#** BL009-2060

Inspector **Date**

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 (Ordinance #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:	[X] Building addition will affect the required light and ventilation in an existing room. [X] Existing electric meter must be replaced. [ ] Existing gas meter must be replaced. Slope is 10%	[ ] Indications of existing substandard conditions that are not addressed by the proposed construction. [ ] Indications of past work done without a permit. [ ] Grading permit required for road, driveway, or site preparation. [X] 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

- Site is a hill TOP location highest point w/in 10 miles verify K_zt FACTOR IN ENG calcs.
- (E) SFD IS WEATHERED NEEDS TLC
- Remodel should include ALL siding replaced
- Check file for new garage for soils
- No issues

Soils-Sbc

Grading Permit Questionnaire

GRD - 002

Purpose: To assist applicants in determining if a grading permit is required for a proposed project.

Background: Grading is the removal and/or the deposition of earth material by artificial means. Earth material is defined as any rock or natural soil or combination thereof. Grading is generally a combination of excavation (cuts) and placement (fill) of soil. Common examples of grading include constructing a driveway, creating a building pad for further development, or stabilizing a slope. A grading permit is required prior to commencing any grading or related work, including preparatory site clearing and soil disturbance, except where exempted from permit requirements by Section 11.04.020 of the Sonoma County Code.

To determine if a project requires a grading permit, please answer the following questions. If any questions cannot be answered, contact a design professional for assistance and/or consult with the Permit and Resource Management (PRMD) Grading & Storm Water staff. **Incorrect answers may cause delays processing and/or issuing the permit(s) for the project.**

☐ Yes	☑ No	☐ Unknown	1. Does the project include cuts or fills exceeding 50 cubic yards of soil?*
☐ Yes	☑ No	☐ Unknown	2. Does the project include a cut greater than 2 feet in depth?*
☐ Yes	☑ No	☐ Unknown	3. Does the project create a cut slope greater than 5 feet in height and steeper than 2:1 (H:V)?*
☐ Yes	☑ No	☐ Unknown	4. Does the project include a fill greater than 3 feet in depth?
☐ Yes	☑ No	☐ Unknown	5. Does the project include fill between 1 foot and 3 feet in depth, and not intended to support a structure or surcharge, and placed on terrain with a natural slope steeper than 15%?
☐ Yes	☑ No	☐ Unknown	6. Does the project include fill greater than 1 foot in depth and intended to support a structure or surcharge?
☐ Yes	☑ No	☐ Unknown	7. Does the project include any fill within the Flood Prone Urban Area (FPUA)? See map on reverse side of this form for the location of the FPUA.
☐ Yes	☑ No	☐ Unknown	8. Does the project include any fill within a Special Flood Hazard Area designated by FEMA as subject to flooding by the 1% annual chance flood (100-year flood)?

* A "No" answer may be selected for excavations below finished grade for basements, tanks, vaults, swimming pools, and footings of a building, retaining wall, or other structure, where authorized by a valid building permit.

Acknowledgment:

I, as the applicant, understand that a "Yes" answer to **any** of the above questions means that a grading permit is required for my proposed project. Furthermore, the grading permit must be approved before a building permit can be approved for the site. If any answers are "Unknown" to me, I should contact my design professional immediately to determine if a grading permit is required.

M Kim Cordell
Applicant Printed Name

M T Cordell
Applicant Signature

June 2, 2009
Date

7671 Atkinson Rd Sebastopol
Property Address

Assessor's Parcel Number(s)

B09-7060
Building Permit Number(s)

Sonoma County Permit and Resource Management Department
2550 Ventura Avenue ❖ Santa Rosa, CA ❖ 95403-2829 ❖ (707) 565-1900 ❖ Fax (707) 565-2210

April 6, 2009

Structural Calculations and Design

For an addition and remodel

For Kim Cordell

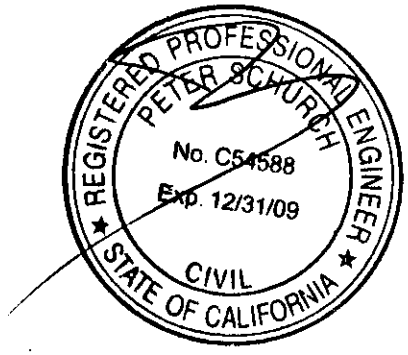
7671 Atkinson Road

Sebastopol, CA 95472

Prepared by Peter Schurch

References:

1. Architectural drawings by Hawkeye Home Design
2. NDS 2005
3. CBC 2007
4. ACSE 7-05
5. TJI Software v 6.20
6. Enercalc Software v 6.0
7. Retain Pro 2007 Software



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BUILDING PLAN CHECK
★ APPROVED ★
AUG 31 2009
PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

Peter Schurch
Civil and Structural Engineering

7528 Leland Street ı Sebastopol CA 95472 ı Phone 707-829-9052

August 24, 2009

7671

Re: Manufactured Trusses @ ~~7795~~ Atkinson Road, Sebastopol

To Whom It May Concern:

I reviewed the roof truss designs and found them to be in conformance with the overall structural design.

Yours truly,

P.S.

REGISTERED PROFESSIONAL ENGINEER
PETER SCHURCH
No C54868
Exp. 12/31/09
CIVIL
STATE OF CALIFORNIA

FILE BU09-2060