

B

Type



Plans

B-131942

Permit Number

10145

Street Number

CHERRY RIDGE RD

Street Name

GRA

Community Code

061-130-087

APN

# SITE REVIEW CHECKLIST

RETAIN

P- / B-      JOB ADDRESS:      UN 10145 Cherry Ridge Rd

The proposed construction appears to be located in:

Flood Hazard:	<input type="checkbox"/> FIRM Flood Zone (A.S.F.H.) <input type="checkbox"/> Portions of property in flood zone but project site not in flood zone. <input type="checkbox"/> Area subject to flooding (not on adopted FIRM). <input type="checkbox"/> Project is on flood zone major damage list. <input type="checkbox"/> Flood prone urban area defined by Ordinance #4467.	<input type="checkbox"/> FIRM Floodway <input type="checkbox"/> Design against moving water is recommended <input type="checkbox"/> required <input type="checkbox"/> Section _____ is _____ Ft/sec <input type="checkbox"/> Appears to be a "substantial improvement" (40%), therefore flood regulations apply. <input type="checkbox"/> Located inside the Laguna de Santa Rosa below elevation of 75 ft (Ord. #4467). <input type="checkbox"/> Sensitive drainage area, review by drainage section recommended.
Geo-technical:	<input type="checkbox"/> Area of previous fill placement. <input type="checkbox"/> Area within 1000 feet of a solid waste disposal site. <input type="checkbox"/> Area of highly expansive soil. <input type="checkbox"/> Area without sufficient slope setback as set forth in UBC Section 2907. <input type="checkbox"/> Area of suspected slides, slumps, earth flow, or soil creep.	<input type="checkbox"/> Area without recommended setback from stream (SCWA recommendations). <input type="checkbox"/> Area of high moisture content in soil. <input type="checkbox"/> Area subject to high erosion (water or wind). <input type="checkbox"/> Area subject to possible liquefaction. <input type="checkbox"/> Area of soft soil due to past deep ripping or cultivation below minimum foundation depth.
General:	Soils Report:      Required <input type="checkbox"/> <input type="checkbox"/> Located in the Alquist-Priolo Special Studies Zone. <input type="checkbox"/> Existing electric meter must be replaced. <input type="checkbox"/> Existing gas meter must be replaced. <input type="checkbox"/> Indications of existing substandard conditions that are not addressed by the proposed construction.	Available <input type="checkbox"/> <input type="checkbox"/> Geologic report required (see DMG Publication 42). <input type="checkbox"/> Building addition will effect the required light and ventilation in an existing room. <input type="checkbox"/> Indications of past work done without a permit. <input type="checkbox"/> Grading permit required for road, driveway, or site preparation. <input checked="" type="checkbox"/> Site is likely to be acceptable for conventional construction methods.

Slope is FLAT

☐ Probable wind exposure under 1991 UBC:    EXPOSURE "B"    EXPOSURE "C"    EXPOSURE "D"

Comments: Ridge top with gentle slope nearby. pad is already cut to lower soil horizon. Former apple orchard may have covered the site but ground shows no sign of disturbance.

Site Sketch:

Date: 9/14/95      Inspector: Stephen Johnson      (revised 8/95)

FIRE SAFE STANDARDS  
SITE REVIEW

Inspector S. JOHNSON

Date 9.14.95 FS

P.C.# \_\_\_\_\_ Address 10145 Cherry Ridge Rd

Fire District \_\_\_\_\_ Parcel size \_\_\_\_\_ acres  
Check Box[] or fillin \_\_\_\_\_ the following.

ADDRESS

Visible both directions of travel  
Address in sequence

yes ☒ no[]  
yes ☒ no[]

GATES N/A[]

30' setback from road  
Opens in or increased setback  
locked gate

N/A[] yes[] no ☒  
yes[] no ☒  
N/A[] yes[] no ☒

ROAD N/A[]

Existing prior to 1/1/92  
Meets county road standards

yes ☒ no[]  
yes[] no[] - ?

DRIVEWAY N/A[]

Existing prior to 1/1/92  
Reach all portions of the  
structure within 150' of the road  
Driveway over 150' in Length  
Length 1000 <sup>250'</sup> ± FT. 100'

yes[] no ☒  
yes[] no[]  
yes[] no[]

Grade not over 0-5%[] 5-10% ☒ 10-15% ☒  
Length of grade over 15% \_\_\_\_\_ FT.

Width of driveway 10' FT.

Bridges required

yes[] no ☒

EMERGENCY WATER SUPPLY

Public water system hydrant within 800'

yes[] no ☒

Hydrant type 4 1/2" [] 2 1/2" []

Onsite water minimum 2 gal. Pool proposed

Meets Fire Safe Standards

for future

yes[] no ☒

CLEARANCE OF FLAMMABLE VEGETATION N/A[]

Over one acre parcel

yes ☒ no[]

Terrain & slope 10% within 100' of building site  
upslope[] or downslope ☒ — all directions

Direction of slope face north[] south[] east[] west[]

Vegetation type grass[] woodland[] brush[] timber[]

other \_\_\_\_\_ (vineyard orchard etc) — ~~pre~~ prepared for future vineyard

Vegetation volume living fuel light ☒ medium[] heavy[]

Vegetation volume dead fuel light ☒ medium[] heavy[]

Fire history in area

Unknown ☒ yes[] no[]

Notes

# Vinson Engineering

P. O. Box 1651 Sebastopol, CA 95472

Phone & Fax (707) 824-1134

DV	Custom Residence for Barlow \ Shott 10145 Cherry Ridge Road Sebastopol, CA	Job # 95078
Date 7/11/95		1 of 27



Consulting Structural Engineers

Plan Check Responses 8/31/95

Kadello & Larsen # 95043

## DESIGN CRITERIA

**Uniform Building Code - 1991 Edition**

### Lateral Loads-

Wind = 22.6/26.2 psf [Exposure "C", 80 MPH, (0-15', 20')]

Seismic = 0.183 x W (Zone IV)



### Vertical Loads

	Dead	Live
Roof ( 7:12 comp)	___14___ psf	___16___ psf
Floor ( wood)	___10___ psf	___40___ psf
Exterior Walls ( stucco)	___15___ psf	-----
Interior Walls ( gyp brd )	___10___ psf	-----

### Foundation Design

Vinson Engineering has not made a field review of the building site and is not responsible for the general site stability or soil suitability for the proposed project. A review by a soil engineer or geologist may be desirable by the owner.

Foundation design is based on minimum footing dimensions as set forth in **Table 29A and B of Chapter 29** in the *Uniform Building Code*. Assume Class 5 soil with allowable soil bearing pressure of 1000 psf and a constant expansion index less than 20.

Project Name: Barlow / Shott Residence  
 Address: 10145 Cherry Ridge Rd.  
 Sebastopol, CA

Date: 8/24/1995

Building Permit No

Designer: Kadello & Larsen Arch. Designs

Checked by / Date

Documentation: KADELLO & LARSEN ARCHITECTURAL DESIGNS

COMPLY 24 User 3846

GENERAL INFORMATION

Compliance Method: COMPLY 24 version 4.11  
 Climate Zone: 2  
 Conditioned Floor Area: 3005 sqft  
 Building Type: Single Fam Det  
 Building Front Orientation: 270 deg (W)  
 Number of Dwelling Units: 1  
 Floor Construction Type: Raised Floor

BUILDING SHELL INSULATION

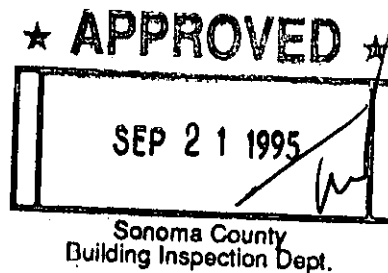
Component	U-Value	Location/Comments
R-13 Stucco (2x4.16)	0.084	Main Floor
R-30 Roof (R.30.2x12.24)	0.035	Main Floor
R-19 Floor (F.19.2x8.16)	0.038	Main Floor/R-6 Crawlspace

FENESTRATION

Orient.	Area	U-Val	Type	Shading Devices		Frame		
				Interior	Exterior	OH	SF	Type
Left (N)	139.0	0.48	Double	Std Drap	Standard Bug Scr	N	N	Vinyl
Back (E)	253.0	0.48	Double	Std Drap	Standard Bug Scr	N	N	Vinyl
Right (S)	73.0	0.48	Double	Std Drap	Standard Bug Scr	N	N	Vinyl
Front (W)	131.0	0.48	Double	Std Drap	Standard Bug Scr	N	N	Vinyl

THERMAL MASS

Type	Covering	Area (sf)	Thick (in)	Location/Description
NONE				



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HVAC SYSTEMS	Minimum System Type Efficiency	Distrib Type and Location	Duct RVal	TStat Type	Location/Comments
Furnace	0.800 AFUE	Ducts in Crawl	4.2	SetBck	Whole House
SpltAirCond	10.300 SEER	Ducts in Crawl	4.2	SetBck	

WATER HEATING SYSTEMS	System Name	Distribution Type	Water Heater Type	No. in Sys	Energy Factor	Tank Size (gal)	Ext. Insul R-Val
Std Gas 50 gal or Less		Recirc-Dem/PipeIns	StorGas	1	0.53	50.0	12.0

WATER HEATER EQUIPMENT DETAIL	System Name	System Type	AFUE /Rec Eff	Rated Input	Stdby Loss	Tank R-Val	Pilot Light
Std Gas 50 gal or Less		DomesticHW	0.780	40000	0.040	0.0	0

# SPECIAL FEATURES/REMARKS

## COMPLIANCE STATEMENT

This Certificate of Compliance lists the building features and performance specifications needed to comply with Title 24, Parts 1 & 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

## DESIGNER or OWNER

(Per Business & Professions Code)  
Kadello & Larsen Arch. Designs  
8733 Lakewood Dr. Suite E  
Windsor, CA  
(707) 838-2600

## DOCUMENTATION AUTHOR

Paul Larsen Architect  
KADELLO & LARSEN ARCHITECTURAL DESIG  
8733 Lakewood Drive, Suite #E  
Windsor, CA 95492  
(707) 838-2600

(signature) (date)

(signature) (date)

## ENFORCEMENT AGENCY

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Agency: \_\_\_\_\_  
Telephone: \_\_\_\_\_

★ APPROVED ★  
(signature/stamp) (date)  
SEP 21 1995  
Sonoma County  
Building Inspection Dept.

Project Name: Barlow / Shott Residence

Date: 8/24/1995

Documentation: KADELLO &amp; LARSEN ARCHITECTURAL DESIGNS

COMPLY 24 User 3846

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 binding minimum component performance specifications for the mandatory measures whether they are shown elsewhere in the documents or on this checklist only.

## BUILDING ENVELOPE MEASURES

## Enforcement

- o Sec. 150(a): Minimum R-19 ceiling insulation. \* \_\_\_\_\_
- o Sec. 150(b): Loose fill insulation manufacturers labeled R-Value. \_\_\_\_\_
- o Sec. 150(c): Minimum R-13 wall insulation in framed walls (does not apply to exterior mass walls). \* \_\_\_\_\_
- o Sec. 150(d): Minimum R-13 raised floor insulation in framed floors; Minimum R-8 in concrete raised floors. \* \_\_\_\_\_
- o Sec. 150(l): Slab edge insulation - water absorption rate no greater than 0.3%, water vapor transmission rate no greater than 2.0 perm/inch. \_\_\_\_\_
- o Sec. 118: Insulation specified or installed meets California Energy Commission quality standards. Indicate Type & form. \_\_\_\_\_
- o Sec. 116-117: Fenestration Products, Ext Doors & Infil/Exfil Controls
  - a. Doors and windows between conditioned and unconditioned spaces designed to limit air leakage.
  - b. Manufactured fenestration products have label w/certified U-Value
  - c. Exterior doors and windows weatherstripped; all joints and penetrations caulked and sealed.\_\_\_\_\_
- o Sec. 150(g): Vapor barriers mandatory in Climate Zones 14 and 16 only. \_\_\_\_\_
- o Sec. 150(f): Special infiltration barrier installed to comply with Sec. 151 meets Commission quality standards. \_\_\_\_\_
- o Sec. 150(e): Installation of Fireplaces, Decorative Gas Appliances and Gas Logs
  - 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 pilots allowed.\_\_\_\_\_

Project Name: Barlow / Shott Residence

Date: 8/24/1995

Documentation: KADELLO &amp; LARSEN ARCHITECTURAL DESIGNS

COMPLY 24 User 3846

## SPACE CONDITIONING, WATER HEATING AND PLUMBING SYSTEM MEASURES Enforcement

- o Sec. 110-13: HVAC equipment, water heaters, showerheads and faucets certified by the Commission.
- o Sec. 150(i): Setback thermostat on all applicable heating systems.
- o Sec. 150(j): Pipe and Tank Insulation
  1. Indirect hot water tanks (eg unfired storage tanks or backup solar hot water tanks) have insulation blanket (R-12 or greater) or combined interior/exterior insulation (R-16 or greater).
  2. First 5 feet of pipes closest to water heater tank, non-recirculation systems, insulated (R-4 or greater).
  3. All buried or exposed piping insulated in recirculation sections of hot water system.
  4. Cooling system piping below 55 F insulated.
  5. Piping insulated between heating source and indirect hot water tank.
- o Sec. 150(m) Ducts and Fans \*
  1. Ducts constructed, installed and sealed to comply with UMC Sections 1002 and 1004; ducts insulated to a minimum R-4.2 or ducts enclosed entirely within conditioned space.
  2. Exhaust systems have backdraft or automatic dampers.
  3. Gravity ventilating systems serving conditioned space have either automatic or readily accessible manually operated dampers.
- o Sec. 114: Pool and Spa Heating Systems and Equipment
  1. System is certified with 78% thermal efficiency, on-off switch, weatherproof operating instructions, no electric resistance heating and no pilot light.
  2. System is installed with:
    - a. At least 36" 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.
- o Sec. 115: Gas-fired central furnace, pool heater, spa heater or household cooking appliance have no continuously burning pilot light. (Exception: Non-electrical cooking appliance with pilot < 150 Btuh)

## LIGHTING MEASURES

- o Sec. 150(k): Lighting - 40 lumens/watt or greater for general lighting in kitchens and rooms with water closets; and recessed ceiling fixtures IC (insulation cover) approved.



# SCHOOL DISTRICT CERTIFICATION OF COMPLIANCE

RETURN TO: Permit and Resource Management, County of Sonoma, 2550 Ventura Ave., Santa Rosa, California 95403 (as of July, 1995)

FROM: High School District Analy Elementary District Sebastopol

THIS CERTIFICATION IS VOID IF NOT RETURNED TO THE BUILDING INSPECTION DEPARTMENT  
WITHIN 30 DAYS AFTER THIS FORM IS SIGNED AND DATED BY THE SCHOOL DISTRICTS

[To be completed by applicant for building permit(s) and verified by Permit and Resource Management]

EFFECTIVE DATE 9-5-95 (Date Plan Check Fee Was Paid) CITY RECEIPT NO. 32761

PROJECT ADDRESS 10143 Cherry Ridge Rd.

PROPERTY OWNER'S NAME Shott

If applicable: Mobilehome Park Name \_\_\_\_\_ Lot/Space Number \_\_\_\_\_

ASSESSOR'S PARCEL NO. 061-130-087

PROJECT DESCRIPTION - Include number of dwelling units. If agricultural, 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.

Building Type: ☒ Residential ☐ Commercial/Industrial ☐ Mobilehome/Manufactured Home

Square footage breakdown per residential unit: residential area\* \_\_\_\_\_

Total No. of residential units \_\_\_\_\_ Total Square Feet of Eligible Building Area\*: 3005 #

I declare under penalty of perjury under the laws of the State of California on behalf of \_\_\_\_\_ (Developer/Owner) that the information furnished above is accurate and correct to the best of my knowledge.

The County of Sonoma Permit and Resource Management on Sept. 5, 19 95 has verified the square footage and use information furnished by the above developer.  
County of Sonoma Signature W. H. DiRicco Applicant's Signature \_\_\_\_\_

- \* **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 services, such as health care.
- \* **Commercial/Industrial 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 51.3), residential care facility for elderly [H&S Code 15432(d)(9)], and adult only mobilehomes [Gov. Code 65995.2(a)]
- \* **Eligible Commercial/Industrial Area** is all chargeable covered and enclosed space calculated by the building department. **Chargeable Covered and Enclosed Space** include 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 of 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):

Gov. Code 53080      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	recpt. no.	HIGH SCHOOL DISTRICT	recpt. no.
Square footage: <u>2080</u>	at \$ <u>1.72</u> / sq. ft.	Square footage: <u>945</u>	at \$ <u>1.65</u> / sq. ft.
Total Fee Amount collected: \$ <u>1722.3577.60</u>		Total Fee Amount collected: \$ <u>1559.25</u>	
Authorized School District Official <u>Doreen Bechtold</u>		Authorized School District Official <u>Doreen Bechtold</u>	
Date: <u>9-26-95</u> <u>Accts. Clerk</u> signature title		Date: <u>9-26-95</u> <u>Accts. Clerk</u> signature title	

With regards 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.