

B

Type

15

Docs

4

Plans

B-132065

Building Permit Number

22153

Street Number

Pine Ct

Street Name

TIM

Community Code

109-380-027

APN

# COUNTY OF SONOMA

## PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

2550 Ventura Avenue, Santa Rosa, CA

(707) 527-1900 FAX (707) 527-1103

BUILDING PERMIT RECEIPT

B-132065

Date: Sep 15 1995  
Time: 15:47

Site Location Information

Address: 22153 PINE CT TIM  
Cross Street: RUOFF DR

APN: 109-380-027  
Activity Type: B-BLD 9505

<p style="text-align: center;">Owner</p> <p>MC KUSICK TIMOTHY H &amp; MARYLOU 152 CAMINO DEL PRADO SANTA ROSA CA 954031996</p>	<p style="text-align: center;">Applicant</p> <p>MC KUSICK TIMOTHY H &amp; MARYLOU 1952 CAMINO DEL PRADO SANTA ROSA CA 954031996</p>
<p style="text-align: center;">Contractor</p> <p>Lic. #:</p>	<p style="text-align: center;">Architect or Engineer</p>

Date: 09/15/95 Expires: Printed By: BKEARNS  
This Permit qualified for fee waiver (Y/N): N

Permit Description: NEW SFD, COVERED PORCH, DECKS  
Valuation/Contract Price of Work: \$170,362.90

Occupancy	Type	Factor	Sq. Feet	Valuation
Dwellings/Deck/Patio	Type V - Wood Frame	74.00	2,301	170,274.00
Dwellings/Deck/Patio	Residential Deck	7.35	384	2,822.40
Dwellings/Deck/Patio	Covered Porch/Patio	7.35	384	2,866.50
		Subtotal:	3,075	175,262.90
		Multiplier 1.00:		175,962.90
		Addl Fixed Amount:		5,000.00
		Total Valuation:		170,962.90

Table Date: 07/01/1995

Item #	Item Account Code	Description	Fee	Prev. Paid
0011	025619-1341	INSPECTIONS - OTHER	\$ .00	\$ .00
0012	025619-1341	INSP. OUTSIDE NORMAL HRS	\$ .00	\$ .00
0013	025619-1341	REINSPECTION(S) FEE	\$ .00	\$ .00
0018	025619-1341	PROCESSING FEE	\$18.00	\$ .00
0050	925404-4040	S.M.I.P RESIDENTIAL	\$17.10	\$ .00
0060	025619-1341	BLDG PERM PLAN CHECK FEE	\$ .00	\$ .00
0062	025619-1341	ADDITIONAL PLANCHECK FEE	\$ .00	\$ .00
0100	025619-1341	BLDG SITE REVIEW FEE	\$ .00	\$ .00
0120	025619-1341	ADDITIONAL FEE FIRE REV.	\$ .00	\$ .00
0121	025619-1341	FIRE S.S. REFERRAL FEES	\$ .00	\$ .00
0122	025619-1341	ELECTRICAL FEE	\$69.03	\$ .00
0123	025619-1341	MECHANICAL FEE	\$27.30	\$ .00
0124	025619-1341	PLUMBING FEE	\$3.35	\$ .00
0132	025619-1341	BUILDING PERMIT FEE	\$913.70	\$ .00
0220	025213-1600	VIO. PENALTY FEE (BLDG)	\$ .00	\$ .00
0221	025213-4114	VIO. INVEST. FEE (BLDG)	\$ .00	\$ .00
1165	025627-3829	ZONING PERMITS W/O D.R.	\$17.00	\$ .00
2000	925032-4040	PRM-CO-WDE CE DEV FEE TR	\$ .00	\$ .00
2001	925040-4040	PRM-CO-WDE NO DEV FEE TR	\$ .00	\$ .00
2002	925057-4040	PRM-CO-WDE SO DEV FEE TR	\$ .00	\$ .00
2003	925065-4040	PRM-CO-WDE WE DEV FEE TR	\$ .00	\$ .00
2005	925073-4040	PRM-EASTMN LN DEV FEE TR	\$ .00	\$ .00
2006	925107-4040	PRM-MOORLAND DEV FEE TR	\$ .00	\$ .00
2007	925024-4040	PRM LARK/WIK SP PLN DEV	\$ .00	\$ .00
2008	925081-4040	PRM-SONOMA VLY DEV FEE T	\$ .00	\$ .00
5011	025619-1341-WAIVED	INSPECTIONS - OTHER	\$ .00	\$ .00
5012	025619-1341-WAIVED	INSP. OUTSIDE NORMAL HRS	\$ .00	\$ .00
5013	025619-1341-WAIVED	REINSPECTION(S) FEE	\$ .00	\$ .00
5018	025619-1341-WAIVED	PROCESSING FEE	\$ .00	\$ .00
5060	025619-1341-WAIVED	BLDG PERM PLAN CHECK FEE	\$ .00	\$ .00
5062	025619-1341-WAIVED	ADDITIONAL PLANCHECK FEE	\$ .00	\$ .00
5100	025619-1341-WAIVED	BUILDING SITE REVIEW FEE	\$ .00	\$ .00
5121	025619-1341-WAIVED	FIRE S.S. REFERRAL FEE	\$ .00	\$ .00
5122	025619-1341-WAIVED	ELECTRICAL FEE	\$ .00	\$ .00
5123	025619-1341-WAIVED	MECHANICAL FEE	\$ .00	\$ .00
5124	025619-1341-WAIVED	PLUMBING FEE	\$ .00	\$ .00
5132	025619-1341-WAIVED	BUILDING PERMIT FEE	\$ .00	\$ .00
5220	025213-1600-WAIVED	VIOLATION PENALTY FEE	\$ .00	\$ .00
5221	025213-4114-WAIVED	VIOLATION INVEST'G FEE	\$ .00	\$ .00
6165	025627-3829-WAIVED	ZONING PERMITS W/O D.R.	\$ .00	\$ .00
7000	925032-4040-WAIVED	PRM-CO-WDE CE DEV FEE TR	\$ .00	\$ .00
7001	925040-4040-WAIVED	PRM-CO-WDE NO DEV FEE TR	\$ .00	\$ .00
7002	925057-4040-WAIVED	PRM-CO-WDE SO DEV FEE TR	\$ .00	\$ .00
7003	925065-4040-WAIVED	PRM-CO-WDE WE DEV FEE TR	\$ .00	\$ .00
7005	925073-4040-WAIVED	PRM-EASTMN LN DEV FEE TR	\$ .00	\$ .00
7006	925107-4040-WAIVED	PRM-MOORLAND DEV FEE TR	\$ .00	\$ .00
7007	925024-4040-WAIVED	PRM LARK/WIK SP PLN DEV	\$ .00	\$ .00
7008	925081-4040-WAIVED	PRM-SONOMA VLY DEV FEE T	\$ .00	\$ .00
			\$1,150.48	\$ .00

Total Calculated Fees \$1,150.48  
 Total Additional Fees \$ .00  
 Previously Paid \$ .00  
 CASH REGISTERED VALIDATION

015029 09/15/95A01  
 0132065  
 SIEF... \$1150.48  
 \*\*\*... \$1150.48  
 CHES... \$1150.48  
 CH... \$0.00

**SONOMA COUNTY  
BUILDING INSPECTION**

575 ADMINISTRATION DRIVE  
SANTA ROSA, CALIFORNIA 95401  
TELEPHONE (707) 527-2231

**OWNER**  
NAME: Timothy A. McKusick  
ADDRESS: 22153 Pine Ct TEL. NO.: 8473709  
CITY: Timber Cove/Jenner ZIP CODE: 95450

**PROJECT**  
ADDRESS: 22153 Pine Ct  
CITY: Timber Cove/Jenner  
SUBDIVISION NAME: Timber Cove UNIT NO. \_\_\_\_\_ LOT \_\_\_\_\_ BLOCK \_\_\_\_\_  
ASSESSOR'S PARCEL NO.: 109-380-27  
NEAREST CROSS STREET: Ruoff DR

**CONTRACTOR**  
NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ TEL. NO.: \_\_\_\_\_  
CITY: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_  
STATE LIC. NO. \_\_\_\_\_ LIC. CLASS \_\_\_\_\_

**DESIGNER**  
NAME: McKusick/Howard LIC. NO. \_\_\_\_\_  
ADDRESS: 22153 Pine Ct TEL. NO.: 8473709  
CITY: Jenner ZIP CODE: 95450

**LICENSED CONTRACTORS DECLARATION:** I hereby affirm 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.

**OWNER-BUILDER DECLARATION:** I hereby affirm 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, for its issuance, also requires the applicant for such permit to file a signed statement that he 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 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 Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his 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 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 Contractor's License Law does not apply to an owner of property who builds or improves thereon or contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.  
 I am exempt under Section \_\_\_\_\_ B.P.C. for this reason.

**WORKER'S COMPENSATION DECLARATION:** I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof filed with the Building Inspection Department (Sec. 3800, Lab. C.).  
Policy No. \_\_\_\_\_ Insurance Co. \_\_\_\_\_  
Applicant's Signature: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

**CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE:** I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.  
Owner's or Contractor's Signature: \_\_\_\_\_

**CONSTRUCTION LENDING AGENCY:** I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).  
Lender's Name: \_\_\_\_\_  
Lender's Address: \_\_\_\_\_

**APPLICANT**  
NAME: Tim McKusick  
ADDRESS: 22153 Pine Ct CITY: Jenner ZIP CODE: 95450  
I certify that I have read this application and state that the above information is correct, and that I am the owner or the duly authorized agent of the owner. I agree to comply with all County and State laws relating to building construction. I hereby authorize representatives of the County of Sonoma to enter upon the above-manifested property for inspection purposes. If, after making the Certificate of Exemption from the Workers' Compensation provisions of the Labor Code I should become subject to such provisions, I will forthwith comply. In the event I do not comply with the Workers' Compensation law, this permit shall be deemed revoked.  
SIGNATURE: \_\_\_\_\_ DATE: 3-24-95  
 CONTRACTOR  OWNER  AGENT FOR CONTRACTOR  AGENT FOR OWNER

**PLANNING DEPARTMENT**  
ZONING: RRCK B7 FILE NO.: CP-95-168 ACRES: 1.73  
EXISTING USE: VACANT  
PROPOSED USE: 3FD NO GARAGE 1/1  
YARDS: FRONT 20 LEFT SIDE 5 RIGHT SIDE 5 REAR 20  
PLANNING APPROVALS: 30 30  
FOR PERMIT ISSUANCE: \_\_\_\_\_  
FOR OCCUPANCY: \_\_\_\_\_  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_

**REMARKS:**  
Underground Utilities

CERTAIN AREAS WITHIN SONOMA COUNTY MAY BE GEOLOGICALLY HAZARDOUS. YOU ARE INVITED TO REVIEW ANY GEOLOGIC DATA THAT THIS DEPT. HAS AVAILABLE TO AID YOU IN MAKING A DETERMINATION AS TO THE SUITABILITY OF A PROPOSED BUILDING SITE.  
CONDITION OF SOIL AT JOB SITE:  
 ORIGINAL  ENGINEERED FILL  LOOSE FILL

SITE REVIEW: 15 to 18%  
OK Slopes SET BACK 10'  
DECLENDING SLOPE  
SEE NEARBY  
3-27-95 REMOVED 5/11/95 129601

REQUIRED REPORTS:  
 GEOLOGY  SOILS  COMPACTION  
 FLOOD ZONE No  
100 YR. ELEV. \_\_\_\_\_ FFL \_\_\_\_\_ RATE ZONE \_\_\_\_\_  
SEWER CONNECTION: \_\_\_\_\_ SANITATION ENGINEER \_\_\_\_\_  
APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

SEPTIC TANK INSTALLATION: \_\_\_\_\_ HEALTH DEPARTMENT \_\_\_\_\_  
PERMIT NUMBER: \_\_\_\_\_ OR CLEARANCE: \_\_\_\_\_  
DATE REC'D: \_\_\_\_\_ DATE ISSUED: \_\_\_\_\_

DESCRIBE WORK TO BE DONE: 3FD

NEW	ADDITION	ALTERATION	REPAIR	MOVING	DEMOLISH	CCC	CHG
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		SIZE IN SQUARE FEET	RATE PER SQUARE FOOT				VALUE
FLOOR AREA		<u>2301</u>	<u>1.42</u>				
GARAGE CARPORT							
DECK		<u>234</u>	<u>1.42</u>				
LANDSCAPING		<u>2/23/95</u>	<u>310</u>	<u>1.42</u>			
							TOTAL

FEES - Per Chapter 7, Title 1, Section 1, Sonoma County Code

- BUILDING
  - PLAN CHECK 31896
  - PLUMBING
  - ELECTRICAL
  - MECHANICAL
  - GRADING
  - SITE REVIEW 31896
  - PLANNING
  - LATE FEES
  - SCHOOL IMPACT
  - PROCESSING
- TOTAL \$ \_\_\_\_\_

APPROVED BY: JOB/WE DATE: 3-17-95

DATE RECEIVED	REC'D BY	PREVIOUS PERMIT NO.	DATE ISSUED
<u>3-24-95</u>	<u>SSA</u>		<u>9-15-95</u>
MACHINE SPACE FOR PERMIT FEE			
# <u>015025 09 15/95AD</u>			
# <u>013208</u>			
SIERRA \$1150.48			
METTL \$1150.48			
CHECK \$1150.48			
CHNG \$0.00			

ROAD ENCROACHMENT  
Handwritten Signature

JOB ADDRESS: 22153 PINE CT

NEAREST CROSS STREET: Ruoff

INSPECTION AREA: 9

PERMIT NUMBER

132005

**SCHOOL DISTRICT CERTIFICATION OF COMPLIANCE**

RETURN TO: Building Inspection Department, County of Sonoma, 575 Administration Dr., Room 114A, Santa Rosa, California 95403

FROM: School District Fort Ross, WSCUHSD Telephone No. \_\_\_\_\_

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 DISTRICT

BOX #1 [To be completed by developer and verified by Building Department or Department of Planning and Land Use]

EFFECTIVE DATE \_\_\_\_\_ (Date Plan Check Fee Was Paid) BUILDING PERMIT NO. 31596  
 PROPERTY OWNER'S NAME TIMOTHY & MARYLOU MCKUSICK  
 PROJECT ADDRESS 22153 Pine Ct - Timber Cove, CA 95450  
 If applicable: Mobilehome Park Name \_\_\_\_\_ Lot/Space Number \_\_\_\_\_  
 ASSESSOR PARCEL NO. \_\_\_\_\_

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 (circle one): Residential Commercial/Industrial Mobilehome/Manufactured Home  
 Remodeling with an increased square footage of \_\_\_\_\_  
 Square footage breakdown per residential unit: garage/carport \_\_\_\_\_ residential area 2,301  
 open roofed-over area 390  
 Total No. of residential units 1 Total Square Feet of Eligible Building Area\*: 2,301

I declare under penalty of perjury under the laws of the State of California on behalf of \_\_\_\_\_ (Developer) that the information furnished in Box #1 is accurate and correct to the best of my knowledge.

Developer Signature \_\_\_\_\_

The County of Sonoma Building Department / Department of Planning and Land Use (circle one) on 3-24, 1995, has verified the square footage and use information furnished by the above developer.

County of Sonoma Signature Scott Burkett

- \* 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 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 (F&S Code 1569.2(j)), multilevel facility for elderly (F&S Code 15432(d)(9)), and adult only mobilehomes [Gov. Code 65995 (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 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, enclosed patio, detached accessory structure, or similar area.

BOX #2 [To be completed by school district] Receipt No. 063075

**SCHOOL DISTRICT CERTIFICATION**

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

Gov. Code 53080 Gov. Code 35970 Agreement Existing Not subject to  
 (for relocatables) before 1/1/87 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.

Total amount of fees collected: 2576.94 at \$ 1.58 /square feet X 1593 square feet.  
3585.14 708

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 County is conditioned on the concurrent payment of fees set forth above.

AUTHORIZED SCHOOL DISTRICT OFFICIAL: Joni Kastanis Signature Date 8/17/95

original - Building Inspection Dept.  
 1st copy - District  
 2nd copy - Developer  
 1/90

Admin. Assistant  
 \_\_\_\_\_  
 Title



COUNTY OF  
PERMIT AND RESOURCE MA  
BUILDING AND LAND DI

575 Administration  
Santa Rosa, Ca  
Telephone (707) 527-2221

7-14-95

P-31896

Please forgive error (zip code).  
I left a message for you yesterday.

March 31, 1995

Mr. Timothy McKusick  
22153 Pine Court  
Timber Cove CA 95250 95450

RE: Site Stability Review for # P-31896  
22153 Pine Court, Timber Cove CA  
APN 109-380-27

Dear Mr. McKusick:

*Thank you,  
and 527-2221  
OK with 30' setback  
HAS NEW SITE REVIEW  
5/11/95 OK w/ 30' setback  
report w/ 30' setback  
FORM SLOPE*

The site review conducted on March 27, 1995, by staff indicates the need of a geotechnical report at the subject site. The report should address site stability and recommendations for foundation design for the future structure(s). Uniform Building Code Section 2907 (d) establishes setback criteria from slopes. Your proposed construction does not satisfy the prescriptive requirements of this section.

The geotechnical report shall be prepared by a Civil Engineer experienced in soil mechanics or by an Engineering Geologist. Section 2905 and 2907 (d) of the Uniform Building Code sets forth requirements and information to be included in the report. Please find enclosed illustrations and code excerpts regarding slope setback requirements.

This requirement will reasonably insure a suitable location and appropriate foundation design criteria for the proposed construction.

If you have any questions, please call me at (707) 527-2221.

Respectfully,

Don Yeric  
Building Inspector II

CR:at

1 Enclosure  
Slope Setback Form

cc: Environmental Health  
F: Planchek # P-31896

RETAIN



# JOHNSON, DEBOIS & ASSOCIATES

STRUCTURAL ENGINEERING / CODE CONSULTING

August 15, 1995

RETAIN

Mr. Tim McKusick  
22153 Pine Court  
Timber Cove/Jenner, CA 95450  
847-3709

Subject: PLAN CHECK #: 31896 Fire Safe Standards  
PROJECT: 22153 Pine Court  
Timber Cove/Jenner

Dear Mr. McKusick,

We have completed our fire safe standards plan review of the above-referenced project based on the following documents:

1. Revised plans dated 6/14/95 by John Howland, A.I.A. & Associates

Any outstanding issues have been resolved, and these documents are accepted as showing compliance with the Fire Safe Standards with the exception of the items listed below which must be verified during field inspections. If you have any questions, please do not hesitate to call our office.

### EMERGENCY ACCESS

1. Driveways - All driveways shall have a minimum traffic lane of 10 feet in width and 15 feet in vertical clearance. Driveways over 150 feet shall be provided with a turnout at mid-point and turnaround at each building. Driveways shall provide access within 150 feet of all portions of the exterior of the building. All driveways shall have a minimum live load capacity of HS20. Driveway slopes exceeding 5% shall be seal coated. Driveway slopes exceeding 10% shall be paved with a minimum of 2 inches of asphalt concrete. Any driveway slope over 15% is prohibited.

- 2 Turnaround & Turnouts - All driveway and roads in excess of 150 feet are required to have approved turnouts and turnarounds. A turnaround may be a hammerhead "T"; the top of the "T" shall be a minimum of 60 feet in length, 30 feet on either side of the center line of the driveway. If a turnaround/cul de sac is chosen, it shall have a minimum turning radius of 40 feet from the center of the roadway. Turnaround shall be within 50 feet of buildings. If a turnout is required due to the length of the driveway it shall be a minimum of 10 feet in width, 30 feet in length with a 25 foot taper on either side.
- 3 Premises Identification - All buildings shall have a postal address per the County overall system. Symbols shall be at least 4 inches in height with a 3/8 inch stroke. Said numbers shall be reflectorized and on a contrasting background. Addresses shall be posted at the time of construction and are to be placed at the beginning of the driveway and be visible from both directions of travel. Driveways serving multiple addresses shall have each address served mounted on a single post at the beginning and at each Y or intersection in the driveway.

#### EMERGENCY WATER

- 4 Emergency Water Supply - In the absence of a recognized public water system, a minimum fire fighting water supply of 3,000 gallons or one and one-half gallons for each square foot of construction, whichever is greater, must be provided on each parcel upon which a new building or addition is to be built. Water shall be available from the tank through a fire department connection (2 1/2 inch gate valve with a male nipple with National Standard threads). Delivery of water shall be via a minimum 4 inch water line. Note: For the average home this would be a wharf hydrant. Emergency water supply shall be available previous to commencing construction. Exception: A fire hydrant connected to a recognized public water system within 800 feet will suffice for this requirement.
- 5 Hydrants - All hydrants shall be 18 inches above ground. Vegetation shall be cleared from hydrant for a radius of 8 feet. It shall be no closer than 4 feet, nor further than 12 feet from the roadway. Hydrants shall be 50 to 150 feet from all buildings it is to serve, and be at a location where using it will not block the roadway or driveway. All hydrants shall be protected with suitable crash protection and their access shall not be blocked. Hydrants along driveways shall have a 3 inch reflectorized blue marker located on the address sign and on a pressure treated post 3 to 5 feet above ground and within three feet of said hydrant. Based on fire flow additional hydrants may be required.

#### FUEL MODIFICATION

- 6 Clearance of Flammable Vegetation - Maintain around all structures a fire break of no less than 30 feet on all sides of all flammable or combustible growth or to property line, whichever is nearer. Fire Safe Standards also require a 10' clearance of flammable vegetation on each side of the road or driveway.

## INSPECTIONS

- 7 Timing of Installation - All fire protection requirements such as emergency fire suppression water supply, hydrants and all weather access roads, driveways and turnouts shall be installed and made serviceable prior to and during construction.
- 8 NOTICE: Prior to final approval, all Fire Safe Standards conditions must be verified by field inspection by a member of the Building and Land Division at (707) 527-2221.

Respectfully,



Mark K. Forrest  
Plan Check Engineer  
JDA31896

Enclosures  
IDAM1896FA.P.MKF

(PCFIRAPICFRM)

cc: Sonoma County Building Inspection Department

TITLE 24 REPORT FOR:

New House for Tim McKusick  
22153 Pine Court  
Jenner, California 95450

RETAIN

PROJECT DESIGNER:

Marina Tsipan  
1091 Lombardi Lane  
Santa Rosa, California 95407  
(707) 523-3728

REPORT PREPARED BY:

Samuel J. Gordon  
Samuel J. Gordon, PhD, P.E.  
1555 Los Olivos Road  
Santa Rosa, CA 95404  
(707) 539-6012

Date: 3/7/1995

The COMPLY 24 computer program has been used to perform the calculations summarized in this compliance report. This program has approval and is authorized by the California Energy Commission for use with both the Residential and Nonresidential Building Energy Efficiency Standards. This program developed by Gabel Dodd Associates (510) 428-0803.

Project Name: New House for Tim McKusick  
 Address: 22153 Pine Court  
 Jenner, California 95450

Date: 3/7/1995

Building Permit No

Designer: Marina Tsipian

Checked by / Date

Documentation: Samuel J. Gordon, PhD, P.E.

COMPLY 24 User 1703

GENERAL INFORMATION

Compliance Method: COMPLY 24 version 4.11  
 Climate Zone: 1  
 Conditioned Floor Area: 2301 sqft  
 Building Type: Single Fam Det  
 Building Front Orientation: 315 deg (NW)  
 Number of Dwelling Units: 1  
 Floor Construction Type: Raised Floor

BUILDING SHELL INSULATION

Component	U-Value	Location/Comments
R-13 Wall (W.13.2x4.16)	0.088	First Floor
R-13 Wall (W.13.2x4.16)	0.038	Second Floor
VLTD R-30 (R.30.2x12.16)	0.034	First Floor
VLTD R-30 (R.30.2x12.16)	0.034	Second Floor
R-30 Flr (F.30.2x10.16)	0.028	First Floor/R-6 Crawlspace

FENESTRATION

Orient.	Area	U-Val	Type	Shading Devices		OH	SF	Frame Type
				Interior	Exterior			
Left (NE)	20.0	0.55	Double	Std Drapae	Standard Bug Scr	N	N	Wood
Left (NE)	48.0	1.19	Single	Std Drapae	none		N	N Metal
Back (SE)	21.0	0.43	Double	Std Drapae	Standard Bug Scr	N	N	Vinyl
Back (SE)	156.1	0.49	Double	Std Drapae	none		N	N Vinyl
Back (SE)	90.6	0.49	Double	Std Drapae	Standard Bug Scr	N	N	Vinyl
Back (SE)	22.0	0.50	Double	Std Drapae	Standard Bug Scr	N	N	Vinyl
Back (SE)	48.0	1.19	Single	Std Drapae	none		N	N Metal
Back (SE)	26.0	1.19	Single	Std Drapae	Standard Bug Scr	N	N	Metal
Right (SW)	34.0	0.43	Double	Std Drapae	Standard Bug Scr	N	N	Vinyl
Right (SW)	38.8	0.49	Double	Std Drapae	none		N	N Vinyl
Right (SW)	40.0	0.49	Double	Std Drapae	Standard Bug Scr	N	N	Vinyl
Right (SW)	41.5	0.50	Double	Std Drapae	Standard Bug Scr	N	N	Vinyl
Right (SW)	20.0	0.55	Double	Std Drapae	Standard Bug Scr	N	N	Wood
Right (SW)	35.0	1.19	Single	Std Drapae	none		N	N Metal
Right (SW)	8.0	1.19	Single	Std Drapae	Standard Bug Scr	N	N	Metal
Front (NW)	44.0	0.49	Double	Std Drapae	none		N	N Vinyl
Front (NW)	56.0	0.50	Double	Std Drapae	Standard Bug Scr	N	N	Vinyl
Front (NW)	20.0	0.55	Double	Std Drapae	Standard Bug Scr	N	N	Wood
Front (NW)	15.0	1.19	Single	Std Drapae	none		N	N Metal

THERMAL MASS

Type	Covering	Area (sf)	Thick (in)	Location/Description
------	----------	-----------	------------	----------------------

NONE

Project Name: New House for Tim McKusick

Date: 3/7/1995

Documentation: Samuel J. Gordon, PhD, P.E.

COMPLY 24 User 1703

HVAC SYSTEMS	Minimum System Type	Distrib Type and Location	Duct RVal	Stat Type	Location/Comments
Furnace	0.920 AFUE	Ducts in Crawl	4.2	SetBck	Whole House
No Cooling	10.000 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
A.O.SMITH FGR-50 or Eq.	Standard		StorGas	1	0.60	50.0	0.0

WATER HEATER EQUIPMENT DETAIL	System Name	System Type	AFUE /Rec Eff	Rated Input	Stdby Loss	Tank Size	Pilot Light
A.O.SMITH FGR-50 or Eq.	DomesticHW		0.790	33000	0.021	16.0	0

SPECIAL FEATURES/REMARKS: See page 5.

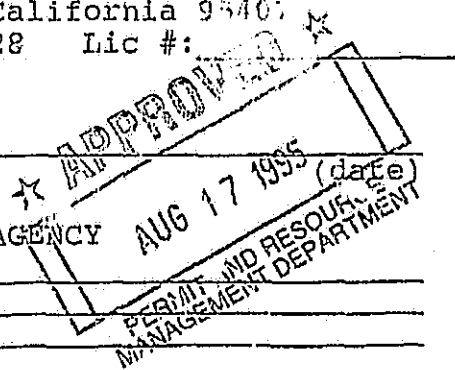
COMPLIANCE STATEMENT

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)  
 Marina Tsipan  
 1091 Lombardi Lane  
 Santa Rosa, California 95401  
 (707) 523-3728 Lic #:

DOCUMENTATION AUTHOR  
 Samuel J. Gordon  
 Samuel J. Gordon, PhD, P.E.  
 1555 Los Olivos Road  
 Santa Rosa, CA 95404  
 (707) 539-6012

(signature)



ENFORCEMENT AGENCY  
 Name: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 Agency: \_\_\_\_\_  
 Telephone: \_\_\_\_\_

(signature)

*Samuel J. Gordon* 3/7/95  
 (signature) (date)

(signature/stamp)

(date)

Project Name: New House for Tim McKusick

Date: 3/7/1995

Documentation: Samuel J. Gordon, PhD, P.E.

COMPLY 24 User 1703

## SPECIAL FEATURES

R-4.2 Duct insulation required.

R-19 floor insulation required.

R-13 wall insulation required.

R-30 insulation required in ceilings.

50 Gallon maximum, 0.60 minimum energy factor gas-fired water heater to be used (A.O. Smith FGR 50 or Equivalent).

92.0 % AFUE minimum gas forced air furnace to be used.

If air conditioned a 10.0 SEER minimum air conditioner is to be used.

Windows, certified to the following maximum U-Values to be used:

Type:	Max. U-Value <sup>1</sup> :
Fixed Dual Pane	0.49
Fixed Single Pane (Metal Frame)	1.19
Hor. Slider	0.50
Vert. Slider	0.50
Other Operable	0.43
Glazed Doors	0.49
Skylights	0.80

NOTE: the Manufacturer/Model No. for the HVAC and HOT WATER SYSTEMS indicated on Form CF-1R is to be used for an example of a CEC approved system meeting the required or specified efficiency ratings for the purpose of this energy analysis only. It is the responsibility of the owner and contractor to select properly sized HVAC & WATER SYSTEMS equipment meeting the criteria on Form CF-1R (minimum efficiency required, maximum output, tank volume, minimum duct insulation R values etc.), current CEC appliance certification standards and approval of the local enforcement agency prior to construction.

## REMARKS

The documentation author is not responsible for changes in plans and building specifications affecting the results of this energy analysis after the date the documentation is signed by the author.

<sup>1</sup> U-Values shown are based on the certified values applicable to Milgard vinyl framed windows. Vinyl framed windows provided by other manufacturers should be checked for comparability.

Project Name: New House for Tim McKusick

Date: 3/7/1995

Documentation: Samuel J. Gordon, PhD, P.E.

COMPLY 24 User 1703

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: New House for Tim McKusick

Date: 3/7/1995

Documentation: Samuel J. Gordon, PhD, P.E.

COMPLY 24 User 1703

## 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 1024; 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. \_\_\_\_\_



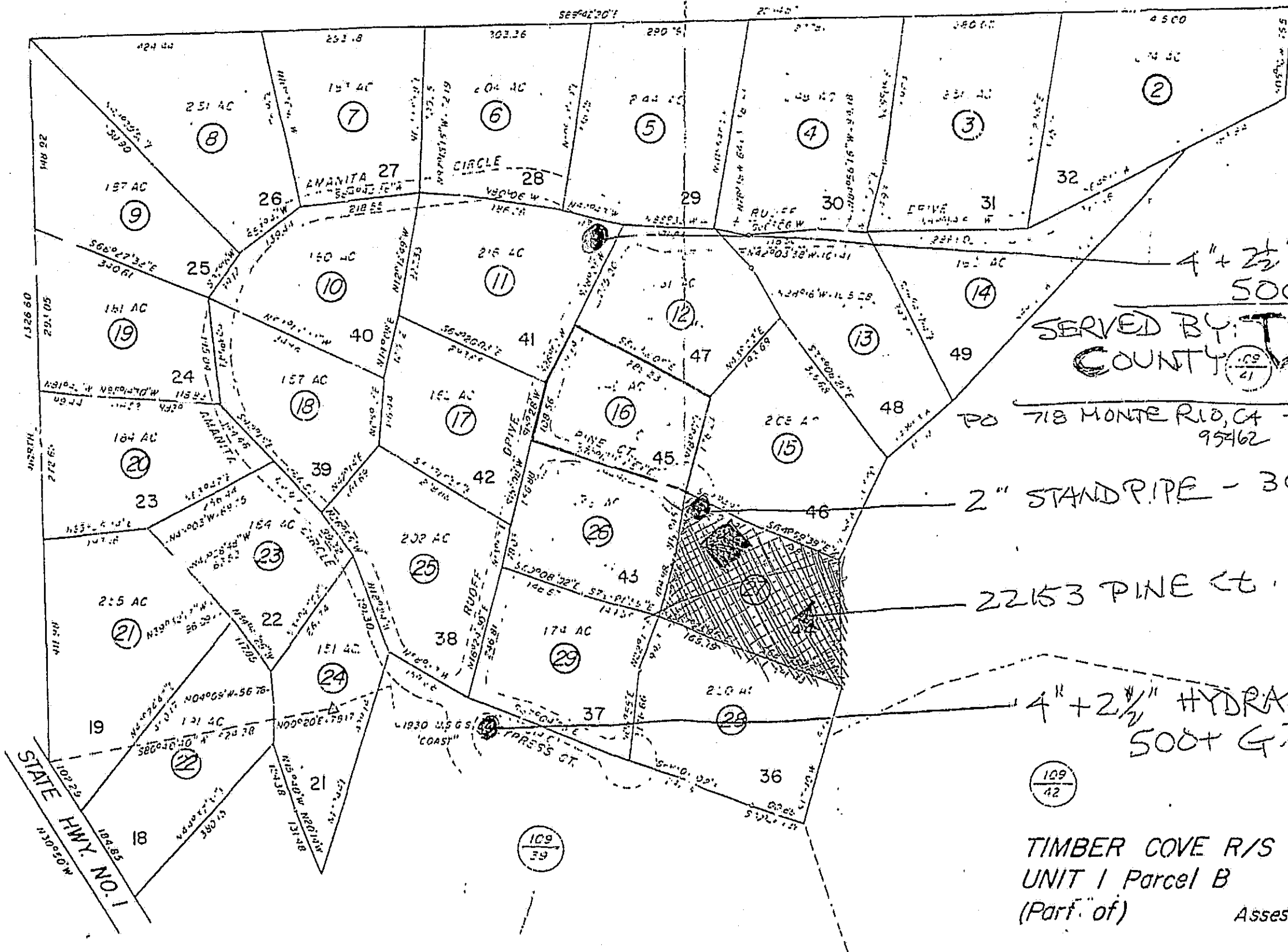
MCKUSICK  
22153 PINE CT  
TIMBER COVE, CA 95450

COUNTY ASSESSOR'S PARCEL MAP

TAX CODE AREA  
83 000

109-38

707-847-3709



RETAIN

4" + 2 1/2" HYDRANT  
500+ G.P.M.  
SERVED BY: TIMBER COVE  
COUNTY WATER DISTRICT

PO 718 MONTE RIO, CA - 707-865-1680  
95462 707-847-3108

2" STAND PIPE - 300+ G.P.M.

22153 PINE CT

4" + 2 1/2" HYDRANT  
500+ G.P.M.

109/42

TIMBER COVE R/S  
UNIT 1 Parcel B  
(Part of)

★ APPROVED  
AUG 17 1995  
T8N-R13W  
PERMIT AND RESOURCE  
MANAGEMENT DEPARTMENT

Assessor's Map Bk. 109 Pg. 38  
Sonoma County, Calif.