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27996 Ansel Ct

COUNTY OF SONOMA

PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

2550 Ventura Avenue, Santa Rosa, CA

(707) 565-1900 FAX (707) 565-1103

BUILDING PERMIT RECEIPT

BLD00-2697

Site Location Information		Printed By: CCAMILLE 10:26 Oct 11, 2000	
Address: 21996 ANSEL CT TIM		APN: 109-430-007	
Cross Street: SMITH CT		Initialized By: FWILLIAM B BLD 9901	
Owner		Applicant	
ROMEO JASON 20705 COAST HWY 1 JENNER CA 943033408		ROMEO JASON 20705 COAST HWY 1 JENNER CA 943033408	
707 947 3260		707 847 3260	
Contractor		Architect or Engineer	
Lic. #:		CURTIS & ASSOC 605 HEALDSBURG AVE HEALDSBURG CA 707 433-4800 Lic. #: 95448	

Building Permit Expires 3 YEARS from the Date Permit Fees Are Paid (See Register Validation Info) Status: PC APY/D Issued:

Permit Description: NEW BFD/ATT GAR/CRVD PORCH/DECK

Valuation/Contract \$: \$177,260.03 PC-Calc (Old/New): 0 PERN-Calc (Old/New): N Type: SNEW
 Plancheck Multiplier: 1.00 Penalty Multiplier (Where Applicable):

Occupancy	Type	Factor	Sq. Feet	Valuation
Dwellings	DWEL-Type V - Wd Frme	93.85	1,735	162,829.75
Dwellings	Residential Deck	8.69	164	1,425.16
Dwellings	Covered Porch/Patio	17.36	60	1,041.60
Private Garage	Carpport Wood Frame or Steel	20.77	576	11,963.52
			Subtotal:	177,260.03
			Total Valuation:	177,260.03

Table Date: 07/01/1999

Item #	Item Account Code	Description	Fee	Previously Paid
0011	025015-1341	3505 INSPECTIONS - OTHER	\$.00	\$.00
0012	025015-1341	3505 INSP. OUTSIDE NORMAL HRS	\$.00	\$.00
0013	025015-1341	3505 REINSPECTION(S) FEE	\$.00	\$.00
0050	327023-4040	S.M.I.P. RESIDENTIAL	\$17.73	\$.00
0060	025015-1341	BLDG PERM PLAN CHECK FEE	\$929.86	\$929.86
0062	025015-1341	ADDITIONAL PLANCHECK FEE	\$.00	\$.00
0100	025015-1341	3502 SITE REVIEW/ELFV. CERT.	\$77.00	\$77.00
0119	649103-3661	CO FIRE MARSHAL REVIEW	\$.00	\$.00
0120	025015-1341	3504 FIRE STDS INSPECT - PRMD	\$140.00	\$.00
0121	025015-1341	3504 FIRE SAFE STDS AREF PRMD	\$105.00	\$105.00
0122	025015-1341	3504 ELECTRICAL FEE	\$76.34	\$.00
0123	025015-1341	3504 MECHANICAL FEE	\$38.27	\$.00
0124	025015-1341	3504 PLUMBING FEE	\$95.44	\$.00
0132	025015-1341	3504 BUILDING PERMIT FEE	\$1,540.78	\$.00
0220	025015-1600	VIO. PENALTY FEE (BLDG)	\$.00	\$.00
0221	025015-4114	2001 VIO. INVEST. FEE (BLDG)	\$.00	\$.00
0707	025015-3140	6054 REF.-GRADING/DRAIN. PLAN	\$255.00	\$.00
0708	025015-3140	6055 REF.-GRD/DRAIN DAM/DRVWY	\$.00	\$.00
1165	025015-3739	6146 ZONING PERMITS W/O D.R.	\$20.00	\$.00
2000	335208-4040	PRM-CO-WDE CE TRAFFIC MIT	\$.00	\$.00
2001	335307-4040	PRM-CO-WDE NO TRAFFIC MIT	\$.00	\$.00
2002	335406-4040	PRM-CO-WDE SO TRAFFIC MIT	\$.00	\$.00
2003	335505-4040	PRM-CO-WDE WE TRAFFIC MIT	\$4,307.05	\$.00
2005	335512-4040	PRM-EASTMN LN TRAFFIC MIT	\$.00	\$.00
2006	335515-4040	PRM-MOORLAND AV DRAINAGE MIT	\$.00	\$.00
2007	335034-4040	PRM-LARK/WIKIUP TRAFFIC MIT	\$.00	\$.00
2008	335059-4040	PRM-SONOMA VLY TRAFFIC MIT	\$.00	\$.00
2101	332114-1347	PRM-PARK MIT AREA 1	\$1,669.00	\$.00
5011	025015-1341-W	3505 INSPECTIONS - OTHER	\$.00	\$.00
5012	025015-1341-W	3505 INSP. OUTSIDE NORMAL HRS	\$.00	\$.00
5013	025015-1341-W	3505 REINSPECTION(S) FEE	\$.00	\$.00
5060	025015-1341-W	BLDG PERM PLAN CHECK FEE	\$.00	\$.00
5062	025015-1341-W	ADDITIONAL PLANCHECK FEE	\$.00	\$.00
5100	025015-1341-W	3502 SITE REVIEW/ELFV. CERT.	\$.00	\$.00
5113	649103-3661-W	CO FIRE MARSHAL REVIEW	\$.00	\$.00
5120	025015-1341-W	3504 FIRE STDS INSPECT - PRMD	\$.00	\$.00
5131	025015-1341-W	3504 FIRE SAFE STDS AREF PRMD	\$.00	\$.00
5122	025015-1341-W	3504 ELECTRICAL FEE	\$.00	\$.00
5123	025015-1341-W	3504 MECHANICAL FEE	\$.00	\$.00
5124	025015-1341-W	3504 PLUMBING FEE	\$.00	\$.00
5132	025015-1341-W	3504 BUILDING PERMIT FEE	\$.00	\$.00
5220	025015-1600-W	VIO. PENALTY FEE	\$.00	\$.00
5221	025015-4114-W	2001 VIO. INVESTIG FEE	\$.00	\$.00
5707	025015-3140-W	6054 REF.-GRADING/DRAIN. PLAN	\$.00	\$.00
5708	025015-3140-W	6055 REF.-GRD/DRAIN DAM/DRVWY	\$.00	\$.00
6165	025015-3739-W	6146 ZONING PERMITS W/O D.R.	\$.00	\$.00
7000	335208-4040-W	PRM-CO-WDE CE DEV FEE TR	\$.00	\$.00
7001	335307-4040-W	PRM-CO-WDE NO DEV FEE TR	\$.00	\$.00
7002	335406-4040-W	PRM-CO-WDE SO DEV FEE TR	\$.00	\$.00
7003	335505-4040-W	PRM-CO-WDE WE DEV FEE TR	\$.00	\$.00
7005	335042-4040-W	PRM-EASTMN LN DEV FEE TR	\$.00	\$.00
7006	335075-4040-W	PRM-MOORLAND DEV FEE TR	\$.00	\$.00
7007	335034-4040-W	PRM-LARK/WIK SP PLN DEV	\$.00	\$.00
7008	335059-4040-W	PRM-SONOMA VLY DEV FEE T	\$.00	\$.00
7101	332114-1347-W	PRM-PARK MIT AREA 1	\$.00	\$.00

Qualifies for fee waivers (Y/N): N

Total Calculated Fees	\$9,281.36	\$1,111.86
Previously Paid	\$1,111.86	
Balance Due	\$8,169.50	

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: JASON ROMEO Date Applied: 6-16-00

INFORMATION WITHIN HEAVY LINE TO BE COMPLETED BY APPLICANT

SITE LOCATION INFORMATION - PRINT CLEARLY

Address: 21996 Ansel Court City: Timber Cove ZIP: 95450
 Cross-Street: Smith Court APN: 09430007 Project Name: () Project Fax #: (707) 847-3320
 Director: RD 1 mile on the Right Name: () Unit #: () Lot #: ()
 Describe Project: New home w/att'd garage Living Area: 1735 Contract Price: 60 / 110459
 Decks: 576

OWNER NAME AND ADDRESS APPLICANT NAME AND ADDRESS

Name: JASON ROMEO Name: SAME
 Mailing Address: 20705 Coast Hwy 1 Mailing Address: ()
 City: Sonoma State: CA ZIP: 95450 City: () State: () ZIP: ()
 Day Ph: (707) 847-3260 Fax: (707) 847-3350 Day Ph: () Fax: ()

CONTRACTOR INFORMATION OTHER PERSONS (ARCHITECT, ENGINEER, ETC.)

Company Name: Same as above Name: SAME
 Address: () Address: ()
 City: () State: () ZIP: () City: () State: () ZIP: ()
 Day Ph: () Fax: () Day Ph: () Fax: ()

JOB ADDRESS: 21996 ANSEL CT - Timber Cove REFERENCE: 94-24 PERMIT NUMBER: BLD00-2697 INSPECTION AREA: 2

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 I should become subject to the worker's compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Exp. Date: () Applicant: ()
WARNING: FAILURE TO SECURE WORKER'S COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3700 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code). Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also require 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 Contractor's 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 to be 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. 7041 Business and Professions Code). This Contractor's License Law does not apply to an owner who builds or improves thereon, and who contracts for such projects with a contractor, pursuant to the Contractor's License Law.
 I am exempt under Section 7031.5, B & P, for this reason: ()

Date: 6-16-00 Owner: Jason Romeo

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 Ordinance, 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 should become subject to such provisions, I will forthwith comply. In the event I do not comply with the Workman's Compensation law, this permit shall be deemed revoked.

PERMITTEE SIGNATURE: Jason Romeo
 ADDRESS: 20705 Coast Hwy 1 Sonoma CA 95450
 Contractor Owner Agent for Contractor Agent for Owner

Permit #: BLD00-2697 Area: 2

Permit Coordinator: ()

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: None
 Lenders Address: ()

FOIA DEPARTMENT USE

Zoning: RR-CC-07 File No.: CPND-0006 Acres: 2.68
 Existing Use/Structures: VACANT
 Proposed Use/Structures: SFD w/att'd garage
 Zoning Min. Yard Requirements: Front () Left () Right () Back ()
 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
 Approved for Permit Issuance: () Approval Date: ()
 Date: () Date: 11/17/07

Sewer Connection: Available Fees Paid

Approved by: () Date: ()

Road Encroachment: Fees Paid

Approved by: J. Conroy Date: 10/11/00

Septic System Permit/Clearance: Sep 00 - 1975

Approved by: P. Bohman Date: 6/15/00

Flood Zone: Yes No 100 Year Flood Elevation: ()

Site Review: ()

Code Enforcement Violation: Yes No Violation # ()

Days permit is limited to () days.

Work Authorized: NEW SFD w/ATT GARAGE

New Addition Alteration Repair Moving Other

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

<input type="checkbox"/> Plans Forwarded <input type="checkbox"/> No Plans Subject to Field Inspection Date: <u>9/19/00</u> Date: <u>10/11/00</u>	(Machine Space for Permit Fee) \$1000.00 \$2000.00 \$3000.00 \$4000.00 \$5000.00 \$6000.00 \$7000.00 \$8000.00 \$9000.00 \$10000.00
<input type="checkbox"/> P&S FIRM <input type="checkbox"/> Aerial Photo Report Available <input type="checkbox"/> Pre FIRM <input type="checkbox"/> Geotechnical report Available	No. of Bldgs: <u>1</u> No. of Bedrooms: <u>3</u> No. of Bathrooms: <u>2</u>
Auto Fire Sprinklers Req'd: <u>()</u> No. of Units: <u>()</u> Cert. Score & Occupancy: <u>()</u>	Final Date: <u>()</u> Inspector: <u>()</u>

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

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: <u>J. A. ...</u>	Date Applied: <u>10/1</u>
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INFORMATION WITHIN HEAVY LINE TO BE COMPLETED BY APPLICANT

SITE LOCATION INFORMATION - PRINT CLEARLY

Site Address: <u>1077 ...</u>		City: <u>...</u>		ZIP: <u>...</u>	
Cross-Street: <u>...</u>	APN: <u>...</u>	Project Phone #: <u>...</u>	Project Fax #: <u>...</u>	Line #: <u>...</u>	Lot #: <u>...</u>
Directions: <u>...</u>		Subd. Name: <u>...</u>		Contract Price: <u>...</u>	
Describe Project: <u>...</u>		Living Area: <u>...</u>		Garage: <u>...</u>	
Decks: <u>...</u>		Decks: <u>...</u>		Decks: <u>...</u>	
OWNER NAME AND ADDRESS			APPLICANT NAME AND ADDRESS		
Name: <u>...</u>			Name: <u>...</u>		
Mailing Address: <u>...</u>			Mailing Address: <u>...</u>		
City: <u>...</u>		State: <u>...</u>		ZIP: <u>...</u>	
Day Ph: <u>...</u>		Fax: <u>...</u>		Day Ph: <u>...</u>	
Fax: <u>...</u>		Fax: <u>...</u>		Fax: <u>...</u>	
CONTRACTOR INFORMATION			OTHER PERSONS (ARCHITECT, ENGINEER, ETC.)		
Company Name: <u>...</u>			Name: <u>...</u>		
Address: <u>...</u>			Address: <u>...</u>		
City: <u>...</u>		State: <u>...</u>		ZIP: <u>...</u>	
Day Ph: <u>...</u>		Fax: <u>...</u>		Day Ph: <u>...</u>	
Fax: <u>...</u>		Fax: <u>...</u>		Fax: <u>...</u>	
License No: <u>...</u>			Exp. Date: <u>...</u>		

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, D'WAGES AS PROVIDED FOR IN SECTION 3700 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code): Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any Violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500):

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 herself (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 Contractor's 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 Contractor's License Law).

I am exempt under Section ... B & P.C. for this reason: ...

Date: 10/1/02 Owner: ...

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Lic. Class: ... Lic. No.: ...

Exp. Date: ... Contract #: ...

ASBESTOS DECLARATION

Written asbestos notification pursuant to Part 81 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 (C) does (C) does not contain asbestos, or that (C) 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 Permit Application for the Worker's Compensation provision of the Labor Code I should become subject to such provisions, I will forthwith comply. In the event I do not comply with the Workman's Compensation law, this permit shall be deemed revoked.

PERMITTEE SIGNATURE: ...

ADDRESS: ... CITY: ... ZIP: ...

Contractor Owner Agent for Contractor General for Owner

Permit # ... Area ...

Permit Coordinator: ...

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: ... File No.: ... Acres: ...

Existing Use/Structures: ...

Proposed Use/Structures: ...

Zoning Min. Yard Requirements: Front ... Left ... Right ... Back ...

NOTE: Fire Safe Standards require all parcels greater than 1/4 acre to have a min. 20' setback unless mitigated. Mitigation Required Address subject to change

Approval for Permit Issuance: ... Approval for Occupancy: ...

By: ... Date: ...

By: ... Date: ...

Conditions: ...

Sewer Connection: Available Fees Paid

Approved by: ... Date: ...

Road Encroachment: Fees Paid

Approved by: ... Date: ...

Septic System Permit/Compliance #: ...

Approved by: ... Date: ...

Flood Zone: Yes No 100 Year Flood Elevation: ...

Site Review: ...

Code Enforcement Violation: Yes No Violation #: ...

This permit is limited to ... days.

Work Authorized: ...

Notes: ...

New Addition Alteration Repair Moving Occ/Chg

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

<input type="checkbox"/> Plans Approved		Machine Spots for Permit Fee	
<input type="checkbox"/> No Plans Subject to Field Inspection			
Permit Fee Paid	Date: <u>...</u>		
Permit Fee Paid for Issuance By	Date: <u>...</u>		
<input type="checkbox"/> Post FIRM	<input type="checkbox"/> Atypical Photo Report Available		
<input type="checkbox"/> Pre FIRM	<input type="checkbox"/> Geotechnical report Available		
No. of Construction	Occupancy	No. of Stories	No. of Bedrooms
<u>...</u>	<u>...</u>	<u>...</u>	<u>...</u>
Ask. Fee Exempt: <u>...</u>	No. of Units	Certificate of Occupancy	
<u>...</u>	<u>...</u>	<u>...</u>	
Final Date for Issuance: <u>2-11-02</u>		Inspector: <u>...</u>	

Dist. - Outpost - White - File - Canary - Approval - Pink - Audit Copy - Blue - Assessor - Cardstock - Inspector

JOB ADDRESS: ... MAP REFERENCE: 94-04 PERMIT NUMBER: ... INSPECTION AREA: ...

131) SPECIAL INSPECTION REQUIRED		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	IF YES, SEE ADDITIONAL SHEET
INSPECTION RECORD	DATE	NAME		REMARKS
103) FOUNDATION				
FORMS/SETBACK	11-16-00	Blaum		
FOOTING				
WALLS				
108) UPPER GROUND #	11-16-00	Blaum		
104) CAISSONS/PIERS	"	"		
105) SLAB	2-1-00	Blaum		
110) MASONRY				
109) RETAINING WALLS				
113) FIREPLACE				
FOOTING				2/1/02 199 NOT READY
HEARTH/PROTECTION				
THROAT				
114) CHIMNEY				
120) UNDERFLOOR/UNDERSLAB				
116) U/F ELECTRICAL				
117) U/F MECHANICAL	3-26-01	Blaum		
118) U/F PLUMBING	3-23-01	Blaum		
119) U/F FRAMING	12-16-00	Blaum		ok. to lay plywood
139) U/F INSULATION				
126) SHEAR WALLS				12-20-00 Partial under floor plank ok. to frame blocks
<input type="checkbox"/> INTERIOR				
<input type="checkbox"/> EXTERIOR	1-19-01	Blaum		
127) DIAPHRAGMS				
<input checked="" type="checkbox"/> ROOF	1-19-01	Blaum		
<input type="checkbox"/> FLOOR				
134) SIDING/SHEATHING	3-26-01	Blaum		Strip double plates < less than 4' lap.
125) HOLD DOWNS				
132) CLOSE-IN	3-26-01	Blaum		ok. Elec/plumb ok.
122) ROUGH ELECTRICAL	"	"		Block around shower
123) ROUGH MECHANICAL	"	"		Boxes for outside lights
124) ROUGH PLUMBING	"	"		
128) ROUGH FRAME	"	"		
160) SMOKE DETECTORS				
139) INSULATION				
142) WALLBOARD	4-10-01	Blaum		4-3-01 Garage needs 1 layer of sheetrock. 1/2" ok. over 5' in place on 2" center framing Missed by previous visit
135) STUCCO/PLASTER				Work is ok. w. Blaum
<input type="checkbox"/> LATH				
<input type="checkbox"/> SCRATCH				
137) ROOFING				
130) TUB/SHOWER PAN				
164) SUSPENDED CEILING				
ROUGH ELECTRICAL				
ROUGH MECHANICAL				
EXITING				2-4-02 Need Septic. Drainage. Check GFL Garage door
STAIR HANDRAILS				Anti-siphon @ base of stairs
RAMP				
CORRIDORS/DOORS				
166) ACCESSIBILITY COMPLIANCE				
ENERGY REQUIREMENTS				
170) TEMPORARY OCCUPANCY				
171) TEMPORARY ELECTRICAL				
172) TEMPORARY GAS				
174) ELECTRIC METER AUTHORIZATION				
152) PANEL BOARDS/SERVICE	6-15-01			
175) GAS METER AUTHORIZATION				
153) GAS PRESSURE TEST				
HOUSE				
YARD	7-30-01			
190) MANUF. HOME FOUNDATION				
191) MANUF. HOME INSTALLATION				
CONTINUITY				
STAIRS/SKIFTS				
RIDGE BOILING				
SWIMMING POOLS				
194) PRE-GUNITE				
195) PRE-DECK				
196) PRE-PLASTER/FENCE				
102) GRADING FINAL				
176) ELECTRICAL FINAL	6-15-01			
177) MECHANICAL FINAL				
178) PLUMBING FINAL				
199) FINAL				
OCCUPANCY (OK TO OCCUPY)				

FIRE INSPEC. IN REQUIRED	DATE	NAME
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
770) SPRINKLER FINAL		
771) ABOVEGROUND HYDROSTATIC		
772) UNDERGROUND HYDROSTATIC		
773) UNDERGROUND FI.USH		
774) THRUST BLOCKS		
775) PIPE WELD		
776) HYDRANTS/APPLIANCES		
777) PUMP ACCEPTANCE		
778) WATER SUPPLY/TANK		
779) ALARM SYSTEM		
780) HOOD & DUCT SYSTEM		
781) ABOVEGROUND TANK/DISPENSER		
198) FIRE FINAL		

CLEARANCES:
FIRE <input type="checkbox"/> Local <input type="checkbox"/> County
HEALTH DEPARTMENT
ZONING
SANITATION
N.C.A.P.C.D.

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

PERMIT # BLD00-2197

SCHOOL DISTRICT CERTIFICATION OF COMPLIANCE

BLD00-2897

RETURN TO: Permit and Resource Management, County of Sonoma, 2550 Ventura Ave., Santa Rosa, California 95403

FROM: High School District WSCUTSD Elementary District Fort Ross

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

PROJECT ADDRESS 21996 Ansel St. Timber Cove

PROPERTY OWNER'S NAME Jason Romeo

If applicable: Mobilehome Park Name _____ Lot/Space Number _____

ASSESSOR'S PARCEL NO. 109-430 007

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.

New SFI

Building Type: Residential Commercial/Industrial Mobilehome/Manufactured Home

Square footage breakdown per residential unit: residential area* _____

Total No. of residential units 1 Total Square Feet of Eligible Building Area*: 1735

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

Gina Romeo

Applicant's Signature

The County of Sonoma Permit and Resource Management on _____ has verified the square footage and use information furnished by the above developer.

County of Sonoma Signature [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 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 (H&S Code 15432(d)(3)), and adult only mobile homes (Gov. Code 65995.2(a)).
- * Eligible Commercial/Industrial Areas are 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. It 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 receipt no. 355382

HIGH SCHOOL DISTRICT receipt no. 355382

Square footage: 1735 at \$ 1.10 / sq. ft.

Square footage: 1735 at \$ 1.83 / sq. ft.

Total Fee Amount collected: \$ 1,908.50

Total Fee Amount collected: \$ 1,440.25

Authorized School District Official Sally Sheldon

Authorized School District Official Sally Sheldon

Date: 9/26/00 [Signature]
Title: Actg. Clerk

Date: 9/1/00 [Signature]
Title: Actg. Clerk

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

Applicant is hereby notified that anyone filing a protest on the imposition of Government Code Section 53080 fees must do so within 90 days from payment of the fee.

FIRE SAFE STANDARDS FIELD EVALUATION

Address: _____ P.C.# BLD00-_____

Inspector: S.T Date: 6-29-2000

ADDRESS

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

GATES

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

ROAD

(Name: _____)
 Existing prior to 1/1/92 Yes No
 Meets county road standards Yes No

Secondary Road

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

DRIVEWAY (on this property)

Existing prior to 1/1/92 - - - - - Yes No
 Existing driveway allows access to within 150' of structure - - - - - Yes No
 Driveway over 150' in length - - - - - Yes No
 Existing surface is dirt , gravel , asphalt . Total driveway length _____ FT.
 Grade not over 0-5% 5-10% 10-15% Length of grade over 15% _____ FT.
 Width of driveway _____ FT.
 Bridges required - - - - - Now in place, More info needed: Yes No

EMERGENCY WATER SUPPLY

Public water system hydrant within 250' (Hydrant type 4 1/2" 2 1/2" Yes No
 Water system hydrant within 800' (Hydrant type 4 1/2" 2 1/2" Yes No
 Onsite water minimum _____ gallons
 Meets Fire Safe Standards - - - - - Yes No

CLEARANCE OF FLAMMABLE VEGETATION

Over one acre parcel - - - - - Yes No
 Terrain % slope 15% within 100' of building area
 up slope or down slope
 Direction of slope face: north east south west
 Vegetation type: grass brush woodland timber vineyard orchard urban
 other _____

Mitigation likely due to: - - - - - Yes No
 Turn around, Turn-outs, Excessive Grade, Bridge

Notes



Adobe
Associated, Inc
Civil Engineering,
Land Surveying &
Land Development
Services

PERCOLATION TEST RESULTS TRANSMITTAL

County of Sonoma, Permit and Resource Management Department
2250 Ventura Avenue, Santa Rosa, CA 95403

Att: Dave Donovan

Site Address: 21996 Ansel Court, APN 109-430-007

Job Number: 00022

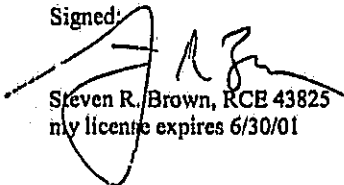
Enclosures: Assessor's Parcel Map, Soil Survey Map, Soil Profile Log, Percolation Test Data, and Percolation Test Map

These tests were run in order to establish wastewater disposal potential on this 2+ acre parcel in Timber Cove Subdivision. The site is located at the southeast corner of Ansel Court. Site soils are identified as Empire Caspar complex in the Soil survey of Sonoma County. Three profile holes were evaluated on the westerly portion of the parcel. The deeper, sandy soils were approved for dry weather percolation testing.

On April 7, 2000, seven 60 inch deep holes were tested with an average percolation rate of 45 minutes per inch. This site is considered suitable for installation of a standard system providing 150 lineal feet of trench per bedroom. Trenches should be 60 inches deep, 24 inches wide, with 12 inches of drain rock below the disposal line. A 20 percent sizing credit may be applied with the installation of a dual field or pumped dosing and installation of an effluent filter on the outlet of the septic tank. Maintain all applicable setbacks including 5 feet to property lines.

The attached percolation test data was generated from percolation tests run in conformance with the methods and procedures of the Sonoma County Permit and Resource Management Department, Well and Septic Division. The results are a true and accurate account of the tests. Recommendations made in this report are subject to review and approval of the Well and Septic Division staff. A response to this report will be on file at the PRMD office.

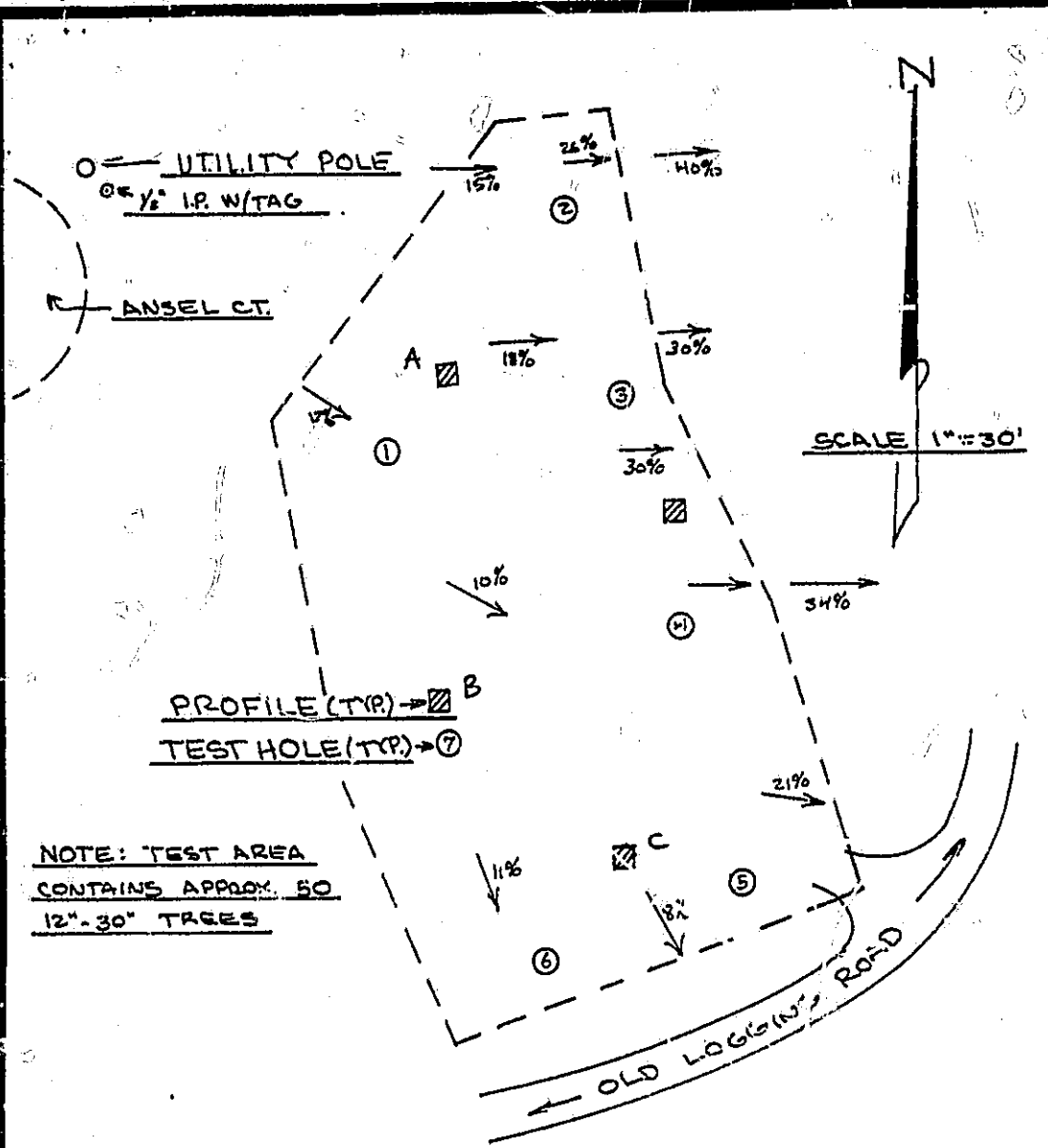
Signed:


Steven R. Brown, RCE 43825
my license expires 6/30/01

date: 4/17/00



417
Russell Avenue
Santa Rosa
California
95403
707 526 2664
707 526 0331 - Fax
www.adobeinc.com



NOTE: TEST AREA
CONTAINS APPROX. 50
12"-30" TREES

PERCOLATION TEST AREA
 LANDS OF ROMEO

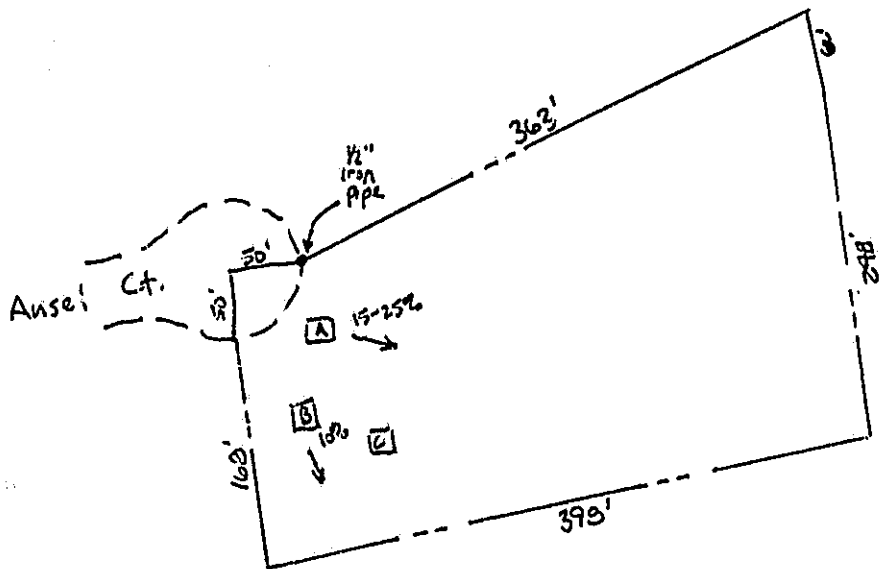
21966 ANSEL COURT
 A.P. # 109-430-007 TEST DATE: 4/7/00
 BY: SCIENTIFIC SANITATION SYS.

Pre-Perc Field Notes

Address: 2198 Ansel Ct.	Test Date: 3/15/00 Time: 1:30
AP #: 109-430-007	Site review by: Dave Donwan
Test conducted by: Adobe Assoc.	Subdivision: Yes <input type="checkbox"/> No <input type="checkbox"/>
Test verified by: Steve Brown	Water availability zone:
Special standards area:	USCS soil type:

Topography: Ridge <input type="checkbox"/> Slope <input checked="" type="checkbox"/> Saddle <input type="checkbox"/> Uasin <input type="checkbox"/> Convex <input checked="" type="checkbox"/> Planar <input type="checkbox"/> Concave <input type="checkbox"/>
Setbacks: Grade break <input type="checkbox"/> Walls <input type="checkbox"/> Springs <input type="checkbox"/> Streams <input type="checkbox"/>
Areas of concern: Trees <input checked="" type="checkbox"/> Drainage <input type="checkbox"/> Geology report <input type="checkbox"/> Rock outcrops <input type="checkbox"/> % Rock <input type="checkbox"/>
Hydrometer test: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth _____ Bulk density: Yes <input type="checkbox"/> No <input type="checkbox"/> Depth _____
Wet-weather perc required: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Wet-weather ground water required: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Perc depth: 60" Possible trench & rock depth: 60"/12" Pump system: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Mound <input type="checkbox"/> PDE <input type="checkbox"/> Eng. design <input type="checkbox"/> Potential for 60" standard system
Comments:

Diagram
hts



Profile <u>A</u>		Average Ground Slope: <u>10% ±</u>						
Depth	Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots
-20	10YR 3/4	-	SL	BL	Fr	V. Damp	Good	Many
-39	7.5YR 5/3	-	SCL	BL	Fr	Damp	Some	Some
-97	7.5YR 5/3	-	LS	BL	Fr	Damp	Good	Some
Mottling:					Depth to ground water:			
Other:								

Profile <u>B</u>		Average Ground Slope: <u>10% ±</u>						
Depth	Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots
-13	10YR 3/4	-	SL	BL	Fr	V. Damp	Many	Many
-50	10YR 5/3	-	C/CL	BL	Fr	Damp	Few	Few
-87	10YR 5/3	-	SL	BL	Fr	Damp	Good	Some
-100	10YR 5/3	-	SIL	BL	Fr	Damp	Some	Some
Mottling:					Depth to ground water:			
Other:								

Profile <u>C</u>		Average Ground Slope: <u>15% ±</u>						
Depth	Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots
-17	10YR 7/4	-	L	BL	Fr	V. damp	Many	Many
-52	10YR 5/3	-	CL	BL	Fr	damp	Few	Some
-77	10YR 5/3	-	SL	BL	F	damp	Fractures	Some
-107	10YR 5/3	-	SIL	BL	Fr	damp	Good	Few
Mottling:					Depth to ground water:			
Other:								

Abbreviations:

Texture: Gravel = G, Sand = S, Sandy Loam = SL, Sandy Clay Loam = SCL, Sandy Clay = SC, Silt Loam = SIL, Loam = L, Clay Loam = CL, Silty Clay Loam = SiCL, Clay = C

Structure: Granular = G, Platy = P, Blocky = B, Prismatic = Pr, Massive = M

Consistency: Loose = L, Vary Friable = VF, Friable = Fr, Firm = F, Very Firm = VF, Extremely Firm = EF



COUNTY OF SONOMA
DEPARTMENT OF EMERGENCY SERVICES
 FIRE SERVICES • EMERGENCY MANAGEMENT • HAZARDOUS MATERIALS

VERNON A. LOSH II, DIRECTOR

COMPLIANCE NOTICE
Fire Safe Standards

Address: <u>21996 Ansel Ct.</u>	Building Insp. Area: <u>2</u>
Permit #: <u>BLA00-26097</u>	Fire District: <u>Timber Cove</u>
Residential Fire Sprinklers Installed <input type="checkbox"/>	Residential <input type="checkbox"/>
Other <input type="checkbox"/>	Residential/Other <input type="checkbox"/>

- Provide an all-weather driving surface on roads, driveways and turnarounds. Base of driving surface shall be at least .8 feet of compacted Class 2 Aggregate Base. (Section 13-30)
- Provide water supply and fire hydrant. Install in compliance with the Fire Safe Standards. Fire hydrant outlet shall be between 18" & 24" in height. (Blue reflectors, Bollards) (Division D)

- IF BOX IS CHECKED, A LOCK WILL BE PUT ON YOUR PERMIT DUE TO A ROAD OR WATER PROBLEM. A REINSPECTION WILL BE NECESSARY TO CLEAR THE LOCK TO CONTINUE TO RECEIVE FURTHER INSPECTIONS. A REINSPECTION FEE WILL BE CHARGED.
- Road needs: To be Named / Street Sign. (Section 13-4-0)
 - Install permanent address at entrance - visible from both directions. (Section 13-16)
 - Address is to be reflectorized with a minimum number height of 4'. (Section 13-38)
 - Knox switch or box required for electric gate. (Section 13-38)
 - Vegetation Management: (overhead, roadside, SRA Management Plan, etc.). (Section 17-38)
 - Seismic holdowns required for propane tank. (Section UPC 7902, 8207)

- Okay to proceed with final inspection.
- Assess re-inspection fee.

Fire Safe Standards Inspection: Preliminary Final

7/11/02
Date

J.W. Seely ~ 565-3395
Patrick Whitfield ~ 565-3474
Greg Martin ~ 565-3707 #4

[Signature]
Inspector's Signature



COUNTY OF SO IOMA
DEPARTMENT OF EMERGENCY SERVICES
FIRE SERVICES • EMERGENCY MANAGEMENT • HAZARDOUS MATERIALS

VERNON A. LOSH II, DIRECTOR

Fire Safe Standards

PRELIMINARY REVIEW

Address: 2996 ANSEL COURT	Permit #: BLD 00-2697
Applicant: JASON ROYER	Phone #: 847-3260

FIRE SAFE STANDARDS APPLY DOES NOT APPLY

Driveway Access	Shown On Plans	Apply	Not Shown On Plans	Does not apply
Grade percentage/Distances				<input checked="" type="checkbox"/>
Turn around/hammerhead				
Turn radius				
Driveway shown out to public/mutual road				
Road surface				
Emergency Water Supply	Shown On Plans	Apply	Not Shown On Plans	Does not apply
Tank site/Capacity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Hydrant site	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Public hydrant site	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Property Line Setback	Shown On Plans	Apply	Not Shown On Plans	Does not apply
Setback distances	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Vegetation Management Plan Required		Yes	No	
Cave Dale	Fitch Mountain	Timber Cove	Trinity	
Seismic holdowns required for propane tank?		Yes	No	
Comments: NO WATER TANK/FIRE HYDRANT SHOWN				
VEGETATION MANAGEMENT PLAN REQUIRED				
SEISMIC HOLDOWNS NEEDED FOR PROPANE TANK				

Mitigation necessary?	Yes	No	Maybe
Applicant contacted?	Yes	No	
Resubmit amended site plan			<input checked="" type="checkbox"/>

Reviewed by: J.W. Ext. 3395
 Patrick Ext. 3474
 Jack Ext. 1152

Date: 6.26.00

BJY Inc.

Architecture • Engineering • Planning • Government Services

August 31, 2000

To: Michael W. Enright
Senior Civil Engineer
2550 Ventura Ave.
Santa Rosa, CA 95403

Re: Romeo Residence
21996 Ansel Court
Timber Cove, CA

APPROVAL

Permit # BLD00-2697

(BJY# 99012-42)

<u>Structure</u>	<u>Occ.</u>	<u>Occ. Load</u>	<u>Cons't. Type</u>	<u>Area S.F.</u>
SFD	R-3	5	V-N	1735
Garage	U-1	2	V-N	576

The above referenced project has been approved for compliance with the 1997 Uniform Building Codes (Architectural, Structural, Plumbing, Mechanical, and Electrical, the California Building Code and Title-24 Energy Standards).

SCOPE OF REVIEW:

The scope of this review covers Architectural, Structural, Plumbing, Mechanical and Electrical portion of the project. All features were checked only to the extent allowed by the submittals provided. All portions of this project are assumed to meet or will meet other departmental requirements, conditions and concerns before permit approval.

Your plans have only been reviewed for Sonoma County Building Department and Fire Department regulations. Other departments including the Planning Department and Public Works Department may require additional changes and/or permits concerning this project application.

Should you have any inquiries regarding this letter, please contact Ric Buchanan at (925) 251-9000 between 8:30 AM and 4:00 PM.

By: _____


Ric Buchanan
SE Area Manager, C.B.I.

BJY Inc.

Architecture • Engineering • Planning • Government Services

August 31, 2000

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Re: Romeo Residence
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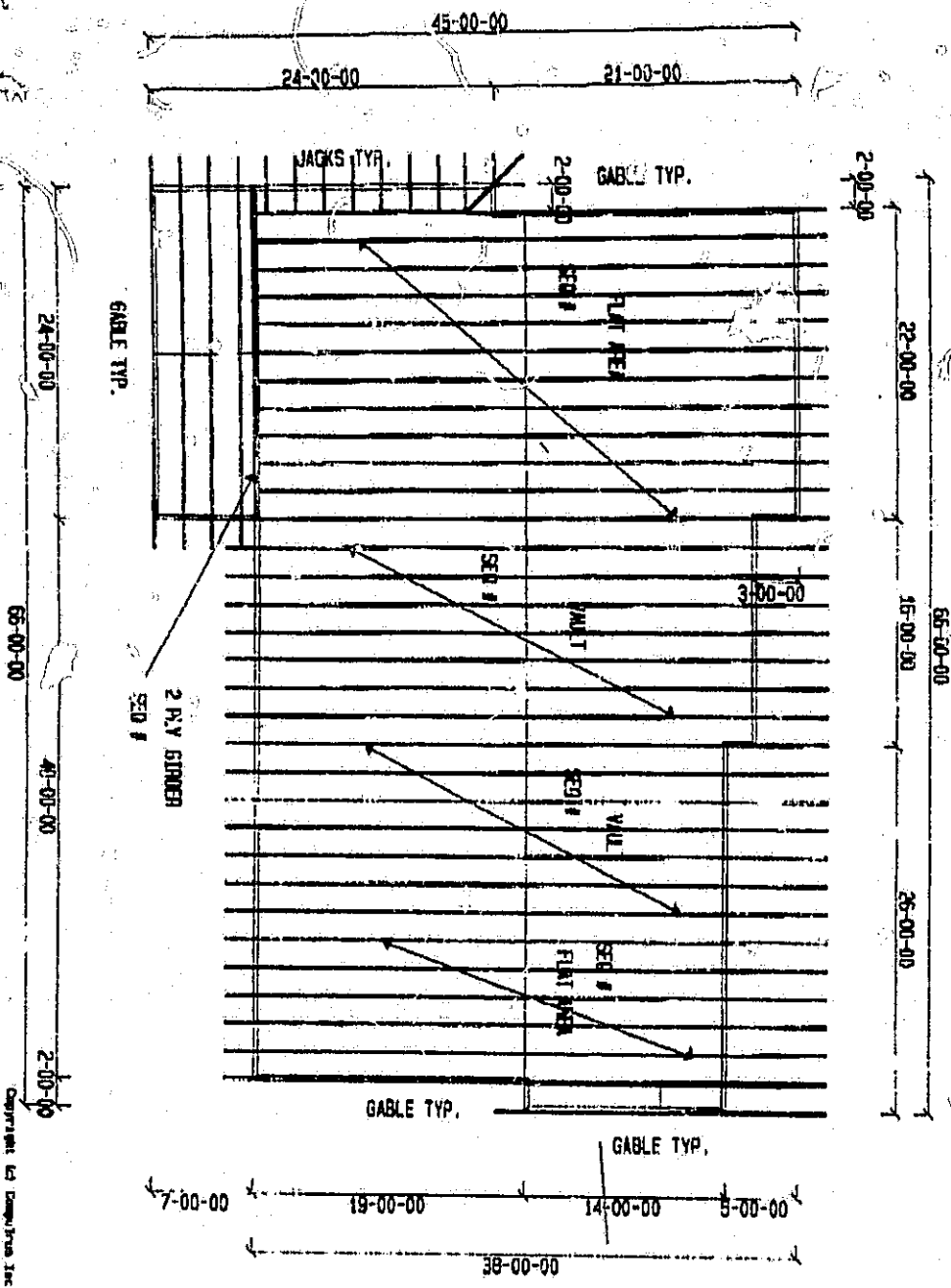
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By: 

Ric Buchanan
SF Area Manager, C.B.I.

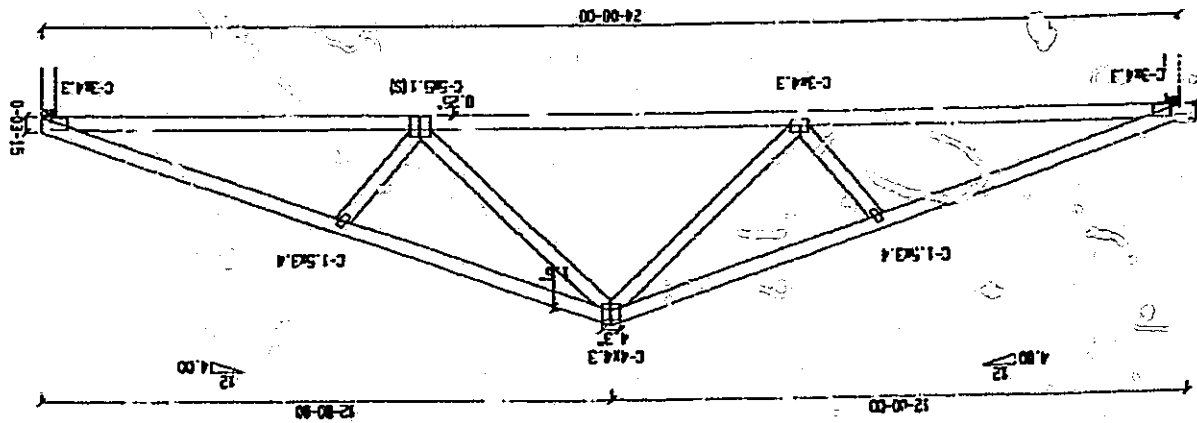


Copyright © Emporia Inc.

DATE: 08/23/00
 DES: BT
 JOB: 7077952516

SCALE: 3/8" = 1'-0"
 JOB NAME: R0802 24' CORR

This design prepared from computer output by MILLER LABOR INC.
 Design conforms to LRFD 93 AASHTO 1.04(11)-4



MAX TL DEF. = -.057' @ 8.7/200 = 1.321'
 MAX MOMENT LL DEF. = -.021' @ 8.5
 MAX MOMENT TL DEF. = .007' @ 8.5
 MAX TL DEF. = -.125' @ 8.7/100 = 1.501'
 MAX TL DEF. = -.057' @ 8.7/200 = 1.321'

WEARING SURF HEIGHT (SO. 200)
 JOINT 3 1.75 DEF. / 1.00 WF / 1.75 DEF.
 JOINT 5 1.75 DEF. / 1.00 WF / 1.75 DEF.

LEFT = 744 RIGHT = 744

MEMBER SINGLE MEMBER FORCES (KIPS)

1-4	-1611	8-4	1611	8-4	1611
1-2	-1428	8-2	1428	8-2	1428
1-3	-1428	8-3	1428	8-3	1428
1-5	-511	8-5	511	8-5	511
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1-99	0	8-99	0	8-99	0
1-100	0	8-100	0	8-100	0

BASE SPAN 24'-00"
 LOAD CRATION THROUGH = 1.25
 SPACED 24" @ 8" O.C.

LOADINGS
 LL (18.0) + EL (18.0) ON TOP CHORD = 25.0 PSF
 DL ON BOTTOM CHORD = 17.0 PSF
 DL ON BOTTOM CHORD = 20.0 PSF
 TOTAL LOAD = 30.0 PSF
 NO PER PERCESSION TAKEN ON
 BOTTOM CHORD WITH STRESS ONLY

BOTTOM CHORD CHECKED FOR SHORT LIVE LOAD TRIP
 AND BOTTOM CHORD LIVE LOADS ALL NON-COMPONENTIAL

MEMBER SPECIFICATIONS
 TOP CHORDS 2x4 BR. STRIP
 BOTTOM CHORDS 2x4 OR STRIP
 WEB 2x4 OR STRIP
 10 LATERAL SUPPORT @ 27" O.C. MIN.

LUMBER SPECIFICATIONS

SIZE	SPECIE	GRADE	PANEL ID
2x 6	DF	#2	TOP CHORDS
2x 8	DF	#2	BOTTOM CHORDS
2x 4	SP	STAND	MEMBERS

NO LATERAL SUPPORT @ 12' OC, UNY.
NO LATERAL SUPPORT @ 12' OC, UNY.

OFF PANEL SPLICE NOTE:
Off panel joint splices are located at 1/5 the panel length +/- 6" at either end of the panel indicated, except end panels.

24'-0" @ GIRDERS TRUSS SUPPORTING 30'-0" @
LOAD DURATION INCREASE = 1.25 @

LOADING

1C UNF LL	32.00-0.11	20.00 =	52.0 PUF	0"	10" TO 24"	10" VERT
2C UNF LL	231.00-0.11	200.00 =	311.0 PUF	0"	10" TO 24"	10" VERT

BOTTOM CHORD CHECKED FOR 100% LIVE LOAD. TOP
APPROXIMATE CHORD LIVE LOADS ACT NON-CONCURRENTLY.

(3) Complete trusses required.
Join together with 10d Box nails staggered at
12" oc throughout top chords,
4" oc throughout bottom chords,
12" oc throughout webs.

Note: Stagger splices on adjacent members.

ANGL/TP1 3 MEMBER FORCES @KNO

T 1	-18448	0 1	15883	0 1	2208	0 2	-3750
T 2	-12885	0 2	15422	0 2	-2348	0 7	2880
T 3	-10880	0 3	12113	0 3	2880	0 8	-2343
T 4	-10880	0 4	12113	0 4	-2750	0 9	2880
T 5	-13385	0 5	15423	0 5	6714		
T 6	-10448	0 6	75803				

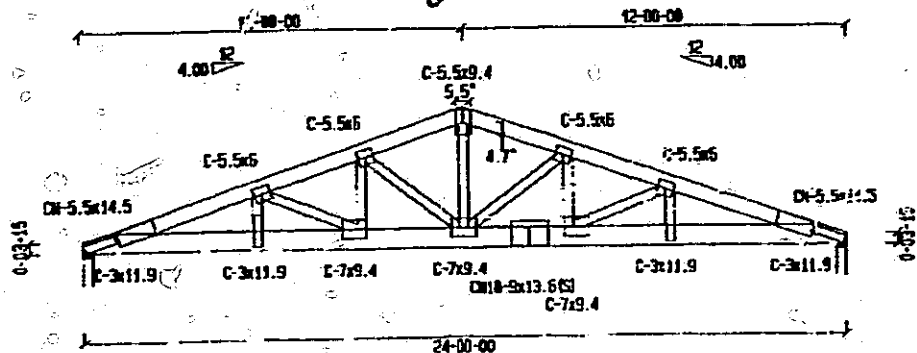
LEFT = 5758 RIGHT = 8758

BEARING AREA REQUIRED (SR. 30)

JOINT 5	10.83 SF / 15.00 WF / 25.00 SFF
JOINT 7	10.83 SF / 15.00 WF / 25.00 SFF

MAX LL DEFL = -.143" @ 1/240 = 1.171"
MAX TL DEFL = -.308" @ 1/180 = 1.881"
MAX HORIZ. LL DEFL = .037" @ 7
MAX HORIZ. TL DEFL = .088" @ 7

38 by



7877957516

08/23/2000 16:19

Scale: 1/4"
JOB NAME: PONES 24' GIRDER

This design prepared from computer input by Walters Lumber Inc.

Design conforms to UBC-97 Article 1.04(13)-4

DATE
BY: [initials]
NO:

LUMBER SPECIFICATIONS

SIZE	SPECIES GRADE	PANEL(S)
2x4	DF #18BT	TOP CHORD
2x4	DF #18BT	BOTTOM CHORD
2x4	DF STANB	MEMB

TC LATERAL SUPPORT @ 12' OC CHD.
 BC LATERAL SUPPORT @ 12' OC LDM.

TRUSS SPAN 19'-00"
 LOAD DURATION INCREASE = 1.75
 SPACERS 24.4" O.C.

LOADING

LL 15.01+HL 10.01 ON TOP CHORD = 26.8 PSF
 DL ON BOTTOM CHORD = 10.0 PSF
 TOTAL LOAD = 36.8 PSF
 45 PSF REDUCTION TAKEN ON
 BOTTOM CHORD AXIAL STRESS ONLY.

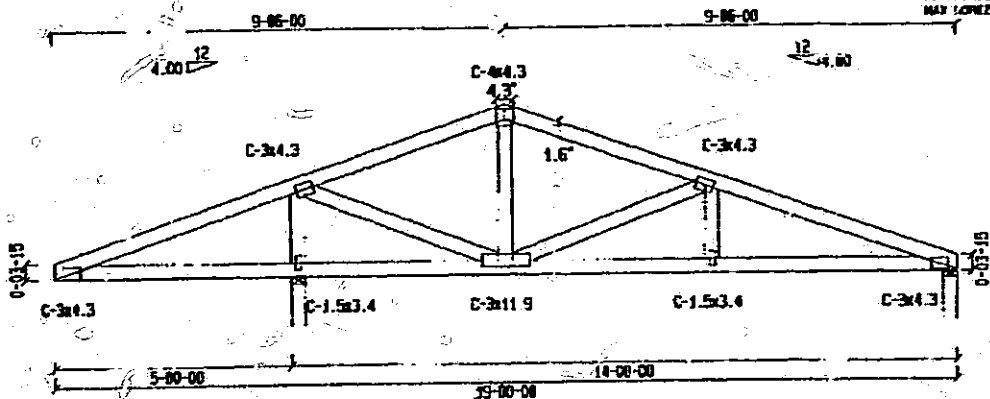
BOTTOM CHORD CHECKED FOR 10PSF LIVE LOAD. TOP
 AND BOTTOM CHORD LIVE LOADS ACT NON-COINCIDENTLY

ANSI/TPI	SIMPLE MEMBER FORCES	MEMB
T-1	503 @ 1-	-482 @ 1-
T-2	-231 @ 2-	-471 @ 2-
T-3	-231 @ 3-	388 @ 3-
T-4	-231 @ 4-	388 @ 4-

CHD @ 5'-3.8"
 LEFT = 603 RIGHT = 375

BEARING AREA REQUIRED ISO. JOINT
 JOINT 5 1.25 DF / 1.00 WF / 1.00 SPF
 JOINT 5 .60 DF / .30 WF / .80 SPF

MAX LL DEFL = -.013" @ L/240 = .515"
 MAX TL DEFL = -.025" @ L/100 = .885"
 MAX LL DEFL = -.015" @ L/240 = .578"
 MAX TL DEFL = -.020" @ L/100 = .844"
 MAX HORIZ. LL DEFL = .082" @ 5
 MAX HORIZ. TL DEFL = .085" @ 5



Scale: 3/8"
 JOB NAME: RCHD. 13' COM

This design prepared from computer input by Walters Lumber Inc.

Design conforms to UBC-97 Rev: 1 041913-M

DATE:
 DES. BY:
 SB:

88/25/2088 10:19 7877952515

LUMBER SPECIFICATIONS

SIZE	SPECIE GRADE	WALCEL
2x4	DF	#1800N
2x4	DF	#1800N
2x4	DF	#1800N
2x4	DF	#1800N

TC LATERAL SUPPORT @ 12'00" UBR.
 BC LATERAL SUPPORT @ 12'00" UBR.

TRUSS SPAN 36' - 00"
 LOAD DURATION INCREASE = 1.25
 SPACES 24.0" O.C.

LOADING

LLT 18.0' ON/LE 10.0' ON TOP CHORD = 26.0 PSF
 DL ON BOTTOM CHORD = 10.0 PSF
 TOTAL LOAD = 36.0 PSF
 AS PSF REACTION TAHER ON
 BOTTOM CHORD, AXIAL STRESS ONLY.

BOTTOM CHORD CHECKED FOR 100% LIVE LOAD, TOP
 AND BOTTOM CHORD LIVE LOADS ACT NON-CONCURRENTLY.

ANGL/TYPE SINGLE MEMBER FORCES AWED

T 1	-429	B 3	-473	N 3	-311	M 5	410
T 2	-506	B 2	-1633	N 2	-5454	M 6	-250
T 3	-1771	B 3	-1256	N 3	-362	M 7	-720
T 4	-1428	B 4	-2861	N 4	-586	M 8	84
T 5	-1483	B 5	2065				
T 6	-218						

CMT @ 5' - 3.5"

LEFT = 1862 RIGHT = 884

BEARING AREA REQUIRED (SQ. IN)

JOINT 6 2.38 DF / 3.25 WF / 3.21 SF
 JOINT 7 1.99 DF / 2.45 WF / 2.34 SF

MAX LL DEFL = .005" @ 1 L/240 = .528"

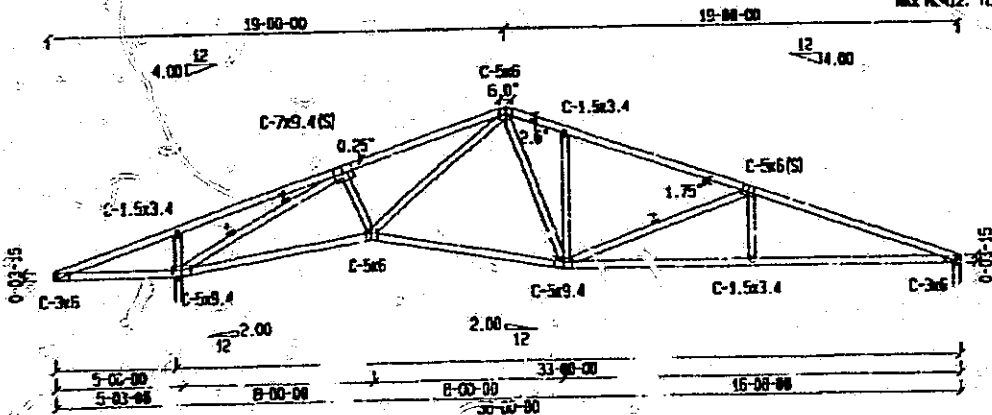
MAX TL DEFL = .010" @ 1 L/180 = .767"

MAX LL DEFL = -.022" @ 1 L/240 = -1.621"

MAX TL DEFL = -.226" @ 1 L/180 = -2.351"

MAX HORIZ. LL DEFL = .004" @ 7

MAX HORIZ. TL DEFL = .195" @ 7



Scale: 3/16"

3/8" NAME RIMED 36' VALL MB

This design prepared from computer input by Walters Lumber Inc.

Design conforms to UBC-97 Amerc.1.04(11) - 8

DATE:

DES. BY:

SEL. BY:

LUMBER SPECIFICATIONS

SIZE	SPECIE	GRADE	PANEL (S)
2x4	DF	#1BTR	1-5
2x4	DF	#1BTR	1-4
2x4	WF	STAND	1-7

TC LATERAL SUPPORT ↔ 12" OC, UGN
 SC LATERAL SUPPORT ↔ 12" OC, UGN

TRUSS SPAN 36'-00"
 LOAD DURATION INCREASE = 1.25
 SPACED 24.0" O.C.

LOADING

LL 16.00 + DL 10.00 ON TD: CHORD = 26.0 PSF
 RL ON BOTTOM CHORD = 16.0 PSF
 TOTAL LOAD = 36.0 PSF
 45% REDUCTION TAKEN ON
 BOTTOM CHORD, AXIAL STRESS ONLY.

BOTTOM CHORD CHECKED FOR 100% LIVE LOAD, TOP
 AND BOTTOM CHORD LIVE LOADS ACT SEPARATELY.

MGIT/TP1 SINGLE MEMBER FORCES (KIP)

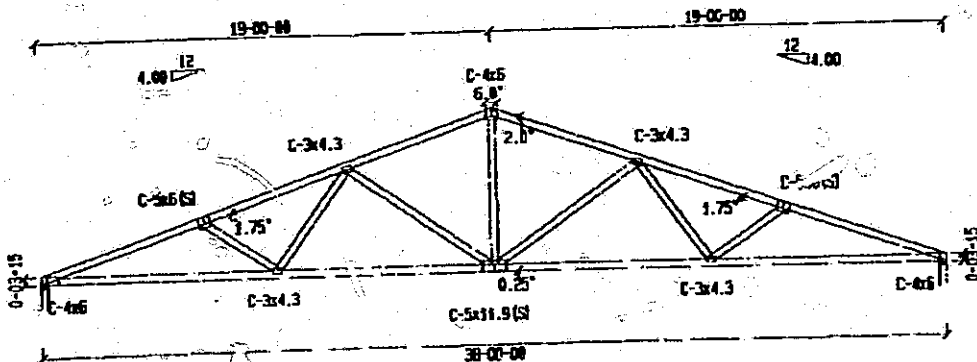
T 1	T 2	T 3	T 4	T 5	T 6
-2857	-2857	-1808	-1808	-2857	-2857
2896	2231	2231	2896	2896	2896
327	633	633	327	327	327

LEFT = 1178 RIGHT = 1178

BEARING AREA REQUIRED (SQ. IN)

JOINT	1	7
1	1.88 DF /	2.77 SF /
7	1.88 DF /	2.77 SF /

MAX CL DEFL = -.06" @ S L/240 = 1.87"
 MAX TL DEFL = -.361" @ S L/100 = 2.49"
 MAX HORIZ. LL DEFL = .001" @ 7
 MAX HORIZ. TL DEFL = .117" @ 7



Scale: 3/16"
 JOB NAME: BIRD 36' CORR

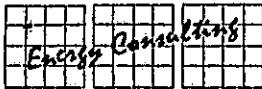
This design prepared from computer input by Holters Lumber Inc.

Design conforms to UBC-97 Inter-1.04(13)-8

DATE:
 DES. BY:
 APP.:

BJY #99012-42

SOL • DATA



1-800-95-ENERGY

401-C College Avenue
 Santa Rosa, CA 95401
 707 • 545-4440 • fax 545-4447
 e-mail: info@soldata.com

bill mattinson • sean plikuhn • sarah pernula

project: **Jason & Gina Romeo House**
 location: 21996 Ansel Court, Timber Cove
 date: June 14, 2000
 job #: 200417

Title 24 Energy Compliance Documentation

Method of Compliance: Micropas (Climate Zone 1)

Scope of Analysis: This project is in compliance with the 1998 edition of the California Residential Energy Standards when built as documented in this submittal.

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

INSULATION: R13 insulation at exterior walls; R30 insulation at roof; R19 at floors
HEATING: Gas furnace with 80% or higher AFUE efficiency.
DUCTS: R4.2 (supply ducts in crawl)
AC: n/a
WATER HEATING: one gas, 50 gallons or less, with an Energy Factor of 0.60 or higher.

THERMAL MASS: n/a
GLAZING: All windows and glass doors must be double pane -vinyl frames. Installed products must have equal or lower U-values than the values used in these codes and must have CEC or NFRC U-value labels affixed.

TABLE OF CONTENTS

TOC

Project Title.....	Romeo residence	Date..06/14/00 09:52:44
Project Address.....	21996 Angel Court Timber Cove	*****
Documentation Author..	Bill Mattinson SOL*DATA	*v5.10* *****
	401-C College Avenue Santa Rosa, CA 95401 707-545-4440	Building Permit # Plan Check / Date Field Check/ Date
Climate Zone.....	01	
Compliance Method.....	MICROPAS5 v5.10 for 1998 Standard, by Enercomp, Inc.	
MICROPAS5 v5.10 File-ROMEO Wth-CTZ01992 Program-TOC		
User#-MP0817 User-SOL*DATA Run-Romeo		

TABLE OF CONTENTS

Report	Page
FORM CF-1R.....	1
FORM MF-1R.....	4
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FORM C-3R.....	10
HVAC SIZING.....	11

Project Title..... Romeo residence Date..06/14/00 09:52:44
 Project Address..... 21996 Ansel Court *****
 Timber Cove *75.10*
 Documentation Author... Bill Mattinson *****
 SOL*DATA Building Permit #
 401-C College Avenue Plan Check / Date
 Santa Rosa, CA 95401
 707-545-4440 Field Check/ Date

Climate Zone..... 01
 Compliance Method..... MICROPAS5 v5.10 for 1998 Standards by Enercomp, Inc.

MICROPAS5 v5.10 File-ROME0 Wth-CTZ01S92 Program:FORM CF-1R
 User#-MFJ817 User-SOL*DATA Run-Romeo

GENERAL INFORMATION

Conditioned Floor Area..... 1735 sf
 Building Type..... Single Family Detached
 Construction Type New
 Building Front Orientation. Front Facing 270 deg (W)
 Number of Dwelling Units... 1
 Number of Stories..... 1
 Floor Construction Type.... Raised Floor
 Glazing Percentage..... 12.5 % of floor area
 Average Glazing U-value.... 0.55 Btu/hr-sf-F
 Average Glazing SHGC..... 0.66
 Average Ceiling Height..... 8 ft

BUILDING SHELL INSULATION

Component Type	Frame Type	Cavity R-value	Sheathing R-value	Total R-value	Assembly U-value	Location/Comments
Wall	Wood	R-13	R-n/a	R-13	0.088	
Door	Metal	R-0	R-n/a	R-0	0.330	
Wall	Wood	R-13	R-0	R-13	0.082	
Floor	Wood	R-19	R-n/a	R-19	0.037	
Roof	Wood	R-30	R-n/a	R-30	0.031	

FENESTRATION

Orientation	Area (sf)	U-Value	SHGC	Interior Shading	Exterior Shading	Overhang/Fins
Window Front (W)	20.0	0.550	0.650	Standard	Standard	None
Window Front (W)	20.0	0.550	0.650	Standard	Standard	None
Door Front (W)	3.0	0.770	0.700	Standard	Standard	None
Window Back (E)	9.0	0.550	0.650	Standard	Standard	None
Window Back (E)	30.0	0.550	0.650	Standard	Standard	None
Door Back (E)	40.0	0.500	0.650	Standard	Standard	None
Door Back (E)	40.0	0.500	0.650	Standard	Standard	None
Window Back (E)	20.0	0.550	0.650	Standard	Standard	None
Window Right (S)	10.0	0.550	0.650	Standard	Standard	None

Project Title..... Romeo residence

Date..(6/14/00 09:52:44

MICROPASS v5.10 File-ROMEO Wth-CTZ01S92 Program-FORM CF-1R
 User#-MP0817 User-SOL*DATA Run-Romeo

FENESTRATION

Orientation	Area (sf)	U-Value	SHGC	Interior Shading	Exterior Shading	Overhang/Fins
Window Right (S)	4.5	0.550	0.650	Standard	Standard	None
Window Right (S)	20.0	0.750	0.700	Standard	Standard	None

HVAC SYSTEMS

Equipment Type	Minimum Efficiency	Duct Location	Duct R-value	Tested Duct Leakage	ACCA Manual D	Thermostat Type
Furnace	0.800 AFUE	Crawlspace	R-4.2	No	No	Setback
NoCooling	10.00 SEER	Crawlspace	R-4.2	No	No	Setback

WATER HEATING SYSTEMS

Tank Type	Heater Type	Distribution Type	Number in System	Energy Factor	Tank Size (gal)	External Insulation R-value
Storage	Gas	Standard	1	0.60	50	R- n/a

SPECIAL FEATURES AND MODELING ASSUMPTIONS

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

This building incorporates non-standard Duct Location.

REMARKS

Project Title..... Romeo residence

Date..06/14/00 09:52:44

MICROPAS5 v5.10 File-ROMEO Wth-CT201892 Program-FCM: CF-1R
Usa.#-MP0817 User-SOL*DATA Run-Romeo

COMPLIANCE STATEMENT

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

DESIGNER or OWNER

DOCUMENTATION AUTHOR

Name.... Jason & Gina Romeo
Company. owners
Address. _____
Phone... 707-847-3260
License. _____

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

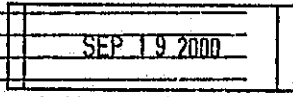
Signed.. *Gina Romeo* 6/16/00
(date)

Signed.. *Bill Mattinson*
(date)

ENFORCEMENT AGENCY

Name....
Title...
Agency...
Phone...

★ APPROVED ★



Signed.. _____
PERMIT AND RESOURCE
MANAGEMENT DEPARTMENT
(date)

MANDATORY MEASURES CHECKLIST: RESIDENTIAL

Page 4

MF-1R

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Project Title..... Romo residence
Project Address..... 21996 Ansel Court
Documentation Author... Bill Mattinson
Climate Zone..... 01
Compliance Method..... MICROPAS5 v5.10 for 1998 Standards by Enercomp, Inc.
-----
MICROPAS5 v5.10 File-ROMEO Wth-CTZ01S92 Program-FORM MF-1R
User#-MPOB17 User-SOI*DATA Run-Romeo
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Date..06/14/00 09:52:44
*****
*****
Building Permit #
Plan Check / Date
Field Check/ Date

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

BUILDING ENVELOPE MEASURES

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

Project Title..... Romeo residence

Date..06/14/00 09:52:44

MICROPASS v5.10 File-ROME0 Wth-CTZ01S92 Program-FORM MF-1R
 User#-MPO817 User-SOL*DATA Run-Romeo

- 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.

 SPACE CONDITIONING, WATER HEATING AND PLUMBING SYSTEM MEASURES

	Design- er	Enforce- ment
110-113: HVAC equipment, water heaters, showerheads and faucets certified by the Commission.	_____	_____
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): Pipe and Tank insulation		
1. Storage gas water heaters rated with an Energy Factor of less than 0.58 must be externally wrapped with insulation having an installed thermal resistance of R-12 or greater.		
2. First 5 feet of pipes closest to water heater tank, non-recirculating systems, insulated (R-4 or greater).		
3. Back-up tanks for solar systems, unfired storage tanks, or other indirect hot water tanks have R-12 external insulation or R-16 combined internal/external insulation.		
4. All buried or exposed piping insulated in recirculating sections of hot water system.		
5. Cooling system piping below 55 degrees insulated.		
6. Piping insulated between heating source and indirect hot water tank.	_____	_____
150(m): Ducts and Fans		
1. All ducts and plenums constructed, installed, insulated, fastened, and sealed to comply with the ICBO 1997 UMC sections 601 and 603; ducts insulated to a minimum installed R-4.2 or ducts enclosed entirely within conditioned space. Openings shall be sealed with mastic, tape, aerosol sealant or other duct closure system that meets the applicable requirements of UL181, UL181A, or UL181B and other applicable specified tests for longevity given in Sec. 150(m).		
2. Exhaust fan systems have backdraft or automatic dampers.		
3. Gravity ventilating systems serving conditioned space have either automatic or readily accessible, manually operated dampers.		
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 inches of pipe between filter and heater for future solar heating.		

Project Title..... Romeo residence

Date..06/14/00 09:52:44

MICROPAS5 v5.10 File-ROMEO Wth-CTZ01S92 Program-FORM MF-1R
User#-MP0817 User-SOL*DATA Run-Romeo

b. Cover for outdoor pools or outdoor spas.

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

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

LIGHTING MEASURES

Design- Enforce-
er ment

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

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

COMPUTER METHOD SUMMARY

Page 7

C-2R

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Project Title..... Romeo residence           Date..06/14/00 09:52:44
Project Address..... 21996 Ansel Court       *****
                Timber Cove                 *v5.10*
Documentation Author... Bill Mattinson      *****
                SOL*DATA
                401-C College Avenue
                Santa Rosa, CA 95401
                707-545-4440
Climate Zone..... 01
Compliance Method..... MICROPASS v5.10 for 1998 Standards by Enercomp, Inc.
-----
MICROPASS v5.10 File-ROMEO Wth-CT201S92 Program-FORM C-2R
User#-MP0817 User-SOL*DATA Run-Romeo
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Building Permit #
Plan Check / Date
Field Check/ Date

MICROPASS ENERGY USE SUMMARY

Energy Use (kBtu/sf-yr)	Standard Design	Proposed Design	Compliance Margin
Space Heating.....	18.65	18.61	0.04
Space Cooling.....	0.00	0.00	0.00
Water Heating.....	14.29	12.43	1.86
Total	32.94	31.04	1.90

*** Building complies with Computer Performance ***

GENERAL INFORMATION

```

-----
Conditioned Floor Area.... 1735 sf
Building Type..... Single Family Detached
Construction Type ..... New
Building Front Orientation. Front Facing 270 deg (W)
Number of Dwelling Units... 1
Number of Building Stories. 1
Weather Data Type..... ReducedYear

Floor Construction Type... Raised Floor
Number of Building Zones... 1
Conditioned Volume..... 13880 cf
Slab-On-Grade Area..... 0 sf
Glazing Percentage..... 12.5 % of floor area
Average Glazing U-value... 0.55 Btu/hr-sf-F
Average Glazing SHGC..... 0.66
Average Ceiling Height.... 8 ft
    
```

Project Title..... Romeo residence

Date..06/14/00 09:52:44

MICROPAS5 v5.10 File-ROMEO Wth-CTZ01S92 Program-FORM C-2R
 User#-MP0817 User-SOL*DATA Run-Romeo

BUILDING ZONE INFORMATION

Zone Type	Floor Area (sf)	Volume (cf)	# of Dwell Units	Cond-itioned	Thermostat Type	Vent Height (ft)	Vent Area (sf)	Air Leakage Credit
HOUSE Residence	1735	13880	1.00	Yes	Setback	2.0	Standard	No

OPAQUE SURFACES

Surface	Area (sf)	U-value	Insul R-val	Act Azm	Solar Tilt	Gains	Form 3 Reference	Location/ Comments
HOUSE								
1 Wall	285	0.088	13	270	90	Yes	None	
2 Door	16	0.330	0	270	90	Yes	None	
3 Wall	150	0.082	13	270	90	No	WALL.13.GAR	
4 Door	18	0.330	0	270	90	No	None	
5 Wall	216	0.088	13	0	90	Yes	None	
6 Wall	136	0.082	13	0	90	No	WALL.13.GAR	
7 Wall	373	0.088	13	90	90	Yes	None	
8 Wall	270	0.088	13	180	90	Yes	None	
9 Wall	48	0.082	13	180	90	No	WALL.13.GAR	
10 Floor	1735	0.037	19	n/a	0	No	None	
11 Roof	1735	0.031	30	n/a	0	Yes	None	

FENESTRATION SURFACES

Orientation	Area (sf)	U-Value	SHGC	Act Azm	Tilt	Exterior Shade Type/SHGC	Interior Shade Type/SHGC
HOUSE							
1 Window Front (W)	20.0	0.550	0.650	270	90	Standard/0.76	Standard/0.68
2 Window Front (W)	20.0	0.550	0.650	270	90	Standard/0.76	Standard/0.68
3 Door Front (W)	3.0	0.770	0.700	270	90	Standard/0.76	Standard/0.68
4 Window Back (E)	9.0	0.550	0.650	90	90	Standard/0.76	Standard/0.68
5 Window Back (E)	30.0	0.550	0.650	90	90	Standard/0.76	Standard/0.68
6 Door Back (E)	40.0	0.500	0.650	90	90	Standard/0.76	Standard/0.68
7 Door Back (E)	10.0	0.500	0.650	90	90	Standard/0.76	Standard/0.68
8 Window Back (E)	20.0	0.550	0.650	90	90	Standard/0.76	Standard/0.68
9 Window Right (S)	10.0	0.550	0.650	180	90	Standard/0.76	Standard/0.68
10 Window Right (S)	4.5	0.550	0.650	180	90	Standard/0.76	Standard/0.68
11 Window Right (S)	20.0	0.750	0.700	180	90	Standard/0.76	Standard/0.68

Project Title..... Romeo residence

Date..06/14/00 09:52:44

MICROPASS v5.10 File-ROMEC Wth-CT201S92 Program-FORM C-2R
 User#-MP0817 User-SOL*DATA Run-Romeo

 HVAC SYSTEMS

System Type	Minimum Efficiency	Duct Location	Duct R-value	Tested Leakage	Duct Manual D	Duct Eff
HOUSE						
Furnace	0.800 AFUE	Crawlspace	R-4.2	No	No	0.755
NoCooling	10.00 SEER	Crawlspace	R-4.2	No	No	0.833

 WATER HEATING SYSTEMS

Tank Type	Heater Type	Distribution Type	Number in System	Energy Factor	Tank Size (gal)	External Insulation R-value
1 Storage	Gas	Standard	1	0.60	50	R- n/a

 SPECIAL FEATURES AND MODELING ASSUMPTIONS

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

This building incorporates non-standard Duct Location.

 REMARKS

Project Title..... Romeo residence

Date..06/14/00 09:52:44

MICROPASS v5.10 File-ROMEOWth-CTZ01S92 Program-FORM 3R
 User#-MP0817 User-SOL*DATA Run-Romeo

Parallel Path Method

Reference Name . WALL.13.GAR

Description Wall R-13 2x4 16oc

Type Wall

R-Value 13 Hr-sf-F/Btu

Framing

Material FIR.2X4

Type Wood

Description .. 2x4 fir

Spacing 16 inches on center

Framing Frac.. 0.15

Sketch of Construction Assembly

LIST OF CONSTRUCTION COMPONENTS

Material Name	Description	Cavity R-Value	Frame R-Value
0. FILM.IN.WLL	Inside air film: heat sideways	0.68	0.68
1. GYP.0.50	0.50 in gypsum or plaster board	0.45	0.45
2c. BATT.R13	R-13 batt insul (cavity = 3.5 in)	13.00	--
2f. FIR.2X4	2x4 fir	--	3.47
3. GYP.0.50	0.50 in gypsum or plaster board	0.45	0.45
4. FILM.IN.WLL	Inside air film: heat sideways	0.68	0.68
Total Unadjusted R-Values		15.26	5.73

FRAMING ADJUSTMENT CALCULATION

Cavity	Framing	Total
$U\text{-Value: } (1 / 15.26 \times 0.85) + (1 / 5.73 \times 0.15) = 0.082 \text{ Btu/hr-sf-F}$		
$\text{Total R-Value: } 1 / 0.082 = 12.21 \text{ hr-sf-F/Btu}$		

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Project Title..... Romeo residence                               Date..06/14/00 09:52:44
Project Address....., 21996 Ansel Court                         *****
                    Timber Cove                               *v5.10*
Documentation Author... Bill Mattinson                         *****
                    SOL*DATA
                    401-C College Avenue
                    Santa Rosa, CA 95401
                    707-545-4440
Climate Zone..... 01
Compliance Method..... MICROPAS5 v5.10 for 1998 Standards by Enercomp, Inc.
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| MICROPAS5 v5.10 File-ROME? Wth-CTZ01S92 Program-HVAC SIZING |
| User#-MP0817 User-SOL*DATA Run-Romeo                       |
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GENERAL INFORMATION

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Floor Area..... 1735 sf
Volume..... 13880 cf
Front Orientation..... Front Facing 270 deg (W)
Sizing Location..... FORT ROSS
Latitude..... 38.5 degrees
Winter Outside Design..... 35 F
Winter Inside Design..... 70 F
Summer Outside Design..... 74 F
Summer Inside Design..... 78 F
Summer Range..... 19 F
Interior Shading Used..... No
Exterior Shading Used..... No
Overhang Shading Used..... Yes
Latent Load Fraction..... 0.20

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HEATING AND COOLING LOAD SUMMARY

Description	Heating (Btuh)	Cooling (Btuh)
Opaque Conduction and Solar.....	9001	1672
Glazing Conduction.....	4191	0
Glazing Solar.....	n/a	11206
Infiltration.....	6515	0
Internal Gain.....	n/a	2100
Ducts.....	1971	749
Sensible Load.....	21677	15727
Latent Load.....	n/a	3145
Minimum Total Load	21677	18872

Note: The loads shown are only one of the criteria affecting the selection of HVAC equipment. Other relevant design factors such as air flow requirements, outside air, outdoor design temperatures, coil sizing, availability of equipment, oversizing safety margin, etc., must also be considered. It is the HVAC designer's responsibility to consider all factors when selecting the HVAC equipment.