Dobias Project T	Residence					11/23/2004		
	Old Mammo address	oth Road	Mammoth	n Lakes		Building Permit #		
Title 24 Data Corporation Documentation Author				(800) 237-88 Telephone	324_	Plan Check / Date		
Compu	iter Perform	nance		16		Field Check / Date		
	ice Method (Pac		iputer)	Climate Zo	ne	Enforcement Agency Use O		
	L INFORMATION		1 077 (1)		0 '11'	0.00		
	conditioned F conditioned S		1,973_ft ² 6ft ²	Avera	ge Celling Heig	ght: 9.6 ft		
Building	g Type: one or more)						
`	ngle Family		☐ Addit	ion				
Si	ngle Family		Exist	ing Building				
∐ M≀	ulti—Family		☐ Exist	ing Plus Addition				
Front ()rientation:_(Northwes	t)315dea	Floor Construction	n Type:□ slah	Floor		
Numbe	r of Dwelling			2 2 2 3 . 3 . 1 0 1				
Numbei	r of Stories:	_	2		[X] Rais	ed Floor		
DIIII DIA	IO CHELL INC	STIL A TION						
	NG SHELL INS	BULATION		Const.	1 1 / 6	2		
Compo Type	nent		Frame A Type	ssembly U-Value	Location/C (attic, garag	Comments e, typical, etc.)		
R-19 Flo			W ood		· · · · · · · · · · · · · · · · · · ·	space (w/R-6 Credit)		
Log Wall R-19 Wa			<u>W ood</u> W ood					
R-30 Ro	of		Wood	0.034 Exterior R	oof			
FENEST	· PATION		<u> </u>		Sho	ading Devices		
Type	Orientation	Area (SF)		Fenestration SHGC	Exterior	Overhang Side , Fir		
Left	(Northeast)	(SF) 178	U-Factor 0.45	SHGC 0.39	Shading Bug Screen	Yes / No Yes / N 		
Left	(Northeast)	573	0.47	0.48	Bug Screen	X		
Right	(Southwest)	37.8	0.45	0.39	Bug Screen			
<u>Right</u>	(Southwest)	<u>759</u>	0.47	0.48	Bug Screen			
<u>Rear</u> Rear	<u>(Southeast)</u> (Southeast)	178 328	0.45	0.39 0.48	Bug Screen Bug Screen			
<u>kear</u> Front	(Northwest)	20.0	0.47	0.48	Bug Screen Bug Screen			
Front	(Northwest)	87.5	0.47	0.48	Bug Screen			
Left	(Northeast)	45.5	0.48	0.52	Bug Screen			
Right	(Southwest)	74.0	0.48	0.52	Bug Screen			
Rear	(Southeast)	15.0	0.48	0.52	Bug Screen			
Front	(Northwest)	1288	0.48	0.52	Bug Screen			
			ation Times. 11/		Pun Code	e: 1101231593		
		Run Initi	unon iime: 11/	23/04 09:39:33	Kull Coue	5. TIVIZO1000		

Project Title	<u>sidence</u>		-		11/23/2004 Date			
HVAC SYST	EMS Note: In	mut Hudronic or C	Combined Hydronic data ເ	ınder Water He	eating System		leating Load.	
Heating Equipment Minimum Type (furnace, heat Efficiency		Distribution Type and Location (ducts, attic, etc.)	Duct or Piping	Thermos		ion /		
Central Furnace		80% AFUE Ducts in Attic		4.2	Setbac	k Res HV.	Res HVAC	
Gravity Wall Fu	rnace	63% AFUE	Ductless / with Fan	n/a	Setbac	k Res HV	AC - Guest	
Cooling Equi Type (air cor heat pump, e	ditioner,	Minimum Efficiency (SEER)	Duct Location (attic, etc.)	Duct R-Value	Thermos Type	tat Locat Comr		
No Cooling		10.0 SEER	Ducts in Attic	4.2	Setbac	k Res HV	AC	
No Cooling		10.0 SEER	Ducts in Attic	4.2	Setbac	k Res HV	AC - Guest	
WATER HEA			Distribution # i	Rated ¹	Tank	Energy Fact ¹ or Recovery	1 Standby	External Tank Insul.
Water Heate System Nam	22	/ater Heater ype	Distribution # in Type Sy	n Input st. Btu/hr		Efficiency	Loss (%)	R-Value
AQUASTAR 125		nstant Gas S	qual to 75,000 Btu/hr), elect		00 0		anergy factor.	n/a
For large gas s	torage water heatens gas water	ers (rated input of g	reater than 75,000 Btu/hr), it and Recovery Efficiency.	list Rated Input	Recovery Effi	ciency and Standb	y Loss.	
California Code overall design re	of compliance list of Regulations, esponsibility. The ation by an appro-	ts the building fe	ssions Code)	lement them.	This certifica ealing and TX tation Autl	te has been sign (V's requires inst	ed by the ind aller testing a	ividual with nd certification
Designer or					THE PROPERTY OF			
Designer or Name:				Title/Firm:	Title 24 Dat	a Corporation		
Designer or Name: Title/Firm: §				Title/Firm: Address:	633 Monter	ey Trail		
Designer or Name:	Scott Dobias 21 Cazador Lar			Address:	633 Monter Frazier Parl	ey Trail <, CA 93225-219		
Designer or Name: Title/Firm: S Address: S Telephone:	Scott Dobias 21 Cazador Lar San Clemente, C	ne CA 92672		Address: Telephone	633 Monter Frazier Parl (800) 237-8	ey Trail k, CA 93225-219 824	9	
Designer or Name: Title/Firm: 9 Address: 3 Telephone: (Lic. #: (signature) Enforcemer	Scott Dobias 21 Cazador Lar San Clemente, C 949) 310-8187	ne CA 92672	(date)	Address: Telephone	633 Monter Frazier Parl : (800) 237-8	ey Trail <, CA 93225-219	9	
Designer or Name: Title/Firm: _9 Address: S Telephone: Lic. #: (signature) Enforcemer Name:	Scott Dobias 21 Cazador Lar San Clemente, C 949) 310-8187	ne CA 92672	(date)	Address: Telephone	633 Monter Frazier Parl : (800) 237-8	ey Trail k, CA 93225-219 824	9	1.23.01
Designer or Name:	Scott Dobias 21 Cazador Lar San Clemente, C 949) 310-8187	ne CA 92672	(date)	Address: Telephone	633 Monter Frazier Parl : (800) 237-8	ey Trail k, CA 93225-219 824	9	1.23.01

Project Title	<u>lence</u>				<u>/23/2</u>
he local enforcemer ritten justification a nforcement agency	nt agency sh nd documen: determines t	tation, and special verit he adeauacy of the ius	ion to the items specified in this che fication to be used with the perform: stification, and may reject a building	ance approach. The local	
			documentation submitted.		Plan
HIGH MASS Design(see	e C-2R) - V	erify Thermal Mass: 35	O sqft Wood, Solid/Logs Exterior Mass,	, 12.00" thick at Main Floor	
			2 sqft Wood, Solid/Logs Exterior Mass,		
• '			O sqft Wood, Solid/Logs Exterior Mass,		
• ,		•	6 sqft Wood, Solid/Logs Exterior Mass,		
			sqft Wood, Solid/Logs Exterior Mass,		
			sqft Wood, Solid/Logs Exterior Mass,		
HIGH MASS Design(see	e C-2R) - V	erify Thermal Mass: 11	2 sqft Wood, Solid/Logs Exterior Mass,	, 12.00" thick at Main Floor — Guest	
HERS Required	Verificat	ion			
These features must provider. The HERS	t be confirm rater must	ed and/or tested by a document the field ver	certified HERS rater under the super ification and diagnostic testing of th	vision of a CEC approved HERS ese measures on a form CF—6R.	Plan

NOTE: Lowrise residential buildings subject to the Standards must contain these measures regardless of the compliance approacherisk (*) may be superseded by more stringent compliance requirements listed on the Certificate of Compliance. The permit documents, the features noted shall be considered by all parties as minimum component performance specified they are shown elsewhere in the documents or on mis checklist only.	When this checklis	t is incorporated into
DESCRIPTION Instructions: Check or initial applicable boxes or enter N/A if not applicable.	DESIGNER	ENFORCEMENT
Building Envelope Measures		
X * 150(a): Winimum R-19 ceiling insulation.		
150(b): Loose fill insulation manufacturer's laceled R-Value.		
* 150(c): Minimum R-13 wall insulation in wood framed walls or equivalent U-value in metal frame walls (coes not apply to exterior mass walls).		
* 150(d): Winimum R-13 raised floor insulation in framed floors or equivalent.		
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 insulation quality standards. Indicate type and form.		
116-17: Fenestration Products, Exterior Doors and Infiltration/Exfiltration Controls		
Doors and windows between conditioned and unconditioned spaces designed to limit air leakage.		
2. Ferestration procuets (except field fabricated) have label with certified U—Fector, certified Solar Heat Gain		
Coefficient (SHSC), and infiltration certification.		
3. Exterior doors and windows wearnerstripped; all joints and penetrations caulked and sealed.		
150(g): Vacor barriers mandatory in Climate Zones 14 and 16 only.		
150(f): Special infiltration barrier installed to comply with Section 151 meets Commission quality stancards.		
150(e): Installation of Fireplaces, Decorative Gas Appliances and Gas Logs. 1. Masonry and factory—built fireplaces have: c. Closeable metal or gloss door b. Outsice air intake with domper and control c. Flue damper and control 2. No continuous burning gas pilots allowed.		
Space Conditioning, Water Heating and Plumbing System Measures		
110-'3: HVAC equipment, water neaters, snowerheads and faucets certified by the Commission.		
150(h): Hearing and/or cooling loads calculated in accordance with ASHRAE, SMACNA or ACCA.		
X 153(i): Setback thermostat on all applicable hecting and/or cooling systems.		
150(j): Pipe and Tank Insulation 1. Storage gas water neaters rated with an Energy Factor less than 0.58 must be externally wrapped with insulation having an installed thermal resistance of R-12 or greater. 2. First 5 feet of pipes closes to water heater tank, non-recirculating systems, insulated (R-4 or greater) 3. Back-up tanks for solar system, unfired storage tanks, or other indirect hot water tanks have R-12 external insulation or R-16 combined internal/external insulation. 4. All buried or exposed piping insulated in recirculating sections of hot water systems. 5. Cooling system piping below 55 degrees F. insulated. 6. Piping insulating between heating source and indirect hot water tank.		
EnergyPro 3.1 By EnergySoft User Number: 1348 Job Number: 114001		

RIPTION Instructions: Check or initial applicable boxes or enter N/A if not applicable.	DESIGNER	ENFORCEMEN
e Conditioning, Water Heating and Plumbing System Measures: (continued)		
150(m): Ducts and Fans		
603, 604 and Standard 6-3; ducts insulated to a minimum installed level of R-4.2 or enclosed entirely in conditioned space. Openings shall be sealed with mastic, tape, aerosol sealant, or other duct-closure system that meets the applicable requirements of UL181, UL181A, or UL181B. If mastic or tape is used to seal openings greater than 1/4 inch, the combination of mastic and either mesh or tape shall be used. Building cavities shall not be used for conveying conditioned air. Joints and seams of duct systems and their components shall not be sealed with cloth back rubber adhesive duct tapes unless such tape is used in combination with mastic and drawbands.		
than sealed sheet metal, duct board or flexible duct shall not be used for conveying conditioned air. Building cavilies and support platforms may contain ducts. Ducts installed in cavilies and support platforms shall not be		
duct tapes unless such a tape is used in combination with mastic and drawbands.		
5. Gravity ventilation systems serving conditioned space have eitherautomatic or readily accessible, manually		
equipment maintenance, and wind but not limited to the following: Insulation exposed to weather shall be suitable for outdoor service e.g., protected by aluminum, sheet metal, painted canvas, or plastic cover. Cellular foam insulation shall be protected as above or painted with a ccating that is water retardant and provides shielding		
 Certified with 78% thermal efficiency, on-off switch, weatherproof operating instructions, no electric resistance heating, and no pilot. System is installed with at least 36" of pipe between filter and heater for future solar, cover for outdoor pools or spas. a. At least 36" of pipe between filter and heater for future solar heating. b. Cover for outdoor pools or outdoor spas. 		
118 (f): Cool Roof material meet specified criteria		
nting Measures		
general lighting in kitchens. This general lighting shall be controlled by a switch on a readily accessible lighting		
	e Conditioning, Water Heating and Plumbing System Measures: (continued) 150(m): Duols and Fans 1. All duots and planums installed, scaled and insulated to meet the requirements of the 1998 CMC Sections 601, 603, 604 and Standard 6-3; ducts insulated to a minimum installed level of R-4.2 or enclosed entirely in 603, 604 and Standard 6-3; ducts insulated to a minimum installed level of R-4.2 or enclosed entirely in 603, 604 and Standard 6-3; ducts insulated to a minimum installed level of R-4.2 or enclosed entirely in 603, 604 and Standard 6-3; ducts insulated to a minimum installed level of R-4.2 or enclosed entirely in 603, 604 and Standard 6-3; ducts and the mastic, tape, accessal scalant, or other duct-closure systems 604 that the explicable requirements of ULI81, ULI81A, or ULI81B. If mastic or tope is used to seal openings 605 greater than 1/4 linch, the combination of mastic and elements of the ps shall be used. So used the close of the shall not be used for conveying conditions shall not be 606 sealed with cloth book rubber adhesive duct hapes unless such tape is used in combination with mastic and 607 drawbands. 2. Building covities, support platforms and certain than 160 be used for conveying conditioned air. Building 607 covities and support platforms may contain ducts. Ducts installed in covities and support platforms shall not be 608 to support platforms may contain ducts. Ducts installed in covities and support platforms shall not be 609 to support platforms and their components shall not be used with cloth book rubber adhesive 600 duct types unless such a tape is used in combination with mastic and drawbands. 1. Exhauct fan systems have book draft or automatic damage, including that due to sunlight, maisture, 61. Exhauct fan systems have book draft or automatic damage, including that due to sunlight, maisture, 62. Protection of Insulation, Insulation shall be protected from damage, including that due to sunlight, maisture, 63. Gravity ventilation systems serving conditioned space have eitheraut	e Conditioning, Water Heating and Plumbing System Measures: (continued) 1.50(m): Ducts and fors 1. All ducts and planums installed, sealed and insulated to meet the requirements of the 1996 CMC Sections 601, 605, 604 and Standard 6-35 ducts insulated to a minimum installed level of R-4.2 or enclosed entirely in a conditioned space, Openings shall be sealed with missilic, tope, access account, or other duct-closure system that meets the applicable requirements of ULISI, ULISIA, or ULISIA. If meets or tope is used to seal openings greater than 1/4 links, the combination of mostic and either meats or tope shall be used. Building coviles shall not be used for convering conditioned cir. Joints one seams of duct systems and their components shall not be sealed with cloth back rubber adhesive duct tapes unless such tope is used in combination with meeting of direvalueds. 2. Building coviles, support platforms for air handlers, and pleaums defined or constructed with melerials other han sealed sheet metal, duct board or flexible duct shall not be used for converging conditioned oir. Building coviles and support platforms may contain ducts. Bucts installed in coviles and support platforms shall not be compressed to cause reductions in the cross-sectional area of the ducts. 3. Joints and somes of duct systems and their components shall not be sailed with cloth back rubber adhesive duct tapes unless such a tope is used in combination with mestic and drawbands. 5. Growly verification systems serving conditioned space have eitheroutomatic or readily accessible, manually apparented dampers. 6. Protection of insulation, insulation shall be protected from damage, including that due to sunlight, moisture, sequipment maintenance, and wise but not limited to the falewing: insulation exposed to exacther shall be audibble for outdoor service e.g., protected by durninum, sheet metal, pointed convex, or plastic cover. Cellular form insolation that can cause degradation of the material. 1. Certified with 78% thermal efficiency,

The Log Connection
101, 208 Ellis St,
Penticton, B.C, Canada
V2A 4L6
Toll Free 1-888-207-0210
Phone (250) 770-9031

The Log Connection

General Contractor: Scott Dobias, San Clemente, CA Structural Engineering: Alpine Engineering, 615 Front St. Coeur d'Alene, Idaho, 83814

ARED FOR:
Dobias, 321 Cazador Lane, San Clemente, CA. 02672
Number: (949) 310-8187
Address: 2361 Old Mammoth Rd. Mammoth Lakes. CA.

ENERGY CALCUL
PAGE TITLE

NONE
SCALE

15 OCT. 2004

DAVE SUTTON CHECKED BY

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