

Project Title LARSEN ADDITION

Project Address 6871 RENEWAL DR, SAN DIEGO

Documentation Author STEVE LARSEN

Telephone 619-465-0640

Compliance Method (Package) or Computer) Climate Zone 7

Date 1-28-2010

Building Permit # _____

Plan Check / Date _____

Field Check / Date _____

Enforcement Agency Use Only _____

GENERAL INFORMATION

Total Conditioned Floor Area 680 ft² Average Ceiling Height: 8 ft

Conditioned Slab Floor Area 680 ft²

Building Type: Single Family Addition
 Multi-Family Existing-Plus-Addition

Front Orientation: _____ North South East / West / All Orientations
(input front orientation in degrees from True North and circle one)

Number of Stories 1

Number of Dwelling Units: 1

Floor Construction Type: Slab/Raised Floor (circle one or both)

RADIANT BARRIER (required in climate zones 2, 4, 8-15) Required for this submittal yes no

BUILDING ENVELOPE INSULATION

Component Type	Frame Type wd = wood stl = steel	Cavity Insulation R-Value	Sheathing Insulation R-Value	Total R- Value ¹	Assembly U-Factor ¹	Location/Comments (attic, garage, typical, etc.)
Wall	wood	R-13		R-13	0.072	EXTERIOR WALL
Wall						
Roof	wood	R-30		R-30	0.031	ATTIC
Roof						
Floor						
Floor						
Slab Edge						

¹ For prescriptive compliance, Total R-Value and Assembly U-Factor are not required for a wood-framed wall that meets cavity R-value insulation requirements for the Prescriptive Package.

FENESTRATION

Fenestration #/Type/Pos.	Orien- tation	Area (ft ²)	Fenestration U-Factor	Fenestration SHGC	Shading Devices	
					Exterior Shading Att.	Overhangs/ Fins
Front	S	9	.4	.35		
Front		12	.4	.35		
Left	W					
Left						
Rear	N	4	.4	.35		
Rear						
Right	E	24	.4	.35		
Right						
Skylight						
Skylight						

Project Title LARSEN ALUMINUM Date 10/1/11

HVAC SYSTEMS

Note: Input hydronic or combined hydronic data under Water Heating Systems, except Design Heating Load.

Heating Equipment Type (furnace, heat pump, etc.)	Minimum Efficiency (AFUE or HSPF)	Distribution Type and Location (ducts, attic, etc.)	Duct or Piping R-Value	Thermostat Type	Heat Pump Configuration (split or package)
<u>Furnace</u>	<u>93</u>	<u>Attic Duct</u>	<u>R-4.2</u>	<u>Self-Mod</u>	
Cooling Equipment Type (air conditioner, heat pump, evap. cooling)	Minimum Efficiency (SEER)	Duct Location (attic, etc.)	Duct R-Value	Thermostat Type	Heat Pump Configuration (split or package)

SEALED DUCTS and TXVs (or Alternative Measures)

Sealed Ducts (all climate zones)
(Installer testing and certification and HERS rater field verification required)

TXVs, readily accessible (climate zones 2 and 8-15 only)
(Installer testing and certification and HERS Rater or field verification required)

Refrigerant Charge/Air Flow (climate zones 2 and 8-15 only)
(Installer testing and certification and HERS Rater or field verification required)

OR

Alternative to Sealed Ducts and TXVs (see Package C or D Alternative Package Features for Project Climate Zone)

Climate Zone	Window SHGC	Window U-Factor	SEER	Heating
<u>7</u>	<u>.35</u>	<u>0.45</u>	<u>MIN</u>	<u>MIN</u>

WATER HEATING SYSTEMS

Water Heater Type	Distribution Type	Number in System	Rated ¹ Input (kW or Btu/hr)	Tank Capacity (gallons)	Energy ¹ Factor or Recovery Efficiency	Standby ¹ Loss (%)	External Tank Insulation R-Value
<u>Gas</u>	<u>Copper Tubing</u>	<u>1</u>	<u>42,000</u>	<u>50</u>	<u>.62</u>		<u>R-20</u>

1. For small gas storage water heaters (rated inputs of less than or equal to 75,000 Btu/hr), electric resistance, and heat pump water heaters, list Energy Factor. For large gas storage water heaters (rated input of greater than 75,000 Btu/hr), list Rated Input, Recovery Efficiency and Standby Loss. For instantaneous gas water heaters, list rated input and recovery efficiencies.

SPECIAL FEATURES (add extra sheets if necessary). **Package C and D: TXVs, Sealed Ducts, Radiant Barriers** (see installation requirements for radiant barriers in Section 8.13 of the 2001 Residential Manual). **Package C: thermal mass** (thermal mass type, covering, thickness, and description).

Project Title LAFFIN BLDG Date 1/10/01

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/Remarks section. The undersigned recognize that compliance using duct sealing and TXVs requires installer testing and certification and field verification by an approved HERS rater.

Designer or Owner (per Business and Professions Code)

Documentation Author

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Telephone: _____
Lic. #: _____

(signature) (date)

Name: _____
Title/Firm: _____
Address: _____
Telephone: _____

(signature) (date)

Enforcement Agency

Name: _____
Title: _____
Agency: _____
Telephone: _____

(signature/stamp) (date)