Certificate Of Col	mpliance Ke	sident	IBI	(Part 1 of 4)	<u>CF-</u>	11
GRIEINE FAMILY TRUS				1/29/2	008	
	WNEY					
roject Address			(818) 288-4361	Building Permit #		
& N Design Group			Telephone	Plan Check/Date		
ompliance Method			CA Climate Zone 08 Climate Zone	Fleid Check/Date		
.DA	Standard	Proposed	Compliance	***		
kBtu/sf-yr)	Design	<u>Design</u>	Margin			
pace Heating pace Cooling	19.73 29.02	19.36 28.42	0.37 0.59			
ans	4.95	4.85	0.03			
omestic Hot Water	0.00	0.00	0.00			
umps .	<u> 0.00 </u> 53,70	0.00	<u> 0.00 </u> 1.07			
Totals ercent better than Standar		92.03	2.0%			
والمتحد فالمتحد المتحد فالمتحاذ المتجارة المتعاملات المترك المتحد المتحد المحد المحد المحد المتحد المتحد المتح	COMPLIES -			TION REQU	IIPEN	
uliding Type: X Single		والبواعد ويتوجي والمرابع			,051 ft ²	
Multi F		a + Add/Alt	Total Conditioned FI Existing Floor Area:		,051 ft ²	
uilding Front Orientation:	(SE) 13	-	Raised Floor Area:	<u> </u>	0 ft ²	
uel Type:	Natura	-	Slab on Grade Area:	2	,051 ft ²	
enestration:			Average Ceiling Heig		8.0 ft	
Area: 180 ft ²	Avg. U:	0.86	Number of Dwelling	Units:	1.00	
Ratio: 8.8%	Avg. SHGC:	0.66	Number of Stories:		1	
UILDING ZONE INFORMAT	Floor Area	Volume	# of Units Zone Type	Thermostat Type	Vent Hgt. An	ea
	2.051	18,408	1.00 Conditioned	Setpack		nía
PAQUE SURFACES ype Frame Area U-Fa	Insulation Act. c. Cav. Cont. Azm.	Gaii Tilt Y/	ns Condition N Status JA IV Refer	ence Location /	Commer	İs
Vall200.102	2 R-13 R-0.0 45		New N9-A3	EXISTING		
/all Wood 48 0.102 /all Wood 458 0.356	2 <u>R-13 R-0.0 225</u>	90 90 90 90 80 90 90 80	New 09-A3 Existing 09-A1	EXISTING EXISTING		
/all	None R-0.0 315		Existing 09-A1	EXISTING		
oor None 24 1.450 oof Wood 2.051 0.075) <u>R-11 R-0.0 0</u>		Existing 28-A1 Existing 01-A2	EXISTING EXISTING		
lallWood571_0.356		18 X 90 X	Existing 09-A1 Existing 09-A1			
/allWood4580356						, ,
	()er årsammer og forstan at begrunningen at en som etter at					,
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EnergyPro 4.4 by EnergySoft	Run Initiation Time: User Number: 7241		Job Number: 08-111		Page:3 of 8	
Certificate Of Co	User Number: 7241		Job Number: 08-111	(Part 4 of 4)	CF	
Certificate Of Co	User Number: 7241		Job Number: 08-111	(Part 4 of 4)		
Certificate Of Co SRIFINE FAMILY TRUS Project Title Special Features and Mode	User Number: 7241 mpliance Ro ST ling Assumptions	esiden	Job Number: 08-111	(Part 4 of 4) <u>1/2</u> 	CF • 9/2008	
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Certificate Of Co GRIFINE FAMILY TRUS Project Title Special Features and Mode The local enforcement agency sh written justification and document forcement agency determines	User Number: 7241	esiden	Job Number: 08-111 tial	(Part 4 of 4) 	CF. 9/2008 special mplies	<u>-1F</u>
Certificate Of Co GRIFINE FAMILY TRUS Project Title Special Features and Mode The local enforcement agency sh written justification and document inforcement agency determines in pased on the adequacy of the special	User Number: 7241 mpliance R ST ling Assumptions ould pay special attentit tation, and special veri- the adequacy of the jus- secial justification and de-	esiden on to the Iter fication to be uffication, and ocumentation	Job Number: 08-111 tial ms specified in this checkils used with the performance d may reject a building or de submitted.	(Part 4 of 4) Date dapproach. Thé local esign that otherwise co	CF. 9/2008 special mplies	
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GRIFINE FAMILY TRUST FENESTRATION SURFACES # Type Area U-Factor¹ SHGC² 1. Window Left (SW) 6.0 0.390 NERC 0.36 NERC 2 2. Window Left (SW) 16.5 0.990 NFRC 0.74 NFRC 2 3. Window Left (SW) 48.0 0.990 NFRC 0.74 NFRC 2 4. Window Rear (NW) 32.0 0.380 NFRC 0.36 NFRC 3 5. Window Rear (NW) 32.0 0.380 NFRC 0.74 NFRC 3 6. Window Rear (NW) 58.8 0.990 NFRC 0.74 NFRC 3 6. Window Front (SE) 44.2 0.990 NFRC 0.74 NFRC 1 7. Window Right (NE) 20.0 0.990 NFRC 0.74 NFRC 8 Window< ----------------------1. Indicate source either from NFRC or Table 116A, 2. Indicate source eith -----------and and a second and a second s THERMAL MASS FOR HIGH MASS DESIGN Area Thick,Heat Inside Type (sf) (in.) Cap. Cond.R-Val. PERIMETER LOSSES Insulation Type Length R-Val. Location Slab Perimeter 46 None No Insulation 26 Run Initiation Time: 01/29/ EnergyPro 4.4 by EnergySoft User Number: 7241 Mandatory Measures Summar

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Building Envelope Measures	the N/A	DESIGNER	ENFOR MEN
*****		<u></u>	:
150(a): Minimum R-19 in wood ceiling insulation or equivalent U-factor in metal frame ceiling.			
150(b): Loose fill Insulation manufacturer's labeled R-Value;,		\boxtimes	
150(c): Minimum R-13 wail insulation in wood framed walls or equivalent U-factor in metal frame walls (does not apply to exterior mass walls).		\mathbf{X}	
, 150(d): Minimum R-13 raised floor insulation in framed floors or equivalent U-factor.		\boxtimes	
150(e): Installation of Fireplaces, Decorative Gas Appliances and Gas Logs,			
1. Masonry and factory-built fireplaces have:			
a. closable metal or glass door covering the entire opening of the firebox	\boxtimes		
b. outside air inteke with damper and control, flue damper and control	X	D D	
2. No continuous burning gas pilot lights allowed.			termen.ted
150(f): Air retarding wrap installed to comply with 151 meets requirements specified in the ACM Residential Manual.	\boxtimes		
150(g): Vapor barriers mandatory in Climate Zones 14 and 18 only.	\boxtimes		
150(i): Slab edge insulation - water absorption rate for the insulation alone without facings no greater than 0.3%, water vapor permeance rate no greater than 2.0 perminch.			
118: Insulation specified or installed meets insulation installation quality standards. Indicate type and include CF-6R Form:		\boxtimes	
116-17: Fenestration Products, Exterior Doors, and Infiltration/Extiltration Controls.			
1. Doors and windows between conditioned and unconditioned spaces designed to limit air leakage,		\square	
Fenestration products (except field fabricated) have label with certified U-Factor, certified Solar Heat Gain Coefficient (SHGC), and infiltration certification.		\boxtimes	
3. Exterior doors and windows weatherstripped; all joints and penetrations caulked and sealed.	\boxtimes		
Space Conditioning, Water Heating and Plumbing System Measures			
110-13: HVAC equipment, water heaters, showerheads and faucets certified by the Energy Commission.		\boxtimes	
150(h): Heating and/or cooling loads calculated in accordance with ASHRAE, SMACNA or ACCA.		\mathbf{X}	
150(i): Setback thermostat on all applicable heating and/or cooling systems,		\square	
150(j); Water system pipe and tank insulation and cooling systems line insulation.			
 Storage gas water heaters 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. 		X	
 Back-up tanks for solar systems, unfired storage tanks, or other indirect hot water tanks have R-12 external insulation or R-16 internal insulation and indicated on the exterior of the tank showing the R-value. 		\square	
3. The following piping is insulated according to Table 150-A/B or Equation 150-A Insulation Thickness:			
 First 6 feet of hot and cold water pipes closest to water heater tank, non-recirculating systems, and entire length of recirculating sections of hot water pipes shall be insulated to Table 1508. Cooling system piping (suction, chilled water, or brine lines), piping insulated between heating source and Indirect hot water tank shall be insulated to Table 150-B and Equation 150-A. 			
 Steam hydronic heating systems or hot water systems > 15 pai, meet requirements of Table 123-A, 	\boxtimes		
Insulation must be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind.		X	
6. Insulation for chilled water piping and refrigerant suction piping includes a vapor retardant or is enclosed entirely in conditioned space.	X		

7. Solar water-heating systems/collectors are certified by the Solar Rating and Certification Corporation. EnergyPro 4.4 by EnergySoft User Number: 7241

idential	(F	Part 2	of 4)	CF-	<u>1R</u>
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45 90 Existing Single No	onMtl Uncted D)efault	EXISTING		
either from NFRC or Table 116B.					
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ain these measures regardless of the items marked with an asterisk (*) belo s as minimum component performance only.	w. When this ch	ecklist is line	prooreled into	the permit	29
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EnergyPro 4.4 by EnergySoft User Number: 7241

Job Number: 08-111

		e : Resid			rt 3 of 4)	
GRIFINE FAMILY	IRUSI			Date	1/29/2	2008
IVAC SYSTEMS	Heating	Minimum		Minimum	Condition	Thermos
Location	Type <u>Central Furnace</u>	Eff 80% AFUE	Type Split Air Conditioner	Eff 10.0 SEER	Status Existing	Type Setback
					-	
IVAC DISTRIBUTION	l Heating	Coolina	Duct Location	Duct Co R-Value St	ondition	Ducts Tested?
\H-1	Ducted	Ducted		<u>4.2</u> Exi	sting	<u>No</u>
Hydronic Piping						· · · · · · · · · · · · · · · · · · ·
	Pipe Pipe Length Diameter	Insul. Thick.				
NATER HEATING SY	STEMS					
System Name	Water Heater	Distribution	Rated Tan # in Input Cap Syst. (Btu/hr) (gal	. Condition		Tank In: ndby R-Valu is (%) Ext.
		2100 100 100				
Aulti-Family Central W	ater Heating Details					
Ho Control	t Water Pump # HP		Hot Water Piping Le In Plenum Outside		d 1/2" Julation	
REMARKS	nce)					
				·		
COMPLIANCE STATE	EMENT					
This certificate of compliance Regulations, and the adminis The undersigned recognizes	strative regulations to impl	lement theithis cert	ficate has been sloned by	the Individual wit	h overall destar	responsibility.
and building envelope sealing Designer or Owner (per Bus	g require installer testing a	and certification and	d field verification by an ap Documentation Autho	proved HERS rat	er.	elorosorori dorani
lame: Title/Firm: D. DESIGN			Name: Title/Firm: <u>A & N Des</u>			
Address: <u>19562 VENTUR/</u> TARZANA, CA 9	1356		Address: <u>19126 Hav</u> Reseda, C	/nes St. #2		
elephone:(818)344-4449	A Lic.#		Telephone:(818) 288-			01-29-0
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Mandatory N	leasures Su	ımmary:	Residential	(Page 2 d	of 2)	MF-1R
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Residential Kitchen Lighting Worksheet WS-5R Optimize FAMILY TRUST 4/20/2009	
GRIFINE FAMILY TRUST 1/30/2008 Project Title Date	
At least 50% of the total rated wattage of permanently installed luminalres in kitchens must be in luminaires that are high efficacy luminaires as defined in Table 150-C. Luminaires that are not high efficacy must be switched separately. Kitchen Lighting Schedule.Provide the following information for all luminaires to be installed in kitchens.	
Luminaire Type High Efficacy? Watts High Efficacy 50w Low Voltage Halogen Yes X No 50.0 x 5 250.0 or (1) 26w Compact Fluorescent 4 Pin Yes X No 26.0 x 3 = 78 or	9 min et 19 min et 1
(1) 26w Compact Fluorescent 4 Pin Yes X No 26.0 x 3 = 78 or Yes No x = or	
Yes No x = or	
Yes Nc x = Or Yes No x = or	
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Total A: 328 B: C COMPLIES IF A > B YES X NO I	2
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CITY OF DOWNEY DEPT. OF BUILDING & SAFETY AFP FROVED	EY EY
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FILE out of places and eperformed at 151° be itepli on the	GRII 7803 DOV
This set of plans and accellabilities full 5 T be itself on the job st of these and it is instantial to mate any changes or interations on same without bilities particised from the City of Downey, Light, Criticity & Calif. The stamping of this plan and searchicetions SHALF NOT be hald to permit or to be search meet of the violation of any provisions, of any Carp Ordinators or State Law	
any provisions of any Cap Guisnance or State Law	
EnergyPro 4.4 by EnergySoft User Number: 7241 Job Number: 08-111 Page\$ of 9	DATE: 01/30/08
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	DRAWN: A.N. Job: 07-290
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