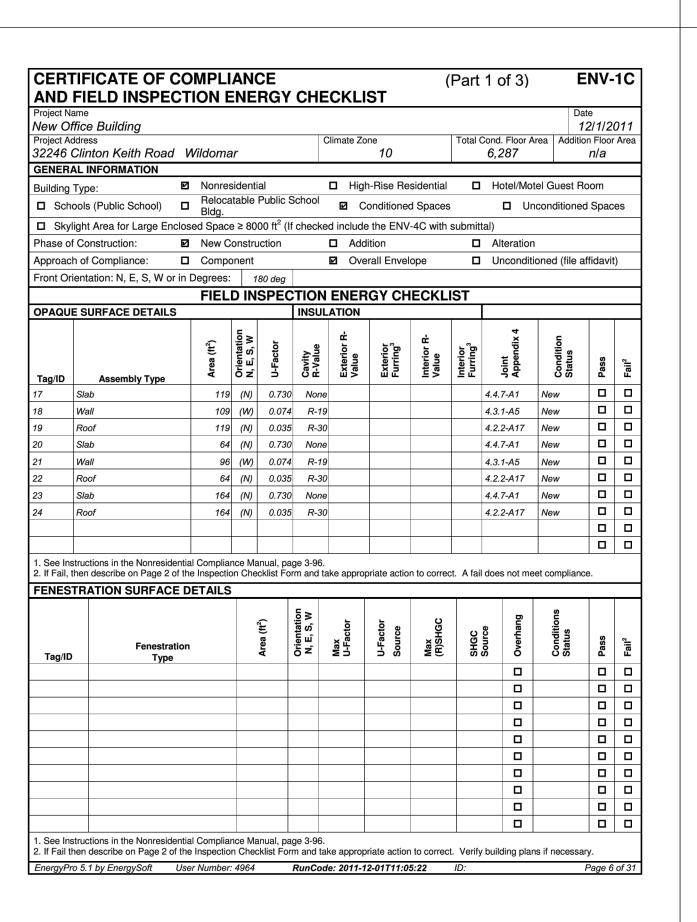
Sagh 108 (N) 0.730 None 4.4.7-A1 New	Project N												Da		Ω.4
GENERAL INFORMATION Building Type: Schools (Public School) Schools (Climate Zo	no		Total	Cond Floor			
Building Type: Norresidential High-Rise Residential Hotel/Motel Guest Room Relocatable Public School R			d V	Vildoma	r			Olimate 20			Total		Alea Additio		ı Ai
Schools (Public School)															
Skylight Area for Large Enclosed Space ≥ 8000 ft² (If checked include the ENV-4C with submittal) Phase of Construction:	Building	Type:	Ø	Nonres	sident	ial		☐ High	n-Rise Re	esidential		Hotel/Mo	tel Guest Ro	oom	
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Phase of Construction: New Construction	П Sk	vlight Area for Large F	nclos		> 80	00 ft ² (If	f check	ed include	the FN\	/-4C with	suhmit	tal)			
Approach of Compliance:							CHOOK			7 40 With		-	n		
Front Orientation: N, E, S, W or in Degrees: 180 deg FIELD INSPECTION ENERGY CHECKLIST						2011011				lone				ffidavi	t)
Tag/ID Assembly Type Ass		· · · · · · · · · · · · · · · · · · ·				180 dea						011001101	uorioa (iiio a		-,
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26									шш	=>	= "		+	-	+
27 Slab 69 (N) 0.730 None 4.4.7-A1 New 28 Roof 69 (N) 0.035 R-30 4.2.2-A17 New 29 Slab 121 (N) 0.730 None 4.4.7-A1 New 30 Roof 121 (N) 0.035 R-30 4.2.2-A17 New 30 Roof 121 (N) 0.035 R-30 4.2.2-A17 New 31 Slab 129 (N) 0.730 None 4.4.7-A1 New 32 Wall 145 (N) 0.074 R-19 4.3.1-A5 New 32 Wall 145 (N) 0.074 R-19 4.3.1-A5 New 32 R-30 4.3.1-A5 New 33 R-30 R														_	
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Project A						limate Zo	ne		Total (Cond. Floor A		ion Floo	
32246	Clinton Keith Road	Wildoma	r				10			6,287		n/a	
GENER.	AL INFORMATION												
Building	Type:	✓ Nonres				☐ High	n-Rise Re	sidential		Hotel/Mo	tel Guest	Room	
	(,	□ Bldg.		Public S			onditione	· ·			ncondition	ed Spac	es
□ Sky	light Area for Large Enc	osed Space	≥ 80	00 ft ² (If	checke	d include	the ENV	-4C with	submit	tal)			
Phase o	f Construction:	✓ New C	onstru	uction		☐ Add	ition			Alteration	า		
Approac	h of Compliance:	□ Compo	nent			✓ Ove	rall Envel	ope		Uncondit	ioned (file	affidavi	t)
ront Or	ientation: N, E, S, W or i			80 deg									
		FIEL	D IN	SPEC	TION	ENER	GY CH	IECKL	ST				
<u> DPAQU</u>	E SURFACE DETAILS				INSUL	ATION			I		1		_
Tag/ID	Assembly Type	Area (ft²)	Orientation N, E, S, W	U-Factor	Cavity R-Value	Exterior R- Value	Exterior Furring ³	Interior R- Value	Interior Furring ³	Joint Appendix 4	Condition Status	Pass	Enil ²
)	Wall	63	(W)	0.074	R-19					4.3.1-A5	New		[
10	Roof	115	(N)	0.035	R-30					4.2.2-A17	New		[
1	Slab	117	(N)	0.730	None					4.4.7-A1	New		[
2	Wall	110	(W)	0.074	R-19					4.3.1-A5	New		
3	Roof	117	(N)	0.035	R-30					4.2.2-A17	New		[
14	Slab	117	(N)	0.730	None					4.4.7-A1	New		[
15	Wall	68	(W)	0.074	R-19					4.3.1-A5	New		
16	Roof	117	(N)	0.035	R-30					4.2.2-A17	New		
2. If Fail,	structions in the Nonresider then describe on Page 2 of TRATION SURFACE	the Inspection				ike approp	oriate actio	n to correc	t. A fail	does not me	eet complia	nce.	
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Tag/ID	Fenestrati Type	on		Area (ft²)	Orientation N, E, S, W	Max U-Factor	U-Factor Source	Max (R)SHGC	SHGC	Source	Conditions Status	Pass	Foil ²
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	structions in the Nonresider hen describe on Page 2 of					ko annron	riato action	to correc	Vorify	huilding pla	ne if noone	on	

Project Name Vew <i>Office Buildir</i>	na						Date 12/1	1/2011
ZONE INFORMATI	•						121	172011
			Floor	Inst.	Ctrl.	Allow	ed LPD	Proc.
System Name	Zone Name	Occupancy Type	Area (sqft.)	LPD (W/sf) ¹	Credits (W/sf) ²	Area (W/sf) ³	Tailored (W/sf) ⁴	Loads (W/sf)
Suite A RTU-1	Recept	Waiting Area	242	*1.100				
	Office	Office <= 250 sqft	64	*1.100				
	Treatment Areas	Medical and Clinical Care	468	*1.200				
	Support	Corridor/Restroom/Support	64	*0.600				
Suite A RTU-2	Offices	Office <= 250 sqft	272	*1.100				
	Treatment Areas	Medical and Clinical Care	319	*1.200				
	Break Room	All Others	179	*0.600				
	Support Areas	Corridor/Restroom/Support	568	*0.600				
Suite B RTU-3	Waiting Area	Waiting Area	315	*1.100				
	Offices	Office <= 250 sqft	442	*1.100				
	Treatment Area	Medical and Clinical Care	103	*1.200				
	Support Areas	Corridor/Restroom/Support	60	*0.600				
Suite B RTU-4	Treatment Areas	Medical and Clinical Care	783	*1.200				
	Support Areas	Corridor/Restroom/Support	342	*0.600				
	Break Room	All Others	171	*0.600				
Suite C RTU-5 & 6	Office Suite C	Office <= 250 sqft	1,895	*1.100				
Notes: 1. See LTG-1C		2. See LTG-2C 3. See LTG-30	C 4 Sec	e LTG-4C				
	asterisk, see LTG-1-C by others) NDITIONS COMPLIAN((by others)			iterris at	ove require s	special docume	mailon
determines the adequa special justification an The HVAC System Carri The HVAC System Carri	mentation, and special verifications, and indications, and indications, and indications, and indications submitted. But the series of the ser	nay reject a building or design seconomizer. This system has a seconomizer. This system has a	n that other	utput < 75,0 utput < 75,0	00 Btuh or	d on the ac a supply cfi a supply cfi	m < 2500. m < 2500.	he
	es listed in this performance ir use have been provided by		pecifically	been revie	wed. Adeq	uate writte	n justificatio	on and
Authorized Signature	or Stamp							

Project Name									Date
New Office	Ruildina								12/1/2
Project Address				C	limate Zor	ne	Total Co	ond. Floor Area	
32246 Clinto	on Keith R	oad	Wildomar		CA Clim	nate Zone 10		6,287	nla
GENERAL I		ION							
Building Typ	e:	0	Nonresidential			Rise Residential			el Guest Room
Phase of Co	netruction:		Relocatable - inc New Constructio			ic climate zone		all climates Alteration	S
STATEMEN				<u>'' </u>	Additio)II		Alteration	
comply with certificate ap	Title 24, Pa oplies only t	arts 1 o a B	lists the building for and 6 of the Califo uilding using the pe	rnia Code of erformance	f Regulat compliar	tions. This nce approach.			BEC on of Building Energy Consultants ENERGY ANALYST lephen C. LIII 1-226 & NROB-98-522
The docume Document			ereby certifies that	the docume	ntation is	s accurate and c	omplete	Э.	
Name	Stephen C. L	illy CEA	4			Signature			
Company			onsultants/ F. V.			1	Date	9 12/1/2011	
Address	8592 La Casi						Pho		756
City/State/Zip	Fountain Vall	ey, CA	92708						
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Principal E Name Company Address City/State/Zip Principal N Name Company Address City/State/Zip Principal Li Name Company Address City/State/Zip INSTRUCTIO LTG-1C LTG-1C	Envelope I William Hand Handley Eng. 130 El Camin Tustin, CA 92 Mechanica Gary Daughe Southland En. 1491 Glenne Laguna Beac ghting Des Lighting Com NS TO APP Certificate Certificate Lighting Con Indoor Lig	sign the California of Califor	nis document as the mia as a civil engine in that I am eligible up 2 or 6737.3 to sign the actor performing this in that I am eligible up isse it pertains to a street in the sections 5537, 5538 giner #200 signer #200 in the sections 5537 in the sections 553	person respoer, mechanic nder the proving document work. Indee the Division ructure or type and 6737.1. WORKSHEE plans.	ensible for all engined isions of I as the person o	its preparation; arer, electrical engin Division 3 of the Berson responsible to Business and Profedescribed as exer Signature Signature Signature Signature Ck box if workshell C Certificate of 2C Air/Water Signature Neckshell C C C C C Air/Water Signature Neckshell C C C C C C C C C C C C C C C C C C	eer, or I usiness for its properties propert	am a licensed and Profession eparation; and Code to sign to the analysis of th	n the State of d architect. ons Code by seed that I am a lice this document ess and Profess 141 591 on plans.

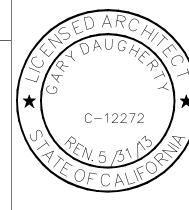
	TIFICATE OF CO FIELD INSPECT				СН	ECKLI	ST	(Part	1 of 3)		ENV-	-1
Project N	lame				<u> </u>	-0	<u>. </u>				-	ate	_
Project A	ffice Building					Climate Zo	ne		Total (Cond. Floor A		12/1/2 ion Floo	
	Clinton Keith Road	Wildoma	ır				10			6,287		n/a	
GENER	AL INFORMATION												
Building	Type:	Nonres		ial Public S	Cohool		h-Rise Re			Hotel/Mo	tel Guest l	Room	
	nools (Public School)	Bldg.					onditione				ncondition	ed Spac	ces
	rlight Area for Large Enclo	sed Space	e ≥ 80	00 ft ² (If	check	ed include	e the ENV	-4C with	submit	tal)			
	of Construction:			uction			lition						
	ch of Compliance:					☑ Ove	erall Envel	ope		Uncondit	ioned (file	affidavi	t)
Front O	rientation: N, E, S, W or in			80 deg	TION	LENE	201/ 01	IEO//	IOT.				
OBAOU	E SURFACE DETAILS	FIEL	או ט	SPEC		LATION	RGY CH	IECKL	151				
OFAGO	E SURFACE DETAILS		_		11430								Τ
		g_	Orientation N, E, S, W	ō	<u>o</u>	Exterior R- Value	פּיה	Interior R- Value	- °D	Joint Appendix 4	Condition Status		
		Area (ft²)	rient E, S	U-Factor	Cavity R-Value	cterio	Exterior Furring ³	terio	Interior Furring ³	Joint Appen	ondi	Pass	
Tag/ID	Assembly Type	₹	ΟŹ	⇒	ÖÉ	ű ×	0.4	= >	゠ェ	۶₹	0.20		
33	Wall	109	(W)	0.074	R-1					4.3.1-A5	New		-
34	Roof	129	(N)	0.035			-			4.2.2-A17	New		+
35 36	Slab Wall	179 112	(N)	0.730 0.074						4.4.7-A1 4.3.1-A5	New		
37	Door	21	(N) (N)	0.500						4.5.1-A3	New	+-	+
38	Roof	179	(N)	0.035						4.2.2-A17	New		t
39	Slab	45		0.730						4.4.7-A1	New		T
40	Roof	45	(N)	0.035	R-3	0				4.2.2-A17	New		
2. If Fail,	structions in the Nonresidenti then describe on Page 2 of the	ne Inspectio	on Che				priate actio	n to correc	ct. A fail	does not me	eet compliar	ice.	
FENES	STRATION SURFACE I	JE I AILS			_								Τ
Tag/II	Fenestration	1		Area (ft²)	Orientation N, E, S, W	Max U-Factor	U-Factor Source	Max (R)SHGC	SHGC	Source	Conditions Status	Pass	
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													-
												-	+
												+ -	
													t
					ge 3-96					1			_



	TIFICATE OF (FIELD INSPE				CHE	CKII	ST	(Part	1 o	f 3)		ENV-	1C
Project N	lame				Ų. IL								Date	044
New O Project A	ffice Building				C	limate Zo	ne		Total C	Cond. F	Floor A	Area Ac	12/1/2	
	Clinton Keith Road	Wildoma	ar			minato 20	10		Total	6,28			n/a	, , , oa
GENER	AL INFORMATION													
Building	Type:	☑ Nonres		ial Public S		☐ High	n-Rise Res	sidential		Hot	el/Mo	tel Gue	st Room	
	nools (Public School)	□ Bldg.					onditioned				1 Ur	ncondition	oned Spac	ces
	rlight Area for Large End	closed Space	e ≥ 80	000 ft ² (I	f checke	d include	the ENV-	-4C with s	submitt	al)				
	of Construction:	✓ New C		uction		□ Add					ration			
•••	ch of Compliance:	□ Compo				✓ Ove	rall Envel	ope		Und	ondit	ioned (f	ile affidavi	t)
Front O	rientation: N, E, S, W or			180 deg	TION	ENIED	OV OU	FOKLI						
OBAOU	E SURFACE DETAILS		או ט	SPEC		ENER ATION	GY CH	ECKLI	<u>51</u>					
OFAGU	L GUNFACE DETAILS		_		INSUL						4			
Tag/ID	Assembly Type	Area (ft²)	Orientation N, E, S, W	U-Factor	Cavity R-Value	Exterior R- Value	Exterior Furring ³	Interior R- Value	Interior Furring ³	Joint	χįρ	Condition	Status	Fail ²
1	Slab	242	(N)	0.730	None					4.4.7-	A1	New		
2	Wall	105	(S)	0.074	R-19					4.3.1-	A5	New		
3	Wall	119	(W)	0.074	R-19					4.3.1-	A5	New		
4	Roof	242	(N)	0.035	R-30					4.2.2-	A17	New		
5	Slab	64	(N)	0.730	None					4.4.7-	A1	New		
3	Wall	72	(S)	0.074	<u> </u>					4.3.1-		New		
7	Roof	64	(N)	0.035						4.2.2-		New		
8	Slab	115	(N)	0.730	None					4.4.7-	A1	New		
														-
2. If Fail,	structions in the Nonreside then describe on Page 2 of TRATION SURFACE	f the Inspection	on Che		rm and ta	ke approp	oriate action	n to correct	t. A fail	does	not me		liance.	
Tag/II	Fenestrat) Type	ion		Area (ft²)	Orientation N, E, S, W	Max U-Factor	U-Factor Source	Max (R)SHGC	SHGC	Source	Overhang	Conditions	Pass	Fail ²
1	Window			540	(S)	0.290	cog	0.380		COG	Ø	New		
?	Window			216	(W)	0.290	cog	0.380		OG		New		
!	Window			216	(E)	0.290	cog	0.380		COG	_	New		
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											<u>-</u>			
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	l .								1					1
	structions in the Nonreside then describe on Page 2 of													

New Office Building									12/1/201
ANNUAL TDV ENERG		SUMMARY (k Standard	(Btu/sqft-yr) Proposed	Comp	llamaa				
Energy Component		Design	Design	Mar					
Space Heating		0.31	0.57		-0.26		Heating		
Space Cooling		110.15	84.35		25.80		Cooling		
Indoor Fans		69.78	76.04		-6.26		Fans =		
Heat Rejection		0.00	0.00		0.00		Heat Rej		
Pumps & Misc.		0.00	0.00		0.00		Pumps		
Domestic Hot Water		0.00	0.00		0.00		DHW		
Lighting		71.28	71.28		0.00		Lighting		
Receptacle		78.08	78.08		0.00	Re	ceptacle		
Process		0.00	0.00		0.00		Process		
Process Lighting		0.00	0.00		0.00	Pro	cess Ltg		
TOTALS		329.60	310.32		19.28		L		
Percent better than Star	ndard		5.8 %	(5.8	% exclud	ding pr	ocess)		
			UILDING	COI	MDI IE	.			
Number of Stories Number of Systems Number of Zones		1 6 16	Conditio	ned Foo	oor Area tprint Are lable On	а		6,284 Yes	- 4
		Orientation	n Gross	Δroa		Gla	zing Area		Glazing Ratio
Front Elevation		(S)	1 0000	1,065	sqft.	Gia	540	sqft.	50.7 %
Left Elevation		(W)		978	sqft.		216	sqft.	22.1 %
Rear Elevation		(N)		987	sqft.		0	sqft.	0.0 %
Right Elevation		(E)		976	sqft.		216	sqft.	22.1 %
	Total			4,006			972	sqft.	24.3 %
Roof				6,287	sqft.		0	sqft.	0.0 %
		S	Standard		Prop	osed		Duogoviu	stiva Valvaa far
Prescriptive Lighting Po	wer De	ensity	1.017	N/sqft.		1.0	W/sqft.		otive Values for rison only. See
Prescriptive Envelope T	DV En	ergy	239,020			243,	194	LTG-10	for allowed LPD
Remarks:									

ENGINEERING HANDLE



SOUTHL

energy consutitle 24 calcul
hvac, plumbing and elect
1491 Glenneyre St., Laguna Bez
PH: 949/497-3591 FAX:
F-mail Address:

NEW PROFESSIONAL OFFICE FOR:

JAMES HOCH, D.D.

32246 CLINTON KEITH ROAD, WILDOMAR, C.

DATE: 11.28.11 JOB NO: TM/SL/JH DRAWN: PK CHECKED: GD/PK SCALE: AS NOTED

OF SHEETS