	IFICATE OF CO	71011" L.J.M.	NCE	(Part 1 of 3)	PERF-10
Project Name		التبوغ مد محمد بسيم معمد	r remember		Date
BCSD School Building L Admini	stration				1/5/2012
Project Address		Climate Zor		Total Cond Floor Area	
Bakersfield		CA Clin	ate Zone 13	4,700	n/a
GENERAL INFORMATION					
	residential		lise Residential	☐ Hotel/Mote	el Guest Room
	ocatable - indicate	☐ specifi	c climate zone	☐ Alteration	5
STATEMENT OF COMPLIANCE	7 001138 008011	Ed / Holdrice		12 7 ((0) (2) (0)	
This certificate of compliance lists to comply with Title 24, Parts 1 and 6 certificate applies only to a Building	of the California Cod gusing the performan	e of Regulatice compliar	ions. This ce approach.		
The documentation author hereby	certifies that the docu	mentation is	accurate and c	omplete.	
Documentation Author	and a series of		Signature (1 magain	.
	PK BASKU	<u>Ni</u>	210uarnie 🗸	<u> </u>	,
Company Mechanical Design Concep	ots, Inc			Date 1/5/2012	
Address				Pinne	
City/Slate/Zip The Principal Designer hereby cert	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Sign this doc California as I affirm that I S537.2 or 67 contractor por I affirm that I	rm that I am eligible undoument as the person rest a civil engineer, mechal I am eligible under the program to sign this documerforming this work. If am eligible under Divis ertains to a structure or ins 5537, 5538 and 673	esponsible for anical engine provisions of I ent as the pe sion 3 of the E type of work	its preparation; ai ar, electrical englin division 3 of the B rson responsible usiness and Profi described as exer	nd that I am licensed in teer or I am a license usiness and Profession for its preparation, and essions Code to sign I	in the State of d architect. ons Code by section d that I am a license this document
Name Danny Ordiz			Signature	more	一・
Company Ordiz Melby Architects				Date 1.5	
	60				12
Address 5500 Ming Avenue, Suite 28	au			License # C-14	12
	d u	,		Phone (661) 832-8	
City/State/Zip Bakersheld, CA 93309 Principal Mechanical Designe	r		Signatura		
City/State/Zip Bakersheld, CA 93309 Principal Mechanical Designe Name Mark Baskln, P.E., LEED Al	r P		Signatur		
City/Slate/Zip Bakersheld, CA 93309 Principal Mechanical Designe Name Mark Baskin, P.E., LEED Al Company Mechanical Design Concept	r P		Signatur	Phone (661) 032-	5258
City/Slate/Zip Bakersheld, CA 93309 Principal Mechanical Designe Name Mark Baskin, P E , LEED Al Company Mechanical Design Concept Address 1060 W. Sierra Suite 101	r P		Signatur	Phone (661) 832-4 Date - 8 License #	5-12 (26578
Olty/Slate/Zip Bakersheld, CA 93309 Principal Mechanical Designe Name Mark Baskin, P E , LEED Al Company Mechanical Design Concept Address 1060 W. Sierra Suite 101 City/Slate/Zip Fresno, California 93711	r P		Signatur	Phone (661) 032-	5-12 (26-78
City/Slate/Zip Bakersheld, CA 93309 Principal Mechanical Designe Name Mark Baskin, P E , LEED Al Company Mechanical Design Concept Address 1060 W. Sierra Suite 101 City/Slate/Zip Fresno, California 93711	r P		Signature Signature	Phone (661) 832-4 Date - 8 License #	5-12 (26-78
Olty/Slate/Zip Bakersheld, CA 93309 Principal Mechanical Designe Name Mark Baskin, P E , LEED Al Company Mechanical Design Concept Address 1060 W. Sierra Suite 101 City/Slate/Zip Fresno, California 93711 Principal Lighting Designer Name	r P			Phone (661) 832-4 Date - 8 License #	5-12 (26-78
Olty/Slate/Zip Bakersheld, CA 93309 Principal Mechanical Designe Name Mark Baskin, P.E., LEED Al Company Mechanical Design Concept Address 1060 W. Sierra Suite 101 City/State/Zip Fresno, California 93711 Principal Lighting Designer Name Company	r P			Phone (661) 932-4 Date - 8 License # Phone (559) 437-6	5-12 (26578
Olty/State/Zip Bakersheld, CA 93309 Principal Mechanical Designe Name Mark Basklin, P.E., LEED Al Company Mechanical Design Concept Address 1060 W. Sierra Suite 101 City/State/Zip Fresno, California 93711 Principal Lighting Designer Name Company Address	r P			Phone (661) 832-4 Date License # Phone (559) 437-0	5-12 (26578
Olty/State/Zip Bakersfield, CA 93309 Principal Mechanical Designe Name Mark Basklin, P.E., LEED Al Company Address 1060 W. Sierra Suite 101 City/State/Zip Principal Lighting Designer Name Company Address City/State/Zip ,	er P Is, Inc	JEETS /-L-	Signature	Phone (661) 832-4 Date License # Phone (559) 437-6 Date License # Phone	5-12 (26578
Story/State/Zip Principal Mechanical Designe Name Mark Baskin, P E , LEED Al Company Mechanical Design Concept Address 1060 W. Sierra Suite 101 City/State/Zip Principal Lighting Designer Name Company Address City/State/Zip INSTRUCTIONS TO APPLICANT COM	or P ts, inc MPLIANCE & WORKSI		Signature	Phone (661) 832-4 Date License # Phone (559) 437-6 License # Phone ests are included)	5-12- 1245-78 0376, ext 3
City/State/Zip Bakersheld, CA 93309 Principal Mechanical Designe Name Mark Baskin, P.E., LEED Al Company Mechanical Design Concept Address 1060 W. Sierra Suite 101 City/State/Zip Fresno, California 93711 Principal Lighting Designer Name Company Address City/State/Zip ,	MPLIANCE & WORKSI	HEETS (chec	Signature k box if workshe C Certificate of	Phone (661) 832-4 Date License # Phone (559) 437-6 Date License # Phone	5-12- 12-5-18- 0376, ext 3
City/State/Zip Bakersheld, CA 93309 Principal Mechanical Designe Name Mark Baskin, P.E., LEED Al Company Mechanical Design Concept Address 1060 W. Sierra Suite 101 City/State/Zip Fresno, California 93711 Principal Lighting Designer Name Company Address City/State/Zip INSTRUCTIONS TO APPLICANT COM INSTRUCTION COM INSTRUC	MPLIANCE & WORKSI e. Required on plans e Required on plans Worksheet	MECH-1 MECH-2 MECH-3	Signature K box if workshe C Certificate of C Air/Water Sic C Mechanical \(\)	Phone (661) 832-4 Date License # Phone (559) 437-0 Date License # Phone Lice	5-12- 12-5-18- 0376, ext 3
City/State/Zip Bakersheld, CA 93309 Principal Mechanical Designe Name Mark Baskin, P.E., LEED Al Company Mechanical Design Concept Address 1060 W. Sierra Suite 101 City/State/Zip Fresno, California 93711 Principal Lighting Designer Name Company Address City/State/Zip INSTRUCTIONS TO APPLICANT COM I ENV-1C Certificate of Compliance I LTG-1C Certificate of Compliance LTG-2C Lighting Controls Credit Indoor Lighting Power Al	MPLIANCE & WORKSI e. Required on plans Worksheet Illowance	☑ MECH-1 ☑ MECH-2	Signature k box if workshe C Certificate of C Air/Water Sic C Mechanical \(\) C Mechanical \(\)	Phone (661) 832-4 Date License # Phone (559) 437-6 Date License # Phone ets are included) Comphance Required of de/Service Hot Water & F	5-12- 12-5-18- 0376, ext 3

PERFORMANÇE	CERTIFICATI	OF COMP	LIANCE	(Part 2 of 3)	PERF-1
Project Name		<u></u>			Date
BCSD School Building	L Administration	P			1/5/201
ANNUAL TOV ENERGY			ompliance		
Energy Component	Design	Design	Margin	Pur s und s s s	
Space Heating	24 25	4.23	20.03	Heating !	uuniumssan
Space Cooling	105 47	75.77	29 70	Cooling	
Indoor Fans	47 17	43 69	3 48	Fans	· `
Heat Rejection	0 00	0 00	0 00	Heat Rej	
Pumps & Misc.	0 00	0.00	0 00	Pumps	,
Domestic Hot Water	1071	10.71	0 00	DHW 📓	
Lighting	66 31	47.51	18.80	Lighting	
Receptacle	69.12	69.12	0.00	Receptacle	
Process	0.00	0 00	0 00	Process	
Process Lighting	0 00	0.00	0 00	Process Ltg	
TOTALS	323 03	251.03	72 00	t.	3 AND AND AND 111 1
Percent better than Star		22.3 % (22.3 % excludi	ng process)	
		N 182 PLEASON #	*******		
		UILDING C	- UNITE	<i>3</i>	
GENERAL INFORMATI	ON				
Building Orientation	(N) 0 deg	Conditioned	l Floor Area	4,76	oo sqft.
Number of Stories	1170 009		ed Floor Area		0 sqft.
Number of Systems	3		l Footprint Area	4,58	- 1 '
Number of Systems Number of Zones	9		: Available On S		
HOMOS OF AUROS	<u> </u>				
				Olambar Aus -	Clasing Datie
- (F). \	Orientation			Glazing Area 52 sqft.	Glazing Ratio
Front Elevation	(N)		1,080 sqft	52 sqft. 176 sqft.	112%
Left Elevation	(E)		1,575 sqft 1,143 sqft	60 sqft.	52%
Rear Elevation	(\$)				145%
Right Elevation	(W)		 } · ⊢	180 sqft 468 sqft	93%
	Total		5,043 sqft.		
e	1		4,584 sqft.	12 sqft.	0.3 %
Roof	<u> </u>				
Roof Prescriptive Lighting Pot Prescriptive Envelope Ti	wer Density	tandard 1 073 W/sc 184,538	Propo	0 769 W/sqft. Comp	riptive Values for arison only. See IC for allowed LP
Prescriptive Lighting Pov	wer Density	1 073 W/sc	ļ	0 769 W/sqft. Comp	arison only. See

PERFORMAN	CE CERTIFICA	TE OF COMPLIAN	CE.	{ }-	art 3 o)! (J)	rcn	F-1C
Project Name						****	Date 1/5	/2012
	ding L Administration				· · · · · · · · · · · · · · · · · · ·		1/0	72012
ZONE INFORMATION	<u> </u>		Floor	lost.	Ctrl.	Allowe	d LPD	Proc
			Area	LPD	Credits	Area	Tailored	Load
System Name	Zone Name	Occupancy Type	(sqft)	(W/sf) ¹	(W/sf) ²	(W/sf) ³	(W/sf) ⁴	(W/s
P L-1	Zone L-1	Office <= 250 sqft	368	*0 769	-			ļ
	Zone L-2	Office > 250 sqft	572	*0 769				-
	Zone L-3	Civic Meeting Place	325	*0 769				-
	Zone L 4	Office <= 250 sqft	1,392	*0 769				<u></u>
	Zone L-5	Office > 250 sqft	622	*0 769				-
	Zone L-6	Convention/Conference/Med	324	10.769		4 400		-
	Zone L-7	Lobby, Main Entry	927	*0 769		1.120		
<u>U-L1</u>	Data Room	Flectrical, Mechanical Room	160	*0.769				
OAS	DOAS Zone	Comp Bidg Office	10	*0 850				
		2 See LTG-2C 3, See LTG 3C		LTG-4C				İ
otes: 1 Sep LTO-1C (items marked with as	stensk, see LTG-1-C by others)	2 See LTG-2C 3. See LTG 3C (by others)	, 4366	9 [1 G-40	items at	s primper evo	pecial docum	entauon
ustification and docum letermines the adequac pecial justification and he HVAC System HP L-	entation, and special verifi- by of the justifications, and I documentation submitted I includes Demand Control V	attention to the items specified cation to be used with the performay reject a building or design fentilation per Standards Section ce = 0.72, Emitlance = 0.90 shall	ormance and that other	opproach. erwise com	ine local e iplies base	d on the ad	equacy of t	he
o Modi Neso Mosi Calif	our ar will deal report to resident	77 2, 127						
								
ne exceptional feature ocumentation for their uthorized Signature or	use have been provided b	e approach application have sp y the applicant.	ecifically	been revla	wed. Adeq	uate writter) justificatio	on and
Carriera Dianala & Ul								
nergyPro 5 1 by Energy	Soft User Number, 52	32 RunCode: 2012-01	-05T14:34	:22 ID: 0	9091		Pad	ge 4 of 2

Project N												ate	040
BCSD Project A	School Building L Adr	nınistra	tion			Climate 2d			Total Co	nd Floor		1/5/20 on Floo	
•	aaress Ersfield					Cumate Zo	13			4,700	Alea Additi	n/a	1 11100
	AL INFORMATION												
Building		Nonres	sidenti	al		□ Hig	h-Rise Re	sidential		Hotel/M	otel Guest F	loom	
	iools (Public School)		table	Public	School	178 C	Conditioned	d Snaces		пι	Inconditione	d Spac	es
	light Area for Large Enclos	Bidg.	. > 00	00 112 //	f aboals				whenttol				
					CHECK		dition	-40 WIBI S		/ Alteratio	\n		
·····	of Construction:						erali Envel	ana			itioned (file a	offidayı	<i>t</i> \
``		Compo			T	Ove	Han Enven	оре	LJ.	Officorio	stioned (me a	ingavi	'/
Front Of	rientation. N, E, S, W or m			0 deg	TION	1 F-Alfre	RGY CH	COVI	CT CT				
00400	TOUGEAGE SETAN O	FIEL	D IN	SPE		LATION	ig i un	EUNLI	31				
OPAGO	E SURFACE DETAILS				MSO	``[1	r1				T	Т
		Area (ft²)	Orlentation 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	s	2
		Area	9 Z	ų.	P-V	Valt	Fun	Inte	Fun	를 찾	Start	Pass	Fail
Tag/ID	Assembly Type Roof	368		0 03		+	-			2.1-A20	New		6
2	Wall	90	 `' 	0 069		+	-			3 1-A6	New		
"	Wall	273	}	0 069	,					3 1-A6	New		
4	Wall	45			1					3.1-A6	New		
<u>.</u> 5	Slab	368	(N)	0 730					4	47-A1	New		
6	Roof	380	ļ i ļ	0 03	 	<u> </u>			4	2.1-A20	New		
7	Wali	117	(S)	0 069					4	3 1-A6	New		
 8	Wall	234	(E)	0.069	····				4	3 1-A6	New		
9	Wall	45	(N)	0 069	R-2	1			4	3 1-A6	New	0	
10	Slab	380	(N)	0 730	Non	e			4	4 7-A1	New		
	then describe on Page 2 of the TRATION SURFACE D			cklist Fo			priate action		. A fail do	T		ce	
Tag/ID	Fenestration			Area (ft°)	Orientation N, E, S, W	Max U-Factor	U-Factor Source	Max (R)SHGC	SHGC	Overhang	Conditions Status	Pass	Fail
l	Window			156	(E)	0 290	cog	0 240	 		New		0
2	Window		<u> </u>	18	(S)	0.290	cog	0.240	 		New	<u> </u>	
3	Window		1	24	(SW)	0 290	cog	0.240			New		
1	Window		<u> </u>	24	(W)	0 290	COG	0.240	····	- 1	New	<u> </u>	0
<u> </u>	Window		1	108	(W)	0 290	COG	0 240			New	<u> </u>	
,	Skylight		-	12	(N)	0.550	NFRC	0 200	}		New		
,	Window			18	(S)	1 100	cog	0 570			New	 -	
3	Window		-	24	(W)	0 290	cog	0 240	 		New		
)	Window		-	24	(NW)	0.290	COG	0.240	1		New		0
	Window		1	32	(N)	0 290	cog	0 240	co	G 🗆	New		
0 1 See Ins	structions in the Nonresidentia				" "								

Project I BCSD	_{lame} School Building L Ad	lmınistra	tion				,						Date 1/8
Project A Bake	\ddress ersfield					Climate Zo	ne 13		Total C	ond 1 4,70		Arga Ac	dition //
GENEF	AL INFORMATION			<u> </u>							10.4	4.10	
Building	<u>Туре.</u> <u>Е</u>	Zi Nonre			Pohool	-	h-Rise Re			***********		otel Gue	
		⊒ 8ldg.					onditioned				1 U	nconditio	ned S
 	ylight Area for Large Enclo				f check		**********	4C with s					
		ZI New C		etion			lition				ratio		
] Compo		·····	·r	IZI Ove	rall Envel	ope		Unc	conai	tioned (f	ie anic
Front O	rientation: N, E, S, W or in			0 deg	1.00		10 V 011	FORL	~~				
		FIEL	D IN	SPEC			GY CH	ECKLI	51				
OPAQL	JE SURFACE DETAILS	1			INSU	LATION	1				**********	1	Т
Tag/ID	Assembly Type	Area (ft²)	Orfentation 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	snino
11	Roof	192	(N)	0.03	R-3	o				4.2 1-	A20	New	
12	Wall	90	(N)	0.069	R-2	1				4.3.1-	A6	New	
13	Wall	129	(E)	0 069	} .					431-		New	
14	Wall	240		0.068	R-2	<u> </u>	ļ.——-I			431-		New	
15	Slab	192		0,730	 	·				4 4.7-		New	
16	Roof	235	(N)	0 031	-					4 2.1-		New	
17	Wall	150	(S)	0.069	 					4 3.1-		New	
18	Wall	66	· · · · · · · · · · · · · · · · · · ·	0 069	}		 			4 3.1- 4 3.1-		New	-
19 20	Wall Slab	156 235	(W)	0.069						4 4 7-		New	-
2 If Fail	structions in the Nonresident then describe on Page 2 of the STRATION SURFACE	he Inspectio	n Che	nual, pa cklist Fo	ige 3-96 rm and t	ake approt	oriate action	to correct	. A fail	does r	not m	eet compl	iance
Tag/ii	Fenestratio		T	Area (It')	Ortentation N, E, S, W	Max U-Factor	U-Factor Source	Max (R)SHGC	SHGC	3	Overhang	Conditions	
11	Window			20	(N)	1 100	COG	0 570	C	OG		New	
12	Window		<u> </u>	20	(E)	1 100	cog	0 570	C	og	Ø	New	
14.						į			ļ		口	ļ	
14.				···· · · · · · · · · · · · · · · · · ·									
74.												ļ	-
14.											n		
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											<u> </u>		
											0 0		
	Structions in the Nonresident	al Comoliac	се Ма	nual na	ae 3-96						<u> </u>		
1 See in	structions in the Nonresident	al Compliar e Inspection	n Chec	nual, pa	ge 3-96 m and ta	ike approp	riate action		Verdy t		<u> </u>	ns if nece	

	TIFICATE OF C FIELD INSPEC				CHE	CKLI	ST	(Part	1 of	3)	ļ	ENV-	1C
Project N	THE RESERVE OF THE PERSON NAMED OF THE PERSON	·····											ate 1/5/20	
Project A					1	Climate Zo	ne 13		Total (ond F		ea Addit	on Floor n/a	Area
	rsfield AL INFORMATION					444	13		1	-7, F U			11/Cl	
Building		☑ Nonres	udent	ai		☐ Higi	n-Rise Re	sidential		Hote	!/Mot	el Guest f	Room	
	ools (Public School)			Public 8	chool	E3 C	onditioned	- Spaces		<u></u>	Uni	conditions	ed Soac	 :68
	light Area for Large End	Rigd		00 62 11										
					cnecke		ition	-46 With	Suomiti		ation			<u>-</u>
	Construction	☑ New C										oned (file	affidaví	
	h of Compliance	Compo		0.1		Z Ove	rall Envel	ope		ORG	313(2)(10	med (me	anuav	.,
Front Or	ientation N, E, S, W or	 	L	0 deg	TION	ENCE	GY CH	ECKLI	ICT					
OBAOH	E SURFACE DETAILS	····	7 114	SPEC		ATION	GI CII	LUILL	J,					
OFAGO	Soul MOL DETAILS				111001	1	1						T	
Tag/ID	Assembly Type	Area (H²)	Orientation N, E, S, W	U-Factor	Cavity R-Value	Exterior R- Value	Exterior Furring³	Interior R- Value	Interior Furring ³	Joint	Appendix	Condition Status	Pass	Fatt
21	Raof	1,188	(N)	0.031	R-30					4.2 1-1	20.	New		
22	Wall	170	(S)	0 069	R-21				<u> </u>	4.3 1-4	16	New		
23	Door	40	(S)	0.500	insu	/				451-	13	New		a
24	Wall	145	(E)	0 069	R-21		<u> </u>			4 3.1-4	16	New		
25	Door	20	(E)	0 500	Insu	/				451-4	13	New		0
26	Wall	240	(N)	0 102	R-13	3	ļ <u>.</u>			4.3 1-4	13	New		
27	Slab	1,188	(N)	0 730	None	·			ļ	4.4 7-4	11	New		
28	Roof	204	(N)	0 031	R-30	7	ļ		ļ	4.2 1-4		New		
29	Wall	180	<u>(E)</u>	0.069	R-21		<u> </u>		<u> </u>	4.3 1-4		New		
30	Slab	204	(N)	0 730	None	<u>'</u>		L	<u> </u>	4.4 7-4	11	New		
2. If Fail,	structions in the Nonreside then describe on Page 2 o	f the Inspection	n Che	cklist For	m and t	ake appro	priate action		A fair				ce	
Tag/ID	Fenestrat Type	ion		Area (fl²)	Orientation N, E, S, W	Max U-Factor	U-Factor Source	Max (R)SHGC	SHGC	Source	Overhang	Conditions Status	Pass	Fall
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			L.						<u> </u>					
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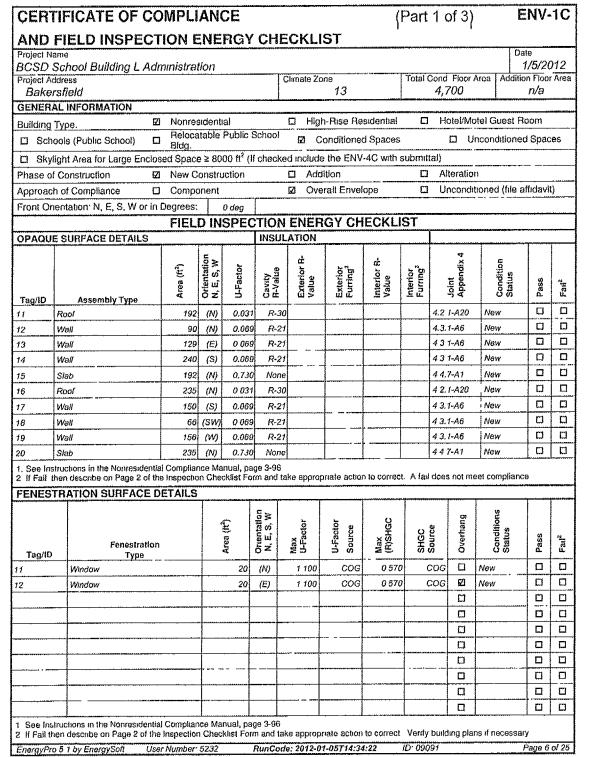
AND	FIELD INSPEC	CTION E	NE	RGY	CHE	CKL	ST			1 of 3)			
rojeci N												Date 1/5/20	242
SCSD Stolect A	School Building L.A	amınıstra	ION		10	Olmate Zo	orie		Total	Cond Floor	rea Add		
•	rsfield						13			4,700		n/a	
GENER.	AL INFORMATION								**********				
Building	Type:	☑ Nonre				☐ Higi	h-Rise Re	sidential		Hotel/Mo	tel Guest	Room	
	ools (Public School)	☐ Reloca Bldg.	table	Public 8	School	⊠ C	onditione	d Spaces		□ Ur	ondition	ned Spac	es
□ Skv	light Area for Large End		2 ≥ 80	00 ft² (II	checke	d include	the ENV	-4C with	submit	tal)			
	f Construction.	Ø New C			·	 	lition						
	h of Compliance:	☐ Compo				₽ Ove	rall Envel	ope	Д	Uncondit	oned (file	affidavi	t)
	ientation N, E, S, W or			0 deg				•					
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				TION	ENER	GY CH	ECKL	ST				
DPAQU	E SURFACE DETAILS					ATION	+1						
		Area (ft²)	Orlentation 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	Fall²
Tag/ID	Assembly Type				-	ļ							
31	Roof	384	(N)	0 031						4 2 1-A20	New		
32	Well	75		0.069		1	-			4.3.1-A6 4.3.1-A6	New		-
33	Wall	204	(W)	0.730			 			4.47-A1	New		
34	Sleb	384	(N)	0.730	R-30	 	-			4 2.1-A20	New	-+=-	-
35	Roof	238	(N) (W)			 	ļ			4 3 1-A6	New		0
36 37	Wall Slab	238		0.009		 	-			4 4 7-A1	New		
38	Roof	312	(N)	0 031	R-30	 	 			4 2.1-A20	New		
39	Wali	198		0 069		<u> </u>	 			4.3.1-A6	New	0	
10	Wall	90	···	0 069		<u> </u>				4 3.1-A6	New		
2 If Fail	structions in the Nonreside then describe on Page 2 o TRATION SURFACE	the inspection	nce Ma on Che	mual, pa cklist Fo	ge 3-96 rm and te	ake appro	onate actio	n to correc	t Afai	I does not me	et complia	ince	······································
Tag/ID	Fenestrat Type	an		Area (Iff)	Orientation N, E, S, W	Max U-Factor	U-Factor Source	Max (R)SHGC	SHGC	Source Overhang	Conditions Status	Pass	Fail²
			<u> </u>								,		
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		··	<u> </u>										
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chool Building L Adı						<u> </u>]	Date	·
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field INCORMATION						73			4,700		rir Gi	
	l Nonres	udenti	al		□ Hink	-Rise Re	sidential	п	Hotel/Mo	tel Gues	t Room	
/pe	Reloca			School		•						
,	Bldg.						<u>.</u>			nconario.	пео ъра	es
ht Area for Large Enclos	sed Space	≥ 80	00 ft ² (l	checke	d Include	the ENV	-4C with	submit	ial)			
Construction:	New C	onstru	ction		☐ Add	ition			Alteration	n		
of Compliance.	I Compo	nent			☑ Ove	rall Envel	оре		Uncondi	tioned (file	e affidav	rt)
ntation N, E, S, W or in	Degrees		0 deg									
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SURFACE DETAILS				INSUL	ATION.							محسرت
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Assembly Type	Ą	Öž	⇒	ΰ¢	چ ت	றும	u X	. S C	~ ૅ ₹	୍ ଓ ଓ	ă	ů.
lab	324	(N)	0.730	None					4 4.7-A1	Now		
Poof	627	(N)	0.031	R-30				Ĺ	4 2 1-A20	New		
Ponf	300	(N)	0 031	R-30)			l	4 2 1-A20	New		
Vell	235	(S)	0.069	R-21					4 3 1-A6	New		
Paor	20	(S)	0 500	insu					4,5 1-A3	New		
Vall	126	(W)	0 069	R-21					4 3 1-A6	New		
Vail	156	(NW)	0 069	R-21					431-A6	New		
Vall	398	(N)	0.069	R-21					4.3.1-A6	New		
Vall	418	(E)	0.102	R-13					4 3 1-A3	New		
Nab	927	(N)	0.730	None	,				4 4 7-A1	New		
uctions in the Nonresidentia	al Compliar	nce Ma	riual, pa	ge 3-96	.1							
n describe on Page 2 of th	e Inspectio	n Che	cklist Éo	rm and ta	ake approp	mate action	n to correc	t. A fai	daes not m	eet compli	auce	*******
RATION SURFACE D	ETAILS									,		
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uctions in the Nonresidentia	al Compliar	тсе Ма	nual. pa	ge 3-96								
n describe on Page 2 of the	a Inspection	n Chec	klist For	m and ta						ns if neces		
5.1 by EnergySoft Use	er Number	F000		n . a .	lo: 2012-0			ID. 090	201		D	9 of 2
	Assembly Type Assembly Type Idab Assembly Type	Assembly Type Assemb	## Assembly Type ## Assembly	Proper Image: Property P	Nonresidential Relocatable Public School Relocatable Relocatable Public School Relocatable Relocatable Public School Relocatable Relocatable Public School Relocatable Re	## Assembly Type ## Assembly	Reperior 2 Nonresidential High-Rise Report	The control of the c	Monresidential Monr	Monresidential Monr	Page D	

	TIFICATE OF CO FIELD INSPECT				CHE	CKL	ST	· · · · · · · · · · · · · · · · · · ·	i dit	1 of 3)	<u>.</u>	EÑV-	
Project N		minuetra	tían			······································						ate 1/5/20	712
Project A	School Building L Adi Address	musua	uon			Climato Zo	ne		Total	Cond Floor		on Floor	
	ersfield						13			4,700		n/a	
	RAL INFORMATION					P** 1 1 1	- Di D-		П	Lloto!/M	otel Guest F		
Building		Rologs		Public S	School		-Rise Re						_
	hools (Public School) C	' Bldg					onditione				Inconditione	d Spac	es
	ylight Area for Large Enclo				checke			-4C with					
	of Construction 🗵			uction		□ Add						FCL 1	
	ch of Compliance.					12 Ove	rall Envel	ope		Uncona	itioned (file a	moavi	()
Front O	rientation: N, E, S, W or in			0 deg	TION	ENER	CV CU	ECKL	CT				
0040	IE OUDEAGE BETAN O	FIEL	או ע	SPEC		ENER ATION	GYCH	ECKL	51	F			-
OPAGE	JE SURFACE DETAILS	1			INSOL	ATION	Γ	T			Т.	1	Τ
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 Furcing ³	Joint Appendix 4	Condition Status	Pass	51.03
51	Roof	144	(N)	0 031	R-30					4 2 1-A20	New	Ü	[
52	Slab	144	(N)	0.730	None					447-A1	New]
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1 See Ir	nstructions in the Nonresidenti	al Complia	псе Ма	inual, pa	qe 3-96	L	<u> </u>	!	L.,	·		-1	·
2 If Fail,	, then describe on Page 2 of It	ne Inspecti	on Che	cklist Fo	rm and ta	ike approp	riale actio	n to correc	t Afai	does not m	eet complian	e	
FENES	STRATION SURFACE D	DETAILS	·		· · · · · · · · · · · · · · · · · · ·			1					
Tag/II	Fenestration Type	า		Area (ff²)	Orientation N, E, S, W	Max U-Factor	U-Factor Source	Max (R)SHGC	SHGC	Source Overhang	Conditions Status	Pass	Enth
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See le	petrutions to the Neuron destr	al Comple	noa Mr	niel ee	00 3-0F					0			+
2. If Fail	nstructions in the Nonresidentin then describe on Page 2 of the Pro 5 1 by EnergySoft Usi	al Complia e Inspectio	nce Ma	inual, pa	ge 3-96 m and ta	ke appropr	riate action	to correct	t Verily		ans if necessa		1

(Part 1 of 3) ENV-1C

CERTIFICA						-	(P	art 2 of 3)		ENV	-1C
	INS	PEC	HON	ENEH	GY CHECKLIST						Date	
Project Name BCSD School E	Rvildin	a I Ad	ministra	tion							1/5/2	012
ROOFING PRO									********	<u>'</u>		
(Note if the roofing	produ	ct is not	CRRC ce	ertified, th	is compliance approach c	annot b	e used)	Go to Overall	Env	elope /	Approac	h or
Performance Appr		BELOW	IE EXEM	PT FROM	THE ROOFING PRODUCT "	COOL F	ROOF" RE	QUIREMENTS:	- 1	Pass	Fail ¹	N/A
			,		and16 with a Low-Sloped 2:							
☐ Roofing complia	ince <u>no</u>	i required	in Climate	Zone I w	ith a Steep-Sloped with less	than 5 lb	rtt ² Great	er than 2:12 pitcl	h			
Low-sloped Wo	od fram	ed roofs i	n Climate	Zones 3 a	nd 5 are exempted, solar refleue Surface Details roof asser	ectance	and them	al emittance or				
Low-sloped Me	al build	ing roofs	in Climate	Zone 3 ar	d 5 are exempted, solar relectoriace Details roof assembly	ctance a	nd therma	l emittance or SI	રા			
The roof area c	overed l	by buildin	g integrate	d photovo	Itaic panels and building integ or SRI, see spreadsheet calcu	grated so	olar therma	al panels are	,			
Roof construction	ons that	have the	rmal mass	over the	oof membrane with a weight	of at lea	st 25 lb/lt ²	are exempt from				
fue Cool Wool c	ntial bu	ildings an			with low sloped roofs in Clima	ale Zone	s 1 throug	h 9, 12 and 16 a	re			
					klist Form and take appropria	ate action	to correc	t Venty building	plar	ns if nec	essary.	1, , , ,
CRAC Product ID Number		Slope 2 > 2 12		tWeight ≥ 5lb/tt²	Product Type ²		l Solar ctance ¹	Thermal Emmitance	s	RI ^s	Pass	Fail
R-30 Roof Cathedral	Ø		図				0 72	0 90				
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						□4	~					
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						<u> </u>	-					
1 The CDDC Brodus	1 10 80	mpor can	he obtain	od from th	Cool Roof Rating Council's	D 4	roduct Dir	ectory at				
3 If the Aged Reflect same directory and it Roof Rating Council! 4 Check box if the A 5 The SRI value nee 6 If Fail then describ To apply Liquid Fiel	f productions is the second from the second fr	ot is being not availa equation Product flectance calculate s page of ed Coatin	Jused for able in the (0.2+0.7(p) Offectory is a calculed from a the Inspenge, the congs, Cool Root out - 0.2) ated value spreadshe ction Chec pating mus	o, i e single-ply roof, asphalt Rating Council's Rated Prod to obtain a calculated aged v using the equation above et calculator at http://www.en.klistForm.end.take.appropria t be applied across the entire imum performance requirem.	tuct Dire value W sergy ca. sergof sur	ctory then there p is to cov-bite?4 n to correct face and t	use the Initial Re the Initial Solar F	lelled plan	stance t is if nec ness or	cessary	Caol	
☐ Aluminum-Pigmer		·			rent-Based Roof Coating			Other	.,.,			
Discrepancies:												
Discrepancies.											-	
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M THE ROOFING PRODUCT "COOL ROOF" REQUIREMENTS: Pass Fail N/A 1 and 16 with a Low-Sloped 2:12 pitch or less with a Steep-Sloped with less than 5 lb/tl² Greater than 2:12 pitch and 5 are exempted, solar relectance and thermal emittance or ague Surface Details roof assembly, Column H of ENV-2C and 5 are exempted, solar relectance and thermal emittance or SRI ague Surface Details roof assembly below, Column H of ENV-2C and 5 are exempted, solar relectance and thermal emittance or SRI ague Surface Details roof assembly below, Column H of ENV-2C and 5 are exempted, solar relectance and thermal emittance or SRI ague Surface Details roof assembly below, Column H of ENV-2C and 5 are exempted, solar relectance and thermal panels are a or SRI, see spreadsheet calculator at www energy a constitues and building integrated solar thermal panels are a roof membrane with a weight of at least 25 lb/fl² are exempt from a exclusive form and take appropriate action to correct. Verify building plans if necessary. Product Aged Solar Thermal Reflectance SRI³ Pass Fall? Pass Fall? Aged Solar Thermal Reflectance SRI³ Pass Fall? Aged Solar Thermal A	RGY CHECKLIST	•						
1 and 16 with a Low-Sloped 2:12 pitch or less								012
and 16 with a Low-Sloped 2:12 pitch or less	this compliance approach ca	annot b	e used)	Go to Overal	Eπι	/elope /	\pproac	h or
with a Steep-Sloped with less than 5 lb/ft² Greater than 2:12 pitch	M THE ROOFING PRODUCT "	COOL	ROOF" RE	QUIREMENTS	3:	Pass	Fall ¹	N/A
and 5 are exempted, solar reflectance and thermal emittance or aque Surface Details roof assembly. Column H of ENV-2C and 5 are exempted, solar reflectance and thermal emittance or SRI and 5 are exempted, solar reflectance and thermal emittance or SRI are exempted, solar reflectance and thermal emittance or SRI or solar season building integrated solar thermal panels are e or SRI, see spreadsheet calculator at yww energy, ca.gov/fittle24/ care or of membrane with a weight of at least 25 lb/lf are exempt from care or of membrane with a weight of at least 25 lb/lf are exempt from care or of membrane with a weight of at least 25 lb/lf are exempt from care or of membrane with a weight of at least 25 lb/lf are exempt from care or of membrane with a weight of at least 25 lb/lf are exempt from care or of membrane with a weight of at least 25 lb/lf are exempt from care or of membrane with a weight of at least 25 lb/lf are exempt from care or of membrane with a weight of at least 25 lb/lf are exempt from care or of single plans if necessary. Product Aged Solar Thermal Thermal Care or of the care of t	1 and16 with a Low-Sloped 2:	12 pitch	or less					
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voltaic panels and building integrated solar thermal panels are e or SRI, see spreadsheet calculator at www.ene.gu.ga.gov/litie24/ © or SRI, see spreadsheet calculator at www.ene.gu.ga.gov/litie24/ © or solar membrane with a weight of at least 25 lb/fit are exempt from © © © © © © © © © © © © © © © © © © ©	and 5 are exempted, solar relec-	atance a	ınd therma	t emittance or S	RI			
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ecklist Form and take appropriate action to correct. Verify building plans if necessary. Product Type ⁸ Reflectance ¹ Thermal Eminitance SRI ³ Pass Fail ¹ O 72 O 90	e or SRI, see spreadsheet calcu e roof membrane with a weight	lator at of at lea	st 25 lb/lt ²	are exempt from	14 <u>/</u> Ti			a
Product Type ⁸ Reflectance ¹ Emmitance SRI ³ Pass Fall ⁶	ls with low sloped roofs in Clima	ite Zone	s 1 throug	jh 9, 12 and 16	are			
Reflectance Emmitance SRI3 Pass Fallf	ecklist Form and take appropria	te actio	n to correc	t Venfy buildir	g pla	ins if nec	essary.	
		Refle		Emmitance	_ 5	SRI ^s .		***************************************
the Cool Roof Rating Council's Rated Product Directory at top, i.e. single-ply roof, asphalt roof, metal roof etc. 2) to obtain a calculated aged value. Where p is the Initial Solar Reflectance value from the 2) to obtain a calculated aged value. Where p is the Initial Solar Reflectance from the Cool are using the equation above theel calculator at http://www.energy.ga.gov/btle?4/ ecklist Form end take appropriate action to correct. Venty building plans if necessary ust be applied across the entire roof surface and meet the dry mit thickness or coverage infimmum performance requirements listed in \$118(1)4. Select the applicable coating			0 72	0 90				
the Cool Roof Railing Council's Rated Product Directory at top, i e single-ply roof, asphalt roof, metal roof etc 2) to obtain a calculated aged value. Where p is the Initial Reflectance value from the 2) to obtain a calculated aged value. Where p is the Initial Solar Reflectance from the Cool use using the equation above theet calculator at http://www.energy.ga.gov/tite/24/ ecklist Form and take appropriate action to correct. Venty building plans if necessary ust be applied across the entire roof surface and meet the dry mit thickness or coverage infimmum performance requirements listed in §118(1)4. Select the applicable coating					ļ.,			
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ement-Based Roof Coating	not Rating Council's Rated Prod 2) to obtain a calculated aged v use using the equation above neet calculator at http://www.en ecklist Form and take appropria ust be applied across the entire	uct Dire alue W ergy ca le action roof su	ctory then /here p is t covutte?4 n to correct rface and t	use the Initial F the Initial Solar L. Venty building meet the dry mi	Relie	ectance i uns if nec kness or	rom the (essary coverage	Caol
	ement-Based Roof Coating			Other				

CERTIFICATE OF COMPLIANCE AND FIELD INSPECTION ENERGY			3 of 3)	ENV-1C
Project Name	GY CHECKLE) !		Date
BCSD School Building L Administration				1/5/2012
Required Acceptance Tests				
Designer:				
This form is to be used by the designer and atta Fenestrations system. The designer is required require an acceptance test. If all the site-built for products and the number of systems. The NA7 Manual describes the test. Since this form will be party to budget for the scope of work appropriate	to check the accept enestration of a certi Section in the Appe pe part of the plans,	ance tests and list a ain type requires a te endix of the Nonresio	II the fenestrationst, list the differ Jential Reference	n products that ent fenestratior e Appendices
Enforcement Agency: Systems Acceptance. Before Occupancy Perifernestration is installed in the building or space. The ENV-2A form is not considered a complete boxes are checked and/or filled and signed. In enforcement agency that certifies plans, specifinformation meet the requirements of §10-103(lout and signed forms before the building can referiestration product line must be provided to the	shall be certified as form and is not to be addition, a Certifications, installation of Title 24 Part 6, iceive final occupance	meeting the Accept e accepted by the e te of Acceptance for certificates, and ope The field inspector of cy. A copy of the EN	ance Requirement ager inforcement ager ins shall be subrerating and main nust receive the	ents. ncy unless the mitted to the tenance properly filled
Test Description		ENV-2A	Test Performe	nd Bus
Fenestration Products Name or ID	Area of like	Building Envelope	rear remodifie	<u></u>
Requiring Testing or Verification	Products	Acceptance Test		
PPG Solarban 60 (2) Solargray + Clear	410	[2]		
Sola-Tube 750 DS	12	Ø		
1/4" PPG Solergray	58	Ø		
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	OOR LIGHTING SCHEDULE and FIELD INS				LUNLI				
						Field In	spector		<u>]</u>
A sepa	cate of Acceptance, LTG-2A and LTG-3A (Relain a copy a trate Lighting Schedule Must Be Filled Out for Conditioned phing Schedule is only for:	nd venty form and Uncond	is complete litioned Spa	d and signed aces Install	d) ed Lighti	Fleid In ng Power	spector listed or		<u>]</u>
ΙΖΙ	CONDITIONED SPACE		NCONDIT						
Ø	The actual indoor lighting power listed below includes all installed permanent and portable lighting systems in accordance with §146(a). Only for offices: Up to the first 0.2 watts per square foot of portable lighting shall not be required to be included in the								
Ø	calculation of actual indoor lighting power density in acc 0 2 watts per square foot is totaled below.	ordance with	the Excep	ition to §14	6(a). All	portable I	ighting in	exce	ss o
	Luminaire (Type, Lamps, Bailasts)			Inst	alled W	atts			
A	В	С	Q		<u> </u>	F	G		1
				How wattage Was determined				Field Inspector	
None or flem Tag	Complete Luminaire Descríption¹ (i.e., 3 tamp tuorescent troffer F32T8. one dimmable electronic ballasts)		Watts per Luminaire	CEC Default From NA8	According To §130 (d or e)	Number of Luminaires	installed Watts (D X F)	Pass	Eall
1	Designed Allowance: 1392 sqft at 0.769 w/sf						1,070		Ö
	Designed Allowance, 160 sqft at 0 769 w/sf						123		
	Designed Allowance: 324 sqft at 0.769 w/sf						249	D	
	Designed Allowance: 325 sqft at 0.769 w/sf						250	Ö	
	Designed Allowance: 368 sqft at 0 769 w/sf						283		¥ [2]
	Dosigned Allowance: 572 sqft at 0.769 w/sf		·				440		Ū
	Designed Allowance: 622 sqft at 0 769 w/sf						478		Ç
	Designed Allowance 927 sqft at 0.769 w/sf								
	Standard Allowance, 10 sqft at 0 850 w/sf						9	0	
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						-		0	
-						1		0	<u>%</u> □
						1			
						1			
								0	
						-			
					*****	e Total:	3,615		
Installed Watts Page Total: Installed Watts Building Total Building total number of pages: (Sum of all pages)									
	age shall be determined according to Section 130 (d and e). Watte			er into LTC	······································		3,615		

CERTIFICATE OF COMPLIANCE (Part 2 of 3) Project Name						LTG-1C Date		
BCSD School Building L Administration						2012		
INDOOR LIGHTING SCHEDULE and FIE								
Fill in controls for all spaces: a) area controls, automatic daylighting controls for daylit areas : general lighting controlled separately from disp controls for retail stores > 50,000 ft ² , in accord	. 9 500 66 A) obu	it-off controle a) dieniav	habbaa castroic	t) tailored b	IONTING COL	ntrols		
· · · · · · · · · · · · · · · · · · ·	DATORY LIGHTING CONTROLS - FIELD INSPECTION ENERGY CHECKLIST							
Type/ Description	Number of Units	Location in Bu	ıldıng	Special Features	Pass	Fáil		
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SPECIAL FEATURES INSPECTION CHE The local enforcement agency should pay spe justification and documentation, and special ve and may reject a building or design that other submitted.	cial attention to the	he items specified in this	checklist. Thes	adeouacy of	the lustific	cation.		
## 4.11 A. A. A. A. A. A. A. A. A. A. A. A. A.								
Field Inspector's Notes or Discrepancies:								
		; 2012-01-05T14:34:22	ID. 09091					
EnergyPro 5 1 by EnergySoft User Number: 523						14 of 25		

CERTIFICATE OF CO				(Part 3 of 3)	Dε	ite 1/5/2012
3CSD School Building L Ad CONDITIONED AND UNCON		LI CONTINIO I	MICT NOT DE	COMPINED FOR CO		
Indoor Lighting Power				ighting Power for Unco		
mader Eighting Fower	101 Conditioned Spi	Watts	810001 1	ighting i offer for once	,,,,,,,,,,,,,,,	Watts
nstalled Lighting		3,615	installed Ligh			
(from Conditioned LTG-1C, Page 2) Lighting Control Credit	- 0	(from Unconditi Lighting Conti	oned LTG-1C, Page 2) of Credit			
Conditioned Spaces (from LTG-2C)		1	Spaces (from LTG-2C)		v	
Adjusted Installed Lighting Power	3,615	Adjusted Inst Lighting Power	alled	=	o	
Complies if Installed ≤ Allowed			Installed ≦ Allowed 🔭			
Allowed Lighting Power Conditioned Spaces (from LTG-3)	C or PERF-1)	3,615		Allowed Lighting Power Unconditioned Spaces (from LTG-3C)		
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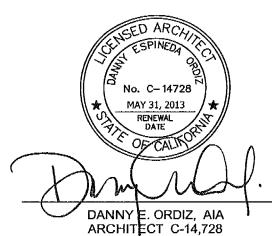
ARCHITECTS, INC. 5500 MING AVENUE BAKERSFIELD, CALIFORNIA 93309

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(661) 832-4291

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DIVISION OF STATE ARCHITECT OFFICE OF REGULATION SERVICES APPL. #:02-112027

PTN # 63321-112

NEW ELEMENTARY SCHOOL 9801 HIGHLAND KNOLLS DR BAKERSFIELD CALIFORNIA

.. NEW MIDDLE SCHOOL 4115 VINELAND ROAD BAKERSFIELD CALIFORNIA

93306

BAKERSFIELD CITY SCHOOL DISTRICT 1300 BAKER STREET BAKERSFIELD CALIFORNIA

93305

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SHEET TITLE TITLE 24 **BUILDING "L"**

SHEET IDENTIFICATION NUMBER M-530