PERFORMANCE CERTIFICATE OF CO	NIAIL WIN	ICE	(Part	1 of 3)	PERF-1
Project Name					Date
BCSD School Building B					1/5/201
Project Address	Climate Zone	nte Zone 13		nd. Floor Area 7,402	Addition Floor Ai
Bakersfield	CA CIIIIR	Re Zone 13	************	7,402	Iva
GENERAL INFORMATION Building Type: Nonresidential	☐ High-Ri	se Residential		Hatal/Matal	Guest Room
Relocatable - indicate		climate zone		all climates	
Phase of Construction: New Construction	□ Addition			Alteration	
STATEMENT OF COMPLIANCE					
This certificate of compliance lists the building features a)		
comply with Title 24, Parts 1 and 6 of the California Code certificate applies only to a Building using the performance	e of Regulation	ons. This			
The documentation author hereby certifies that the documentation			amplete		
Documentation Author	mentations	f	Ompiete	•	
Name MARK BUSINES	1	Signature	Last	The way	
0			Date	1/5/2012	
Mechanical Design Concepts, Inc. Address	······································		Phor		
City/State/Zip					
The Principal Designer hereby certifies that the proposed	d hudding da	sign rapropost	od in this	e e e e e e e e e e e e e e e e e e e	
onstruction documents is consistent with the other complete.	u pununy de:	and workshop	ote mith	the enecifica	tione and with
construction documents is consistent with the other comp	phance forms	and worksnee	us, will	me specifica	mons, and wan
any other calculations submitted with this permit applicat	tion. The prop	bosed building	nas bee	n designed to	o meet the ene
efficiency requirements contained in sections 110, 116 th	hrough 118, a	and 140 throug	h 149 of	Title 24, Par	rt 6. Please
check one:					
ENV. LTG. MECH.					
I hereby affirm that I am eligible und	ler the provisio	ns of Division 3	of the Bu	siness and Pro	ofessions Code to
☐ ☐ sign this document as the person res					
California as a civil engineer, mecha					
I affirm that I am eligible under the pi	irovisions of Di			ina Profession	
	ant an the nore	on reenoneible	for ite pre	has anitarea	that I am a licens
5537.2 or 6737.3 to sign this docume contractor performing this work.	ent as the pers	on responsible	for its pre	paration, and	that I am a licens
contractor performing this work. Laffirm that Lam eligible under Divisi	ent as the pers	on responsible siness and Profes	for its pre essions C	paration, and Code to sign th	that I am a licens
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PERFORMANC	E CEI	RTIFICAT	E OF C	OMPLIA	NCE	(Part 2	of 3)		RF-1
Project Name BCSD School Buildins	~ B							1	Date 1/5/20
ANNUAL TDV ENERG		SUMMARY (kBtu/sqft-yi	`)	NAMES OF THE PROPERTY OF THE P				
	S	tandard	Proposed	Comp					
Energy Component		Design	Design	Mar		Heating			
Space Heating		30 25	6.	04	24.21	Cooling			×
Space Cooling	-	136 56	120.	71	15 84	Fans		20. 21.	THINB
Indoor Fans		61.64	56.	11	5 53	Heat Rej		<i>600</i>	,
Heat Rejection		0.00	.0	00	0.00	,	•		,
Pumps & Misc.		0.00	0	00	0.00	Pumps			
Domestic Hot Water		28.60	28	60	0.00	DHW			
Lighting		63.65	46.	33	17.32	Lighting			
Receptacle		48 99	48	99	0.00	Receptacle			
Process		0 00	0.	00	0.00	Process		,	
Process Lighting		0.00	0	00	0.00	Process Ltg		\ 	
TOTALS		369.70	306.	79	62.91	,			
Percent better than Sta	ndard		17.0	% (170	% exclu	ding process)			
1001-01-01-01-01-01-01-01-01-01-01-01-01	***************************************	<u> </u>	BUILDIN	ia coi	MPIN	FS			***************************************
GENERAL INFORMAT	ION	Re	9 % J E E E E E P E E		412 85612		***************************************	. 	
OLIVETIAL INFOITMAT	**************************************		**************************************	***************************************	-	COCREGO PORTO - LA CARLA MANTENA PARA ARRAMANTA MANTENA MANTEN			
Building Orientation		(N) 0 deg	Condi	tioned Floo	r Area		7,	402 sqft	
Number of Stories		1	Uncor	nditioned FI	oor Area	1		0 sqft.	
Number of Systems		3	Condi	tioned Fool	tprint Are	еа	7,:	392 sqft.	
Number of Zones		12	Natur	al Gas Avai	lable On	Site		Yes	
		Orientation	a Gro	ss Area		Glazing Area		Glazing	Ratio
Front Elevation	ſ	(N)		1,730	sqft.	117	sqft.	- Ciazing	6.8 9
Left Elevation	ł	(E)		1,344	sqft.	134	~{ .		9.9 9
Rear Elevation	ŀ	(S)		1,540		249	-		16.19
Right Elevation	ł			1,490	sqft.	108	۳,		7.2 9
riigin Elevation	~	(W)		6,104	sqft.	60	~ ·		9.9 9
Doof	Total			7,392	sqft		-i '	~~~~	0.09
Roof	t	and the second s		7,392	sqn		y squ.	L	0.0 7
			Standard		Pror	oosed	D	austina Val	
Prescriptive Lighting Po	wer Dei	nsity	1.030	W/sqft.		0.750 W/sqft.		criptive Val parison onl	
Prescriptive Envelope T	DV Ene	ergy	236,589			179,270		1C for allo	
nanc nagy na proponent na photo popular de popular de popular de popular de la proponent de popular de la proponent de popular de popular de la proponent de la proponent de la proponent de la proponent de popular de la proponent		man bout described as some transport of the	***************************************	narcocontropium erotamente.	AN ARABAMAN AND AND AND AND AND AND AND AND AND A	alanteria esperiaza para de especial de especial esta de especial	*********	nateletoobbeennagenshiida	660000100000000
Remarks:		00000003140+30+60+A41048140403334	9900009404040444444	*****		*************	********		
EnergyPro 5 1 by EnergySoft	***************************************	Number: 5232	**********	e: 2012-01-05		ID. 09091	******	10000000000000000000000000000000000000	oage 3 c

BCSD School Build			*******	A RODA CHE CONTRACTOR			1/5	/2012
ZONE INFORMATIO	<u>N</u>		Class		Ctrl.	Allowe	di DD	Proc
System Name	Zone Name	Occupancy Type	Floor Area (sqft.)	Inst LPD (W/sf) ¹	Credits (W/sf) ²	Area (W/sf) ³	Tailored (W/sf) ⁴	Load (W/s
HP B-1	Zone B-1	Office <= 250 sqft	396	*0.750				
	Zone B-2	Office <= 250 sqft	121	• 0 750			~~~~	
	Zone B-3	Convention/Conference/Mea	340	*0.750				
	Zone B-4	Lobby, Main Entry	1.788	*0.750		0.800		
	Zone B-5	Office > 250 sqfl	508	*0 750				
	Zone B-6	Convention/Conference/Med	304	*0.750				
	Zone B-7	Lobby, Main Entry	1,076	*0.750		1.120		
	Zone B-8	Office > 250 sqft	770	*0 750				
	Zone B-9	Classroom, Lecture, Training	1,284	*0.750				
	Zone B-10	Dining	645	*0.750				
CU-B1	Data Room	Electrical, Mechanical Room	160	*0 750				
DOAS	DOAS Zone	Comp Bldg Office	10	*0.750				***************************************

EXCEPTIONAL CONTROL The local enforcement a justification and docume determines the adequac	intation and energial verification	attention to the items specified cation to be used with the perfo may reject a building or design	эгталсе а	ipproach. T	ese items	require spe	agency	
		ventilation per Standards Section	121.					
		ce = 0 72, Emittance = 0.90 shall		nd labeled	by the Cool	Roof Rating	Council in	accorda
The Roof R-30 Roof Cathe				····				
The Roof R-30 Roof Cathe				~~~~	~~~~~~~			
The Roof R-30 Roof Cathe								
The Roof R-30 Roof Cathe					······································		***************************************	***************************************
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The exceptional features documentation for their	use have been provided b		ecifically	been review	wed. Adequ	uate written	justificatio	n and
The exceptional features documentation for their	use have been provided b	y the applicant.				uate written		n and

Project N BCSD	lame School Building B	OX.000X.********************************		***********								Date 1/) 15/20	0
Project A	Address	······································				Climale Z					or Area	Addition		r
	ersfield						13		 	7,402	Mayorothic Contraction of the Co		n/a	•
	IAL INFORMATION					***************************************			000000 material and an annual and an annual an		4.1.1.1.0		*******	-
Building		☑ Nonre		Public	Caboal		jh-Rise Re					iuest Ro		_
☐ Scl	hools (Public School)	Bldg.	Kane	rubiic	SCHOOL	121 (Conditione	d Spaces			Uncon	ditioned	Spac)(
☐ Sk	ylight Area for Large End	closed Spac	e ≥ 80	00 ft ² (lf check	ed includ	le the ENV	-4C with	submitta	ıl)				
Phase of	of Construction:	IZI New C	oristri	uction		□ Ad	dition			Altera	tion			
Approac	ch of Compliance:	□ Comp	onent		*****************	Ø Ov	erall Envel	ope	D	Uncor	nditione	d (file aff	idavi	t,
Front O	rientation: N, E, S, W or	in Degrees		0 deg										~
	000000s 4045000000000000 quique prospense quies depèque aut d	FIEL	D IN	SPE	CTION	ENE	RGY CH	ECKLI	ST	****	86.000000000000000000000000000000000000	ecostosa estanta	*******	-
OPAQL	JE SURFACE DETAILS	<u> </u>				LATION	******************	014014400 W 1004 W 100			****			
			_							4				I
		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	-
Tag/ID	Assembly Type	_ ∢	oz	n	0 &	u>	m r	5>	24	~5≪		00		1
1	Roof	396	(N)	0 03						1,2.1-A2		w		1
2	Wall	66	(N)	0 069	R-21	1				1.3.1~A6	Ne	w		1
3	Wall	342	(E)	0 069		1				1.3.1-A6				+
4	Slab	396	(N)	0 730	None				1	1.4 7-A1			<u> </u>	1
5	Roof	121	(N)	0.03		7				1.2.1-A2				1
6	Wall	124	(S)	0.069	R-21	<u> </u>			4	3.1-A6	Nei	W		1
7	Wall	144	(E)	0 069	R-21	<u> </u>			4	1.3.1-A6	Ne	W		1
8	Slab	121	(N)	0 730	None	<u> </u>				1.4.7-A1	Ne			ļ
9	Roof	340	(N)	0.031	R-30	2			4	.2.1-A2	0 Net	<i>*</i>		1
10	Wall	42	(E)	0 069	R-21	1				.3 1-A6	Nev	<i>w</i>	<u> </u>	1
2. If Fail,	structions in the Nonreside then describe on Page 2 o	f the Inspection	n Che	cklist Fo	rm and to	ake appro	priate action	n to correct	A fasld	loes not		······································		_ T
Tag/II	Fenestrat Type	ìon		Area (ft')	Orientation N, E, S, W	Max U-Factor	U-Factor Source	Max (R)SHGC	SHGC	Overhand		Status	Pass	
1	Window		1	54	(E)	0.290	cog	0.240	CC	OG 5Z	New			t
2	Window	***************************************	1	195	(S)	0.290	COG	0.240	CC	og C	New			ľ
3	Window		†	21	(S)	1 100	COG	0 570	CC)G [Now			ľ
4	Window		1	33	(S)	0.290	COG	0.240	CC	G K	New			ľ
5	Window		1	33	(W)	0.290	cog	0.240	CC	G E	Now			r
6	Window		1	21	(W)	1.100	COG	0 570	CC		New			٢
7	Window		1	14	(W)	0.290	cog	0.240	CC		New			ľ
8	Window			41	(NW)	0.290	cog	0 240	CC	G K	New			-
9	Window		1	14	(E)	1.100	COG	0 570	cc	G E	New			
***********	Windaw	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		117	(N)	0.290	COG	0 240	cc	G C	New			
10														
1. See In:	structions in the Nonreside hen describe on Page 2 of	ntial Comphar	ice Ma	nual, pa	ge 3-96.						4			

Building Type: Z Nonresidential	Project A	School Building B						Climate Zo		·	Total (Cond. Floor	Area A
Building Type: Z					·····	Andrewa		~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	13	*****		7,402	
Schools (Public School)	****		171 No.	nrae	dent	ial		M Hin	h-Rise Re	sidential	П	Hotel/M	lotel Gue
Skylight Area for Large Enclosed Space ≥ 8000 ft (It checked include the ENV-4C with submittat) Phase of Construction:		***************************************	Do				School						
Phase of Construction:		•	RIC										
Approach of Compliance:							If check	***************************************		-4C with	~~~~~~		
See Instructions in the Norresidential Compliance Manual, page 3-96 2 If Fail, then describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct. A fail does not meet compression. To compliance Manual, page 3-96 2 If Fail, then describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if occored. See Instructions in the Nonresidential Compliance Manual, page 3-96 2 If Fail then describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if occored. Service of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if occored. Service of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if occored. Service of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if occored. Service of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if occored. Service of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if occored. Service of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if occored. Service of the Inspection Checklist Form and take appropriate action to correct. Service of the Inspection Checklist Form and take appropriate action to correct. Service of the Inspection Checklist Form and take appropriate action to correct. Service of the Inspection Checklist Form and take appropriate action to correct. Service of the Inspection Checklist Form and take appropriate action to correct. Service of the Inspection Checklist Form and take appropriate action to correct. Service of the Inspection Checklist Form and take appropriate action to correct. Service of the Inspection Checklist Form and take appropriate action to correct. Service of the Inspection Checklist Form and take appropriate action to correct.		·····	~~~~			uction				····	************		
Sign		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					· r · · · · · · · ·	☑ Ove	erall Envel	ope		Uncond	itioned (t
10 No.	Front O	nentation: N, E, S, W o	-	********		***********		× 444 x 2 244 40	.01/ 01	FOLL			***************************************
Tag/ID		to a tomor a a proper a to		ELL	NI C	SPE		****	RGY CH	ECKLI	<u>51</u>	**************************************	************
11 Wall 28 W) 0.069 R-21	OPAGE	SURFACE DETAIL	3		*****	····	LINSU	LATION	T				
11 Wall 28 W 0.069 R-21 4.3.1-A6 New 12 Well 184 (S) 0.069 R-21 4.3.1-A6 New 13 Door 21 (S) 0.500 Insul 4.5.1-A3 New 14 Slab 340 (N) 0.730 None 4.4.7-A1 New 15 Roof 288 (N) 0.031 R-30 4.2.1-A20 New 16 Wall 201 (S) 0.069 R-21 4.3.1-A6 New 17 Slab 268 (N) 0.730 None 4.4.7-A1 New 18 Roof 1.350 (N) 0.031 R-30 4.2.1-A20 New 18 Roof 1.350 (N) 0.031 R-30 4.2.1-A20 New 19 Wall 64 (S) 0.069 R-21 4.3.1-A6 New 12 If fall then describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct. A fall does not meet comp. FENESTRATION SURFACE DETAILS See Instructions in the Nonresidential Compliance Manual, page 3-96 2 If fall then describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct. A fall does not meet comp. See Instructions in the Nonresidential Compliance Manual, page 3-96 See Instructions in the Nonresidential Compliance Manual, page 3-96 See Instructions in the Nonresidential Compliance Manual, page 3-96 See Instructions in the Nonresidential Compliance Manual, page 3-96 See Instructions in the Nonresidential Compliance Manual, page 3-96 See Instructions in the Nonresidential Compliance Manual, page 3-96 See Instructions in the Nonresidential Compliance Manual, page 3-96 See Instructions in the Nonresidential Compliance Manual, page 3-96 See Instructions in the Nonresidential Compliance Manual, page 3-96 See Instructions in the Nonresidential Compliance Manual, page 3-96 See Instructions in the Nonresidential Compliance Manual, page 3-96 See Instructions in the Nonresidential Compliance Manual, page 3-96 See Instructions in the Nonresidential Compliance Manual, page 3-96 See Instructions in the Nonresidential Compliance Manual, page 3-96 See Instructions in the Nonresidential Compliance Manual, page 3-96 See Instructions in the Nonresidential Compliance Man	You w/SPO	Accomply Time	Area (ft²)		Orientation N, E, S, W	U-Factor	Cavity R-Value	Exterior R- Value	Exterior Furring ³	Interior R- Value	Interior Furring³	Joint Appendix 4	Condition
12 Well						0.069	·		 				
13	~~~~					***************************************	-	~	1				
14		· 							-				
16 Wall	14	Slab		340		0 730	Non	6				4.4 7-A1	New
17 Slab 288 (N) 0.730 None	15	Roof		288	(N)	0 03	R-3	0				4.2.1-A20	New
18	16	Wall		201	(S)	0 069	R-2	1				4 3 1-A6	New
Wall 64 (S) 0.069 R-21 4.3.1-A6 New	17	Slab		288	(N)	0 730	Non	е				4.4.7-A1	New
Door 20 (S) 0.500 Insul 4.5 1-A3 New	18	Roof	1,	350	(N)	0.03	R-3	o				4.2.1-A20	New
1. See Instructions in the Nonresidential Compliance Manual, page 3-96 2. If Fail, then describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct. A fail does not meet composite the fail then describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct. A fail does not meet composite the fail then describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct. A fail does not meet composite the fail to correct the fail does not meet composite the fail to correct. A fail does not meet composite the fail to correct the fail does not meet composite the fail to correct the fail does not meet composite the fail to correct the fail does not meet composite the fail does not meet correct the fail does not meet correct the fail does not meet correct the fail does no	19	Wall		64	(S)	0 069	R-2	1				4.3.1-A6	New
Fenestration Type Window Cog	20	Door		20	(S)	0 500	Inse	11	1			4.5 1-A3	New
Mindow 66 (E) 0.290 COG 0.240 COG COG New COG 0.240 COG COG COG New COG 0.240 COG COG COG New COG 0.240 COG	FENES	TRATION SURFAC	E DETAI		T				***************************************	***************************************	1		Conditions
See Instructions in the Nonresidential Compliance Manual, page 3-96 2 If Fail then describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct Verify building plans if necessary.						66			COG		·	+	
See Instructions in the Nonresidential Compliance Manual, page 3-96 2 If Fail then describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct Verify building plans if necessary.			***************************************		 								1
See Instructions in the Nonresidential Compliance Manual, page 3-96 2 If Fail their describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct Verify building plans if necessary.	·····									*****************			
See Instructions in the Nonresidential Compliance Manual, page 3-98 2 If Fall then describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct Verify building plans if necessary.		**************************************	***************************************		<u> </u>								
1 See Instructions in the Nonresidential Compliance Manual, page 3-96 2 If Fail then describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct Verify building plans if necessary.	***************************************				l			***************************************			<u> </u>		I
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1 See Instructions in the Nonresidential Compliance Manual, page 3-96 2 If Fail then describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if necessity.	***************************************											口	
2 If Fail then describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if necessarily											l		
EnergyPro 5.1 by EnergySoft User Number 5232 RunCode: 2012-01-05T12:47:02 ID 09091			******		l.,		·	~~~~~~					

	FIELD INSPECT			***************************************	***************************************	***************************************				######################################	Da		
BCSD Project A	School Building B				10	Ilmiate Zo	one		Total	Cond. Floor A		1/5/20	
	ersfield				,		13		744611	7,402	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	n/a	,
GENER	IAL INFORMATION	**************************************						*********************	Mc4000000Mc40	*****************	***********	**************************************	*********
Building	Type:					☐ Hig	h-Rise Re	sidential		Hotel/Mo	tel Guest R	oom	
☐ Sch	nools (Public School) 🛮 🗀	Reloca Bldg.	itable	Public 8	School	Ø 0	onditioned	d Spaces		□ Ur	nconditioned	d Spac	es
□ Sky	ylight Area for Large Enclos		9 ≥ 80	00 ft ² (I	checke	d include	the ENV	-4C with	submit	tal)			
Phase c	of Construction:	New C	onstri	uction		□ Add	lition		0	Alteration)		
Approac	ch of Compliance:	Compo	nent			Ø Ove	rall Envel	ope		Uncondit	ioned (file a	ffidavı	t)
Front O	rientation: N, E, S, W or in	Degrees:		0 deg									
		FIEL	D IN	SPEC			GY CH	ECKLI	ST				
OPAQU	IE SURFACE DETAILS		posentostente	·····	INSUL	ATION		-				· · · · · · · · · · · · · · · · · · ·	************
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	Pass	Fall
21	Slab	1,350	(N)	0.730	None					4.4.7-A1	New		
22	Roof	150	(N)	0.031	R-30					4.2.1-A20	New		
23	Slab	150	(N)	0 730	None	~~=~~~	ļ			4 4.7-A1	New		
24	Roof	216	(N)	0.031	R-30				····	4.2.1-A20	New		
25	Wall	178	(S)	0 069	R-21					4.3 1-A6	New		0
26	Wali	119	(N)	0 069	R-21					4.3.1-A6	New		
27	Door	21	(N)	0 500	Insul				~~~~	4.5 1-A3	New		<u></u>
28	Slab	216	(N)	0.730	None				*******	4.4.7-A1	New		<u>_</u>
29 30	Roof Wall	292	(N) (S)	0.031	R-30 R-21	*****				4 2.1-A20 4.3.1-A6	New New		0
	estructions in the Nonresidentia									4.0.1910	111011		
	then describe on Page 2 of th					ke appro	oriate action	n to correc	t. A fai	does not me	et complianc	е.	
FENES	TRATION SURFACE D	ETAILS									***************************************		
	Fenestralion Type			Area (ft²)	Orientation N, E, S, W	Max U-Factor	U-Factor Source	Max (R)SHGC	SHGC	Source Overhang	Conditions Status	Pass	Fall
Tag/II													
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Tag/II			ŧ		- 1				 		ny angus anto monomitro di bili describe d	무	1
Tag/IE			 						<u></u>				
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	structions in the Nonresidentia	al Complia	oce Ma	nuai, par	ge 3-96.							0	000

Project N		LABORATE PROPERTY OF THE PERSON OF THE PERSO	vioneman		908944CD99ED649544		*********			O		ate	
BCSD Project A	School Building B			***************************************		Climate Zo	ne en		Total	Cond. Floor		1/5/2	
	ersfield					Ommeno Et	13		101	7,402		n/a	.,
GENER	AL INFORMATION							**************************************		****	***********		
Building	Туре Б					☐ Hig	h-Rise Re	sidential		Hotel/Mo	otel Guest P	loom	
□ Sch	nools (Public School) D	J Reloca Bldg.	itable	Public 5	School	121 C	onditione	d Spaces		m u	nconditione	d Spac	ce
☐ Sky	rlight Area for Large Enclo		e ≥ 80	00 ft ² (II	checke	ed include	the ENV	-4C with	submit	tal)	***************		
Phase c	of Construction'	New C	onstru	etion	****	☐ Add	lition			Alteratio	n		
Approac	ch of Compliance: E	Compo	onent			☑ Ove	rall Envel	lope		Uncondi	tioned (file a	affidavi	ít)
Front O	rientation N. E, S, W or in	Degrees:	T	0 deg									
***************************************		FIEL	D IN	SPEC	MOIT	ENEF	GY CH	IECKL	IST				
OPAQU	E SURFACE DETAILS	***************************************	*****	#0440#################################	INSU	ATION			,	******************			
		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	
Tag/ID 31	Assembly Type	140		0.069		-}	<u> </u>			4.3 1-A6	New	10	t
32	Slab	292		0.730		·				4.4.7-A1	New	10	1
33	Roof	232		0.031		·				4.2 1-A20	New		†
34	Roof	72		0.031			-			4.2 1-A20	New		1
35	Wall	56	(W)	0.069	R-2	1				4.3.1-A6	New		1
36	Wall	158	(S)	0.069	R-2	1				4.3.1-A6	New		I
37	Slab	304	(N)	0 730	None					4.4.7-A1	New		
38	Roof	255	(N)	0 031	R-30) 				4.2 1-A20	New		1
39	Roof	145	(N)	0.031	R-30		<u> </u>			4 2 1-A20	New		1
40	Wall	119	(S)	0 069	R-21	<u> </u>	J	L		4.3 1-A6	New		1
2. Il Fail,	structions in the Noriresident then describe on Page 2 of the TRATION SURFACE I	re Inspectio	on Che	cklist Fo	ge 3-96. rm and t	ake appro	oriate actio	n to correc	t. A fau	I does not me	et complianc	e	
Tag/II	Fenestration Type	n		Area (ff')	Orientation N, E, S, W	Max U-Factor	U-Factor Source	Max (R)SHGC	SHGC	Source Overhang	Conditions Status	Pass	
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CERTIFICATE OF COMPLIANCE

AND FIELD INSPECTION ENERGY CHECKLIST

	FIELD INSPEC	TION E	ENE	RGY	CHE	CKL	<u>st</u>	****	······································	###C##G#G#G#G#G#F#F######	*********************	·	1000000
Project N	lame School Building B										Dá	te 1/5/20	01.
Project A	Address					Climate Zo		*****************	Total	Cond. Floor		n Floo	
****	ersfield	********		·		**************	13	***********	<u> </u>	7,402		n/a	
GENER	IAL INFORMATION		***************************************			***			•	1 5 - 1 - 1 / 1 4 -			
Building	Type:	Z Nonre	-	rai Public S	2chool		1-Rise Re				itel Guest R		
		Bldg					onditione				nconditione	d Spac	ces
☐ Sky	light Area for Large Enclo	sed Spac	9 ≥ 80	00 ft² (II	f checke	ed include	the ENV	-4C with	submit	tal)			***
Phase o	of Construction:	7 New C	onstru	etion		☐ Add	ition			Alteration	n		
Approac	ch of Compliance: [	Compo	onent		_	Ø Ove	rall Envel	lope		Uncondit	lioned (file a	ffidavi	t)
Front O	rientation: N, E, S, W or ir	Degrees:		0 deg		Antinom an anni Marini			000000000000	*********	ducu stacionico atributos		
		FIEL	DIN	SPEC	MOIT	ENER	GY CH	IECKL	ST				
OPAQU	E SURFACE DETAILS		······································	Macrostotes	INSU	ATION	·	<del></del>	************				-,
W (15)	According Topic	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	Pass	
Tag/ID 41	Assembly Type	21	(S)	0.500	<del></del>			<u> </u>		4 5 1-A3	New	10	t
42	Wall	423	(W)	0.089	R-21	·				4 3.1-A6	New		t
43	Wall	184	(NW)	0.069		<del></del>				4.3 1-A6	New		T
44	Wall	147	(E)	0,069	<del> </del>					4.3.1-A6	New		T
45	Slab	400	(N)	0.730	None	,				4.4.7-A1	New		T
46	Roof	676	(N)	0.031	R-30	,				4.2 1-A20	New		T
47	Slab	676	(N)	0.730	None					4.4.7-A1	New		Ī
48	Roof	770	(N)	0.031	R-30					4 2.1-A20	New		I
49	Wall	500	(N)	0.069	R-21					4 3 1-A6	New		
50	Door	42	(N)	0.500	Insu	4				4 5 1-A3	New		L
2 II Fail,	structions in the Nonresident then describe on Page 2 of t TRATION SURFACE	he Inspection	on Che	cklist For	rm and to		niate action	***************************************	t Afai		***************************************	e.	T
Tag/ID	Fenestratio Type	n	,	Area (ff*)	Orientation N, E, S, W	Max U-Factor	U-Factor Source	Max (R)SHGC	SHGC		Conditions Status	Pass	-
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I. Sea Inc	structions in the Nonresident	al Compliar	ice Ma	nual par	ne 3-96	***************************************		**********	1				L
I. See Ins	structions in the Nonresidenti hen describe on Page 2 of th	al Compliar e Inspection	nce Ma n Chec	nual, pag klist Forr	je 3-96. n and ta	ke appropr	ate action	to correct	L Verify		ns if necessar	3	<u></u>

Project N	FIELD INSPEC	HON !	:NE	HGY	CHE	CKL	<u> </u>	uquaranidahAdasahdAGIII/4	·····	en samenne en	Da	te	
	School Building B							****	,			/5/20	
Project A	Address e <i>rsfield</i>				1	Climate Zo	ne 13		Total	Cond. Floor <i>7,402</i>	Area Additio	n Floo <i>n/a</i>	r A
************	RAL INFORMATION	0-00-10-11-11-11-11-11-11-11-11-11-11-11		····			, , , , , , , , , , , , , , , , , , ,			7,402		11/CI	
Building		ZI Nonre	sident	ial	***********	☐ Hial	n-Rise Re	sidential		Hotel/Mo	tel Guest R	oom	
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	ylight Area for Large Encli	Biag.	e ≥ 80	00 ft ² (1	f checke						nooronone.	· Opac	
		ZI New C	~~~~~	*****	************		lition			**************	n	~~~~~	
Approac	ch of Compliance:	I Comp	onent			Ø Ove	rall Envel	ope		Uncondi	tioned (file a	ffidavi	it)
ront O	rientation: N, E, S, W or in	n Degrees:	: T	0 deg	T	*************		***************************************	*******				
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PAQU	IE SURFACE DETAILS			***************************************		ATION	***************************************	***************************************	************		*************************	************	.0000
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		Area (ft ⁷ )	Orientation N, E, S, W	U-Factor	Cavity R-Value	Extenor R- Value	Exterior Furring ³	Interior R- Value	Interior Furring ³	Joint Appendix 4	Condition	Pass	
Tag/ID	Assembly Type		<del> </del>		<del> </del>		14.			ļ			ł
61	Wall	308		0.069	<del> </del>		<b></b>			4.3.1-A6	New	1 0	t
2	Slab	770	t	0.730	<del> </del>				***************************************	4 4.7-A1	New ·		+
i3 i4	Roof	1,284	<del></del>	0.031	ł					4 2.1-A20 4.3.1-A6	New		+
	Wall	445		0.069							New		+
6	Wall	344		0.069 0.500	<del> </del>	-	<del> </del>			4.3.1-A6 4 5.1-A3	New		t
7	Slab	1,284		0.730						4.4.7-A1	New	10	t
8	Roof	325		0.730	R-30					4.2 1-A20	New	0	t
9	Wall	236		0 069						4 3 1-A6	New		t
0	Door	20		0.500	<b></b>					4.5.1-A3	New		t
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Tag/ID	Fenestratio	n	,	Area (ft')	Orientation N, E, S, W	Max U-Factor	U-Factor Source	Max (R)SHGC	SHGC	Source	Conditions Status	Pass	
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	structions in the Nonresident		<u> </u>						<u> </u>	0		0	L

	TIFICATE OF FIELD INSPE					CHE	CKL	IST	(	Part	1 of 3)		ENV
Project N	ame			T D		THE R PROPERTY AND ADDRESS OF THE PARTY AND AD	THE R 'S DAM!	***************************************	MARKACOCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	<del> </del>	***************************************		ate
	School Building B		·····				D	******	*****************	Talati	Cond Floor		1/5/2 on Floo
Project A	ddress <i>rsfield</i>					1,	limate Z	one 13		i totai i	Cond. Floor 7,402	Area Acom	on 1100 <b>n/a</b>
	AL INFORMATION	*****		**********	**********		·			<u> </u>			
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	ools (Public School)			atable	Public 8	School	671 C	Conditione	d Spaces		D U	nconditione	d Spa
	light Area for Large Er		Bldg. ed Spac	e > 80	OU IIs (1	f checké						***************************************	
	f Construction:	EZI	<del></del>		************	····		dition			······································	n	
	h of Compliance:			************				erall Envel	ope		Uncondi	tioned (file a	affidav
	ientation: N, E, S, W o				0 deg	T				************			
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			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	Pass
Tag/ID 61	Assembly Type Slab		325	·	0 730	<b></b>				***********	4.4.7-A1	New	10
62	Roof		320	<u> </u>	0.031	R-30	~~~~~~			<u> </u>	4 2 1-A20	New	
63	Wall		280		0.089		**********				4 3.1-A6	New	
64	Wall		260	<b></b>	0 069	R-21				·	4 3.1-A6	New	
65	Door		20	(E)	0.500	Insul					4.5.1-A3	New	
66	Slab		320		0.730	Nane					4 4.7-A1	New	
67	Roof		160	(N)	0.031	R-30					4 2 1-A20	New	
68	Slab		160	(N)	0.730	None					4 4.7-A1	New	
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Tag/ID	Fenestra Type				Area (It²)	Orientation N, E, S, W	Max U-Factor	U-Factor Source	Max (R)SHGC	SHGC	Source Overhang	Conditions Status	Pass
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1. See Ins 2. If Fail II	structions in the Nonresid	ential	Compliar	nce Ma	nual, pai klist Fori	ge 3 96. n and tak	e approp	riate action	to correct	. Verify		ns if necessa	.1

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Project Name	<del></del>		HUN	CNEH	GY CHECKLIST			***************************************		Date	
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				*******	THE ROOFING PRODUCT "			EQUIREMENTS:	Pass	Fail'	N
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SRI that have a	U-facto	r of 0.039	or lower.	See Opac	ue Surface Details roof asser	nbly. Co	olumn H of	ENV-2C.			
that have a U-la	actor of (	0.048 or I	ower. See	Opaque 5	nd 5 are exempted, solar relect Surface Details roof assembly	below,	Column H	of ENV-2C.	" 🗆		
The roof area co	overed t	y buildin	g integrate	d phatova	Itaic panels and building integ or SRI, see spreadsheet calcu	grated s	olar therm	al panels are	.   0		
☐ Roof construction	ons that riteria be	have the	rmal mass	over the r	oof membrane with a weight	of at lea	isi 25 lb/li²	are exempt from			1
High-rise reside exempted from					with low-sloped roofs in Clima	ate Zone	es 1 throug	th 9, 12 and 16 at	re 🖂		ı
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CRRC Product ID	Roof	Slope	Produc	Weight	Product		d Solar	Thermal	-		
Number ¹	≤ 212	> 2.12	< 5lb/ft²	≥ 5lb/ft²	Турө ²	Refle	ctance'	Emmitance	SRI ⁵	Pass	Fa
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fenestration 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, specif	form and is not to be addition, a Certifical fications, installation	e accepted by the e te of Acceptance for certificates, and ope	nforcement agency unless the ms shall be submitted to the erating and maintenance
information meet the requirements of §10-103(tout and signed forms before the building can refenestration product line must be provided to the	ceive final occupant	cy. A copy of the EN	nust receive the properly filled IV-2A for each different
Test Description		ENV-2A	Test Performed By:
Fenestration Products Name or ID Requiring Testing or Verification	Area of like Products	Building Envelope Acceptance Test	
PPG Solarban 60 (2) Solargray + Clear	552	Ø	
1/4" PPG Solargray	56	Ø	
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This form is to be used by the designer and attached to the plans. Listed below is the acceptance test for Envelope Fenestrations system. The designer is required to check the acceptance tests and list all the fenestration products that

require an acceptance test. If all the site-built fenestration of a certain type requires a test, list the different fenestration products and the number of systems. The NA7 Section in the Appendix of the Nonresidential Reference Appendices Manual describes the test. Since this form will be part of the plans, completion of this section will allow the responsible party to budget for the scope of work appropriately.

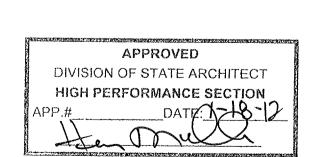
ENV-1C

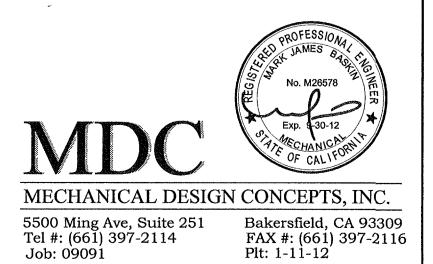
Date 1/5/2012

(Part 3 of 3)

טטאו	OR LIGHTING SCHEDULE and FIELD INS	PECIIC	N ENEH	GY CH	ECKLI	51	************		
Installa	stallation Certificate, LTG-1- INST (Retain a copy and verify form is completed and signed) Field In						spector]
A sepa	cate of Acceptance, LTG-2A and LTG-3A (Retain a copy and rate Lighting Schedule Must Be Filled Out for Conditioned a hting Schedule is only for:	d verify form nd Uncond	is completed ditioned Spa	d and signe ices Instal	d.) led Lightii	Field In	spector listed or]
Ø	CONDITIONED SPACE		JNCONDITI						
Ø	The actual indoor lighting power listed below includes all with §146(a)	·		•		-			
[2]	Only for offices: Up to the first 0.2 watts per square foot o calculation of actual indoor lighting power density in account 0.2 watts per square foot is totaled below.	rdance wit	h the Excep	tion to §14	quired to 16(a). All p	oe includ oortable l	ighting ir	exce	ss
	Luminaire (Type, Lamps, Ballasts)		Installed Watts						
A	В	С	D	E F			G	F	d ald
				Was determined		1 1	į	Inspecto	
None or Item Tag	Complete Luminaire Description¹ (e, 3 lemp fluorescent troffer, F32T8, one dimmable electronic ballasis)		Watts per Luminaire	CEC Default From NA8	According To §130 (d or e)	Number of Luminares	Installed Watts (D X F)	Pass	li cu
	Designed Allowance 10 sqft at 0.750 w/sf						8	O	C
	Designed Allowance 1076 sqft at 0.750 w/sf						807		C
	Designed Allowance 121 sqft at 0.750 w/sf		****				91		C
	Designed Allowance: 1284 sqft at 0,750 w/sf						963		£
	Designed Allowance 160 sqft at 0.750 w/sf						120	D	X,
	Designed Allowance: 1788 sqft at 0.750 w/sf					ļ	1,341		C
	Designed Allowance 304 sqft at 0.750 w/sf						228		Į.
	Designed Allowance: 340 sqft at 0.750 w/sf						255		ØE
	Designed Allowance [,] 396 sqft at 0 750 w/sf						297		X.C
	Designed Allowance: 508 sqft at 0.750 w/sf						381		C
	Designed Allowance; 645 sqft at 0.750 w/sf						484		E
	Designed Allowance. 770 sqft at 0.750 w/sf					 	578	0	C
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	its .		L			L	E 200		C
·				nstalled Water			5,552		22
	Building total number of pages. Installed Watts Building Total (Sum of all pages) Enter into LTG-1C Page 4 of 4						5,552		

ontrols for retail stores > 50,000 ft ² , in acco	**************************************	***************************************	n 111494:2+++++++++++++++++++++++++++++++++++	Field Inspector	
ANDATORT LIGHTING CONTROLS	DATORY LIGHTING CONTROLS FIELD INSPECTION ENERGY CHECKLIST Number Special				
Type/ Description	of Units	Location in Building	Features	Pass Fail	
		VI. VII. 14			
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			О	0 0	
				0 0	
				0 0	
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		***************************************		0 0	
PECIAL FEATURES INSPECTION C te local enforcement agency should pay s stification and documentation, and special id may reject a building or design that othe bmitted.	pecial attention to the verification. The local	items specified in this checklist. The	he adequacy of	the justification.	
stification and documentation, and special id may reject a building or design that othe	verification. The local erwise complies based	enforcement agency determines t	he adequacy of	ŧ	





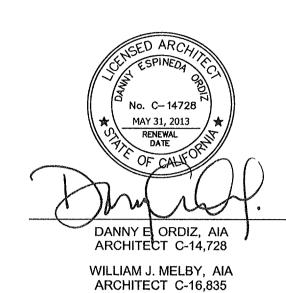


ARCHITECTS, INC. 5500 MING AVENUE SUITE 280 BAKERSFIELD, CALIFORNIA 93309

> (661) 832-5258 (661) 832-4291

TELEPHONE

FACSIMILE



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

PTN # 63321-112

NEW ELEMENTARY SCHOOL 9801 HIGHLAND KNOLLS DR BAKERSFIELD CALIFORNIA 93306

NEW MIDDLE SCHOOL 4115 VINELAND ROAD BAKERSFIELD CALIFORNIA 93306

FOR:

BAKERSFIELD CITY SCHOOL DISTRICT 1300 BAKER STREET BAKERSFIELD CALIFORNIA 93305

MARK	DATE	DESCRIPTION				
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\triangle						
\triangle						

JOB NUMBER.
200101244
CAD DRAWING FILE:

DRAWN BY: CHECKED BY: CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK.
REPORT DISCREPANCIES TO THE ARCHITECT.

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SHEET TITLE TITLE 24 **BUILDING "B"**

SHEET IDENTIFICATION NUMBER M-516