AND EIEI D			OMPL		E GY CHECKLIST	r	(P	art 2 of 3	3)		ENV	-1C
Project Name BCSD School B	****	-	HON	CIVEN	GT UNEUNLIS	§ COURTERONCEMONARIO	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	104×10404040404044444444444444444444444			Date 1/5/2	012
ROOFING PRO			OL RO	OFS)	<u></u>	*************	***************************************		-		5764640043450066	****
(Note if the roofing	produc				is compliance approach c	annot b	e used).	Go to Overal	l Env	elope /	Approac	h or
Performance Appre	oacn. .E BOX	BELOW	IF EXEM	PT FROM	THE ROOFING PRODUCT	"COOL	ROOF" RE	QUIREMENTS	3 :	Pass	Fall ¹	N
	~~~~			***************************************	and16 with a Low-Sloped 2							I
					ith a Steep-Stoped with less							1
					nd 5 are exempted, solar rell ue Surlace Details roof asse							1
Low-sloped Met	al buildi	ng roofs	in Climate	Zone 3 ar	nd 5 are exempted, solar rele Surface Details roof assembly	ctance a	nd Iherma	l emittance or S	RI			1
The roof area co	overed b	y buildin	g integrate	d photovo	Itaic panels and building inte	grated s	olar therm:	al panels are				1
Pool construction	ar reflect	ance and	d thermal e	over the r	or SRI, see spreadsheet calc oof membrane with a weight	of at lea	www.ener si 25 lb/ft²	gy.ca gov/fil'e2 are exempt fror	m		-	+
the Cool Boof c	nteria be	stow.			with low-sloped roofs in Clim							] [
exempted from	the low-	sloped ro	ofing crite	na moteis	With low-sloped roots in Cain	ate zone	:s : :::::::::::::::::::::::::::::::::	11 3, 12 and 10	are			
<ol> <li>If Fail then describ</li> </ol>	e on this	s page of	the Inspe	ction Chec	klist Form and take appropria			t. Verify buildin	ng pla	ns if ne	cessary	
CRRC Product ID Number ¹		Slope > 2 12	Product	t Weight ≥ 5lb/ff²	Product Type?	Age	d Solar ectance ³	Thermal Emmitance	5	:Fil?	Pass	Fa
R-30 Roof Cathedral	[2]		121			□ ⁴	0.69	0.91				C
						□ ⁴						Ľ
						□ ₁						C
						□⁴						[
		10004							l			Ε
			L/	<u> </u>		1						
www.coolrocis.oro/or 2 Indicate the type o 3 If the Aged Reflect same directory and to	t ID Nur oducts/s f product ance is use the	nber can search pl t is being not avail equation	be obtain oused for able in the (0 2+0.7(p	ed from the	e Cool Roof Rating Council's c, i.e. single-ply roof. asphalt Rating Council's Rated Proc to obtain a calculated aged v	Rated F	etal roof, et ctory then	c use the Initial F	Reflec	tance v	alue from	the
www.cooltools.oro/or 2 Indicate the type o 3 If the Aged Reflect same directory and 3 Goof Rating Council's 4 Check box if the Ai 5 The SRI value nee 5 If Fail then describ To apply Liquid Field	t ID Nur oducts/s f produce ance is use the c s Rated ged Refi ds to be e on this	mber can search pi it is being not availa equation Product lectance calculate spage of	be obtained used for it able in the (0.2+0.7(p) Directory is a calculated from a state of the Inspectory is the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a state of the Inspector	ed from the the roof top Cool	o, i.e. single-ply roof, asphalt Rating Council's Rated Proc to obtain a calculated aged v using the equation above et calculator at http://www.er klist Form and take appropris t be applied across the entire	Rated Froof, maduct Directly Calue. Whereast actions around the control of the co	etal roof, et ctory then there p is to gov/title24 in to correct rface and i	c use the Initial F the Initial Solar  t. Verily buildin neet the dry mil	Relle ng pla I thick	ctance ns if nec	alue from from the s cessary, coverage	the Coo
www.cooltools.oro/or 2 Indicate the type of 3 If the Aged Reflect same directory and u Roof Rating Council's 4 Check box if the Ai 5 The SRI value nee 6 If Fail then describ To apply Liquid Field recommended by the	t ID Nur oducts/s f produce ance is use the case the case ged Refids to be e on this d Applie coating	mber can search pi t is being not available equation Product lectance calculate s page of ed Coatin s manufa	be obtain  o used for lable in the (0 2+0.7(p) Directory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory and	ed from the the roof log Cool Roof Roof Roof Roof Roof Roof Roof R	o, i.e. single-ply roof, asphalt Pating Council's Rated Proc to obtain a calculated aged voice using the equation above et calculator at <a href="http://www.er/klist Form and take approprise">http://www.er/klist Form and take approprise</a> t be applied across the entire imum performance requirem	Rated Froof, maduct Directly Calue. Whereast actions around the control of the co	etal roof, et ctory then there p is a gov/title24 in to correct face and a ed in §1180	c use the Initial F the Initial Solar  t. Verily buildin neet the dry mil	Relle ng pla I thick	ctance ns if nec	alue from from the s cessary, coverage	the Cool
www.cooltools.oro/or 2 Indicate the type o 3 If the Aged Reflect same directory and t 300f Rating Council's 4 Check box if the Ais 5 The SRI value nee 5 If Fail then describ To apply Liquid Field ecommended by the  Aluminum-Pigmer	t ID Nur oducts/s f produce ance is use the case the case ged Refids to be e on this d Applie coating	mber can search pi t is being not available equation Product lectance calculate s page of ed Coatin s manufa	be obtain  o used for lable in the (0 2+0.7(p) Directory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory and	ed from the the roof log Cool Roof Roof Roof Roof Roof Roof Roof R	o, i.e. single-ply roof, asphalt Rating Council's Rated Proc to obtain a calculated aged v using the equation above et calculator at http://www.er klist Form and take appropris t be applied across the entire	Rated Froof, maduct Directly Calue. Whereast actions around the control of the co	etal roof, et ctory then there p is a gov/title24 in to correct face and a ed in §1180	c use the Initial F the Initial Solar  t. Verify buildin neet the dry mi (i)4. Select the	Relle ng pla I thick	ctance ns if nec	alue from from the s cessary, coverage	the Cool
www.coolrools.orm/or ? Indicate the type o & If the Aged Reflect name directory and u- Roof Rating Council's ! Check box if the Ais of the SRI value nee if If Fail then describ to apply Liquid Field commended by the	t ID Nur oducts/s f produce ance is use the case the case ged Refids to be e on this d Applie coating	mber can search pi t is being not available equation Product lectance calculate s page of ed Coatin s manufa	be obtain  o used for lable in the (0 2+0.7(p) Directory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory and	ed from the the roof log Cool Roof Roof Roof Roof Roof Roof Roof R	o, i.e. single-ply roof, asphalt Pating Council's Rated Proc to obtain a calculated aged voice using the equation above et calculator at <a href="http://www.er/klist Form and take approprise">http://www.er/klist Form and take approprise</a> t be applied across the entire imum performance requirem	Rated Froof, maduct Directly Calue. Whereast actions around the control of the co	etal roof, et ctory then there p is a gov/title24 in to correct face and a ed in §1180	c use the Initial F the Initial Solar  t. Verify buildin neet the dry mi (i)4. Select the	Relle ng pla I thick	ctance ns if nec	alue from from the s cessary, coverage	the Cool
www.cooltools.oro/or 2 Indicate the type o 3 If the Aged Reflect same directory and t 300f Rating Council's 4 Check box if the Ais 5 The SRI value nee 5 If Fail then describ To apply Liquid Field ecommended by the  Aluminum-Pigmer	t ID Nur oducts/s f produce ance is use the case the case ged Refids to be e on this d Applie coating	mber can search pi t is being not available equation Product lectance calculate s page of ed Coatin s manufa	be obtain  o used for lable in the (0 2+0.7(p) Directory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory and	ed from the the roof log Cool Roof Roof Roof Roof Roof Roof Roof R	o, i.e. single-ply roof, asphalt Pating Council's Rated Proc to obtain a calculated aged voice using the equation above et calculator at <a href="http://www.er/klist Form and take approprise">http://www.er/klist Form and take approprise</a> t be applied across the entire imum performance requirem	Rated Froof, maduct Directly Calue. Whereast actions around the control of the co	etal roof, et ctory then there p is a gov/title24 in to correct face and a ed in §1180	c use the Initial F the Initial Solar  t. Verify buildin neet the dry mi (i)4. Select the	Relle ng pla I thick	ctance ns if nec	alue from from the s cessary, coverage	the Cool
www.coolrools.orm/or ? Indicate the type o & If the Aged Reflect name directory and u- Roof Rating Council's ! Check box if the Ais of the SRI value nee if If Fail then describ to apply Liquid Field commended by the	t ID Nur oducts/s f produce ance is use the case the case ged Refids to be e on this d Applie coating	mber can search pi t is being not available equation Product lectance calculate s page of ed Coatin s manufa	be obtain  o used for lable in the (0 2+0.7(p) Directory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory and	ed from the the roof log Cool Roof Roof Roof Roof Roof Roof Roof R	o, i.e. single-ply roof, asphalt Pating Council's Rated Proc to obtain a calculated aged value of the equation above et calculator at <a href="http://www.er.et/blub.room.ng">http://www.er.et/blub.room.ng</a> klist Form and take approprie t be applied across the entire imum performance requirem	Rated Froof, maduct Directly Calue. Whereast actions around the control of the co	etal roof, et ctory then there p is a gov/title24 in to correct face and a ed in §1180	c use the Initial F the Initial Solar  t. Verify buildin neet the dry mi (i)4. Select the	Relle ng pla I thick	ctance ns if nec	alue from from the s cessary, coverage	the Coo
www.coolrools.orm/or ? Indicate the type o & If the Aged Reflect name directory and u- Roof Rating Council's ! Check box if the Ais of the SRI value nee if If Fail then describ to apply Liquid Field commended by the	t ID Nur oducts/s f produce ance is use the case the case ged Refids to be e on this d Applie coating	mber can search pi t is being not available equation Product lectance calculate s page of ed Coatin s manufa	be obtain  o used for lable in the (0 2+0.7(p) Directory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory and	ed from the the roof log Cool Roof Roof Roof Roof Roof Roof Roof R	o, i.e. single-ply roof, asphalt Pating Council's Rated Proc to obtain a calculated aged value of the equation above et calculator at <a href="http://www.er.et/blub.room.ng">http://www.er.et/blub.room.ng</a> klist Form and take approprie t be applied across the entire imum performance requirem	Rated Froof, maduct Directly Calue. Whereast actions around the control of the co	etal roof, et ctory then there p is a gov/title24 in to correct face and a ed in §1180	c use the Initial F the Initial Solar  t. Verify buildin neet the dry mi (i)4. Select the	Relle ng pla I thick	ctance ns if nec	alue from from the s cessary, coverage	the Coo
www.cooltools.oro/or 2 Indicate the type o 3 If the Aged Reflect same directory and t Roof Rating Council's 4 Check box if the Ai 5 The SRI value nee 3 If Fail then describ To apply Liquid Field recommended by the Aluminum-Pigmer	t ID Nur oducts/s f produce ance is use the case the case ged Refids to be e on this d Applie coating	mber can search pi t is being not available equation Product lectance calculate s page of ed Coatin s manufa	be obtain  o used for lable in the (0 2+0.7(p) Directory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory and	ed from the the roof log Cool Roof Roof Roof Roof Roof Roof Roof R	o, i.e. single-ply roof, asphalt Pating Council's Rated Proc to obtain a calculated aged value of the equation above et calculator at <a href="http://www.er.et/blub.room.ng">http://www.er.et/blub.room.ng</a> klist Form and take approprie t be applied across the entire imum performance requirem	Rated Froof, maduct Directly Calue. Whereast actions around the control of the co	etal roof, et ctory then there p is a gov/title24 in to correct face and a ed in §1180	c use the Initial F the Initial Solar  t. Verify buildin neet the dry mi (i)4. Select the	Relle ng pla I thick	ctance ns if nec	alue from from the s cessary, coverage	the Cool
www.cooltools.oro/or 2 Indicate the type of 3 If the Aged Reflect same directory and Roof Rating Council's 4 Check box if the Aid 5 The SRI value nee 6 If Fail then describ To apply Liquid Field	t ID Nur oducts/s f produce ance is use the case the case ged Refids to be e on this d Applie coating	mber can search pi t is being not available equation Product lectance calculate s page of ed Coatin s manufa	be obtain  o used for lable in the (0 2+0.7(p) Directory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory is a calculated from a state of the Inspectory and	ed from the the roof log Cool Roof Roof Roof Roof Roof Roof Roof R	o, i.e. single-ply roof, asphalt Pating Council's Rated Proc to obtain a calculated aged value of the equation above et calculator at <a href="http://www.er.et/blub.room.ng">http://www.er.et/blub.room.ng</a> klist Form and take approprie t be applied across the entire imum performance requirem	Rated Froof, maduct Directly Calue. Whereast actions around the control of the co	etal roof, et ctory then there p is a gov/title24 in to correct face and a ed in §1180	c use the Initial F the Initial Solar  t. Verify buildin neet the dry mi (i)4. Select the	Relle ng pla I thick	ctance ns if nec	alue from from the s cessary, coverage	the Cool

CERTIFICATE OF COMPLIANCE AND FIELD INSPECTION ENER		(Pai	rt 3 of 3)	ENV-10
Project Name BCSD School Building A	(2000)	***************************************	***************************************	Date 1/5/201
Required Acceptance Tests	\$\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	***************************************	**************************************	***************************************
Designer:				
This form is to be used by the designer and attractions system. The designer is required require an acceptance test. If all the site-built fiproducts and the number of systems. The NA7 Manual describes the test. Since this form will be party to budget for the scope of work appropria	to check the accepenestration of a cer Section in the Apposer of the Apposer of the plans,	stance tests and fist a tain type requires a tendix of the Nonresi	all the fenestratic test, list the differ idential Referenc	on products that ent fenestration e Appendices
Enforcement Agency:				
Systems Acceptance. Before Occupancy Peri 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, specifinformation meet the requirements of §10-103(tout and signed forms before the building can refenestration 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. ceive final occupant	s meeting the Acceptone accepted by the este of Acceptance for certificates, and open The field inspector of the Accept of the Et	tance Requirement ages  rms shall be subsecting and main  must receive the  NV-2A for each of	ents.  ncy unless the nitted to the tenance properly filled
Tost Dansvirking		PAULOA	T	.1
Test Description Fenestration Products Name or ID	Area of like	ENV-2A Building Envelope	Test Performe	a By:
Requiring Testing or Verification	Products	Acceptance Test		
PPG Solarban 60 (2) Solargray + Clear	697	<b>Ø</b>		
1/4" PPG Solargray	436	<b>Z</b> I		
***************************************				
				***************************************
**************************************				
***************************************				***************************************
***************************************				*************************
**************************************		<u> </u>	·····	
	1			***************************************
***************************************			Material and the state of the s	
			******************************	
		ā		<del></del>
	<del> </del>		***************************************	
			**************************************	
**************************************		<u></u>		
			**********************************	
	1			
inergyPro 5.1 by EnergySoft User Number, 5232	RunCode: 2012-01-			Page 17 of 44

	School Building A	****	***********	***************************************	~~~		1.	/5/20	)12
NDC	OOR LIGHTING SCHEDULE and FIELD INS	PECTIC	N ENEF	RGY CH	ECKLI	ST		WWW.	
nstall	ation Certificate, LTG-1- INST (Retain a copy and verify form	s campleted	l and signed	.}		Field Ir	spector	1	
Certifi	cate of Acceptance, LTG-2A and LTG-3A (Retain a copy an	d verily form	is complete	d and signe	ıd )	Field Ir	spector	ſ	
sepa	rate Lighting Schedule Must Be Filled Out for Conditioned a phting Schedule is only for:	ind Uncond	ditioned Spa	aces Insta	lled Lighti	ng Powe	r listed or	)	
<u>83</u>	CONDITIONED SPACE		INCONDIT					<del></del>	
Ø	The actual indoor lighting power listed below includes all with §146(a)  Only for offices: Up to the first 0.2 watts per square foot o								
Ø	calculation of actual indoor lighting power density in acco 0 2 watts per square foot is totaled below.	rdance with	the Excep	otion to §1	16(a) All	portable	lighting ir	exce	386
	Luminaire (Type, Lamps, Ballasts)			Ins	talled W	atts		,	
A	В	С	D		E	F	G	-seroc-ress	H
					valtage termined			F Insp	elc ect
None or Item Tag	Complete Luminaire Description ¹ (i.e, 3 lamp fluorescent troffer, F32T8, one dinimable electronic ballasts)		Watts per Luminaire	CEC Default From NA8	Accarding To §130 (d or e)	Number of Luminaires	Installed Watts (D X F)	Pass	
,,,	Designed Allowance. 1067 sqft at 0.614 w/sf						655	0	
	Designed Allowance 1498 sqlt at 0.614 w/sf						920	0	Z
	Designed Allowance: 1510 sqft at 0 614 w/sf						927	O	
	Designed Allowance: 1622 sqft at 0.614 w/sf						996	0	
	Dəsigned Allowance. 2247 sqft at 0.614 w/sf					L	1,380		
	Designed Allowance. 2260 sqft at 0.614 w/sf						1,388	O	
	Designed Allowance: 2306 sqft at 0.614 w/sf						1,416		X
	Designed Allowance: 2322 sqft at 0.614 w/sf	i					1,426	0	
	Dosigned Allowance: 2378 sqft at 0.614 w/sf						1,460	0	
	Designed Allowance: 309 sqft at 0.614 w/sf		~~~~~				190	а	
	Designed Allowance: 411 sqft at 0.614 w/sf						252	O	
	Designed Allowance: 413 sqft at 0.614 w/sf			D			254	0	
	Designed Allowance 4410 sqft at 0 614 w/sf						2,708	0	
	Designed Allowance: 578 sqft at 0.614 w/sf						355		
	Designed Allowance. 642 sqft at 0.614 w/sf						394	O)	
	Designed Allowance: 810 sqft at 0.614 w/sf		~~~~				497	О	
	Designed Allowance, 8364 sqft at 0.614 w/sf				0	ļ	5,135	О	
	Designed Allowance 855 sqlt at 0 614 w/sf		***************************************				525	D	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						ļ	~~~		
						L			Щ
				nstalled W			20,877		22
	Building total number of pages:		·	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	um of all	pages)	20,877		
Watta	ge shall be determined according to Section 130 (d and e) Wattage then describe on Page 2 of the Inspection Checklist Form and take	shall be rai	ting of light fi	er into LTG xture, not ra rrect. Verify	ating of bul	b		***********	
14 1 CIS	men were on a side of the trahection checkers our grid rave			NEODOLONGO COMMINGO CA	091			18 (	

CERTIFICATE OF COMPLIA	INCE	(Part 2	2 of 3)	LTO	<u> </u>	
Project Name				Date 1/5/	20.	
BCSD School Building A INDOOR LIGHTING SCHEDULE and FI	EI N INGOEATI	UN ENEBOA CHECKLIGA	***************************************	1/3/	~U	
Fill in controls for all spaces: a) area controls,	***************************************	<u>  </u>	or navlit areae -	, 250 ft ²	~~~	
automatic daylighting controls for daylit areas general lighting controlled separately from discontrols for retail stores > 50,000 ft ² , in accord	> 2,500 ft*, d) shi play, omamental	ut-off controls, e) display lighting conti and display case lighting and g) dema	rols, f) tailored l	iantina coi	ntro	
MANDATORY LIGHTING CONTROLS -	******************************	***************************************	***************************************	Fie Inspe		
Type/ Description	Number of Units	Location in Building	Special Features	Pass	F	
		*************				
			_			
			<u> </u>			
				0		
				- 0		
				6		
				5		
				a		
			О	Б		
		. ,		6		
			D	000		
				E)		
			О	O	1	
				0	ı	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
				0	1	
					Į	
					(	
				8~~~~t		
		;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;				
SPECIAL FEATURES INSPECTION CHI The local enforcement agency should pay spe justification and documentation, and special ve and may reject a building or design that otherv	cial attention to the	ne items specified in this checklist. The	ese items require adequacy of	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	at	
submitted.						
		**************************************	*******************************	~~~~~		
			**************************************			
Field Inspector's Notes or Discrepancies:			******************************			
		**************************************		·····		
			······································			
EnergyPro 5.1 by EnergySoft User Number: 523	***************************************	2012-01-05T12:01:10 ID: 09091	*************	Page	40	

CERTIFICATE OF Project Name					Date
BCSD School Building A	4				1/5/
			UST NOT BE COMBINED FO		
Indoor Lighting Po	ower for Conditioned Sp	aces	Indoor Lighting Power fo	r Unconditi	
		Watts	t	****	W
Installed Lighting (from Conditioned LTG-1C, Page	e 2)	20.877	Installed Lighting (from Unconditioned LTG-1C, Page	2)	
Lighting Control Credit	_	o	Lighting Control Credit	~.	-
Conditioned Spaces (from LTG-2 Adjusted Installed			Unconditioned Spaces (from LTG-20 Adjusted Installed	<u>()</u>	_
Lighting Power	**	20,877	Lighting Power		=
Complies if Installed ≤ Allow	wed	1	Complies if Installed ≤ Allowed	i	
Allowed Lighting Power		20,877	Allowed Lighting Power	0.00	
Conditioned Spaces (from LT	rg-3C or PERF-1)		Unconditioned Spaces (from LT	G-3C)	l
system with controls is install	led in the building or spac	e shall be certifi	ly constructed building or space on ed as meeting the Acceptance Re	equirements	S.
system with controls is install. The LTG-2A and LTG-3A for the boxes are checked and/o agency that certifies plans, sg of §10-103(b) of Title 24 Part receive final occupancy. A co	led in the building or spac rms are not considered or in filled and signed. In add pecifications, installation of 6. The field inspector mu opy of the LTG-2A and L	e shall be certifice omplete forms a dition, a Certificates, and streceive the or	ed as meeting the Acceptance Rend are not to be accepted by the late of Acceptance forms shall be superating and maintenance informatified forms the superating and maintenance forms of the superation of the sup	equirements enforcemen submitted to nation meet s before the	s. at agency u o the enford t the requir building ca
system with controls is install. The LTG-2A and LTG-3A for the boxes are checked and/o- agency that certifies plans, sp of \$10-103(b) of Title 24 Part	led in the building or spacerms are not considered or if liled and signed. In additional confictions, installation of 6. The field inspector muopy of the LTG-2A and Livecords.	e shall be certifice omplete forms a dition, a Certificates, and streceive the or	ed as meeting the Acceptance Re nd are not to be accepted by the cate of Acceptance forms shall be operating and maintenance informs	equirements enforcemen submitted to nation meet s before the	s.  It agency up the enforce the require building ca provided to
system with controls is install. The LTG-2A and LTG-3A for the boxes are checked and/oragency that certifies plans, spot §10-103(b) of Title 24 Part receive final occupancy. A cowner of the building for their	led in the building or spacerms are not considered or iffled and signed. In adopediteations, installation of 6. The field inspector multiply of the LTG-2A and Livrecords.	e shall be certific implete forms a dition, a Certifice certificates, and st receive the pr TG-3A for each  SECONTROLLE  Numbe Lumina	ed as meeting the Acceptance Rend are not to be accepted by the atte of Acceptance forms shall be soperating and maintenance informoperly filled out and signed forms different lighting luminaire control	equirements enforcemen submitted to nation meet s before the	s.  It agency up to the enforce the require building care provided to LTG-2A LTG-Controls Sensors Autom Daylighting
system with controls is install. The LTG-2A and LTG-3A for the boxes are checked and/o agency that certifies plans, sg of §10-103(b) of Title 24 Part receive final occupancy. A co	led in the building or spacerms are not considered or if liled and signed. In additional confictions, installation of 6. The field inspector muopy of the LTG-2A and Livecords.	e shall be certificated by the certificates and part of the certificates, and part of the certificates	ed as meeting the Acceptance Rend are not to be accepted by the atte of Acceptance forms shall be soperating and maintenance informoperly filled out and signed forms different lighting luminaire control	equirements enforcemen submitted to nation meet s before the	s.  It agency up to the enforce the require building ca provided to LTG-2A LTG-Controls Sensors Autom Daylighting
system with controls is install. The LTG-2A and LTG-3A for the boxes are checked and/oragency that certifies plans, spot §10-103(b) of Title 24 Part receive final occupancy. A cowner of the building for their	led in the building or spacerms are not considered or iffled and signed. In adopediteations, installation of 6. The field inspector multiply of the LTG-2A and Livrecords.	e shall be certific implete forms a dition, a Certifice certificates, and st receive the pr TG-3A for each  SECONTROLLE  Numbe Lumina	ed as meeting the Acceptance Rend are not to be accepted by the atte of Acceptance forms shall be soperating and maintenance informoperly filled out and signed forms different lighting luminaire control	equirements enforcemen submitted to nation meet s before the	s.  at agency un the anforce the require building ca provided to  LTG-2A  LTG-Controls Sensors Autom Daylighting Accepts
system with controls is install. The LTG-2A and LTG-3A for the boxes are checked and/oragency that certifies plans, spot §10-103(b) of Title 24 Part receive final occupancy. A cowner of the building for their	led in the building or spacerms are not considered or iffled and signed. In adopediteations, installation of 6. The field inspector multiply of the LTG-2A and Livrecords.	e shall be certific implete forms a dition, a Certifice certificates, and st receive the pr TG-3A for each  SECONTROLLE  Numbe Lumina	ed as meeting the Acceptance Rend are not to be accepted by the atte of Acceptance forms shall be soperating and maintenance informoperly filled out and signed forms different lighting luminaire control	equirements enforcemen submitted to nation meet s before the	s.  at agency un the anforce the require building ca provided to  LTG-2A  LTG-Controls Sensors Autom Daylighting Accepts
system with controls is install. The LTG-2A and LTG-3A for the boxes are checked and/oragency that certifies plans, spot §10-103(b) of Title 24 Part receive final occupancy. A cowner of the building for their	led in the building or spacerms are not considered or iffled and signed. In adopediteations, installation of 6. The field inspector multiply of the LTG-2A and Livrecords.	e shall be certific implete forms a dition, a Certifice certificates, and st receive the pr TG-3A for each  SECONTROLLE  Numbe Lumina	ed as meeting the Acceptance Rend are not to be accepted by the atte of Acceptance forms shall be soperating and maintenance informoperly filled out and signed forms different lighting luminaire control	equirements enforcemen submitted to nation meet s before the	s.  at agency u b the enforce the enforce building ca a provided t  LTG-2A  LTG- Controls Sensors Autom Daylighting Accepts
system with controls is install. The LTG-2A and LTG-3A for the boxes are checked and/oragency that certifies plans, spot §10-103(b) of Title 24 Part receive final occupancy. A cowner of the building for their	led in the building or spacerms are not considered or iffled and signed. In adopediteations, installation of 6. The field inspector multiply of the LTG-2A and Livrecords.	e shall be certific implete forms a dition, a Certifice certificates, and st receive the pr TG-3A for each  SECONTROLLE  Numbe Lumina	ed as meeting the Acceptance Rend are not to be accepted by the atte of Acceptance forms shall be soperating and maintenance informoperly filled out and signed forms different lighting luminaire control	equirements enforcemen submitted to nation meet s before the	s.  at agency un the enforce the enforce the require building ca a provided to  LTG-2A  LTG- Controls Sensors Autom Daylighting Accepts
system with controls is install. The LTG-2A and LTG-3A for the boxes are checked and/oragency that certifies plans, spot §10-103(b) of Title 24 Part receive final occupancy. A cowner of the building for their	led in the building or spacerms are not considered or iffled and signed. In adopediteations, installation of 6. The field inspector multiply of the LTG-2A and Livrecords.	e shall be certific implete forms a dition, a Certifice certificates, and st receive the pr TG-3A for each  SECONTROLLE  Numbe Lumina	ed as meeting the Acceptance Rend are not to be accepted by the atte of Acceptance forms shall be soperating and maintenance informoperly filled out and signed forms different lighting luminaire control	equirements enforcemen submitted to nation meet s before the	s.  at agency u the enforce the enforce the require building ca provided t  LTG-2A  LTG-Control Sensors Autom Daylighting Accepts
system with controls is install. The LTG-2A and LTG-3A for the boxes are checked and/oragency that certifies plans, spot §10-103(b) of Title 24 Part receive final occupancy. A cowner of the building for their	led in the building or spacerms are not considered or iffled and signed. In adopediteations, installation of 6. The field inspector multiply of the LTG-2A and Livrecords.	e shall be certific implete forms a dition, a Certifice certificates, and st receive the pr TG-3A for each  SECONTROLLE  Numbe Lumina	ed as meeting the Acceptance Rend are not to be accepted by the atte of Acceptance forms shall be soperating and maintenance informoperly filled out and signed forms different lighting luminaire control	equirements enforcemen submitted to nation meet s before the	s. at agency u the anforce the enforce the require building ca provided t  LTG-2A  Control Sensors Autom Daylighting Accepts
system with controls is install. The LTG-2A and LTG-3A for the boxes are checked and/oragency that certifies plans, spot §10-103(b) of Title 24 Part receive final occupancy. A cowner of the building for their	led in the building or spacerms are not considered or iffled and signed. In adopediteations, installation of 6. The field inspector multiply of the LTG-2A and Livrecords.	e shall be certific implete forms a dition, a Certifice certificates, and st receive the pr TG-3A for each  SECONTROLLE  Numbe Lumina	ed as meeting the Acceptance Rend are not to be accepted by the atte of Acceptance forms shall be soperating and maintenance informoperly filled out and signed forms different lighting luminaire control	equirements enforcemen submitted to nation meet s before the	s.  at agency u  the enforce the enforce the require building ca a provided t  LTG-2A  LTG-Controls Sensors Autom Daylighting Accepts
system with controls is install. The LTG-2A and LTG-3A for the boxes are checked and/oragency that certifies plans, spot §10-103(b) of Title 24 Part receive final occupancy. A cowner of the building for their	led in the building or spacerms are not considered or iffled and signed. In adopediteations, installation of 6. The field inspector multiply of the LTG-2A and Livrecords.	e shall be certific implete forms a dition, a Certifice certificates, and st receive the pr TG-3A for each  SECONTROLLE  Numbe Lumina	ed as meeting the Acceptance Rend are not to be accepted by the atte of Acceptance forms shall be soperating and maintenance informoperly filled out and signed forms different lighting luminaire control	equirements enforcemen submitted to nation meet s before the	s. at agency u of the enforce of the
system with controls is install. The LTG-2A and LTG-3A for the boxes are checked and/oragency that certifies plans, spot §10-103(b) of Title 24 Part receive final occupancy. A cowner of the building for their	led in the building or spacerms are not considered or iffled and signed. In adopediteations, installation of 6. The field inspector multiply of the LTG-2A and Livrecords.	e shall be certific implete forms a dition, a Certifice certificates, and st receive the pr TG-3A for each  SECONTROLLE  Numbe Lumina	ed as meeting the Acceptance Rend are not to be accepted by the atte of Acceptance forms shall be soperating and maintenance informoperly filled out and signed forms different lighting luminaire control	equirements enforcemen submitted to nation meet s before the	s. at agency una tagency una t
system with controls is install. The LTG-2A and LTG-3A for the boxes are checked and/oragency that certifies plans, spot §10-103(b) of Title 24 Part receive final occupancy. A cowner of the building for their	led in the building or spacerms are not considered or iffled and signed. In adopediteations, installation of 6. The field inspector multiply of the LTG-2A and Livrecords.	e shall be certific implete forms a dition, a Certifice certificates, and st receive the pr TG-3A for each  SECONTROLLE  Numbe Lumina	ed as meeting the Acceptance Rend are not to be accepted by the atte of Acceptance forms shall be soperating and maintenance informoperly filled out and signed forms different lighting luminaire control	equirements enforcemen submitted to nation meet s before the	at agency unit agency a
system with controls is install. The LTG-2A and LTG-3A for the boxes are checked and/oragency that certifies plans, spot §10-103(b) of Title 24 Part receive final occupancy. A cowner of the building for their	led in the building or spacerms are not considered or iffled and signed. In adopediteations, installation of 6. The field inspector multiply of the LTG-2A and Livrecords.	e shall be certific implete forms a dition, a Certifice certificates, and st receive the pr TG-3A for each  SECONTROLLE  Numbe Lumina	ed as meeting the Acceptance Rend are not to be accepted by the atte of Acceptance forms shall be soperating and maintenance informoperly filled out and signed forms different lighting luminaire control	equirements enforcemen submitted to nation meet s before the	s.  In tagency unit the anglore to the enforce to the enforce to the require building call provided to the require sensors.  Controls Sensors Autom Daylighting Accepts
system with controls is install. The LTG-2A and LTG-3A for the boxes are checked and/oragency that certifies plans, spot §10-103(b) of Title 24 Part receive final occupancy. A cowner of the building for their	led in the building or spacerms are not considered or iffled and signed. In adopediteations, installation of 6. The field inspector multiply of the LTG-2A and Livrecords.	e shall be certific implete forms a dition, a Certifice certificates, and st receive the pr TG-3A for each  SECONTROLLE  Numbe Lumina	ed as meeting the Acceptance Rend are not to be accepted by the atte of Acceptance forms shall be soperating and maintenance informoperly filled out and signed forms different lighting luminaire control	equirements enforcemen submitted to nation meet s before the	at agency u at agency u at agency u at agency u at the require building ca a provided t  LTG-2A  LTG-Controls Sensors Autom Daylighting Accepts
system with controls is install. The LTG-2A and LTG-3A for the boxes are checked and/oragency that certifies plans, spot §10-103(b) of Title 24 Part receive final occupancy. A cowner of the building for their	led in the building or spacerms are not considered or iffled and signed. In adopediteations, installation of 6. The field inspector multiply of the LTG-2A and Livrecords.	e shall be certific implete forms a dition, a Certifice certificates, and st receive the pr TG-3A for each  SECONTROLLE  Numbe Lumina	ed as meeting the Acceptance Rend are not to be accepted by the atte of Acceptance forms shall be soperating and maintenance informoperly filled out and signed forms different lighting luminaire control	equirements enforcemen submitted to nation meet s before the	s. at agency u to the enforce to the enforce to the enforce to the require building can be provided to the requirement of the requirement of the enforce to the enforce of
system with controls is install. The LTG-2A and LTG-3A for the boxes are checked and/oragency that certifies plans, spot §10-103(b) of Title 24 Part receive final occupancy. A cowner of the building for their	led in the building or spacerms are not considered or iffled and signed. In adopediteations, installation of 6. The field inspector multiply of the LTG-2A and Livrecords.	e shall be certific implete forms a dition, a Certifice certificates, and st receive the pr TG-3A for each  SECONTROLLE  Numbe Lumina	ed as meeting the Acceptance Rend are not to be accepted by the atte of Acceptance forms shall be soperating and maintenance informoperly filled out and signed forms different lighting luminaire control	equirements enforcemen submitted to nation meet s before the	s.  at agency unit agency unit agency unit agency unit the require building call provided to a provi

FIELD INSPECTION ENE		Part 1 of 4)	www.waga.comourococococococococococococococococococo
Project Name BCSD School Building A			Date 1/5/2012
Project Address	; Climate Zone	Total Cond. Floor A	1 .,
Bakersfield	13	34,002	n/a
GENERAL INFORMATION			**************************************
Building Type: 21 Non	residential 🏻 🗀 High-Rise Resider		tel Guest Room
☐ Schools (Public School) ☐ Reld	catable Public School Bidg 🔯 Conditions		conditioned Spaces fidavit)
Phase of Construction 20 New	Construction   Addition	☐ Alteration	
Approach of Compliance:   Compliance:	ponent   Overall Envelope	TDV 🖂 Unconditi	oned (file affidavit)
***************************************	Energy		
Front Orientation: N, E, S, W or in Degree	98: 0 deg		~
HVAC SYSTEM DETAILS			ENERGY CHECKLIST
	In a second and a second as		or Requirements  - Describe Reason ²
Equipment ² Item or System Tags	Inspection Criteria	1	
(I.e. AC-1, RTU-1, HP-1)	DHW Heater		
Equipment Type3,	Gas Fired DHW Boiler	<b>_</b>	<u> </u>
Number of Systems	4	<u> </u>	<b>.</b>
Max Allowed Heating Capacity ¹	185,000 Btu/hr	<u> </u>	<b>_</b>
Minimum Heating Efficiency ¹	0.84 EF	<b>_</b>	<b></b>
Max Allowed Cooling Capacity ¹	n/a		<u> </u>
Cooling Efficiency ¹	n/a	<u> </u>	<u>D</u>
Duct Location/ R-Value	n/a	<u> </u>	<b></b>
When duct testing is required, submit MECH-4A & MECH-4-HERS	n/a		
Economizer	n/a		
Thermostat	n/a		
Fan Control	n/a		a
		FIELD INSPECTION	ENERGY CHECKLIST
Equipment ²	Inspection Criteria	*************************	- Describe Reason ²
Item or System Tags			
(i.e. AC-1. RTU-1, HP-1)	AC A1		<b>a</b>
Equipment Type ³ :	Packaged VAV 4	<del>                                     </del>	
Number of Systems			
Max Allowed Heating Capacity ¹	178,000 Btu/hr 81% AFUE		
Minimum Heating Efficiency ¹		<del>                                     </del>	
Max Allowed Cooling Capacity ¹	179,700 Btu/hr		
Cooling Efficiency ¹	12.0 EER		
Duct Location/ R-Value When duct testing is required, submit	Attic, Roof Ins / 4.2		
	No	<u> </u>	
MECH-4A & MECH-4-HERS	Diff. Temp (Integrated)	<u> </u>	
MECH-4A & MECH-4-HEHS Economizer			
TILL 1111 111111111111111111111111111111	Setback Required Variable Speed		

CERTIFICATE OF COMP		•	Part 1 of 4		MECH-
FIELD INSPECTION EN	:nuy checklis	<b>8</b>			Date
BCSD School Building A					1/5/20
Project Address	Clim	ate Zone	Total Cond.		Addition Floo
Bakersfield		13	34,0	002	n/a
GENERAL INFORMATION		000000000000000000000000000000000000000	, and the control of		***************************************
Building Type: 20 No	nresidential 🗆	High-Rise Resident	lial D Ho		uest Room
☐ Schools (Public School) ☐ Re	locatable Public School Bldg	. 🖾 Conditioned	Spaces I	g Uncond	ditioned Spar /it)
Phase of Construction: 27 Ne	w Construction 🔲	Addition		eration	
Approach of Compliance:   Co	mponent D	Overall Envelope T Energy	DV 🗀 Un	conditioned	d (file affidav
Front Orientation: N, E, S, W or in Degr	es: 0 deg			***************************************	76000000000000000000000000000000000000
HVAC SYSTEM DETAILS			FIELD INSPEC	TION ENE	RGY CHECK
			Meets Cr	iteria or R	equirement
Equipment ²	Inspection (	Criteria	Pass	Fall - D	escribe Rea
Item or System Tags (i.e. AC-1, RTU-1, HP-1)	AC A2				
Equipment Type ³ :	Packaged DX			***************************************	
Number of Systems	1	#			
Max Allowed Heating Capacity	103,000 Btu/hr	4			m
Minimum Heating Efficiency ¹	82% AFUE				
Max Allowed Cooling Capacity ¹	91,400 Btu/hr				
Cooling Efficiency ¹	12 0 EER		0		<u> </u>
Duct Location/ R-Value	Attic, Ceiling+Roof Ins /	4.2			
When duct testing is required, submit MECH-4A & MECH-4-HERS	No				
Economizer	Diff. Temp (Integrated)				a
Thermostat	Setback Required				
Fan Control	Constant Volume			***************	
			FIELD INSPEC	TION ENE	RGY CHECK
Equipment ²	Inspection C	Criteria	Pass	Fall - D	escribe Rea
Item or System Tags (i.e. AC-1, RTU-1, HP-1)	AC A3				
Equipment Type ³ :	Packaged DX				a
Number of Systems	1		O		
Max Allowed Heating Capacity ¹	148,000 Btu/hr		a		
Minimum Heating Efficiency	82% AFUE		a		
Max Allowed Cooling Capacity ¹	148,500 Btu/hr				
Cooling Efficiency ¹	12.2 EER				
Duct Location/ R-Value	Attic, Roof Ins / 4.2				
When duct testing is required, submit MECH-4A & MECH-4-HERS	No		П		
Economizer	Diff. Temp (Integrated)				
Thermostat	Setback Required				C
Fan Control	Constant Volume		<u> </u>		<u> </u>
If the Actual installed equipment performation the building plans) the responsible party state. For additional detailed discrepancy use Pastindicate Equipment Type, Gas (Pkg or, Sp. 1).	all resubmit energy compliance ge 2 of the Inspection Checklist	to include the new char Form. Compliance fails	nges		omittal or from
	** *** *** *** *** *** *** *** *** ***				

FIELD INSPECTION Project Name	V E	NE	<u>MGY CMECK</u>					oceaniament	econdominatemicanica	I Date
BCSD School Building A										1/5/2012
Project Address	***			Clune	ite Zone				Floor Area	Addition Floor A
Bakersfield	********	**********	***************************************			3		34,0	902	<u> </u>
GENERAL INFORMATION		Man	residential	m	Mah. Du	se Resident	ual D	Ho.	tal/Motal C	Suest Room
Building Type:			·····				·*		- Uncon	ditioned Spaces
☐ Schools (Public School)			catable Public School			Conditioned			(affida	<u>vit)</u>
Phase of Construction	83	New	Construction		Addition	Envelope T			eration	
Approach of Compliance:		Con	ponent		Energy	criverope i	11		conditione	d (file affidavit)
Front Orientation: N, E, S, W o	r in C	egree	s: 0 deg				***************************************		an elaboration obtainment approximation	
HVAC SYSTEM DETAIL	S						FIELD IN	SPEC	TION ENE	RGY CHECKLIS
							Mee	ts Cr	T	lequirements
Equipment ²	**********		Inspec	tion C	riteria		Pass	*****	Fail - D	escribe Reaso
Item or System Tags (i.e. AC-1, RTU-1, HP-1)			AC A4							
Equipment Type ³ :			Packaged DX	*************	agaga ara ya ara da da ayan kaban aya ga mangkan aka ya baka a	*****************************				a
Number of Systems		**********	1				П			
Max Allowed Heating Capacity	1	.,,,	103,000 Btu/hr					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Minimum Heating Efficiency ¹			82% AFUE			*************				
Max Allowed Cooling Capacity	1		101,600 Btu/hr	~						<u> </u>
Cooling Efficiency'			12.0 EER							<u> </u>
Duct Location/ R-Value			Attic, Roof Ins / 4.	2	************					
When duct testing is required, MECH-4A & MECH-4-HERS	subm	iit	No							
Economizer		*********	Diff. Temp (Integra	ated)						
Thermostat			Setback Required							a
Fan Control			Constant Volume			· · · · · · · · · · · · · · · · · · ·				
	**********				.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		FIELD IN	SPEC	TION ENE	RGY CHECKLIS
Equipment ²	*****		inspec	tion C	riteria		Pass		Fall D	escribe Reaso
Item or System Tags (i.e. AC-1, RTU-1, HP-1)			AC A5							
Equipment Type ³ :	···· ··		Packaged DX	******						
Number of Systems			1							
Max Allowed Heating Capacity	<b>1</b>		59,000 Btu/hr	~~~~	*********					
Minimum Heating Efficiency ¹		-	82% AFUE							<u> </u>
Max Allowed Cooling Capacity		*******	73,600 Btu/hr							
Cooling Efficiency ¹			12.0 EER					~~~~		
Duct Location/ R-Value			Attic, Roof Ins / 4.	2					***************************************	
When duct testing is required, s MECH-4A & MECH-4-HERS	subm	it	No							
Economizer			Diff. Temp (Integra	ated)					***************************************	0
Thermostat			Setback Required							a
Fan Control	****		Constant Volume		***************************************	***************************************				О
If the Actual installed equipment the building plans) the responsib 2. For additional detailed discrepan 3. Indicate Equipment Type: Gas (F	le par cy us	ty sha e Page	I resubmit energy comp 2 of the Inspection Ch	oliance l ecklist l	o include : °orm. Com	he new char pliance lails	iges.			bmittal or from
EnergyPro 5.1 by EnergySoft Us		· ~bii)	,, in the or apin,				ID: 090	****	***************************************	Page 23 of

Project Name BCSD School Building A		027000000000000000000000000000000000000	***************************************					Date 1/5/2012
Project Address		Climate	Zone		Total Co	ond. F	loor Area	Addition Floor Area
Bakersfield		13				34,0	02	n/a
GENERAL INFORMATION			***************	******************		··········	~~~~	******************************
Building Type: 21 No	nresidential	<u> </u>	High-Rise	Residentia	<u> </u>	Hot		luest Room
☐ Schools (Public School) ☐ Re	ocatable Public School	oi Bldg.	⊠ Co	nditioned	Spaces	E	Uncon (affida)	ditioned Spaces /it)
Phase of Construction: 22 Ne	w Construction	D P	Addition		O	Aite	ration	
Approach of Compliance: 🔲 Co	пролепt		Overall En Energy	velope TD	V D	Unc	onditione	d (file affidavit)
Front Orientation: N, E, S, W or in Degre	es: O deg		nergy					
HVAC SYSTEM DETAILS		************	***************************************		FIELD INS	PEC	TION ENE	RGY CHECKLIST
		***************************************	***************************************		*****		·	equirements
Equipment ²	Inspec	ction Cri	teria	r	Pass			escribe Reason ²
Item or System Tags			***************************************				~~~~~~	
(i.o AC-1, RTU-1, HP-1)	AC A6				0			
Equipment Type ³ .	Packaged DX						***************************************	
Number of Systems	50,000 Btu/hr		***************************************					
Max Allowed Heating Capacity ¹ Minimum Heating Efficiency ¹	81% AFUE	*****						
Max Allowed Cooling Capacity ³	49,500 Btu/hr							
Cooling Efficiency ¹	15.6 SEER / 13.0	EER	***************************************				***************************************	
Duct Location/ R-Value	Attic, Roof Ins / 4.	***************************************					~~~	
When duct testing is required, submit MECH-4A & MECH-4-HERS	No				D			0
Economizer	Diff. Temp (Integra	ated)						<u> </u>
Thermostat	Setback Required	·						<b>_</b>
Fan Control	Constant Volume	ny dy cycledona de mande de la constante de la	sacatanas or service reconstante				***************	
				L	FIELD INS	PEC	TION ENE	RGY CHECKLIST
Equipment ²	Inspec	ction Cri	teria		Pass		Fail - D	escribe Reason ²
Item or System Tags (i.e. AC-1 RTU-1, HP-1)	AC A7							
Equipment Type ³ :	Packaged VAV							D
Number of Systems	2							
Max Allowed Heating Capacity ¹	178,000 Btu/hr							
Minimum Heating Efficiency ¹	81% AFUE							
Max Allowed Cooling Capacity ¹	179,700 Btu/hr		******				********	
Cooling Efficiency ¹	12.0 EER	P. 1 S. 5 S.					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Duct Location/ R-Value	Attic, Ceiling Ins, v	vented /	8.0					
When duct testing is required, submit MECH-4A & MECH-4-HERS	No							
Economizer	Diff. Temp (Integra	ated)	~~~			1		
Thermostat	Setback Required							
Fan Control	Variable Speed							
If the Actual installed equipment performan the building plans) the responsible party sh 2 For additional delaited discrepancy use Par 3. Indicate Equipment Type: Gas (Pkg or, Spl	all resubmit energy comp ge 2 of the Inspection Ch	oliance to ecklist Fo	ınclude ihe rm. Compli	new chang ance fails if	es.			bmiltal or from
EnergyPro 5.1 by EnergySoft User Numbe	r. 6222 Purcada	. 2042.04	-05T12:01:	10	ID: 0909		************	Page 24 of 44

CERTIFICATE OF COMP FIELD INSPECTION ENE				art 1 o	f 4)	MECH-1C
Project Name		OLX # 1000 # 400.		***************************************		Date
BCSD School Building A		108		Tabalo	ond, Floor Area	1/5/2012 Addition Floor Area
Project Address  Bakersfield		Clim	ate Zone 13	1	34,002	n/a
GENERAL INFORMATION	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	***************************************				
	residential		High-Rise Residen	tial 🗆	Hotel/Motel G	iuest Room
	ocatable Public S	chool Blda	☑ Conditione	d Spaces		ditioned Spaces
·	v Construction	0			(amua	///
		~~~~~~	Overall Envelope T	2737	·····	
	nponent		Energy		Unconditione	u (ille amdaviti
Front Orientation N, E, S, W or in Degree	es: 0 deg			passacessassassassassassassassas	an na diametrica de la constante de la constan	
HVAC SYSTEM DETAILS						RGY CHECKLIST
					s Criteria or R	
Equipment ² Item or System Tags	Ins	pection C	riteria	Pass	Fail - D	escribe Reason ²
(i.e. AC-1, RTU-1, HP-1)	AC A8					
Equipment Type3'	Packaged DX					
Number of Systems	1					.
Max Allowed Heating Capacity ¹	59,000 Btu/hr		***************************************			
Minimum Heating Efficiency ¹	82% AFUE			a		_
Max Allowed Cooling Capacity ¹	73,600 Btu/hr					<u> </u>
Cooling Efficiency ¹	12.0 EER			<u> </u>		
Duct Location/ R-Value	Attic, Ceiling+I	Roof Ins /	4.2			<u>D</u>
When duct testing is required, submit MECH-4A & MECH-4-HERS	No					
Economizer	Diff. Temp (Inte	egrated)				
Thermostat	Setback Requi	red		П		
Fan Control	Constant Volu	ne				
				FIELD INS	PECTION ENE	RGY CHECKLIST
Equipment ²	Ins	pection C	riteria	Pass	Fail D	escribe Reason ²
Item or System Tags (i.e. AC-1, RTU-1, HP-1)	AC A9					
Equipment Type ⁹	Packaged DX		***			
Number of Systems	1	~~~~	engagen angen akan angen ini kantan kantan kan ankan ankan 40 kan ankan 40 ka			
Max Allowed Heating Capacity ¹	103,000 Btu/hi	,				a
Minimum Heating Efficiency ¹	82% AFUE					
Max Allowed Cooling Capacity ¹	91,400 Btu/hr					
Cooling Efficiency ¹	12.0 EER					a
Duct Location/ R-Value	Attic, Roof Ins	/4.2				
When duct testing is required, submit MECH-4A & MECH-4-HERS	No			O		<u> </u>
Economizer	Diff. Temp (Inte	egrated)		0		
Thermostat	Setback Requi	red	***************************************	D		<u> </u>
Fan Control	Constant Volui	ne				
If the Actual installed equipment performan the building plans) the responsible party sh For additional detailed discrepancy use Pag Indicate Equipment Type, Gas (Pkg or, Spi	all resubmit energy one 2 of the Inspection	ompliance t Checklist I	to include the new char Form. Compliance fails	iges.		omittal or from

CERTIFICATE OF CONFIDENTIAL CONTROL OF CONFIDENT CONTROL OF CONFIDENT CONTROL OF CONTROL				3T	(F	art 1 o	f 4)	MECH-1C
Project Name	***********	**************************************	contractory	HOMEODOCO	000000000000000000000000000000000000000	······································	COCCURRENCE CONTRACTOR	Date
BCSD School Building A				******	7	T Tabel (ond, Floor Area	1/5/2012 Addition Floor Area
Project Address Bakersfield	***********	***************************************	CIII	mate	Zone 13	5	34,002	n/a
GENERAL INFORMATION	10727701307014	90000000000000000000000000000000000000	WALLES WAS THE CO.	*********	000000000000000000000000000000000000000		***************************************	
Building Type:	1 Nor	residential)	High-Rise Resident	ial D		
☐ Schools (Public School) □	1 Rel	ocatable Public S	School Blo	dg.	Conditioned	d Spaces	(affidar	ditioned Spaces vit)
Phase of Construction.	Nev 1	Construction	C		Addition	O	Alteration	
Approach of Compliance.	1 Cor	nponent			Overall Envelope T Energy	DV 🗀	Unconditione	d (file affidavit)
Front Orientation: N, E, S W or in	Degre	es. Odeg						
HVAC SYSTEM DETAILS						FIELD INS	SPECTION ENE	RGY CHECKLIST
					:	Mee	is Criteria or P	lequirements
Equipment ²		<u>In</u>	spection	Cri	terla	Pass	Fail - D	escribe Reason ²
Item or System Tags (i.e. AC-1, RTU-1, HP-1)		AC A10						
Equipment Type ³ :		Packaged DX						
Number of Systems		1						
Max Allowed Heating Capacity ¹	***********	50,000 Btu/hr						
Minimum Heating Efficiency ¹		81% AFUE						
Max Allowed Cooling Capacity ¹	***************************************	36,500 Btu/hr						
Cooling Efficiency ¹		15.0 SEER /	12.5 EEF	7				
Duct Location/ R-Value		Attic, Roof Ins	14.2			D		
When duct testing is required, sub MECH-4A & MECH-4-HERS	mit	No				0		<u> </u>
Economizer		Diff. Temp (In	tegrated	<u>() </u>				
Thermostat		Setback Requ	iired					
Fan Control		Constant Volu	ıme	******	***************************************			
						FIELD IN	SPECTION ENE	RGY CHECKLIST
Equipment ²		- In	spection	Cri	teria	Pass	Fall - D	escribe Reason ²
Item or System Tags (i.e. AC-1, RTU-1, HP-1)		AC A11						
Equipment Type ³ :		Packaged DX	···· ·································	*********				О
Number of Systems		1	~~~					
Max Allowed Heating Capacity ¹	**********	103,000 Btu/f	nr.					
Minimum Heating Efficiency ¹		82% AFUE						
Max Allowed Cooling Capacity ¹		91,400 Btu/hr				0		<u> </u>
Cooking Efficiency ¹		12.0 EER						
Duct Location/ R-Value		Attic, Roof In:	3/4.2					<u> </u>
When duct testing is required, sut MECH-4A & MECH-4-HERS	omit	No						П
Economizer		Diff, Temp (In	tegrated	1)	AA			<u> </u>
Thermostat		Setback Requ	iired			0		<u> </u>
Fan Control		Constant Volt	ıme					

EnergyPro 5.1 by EnergySoft User Number, 5232 RunCode; 2012-01-05T12:01:10 ID: 09091 Page 26 of 44

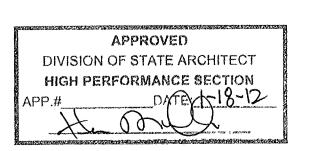
Project Name					Date 1/5/2012
BCSD School Building A Project Address		Climate Zone	Total Cond	Floor Area	Addition Floor Arc
Bakersfield		13	34,		n/a
GENERAL INFORMATION			and a second	***************************************	
Building Type: 50 No	nresidential	High-Rise Residen	tial 🗀 Ho	itel/Motel G	uest Room
***************************************	locatable Public School	l Bldg. 🖾 Conditione	d Spaces		ditioned Spaces
·		☐ Addition		(affidate	/! !)
	w Construction	Overall Envelope	·····	***************************************	
Approach of Compliance Co	mponent	Energy	- D U	nconditione	d (file affidavit)
Front Orientation: N, E, S, W or in Degree	es: O deg				
HVAC SYSTEM DETAILS			FIELD INSPE	CTION ENE	RGY CHECKLIST
			Meets C	riterla or H	equirements
Equipment ²	Inspec	tion Criteria	Pass	Fail - D	escribe Reason
Item or System Tags	AC A12				
(i.e. AC-1, RTU-1, HP-1)	Packaged DX				
Equipment Type ³ .	1			·	
Number of Systems	50,000 Btu/hr		<u>-</u>		ā
Max Allowed Heating Capacity	81% AFUE		 	·	_
Minimum Heating Efficiency		***************************************			
Max Allowed Cooling Capacity ¹	36,500 Btu/hr				<u> </u>
Cooling Efficiency ¹	15.0 SEER / 12.5	***************************************	1 0		<u>~_</u>
Duct Location/ R-Value When duct testing is required, submit	Attic, Roof Ins / 4.	<u></u>			
MECH-4A & MECH-4-HERS	No				
Economizer	Diff. Temp (Integra	ated)			<u> </u>
Thermostat	Setback Required		<u> </u>		<u> </u>
Fan Control	Constant Volume				
			FIELD INSPE	CTION ENE	RGY CHECKLIST
Equipment ²	Inspec	tion Criteria	Pass	Fall - D	escribe Reason
Item or System Tags					
(i.e. AC-1, RTU-1, HP-1)	AC A13		t		
Equipment Type ³ :	Packaged DX			-	
Number of Systems	251,000 Btu/hr		1 0		
Max Allowed Heating Capacity ¹	81% TE				
Minimum Heating Efficiency	244,600 Btu/hr		† - 		Ö
Max Allowed Cooling Capacity				-	<u>_</u>
Cooling Efficiency ¹	12.0 EER Attic, Roof Ins / 4.	2		-	0
Duct Location/ R-Value When duct testing is required, submit	Auto, roor ins / 4.	<u> </u>		-	
MECH-4A & MECH-4-HERS	No		<u> </u>		<u> </u>
Economizer	Diff. Temp (Integra	ated)	О		<u> </u>
Thermostat	Setback Required				О
Fan Control	Constant Volume				
If the Actual installed equipment performant the building plans) the responsible party state. For additional detailed discrepancy use Party.	nall resubmit energy comp	bliance to include the new cha	inges		ibmittal or from

CERTIFICATE OF COMPLIANCE and FIELD INSPECTION ENERGY CHECKLIST	(Part 2 of 4)	MECH-1C
Project Name BCSD School Building A		Date 1/5/2012
Discrepancies:		
		ndprojentersertendpropologiste was ordered as a sea ordered in the contract of
	p.,, a.	
And Andread An		
		Medharharaa asaasaannyayyy

	* *************************************	
		······································

EnergyPro 5.1 by EnergySoft User Number, 5232 RunCode: 2012-01-05	12:01:10 ID: 09091	Page 28 of 44

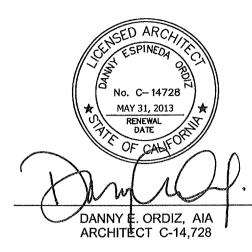
Project Name BCSD School Building A										Date	5/2012
Required Acceptance Tests	NYTHOO ORON OCCUPATION OF THE PROPERTY OF THE		***************************************	*********************		mm-1070000000000000000000000000000000000		-		1/5	72012
•											
Designer: This form is to be used by the designer aboxes by all acceptance tests that apply the number of systems. The NA number part of the plans, completion of this section.	and liste designa	ed all equipmen tes the Section	it that requires in the Appen	an acceptan	ce test. If all e residential Re	equipment of eference App	a certain typ endices Mar	e requires a	test, list the e	quipment des	cription and
Building Departments: Systems Acceptance: Before occupant ormal use, all control devices serving the Systems Acceptance: Before occupant. The MECH-1C form is not considered a person performing the test (Example: High checked-off forms are required for ALL, is specifications, installation, certificates, a properly filled out and signed forms before	te buildit by permi complete VAC inst newly inst nd opera	ng or space sha t is granted. All ed form and is i aller. TAB conti stalled equipme ating and maint	all be certified newly installe not to be acce ractor, control ent, in addition enance inform	as meeting the HVAC equipped by the by the best contractor, is a Certificate that in the best contractor, in a Certificate that is a	ne Acceptance pment must b uilding depart PE in charge of of Acceptance	e Requireme le tested usir ment unless of project) ar e forms shall	nts for Code ng the Accep the correct b nd what Acce be submitted	Compliance tance Required to the complete tance test representation of the control of the contro	rements. ecked. The ec nust be condi ling departme	quipment requ ucted. The foll ent that certifie	uring testing, lowing is plans,
Troparty inied dat and signed tottlis belo	16 119 0	many can rece	TIVE III AL OCCU	pancy.		·····			·····	***************************************	***************************************
TEST DESCRIPTION		MECH-2A Outdoor Ventilation For	MECH-3A Constant Volume & Single-Zone	MECH-4A Air Distribution	MECH-5A Economizer	MECH-6A Demand Control Ventilation	MECH-7A Supply Fan	MECH-8A Valve Leakage	MECH-9A Supply Water Temp.	MECH-10A Hydronic System Variable Flow	MECH-11A Autometic Demand Shed
Equipment Requiring Testing or Verification	Qty.	Outdoor Ventilation For VAV & CAV	Constant Volume & Single-Zone Unitary	Air Distribution Ducts	Economizer Controls	Demand Control Ventilation DCV	Supply Fan VAV	Valve Leakage Test	Supply Water Temp. Heset	Hydronic System Variable Flow Control	Autometic Demand Shed Control
Equipment Requiring Testing or Verification Carrier 48HCD17 VAV (horizonfal)	Qty.	Outdoor Ventilation For VAV & CAV	Constant Volume & Single-Zone Unitary	Air Distribution Ducts	Economizer Controls	Demand Control Ventilation DCV	Supply Fan VAV Ø	Valve Leakage Test	Supply Water Temp. Heset	Hydronic System Variable Flow Control	Automatic Demand Shed Control
Equipment Requiring Testing or Verification Carrier 48HCD17 VAV (horizonfal) Carrier 48HCD08 CV		Outdoor Ventilation For VAV & CAV	Constant Volume & Single-Zone Unitary	Air Distribution Ducts	Economizer Controls	Demand Control Ventilation DCV	Supply Fan VAV	Valve Leakage Test	Supply Water Temp. Heset	Hydronic System Variable Flow Control	Autometic Demand Shed Control
Equipment Requiring Testing or Verification Carrier 48HCD17 VAV (horizonfal) Carrier 48HCD08 CV Carrier 48HCD14 CV		Outdoor Ventilation For VAV & CAV Ø3	Constant Volume & Single-Zone Unitary	Air Distribution Ducts	Economizer Controls [2]	Demand Control Ventilation DCV Ø	Supply Fan VAV Ø	Valve Leakage Test	Supply Water Temp. Heset	Hydronic System Variable Flow Control	Automatic Demand Shed Control [2]
Equipment Requiring Testing or Verification Carrier 48HCD17 VAV (horizonfal) Carrier 48HCD08 CV Carrier 48HCD14 CV Carrier 48HCD09 CV		Outdoor Ventilation For VAV & CAV 521 521	Constant Volume & Single-Zone Unitary III	Air Distribution Ducts	Economizer Controls [2] [2]	Demand Control Ventilation DCV Ø	Supply Fan VAV Ø	Valve Leakage Test	Supply Water Temp. Heset	Hydronic System Variable Flow Control	Automatic Demand Shed Control [2] [2]
Equipment Requiring Testing or Ventication Carrier 48HCD17 VAV (horizonfal) Carrier 48HCD08 CV Carrier 48HCD14 CV Carrier 48HCD09 CV Carrier 48HCD07 CV		Outdoor Ventilation For VAV & CAV \$21 \$21 \$21	Constant Volume & Single-Zone Unitary	Air Distribution Ducts	Economizer Controls [2] [2]	Demand Control Ventilation DCV \$21 22	Supply Fan VAV Ø	Valve Leakage Test	Supply Water Temp. Heset	Hydronic System Variable Flow Control	Automatic Demand Shed Control [2] [2]
Equipment Requiring Testing or Verification Carrier 48HCD17 VAV (horizonfal) Carrier 48HCD08 CV Carrier 48HCD09 CV Carrier 48HCD07 CV Carrier 48HCD07 CV Carrier 48HCL05 CV		Outdoor Ventilation For VAV & CAV Ø2 Ø2 Ø2	Constant Volume & Single-Zone Unitary	Air Distribution Ducts	Economizer Controls ZI ZZ ZZ ZZ	Demand Control Ventilation DCV Z Z Z	Supply Fan VAV Ø	Valve Leakage Test	Supply Water Temp. Heset	Hydronic System Variable Flow Control	Automatic Demand Shed Control [2] [2] [2] [2] [2] [2]
Equipment Requiring Testing or Verification Carrier 48HCD17 VAV (horizonfal) Carrier 48HCD08 CV Carrier 48HCD09 CV Carrier 48HCD07 CV Carrier 48HCL05 CV Carrier 48HCD07 VAV	4 2 1 1 1	Outdoor Ventilation For VAV & CAV	Constant Volume & Single-Zone Unitary	Air Distribution Ducts	Economizer Controls Z Z Z Z Z Z Z Z Z Z	Demand Control Ventilation DCV	Supply Fan VAV Ø	Valve Leakage Test	Supply Water Temp. Heset	Hydronic System Variable Flow Control	Automatic Demand Shed Control Z Z Z Z Z Z Z
Equipment Requiring Testing or Ventication Carrier 48HCD17 VAV (horizonfal) Carrier 48HCD18 CV Carrier 48HCD14 CV Carrier 48HCD09 CV Carrier 48HCD07 CV Carrier 48HCD07 CV Carrier 48HCD17 VAV Carrier 48HCD07 CV	4 2 1 1 1	Outdoor Ventilation For VAV & CAV Z Z Z Z Z Z Z Z Z Z Z Z Z	Constant Volume & Single-Zone Unitary	Air Distribution Oucts	Economizer Controls Z Z Z Z Z Z Z Z Z Z Z Z Z	Demand Control Ventilation DCV Z Z Z Z Z Z Z Z Z Z Z Z Z	Supply Fan VAV Ø □ □ □ □ □ □ □ □ □ □	Valve Leakage Test □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	Supply Water Temp. Heset □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	Hydronic System Variable Flow Control	Automatic Demand Shed Control Z Z Z Z Z Z Z Z Z Z Z Z
Equipment Requiring Testing or Ventication Carrier 48HCD17 VAV (horizontal) Carrier 48HCD18 CV Carrier 48HCD14 CV Carrier 48HCD09 CV Carrier 48HCD07 CV Carrier 48HCD08 CV	4 2 1 1 1	Outdoor Ventilation For VAV & CAV Z Z Z Z Z Z Z Z Z Z Z Z Z	Constant Volume & Single-Zone Unilary	Air Distribution Oucts	Economizer Controls Z Z Z Z Z Z Z Z Z Z Z Z Z	Demand Control Ventilation DCV	Supply Fan VAV	Valve Leakage Test □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	Supply Water Temp. Heset	Hydronic System Variable Flow Control	Automatic Demand Shed Control
Equipment Requiring Testing or Verification Carrier 48HCD17 VAV (horizonfal) Carrier 48HCD08 CV Carrier 48HCD09 CV Carrier 48HCD09 CV Carrier 48HCD07 CV Carrier 48HCD08 CV Carrier 48HCD08 CV Carrier 48HCD08 CV	1 1 1 1 2 1 1	Outdoor Ventilation For VAV & CAV Ø2 Ø2 Ø2 Ø2 Ø2 Ø2 Ø2 Ø2 Ø2 Ø	Constant Volume & Single-Zone Uniltary	Air Distribution Ducts	Economizer Controls Z Z Z Z Z Z Z Z Z Z Z Z Z	Demand Control Ventilation DCV	Supply Fan VAV Ø □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	Valve Leakage Test	Supply Water Temp. Heset	Hydronic System Variable Flow Control	Automatic Demand Shed Control
Equipment Requiring Testing or Ventication Carrier 48HCD17 VAV (horizonfal) Carrier 48HCD08 CV Carrier 48HCD09 CV Carrier 48HCD09 CV Carrier 48HCD07 CV Carrier 48HCD08 CV Carrier 48HCD08 CV Carrier 48HCL04 CV	1 1 1 1 2 1 1	Outdoor Ventilation For VAV & CAV Ø2 Ø2 Ø2 Ø2 Ø2 Ø2 Ø2 Ø2 Ø2 Ø	Constant Volume & Single-Zone Unitary	Air Distribution Ducts	Economizer Controls Z Z Z Z Z Z Z Z Z Z Z Z Z	Demand Control Ventilation DCV Z Z Z Z Z Z Z Z Z Z Z Z Z	Supply Fan VAV	Valve Leakage Test	Supply Water Temp. Heset	Hydronic System Variable Flow Control	Automatic Demand Shed Control
TEST DESCRIPTION Equipment Requiring Testing or Ventication Carrier 48HCD17 VAV (horizontal) Carrier 48HCD18 CV Carrier 48HCD14 CV Carrier 48HCD09 CV Carrier 48HCD07 CV Carrier 48HCD17 VAV Carrier 48HCD07 CV Carrier 48HCD07 CV Carrier 48HCD07 CV Carrier 48HCD07 CV Carrier 48HCD08 CV Carrier 48HCD08 CV Carrier 48HCD08 CV Carrier 48HCD04 CV Carrier 48HCD04 CV Carrier 48HCD04 CV	1 1 1 1 2 1 1	Outdoor Ventilation For VAV & CAV	Constant Volume & Single-Zone Unitary	Air Distribution Ducts	Economizer Controls Z Z Z Z Z Z Z Z Z Z Z Z Z	Demand Control Ventilation DCV Z Z Z Z Z Z Z Z Z Z Z Z Z	Supply Fan VAV	Valve Leakage Test	Supply Water Temp. Heset □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	Hydronic System Variable Flow Control	Automatic Demand Shed Control







ARCHITECTS, INC. 5500 MING AVENUE SUITE 280 BAKERSFIELD, CALIFORNIA 93309 (661) 832-5258 TELEPHONE (661) 832-4291 **FACSIMILE**



WILLIAM J. MELBY, AIA ARCHITECT C-16,835

IDENTIFICATION STAMP DIVISION OF STATE ARCHITECT OFFICE OF REGULATION SERVICES APPL. #:02-112027 FILE #:_,1,5-6 PTN # 63321-112

NEW ELEMENTARY SCHOOL

9801 HIGHLAND KNOLLS DR BAKERSFIELD CALIFORNIA 93306

NEW MIDDLE SCHOOL 4115 VINELAND ROAD BAKERSFIELD CALIFORNIA

FOR:

BAKERSFIELD CITY SCHOOL DISTRICT 1300 BAKER STREET

BAKERSFIELD CALIFORNIA 93305

MARK	DATE	DESCRIPTION
\triangle		
<u>.</u>		
<u>(.)</u>		
\triangle		

200101244 CAD DRAWING FILE:

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

THE DRAWINGS, IDEAS, AND DESIGNS REPRESENTED ON THIS SHEET ARE THE PROPERTY OF THE ARCHITECT. COPYRIGHT ORDIZ-MELBY ARCHITECTS, INC. 2010

SHEET TITLE TITLE 24 **BUILDING "A"**

SHEET IDENTIFICATION NUMBER M-514