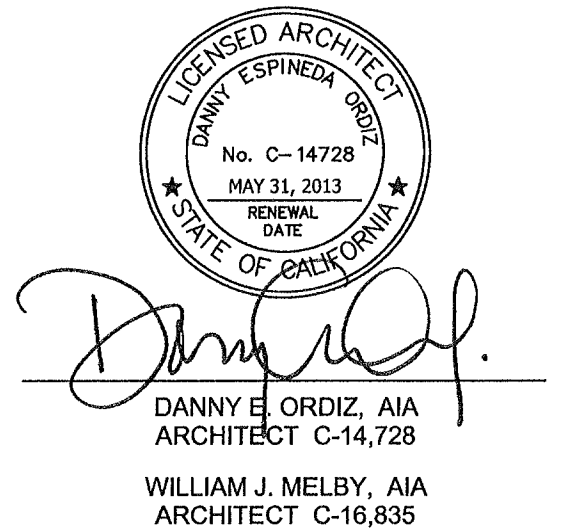


ORDIZ MELBY
ARCHITECTS, INC.
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ARCHITECT C-14728
DIVISION OF STATE ARCHITECT
OFFICE OF REGULATION SERVICES

IDENTIFICATION STAMP
DIVISION OF STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL. #02-112027
FILE # 15-6
DATE 11/12/12
PTN # 63321-112

NEW ELEMENTARY SCHOOL
9801 HIGHLAND KNOLLS DR
BAKERSFIELD CALIFORNIA 93306
NEW MIDDLE SCHOOL
4115 VINLAND ROAD
BAKERSFIELD CALIFORNIA 93306

FOR:
BAKERSFIELD CITY SCHOOL DISTRICT
1300 BAKER STREET
BAKERSFIELD CALIFORNIA 93305

PERFORMANCE CERTIFICATE OF COMPLIANCE (Part 1 of 3) PERF-1C
Project Name: BCSO School Building N Classrooms
Date: 1/5/2012
Climate Zone: 13
Total Gross Floor Area: 16,628
Addition Floor Area: n/a

GENERAL INFORMATION
Building Type: Nonresidential High-Rise Residential Hotel/Motel Guest Room
 Schools (Public School) Recreational Public School Conditioned Spaces Unconditioned Spaces
Phase of Construction: New Construction Addition Alteration

STATEMENT OF COMPLIANCE
This certificate of compliance lists the building features and specifications needed to comply with Title 24, Parts 1 and 6 of the California Code of Regulations. This certificate applies only to a building using the performance approach.

Documentation Author
Name: Maup Baskin
Signature: [Signature]
Date: 1/5/2012
Title: 1/5/12

Principal Envelope Designer
Name: Maup Baskin, P.E., LEED AP
Signature: [Signature]
Date: 1/5/12
Title: 1/5/12

Principal Mechanical Designer
Name: Maup Baskin, P.E., LEED AP
Signature: [Signature]
Date: 1/5/12
Title: 1/5/12

Principal Lighting Designer
Name: Maup Baskin, P.E., LEED AP
Signature: [Signature]
Date: 1/5/12
Title: 1/5/12

PERFORMANCE CERTIFICATE OF COMPLIANCE (Part 2 of 3) PERF-1C
Project Name: BCSO School Building N Classrooms
Date: 1/5/2012
Climate Zone: 13
Total Gross Floor Area: 16,628
Addition Floor Area: n/a

ANNUAL TYPICAL ENERGY USE SUMMARY (kBtu/sq-ft)

Energy Component	Standard Design	Proposed Design	Compliance Margin	Heating	Cooling
Space Heating	5.26	1.57	7.19		
Space Cooling	130.00	9.28	37.34		
Interior Fans	49.00	0.00	36.47		
Heat Rejection	0.00	0.00	0.00		
Pumps & Water	0.25	0.00	0.25		
Domestic Hot Water	409.77	9.77	9.00		
Lighting	73.80	29.47	44.34		
Receptacle	58.00	58.00	0.00		
Process	0.00	0.00	0.00		
Process Lighting	0.00	0.00	0.00		
TOTALS	393.25	70.69	142.73		
Percent better than Standard		49.4%	48.4% (including process)		

BUILDING COMPLEXES

Subtype Information	Conditioned Floor Area	Unconditioned Floor Area
Number of Stories	1	16,628 sqft
Number of Systems	5	Conditioned Footprint Area
Number of Zones	21	Natural Gas Available On Site

FIELD INSPECTION ENERGY CHECKLIST

Orientation	Gross Area	Glazing Area	Glazing Ratio
Front Elevation	09	3,979	0.03
Left Elevation	03	3,720	0.03
Right Elevation	09	3,720	0.03
Roof	Total	6,892	10.1%

Prescriptive Values for Compliance:
Prescriptive Lighting Power Density: 1.150 W/sqft. Proposed: 0.971 W/sqft.
Prescriptive Envelope TDV Energy: 475.023. Proposed: 305.890.

PERFORMANCE CERTIFICATE OF COMPLIANCE (Part 3 of 3) PERF-1C
Project Name: BCSO School Building N Classrooms
Date: 1/5/2012
Climate Zone: 13
Total Gross Floor Area: 16,628
Addition Floor Area: n/a

EXCEPTIONAL CONDITIONS COMPLIANCE CHECKLIST
This local enforcement agency has special attention to the items specified in this checklist. These items require special written justification and documentation, and special verification to be used with the performance approach. The local enforcement agency determines the adequacy of the justification, and may reject a building or design that otherwise complies based on the adequacy of the special justification and documentation submitted.

EXCEPTIONAL CONDITIONS COMPLIANCE CHECKLIST
This local enforcement agency has special attention to the items specified in this checklist. These items require special written justification and documentation, and special verification to be used with the performance approach. The local enforcement agency determines the adequacy of the justification, and may reject a building or design that otherwise complies based on the adequacy of the special justification and documentation submitted.

CERTIFICATE OF COMPLIANCE AND FIELD INSPECTION ENERGY CHECKLIST (Part 1 of 3) ENV-1C
Project Name: BCSO School Building N Classrooms
Date: 1/5/2012
Climate Zone: 13
Total Gross Floor Area: 16,628
Addition Floor Area: n/a

GENERAL INFORMATION
Building Type: Nonresidential High-Rise Residential Hotel/Motel Guest Room
 Schools (Public School) Recreational Public School Conditioned Spaces Unconditioned Spaces
Phase of Construction: New Construction Addition Alteration

FIELD INSPECTION ENERGY CHECKLIST

TagID	Assembly Type	Area (ft²)	U-Value	R-Value	Insulation	Glazing	Shading	Condition	Pass	Fail
1	Roof	892	0.026	38.6	None	None	None	4.2, 2.1	New	<input type="checkbox"/>
2	Roof	334	0.088	R-21	None	None	None	4.2, 1.4	New	<input type="checkbox"/>
3	Door	42	0.550	None	None	None	None	4.5, 1.4	New	<input type="checkbox"/>
4	Door	274	0.650	R-21	None	None	None	4.5, 1.4	New	<input type="checkbox"/>
5	Roof	874	0.026	None	None	None	None	4.2, 2.1	New	<input type="checkbox"/>
6	Roof	282	0.026	None	None	None	None	4.2, 2.1	New	<input type="checkbox"/>
7	Roof	189	0.026	R-21	None	None	None	4.2, 2.1	New	<input type="checkbox"/>
8	Roof	263	0.026	None	None	None	None	4.2, 2.1	New	<input type="checkbox"/>
9	Roof	501	0.026	None	None	None	None	4.2, 2.1	New	<input type="checkbox"/>
10	Roof	303	0.026	R-21	None	None	None	4.2, 2.1	New	<input type="checkbox"/>

FENESTRATION SURFACE DETAILS

TagID	Fenestration Type	Area (ft²)	U-Value	R-Value	Shading	Condition	Pass	Fail
1	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
2	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
3	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
4	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
5	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
6	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
7	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
8	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
9	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
10	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>

CERTIFICATE OF COMPLIANCE AND FIELD INSPECTION ENERGY CHECKLIST (Part 1 of 3) ENV-1C
Project Name: BCSO School Building N Classrooms
Date: 1/5/2012
Climate Zone: 13
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Addition Floor Area: n/a

GENERAL INFORMATION
Building Type: Nonresidential High-Rise Residential Hotel/Motel Guest Room
 Schools (Public School) Recreational Public School Conditioned Spaces Unconditioned Spaces
Phase of Construction: New Construction Addition Alteration

FIELD INSPECTION ENERGY CHECKLIST

TagID	Assembly Type	Area (ft²)	U-Value	R-Value	Insulation	Glazing	Shading	Condition	Pass	Fail
11	Door	42	0.550	None	None	None	None	4.5, 1.4	New	<input type="checkbox"/>
12	Door	274	0.650	None	None	None	None	4.5, 1.4	New	<input type="checkbox"/>
13	Door	274	0.650	R-21	None	None	None	4.5, 1.4	New	<input type="checkbox"/>
14	Door	334	0.088	R-21	None	None	None	4.2, 2.1	New	<input type="checkbox"/>
15	Door	42	0.550	None	None	None	None	4.5, 1.4	New	<input type="checkbox"/>
16	Door	274	0.650	None	None	None	None	4.5, 1.4	New	<input type="checkbox"/>
17	Door	42	0.550	None	None	None	None	4.5, 1.4	New	<input type="checkbox"/>
18	Door	274	0.650	R-21	None	None	None	4.5, 1.4	New	<input type="checkbox"/>
19	Door	42	0.550	None	None	None	None	4.5, 1.4	New	<input type="checkbox"/>
20	Door	274	0.650	R-21	None	None	None	4.5, 1.4	New	<input type="checkbox"/>

FENESTRATION SURFACE DETAILS

TagID	Fenestration Type	Area (ft²)	U-Value	R-Value	Shading	Condition	Pass	Fail
11	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
12	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
13	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
14	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
15	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
16	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
17	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
18	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
19	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
20	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>

CERTIFICATE OF COMPLIANCE AND FIELD INSPECTION ENERGY CHECKLIST (Part 1 of 3) ENV-1C
Project Name: BCSO School Building N Classrooms
Date: 1/5/2012
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Addition Floor Area: n/a

GENERAL INFORMATION
Building Type: Nonresidential High-Rise Residential Hotel/Motel Guest Room
 Schools (Public School) Recreational Public School Conditioned Spaces Unconditioned Spaces
Phase of Construction: New Construction Addition Alteration

FIELD INSPECTION ENERGY CHECKLIST

TagID	Assembly Type	Area (ft²)	U-Value	R-Value	Insulation	Glazing	Shading	Condition	Pass	Fail
21	Roof	246	0.026	None	None	None	None	4.2, 2.1	New	<input type="checkbox"/>
22	Roof	246	0.026	None	None	None	None	4.2, 2.1	New	<input type="checkbox"/>
23	Roof	246	0.026	None	None	None	None	4.2, 2.1	New	<input type="checkbox"/>
24	Roof	246	0.026	R-21	None	None	None	4.2, 2.1	New	<input type="checkbox"/>
25	Roof	991	0.026	None	None	None	None	4.2, 2.1	New	<input type="checkbox"/>
26	Roof	344	0.026	None	None	None	None	4.2, 2.1	New	<input type="checkbox"/>
27	Roof	991	0.026	None	None	None	None	4.2, 2.1	New	<input type="checkbox"/>
28	Roof	344	0.026	R-21	None	None	None	4.2, 2.1	New	<input type="checkbox"/>
29	Roof	892	0.026	None	None	None	None	4.2, 2.1	New	<input type="checkbox"/>
30	Roof	42	0.550	None	None	None	None	4.5, 1.4	New	<input type="checkbox"/>
30	Roof	334	0.088	R-21	None	None	None	4.2, 2.1	New	<input type="checkbox"/>

FENESTRATION SURFACE DETAILS

TagID	Fenestration Type	Area (ft²)	U-Value	R-Value	Shading	Condition	Pass	Fail
21	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
22	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
23	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
24	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
25	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
26	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
27	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
28	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
29	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
30	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>

CERTIFICATE OF COMPLIANCE AND FIELD INSPECTION ENERGY CHECKLIST (Part 1 of 3) ENV-1C
Project Name: BCSO School Building N Classrooms
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FIELD INSPECTION ENERGY CHECKLIST

TagID	Assembly Type	Area (ft²)	U-Value	R-Value	Insulation	Glazing	Shading	Condition	Pass	Fail
31	Door	42	0.550	None	None	None	None	4.5, 1.4	New	<input type="checkbox"/>
32	Door	274	0.650	None	None	None	None	4.5, 1.4	New	<input type="checkbox"/>
33	Door	274	0.650	R-21	None	None	None	4.5, 1.4	New	<input type="checkbox"/>
34	Door	334	0.088	R-21	None	None	None	4.2, 2.1	New	<input type="checkbox"/>
35	Door	42	0.550	None	None	None	None	4.5, 1.4	New	<input type="checkbox"/>
36	Door	274	0.650	None	None	None	None	4.5, 1.4	New	<input type="checkbox"/>
37	Door	42	0.550	None	None	None	None	4.5, 1.4	New	<input type="checkbox"/>
38	Door	274	0.650	R-21	None	None	None	4.5, 1.4	New	<input type="checkbox"/>
39	Door	42	0.550	None	None	None	None	4.5, 1.4	New	<input type="checkbox"/>
40	Door	274	0.650	R-21	None	None	None	4.5, 1.4	New	<input type="checkbox"/>

FENESTRATION SURFACE DETAILS

TagID	Fenestration Type	Area (ft²)	U-Value	R-Value	Shading	Condition	Pass	Fail
31	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
32	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
33	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
34	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
35	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
36	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
37	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
38	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
39	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>
40	Window	12	0.650	None	None	None	<input type="checkbox"/>	<input type="checkbox"/>