CERTIFICATE OF COMPLIANCE (Part 1 of 2) ENV-1-C

PROJECT NAME: Calvery Chapel
DATE: 3/22/2007
PROJECT ADDRESS: 14740 Eucalyotus Hesperia
Building Permit #:
PRINCIPAL DESIGNER - ENVELOPE: Brian R Bloom Architect
TELEPHONE: (909) 390 7209
DOCUMENTATION AUTHOR: California Engineering Design Group
TELEPHONE: (818) 566-7755
Checked by/Date Enforcement Agency Use

GENERAL INFORMATION

DATE OF PLANS: 05/17/06
BUILDING CONDITIONED FLOOR AREA: 13,974 Sq.Ft.
CLIMATE ZONE: 14

BUILDING TYPE: [X] NONRESIDENTIAL [ ] HIGH RISE RESIDENTIAL [ ] HOTEL/MOTEL GUEST ROOM [ ] RELOCATABLE- Indicate: Specific Climate - Rst.____, or [ ] All Climates

PHASE OF CONSTRUCTION: [X] NEW CONSTRUCTION [ ] ADDITION [ ] ALTERATION [ ] UNCONDITIONED(File Affidavit)

METHOD OF ENVELOPE COMPLIANCE: [ ] COMPONENT(ENV-2-C) [X] OVERALL ENVELOPE(ENV-3-C) [ ] PERFORMANCE

STATEMENT OF COMPLIANCE

This Certificate of Compliance lists the building features and performance specifications needed to comply with Title 24, Parts 1 and 6 of the California Code of Regulations. This certificate applies only to building envelope requirements.

The documentation preparer hereby certifies that the document is accurate and complete.

DOCUMENTATION AUTHOR	SIGNATURE	DATE
Benjie Collantes		

The Principal Envelope Designer hereby certifies that the proposed building design represented in this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other calculations submitted with this permit application. The proposed building has been designed to meet the envelope requirements contained in Sections 110, 116 through 119, and 140, 142, 143 or 149 of Title 24, Part 6.

Please check one:

[ ] I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am licensed in the state of California as a civil engineer or mechanical engineer, or I am a licensed architect.

[ ] I affirm that I am eligible under the exemption to Division 3 of the Business and Professions Code by Section 5537.2 or 6737.3 to sign this document as the person responsible for its preparation; and that I am a licensed contractor performing this work.

[ ] I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 5537, 5538, and 6737.1.

PRINCIPAL ENVELOPE DESIGNER - NAME	SIGNATURE	DATE	LIC. #
Brian R Bloom Architect			

ENVELOPE MANDATORY MEASURES

Indicate location on plans of Note Block for Mandatory Measures

ENVELOPE COMPLIANCE FORMS & WORKSHEETS (Check box if worksheet is included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, please refer to the Nonresidential Manual published by the California Energy Commission.

- [X] ENV-1-C: Certificate of Compliance. Required on plans for all submittals. Part 2 may be incorporated in schedules on plans.
- [ ] ENV-2-C: Used Envelope Component compliance method
- [ ] ENV-3-C: Used with Overall Envelope Compliance method
- [ ] ENV-4-C: Optional. Use for minimum skylight requirements for large enclosed spaces

CERTIFICATE OF COMPLIANCE (Part 2 of 2) ENV-1-C

PROJECT NAME: Calvery Chapel
DATE: 3/22/2007

OPAQUE SURFACES

#	Surface Type	Area	U-Fac.	Insulation Cav.	Insulation Cont.	Act. Azm.	Tilt	Cond. Status	Joint Appendix IV Reference	Location / Comments
1	Wall	182	0.065	R-19	R-0.0	270	90	New	09-A7	Classroom 2nd North
2	Wall	258	0.065	R-19	R-0.0	0	90	New	09-A7	Classroom 2nd North
3	Wall	182	0.065	R-19	R-0.0	90	90	New	09-A7	Classroom 2nd North
4	Roof	657	0.032	R-30	R-0.0	0	0	New	01-A17	Classroom 2nd North
5	Wall	333	0.065	R-19	R-0.0	0	90	New	09-A7	Classroom 2nd North
6	Wall	362	0.065	R-19	R-0.0	90	90	New	09-A7	Classroom 2nd North
7	Roof	588	0.032	R-30	R-0.0	0	0	New	01-A17	Classroom 2nd North
8	Wall	95	0.065	R-19	R-0.0	0	90	New	09-A7	Classroom 2nd North
9	Roof	773	0.032	R-30	R-0.0	0	0	New	01-A17	Classroom 2nd North
10	Wall	79	0.065	R-19	R-0.0	270	90	New	09-A7	Classroom 2nd North
11	Wall	79	0.065	R-19	R-0.0	0	90	New	09-A7	Classroom 2nd North
12	Roof	897	0.032	R-30	R-0.0	0	0	New	01-A17	Classroom 2nd North
13	Roof	569	0.032	R-30	R-0.0	0	0	New	01-A17	Classroom 2nd North
14	Wall	362	0.065	R-19	R-0.0	90	90	New	09-A7	Classroom 2nd North
15	Roof	660	0.032	R-30	R-0.0	0	0	New	01-A17	Classroom 213
16	Wall	193	0.065	R-19	R-0.0	0	90	New	09-A7	Classroom 213
17	Wall	193	0.065	R-19	R-0.0	270	90	New	09-A7	Classroom 213
18	Roof	570	0.032	R-30	R-0.0	0	0	New	01-A17	Classroom 203
19	Wall	243	0.065	R-19	R-0.0	270	90	New	09-A7	Classroom 203
20	Wall	236	0.065	R-19	R-0.0	0	90	New	09-A7	Classroom 125/126

* N, E, A, R (New, Existing, Altered, Removed)

FENESTRATION SURFACES

[ ] More than or equal to 10,000 sq.ft. of site-built fenestration area must include a label certificate either issued by NFRC or provide a CEC Default Label Certificate using the default U-factors from Standards Table 116-A and B. Certificate shall be filed in the contractor's project office during construction and in the building manager's office after construction

#	Type	Area	U-Fac[1]	SHGC[2]	Act. Azm.	Cond. Stat.	Glazing Type	Location/ Comments
1	Window Right (W)	30	0.660	116-A 0.60 116-B	270	New	Double Metal Tinted	Classroom 2nd North
2	Window Right (W)	30	0.660	116-A 0.60 116-B	270	New	Double Metal Tinted	Classroom 2nd North
3	Window Front (N)	45	0.660	116-A 0.60 116-B	0	New	Double Metal Tinted	Classroom 2nd North
4	Window Left (E)	30	0.660	116-A 0.60 116-B	90	New	Double Metal Tinted	Classroom 2nd North
5	Window Left (E)	30	0.660	116-A 0.60 116-B	90	New	Double Metal Tinted	Classroom 2nd North
6	Window Front (N)	15	0.660	116-A 0.60 116-B	0	New	Double Metal Tinted	Classroom 2nd North
7	Window Front (N)	15	0.660	116-A 0.60 116-B	0	New	Double Metal Tinted	Classroom 2nd North
8	Window Front (N)	15	0.660	116-A 0.60 116-B	0	New	Double Metal Tinted	Classroom 2nd North
9	Window Left (E)	30	0.660	116-A 0.60 116-B	90	New	Double Metal Tinted	Classroom 2nd North
10	Window Front (N)	15	0.660	116-A 0.60 116-B	0	New	Double Metal Tinted	Classroom 2nd North
11	Window Front (N)	15	0.660	116-A 0.60 116-B	0	New	Double Metal Tinted	Classroom 2nd North
12	Window Front (N)	15	0.660	116-A 0.60 116-B	0	New	Double Metal Tinted	Classroom 2nd North
13	Window Right (W)	54	0.660	116-A 0.60 116-B	270	New	Double Metal Tinted	Classroom 2nd North

(1) U-factor Type: 116-A Default Table from Standards, Table N-1 Default Table from the ACM Manual Appendix, NFRC Labeled value.
(2) SHGC Type: 116-B Default Table from Standards, COG Center of Glass, NFRC Labeled Value

EXTERIOR SHADING

#	Exterior Shade Type	SHGC	Window Hgt.	Window Wd.	Overhang Len.	Overhang Hgt.	Overhang L.Ext.	Overhang R.Ext.	Left Fin Dist.	Left Fin Len.	Left Fin Hgt.	Right Fin Dist.	Right Fin Len.	Right Fin Hgt.
1	None	0.76	4.0	6.0	9.0	1.0	9.0	9.0						
2	None	0.76	4.0	6.0	9.0	1.0	9.0	9.0						
3	None	0.76	4.0	12.0	9.0	1.0	9.0	9.0						
4	None	0.76	4.0	6.0	9.0	1.0	9.0	9.0						
5	None	0.76	4.0	6.0	9.0	1.0	9.0	9.0						
6	None	0.76	4.0	6.0	9.0	1.0	9.0	9.0						
7	None	0.76	4.0	6.0	9.0	1.0	9.0	9.0						
8	None	0.76	4.0	6.0	9.0	1.0	9.0	9.0						
9	None	0.76	4.0	6.0	9.0	1.0	9.0	9.0						
10	None	0.76	4.0	6.0	9.0	1.0	9.0	9.0						
11	None	0.76	4.0	6.0	9.0	1.0	9.0	9.0						
12	None	0.76	4.0	6.0	9.0	1.0	9.0	9.0						
13	None	0.76												

MINIMUM SKYLIGHT AREA FOR LARGE ENCLOSED SPACES

[ ] The proposed building is in climate zones 2 through 15 and contains an enclosed space with floor area greater than 25,000 ft2, a ceiling height greater than 15 feet, and an LPD for general lighting of at least 0.5 W/ft2. See Section 143(c). If this box is checked, ENV-4-C must be filled out, when submitting under the Prescriptive Compliance Approach.

CERTIFICATE OF COMPLIANCE (Part 2 of 2) ENV-1-C

PROJECT NAME: Calvery Chapel
DATE: 3/22/2007

OPAQUE SURFACES

#	Surface Type	Area	U-Fac.	Insulation Cav.	Insulation Cont.	Act. Azm.	Tilt	Cond. Status	Joint Appendix IV Reference	Location / Comments
21	Wall	388	0.065	R-19	R-0.0	270	90	New	09-A7	Classroom 125/126
22	Wall	390	0.065	R-19	R-0.0	0	90	New	09-A7	Classroom 125/126
23	Wall	390	0.065	R-19	R-0.0	90	90	New	09-A7	Classroom 125/126
24	Wall	285	0.065	R-19	R-0.0	270	90	New	09-A7	Classroom112/122
25	Wall	70	0.065	R-19	R-0.0	270	90	New	09-A7	Teachers/Rest Rms
26	Door	2	0.500	None	R-0.0	270	90	New	28-A4	Teachers/Rest Rms
27	Door	2	0.500	None	R-0.0	270	90	New	28-A4	Teachers/Rest Rms
28	Wall	70	0.065	R-19	R-0.0	90	90	New	09-A7	Teachers/Rest Rms
29	Door	2	0.500	None	R-0.0	90	90	New	28-A4	Teachers/Rest Rms
30	Door	2	0.500	None	R-0.0	90	90	New	28-A4	Teachers/Rest Rms
31	Wall	198	0.065	R-19	R-0.0	90	90	New	09-A7	Teachers/Rest Rms
32	Wall	133	0.065	R-19	R-0.0	90	90	New	09-A7	Fellowship Hall
33	Door	2	0.500	None	R-0.0	90	90	New	28-A4	Fellowship Hall
34	Roof	229	0.032	R-30	R-0.0	0	0	New	01-A17	Fellowship Hall
35	Wall	148	0.065	R-19	R-0.0	180	90	New	09-A7	Fellowship Hall
36	Door	2	0.500	None	R-0.0	180	90	New	28-A4	Fellowship Hall
37	Door	2	0.500	None	R-0.0	180	90	New	28-A4	Fellowship Hall
38	Wall	110	0.065	R-19	R-0.0	270	90	New	09-A7	Fellowship Hall
39	Roof	367	0.032	R-30	R-0.0	0	0	New	01-A17	Fellowship Hall
40	Wall	302	0.065	R-19	R-0.0	180	90	New	09-A7	Fellowship Hall

* N, E, A, R (New, Existing, Altered, Removed)

FENESTRATION SURFACES

[ ] More than or equal to 10,000 sq.ft. of site-built fenestration area must include a label certificate either issued by NFRC or provide a CEC Default Label Certificate using the default U-factors from Standards Table 116-A and B. Certificate shall be filed in the contractor's project office during construction and in the building manager's office after construction

#	Type	Area	U-Fac[1]	SHGC[2]	Act. Azm.	Cond. Stat.	Glazing Type	Location/ Comments
14	Window Front (N)	54	0.660	116-A 0.60 116-B	0	New	Double Metal Tinted	Classroom 2nd North
15	Window Left (E)	30	0.660	116-A 0.60 116-B	90	New	Double Metal Tinted	Classroom 2nd North
16	Window Left (E)	30	0.660	116-A 0.60 116-B	90	New	Double Metal Tinted	Classroom 2nd North
17	Window Front (N)	15	0.660	116-A 0.60 116-B	0	New	Double Metal Tinted	Classroom 213
18	Window Front (N)	15	0.660	116-A 0.60 116-B	0	New	Double Metal Tinted	Classroom 213
19	Window Front (N)	15	0.660	116-A 0.60 116-B	0	New	Double Metal Tinted	Classroom 213
20	Window Right (W)	30	0.660	116-A 0.60 116-B	270	New	Double Metal Tinted	Classroom 213
21	Window Right (W)	30	0.660	116-A 0.60 116-B	270	New	Double Metal Tinted	Classroom 213
22	Window Right (W)	30	0.660	116-A 0.60 116-B	270	New	Double Metal Tinted	Classroom 203
23	Window Right (W)	30	0.660	116-A 0.60 116-B	270	New	Double Metal Tinted	Classroom 203
24	Window Front (N)	30	0.660	116-A 0.60 116-B	0	New	Double Metal Tinted	Classroom 125/126
25	Window Right (W)	30	0.660	116-A 0.60 116-B	270	New	Double Metal Tinted	Classroom 125/126
26	Window Right (W)	30	0.660	116-A 0.60 116-B	270	New	Double Metal Tinted	Classroom 125/126

(1) U-factor Type: 116-A Default Table from Standards, Table N-1 Default Table from the ACM Manual Appendix, NFRC Labeled value.
(2) SHGC Type: 116-B Default Table from Standards, COG Center of Glass, NFRC Labeled Value

EXTERIOR SHADING

#	Exterior Shade Type	SHGC	Window Hgt.	Window Wd.	Overhang Len.	Overhang Hgt.	Overhang L.Ext.	Overhang R.Ext.	Left Fin Dist.	Left Fin Len.	Left Fin Hgt.	Right Fin Dist.	Right Fin Len.	Right Fin Hgt.
14	None	0.76												
15	None	0.76	4.0	6.0	9.0	1.0	9.0	9.0						
16	None	0.76	4.0	6.0	9.0	1.0	9.0	9.0						
17	None	0.76	4.0	6.0	9.0	1.0	9.0	9.0						
18	None	0.76	4.0	6.0	9.0	1.0	9.0	9.0						
19	None	0.76	4.0	6.0	9.0	1.0	9.0	9.0						
20	None	0.76	4.0	6.0	9.0	1.0	9.0	9.0						
21	None	0.76	4.0	6.0	9.0	1.0	9.0	9.0						
22	None	0.76	4.0	6.0	9.0	1.0	9.0	9.0						
23	None	0.76	4.0	6.0	9.0	1.0	9.0	9.0						
24	None	0.76	4.0	6.0	9.0	1.0	9.0	9.0						
25	None	0.76	4.0	6.0	9.0	1.0	9.0	9.0						
26	None	0.76	4.0	6.0	9.0	1.0	9.0	9.0						

MINIMUM SKYLIGHT AREA FOR LARGE ENCLOSED SPACES

[ ] The proposed building is in climate zones 2 through 15 and contains an enclosed space with floor area greater than 25,000 ft2, a ceiling height greater than 15 feet, and an LPD for general lighting of at least 0.5 W/ft2. See Section 143(c). If this box is checked, ENV-4-C must be filled out, when submitting under the Prescriptive Compliance Approach.

CERTIFICATE OF COMPLIANCE (Part 2 of 2) ENV-1-C

PROJECT NAME: Calvery Chapel
DATE: 3/22/2007

OPAQUE SURFACES

#	Surface Type	Area	U-Fac.	Insulation Cav.	Insulation Cont.	Act. Azm.	Tilt	Cond. Status	Joint Appendix IV Reference	Location / Comments
41	Roof	228	0.032	R-30	R-0.0	0	0	New	01-A17	Fellowship Hall
42	Wall	193	0.065	R-19	R-0.0	180	90	New	09-A7	Fellowship Hall
43	Wall	140	0.065	R-19	R-0.0	90	90	New	09-A7	Fellowship Hall
44	Roof	3,177	0.038	R-30	R-0.0	0	0	New	02-A9	Fellowship Hall
45	Wall	722	0.065	R-19	R-0.0	90	90	New	09-A7	Fellowship Hall
46	Door	2	0.500	None	R-0.0	90	90	New	28-A4	Fellowship Hall
47	Door	2	0.500	None	R-0.0	90	90	New	28-A4	Fellowship Hall
48	Wall	722	0.065	R-19	R-0.0	270	90	New	09-A7	Fellowship Hall
49	Door	2	0.500	None	R-0.0	270	90	New	28-A4	Fellowship Hall
50	Door	2	0.500	None	R-0.0	270	90	New	28-A4	Fellowship Hall

* N, E, A, R (New, Existing, Altered, Removed)

FENESTRATION SURFACES

[ ] More than or equal to 10,000 sq.ft. of site-built fenestration area must include a label certificate either issued by NFRC or provide a CEC Default Label Certificate using the default U-factors from Standards Table 116-A and B. Certificate shall be filed in the contractor's project office during construction and in the building manager's office after construction

#	Type	Area	U-Fac[1]	SHGC[2]	Act. Azm.	Cond. Stat.	Glazing Type	Location/ Comments
27	Window Front (N)	30	0.660	116-A 0.60 116-B	0	New	Double Metal Tinted	Classroom 125/126
28	Window Left (E)	30	0.660	116-A 0.60 116-B	90	New	Double Metal Tinted	Classroom 125/126
29	Window Right (W)	30	0.660	116-A 0.60 116-B	270	New	Double Metal Tinted	Classroom112/122
30	Window Left (E)	24	0.660	116-A 0.60 116-B	90	New	Double Metal Tinted	Fellowship Hall
31	Window Left (E)	24	0.660	116-A 0.60 116-B	90	New	Double Metal Tinted	Fellowship Hall
32	Window Left (E)	24	0.660	116-A 0.60 116-B	90	New	Double Metal Tinted	Fellowship Hall
33	Window Right (W)	24	0.660	116-A 0.60 116-B	270	New	Double Metal Tinted	Fellowship Hall
34	Window Right (W)	24	0.660	116-A 0.60 116-B	270	New	Double Metal Tinted	Fellowship Hall
35	Window Right (W)	24	0.660	116-A 0.60 116-B	270	New	Double Metal Tinted	Fellowship Hall

(1) U-factor Type: 116-A Default Table from Standards, Table N-1 Default Table from the ACM Manual Appendix, NFRC Labeled value.
(2) SHGC Type: 116-B Default Table from Standards, COG Center of Glass, NFRC Labeled Value

EXTERIOR SHADING

#	Exterior Shade Type	SHGC	Window Hgt.	Window Wd.	Overhang Len.	Overhang Hgt.	Overhang L.Ext.	Overhang R.Ext.	Left Fin Dist.	Left Fin Len.	Left Fin Hgt.	Right Fin Dist.	Right Fin Len.	Right Fin Hgt.
27	None	0.76	4.0	6.0	9.0	1.0	9.0	9.0						
28	None	0.76	4.0	6.0	9.0	1.0	9.0	9.0						
29	None	0.76	4.0	6.0	9.0	1.0	9.0	9.0						
30	None	0.76	4.0	18.0	6.0	0.1	6.0	6.0						
31	None	0.76	4.0	18.0	6.0	0.1	6.0	6.0						
32	None	0.76	4.0	18.0	6.0	0.1	6.0	6.0						
33	None	0.76	4.0	18.0	6.0	0.1	6.0	6.0						
34	None	0.76	4.0	18.0	6.0	0.1	6.0	6.0						
35	None	0.76	4.0	18.0	6.0	0.1	6.0	6.0						

MINIMUM SKYLIGHT AREA FOR LARGE ENCLOSED SPACES

[ ] The proposed building is in climate zones 2 through 15 and contains an enclosed space with floor area greater than 25,000 ft2, a ceiling height greater than 15 feet, and an LPD for general lighting of at least 0.5 W/ft2. See Section 143(c). If this box is checked, ENV-4-C must be filled out, when submitting under the Prescriptive Compliance Approach.

TOVEY/ SHULTZ CONSTRUCTION INC.
18261 COLLIER AVE. SUITE "A"
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PHONE (909)471-5677
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DESIGN/BUILD

CONSULTANT

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ARCHITECTURE AND PLANNING

LICENSED ARCHITECT BRETT A. STONE NO. C17047 7/31/07 COMMISSION EXPIRATION STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER GUILLIO G. GATTO III EXP 9-30-08 MECHANICAL STATE OF CALIFORNIA

CEDG
CALIFORNIA ENGINEERING DESIGN GROUP, INC.
2725 West Burbank Blvd.
BURBANK, CA. 91505
(818) 566-7755

PROJECT
CALVARY CHAPEL OF THE HIGH DESERT
14740 EUCALYPTUS
HESPERIA, CA
92345

PROJECT
FELLOWSHIP HALL

ISSUANCES

OWNERS MEETING	03-08-04
PLANNING REVIEW	06-01-06
PLANNING SUBMITTAL	01-31-07
FIRST PLAN CHECK	03-26-07

REVISIONS

WEISER IRON MAR 30 2007 RECEIVED

TITLE
TITLE-24

SCALE

DATE
6-27-06

JOB NO.
260106

M-1.2

CEDG NO. 6478