



DONALD ZIEMER  
AIA  
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Associate AIA  
TODD A JESPERSEN  
AIA  
THIERRY CASSAN  
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KENNETH C KRUGER  
FAIA, RETIRED 1990

DONALD BENSEN  
AIA, RETIRED 2000

FRANK G LA BARGE  
AIA, RETIRED 2001

January 31, 2013

Santa Barbara Unified School District  
720 Santa Barbara Street  
Santa Barbara, CA 93101

Attn: David Hetyonk  
Director Facilities and Operations

Re: Washington Elementary School

Dear Mr. Hetyonk,

Per your request please find our proposal for revising our construction documents to incorporate the addition of a photovoltaic system to the Washington School Library that was submitted to the Division of the State Architect (DSA) for approval.

We have met with Vance Williams of Compass Engineering Corporation to determine installation costs and estimated energy cost savings. Mr. Williams has analyzed your energy consumption at the school over the last 10 years. Mr. Williams estimates \$4,794 annual savings in energy consumption. In addition, Southern California Edison (SCE) has a California Solar Initiative (CSI) that will contribute \$ 2,835 per annum for five years. Mr. Williams projects a 25 year life cycle cost savings of \$275,000.

The estimated construction cost to install the photovoltaic system, including the costs to upgrade the structure, roofing, flashings and attachments is \$92,000.

We estimate 30 to 45 days to make the changes to the construction documents to incorporate the photovoltaic system.

Our fees for redesigning the structure to accommodate the photovoltaic system can be found on "Attachment A".

If you have any questions regarding the enclosed information we would be most happy to meet with you for any further clarification.

Sincerely,

Donald Ziemer, AIA

KRUGER BENSEN ZIEMER ARCHITECTS INC.

Attachment: A  
Job No. 12059B  
File: la



## ATTACHMENT "A"

### WASHINGTON SCHOOL LIBRARY

1.23.13

Architectural and Engineering Fees  
to redesign the existing construction documents to  
incorporate a photovoltaic system

Drawing Sheet Revisions	Hours		
G-002	6		
A-203	20		
A-301	6		
A-302	6		
A-304	8		
A-305	8		
A-306	8		
A-307	4		
A-308	6		
A-309	6		
A-310	6		
A-311	6		
A-903	4		
A-904	4		
A-905	4		
New Detail Sheet	16		
Specifications	24		
	142	Total Hours	
		Ave. Rate	
		140	\$19,880
Architectural	\$19,880		
Structural Engineering	\$8,000		
Electrical Engineering	\$1,500		
Cost Estimating	\$1,200		
Total Fee	\$30,580		

KBZ job number      2012.059 "B"  
File IA



DONALD ZIEMER  
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DONALD BENSEN  
AIA, RETIRED 2000

FRANK C LA BARCE  
AIA, RETIRED 2001

January 31, 2013

Santa Barbara Unified School District  
720 Santa Barbara Street  
Santa Barbara, CA 93101

Attn: David Hetynk  
Director Facilities and Operations

Re: Adams Elementary School

Dear Mr. Hetynk,

Per your request please find our proposal for revising our construction documents to incorporate the addition of a photovoltaic system to the Adams School Library that was submitted to the Division of the State Architect (DSA) for approval.

We have met with Vance Williams of Compass Engineering Corporation to determine installation costs and estimated energy cost savings. Mr. Williams has analyzed your energy consumption at the school over the last 10 years. Mr. Williams estimates \$2,397 annual savings in energy consumption. In addition, Southern California Edison (SCE) has a California Solar Initiative (CSI) that will contribute \$ 2,835 per annum for five years. Mr. Williams projects a 25 year life cycle cost savings of \$144,587.

The estimated construction cost to install the photovoltaic system, including the costs to upgrade the structure, roofing, flashings and attachments is \$98,000.

We estimate 30 to 45 days to make the changes to the construction documents to incorporate the photovoltaic system.

Our fees for redesigning the structure to accommodate the photovoltaic system can be found on "Attachment A".

If you have any questions regarding the enclosed information we would be most happy to meet with you for any further clarification.

Sincerely,

Donald Ziemer, AIA

KRUGER BENSEN ZIEMER ARCHITECTS INC.

Attachment: A  
Job No. 12059A  
File: la



## ATTACHMENT "A"

### ADAMS SCHOOL LIBRARY

1.23.13

Architectural and Engineering Fees  
to redesign the existing construction documents to  
incorporate a photovoltaic system

Drawing Sheet Revisions	Hours			
A-203	48			
A-300	32			
A-301	24			
A-302	24			
A-303	16			
A-304	8			
A-305	8			
New Detail Sheet	16			
Specifications	24			
	200	Total Hours	Ave. Rate 140	\$28,000
Architectural	\$28,000			
Structural Engineering	\$8,000			
Electrical Engineering	\$1,500			
Cost Estimating	\$1,200			
Total Fee	\$38,700			

KBZ job number      2012.059 "A"  
File IA