



THE SCHOOL BOARD OF BREVARD COUNTY

2700 Judge Fran Jamieson Way

Viera, Florida 32940-6601

Phone: (321) 631-1911

Fax: (321) 633-4646

Exhibit "C" – Project Assignment For

RFQ #21-345-Q-DR/ROOF RENEWAL-REPLACEMENT

Apollo Elementary School

Roof Replacement Design

I. PURPOSE

This is a Project Assignment to the Continuing Contract for Professional Services between the **School Board of Brevard County, Florida** (Owner) and **Gale Associates, Inc.** (Consultant) and made a part thereof. The purpose of this Project Assignment is to specify the required services of the Consultant to provide Roof Renewal-Replacement Design when and as authorized by the School Board's Representative, when School Board approval is required in accordance with School Board policy.

II. METHOD OF COMPENSATION

Consultant shall provide a proposal that identifies all costs to be incurred by the Owner for the professional services to be performed, to include a detailed breakdown of material and labor required to complete the Scope of Services detailed in this Project Assignment. All labor and material costs for each project shall be complete and detailed, and shall, without limitation, include and identify the number of hours of work by the title and responsibility of workers/professionals performing the service, while adhering to the Hourly Rate Schedule & Reimbursable Expenses Schedule in Exhibit B to the Agreement for professional services. Payment shall be in accordance with the above referenced agreement for professional services. Compensation for all services, material, supplies, training and any other items or requirements necessary to complete the work as described herein, for a total cost of **One Hundred Forty-Four Thousand, Two Hundred Thirty-Nine Dollars (\$144,239.00)**. At no time shall work fees exceed said amount of compensation herein without a written and executed Project Assignment.

III. PROJECT/LOCATION

Performance of services will be for Apollo Elementary School at 3085 Knox McRae Drive located at Titusville, Florida 32780.

IV. SCOPE OF SERVICES

Scope of Services per attached Gale Associates, Inc. proposal dated December 13, 2021, Revised December 21, 2021.

V. PROJECT SCHEDULE

This project Assignment shall commence upon receipt of a Purchase Order, fully executed Project Assignment and Notice to Proceed issued by School Board and continue until the Scope of Services is completed and accepted by the School Board's Representative. Said project shall maintain schedule as provided. If schedule is altered due to unforeseen delays, the School Board's Representative shall be notified at once in writing.

The School Board's Representative and Consultant shall negotiate a proposed schedule for the successful and timely completion of the project. The Project Schedule shall include at a minimum the proposed start date and final completion date.

The Consultant's Scope of Services shall begin upon receipt of a Purchase Order, fully executed Project Assignment and Notice to Proceed, and shall be completed by May 18, 2022.

VI. CONSULTANT'S PROJECT TEAM MEMBERS

Consultant shall provide the **name, title** and **responsibility** for each of the Consultant's and Subconsultant's employees proposed to complete the Scope of Services identified in this Project Assignment.

All personnel listed herein or on the Consultant's attached proposal must be cleared before entering School Board property, pursuant to Florida Statute 1012.465. The Consultant's Project Team Members must cooperate with school personnel to provide suitable identification to demonstrate the prior approval of the Office of District & School Security before entering any campus.

VII. CONSULTANT'S PROPOSAL

Consultant's Proposal must include the following detail specific to this Project Assignment:

1. A complete Scope of Work to be performed.
2. A complete description of each phase of Work.
3. A time schedule for the Work.
4. All costs to be incurred by the Owner for the professional services to be performed.
5. An estimate of the Project Construction Budget, where appropriate.
6. Proposed Staff.
7. Proposed Sub-Consultants.
8. No terms shall be stated in the letter of understanding which are contrary to, or stated as superseding, the terms of this Agreement unless expressly approved by the Owner in writing.

(REMAINDER OF PAGE INTENTIONALLY LEFT BLANK)

SIGNATURES (FOR PROJECTS OVER \$50,000.00):

IN WITNESS THEREOF, the above parties have executed this instrument, the name of each party being affixed and these present duly signed by its undersigned representative, pursuant to authority of its governing body.


**THE SCHOOL BOARD OF
BREVARD COUNTY, FLORIDA (Owner):**

By: _____
Misty Belford, Chairperson
Date Approved: _____

ATTEST (WITNESS):

By: _____
Mark W. Mullins, Ed.D., Superintendent

**GALE ASSOCIATES, INC.
(Consultant)**

By: 
Print Name: Tony B. Robinson, RRC, BECxP
Title: Sr. Associate

Date: 12/21/2021

ATTEST (WITNESS):

By: 
Print Name: Alex E. Agudelo
Title: Staff Designer

SIGNATURES (FOR PROJECTS UNDER \$50,000.00):

IN WITNESS THEREOF, the above parties have executed this instrument, the name of each party being affixed and these present duly signed by its undersigned representative, pursuant to authority of its governing body.

**THE SCHOOL BOARD OF
BREVARD COUNTY, FLORIDA (Owner):**

By: _____
Susan Hann, P.E., AICP
Assistant Superintendent/Facilities Services
As Designee for Mark W. Mullins, Ed.D., Sup.
Date Approved: _____

ATTEST (WITNESS):

By: _____

(Consultant)

By: _____
Print Name: _____
Title: _____
Date: _____

ATTEST (WITNESS):

By: _____
Print Name: _____
Title: _____



GALE ASSOCIATES, INC.

160 N. Westmonte Drive, Suite1200 | Altamonte Springs, FL 32714

P 407.599.7031 F 407.599.7077

www.galeassociates.com

December 13, 2021 **Revised 12/21/2021-R3**

Brevard Public Schools – Facility Services
2700 Judge Fran Jamison Way
Viera, FL 32940

Attn: Mr. Christopher Payne, Project Manager
C: (321) 604-8041
Email: Payne.Christopher@brevardschools.org

Re: Roof Systems
Design, Bid, and Construction Phase Services
Apollo Elementary School – Roof Replacement
3085 Knox McRae Drive, Titusville, FL 32780
Gale P09235

Dear Mr. Payne:

Gale Associates, Inc. (Gale) is pleased to present this revised proposal to provide Engineering Consulting Services to Brevard Public Schools (BPS) regarding the above-referenced facility.

PROJECT DESCRIPTION

Apollo Elementary School is a BPS prototype elementary schools. The roofing system consists of modified bitumen roofing membrane (approx. 94,800 SF) and standing seam metal mansards.

Gale performed an evaluation of the low-sloped roofing systems and the roof related mechanical, electrical, plumbing and structural components with the assistance of Cape Design Engineering (CDE). After review of Gale's preliminary evaluation report dated 9/24/2021, BPS has requested Gale to complete engineering, design and to prepare drawings and technical specifications for the replacement/repairs of the low-sloped roofs and metal mansards. The project also includes MEP and structural engineering services. Gale will retain the services of CDE to assist. Please refer to CDE's proposal attached.

Building 1

- Roof replacement (2-ply modified bitumen)

Building 2, 3 and 4

- Roof repairs and design a Fluoropolymer “Kynar” resin roof coating.

Steep Sloped Roofing/Mansards

- Roof repairs and design a Fluoropolymer “Kynar” resin roof coating.

Soffits

- Repair and paint.

SINCE 1964

Connecticut | Florida | Maine | Maryland | Massachusetts | New Hampshire | Virginia



Gale has also been requested to provide limited assistance during the bid and construction phases.

SCOPE OF SERVICES

Based upon our understanding of the project, we propose the following Scope of Services:

Evaluation Phase Services

- Perform a measure-up of the roof flashings, roof transitions and related accessory construction for design. Access will be provided by the Owner.
- Perform infrared thermography on Buildings 2, 3 and 4 to assist in locating potential moisture intrusion due to BPS's direction to provide a roof coating in lieu of roof replacement.
 - Roof area plans provided by BPS and will be annotated to identify the potential anomalies.
 - Gale's two (2) person team will require access after-hours to perform this service. BPS will be required to coordinate/provide access to the site.
 - This proposal is predicated on one (1) night to perform the infrared scans of the roof.
- Prepare a brief letter report, in electronic format, outlining our findings and opinions. The letter will be augmented with photographs and notes on existing drawings.
- Meet with BPS via tele/video conference to present and review the letter report. Meeting Minutes will be developed and distributed by Gale.

Design Phase Services

- Design the construction measures selected by BPS as previously noted and prepare drawings and technical specifications suitable for soliciting contractor bids for the work.
 - Three (3) Design Submissions are anticipated, 60%, 90% and 100% for BPS review and written comments.
 - Provide a construction cost budget estimate with the 90% submission.
 - Meet with BPS via tele/video conference to review design review comments after the 60%, 90% and 100% Submissions.
 - Following receipt of the 100% review comments, we will finalize the Design Documents suitable for public bidding.
 - Provide an electronic signed and sealed (pdf) copy of the final Design Documents.
- BPS will provide the contract and bidding (i.e., non-technical) requirements of the Construction Documents.

Bid Phase Services

- Attend the pre-bid meeting at the project site, draft and distribute meeting minutes.



- Respond to pre-bid requests for information (RFI) and provide written addenda and clarifications to the Contract Documents.
- Review the bids prior to contract award for the remedial construction and provide an opinion/summary.

Construction Phase Services

- Initiate the construction phase by establishing the project site visit schedule during construction and points of contact for communication.
- Receive and review contractor's shop drawings and submittals for acceptance or rejection. Rejected submittals will be returned to the contractor for resubmittal. We recommend all submittals be received and reviewed by Gale prior to the pre-construction meeting and job start-up.
- Attend a pre-construction meeting at the site to review project requirements from a technical and non-technical aspect. Scheduling, coordination with interior occupancy, and set-up locations will be reviewed at that time. Written meeting minutes will be developed and distributed by Gale.
- Perform periodic observations of the contractor's work. Written field reports outlining methods and materials of construction and progress will be submitted.
 - This proposal is limited to:
 - Twenty-five (25) half-day site visits.
 - Half-day site visits include four (4) hours on site, travel to/from the site and one hour for report preparation.
- Attend construction site meetings to review contractor progress and performance. Written meeting minutes will be developed and distributed by Gale for each meeting.
 - This proposal is predicated on Gale's attendance at six (6) progress meetings.
- Review periodic payment requests for the project made by the contractor, technical issues, and change order requests.
- Perform a site visit after job completion and prior to contractor demobilization to observe completed work. We will provide a report that will identify and locate those items that are incomplete and/or non-conforming with the Construction Documents. It is the sole responsibility of the contractor to properly address each item and report corrections/completion directly to BPS.
- Perform one (1) follow-up site visit to verify that deficient items previously identified have been addressed. We will provide a letter documenting the condition of outstanding items.



Close-Out Document Phase Services

- Review final project closeout documents: Contractor's Lien Release and Consent of Surety, Contractor's Guarantees, Manufacturer's Warranties, and final contractor payment requisition, etc., as required and submitted by the contractor for this project.
- Review contractor final as-built drawings and provide final as-built drawings to BPS.

COMPENSATION

- Our compensation to provide the Scope of Services described above will be as follows:

Phase / Task	Fee	Reimbursables
Evaluation/Design Phase Services	\$6,865.00	\$0.00
Design Phase Services		
60% Design Submission (Gale)	\$21,100.00	\$0.00
60% Design Submission (CDE)	\$0.00	\$5,681.00
90% Design Submission (Gale)	\$15,440.00	\$0.00
90% Design Submission (CDE)	\$0.00	\$14,697.00
100% Design Submission	\$16,970.00	\$0.00
<i>Design Phase Services Sub-Total</i>	<i>\$53,510.00</i>	<i>\$20,378.00</i>
Bid Phase Services	\$2,610.00	\$0.00
Construction Phase Services		
Construction Phase (Gale)	\$50,455.00	\$0.00
Construction Phase (CDE)	\$0.00	\$7,521.00
<i>Construction Phase Services Sub-Total</i>	<i>\$50,455.00</i>	<i>\$7,521.00</i>
Close-Out Document Phase Services	\$2,900.00	\$0.00
Total	\$116,340.00	\$27,899.00
Total Fee	\$144,239.00	

- Gale’s services will be performed in accordance with BPS Professional Services Agreement for Design Services for Roof Renewal/Replacement at South Lake Elementary, Apollo Elementary, and Imperial Estates Elementary, as outlined in RFQ-21-345-Q dated 2/23/21.

PROJECT PARAMETERS AND LIMITATIONS

- Gale will be provided complete access to required areas of work at the facility.



- Gale’s services will be performed during normal business hours, Monday through Friday.
- Our fee does not include:
 - Research of the building’s assessed value and confirmation of the construction costs spent on the building over the last three years. BPS will provide this information to Gale as needed.
 - Hazardous materials (lead, asbestos, and PCBs) evaluation, design for remediation, and mold identification or remediation.
 - Provision of staging, scaffolding, or hoisting equipment.
 - Contractor services.
 - Field testing (leak testing, etc.).
 - Specialized material testing of construction components and assemblies.
 - Accessibility evaluations or upgrades.
 - Professional cost estimating.
 - Obtaining permits.
- If during the Thermal Imaging services, the results indicate areas that may contain moisture within the roof system, destructive testing of the roof system for the presence of moisture will be recommended. Gale's proposal does not include the costs associated with coordinating, observing, or taking/patching roof test cuts to identify the presence of moisture within the roof systems. Typically, roof test cut services are performed by a roofing contractor certified as an approved applicator by the membrane manufacturer.
- Gale will not mark the roof area of the suspected anomalies. The roof is considered finished and marking of the finished roof system could result in an undesirable appearance should future repairs/modifications to the anomaly conditions not be performed.
- Infrared surveys are dependent on weather conditions. Upon receipt of written authorization to proceed, Gale will schedule this infrared scan as soon as possible provided the weather conditions are favorable and there is no standing precipitation on the roof system. After business/school hours access will be required to perform the survey.
- Infrared surveys identify anomalies as a result of temperature variations between the roof cover and the uppermost insulation/coverboard substrates. They are not intended to identify the limits of potential defects, as water infiltration that occurs below these substrates could travel laterally beyond the surface of the system.
- Gale has no authority or responsibility for the means, methods, techniques, materials, sequences, procedures, safety requirements, and programs relating to the construction of the project. The contractor is solely responsible for all aspects of the performance of the construction, including quality control; adequacy of construction; and means, methods, and procedures.
- Job site safety is the contractor’s responsibility. Gale representatives, including subconsultants retained by Gale, may visit the job site from time to time. These visits are for clarifications of specific design related issues only and are not for the purposes of job site safety. It is the contractor’s sole responsibility to comply with all site safety applicable requirements.



- Correction of issues noted by Gale during the construction phase is the responsibility of the contractor, as is documentation of the correction. Gale bears no liability for further or additional observation of issues identified. Lists generated by Gale are not considered to be all inclusive and represent only those issues actually observed and noted by Gale personnel while onsite. Gale has been tasked to observe specific construction elements on a part-time basis only, and the absence of notations with respect to any other construction elements neither creates any liability on Gale's part, nor alters the contractor's responsibility to complete all work in accordance with the Contract Documents.
- It is recognized that Gale has no control over the cost of labor, materials, or equipment for construction, over any contractor's methods of determining bid prices, or over competitive bidding, market, or negotiating conditions. Accordingly, Gale cannot, and does not, warrant or represent that bids or negotiated prices will not vary from any cost estimate prepared by Gale.
- Duration of the construction period is dependent upon the contractor's quality of work and staffing on the project, weather, and compliance with construction schedule. Billing will reflect the actual time spent by Gale personnel on the project.
- Gale services are strictly limited to those defined within the Scope of Services noted above. If additional services are requested, they will be performed and invoiced on a time and expenses basis in accordance with our Schedule of Fees, following receipt of written authorization to proceed from BPS.

REQUIRED DOCUMENTS

Receipt of written notice to proceed is required prior to Gale initiating services on the project.

Thank you for this opportunity to submit this proposal to Brevard Public Schools for consideration. Please call if you have any questions regarding this proposal.

Best regards,
GALE ASSOCIATES, INC.

A handwritten signature in blue ink, appearing to read "Tony B. Robinson", is written over the printed name and title.

Tony B. Robinson, RRC, BECxp, LEED®AP,
Senior Associate
Building Enclosure Design & Consulting Group

tbr:sar

Enclosures:

- Gale Fee Estimate
- CDE Proposal and Fee Estimate

BPS APOLLO ELEMENTARY SCHOOL

UPON NOTICE TO PROCEED SCHEDULE MILESTONES

<u>DESCRIPTION</u>	<u>ESTIMATED TIME</u>
Notice to Proceed	TBD
Evaluation for Design	
• Field Work	2-Weeks
Phase 1 – 60% Design Submission	
• 60% Design Submission	5-Weeks
• 60% Design Review Meeting	1 week after receipt of review comments
Phase 2 – 60% Design Submission	
• 90% Design Submission	4-Weeks
• 90% Design Review Meeting	1-week after receipt of review comments
Phase 3 – 100% Construction Documents	
• 100% Design Submission	3-weeks
• Process 100% Review Comments	1-week
Bid Phase	30-days
Construction Phase	6-Months
Record Documents & Close-Out	2-Weeks

PROJECT: Apollo Elementary
 CLIENT: Brevard Public Schools
 DATE: December 10, 2010 (Revised 12/21/2021)-R3

BUILDING ENVELOPE CONSULTING SERVICES

**ENGINEERING SERVICES FEE ESTIMATE
 SUMMARY**

ITEM	Labor Fee	Miscellaneous Expense Fee	Sub-Total Fee and Misc. Expense	Contractor Reimbursable Fee	Consultant Fee	TOTAL FEE	Total Hours
EVALUATION	6,865.00	0.00		0.00	0.00	6,865.00	51
		(sum of above):	6,865.00				
DESIGN - 60%	21,100.00	0.00		0.00	5,681.00	26,781.00	157
		(sum of above):	21,100.00				
DESIGN - 90%	15,440.00	0.00		0.00	14,697.00	30,137.00	178
		(sum of above):	15,440.00				
DESIGN - 100%	16,970.00	0.00		0.00	0.00	16,970.00	126
		(sum of above):	16,970.00				
BID PERIOD SERVICES	2,610.00	0.00		0.00	0.00	2,610.00	19
		(sum of above):	2,610.00				
CONSTRUCTION PERIOD SERVICES	50,455.00	0.00		0.00	7,521.00	57,976.00	363
		(sum of above):	50,455.00				
RESIDENT ENGINEER	0.00	0.00		0.00	0.00	0.00	0
		(sum of above):	0.00				
DESIGN ASSIST	0.00	0.00		0.00	0.00	0.00	0
		(sum of above):	0.00				
BECx DESIGN PHASE	0.00	0.00		0.00	0.00	0.00	0
		(sum of above):	0.00				
BECx CONSTRUCTION PHASE	0.00	0.00		0.00	0.00	0.00	0
		(sum of above):	0.00				
BECx POST-CONSTRUCTION PHASE	0.00	0.00		0.00	0.00	0.00	0
		(sum of above):	0.00				
TESTING	0.00	0.00		0.00	0.00	0.00	0
		(sum of above):	0.00				
CLOSE-OUT	2,900.00	0.00		0.00	0.00	2,900.00	22
		(sum of above):	2,900.00				
TOTAL PROJECT FEE	116,340.00	0.00		0.00	27,899.00	144,239.00	916
		(sum of above):	116,340.00				

Travel Information (modify as needed)

100.00	Mileage, Round Trip
\$ 10.00	Tolls, Round Trip
\$ -	Parking, per visit
\$ -	Lodging per night
\$ 0.55	Mileage Reimbursement
\$ 25.00	Per Diem
\$ 400.00	Air Flight; Round Trip
\$ 200.00	Car Rental

Hazardous Testing (modify as needed)

\$ 24.00	Asbestos Testing
\$ 15.00	Lead Testing
\$ -	Other Testing (enter as required)
\$ 35.00	Shipping Rates

January 2019 Rates

	Principal	Senior Associate	Associate	Sr. Project Mgr. / Sr. Struc	Project Manager	Senior Eng/ Arch / Planner	Drone Pilot	Proj. Eng/ Designer / Arch / Planner	Landscape Architect	Sr. Staff Eng. / Designer	Staff Eng. / Designer	Sr. Technician / CAD Designer	N/A	Technician / CAD Drafter	Admin. Professional	Clerk / Word Proc. / Admin. Assist.
	230.00	215.00	200.00	180.00	170.00	160.00	150.00	150.00	140.00	140.00	130.00	120.00	0.00	110.00	100.00	90.00
Staff Member	JFL	TBR	TBD	ASC	TBD	TBD	TBD	TBD	TBD	AEA	EM	FKL/SGC		TBD	SAR	ACC

Estimates for Construction Period Services are GALE's "best estimate" based on the scope of services to be provided, utilizing a _____ (____) day construction window. As you know, construction progress and project completion depends on the Contractor's quality of work and staffing on the project. Billing will reflect the actual time spent by GALE personnel on the project. Total project fee may vary depending on Contractor's personnel and Contractor performance on the project. We anticipate that this proposal meets your requirements.

BUILDING ENVELOPE CONSULTING SERVICES

PROJECT: Apollo Elementary
 CLIENT: Brevard Public Schools
 DATE: December 10, 2010 (Revised 12/21/2021)-R3

ENGINEERING SERVICES FEE ESTIMATE
 EVALUATION

Discipline	Principal	Senior Associate	Associate	Sr. Proj. Mgr / Sr. Struc	Project Manager	Senior Eng/ Arch / Planner	Drone Pilot	Proj. Eng / Designer Arch / Planner	Landscape Architect	Sr. Staff Eng. / Designer	Staff Eng. / Staff Designer	Sr. Technician / CAD Designer	Technician / CAD Drafter	Admin Professional	Clerk / Word Proc. / Admin. Assist.	Total Hours	Total Fee
	230.00	215.00	200.00	180.00	170.00	160.00	150.00	140.00	140.00	130.00	120.00	110.00	100.00	90.00			
Description of Services	JFL	TBR	TBD	ASC	TBD	TBD	TBD	TBD	TBD	AEA	EM	FKL/SGC	TBD	SAR	ACC		
Hours/Cost																	
1. Project Initiation		1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	4.0	
	0.00	215.00	0.00	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	200.00	0.00		595.00
2. Field Evaluation (Review & Measure Detail Conditions for Design)		0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	8.0	0.0	0.0	0.0	18.0	
	0.00	0.00	0.00	360.00	0.00	0.00	0.00	0.00	0.00	1,120.00	0.00	960.00	0.00	0.00	0.00		2,440.00
3. Infrad Scan (IR)		0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	10.0	0.0	0.0	0.0	21.0	
	0.00	0.00	0.00	180.00	0.00	0.00	0.00	0.00	0.00	1,400.00	0.00	1,200.00	0.00	0.00	0.00		2,780.00
4. IR Analysis & Report of Findings		0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	6.0	
	0.00	0.00	0.00	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	240.00	0.00	0.00	180.00		780.00
5. IR Report Review Meeting		0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	
	0.00	0.00	0.00	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.00		270.00
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
10		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
11		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
12		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
TOTAL HOURS	0.0	1.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0	20.0	0.0	2.0	3.0	51.0	
TOTAL LABOR COST - EVALUATION	0	215	0	1260	0	0	0	0	0	2520	0	2400	0	200	270		6,865.00

Reimbursables for the below Phase:

PROJECT: Apollo Elementary
 CLIENT: Brevard Public Schools
 DATE: December 10, 2010 (Revised 12/21/2021)-R3

EVALUATION

						Price Per Unit	Total	
Miscellaneous Expenses								
Sampling								
	Core Samples				per sample:	\$0.00	0.00	
	Deck Assessment Cuts (add'l)				per cut:	\$0.00	0.00	
Testing by Gale								
	Asbestos Testing			# of samples	per sample:	\$24.00	0.00	
	Lead Testing		0	# of samples	per sample:	\$15.00	0.00	
	Other			# of samples	per sample:	\$0.00	0.00	
Travel								
	0	Trips @	100.00	Miles, Round Trip		0.55	0.00	
	0	Trips @	10	Tolls, Round Trip			0.00	
	0	Trips @	0	Parking			0.00	
	0	Nights @	0	Night			0.00	
	0	# of days	25	Night			0.00	
	0	# of trips	400	round trip			0.00	
	0	# of vehicles	200	rental for week			0.00	
Reprographics								
Report Submission								
	100 Pages		0	Copies @		0.10	0.00	
	12 Sheets		0	Copies @		1.08	0.00	
	Mylar Sheets			Copies @		21.00	0.00	
	Renderings			Copies @		15.00	0.00	
	Shipping		0	Packages		35.00	0.00	
SUB-TOTAL EXPENSE COST							0.00	
Reimbursable Expenses - Modify crew rates and lift day rates depending on size of crew/unit								
	Rofer; # of days =	0.0	at a day rate of:	\$1,000	if lift is needed:	0 Days at:	\$1,200 for the lift.	0.00
	Glazer; # of days =	0.0	at a day rate of:	\$2,500	if lift is needed:	0 Days at:	\$1,200 for the lift.	0.00
	Mason; # of days =	0.0	at a day rate of:	\$2,500	if lift is needed:	0 Days at:	\$1,200 for the lift.	0.00
	Specialist; # of days =	0.0	at a day rate of:	\$2,500	if lift is needed:	0 Days at:	\$1,200 for the lift.	0.00
SUB-TOTAL EXPENSE COST							0.00	
Consultants - Reference if estimated, or if a proposal has been provided.								
	Cost Estimator	\$ -	- fee				0.00	
	MEP	\$ -	- fee				0.00	
	Hazardous Material	\$ -	- fee				0.00	
SUB-TOTAL CONSULTANT EXPENSE COST							0.00	

BUILDING ENVELOPE CONSULTING SERVICES

PROJECT: Apollo Elementary
 CLIENT: Brevard Public Schools
 DATE: December 10, 2010 (Revised 12/21/2021)-R3

ENGINEERING SERVICES FEE ESTIMATE
 DESIGN - 60%

Discipline	Principal	Senior Associate	Associate	Sr. Proj. Mgr / Sr. Struc	Project Manager	Senior Eng/ Arch / Planner	Drone Pilot	Proj. Eng / Designer Arch / Planner	Landscape Architect	Sr. Staff Eng. / Designer	Staff Eng. / Staff Designer	Sr. Technician / CAD Designer	Technician / CAD Drafter	Admin Professional	Clerk / Word Proc. / Admin. Assist.	Total Hours	Total Fee
	230.00	215.00	200.00	180.00	170.00	160.00	150.00	150.00	140.00	140.00	130.00	120.00	110.00	100.00	90.00		
Description of Services	JFL	TBR	TBD	ASC	TBD	TBD	TBD	TBD	TBD	AEA	EM	FKL/SGC	TBD	SAR	ACC		
Hours/Cost																	
1. 60% Design Documents	0.0 0.00	6.0 1,290.00	0.0 0.00	24.0 4,320.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	32.0 4,480.00	0.0 0.00	0.0 0.00	80.0 8,800.00	0.0 0.00	6.0 540.00	148.0	19,430.00
2. 60% Design Review Meeting and minutes		4.0 860.00	0.0 0.00	4.0 720.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	1.0 90.00	9.0	1,670.00
3	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0	0.00
4	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0	0.00
5	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0	0.00
6	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0	0.00
7	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0	0.00
8	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0	0.00
9	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0	0.00
10	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0	0.00
TOTAL HOURS	0.0	10.0	0.0	28.0	0.0	0.0	0.0	0.0	0.0	32.0	0.0	0.0	80.0	0.0	7.0	157.0	
TOTAL COST - DESIGN	0	2150	0	5040	0	0	0	0	0	4480	0	0	8800	0	630		21,100.00

Reimbursables for the below Phase:

DESIGN - 60%

PROJECT: Apollo Elementary

CLIENT: Brevard Public Schools

DATE: December 10, 2010 (Revised 12/21/2021)-R3

				Price Per	Total
Miscellaneous Expenses				Unit	
Sampling					
Core Samples				per sample:	\$0.00
Deck Assessment Cuts (add'l)				per cut:	\$0.00
Testing by Gale					
Asbestos Testing			# of samples	per sample:	\$24.00
Lead Testing			# of samples	per sample:	\$15.00
Other			# of samples	per sample:	\$0.00
Travel					
	0	Trips @	100.00 Miles, Round Trip		0.55
	0	Trips @	10 Tolls, Round Trip		
	0	Trips @	0 Parking		
Lodging	0	Nights @	0 Night		
Per Diem	0	# of days	25 Night		
Flight	0	# of trips	400 round trip		
Car	0	# of vehicles	200 rental for week		
Reprographics					
Report Submission					
	100	Pages	0 Copies @	0.10	
	12	Sheets	0 Copies @	1.08	
		Mylar Sheets	Copies @	21.00	
		Renderings	Copies @	15.00	
		Shipping	0 Packages	35.00	
SUB-TOTAL EXPENSE COST					0.00

Reimbursable Expenses - Modify crew rates and lift day rates depending on size of crew/unit						Total	
Roofer; # of days =	0.0	at a day rate of	\$2,500	if lift is needed:	0 Days at:	\$1,200 for the lift.	0.00
Glazer; # of days =	0.0	at a day rate of	\$2,500	if lift is needed:	0 Days at:	\$1,200 for the lift.	0.00
Mason; # of days =	0.0	at a day rate of	\$2,500	if lift is needed:	0 Days at:	\$1,200 for the lift.	0.00
Specialist; # of days =	0.0	at a day rate of	\$2,500	if lift is needed:	0 Days at:	\$1,200 for the lift.	0.00
SUB-TOTAL EXPENSE COST							0.00

Consultants - Reference if estimated, or if a proposal has been provided.				Total
Cost Estimator	\$ -	- fee		0.00
MEP	\$ 4,260.00	- fee		4,940.00
Hazardous Material	\$ -	- fee		0.00
SUB-TOTAL CONSULTANT EXPENSE COST				4,940.00

\$741.00

X 15% Markup

\$5,681.00

BUILDING ENVELOPE CONSULTING SERVICES

PROJECT: Apollo Elementary
 CLIENT: Brevard Public Schools
 DATE: December 10, 2010 (Revised 12/21/2021)-R3

ENGINEERING SERVICES FEE ESTIMATE
 DESIGN - 90%

Discipline	Principal	Senior Associate	Associate	Sr. Proj. Mgr / Sr. Struc	Project Manager	Senior Eng/ Arch / Planner	Drone Pilot	Proj. Eng / Designer Arch / Planner	Landscape Architect	Sr. Staff Eng. / Designer	Staff Eng. / Staff Designer	Sr. Technician / CAD Designer	Technician / CAD Drafter	Admin Professional	Clerk / Word Proc. / Admin. Assist.	Total Hours	Total Fee
	230.00	215.00	200.00	180.00	170.00	160.00	150.00	150.00	140.00	140.00	130.00	120.00	110.00	100.00	90.00	Hours	Fee
Description of Services	JFL	TBR	TBD	ASC	TBD	TBD	TBD	TBD	TBD	AEA	EM	FKL/SGC	TBD	SAR	ACC		
Hours/Cost																	
1. 90% Design Documents		16.0	0.0	24.0	0.0	0.0	0.0	0.0	0.0	32.0	0.0	0.0	80.0	0.0	16.0	168.0	
	0.00	3,440.00	0.00	4,320.00	0.00	0.00	0.00	0.00	0.00	4,480.00	0.00	0.00		0.00	1,440.00		13,680.00
2. 90% Design Review Meeting and minutes		4.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	10.0	
	0.00	860.00	0.00	720.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	180.00		1,760.00
3		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
4		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
6		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
7		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
8		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
10		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
TOTAL HOURS	0.0	20.0	0.0	28.0	0.0	0.0	0.0	0.0	0.0	32.0	0.0	0.0	80.0	0.0	18.0	178.0	
TOTAL COST - DESIGN	0	4300	0	5040	0	0	0	0	0	4480	0	0	8800	0	1620		15,440.00

Reimbursables for the below Phase:

DESIGN - 90%

PROJECT: Apollo Elementary
 CLIENT: Brevard Public Schools
 DATE: December 10, 2010 (Revised 12/21/2021)-R3

Miscellaneous Expenses						Price Per Unit	Total
Sampling							
	Core Samples				per sample:	\$0.00	0.00
	Deck Assessment Cuts (add'l)				per cut:	\$0.00	0.00
Testing by Gale							
	Asbestos Testing			# of samples	per sample:	\$24.00	0.00
	Lead Testing			# of samples	per sample:	\$15.00	0.00
	Other			# of samples	per sample:	\$0.00	0.00
Travel							
	0	Trips @	100.00	Miles, Round Trip		0.55	0.00
	0	Trips @	10	Tolls, Round Trip			0.00
	0	Trips @	0	Parking			0.00
	0	Nights @	0	Night			0.00
	0	# of days	25	Night			0.00
	0	# of trips	400	round trip			0.00
	0	# of vehicles	200	rental for week			0.00
Reprographics							
Report Submission							
	150 Pages	0 Copies @		0.10			0.00
	12 Sheets	0 Copies @		1.08			0.00
	12 Mylar Sheets	0 Copies @		21.00			0.00
		Renderings		Copies @		15.00	0.00
		Shipping		0 Packages		35.00	0.00
SUB-TOTAL EXPENSE COST							0.00

Reimbursable Expenses - Modify crew rates and lift day rates depending on size of crew/unit						Total	
Roofer; # of days =	0.0	at a day rate of	\$2,500	if lift is needed:	0 Days at:	\$1,200 for the lift.	0.00
Glazer; # of days =	0.0	at a day rate of	\$2,500	if lift is needed:	0 Days at:	\$1,200 for the lift.	0.00
Mason; # of days =	0.0	at a day rate of	\$2,500	if lift is needed:	0 Days at:	\$1,200 for the lift.	0.00
Specialist; # of days =	0.0	at a day rate of	\$2,500	if lift is needed:	0 Days at:	\$1,200 for the lift.	0.00
SUB-TOTAL EXPENSE COST							0.00

Consultants - Reference if estimated, or if a proposal has been provided.						Total	
Cost Estimator	\$ -	- fee					0.00
MEP	\$ 12,100.00	- fee					12,780.00
Hazardous Material	\$ -	- fee					0.00
SUB-TOTAL CONSULTANT EXPENSE COST							12,780.00

\$1,917.00
 X15% Markup

\$14,697.00

BUILDING ENVELOPE CONSULTING SERVICES

PROJECT: Apollo Elementary
 CLIENT: Brevard Public Schools
 DATE: December 10, 2010 (Revised 12/21/2021)-R3

ENGINEERING SERVICES FEE ESTIMATE
 DESIGN - 100%

Discipline	Principal	Senior Associate	Associate	Sr. Proj. Mgr / Sr. Struc	Project Manager	Senior Eng/ Arch / Planner	Drone Pilot	Proj. Eng / Designer Arch / Planner	Landscape Architect	Sr. Staff Eng. / Designer	Staff Eng. / Staff Designer	Sr. Technician / CAD Designer	Technician / CAD Drafter	Admin Professional	Clerk / Word Proc. / Admin. Assist.	Total Hours	Total Fee
	230.00	215.00	200.00	180.00	170.00	160.00	150.00	150.00	140.00	140.00	130.00	120.00	110.00	100.00	90.00		
Description of Services	JFL	TBR	TBD	ASC	TBD	TBD	TBD	TBD	TBD	AEA	EM	FKL/SGC	TBD	SAR	ACC		
Hours/Cost																	
1. 100% Design Documents		8.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	24.0	0.0	0.0	40.0	0.0	16.0	100.0	
	0.00	1,720.00	0.00	2,160.00	0.00	0.00	0.00	0.00	0.00	3,360.00	0.00	0.00	4,400.00	0.00	1,440.00		13,080.00
2. 100% Design Review Meeting		4.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	10.0	
	0.00	860.00	0.00	720.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	180.00		1,760.00
3. Signed & Sealed Drawings Conformed Documents		2.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	6.0	16.0	
	0.00	430.00	0.00	720.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	440.00	0.00	540.00		2,130.00
4		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
6		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
7		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
8		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
10		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
TOTAL HOURS	0.0	14.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	24.0	0.0	0.0	44.0	0.0	24.0	126.0	
TOTAL COST - DESIGN	0	3010	0	3600	0	0	0	0	0	3360	0	0	4840	0	2160		16,970.00

Reimbursables for the below Phase:

DESIGN - 100%

PROJECT: Apollo Elementary
 CLIENT: Brevard Public Schools
 DATE: December 10, 2010 (Revised 12/21/2021)-R3

				Price Per	Total		
				Unit			
Miscellaneous Expenses							
Sampling							
Core Samples	_____			per sample: \$0.00	0.00		
Deck Assessment Cuts (add'l)	_____			per cut: \$0.00	0.00		
Testing by Gale							
Asbestos Testing	_____	# of samples		per sample: \$24.00	0.00		
Lead Testing	_____	# of samples		per sample: \$15.00	0.00		
Other	_____	# of samples		per sample: \$0.00	0.00		
Travel							
_____	0 Trips @	100.00 Miles, Round Trip		0.55	0.00		
_____	0 Trips @	10 Tolls, Round Trip			0.00		
_____	0 Trips @	0 Parking			0.00		
Lodging	_____	0 Nights @	0 Night		0.00		
Per Diem	_____	0 # of days	25 Night		0.00		
Flight	_____	0 # of trips	400 round trip		0.00		
Car	_____	0 # of vehicles	200 rental for week		0.00		
Reprographics							
Report Submission							
_____	0 Pages	0 Copies @	0.10		0.00		
_____	0 Sheets	0 Copies @	1.08		0.00		
_____	Mylar Sheets	Copies @	21.00		0.00		
_____	Renderings	Copies @	15.00		0.00		
_____	Shipping	0 Packages	35.00		0.00		
SUB-TOTAL EXPENSE COST					0.00		
Reimbursable Expenses - Modify crew rates and lift day rates depending on size of crew/unit							
Roofer; # of days =	_____	0.0 at a day rate of	\$2,500	if lift is needed: _____	0 Days at: _____	\$1,200 for the lift.	0.00
Glazer; # of days =	_____	0.0 at a day rate of	\$2,500	if lift is needed: _____	0 Days at: _____	\$1,200 for the lift.	0.00
Mason; # of days =	_____	0.0 at a day rate of	\$2,500	if lift is needed: _____	0 Days at: _____	\$1,200 for the lift.	0.00
Specialist; # of days =	_____	0.0 at a day rate of	\$2,500	if lift is needed: _____	0 Days at: _____	\$1,200 for the lift.	0.00
SUB-TOTAL EXPENSE COST							0.00
Consultants - Reference if estimated, or if a proposal has been provided.							
Cost Estimator	\$	-	- fee				0.00
MEP	\$	-	- fee				0.00
Hazardous Material	\$	-	- fee				0.00
SUB-TOTAL CONSULTANT EXPENSE COST							0.00

BUILDING ENVELOPE CONSULTING SERVICES

PROJECT: Apollo Elementary
 CLIENT: Brevard Public Schools
 DATE: December 10, 2010 (Revised 12/21/2021)-R3

ENGINEERING SERVICES FEE ESTIMATE
 BID PERIOD SERVICES

Discipline	Principal	Senior Associate	Associate	Sr. Proj. Mgr / Sr. Struc	Project Manager	Senior Eng/ Arch / Planner	Drone Pilot	Proj. Eng / Designer Arch / Planner	Landscape Architect	Sr. Staff Eng. / Designer	Staff Eng. / Staff Designer	Sr. Technician / CAD Designer	Technician / CAD Drafter	Admin Professional	Clerk / Word Proc. / Admin. Assist.	Total Hours	Total Fee
	230.00	215.00	200.00	180.00	170.00	160.00	150.00	150.00	140.00	140.00	130.00	120.00	110.00	100.00	90.00		
Description of Services	JFL	TBR	TBD	ASC	TBD	TBD	TBD	TBD	TBD	AEA	EM	FKL/SGC	TBD	SAR	ACC		
Hours/Cost																	
1. Attend Pre-Bid Meeting	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	6.0 840.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	2.0 180.00	8.0	1,020.00
2. Clarification of Contract Documents - Addenda		0.0 0.00	0.0 0.00	2.0 360.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	4.0 560.00	0.0 0.00	0.0 0.00	2.0 220.00	0.0 0.00	0.0 0.00	8.0	1,140.00
3. Review Bids and provide opinion/summary		0.0 0.00	0.0 0.00	2.0 360.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	1.0 90.00	3.0	450.00
4		0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0	0.00
5		0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0	0.00
6		0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0	0.00
7		0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0	0.00
8		0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0	0.00
9		0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0	0.00
TOTAL HOURS	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	2.0	0.0	3.0	19.0	
TOTAL COST -BID PERIOD SERVICES	0	0	0	720	0	0	0	0	0	1400	0	0	220	0	270		2,610.00

Reimbursables for the below Phase:

PROJECT: Apollo Elementary
 CLIENT: Brevard Public Schools
 DATE: December 10, 2010 (Revised 12/21/2021)-R3

BID PERIOD SERVICES

						Price Per	
						Unit	Total
Miscellaneous Expenses							
Sampling							
	Core Samples				per sample:	\$0.00	0.00
	Deck Assessment Cuts (add'l)				per cut:	\$0.00	0.00
Testing by Gale							
	Asbestos Testing			# of samples	per sample:	\$24.00	0.00
	Lead Testing			# of samples	per sample:	\$15.00	0.00
	Other			# of samples	per sample:	\$0.00	0.00
Travel							
	0	Trips @	100.00	Miles, Round Trip		0.55	0.00
	0	Trips @	10	Tolls, Round Trip			0.00
	0	Trips @	0	Parking			0.00
	0	Nights @	0	Night			0.00
	0	# of days	25	Night			0.00
	0	# of trips	400	round trip			0.00
	0	# of vehicles	200	rental for week			0.00
Reprographics							
	0	Pages		0 Copies @		0.10	0.00
	0	Sheets		0 Copies @		1.08	0.00
		Mylar Sheets		Copies @		21.00	0.00
		Renderings		Copies @		15.00	0.00
		Shipping		0 Packages		35.00	0.00
SUB-TOTAL EXPENSE COST							0.00
Reimbursable Expenses - Modify crew rates and lift day rates depending on size of crew/unit							
	Roofer; # of days =	0.0	at a day rate	\$2,500	if lift is needed:	0 Days at:	\$1,200 for the lift.
	Glazer; # of days =	0.0	at a day rate	\$2,500	if lift is needed:	0 Days at:	\$1,200 for the lift.
	Mason; # of days =	0.0	at a day rate	\$2,500	if lift is needed:	0 Days at:	\$1,200 for the lift.
	Specialist; # of days =	0.0	at a day rate	\$2,500	if lift is needed:	0 Days at:	\$1,200 for the lift.
SUB-TOTAL EXPENSE COST							0.00
Consultants - Reference if estimated, or if a proposal has been provided.							
	Cost Estimator	\$ -	- fee				0.00
	MEP	\$ -	- fee				0.00
	Hazardous Material	\$ -	- fee				0.00
SUB-TOTAL CONSULTANT EXPENSE COST							0.00

Do Not Modify Red Text
 as it is linked to the
 Summary Sheet

BUILDING ENVELOPE CONSULTING SERVICES

PROJECT: Apollo Elementary
 CLIENT: Brevard Public Schools
 DATE: December 10, 2010 (Revised 12/21/2021)-R3

ENGINEERING SERVICES FEE ESTIMATE
 CONSTRUCTION PERIOD SERVICES

Discipline	Principal	Senior Associate	Associate	Sr. Proj. Mgr / Sr. Struc	Project Manager	Senior Eng/ Arch / Planner	Drone Pilot	Proj. Eng / Designer Arch / Planner	Landscape Architect	Sr. Staff Eng. / Designer	Staff Eng. / Staff Designer	Sr. Technician / CAD Designer	Technician / CAD Drafter	Admin Professional	Clerk / Word Proc. / Admin. Assist.	Total Hours	Total Fee
	230.00	215.00	200.00	180.00	170.00	160.00	150.00	150.00	140.00	140.00	130.00	120.00	110.00	100.00	90.00		
Description of Services	JFL	TBR	TBD	ASC	TBD	TBD	TBD	TBD	TBD	AEA	EM	FKL/SGC	TBD	SAR	ACC		
Hours/Cost																	
1. Project Initiation	0.0	2.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	2.0	1.0	9.0	1,360.00
	0.00	430.00	0.00	360.00	0.00	0.00	0.00	0.00	0.00	280.00	0.00	0.00	0.00	200.00	90.00		
2. Review Shop Drawings and Submittals		0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	4.0	18.0	2,560.00
	0.00	0.00	0.00	1,080.00	0.00	0.00	0.00	0.00	0.00	1,120.00	0.00	0.00	0.00	0.00	360.00		
3. Preconstruction Conference (includes minutes)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	6.0	0.0	0.0	0.0	12.0	1,560.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	840.00	0.00	720.00	0.00	0.00	0.00		
4. On-Site Daily Inspection and Report (25 visits)		0.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	160.0	0.0	0.0	16.0	216.0	27,840.00
	0.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19,200.00	0.00	0.00	1,440.00		
5. Progress Meetings based on 6 meetings		8.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	58.0	9,820.00
	0.00	1,720.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	900.00		
6. Review Payment Requests, Technical Questions, Etc.		2.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	26.0	4,030.00
	0.00	430.00	0.00	2,880.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	720.00		
7. Substantial Completion Site Visit		2.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	1.0	13.0	1,840.00
	0.00	430.00	0.00	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	960.00	0.00	0.00	90.00		
8. Final Site Visit		1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	1.0	11.0	1,445.00
	0.00	215.00	0.00	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	960.00	0.00	0.00	90.00		
9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
10		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
TOTAL HOURS	0.0	15.0	0.0	107.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	182.0	0.0	2.0	41.0	363.0	
TOTAL COST - CONSTRUCTION PERIOD	0	3225	0	19260	0	0	0	0	0	2240	0	21840	0	200	3690		50,455.00

Reimbursables for the below Phase:

CONSTRUCTION PERIOD SERVICES

PROJECT: Apollo Elementary
 CLIENT: Brevard Public Schools
 DATE: December 10, 2010 (Revised 12/21/2021)-R3

				Price Per	Total
				Unit	
Miscellaneous Expenses					
Sampling					
	Core Samples	_____		per sample:	\$0.00 0.00
	Deck Assessment Cuts (add'l)	_____		per cut:	\$0.00 0.00
Testing by Gale					
	Asbestos Testing	_____	# of samples	per sample:	\$24.00 0.00
	Lead Testing	_____	# of samples	per sample:	\$15.00 0.00
	Other	_____	# of samples	per sample:	\$0.00 0.00
Travel					
	0 Trips @	100.00 Miles, Round Trip		0.55	0.00
	0 Trips @	10 Tolls, Round Trip			0.00
	0 Trips @	0 Parking			0.00
	0 Nights @	0 Night			0.00
	0 # of days	25 Night			0.00
	0 # of trips	400 round trip			0.00
	0 # of vehicles	200 rental for week			0.00
Reprographics					
	Report Submission				
	10 Pages	0 Copies @	0.10		0.00
	2 Sheets	0 Copies @	1.08		0.00
	Mylar Sheets	Copies @	21.00		0.00
	Renderings	Copies @	15.00		0.00
	Shipping	0 Packages	35.00		0.00
SUB-TOTAL EXPENSE COST					0.00

Reimbursable Expenses - Modify crew rates and lift day rates depending on size of crew/unit				Total
Roofer; # of days =	0.0	at a day rate of:	\$1,000	if lift is needed: 0 Days at: \$1,200 for the lift. 0.00
Glazer; # of days =	0.0	at a day rate of:	\$2,500	if lift is needed: 0 Days at: \$1,200 for the lift. 0.00
Mason; # of days =	0.0	at a day rate of:	\$2,500	if lift is needed: 0 Days at: \$1,200 for the lift. 0.00
Specialist; # of days =	0.0	at a day rate of:	\$2,500	if lift is needed: 0 Days at: \$1,200 for the lift. 0.00
SUB-TOTAL EXPENSE COST				0.00

Consultants - Reference if estimated, or if a proposal has been provided.			Total
Cost Estimator	\$ -	- fee	0.00
MEP	\$ 6,160.00	- fee	6,540.00
Hazardous Material	\$ -	- fee	0.00
SUB-TOTAL CONSULTANT EXPENSE COST			6,540.00

\$981.00
 X 15% Markup
\$7,521.00

BUILDING ENVELOPE CONSULTING SERVICES

PROJECT: Apollo Elementary
 CLIENT: Brevard Public Schools
 DATE: December 10, 2010 (Revised 12/21/2021)-R3

ENGINEERING SERVICES FEE ESTIMATE
 CLOSE-OUT

Discipline	Principal	Senior Associate	Associate	Sr. Proj. Mgr / Sr. Struc	Project Manager	Senior Eng/ Arch / Planner	Drone Pilot	Proj. Eng / Designer Arch / Planner	Landscape Architect	Sr. Staff Eng. / Designer	Staff Eng. / Staff Designer	Sr. Technician / CAD Designer	Technician / CAD Drafter	Admin Professional	Clerk / Word Proc. / Admin. Assist.	Total	Total
	230.00	215.00	200.00	180.00	170.00	160.00	150.00	150.00	140.00	140.00	130.00	120.00	110.00	100.00	90.00	Hours	Fee
Description of Services	JFL	TBR	TBD	ASC	TBD	TBD	TBD	TBD	TBD	AEA	EM	FKL/SGC	TBD	SAR	ACC		
Hours/Cost																	
1. Final Close-Out Documents (Warranties, final pay applications, etc.)	0.0 0.00	0.0 0.00	0.0 0.00	4.0 720.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	2.0 180.00	6.0	900.00
2. As-Built Drawings		0.0 0.00	0.0 0.00	4.0 720.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	10.0 1,100.00	0.0 0.00	2.0 180.00	16.0	2,000.00
3		0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0	0.00
4		0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0	0.00
5		0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0	0.00
6		0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0	0.00
7		0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0	0.00
8		0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0	0.00
9		0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0 0.00	0.0	0.00
TOTAL HOURS	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	4.0	22.0	
TOTAL COST - CONSTRUCTION PERIOD SERVICES	0	0	0	1440	0	0	0	0	0	0	0	0	1100	0	360		2,900.00

PROJECT: Apollo Elementary
 CLIENT: Brevard Public Schools
 DATE: December 10, 2010 (Revised 12/21/2021)-R3

Reimbursables for the below Phase:

CLOSE-OUT

				Price Per Unit	Total
Miscellaneous Expenses					
Sampling					
	Core Samples	_____		per sample: \$0.00	0.00
	Deck Assessment Cuts (add'l)	_____		per cut: \$0.00	0.00
Testing by Gale					
	Asbestos Testing	_____	# of samples	per sample: \$24.00	0.00
	Lead Testing	_____	# of samples	per sample: \$15.00	0.00
	Other	_____	# of samples	per sample: \$0.00	0.00
Travel					
	0 Trips @	100.00 Miles, Round Trip		0.55	0.00
	0 Trips @	10 Tolls, Round Trip			0.00
	0 Trips @	0 Parking			0.00
Lodging	0 Nights @	0 Night			0.00
Per Diem	0 # of days	25 Night			0.00
Flight	0 # of trips	400 round trip			0.00
Car	0 # of vehicles	200 rental for week			0.00
Reprographics					
Report Submission					
	100 Pages	0 Copies @		0.10	0.00
	12 Sheets	0 Copies @		1.08	0.00
	Mylar Sheets	Copies @		21.00	0.00
	Renderings	Copies @		15.00	0.00
	Shipping	0 Packages		35.00	0.00
SUB-TOTAL EXPENSE COST					0.00

Reimbursable Expenses - Modify crew rates and lift day rates depending on size of crew/unit				Total	
Roofer; # of days =	0.0 at a day rate of:	\$2,500	if lift is needed: 0 Days at:	\$1,200 for the lift.	0.00
Glazer; # of days =	0.0 at a day rate of:	\$2,500	if lift is needed: 0 Days at:	\$1,200 for the lift.	0.00
Mason; # of days =	0.0 at a day rate of:	\$2,500	if lift is needed: 0 Days at:	\$1,200 for the lift.	0.00
Specialist; # of days =	0.0 at a day rate of:	\$2,500	if lift is needed: 0 Days at:	\$1,200 for the lift.	0.00
SUB-TOTAL EXPENSE COST					0.00

Consultants - Reference if estimated, or if a proposal has been provided.			Total
Cost Estimator	\$ -	- fee	0.00
MEP	\$ -	- fee	0.00
Hazardous Material	\$ -	- fee	0.00
SUB-TOTAL CONSULTANT EXPENSE COST			0.00



Cape Design Engineering Co.

775 E. Merritt Island Causeway - Suite 230
Merritt Island, FL 32952
Phone: 321.799.2970 | Fax: 321.799.0375 | www.cdeco.com

21-055-L135.1

December 13, 2021

TO: Tony Robinson
Gale Associates, Inc.
160 N. Westmonte Drive
Altamonte Springs, FL 32714

SUBJECT: REVISED Fee Proposal for Roof Replacement Design and Construction Services at Apollo Elementary School, Located at 3805 Knox McRae Dr, Titusville, FL 32780

Dear Tony:

Cape Design Engineering Co. (CDE), a wholly owned subsidiary of 8-koi, is pleased to submit this fee proposal to provide Structural & MEP engineering services for the subject project. Our fee is based on your email of December 06, 2021 including the scope outline and preliminary roof evaluation report. This fee includes the following:

Phase	
Design Development Phase	\$4,940.00
Construction Documents Phase	\$12,780.00
Construction Support Phase	\$6,540.00
Total	\$24,260.00

Scope of Work

1. Revisit the project site as needed for design.
2. Provide wind design for roofs, including roof zone diagrams, wind loads, etc. per current FBC.
3. Provide details or information for adding framing to at existing rooftop equipment penetrations through the roof deck that do not currently have any framing.
4. Provide details or information for closing abandoned roof deck openings and securing rooftop equipment from wind forces.
5. Construction phase services which include the following: initial and follow-up reviews of contractor’s submittals and shop drawings, respond to RFI’s, (3) site visits, and review of close-out documents and as-builts.

Assumptions and Clarifications

1. Our fee includes three design submittals at 30%, 90% and 100% for construction.
2. Our fee includes one design review meeting held via teleconference
3. Our fee includes some interim coordination between CDE and GALE.
4. Our fee includes responding to contractor’s pre-bid questions, and produced Addenda as needed.
5. Specifications will be on the drawings.
6. Drawings will be prepared in AutoCAD and delivered as PDFs.
7. No civil/site design work including storm water and permitting.
8. CDE did not program any effort for construction cost estimating
9. Commissioning is not part of this effort.
10. All reproduction will be digital. No hard copies.
11. All submissions and distribution by others.

12. Effort does not include any efforts and time to appear in front of the School Board.

This fee is valid for 30 days. CDE will mobilize once a purchase order has been received indicating a notice to proceed and work toward a schedule mutually agreed upon.

We look forward to working with you. If you have any further questions, please feel free to contact us.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Kube". The signature is fluid and cursive, with a long horizontal stroke at the end.

Rich Kube
VP Design Engineering

Attachments:

Fee Breakdown

Scoping document by Gale & Assoc.



ARCHITECT-ENGINEER

COST PROPOSAL

Project

Contract No.

Completion in Weeks

Apollo ES Roof Replacement

8

A. DIRECT SALARY COSTS

PROJECT PHASE	JOB TITLES	HOURS	HOURLY RATE	DOLLAR AMOUNT	SUB-TOTAL PER PHASE
DESIGN DEVELOPMENT PHASE	Principal	0	\$140.00	\$0.00	\$4,940.00
	Project Engineer	10	\$120.00	\$1,200.00	
	Engineer	34	\$110.00	\$3,740.00	
	CADD/Drafter	0	\$75.00	\$0.00	
	Administrative	0	\$50.00	\$0.00	
CONSTRUCTION DOCUMENTS PHASE	Principal	0	\$140.00	\$0.00	\$12,780.00
	Project Engineer	18	\$120.00	\$2,160.00	
	Engineer	52	\$110.00	\$5,720.00	
	CADD/Drafter	60	\$75.00	\$4,500.00	
	Administrative	8	\$50.00	\$400.00	
CONSTRUCTION SUPPORT PHASE	Principal	2	\$140.00	\$280.00	\$6,540.00
	Project Engineer	14	\$120.00	\$1,680.00	
	Engineer	38	\$110.00	\$4,180.00	
	CADD/Drafter	0	\$75.00	\$0.00	
	Administrative	8	\$50.00	\$400.00	
Total Pages	-	TOTAL MAN-HOURS	244	TOTAL SALARIES - A	\$24,260.00

B. CONSULTANTS (attach estimate)

1		
2		
3		
TOTAL CONSULTANTS - B		\$0.00

C. OTHER DIRECT COSTS (attach estimates as necessary)

1	Reproduction Costs	\$0.00
TOTAL OTHER DIRECT COSTS - C		\$0.00

COMPENSATION SCHEDULE FOR TOTAL COST		TOTAL COSTS	
PHASE	DOLLAR AMT.	TOTAL COST TO BREVARD PUBLIC SCHOOLS	\$24,260.00
DESIGN DEVELOPMENT PHASE	\$4,940.00		
CONSTRUCTION DOCUMENTS PHASE	\$12,780.00		
CONSTRUCTION SUPPORT PHASE	\$6,540.00	ARCHITECT-ENGINEER FIRM NAME & ADDRESS	
SUB-TOTAL FEES:	\$24,260.00	Cape Design Engineering Co.	
CONSULTANTS	\$0.00	775 East Merritt Island Causeway, Suite 230	
OTHER DIRECT COSTS	\$0.00	Merritt Island, FL 32952	
GRAND TOTAL FEES:	\$24,260.00	PREPARED AND APPROVED BY: (Signature/Title)	
		Rich Kube, Design Engineering Manager/VP	
		DATE:	9-Dec-21

Per the 9/24/21 Preliminary Report Submission for Apollo ES, the following options have been chosen (from Part 7.0 of the Report)

Building 1

- Option 1 (Roof Replacement)

Building 2, 3, 4

- Option 1 (repair and apply coating)

Sloped Roofing/Mansards

- Option 1 (repair and apply coating)

Soffits

- Repair/Repaint

Design Phase Services

- Revisit the project site as needed to confirm design
- 30% Design Schematic Submission / 90% Submission / 100% Final Submission
- Allow for some interim coordination between CDE and GALE

Bid Phase Services

- Allow for responding to contractor's pre-bid questions, produce Addenda as needed

Construction Phase Services

- Review contractor's submittals & shop drawings (allow for initial review and one follow-up review).
- Respond to technical questions and RFI's during construction.
- Site visits: allow for up to **3 site visits** during construction phase.
- Review any related close-out documents and as-builts.

Structural Scope

- Provide wind design for roofs, include roof zone diagrams, wind loads, etc. per current FLBC
- We may want to add deck screws at perimeter or corner locations of the roof areas to provide wind enhancements, on Building 1 only.
- Provide basic details or information for closing roof deck at abandoned openings.
- Provide basic details or information for adding framing at existing rooftop equipment penetrations through the roof deck that do not currently have any framing (e.g. we identified at least one exhaust fan duct at the kitchen).
- Provide details or information for securing rooftop equipment from wind forces (like exhaust stacks that may need guy wires, fan cowlings that might need to be strapped down, etc.).

Mechanical/Electrical Scope

- Replace all rooftop gravity vents and curbs throughout Building 1. Provide new curbs that resist winds per FLBC.
- Direction for removing and reinstalling rooftop equipment that will be re-used, to facilitate the roof replacement. (new roof curbs may be needed to accommodate the new roof system)
- Bathroom exhaust flues: replace with new exhaust vents set on new roof curbs. Relocate them a few feet away from their current locations to allow clearance from adjacent penetrations.

Plumbing Scope

- West end of Roof 1D: relocate the plumbing vent away from the nearby gravity vent to meet code clearance requirements.
- Replace all roof drains, re-connect to existing leader piping.