

Office of School Facilities
Jaime G. Torrens, Chief Facilities Officer

SUBJECT: APPROVAL OF:

1. **FINAL CHANGE ORDER
CHANGE ORDER NO. 2 (ATTACHMENT A)
PROJECT NO. A01020
NEW MIDDLE SCHOOL PROTOTYPE
ZELDA GLAZER MIDDLE SCHOOL (S/S "UU1")
15015 SW 24 STREET, MIAMI, FLORIDA;**
2. **FINAL CHANGE ORDER
CHANGE ORDER NO. 1 (ATTACHMENT B)
PROJECT NO. A0725
NEW MIDDLE SCHOOL PROTOTYPE
HIALEAH GARDENS MIDDLE SCHOOL (S/S "MM1")
11690 NW 92 AVENUE, MIAMI, FLORIDA; AND**
3. **FINAL CHANGE ORDER
CHANGE ORDER NO. 2 (ATTACHMENT C)
PROJECT NO. A01026
NEW MIDDLE SCHOOL PROTOTYPE
ANDOVER MIDDLE SCHOOL (S/S "PP1")
121 NE 207 STREET, MIAMI, FLORIDA**

COMMITTEE: FACILITIES AND CONSTRUCTION REFORM

LINK TO STRATEGIC PLAN: IMPROVE CONSTRUCTION SERVICES

Background

At its meeting of July 12, 2006, in Item F-34, the School Board approved the award to James A. Cummings, Inc. of a contract to build three prototype middle schools in the amount of \$103,393,006 (inclusive of \$2,275,408 in owner's contingency). This price was 11.2% lower than the independent cost estimate of \$114,949,918 and 11.8% lower than the Project Architect's estimate of \$115,550,000 for the three schools.

In order to meet the planned occupancy date of August 2008, the then Chief Facilities Officer recommended award of these projects although construction plans were incomplete and still under development.

REPLACEMENT

F - 40

This was a conscious decision on the part of management at the time, to proceed with award while completion of the drawings and engineering calculations continued throughout the construction phase of the project. As a result, the construction management firm made extensive assumptions, as well as required numerous clarifications and proposed potential Value Engineering items in their quoted guaranteed maximum price; an aggravating factor was that despite these substantive uncertainties at the time of award, the owner's contingency was established at only 2.2%, an unusually low amount even for fully developed plans.

Further, an important benefit of a prototype construction program is to build one project then refine design and construction methods on subsequent iterations. This generally results in reduced cost and improved quality over time; however, the three middle schools were awarded concurrently thereby precluding any benefit to the District for lessons learned.

Description

At the request of the current Chief Facilities Officer, the items recommended in these change orders have been reviewed and validated by Quantum Consulting Group LLC, external auditors. The District is currently seeking reimbursement from the Project Architect for errors and omissions.

This request for change in the construction contract includes 107 items for the School Board's confirmation and consideration. Attachments A, B and C present a description of the items, the cause for each change, the effect upon the contract, and the action recommended to the Board. In order to prevent delay in the completion of the project, staff authorized the Construction Manager to proceed with the approval items. These items are presented to the Board for confirmation and consideration as required by State Statute.

Change Items Synopsis: These changes are primarily due to Value Engineering recommendations and assumptions included in the GMP that were not implemented, thereby requiring "Tectum" ceiling panels in lieu of standard acoustical tile ceilings in all classrooms, cast-in-place concrete in lieu of tilt-wall panels and increased exterior tilt-wall panel heights. These also include electrical, mechanical and structural upgrades due to revised calculations and design documents, credits for unused Builders Risk Insurance allowances and TV brackets.

These changes will increase the contract price for Zelda Glazer Middle School by \$2,144,450, for Hialeah Gardens Middle School by \$1,867,934 and for Andover Middle School by \$2,311,346. These items have been recommended by the Project Architect and were confirmed/approved by the Technical Review Committee on March 6, 20 and 23, 2009. They were found to be necessary, fair, and equitable.

RECOMMENDED: That The School Board of Miami-Dade County, Florida, confirm/approve:

1. Change Order No. 2 on Project No. A01020 (Attachment A) New Middle School Prototype, Zelda Glazer Middle School, Attachment A (S/S "UU1") for an additional cost of \$2,144,450;
2. Change Order No. 1 on Project No. A0725 (Attachment B) New Middle School Prototype, Hialeah Gardens Middle School, Attachment B (S/S "MM1") for an additional cost of \$1,867,934;
3. Change Order No. 2 on Project No. A01026 (Attachment C) New Middle School Prototype, Andover Middle School, (S/S "PP1") for an additional cost of \$2,311,346; and
4. authorize the Superintendent to withhold payment in an amount up to the value of the Architect's errors identified in the change orders for these projects, until such time as the District has resolved any pending issues with respect thereto.

JS:ayb

FINAL CHANGE ORDER

ATTACHMENT A

6052 Zelda Glazer Middle School

SUMMARY OF CHANGE ORDER NO.: 2

Project No.: A01020 New Middle School Prototype

ITEM	ACTION REQ	ORIG.	STAFF AUTH.	ARG APPVD.	TYPE	CAUSE	DOLLARS		DAYS	
							REQ.	AUTH. REC.	REQ.	AUTH. REC.
1	C	C	08/05/2008	02/18/2009	SC	SC	40,501.00	40,501.00	0	0
<p>Construction Manager provided labor, material and equipment to increase the heights of the exterior concrete tilt wall panels by one foot at all buildings. This was due to a Value Engineering recommendation in the GMP that was not incorporated.</p>										
2	C	C	02/18/2009	02/18/2009	OT	CR	27,394.00	27,394.00	0	0
<p>This reimburses the Construction Manager for unrealized sales tax savings of the district's direct purchase program.</p>										
3	C	C	02/18/2009	02/18/2009	OT	SR	9,420.10	9,420.00	0	0
<p>Construction Manager provided labor, material and equipment to pick up and modify solar school crossing signal lighting mast arms that were borrowed from Miami-Dade County Public Works; and then subsequently returning the newly ordered mast arms.</p>										
4	C	C	12/10/2008	02/18/2009	OT	SR	4,244.90	4,245.00	0	0
<p>Construction Manager provided labor, material and equipment to furnish and install a modified drainage outfall structure and associated piping for the lake on the North side in order to comply with DERM basin requirements.</p>										
5	C	P	08/05/2008	02/18/2009	OW	OR	(11,526.00)	(11,526.00)	0	0
<p>Credit for furnishing and installing VCT flooring in lieu of the specified carpet in the media center.</p>										
6	C	P	08/05/2008	02/18/2009	OW	OR	(21,442.00)	(21,442.00)	0	0
<p>Credit for not furnishing and installing TV brackets throughout the facility due to the installation of "Smartboards".</p>										

FINAL CHANGE ORDER

ATTACHMENT A

6052 Zelda Glazer Middle School

SUMMARY OF CHANGE ORDER NO.: 2

Project No.: A01020 New Middle School Prototype

ITEM	ACTION REQ	ORIG.	STAFF AUTH.	ARG APPVD.	TYPE	CAUSE	DOLLARS		DAYS	
							REQ.	AUTH. REC.	REQ.	AUTH. REC.
7	A	CM		02/18/2009	SC	SC	61,137.72	61,138.00	0	0
<p>This is to reimburse the Construction Manager for the cost of electricity subsequent to substantial completion and occupancy.</p>										
8	A	CM		02/18/2009	SC	SC	117,052.00	114,778.00	0	0
<p>Construction Manager to provide labor, material and equipment to furnish and install infrastructure for the added "Smartboards" in classrooms throughout the facility. This change in requirements is now being included in all projects.</p>										
9	A	C		02/18/2009	SC	SC	96,051.00	96,051.00	0	0
<p>Construction Manager to provide labor, material and equipment to construct cast-in-place concrete at the exterior corridors in lieu of tilt-wall panels. This was due to a Value Engineering recommendation in the GMP that was not incorporated.</p>										
10	C	P	12/10/2008	02/18/2009	OW	OR	(71,856.00)	(85,522.00)	0	0
<p>Credit for the unused Builders Risk Insurance allowance.</p>										
11	A	CM		02/18/2009	SC	SC	74,638.00	74,638.00	0	0
<p>This compensates the Construction Manager for additional on-site earthwork and site utilities work above and beyond the civil contract allowance.</p>										
12	A	CM		02/18/2009	SC	SC	182,770.00	176,142.00	0	0
<p>Construction Manager to provide labor, material and equipment to furnish and install "Tectum" ceiling panels between structural joists in lieu of suspended acoustical tile ceilings in all</p>										

FINAL CHANGE ORDER

ATTACHMENT A

6052 Zelda Glazer Middle School

SUMMARY OF CHANGE ORDER NO.: 2

Project No.: A01020 New Middle School Prototype

ITEM	ACTION REQ	ORIG.	STAFF AUTH.	ARG APPVD.	TYPE	CAUSE	REQ.	DOLLARS		DAYS	
								AUTH. REC.	REQ.	AUTH. REC.	REQ.
						classrooms. This was due to a Value Engineering recommendation in the GMP that was not incorporated.					
13	C	I	11/28/2007	02/18/2009	ER	MEE	25,908.00	25,908.00	0	0	
						Construction Manager provided labor, material and equipment to furnish and install additional fire dampers in lieu of already installed smoke dampers at Buildings "B" and "F" vestibule and corridors, as required by the Building Inspector.					
14	C	C	08/05/2008	02/18/2009	ER	SEE	18,968.00	18,968.00	0	0	
						Construction Manager provided labor, material and equipment to increase tilt wall parapet height, in order to properly flash and terminate the roofing system at Building "F".					
15	C	C	08/05/2008	02/18/2009	ER	EEE	23,912.00	23,039.00	0	0	
						Construction Manager provided labor, material and equipment to replace improperly specified light fixtures at the exterior corridors of the Language Arts Laboratory and to furnish and install protective wire guards on all exterior corridor exit signs.					
16	C	C	08/05/2008	02/18/2009	ER	AE	46,277.00	35,000.00	0	0	
						Construction Manager provided labor, material and equipment to construct a new computer server room on the second floor of building "A". The designated computer server room on the first floor was utilized for ITS components since the ITS Equipment Room was too small. This includes all architectural, electrical and mechanical changes.					

FINAL CHANGE ORDER

ATTACHMENT A

6052 Zelda Glazer Middle School

SUMMARY OF CHANGE ORDER NO.: 2

Project No.: A01020 New Middle School Prototype

ITEM	ACTION REQ	ORIG.	STAFF AUTH.	ARG APPVD.	TYPE	CAUSE	DOLLARS		DAYS	
							REQ.	AUTH. REC.	REQ.	AUTH. REC.
17	C	C	08/05/2008	02/18/2009	ER	MEE	7,941.00	7,941.00	0	0
Construction Manager provided labor, material and equipment to reroute HVAC ductwork and to furnish and install additional fire dampers for the stage exhaust fan in Building "F", due to design changes at the thrust stage.										
18	C	CM	11/28/2007	02/18/2009	ER	AE	34,760.00	17,029.00	0	0
Construction Manager provided labor, material and equipment to increase the height of the parapet and elevator machine room walls, and construct a masonry enclosure at the grand stair.										
19	C	CM	02/11/2007	02/18/2009	ER	MEE	9,804.00	7,882.00	0	0
Construction Manager provided labor, material and equipment to furnish and install an additional kiln room exhaust vent and associated ductwork.										
20	C	I	11/28/2007	02/18/2009	ER	MEE	46,313.00	42,173.00	0	0
Construction Manager provided labor, material and equipment to furnish and install additional floor sinks and floor drains in the food preparation, locker rooms, and compactor areas of Building "F", as required by the Building Inspector.										
21	C	I	12/15/2007	02/18/2009	ER	MEE	31,930.00	24,125.00	0	0
Construction Manager provided labor, material and equipment to furnish and install additional HVAC system fire dampers in the Building "F" kitchen, as required by the Building Inspector.										
22	C	CM	11/28/2007	02/18/2009	OM	CEO	7,842.00	7,319.00	0	0
Construction Manager provided labor, material and equipment to furnish and										

FINAL CHANGE ORDER

ATTACHMENT A

6052 Zelda Glazer Middle School

SUMMARY OF CHANGE ORDER NO.: 2

Project No.: A01020 New Middle School Prototype

ITEM	ACTION REQ	ORIG.	STAFF AUTH.	ARG APPVD.	TYPE	CAUSE	DOLLARS REQ.	DAYS		AUTH. REC.
								REQ.	AUTH. REC.	
						install additional 6" diameter sanitary sewer and potable water lines, as required by WASA.				
23	C	C	08/05/2008	02/18/2009	ER	SEE	26,634.00	26,634.00	0	0
						Construction Manager provided labor, material and equipment to furnish and install thickened concrete floor slab edges at the breezeways of Building "A" and the P.E. shelter at Building "G".				
24	C	I	08/05/2008	02/18/2009	OM	AO	2,616.00	1,877.00	0	0
						Construction Manager provided labor, material and equipment to furnish and install fencing with a gate around the gas regulators at Buildings "B" and "F", as required by the Building Inspector.				
25	C	C	08/05/2008	02/18/2009	OM	SEO	18,885.00	14,885.00	0	0
						Construction Manager provided labor, material and equipment to furnish and install additional pipe column supports at the Building "D" connector walkways.				
26	C	C	08/05/2008	02/18/2009	OM	AO	68,055.00	31,777.00	0	0
						Construction Manager provided labor, material and equipment to furnish and install additional and different-than-specified windows and storefronts.				
27	C	C	08/05/2008	02/18/2009	OM	AO	20,850.00	20,850.00	0	0
						Construction Manager provided labor, material and equipment to furnish and install additional framing for soffits at the serving lines at Building "F".				
28	A	I		02/18/2009	OM	MEO	305,264.00	248,408.00	0	0
						Construction Manager to provide labor,				

FINAL CHANGE ORDER

ATTACHMENT A

6052 Zelda Glazer Middle School

SUMMARY OF CHANGE ORDER NO.: 2

Project No.: A01020 New Middle School Prototype

ITEM	ACTION REQ	ORIG.	STAFF AUTH.	ARG APPVD.	TYPE	CAUSE	DOLLARS		DAYS	
							REQ.	AUTH. REC.	REQ.	AUTH. REC.
						material and equipment to furnish and install additional larger-than-specified HVAC system chilled water piping, additional smoke and fire dampers, ductwork and insulation, per revised Mechanical Engineer's calculations and drawings throughout the facility.				
29	A	C		02/18/2009	OT	SR	94,160.00	0.00	155	84
						This is to extend the contract completion time with no additional compensation due to additional off-site work including signalization, sidewalks, drainage and roadway restoration as required by outside agencies including Public Works, WASA, DERM and the Department of Health. This additional work was approved as item #2 of Change order #1 at the Board Meeting of July 15, 2008.				
30	C	C	12/10/2008	02/18/2009	ER	AE	17,873.00	17,000.00	0	0
						Construction Manager provided labor, material and equipment to furnish and install additional exterior gates and hardware at Building "B", and additional removable picket railing with sleeves at the Band and Vocal Classrooms.				
31	C	C	12/10/2008	02/18/2009	ER	EEE	14,478.00	14,000.00	0	0
						Construction Manager provided labor, material and equipment to furnish and install miscellaneous additional electrical conduits, wiring, receptacles and lighting fixture at various locations throughout the facility. This included cutting, patching and finish painting.				
32	C	C	12/10/2008	02/18/2009	ER	AE	4,772.00	4,000.00	0	0
						Construction Manager provided labor, material and equipment to remove and relocate chain link gates to the				

FINAL CHANGE ORDER

ATTACHMENT A

6052 Zelda Glazer Middle School

SUMMARY OF CHANGE ORDER NO.: 2

Project No.: A01020 New Middle School Prototype

ITEM	ACTION REQ	ORIG.	STAFF AUTH.	ARG APPVD.	TYPE	CAUSE	REQ.	DOLLARS		DAYS	
								AUTH. REC.	REQ.	AUTH. REC.	REQ.
						north-side of Building "F" storage rooms for access, to remove concrete bollards, and patch and paint at the trash dumpster enclosure.					
33	C	I	12/10/2008	02/18/2009	ER	AE	6,171.00	6,000.00	0	0	
						Construction Manager provided labor, material and equipment to furnish and install a one-hour fire rated roll-up door in lieu of the specified roll-up door at the stage storage room, as required by the Building Inspector at the time of occupancy.					
34	C	C	12/10/2008	02/18/2009	ER	AE	8,567.00	8,000.00	0	0	
						Construction Manager provided labor, material and equipment to modify casework and associated plumbing and drywall, in order to comply with ADA codes in the clinic and Director's Tech Processing.					
35	C	C	08/05/2008	02/18/2009	ER	MEE	9,019.00	8,139.00	0	0	
						Construction Manager provided labor, material and equipment to furnish and install an additional in-line exhaust fan and associated louver and electrical supply for the elevator machine room at Building "D".					
36	C	C	12/10/2008	02/18/2009	ER	EEE	11,843.00	11,363.00	0	0	
						Construction Manager provided labor, material and equipment to furnish and install additional lighting dimmer system components at the CCTV room in Building "A", per the revised electrical drawings.					
37	C	CM	06/09/2008	02/18/2009	OM	AO	50,815.00	31,832.00	0	0	
						Construction Manager provided labor, material and equipment to furnish and install additional rainwater leaders, and					

FINAL CHANGE ORDER

ATTACHMENT A

6052 Zelda Glazer Middle School

SUMMARY OF CHANGE ORDER NO.: 2

Project No.: A01020 New Middle School Prototype

ITEM	ACTION REQ	ORIG.	STAFF AUTH.	ARG APPVD.	TYPE	CAUSE	DOLLARS		DAYS	
							REQ.	AUTH. REC.	REQ.	AUTH. REC.
						drainage piping for some of the covered walkways.				
38	C	C	12/10/2008	02/18/2009	ER	MEE	94,927.00	37,573.00	0	0
						Construction Manager provided labor, material and equipment to furnish and install additional, condensate lines, hot water lines, roof drains, water heaters and associated piping throughout the facility.				
39	C	C	12/10/2008	02/18/2009	ER	EEE	75,382.00	48,752.00	0	0
						Construction Manager provided labor, material and equipment to furnish and install additional security card access points at Buildings "A" and "F". This includes programming and testing.				
40	A	C		02/18/2009	OM	EEO	201,502.00	135,466.00	0	0
						Construction Manager to provide labor, material and equipment to furnish and install additional lighting dimmer system components at the Language Arts Building per Engineer's revised drawings.				
41	A	C		02/18/2009	OM	EEO	1,395,037.00	782,693.00	0	0
						Construction Manager provided labor, material and equipment to furnish and install higher capacity electrical switchgear equipment, conduit and wiring, additional electrical panels, disconnect switches, and large power transformers primarily due to increased load requirements as per revised Electrical Engineer's calculations and drawings throughout the facility. Cost has been reviewed and approved by an independent cost estimating firm.				

CHANGE ORDER TOTAL: 2,144,450.00

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FINAL CHANGE ORDER

SUMMARY OF CHANGE ORDER NO.: 2

Facility: 6052 Zelda Glazer Middle School
 Project No.: A01020
 Description: NEW MIDDLE SCHOOL PROTOTYPE
 Architect: SPILLIS CANDELA & PARTNERS, INC.
 EFCO: BERMELO, AJAMIL & PARTNERS
 Contractor: JAMES A. CUMMINGS, INC.

PRIME: JAMES A. CUMMINGS

CONTRACT STATUS

ORIGINAL CONTRACT PRICE.....	\$	34,995,606.00
PREVIOUS EXTRAS.....	\$	461,149.00
PREVIOUS CREDITS.....	\$	0.00
PREVIOUS APPROVED NET CHANGE.....	\$	461,149.00
PREVIOUS APPROVED CONTRACT PRICE.....	\$	35,456,755.00
THIS CHANGE.....	\$	2,144,450.00
TOTAL NET CHANGE.....	\$	2,605,599.00
ADJUSTED CONTRACT PRICE AFTER THIS CHANGE.....	\$	37,601,205.00
CONTRACT AWARD DATE.....		July 12, 2006
ORIGINAL CONTRACT COMPLETION DATE.....		February 06, 2008
PREVIOUS TIME EXTENSION.....		0
PREVIOUS ADJUSTED COMPLETION DATE.....		February 06, 2008
TIME EXTENSION THIS CHANGE.....		84
ADJUSTED COMPLETION DATE AFTER THIS CHANGE.....		April 30, 2008
PROJECTED COMPLETION DATE.....		N/A
SUBSTANTIAL COMPLETION DATE.....		April 30, 2008

CHANGE CAUSE SUMMARY:

(Totals Including This Change Order. Errors + 15% Omissions threshold = 1-1/2%)

TYPE	AMOUNT	%	DAYS
ERRORS.....	\$ 383,526.00	1.10	0
OMISSIONS.....	\$ 1,275,107.00	3.64	0
OWNER REQUESTS...	\$ -118,490.00	-0.34	0
UNFORESEEN.....	\$ 0.00	0.00	0
OTHER.....	\$ 502,208.00	1.44	84
SCOPE CHANGE.....	\$ 563,248.00	1.61	0
HURRICANE.....	\$ 0.00	0.00	0
Totals	\$ 2,605,599.00	7.45	84

LEGEND:

ORIGIN:

- A-- A/E
- E-- Educational Fac. Plan.
- P-- Project Manager
- D-- DCPS Specialists/Depts.
- C-- Contractor
- S-- State DOE
- M-- Maintenance Dept.
- U-- User (Principal/Admin.)
- I-- UBCI
- AM--Asbestos Mgmt.
- DS--Design Services (Group)
- CM--Construction Manager

ACTION:

- A-- Approve
- C-- Confirm Staff/TRC Authorize
- C/A--Confirm/Approce Authorize

TYPE:

- ER--PA/E Error
- HC--Hurricane
- OM--P/A Omission
- OT--Other
- OW--Owner Request
- SC--Scope Change
- UN--Unforseen

CAUSE:

- AE --Architectural Error
- AO --Architectural Omission
- EEE--Electrical Engineering Error
- EEO--Electrical Engineering Omission
- MEE--Mechanical Engineering Error
- MEO--Mechanical Engineering Omission
- SEE--Structural Engineering Error
- SEO--Structural Engineering Omission
- CEE--Civil Engineering Error
- CEO--Civil Engineering Omission
- DBR--Design-Builder Request
- DBE--Design-Builder Error

- DBO--Design-Builder Omission
- DBD--Design-Builder Default
- CD-- Contractor Default
- CE-- Contractor Error
- CR-- Contractor Request
- FE-- Fastrack/Coord. Error
- FO-- Fastrack/Coord. Omission
- ID-- Inspection Delay
- MD-- Manufacturer's Delay
- OO-- Owner Omission
- OD-- Owner Delay
- OR-- Owner Request
- RA-- Reinstate Alternate
- SC-- Scope Change
- SR-- State Requirement/Local/City
- RD-- Rain Delay
- UC-- Unforseen Conditions
- UD-- Utility Co. Delay
- CL-- Clerical Error
- UP-- Unit Price
- UR-- Utility Requirement
- CMO--Construction Manager Omission
- CME--Construction Manager Error
- CC-- Criteria Change

FINAL CHANGE ORDER

ATTACHMENT B

6751 Hialeah Gardens Middle School

SUMMARY OF CHANGE ORDER NO.: 1

Project No.: A0725 New Middle School Prototype

ITEM	ACTION REQ	ORIG.	STAFF AUTH.	ARG APPVD.	TYPE	CAUSE	REQ.	DOLLARS		DAYS	
								AUTH. REC.	REQ.	AUTH. REC.	REQ.
1	C	CM	11/26/2007	02/18/2009	ER	MEE	32,387.00	31,241.00	0	0	
<p>Construction Manager provided labor, material and equipment to remove and replace HVAC ductwork in order to furnish and install additional fire dampers at Buildings "B" and "F".</p>											
2	C	C	08/05/2008	02/18/2009	ER	AE	55,711.00	35,000.00	0	0	
<p>Construction Manager provided labor, material and equipment to construct a new computer server room on the second floor of Building "A". The designated computer server room on the first floor was utilized for ITS components since the ITS Equipment Room was too small. This includes all architectural, electrical, and mechanical changes.</p>											
3	C	C	08/05/2008	02/18/2009	SC	SC	40,501.00	40,501.00	0	0	
<p>Construction Manager provided labor, material and equipment to increase the heights of the exterior tilt-wall panel by one foot at all Buildings. This was due to a Value Engineering recommendation in the GMP that was not incorporated.</p>											
4	C	C	08/05/2008	02/18/2009	SC	SC	27,668.00	27,668.00	0	0	
<p>Construction Manager provided labor, material and equipment to furnish and install 3" diameter underground conduit and associated in-ground pull boxes for "Comcast" cable service.</p>											
5	A	CM		02/18/2009	SC	SC	182,770.00	168,148.00	0	0	
<p>Construction Manager to provide labor, material and equipment to furnish and install "Tectum" ceiling panels between structural joists in lieu of suspended acoustical tile ceilings in all classrooms. This was due to a Value</p>											

FINAL CHANGE ORDER

ATTACHMENT 6

6751 Hialeah Gardens Middle School

SUMMARY OF CHANGE ORDER NO.: 1

Project No.: A0725 New Middle School Prototype

ITEM	ACTION REQ	ORIG.	STAFF AUTH.	ARG APPVD.	TYPE	CAUSE	DOLLARS		DAYS	
							REQ.	AUTH. REC.	REQ.	AUTH. REC.
Engineering recommendation in the GMP that was not incorporated.										
6	C	C	08/05/2008		ER	EEE	23,039.00	23,039.00	0	0
Construction Manager provided labor, material and equipment to replace improperly specified light fixtures at the exterior corridors of the Language Arts Laboratory and to furnish and install protective wire guards on all exterior corridors exit signs.										
7	C	C	08/05/2008		ER	SEE	18,968.00	18,968.00	0	0
Construction Manager provided labor, material and equipment to increase tilt wall parapet height in order to properly flash and terminate the roofing system at Building "F".										
8	A	C		02/18/2009	SC	SC	96,051.00	96,051.00	0	0
Construction Manager to provide labor, material and equipment to construct cast-in-place concrete at the exterior corridors in lieu of tilt-wall panels. This was due to a Value Engineering recommendation in the GMP that was not incorporated.										
9	C/A	C	08/05/2008		ER	EEE	13,824.00	11,559.00	0	0
Construction Manager provided labor, material and equipment to furnish different-than-specified main circuit breakers and associated main feeders at electrical panels in Buildings "B", "D" and "F".										
10	C	P	12/10/2008	02/18/2009	OW	OR	(34,170.00)	(85,528.00)	0	0
Credit for the unused Builders Risk Insurance allowances.										

FINAL CHANGE ORDER

ATTACHMENT B

6751 Hialeah Gardens Middle School

SUMMARY OF CHANGE ORDER NO.: 1

Project No.: A0725 New Middle School Prototype

ITEM	ACTION REQ	ORIG.	STAFF AUTH.	ARG APPVD.	TYPE	CAUSE	REQ.	DOLLARS		DAYS	
								AUTH. REC.	REQ.	AUTH. REC.	REQ.
11	C	P	12/10/2008	02/18/2009	OW	OR	(21,625.00)	(21,625.00)	0	0	
<p>Credit for not furnishing and installing TV brackets throughout the facility due to the addition of "Smartboards".</p>											
12	C	C	08/05/2008		ER	EEE	17,491.00	7,754.00	0	0	
<p>Construction Manager provided labor, material and equipment for remedial work associated with the installation of the instant water heaters for the Dressing Rooms at Building "F".</p>											
13	A	C		02/18/2009	OM	EEO	1,006,671.00	765,837.00	0	0	
<p>Contractor provided labor, material and equipment to furnish and install higher capacity electrical switchgear equipment, conduit and wiring, additional electrical panels, disconnect switches, and large power transformers primarily due to increased load requirements as per revised Electrical Engineer's calculations and drawings throughout the facility. Cost has been reviewed and approved by an independent cost estimating firm.</p>											
14	C	CM	11/26/2007		OM	AO	14,386.00	10,885.00	0	0	
<p>Construction Manager provided labor, material and equipment to furnish and install additional soffits and different-than-specified interior partition walls and insulation in order to meet a higher sound rating than initially specified in classrooms and teacher planning areas.</p>											
15	C	CM	11/26/2007		ER	AE	30,269.00	27,967.00	0	0	
<p>Construction Manager provided labor, material and equipment to increase the height of the parapet and elevator machine room walls and construct a masonry</p>											

FINAL CHANGE ORDER

6751 Hialeah Gardens Middle School

SUMMARY OF CHANGE ORDER NO.: 1

Project No.: A0725 New Middle School Prototype

ITEM	ACTION REQ	ORIG.	STAFF AUTH.	ARG APPVD.	TYPE	CAUSE	DOLLARS		DAYS	
							REQ.	AUTH. REC.	REQ.	AUTH. REC.
						enclosure at the grand stairs. This included demolition work at Building "A".				
16	C	P	11/26/2007		OM	CEO	5,551.00	5,079.00	0	0
						Construction Manager provided labor, material and equipment to construct an additional sanitary sewer system utility access port and associated piping.				
17	C	P	11/26/2007		OM	AO	8,005.00	7,882.00	0	0
						Construction Manager provided labor, material and equipment to furnish and install additional hollow metal door frames, hardware, and a landing extension at Building "A".				
18	C	CM	02/11/2007		ER	MEE	9,347.00	8,729.00	0	0
						Construction Manager provided labor, material and equipment to reroute HVAC system exhaust ductwork at the stage and to furnish and install an additional kiln room exhaust vent and associated ductwork.				
19	C	I	11/26/2007		ER	MEE	47,813.00	42,173.00	0	0
						Construction Manager provided labor, material and equipment to furnish and install additional floor sinks and floor drains in the food preparation, locker rooms, and compactor areas of Building "F", as required by the Building Inspector.				
20	C	C	12/10/2008		ER	AE	17,805.00	17,000.00	0	0
						Construction Manager provided labor, material and equipment to modify casework and associated plumbing and drywall, in order to comply with ADA codes in the clinic, production workroom, Director's Tech Processing and other locations throughout the Facility.				

FINAL CHANGE ORDER
 6751 Hialeah Gardens Middle School
 SUMMARY OF CHANGE ORDER NO.: 1
 Project No.: A0725 New Middle School Prototype

ITEM	ACTION REQ	ORIG.	STAFF AUTH.	ARG APPVD.	TYPE	CAUSE	DOLLARS		DAYS	
							REQ.	AUTH. REC.	REQ.	AUTH. REC.
21	A	C			OT	SR	0.00	0.00	78	78
<p>This is to extend the contract completion time with no additional compensation due to additional off-site work including signalization, sidewalks, drainage and roadway restoration as required by outside agencies including Public Works, WASA, DERM and the Department of Health. This additional work was approved as item #2 of change order #1 at the Board Meeting of July 15, 2008.</p>										
22	C	I	12/15/2007		ER	MEE	37,267.00	30,267.00	0	0
<p>Construction Manager provided labor, material and equipment to furnish and install additional HVAC system fire dampers in the Building "F" kitchen, as required by the Building Inspector.</p>										
23	C	C	08/05/2008		ER	SEE	26,634.00	26,634.00	0	0
<p>Construction Manager provided labor, material and equipment to furnish and install thickened concrete floor slab edges at the breezeways of Building "A" and P.E. shelter at Building "G".</p>										
24	C	I	12/10/2008		ER	AE	6,171.00	6,000.00	0	0
<p>Construction Manager provided labor, material and equipment to furnish and install a one-hour fire rated roll-up door in lieu of the specified roll-up door at the stage storage room, as required by the Building Inspector.</p>										
25	C	C	12/10/2008		ER	EEE	15,737.00	6,269.00	0	0
<p>Construction Manager provided labor and material for remedial work associated with the HVAC system motorized dampers in the Science Demonstration classrooms.</p>										

FINAL CHANGE ORDER

ATTACHMENT B

6751 Hialeah Gardens Middle School

SUMMARY OF CHANGE ORDER NO.: 1

Project No.: A0725 New Middle School Prototype

ITEM	ACTION REQ	ORIG.	STAFF AUTH.	ARG APPVD.	TYPE	CAUSE	DOLLARS		DAYS	
							REQ.	AUTH. REC.	REQ.	AUTH. REC.
26	C	I	08/05/2008		OM	AO	2,616.00	1,877.00	0	0
			Construction Manager provided labor, material and equipment to furnish and install fencing with a gate around the gas regulators at Buildings "B" and "F", as required by the Building Inspector.							
27	C	C	08/05/2008		ER	EEE	25,333.00	25,011.00	0	0
			Construction Manager provided labor, material and equipment to furnish and install electrical power cut-off switches in the computer labs, as required by the Building Inspector.							
28	C	I	12/10/2008		OM	AO	35,121.00	11,067.00	0	0
			Construction Manager provided labor, material and equipment to furnish and install additional removable picket railings with sleeves at building "B" and "F", for egress purposes as required by the Building Inspector.							
29	C	I	12/10/2008		OM	AO	12,645.00	12,645.00	0	0
			Construction Manager provided labor, material and equipment to furnish and install additional exterior gates and hardware at Building "B", for increased security purposes.							
30	C	C	08/05/2008		OM	SEO	5,113.00	5,113.00	0	0
			Construction Manager provided labor, material and equipment to furnish and install additional structural tube steel at the Building "A" storefront openings.							
31	A	CM			OM	CEO	92,746.00	61,806.00	0	0
			Construction Manager to provide labor, material and equipment to furnish and install rainwater leaders, downspouts and							

FINAL CHANGE ORDER

ATTACHMENT B

6751 Hialeah Gardens Middle School

SUMMARY OF CHANGE ORDER NO.: 1

Project No.: A0725 New Middle School Prototype

ITEM	ACTION REQ	ORIG.	STAFF AUTH.	ARG APPVD.	TYPE	CAUSE	DOLLARS		DAYS	
							REQ.	AUTH. REC.	REQ.	AUTH. REC.
						storm drainage systems for the covered walkways.				
32	C	C	12/10/2008		ER	EEE	34,632.00	32,169.00	0	0
						Construction Manager provided labor, material and equipment to furnish and install additional lighting dimmer system components at the CCTV room in Building "A" per Engineer's revised drawings.				
33	C	C	12/10/2008		OM	MEO	94,650.00	37,573.00	0	0
						Construction Manager provided labor, material and equipment to furnish and install additional condensate lines, hot water lines, roof drains, water heaters and associated piping throughout the facility per Engineer's revised drawings.				
34	A	I			OM	MEO	278,837.00	210,835.00	0	0
						Construction Manager to provide labor, material and equipment to furnish and install additional larger-than-specified HVAC system chilled water piping, and additional ductwork and insulation, per revised Mechanical Engineer's calculations and drawings throughout the facility.				
35	C	C	12/10/2008		ER	AE	18,312.00	18,312.00	0	0
						Construction Manager provided labor, material and equipment to furnish and install additional framing for soffits at the serving lines at Building "F".				
36	A	C			ER	AE	92,975.00	68,943.00	14	0
						Construction Manager to provide labor, material and equipment to furnish and install additional security card access points at Building "A" and "F". This includes associated glass store front modifications, programming and testing.				

FINAL CHANGE ORDER

6751 Hialeah Gardens Middle School

SUMMARY OF CHANGE ORDER NO.: 1

Project No.: A0725 New Middle School Prototype

ITEM	ACTION REQ	ORIG.	STAFF AUTH.	ARG APPVD.	TYPE	CAUSE	DOLLARS		DAYS	
							REQ.	AUTH. REC.	REQ.	AUTH. REC.
37	A	C		02/18/2009	ER	EEE	189,348.00	75,085.00	28	0
<p>Construction Manager to provide labor, material and equipment to furnish and install additional lighting dimmer system components at the Language Arts Building per Engineer's revised drawings.</p>										
CHANGE ORDER TOTAL:							1,867,934.00		78	

FINAL CHANGE ORDER

SUMMARY OF CHANGE ORDER NO.: 1

Facility: 6751 Hialeah Gardens Middle School
 Project No.: A0725
 Description: NEW MIDDLE SCHOOL PROTOTYPE
 Architect: SPILLIS CANDELA & PARTNERS, INC.
 EFCO: BERMELLO, AJAMIL & PARTNERS
 Contractor: JAMES A. CUMMINGS, INC.

PRIME: JAMES A. CUMMINGS

CONTRACT STATUS

ORIGINAL CONTRACT PRICE.....	\$	34,893,847.00
PREVIOUS EXTRAS.....	\$	0.00
PREVIOUS CREDITS.....	\$	0.00
PREVIOUS APPROVED NET CHANGE.....	\$	0.00
PREVIOUS APPROVED CONTRACT PRICE.....	\$	34,893,847.00
THIS CHANGE.....	\$	1,867,934.00
TOTAL NET CHANGE.....	\$	1,867,934.00
ADJUSTED CONTRACT PRICE AFTER THIS CHANGE.....	\$	36,761,781.00
CONTRACT AWARD DATE.....		July 12, 2006
ORIGINAL CONTRACT COMPLETION DATE.....		February 06, 2008
PREVIOUS TIME EXTENSION.....		0
PREVIOUS ADJUSTED COMPLETION DATE.....		February 06, 2008
TIME EXTENSION THIS CHANGE.....		78
ADJUSTED COMPLETION DATE AFTER THIS CHANGE.....		April 24, 2008
PROJECTED COMPLETION DATE.....		N/A
SUBSTANTIAL COMPLETION DATE.....		April 24, 2008

CHANGE CAUSE SUMMARY:

(Totals Including This Change Order. Errors + 15% Omissions threshold = 1-1/2%)

TYPE	AMOUNT	%	DAYS
ERRORS.....	\$ 512,120.00	1.47	0
OMISSIONS.....	\$ 1,130,599.00	3.24	0
OWNER REQUESTS...\$	-107,153.00	-0.31	0
UNFORESEEN.....\$	0.00	0.00	0
OTHER.....\$	0.00	0.00	78
SCOPE CHANGE.....\$	332,368.00	0.95	0
HURRICANE.....\$	0.00	0.00	0
Totals	\$ 1,867,934.00	5.35	78

LEGEND:

TYPE:

- DBO--Design-Builder Omission
- DBD--Design-Builder Default
- CD-- Contractor Default
- CE-- Contractor Error
- CR-- Contractor Request
- FE-- Fastrack/Coord. Error
- FO-- Fastrack/Coord. Omission
- ID-- Inspection Delay
- MD-- Manufacturer's Delay
- OO-- Owner Omission
- OD-- Owner Delay
- OR-- Owner Request
- RA-- Reinstate Alternate
- SC-- Scope Change
- SR-- State Requirement/Local/City
- RD-- Rain Delay
- UC-- Unforeseen Conditions
- UD-- Utility Co. Delay
- CL-- Clerical Error
- UP-- Unit Price
- UR-- Utility Requirement
- CMO--Construction Manager Omission
- CME--Construction Manager Error
- CC-- Criteria Change

ORIGIN:

- ER--PA/E Error
- HC--Hurricane
- OM--P/A Omission
- OT--Other
- OW--Owner Request
- SC--Scope Change
- UN--Unforseen

CAUSE:

- AE --Architectural Error
- AO --Architectural Omission
- EEE--Electrical Engineering Error
- EEO--Electrical Engineering Omission
- MEE--Mechanical Engineering Error
- MEO--Mechanical Engineering Omission
- SEE--Structural Engineering Error
- SEO--Structural Engineering Omission
- CEE--Civil Engineering Error
- CEO--Civil Engineering Omission
- DBR--Design-Builder Request
- DBE--Design-Builder Error

A-- A/E

E-- Educational Fac. Plan.

P-- Project Manager

D-- DCPS Specialists/Depts.

C-- Contractor

S-- State DOE

M-- Maintenance Dept.

U-- User (Principal/Admin.)

I-- UBCI

AM--Asbestos Mgmt.

DS--Design Services (Group)

CM--Construction Manager

ACTION:

A-- Approve

C-- Confirm Staff/TRC Authorize

C/A--Confirm/Approce Authorize

FINAL CHANGE ORDER

ATTACHMENT C

6023 Andover Middle School

SUMMARY OF CHANGE ORDER NO.: 2

Project No.: A01026 New Middle School Prototype

ITEM	ACTION REQ	ORIG.	STAFF AUTH.	ARG APPVD.	TYPE	CAUSE	DOLLARS		DAYS	
							REQ.	AUTH. REC.	REQ.	AUTH. REC.
1	C	C	08/05/2008	02/18/2009	SC	SC	40,501.00	40,501.00	0	0
<p>Construction Manager provided labor, material and equipment to increase the concrete panels heights of the exterior tilt-wall by one foot at all Buildings. This was due to a Value Engineering recommendation in the GMP that was not incorporated.</p>										
2	A	P		02/18/2009	OW	OR	51,068.00	51,068.00	0	0
<p>This reimburses the Construction Manager for the cost of site security personnel, which was specifically not included in the original GMP.</p>										
3	A	C		02/18/2009	SC	SC	96,051.00	96,051.00	0	0
<p>Construction Manager to provide labor, material and equipment to construct cast-in-place concrete at the exterior corridors in lieu of tilt-wall panels. This was due to a Value Engineering recommendation in the GMP that was not incorporated.</p>										
4	C	P	12/10/2008	02/18/2009	OW	OR	(34,170.00)	(85,528.00)	0	0
<p>Credit for the unused Builders Risk Insurance allowances.</p>										
5	C	P		02/18/2009	OW	OR	(9,211.00)	(9,211.00)	0	0
<p>Credit for furnishing and installing VCT flooring in lieu of carpet in the media center and administration areas.</p>										
6	A	C		02/18/2009	OT	SR	282,914.00	246,298.00	60	30
<p>Construction Manager to provide labor, material and equipment to furnish and install off-site improvements including landscaping, fencing, fire lane and parking signage, asphalt paving repairs, water meter box and associated surveying</p>										

FINAL CHANGE ORDER

ATTACHMENT C

6023 Andover Middle School

SUMMARY OF CHANGE ORDER NO.: 2

Project No.: A01026 New Middle School Prototype

ITEM	ACTION REQ	ORIG.	STAFF AUTH.	ARG APPVD.	TYPE	CAUSE	DOLLARS		DAYS	
							REQ.	AUTH. REC.	REQ.	AUTH. REC.
						services, all as required by the City of Miami Gardens.				
7	A	CM			SC	SC	129,467.00	129,467.00	0	0
						This compensates the Construction Manager for additional on-site earthwork and site utilities work above and beyond the civil contract allowance.				
8	C	CM			SC	OR	86,927.00	82,581.00	0	0
						Construction Manager to provide labor, material and equipment to furnish and install additional and different-than-specified finish hardware, as required by the M-DCPS Lock Shop.				
9	A	CM		02/18/2009	OT	CR	52,944.00	52,944.00	0	0
						This is to reimburse the Construction Manager for the cost of electricity subsequent to substantial completion and occupancy.				
10	A	C		02/18/2009	OM	EEO	987,284.00	569,766.00	0	0
						Contractor provided labor, material and equipment to furnish and install higher capacity electrical switchgear equipment, conduit and wiring, additional electrical panels, disconnect switches, and large power transformers primarily due to increased load requirements as per revised Electrical Engineer's calculations and drawings throughout the facility. Cost has been reviewed and approved by an independent cost estimating firm.				
11	C	C	08/05/2008	02/18/2009	ER	SEE	18,968.00	18,968.00	0	0
						Construction Manager provided labor, material and equipment to increase tilt wall parapet height, in order to properly flash and terminate the roofing system at				

FINAL CHANGE ORDER

ATTACHMENT C

6023 Andover Middle School

SUMMARY OF CHANGE ORDER NO.: 2

Project No.: A01026 New Middle School Prototype

ITEM	ACTION REQ	ORIG.	STAFF AUTH.	ARG APPVD.	TYPE	CAUSE	DOLLARS		DAYS	
							REQ.	AUTH. REC.	REQ.	AUTH. REC.
						building "F".				
12	C	C	08/05/2008	02/18/2009	ER	EEE	13,824.00	11,559.00	0	0
						Construction Manager provided labor, material and equipment to furnish and install different-than-specified main circuit breakers and associated main feeders at electrical panels in Buildings "B", "D" and "F".				
13	C	C	08/05/2008	02/18/2009	ER	EEE	17,438.00	7,754.00	0	0
						Construction Manager provided labor, material and equipment for remedial work associated with the installation of the instant water heaters for the Dressing Rooms at Building "F".				
14	C	C	08/05/2008	02/18/2009	ER	EEE	28,313.00	23,039.00	0	0
						Construction Manager provided labor, material and equipment to replace improperly specified light fixtures at the exterior corridors for the Language Arts Laboratory and to furnish and install protective wire guards on all exterior corridor exit signs.				
15	C	C	08/05/2008	02/18/2009	ER	AE	46,277.00	35,000.00	0	0
						Construction Manager provided labor, material and equipment to construct a new computer server room on the second floor of Building "A". The designated computer server room on the first floor was utilized for ITS components since the ITS Equipment Room was too small. This includes all architectural, electrical and mechanical changes.				
16	C	I	08/05/2008	02/18/2009	ER	EEE	26,373.00	25,011.00	0	0
						Construction Manager provided labor, material and equipment to furnish and				

FINAL CHANGE ORDER

ATTACHMENT C

6023 Andover Middle School

SUMMARY OF CHANGE ORDER NO.: 2

Project No.: A01026 New Middle School Prototype

ITEM	ACTION REQ	ORIG.	STAFF AUTH.	ARG APPVD.	TYPE	CAUSE	DOLLARS		DAYS	
							REQ.	AUTH. REC.	REQ.	AUTH. REC.
						install electrical power cut-off switches in the computer lab, and ceiling mounted public address/intercom system speakers in restrooms at Building "F".				
17	C	C	08/05/2008	02/18/2009	ER	SEE	26,634.00	26,634.00	0	0
						Construction Manager provided labor, material and equipment to furnish and install thickened concrete floor slab edges at the breezeways of Buildings "A" and the P.E. shelter at Building "G".				
18	C	I	08/05/2008	02/18/2009	OM	AO	2,616.00	1,877.00	0	0
						Construction Manager provided labor, material and equipment to furnish and install fencing with a gate around the gas regulators at Building "B" and "F", as required by the Building Inspector.				
19	C	C	11/29/2007	02/18/2009	ER	AE	37,368.00	19,457.00	0	0
						Construction Manager provided labor, material and equipment to increase the height of the parapet and elevator machine room walls, and construct a masonry enclosure at the grand stair.				
20	C	I	02/11/2007	02/18/2009	ER	MEE	46,999.00	42,173.00	0	0
						Construction Manager provided labor, material and equipment to furnish and install additional floor sinks and floor drains in the food preparation, locker rooms, and compactor areas of Building "F", as required by the Building Inspector.				
21	C	CM	12/18/2007	02/18/2009	ER	MEE	56,509.00	46,648.00	0	0
						Construction Manager provided labor, material and equipment to furnish and install additional miscellaneous HVAC system ductwork, insulation, fire and				

FINAL CHANGE ORDER

ATTACHMENT C

6023 Andover Middle School

SUMMARY OF CHANGE ORDER NO.: 2

Project No.: A01026 New Middle School Prototype

ITEM	ACTION REQ	ORIG.	STAFF AUTH.	ARG APPVD.	TYPE	CAUSE	DOLLARS		DAYS	
							REQ.	AUTH. REC.	REQ.	AUTH. REC.
						smoke dampers, supply and exhaust fans.				
22	C	CM	02/11/2007	02/18/2009	ER	MEE	40,024.00	31,932.00	0	0
						Construction Manager provided labor, material and equipment to furnish and install additional HVAC system fire dampers at Building "F", kiln ventilation ductwork at Building "B", and an elevator machine room fan.				
23	A	CM		02/18/2009	OM	AO	65,330.00	51,681.00	0	0
						Construction Manager to provide labor, material and equipment to furnish and install additional interior drywall partitions, ceiling, soffits, chases, and exterior roof flashing details, per revised Architectural drawings.				
24	A	CM		02/18/2009	OM	MEO	598,063.00	391,000.00	0	0
						Construction Manager to provide labor, material and equipment to furnish and install additional larger-than-specified HVAC system chilled water piping, additional ductwork and insulation throughout the facility. This includes additional underground chilled and condenser water piping due to necessary alternate routing.				
25	A	C		02/18/2009	OT	SR	94,160.00	0.00	155	59
						This is to extend the contract completion time with no additional compensation due to additional off-site work including signalization, sidewalks, drainage and roadway restoration as required by outside agencies including Public Works, WASA, DERM and the Department of Health. This additional work was approved as item #2 of change order #1 at the Board Meeting of July 15, 2008.				

FINAL CHANGE ORDER

ATTACHMENT C

6023 Andover Middle School

SUMMARY OF CHANGE ORDER NO.: 2

Project No.: A01026 New Middle School Prototype

ITEM	ACTION REQ	ORIG.	STAFF AUTH.	ARG APPVD.	TYPE	CAUSE	DOLLARS		DAYS	
							REQ.	AUTH. REC.	REQ.	AUTH. REC.
26	C	I	12/10/2008	02/18/2009	ER	AE	6,171.00	6,000.00	0	0
<p>Construction Manager provided labor, material and equipment to furnish and install a one-hour fire rated roll-up door in lieu of the specified roll-up door at the stage storage room as required by the Building Inspector.</p>										
27	C	C	12/10/2008	02/18/2009	ER	AE	17,805.00	17,000.00	0	0
<p>Construction Manager provided labor, material and equipment to modify casework and associated plumbing and drywall, in order to comply with ADA codes in the clinic, production workroom, Director's Tech Processing and other locations throughout the facility.</p>										
28	C	C	12/10/2008	02/18/2009	OM	EEO	15,737.00	6,269.00	0	0
<p>Construction Manager provided labor, material and equipment to furnish and install additional electrical circuits for HVAC system motorized dampers in the Science Demonstration classrooms.</p>										
29	C	CM	12/10/2008	02/18/2009	ER	AE	7,505.00	7,505.00	0	0
<p>Construction Manager provided labor, material and equipment to furnish and install additional HVAC system VAV boxes, duct heaters and associated sheet metal work.</p>										
30	C	I	12/10/2008	02/18/2009	ER	AE	38,240.00	11,067.00	14	0
<p>Construction Manager provided labor, material and equipment to furnish and install additional removable picket railings with sleeves at the Band and Vocal classrooms.</p>										
31	C	C	12/10/2008	02/18/2009	OM	EEO	11,812.00	11,812.00	0	0
<p>Construction Manager provided labor,</p>										

FINAL CHANGE ORDER

6023 Andover Middle School

SUMMARY OF CHANGE ORDER NO.: 2

Project No.: A01026 New Middle School Prototype

ITEM	ACTION REQ	ORIG.	STAFF AUTH.	ARG APPVD.	TYPE	CAUSE	DOLLARS		DAYS	
							REQ.	AUTH. REC.	REQ.	AUTH. REC.
						material and equipment to furnish and install a larger electrical wire gauge than specified for parking lot site lighting.				
32	C	I	12/10/2008	02/18/2009	OM	AO	12,645.00	12,645.00	0	0
						Construction Manager provided labor, material and equipment to furnish and install additional exterior gates and hardware at building "B" for increased security purposes.				
33	C	C	12/10/2008	02/18/2009	OM	AO	64,573.00	22,569.00	0	0
						Construction Manager provided labor, material and equipment to furnish and install additional rainwater leaders and drainage piping for some of the covered walkways.				
34	C	C	12/10/2008	02/18/2009	OM	MEO	93,640.00	37,573.00	0	0
						Construction Manager provided labor, material and equipment to furnish and install additional hose bibbs condensate lines, hot water lines, sinks, roof drains, and water heaters throughout the facility.				
35	A	C		02/18/2009	ER	AE	88,228.00	58,429.00	14	0
						Construction Manager to provide labor, material and equipment to furnish and install additional security card access points at buildings "A" and "F". This includes associated glass storefront modifications, programming and testing.				
36	A	C		02/18/2009	OM	EEO	181,845.00	75,085.00	28	0
						Construction Manager to provide labor, material and equipment to furnish and install additional lighting dimmer system components at the Language Arts building				

FINAL CHANGE ORDER

ATTACHMENT C

6023 Andover Middle School

SUMMARY OF CHANGE ORDER NO.: 2

Project No.: A01026 New Middle School Prototype

ITEM	ACTION		STAFF AUTH.	ARG APPVD.	TYPE	CAUSE	DOLLARS		DAYS	
	REQ	ORIG.					REQ.	AUTH. REC.	REQ.	AUTH. REC.

as per Engineer's revised drawings.

37	A	C		02/18/2009	OM	EEO	165,047.00	138,722.00	0	0
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Construction Manager to provide labor, material and equipment to furnish and install additional lighting dimmer system components at building "F" cafetorium per Engineer's revised drawings.

CHANGE ORDER TOTAL: 2,311,346.00 89

FINAL CHANGE ORDER

SUMMARY OF CHANGE ORDER NO.: 2

Facility: 6023 Andover Middle School
 Project No.: A01026
 Description: NEW MIDDLE SCHOOL PROTOTYPE
 Architect: SPILLIS CANDELA & PARTNERS, INC.
 EFCO: BERMELO, AJAMIL & PARTNERS
 Contractor: JAMES A. CUMMINGS, INC.

PRIME: JAMES A. CUMMINGS

CONTRACT STATUS

ORIGINAL CONTRACT PRICE.....	\$	33,503,553.00
PREVIOUS EXTRAS.....	\$	791,725.00
PREVIOUS CREDITS.....	\$	0.00
PREVIOUS APPROVED NET CHANGE.....	\$	791,725.00
PREVIOUS APPROVED CONTRACT PRICE.....	\$	34,295,278.00
THIS CHANGE.....	\$	2,311,346.00
TOTAL NET CHANGE.....	\$	3,103,071.00
ADJUSTED CONTRACT PRICE AFTER THIS CHANGE.....	\$	36,606,624.00
CONTRACT AWARD DATE.....		July 12, 2006
ORIGINAL CONTRACT COMPLETION DATE.....		February 06, 2008
PREVIOUS TIME EXTENSION.....		0
PREVIOUS ADJUSTED COMPLETION DATE.....		February 06, 2008
TIME EXTENSION THIS CHANGE.....		89
ADJUSTED COMPLETION DATE AFTER THIS CHANGE.....		May 05, 2008
PROJECTED COMPLETION DATE.....		N/A
SUBSTANTIAL COMPLETION DATE.....		May 05, 2008

CHANGE CAUSE SUMMARY:

(Totals Including This Change Order. Errors + 15% Omissions threshold = 1-1/2%)

TYPE	AMOUNT	%	DAYS
ERRORS.....	\$ 388,176.00	1.16	0
OMISSIONS.....	\$ 1,402,384.00	4.19	0
OWNER REQUESTS...	\$ -43,671.00	-0.13	0
UNFORESEEN.....	\$ 0.00	0.00	0
OTHER.....	\$ 1,007,582.00	3.01	89
SCOPE CHANGE.....	\$ 348,600.00	1.04	0
HURRICANE.....	\$ 0.00	0.00	0
Totals	\$ 3,103,071.00	9.27	89

LEGEND:

ORIGIN:

- A-- A/E
- E-- Educational Fac. Plan.
- P-- Project Manager
- D-- DCPS Specialists/Depts.
- C-- Contractor
- S-- State DOE
- M-- Maintenance Dept.
- U-- User (Principal/Admin.)
- I-- UBCI
- AM--Asbestos Mgmt.
- DS--Design Services (Group)
- CM--Construction Manager

ACTION:

- A-- Approve
- C-- Confirm Staff/TRC Authorize
- C/A--Confirm/Approce Authorize

TYPE:

- ER--PA/E Error
- HC--Hurricane
- OM--P/A Omission
- OT--Other
- OW--Owner Request
- SC--Scope Change
- UN--Unforseen

CAUSE:

- AE --Architectural Error
- AO --Architectural Omission
- EEE--Electrical Engineering Error
- EEO--Electrical Engineering Omission
- MEE--Mechanical Engineering Error
- MEO--Mechanical Engineering Omission
- SEE--Structural Engineering Error
- SEO--Structural Engineering Omission
- CEE--Civil Engineering Error
- CEO--Civil Engineering Omission
- DBR--Design-Builder Request
- DBE--Design-Builder Error

- DBO--Design-Builder Omission
- DBD--Design-Builder Default
- CD-- Contractor Default
- CE-- Contractor Error
- CR-- Contractor Request
- FE-- Fastrack/Coord. Error
- FO-- Fastrack/Coord. Omission
- ID-- Inspection Delay
- MD-- Manufacturer's Delay
- OO-- Owner Omission
- OD-- Owner Delay
- OR-- Owner Request
- RA-- Reinstate Alternate
- SC-- Scope Change
- SR-- State Requirement/Local/City
- RD-- Rain Delay
- UC-- Unforseen Conditions
- UD-- Utility Co. Delay
- CL-- Clerical Error
- UP-- Unit Price
- UR-- Utility Requirement
- CMO--Construction Manager Omission
- CME--Construction Manager Error
- CC-- Criteria Change