

Business Operations
J.E. Surash, P.E., Chief Business Officer

**SUBJECT: CHANGE ORDER NO. 2
 PROJECT NO. A0477
 ADDITIONS/RENOVATIONS/REMODELING
 AMERICAN SENIOR HIGH SCHOOL
 18350 NW 67 AVENUE, MIAMI, FLORIDA**

COMMITTEE: FACILITIES MANAGEMENT

This request for change in the construction contract includes 37 items for the School Board's confirmation and consideration. Attachment A presents 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 contractor to proceed with items 1, 2, 4, 6, 7, 8 through 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, and 33 through 37. These items are presented to the Board for confirmation and consideration as required by State Statute.

Change Items Synopsis: Additional cost due to undercutting doors, conduit and wire, thermostat, downspouts, solenoid valve, exhaust hood, louver, ramps and platforms, receptacles, stainless steel rail, signs, system fault tracing, and extended shelf standards. Additional cost and time due to a light switch, piping, conduit and wire, interlock system, access panels, plaster, security contacts, fire alarm and intercom components, light fixtures, clocks and transformers.

This change will increase the contract price by \$84,697 and extend the contract completion date by 94 days. These items have been recommended by the Project Architect and were confirmed/approved by the Technical Review Committee, subsequent to completion, on April 27, 2004. They were found to be necessary, fair, and equitable.

The Project Architect will not receive additional fees for the items that resulted from errors and omissions in the design phase of the project. This factor will become part of the evaluation of this firm for consideration of future work with this school system. The District will pursue recovery of costs from the Project Architect as called for in the contract.

RECOMMENDED: That The School Board of Miami-Dade County, Florida, confirm/approve Change Order No. 2 on Project No. A0477, Additions/Renovations/Remodeling, American Senior High School for an additional cost of \$84,697 and approve a time extension of 94 days.

RR:ayb

7011 American Senior High
SUMMARY OF CHANGE ORDER NO.: 2
Project No.: A0477 Additions/Renovations/Remodeling

ITEM	ACTION REQ	ORIG.	STAFF AUTH.	ARG APPVD.	TYPE	CAUSE	DOLLARS		DAYS	
							REQ.	AUTH. REC.	REQ.	AUTH. REC.
1	C	C	01/20/2004	04/13/2004	ER	MEE	292.00	233.00	0	0
			Contractor provided labor, material and equipment to undercut the doors to the electric room at building #4.							
2	C	C	01/20/2004	04/13/2004	ER	EEE	604.00	310.00	0	0
			Contractor provided labor, material and equipment to furnish and install a switch to control the corridor lights in building #4.							
3	A	C		04/13/2004	ER	EEE	0.00	0.00	2	2
			This is to extend the contract completion time due to the installation of the corridor light switch.							
4	C	C	01/20/2004	04/13/2004	ER	MEE	17,863.00	15,190.00	0	0
			Contractor provided labor, material and equipment to reroute HVAC system chilled water lines to connect to the existing system in the main mechanical room.							
5	A	C		04/13/2004	ER	MEE	0.00	0.00	42	42
			This is to extend the contract completion time due to rerouting of chilled water lines in the main mechanical room.							
6	C	I	01/20/2004	04/13/2004	OM	EEO	416.00	249.00	0	0
			Contractor provided labor, material and equipment to connect a light fixture in the building #4 electric room to the emergency circuit.							
7	C	C	01/20/2004	04/13/2004	OM	MEO	1,022.00	649.00	2	0
			Contractor provided labor, material and equipment to furnish and install a thermostatic control device on the new exhaust fan at stair #11.							

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							REQ.	AUTH. REC.	REQ.	AUTH. REC.
8	C	C	01/20/2004	04/13/2004	OM	MEO	5,448.00	4,979.00	0	0
			Contractor provided labor, material and equipment to furnish and install downspouts at building #4.							
9	C	C	01/20/2004	04/13/2004	OM	MEO	5,504.00	4,988.00	0	0
			Contractor provided labor, material and equipment to furnish and install an additional emergency gas shut off solenoid valve at the kitchen.							
10	C	C	01/20/2004	04/13/2004	OM	MEO	295.00	272.00	0	0
			Contractor provided labor, material and equipment to remove the abandoned exhaust hood in the science labs and cap it with a permanent cover.							
11	C	U	01/20/2004	04/13/2004	OM	MEO	240.00	240.00	0	0
			Contractor provided labor, material and equipment to furnish and install a door louver with a fusible link at the book room in the science department.							
12	C	C	01/20/2004	04/13/2004	OM	AO	2,655.00	2,655.00	0	0
			Contractor provided labor, material and equipment to construct ramps and platforms at the dining room exterior emergency egress doors.							
13	C	C	01/20/2004	04/13/2004	OM	EEO	4,441.00	3,063.00	0	0
			Contractor provided labor, material and equipment to furnish and install power conduit and wire to the exhaust fan in the new stair #11.							
14	A	C		04/13/2004	OM	EEO	0.00	0.00	3	3
			This is to extend the contract completion time due to the installation of exhaust fan power conduit and wire in new stair							

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							REQ.	AUTH. REC.	REQ.	AUTH. REC.	
			#11.								
15	C	C	01/20/2004	04/13/2004	OM	EEO	4,649.00	4,591.00	0	0	
			Contractor provided labor, material and equipment to fabricate and install a safety shut-off interlock system between the kitchen hoods and fire alarm system.								
16	A	C		04/13/2004	OM	EEO	0.00	0.00	4	4	
			This is to extend the contract completion date due to the installation of the interlock system between the kitchen hoods and the fire alarm system.								
17	C	C	01/20/2004	04/13/2004	OM	AO	2,021.00	2,021.00	0	0	
			Contractor provided labor, material and equipment to furnish and install access panels in the fire-rated ceiling at stair #11 corridor.								
18	A	C		04/13/2004	OM	AO	0.00	0.00	1	1	
			This is to extend the contract completion time due to the installation of the access panels in stair #11 corridor.								
19	C	A	01/20/2004	04/13/2004	OM	AO	2,637.00	2,532.00	0	0	
			Contractor provided labor, material and equipment to cover the wall surface at stair #11 columns and ceiling with plaster and lath.								
20	A	C		04/13/2004	OM	AO	0.00	0.00	2	2	
			This is to extend the contract completion time due to covering columns and ceiling with plaster at stair #11.								
21	C	U	01/20/2004	04/13/2004	OM	AO	10,134.00	7,265.00	0	0	
			Contractor provided labor, material and								

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								AUTH. REC.	REQ.	AUTH. REC.	REQ.
						equipment to furnish and install security door contacts at the emergency egress doors.					
22	A	C		04/13/2004	OM	AO	0.00	0.00	12	12	
						This is to extend the contract completion time due to the installation of security door contacts at the egress doors.					
23	C	C	01/20/2004	04/13/2004	OM	EEO	26,161.00	12,204.00	0	0	
						Contractor provided labor, material and equipment to furnish and install additional fire alarm system strobes, clock/speaker units and intercom call buttons and speakers at rooms #288, #289 and the coaches office and second floor boys' showers.					
24	A	C		04/13/2004	OM	EEO	0.00	0.00	12	12	
						This is to extend the contract completion date due to the installation of fire alarm and intercom devices.					
25	C	C	01/20/2004	04/13/2004	OM	EEO	3,631.00	3,572.00	0	0	
						Contractor provided labor, material and equipment to furnish and install additional conduit and wire to feed panel #L2EA from the location shown on the plans.					
26	A	C		04/13/2004	OM	EEO	0.00	0.00	3	3	
						This is to extend the contract completion time due to the installation of additional conduit and wire to panel #L2EA.					
27	C	C	01/20/2004	04/13/2004	OM	EEO	5,628.00	3,962.00	0	0	
						Contractor provided labor, material and equipment to furnish and install light fixtures in stair #11.					

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							REQ.	AUTH. REC.	REQ.	AUTH. REC.
28	A	C		04/13/2004	OM	EEO	0.00	0.00	5	5
This is to extend the contract completion time due to installing light fixtures in stair #11.										
29	C	C	01/20/2004	04/13/2004	OM	EEO	8,711.00	6,500.00	0	0
Contractor provided labor, material and equipment to furnish and install additional clocks, and transformers and wiring for all corridor public address system speakers.										
30	A	C		04/13/2004	OM	EEO	0.00	0.00	5	5
This is to extend the contract completion time due to additional clocks, and transformers and speaker wiring.										
31	C	C	01/20/2004	04/13/2004	OM	EEO	2,749.00	2,494.00	0	0
Contractor provided labor, material and equipment to furnish and install conduit and wire to connect the schools existing class bell system to the new public address/intercom system panel.										
32	A	C		04/13/2004	OM	EEO	0.00	0.00	3	3
This is to extend the contract completion time due to connecting the schools existing class bell system to the new panel.										
33	C	D	01/20/2004	04/13/2004	OW	OR	4,433.00	3,004.00	4	0
Contractor provided labor, material and equipment to furnish and install electrical receptacles in room #252. This was necessary to eliminate extension cords in order to correct existing code violations.										

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							REQ.	AUTH. REC.	REQ.	AUTH. REC.	
34	C	D	01/20/2004	04/13/2004	OW	OR	175.00	175.00	0	0	
<p>Contractor provided labor, material and equipment to furnish and install a stainless steel rail at the kitchen floor to protect the existing gas lines at the ovens. This was necessary in order to correct a potential safety hazard.</p>											
35	C	I	01/20/2004	04/13/2004	OW	OR	225.00	225.00	0	0	
<p>Contractor provided various information and caution signs on existing fences and gates.</p>											
36	C	D	01/20/2004	04/13/2004	OW	OR	2,756.00	2,756.00	0	0	
<p>Contractor provided labor and equipment to trace all existing security system faults to determine zone malfunctions. This was necessary to properly install the added security system components.</p>											
37	C	U	01/20/2004	04/13/2004	OW	OR	568.00	568.00	0	0	
<p>Contractor provided labor, material and equipment to extend the shelf standards at the teachers' planning room in order to accommodate larger computer monitors.</p>											
CHANGE ORDER TOTAL:								84,697.00		94	

SUMMARY OF CHANGE ORDER NO.: 2

Facility: 7011 American Senior High
 Project No.: A0477
 Description: ADDITIONS/RENOVATIONS/REMODELING
 Architect: ALLEN AND ASSOCIATES
 EFCO: WOLFBERG ALVAREZ & ASSOCIATES
 Contractor: MEXAL CORPORATION PRIME: ELSA CANELON

CONTRACT STATUS

ORIGINAL CONTRACT PRICE.....\$	3,061,262.00
PREVIOUS EXTRAS.....\$	305,006.00
PREVIOUS CREDITS.....\$	0.00
PREVIOUS APPROVED NET CHANGE.....\$	305,006.00
PREVIOUS APPROVED CONTRACT PRICE.....\$	3,366,268.00
THIS CHANGE.....\$	84,697.00
TOTAL NET CHANGE.....\$	389,703.00
ADJUSTED CONTRACT PRICE AFTER THIS CHANGE.....\$	3,450,965.00
CONTRACT AWARD DATE.....	July 11, 2001
ORIGINAL CONTRACT COMPLETION DATE.....	September 04, 2002
PREVIOUS TIME EXTENSION.....	150
PREVIOUS ADJUSTED COMPLETION DATE.....	February 01, 2003
TIME EXTENSION THIS CHANGE.....	94
ADJUSTED COMPLETION DATE AFTER THIS CHANGE.....	May 06, 2003
PROJECTED COMPLETION DATE.....	December 01, 2004
SUBSTANTIAL COMPLETION DATE.....	N/A

CHANGE CAUSE SUMMARY:

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

TYPE	AMOUNT	%	DAYS
ERRORS.....\$	24,542.00	0.80	44
OMISSIONS.....\$	253,473.00	8.28	200
OWNER REQUESTS...\$	6,728.00	0.22	0
UNFORESEEN.....\$	77,427.00	2.53	0
OTHER.....\$	0.00	0.00	0
SCOPE CHANGE.....\$	27,533.00	0.90	0
HURRICANE.....\$	0.00	0.00	0
Totals\$	389,703.00	12.73	244

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 Andrew
 OM--P/A Omission
 OT--Other
 OW--Owner Request
 SC--Scope Change
 UN--Unforeseen

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
 DER--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
 OC-- 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