

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

**SUBJECT: FINAL CHANGE ORDER NO. 1
 PROJECT NO. LV0014
 HVAC: CHILLER-PLANT REPLACEMENT AND KITCHEN GENERAL
 IMPROVEMENTS
 MAYS COMMUNITY MIDDLE
 11700 SW 216 STREET, MIAMI, FLORIDA**

COMMITTEE: BUSINESS AND FINANCIAL SERVICES

This request for change in the construction contract includes 15 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 through 15. These items are presented to the Board for confirmation and consideration as required by State Statute.

Change Items Synopsis: Additional cost due to equipment supports, conduits and wires, control relay, overtime for ceiling finish-work, existing pump motor, receptacles, control panel, circuit breaker, disconnect switches, roof supports, roof substrate and piping. Credits for solenoid valve and sod. Additional time for rain days.

This change will increase the contract price by \$46,558 and extend the contract completion date by 13 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 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.

Final Contract Status: There are no outstanding punchlist items, mandatories or provisos; and all required deliverables have been received.

RECOMMENDED: That The School Board of Miami-Dade County, Florida, confirm/approve Final Change Order No. 1 on Project No. LV0014, HVAC: Chiller-Plant Replacement And Kitchen General Improvements, Mays Community Middle for an additional cost of \$46,558 and approve a time extension of 13 days.

LM:ayb

FINAL CHANGE ORDER

ATTACHMENT A

6431 Mays Community Middle

SUMMARY OF CHANGE ORDER NO.: 1

Project No.: LV0014 HVAC: Chiller-Plant Replacement and Kitchen

ITEM	ACTION REQ	ORIG.	STAFF AUTH.	ARG APPVD.	TYPE	CAUSE	DOLLARS		DAYS	
							REQ.	AUTH. REC.	REQ.	AUTH. REC.
1	C	C	07/16/2003	04/13/2004	OM	AO	30,169.46	26,156.00	0	0
<p>Contractor provided labor, material and equipment to furnish and install larger-than-designed rooftop structural support systems for the new HVAC equipment.</p>										
2	C	C	07/10/2003	04/13/2004	OM	EEO	853.21	853.00	0	0
<p>Contractor provided labor, material and equipment to furnish and install larger conduits and wires to feed the new cooling tower motors.</p>										
3	C	A	07/08/2003	04/13/2004	OM	MEO	1,054.02	1,054.00	0	0
<p>Contractor provided labor, material and equipment to furnish and install a control relay and additional conduit and wire in order to properly interlock and control the kitchen exhaust and supply fans.</p>										
4	C	P	08/11/2003	04/13/2004	OW	OR	6,269.83	4,388.00	0	0
<p>This reimburses the Contractor for the overtime cost of ceiling finish work, in order to have the kitchen ready for school opening.</p>										
5	C	A	07/08/2003	04/13/2004	OW	OR	(259.04)	(259.00)	0	0
<p>Contractor provided a credit for not replacing the existing emergency gas shut off solenoid valve. The original valve was determined to be in proper working order.</p>										
6	C	A	01/23/2004	04/13/2004	OW	OR	(700.00)	(700.00)	0	0
<p>Contractor provided a credit for not furnishing and installing sod in front of the mechanical room.</p>										

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SUMMARY OF CHANGE ORDER NO.: 1

Project No.: LV0014 HVAC: Chiller-Plant Replacement and Kitchen

ITEM	ACTION REQ	ORIG.	STAFF AUTH.	ARG APPVD.	TYPE	CAUSE	DOLLARS		DAYS	
							REQ.	AUTH. REC.	REQ.	AUTH. REC.
7	C	C	07/10/2003	04/13/2004	OW	OR	2,834.37	2,834.00	0	0
<p>Contractor provided labor, material and equipment to rewind the existing defective chilled water pump #2 motor.</p>										
8	C	I	08/11/2003	04/13/2004	UN	UC	4,391.23	4,131.00	0	0
<p>Contractor provided labor, material and equipment to repair and replace existing defective electrical conduits, receptacles and wiring that feeds the kitchen equipment, under the hood.</p>										
9	C	C	08/11/2003	04/13/2004	UN	UC	316.27	316.00	0	0
<p>Contractor provided labor, material and equipment to rewire the existing emergency gas shut off control panel, in order to meet code.</p>										
10	C	C	08/11/2003	04/13/2004	UN	UC	433.48	433.00	0	0
<p>Contractor provided labor, material and equipment to correct existing wiring errors in the kitchen ventilation equipment control relays.</p>										
11	C	C	06/05/2003	04/13/2004	UN	UC	1,386.42	1,386.00	0	0
<p>Contractor provided labor, material and equipment to furnish and install a 125 amp circuit breaker, a distribution raceway and associated disconnect switches to feed the new A/C units . This was necessary since one of the existing identified circuit breakers had been used by others subsequent to design completion.</p>										
12	C	A	07/16/2003	04/13/2004	UN	UC	4,384.96	3,729.00	0	0
<p>Contractor provided labor, material and equipment to furnish and install structural steel to brace the existing roof joints and to support the kitchen hood. The existing roof joists were not</p>										

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SUMMARY OF CHANGE ORDER NO.: 1

Project No.: LV0014 HVAC: Chiller-Plant Replacement and Kitchen

ITEM	ACTION REQ	ORIG.	STAFF AUTH.	ARG APPVD.	TYPE	CAUSE	REQ.	DOLLARS		DAYS	
								AUTH. REC.	REQ.	AUTH. REC.	REQ.
						shown correctly on the record drawings.					
13	C	C	07/11/2003	04/13/2004	UN	UC	998.99	790.00	0	0	0
						Contractor provided labor, material and equipment to replace the existing deteriorated structural substrate under the replaced roof hatch.					
14	C	P	08/04/2003	04/13/2004	UN	UC	1,446.91	1,447.00	0	0	0
						Contractor provided labor, material and equipment to replace a section of existing corroded 6" diameter condenser water pipe.					
15	A	C		04/13/2004	OT	RD	0.00	0.00	13	13	13
						This is to extend the contract completion time due to rain days above and beyond those allowed for in the contract.					
CHANGE ORDER TOTAL:								46,558.00			13

FINAL CHANGE ORDER
SUMMARY OF CHANGE ORDER NO.: 1
Facility: 6431 Mays Community Middle
Project No.: LV0014
Description: HVAC: CHILLER-PLANT REPLACEMENT AND
Architect: LIVS ASSOCIATES
EFCO: BERMELLO, AJAMIL & PARTNERS
Contractor: COLTEC ENGINEERING, INC.

PRIME:

CONTRACT STATUS

ORIGINAL CONTRACT PRICE.....\$	415,000.00
PREVIOUS EXTRAS.....\$	0.00
PREVIOUS CREDITS.....\$	0.00
PREVIOUS APPROVED NET CHANGE.....\$	0.00
PREVIOUS APPROVED CONTRACT PRICE.....\$	415,000.00
THIS CHANGE.....\$	46,558.00
TOTAL NET CHANGE.....\$	46,558.00
ADJUSTED CONTRACT PRICE AFTER THIS CHANGE.....\$	461,558.00
CONTRACT AWARD DATE.....	October 23, 2002
ORIGINAL CONTRACT COMPLETION DATE.....	August 06, 2003
PREVIOUS TIME EXTENSION.....	0
PREVIOUS ADJUSTED COMPLETION DATE.....	August 06, 2003
TIME EXTENSION THIS CHANGE.....	13
ADJUSTED COMPLETION DATE AFTER THIS CHANGE.....	August 19, 2003
PROJECTED COMPLETION DATE.....	N/A
SUBSTANTIAL COMPLETION DATE.....	August 19, 2003

CHANGE CAUSE SUMMARY:

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

TYPE	AMOUNT	%	DAYS
ERRORS.....\$	0.00	0.00	0
OMISSIONS.....\$	28,063.00	6.76	0
OWNER REQUESTS...\$	6,263.00	1.51	0
UNFORESEEN.....\$	12,232.00	2.95	0
OTHER.....\$	0.00	0.00	13
SCOPE CHANGE.....\$	0.00	0.00	0
HURRICANE.....\$	0.00	0.00	0
Totals\$	46,558.00	11.22	13

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
- 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