

**The School Board of Broward County
Division of Facilities and Construction Management**

Change Order Summary

Facility Name:	Hollywood Hills High School	Date:	03/16/15
Project Title:	Remodeling & Renovations	Project #:	1661-22-01
Contractor:	Cedars Electro-Mechanical, Inc	F.K.A./P#	P.000299
Consultant:	ACAI Associates		

Original Contract \$1,067,000

Change Order Allowance (from PFA) \$50,000

Change Order Items

Consultant Error:	<u>\$7,464</u>	0.70% of original contract amount
Consultant Omission:	<u>\$28,842</u>	2.70% of original contract amount
Owner Directed:	<u>\$8,882</u>	0.83% of original contract amount
Unforeseen:	<u>\$12,527</u>	1.17% of original contract amount
Direct Owner Purchase/Tax Savings:	<u>\$5</u>	0.00%
Subtotal:	<u>\$57,715</u>	5.41% of original contract amount

Construction Change Directives

Consultant Error:	<u>\$0</u>	0.00% of original contract amount
Consultant Omission:	<u>\$0</u>	0.00% of original contract amount
Owner Directed:	<u>\$0</u>	0.00% of original contract amount
Unforeseen:	<u>\$0</u>	0.00% of original contract amount
Subtotal:	<u>\$0</u>	0.00% of original contract amount

Total: \$57,715 5.41% of original contract amount

Change Order:	A written order to the contractor signed by the Superintendent and approved by the School Board and the architect, issued after the execution of the contract, authorizing a change in the work or an adjustment in the contract sum or the contract time as originally defined by the contract documents.
Construction Change Directive:	A written order to the contractor signed by the Superintendent and the architect, issued after the execution of the contract, authorizing a change in the work or an adjustment of the contract sum or the contract time as defined by the contract documents. This directive is utilized when the parties cannot mutually agree upon the change. After execution of the work or an agreement between the parties, the change directive is brought back to the School Board for their approval at the next available meeting.



The School Board of Broward County, Florida
Office of Facilities & Construction
 3775 SW 16th Street
 Fort Lauderdale, Florida 33312
 (754) 321-1500

Prolog Change Order Listing

Project#	Facility Name	Original Contract /Date	# C.O.'s	Total Changes	Current Contract	Percent Change	Days Extended	Contract Status
16612201	Hollywood Hills High Remodeling and Renovations	04/21/2009	1	\$-140,447	\$ 1,067,000	0.00 %	430	Active.Cons.I
Change Order	Change Order Amount	Days Extended	Percent Change	Item# Reason	Description			
001 05/18/2010	\$6,924	0		201 Unforeseen Condition	Provide and install one each variable frequency drives (VFD's) for the new air handling units. The original air conditioning (A/C) system was designed using an "inline drive" system which has become obsolete. Between the time the system was designed and the time it was ordered, the manufacturer had eliminated inlet guide vanes within the units. This made it necessary to buy Variable Frequency Drives separately. The consultant could not have been aware of this manufacturing change. Provide signed and sealed detail and additional reinforcing at concrete floor slab repairs in the existing restrooms. Floor repairs required because of the relocation of existing plumbing lines for the new American Disability Act (ADA) requirements. Provide and install new mirrors in dressing rooms 506A and 506B. Existing mirrors are scratched, damaged and needed to be replaced before the start of construction of this project.			
001 05/18/2010	\$1,442	0		202 Consultant Error				
001 05/18/2010	\$2,012	0		205 Owner Request				
001 05/18/2010	\$1,483	0		207 Owner Request	Revise finish hardware in building # 2 to classroom function locksets at doors # 301 & 302. Omit push/pull plates at 506A & 506B, provide and install classroom function locksets at doors 501 and 502.			
001 05/18/2010	\$622	0		209 Consultant Error	Relocate existing starter for new air handler unit (AHU) 5-1 to provide code required clearance.			
001 05/18/2010	\$4,101	0		210 Consultant Error	Provide and install new electric conduit, conductors and connect to the existing emergency lights located in the auditorium lobby. This work is required because the existing auditorium seating lights are to be removed and new isle lighting system installed. The location of the existing seat lighting is not compatible with the new seating layout.			
	\$16,584							
002 07/20/2010	\$5,387	0		204 Owner Request	Provide and install new vandal resistant light fixtures in dressing rooms 506A and 506B. Existing light fixtures are in poor condition. Plans called for these fixtures to remain since, at the time the project was designed, they were in good condition. Since then, it is necessary to replace them because of their poor condition.			

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16612201	Hollywood Hills High Remodeling and Renovations	04/21/2009	7	\$-140,447	\$ 1,067,000	0.00 %	430	Active.Cons.I

Change Order	Board Date	Change Amount	Order Date	Days Extended	Percent Change	Contractor	Item#	Reason	Description
\$5,387									

003	11/23/2010	\$4,354	0	0		Cedars Electro-Mechanical, Inc.	214	Consultant Omission	Provide all labor and material to remove and reinstall the urinals located in boys restroom #343 in building #2. Urinal installation as installed could not be approved by the Building Department due to installation not meeting Building Code and required relocating.
003	11/23/2010	\$5,603	0	0		Cedars Electro-Mechanical, Inc.	215	Unforeseen Condition	Revise power circuit for AHU 5-1 rewiring the AHU and Duct Heater. The AHU and the Duct Heater are wired on the same circuit and do not work correctly. This is an existing condition and not part of the Contractor's or Project Consultant's Scope of Work.
003	11/23/2010	\$1,772	0	0		Cedars Electro-Mechanical, Inc.	216	Consultant Omission	This was not noted in as-builts as reviewed by staff. Provide all labor and material to install manual volume damper in AHU 5-1. Additional control of the outside air volume is required for AHU 5-1 to work correctly.
\$11,729									

004	01/25/2011	\$1,229	0	0		Cedars Electro-Mechanical, Inc.	206	Consultant Omission	Provide and install Float Switch in the condensate line for AHU1-1 and AHU1-2 and connect the float control to the EMS system. The Float Switch is required by code. This work and material were not shown on the construction documents and was not included in the contractor's original bid.
004	01/25/2011	\$1,299	0	0		Cedars Electro-Mechanical, Inc.	217	Consultant Error	Revise the ADA Ramp elevation to match existing conditions. Revise area drain location and piping due to existing field conditions.
004	01/25/2011	\$4,278	0	0		Cedars Electro-Mechanical, Inc.	218	Consultant Omission	Provide all labor and material to install one (1) switch and one (1) pilot light at the CGFI's in the Girls Dressing Room #506A and Boys Dressing Room #506B. The switch and pilot light are required by code.
004	01/25/2011	\$460	0	0		Cedars Electro-Mechanical, Inc.	219	Consultant Omission	Provide all labor and material to install additional insulation at one (1) lavatory in the boys and girls restroom (#343 and #342).
\$7,266									

005	02/01/2011	\$4,785	0	0		Cedars Electro-Mechanical, Inc.	203	Consultant Omission	Provide additional sprinklers in room #501. Not shown on the contract documents. This work was not included in the contractor's original bid.
\$4,785									

Project#	Facility Name	Original Contract /Date	# C.O.'s	Total Changes	Current Contract	Percent Change	Days Extended	Contract Status
16612201	Hollywood Hills High Remodeling and Renovations	04/21/2009	16	\$-140,447	\$ 1,067,000	0.00 %	430	Active Cons.I

Change Order	Board Date	Change Order Amount	Days Extended	Percent Change	Contractor	Item#	Reason	Description
006	01/18/2012	\$2,701	0		Cedars Electro-Mechanical, Inc.	220	Consultant Omission	Connect all emergency lights in the Lobby Area to the same circuit serving the normal lighting in Lobby, and provide/install a light switch inside Electrical Room 504B located in the Auditorium to control the normal power lighting in the Lobby Area. Provide/install a new Square-D 30A power relay type C - class 8501 - 120V coil in NEMA 1 enclosure (wall-mounted) in Electrical Room 504B located in the Auditorium for aisle lighting circuit in order to override the aisle lighting switch in case of power outage.
\$2,701								

007	02/20/2013	\$9,263	0		Cedars Electro-Mechanical, Inc.	011	Consultant Omission	Provide and install one post indicator valve (PIV) and tamper switch, redesign fire alarm system for the additional equipment to be installed. Post indicator valve and tamper switch required by code.
\$9,263								

008	04/21/2015	\$23,174	0		Cedars Electro-Mechanical, Inc.	021	Owner Request	Reimburse the Contractor for Builder's Risk Insurance and Owner's/Contractor's Protective Liability Insurance (OCP).
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008	04/21/2015	\$-221,336	430		Cedars Electro-Mechanical, Inc.	022	Owner Request	As a result of delays beyond the control of the Contractor, the final completion of the project was delayed, thus requiring the extension of Builder's Risk and OCP Insurance. Provide a credit for the roofing scope of work that was eliminated from the current contract. The roofing scope of work was eliminated from the current contract, as it was determined that the entire facility required re-roofing.
\$-198,162								

Change Order Items	Consultant Error:	Constructive Change Directives	Consultant Error:
	\$7,464		\$0
	\$28,842		\$0
	\$-189,280		\$0
	\$12,527		\$0
	\$0		\$0
	\$-140,447		\$0
	Subtotal:		Subtotal:
			Grand Total:
			\$-140,447