

# FACPAC Contract Change Order

## Supplemental Information Form (Ref# 57985)

Form Status: Saved

Tier 1 Project: Boone County High School Phase 2 Renovations

BG Number: 21-295

District: Boone County (HB678)

Status: Active

Phase: Project Initiation (View Checklist)

Contract: Graybach LLC, 0001, Phase 2 Renovations

Type: General Contractor

Proposed

Change Order Number	Three (3)
Time Extension Required	No
Date Of Change Order	5/24/2023
Change Order Amount To Date	Increase

### Construction Contingency

Calculations below are project wide. Remaining negative Construction Contingency may require the submission of a revised BG1.

Current Approved Amount	\$454,470.00
Net Approved COs	\$47,028.00
Remaining After Approved COs	\$407,442.00
Net All COs	\$66,426.00
Remaining After All COs	\$388,044.00

This Requested Change Order Amount \$19,398.00

+/-

Change In A/E Fee This Change Order

+/-

Change In CM Fee This Change Order

+/-

Remaining Construction Contingency \$388,044.00

Balance

Contract Change Requested By Architect/Engineer; General Contractor; Local Board of Education

Contract Change Reason Code Expansion of Scope; Found Condition; Improved Plans/Specs; Reduction of Scope

Change Order Description And Justification

Proposal 7R8 - Existing acid waste piping that was shown to be reused for connection to new

sinks in Science labs was found to be compromised and previously repaired in a non-code-compliant manner. A full acid waste system upgrade is required to allow function of science lab sinks. ADD \$116,943.

Proposal 13 - Humidity monitoring was owner-requested during design, but was determined to be unnecessary during construction. DEDUCT \$120,000.

Proposal 33 - Power distribution was modified for new pumps by adding a new panel and feeders in a more accessible location. DEDUCT \$2,301.

Proposal 34R4 - Contractor requested to rework existing irrigation water line located at back wall of mechanical room. Work was required to allow maintenance access for water line and new chiller HVAC equipment to be installed in the vicinity. ADD \$2,065.

Proposal 38 - Camera work was required to accommodate design of acid waste piping replacement for Change Order Proposal #7 and various sanitary/storm routes in basement, as no existing drawings were/are available to indicate the existing acid waste system. ADD \$2,285.

Proposal 40R4 - Gas valves were added at contractor suggestion to allow Boone County maintenance to isolate sections of the building should any future work be required on gas-fired equipment. ADD \$868.

Proposal 42R4 - Existing HVAC condensate line was found to be routed to an acid waste pipe without an air gap, which is a code violation. Contractor elected to re-route piping to mop sink to pass upcoming plumbing inspection and keep project on schedule. ADD \$4,532.

Proposal 44 - New casework was required to have modifications made so the gas hookups could be properly installed. ADD \$1,812.

Proposal 46 - When preparing for the installation of the markerboard and casework in these Classrooms (226 and 233), the controlling thermostat was found in the middle of the room, along the common wall with the corridor. All rooms have had the controlling thermostat in the correct location in the corner of the room, along with other abandoned thermostats in the spaces that are being demolished. In the case of these two rooms, the controlling thermostat was found in middle of the room, and needed to be moved to the correct spot. ADD \$854.

Proposal 49 - New door and hardware for Opening 216 was inadvertently left off of the Bidding Documents but needed to be included. Contractor was able take care of this work while on-site. ADD \$4,603.

Proposal 50 - The new control valve was provided with an isolation valve on either side to allow the control valve to be replaced or repaired without draining down the building chilled water system. This was approved by Owner prior to installation. ADD \$4,654.

Proposal 53 - This change order includes full scope for contractor to lower an existing HVAC unit in a classroom to allow installation of a new lay-in ceiling. Existing room did not have a lay-in ceiling, but when existing ceiling was removed it exposed items that had been installed flush with the existing ceiling that would no longer fit when the new lay-in ceiling was installed. ADD \$1,452.



Proposal 54 - This change order provides new air return grilles incorporating filter racks that were not previously included in the project scope. New return air grilles will be provided with filter racks to allow quicker and easier change of filters in each classroom, rather than requiring removal of ceiling tiles and a taller ladder for access. ADD \$1,631.

#### Cost Benefit To Owner

Proposal 7R8 - New acid waste piping material has much longer lifespan than the outgoing system and may be utilized for decades to come with no repairs required.

Proposal 13 - HVAC equipment does not have capability of controlling humidity, so there would be no value added to maintain them in the scope.

Proposal 33 - Access to new panel location is similar to original design but utilizes less material.

Proposal 34R4 - Maintenance staff will be able to service equipment safely without future damage to adjacent equipment.

Proposal 38 - Existing drawings were generated from the camera work to allow connection of new plumbing systems in found piping locations. Sanitary system upgrades are now indicated on record drawings for Owner's maintenance team.

Proposal 40R4 - These valves allow the Owner to perform work on gas-fired equipment without shutting down gas service to the entire building.

Proposal 42R4 - Piping system is now code-compliant and work was performed while ceilings were already removed for other work, reducing total installed cost.

Proposal 44 - Workstations were easily able to be field modified to have full gas hookups.

Proposal 46 - New location for thermostats will reflect a more accurate overall space temperature: this will enable the space temperature to control properly and maintain comfortable space.

Proposal 49 - Most economical time to add the new door and hardware as requested.

Proposal 50 - Draining down the existing chilled water system to allow motorized valve replacement would cost thousands of dollars in water and chemicals each time.

Proposal 53 - Lay-in ceiling is provided for uniformity of the building and ease of access to items above the ceiling for future maintenance and upgrading of building systems (lighting, data, etc.). Lowering of this HVAC equipment is required to allow this ceiling system installation.

Proposal 54 - This change order will decrease labor hours (cost) and increase safety for persons providing filter changes for years to come.

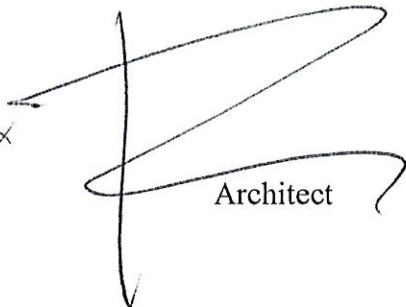
Contract unit prices have been utilized No  
to support the cost associated with this  
change order.

Detailed Cost Breakdown

Contract unit prices have not been utilized, provide a detailed cost breakdown which separates labor, material, profit and overhead.

Detail Item	Amount	Percent of Total
Labor	\$15,031.00	77.49%
Materials	(\$14,520.00)	-74.85%
Profit and Overhead	\$18,716.00	96.48%
Bond Insurance	\$171.00	0.88%
Cost Breakdown Total:	\$19,398.00	
Cost for this Change Order supported by an alternate bid or competitive price quote	No	
Explain Why		

**Change Order Supplemental Information Form Signature  
Page (Online Form Ref# 57985)**

X 

Architect

9-27-23

Date

N/A

Construction Manager

Date

Finance Officer

Date

Local Board of Education Designee

Date