The following changes and/or substitutions to the plans and specifications are hereby made a part of same and are incorporated in full force as part of the contract.

Bidders shall acknowledge receipt of this Addendum in writing on his Proposal Form.

A6.1 GENERAL MODIFICATIONS:

A6.2 SPECIFICATION MODIFICATIONS:
   A. Refer to Revised Section 01011 Contingency Allowance (Revised 5.1.19)
   B. Refer to Revised Section 09510 Acoustical Ceilings (Revised 5.2.19)

A6.3 DRAWING MODIFICATIONS:
   A. See the attached Drawings as follows:
      
      Sheet C4.1 (dated 4.30.19)

B6.1 CLARIFICATIONS & RESPONSES:
   A. Spec. Section 05540 Metal Studs: The following supplier/manufacturer is approved as equal, but subject to specification & design requirements: The Formetal Company

END OF ADDENDUM SIX
SECTION 01011 – CONTINGENCY ALLOWANCE

The General Contractor shall include in his bid proposal the following sums:

1. **Five Thousand Dollars ($5,000.00)** as a contingency to cover unforeseen conditions or minor changes that are necessary to correct or supplement the work as detailed in the Contract Documents.
2. **One Thousand Six Hundred Dollars ($1,600.00)** as a contingency to cover the purchase cost of permanent keyed cores and keys, as directed by owner.
3. **Thirty Thousand Dollars ($30,000.00)** as a contingency for Electrical and Communication Aid to Construction Cost.
4. **Ten Thousand Dollars ($10,000.00)** as a contingency for Security Camera Equipment.

The Contractor shall include in his bid proposal all costs of office, job supervision, overhead, profit, and bond on this Contingency Allowance, because no such costs will be paid to Contractor for work performed under this Contingency Allowance. Only the direct costs of performing work under this provision shall be paid under and charged against the Contingency Allowance; such cost includes costs of materials and delivery, installation labor, payroll taxes and insurance, equipment expense, and the cost of subcontracted work (subcontractor’s cost may include a maximum of 15% mark-up for overhead and profit).

After unknown conditions are identified and examined and the scope of work and method of repair determined, or request for a proposal to cover additional work has been issued by the Owner, the Contractor shall submit a proposal for such work to the Architect for the Owner’s approval. If the Owner approves of such proposal, he will issue written authorization to the Contractor to perform the work and charge the related costs to the Contingency Allowance. At the Owner’s option, work performed under this provision may be ordered done on a time and material basis, in which case; the Contractor shall keep accurate records of all time and materials used and submit such records to the Architect for his approval at the end of each day’s work.

An accounting of the costs charged against this Contingency Allowance shall be mutually maintained by the Contractor, Architect, and Owner throughout the course of the project. Any of this Contingency Allowance not spent shall be credited to the Owner by Change Order at close out of the project, refer to Contingency Allowance Form attached to this Section.

Provide for payment.

The Contractor shall include a line item in the Schedule of Values entitled “Contingency Allowance”. The estimated value of work completed pursuant to fully executed Contingency Allowance Authorizations may be included in the Contractor’s monthly Applications for Payment. Payments under this Contingency Allowance shall not exceed the net, total of fully executed Contingency Allowance Authorizations.

CHANGED CONTINGENCY AMOUNT ON #3

CHANGED CONTINGENCY AMOUNT ON #3
CONTINGENCY ALLOWANCE AUTHORIZATION FORM

Form to be filled in its entirety.

To: McKee & Associates, Architects From:

Project: __________________________________________

Project Number: ____________________________ Date: ____________________________

Building Commission Number: __________________________________________

Authorization Number: ____________________________

In accordance with Specification Section 01011 – CONTINGENCY ALLOWANCE, the Contractor _______ is hereby authorized to proceed with the changes in Work as are described below and is to be paid for the performance of these changes as provided in Specification Section 01011. This Authorization shall become effective when it is signed by the Contractor and the Owner’s representative and it is understood and agreed that the amount(s) stipulated below constitute full compensation for these changes in Work.

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORIGINAL AMOUNT OF THE CONTINGENCY ALLOWANCE</td>
<td>$</td>
</tr>
<tr>
<td>NET TOTAL OF PREVIOUS AUTHORIZATIONS</td>
<td>$</td>
</tr>
<tr>
<td>PREVIOUS REMAINING CONTINGENCY ALLOWANCE</td>
<td>$</td>
</tr>
<tr>
<td>TOTAL AMOUNT OF THIS AUTHORIZATION</td>
<td>$</td>
</tr>
<tr>
<td>CONTINGENCY ALLOWANCE REMAINING AFTER THIS CONTINGENCY</td>
<td>$</td>
</tr>
</tbody>
</table>

Recommended By: Authorized By: Accepted By:

Architect Owner Contractor

END OF SECTION
SECTION 09510 - ACOUSTICAL CEILINGS (Revised 5.2.19)

PART 1 – GENERAL

RELATED DOCUMENTS:

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections apply to work of this section.

SUMMARY:

Extent of acoustical ceilings specified in this section include the following:

1. Acoustical lay-in panel ceilings in an exposed suspended metal grid system.

SUBMITTALS:

Product Data: Submit manufacturer’s technical data for each type of acoustical ceiling unit and suspension system required.

1. Full size sample of each acoustical panel type, pattern and color.
2. Set of 12” long samples of exposed runners and moldings for each color and system type required.

Certificates: Submit certificates from manufacturers of acoustical ceiling units and suspension systems attesting that their products comply with specification requirements.

QUALITY ASSURANCE:

Fire Performance Characteristics: Provide acoustical ceiling components that are identical to those tested for the following fire performance characteristics, according to ASTM test method indicated, by UL or other testing and inspecting agency acceptable to authorities having jurisdiction. Identify acoustical ceiling components with appropriate marking of applicable testing and inspecting agency.

1. Surface Burning Characteristics: As follows, tested per ASTM E 84.
2. Flame Spread: 25 or less.
3. Smoke Developed: 50 or less.

Fire Resistance Ratings: As indicated by reference to design designation in UL “Fire Resistance Directory” for floor, roof or beam assemblies in which acoustical ceilings function as a fire protective membrane; tested per ASTM E 119. Provide protection materials for lighting fixtures and air ducts to comply with requirements indicated for rated assembly.

Coordination of Work: Coordinate layout and installation of acoustical ceiling units and suspension system components with other work supported by, or penetrating through, ceilings, including light fixtures, HVAC equipment, fire-suppression system components (if any), and partition system (if any).
Single-Source Responsibility: Provide acoustical panel units and grid components by a single manufacturer.

DELIVERY, STORAGE AND HANDLING:

Deliver acoustical ceiling units to project site in original, unopened packages and store them in a fully enclosed space where they will be protected against damage from moisture, direct sunlight, surface contamination or other causes.

Before installing acoustical ceiling units, permit them to reach room temperature and a stabilized moisture content.

Handle acoustical ceiling units carefully to avoid chipping edges or damaging units in any way.

PROJECT CONDITIONS:

Space Enclosures: Do not install interior acoustical ceilings until space is enclosed and weatherproof, wet-work in space is completed and nominally dry, work above ceilings is complete and ambient conditions of temperature and humidity will be continuously maintained at values near those indicated for final occupancy.

PART 2 – PRODUCTS

MANUFACTURERS:

The following manufacturers' products have been used to establish minimum standards for materials, workmanship and function:

1. USG Interiors, LLC. (Basis of Design) | www.usg.com | Ph: 1.800.950.3839
2. Certainteed Corporation | www.certainteed.com | Ph: 1.800.233.8990

Equal products of other manufacturers may be used in the work provide such products have been approved, by the Architect, not less than Ten (10) days prior to scheduled bid opening.

GENERAL ACOUSTICAL CEILING TILE UNITS

Standard for Acoustical Ceiling Tile Units: Provide manufacturer's standard units of configuration indicated which are prepared for mounting method designated and which comply with FS SS-S-118 requirements, including those indicated by reference to type, form, pattern, grade (NRC or NIC’ as applicable), light reflectance coefficient (LR), edge detail, and joint detail (if any).

1. Mounting Method for Measuring NRC: No. 7 (mechanically mounted on special metal support), FS SS-S-118; or Type E-400 mounting as per ASTM E 795.

Sound Attenuation Performance: Provide acoustical ceiling units with ratings for ceiling sound transmission class (STC) of range indicated as determined according to AMA 1-II "Ceiling Sound Transmission Test by Two-Room Method" with ceilings continuous at
partitions and supported by a metal suspension system of type appropriate for ceiling unit of configuration indicated (concealed for tile, exposed for panels).

Colors, Textures and Patterns: Provide products to match appearance characteristics indicated or, if not otherwise indicated, as selected by Architect from manufacturer’s standard colors, surface textures, and patterns available for acoustical ceiling units and exposed metal suspension system members of quality designated.

ACOUSTICAL TILES

A. Acoustical Panel Type: Vinyl Covered Ceiling Panels
   1. USG “Sheetrock Brand Clean Room Lay-In Gypsum Panels”.
   2. Classification: Provide ceiling panels complying with ASTM E 1264 for type, form and pattern as follows:
      a. Type XX, mineral based with membrane faced overlay. Vinyl face, back and sides covered gypsum ceiling panels.
      b. Form: Not Applicable
      c. Pattern: Smooth
   4. LR: Not less than 0.77
   5. NRC: Not less than: N/A
   6. CAC: Not less than 35
   7. Edge / Joint Detail:
      a. Square (Typical).
   8. Panel Thickness: 1/2 inch (12.7 mm).
   9. Modular Size: 24 by 24 inches (610 by 610 mm).
   10. Recycled Content: 80%.
   12. Clean room performance: Acceptable in applications up to Class 100 Clean rooms.
   13. ClimaPlus™ 30 year limited system warranty. Contains a broad spectrum antimicrobial additive on the face and back of the panel that provides resistance against the growth of mold and mildew. Includes sag resistance performance.
   14. Suspension Grid/Width: USG Donn ZXLA; 15/16”.

B. Acoustical Panel Type: Lay-In Acoustical Ceiling Panels
   1. USG “Radar” Acoustical Panels
   2. Classification: Provide ceiling panels complying with ASTM E 1264 for type, form and pattern as follows:
      a. Type III, mineral base with painted finish
      b. Form: 2, water felted.
      c. Pattern: Perforated, small holes and light texture.
   4. LR: Not less than 0.84
   5. NRC: Not less than 0.45
   6. CAC: Not less than 33
   7. Edge / Joint Detail:
      a. SQ Square (Typical).
      b. SLT Beveled Reveal #2220 (Cafeteria Cloud Ceilings Only).

EDGE DETAIL SPECIFIED FOR CLOUD CEILINGS AT CAFETERIA
8. Panel Thickness: 5/8 inch (15.8mm).
9. Modular Size: 24 by 24 inches (600 by 600 mm).
10. Recycled Content: Up to 59%.
11. Panel Features:
   a. Biobased product that is USDA certified.
   b. Abuse Resistant, high durability and can be cleaned easily with a soft brush &
      vacummed.
12. ClimaPlus™ 30 year limited system warranty. Contains a broad spectrum
    antimicrobial additive on the face and back of the panel that provides resistance
    against the growth of mold and mildew. Includes sag resistance performance.
13. Suspension Grid/Width: USG Donn DX; 15/16” (24mm).

GENERAL METAL SUSPENSION SYSTEMS

Standard for Metal Suspension Systems: Provide metal suspension systems of type, structural
classification and finish indicated which comply with applicable STM C 635 requirements.

Finishes and Colors: Provide manufacturer's standard factory applied finish for type of system
indicated. For exposed suspension members and accessories with painted finish, provide color
indicated or, if not otherwise indicated, as selected by Architect from manufacturer's full range of
standard colors.

1. White.

Attachment Devices: Size for 5 times design load indicated in ASTM C 635, Table 1, Direct
Hung.

Hanger Wire: Galvanized carbon steel wire, ASTM A 641, soft temper, prestretched, Class 1
coating, sized so that stress at 3- times hanger design load (ASTM C 635, Table 1, Direct
Hung), will be less than yield stress of wire, but provide not less than 12 gage.

Edge Moldings and Trim: Formed steel section; exposed surfaces prefinished to match
suspension system components.

1. Provide shadow molding for edges equal to MS174; 9/16” thick exposed flange; 3/8” x
   3/8” reveal; 7/8” vertical flange.
3. At penetrations of ceiling install manufacturer's standard molding which fits with type of
   edge detail and suspension system indicated.
4. For circular penetrations of ceiling, provide edge moldings fabricated to diameter
   required to fit penetration exactly.

Hold-Down/Impact Clips: Where indicated provide manufacturer's standard impact clip
system design to absorb impact forces against lay-in panels. Install hold down clips at
all ceiling panels within 10'-0" of and exterior door.

METAL SUSPENSION SYSTEMS

A. USG Donn Brand ZXLA 15/16” Acoustical Suspension System

1. Double-web design; Intermediate Duty as defined by ASTM C635. Bottom face with
   15/16” (24mm) exposed flange with pre-painted aluminum cap; cross tee holes and
hanger wire holes at 6 in oc; integral reversible splices, commercial quality pretreated and painted, exposed surfaces prefinished in manufacturer's enhanced corrosion resistant polyester paint finish. Cross tees; roll-formed into double-web design with rectangular bulb; 15/16 (24mm) in exposed flange with pre-painted aluminum cap; Stainless Steel clips clenched to the web Main tees and cross tees shall be positively locked yet shall be removable without the use of tools.

3. Tee Profile: 15/16” (24mm) wide.
4. Color: White

B. USG Donn Brand DX/DXL 15/16” Acoustical Suspension System

1. Narrow Face, Capped, Double Web, Cold Rolled Steel Suspension System: Main and Cross Tees as defined by ASTM C635, commercial quality pretreated and painted hot-dipped galvanized cold-rolled steel, exposed surfaces prefinished in manufacturer's standard corrosion resistant enamel paint finish
3. Tee Profile: Narrow Face 15/16” (22mm) wide.
4. Color: White

DECORATIVE MOULDING & TRIM

A. USG Compässo™ Standard Metal Edge Moldings and Trim

1. Where indicated, provide decorative metal edge moulding and trim. The trim will feature smooth visible face with return edges. The non-visible face shall include flanges to accommodate Compässo™ Standard attachment clips that attach trim to adjacent ceiling grid. At vertical butt joints between adjacent trim pieces, utilize Compässo™ standard splice clips. Prefabricated corner pieces accommodate inwards and outwards 90 degree corners. [At 10” and 12” Compässo™ standard trim include diagonal bracing with L9 angle and attach to top clip slot with additional Compässo™ clip].

2. Basis of Design: USG Interiors, LLC, “USG COMPÄSSO™ STANDARD TRIM”.
   a. Trim Height: 6” (152 mm).
   b. Trim Depth: 9/16” (14 mm).
   c. Trim Length: 10’-0” (3048 mm).
   d. Color: Standard flat white 050.

3. Compässo Standard Trim:
   a. Face width as indicated on drawings otherwise as required
   b. 9/16" horizontal legs with hems formed for attachment to the Compässo Standard mounting clip.
   c. Commercial quality cold-rolled 24-gauge steel
   d. Factory finished in (baked enamel paint finish) Standard flat white 050.
   e. Splice plate: Steel in finish to match trim pans; formed for snap-fit into pan ends.
   f. Attachment clips: hot-dipped galvanized steel in (galvanized finish) (finish to match pans) formed for snap-fit into pan and attached to suspension system members.
   g. 90° corner trim pieces: To match Compässo trim.
SEALANT

**Acoustical Sealant:** Resilient, non-staining, non-shrinking, non-hardening, non-skinning, non-drying, non-sag sealant intended for interior sealing of concealed construction joints.

**Manufacturers:** The following manufacturers' products have been used to establish minimum standards for materials, workmanship and function:

1. BA-98; Pecora Corp.
2. Tremco Acoustical Sealant; Tremco
3. Equal products of other manufacturers may be used in the work provided such products have been approved by the Architect, not less than Ten (10) days prior to schedule bid opening.

PART 3 – EXECUTION

PREPARATION:

**Coordination:** Furnish layouts for inserts, clips, or other supports required to be installed by other trades for support of acoustical ceilings.

1. Furnish concrete inserts and similar devices to other trades for installation well in advance of time needed for coordination of other work.

Measure each ceiling area and establish layout of acoustical units to balance border widths at opposite edges of each ceiling. Coordinate ceiling layout with lighting layout. Avoid use of less-than-half width units at borders, and comply with reflected ceiling plans.

INSTALLATION:

**General:** Install materials in accordance with manufacturer's printed instructions, and to comply with governing regulations, fire-resistance rating requirements as indicated, and CISCA standards applicable to work.

Arrange acoustical units and orient directionally-patterned units (if any) in manner shown by reflected ceiling plans.

Install suspension systems to comply with ASTM C 636, with hangers supported only from building structural members. Locate hangers within 6" inches from each end and spaced 4'-0" along each carrying channel or direct-hung runner, unless otherwise indicated, leveling to tolerance of 1/8" n 12'-0".

Secure wire hangers by looping and wire-tying, either directly to structures or to inserts, eye-screws, or other devices which are secure and appropriate for substrate, and which will not deteriorate or fail with age or elevated temperature.

Install hangers plumb and free from contact with insulation or other objects within ceiling plenum which are not part of supporting structural or ceiling suspension system.
Splay hangers only where required to miss obstructions and offset resulting horizontal force by bracing, counter-splaying or other equally effective means.

Install edge moldings of type indicated at perimeter of acoustical ceiling area and at locations where necessary to conceal edges of acoustical units.

Sealant Bed: Apply continuous ribbon of acoustical sealant, concealed on back of vertical leg before installing moldings.

Screw-attached moldings to substrate at intervals not over 16" o.c. and not more than 3" from ends, leveling with ceiling suspension system to tolerance of 1/8" in 12'-0". Miter corners accurately and connect securely.

Install acoustical panels in coordination with suspension system with edges concealed by support of suspension members. Scribe and cut panels to fit accurately at borders and at penetrations.

Install hold-down clips on panels, within 10'-0" of exterior door openings, where panels are other than horizontal, and in areas where required by governing regulations or for fire-resistance ratings; space as recommended by panel manufacturer, unless otherwise indicated or required.

EXTRA STOCK:

Deliver stock of maintenance materials to Owner. Furnish maintenance materials from same manufactured lot as materials installed and enclosed in protective packaging with appropriate identifying labels.

1. Ceiling Tile: Furnish not less than one box for each type, color, pattern and size installed.

END OF SECTION
NEW CAFETERIA ADDITION

TO

UNION HILL SCHOOL

FOR

THE

MORGAN COUNTY BOARD OF EDUCATION

SOMERVILLE, ALABAMA

UTILITY PLAN

SCALE: 1"=10'

04-30-19