

**ADDENDUM NO. 02**

Date: 03/08/2022

Project: Southern Middle School Library Renovations  
Reading School District  
800 Washington Street  
Reading, PA 19601

CE No.: 21-2842-1



CONSOLIDATED  
ENGINEERS

1022 James Drive  
Leesport, PA 19533  
Tel 610-916-1600  
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The following items are clarifications, additions, and/or revisions to the original plans and specifications. This addendum forms a part of the Contract Documents for the above referenced project, and hereby modifies and takes precedence over the original bidding documents as though originally included therein. Bidders shall acknowledge receipt of this Addendum by indicating the Addendum number and date in the space provided on the bid form.

***Changes to Specifications:***

- 1.01 Section 00030 – Table of Contents – Add Section 09 22 16 Non-Structural Metal Framing; Attached Specification Section 09 22 16 Non-Structural Metal Framing shall be added to the documents.
- 1.02 Bid Form 00300 – Contract No. 2 – HVAC Construction; Delete HVAC Bid Form and replace with attached HVAC Bid Form.
- 1.03 Section 01010 – Project Summary – Refer to HVAC Construction; Add the following to the end of the existing HVAC paragraph description; The HVAC Contractor shall be responsible to provide Temporary heat to the Library renovated space from October 1<sup>st</sup> to November 18 (substantial completion date) should HVAC equipment not be operational to provide heat to the Library renovated spaces. The HVAC Contractor shall also be responsible to provide temporary heat past the November 18<sup>th</sup> date should the new HVAC heating equipment not be in place due to HVAC equipment issues and not being finished.
- 1.04 Section 102238 – Operable Panel Partitions; Refer to Page 102238-3 Directly under item 2.2 and above item 2.2.A Delete “932 is paired panels” and “#17 is medium duty suspension system”.
- 1.05 Section 102238 – Operable Panel Partitions; Refer to Page 102238-5; Delete Item 2.4.C in its entirety.
- 1.06 Section 035416 – Hydraulic Cement Underlayment; Refer to Page 035416-2 Insert the following as Item 2.2A.1.b
  - b. ARDEX Americas; “K-22F” for use over plywood or strip subfloors.
- 1.03 Section 230900 HVAC Systems Controls; Provide a Web-Based User Interface for all associated building management controls. Interface shall be fully customizable and shall serve as the operator workstation with all associated requirements.
- 1.04 Section 238020 Variable Refrigerant Flow Systems; Paragraph 2.3D; Delete the paragraph in its entirety and replace with the following:

- D. All exterior refrigerant piping must be insulated with 1-½" insulation, minimum R value of 5. All interior refrigerant piping must be insulated with 1" insulation, minimum R value of 4. The insulation shall be closed cell, CFC-free foam insulation with flame-Spread Index of less than 25 and a smoke-development Index of less than 50 as tested by ASTM E 84 and CAN/ULC S-102.

1.05 Section 238020 Variable Refrigerant Flow Systems; Add the following to Paragraph 2.2T:

- T. System shall limit refrigerant temperatures to 200°F. System shall not operate above this threshold.

***Changes to Drawings:***

- 1.01 Drawing H-1, Partial Second Floor Plan – HVAC Demolition; Delete Note 5 in its entirety and replace with the following: "Remove existing plumbing fixture in its entirety. Remove all associated domestic water piping back to the wall. Remove sanitary piping down to the floor below."
- 1.02 Drawing H-2, Partial First & Second Floor Plans – HVAC; Add the following to Keyed Drawing Note 1: "Extend sanitary piping in the ceiling of the floor below to come straight up to the new fixture."
- 1.03 Drawing E-3, Partial Second Floor Plan; Add a total of six (6) audio/visual devices with in the renovated space. One each in Library 200, Office 201, Lobby 202, Multi-Purpose Room 203, Computer Lab, 204 and Faculty Lounge 205.
- 1.04 Drawing A-2 – Partial Second Floor Plan, Elevations and Details; For bidding purposes at Doors 203B and 205 provide cutting a new full width opening for new CMU and door frame to assure adequate lintel support. The overall demolished width shall be a minimum of 4'-8" to 5'-0" and a new bulkhead shall be constructed for a full width of the opening to match the existing one at Door EX204. Existing wall base in corridor shall be neatly cut to end at each opening on the corridor face. The new alcove space that remains shall be finished with specified cove base matching the height of the existing corridor base.
- 1.05 Drawing A-4 – Partial Second Floor RCP, Operable Wall Framing Plan and Details; At the reflected ceiling plan, new bulkheads shall be provided at the recesses for the alcoves at Doors 203B and 205 and shall be constructed of 3-5/8 inch metal framing at 16 inches on center with diagonal bracing at minimum 32 inches on center. Finish shall be 5/8 inch gypsum wallboard with a level 4 finish painted to match adjacent surfaces. Finished appearance shall match the bulkhead at Door EX204.

***General Items:***

1.01 General: **The Bid Opening has been moved to the School District's ROC building at (800 Penn Street) on Monday March 14th, (The Administration Building will be without power). Bids will be received at 1:00pm. Bids will be opened immediately after 1:00pm.**

**SECTION 09 22 16 - NON-STRUCTURAL METAL FRAMING**

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
  - 1. Non-load-bearing steel framing systems for interior gypsum board assemblies.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.

1.4 INFORMATIONAL SUBMITTALS

- A. Evaluation Reports: Submit evaluation reports certified under an independent third party inspection program administered by an agency accredited by IAS to ICC-ES AC98, IAS Accreditation Criteria for Inspection Agencies.
- B. Manufacturer's Certification: Submit manufacturer's certification of product compliance with codes and standards along with product literature and data sheets for specified products.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Fire-Test-Response Characteristics: For fire-resistance-rated assemblies that incorporate non-load-bearing steel framing, provide materials and construction identical to those tested in assembly indicated, according to ASTM E 119 by an independent testing agency.

2.2 FRAMING SYSTEMS

- A. Framing Members, General: Comply with ASTM C 754 for conditions indicated.
  - 1. Steel Sheet Components: Comply with ASTM C 645 requirements for metal unless otherwise indicated.

2. Protective Coating: Comply with ASTM C 645; roll-formed from hot-dipped galvanized steel; complying with ASTM A 1003/A 1003M and ASTM A 653/A 653M G40 (Z120) or having a coating that provides equivalent corrosion resistance. A40 galvanized products are not acceptable.
- B. Studs and Runners: ASTM C 645. Use either steel studs and runners or "EQ" Equivalent Gauge steel studs and runners where required for STC indicated.
1. Steel Studs and Runners:
    - a. Minimum Base-Metal Thickness: 0.0296 inch.
    - b. Depth: As indicated on Drawings.
  2. Dimpled Steel Studs and Runners:
    - a. Minimum Base-Metal Thickness: 0.033 inch.
    - b. Depth: As indicated on Drawings.
  3. Basis of Design: Subject to compliance with requirements, provide products based on products as manufactured by:
    - a. ClarkDietrich Building Systems.
  4. Acceptable Manufacturers: Subject to compliance with requirements, in lieu of the Basis of Design manufacturer, Contractor may provide products from another manufacturer that meet or exceed the published data of the specified Basis of Design manufacturer.
- C. Slip-Type Head Joints: Where indicated, provide the following:
1. Deflection Track: Steel sheet top runner manufactured to prevent cracking of finishes applied to interior partition framing resulting from deflection and drift of structure above; in thickness not less than indicated for studs, in width to accommodate depth of studs, and with all accessory parts required for a complete installation.
    - a. Basis of Design: Subject to compliance with requirements, Deflection Track incorporated into the project shall be based on products as follows:
      - 1) ClarkDietrich Building Systems; "Max Trak 2D."
    - b. Acceptable Manufacturers: Subject to compliance with requirements, in lieu of the Basis of Design manufacturer, Contractor may provide products from another manufacturer that meet or exceed the published data of the specified Basis of Design product.
- D. Hat-Shaped, Rigid Furring Channels: ASTM C 645.
1. Minimum Base-Metal Thickness: 0.0296 inch.
  2. Depth: As indicated on Drawings.

2.3 AUXILIARY MATERIALS

- A. General: Provide auxiliary materials that comply with referenced installation standards.
  - 1. Fasteners for Metal Framing: Of type, material, size, corrosion resistance, holding power, and other properties required to fasten steel members to substrates.
- B. Isolation Strip at Exterior Walls: Provide the following:
  - 1. Foam Gasket: Adhesive-backed, closed-cell vinyl foam strips that allow fastener penetration without foam displacement, 1/8 inch thick, in width to suit steel stud size.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas and substrates, with Installer present, and including welded hollow-metal frames, cast-in anchors, and structural framing, for compliance with requirements and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION, GENERAL

- A. Installation Standard: ASTM C 754.
  - 1. Gypsum Board Assemblies: Also comply with requirements in ASTM C 840 that apply to framing installation.
- B. Install supplementary framing, and blocking to support fixtures, equipment services, heavy trim, grab bars, toilet accessories, furnishings, or similar construction.
- C. Install bracing at terminations in assemblies.
- D. Do not bridge building control and expansion joints with non-load-bearing steel framing members. Frame both sides of joints independently.

3.3 INSTALLING FRAMED ASSEMBLIES

- A. Install framing system components according to spacings indicated, but not greater than spacings required by referenced installation standards for assembly types.
  - 1. Single-Layer Application: 16 inches o.c. unless otherwise indicated.
- B. Where studs are installed directly against exterior masonry walls or dissimilar metals at exterior walls, install isolation strip between studs and exterior wall.
- C. Install studs so flanges within framing system point in same direction.

- D. Install tracks (runners) at floors and overhead supports. Extend framing full height to structural supports or substrates above suspended ceilings except where partitions are indicated to terminate at suspended ceilings. Continue framing around ducts penetrating partitions above ceiling.
  - 1. Slip-Type Head Joints: Where framing extends to overhead structural supports, install to produce joints at tops of framing systems that prevent axial loading of finished assemblies.
  - 2. Door Openings: Screw vertical studs at jambs to jamb anchor clips on door frames; install runner track section (for cripple studs) at head and secure to jamb studs.
    - a. Install two studs at each jamb unless otherwise indicated.
    - b. Install cripple studs at head adjacent to each jamb stud, with a minimum 1/2-inch clearance from jamb stud to allow for installation of control joint in finished assembly.
    - c. Extend jamb studs through suspended ceilings and attach to underside of overhead structure.
  - 3. Other Framed Openings: Frame openings other than door openings the same as required for door openings unless otherwise indicated. Install framing below sills of openings to match framing required above door heads.
- E. Direct Furring:
  - 1. Screw to wood framing.
  - 2. Attach to concrete or masonry with stub nails, screws designed for masonry attachment, or powder-driven fasteners spaced 24 inches o.c.
- F. Installation Tolerance: Install each framing member so fastening surfaces vary not more than 1/8 inch from the plane formed by faces of adjacent framing.

END OF SECTION 09 22 16

**BID FORM**

CONTRACT NO.2 HVAC CONSTRUCTION

*Southern Middle School Library Renovations  
for  
Reading School District*

Bid of: Southern Middle School Library Renovations for Reading School District

To: Mr. Joe Chiarelli, Purchasing Agent, Reading, PA

In conformity with the Drawings and Specifications as prepared by Consolidated Engineers, 1022 James Drive, Leesport, Pennsylvania for Southern Middle School Library Renovations (the "Project"), and after an examination of the site and the Bidding and Contract Documents, including the Advertisement, Instructions to Bidders, Bid Form, Bid Bond, Qualification Statement, General Conditions as modified, Standard Form of Agreement, Performance Bond and Payment Bond, Insurance Requirements, and Technical Specifications and Drawings, the undersigned submits this Bid and encloses herewith as a bond on the form enclosed, furnished by Reading School District (the "District"), in an amount of not less than ten percent (10%) of the total of the hereinafter stated Base Bid, made payable to or indemnifying the District, 800 Washington Street Reading, Pennsylvania. The District shall hold this bid security, as provided in the Instructions to Bidders, if this Bid or any part thereof is accepted by the District, and the undersigned shall fail to furnish approved bonds and execute the Agreement within ten (10) days from the date of issuance of the award. Should the District fail to make an award on this Project through no fault or failure on the part of the Bidder, then the District shall return said bid security.

It is hereby certified that the undersigned is the only person(s) interested in this Bid as principal, and that the Bid is made without collusion with any person, firm, or corporation. The Bidder submits herewith, as such, a Non-Collusion Affidavit in accordance with the provisions of the Pennsylvania Antbid-Rigging Act, 62 Pa.C.S. Section 4501 et seq.

Bidder hereby agrees to execute the Agreement and furnish surety company bonds in the form incorporated in the Contract Documents, in the amount of one-hundred percent (100%) of the Contract Sum for the Performance Bond and Payment Bond, within ten (10) days after mailing by the School Board of notice of award, and to begin work within ten (10) days after date of Notice to Proceed.

Bidder guarantees that, if awarded the Contract, he will furnish and deliver all materials, tools, equipment, tests, transportation, secure all permits and licenses, do and perform all labor, superintendence and all means of construction, pay all fees and do all incidental work, and to execute, construct and finish, in an expeditious, substantial and workmanlike manner, in accordance with the Drawings and Specifications, to the complete satisfaction and acceptance of the District, for Southern Middle School Library Renovations. It is understood that the District Board of School Directors (the "School Board"), reserves the right to reject any or all bids, or part thereof, or items therein and to waive technicalities required for the best interest of the District. It is further understood that competency and responsibility of bidders will receive consideration before the award of the Contract. A certified copy of the Contractor's Qualification Statement, AIA Document A305 shall be submitted.

**Southern Middle School Library Renovations  
Reading School District  
February 2022**

Bidder submits this Bid with the understanding that the work shall be completed on or before **November 18, 2022**; in accordance with the schedule; and, that time for completion of the work shall be considered as of the essence of this Contract. The Project start date shall be Immediately after School Board approval and Contract signing. A detailed breakdown sheet of the work, and the Contract Sum of the work involved, shall be submitted to the Engineer, within fifteen (15) calendar days after the execution of the Contract.

The Bidder agrees that he will not assign his Bid or any of his rights or interests thereunder without the written consent of the School Board.

SUBMITTALS: The Bidder agrees to submit shop drawings for the Southern Middle School Library Renovations for the Reading School District within two (2) weeks after the Contract is fully executed.

THE BID, as called for, is submitted as follows:

BASE BID, Contract No.2 HVAC Construction Trane/Mitsubishi Equipment

\_\_\_\_\_ Dollars  
(\$ \_\_\_\_\_)

ALTERNATES

ALTERNATE BID H-1 Daiken Equipment

State the cost to be added to, or deducted from the base bid to use Daiken VRF system equipment in lieu of the base bid Trane System/Equipment. Alternate equipment must meet all the specifications of the BASE BID Equipment. Equipment capacities and electrical characteristics must also meet the values listed in the contract documents.

\_\_\_\_\_ Dollars  
(\$ \_\_\_\_\_)

ALTERNATE BID H-2 JCI/Hitachi Equipment

State the cost to be added to, or deducted from the base bid to use JCI/Hatachi VRF system equipment in lieu of the base bid Trane system/equipment. Alternate equipment must meet all the specifications of the BASE BID equipment. Equipment capacities and electrical characteristics must meet the values listed in the contract documents.

\_\_\_\_\_ Dollars  
(\$ \_\_\_\_\_)



ALTERNATE BID H-3 Extended 2-Year Warranty for HVAC Equipment, Controls

State the total cost to be added to the base bid to provide a full 2-year extended HVAC full-service equipment and labor warranty for HVAC Equipment and Controls.

\_\_\_\_\_ Dollars  
(\$ \_\_\_\_\_)

UNIT PRICES

The Undersigned hereby agrees that each Unit Price submitted represents full compensation for either additions to or deductions from the Contract Sum for extra work or changes ordered under the Contract, as specified for Unit prices under instructions to Bidders and Division 1 "General Requirements".

Unit Price No. HVAC 1:            10'-0" of 1" Hot Water Piping            \$ \_\_\_\_\_.

Unit Price No. HVAC 2:            10'-0" of 3/4" Condensate Piping            \$ \_\_\_\_\_.

Unit Price No. HVAC 3:            10'-0" of 12"X 8" Ductwork            \$ \_\_\_\_\_.

ALLOWANCES

The Undersigned hereby agrees that the sums indicated for each labor and material allowance is included in the Base Bid and is work that is in addition to the required work of the Contract. The undersigned further certifies that the labor and material sums for each allowance shall be established using the listed. Unit Price indicated on this Bid Form, except where alternative direction is provided in the allowance description. The Undersigned agrees that unused allowance sums will be deducted from the Contract amount by Change Order.

Allowance No. HVAC 1:            Eight (8) of 1" Hot Water Piping            \$ \_\_\_\_\_.

Allowance No. HVAC 2:            Eight (8) of 3/4" Condensate Piping            \$ \_\_\_\_\_.

Allowance No. HVAC 3:            Four (4) of 12" x 8" Ductwork            \$ \_\_\_\_\_.

In submitting this Bid, I have received and included in this Bid, the instructions and information contained in the following Addenda:

<u>Addendum No.</u>	<u>Dated</u>
_____	_____
_____	_____
_____	_____

The undersigned certifies that the Contract Documents have been considered, in their entirety, both before and in the preparation of this Bid. The undersigned, in submitting this Bid, intends to be legally bound by this Bid.

IN WITNESS WHEREOF, the undersigned has caused this Bid to be executed as of

\_\_\_\_\_. Date

When the Bidder is an Individual:

_____	_____ (SEAL)
Witness	Bidder

\*\*\*\*\*

When the Bidder is a Partnership:

_____	_____ (SEAL)
Witness	

By: _____ (SEAL)	_____ (SEAL)
	_____ (SEAL)

Partners

\*\*\*\*\*

When the Bidder is a Corporation: (CORPORATE SEAL)

\_\_\_\_\_ ATTEST:

\_\_\_\_\_  
Secretary

By: \_\_\_\_\_  
President

\_\_\_\_\_ is a Corporation organized

and existing under the Laws of \_\_\_\_\_ and has (has not)  
been granted a Certificate of Authority to do Business in Pennsylvania, as required by the Business  
Corporation Law, approved May 5, 1933, P. L. 364, as amended to date.

END OF SECTION 00300