

# ADDENDUM NO. 1



studio

**TO:** All Plan Holders  
**FROM:** Studio Kremer Architects  
**DATE:** September 23, 2020  
**PROJECT:** **OVEC office interior renovation and storage addition**  
ska# 2019-51

This Addendum supersedes and supplements all portions of the Construction Documents with which it conflicts. Acknowledgement of this Addendum shall be noted on the Form of Proposal.

Any revisions to the Drawings indicated on the attached architectural sketches (**ASK's**) will be clouded.

Addendum No.1 makes the following modifications and clarifications to the Construction Drawings and Specifications:

## Architectural Items:

### **Item No.1:**

The bid date shall be revised as follows:

Sealed bids shall be submitted to Ohio Valley Educational Cooperative, 100 Alpine Drive, Shelbyville, Kentucky, 40065, attention Mark Elmore **prior to 10:30 am on Tuesday, September 29, 2020.** Bids will be opened and read aloud at that time. **Bid opening will occur ON SITE at the OVEC office in one of the large conference rooms. Tables will be arranged to achieve proper distancing during this time. Please limit the number of representatives from each company to no more than 2. Masks will be required inside the building at all times.** OVEC will review the bids to identify the lowest evaluated bid price based on total price, estimated time of completion, compliance with materials list and experience with similar projects.

### **Item No.2:**

Existing CMU masonry above the north side of the existing overhead garage door has cracking which requires some CMU replacement. An assumed area of 5'-4" wide by 4'-0" tall (both +/-) shall be assumed to be removed and replaced with similar type and thickness of CMU. A new control joint shall be placed near the center of the damaged area to extend from the end of the existing bond beam vertically to the top of the CMU. Where the new CMU is installed, cut as needed to be "toothed-in" to existing CMU to remain.

An area of approximately 20'-0" wide by 14'-0" tall (height of existing building) shall be painted with Int./Ext. Acrylic Masonry Block Filler and 2 finish coats of water-based epoxy paint, color to match existing wall. This area approximately covers the wall area (on existing building east wall) from the new north wall of the addition to the south jamb of the closest existing window.

studio kremer architects

1231 S Shelby Street, Louisville, KY 40203  
TEL 502.499.1100 FAX 502.499.1101

**Item No.3:**

For the storage room addition, the basis of design brick veneer shall be Lee Brick & Block, Cherokee Brick-Saint James modular, Regular grey mortar.

**Item No.4:**

Material staging and parking shall be accommodated on site. Parking shall be in the rear parking lot, closest to the building addition. Contractor to give estimated vehicle count at construction progress meetings so OVEC may plan accordingly. Material staging will be allowed in the grass area adjacent to the parking area near the building addition location.

**Item No.5:**

The autocad file for the site contour design is attached in this correspondence. This file is being provided for the contractor's convenience in verifying scope of work and he/she may not rely upon the digital data to be complete or free of errors unless specifically acknowledged by the design team in writing. The recipient understands that the automated conversion of information and data from the system and format used by a member of the design team to an alternate system or format is prone to introduce inexactitude, anomalies and errors for which the recipient assumes all risks and responsibilities. The recipient also understands that the digital data is copyrighted and is not to be used for any other projects or forwarded unless authorized in writing by the design team.

**Item No.6:**

On sheet A4.01, General Notes H-P shall be DELETED. These notes pertain to the previously completed renovation scope of work at this building.

**Item No.7:**

Basis of Design for multiple products are listed below:

- Gypsum board National Gypsum, 5/8" Type-X, tapered and featured at long edges.
- Sound Batt Insulation ASTM C-665, Type I, unfaced semi rigid mineral fiber or fiberglass batt type, thickness indicated on Drawings, friction fit, with maximum flame/smoke properties of 25/450 in accordance with ASTM E-84.
- Wood doors Solid core, flat cut birch veneer, stained to match existing doors in the building. Vertical edges shall match species as face veneer or be compatible species.
- HM door frames Interior hollow metal door frames shall be 16ga cold rolled steel, knock down frames. Frames to be painted per interior finishes schedule and to match existing hollow metal frames in the building.
- Painting Interior GWB: (1) coat primer  
(2) finish coats  
Interior CMU: (1) coat Int./Ext. Acrylic Masonry Block Filler  
(2) coats Interior/Ext Acrylic Enamel

Exterior ferrous metal surfaces to receive rust-inhibitive steel primer and 2 coats of industrial enamel paint.

Exterior galvanized metal surfaces to receive INT/EXT industrial primer and 2 coats of INT/EXT industrial enamel paint.

**Item No.8:**

The proposed top of CMU elevation at the rear wall of the addition (drawing 4 on sheet A3.0) is 12'-0" AFF. Minor adjustments shall be made as necessary to ensure ample space is available between top of new roof and the existing building rake roof edge to accommodate the flashing indicated in drawing 3 on sheet A3.1.

**Item No.9:**

Per attached drawing ASK 01, built-in wood shelving shall be provided in the areas indicated inside the new storage addition. These shall be constructed of wood stud framing and ¾" plywood.

**Item No.10:**

The roofing system for the storage room addition shall change from the listed TPO system to be Fully-Adhered TPA Membrane Roofing System. The basis of design manufacturer is Tremco, Inc. and the system shall include all components for a full system including, but not limited to, membrane, base sheet, adhesives, fasteners, insulation, cover board and blocking as required by the manufacturer as a warranted system. Roof system shall carry a 20 year warranty from the date of Substantial Completion.

**MEP ITEMS:**

**Item No.11:**

With regard to the connection of the new HVAC units to the gas service, that connection shall be made as is shown in the construction documents. No connection shall be made via the gas pipe currently visible in the storage area.

**Item No.12:**

See attached additional specification information pertaining to the HVAC design.

**Attachments:** Mechanical specifications, ASK 01, sitework autocad file

**END OF ADDENDUM NO.1**

(referenced attachments follow)

## 1 INSULATION

A. INSULATION: FLAME/SMOKE RATINGS: PROVIDE INSULATION (INSULATION, JACKETS, COVERINGS, SEALERS, MASTICS AND ADHESIVES) WITH FLAME-SPREAD RATING OF 25 OR LESS, AND SMOKE-DEVELOPED RATING OF 50 OR LESS, AS TESTED BY ANSI/ASTM E 84 (NFPA 255)

B. ALL DOMESTIC WATER PIPING SHALL BE INSULATED. THE INSULATION SHALL BE A HEAVY DENSITY, PIPE INSULATION WITH A K FACTOR .22 AT 75F MEAN TEMPERATURE. THE INSULATION SHALL BE WRAPPED WITH A VAPOR BARRIER JACKET WITH SELF-SEALING LAP, EQUAL TO CERTAIN-TEED, MANSVILLE, OWENS-CORNING OR ARMSTRONG. COVER FITTINGS WITH ZESTON OR EQUAL PREMOLDED INSULATING FITTINGS. INSULATION SHALL BE INSTALLED IN A PROFESSIONAL, NEAT APPEARING MANNER; POOR WORKMANSHIP SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. APPLICATION THICKNESSES SHALL BE AS FOLLOWS: DOMESTIC COLD WATER PIPING: 1/2" THICK; DOMESTIC HOT WATER PIPING: 1" THICK.

C. LAVATORY P-TRAPS SHALL BE INSULATED WITH 1/2" PRE-FORMED FIBERGLASS "TRAP-WRAP".

D. INTERIOR HVAC CONDENSATE PIPING TO BE INSULATED WITH 3/4" IMCOLOCK OR 1/2" FIBERGLASS WITH AP JACKET.

E. REFRIGERANT PIPING SHALL BE INSULATED WITH 1" THICK IMCOLOCK FLEXIBLE POLYOLEFIN FOAM PIPE INSULATION. INSULATION SHALL BEAR U.L. LISTING FOR A 25/50 FLAME SMOKE SPREAD, AND SHALL BE RATED FOR DUTY IN RETURN AIR PLENUMS. PRODUCT SHALL BE STABILIZED AGAINST ULTRA-VIOLET LIGHT DEGRADATION. EXTEND PIPING INSULATION WITHOUT INTERRUPTION THROUGH WALLS, FLOORS AND SIMILAR PIPING PENETRATIONS, EXCEPT WHERE OTHERWISE INDICATED.

F. INTERIOR SUPPLY AND RETURN AIR DUCT: FLEXIBLE FIBERGLASS DUCTWORK INSULATION: FS HH-I-558, FORM B, TYPE I.

G. INSULATION TO HAVE A DENSITY OF 1.0 PCF DENSITY AND SHALL HAVE A "K" VALUE OF 0.28 MAXIMUM AT 75 DEG. F.

H. INSULATE SUPPLY AND OUTSIDE AIR DUCTWORK WITH 2" THICK, 1.0 PCF FLEXIBLE INSULATION WRAP. DO NOT USE DUCT LINER.

I. EXTEND PIPING INSULATION WITHOUT INTERRUPTION THROUGH WALL, FLOORS AND SIMILAR PIPING PENETRATIONS, EXCEPT WHERE OTHERWISE NOTED.

## 2 PLUMBING PIPING MATERIALS & INSTALLATION:

A. DOMESTIC WATER: ALL DOMESTIC WATER PIPING INSTALLED BELOW BASE SLAB, OR BELOW GRADE, SHALL BE TYPE "K" SOFT TEMPTER TUBING WITH FLARED COPPER FITTINGS AND CONNECTIONS, OR TYPE "K" HARD TEMPER COPPER TUBING WITH CONVENTIONAL WROUGHT COPPER FITTINGS AND SILVER SOLDER (SILFOS) JOINTS. CARE SHALL BE TAKEN TO INSTALL AS FEW UNDERGROUND COPPER PIPING JOINTS AS IS POSSIBLE. ALL DOMESTIC WATER PIPING INSTALLED BELOW GRADE SHALL HAVE 36" MINIMUM COVER.

B. ALL PIPING FOR HOT AND COLD WATER ABOVE THE SLAB, WITHIN THE BUILDING, SHALL BE TYPE "L" HARD TEMPER COPPER TUBE WITH WROUGHT COPPER FITTINGS AND SOLDERED CONNECTIONS MADE UP WITH LEAD FREE SOLDER EQUAL IN PERFORMANCE TO 95/5 SOLDER.

C. SOIL AND WASTE: ALL SOIL AND WASTE PIPING TO BE SCHEDULE 40 PVC WITH SOLVENT JOINED FITTINGS. ALL VENT PIPING CONCEALED IN WALLS MAY BE SCHEDULE 40 PVC.

D. PIPING STERILIZATION: STERILIZE THE HOT AND COLD WATER PIPING SYSTEM IN ACCORDANCE WITH CODE AND FLUSH COMPLETELY AFTERWARDS.

### 3 TESTING

A. PRESSURE TESTING: ALL WATER PIPING SHALL BE TESTED OVER NORMAL STATIC WATER PRESSURE. ALL WASTE PIPING SHALL BE TESTED WITH ALL STACKS FILLED WITH WATER, AND ANY OTHER TESTS REQUIRED BY THE PLUMBING INSPECTOR. ALL PIPING SHALL BE TESTED BEFORE ANY INSULATION INSTALLED. ALL LINES, JOINTS, FLANGES, VALVE STEMS, ETC., SHALL BE LEAK TIGHT.

### 4 DUCT INSTALLATION

A. DUCTWORK QUALITY ASSURANCE: COMPLY WITH LATEST EDITION OF SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION (SMACNA) HVAC DUCT CONSTRUCTION STANDARDS. COMPLY WITH APPLICABLE PROVISIONS OF ANSI/NFPA 90A "AIR CONDITIONING AND VENTILATING SYSTEMS", PERTAINING TO INSTALLATION OF DUCT ACCESSORIES.

### 5 TESTING, ADJUSTING AND BALANCING

A. EXTENT OF TESTING, ADJUSTING, AND BALANCING WORK IS INDICATED BY REQUIREMENTS OF THIS SECTION, AND ALSO BY DRAWINGS AND SCHEDULES, AND IS DEFINED TO INCLUDE, BUT IS NOT NECESSARILY LIMITED TO, AIR DISTRIBUTION SYSTEMS,

AND ASSOCIATED EQUIPMENT AND APPARATUS OF MECHANICAL WORK. THE WORK CONSISTS OF PRESSURE TESTING, SETTING SPEED AND VOLUME (FLOW) ADJUSTING FACILITIES PROVIDED FOR SYSTEMS, RECORDING DATA, CONDUCTING TESTS, PREPARING AND SUBMITTING REPORTS, AND RECOMMENDING MODIFICATIONS TO WORK AS REQUIRED BY CONTRACT DOCUMENTS.

B. CONTRACTOR SHALL EMPLOY THE SERVICES OF A TESTING AND BALANCING FIRM TO TAKE TEST READINGS ON ALL FANS AND UNITS, AND TO ADJUST FAN SPEEDS TO DELIVER SPECIFIED AMOUNTS OF AIR. TESTING AND BALANCING REPORT LOGS SHALL BE MADE SHOWING ALL AIR SUPPLY QUANTITIES, FAN AND UNIT TEST READINGS, ETC.; (3) THREE COPIES OF THE LOG SHALL BE SUBMITTED TO THE ENGINEER BEFORE FINAL INSPECTION OF THE PROJECT AND IS NECESSARY FOR FINAL PAYMENT. LOG SHALL BE LISTED BY UNIT, AND SHALL ADDITIONALLY INDICATE UNIT HORSEPOWER, MOTOR NAMEPLATE AMPS, AND ACTUAL AMPS DRAW AFTER ALL ADJUSTMENTS ARE COMPLETED. ALSO EACH ROOM SHALL BE LISTED WITH TOTAL EXHAUST, SUPPLY AND RETURN AIR QUANTITIES LISTED.

C. PATCH HOLES IN INSULATION, DUCTWORK AND HOUSINGS, WHICH HAVE BEEN CUT OR DRILLED FOR TEST PURPOSES, IN MANNER RECOMMENDED BY ORIGINAL INSTALLER.

D. PREPARE A REPORT OF RECOMMENDATION FOR CORRECTING UNSATISFACTORY MECHANICAL PERFORMANCES WHEN SYSTEM CANNOT BE SUCCESSFULLY BALANCED; INCLUDING, WHERE NECESSARY, MODIFICATIONS WHICH EXCEED REQUIREMENTS OF CONTRACT DOCUMENTS FOR MECHANICAL WORK.

E. RETEST, ADJUST AND BALANCE SYSTEMS SUBSEQUENT TO SIGNIFICANT SYSTEM MODIFICATIONS, AND RESUBMIT TEST RESULTS.

## 6 REFRIGERATION PIPING SYSTEMS

A. BRAZING: COMPLY WITH APPLICABLE REQUIREMENTS OF ANSI B31.5 AND ANSI B31-5A, "REFRIGERATION PIPING", PERTAINING TO BRAZING OF REFRIGERATION PIPING FOR SHOP AND PROJECT SITE LOCATIONS.

B. REFRIGERANT PIPING LEAK TEST: PRIOR TO INITIAL OPERATION, CLEAN AND TEST REFRIGERANT PIPING IN ACCORDANCE WITH ANSI B31.5 AND ANSI B31.5A, "REFRIGERATION PIPING". PERFORM INITIAL TEST WITH DRY NITROGEN, USING SOAP SOLUTION TO TEST ALL JOINTS. PERFORM FINAL TEST WITH 27" VACUUM, AND THEN 200 PSI USING HALIDE TORCH. SYSTEM MUST BE ENTIRELY LEAK FREE ACR COPPER TUBE.

## 7 PACKAGE ROOFTOP AIR CONDITIONING UNITS (CONSTANT VOLUME ONLY)

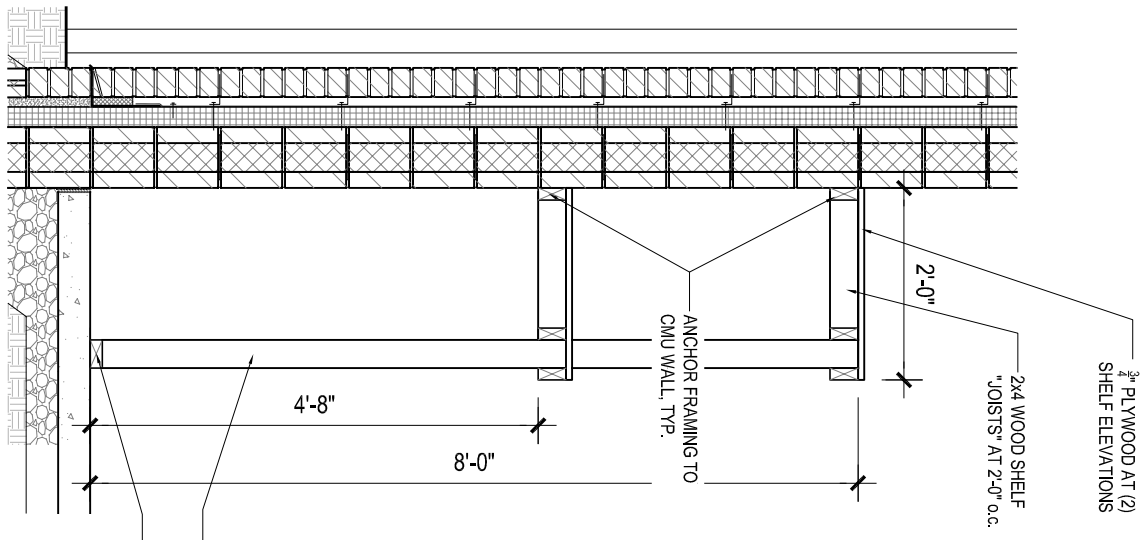
A. TEMPERATURE CONTROLS CONTRACTOR TO PROVIDE PROGRAMMABLE AUTO-CHANGEOVER THERMOSTATS FOR EACH CONSTANT VOLUME ROOFTOP UNIT (EXISTING,

NEW OR PROVIDED BY LANDLORD). THERMOSTATS SHALL BE PROVIDED WITH HEAT-COOL-OFF SWITCH AND AUTO/ON FAN CONTROL. THERMOSTAT SHALL HAVE SEVEN DAY PROGRAMMING CAPABILITIES FOR NIGHT SETBACK WITH OVER-RIDE CAPABILITY. SETBACK CAPABILITY SHALL NOT BE SET TO DEVIATE ROOM TEMPERATURE BEYOND 8 DEGREES FAHRENHEIT FROM NORMAL SETPOINT.

ASK 01  
2

BUILT-IN STORAGE  
SECTION

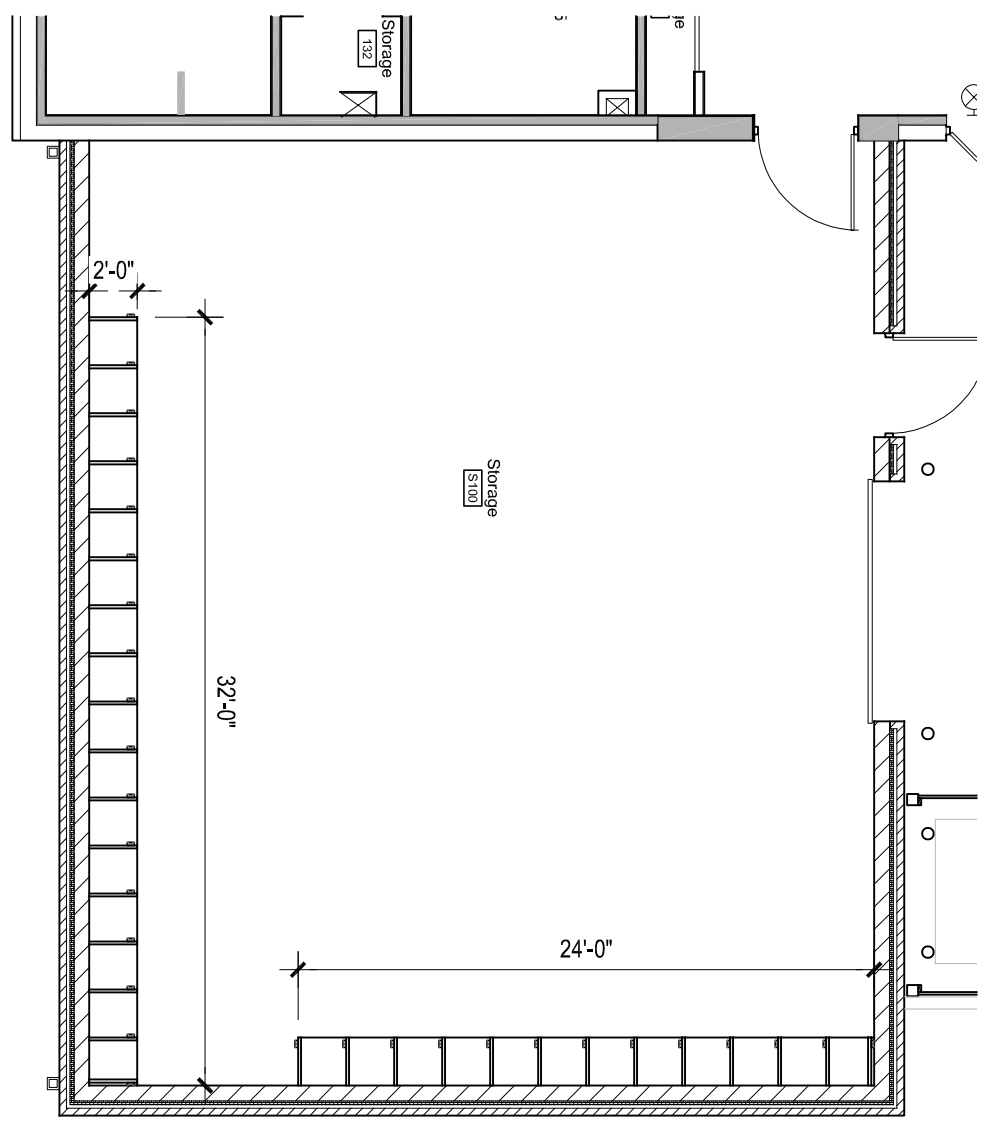
Scale: 1/2"=1'-0"



ASK 01  
1

BUILT-IN STORAGE  
FLOOR PLAN

Scale: 1/8"=1'-0"



ADDENDUM no.1

added to record drawing

studio kremer architects

1231 S Shelby St, Louisville, KY 40203  
TEL 502.499.1100 FAX 502.499.1101



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**PROJECT LINE 1**  
**Project Line 2**

Address  
City, State Zip

title / description: <b>Built-in Shelving</b>		sketch no.:
project no.:	#	ASK 01
date:	09.23.2020	
drawn by:	JA	
checked by:		
scale:	see drawing	reference dwg: