ADDENDUM NO. 1

Issued: December 20, 2023
Project: Heritage Middle School Renovations
Project No. 23024
Owner: Liberty Public Schools
8 Victory Lane
Liberty, Missouri 64068

Bidding Documents Issued: 12.13.2023

This Addendum includes these 2 page[s] and the following attachments:

Drawings:
Revised Architectural Sheets: A331, A501, A502, A504, and A662
Refer to Smith & Boucher, MEP Addendum No. 1

DRAWINGS REVISIONS

A1 SHEET A331 – WALL SECTIONS - EXTERIOR
A1.1 ADD window shades to section A5 per attached sheet A331.
A1.2 ADD detail callout for roller shades to section A9 per attached sheet A331.

A2 SHEET A501 – DOOR SCHEDULE
A2.1 REVISE jamb detail references on openings B202, B203, B302, B308, and B309 per attached sheet A501.

A3 SHEET A502 – DOOR & FRAME TYPES
A3.1 ADD new jamb details G1, G5, G9, and G13 per attached sheet A502.

A4 SHEET A504 – DOOR & WINDOW DETAILS 1964 ADDITION - EXTERIOR
A4.1 ADD new detail M5 per attached sheet A504.
A4.2 ADD roller shade to detail D17 per attached sheet A504.

A5 SHEET A662 – INTERIOR DETAILS
A5.1 REVISE door casing trim type to WT-10 per attached sheet A662.

M1 REFERENCE ATTACHED MEP ADDENDUM NO. 1
E1 REFERENCE ATTACHED MEP ADDENDUM NO. 1
P1 REFERENCE ATTACHED MEP ADDENDUM NO. 1
SUBSTITUTION REQUEST APPROVALS

This portion of the addendum designates those materials, products and equipment approved prior to submission of bids, as set forth in the contract documents. Items added to the proposed contract documents by this addendum are the only proposed substitutions received and approved by the architect in accordance with those provisions. No other items shall be substituted or bid as “equals”.

It is understood that all items allowed by this addendum are subject to the full provisions of the original proposed contract documents and all modifications thereto and, as such, shall match standards of the original specified items with respect to materials, workmanship, design, size, capacity, type, function, finish, performance, quality, warranty, etc. Nothing in this addendum shall be construed as altering those original standards or modifications thereto.

Approvals are based upon the opinion, knowledge, information and belief of the architect at time of issuance of this addendum and reliance upon data submitted. Approvals are therefore interim in nature and subject to reconsideration as additional data, materials, workmanship and coordination with other work are observed and reviewed. In proposing items allowed by this addendum, bidder assumes all risk, costs and responsibility for item’s final acceptance, integration into the work and performance.

SECTION 072500 – WEATHER BARRIERS

W.R. Meadows – AIR-SHIELD SMP sheet membrane vapor permeable air barrier is acceptable for the water-resistant barrier.

END OF ADDENDUM NO. 01
Heritage Middle School Renovation
Smith & Boucher Project No. 2314708

12-20-2023

To Documents Titled:
Heritage Middle School Renovation
100% Construction Documents
December 20th 2023

Architect-of-Record:
Hollis + Miller Architects
1828 Walnut Street Suite 922
Kansas City, MO 64108

The Contract Documents for the above referenced project and the Work covered thereby are modified as described herein.

DRAWINGS
1. Sheet ME301 – Mechanical and Electrical- Schedules
   a. Revised VAV schedule heating coil entering and leaving water temperatures, and revised heating coil GMP.

2. Sheet ME302 – Mechanical and Electrical- Schedules
   a. Revised Fan Coil Unit schedule heating coil entering and leaving water temperatures, and revised heating coil GMP.
   b. Revised Heat Recovery Unit chilled water and hot water coil capacity.

3. Sheet ME303 – Mechanical and Electrical- Schedules
   a. Revised Air Handling Unit schedule heating coil and cooling coil entering and leaving water temperatures, and revised heating coil and cooling coil GMP and capacity.
   b. Revised Air Handling Unit schedule electrical information.
   c. Revised Air Handling Unit schedule UV light info.

4. Sheet M200A – HVAC Piping Plan- Level 0 – Area A
   a. Revised hot water supply and return pipe size.

5. Sheet M201A – HVAC Piping Plan- Level 1 – Area A
   a. Revised hot water supply and return pipe size.

6. Sheet M202A – HVAC Piping Plan- Level 2 – Area A
   a. Revised hot water supply and return pipe size.

Attachments
- ME301
- ME302
- ME303
- M200A
- M201A
- M202A

END OF MEP ITEMS FOR ADDENDUM NO. 1
Level 1 - 60s Addition

97' - 0"

T.O. Roof - Commons

115' - 6"

A504

H13

A504

D13

08 41 13.A01

A504

D17

EXISTING STEEL
COLUMN BEYOND, PAINT HP1 TO MATCH ADJ WALL

Level 0 - 60s Addition

85' - 6"

EXISTING ELEVATED SLAB

Level 2 - 60s Addition

108' - 4"

Level 3

126' - 8"

A505

A11

SIM

A505

A11

K6

A505

K6

CLEAN EXISTING NATURAL STONE

Sheet Notes

1. PATCH AND REPAIR SURROUNDING GYP/PLASTER/FINISH WALL SURFACE AS NEEDED AT ALL WALL LOCATIONS FOR DEMO & REINSTALLATION OF NEW DOORS, WINDOWS, AND STOREFRONT FRAMING.

2. REMOVE AND REPLACE DETERIORATED OR DAMAGED HEAD/JAMB/SILL MATERIAL AS NEEDED WITH NEW BLOCKING. VERIFY W/ ARCHITECT.

3. ALL PERIMETER ALUMINUM SNAP TRIM TO BE REMOVED AT ALL NEW WINDOW REPLACEMENT LOCATIONS AT 1923 BUILDING.

4. EXISTING WALL CONDITIONS SHOWN TO THE BEST OF AVAILABLE KNOWLEDGE BY SITE OBSERVATIONS AND AVAILABLE AS-BUILT DRAWINGS. CONNECTIONS TO EXISTING HEAD/JAMB/SILL CONDITIONS MAY DIFFER FROM DOCUMENTS. VERIFY IN FIELD AND REPORT ALL DISCREPANCIES TO ARCHITECT BEFORE PROCEEDING WITH NEW WORK.

A-2019015618 Kevin E. Nelson

DRAWN BY:

DATE:

REVISIONS:

CHECKED BY:

Bob D. Campbell

Structural Engineer

State Certificate of Authority #000442

4338 Belleview Ave

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816.531.4144 phone

816.531.8572 fax

Smith & Boucher Engineers

Mech/Elect/Plumb Engineer

State Certificate of Authority #EGC-0001787

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mha Food Facility Consultants, LLC

Food Facility Planner

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785.266.5696 phone

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Missouri State Certificate of Authority Architecture # 0000161

Hollis + Miller Architects

JOB NO:

SHEET KEYNOTE LEGEND

WALL SECTIONS - EXTERIOR

600 W. Kansas Street Liberty, MO 64068

12.07.2023 JB

100% CONSTRUCTION DOCUMENTS

Scale

1/2" = 1'-0"
GLASS LEGEND

1. FULLY-TEMPERED MONOLITHIC FLOAT GLASS
2. 1/4" CLEAR FULLY-TEMPERED MONOLITHIC FLOAT GLASS
3. 3/8" CLEAR FULLY-TEMPERED MONOLITHIC FLOAT GLASS
4. 1/2" CLEAR FULLY-TEMPERED MONOLITHIC FLOAT GLASS
5. LOW-E CLEAR INSULATED GLASS
6. LOW-E CLEAR INSULATED FULLY-TEMPERED GLASS
7. CLEAR INSULATED FULLY-TEMPERED GLASS
8. LOW-E INSULATED SPANDREL GLASS
9. INSULATED FULL-TEMPERED GLASS
10. LOW-E INSULATED FIRE-RESISTIVE GLASS
11. 90 MINUTE FIRE-RESISTIVE GLASS
12. 20 MINUTE FIRE-REINFORCED GLASS
13. 45 MINUTE FIRE-REINFORCED GLASS
14. LOW-E TINTED ACID-ETCHED INSULATING GLASS

DOOR TYPE NOTES

1. REFER TO DOOR SCHEDULE FOR OVERALL DOOR DIMENSIONS
2. DIMENSIONS ASSOCIATED WITH VISION LITES ARE TO THE OUTSIDE OF THE VISION LITE FRAME UNLESS NOTED OTHERWISE
3. REFER TO DOOR SCHEDULE TO DETERMINE WHICH DOORS ARE REQUIRED TO BE FIRE RATED
4. REFER TO DOOR SCHEDULE FOR GLASS TYPES IN DOORS

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Hollis + Miller Architects

A501
DOOR SCHEDULE
600 W. Kansas Street Liberty, MO 64068
12.07.2023 JB
100% CONSTRUCTION DOCUMENTS
### Piping Material Schedule - Plumbing

<table>
<thead>
<tr>
<th>Description</th>
<th>Type</th>
<th>Size</th>
<th>Length</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic Water</td>
<td>7/8&quot;</td>
<td>250 ft</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Domestic Water</td>
<td>1&quot;</td>
<td>200 ft</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Domestic Water</td>
<td>1 1/2&quot;</td>
<td>150 ft</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Domestic Water</td>
<td>2&quot;</td>
<td>100 ft</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Recirculation Water</td>
<td>3/4&quot;</td>
<td>300 ft</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Recirculation Water</td>
<td>1&quot;</td>
<td>250 ft</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Recirculation Water</td>
<td>1 1/2&quot;</td>
<td>200 ft</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
- Domestic Water: 7/8" and 1" are used for mixing zones, 1 1/2" is for the main hot water line from the boiler to the mixing zones.
- Recirculation Water: 3/4" and 1" are used for the return line, 1 1/2" for the main recirculation line.

### Ductwork Schedule

<table>
<thead>
<tr>
<th>Description</th>
<th>Type</th>
<th>Size</th>
<th>Length</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>HVAC Duct</td>
<td>Rectangular</td>
<td>12&quot; x 18&quot;</td>
<td>250 ft</td>
<td>3</td>
</tr>
<tr>
<td>HVAC Duct</td>
<td>Round</td>
<td>8&quot;</td>
<td>300 ft</td>
<td>2</td>
</tr>
<tr>
<td>HVAC Duct</td>
<td>Rectangular</td>
<td>6&quot; x 10&quot;</td>
<td>150 ft</td>
<td>1</td>
</tr>
<tr>
<td>HVAC Duct</td>
<td>Square</td>
<td>4&quot; x 4&quot;</td>
<td>200 ft</td>
<td>1</td>
</tr>
</tbody>
</table>

**Notes:**
- HVAC Duct: The sizes are chosen to accommodate different load capacities and flow rates.
- Rectangular ducts are used for supply, round for return, and square for small supply.

### Pipe Insulation Schedule - Plumbing

<table>
<thead>
<tr>
<th>Description</th>
<th>Type</th>
<th>Insulation</th>
<th>R-value</th>
<th>Length</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pipe Insulation</td>
<td>Domestic Water</td>
<td>R-11</td>
<td>0.3&quot;</td>
<td>250 ft</td>
<td>2</td>
</tr>
<tr>
<td>Pipe Insulation</td>
<td>Recirculation Water</td>
<td>R-11</td>
<td>0.3&quot;</td>
<td>300 ft</td>
<td>1</td>
</tr>
</tbody>
</table>

**Notes:**
- Insulation thickness is chosen to meet thermal requirements and minimize heat loss.

### VAV Terminal Schedule (Hot Water Heat)

<table>
<thead>
<tr>
<th>Description</th>
<th>Type</th>
<th>Model</th>
<th>Capacity</th>
<th>Power</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>VAV Terminal</td>
<td>Single</td>
<td>10 HP</td>
<td>100 kW</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>VAV Terminal</td>
<td>Dual</td>
<td>20 HP</td>
<td>200 kW</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
- VAV terminals are used to control the temperature and flow rate in the hot water system.
- Single and dual models are used for different load capacities.

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**Please consider the environment before printing this.**
### FAI COIL UNIT SCHEDULE

<table>
<thead>
<tr>
<th>Description</th>
<th>Module</th>
<th>Model</th>
<th>ADU</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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</tbody>
</table>

### HEAT RECOVERY UNIT SCHEDULE

<table>
<thead>
<tr>
<th>Description</th>
<th>Module</th>
<th>Model</th>
<th>ADU</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

**Notes:**
- All units are new.
- Projects are designed to operate at a 20% capacity reduction in winter.
- All units are designed to operate without intermittent supply or return headers.
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**Phase 2 Scope of Work**

(Not included in this Bid Package)

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**Heritage Middle School Renovations**

Liberty Public Schools
600 W. Kansas Street
Liberty, MO 64068

**Smith & Boucher Engineers**

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ME302

MECHANICAL AND ELECTRICAL - SCHEDULES
**PLUMBING FIXTURE SCHEDULE**

**FAN SCHEDULE**

**AIR CURTAIN SCHEDULE**

**AIR HANDLING UNIT SCHEDULE**

**MECHANICAL AND ELECTRICAL - SCHEDULES**

**GRC**

**GLYCOL FEEDER**

**GRILLE, REGISTER & DIFFUSER SCHEDULE**

**Notes:**
1. **DRAIN**: All drains shall be made of schedule 40 Schedule 80 PVC pipe. All drains shall be connected to the drainage system with Schedule 40 Schedule 80 PVC pipe and fittings.
2. **PLUMBING**: All plumbing shall be made of Schedule 40 Schedule 80 PVC pipe and fittings. All plumbing shall be connected to the drainage system with Schedule 40 Schedule 80 PVC pipe and fittings.
3. **MECHANICAL**: All mechanical systems shall be installed in accordance with the manufacturer's instructions. All mechanical systems shall be tested and balanced by a licensed mechanical contractor.
4. **ELECTRICAL**: All electrical systems shall be installed in accordance with the National Electrical Code (NFPA 70). All electrical systems shall be tested and inspected by a licensed electrical contractor.
5. **CONSTRUCTION**: All construction shall be performed in accordance with the plans and specifications. All construction shall be inspected by a licensed architect or engineer.
6. **FINISH**: All finishes shall be installed in accordance with the manufacturer's instructions. All finishes shall be tested and approved by a licensed finishing contractor.
7. **GENERAL**: All general work shall be performed in accordance with the American National Standard for the Safety of Work (ANSI A103.1). All general work shall be inspected by a licensed general contractor.
8. **WATER**: All water systems shall be tested and certified by a licensed water system contractor. All water systems shall be tested and certified by a licensed water system contractor.
9. **AIR**: All air systems shall be tested and balanced by a licensed air system contractor. All air systems shall be tested and balanced by a licensed air system contractor.
10. **SCEDULE**: All schedules shall be completed in accordance with the plans and specifications. All schedules shall be completed in accordance with the plans and specifications.
GENERAL NOTES:
REFER TO GENERAL NOTES ON M100A.

1. PLAN NOTES:
EXTEND AND CONNECT 1" CHWS, 1" CHWR, 1" HWS AND 1" HWR TO EACH AHU. PROVIDE ALL COMPONENTS FOR A COMPLETE AND FUNCTIONAL DESIGN.

EXTEND AND CONNECT 1" CHWS, 1" CHWR, 1" HWS AND 1" HWR TO EXISTING BOILER AND CHILLER PLANT PIPING. PROVIDE ALL COMPONENTS FOR A COMPLETE AND FUNCTIONAL DESIGN. FIELD VERIFY EXACT LOCATION OF EXISTING BOILER AND CHILLER PLANT.

EXTEND AND CONNECT 3" CHWS, 3" CHWR, 2" HWS AND 2" HWR TO EXISTING BOILER AND CHILLER PLANT PIPING. PROVIDE ALL COMPONENTS FOR A COMPLETE AND FUNCTIONAL DESIGN. FIELD VERIFY EXACT LOCATION OF EXISTING BOILER AND CHILLER PLANT.

3" CHWS, 3" CHWR, 2" HWS AND 2" HWR UP THRU CHASE.