ADDENDUM NO. 3

Issued: January 08, 2024
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 pages and the following attachments:

Project Manual:
No new or re-issued sections. See ‘PROJECT MANUAL REVISIONS’ section below.

Drawings:
Refer to Smith & Boucher, MEP Addendum No. 3

PROJECT MANUAL REVISIONS

A1 SECTION 123200 – MANUFACTURED WOOD CASEWORK
A1.1 DELETE Paragraph 1.5 B. in Section 123200 “Manufactured Wood Casework”.
A1.2 DELETE Paragraph 2.3 A. in Section 123200 “Manufactured Wood Casework”.

M1 REFERENCE ATTACHED MEP ADDENDUM NO. 3
E1 REFERENCE ATTACHED MEP ADDENDUM NO. 3
P1 REFERENCE ATTACHED MEP ADDENDUM NO. 3

DRAWINGS REVISIONS

A2 SHEET A681 – ROOM FINISH SCHED. (AREAS A + C) + MAT. FINISH LEGEND (NO NEW SHEET)
A2.1 REMOVE Media Center RR A001 from Room Finish Schedule. Room was removed from scope.

M2 REFERENCE ATTACHED MEP ADDENDUM NO. 3
E2 REFERENCE ATTACHED MEP ADDENDUM NO. 3
P2 REFERENCE ATTACHED MEP ADDENDUM NO. 3
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 097723 – FABRIC WRAPPED PANELS

- Custom Acoustical Products: Tackable Wall Panels: ¾” mineral board (USG Micore 300) are acceptable for Fabric Wrapped Panels.

SECTION 098433 – ACOUSTICAL WALL UNITS

- Custom Acoustical Products: Echo Stopper Acoustical Wall Panels: 2” 6PCF Fiberglass, hardened edges are acceptable for Fiberglass Acoustical Wall Units.

SECTION 105113 – METAL LOCKERS

- Scranton Products: DURALIFE HDPE Lockers are an acceptable substitution for Metal Lockers.
- Elite Storage Products, Inc.; Lockers MFG Heavy Duty Knock Down Metal Lockers are acceptable for Metal Lockers.

END OF ADDENDUM NO. 03
ADDENDUM NO. 3

Heritage Middle School Renovation
Smith & Boucher Project No. 2314708

01-05-2024

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.

SPECIFICATIONS
1. 262726 – WIRING DEVICES
   a. Add the following: 3.3.D. Tamper-resistant receptacles shall be installed in all locations as required by the electrical code.
2. 283111 - DIGITAL, ADRESSABLE FIRE-ALARM SYSTEM
   a. Delete the following: 2.6 Carbon Monoxide Detectors.

DRAWINGS
1. Sheet DM100A – DEMOLITION HVAC PLAN – LEVEL 0 – AREA A
   a. Revised plan note #4.
2. Sheet DM101B – DEMOLITION HVAC PLAN – LEVEL 1 – AREA B
   a. Revised demolition of existing 16" duct in locker corridor to be existing to remain.
3. Sheet DP102A – DEMOLITION PLUMBING PLAN – LEVEL 2 – AREA A
   a. Revised existing water main routing on mezzanine.
4. Sheet DP102B – DEMOLITION PLUMBING PLAN – LEVEL 2 – AREA B
   a. Revised existing water main routing on mezzanine.
5. Sheet M100A – HVAC PLAN – LEVEL 0 – AREA A
   a. Revised plan note #2.
6. Sheet M100C – HVAC PLAN – LEVEL 0 – AREA C
   a. Revised exhaust duct from EF-1.
7. Sheet M101B – HVAC PLAN – LEVEL 1 – AREA B
   a. Revised new duct in corridor to be existing to remain.
   b. Added Alternate #2 notes for future MEP scope.
8. Sheet M102A – HVAC PLAN – LEVEL 2 – AREA A
   a. Revised duct in commons area.
   a. Added Alternate #3 note.
10. Sheet M202B – HVAC PIPING PLAN – LEVEL 2 – AREA B
a. Added Alternate #3 note.

11. Sheet P102A – PLUMBING PLAN – LEVEL 2 – AREA A
   a. Revised existing water main routing on mezzanine.

12. Sheet P102B – PLUMBING PLAN – LEVEL 2 – AREA B
   a. Revised existing water main routing on mezzanine.

13. Sheet E101A – LIGHTING PLAN - LEVEL 1 – AREA A
   a. Added additional lighting scope.

14. Sheet E102A – LIGHTING PLAN – LEVEL 2 – AREA A
   a. Added additional lighting scope.

15. Sheet E200A – POWER PLAN - LEVEL 0 – AREA A
   a. Deleted UV lights at AHU’s.

16. Sheet E200B – POWER PLAN - LEVEL 0 – AREA B
   a. Added elevator modernization scope.

17. Sheet E200C – POWER PLAN - LEVEL 0 – AREA C
   a. Added elevator modernization scope.

18. Sheet E201A – POWER PLAN - LEVEL 1 – AREA A
   a. Added receptacle for TV.

   a. Added receptacle for TV.

20. Sheet E301 – ELECTRICAL SCHEDULES AND DETAIL
   a. Revise panel schedule L2S, L2N, L3S, L3N.

21. Sheet E302 – ELECTRICAL SCHEDULES AND DETAILS
   a. Revised light fixture schedule to correspond to lighting scope.
   b. Added equal fixtures.

22. Sheet LV100B – LOW VOLTAGE PLAN - LEVEL 0 – AREA B
   a. Added remote mic location with revised plan note.

23. Sheet LV101A – LOW VOLTAGE PLAN - LEVEL 1 – AREA A
   a. Added data for TV.
   b. Added data for clock.

   a. Added additional fire alarm devices at door.
   b. Added Alternate note.

25. Sheet LV102B – LOW VOLTAGE PLAN - LEVEL 2 – AREA B
   a. Added additional fire alarm devices at doors.
   b. Added data for TV.

Attachments
  • Sheets listed above.

END OF MEP ITEMS FOR ADDENDUM NO. 3
GENERAL DEMOLITION NOTES:

1. UNLESS OTHERWISE NOTED, SERVICES AND EQUIPMENT SHOWN WITH SOLID HALF TONE LINE WEIGHT ARE TO REMAIN IN PLACE. EXISTING CONDITIONS INDICATED ON THE DRAWINGS ARE TAKEN FROM THE BEST INFORMATION AVAILABLE AND FROM VISUAL SITE INSPECTION AND ARE NOT TO BE AS BUILT WORK. VERIFY ALL ACTUAL EXISTING CONDITIONS AT THE PROJECT SITE AND PERFORM WORK AS REQUIRED TO MEET THE EXISTING CONDITIONS AND THE EXTENT OF THE WORK AREA A FLOOR WHERE ANY SERVICES ARE REMOVED UNLESS NOTED OTHERWISE.

2. DISCONNECT AND REMOVE ALL DUCTWORK, PIPING, WIRING, AND CONDUIT THAT BECOMES UNNECESSARY AS A RESULT OF THE REMOVAL OF EQUIPMENT INDICATED TO BE REMOVED. WHERE MECHANICAL AND ELECTRICAL FIXTURES OR SYSTEMS, AND CIRCUITS. RELOCATE AND RECONNECT ANY MECHANICAL AND ELECTRICAL FACILITIES THAT MUST BE RELOCATED IN ORDER TO ACCOMPLISH THE REMODELING SPECIFICATIONS.

3. DISCONNECT AND REMOVE EXISTING AHU. FIELD VERIFY EXACT LOCATION.

4. DISCONNECT AND REMOVE EXISTING THERMOSTAT.

5. DISCONNECT AND REMOVE EXISTING EXHAUST FAN AND SALVAGE FOR INSTALLATION IN SAME LOCATION.

6. NO WORK IN THIS AREA

7. NO WORK IN THIS AREA

8. NO WORK IN THIS AREA

9. NO WORK IN THIS AREA

10. NO WORK IN THIS AREA

Please consider the environment before printing this.
GENERAL DEMOLITION NOTES:
REFER TO GENERAL NOTES ON DM100A.

1. EXISTING THERMOSTAT TO REMAIN.
2. EXISTING UNIT HEATER TO REMAIN.

Hollis + Miller Architects
Structural Engineer
816.531.4144 phone
Mech/Elect/Plumb Engineer
0001787
Olathe, KS 66061
913.345.2127 phone
785.266.5696 phone

Heritage Middle School Renovations
600 W. Kansas Street
Liberty, MO 64068

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Please consider the environment before printing this.
GENERAL DEMOLITION NOTES:
REFER TO GENERAL DEMOLITION NOTES ON DP001A.

PLAN DEMOLITION NOTES:
EXISTING STORM LINE TO REMAIN. FIELD VERIFY EXACT LOCATION.
EXISTING PLUMBING RISERS TO REMAIN. FIELD VERIFY EXACT LOCATION.
DEMO PORTION OF EXISTING WATER LINE.
GENERAL DEMOLITION NOTES:
REFER TO GENERAL DEMOLITION NOTES ON DP001A.

PLAN NOTES:
DISCONNECT AND REMOVE EXISTING SINK AND ALL ASSOCIATED DOMESTIC COLD WATER PIPING, DOMESTIC HOT WATER PIPING, AND SANITARY WASTE AND VENT PIPING FOR COMPLETE DEMOLITION OF FIXTURE AND ASSOCIATED PIPING. DISCONNECT AND REMOVE EXISTING DOMESTIC COLD WATER PIPING AND DOMESTIC HOT WATER PIPING TO THE LOCATION OF THE BRANCH TAKE-OFF FOR THE FIXTURE. CAP EXISTING DOMESTIC COLD WATER PIPING AND DOMESTIC HOT WATER PIPING TO REMAIN AT THIS LOCATION. DISCONNECT AND REMOVE EXISTING SANITARY WASTE AND VENT PIPING TO THE LOCATION OF THE TAKE-OFF FOR THE FIXTURE. CAP EXISTING SANITARY WASTE AND VENT PIPING AT THIS LOCATION. DISCONNECT AND REMOVE ALL EXISTING FIXTURE SUPPORTS AND MOUNTING HARDWARE.

DISCONNECT AND REMOVE EXISTING DRINKING FOUNTAIN. PREPARE PIPING FOR INSTALLATION OF NEW DRINKING FOUNTAIN IN THE SAME LOCATION.

EXISTING PLUMBING PIPING TO REMAIN. FIELD VERIFY EXACT LOCATION.

EXISTING JANITOR SINK TO REMAIN.

DEMO PORTION OF EXISTING WATER LINE.
1. Convey scope and is arranged for drawing clarity. It is not to be taken as an as-built condition. The system installation shall be coordinated with structure, complete and working system.

2. And does not include all offsets, drops, and rises. Carefully coordinate duct and pipe routing with structure as well as all other trades to maintain equipment clearances, equipment accessibility, desired ceiling heights, and aesthetics. Coordinate all duct penetrations with structural prior to cutting floors or bearing walls.

3. Avoid routing any piping through it rooms or electric rooms. In the event it is absolutely necessary, coordinate the exact location such that it is not directly above any panels or equipment.

4. Provide firestopping at penetrations of all rated walls. Refer to code plans for locations of rated walls.

5. Furnish all exposed ductwork in finished spaces with paintable finish.

6. Duct sizes shown are sheet metal dimensions. Where duct liner is required, duct sizes are not required to be increased to account for liner.

7. Install salvage exhaust fan in same location as existing.

8. Provide firestop at return air transfers where walls extend to deck for return air path. Size for 800 FPM.

9. Provide “L” shaped return air transfer boots where walls extend to deck for return air path.

10. Provide 100% construction documents. Field verify exact location. Provide all components for a complete and functional design.

11. Provide glycol feeder. Tie into existing hot water hydronic system. Refer to glycol feeder system details. Field verify exact location. Provide all components for a complete and functional design.

12. Provide glycol feeder. Tie into existing chilled water hydronic system. Refer to glycol feeder system details. Field verify exact location. Provide all components for a complete and functional design.

13. Provide firestop at return air transfers where walls extend to deck for return air path. Size for 800 FPM.

14. Provide “L” shaped return air transfer boots where walls extend to deck for return air path.

15. Provide 100% construction documents. Field verify exact location. Provide all components for a complete and functional design.

16. Provide glycol feeder. Tie into existing hot water hydronic system. Refer to glycol feeder system details. Field verify exact location. Provide all components for a complete and functional design.

17. Provide glycol feeder. Tie into existing chilled water hydronic system. Refer to glycol feeder system details. Field verify exact location. Provide all components for a complete and functional design.

18. Provide firestop at return air transfers where walls extend to deck for return air path. Size for 800 FPM.

19. Provide “L” shaped return air transfer boots where walls extend to deck for return air path.

20. Provide 100% construction documents. Field verify exact location. Provide all components for a complete and functional design.


22. Provide glycol feeder. Tie into existing chilled water hydronic system. Refer to glycol feeder system details. Field verify exact location. Provide all components for a complete and functional design.

23. Provide firestop at return air transfers where walls extend to deck for return air path. Size for 800 FPM.

24. Provide “L” shaped return air transfer boots where walls extend to deck for return air path.

25. Provide 100% construction documents. Field verify exact location. Provide all components for a complete and functional design.

26. Provide glycol feeder. Tie into existing hot water hydronic system. Refer to glycol feeder system details. Field verify exact location. Provide all components for a complete and functional design.

27. Provide glycol feeder. Tie into existing chilled water hydronic system. Refer to glycol feeder system details. Field verify exact location. Provide all components for a complete and functional design.
NOTES:
1. REFER TO GENERAL NOTES ON M100A.

PLAN NOTES:
INSTALL NEW DIFFUSERS/GRILLES IN THE SAME LOCATION AS THE EXISTING UNLESS OTHERWISE NOTED. BALANCE DIFFUSERS/GRILLES TO THE EXISTING CFM. FIELD VERIFY EXACT LOCATION AND SIZE, PROVIDE ALL COMPONENTS FOR A COMPLETE AND FUNCTIONAL DESIGN.

BALANCE DIFFUSERS TO EXISTING CFM
TERMINATE 8"Ø EXHAUST DUCT ABOVE CEILING.

# Description Date

2 ADDENDUM #2 01.03.2024
3 ADDENDUM #3 01.05.2024
NO WORK IN THIS AREA.
SHEET KEYNOTE LEGEND

GENERAL NOTES:
1. REFER TO GENERAL NOTES ON SHEET.

PLAN NOTES:
1. 48"X18" SA AND 80"X18" RA UP TO ROOT TOP UNIT. TRANSITION AS REQUIRED.
2. 36"X16" SA AND 60"X18" RA UP TO ROOT TOP UNIT. TRANSITION AREA A AS REQUIRED.
3. 32"X10" SA AND 42"X14" RA THRU CHASE.
4. PROVIDE CONTINUOUS LENGTH LINEAR DIFFUSER WITH SUPPLY RETURN AIR DUCT OPEN TO PLENUM.
5. 09 30"X10" 160 CFM 24"X12" T/C 350 CFM VAV - 5-11
6. 16"X14" 300 CFM 24"X12" SD 52"X14" A509 300 CFM 40"X24" (TYP.3)
7. 16"X10" 245 CFM 24"X12" SD 3-4 (TYP.8)
8. 12"X10" 300 CFM 24"X12" SD 1-2 (TYP.4)
9. 24"X12" 4800 2410 SD-4 (TYP.3)
10. 40"X14" 300 CFM 24"X12" SD 3-4 (TYP.3)
11. 24"X14" 400 CFM 2410 T/C SPED
12. 4808 24"X12" A504 2410 SD-4 (TYP.4)
13. 42"X10" 300 CFM 24"X12" SD 1-2 (TYP.6)
14. 12"X12" 26"ø 18"ø 12"X10" T/C 16"X14" 600 CFM 2410 SD-4 (TYP.3)
15. 12"X12" 26"ø 18"ø 12"X10" T/C 16"X14" 600 CFM 2410 SD-4 (TYP.3)
16. 42"X10" 300 CFM 24"X12" SD 1-2 (TYP.6)
17. 12"X12" 26"ø 18"ø 12"X10" T/C 16"X14" 600 CFM 2410 SD-4 (TYP.3)
18. 12"X12" 26"ø 18"ø 12"X10" T/C 16"X14" 600 CFM 2410 SD-4 (TYP.3)

REVISIONS:
1. 16"X14" 300 CFM 24"X12" SD 1-2 (TYP.4)
2. 3 ADDENDUM #3 01.05.2024
3. 16"X14" 300 CFM 24"X12" SD 1-2 (TYP.4)
4. 16"X14" 300 CFM 24"X12" SD 1-2 (TYP.4)
5. 16"X14" 300 CFM 24"X12" SD 1-2 (TYP.4)

HVAC PLAN - LEVEL 2 - AREA A

Please consider the environment before printing this.
General Notes:

Refer to General Notes on P001A.

1. Plan Notes:

1/2" CW, 1/2" HW AND 1-1/2" VENT DOWN TO SINK.

Extend and connect 3/4" CW, 3/4" HW AND 2" VENT TO EXISTING DOMESTIC COLD WATER, DOMESTIC HOT WATER AND VENT. Field verify exact location.

Provide all components for a complete and functional design.

1/2" CW AND 1-1/2" VENT DOWN TO DRINKING FOUNTAIN.

Extend and connect 1/2" CW AND 1-1/2" VENT TO EXISTING CW AND VENT MAINS. Field verify exact location. Provide all components for a complete and functional design.

3/4" CW, 3/4" HW, 1-1/2" VENT DOWN TO JANITOR SINK.

Extend and connect 3/4" CW, 3/4" HW AND 1-1/2" VENT EXISTING CW, HW, VENT MAINS. Field verify exact location. Provide all components for a complete and functional design.

3/4" CW UP TO ROOF HYDRANT.

Extend and connect 3/4" CW TO EXISTING CW MAIN. Field verify exact location. Provide all components for a complete and functional design.

Extend and connect 2" CW TO EXISTING CW. Field verify exact location and size. Match the existing pipe size. Provide all components for a complete and functional design.

Route new CW main up in structure. Offset below beams as required.
GENERAL NOTES:

1. PLAN NOTES:
   - 1/2" CW AND 1/2" HW DOWN TO SINK.
   - 3" WASTE STACK VENT UP/DOWN THRU FLOORS.
   - EXTEND AND CONNECT 3/4" CW AND 3/4" HW TO EXISTING DOMESTIC COLD WATER AND DOMESTIC HOT WATER. FIELD VERIFY EXACT LOCATION. PROVIDE ALL COMPONENTS FOR A COMPLETE AND FUNCTIONAL DESIGN.
   - INSTALL NEW DRINKING FOUNTAIN IN SAME LOCATION AS DEMOLISHED DRINKING FOUNTAIN. EXTEND EXISTING PLUMBING PIPING TO NEW DRINKING FOUNTAIN AS REQUIRED.
   - CONNECT 2" CW TO EXISTING CW. FIELD VERIFY EXACT LOCATION AND SIZE. MATCH THE EXISTING PIPE SIZE IF DIFFERENT THAN 2"
   - ROUTE NEW CW MAIN UP IN STRUCTURE. OFFSET BELOW BEAMS AS REQUIRED.

2. PROJECT NORTH TRUE NORTH

3. SHEET KEYNOTE LEGEND

   1. ADDENDUM #3 01.05.2024

   2. = Phase 2 Scope of Work (Not included in this Bid Package)

   3. = Phase 2 Scope of Work (Not included in this Bid Package)

   4. = Phase 2 Scope of Work (Not included in this Bid Package)
1. REFER TO SHEET E200A FOR TYPICAL ELECTRICAL RACEWAY GENERAL NOTES APPLICABLE TO THE ENTIRE PROJECT.

1. REFER TO SHEET E100A FOR TYPICAL LIGHTING GENERAL NOTES:

- FIELD DETERMINE EXISTING RESTROOM LIGHTING VOLTAGE AND EXISTING CIRCUITING. IF REQUIRED, MAINTAIN CIRCUIT CONTINUITY AND CIRCUIT WITH ADJACENT CLASSROOM REMAIN WITHIN RESTROOM.

- AREA A
  - COORDINATE WIRING AND INSTALLATION OF EXIT SIGN WITH STORE FRONT PROVIDER. CONDUIT AND WIRING SHALL BE CONCEALED.
  - LEX LED TAPE LIGHT CONCEALED BEHIND TRIM ALONG ARCHITECTURAL DETAILS. CIRCUIT/CONTROL WITH

- (Not included in this Bid Package)

- Smith & Boucher Engineers
  - Mech/Elect/Plumb Engineer
  - State Certificate of Authority #EGC-25618
  - 25618 W 103rd St
  - Olathe, KS 66061
  - 816.531.4144 phone
  - 816.531.8572 fax

- MHA Food Facility Consultants, LLC
  - Food Facility Planner
  - 7840 Conser Street
  - 785.266.5696 phone
  - x122

- CONTROCTOR TO ONE FOR ONE REPLACE OF THE FLOURESCENT LIGHT FIXTURES DETERMINE EXACT LOCATION OF FIXTURES.

- (Phase 2 Scope of Work)
  - (Not included in this Bid Package)
R

TYPICAL ELECTRICAL RACEWAY GENERAL NOTES:

REFER TO SHEET E200A FOR TYPICAL ELECTRICAL RACEWAY GENERAL NOTES APPLICABLE TO THE ENTIRE PROJECT.

TYPICAL LIGHTING GENERAL NOTES:

1. ADJACENT CORRIDOR. REFER TO SHEET E102B.

2. DECORATIVE PENDANT WITH ARCHITECTURAL PLANS, AND AREA A PROVIDE COORDINATION DRAWING TO A/E FOR REVIEW PRIOR TO ANY CONDUIT ROUTING IN COMMONS. DRAWING SHALL IDENTIFY CONDUIT, JUNCTION BOXES, AND DEVICES ASSOCIATED WITH LIGHTING, LIGHTING CONTROLS, POWER, VERTICAL SIDES AND HORIZONTAL TOP. REFER TO ARCHITECTURAL DETAILS. CIRCUIT/CONTROL WITH CONTINUOUS RECESSED LINEAR PERIMETER FIXTURES, BOTTOM, FOR A DIRECT LIGHTING APPLICATION. INSTALL ONE APPLICATION. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION.

Hollis + Miller Architects
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State Certificate of Authority #000442
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Mezzanine, 3rd Floor
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Liberty, MO 64068

Project number 2314708

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= Phase 2 Scope of Work
(Not included in this Bid Package)

Please consider the environment before printing this.
PLAN NOTES:

SHEET KEYNOTE LEGEND

1. UTILIZE ELECTRICAL CIRCUIT FROM DEMO'ED AIR HANDLING UNIT TO SERVE NEW UNIT. REFER TO AIR HANDLING UNIT SCHEDULE FOR ADDITIONAL INFORMATION. FIELD DETERMINE TYPICAL ELECTRICAL RACEWAY.

2. THE FOLLOWING APPLIES TO ALL ELECTRICAL AND LOW EXISTING IN RESTROOM AS PART OF ARCHITECTURAL FINISHES UPDATES. REFER TO ARCHITECTURAL FLOOR PLANS AND REFLECTED CEILING PLANS FOR EXACT MOUNTING LOCATIONS OF ALL WALL MOUNTED ELECTRICAL DEVICES.

3. BUT NOT LIMITED TO LOBBIES, CONFERENCE ROOMS, BREAK ROOMS, OPEN OFFICES, LOCKER ROOMS, ETC.) ALL LOW AREA SHALL EXTEND FROM THE STUB OUT ABOVE THE CEILING ELEVATION BACK TO NEAREST ACCESSIBLE CEILING LOCATION WITHOUT CEILINGS (INCLUDING BUT NOT LIMITED TO MECHANICAL ROOMS, ELECTRICAL ROOMS, TELECOM ROOMS, MECHANICAL AND PLUMBING EQUIPMENT CIRCUITING REQUIRED SHALL BE FULLY COORDINATED AMONGST ALL CONTRACTOR(S)/TRADES PRIOR TO INSTALLATION.

4. THE LOW VOLTAGE CABLE TRAY SYSTEM AND EQUIPMENT WITHIN DATA ROOMS. REFER TO LOW VOLTAGE DETAILS FOR PATHWAYS TO BE INSTALLED FOR ANY CABLING WITHIN WALLS.

5. WHERE ANY DEVICE JUNCTION BOXES ARE RECESSED WITHIN OPPOSITE SIDES OF A FIRE RATED WALL, AND ARE WITHIN 24" OF FIRE RATED WALLS, FLOORS AND CEILINGS USING UL FIRE ALARM INSTALL AN INTUMESCENT MOLDABLE FIRE STOP PUTTY PAD OF CABLING TO BE ROUTED THROUGH IT.

6. FIRE RATED WALLS, FLOORS AND CEILINGS USING UL AND QUANTITY REQUIRED WITH HVAC PLANS/CONTRACTOR. NO LOOSE CABLING ALLOWED IN WALL CAVITIES. CONDUIT PATHWAYS TO BE INSTALLED FOR ANY CABLING WITHIN WALLS.

7. LABEL ALL RECEPTACLES WITH PANEL AND CIRCUIT NUMBER ON SURFACE IT IS MOUNTED TO.

8. CONDUCTORS ARE #12, AND CONDUIT IS 1/2" UNLESS NOTED AFFIXED TO THIS SHEET APPLIES ONLY TO THE MATERIAL AND ITEMS SHOWN ON THIS SHEET. ALL DRAWINGS, INSTRUMENTS OR OTHER DOCUMENTS NOT EXHIBITING THIS SEAL SHALL NOT BE CONSIDERED PREPARED BY THIS ARCHITECT, ENGINEER, OR MANDATORY.

9. PROVIDE (1) 3/4" CONDUIT FROM ALL THERMOSTAT / DISTRIBUTION PANEL DIRECTLY TO ASSOCIATED HVAC EQUIPMENT. REFER TO MECHANICAL PLANS FOR LOCATIONS.

10. PROVIDE ADDITIONAL 120V CIRCUITS FOR THE BUILDING AUTOMATION SYSTEM, ABOVE AND BEYOND THOSE ALREADY AUTOMATION SYSTEM CONTROLS CONTRACTOR.

11. INSTALL A TOGGLE SWITCH DISCONNECT AT EACH DAMPER LOCATION.

12. LABEL ALL EMERGENCY JUNCTION BOXES AND RACEWAY MUST BE MARKED WITH PERMANENT RED "EMERGENCY" STICKERS TO OF CABLING TO BE ROUTED THROUGH IT.

13. DOCUMENTS 100% CONSTRUCTION REQUIRED SHALL BE FULLY COORDINATED AMONGST ALL CONTRACTOR(S)/TRADES PRIOR TO INSTALLATION.

14. INSTALL A TOGGLE SWITCH DISCONNECT AT EACH DAMPER LOCATION.

15. PROVIDE ADDITIONAL 120V CIRCUITS FOR THE BUILDING AUTOMATION SYSTEM, ABOVE AND BEYOND THOSE ALREADY AUTOMATION SYSTEM CONTROLS CONTRACTOR.

16. PROVIDE (1) 3/4" CONDUIT FROM ALL THERMOSTAT / DISTRIBUTION PANEL DIRECTLY TO ASSOCIATED HVAC EQUIPMENT. REFER TO MECHANICAL PLANS FOR LOCATIONS.
1. GENERAL NOTES APPLICABLE TO THE ENTIRE PROJECT.

2. COORDINATE WITH ELEVATOR MANUFACTURER / CONTRACTOR ALL ELECTRICAL AND FIRE ALARM REQUIREMENTS AND UPGRADE FOR THE MODERNIZATION TO THE EXISTING ELEVATOR AS SHOWN ON THIS PLAN. FIELD DETERMINE EXISTING CONDITIONS.

3. PROVIDE NEW RECEPTACLE AND FACEPLATE AT EXISTING DEVICE LOCATION. MAINTAIN EXISTING CIRCUIT CONTINUITY TO DEVICE.

4. ALTERNATE BID SHALL PROVIDE ALL WORK INDICATED WITHIN EXISTING ELEVATOR MACHINE ROOM: PROVIDE ELECTRICAL POWER. UTILIZE EXISTING CIRCUIT AND ELEVATOR CONTROLLER DISCONNECT. PROVIDE NEW FUSES FOR LIGHTS. COORDINATE FIRE ALARM INTERLOCK WITH FIRE ALARM CONTRACTOR. FIELD DETERMINE EXACT REQUIREMENTS, INCLUDING LOCATION, TYPE, AND QUANTITIES.

5. ALTERNATE BID SHALL PROVIDE NEW RECEPTACLES AND FACEPLATES AT EXISTING DEVICE LOCATIONS. MAINTAIN EXACT REQUIREMENTS, INCLUDING LOCATION, TYPE, AND QUANTITIES.

6. REFER TO SHEET E200A FOR TYPICAL POWER GENERAL NOTES APPLICABLE TO THE ENTIRE PROJECT.

7. PROVIDE RECEPTACLE FOR WASH FOUNTAIN. COORDINATE LOCATION WITH PLUMBING CONTRACTOR. CIRCUIT TO PANE INDICATED. PROVIDE 20A - 1P CIRCUIT BREAKER AS REQUIRED. FIELD VERIFY.

8. UTILIZE EXISTING CIRCUIT FOR EXISTING ELEVATOR SHAFT: EXISTING SERVICE RECEPTACLE AND SUMP PUMP RECEPTACLE, SHOWN FOR REFERENCE.

9. EXISTING 120 V PANEL TRANSFORMER TR.

10. EXISTING 120 V PANEL CABINET.

11. SPARE PANEL DISTRIBUTION PANEL DP2

12. DISTRIBUTION PANEL DP2

13. ELEVATOR DISCONNECT

14. ELEVATOR CABINET

15. ELEVATOR SPARE PANEL

16. ELEVATOR TRANSFORMER TR

17. ELEVATOR CABINET

18. DISTRIBUTION PANEL DP2

19. ELEVATOR SPARE PANEL

20. ELEVATOR TRANSFORMER TR

Please consider the environment before printing this.

*Phase 2 Scope of Work (Not included in this Bid Package)*
1. GENERAL NOTES APPLICABLE TO THE ENTIRE PROJECT.

TYPICAL POWER GENERAL NOTES:

AREA C

REFER TO SHEET E200A FOR TYPICAL POWER GENERAL NOTES APPLICABLE TO THE ENTIRE PROJECT.

1. APPLICABLE TO THE ENTIRE PROJECT.

Q

1. LOCATION OF DEVICES, WITH THE FOOD SERVICE EQUIPMENT (FSE) PLANS AND VENDOR.

2. UTILIZE ALL AVAILABLE CIRCUIT BREAKERS IN EXISTING 2 GFI PANELS TO SERVE NEW DEVICES SHOWN. CIRCUIT ALL NEW DEVICES TO PANELS INDICATED. UNLESS NOTED 20A 1P CB. PROVIDE ADDITIONAL BREAKERS AS REQUIRED.

3. PROVIDE ALL CONDUIT, BOXES, AND CABLING FOR ASSOCIATED DOOR CONTROLS AND SAFETIES. COORDINATE EXACT LOCATION OF POLE WITH ARCHITECT. POWER POLE COLOR AS SELECTED BY ARCHITECT. POWER POLE EQUAL TO LEGRAND TELEPOWER RACEWAY INSTALLATION. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHT AND LOCATION.

4. PROVIDE REQUIRED POWER TO OVERHEAD COILING DOOR. PROVIDE POWER POLE WITH DEVICES INDICATED, IN CONJUNCTION WITH SERVICE RECEPTACLE AND SUMP PUMP RECEPTACLE, SHOWN FOR REFERENCE.

5. PROVIDE 20A/2P BREAKER IN NEW CIRCUIT TO PANEL INDICATED. PROVIDE 30A/2P CB IN AVAILABLE SPACE AS A RESULT OF DEMOLITION WORK. 2# 8,#10G., 3/4" C. FIELD DETERMINE EXACT CONDITIONS.

6. PROVIDE ALL CONDUIT, BOXES, AND CABLING FOR CONNECTIONS TO ELEVATOR CONTROLLER, CAB LIGHTS AND PROVIDE NEW FUSES FOR ELEVATOR CONTROLLER, SIZED TO MEET CONTROLLER ELECTRICAL REQUIREMENTS.

7. EXISTING ELEVATOR MACHINE ROOM: PROVIDE ELECTRICAL CONNECTIONS TO ELEVATOR CONTROLLER, CAB LIGHTS AND SUMP PUMP RECEPTACLE, SHOWN FOR REFERENCE. FIELD DETERMINE EXACT CONDITIONS.

8. EXISTING ELEVATOR SHAFT: EXISTING SERVICE RECEPTACLE AND SUMP PUMP RECEPTACLE, SHOWN FOR REFERENCE. FIELD DETERMINE EXACT REQUIREMENTS.

9. OFFICE/STORAGE UTILIZE ALL AVAILABLE CIRCUIT BREAKERS IN EXISTING 2 GFI PANELS TO SERVE NEW DEVICES SHOWN. CIRCUIT ALL NEW DEVICES TO PANELS INDICATED. UNLESS NOTED 20A 1P CB. PROVIDE ADDITIONAL BREAKERS AS REQUIRED.

10. PROVIDE 20A/2P BREAKER IN NEW CIRCUIT TO PANEL INDICATED. PROVIDE 30A/2P CB IN AVAILABLE SPACE AS A RESULT OF DEMOLITION WORK. 2# 8,#10G., 3/4" C. FIELD DETERMINE EXACT CONDITIONS.

11. PROVIDE ALL CONDUIT, BOXES, AND CABLING FOR ASSOCIATED DOOR CONTROLS AND SAFETIES. COORDINATE EXACT LOCATION OF POLE WITH ARCHITECT. POWER POLE COLOR AS SELECTED BY ARCHITECT. POWER POLE EQUAL TO LEGRAND TELEPOWER RACEWAY INSTALLATION. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHT AND LOCATION.

12. PROVIDE REQUIRED POWER TO OVERHEAD COILING DOOR. PROVIDE POWER POLE WITH DEVICES INDICATED, IN CONJUNCTION WITH SERVICE RECEPTACLE AND SUMP PUMP RECEPTACLE, SHOWN FOR REFERENCE.

13. PROVIDE ELECTRICAL CONNECTIONS TO ELEVATOR CONTROLLER, CAB LIGHTS AND PROVIDE NEW FUSES FOR ELEVATOR CONTROLLER, SIZED TO MEET CONTROLLER ELECTRICAL REQUIREMENTS.

14. EXISTING ELEVATOR MACHINE ROOM: PROVIDE ELECTRICAL CONNECTIONS TO ELEVATOR CONTROLLER, CAB LIGHTS AND SUMP PUMP RECEPTACLE, SHOWN FOR REFERENCE. FIELD DETERMINE EXACT CONDITIONS.

15. EXISTING ELEVATOR SHAFT: EXISTING SERVICE RECEPTACLE AND SUMP PUMP RECEPTACLE, SHOWN FOR REFERENCE. FIELD DETERMINE EXACT REQUIREMENTS.

16. PROVIDE 20A/2P BREAKER IN NEW CIRCUIT TO PANEL INDICATED. PROVIDE 30A/2P CB IN AVAILABLE SPACE AS A RESULT OF DEMOLITION WORK. 2# 8,#10G., 3/4" C. FIELD DETERMINE EXACT CONDITIONS.
Classroom 6

1 L2N-7
6
12
3 L2N-13
5
13
14
11
3

Corridor

10
9

12 3 4 5 8 6 7 9 10
13 11 12 14 15
16 17

SHEET KEYNOTE LEGEND

R

TYPICAL ELECTRICAL RACEWAY

GENERAL NOTES:

REFER TO SHEET E200A FOR TYPICAL ELECTRICAL RACEWAY

GENERAL NOTES APPLICABLE TO THE ENTIRE PROJECT.

TYPICAL POWER GENERAL NOTES:

REFER TO SHEET E200A FOR TYPICAL POWER GENERAL NOTES

APPLICABLE TO THE ENTIRE PROJECT.

PLAN NOTES:

AREA A

AREA B

AREA C

FLUSH MOUNT CEILING RECEPTACLE FOR PROJECTOR.

COORDINATE EXACT LOCATION WITH OWNER. PROVIDE 10FT EXCESS MC CABLING COILED IN CEILING TO ALLOW RELOCATING RECEPTACLE WITHIN 8 FT RADIUS FROM CENTER OF ROOM.

POWER FOR TV. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHT AND LOCATION.

RECEPTACLE FOR RECESSED CORD REEL. COORDINATE LOCATION WITH OTHER TRADES. INSTALL PER MANUFACTURER'S INSTRUCTIONS. REFER TO RECESSED CEILING MOUNTED CORD REEL AND ENCLOSURE DETAIL, SHEET E304.

TIE EXISTING ROOM 120V POWER SERVING RECEPTACES TO 4 CIRCUIT INDICATED. FIELD DETERMINE EXACT REQUIREMENTS.

MODIFY EXISTING SURFACE MOUNT RACEWAY, ASSOCIATED INSTRUCTIONS. REFER TO RECESSED CEILING MOUNTED CORD REEL AND ENCLOSURE DETAIL, SHEET E304.

ACCOMMODATE REMOVAL OF SOUTH WALL, AND ADDITION OF RECEPTACES TO CIRCUIT INDICATED. FIELD DETERMINE EXACT REQUIREMENTS.

Smith & Boucher Engineers

State Certificate of Authority #EGC-0001787

25618 W 103rd St

Olathe, KS 66061

913.345.2127 phone

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Bob D. Campbell

Structural Engineer

Hollis + Miller Architects

Missouri State Certificate of Authority

Architecture # 0000161

Structure # 2006031333

100% CONSTRUCTION DOCUMENTS

= Phase 2 Scope of Work

(Not included in this Bid Package)

1. REFER TO SHEET E200A FOR TYPICAL ELECTRICAL RACEWAY

GENERAL NOTES APPLICABLE TO THE ENTIRE PROJECT.

2. REFER TO SHEET E200A FOR TYPICAL POWER GENERAL NOTES APPLICABLE TO THE ENTIRE PROJECT.

3. REFER TO SHEET E200A FOR TYPICAL ELECTRICAL RACEWAY

GENERAL NOTES APPLICABLE TO THE ENTIRE PROJECT.

4. REFER TO SHEET E200A FOR TYPICAL ELECTRICAL RACEWAY

GENERAL NOTES APPLICABLE TO THE ENTIRE PROJECT.

Girls RR

C241

Theater Storage
A513

Collaboration
A514

Auditorium

Mezzanine

x213

A512

Custodial

Storage

x

Speech / Debate /
Broadcasting

L2S-19

L2N-1

65"65"

FCU

- 2

- 09

1L2S-13

2L2N-11

65"

C212a

1

L2S-3

L2N-5

1

L2S-1

L2S-11

L2N

L2S

PANEL

PANEL

FCU

- 2

- 2

- 6

FCU

- 2

- 2

- 3

FCU

- 2

- 2

- 6

CLIMBER"

3

65"

RTU

8

1L2S-13

2L2N-11

65"

B202

B211

Storage

B203

Tinker Flex

B206

GFI

1

L2N-9

L2S-17

L2N-3

B212A

L2S-13

L2N-3

B212B
### LIGHT FIXTURE SCHEDULE

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<th>DESCRIPTION</th>
<th>QUANTITY</th>
<th>VOLTAGE</th>
<th>AMPS</th>
<th>WATTS</th>
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</thead>
<tbody>
<tr>
<td>Field Replaced Low Bay (240V, 3-Phase)</td>
<td>1</td>
<td>240V</td>
<td>10</td>
<td>60</td>
</tr>
<tr>
<td>Field Replaced High Bay (277V, 3-Phase)</td>
<td>2</td>
<td>277V</td>
<td>20</td>
<td>120</td>
</tr>
<tr>
<td>Field Replaced Low Bay (240V, 1-Phase)</td>
<td>3</td>
<td>240V</td>
<td>5</td>
<td>30</td>
</tr>
<tr>
<td>Field Replaced High Bay (277V, 1-Phase)</td>
<td>4</td>
<td>277V</td>
<td>10</td>
<td>60</td>
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### REPLACEMENT LIGHT FIXTURE SCHEDULE

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<tr>
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<td>3</td>
<td>240V</td>
<td>5</td>
<td>30</td>
</tr>
<tr>
<td>Field Replaced High Bay (277V, 1-Phase)</td>
<td>4</td>
<td>277V</td>
<td>10</td>
<td>60</td>
</tr>
</tbody>
</table>

### LOW VOLTAGE OCCUPANCY SENSOR WIRING DIAGRAM

- **DIMMABLE ZONE SWITCHES:**
  - OCCUPANCY SENSOR(S): 1-4
  - CONTROL METHOD: MANUAL ON - OCCUPANCY OFF - MANUAL ON/OFF

- **CONTRIBUTIBILITY REPORT:**
  - AUTOMATICALLY RAISE/LOWER LIGHTING OUTPUT OF EACH LIGHTING ZONE, EITHER FULL OR PARTIALLY, WITHIN EACH DAYLIGHT ZONE(S) NOTED ON FLOOR PLANS.

- **ZONE QUANTITIES:**
  - FOR EACH SWITCH LOCATION DENOTED ON FLOOR PLANS.
  - TYPE, LOCATION, AND QUANTITY NOTED ON PLANS.

### FOOTNOTES

**NOTE 2:**  **ALL WALL MOUNTED LIGHTING CONTROLS MUST HAVE MATCHING FINISHES TO THOSE LISTED IN SPECIFICATION SECTION 262726 - WIRING DEVICES.**

**NOTE 3:**  **ALL WALL MOUNTED LIGHTING SYSTEM TO BE DIMMABLE.**

**NOTE 4:**  **PROVIDE A DIGITAL LIGHTING CONTROL SYSTEM FROM A MANUFACTURER LISTED IN SPECIFICATION SECTION 260923 - LIGHTING CONTROL DEVICES.**

- **NOTE 5:**  **CONTRACTOR TO MODIFY OCCUPANCY SENSOR LOCATIONS, AND/OR INCREASE QUANTITIES, AS REQUIRED BASED ON COVERAGE CAPABILITIES OF SUBMITTED PRODUCTS.**

- **NOTE 6:**  **CONTRACTOR MUST COORDINATE WITH LIGHT FIXTURE SCHEDULE, AND MOST IMPORTANTLY THE LIGHT FIXTURE SUBMITTAL, TO VERIFY DIMMING TYPE NEEDED FOR EACH RELAY/CONTROLLER.**

- **NOTE 8:**  **CONTRACTOR TO MODIFY PHOTOCELL LOCATIONS AS REQUIRED BASED ON SUBMITTED PRODUCTS.**
1. REFER TO SHEET E200A FOR TYPICAL ELECTRICAL RACEWAY GENERAL NOTES APPLICABLE TO THE ENTIRE PROJECT.

2. REFER TO SHEET LV100A FOR TYPICAL LOW VOLTAGE GENERAL NOTES APPLICABLE TO THE ENTIRE PROJECT.

REVISIONS:

# Description Date
2 ADDENDUM #2 01.03.2024
3 ADDENDUM #3 01.05.2024

- Phase 2 Scope of Work
(Not included in this Bid Package)
TYPICAL ELECTRICAL RACEWAY GENERAL NOTES:
1. REFER TO SHEET E200A FOR TYPICAL ELECTRICAL RACEWAY GENERAL NOTES APPLICABLE TO THE ENTIRE PROJECT.

TYPICAL FIRE ALARM GENERAL NOTES:
REFER TO SHEET LV100A FOR TYPICAL FIRE ALARM GENERAL NOTES APPLICABLE TO THE ENTIRE PROJECT.

TYPICAL LOW VOLTAGE GENERAL NOTES:
1. REFER TO SHEET LV100A FOR TYPICAL LOW VOLTAGE GENERAL NOTES APPLICABLE TO THE ENTIRE PROJECT.

PLAN NOTES:
SMOKE DETECTOR FOR ELEVATOR RECALL. MAKE CONNECTIONS TO ELEVATOR CONTROLLER AS REQUIRED.

DUCT MOUNTED SMOKE DETECTOR FOR SHUTDOWN OF AIR HANDLING UNIT, LOCATE ONE IN SUPPLY AIR DUCT AND ONE IN RETURN AIR DUCT (WHEN APPLICABLE) CONNECTIONS. MAKE CONNECTIONS TO UNIT AS REQUIRED FOR INDIVIDUAL ASSOCIATED MODULES AND CONNECTIONS REQUIRED FOR CORRECT OPERATION AS NOTED IN THE SPECIFICATIONS. FIELD VERIFY EXACT LOCATION.

SMOKE DETECTOR FOR ELEVATOR RECALL. MAKE CONNECTIONS TO ELEVATOR CONTROLLER AS REQUIRED.

FIELD VERIFY EXACT LOCATION.

INDICATED WITHIN THIS AREA. NOTE: FIRE ALARM IS BASE SUPPORT/STAGE AREAS. LAYOUT SHALL MINIMIZE IMPACT TO COORDINATION. INTENT IS TO NOT DISTURB FINISHES AND MINIMIZE SURFACE RACEWAY. FIELD DETERMINE EXACT CONDITIONS.

TERMINATE ALL LOW VOLTAGE COMMUNICATIONS AND ACCESS CONTROLS CABLING SERVING THE LEVEL 2 RENOVATIONS TO EXISTING RACK(S) IN IDF 4 LOCATED ABOVE LEVEL 3 STAIRS, REFER TO SHEET LV103B. COORDINATE WITH DISTRICT COMMUNICATIONS REPRESENTATIVE.

Please consider the environment before printing this. (Not included in this Bid Package)