CONDITIONS. THE INFORMATION SHOWN IS TO

1. UNLESS OTHERWISE NOTED, SERVICES AND EQUIPMENT SHOWN
   WITH BOLD DASHED LINES ARE TO BE DEMOLISHED. SERVICES
   AND EQUIPMENT SHOWN WITH SOLID HALF TONE LINE WEIGHT
   ARE TO REMAIN IN PLACE.

2. THE EXISTING CONDITIONS INDICATED ON THE DRAWINGS ARE
   TAKEN FROM THE BEST INFORMATION AVAILABLE AND FROM
   "AS VISUAL SITE INSPECTION AND ARE NOT TO BE CONSIDERED
   BUILT ESTABLISH THE EXTENT OF THE SCOPE OF 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 INDICATED.

3. PATCH ROOFS, WALLS, AND CEILINGS WHERE ANY SERVICES
   ARE REMOVED UNLESS NOTED OTHERWISE.

4. DISCONNECT AND REMOVE ALL DUCTWORK, PIPING, WIRING,
   AND CONDUIT THAT BECOMES UNNECESSARY AS A RESULT OF
   THE REMOVAL OF EQUIPMENT INDICATED TO BE REMOVED.

5. WHERE MECHANICAL AND ELECTRICAL FIXTURES OR EQUIPMENT
   ARE REMOVED, CAP ALL UNUSED CONDUIT, WIRING, AND PIPING
   BEHIND THE FLOOR LINE OR WALL LINE TO FACILITATE THE
   RESTORATION OF FINISH.

6. PROVIDE FOR THE CONTINUITY OF AL REMAINING SERVICES,
   SYSTEMS, AND CIRCUITS. RELOCATE AND RECONNECT ANY
   MECHANICAL AND ELECTRICAL FACILITIES THAT MUST BE
   RELOCATED IN ORDER TO ACCOMPLISH THE REMODELING
   SHOWN IN THE DRAWINGS OR INDICATED IN THE
   SPECIFICATIONS.

REMOVE AND SALVAGE THERMOSTAT AND HUMIDITY SENSOR
DEMO SINK, PREPARE VENT LINE AND SANITARY TO BE
CONNECTED INTO NEW FLOOR DRAIN GOING IN NEAR THIS
CONNECTION. REMOVE THE 1/2" CW LINE BACK TO MAIN AND
CAP. PREPARE 1.2" HW LINE FOR CONNECTION ABOVE CEILING
WORK. HARD DUCT SHALL REMAIN FOR RECONNECT TO NEW
LAVATORY. REFER TO NEW WORK.

ADDED WATER CLOSET TO END OF SANITARY RUN. FIELD VERIFY
WITH NEW WORK PLUMBING CONTRACTOR PRIOR TO REMOVAL
OF EXISTING ELBOW.

IN CHASE AS NECESSARY IN ORDER TO ACCOMMODATE
ADDED WATER CLOSET TO END OF SANITARY RUN. FIELD VERIFY
WITH NEW WORK PLUMBING CONTRACTOR PRIOR TO REMOVAL
OF EXISTING ELBOW.

REVISE DRAWING FOR REMOVAL OF 3" CEILING DUCTS.
THESE DUCTS SHALL NOT BE REMOVED.

MEP ENGINEERS
Smith and Boucher Inc.
25618 West 103rd Street
Olathe, KS 66061
1-913-345-2127 phone

Liberty North High School - Classroom Remodel
Project number 2314717
The Professional Architects seal 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,
and this architect expressly disclaims any and all responsibility for such plan, drawings, or documents not exhibiting
this seal.

LIBERTY PUBLIC SCHOOLS
1000 NE 104th Street
Liberty, MO 64068
816.531.5891 phone

SMITH & BOUCHER INC.
Liberty, MO 64068
816.531.4144 phone

B. C. W. S. INC.
LIBERTY, MO 64068
816.531.0781 phone

DM101 DEMOLITION HVAC & PLUMBING PLANS - LEVEL 1

LIBERTY NORTH HIGH SCHOOL - CLASSROOM REMODEL
LIBERTY, MO 64068

REV. 03.11.2024 CHECKED BY: RJD
REV. 03.11.2024 DRAWN BY: SBI
POWER DEMOLITION GENERAL NOTES:

1. UNLESS OTHERWISE NOTED, SERVICES AND EQUIPMENT SHOWN ARE TAKEN FROM THE BEST INFORMATION AVAILABLE AND WITH BOLD DASHED LINES ARE TO BE DEMOLISHED. SERVICES FROM VISUAL SITE INSPECTIONS AND ARE NOT TO BE REMOVED, UNLESS NOTED OTHERWISE.

2. PROJECT SITE AND PERFORM THE WORK AS REQUIRED TO MEET THE EXISTING CONDITIONS AND THE EXTENT OF THE WORK INDICATED.

3. DISCONNECT AND REMOVE ALL DUCTWORK, PIPING, WIRING, AND CONDUIT THAT BECOMES UNNECESSARY AS A RESULT OF THE REMOVAL OF FIXTURES, DEVICES OR EQUIPMENT INDICATED TO BE REMOVED. LABEL ALL CIRCUIT CIRCUITRY INDICATED TO REMAIN IN USE. WHERE REMOVAL IS REQUIRED IN ORDER TO ACCOMPLISH THE WORK.

4. DISCONNECT AND REMOVE ALL CIRCUITRY, DISCONNECTS, AND CONDUIT THAT BECOMES UNNECESSARY AS A RESULT OF THE REMOVAL OF FIXTURES, DEVICES OR EQUIPMENT INDICATED TO BE REMOVED. LABEL ALL CIRCUIT CIRCUITRY INDICATED TO REMAIN IN USE. WHERE REMOVAL IS REQUIRED IN ORDER TO ACCOMPLISH THE WORK.

5. DISCONNECT AND REMOVE ALL DUCTWORK, PIPING, WIRING, AND CONDUIT THAT BECOMES UNNECESSARY AS A RESULT OF THE REMOVAL OF FIXTURES, DEVICES OR EQUIPMENT INDICATED TO BE REMOVED. LABEL ALL CIRCUIT CIRCUITRY INDICATED TO REMAIN IN USE. WHERE REMOVAL IS REQUIRED IN ORDER TO ACCOMPLISH THE WORK.

6. REMOVAL OF FIRE ALARM PULL STATION AND PROVIDE COVER.

7. VERIFY AND RESTORE CONTINUITY OF ALL EXISTING SERVICES, SYSTEMS, AND CIRCUITS. RELOCATE AND RECONNECT ANY OTHER EXISTING TO REMAIN RECEPTACLES ON THE CIRCUIT.

8. PROVIDE FOR THE CONTINUITY OF ALL REMAINING SERVICES, SYSTEMS, AND CIRCUITS. WHERE REMOVAL IS REQUIRED IN ORDER TO ACCOMPLISH THE WORK.

9. DEMOLITION PLAN NOTES:

2. DEMOLITION PLAN NOTES:

- REMOVE FIRE ALARM CIRCUIT REMAINS IN TACT AND EXISTING TO REMAIN GYP WALL. DEVICE TO BE RELOCATED TO CEILING (WITH SPARE). CAP ALL UNUSED CONDUIT AND WIRING BEYOND THE NEW CEILING. REFER TO NEW WORK.

- REMOVE RECEPTACLE AND ASSOCIATED DESIGNATED JUNCTION BOX COVERS ON ALL EXISTING JUNCTION BOXES WITHIN THE CONSTRUCTION AREA.

- DISCONNECT AND REMOVE ALL CIRCUITRY, DISCONNECTS, AND CONDUIT THAT BECOMES UNNECESSARY AS A RESULT OF THE REMOVAL OF FIXTURES, DEVICES OR EQUIPMENT INDICATED TO BE REMOVED. LABEL ALL CIRCUIT CIRCUITRY INDICATED TO REMAIN IN USE. WHERE REMOVAL IS REQUIRED IN ORDER TO ACCOMPLISH THE WORK.

- DISCONNECT AND REMOVE ALL DUCTWORK, PIPING, WIRING, AND CONDUIT THAT BECOMES UNNECESSARY AS A RESULT OF THE REMOVAL OF FIXTURES, DEVICES OR EQUIPMENT INDICATED TO BE REMOVED. LABEL ALL CIRCUIT CIRCUITRY INDICATED TO REMAIN IN USE. WHERE REMOVAL IS REQUIRED IN ORDER TO ACCOMPLISH THE WORK.
GENERAL NOTES - STRUCTURAL

1. General Abbreviations

2. Structural Load Design Criteria

3. Shop Drawings and Shop and Submittals

4. Statement of Structural Special Inspection

5. Copyright and Disclaimer
GENERAL HVAC NOTES:

1. INFORMATION SHOWN ON THE DRAWINGS IS INTENDED TO 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, CEILINGS, WALLS, AND ALL OTHER TRADES TO PROVIDE FOR A COMPLETE AND WORKING SYSTEM.

2. ALL DUCTWORK AND PIPING IS SHOWN DIAGRAMMATICALLY AND DOES NOT INCLUDE ALL OFFSETS, DROPS, AND RISES.

3. CAREFULLY COORDINATE DUCT AND PIPE ROUTING WITH EXISTING STRUCTURE AS WELL AS ALL OTHER TRADES TO MAINTAIN PRIOR TO CORE DRILLING.

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. RETURN GRILLES ARE 22"X22" UNLESS NOTED

8. ALL SERVICES SHOWN WITH HALF TONE LINE WEIGHT ARE EXISTING. FIELD VERIFY. REPAIR CHASE WALL TO PREVIOUS FINISH.

9. TEMPERATURE SENSORS, HUMIDITY SENSORS, AND PRESSURE SENSORS ARE SHOWN ON PLANS FOR CLARITY AND GENERAL SIMILAR OBSTRUCTIONS.

10. WALL MOUNTED DEVICES SUCH AS THERMOSTATS, TEMPERATURE SENSORS, HUMIDITY SENSORS, AND PRESSURE SENSORS ARE SHOWN ON PLANS FOR CLARITY AND GENERAL FIELD VERIFY. FIELD VERIFY.

11. TV MONITOR ROUTING SHOWN IS INTENDED TO PROVIDE FOR A COMPLETE AND WORKING SYSTEM. IT IS NOT TO BE TAKEN AS AN AS- BUILT CONDITION. THE SYSTEM INSTALLATION SHALL BE COORDINATED WITH ALL TRADES TO PROVIDE FOR A COMPLETE AND WORKING SYSTEM.

12. TOILET ROOMS SHOWN WITH HALF TONE LINE WEIGHT ARE EXISTING. FIELD VERIFY. REPAIR CHASE WALL TO PREVIOUS FINISH.

13. SAFETY SHOWER HEADS SHOWN WITH HALF TONE LINE WEIGHT ARE EXISTING. FIELD VERIFY. REPAIR CHASE WALL TO PREVIOUS FINISH.

14. SAFETY SHOWER HEADS SHOWN WITH HALF TONE LINE WEIGHT ARE EXISTING. FIELD VERIFY. REPAIR CHASE WALL TO PREVIOUS FINISH.

15. SAFETY SHOWER HEADS SHOWN WITH HALF TONE LINE WEIGHT ARE EXISTING. FIELD VERIFY. REPAIR CHASE WALL TO PREVIOUS FINISH.

16. SAFETY SHOWER HEADS SHOWN WITH HALF TONE LINE WEIGHT ARE EXISTING. FIELD VERIFY. REPAIR CHASE WALL TO PREVIOUS FINISH.

17. SAFETY SHOWER HEADS SHOWN WITH HALF TONE LINE WEIGHT ARE EXISTING. FIELD VERIFY. REPAIR CHASE WALL TO PREVIOUS FINISH.

18. SAFETY SHOWER HEADS SHOWN WITH HALF TONE LINE WEIGHT ARE EXISTING. FIELD VERIFY. REPAIR CHASE WALL TO PREVIOUS FINISH.

19. SAFETY SHOWER HEADS SHOWN WITH HALF TONE LINE WEIGHT ARE EXISTING. FIELD VERIFY. REPAIR CHASE WALL TO PREVIOUS FINISH.

20. SAFETY SHOWER HEADS SHOWN WITH HALF TONE LINE WEIGHT ARE EXISTING. FIELD VERIFY. REPAIR CHASE WALL TO PREVIOUS FINISH.

21. SAFETY SHOWER HEADS SHOWN WITH HALF TONE LINE WEIGHT ARE EXISTING. FIELD VERIFY. REPAIR CHASE WALL TO PREVIOUS FINISH.

22. SAFETY SHOWER HEADS SHOWN WITH HALF TONE LINE WEIGHT ARE EXISTING. FIELD VERIFY. REPAIR CHASE WALL TO PREVIOUS FINISH.

23. SAFETY SHOWER HEADS SHOWN WITH HALF TONE LINE WEIGHT ARE EXISTING. FIELD VERIFY. REPAIR CHASE WALL TO PREVIOUS FINISH.

24. SAFETY SHOWER HEADS SHOWN WITH HALF TONE LINE WEIGHT ARE EXISTING. FIELD VERIFY. REPAIR CHASE WALL TO PREVIOUS FINISH.

25. SAFETY SHOWER HEADS SHOWN WITH HALF TONE LINE WEIGHT ARE EXISTING. FIELD VERIFY. REPAIR CHASE WALL TO PREVIOUS FINISH.

26. SAFETY SHOWER HEADS SHOWN WITH HALF TONE LINE WEIGHT ARE EXISTING. FIELD VERIFY. REPAIR CHASE WALL TO PREVIOUS FINISH.

27. SAFETY SHOWER HEADS SHOWN WITH HALF TONE LINE WEIGHT ARE EXISTING. FIELD VERIFY. REPAIR CHASE WALL TO PREVIOUS FINISH.

28. SAFETY SHOWER HEADS SHOWN WITH HALF TONE LINE WEIGHT ARE EXISTING. FIELD VERIFY. REPAIR CHASE WALL TO PREVIOUS FINISH.

29. SAFETY SHOWER HEADS SHOWN WITH HALF TONE LINE WEIGHT ARE EXISTING. FIELD VERIFY. REPAIR CHASE WALL TO PREVIOUS FINISH.

30. SAFETY SHOWER HEADS SHOWN WITH HALF TONE LINE WEIGHT ARE EXISTING. FIELD VERIFY. REPAIR CHASE WALL TO PREVIOUS FINISH.

31. SAFETY SHOWER HEADS SHOWN WITH HALF TONE LINE WEIGHT ARE EXISTING. FIELD VERIFY. REPAIR CHASE WALL TO PREVIOUS FINISH.
1. Connect all 3' and 4' fixtures to associated power packs.
2. Connect all trunking to associated power packs.
3. Connect all lighting to associated power packs.

**General WIRING**
- Power to associated fixtures.
- Connect all fixtures to power packs.
- Verify locations and quantities with HVAC plans.

**Thermostat/Temperature Sensors**
- Furnish and install duct mounted smoke detectors at each location.
- Furnish and install thermostats/temperature sensors to associated HVAC conductors.
- Refer to M/E and Plumbing Schedules and Details for operation.
- Verify locations and quantities with HVAC plans.

**Receptacles**
- Furnish and install duplex receptacle with (1) USB-C type Each room unless noted otherwise.
- Refer to wiring schedules and details for associated transformers, wiring, and connections required for correct operation.
- Furnish and install dedicated projector receptacle and cover plate.
- Furnish and install recessed smoke detector and associated AV devices.

**Telephone and Data Outlets**
- Furnish and install (1)1" conduit with pullstring from each phone or data outlet shown on this sheet up to nearest accessible ceiling, or between devices.
- Provide power to all fire/smoke dampers.
- Provide a power pack for all fire/smoke dampers at each location.
- Verify locations and quantities with HVAC plans.

**Other Trades**
- Furnish and install all approved circuits that interface with other trade work.
- Verify locations and quantities with HVAC plans.
- Coordinate conduit, sleeve, etc. routing with all other trades prior to installation.

**Ceiling and Wall Mounts**
- Furnish and install ceiling speakers and associated AV devices.
- Furnish and install ceiling modules and associated connections required for correct operation.
- Furnish and install ceiling speakers and associated AV devices.
- Furnish and install ceiling modules and associated connections required for correct operation.
- Verify locations and quantities with HVAC floor plans.

**Duct Mounts**
- Furnish and install duct mounted smoke detectors at each location.
- Verify locations and quantities with HVAC plans.
- Provide all necessary relays and transformers required for a fully working system.