GENERAL NOTES:
1. THE EXISTING CONDITIONS INDICATED ON THE DRAWINGS ARE TAKEN FROM THE BEST INFORMATION AVAILABLE AND FROM VISUAL SITE INSPECTIONS AND ARE NOT TO BE CONSTRUED AS "AS-BUILT" CONDITIONS. THE INFORMATION IS SHOWN TO HELP ESTABLISH THE EXTENT OF THE NEW WORK. VERIFY ALL ACTUAL EXISTING CONDITIONS AT THE PROJECT SITE AND PERFORM THE WORK AS REQUIRED TO MEET THE EXISTING CONDITIONS AND THE EXTENT OF THE WORK INDICATED.
2. DASHED LINES INDICATE MECHANICAL OR ELECTRICAL FIXTURES, DEVICES OR EQUIPMENT THAT SHALL BE REMOVED. SOLID LINES REPRESENT EXITING EQUIPMENT OR MATERIAL TO REMAIN, EXCEPT WHERE OTHERWISE INDICATED.
3. DISCONNECT AND REMOVE ALL CIRCUITRY, DISCONNECTS, CONTROLLERS AND CONDUIT THAT BECOMES UNNECESSARY AS A RESULT OF THE REMOVAL OF FIXTURES, DEVICES OR EQUIPMENT INDICATED TO BE REMOVED. LABEL ALL CIRCUIT BREAKERS IN EXISTING PANELBOARDS NO LONGER IN USE AS SPARE. CAP ALL UNUSED CONDUIT AND WIRING BEYOND THE FLOOR LINE OR WALL LINE TO FACILITATE RESTORATION OF FINISH.
4. VERIFY AND RESTORE CONTINUITY OF ALL EXISTING CIRCUITRY INDICATED TO REMAIN IN USE. WHERE REMOVAL OF EXISTING WIRING INTERRUPTS ELECTRICAL CONTINUITY TO INSURE CONTINUED ELECTRICAL CONTINUITY.
5. RELOCATE AND RECONNECT ANY MECHANICAL EQUIPMENT AND ANY ELECTRIC FIXTURES, DEVICES OR EQUIPMENT THAT MUST BE RELOCATED IN ORDER TO ACCOMPLISH THE REVISIONS INDICATED ON THE DRAWINGS OR INDICATED IN THE SPECIFICATIONS OR TO MEET NEC CODE REQUIRED CLEARANCES.
6. ELECTRIC CONTRACTOR TO FURNISH AND INSTALL BLANK JUNCTION BOX COVERS ON ALL EXISTING JUNCTION BOXES WITHIN THE CONSTRUCTION AREA.
7. DEMO EXTERIOR MOUNTED TRANSFORMER AND PANEL, DEMO BACK CONDUIT AND CAP AS NEEDED TO POUR NEW SLAB OVER THE TOP.
8. DEMO EXTERIOR MOUNTED LIGHT FIXTURE, REPAIR LIGHT CIRCUIT AS NEEDED TO MAINTAIN EXISTING TO REMAIN ASSOCIATED WITH DEMO'D VESTIBULE AND EXTERIOR AWNING. REPAIR ALL CIRCUITS WITH EXISTING TO REMAIN ITEMS TO MAINTAIN ALL EXISTING DEVICES. SALVAGE AND TURN OVER TO OWNER ALL CARD READER, CAMERA AND LOW VOLTAGE DEVICES.

DEMO LIGHTING PLAN - LEVEL 1 - AREA A

NOT IN SCOPE
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**GENERAL NOTES:**

1. All construction plans and specifications are subject to change without notice.
2. These plans are intended for use by the owner, architect, contractor and subcontractors.
3. All work must be performed in accordance with local building codes and regulations.
4. The owner is responsible for ensuring all required permits are obtained prior to construction.
5. The architect reserves the right to make changes to the plans and specifications at any time for any reason.
6. The contractor is responsible for ensuring all work is performed in accordance with the plans and specifications.
7. Any disputes arising from the plans and specifications will be resolved by the architect.
8. The architect is not responsible for any changes made to the plans and specifications without the architect's approval.
9. The owner is responsible for providing all necessary information and approvals for the project.
10. All drawings and specifications are the property of the architect and shall not be reproduced without the architect's consent.

**CONSTRUCTION DOCUMENTS**

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<th>Description</th>
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The Professional Engineers 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 engineer, and this engineer expressly disclaims any and all responsibility for such plan, drawings, or documents not exhibiting this seal.
EXISTING CONDITIONS PLAN

The Professional Engineers 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 engineer, and this engineer expressly disclaims any and all responsibility for such plan, drawings, or documents not exhibiting this seal.

Please consider the environment before printing this.
GENERAL LANDSCAPE NOTES

1. The contractor shall furnish and install the landscape planting system as shown on the landscape plan and specifications. The entire planting system shall be installed by the landscape contractor in accordance with the procedures stipulated herein. The installation of plants shall be performed with care and precision, in accordance with the methods described in the specifications. The landscape plan shall be used as reference, and the contractor is responsible for the accuracy of the work. The landscape plan shall be made available for inspection by the owner and landscape architect.

2. All mowing, irrigation, and other maintenance operations shall be performed in a manner that does not disturb the landscape design. The landscape plan shall be used as reference, and the contractor is responsible for the accuracy of the work. The landscape plan shall be made available for inspection by the owner and landscape architect.

3. The contractor shall provide a warrant of plant material at the time of delivery and handling of plant material at the time of delivery. The contractor shall be responsible for the quality of the plant material and the overall landscape design. The landscape plan shall be used as reference, and the contractor is responsible for the accuracy of the work. The landscape plan shall be made available for inspection by the owner and landscape architect.

4. The contractor shall provide a warrant of plant material at the time of delivery and handling of plant material at the time of delivery. The contractor shall be responsible for the quality of the plant material and the overall landscape design. The landscape plan shall be used as reference, and the contractor is responsible for the accuracy of the work. The landscape plan shall be made available for inspection by the owner and landscape architect.

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ALTERNATIVE NO. 1 SCOPE WITHIN BOUNDARY LINE

1. CLASSROOMS, STORAGE ROOMS, OFFICES, LOCKER ROOMS, SUPPORT SPACES TO RECEIVE CLG1 (24x48) OR CLG2 (24x24) TO MATCH EXISTING GRID SIZE
2. LOBBIES, RECEPTION, PUBLIC CIRCULATION, CLASSROOM CORRIDORS, VESTIBULES, MEDIA CENTER, & COMMONS TO RECEIVE CLG3
3. KITCHEN, CAFETERIA, RESTROOMS, SHOWERS & OTHER WET SPACES TO RECEIVE CLG4 (24x48) OR CLG5 (24x24) TO MATCH EXISTING GRID SIZE
A MIN. OF 8" AFF
CONC. SIDEWALK, CONT ALONG BASE OF WALL
FLASHING LEG

Scale
3" = 1'-0"

100' - 0"
Level 1
**DOOR SCHEDULE**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Material</th>
<th>Notes</th>
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<tbody>
<tr>
<td>A1</td>
<td>Wall Jamb @ Stud Wall (Interior)</td>
<td>CMU</td>
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<tr>
<td>A2</td>
<td>Wall Jamb @ Stud Wall (Exterior)</td>
<td>CMU</td>
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<td>Wall Jamb @ Stud Wall (Exterior)</td>
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<td>A10</td>
<td>Wall Jamb @ Stud Wall (Exterior)</td>
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**DOOR FRAME TYPES**

- CMU Storefront Jamb @ Stud Wall (Interior)
- 3/8" D4 Hinge Jamb @ 3" = 1'-0" Scale
- 09 21 16.A01 3/8" Sealant
- 07 92 00.A01 CMU
- 08 41 13.A02 Flat Filler Plate
- 08 41 13.A06 Flat Filler Plate
- 09 29 00.A11 3/8" HM Jamb @ SEALANT

**GLASS LEGEND**

- Low-E Clear Insulated Fully-Tempered Glass (41 08 80 00.A41)
- Low-E Clear Insulated Glass (31 08 80 00.A31)
- Clear Laminated Glass (21 08 80 00.A21)
- Clear Laminated Glass (12 08 80 00.A12)
- 3/8" Clear Fully-Tempered Monolithic Glass (20 08 80 00.A11)
- 3/8" Clear Laminated Glass (11 08 80 00.A10)
- 3/8" Clear Insulated Glass (10 08 80 00.A09)

**DOOR TYPE NOTES**

- Designed to order for General Contractor.
- Dimensions associated with glass sizes are to the centerline of the frame unless otherwise noted.
- Refer to door schedule and DOOR TYPES & FRAME TYPES for glass sizes & doors.
null
GENERAL FINISH NOTES

1. REFER TO FINISH FLOOR PLANS, REFLECTED CEILING PLANS, ELEVATIONS, AND DETAILS FOR EXTENT OF MULTIPLE FINISHES.

2. DO NOT PAINT NATURAL OR MANUFACTURED STONE, BRICK, GLAZED BLOCK OR ANY OTHER PREFINISHED MATERIALS.

3. DO NOT PAINT ALUMINUM OR OTHER NON-FERROUS METALS THAT ARE PREFINISHED.

4. MATCH VERTICAL FINISH OF ALL INTERIOR GYPSUM BOARD SOFFITS TO HORIZONTAL FINISH AS NOTED ON RCP OR ROOM FINISH SCHEDULE, UNO.

5. PAINT ALL EXPOSED CEILINGS DESIGNATED AS 'OTS' AS INDICATED ON ROOM FINISH SCHEDULE. PAINTING INCLUDES, BUT IS NOT LIMITED TO: EXPOSED STRUCTURE, JOISTS, METAL DECKING, EXISTING TECTUM PANELS, DUCTWORK AND MECHANICAL EQUIPMENT.

6. PAINT ALL EXPOSED STEEL, UNO.

7. PAINT ALL INTERIOR HOLLOW METAL DOORS AND FRAMES COLOR P6, UNO.

8. PAINT OR FINISH THE FOLLOWING ITEMS TO MATCH ADJACENT PAINT OR FINISH:
   a. ELECTRICAL PANELS IN FINISHED ROOMS
   b. GRILLES, LOUVERS ETC. PRIMED OR SPECIFIED TO BE PAINTED
   c. UNFINISHED SPEAKER OUTLET GRILLES
   d. VISIBLE PORTIONS OF DUCTWORK AND MECHANICAL EQUIPMENT BEHIND VENTS, GRILLES AND DIFFUSERS

9. REFER TO MATERIAL FINISH LEGEND & FINISH SCHEDULE FOR ADDITIONAL DIRECTIONS.

MATERIAL FINISH LEGEND

ROOM FINISH SCHEDULE

GENERAL FINISH NOTES

1. REFER TO FINISH FLOOR PLANS, REFLECTED CEILING PLANS, ELEVATIONS, AND DETAILS FOR EXTENT OF MULTIPLE FINISHES.

2. DO NOT PAINT NATURAL OR MANUFACTURED STONE, BRICK, GLAZED BLOCK OR ANY OTHER PREFINISHED MATERIALS.

3. DO NOT PAINT ALUMINUM OR OTHER NON-FERROUS METALS THAT ARE PREFINISHED.

4. MATCH VERTICAL FINISH OF ALL INTERIOR GYPSUM BOARD SOFFITS TO HORIZONTAL FINISH AS NOTED ON RCP OR ROOM FINISH SCHEDULE, UNO.

5. PAINT ALL EXPOSED CEILINGS DESIGNATED AS 'OTS' AS INDICATED ON ROOM FINISH SCHEDULE. PAINTING INCLUDES, BUT IS NOT LIMITED TO: EXPOSED STRUCTURE, JOISTS, METAL DECKING, EXISTING TECTUM PANELS, DUCTWORK AND MECHANICAL EQUIPMENT.

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   c. UNFINISHED SPEAKER OUTLET GRILLES
   d. VISIBLE PORTIONS OF DUCTWORK AND MECHANICAL EQUIPMENT BEHIND VENTS, GRILLES AND DIFFUSERS

9. REFER TO MATERIAL FINISH LEGEND & FINISH SCHEDULE FOR ADDITIONAL DIRECTIONS.
1. General Information

A. The dimensions and wall thicknesses are not contracting on the project. The specified materials are not required to be furnished or installed as specified in the plans and contract documents if they are not available in the normal course of business from the usual sources. The Contractor shall not be required to furnish or install any materials that are not available in the normal course of business from the usual sources at competitive prices, unless otherwise specified in the plans and contract documents.

B. All data regarding the use of equipment and materials are subject to change due to new research or developments. The Contractor agrees to consult the latest available data prior to ordering equipment and materials. The Contractor is responsible for the correct use of equipment and materials and shall not be held liable for any damages resulting from the incorrect use of equipment and materials.

2. Structural and Design Criteria

A. The structural and design criteria for the project are based on the International Building Code (IBC) 2018 as amended by the city of Liberty, MO. The project is classified as a seismic zone C and a wind zone with a wind load of 200 lbs. on the top or bottom chord at any location without additional web reinforcement or at least 0.4 x beam total shear capacity, Vn/Omega, shown in the plans.

B. The project is designed for a live load of 200 lbs. on the top or bottom chord at any location without additional web reinforcement or at least 0.4 x beam total shear capacity, Vn/Omega, shown in the plans.

C. The project is designed for a live load of 200 lbs. on the top or bottom chord at any location without additional web reinforcement or at least 0.4 x beam total shear capacity, Vn/Omega, shown in the plans.

D. The project is designed for a live load of 200 lbs. on the top or bottom chord at any location without additional web reinforcement or at least 0.4 x beam total shear capacity, Vn/Omega, shown in the plans.

3. Concrete

A. All concrete in the structural portion retaining the backfill shall have attained its design strength before proceeding. The concrete shall be placed in accordance with the flatwork provisions of the International Building Code (IBC) 2018 as amended by the city of Liberty, MO.

B. All concrete for interior flatwork (with floor covering) shall develop minimum compressive strengths as noted above. The concrete shall be placed in accordance with the flatwork provisions of the International Building Code (IBC) 2018 as amended by the city of Liberty, MO.

C. All concrete for interior flatwork (with floor covering) shall develop minimum compressive strengths as noted above. The concrete shall be placed in accordance with the flatwork provisions of the International Building Code (IBC) 2018 as amended by the city of Liberty, MO.

4. Reinforcing Steel

A. All reinforcing steel shall be of the high-strength material specified in the plans. The reinforcing steel shall be placed in accordance with the flatwork provisions of the International Building Code (IBC) 2018 as amended by the city of Liberty, MO.

B. All reinforcing steel shall be of the high-strength material specified in the plans. The reinforcing steel shall be placed in accordance with the flatwork provisions of the International Building Code (IBC) 2018 as amended by the city of Liberty, MO.

C. All reinforcing steel shall be of the high-strength material specified in the plans. The reinforcing steel shall be placed in accordance with the flatwork provisions of the International Building Code (IBC) 2018 as amended by the city of Liberty, MO.

5. Structural Steel

A. All structural steel shall be of the high-strength material specified in the plans. The structural steel shall be placed in accordance with the flatwork provisions of the International Building Code (IBC) 2018 as amended by the city of Liberty, MO.

B. All structural steel shall be of the high-strength material specified in the plans. The structural steel shall be placed in accordance with the flatwork provisions of the International Building Code (IBC) 2018 as amended by the city of Liberty, MO.

C. All structural steel shall be of the high-strength material specified in the plans. The structural steel shall be placed in accordance with the flatwork provisions of the International Building Code (IBC) 2018 as amended by the city of Liberty, MO.

6. Footings

A. All footings shall be designed to carry the loads specified in the plans. The footings shall be placed in accordance with the flatwork provisions of the International Building Code (IBC) 2018 as amended by the city of Liberty, MO.

B. All footings shall be designed to carry the loads specified in the plans. The footings shall be placed in accordance with the flatwork provisions of the International Building Code (IBC) 2018 as amended by the city of Liberty, MO.

C. All footings shall be designed to carry the loads specified in the plans. The footings shall be placed in accordance with the flatwork provisions of the International Building Code (IBC) 2018 as amended by the city of Liberty, MO.

7. Formwork

A. All formwork shall be designed to carry the loads specified in the plans. The formwork shall be assembled and removed in accordance with the flatwork provisions of the International Building Code (IBC) 2018 as amended by the city of Liberty, MO.

B. All formwork shall be designed to carry the loads specified in the plans. The formwork shall be assembled and removed in accordance with the flatwork provisions of the International Building Code (IBC) 2018 as amended by the city of Liberty, MO.

C. All formwork shall be designed to carry the loads specified in the plans. The formwork shall be assembled and removed in accordance with the flatwork provisions of the International Building Code (IBC) 2018 as amended by the city of Liberty, MO.

8. Concrete Slabs on Grade

A. All concrete slabs on grade shall be placed over 15 mil, Class A Vapor Barrier. The concrete slabs shall be placed in accordance with the flatwork provisions of the International Building Code (IBC) 2018 as amended by the city of Liberty, MO.

B. All concrete slabs on grade shall be placed over 15 mil, Class A Vapor Barrier. The concrete slabs shall be placed in accordance with the flatwork provisions of the International Building Code (IBC) 2018 as amended by the city of Liberty, MO.

C. All concrete slabs on grade shall be placed over 15 mil, Class A Vapor Barrier. The concrete slabs shall be placed in accordance with the flatwork provisions of the International Building Code (IBC) 2018 as amended by the city of Liberty, MO.

9. Light Gauge Metal Structural Framing

A. All light gauge metal structural framing shall be designed to carry the loads specified in the plans. The light gauge metal structural framing shall be installed in accordance with the flatwork provisions of the International Building Code (IBC) 2018 as amended by the city of Liberty, MO.

B. All light gauge metal structural framing shall be designed to carry the loads specified in the plans. The light gauge metal structural framing shall be installed in accordance with the flatwork provisions of the International Building Code (IBC) 2018 as amended by the city of Liberty, MO.

C. All light gauge metal structural framing shall be designed to carry the loads specified in the plans. The light gauge metal structural framing shall be installed in accordance with the flatwork provisions of the International Building Code (IBC) 2018 as amended by the city of Liberty, MO.

10. Concrete Reinforcing Steel Institute Design Handbook

A. All concrete reinforcing steel shall be designed to carry the loads specified in the plans. The concrete reinforcing steel shall be placed in accordance with the flatwork provisions of the International Building Code (IBC) 2018 as amended by the city of Liberty, MO.

B. All concrete reinforcing steel shall be designed to carry the loads specified in the plans. The concrete reinforcing steel shall be placed in accordance with the flatwork provisions of the International Building Code (IBC) 2018 as amended by the city of Liberty, MO.

C. All concrete reinforcing steel shall be designed to carry the loads specified in the plans. The concrete reinforcing steel shall be placed in accordance with the flatwork provisions of the International Building Code (IBC) 2018 as amended by the city of Liberty, MO.

11. Deferred Submittal and Shop Drawing

A. Deferred Submittal: Exterior curtain wall

B. Deferred Submittal: Exterior cold-formed steel

C. Deferred Submittal: Exterior cold-formed steel

12. Construction Joints

A. All construction joints shall be detailed per ACI 315 and meet the requirements of the contractor. The construction joints shall be located where the concrete shall be placed in accordance with the flatwork provisions of the International Building Code (IBC) 2018 as amended by the city of Liberty, MO.

B. All construction joints shall be detailed per ACI 315 and meet the requirements of the contractor. The construction joints shall be located where the concrete shall be placed in accordance with the flatwork provisions of the International Building Code (IBC) 2018 as amended by the city of Liberty, MO.

C. All construction joints shall be detailed per ACI 315 and meet the requirements of the contractor. The construction joints shall be located where the concrete shall be placed in accordance with the flatwork provisions of the International Building Code (IBC) 2018 as amended by the city of Liberty, MO.

13. Copyright and Disclaimer

A. The drawings and specifications are the property of MKEC Engineering, Inc. and are protected by copyright. Reproduction or duplication of the drawings and specifications without the written consent of MKEC Engineering, Inc. is prohibited.

B. The drawings and specifications are the property of MKEC Engineering, Inc. and are protected by copyright. Reproduction or duplication of the drawings and specifications without the written consent of MKEC Engineering, Inc. is prohibited.

C. The drawings and specifications are the property of MKEC Engineering, Inc. and are protected by copyright. Reproduction or duplication of the drawings and specifications without the written consent of MKEC Engineering, Inc. is prohibited.
1. PROVIDE PLATE WASHER & EMBEDDED PLATE PER SCHEDULE @ ALL ANCHOR BOLTS.

2. HOLE IN PLATE WASHER SHALL BE 1/16" LARGER THAN ANCHOR DIAMETER.

3. HOLE SIZES PROVIDED ARE BASED ON ANCHOR ROD SIZE AND CORRELATE WITH ACI 117 (ACI, 2010)

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<th>1 1/2&quot;</th>
<th>3/4&quot;</th>
<th>2&quot;</th>
<th>1&quot;</th>
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</thead>
</table>

4. TYPICAL BASE PLATE DETAIL

5. PLATE SIZE

6. BASE PLATE SHAPE (NOT TO SCALE)

7. 1 1/2" FOR ¾" DIA.

8. 1¾" FOR 1" DIA.

9. 2" FOR 1½" DIA.

10. PER PLAN

11. COLUMN BASE PLATE SCHEDULE

12. EXTERIOR METAL STUD SCHEDULE

13. STRUCTURAL FOUNDATION SCHEDULE

14. BUILDING ISOMETRIC VIEW

15. 3 BUILDING COMPONENTS & CLADDING WIND LOADS DIAGRAM

16. NOTES:
   1. Use plan view for placement of columns.
   2. The embedment depth shall be equal to or shall exceed 1/2" from the top of the column to the base of the column.
GENERAL NOTES - STRUCTURAL

1. Design Information
   a. Construction Documents
      i. Building Design for preliminary site plan
         ii. Final Design will be subject to the final inspection of the building official
         iii. Building permits may be issued with or without final plans
   b. Storm Shelter Design
      i. Storm Shelter Design will be based on the most recent version of the International Code Council (ICC) 500, 2014 Edition
      ii. Storm Shelters will be designed to resist the effects of a direct hit by an EF-5 tornado
         iii. Storm Shelter Construction will be in accordance with the requirements of the ICC 500-2014
   c. Special Inspections
      i. Special Inspections will be required for the construction and installation of storm shelters
      ii. Special Inspections will be conducted by a certified and licensed special inspector
         iii. Special Inspections will be documented in accordance with the ICC 500-2014
   d. Structural Design
      i. Structural Design will be based on the design of the structural engineer
      ii. Structural Design will be in accordance with the International Building Code (IBC) 2014
   e. Stress Relieving
      i. Stress Relieving will be performed in accordance with the manufacturer's instructions
   f. Load Tables
      i. Load Tables will be provided by the manufacturer
   g. Structural System
      i. Structural System will be designed to support the loads imposed by the roof and walls
         ii. Structural System will be in accordance with the International Building Code (IBC) 2014
   h. Wind Load
      i. Wind Load will be calculated in accordance with the International Building Code (IBC) 2014
         ii. Wind Load will be based on the design wind speed of the site
   i. Seismic Load
      i. Seismic Load will be calculated in accordance with the International Building Code (IBC) 2014
         ii. Seismic Load will be based on the design wind speed of the site

2. Structural Special Inspections
   a. Special Inspections will be performed by a certified and licensed special inspector
   b. Special Inspections will be documented in accordance with the ICC 500-2014
   c. Special Inspections will be in accordance with the International Building Code (IBC) 2014
   d. Special Inspections will be conducted in accordance with the manufacturer's instructions
   e. Special Inspections will be in accordance with the International Building Code (IBC) 2014

3. Structural Observations
   a. Structural Observations will be conducted in accordance with the International Building Code (IBC) 2014
   b. Structural Observations will be documented in accordance with the ICC 500-2014
   c. Structural Observations will be in accordance with the International Building Code (IBC) 2014
   d. Structural Observations will be conducted in accordance with the manufacturer's instructions
   e. Structural Observations will be in accordance with the International Building Code (IBC) 2014

4. Structural Documents
   a. Structural Documents will be provided by the manufacturer
   b. Structural Documents will be in accordance with the International Building Code (IBC) 2014
   c. Structural Documents will be in accordance with the International Building Code (IBC) 2014
   d. Structural Documents will be in accordance with the International Building Code (IBC) 2014
   e. Structural Documents will be in accordance with the International Building Code (IBC) 2014

5. Structural System
   a. Structural System will be designed to support the loads imposed by the roof and walls
   b. Structural System will be in accordance with the International Building Code (IBC) 2014
   c. Structural System will be in accordance with the International Building Code (IBC) 2014
   d. Structural System will be in accordance with the International Building Code (IBC) 2014
   e. Structural System will be in accordance with the International Building Code (IBC) 2014

6. Structural Special Inspections
   a. Special Inspections will be performed by a certified and licensed special inspector
   b. Special Inspections will be documented in accordance with the ICC 500-2014
   c. Special Inspections will be in accordance with the International Building Code (IBC) 2014
   d. Special Inspections will be conducted in accordance with the manufacturer's instructions
   e. Special Inspections will be in accordance with the International Building Code (IBC) 2014

7. Structural Observations
   a. Structural Observations will be conducted in accordance with the International Building Code (IBC) 2014
   b. Structural Observations will be documented in accordance with the ICC 500-2014
   c. Structural Observations will be in accordance with the International Building Code (IBC) 2014
   d. Structural Observations will be conducted in accordance with the manufacturer's instructions
   e. Structural Observations will be in accordance with the International Building Code (IBC) 2014

8. Structural Documents
   a. Structural Documents will be provided by the manufacturer
   b. Structural Documents will be in accordance with the International Building Code (IBC) 2014
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   a. Structural System will be designed to support the loads imposed by the roof and walls
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   e. Structural System will be in accordance with the International Building Code (IBC) 2014

10. Structural Special Inspections
    a. Special Inspections will be performed by a certified and licensed special inspector
    b. Special Inspections will be documented in accordance with the ICC 500-2014
    c. Special Inspections will be in accordance with the International Building Code (IBC) 2014
    d. Special Inspections will be conducted in accordance with the manufacturer's instructions
    e. Special Inspections will be in accordance with the International Building Code (IBC) 2014

11. Structural Observations
    a. Structural Observations will be conducted in accordance with the International Building Code (IBC) 2014
    b. Structural Observations will be documented in accordance with the ICC 500-2014
    c. Structural Observations will be in accordance with the International Building Code (IBC) 2014
    d. Structural Observations will be conducted in accordance with the manufacturer's instructions
    e. Structural Observations will be in accordance with the International Building Code (IBC) 2014

12. Structural Documents
    a. Structural Documents will be provided by the manufacturer
    b. Structural Documents will be in accordance with the International Building Code (IBC) 2014
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    d. Structural Documents will be in accordance with the International Building Code (IBC) 2014
    e. Structural Documents will be in accordance with the International Building Code (IBC) 2014

13. Structural System
    a. Structural System will be designed to support the loads imposed by the roof and walls
    b. Structural System will be in accordance with the International Building Code (IBC) 2014
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    e. Structural System will be in accordance with the International Building Code (IBC) 2014

14. Structural Special Inspections
    a. Special Inspections will be performed by a certified and licensed special inspector
    b. Special Inspections will be documented in accordance with the ICC 500-2014
    c. Special Inspections will be in accordance with the International Building Code (IBC) 2014
    d. Special Inspections will be conducted in accordance with the manufacturer's instructions
    e. Special Inspections will be in accordance with the International Building Code (IBC) 2014

15. Structural Observations
    a. Structural Observations will be conducted in accordance with the International Building Code (IBC) 2014
    b. Structural Observations will be documented in accordance with the ICC 500-2014
    c. Structural Observations will be in accordance with the International Building Code (IBC) 2014
    d. Structural Observations will be conducted in accordance with the manufacturer's instructions
    e. Structural Observations will be in accordance with the International Building Code (IBC) 2014

16. Structural Documents
    a. Structural Documents will be provided by the manufacturer
    b. Structural Documents will be in accordance with the International Building Code (IBC) 2014
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17. Structural System
    a. Structural System will be designed to support the loads imposed by the roof and walls
    b. Structural System will be in accordance with the International Building Code (IBC) 2014
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    d. Structural System will be in accordance with the International Building Code (IBC) 2014
    e. Structural System will be in accordance with the International Building Code (IBC) 2014
EXISTING 2 PSI NATURAL GAS METER.

DEVELOPED LENGTH = 800'

EXISTING GAS LOAD = 9853 MBH

NEW GAS LOAD = 1000 MBH

TOTAL LOAD = 10,853 MBH
MECHANICAL AND ELECTRICAL ROOF PLAN - AREA A

MECHANICAL AND ELECTRICAL ROOF PLAN - AREA A

PROVIDE 2 PSI TO 11" W.C. PRESSURE REGULATOR RATED FOR 3/4" COLD WATER DOWN THROUGH ROOF.

PROVIDE CURB OPENING.

TERMINATE VIA GOOSENECK WITH BIRD SCREEN OVER DUCT 8" DIAMETER OUTSIDE AIR DUCT THROUGH THE ROOF.

PIPE SIZES AND QUANTITY. UNIT. REFER TO THE MANUFACTURER'S REQUIREMENTS FOR BETWEEN THE INDOOR UNIT AND OUTDOOR CONDENSING UNITS.

PROVIDE REFRIGERATION LINESETS THROUGH THE ROOF.

MECHANICAL PLAN NOTES:

ALL SERVICES SHOWN HALF TONE ARE EXISTING.

VERTICAL PIPING COLOR AS DIRECTED BY ARCHITECT.

PAINT ALL PVC PIPING ON ROOF TO PROVIDE FOR UV PROTECTION. PAINT HORIZONTAL PIPING WHITE.

EXTEND ALL CONDENSATE DRAINS TO NEAREST ROOF DRAIN.

SERVICES WITH STRUCTURAL PRIOR TO CUTTING.

COORDINATE INSTALLATION AND PENETRATIONS OF ALL NEW EQUIPMENT CLEARANCES.

STRUCTURE AS WELL AS ALL OTHER TRADES TO PROVIDE FOR A COMPLETE AND WORKING SYSTEM. STRUCTURE AND ALL OTHER TRADES TO PROVIDE FOR A SYSTEM INSTALLATION SHALL BE COORDINATED WITH IT IS NOT TO BE TAKEN AS AN AS CONVEY SCOPE AND IS ARRANGED FOR DRAWING CLARITY.

INFORMATION SHOWN ON THE DRAWINGS IS INTENDED TO PROVIDE 2 PSI TO 11" W.C. PRESSURE REGULATOR RATED FOR 3/4" COLD WATER DOWN THROUGH ROOF.

PROVIDE CURB OPENING.

TERMINATE VIA GOOSENECK WITH BIRD SCREEN OVER DUCT 8" DIAMETER OUTSIDE AIR DUCT THROUGH THE ROOF.

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South Valley Middle School Storm Shelter Addition

MKEC Engineering, Inc.
Civil Engineer
State Certificate of Authority #11827 W 112th Street, Suite 200
Overland Park, KS 66210
913.317.9390 phone

Smith & Boucher Inc.
Mechanical, Electrical & Plumbing
State Certificate of Authority #EGC000178
25618 W 103rd Street
Olathe, KS 66061
913.345.2127 phone

Mo. State Certificate of Authority
Architecture # 0000161
Structure # 2006031333
Hollis + Miller Architects

Missouri State Certificate of Authority
Structure # 2006031333

Bob D Campbell
Structural Engineer
State Certificate of Authority #000442
4338 Bellview Ave.
Kansas City, MO 64111
816.531.4144 phone

Peerbolte Creative
Theatrical Consultant
109 E Pine St.
Warrensburg, MO 64093-0752
660.429.1383 phone

Avant Acoustics
AV/Acoustics Consultant
14827 West 95th St.
Lenexa, KS 66215
913.888.9111 phone

CONSTRUCTION DOCUMENTS

ME302

MECHANICAL AND ELECTRICAL - SCHEDULES

**MECHANICAL SCHEDULE**

<table>
<thead>
<tr>
<th>Description</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Draft Date</td>
<td>08.31.2023</td>
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</tbody>
</table>

**ROLLTOP UNIT SCHEDULE - DX COOLING / GAS HEATING**

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>Draft Date</td>
<td>08.31.2023</td>
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</tbody>
</table>
FIRE STOPPING DETAILS

WALL MOUNTED DEVICES: MOUNTING HEIGHTS

PLANS FOR ALL DEVICE LOCATIONS AND QUANTITIES

1. T Rating - 3/4 and 2 Hr (See Item 1)
2. F Rating - 1 and 2 Hr (See Item 1)

L Rating -

A BUNDY CO

NOM 3/4 in. (20 mm) diam (or smaller) copper pipe.
NOM 6 in. diam (or smaller) Regular (or heavier) copper pipe.
Nom 8 in. (203 mm) diam (or smaller) cast or ductile iron pipe.
Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.
Caulk applied to penetrant/wall interface at point contact location on both sides of wall.

A. Through Penetrating Product* - Flexible Metal Piping

1. Steel Air Duct
2. Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less.
3. Pipe Insulation - Plastic#

B. Copper Pipe

C. Steel Pipe

D. Iron Pipe

E. Copper Tubing

G. High Temperature Pipe Insulation BWT or High Temperature Pipe Insulation Thermaloc

H. High Temp Insulation - 2-1/2 in. (63 mm) diam (or smaller) Class 10 (or heavier) glass fiber units jacketed on the outside with an all service jacket. Longitudinal and transverse joints secured with foil-scrim kraft tape.

J. High Temp Insulation - 1 and 2 hr fire rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

K. Materials (BVDV) category in the Building Materials Directory for names of manufacturers. Any sheathing products shall be flame spread index</g.>
GENERAL NOTES:

1. INFORMATION SHOWN ON THE DRAWINGS IS INTENDED TO CONVEY SCOPE AND IS ARRANGED FOR DRAWING CLARITY. THE SYSTEM INSTALLATION SHALL BE COORDINATED WITH EXISTING STRUCTURE AS WELL AS ALL OTHER TRADES TO MAINTAIN EQUIPMENT CLEARANCES AND DESIRED CEILING HEIGHTS.

2. COORDINATE ALL PIPING PENETRATIONS WITH STRUCTURAL WASTE PIPING SHALL BE SLOPED AT 1/8" AND LARGER PIPING AND ¼"

3. STORM PIPING SHALL BE SLOPED AT 1/8"

4. PROVIDE WATER HAMMER ARRESTORS PER THE REQUIREMENTS OF THE SPECIFICATIONS AND PDI PLAN NOTES:

1. CONNECT NEW 2" COLD WATER TO EXISTING 3" OR LARGER WITHIN THE EXISTING WATER ENTRY ROOM. PROVIDE SHUT-OFF VALVE AT CONNECTION.

2. CONNECT NEW 4" STORM TO EXISTING 6" STORM.

3. PROVIDE ICC 500 PIPING SHROUD FOR ALL PENETRATIONS OF WALLS. REFER TO CODE PLANS FOR LOCATIONS OF RATED WALLS.

4. PROVIDE SHUT-OFF VALVES ABOVE ACCESSIBLE CEILING OR OTHER ACCESSIBLE LOCATION FOR ALL BRANCH PIPING AND INDIVIDUAL CONNECTIONS TO PLUMBING FIXTURES. WHERE PLUMBING STOPS ARE PROVIDED FOR INDIVIDUAL FIXTURES SHUT-OFF VALVES ARE ALSO REQUIRED AT THE BRANCH CONNECTION. PLUMBING STOPS ARE NOT CONSIDERED A SUBSTITUTE FOR SHUT-OFF VALVES.

5. PROVIDE WASTE AND STORM CLEANOUTS AS REQUIRED PER CODE AND SPECIFICATIONS. MORE CLEANOUTS MAY BE REQUIRED THAN AS SHOWN ON PLANS.

6. PROVIDE ICC 500 PIPING SHROUD FOR ALL PENETRATIONS OF WALLS. REFER TO CODE PLANS FOR LOCATIONS OF RATED WALLS.

7. PROVIDE SHUT-OFF VALVES FOR INDIVIDUAL FIXTURES SHUT-OFF VALVES ARE ALSO REQUIRED AT THE BRANCH CONNECTION. PLUMBING STOPS ARE NOT CONSIDERED A SUBSTITUTE FOR SHUT-OFF VALVES.

8. 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. REFER TO RISER DIAGRAM FOR ADDITIONAL PLUMBING INFORMATION.

9. PROVIDE FIRESTOPPING AT PENETRATIONS OF ALL RATED WALLS. REFER TO CODE PLANS FOR LOCATIONS OF RATED WALLS.

10. PROVIDE FIRESTOPPING AT PENETRATIONS OF ALL RATED WALLS. REFER TO CODE PLANS FOR LOCATIONS OF RATED WALLS.

11. PROVIDE SHUT-OFF VALVES ABOVE ACCESSIBLE CEILING OR OTHER ACCESSIBLE LOCATION FOR ALL BRANCH PIPING AND INDIVIDUAL CONNECTIONS TO PLUMBING FIXTURES. WHERE PLUMBING STOPS ARE PROVIDED FOR INDIVIDUAL FIXTURES SHUT-OFF VALVES ARE ALSO REQUIRED AT THE BRANCH CONNECTION. PLUMBING STOPS ARE NOT CONSIDERED A SUBSTITUTE FOR SHUT-OFF VALVES.

12. PROVIDE FIRESTOPPING AT PENETRATIONS OF ALL RATED WALLS. REFER TO CODE PLANS FOR LOCATIONS OF RATED WALLS.

13. PROVIDE ICC 500 PIPING SHROUD FOR ALL PENETRATIONS OF WALLS. REFER TO CODE PLANS FOR LOCATIONS OF RATED WALLS.

14. PROVIDE FIRESTOPPING AT PENETRATIONS OF ALL RATED WALLS. REFER TO CODE PLANS FOR LOCATIONS OF RATED WALLS.

15. PROVIDE FIRESTOPPING AT PENETRATIONS OF ALL RATED WALLS. REFER TO CODE PLANS FOR LOCATIONS OF RATED WALLS.

16. PROVIDE FIRESTOPPING AT PENETRATIONS OF ALL RATED WALLS. REFER TO CODE PLANS FOR LOCATIONS OF RATED WALLS.
General Notes:
- Suspending the water heater and expansion tank above the storage tank, which is shown offset for clarity. Refer to the plumbing riser diagrams and details for additional information.
- Do not route piping over electrical and AV panelboards and equipment.
- Mezzanine storage 8".
- Plan notes: 8" storm and 8" storm overflow up to roof drain.
- Plan notes: 3/4" cold water up to roof hydrant.
- Plan notes: 8" storm overflow down to downspout nozzle mounted at 24" above finished grade.
- Plan notes: 4" storm overflow down to downspout nozzle within the wall/chase.
- Plan notes: 2" vent between mezzanine and first floor.
- Plan notes: 2" DSN-1.
- Plan notes: 8" DSF-1.
- Plan notes: 8" DSN-1.
- Plan notes: 3/4" EWH-1.
- Plan notes: 2" EWC-1.
- Plan notes: 3" VTR-1.
- Plan notes: 1" CO-1.
- Plan notes: 5" ST/O-1.
- Plan notes: 3/4" ST-1.
- Plan notes: 3" ST/O-1.
- Plan notes: 8" ST/O-1.
- Plan notes: 2" ST/O-1.
- Plan notes: 2" ST-1.
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- Plan notes: 1B ST-1.
- Plan notes: 1B WH-1.
- Plan notes: 2" WH-1.
- Plan notes: 3/4" WH-1.
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1. REFER TO E100 FOR GENERAL NOTES.

**PLAN NOTES:**

1. CIRCUIT THRU RELAY IN THEATRICAL LIGHTING CONTROL PANEL. REFER TO THEATRICAL PLANS.

3. CIRCUIT THROUGH EMERGENCY TRANSFER DEVICE AHEAD OF CIRCUIT FROM THEATRICAL RELAY PANEL.

4. HP6-2(PART) IN MECH A107 TO TRANSFORM 277V CIRCUIT FROM INVERTER TO INV - 4 CIRCUIT.

4. COORDINATE WITH BLEACHER SHOP DRAWINGS. PROVIDE 277:120 1.5KVA TRANSFORMER MOUNTED ON WALL IN MECH A107 TO TRANSFORM 277V CIRCUIT FROM INVERTER TO 120V FEED FOR EMERGENCY TRANSFER DEVICE, CIRCUIT TO INV - 4 CIRCUIT.

6. PROVIDE WIRE GUARD OVER EXIT SIGN.

7. ROOM AND PROVIDE NEW CONTACTOR CONNECTED TO EXISTING CONTACTOR TIME CLOCK VIA BMS. CIRCUIT WITH LIGHTING PLAN - MEZZANINE - AREA A (2)#10,#10G,1/2"C (2) #10,#10G,1/2"C 8' 0' 8' 1/8" = 1'-0"
EXISTING MAIN SWITCHBOARD SWB1
NEW PANEL HP6 FEEDER, RE ONE-LINE DIAGRAM. ROUTE CONDUIT AS TIGHT TO DECK AS POSSIBLE. PENTRATE GYM WALL AS HIGH AS POSSIBLE ON EXITS, PAINT CONDUITA TO MATCH CEILING.
1. Wall Assembly - The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner as specified.

2. Cables - Within the loading area for each firestop device module, the cables may represent a 0 to 100 percent visual fill. Cable fill to be described within the individual U300, U400 or V400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall consist of a 1.4 by 1.4 by 10-1/2 in. (36 by 36 by 267 mm) long galv steel tube with an insulation.

3. Firestop Device* - Firestop device consists of a 1.4 by 1.4 by 10-1/2 in. (36 by 36 by 267 mm) long galv steel tube with an installation within wall, lid removed from device to capture grouped cables. After wall such that lid is on top and ends project an equal distance from the 'approximate' centerline of the wall assembly. Any combination of the following types of cables may be used:

4. Fill, Void or Cavity Material* - Sealant - Min 5/8 in. (16 mm) thickness of sealant to be applied in annular space between firestop device and gypsum board to accommodate firestop device to be max 3 in. (76 mm) wide by max 2-1/2 in. (64 mm) high. or nom 2 in. (51 mm)

*Bearing the UL Classification Mark

SPECIFIED TECHNOLOGIES INC - SpecSeal 100, 101, 102, 105, 120 or 129 Sealant, SpecSeal LCI Sealant, SpecSeal LC150 contact location between the firestop device and gypsum board wall on both sides of the wall assembly.

SPECIFIED TECHNOLOGIES INC - EZ PATH Series 22 Fire Rated Pathway
1. KEEP TRANSFORMER LEGS CLEAR OF WALLS, CEILINGS, SCAFFOLDS, ETC. LOCATION MUST Allow for TRANSFORMER TO BE MOVED UP AND DOWN.

2. TRANSFORMER MOUNTING DETAILS SHALL BE CONSISTENT WITH MANUFACTURER SPECIFICATIONS.

3. PROVIDE SUPPORT PER SPECIFICATIONS.

4.anel Anchor bolts will be used. Hot Galvanized steel bolts are Recommended. 

5. ISOLATION PAD WILL BE PLACED BETWEEN TRANSFORMER AND BOLT. SIZE AND TYPE OF ANCHOR BOLTS WILL BE PROVIDED BY CONTRACTOR.

6. TRANSFORMER MOUNTING DETAIL SHALL BE CONSISTENT WITH MANUFACTURER SPECIFICATIONS.

7. TRANSFORMER MOUNTING DETAIL SHALL BE CONSISTENT WITH MANUFACTURER SPECIFICATIONS.

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31. TRANSFORMER MOUNTING DETAIL SHALL BE CONSISTENT WITH MANUFACTURER SPECIFICATIONS.

32. TRANSFORMER MOUNTING DETAIL SHALL BE CONSISTENT WITH MANUFACTURER SPECIFICATIONS.

33. TRANSFORMER MOUNTING DETAIL SHALL BE CONSISTENT WITH MANUFACTURER SPECIFICATIONS.
AC POWER CORD.

DRAWINGS FOR QUANTITIES.

CONTINUATION OF EQUIPMENT OR LOUDSPEAKER CIRCUITS. REFER TO RJ45 PATCH PANEL CONNECTION.

FEMALE USB CONNECTOR.

MALE ETHERCON CONNECTOR.

FEMALE ETHERCON CONNECTOR.

FEMALE RJ45 CONNECTOR.

FEMALE SPEAKON CONNECTOR.

MALE HDMI CONNECTOR.

MALE HD-15 CONNECTOR.

FEMALE HDMI CONNECTOR.

FEMALE HD-15 CONNECTOR.

BNC JACK.

RCA PHONO PLUG.

RCA PHONO JACK.

LOW VOLTAGE LIGHT EMITTING DIODE, COLOR AS CABINETS UNLESS NOTED OTHERWISE.

SCREW TERMINAL ON BARRIER STRIP. INSTALLED IN TERMINATION AUDIO LINE MATCHING OR BRIDGING TRANSFORMER WITH RATED POWER AMPLIFIER, TYPE AND DETAILS AS INDICATED ON THE DRAWINGS.

LOUDSPEAKER EACH WITH LOUDSPEAKER LINE MATCHING TRANSFORMER AS INDICATED.

COPPER CABLING. CABLE OR SIGNAL TYPE AS INDICATED.

WIRING OVERHEAD OR BEING TRANSPORTED TO THE CEILING.

SOLDER TERMINALS OR ELECTRICAL TAB CONNECTIONS INDEPENDENT OF MAJOR CONDUIT SYSTEM.

16. ALL MOUNTING HEIGHTS ARE TO THE CENTER OF THE BOX.

14. BOXES INDICATED TO BE WALL MOUNTED AT 48" AFF SHALL BE MOUNTED TO MATCH OTHER ELECTRICAL SWITCHES AND CONTROL PLATES.

13. MOUNT WALL BOXES AT 18" AFF TO MATCH ELECTRICAL WALL MOUNTED BOXES, UNLESS OTHERWISE NOTED.

9. CONDUIT ROUTING AND LOCATION OF CONNECTION BOXES SHALL BE PER ELECTRICAL SPECIFICATIONS.

6. CONDUIT FOR MICROPHONE LEVEL CIRCUITS (M) SHALL BE CONSTRUCTED OF FERROUS METAL (EMT OR RIGID).

TRIANGLES INDICATE SURFACE MOUNTED CONNECTIONS

MOUNTING HEIGHT / BOX SIZE

EMPTY SQUARE INDICATES EXISTING BOX.

MOUNTING HEIGHT / BOX SIZE

TRIANGLES INDICATE SURFACE MOUNTED CONNECTIONS

BOX TYPE/DEVICE NAME

PB PULLBOX.

NS AMBIENT NOISE SENSOR CIRCUIT.

M MICROPHONE CIRCUIT.

AC AC POWER CIRCUIT.
AV101A

South Valley Middle School Storm Shelter Addition
Liberty School District
1003 Maple Dr., Liberty, MO 64068

CONSTRUCTION DOCUMENTS

This seal.

Bob D Campbell
Civil Engineer
Bob D Campbell
Structural Engineer
Bob D Campbell
Mechanical, Electrical, & Plumbing

Hollis + Miller Architects
11827 W 112th Street, Suite 200
Surveying #2006027138
State Certificate of Authority #000442

Peerbolte Creative
14827 West 95th St.
660.429.1383 phone
Civil Engineer

MKEC Engineering, Inc.
913.345.2127 phone
Mechanical, Electrical, & Plumbing

Smith & Boucher, Inc.
4338 Belleview Ave
816.531.4144 phone
Structural Engineer

STANDARD SPECIFICATIONS - ADES
Sheet Metal - Finishes - Paint - Wood Finish - Interior Architectural and Lighting Conditions - Interior Finish Schedules - Interior Finish Specifications - Schedule of Interior Premises - Equipment List - Elevation of Equipment - Attic and Ceiling Conditions - First Floor - Second Floor - Attic - Wall Section - Ceiling Section - Section Elevations - Section Details - Stair Details - Roof Details - Door and Window Schedules - Door and Window Details - Door and Window Specifications - Drafting Paper Set - PETE 100694172.CDR

Notes:
1. Construction Documents.
2. This seal.
3. Hollis + Miller Architects
4. Peerbolte Creative
5. MKEC Engineering, Inc.
7. STANDARD SPECIFICATIONS - ADES
8. Sheet Metal - Finishes - Paint - Wood Finish - Interior Architectural and Lighting Conditions - Interior Finish Schedules - Interior Finish Specifications - Schedule of Interior Premises - Equipment List - Elevation of Equipment - Attic and Ceiling Conditions - First Floor - Second Floor - Attic - Wall Section - Ceiling Section - Section Elevations - Section Details - Stair Details - Roof Details - Door and Window Schedules - Door and Window Details - Door and Window Specifications - Hollis + Miller Architects
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Peerbolte Creative
MKEC Engineering, Inc.
Smith & Boucher, Inc.

4/30/2023 11:55:35 AM

Please consider the environment before printing this.
AV BUILDING SECTIONS

AV301

South Valley Middle School Storm Shelter Addition
Liberty School District
1000 Midjay Dr.
Liberty, MO 64068

CONSTRUCTION DOCUMENTS

100% Complete
100% Final

MUSSO & MILLER ARCHITECTS

14827 West 95th St.
Overland Park, KS 66210
660.429.1383 phone
109 E Pine St.
Warrensburg, MO 64093-0752
660.543.2816 phone

Peerbolte Creative
Theatrical Consultant
913.317.9390 phone
Overland Park, KS 66210
11827 W 112th Street, Suite 200

Avant Acoustics
AV/Acoustics Consultant
660.429.1383 phone
Warrensburg, MO 64093-0752
109 E Pine St.

MKEC Engineering, Inc.
Civil Engineer
913.345.2127 phone
Olathe, KS 66061
25618 W 103rd Street

Smith & Boucher, Inc.
Mechanical, Electrical, & Plumbing
816.531.4144 phone
Kansas City, MO 64111
4338 Belleview Ave

Bob D Campbell
Structural Engineer

Hollis + Miller Architects

Missouri State Certificate of Authority

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and this architect expressly disclaims any and all responsibility for such plan, drawings, or documents not exhibiting
this seal.

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sheets not exhibiting this seal.

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AV BUILDING SECTIONS

# Description Date
South Valley Middle School Storm Shelter Addition 08.31.2023

AV301

AV Building Section - E-W

AV Building Section - N-S On Stage

AV Building Section - N-S
PROVIDE NFPA 13 COMPLIANT SPRINKLER SYSTEM FOR THE ADDITION. CAREFULLY COORDINATE ALL SPRINKLER HEAD TYPES, COLOR, AND EXPOSED PIPING LOCATIONS WITH ARCHITECT FOR DESIRED AESTHETICS OF THE SPACES PRIOR TO INSTALLATION.

REFER TO ARCHITECTURAL RCP LAYOUT FOR CEILING TYPES AND SPACES OPEN TO STRUCTURE. GYP. CEILINGS REQUIRE CONCEALED HEADS WITH COVER. WHITE COLOR FOR WHITE CEILINGS. PROVIDE CUSTOM COLOR BY ARCHITECT. WOOD AND OTHER SPECIALTY CEILINGS SHALL USE CONCEALED HEADS WITH CUSTOM FINISH BY ARCHITECT. ACT CEILINGS PROVIDE SEMI-RECESSED PENDANT HEADS.

REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. CAREFULLY COORDINATE PIPE ROUTING WITH STRUCTURE AS WELL AS ALL OTHER TRADES TO MAINTAIN EQUIPMENT CLEARANCES AND DESIRED CEILING HEIGHTS. COORDINATE ALL PIPING PENETRATIONS WITH STRUCTURAL PRIOR TO CORE DRILLING. PROVIDE FIRESTOPPING AT PENETRATIONS OF ALL RATED WALLS. REFER TO CODE PLANS FOR LOCATIONS OF RATED WALLS. PROVIDE ICC 500 PROTECTION SHROUD FOR ALL PENETRATIONS OF THE ICC 500 SHELTER WALLS.

PROVIDE SPRINKLER SYSTEM FOR BUILDING ADDITION PER NFPA 13 REQUIREMENTS. PROVIDE ALL NECESSARY ACCESSORIES AND REQUIREMENTS FOR NEW ZONE. CONNECT TO THE EXISTING FIRE PROTECTION SYSTEM. MODIFY THE EXISTING SPRINKLER SYSTEM AS REQUIRED TO ACCOMMODATE ROOM AND CEILING CHANGES. EXISTING CEILINGS ARE BEING REPLACED. UNINSTALL THE EXISTING CEILING MOUNTED SPRINKLER HEADS AND REINSTALL IN NEW CEILINGS. MODIFY THE EXISTING SPRINKLER SYSTEM AS REQUIRED TO ACCOMMODATE ROOM AND CEILING CHANGES. COORDINATE ALL PIPE ROUTING AND SPRINKLER LOCATIONS WITH ARCHITECT AND THEATRICAL COMPONENTS.
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A1
RIGGING PLAN

23019
Liberty Public Schools
South Valley Middle School Storm Shelter Addition
1000 Midjay Dr, Liberty, MO 64068

08.31.2023
CONSTRUCTION DOCUMENTS

Please consider the environment before printing this.
<table>
<thead>
<tr>
<th>RIGGING SCHEDULE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TH101</strong></td>
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<tr>
<td>8'</td>
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</tbody>
</table>

**Notes:**

- This schedule is for reference only. Actual rigging and setups may vary.
- Please consult the site plan and field conditions for exact rigging details.
- This schedule is subject to change without notice.

**Rigging Details:**

- Sockets: 50W, 150W, 300W, 500W
- Cables: SWA, SJP, SWP, SJPB
- Connectors: SC, ST, SC, ST
- Ship to: TH101
- Wall Mount: 250W

**Suppliers:**

- Peerbolte Creative
- Warrensburg, MO, 64093
- Phone (660) 429-1383
- www.peerbolte.com

- Smith & Boucher, Inc.
- Mechanical, Electrical, & Plumbing
- Olathe, KS 66061
- Phone (913) 345-2127

- MKEC Engineering, Inc.
- Civil Engineer
- Engineering #2001009364
- Landscaping #2006027139
- Surveying #2006027138
- Overland Park, KS 66210
- Phone (913) 317-9390

- Avant Acoustics
- AV/Acoustics Consultant
- Lenexa, KS 66215
- Phone (913) 888-9111

**Construction Documents:**

- Sheet A1
- RIGGING SCHEDULE

**Scale:**

- 1" = 20'
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SHEET KEYNOTE LEGEND

A1  AUDITORIUM SECTION

H1  STAGE LEFT ELEVATION

H9  STAGE RIGHT ELEVATION

TH130  THEATRICAL SECTIONS AND ELEVATIONS