

RAYTOWN HIGH SCHOOL RENOVATION

Raytown Quality Schools

6019 Blue Ridge Blvd
Raytown, MO 64133

100% CONSTRUCTION DOCUMENTS

we design the future®
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Missouri State Certificate of Authority
Architecture # 02000161
Structural # 200603133

Smith & Boucher Inc.
MEP ENGINEERING
State Certificate of Authority #EGC-0001787
25618 W 103rd St
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hollis + miller architects®
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INDEX OF DRAWINGS

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G000 COVER SHEET

G021 CODE SITE PLAN/OVERALL CODE PLAN

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E301 ONE-LINE DIAGRAM - ELECTRICAL

ALTERNATES

ALTERNATE: ALTERNATE INCLUDES ALL LABOR, MATERIALS, EQUIPMENT AND APPURTENANCES NECESSARY TO PROVIDE NEW RESINOUS EPOXY FLOORING AND INTEGRAL BASE AT THE KITCHEN AND SERVING AREA AS INDICATED ON SHEET A100.

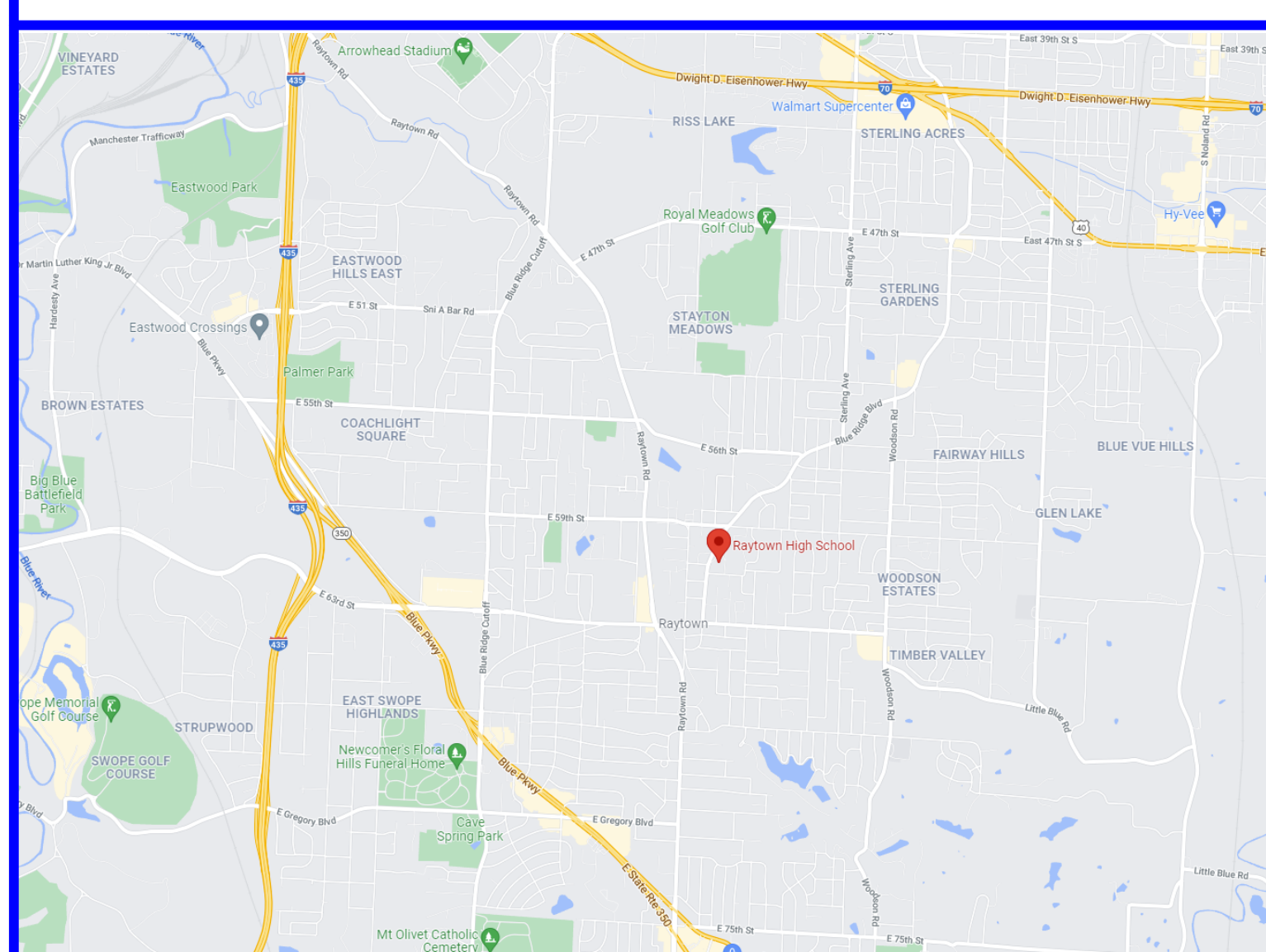
BASE BID: CAFETERIA RESINOUS EPOXY FLOORING AND WALL BASE TO BE RENOVATED AND RECOVERED; EXISTING KITCHEN AND SERVING AREA AND WALL BASE TO REMAIN.

DESIGN TEAM

ARCHITECT:
Hollis + Miller Architects
1828 Walnut Street Ste 922
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CONTACT: Sandy Cochran
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FAX: 816.599.2545

MECH/ELECT ENGINEER:
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PHONE: 913.345.2127
FAX: 913.345.0617

VICINITY MAP

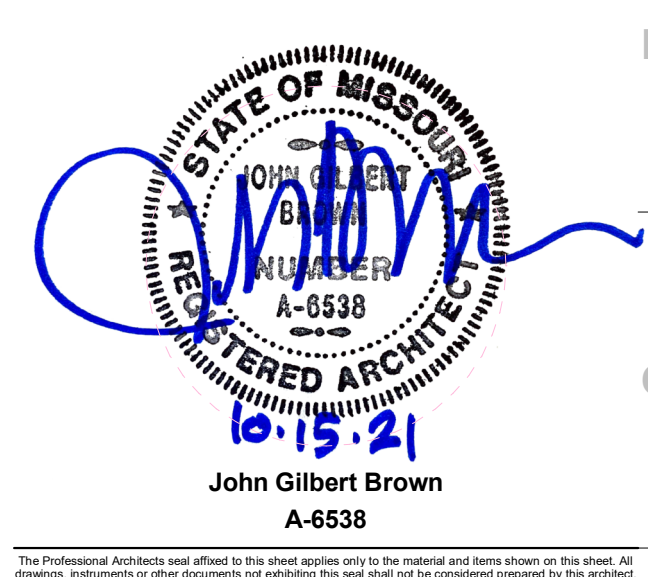


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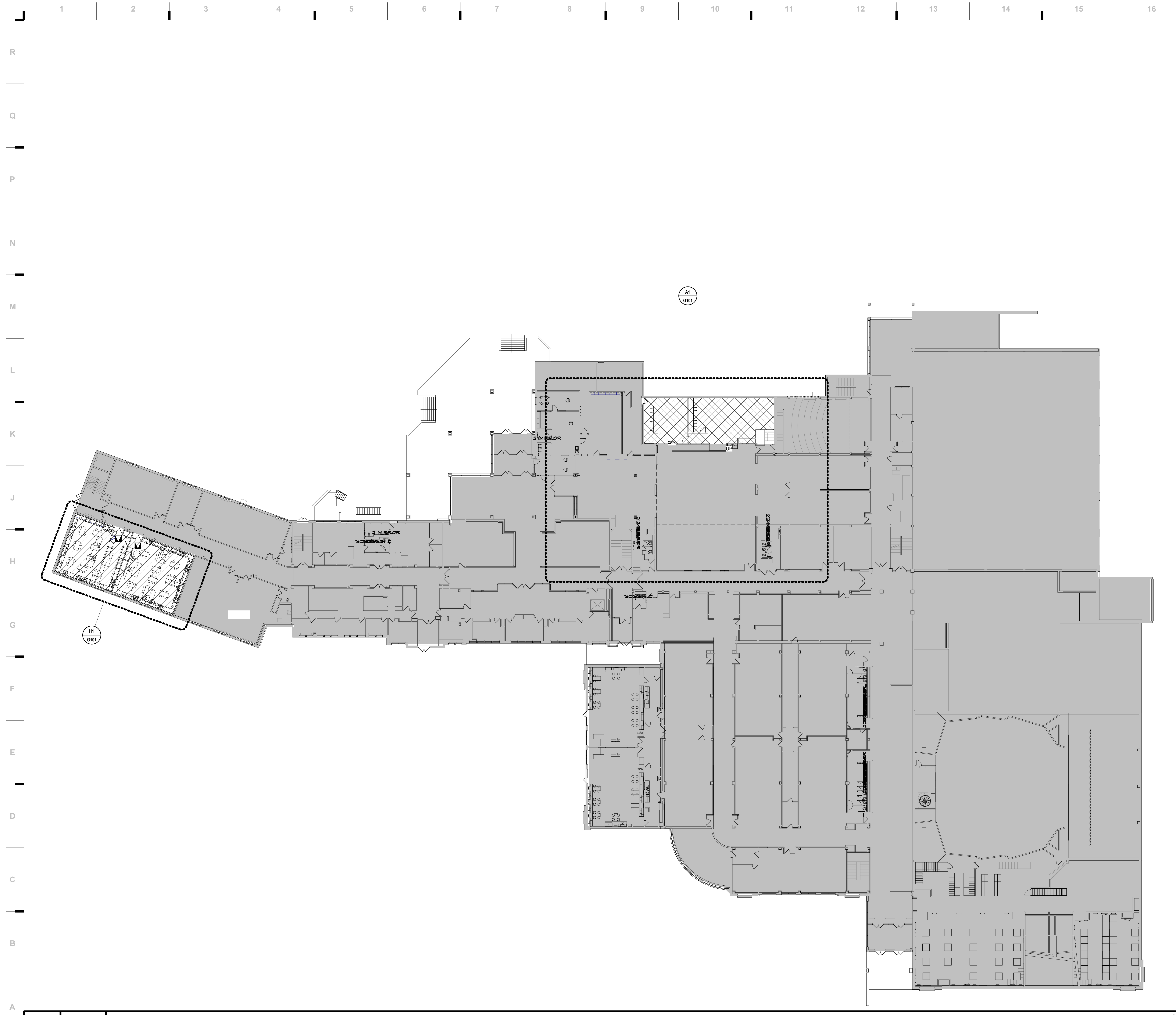
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DRAWN BY: SEES/SB
CHECKED BY: SB
DATE: 10.15.2021

G000



- S:0 SMOKE PARTITION: NON-RATED
- 1S:20 1 HOUR SMOKE BARRIER W/20 MIN DOORS
- 30:20 30 MINUTE FIRE PARTITION W/ 20 MIN DOORS
- 1:20 1 HOUR FIRE PARTITION W/20 MIN DOORS
- 1:FP 1 HOUR FIRE PARTITION W/45 MIN DOORS
- 1:45 1 HOUR FIRE BARRIER W/45 MIN DOORS
- 1:60 1 HOUR FIRE BARRIER W/60 MIN DOORS
- 2:FB 2 HOUR FIRE BARRIER W/90 MIN DOORS
- 3:FB 3 HOUR FIRE BARRIER W/3 HOUR DOORS
- 4:FB 4 HOUR FIRE BARRIER W/3 HOUR DOORS
- 2:FW 2 HOUR FIRE WALL W/90 MIN DOORS
- 3:FW 3 HOUR FIRE WALL W/3 HOUR DOORS
- 4:FW 4 HOUR FIRE WALL W/3 HOUR DOORS

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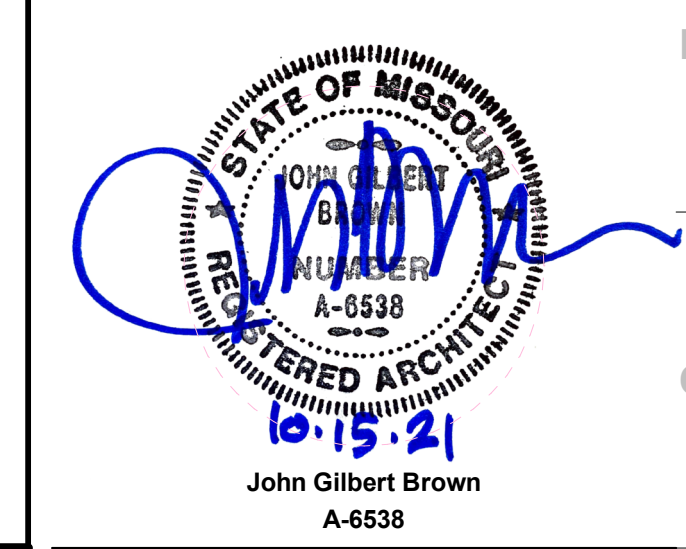
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G021

CODE LEGEND

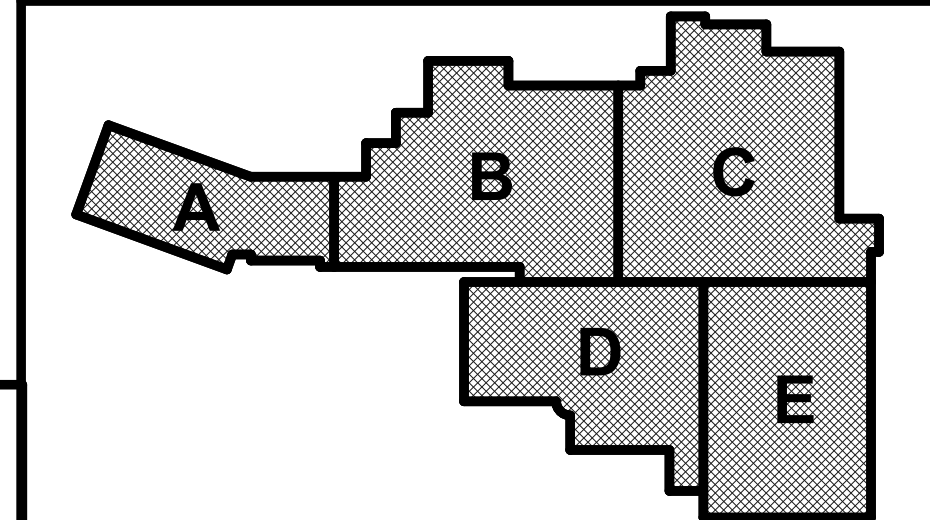
- 1:20 1:20 1:20 1:20 1:20
1 HOUR FIRE PARTITION W/ 20 MIN DOORS
- 1:45 1:45 1:45 1:45 1:45
1 HOUR FIRE BARRIER W/ 45 MIN. DOORS
- 2:FB 2:FB 2:FB 2:FB 2:FB
2 HOUR FIRE BARRIER W/ 90 MIN DOORS
- 2:FW 2:FW 2:FW 2:FW 2:FW
2 HOUR FIRE WALL W/ 90 MIN DOORS

- HIGH WIND AREA
- NEW ADDITION
- EXISTING BUILDING - NO WORK
- EXISTING BUILDING - ALTERATION LEVEL 1 ALTERATIONS DO NOT INVOLVE SPACE RECONFIGURATION
- EXISTING BUILDING - ALTERATION LEVEL 2 SPACE RECONFIGURATION DOES NOT EXCEED 50% OF THE BUILDING AREA
- EXISTING BUILDING - ALTERATION LEVEL 3 SPACE RECONFIGURATION COVERS MORE THAN 50% OF THE BUILDING AREA

- FIRE HYDRANT
- FIRE DEPARTMENT CONNECTION
- FIRE ALARM CONTROL PANEL
- FIRE DEPARTMENT ACCESS (KNOX BOX)
- FIRE EXTINGUISHER: ON BRACKET; MOUNT HANDLE 48" MAX AFF IN CABINET; BOTTOM OF CABINET 32" AFF

- EXIT COMPONENT
- CAPACITY
- ACTUAL OCCUPANT LOAD
- OCCUPANT COUNT @ ROOM EXIT
- OCCUPANT SUM
- TRAVEL DISTANCE

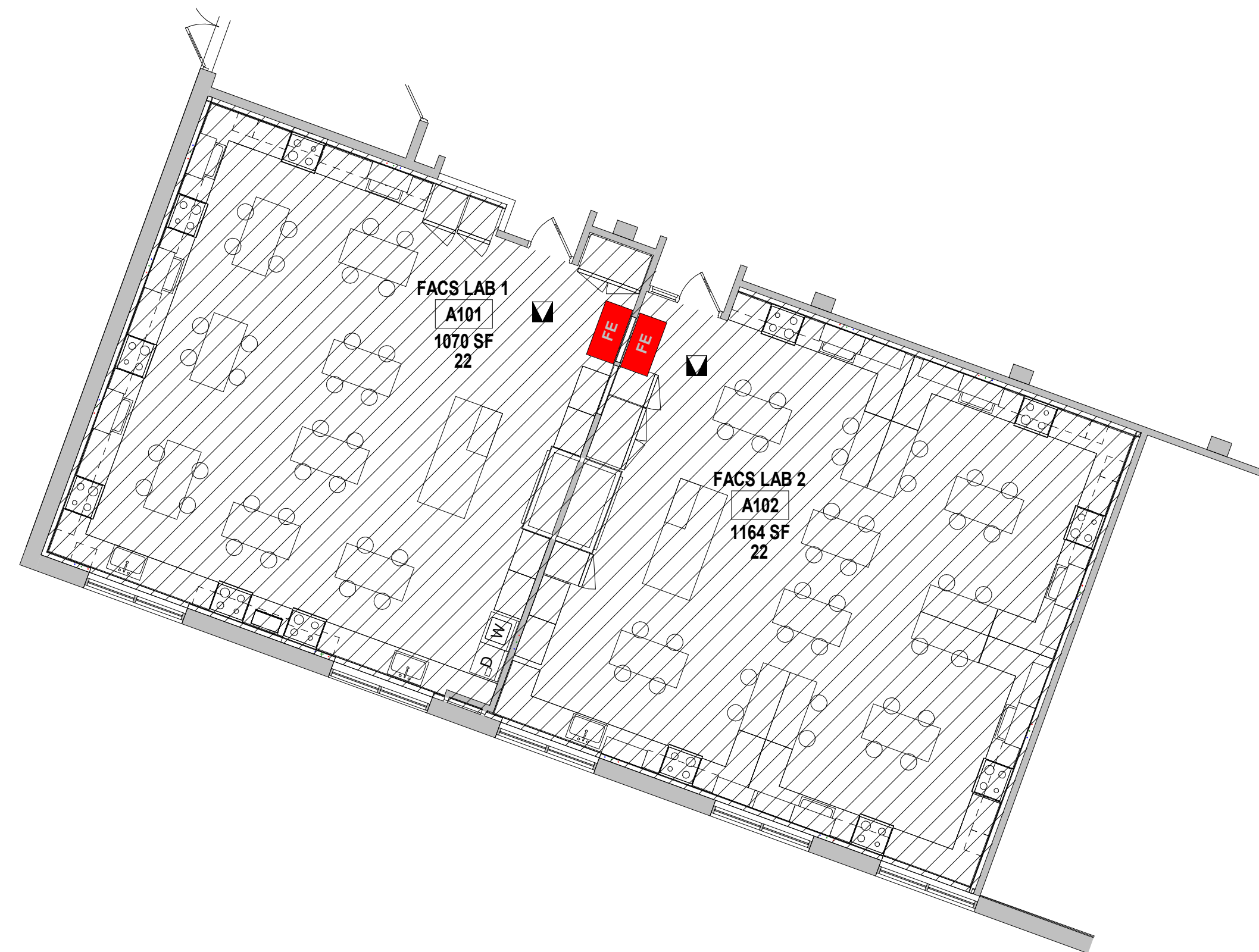
KEY PLAN



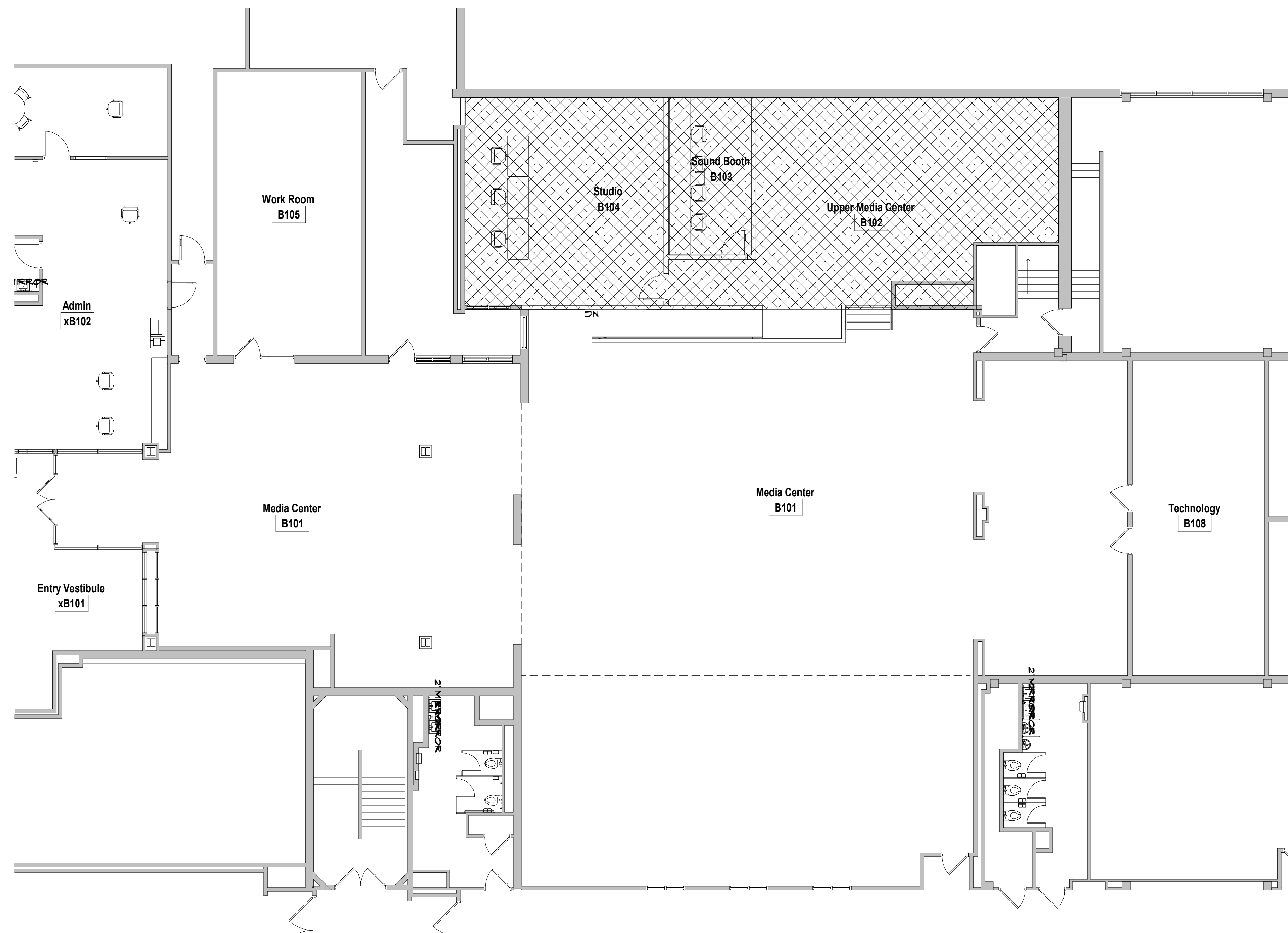
A1 Scale Overall Code Plan - Level 1
 1" = 20'-0"

Code BLDG 1 Occupant Load Table

Rm No	Room Name	Function of Space	Area (SF)	Occupant Load Factor	Space Occupant Load
A101	FACS LAB 1	Educational Shops & other Vocational	1070 SF	50 SF	22
A102	FACS LAB 2	Educational Shops & other Vocational	1164 SF	50 SF	24
Overall - Floor Plan - Area Plans					46
Total Building Occupant Load					46



H1 Scale 1/8" = 1'-0" Enlarged Code Plan - FACS



A1 Scale 1/8" = 1'-0" Enlarged Code Plan - Media Center

CODE LEGEND

- 1:20 — 1:20 — 1:20 — 1:20 — 1:20
- 1 HOUR FIRE PARTITION W/ 20 MIN DOORS
- 1:45 — 1:45 — 1:45 — 1:45 — 1:45
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- 2 HOUR FIRE WALL W/ 90 MIN DOORS

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- EXISTING BUILDING - ALTERATION LEVEL 3 SPACE RECONFIGURATION COVERS MORE THAN 50% OF THE BUILDING AREA

- FH FIRE HYDRANT
- FDC FIRE DEPARTMENT CONNECTION
- FACP FIRE ALARM CONTROL PANEL
- FDA FIRE DEPARTMENT ACCESS (KNOX BOX)
- FE FIRE EXTINGUISHER: ON BRACKET; MOUNT HANDLE 48" MAX AFF IN CABINET; BOTTOM OF CABINET 32" AFF
- EXIT COMPONENT
- 123 / 345 CAPACITY
- 123 ACTUAL OCCUPANT LOAD
- 123 OCCUPANT COUNT @ ROOM EXIT
- 456 OCCUPANT SUM
- 131'-6" TRAVEL DISTANCE

CODE LEGEND

- 1:20 — 1:20 — 1:20 — 1:20 — 1:20
- 1 HOUR FIRE PARTITION W/ 20 MIN DOORS
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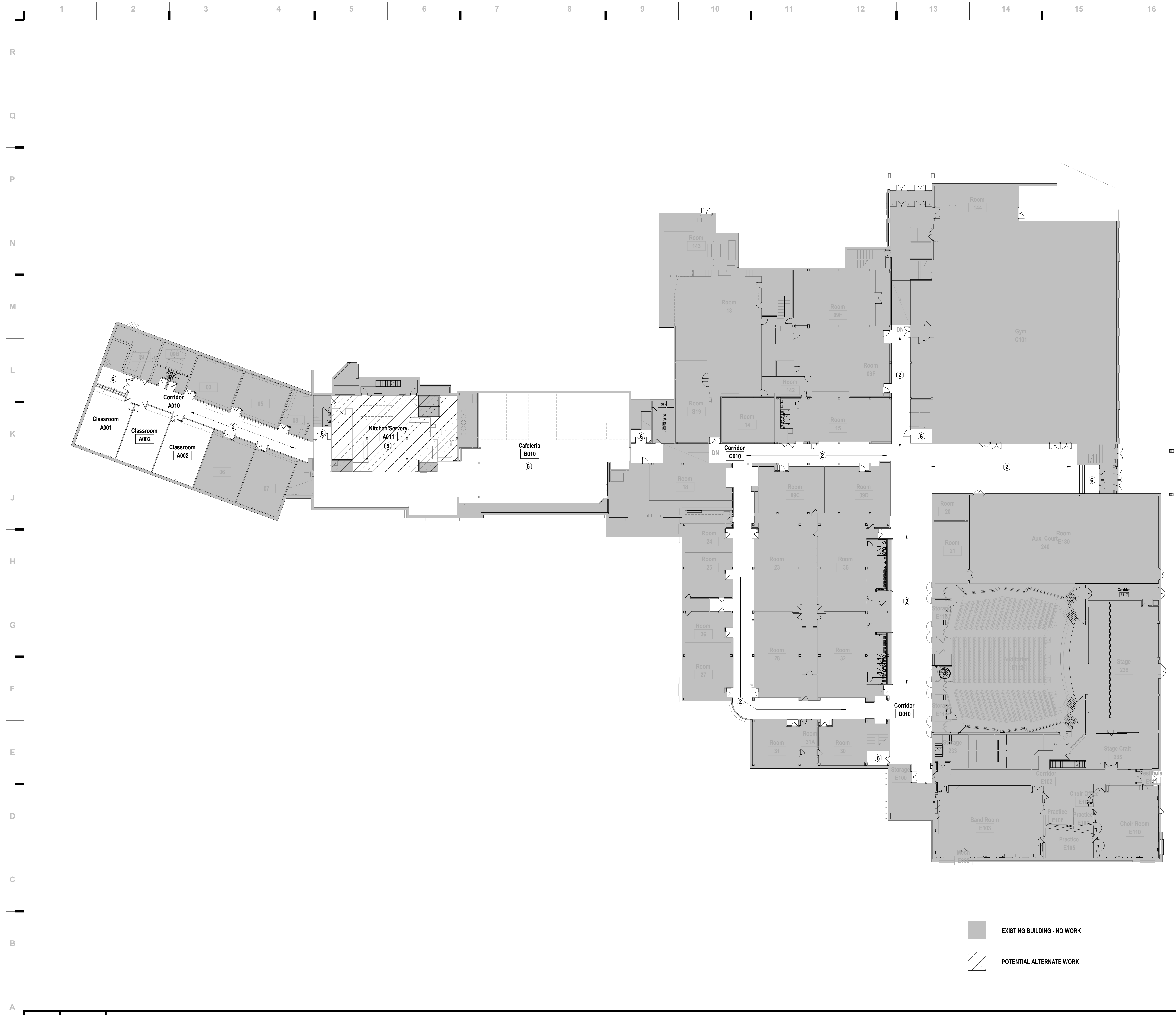
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John Gilbert Brown
A-6538

This Professional Seal and Stamp is the legal approval of the engineer and shall be used only for the project and shall not be used for any other project. It is the responsibility of the engineer to ensure that the seal and stamp are properly placed on the drawings. The seal and stamp are not valid if they are not used in accordance with the rules and regulations of the State of Missouri.

JOB NO: 21010.00
DRAWN BY: SE
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DATE: 10.15.2021

G101



DEMOLITION NOTES

FLOORS & BASE

- ① REMOVE EXISTING CARPET AND BASE INCLUDING ADHESIVE
- ② REMOVE EXISTING VINYL COMPOSITION TILE (VCT) AND BASE INCLUDING ADHESIVE
- ③ REMOVE EXISTING RUBBER TILE INCLUDING ADHESIVE.
- ④ REMOVE EXISTING CONCRETE SLAB AS REQUIRED FOR UNDER SLAB MECHANICAL, ELECTRICAL AND PLUMBING WORK. SAW CUT CONCRETE PRIOR TO REMOVAL. DO NOT SAW CUT INTO EXISTING FOUNDATIONS OR OTHER STRUCTURAL MEMBERS. COORDINATE WITH MEP SHEETS FOR NEW WORK AND CAPPING OF ABANDONED SERVICES
- ⑤ PREPARE EXISTING FLOORING FOR NEW RESINOUS EPOXY FLOOR TOPPING, INCLUDING LEVELING, SCRAPING AND GRINDING LOOSENON-ADHERED SECTIONS AS REQUIRED. RE: ALTERNATE #1 SHEET G000; RE: SPEC 096723
- ⑥ REMOVE EXISTING VINYL COMPOSITION TILE (VCT) AT STAIR LANDINGS. EXISTING RUBBER TREADS AND RUBBER LANDING PADS TO REMAIN.
- ⑦ REMOVE EXISTING VINYL COMPOSITION TILE (VCT) AT VESTIBULES. REMOVE EXISTING WALK OFF MATS. MAINTAIN EXISTING METAL TRACK WHERE APPLICABLE. REPLACE AS NEEDED. PREP DEPRESSED SLAB FOR NEW WALK OFF CARPET

WALLS

- ① REMOVE ALL/PORTION OF EXISTING CMU WALL. COORDINATE EXTENTS OF REMOVAL WITH NEW CONSTRUCTION AND REMOVAL/REROUTING OF CONDUIT, WIRING, SWITCHES AND DUCTWORK WITH MEP DRAWINGS.
- ② REMOVE ALL/PORTION OF EXISTING METAL STUD AND GYPSUM BOARD WALL. COORDINATE EXTENTS OF REMOVAL WITH NEW CONSTRUCTION AND REMOVAL/REROUTING OF CONDUIT, WIRING, SWITCHES AND DUCTWORK WITH MEP DRAWINGS.
- ③ REMOVE EXISTING ALUMINUM OR HOLLOW METAL FRAME, DOOR AND ALL RELATED HARDWARE.
- ④ REMOVE EXISTING CASEWORK (COUNTERTOP, BASE CABINETS AND UPPER CABINETS) AND ALL PLUMBING FIXTURES. REFER TO MEP SHEETS FOR EXISTING PLUMBING AND ELECTRICAL CONDUIT TO BE CAPPED
- ⑤ REMOVE EXISTING CASEWORK (COUNTERTOP, BASE CABINETS AND UPPER CABINETS) AND SALVAGE TO OWNER.
- ⑥ REMOVE EXISTING MARKERBOARDS, CHALKBOARDS, TACKBOARDS/TACKWALL INCLUDING ADHESIVE AND BRACKETS.
- ⑦ REMOVE EXISTING MARKERBOARDS, CHALKBOARDS, TACKBOARDS/TACKWALL INCLUDING BRACKETS AND CAREFULLY STORE FOR REINSTALLATION.
- ⑧ REMOVE EXISTING APPLIANCES AND SALVAGE TO OWNER.
- ⑨ WASHER AND DRYER TO BE CAREFULLY STORED FOR REINSTALLATION.
- ⑩ REMOVE EXISTING WINDOW SEALANT AROUND FRAME PERIMETER AND PREP FOR NEW. EXISTING WINDOW TO REMAIN.
- ⑪ REMOVE EXISTING STEEL LINTEL. CAREFULLY REMOVE EXISTING WINDOW FOR REINSTALLATION.
- ⑫ REMOVE ALL PAINT, RUST, AND CORROSION FROM EXISTING LINTEL.
- ⑬ REMOVE EXISTING ALUMINUM OR HOLLOW METAL FRAMED GLAZING SYSTEM. AT EXISTING EXTERIOR WINDOWS, EXISTING WOOD CASEMENT FRAME TO REMAIN EXCEPT WHERE EXISTING WOOD FRAME HAS DETERIORATED. VERIFY IN FIELD
- ⑭ REMOVE EXISTING ALUMINUM OR HOLLOW METAL FRAMED GLAZING SYSTEM. REMOVE ALL PORTIONS OF WOOD SILLS AT EXISTING EXTERIOR WINDOWS AND PREP FOR NEW SILL.

GENERAL DEMOLITION NOTES

1. DEMOLITION INCLUDES THE REMOVAL OF EXISTING CONSTRUCTION WHICH CONFLICTS WITH WORK TO BE BUILT/INSTALLED IN NEW CONSTRUCTION. TRANSITIONS BETWEEN DEMOLITION AND EXISTING TO REMAIN TO BE CAREFULLY COORDINATED
2. DASHED LINES INDICATE EXISTING CONSTRUCTION TO BE DEMOLISHED/REMOVED
3. HALF-TONE SHADING INDICATES EXISTING CONSTRUCTION TO REMAIN
4. EVERY DETAIL OF THE DEMOLITION WORK MAY NOT BE COVERED ON THESE DRAWINGS, BUT THE DEMOLITION CONTRACTOR SHALL COORDINATE WITH THE GC/CM TO ENSURE ALL REQUIRED ITEMS ARE REMOVED IN ORDER FOR NEW WORK TO BE COMPLETED
5. IN AREAS SCHEDULED FOR DEMOLITION, ALL ACCESSORIES ATTACHED TO THE CEILINGS, FLOOR AND WALLS ARE TO BE REMOVED, INCLUDING BRACKETS, SCREWS, SIGNAGE, SURFACE MOUNTED ELECTRICAL AND TECHNOLOGY; REMOVE ALL WINDOW COVERINGS, MINI-BLINDS, ROLLER SHADES AND ALL BRACKETS
6. THE OWNER WILL IDENTIFY ALL ITEMS TO BE SALVAGED PRIOR DEMOLITION STARTING. CONTRACTOR SHALL SALVAGE AND TURN OVER TO THE OWNER ALL EQUIPMENT IDENTIFIED. ALL REMAINING ITEMS SHALL BE REMOVED BY THE DEMOLITION CONTRACTOR
7. REFER TO MEP DEMOLITION SHEETS FOR EXISTING MECHANICAL, ELECTRICAL AND PLUMBING TO BE REMOVED
8. DEMOLITION AND PROPOSED RENOVATIONS ARE DOCUMENTED BASED ON VISUAL OBSERVATIONS AND EXISTING BUILDING DOCUMENTATION. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO VERIFY EXISTING CONDITIONS IN THE FIELD PRIOR TO THE COMMENCEMENT OF WORK

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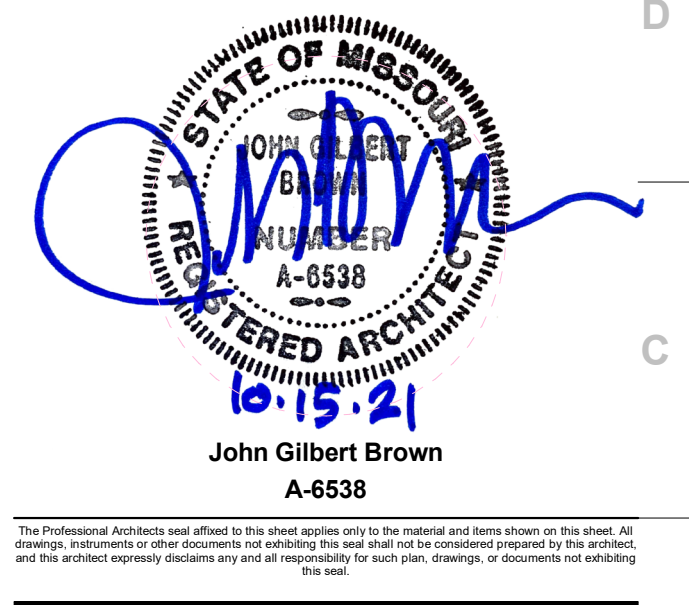
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DA100



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WALLS

- ① REMOVE ALL/PORTION OF EXISTING CMU WALL. COORDINATE EXTENTS OF REMOVAL WITH NEW CONSTRUCTION AND REMOVAL/REROUTING OF CONDUIT, WIRING, SWITCHES AND DUCTWORK WITH MEP DRAWINGS.
- ② REMOVE ALL/PORTION OF EXISTING METAL STUD AND GYPSUM BOARD WALL. COORDINATE EXTENTS OF REMOVAL WITH NEW CONSTRUCTION AND REMOVAL/REROUTING OF CONDUIT, WIRING, SWITCHES AND DUCTWORK WITH MEP DRAWINGS.
- ③ REMOVE EXISTING ALUMINUM OR HOLLOW METAL FRAME, DOOR AND ALL RELATED HARDWARE.
- ④ REMOVE EXISTING CASEWORK (COUNTERTOP, BASE CABINETS AND UPPER CABINETS) AND ALL PLUMBING FIXTURES. REFER TO MEP SHEETS FOR EXISTING PLUMBING AND ELECTRICAL CONDUIT TO BE CAPPED
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- ⑭ REMOVE EXISTING ALUMINUM OR HOLLOW METAL FRAMED GLAZING SYSTEM. REMOVE ALL PORTIONS OF WOOD SILLS AT EXISTING EXTERIOR WINDOWS AND PREP FOR NEW SILL.

GENERAL DEMOLITION NOTES

- 1. DEMOLITION INCLUDES THE REMOVAL OF EXISTING CONSTRUCTION WHICH CONFLICTS WITH WORK TO BE BUILT/INSTALLED IN NEW CONSTRUCTION. TRANSITIONS BETWEEN DEMOLITION AND EXISTING TO REMAIN TO BE CAREFULLY COORDINATED
- 2. DASHED LINES INDICATE EXISTING CONSTRUCTION TO BE DEMOLISHED/REMOVED
- 3. HALF-TONE SHADING INDICATES EXISTING CONSTRUCTION TO REMAIN
- 4. EVERY DETAIL OF THE DEMOLITION WORK MAY NOT BE COVERED ON THESE DRAWINGS, BUT THE DEMOLITION CONTRACTOR SHALL COORDINATE WITH THE GC/CM TO ENSURE ALL REQUIRED ITEMS ARE REMOVED IN ORDER FOR NEW WORK TO BE COMPLETED
- 5. IN AREAS SCHEDULED FOR DEMOLITION, ALL ACCESSORIES ATTACHED TO THE CEILINGS, FLOOR AND WALLS ARE TO BE REMOVED, INCLUDING BRACKETS, SCREWS, SIGNAGE, SURFACE MOUNTED ELECTRICAL AND TECHNOLOGY; REMOVE ALL WINDOW COVERINGS, MINI-BLINDS, ROLLER SHADES AND ALL BRACKETS
- 6. THE OWNER WILL IDENTIFY ALL ITEMS TO BE SALVAGED PRIOR DEMOLITION STARTING. CONTRACTOR SHALL SALVAGE AND TURN OVER TO THE OWNER ALL EQUIPMENT IDENTIFIED. ALL REMAINING ITEMS SHALL BE REMOVED BY THE DEMOLITION CONTRACTOR
- 7. REFER TO MEP DEMOLITION SHEETS FOR EXISTING MECHANICAL, ELECTRICAL AND PLUMBING TO BE REMOVED
- 8. DEMOLITION AND PROPOSED RENOVATIONS ARE DOCUMENTED BASED ON VISUAL OBSERVATIONS AND EXISTING BUILDING DOCUMENTATION. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO VERIFY EXISTING CONDITIONS IN THE FIELD PRIOR TO THE COMMENCEMENT OF WORK

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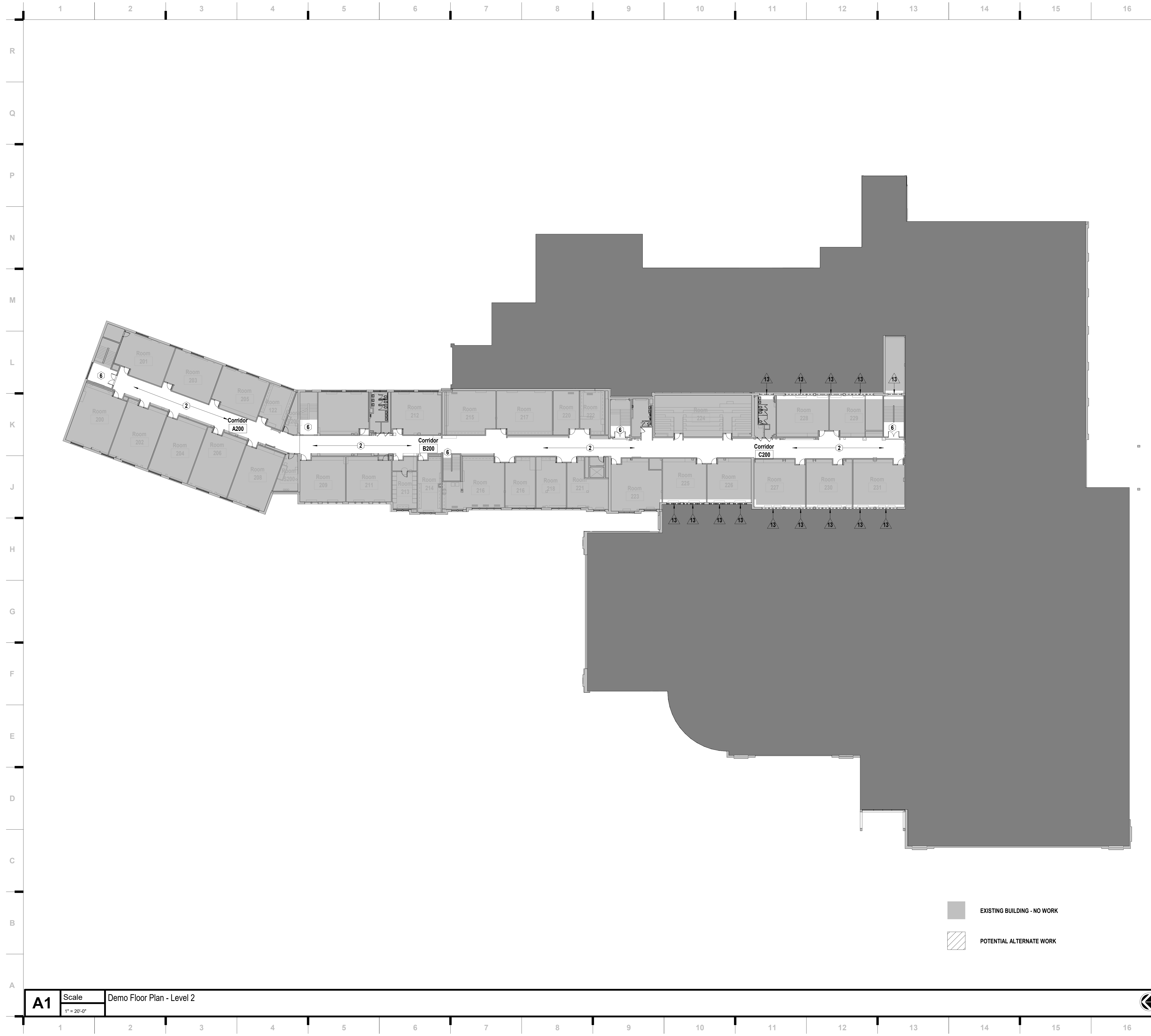


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DA101

A1 Scale 1/8" = 1'-0" Demo Floor Plan - Level 1 - FACS Room

A8 Scale 1" = 20'-0" Demo Floor Plan - Level 1



DEMOLITION NOTES

FLOORS & BASE

- ① REMOVE EXISTING CARPET AND BASE INCLUDING ADHESIVE
- ② REMOVE EXISTING VINYL COMPOSITION TILE (VCT) AND BASE INCLUDING ADHESIVE
- ③ REMOVE EXISTING RUBBER TILE INCLUDING ADHESIVE.
- ④ REMOVE EXISTING CONCRETE SLAB AS REQUIRED FOR UNDER SLAB MECHANICAL, ELECTRICAL AND PLUMBING WORK. SAW CUT CONCRETE PRIOR TO REMOVAL. DO NOT SAW CUT INTO EXISTING FOUNDATIONS OR OTHER STRUCTURAL MEMBERS. COORDINATE WITH MEP SHEETS FOR NEW WORK AND CAPPING OF ABANDONED SERVICES
- ⑤ PREPARE EXISTING FLOORING FOR NEW RESINOUS EPOXY FLOOR TOPPING, INCLUDING LEVELING, SCRAPING AND GRINDING LOOSENON-ADHERED SECTIONS AS REQUIRED. RE: ALTERNATE #1 SHEET G000; RE: SPEC 096723
- ⑥ REMOVE EXISTING VINYL COMPOSITION TILE (VCT) AT STAIR LANDINGS. EXISTING RUBBER TREADS AND RUBBER LANDING PADS TO REMAIN.
- ⑦ REMOVE EXISTING VINYL COMPOSITION TILE (VCT) AT VESTIBULES. REMOVE EXISTING WALK OFF MATS. MAINTAIN EXISTING METAL TRACK WHERE APPLICABLE. REPLACE AS NEEDED. PREP DEPRESSED SLAB FOR NEW WALK OFF CARPET

WALLS

- ① REMOVE ALL/PORTION OF EXISTING CMU WALL. COORDINATE EXTENTS OF REMOVAL WITH NEW CONSTRUCTION AND REMOVAL/ROUTING OF CONDUIT, WIRING, SWITCHES AND DUCTWORK WITH MEP DRAWINGS.
- ② REMOVE ALL/PORTION OF EXISTING METAL STUD AND GYPSUM BOARD WALL. COORDINATE EXTENTS OF REMOVAL WITH NEW CONSTRUCTION AND REMOVAL/ROUTING OF CONDUIT, WIRING, SWITCHES AND DUCTWORK WITH MEP DRAWINGS.
- ③ REMOVE EXISTING ALUMINUM OR HOLLOW METAL FRAME, DOOR AND ALL RELATED HARDWARE.
- ④ REMOVE EXISTING CASEWORK (COUNTERTOP, BASE CABINETS AND UPPER CABINETS) AND ALL PLUMBING FIXTURES. REFER TO MEP SHEETS FOR EXISTING PLUMBING AND ELECTRICAL CONDUIT TO BE CAPPED
- ⑤ REMOVE EXISTING CASEWORK (COUNTERTOP, BASE CABINETS AND UPPER CABINETS) AND SALVAGE TO OWNER.
- ⑥ REMOVE EXISTING MARKERBOARDS, CHALKBOARDS, TACKBOARDS/TACKWALL INCLUDING ADHESIVE AND BRACKETS.
- ⑦ REMOVE EXISTING MARKERBOARDS, CHALKBOARDS, TACKBOARDS/TACKWALL INCLUDING BRACKETS AND CAREFULLY STORE FOR REINSTALLATION.
- ⑧ REMOVE EXISTING APPLIANCES AND SALVAGE TO OWNER.
- ⑨ WASHER AND DRYER TO BE CAREFULLY STORED FOR REINSTALLATION.
- ⑩ REMOVE EXISTING WINDOW SEALANT AROUND FRAME PERIMETER AND PREP FOR NEW. EXISTING WINDOW TO REMAIN.
- ⑪ REMOVE EXISTING STEEL LINTEL. CAREFULLY REMOVE EXISTING WINDOW FOR REINSTALLATION.
- ⑫ REMOVE ALL PAINT, RUST, AND CORROSION FROM EXISTING LINTEL.
- ⑬ REMOVE EXISTING ALUMINUM OR HOLLOW METAL FRAMED GLAZING SYSTEM. AT EXISTING EXTERIOR WINDOWS, EXISTING WOOD CASEMENT FRAME TO REMAIN EXCEPT WHERE EXISTING WOOD FRAME HAS DETERIORATED. VERIFY IN FIELD
- ⑭ REMOVE EXISTING ALUMINUM OR HOLLOW METAL FRAMED GLAZING SYSTEM. REMOVE ALL PORTIONS OF WOOD SILLS AT EXISTING EXTERIOR WINDOWS AND PREP FOR NEW SILL.

GENERAL DEMOLITION NOTES

1. DEMOLITION INCLUDES THE REMOVAL OF EXISTING CONSTRUCTION WHICH CONFLICTS WITH WORK TO BE BUILT/INSTALLED IN NEW CONSTRUCTION. TRANSITIONS BETWEEN DEMOLITION AND EXISTING TO REMAIN TO BE CAREFULLY COORDINATED
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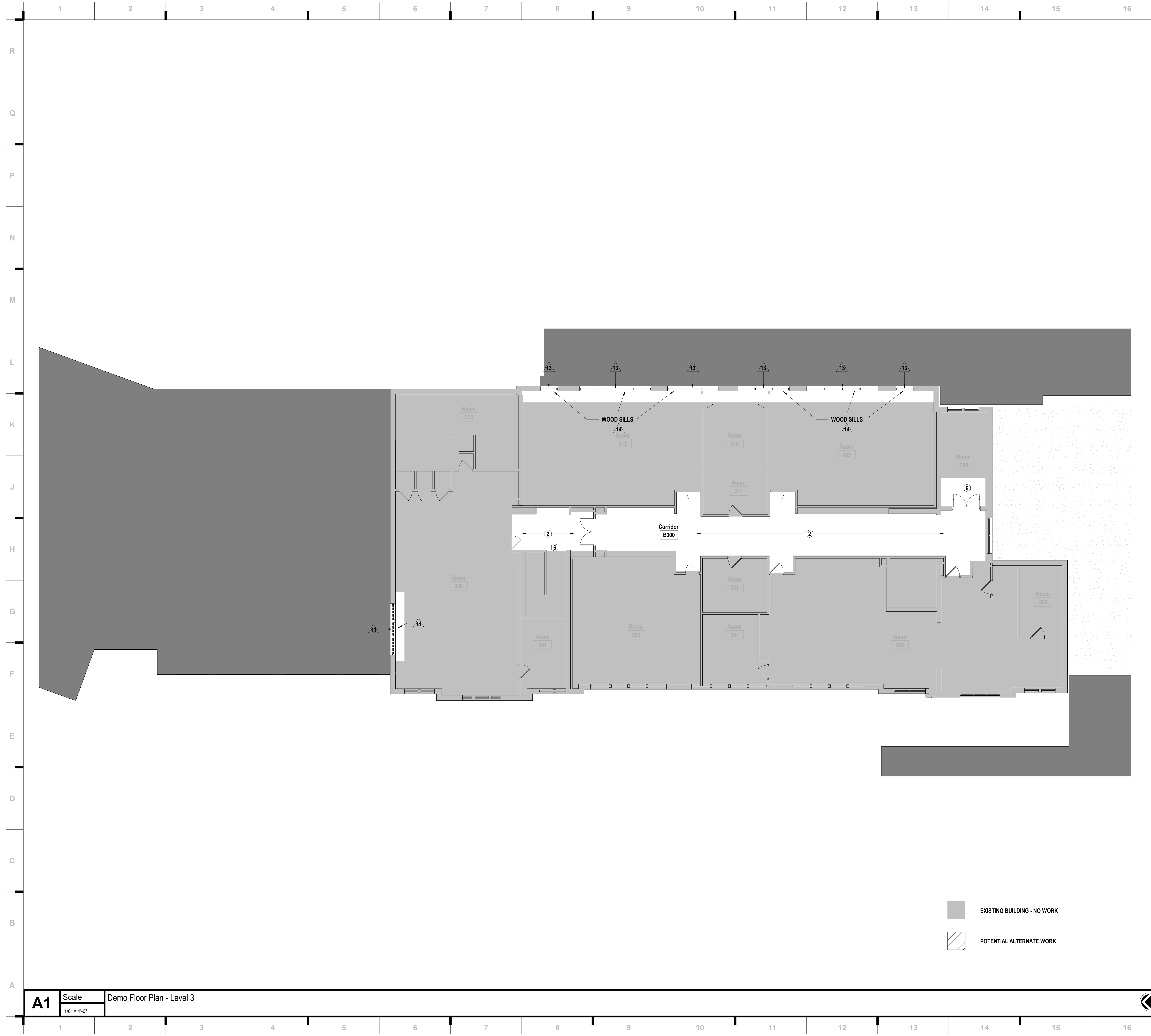
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DA102

A1 Scale Demo Floor Plan - Level 2
1" = 20'-0"



DEMOLITION NOTES

FLOORS & BASE

- ① REMOVE EXISTING CARPET AND BASE INCLUDING ADHESIVE
- ② REMOVE EXISTING VINYL COMPOSITION TILE (VCT) AND BASE INCLUDING ADHESIVE
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- ② REMOVE ALL PORTION OF EXISTING METAL STUD AND GYPSUM BOARD WALL. COORDINATE EXTENTS OF REMOVAL WITH NEW CONSTRUCTION AND REMOVAL/ROUTING OF CONDUIT, WIRING, SWITCHES AND DUCTWORK WITH MEP DRAWINGS.
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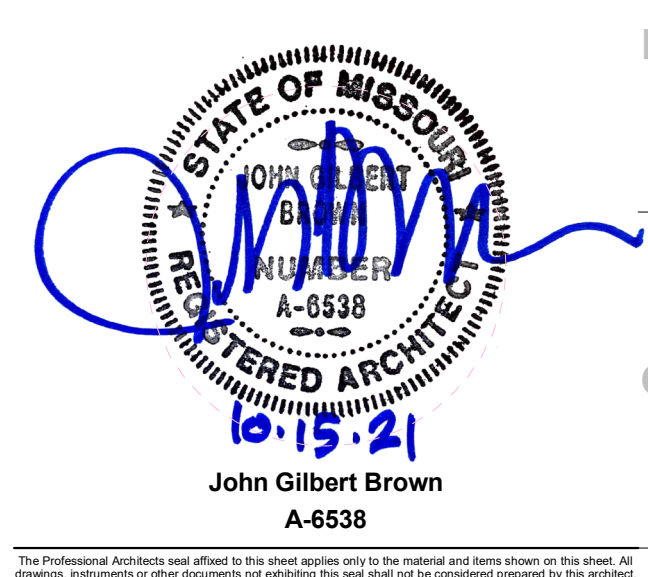
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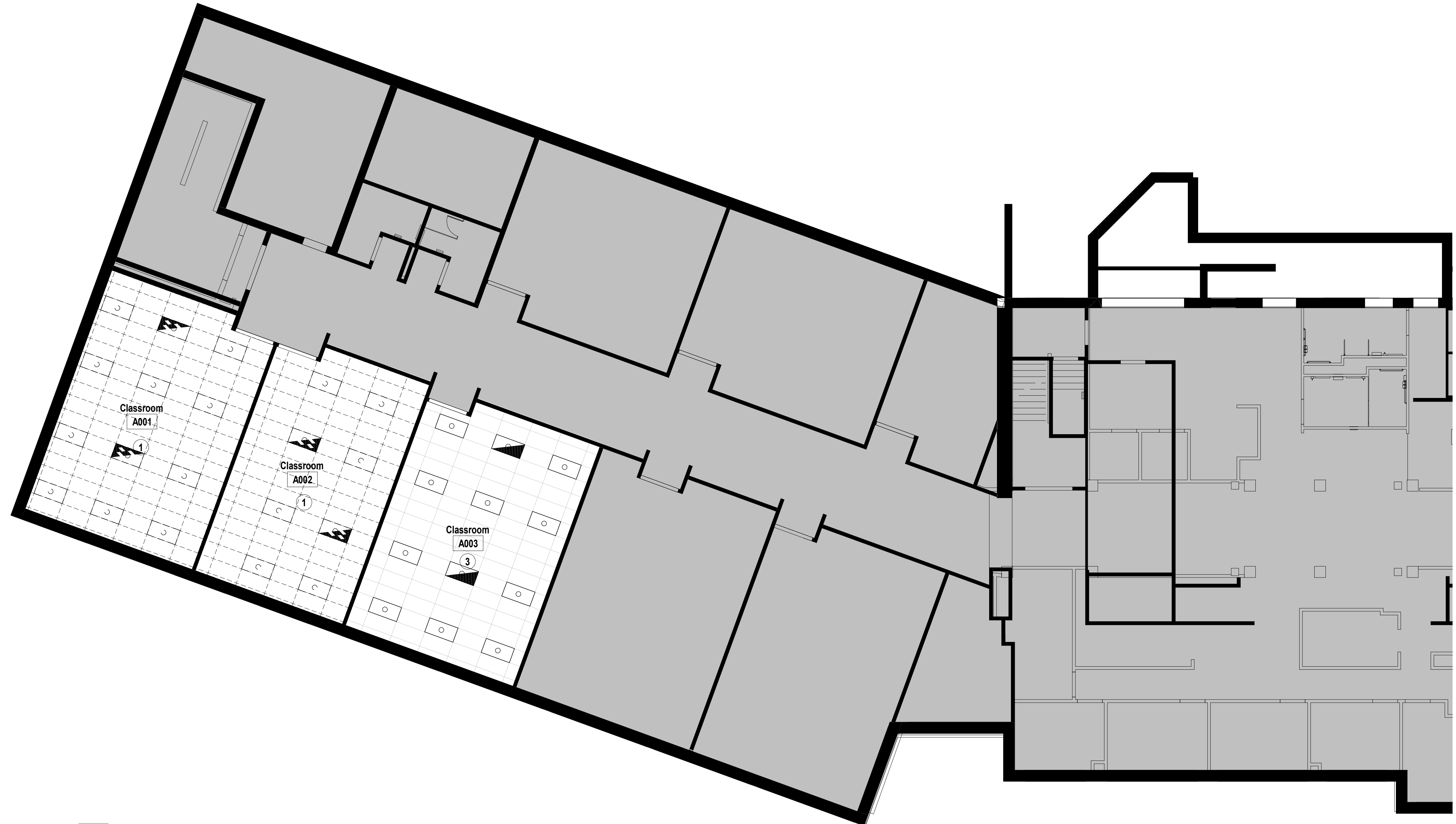
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DA103



EXISTING BUILDING - NO WORK
 POTENTIAL ALTERNATE WORK

DEMOLITION NOTES

CEILINGS

- 1 REMOVE EXISTING LAY-IN ACOUSTICAL TILE AND SUSPENSION SYSTEM. EXISTING HANGER WIRE MAY BE REUSED FOR NEW SUSPENSION SYSTEM.
- 2 REMOVE EXISTING SOFFITS AND ALL EXISTING FRAMING.
- 3 REMOVE 50% EXISTING CEILING TILE AND RETAIN EXISTING SUSPENSION SYSTEM FOR RE-INSTALLATION OF NEW TILE

GENERAL DEMOLITION NOTES

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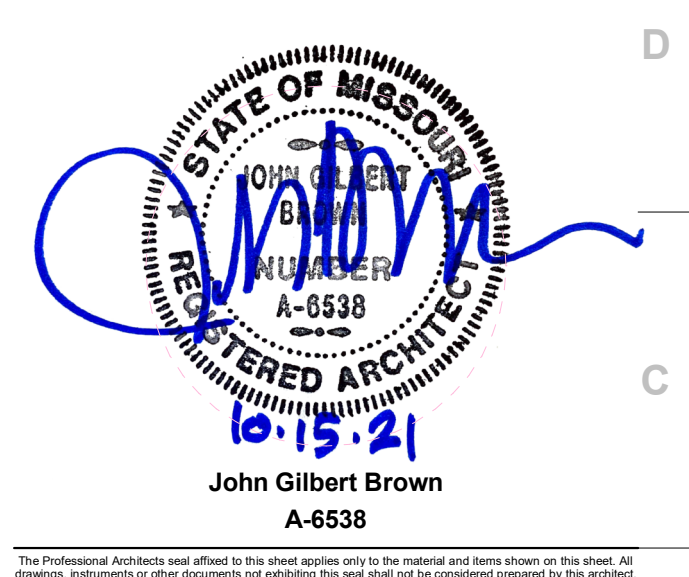
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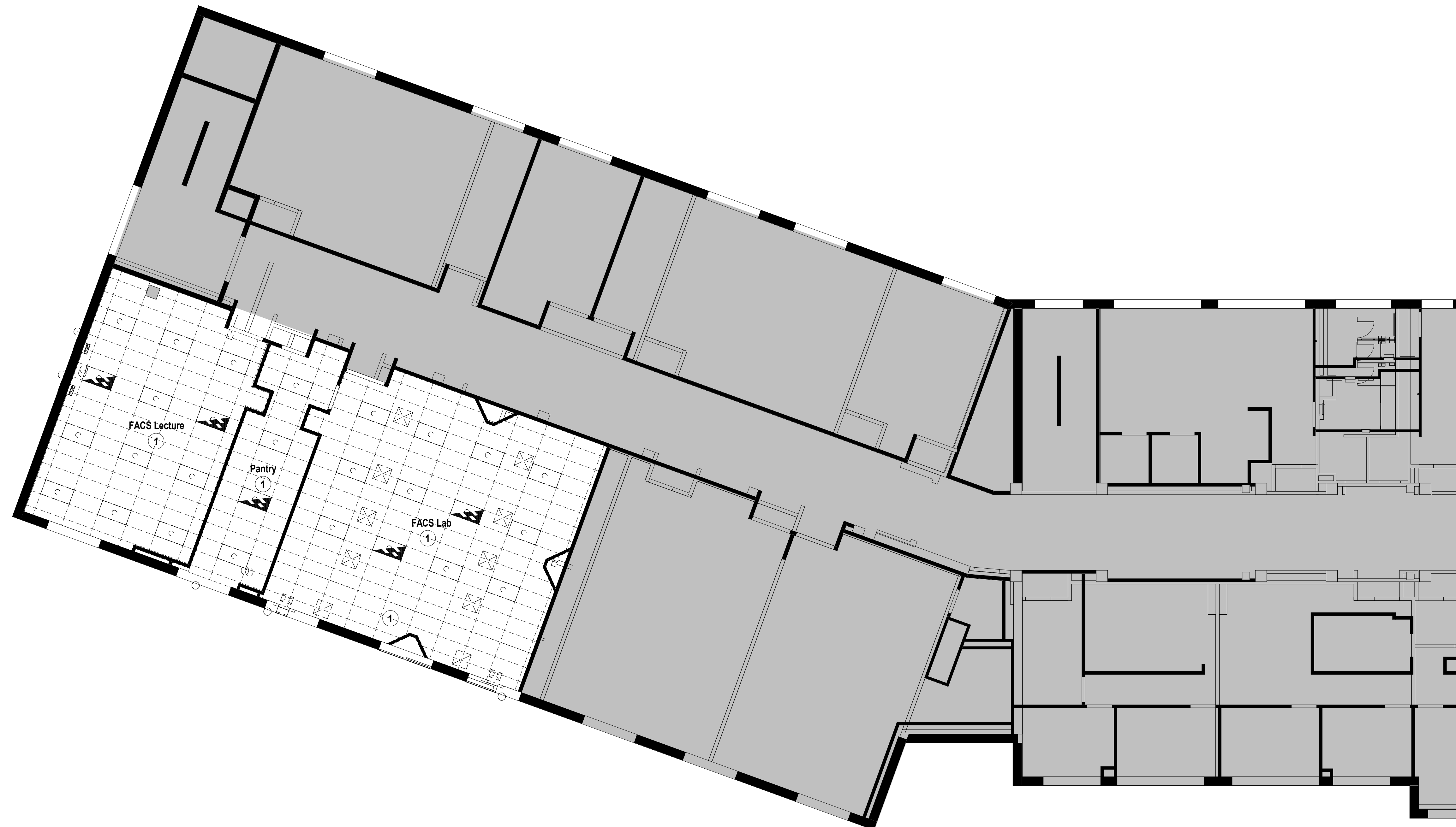
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DA200



DEMOLITION NOTES

- CEILINGS**
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 - 2 REMOVE EXISTING SOFFITS AND ALL EXISTING FRAMING.
 - 3 REMOVE 50% EXISTING CEILING TILE AND RETAIN EXISTING SUSPENSION SYSTEM FOR RE-INSTALLATION OF NEW TILE

GENERAL DEMOLITION NOTES

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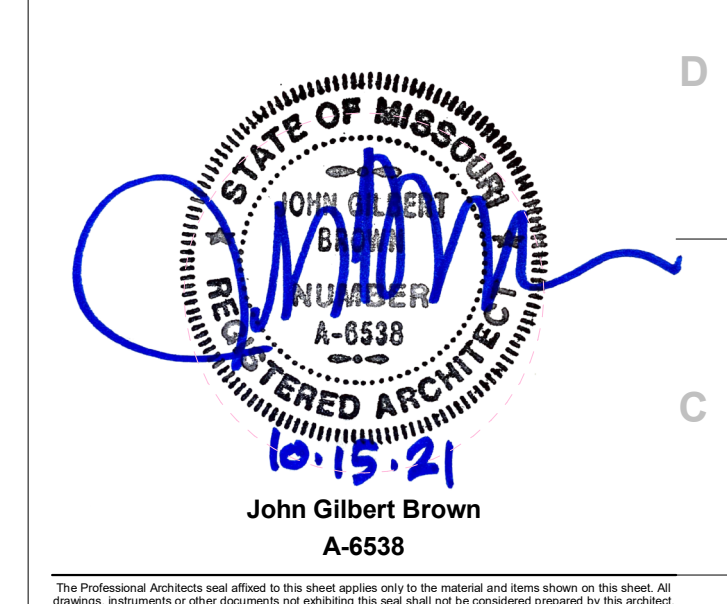
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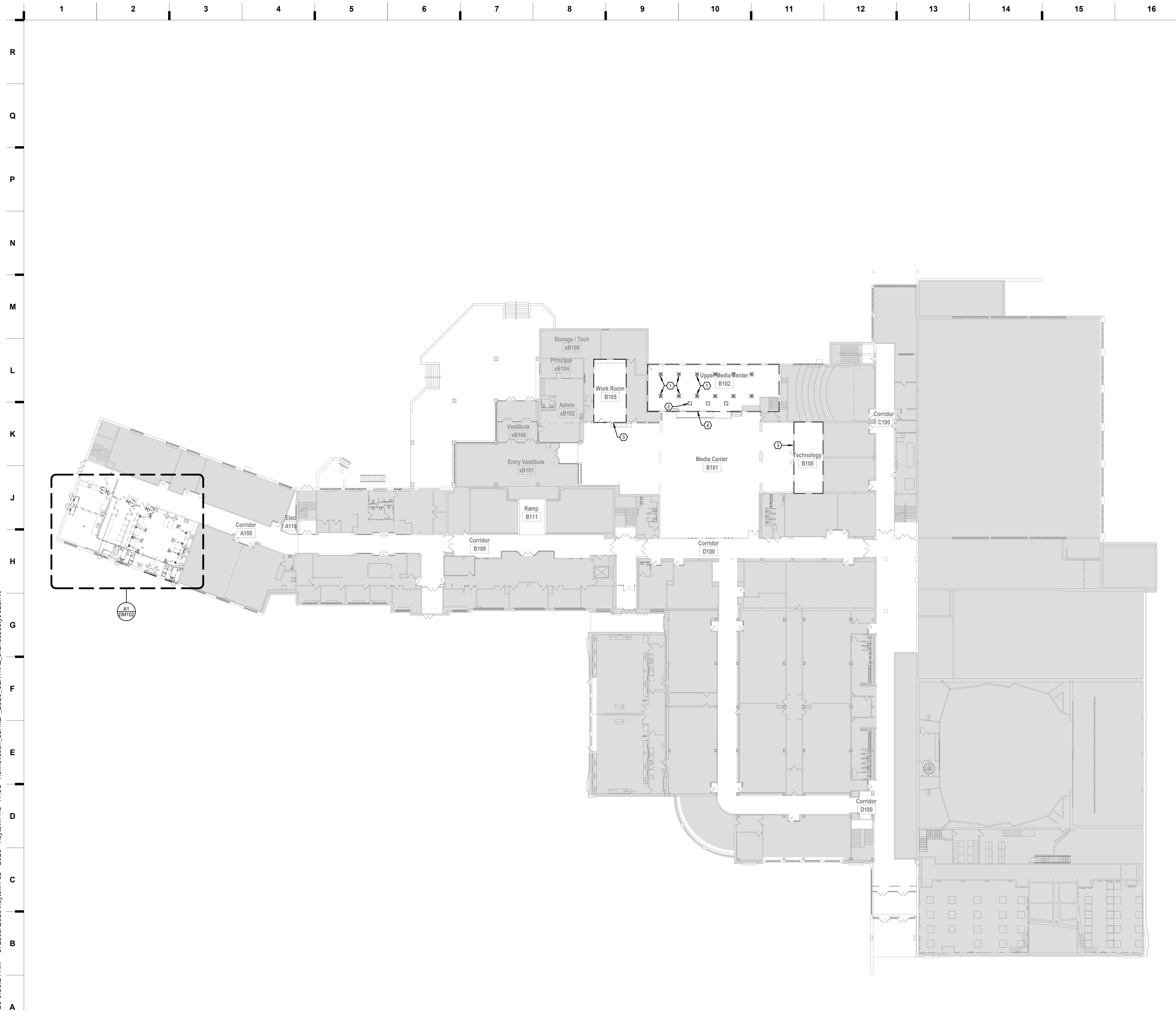


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DA201

A1 Scale Demolition - Reflected Ceiling Plan - Area A - Level 1
1/8" = 1'-0"

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SHEET KEYNOTE LEGEND

- GENERAL MECHANICAL DEMOLITION NOTES:**
1. ALL WORK SCHEDULES, WORK BOUNDARIES, AND EXTENT OF WORK SHALL BE COORDINATED BY THE CONTRACTORS.
 2. 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.
 3. DARK DASHED LINES INDICATE MECHANICAL OR ELECTRICAL EQUIPMENT THAT SHALL BE REMOVED. LIGHT SOLID LINES REPRESENT EXISTING EQUIPMENT OR MATERIAL TO REMAIN, EXCEPT WHERE OTHERWISE INDICATED.
 4. DISCONNECT AND REMOVE ALL DUCTWORK, CONTROLS, WIRING, HYDRONIC PIPING AND ACCESSORIES THAT BECOME UNNECESSARY AS A RESULT OF THE REMOVAL OF EQUIPMENT INDICATED TO BE REMOVED.
 5. RELOCATE AND RECONNECT ANY MECHANICAL FACILITIES THAT MUST BE RELOCATED IN ORDER TO ACCOMPLISH THE REMODELING SHOWN IN THE DRAWINGS OR INDICATED IN THE SPECIFICATIONS. WHERE MECHANICAL FIXTURES OR EQUIPMENT ARE REMOVED, CAP ALL UNUSED PIPING BEYOND THE FLOOR LINE OR WALL LINE TO FACILITATE RESTORATION OF FINISH.
 6. PROVIDE MECHANICAL DEMOLITION ASSOCIATED WITH ELECTRICAL EQUIPMENT TO BE REMOVED.
 7. DISCONNECT AND REMOVE ALL PLUMBING PIPING THAT BECOMES UNNECESSARY AS A RESULT OF THE REMOVAL OF EQUIPMENT INDICATED TO BE REMOVED. PROVIDE FOR CONTINUITY OF ALL REMAINING SYSTEMS.
 8. PATCH STRUCTURAL OPENINGS TO MATCH EXISTING WHERE PIPING THAT PENETRATES FLOORS AND WALLS IS DEMOLISHED.

- PLAN NOTES - EXISTING WORK**
- ① DISCONNECT AND SALVAGE EXISTING SUPPLY DIFFUSER AND ASSOCIATED DUCTWORK. CLEAN DIFFUSER. EXISTING SUPPLY DIFFUSER AND DUCTWORK TO BE REUSED AND REINSTALLED PER NEW WORK SCOPE.
 - ② DISCONNECT AND SALVAGE EXISTING FILTERED RETURN AIR GRILLE AND ASSOCIATED DUCTWORK. CLEAN GRILLE AND REPLACE FILTER. EXISTING GRILLE AND DUCTWORK TO BE REUSED AND REINSTALLED PER NEW WORK SCOPE.
 - ③ NO HVAC SCOPE. EXISTING CONDITIONS TO REMAIN.
 - ④ PROVIDE AIRFLOW READINGS AT GRILLES FROM EXISTING HVAC ZONE PRIOR TO START OF WORK.

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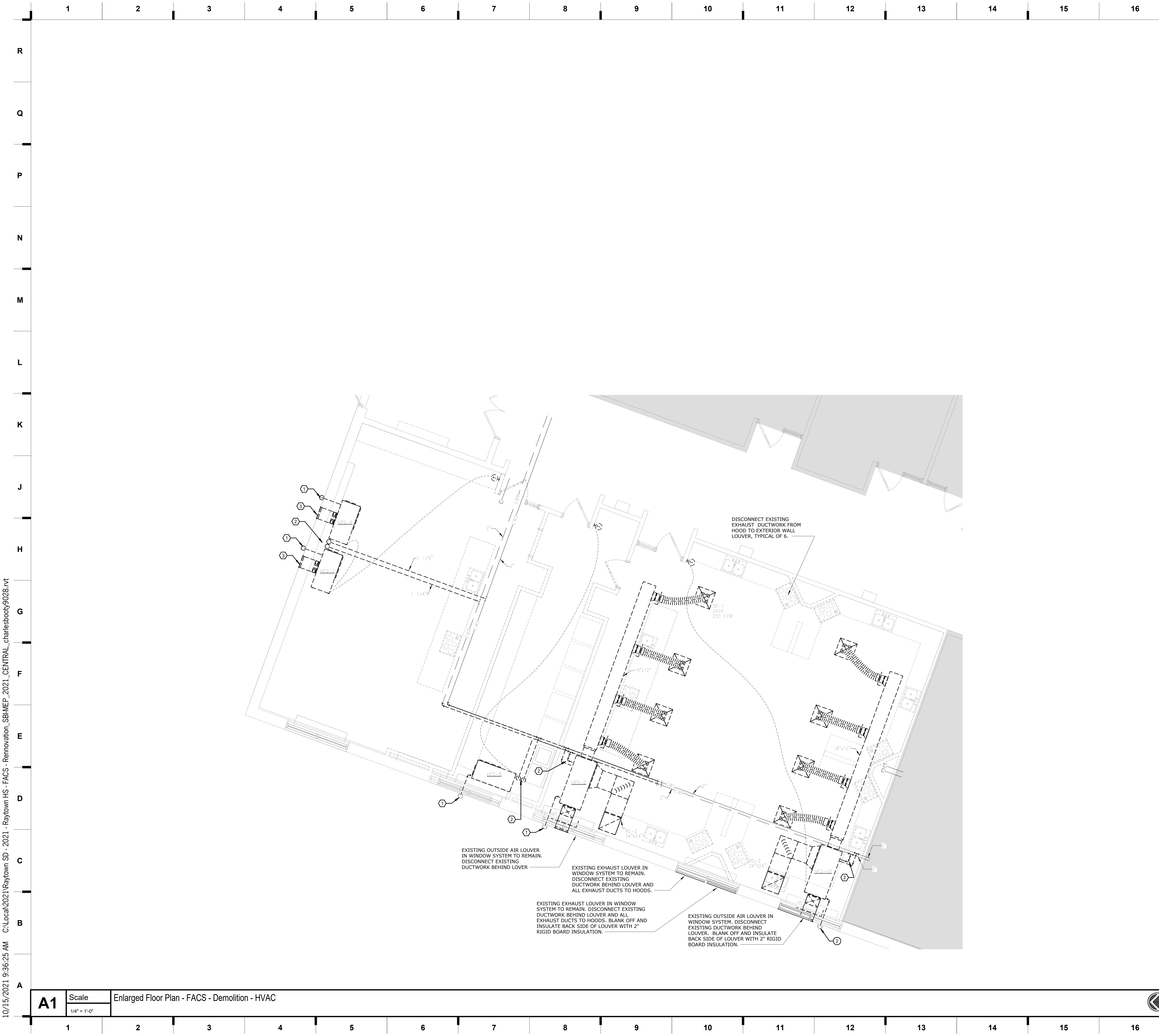
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 engineers

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 project number 2020303

DM101

A1 Scale Overall Floor Plan - Level 1 - Demolition - HVAC
 1" = 20'-0"



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A1 Scale Enlarged Floor Plan - FACS - Demolition - HVAC
1/4" = 1'-0"

SHEET KEYNOTE LEGEND

- GENERAL MECHANICAL DEMOLITION NOTES:**
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 2. 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.
 3. DARK DASHED LINES INDICATE MECHANICAL OR ELECTRICAL EQUIPMENT THAT SHALL BE REMOVED. LIGHT SOLID LINES REPRESENT EXISTING EQUIPMENT OR MATERIAL TO REMAIN, EXCEPT WHERE OTHERWISE INDICATED.
 4. DISCONNECT AND REMOVE ALL DUCTWORK, CONTROLS, WIRING, HYDRONIC PIPING AND ACCESSORIES THAT BECOME UNNECESSARY AS A RESULT OF THE REMOVAL OF EQUIPMENT INDICATED TO BE REMOVED.
 5. RELOCATE AND RECONNECT ANY MECHANICAL FACILITIES THAT MUST BE RELOCATED IN ORDER TO ACCOMPLISH THE REMODELING SHOWN IN THE DRAWINGS OR INDICATED IN THE SPECIFICATIONS. WHERE MECHANICAL FIXTURES OR EQUIPMENT ARE REMOVED, CAP ALL UNUSED PIPING BEYOND THE FLOOR LINE OR WALL LINE TO FACILITATE RESTORATION OF FINISH.
 6. PROVIDE MECHANICAL DEMOLITION ASSOCIATED WITH ELECTRICAL EQUIPMENT TO BE REMOVED.
 7. DISCONNECT AND REMOVE ALL PLUMBING PIPING THAT BECOMES UNNECESSARY AS A RESULT OF THE REMOVAL OF EQUIPMENT INDICATED TO BE REMOVED. PROVIDE FOR CONTINUITY OF ALL REMAINING SYSTEMS.
 8. PATCH STRUCTURAL OPENINGS TO MATCH EXISTING WHERE PIPING THAT PENETRATES FLOORS AND WALLS IS DEMOLISHED.

PLAN NOTES - EXISTING WORK

- ① DISCONNECT AND REMOVE CONDENSATE DRAIN FROM HEAT PUMP. SALVAGE TERMINATION THROUGH WALL.
- ② DISCONNECT AND REMOVE CWS AND CWR PIPING FROM UNITS. REMOVE PIPING BACK TO MAINS. REPAIR/MAINTAIN CONTINUITY OF PIPING MAINS TO MAINTAIN SYSTEM FLOW.
- ③ DISCONNECT AND REMOVE LOUVER. INFILL WALL TO MATCH EXISTING CONSTRUCTION.

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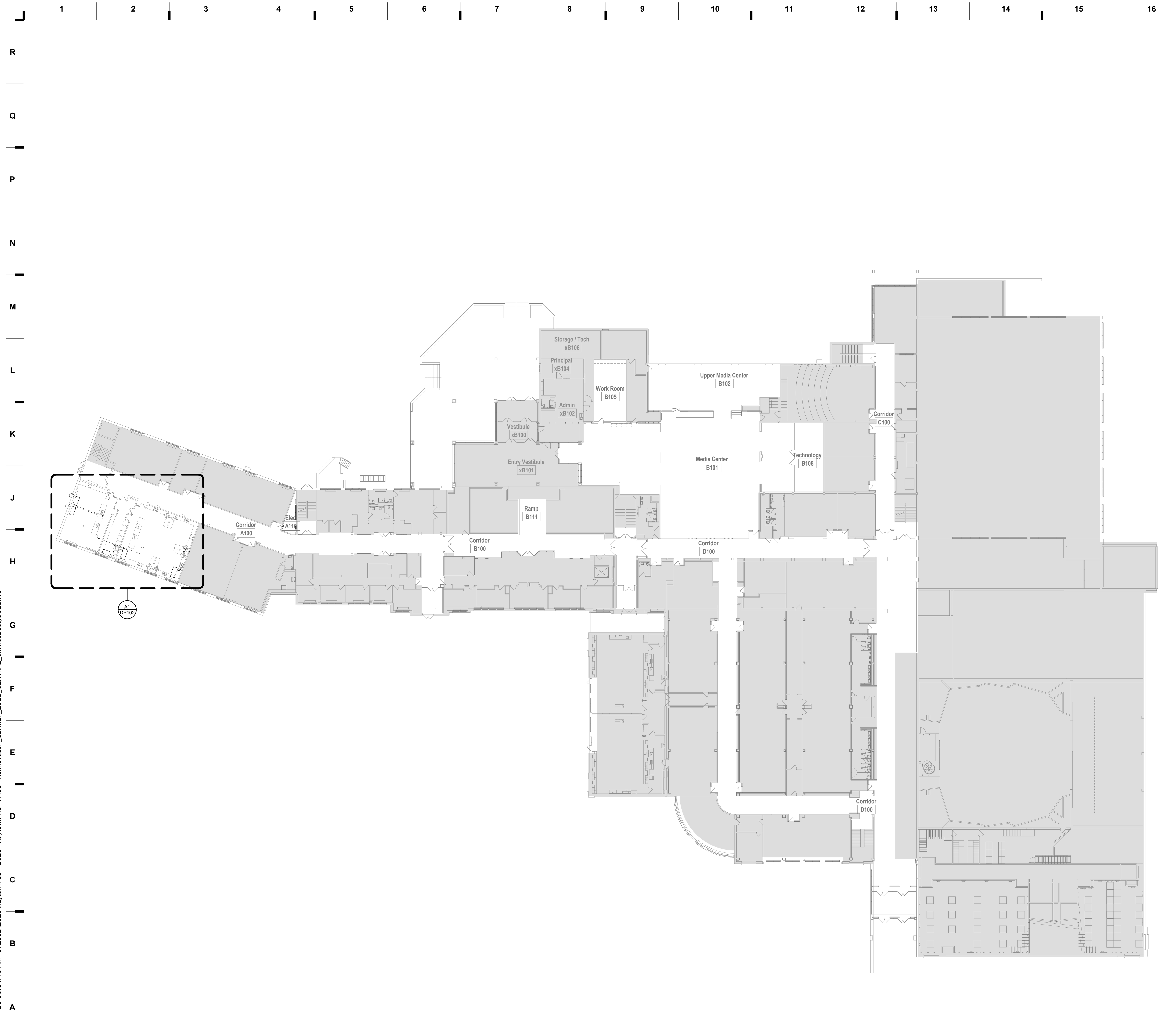
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DM102

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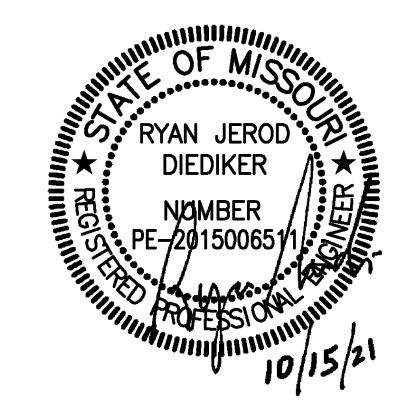
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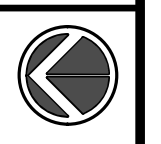
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engineers
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project number 2020303

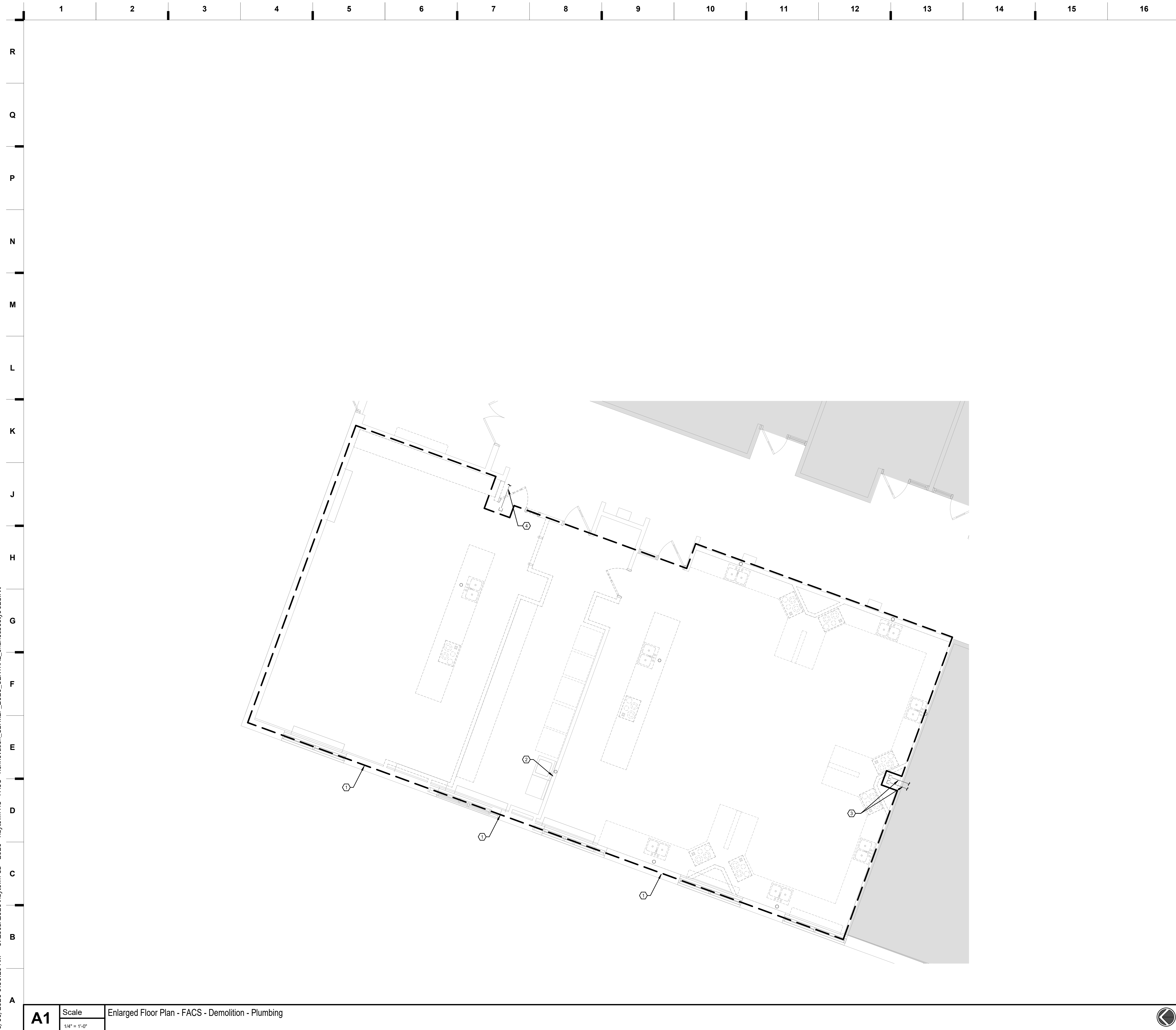
DP101

A

A1 Scale Overall Floor Plan - Level 1 - Demolition - Plumbing
1" = 20'-0"



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SHEET KEYNOTE LEGEND

GENERAL MECHANICAL DEMOLITION NOTES:

1. ALL WORK SCHEDULES, WORK BOUNDARIES, AND EXTENT OF WORK SHALL BE COORDINATED BY THE CONTRACTORS.
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3. DARK DASHED LINES INDICATE MECHANICAL OR ELECTRICAL EQUIPMENT THAT SHALL BE REMOVED. LIGHT SOLID LINES REPRESENT EXISTING EQUIPMENT OR MATERIAL TO REMAIN, EXCEPT WHERE OTHERWISE INDICATED.
4. DISCONNECT AND REMOVE ALL DUCTWORK, CONTROLS, WIRING, HYDRONIC PIPING AND ACCESSORIES THAT BECOME UNNECESSARY AS A RESULT OF THE REMOVAL OF EQUIPMENT INDICATED TO BE REMOVED.
5. RELOCATE AND RECONNECT ANY MECHANICAL FACILITIES THAT MUST BE RELOCATED IN ORDER TO ACCOMPLISH THE REMODELING SHOWN IN THE DRAWINGS OR INDICATED IN THE SPECIFICATIONS. WHERE MECHANICAL FIXTURES OR EQUIPMENT ARE REMOVED, CAP ALL UNUSED PIPING BEYOND THE FLOOR LINE OR WALL LINE TO FACILITATE RESTORATION OF FINISH.
6. PROVIDE MECHANICAL DEMOLITION ASSOCIATED WITH ELECTRICAL EQUIPMENT TO BE REMOVED.
7. DISCONNECT AND REMOVE ALL PLUMBING PIPING THAT BECOMES UNNECESSARY AS A RESULT OF THE REMOVAL OF EQUIPMENT INDICATED TO BE REMOVED. PROVIDE FOR CONTINUITY OF ALL REMAINING SYSTEMS.
8. PATCH STRUCTURAL OPENINGS TO MATCH EXISTING WHERE PIPING THAT PENETRATES FLOORS AND WALLS IS DEMOLISHED.
9. EXISTING DOMESTIC WATER SYSTEM SHALL BE ISOLATED AND DRAINED IN ORDER TO PERFORM NEW PIPING WORK.

PLAN NOTES - EXISTING WORK

1. DISCONNECT AND REMOVE ALL PLUMBING PIPING AND FIXTURES SERVING EXISTING FACS LAB, PANTRY AND CLASSROOM, UNLESS OTHERWISE NOTED. PLUMBING SERVING FIXTURES OUTSIDE OF THESE ROOMS SHALL REMAIN AND/OR RECONNECTED TO AS REQUIRED TO REMAIN FUNCTIONAL. PREPARE SANITARY PIPING ABOVE THE CEILING OF THE FLOOR BELOW THESE ROOMS FOR CONNECTING NEW SINKS AS SHOWN ON THE NEW WORK PLANS.
2. EXISTING WASHING MACHINE HOOK-UP BOX AND PIPING IN WALL TO REMAIN. PREPARE EXISTING PIPING FOR CONNECTION TO NEW PIPING FROM ABOVE AND BELOW.
3. EXISTING HW AND CW PIPING FROM ADJACENT ROOM TO REMAIN. FIELD VERIFY EXACT SIZE AND LOCATION.
4. EXISTING RHW INTO CORRIDOR TO REMAIN. FIELD VERIFY EXACT SIZE AND LOCATION.

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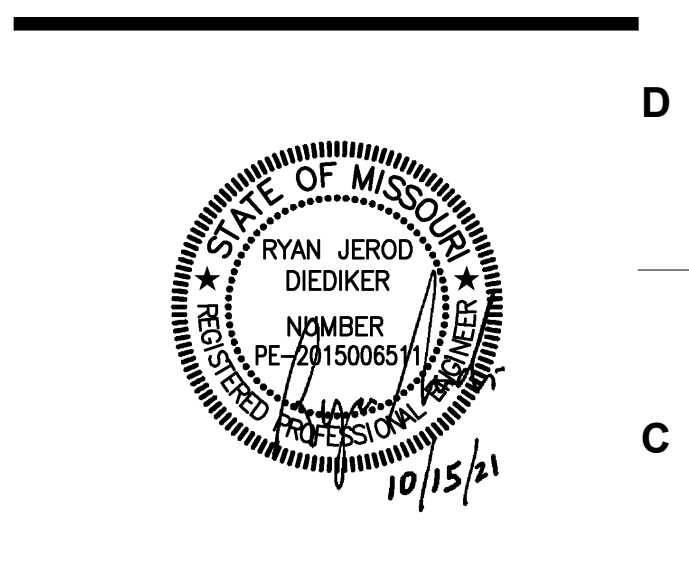
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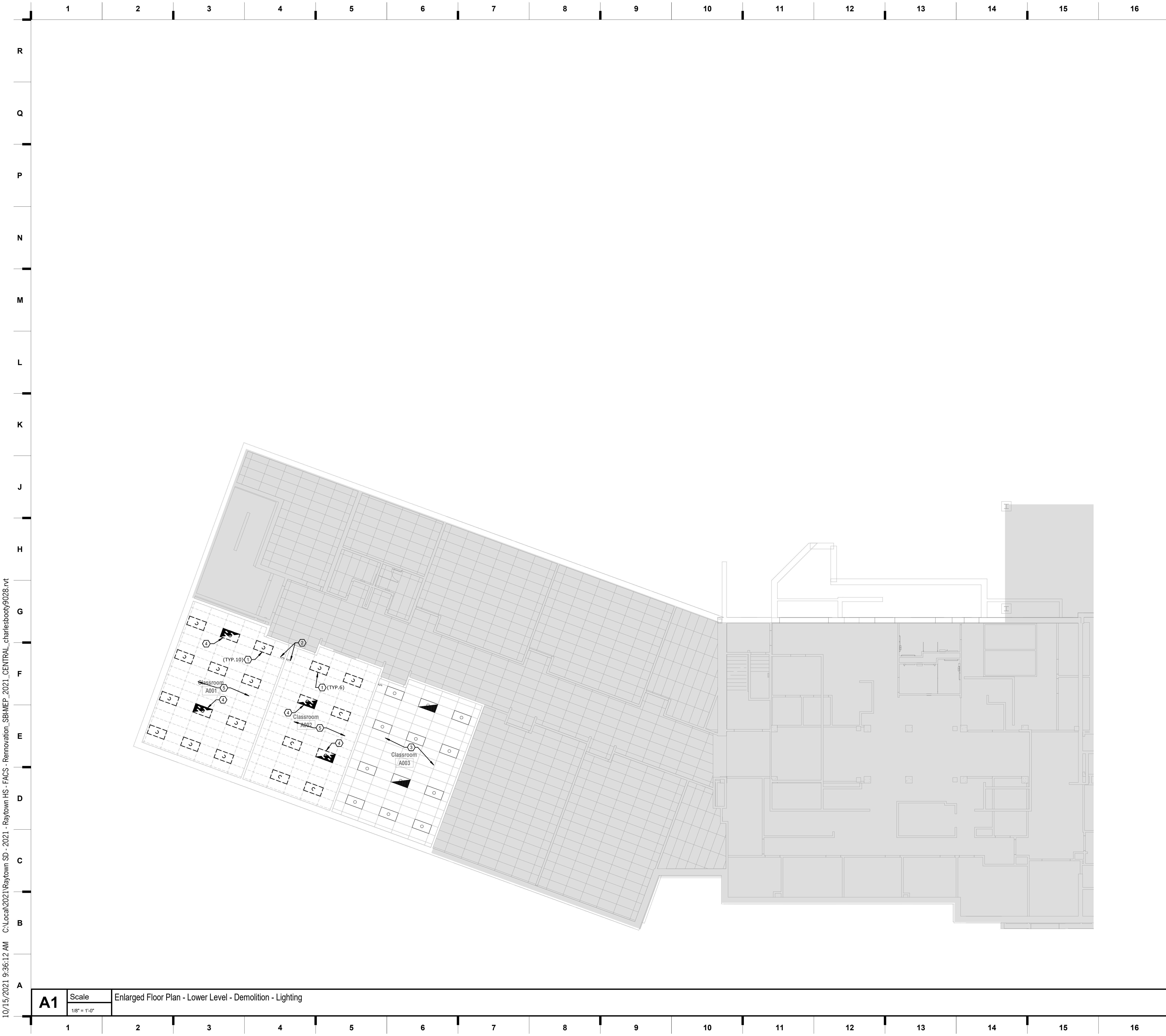
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project number 2020303

DP102

A1 Scale Enlarged Floor Plan - FACS - Demolition - Plumbing
1/4" = 1'-0"

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SHEET KEYNOTE LEGEND

- DEMOLITION GENERAL NOTES:**
- REFER TO DE101 FOR GENERAL NOTES.
- DEMOLITION PLAN NOTES:**
- REMOVE AND SALVAGE LIGHT FIXTURE FOR REINSTALLATION IN NEW CEILING. SALVAGE CIRCUITRY FOR RECONNECTION IN NEW CEILING. REFER TO E100.
 - LIGHT SWITCH AND ASSOCIATED CIRCUITRY TO REMAIN FOR RECONNECTION TO REINSTALLED FIXTURES.
 - LIGHTING TO REMAIN AS IS IN THIS SPACE.
 - REMOVE AND SALVAGE LIGHT FIXTURE WITH EMERGENCY BACKUP BATTERY FOR REINSTALLATION IN NEW CEILING. SALVAGE CIRCUITRY AND UNSWITCHED EMERGENCY CIRCUIT FOR RECONNECTION IN NEW CEILING. REFER TO E100.
 - REMOVE AND SALVAGE ALL OTHER ELECTRICAL CEILING DEVICES AND ASSOCIATED CABLING FOR REINSTALLATION AT APPROXIMATELY SAME LOCATION.

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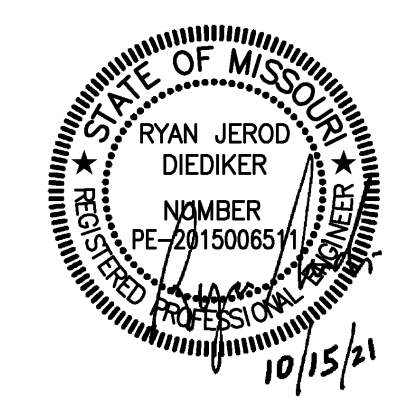
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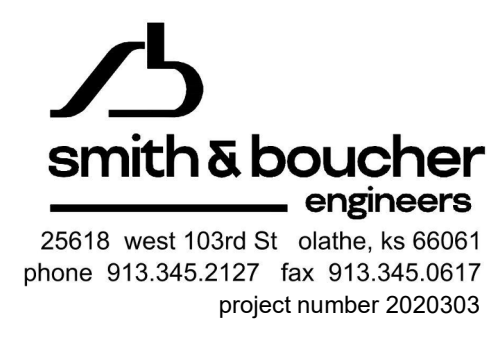
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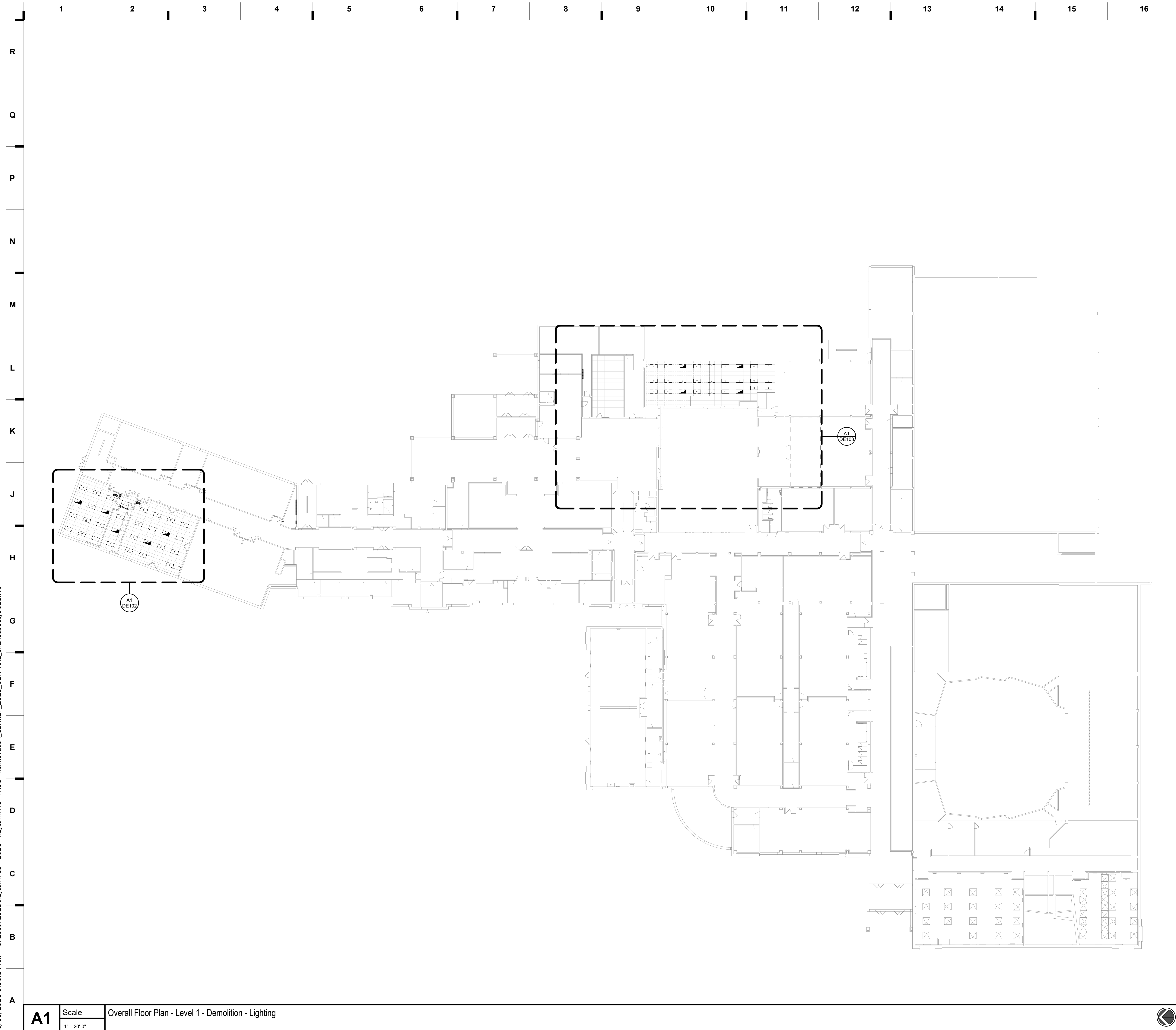
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DE100

A1 Scale Enlarged Floor Plan - Lower Level - Demolition - Lighting
 1/8" = 1'-0"

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SHEET KEYNOTE LEGEND

- DEMOLITION GENERAL NOTES:**
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 2. PATCH ROOFS, WALLS, AND CEILINGS WHERE ANY SERVICES ARE REMOVED UNLESS NOTED OTHERWISE.
 3. DISCONNECT AND REMOVE ALL PIPING, WIRING, AND CONDUIT THAT BECOMES UNNECESSARY AS A RESULT OF THE REMOVAL OF EQUIPMENT INDICATED TO BE REMOVED. PROVIDE FOR THE CONTINUITY OF ALL REMAINING SERVICES SYSTEMS AND CIRCUITS.
 4. RELOCATE AND RECONNECT MECHANICAL AND ELECTRICAL FACILITIES THAT MUST BE RELOCATED IN ORDER TO ACCOMPLISH THE REMODELING SHOW IN THE DRAWINGS OR INDICATED IN THE SPECIFICATIONS. WHERE MECHANICAL AND ELECTRICAL FIXTURES OR EQUIPMENT ARE REMOVED CAP ALL UNUSED CONDUIT, WIRING, AND PIPING BEYOND THE FLOOR LINE OR WALL LINE TO FACILITATE RESTORATION OF FINISH.
 5. WHERE REMOVAL OF EXISTING WIRING INTERRUPTS ELECTRICAL CONTINUITY OR CIRCUITS WHICH ARE TO REMAIN IN USE, FURNISH AND INSTALL ALL REQUIRED WIRE, CONDUIT, JUNCTION BOXES, ETC. TO INSURE CONTINUED ELECTRICAL CONTINUITY.
 6. DEVICES SHOWN FULL TONE OR NOTED ELSEWHERE IN THE DOCUMENTS TO BE REMOVED OR DEMOLISHED SHALL BE REMOVED AS FOLLOWS. ALL WIRING BACK TO CONTROL DEVICE, PANELBOARD, OR NEAREST J-BOX TO REMAIN. ALL CONDUIT (ABOVE GRADE) BACK TO CONTROL DEVICE OR NEAREST J-BOX TO REMAIN. AT J-BOXES WHERE CONDUIT HAS BEEN REMOVED, PROVIDE KNOCKOUT IF CONDUIT ORIGINATES AT A PANELBOARD, STUB-UP FROM PANELBOARD TO NEAREST COUPLER OR J-BOX TO REMAIN AS SPARE, UNLESS NOTED OTHERWISE.
- EXIST _____
 DEMO - - - - -

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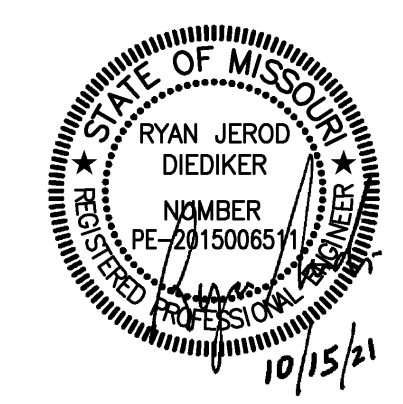
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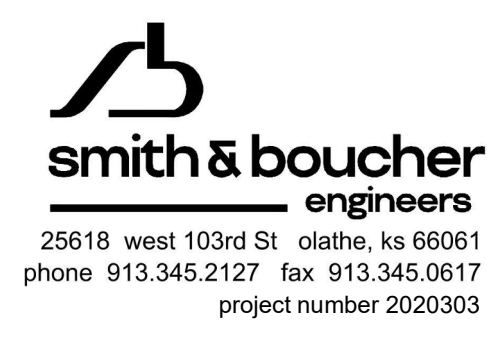
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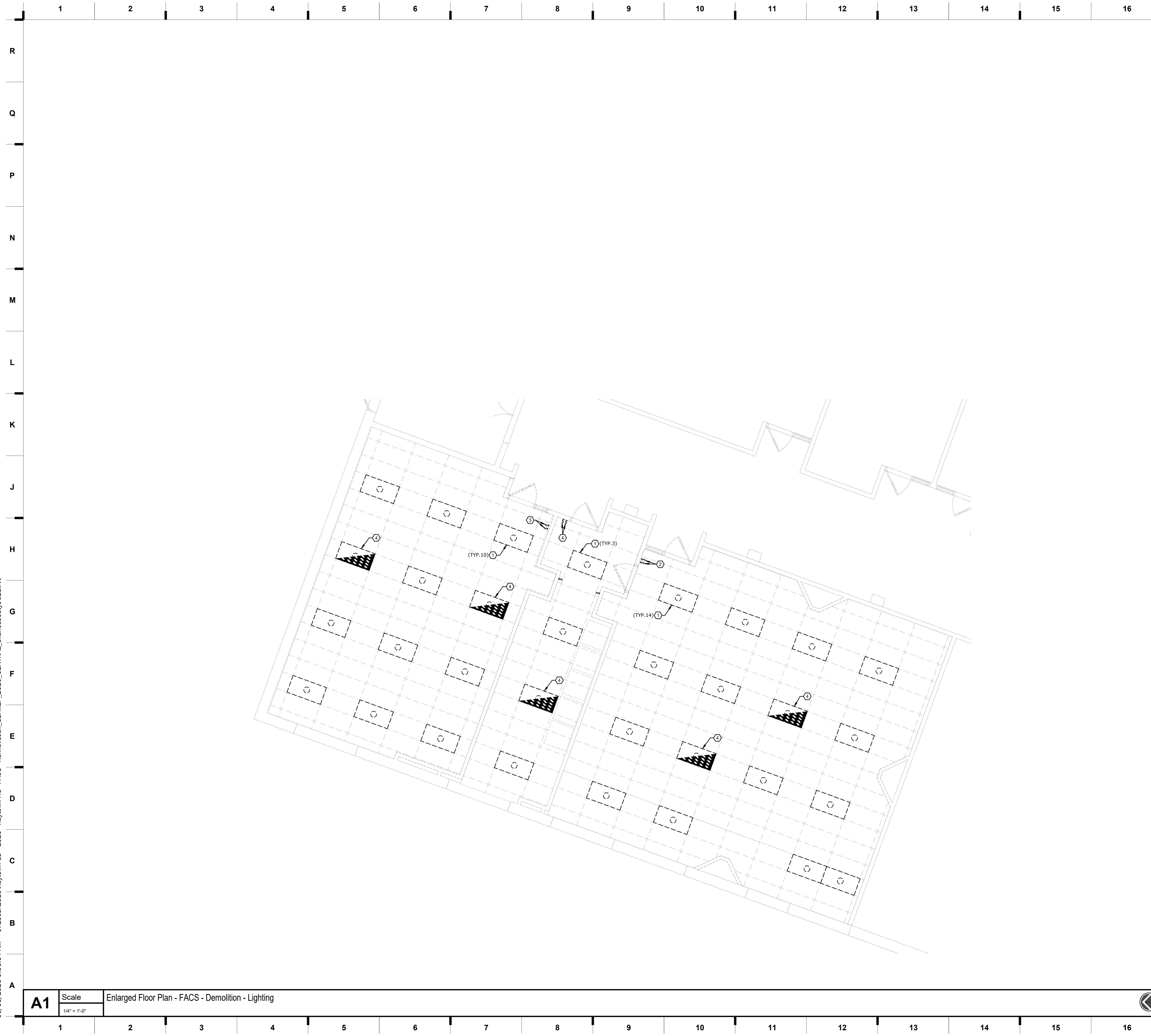
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DE101

A1 Scale Overall Floor Plan - Level 1 - Demolition - Lighting
 1" = 20'-0"

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SHEET KEYNOTE LEGEND

DEMOLITION GENERAL NOTES:

1. REFER TO DE101 FOR GENERAL NOTES.

DEMOLITION PLAN NOTES:

- 1 REMOVE AND SALVAGE LIGHT FIXTURE FOR REINSTALLATION IN NEW CEILING. SWITCHED CIRCUITRY TO BE REMOVED. SALVAGE HOMERUN FOR REUSE.
- 2 LIGHT SWITCHES TO REMAIN. SWITCHED CIRCUITRY TO BE REMOVED. SALVAGE HOMERUN FOR REUSE.
- 3 REMOVE LIGHT SWITCHES ON DEMO'D WALL. SALVAGE CIRCUITRY WHERE POSSIBLE.
- 4 SALVAGE LIGHT FIXTURE WITH EMERGENCY BATTERY BACK UP FOR REINSTALLATION IN NEW CEILING. REMOVE SWITCHED CIRCUITRY. EMERGENCY UNSWITCHED CONDUCTOR TO BE SALVAGED FOR REUSE IN REINSTALLATION.

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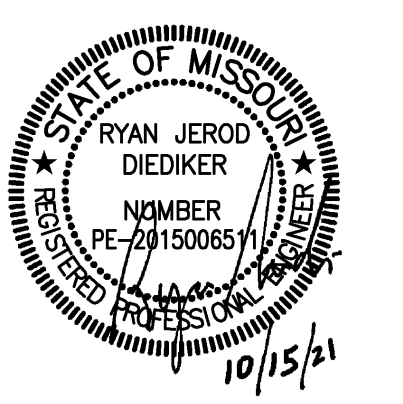
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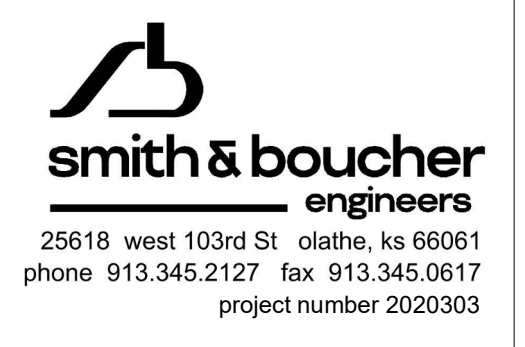
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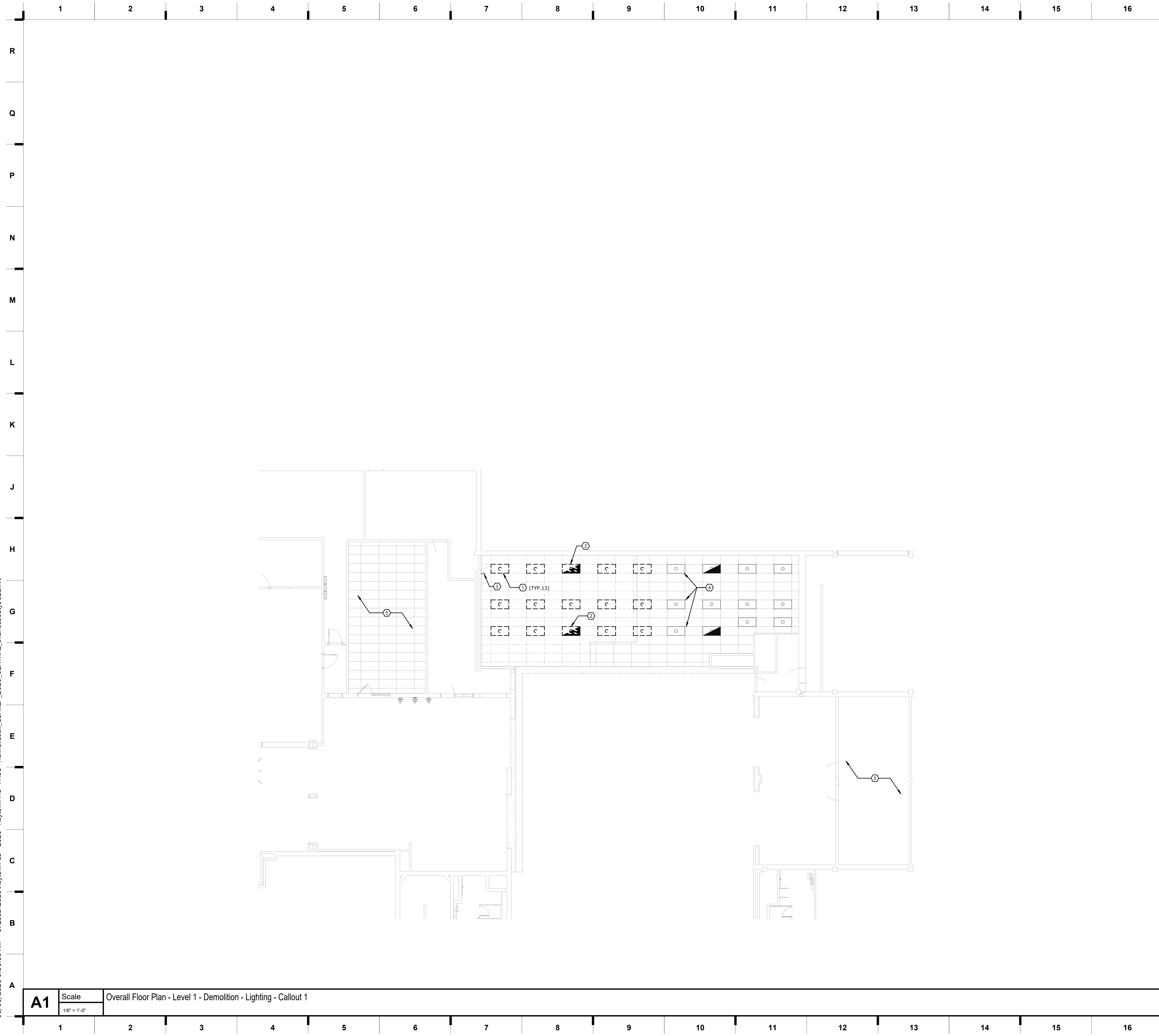
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DE102

A1 Scale Enlarged Floor Plan - FACS - Demolition - Lighting
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SHEET KEYNOTE LEGEND

- DEMOLITION DEMO NOTES:**
 1. REFER TO DE101 FOR GENERAL NOTES.
- PLAN DEMOLITION NOTES:**
- ① REMOVE AND SALVAGE LIGHT FIXTURE FOR REUSE IN NEW WORK, REFER TO E103. RETURN EXTRA FIXTURE BACK TO OWNER.
 - ② REMOVE AND SALVAGE LIGHT FIXTURE WITH EMERGENCY BATTERY BACK-UP FOR REUSE IN NEW WORK, REFER TO E103.
 - ③ REMOVE LIGHT SWITCH, SALVAGE FOR RELOCATION, REFER TO E103.
 - ④ REPAIR/MAINTAIN CIRCUITING FOR EXISTING TO REMAIN LIGHT FIXTURES SO THAT THEY REMAIN OPERATIONAL.
 - ⑤ LIGHTING TO REMAIN AS IS IN THIS SPACE.

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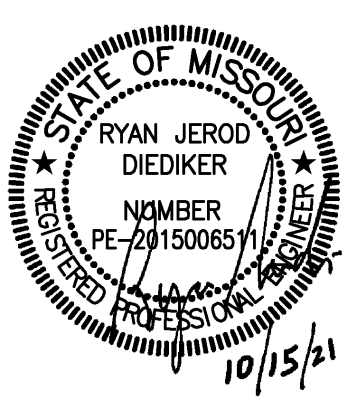
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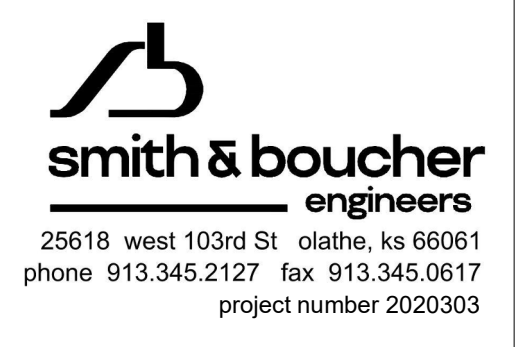
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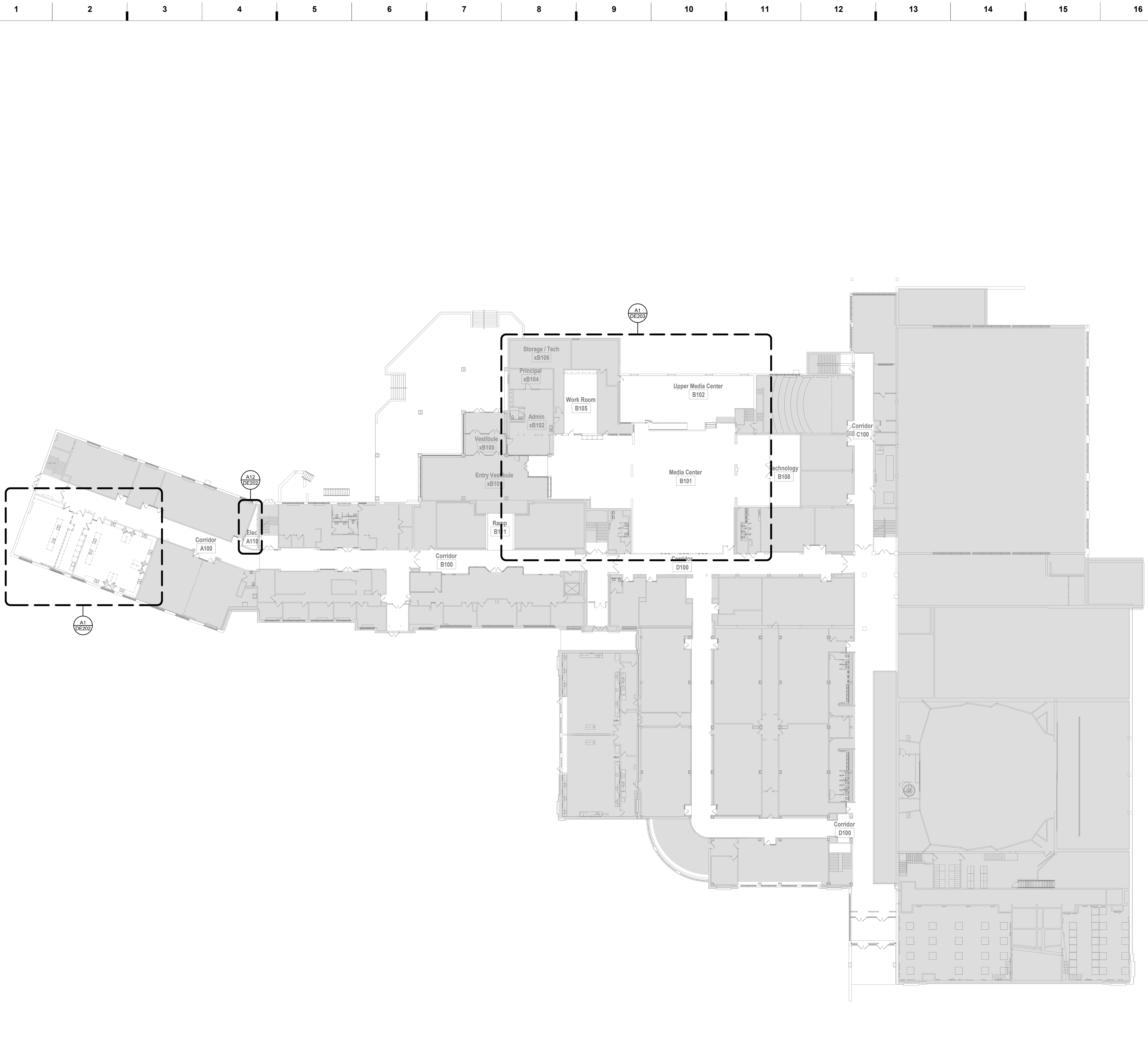
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DE103

A1 Scale Overall Floor Plan - Level 1 - Demolition - Lighting - Callout 1
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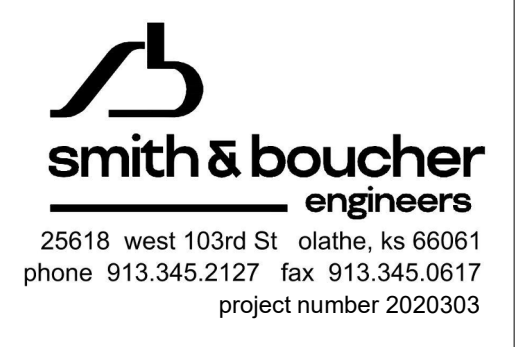
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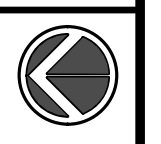


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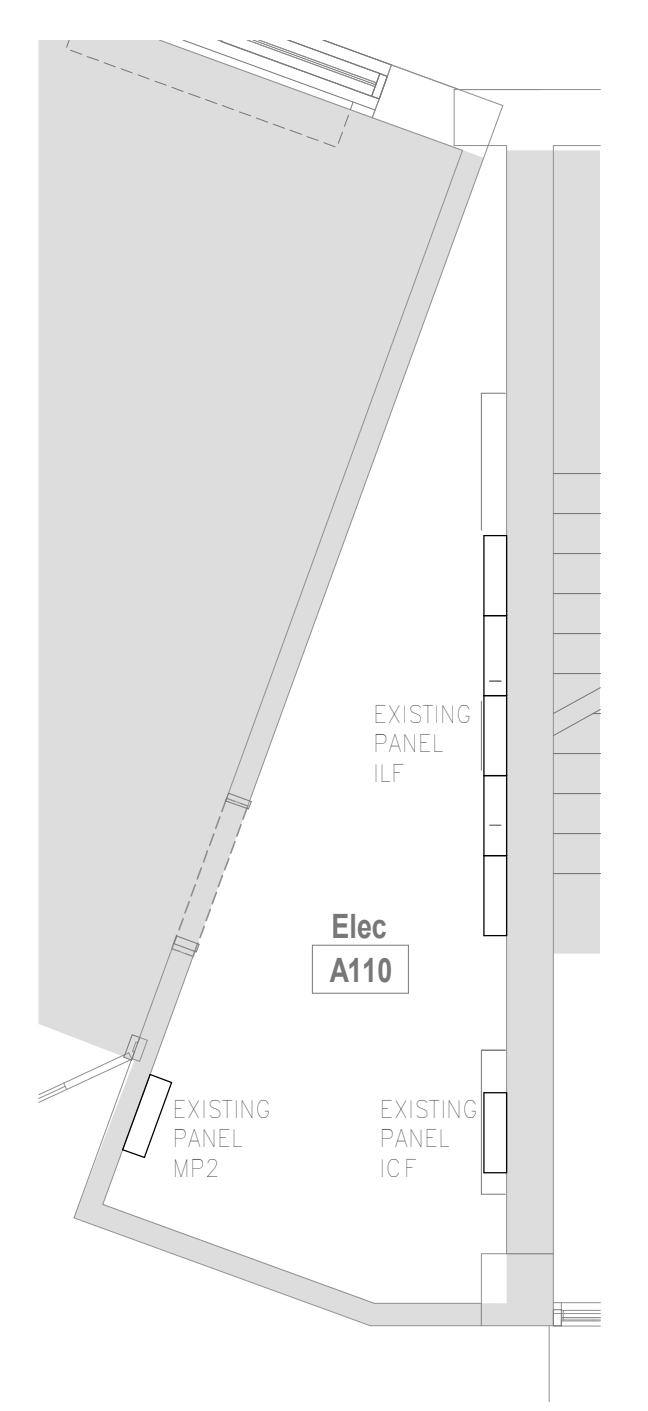
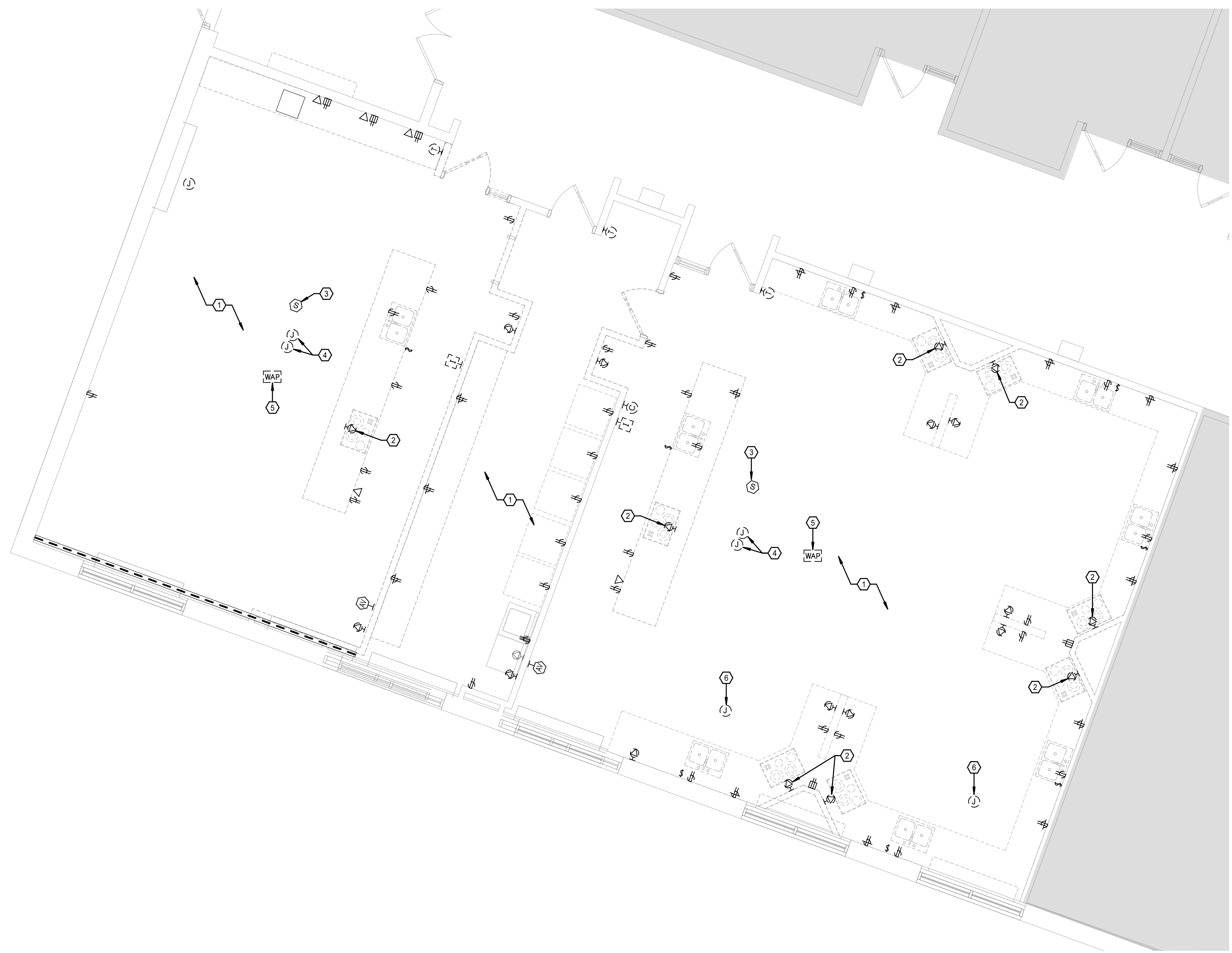
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SHEET KEYNOTE LEGEND

- DEMOLITION GENERAL NOTES:**
- REFER TO DE101 FOR GENERAL NOTES.
- DEMOLITION PLAN NOTES:**
- REMOVE POWER AND LOW VOLTAGE DEVICES IN THIS SPACE AND ASSOCIATED CIRCUITRY. SALVAGE CIRCUIT HOMERUNS FOR REUSE IN NEW WORK. SALVAGE ALL DATA AND LOW VOLTAGE CABLING FOR REUSE IN NEW WORK. REFER TO E202.
 - REMOVE 50A RANGE RECEPTACLE, SALVAGE 50A HOMERUN CIRCUIT FOR REUSE AT NEW WORK FOR NEW RANGES. REFER TO E202.
 - REMOVE AND SALVAGE INTERCOM SPEAKR FOR REINSTALLATION IN NEW WORK. SALVAGE CABLING FOR RECONNECTION AT SAME LOCATION.
 - REMOVE AND SALVAGE PROJECTOR AND ASSOCIATED CABLING AND CIRCUIT FOR REINSTALLATION IN NEW CEILING. REFER TO E202.
 - REMOVE AND SALVAGE WIRELESS ACCESS POINT AND ASSOCIATED DATA CABLING FOR REINSATLATION IN NEW CEILING AT APPROXIMATELY SAME LOCATION.
 - REMOVE AND SALVAGE FAN COIL CIRCUITING FOR REINSTALLION IN NEW LOCATION. REFER TO E202/M102.

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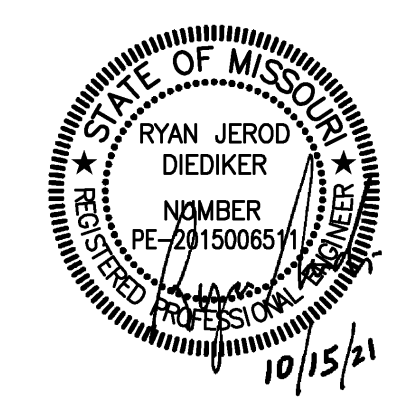
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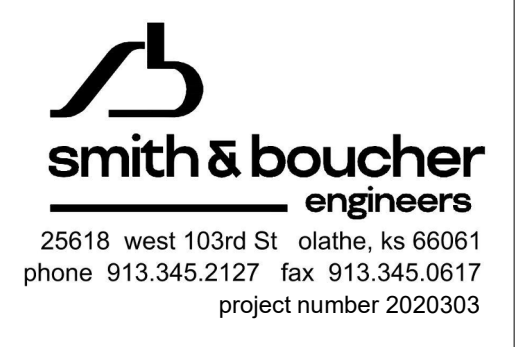
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 Raytown Quality Schools
 6019 Blue Ridge Blvd
 Raytown, MO 64133

REVISIONS:

#	Description	Date



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DE202

A1

Scale
1/4" = 1'-0"
Enlarged Floor Plan - FACS - Demolition - Power

A12

Scale
1/4" = 1'-0"
Enlarged Floor Plan - Electrical Room - Demolition - Power

10/15/2021 9:36:21 AM C:\Local(2021)\Raytown SD - 2021 - Raytown HS - FACS - Renovation_SBI-MEP_2021_CENTRAL_charlesbooth9028.rvt



SHEET KEYNOTE LEGEND

- DEMOLITION GENERAL NOTES:**
1. REFER TO DE101 FOR GENERAL NOTES.
- DEMOLITION PLAN NOTES:**
- 1 REMOVE POWER POLE AND ASSOCIATED POWER AND DATA CABLING. REMOVE POWER CIRCUIT BACK TO PANEL AND LABEL AS SPARE. COIL UP DATA CABLING ABOVE CEILING OR AS DIRECTED BY DISTRICT. SALVAGE AND RETURN POWER POLE TO DISTRICT.
 - 2 REMOVE RACEWAY AND ASSOCIATED POWER AND DATA CABLING. REMOVE POWER CIRCUIT BACK TO PANEL AND LABEL AS SPARE. COIL UP DATA CABLING ABOVE CEILING OR AS DIRECTED BY DISTRICT.
 - 3 REMOVE ALL POWER AND DATA ASSOCIATED WITH DEMO'D SCANNER, PATCH AND FILL ABANDONED SLAB OPENINGS AND PATHWAYS.
 - 4 ALL DEVICES SHOWN IN THIS AREA TO REMAIN AS IS UNLESS NOTED OTHERWISE.
 - 5 RELOCATE SPEAKERS TO OUTSIDE NEW STUDIO ROOMS. COORDINATE LOCATION WITH SCHOOL.
 - 6 FLOOR POWER AND DATA STUBS FOR MEDIA CENTER FRONT DESK TO REMAIN AND BE REUSED WITH NEW CASEWORK.

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DE203

A1 Scale Enlarged Floor Plan - Demolition - Power
 1/8" = 1'-0"

MATERIAL FINISH LEGEND

Table with columns: MATERIAL, ID, KEYNOTE, MANUFACTURER, STYLE/MODEL NO, COLOR/FINISH, COMMENTS. Lists materials like Carpet, Concrete Finish, Floor Topping, Paint, Resilient Base, Simulated Stone, Window Film.

SYMBOL LEGEND

Symbol legend defining architectural symbols for materials, doors, walls, frames, glass, elevations, and joints.

ABBREVIATIONS

Table of abbreviations with columns A, M, C, D, F, G, H, I, J, K, L, N, O, P, R, S, T, U, V, W, Y, Z. Lists terms like acoustical, masonry, center to center, etc.

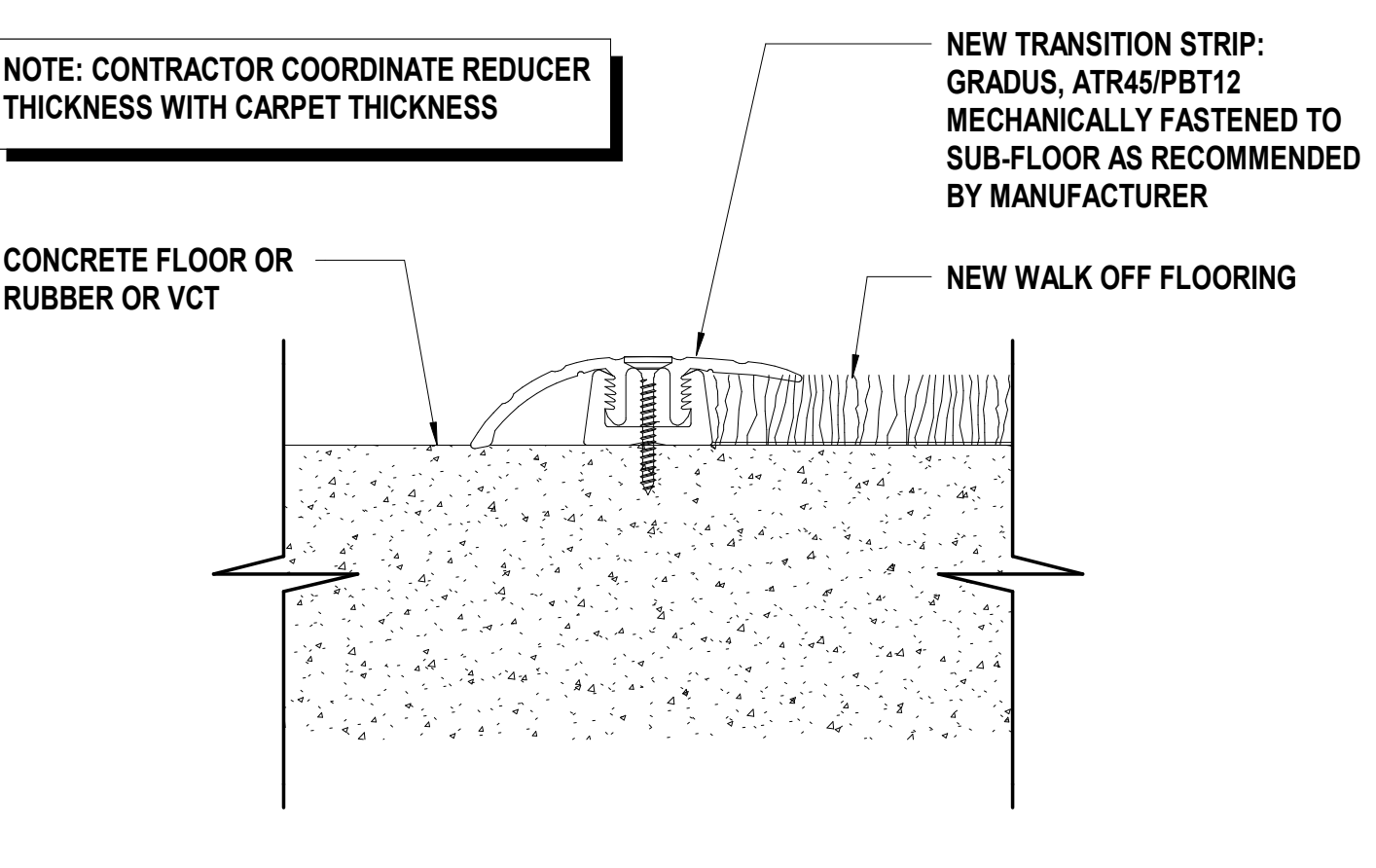
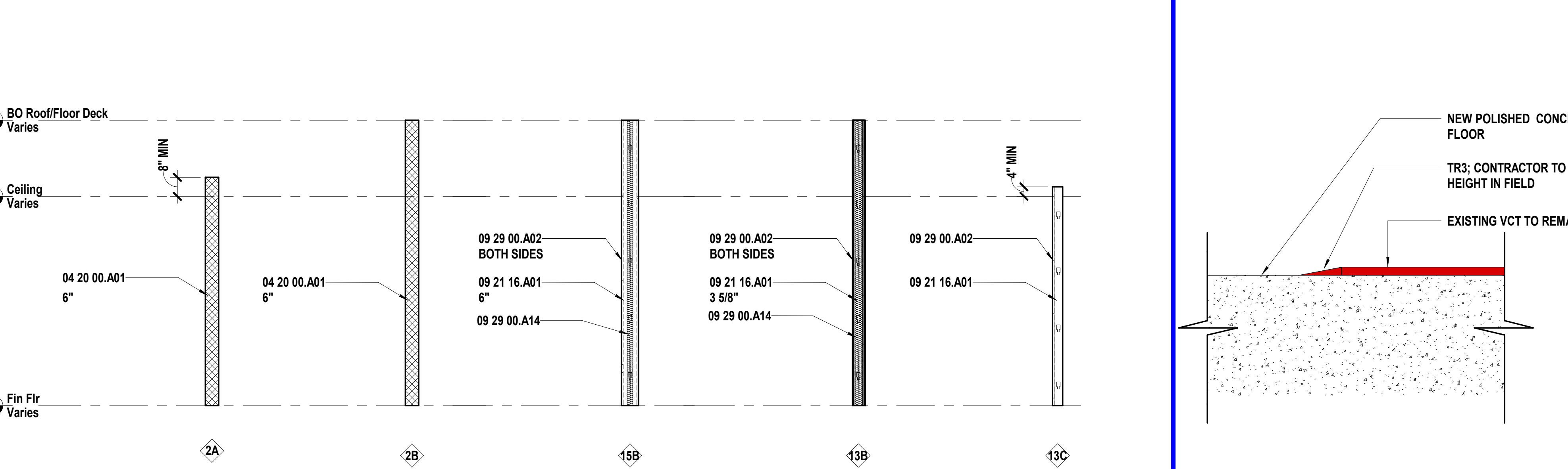
ROOM FINISH SCHEDULE

Room finish schedule table with columns: NO, ROOM Name, FLOOR, WALLS (North, East, South, West), CEILING, Finish Remarks. Lists rooms A001 through D010.

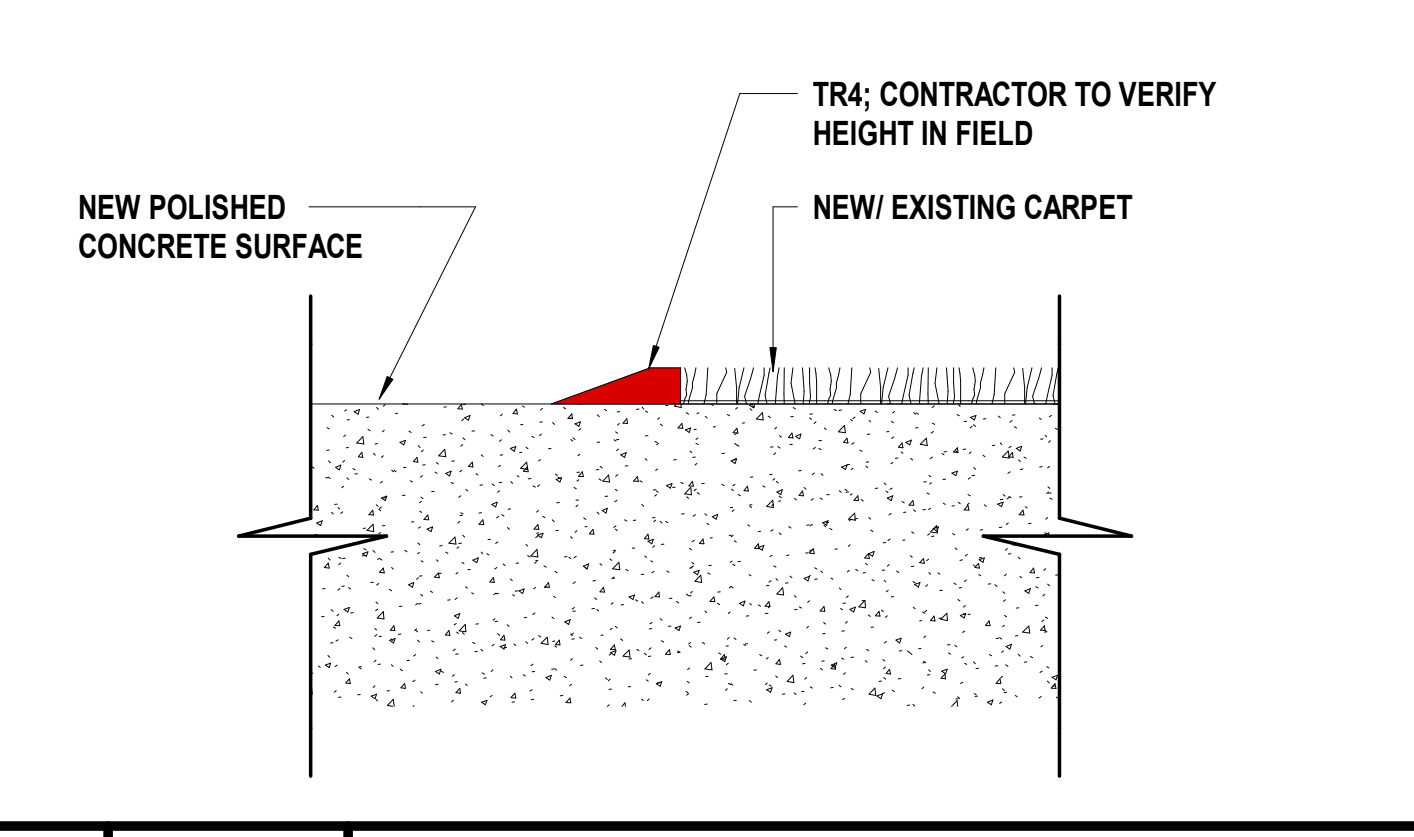
ROOM SCHEDULE REMARKS

- List of remarks regarding carpet removal, ceiling grid, and carpet installation details.

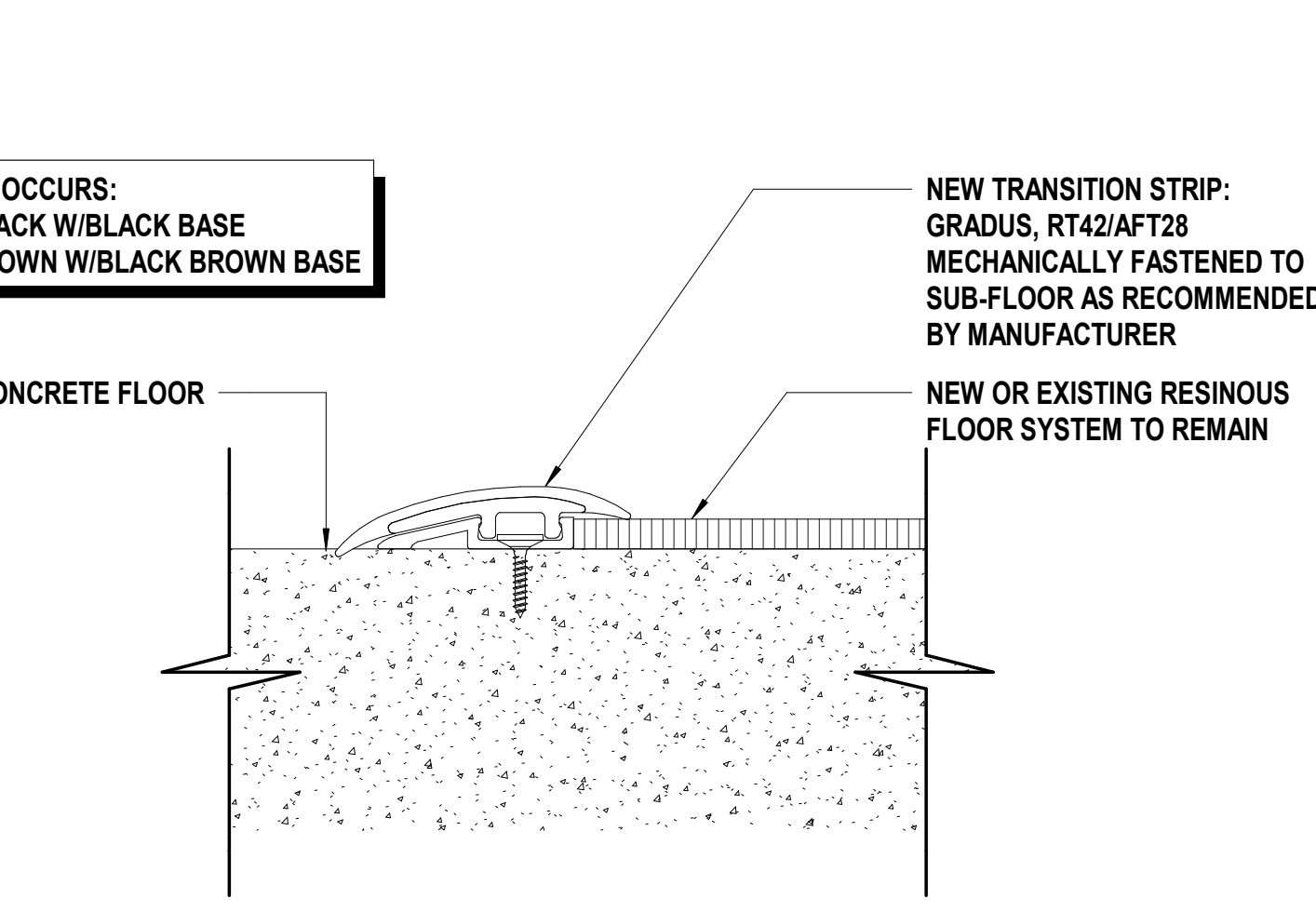
WALL TYPES



H12 Scale 12" = 1'-0" Flooring Reducer Strip Detail



E12 Scale 12" = 1'-0" Flooring Detail - Reducer at Existing Carpet



A12 Scale 12" = 1'-0" Flooring Reducer Strip Detail

A9 Scale 12" = 1'-0" Flooring Detail - Reducer at Existing Resinous/Vinyl Flooring



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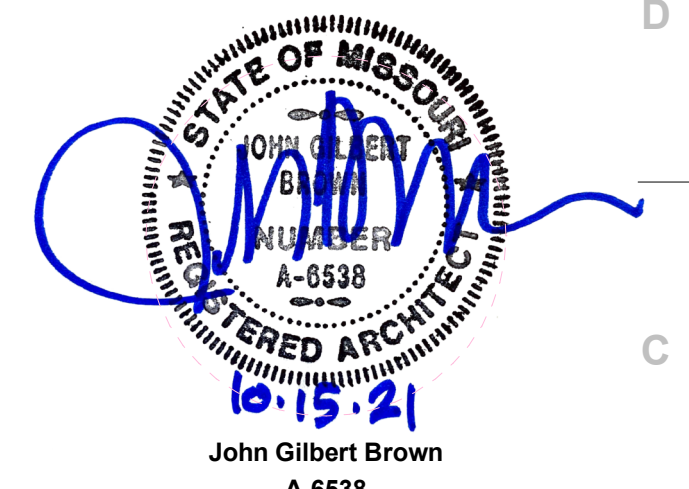
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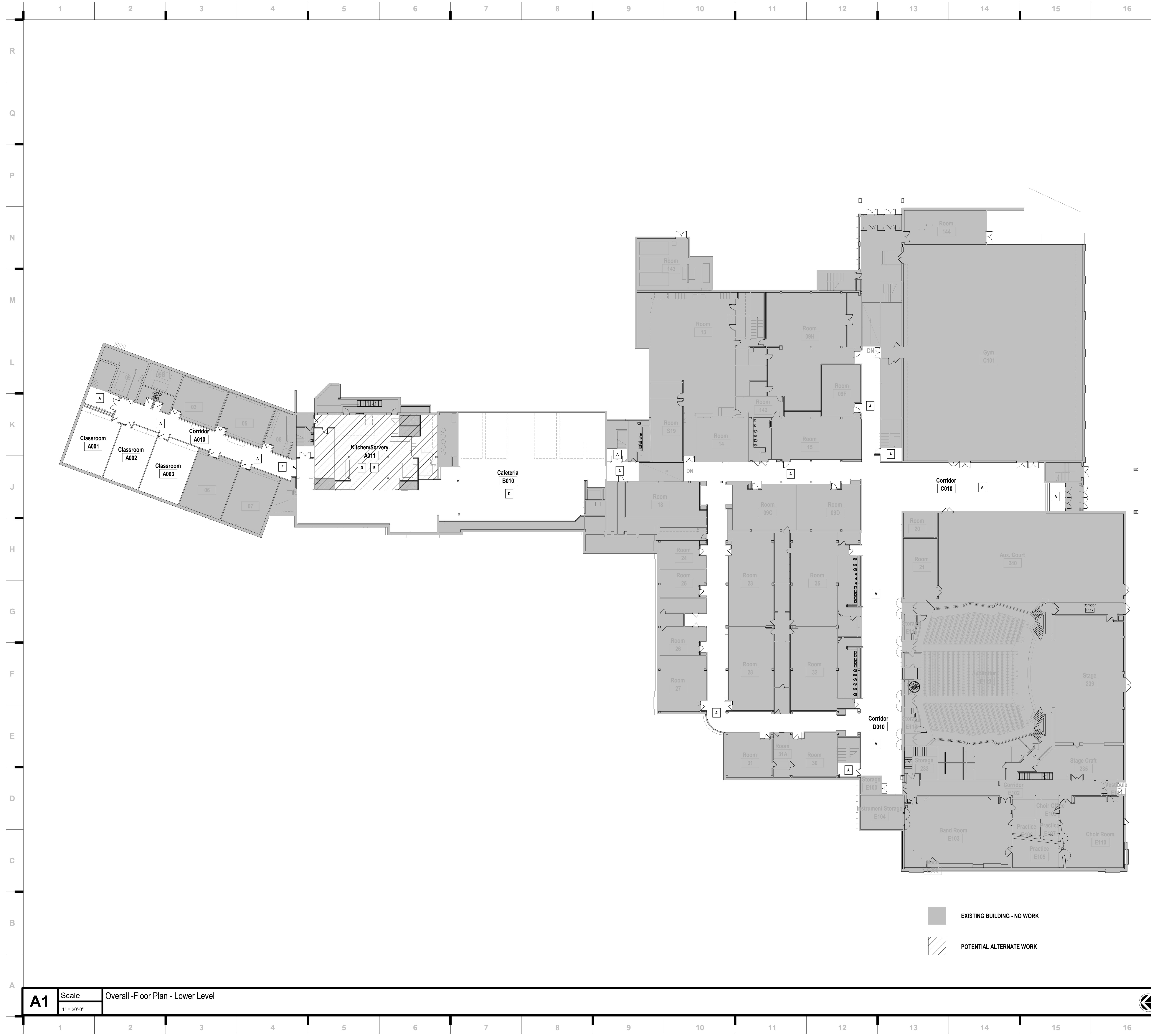
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REVISIONS table with columns #, Description, Date.



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A001



SHEET KEYNOTE LEGEND

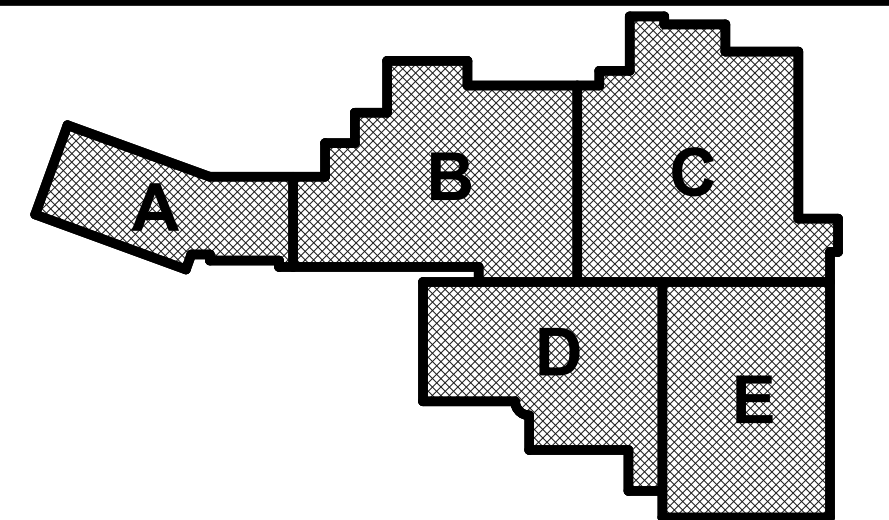
NEW CONSTRUCTION NOTES - FLOORING

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- E RE: ALTERNATE #1 ON SHEET G001
- F NEW EXPANSION JOINT COVER; RE: SPEC 07 95 00
- G NEW RUBBER TILE FLOORING RF1

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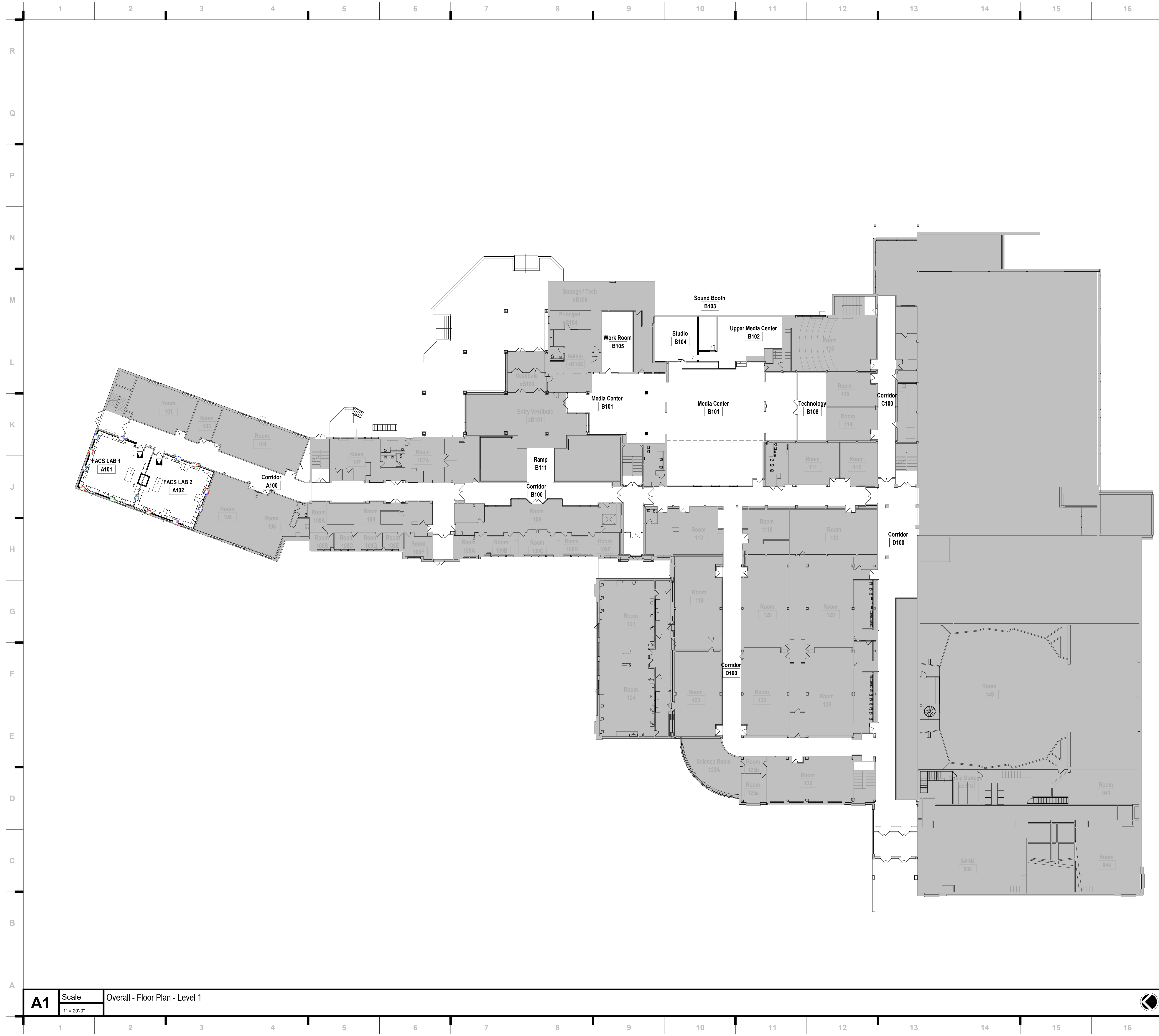
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A100



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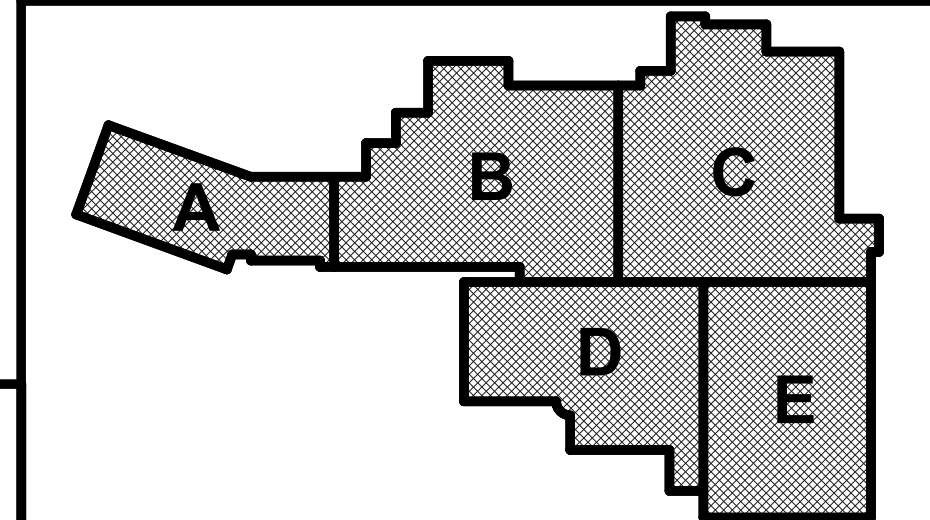
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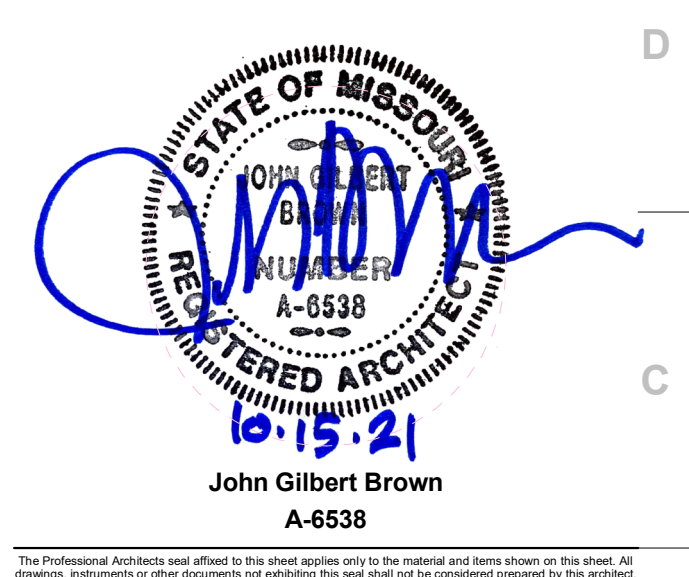
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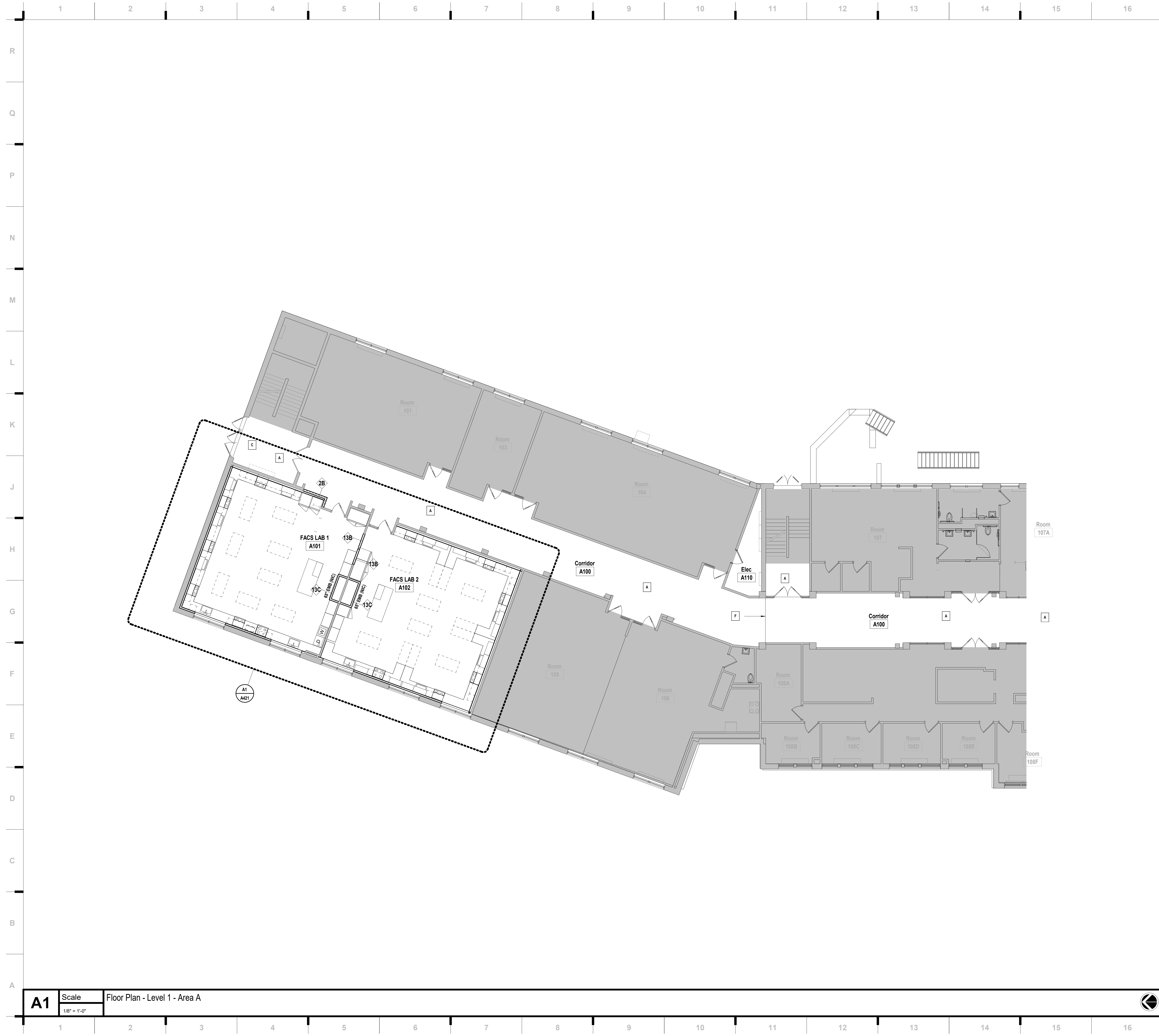
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A101

A1 Scale Overall - Floor Plan - Level 1
1" = 20'-0"



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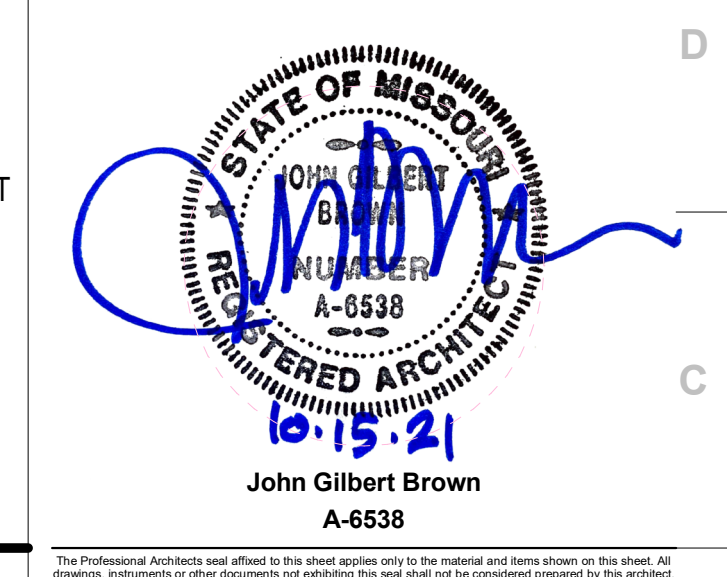
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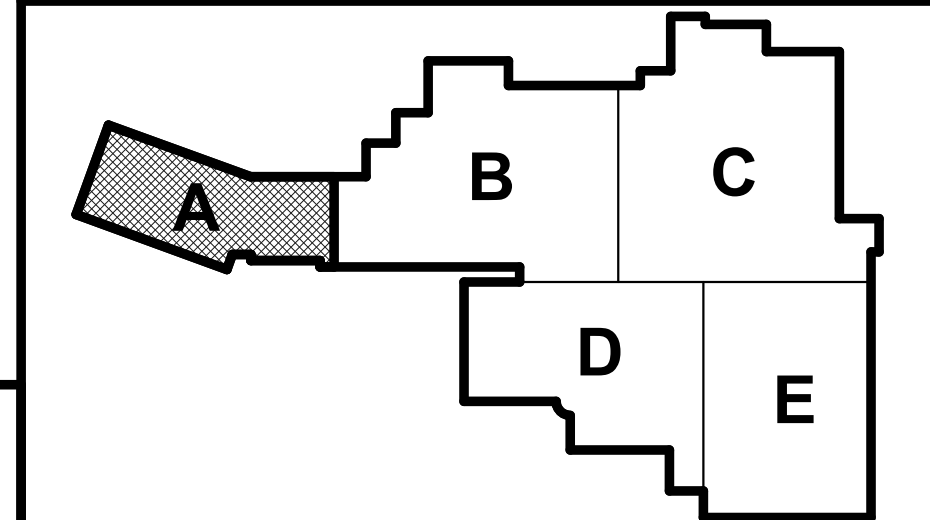
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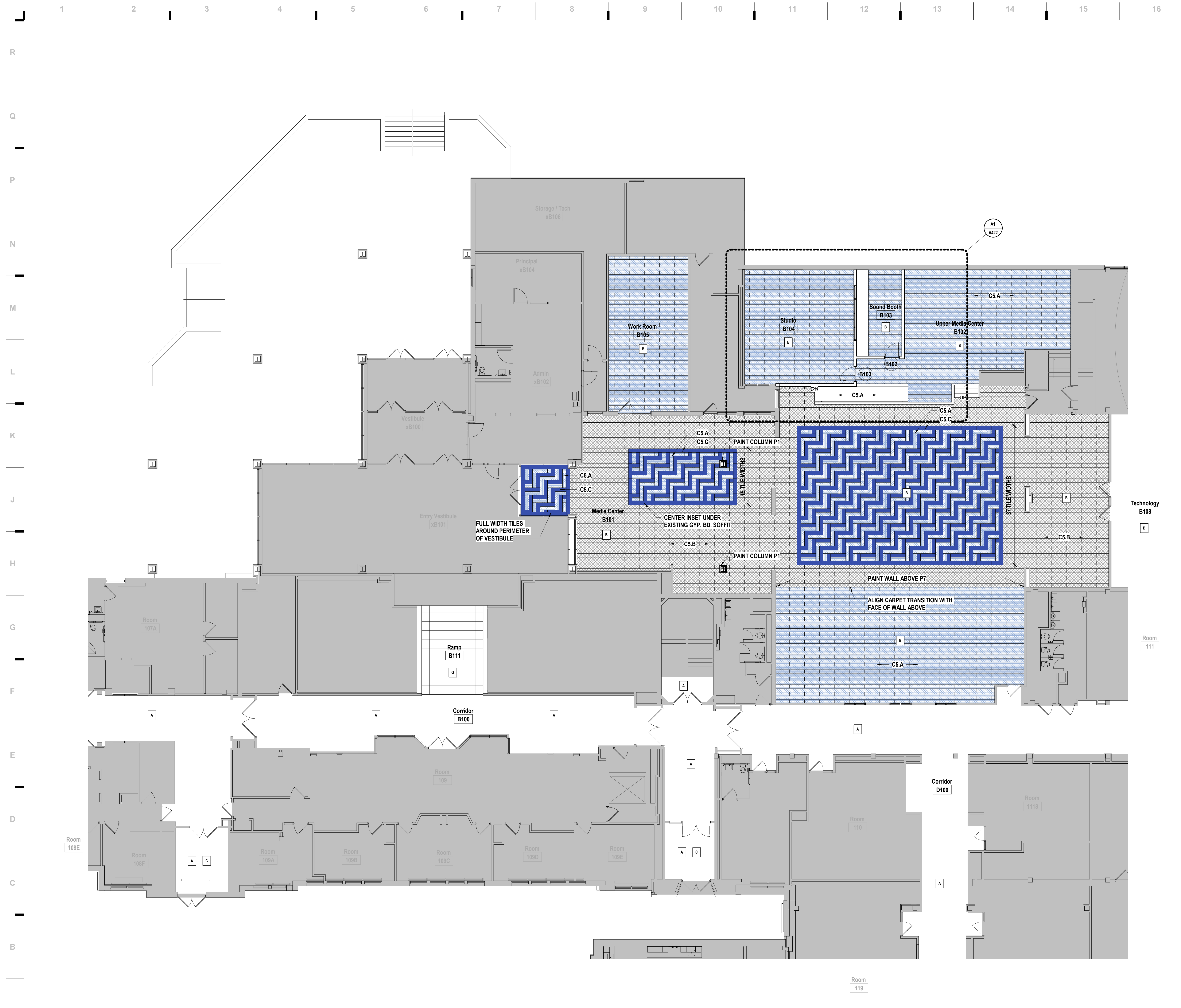


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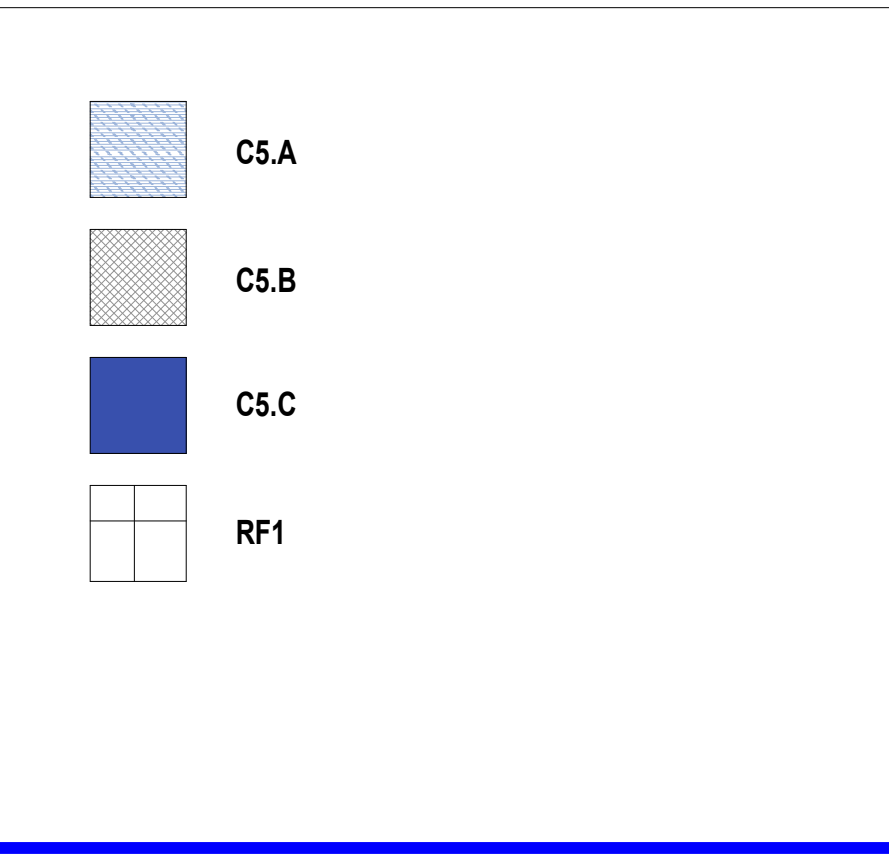
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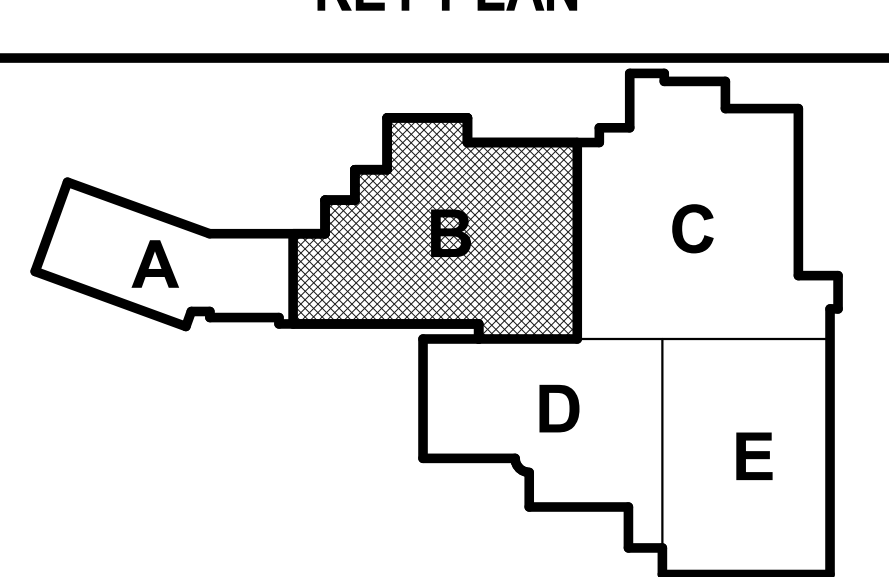
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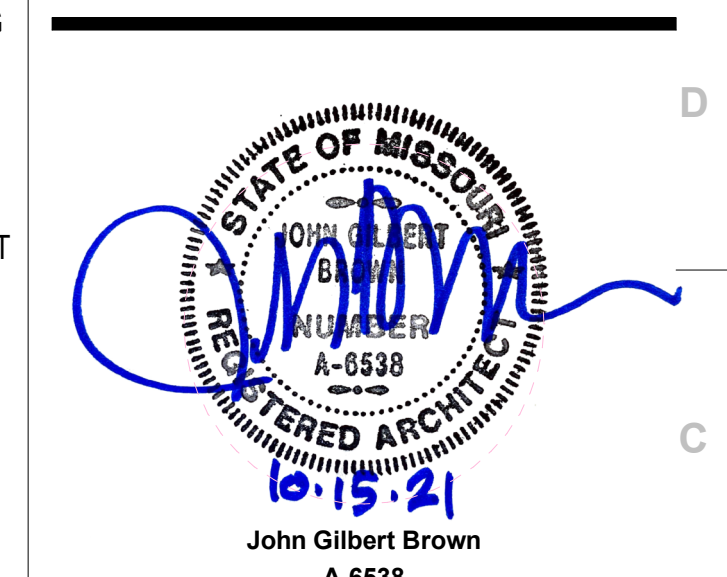
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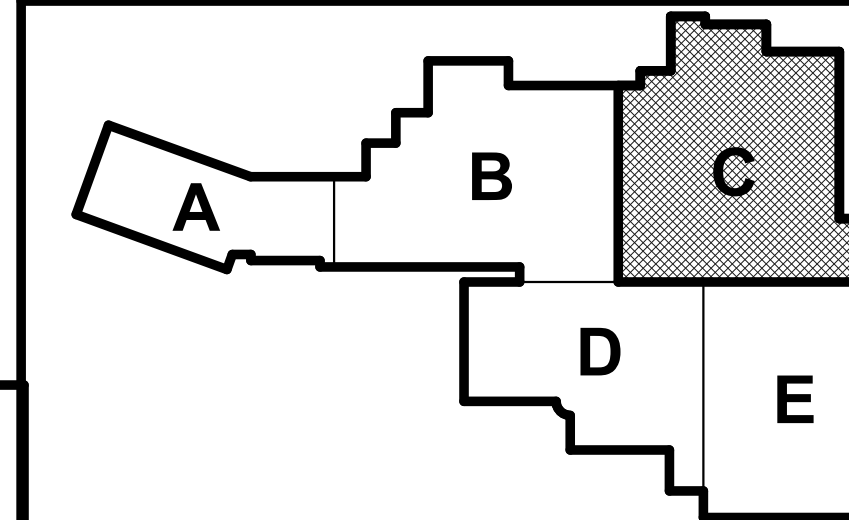


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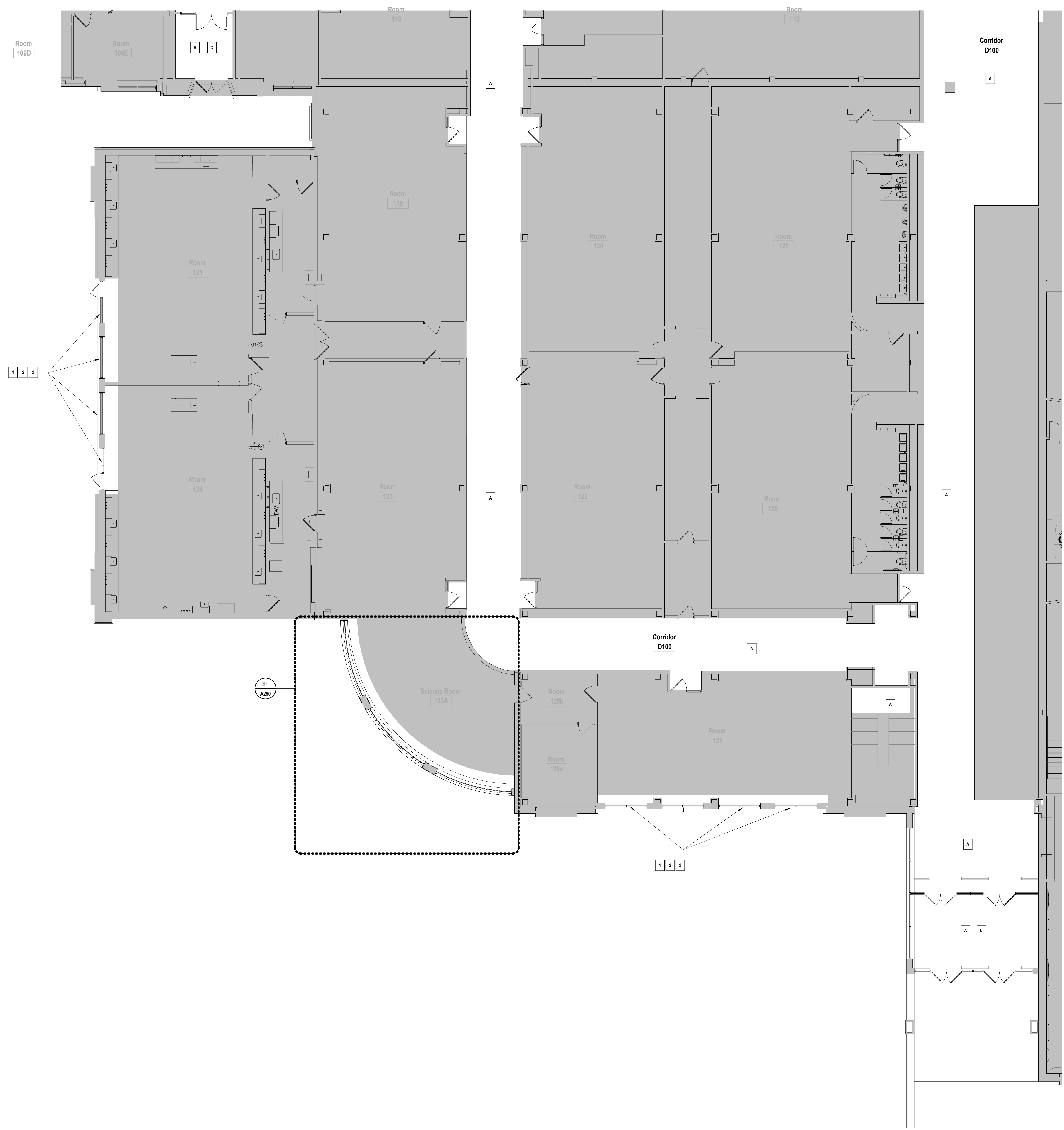
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A101C

KEY PLAN



A1 Scale 1/8" = 1'-0" Floor Plan - Level 1 - Area C



SHEET KEYNOTE LEGEND

NEW CONSTRUCTION NOTES - WINDOWS

- 1 NEW CAULKING AROUND EXISTING WINDOW FRAME.
- 2 NEW GASKETING AROUND EXISTING WINDOW
- 3 CLEAN WINDOW
- 4 REPLACE STEEL LINTEL
- 5 CLEAN AND PAINT LINTEL
- 6 POWER ACID WASH AND CLEAN FACE BRICK

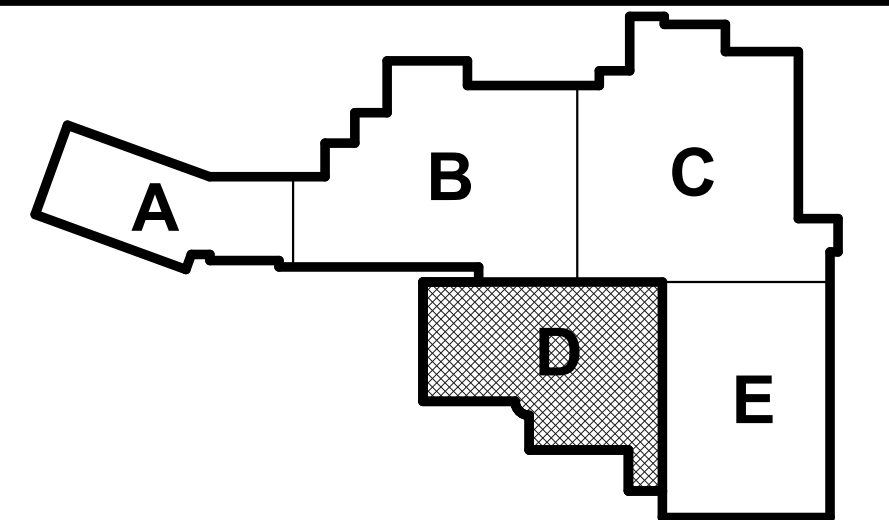
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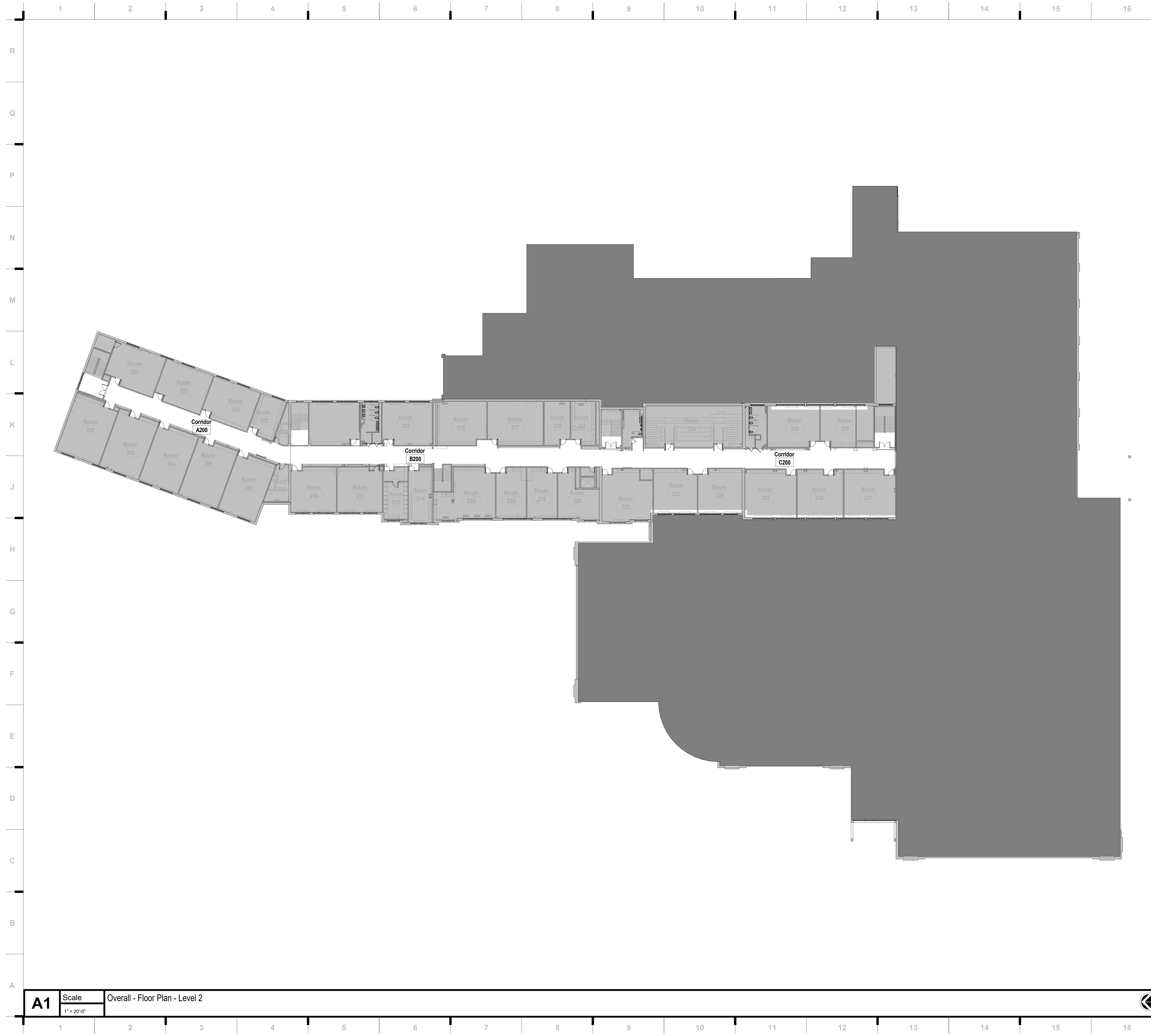
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John Gilbert Brown
A-6538

JOB NO: 21010.00
 DRAWN BY: SE ES
 CHECKED BY: SB
 DATE: 10.15.2021

A101D

A1 Scale
 1/8" = 1'-0"
 Floor Plan - Level 1 - Area D



SHEET KEYNOTE LEGEND

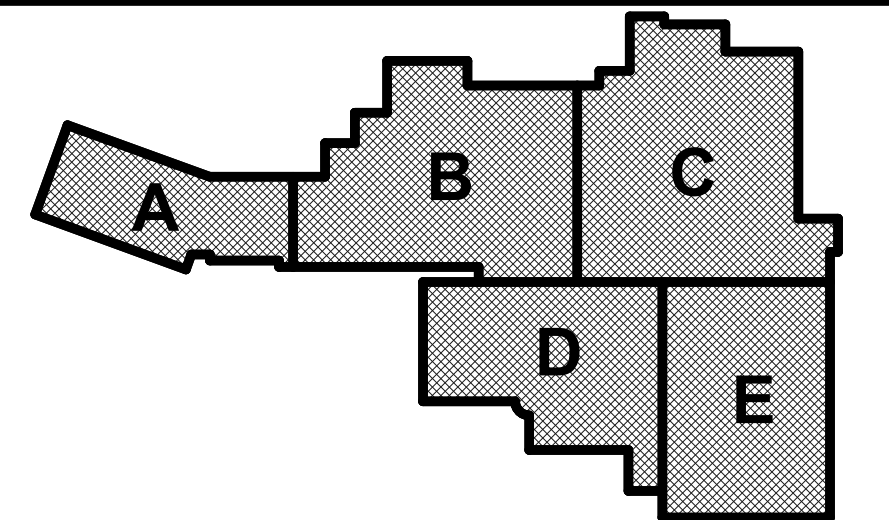
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- A NEW FLOORING COM1: POLISH EXISTING CONCRETE, RE: SPEC; REPLACE TRANSITION STRIPS @ OPENINGS, RE: FINISH LEGEND
- B NEW FLOORING CARPET; RE: PLAN AND ROOM FINISH SCHEDULE
- C NEW FLOORING WALK OFF CARPET C4 TO INFILL EXISTING METAL TRACK WHERE APPLICABLE
- D NEW FLOORING ET; RE: ROOM FINISH SCHEDULE
- E RE: ALTERNATE #1 ON SHEET G001
- F NEW EXPANSION JOINT COVER; RE: SPEC 07 95 00
- G NEW RUBBER TILE FLOORING RF1

SHEET NOTES

1. REFER TO SHEET G000 FOR SHEET INDEX
2. DO NOT SCALE THIS DRAWING
3. INTERIOR DIMENSIONS ARE TO THE FOLLOWING, UNLESS NOTED OTHERWISE.
 - A. TO FACE OF STUD
 - B. TO FACE OF MASONRY UNIT
 - C. TO FACE OF DOOR AND WINDOW ROUGH OPENINGS
4. COORDINATE LOCATIONS WHERE BACKING IS REQUIRED FOR WALL HUNG CASEWORK, MARKERBOARDS, WALL HUNG ACCESSORIES AND TECHNOLOGY
5. COORDINATE WALL REPAIR AND INSTALLATION OF NEW DOORS AND WINDOWS WITH DEMOLITION SHEETS
6. COORDINATE FINISHES TO REMAIN WITH DEMOLITION SHEET

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100% CONSTRUCTION DOCUMENTS

Raytown High School Renovation
 Raytown Quality Schools
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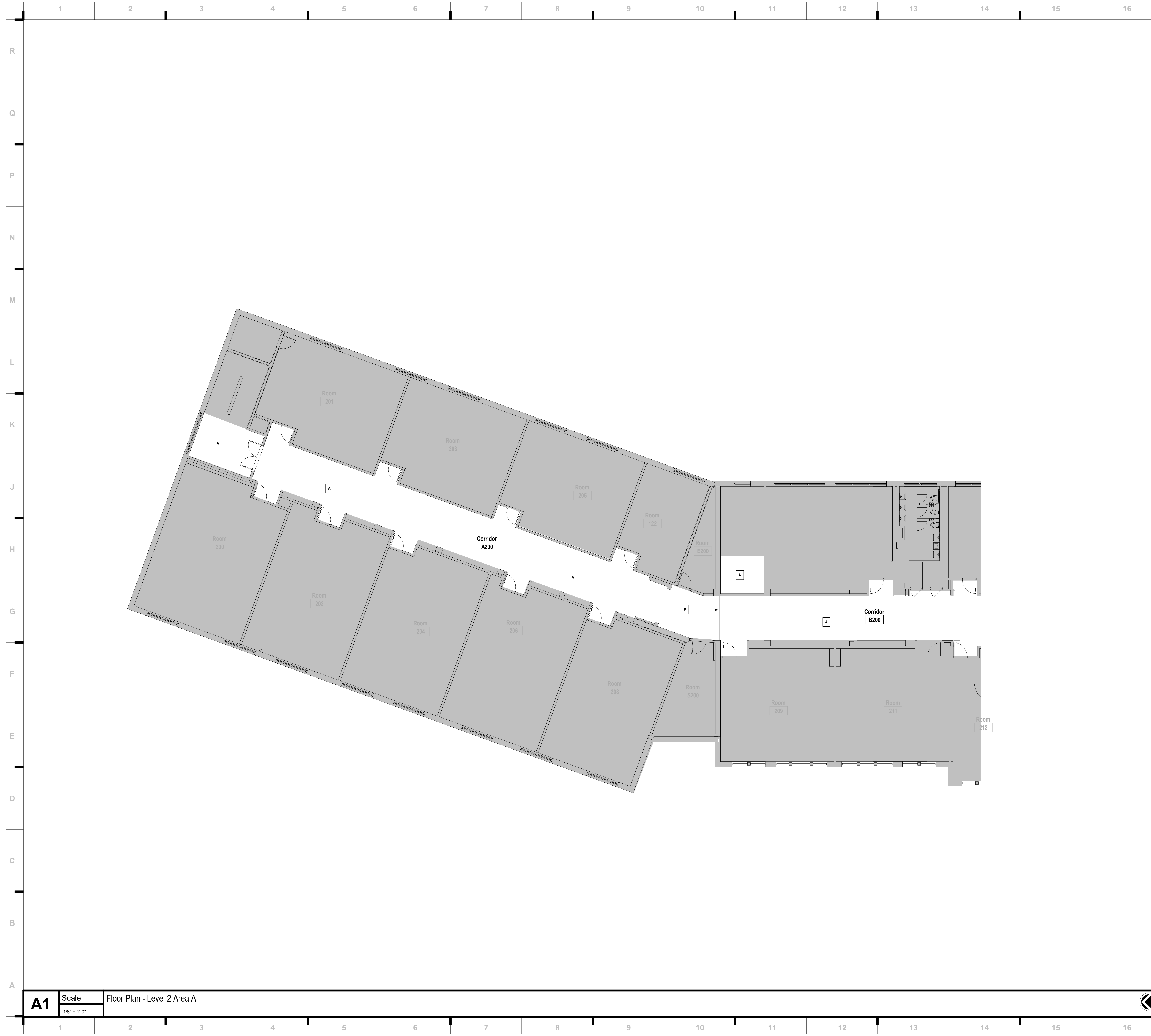
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#	Description	Date



JOB NO: 21010.00
 DRAWN BY: SE
 CHECKED BY: SB
 DATE: 10.15.2021

A102



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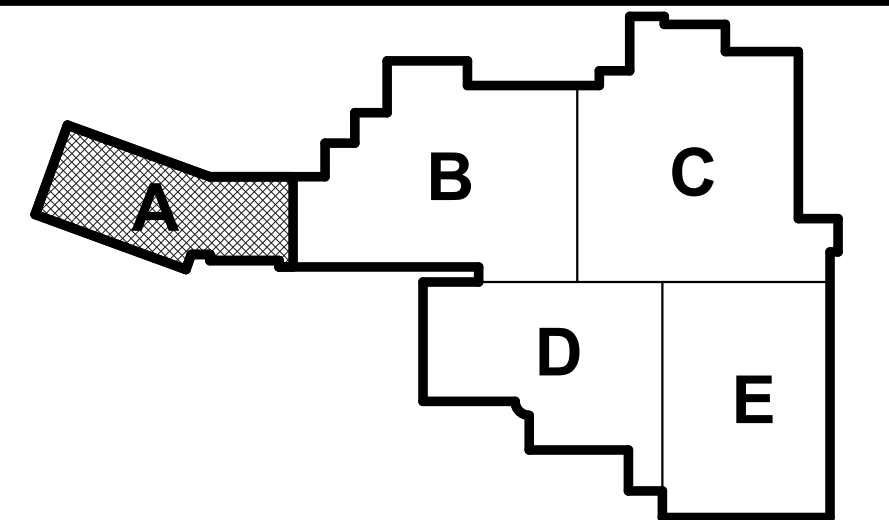
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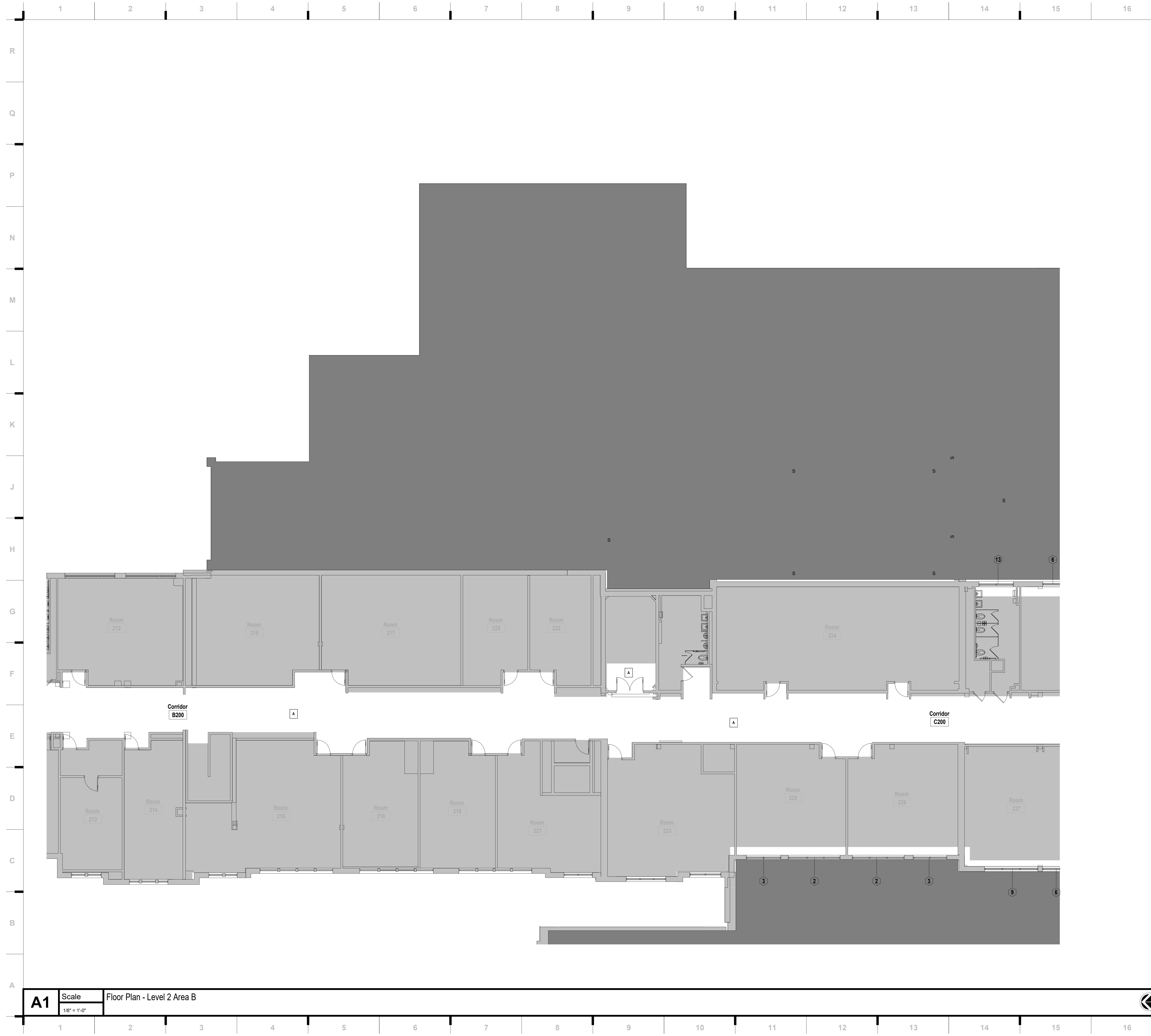
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 DATE: 10.15.2021

A102A



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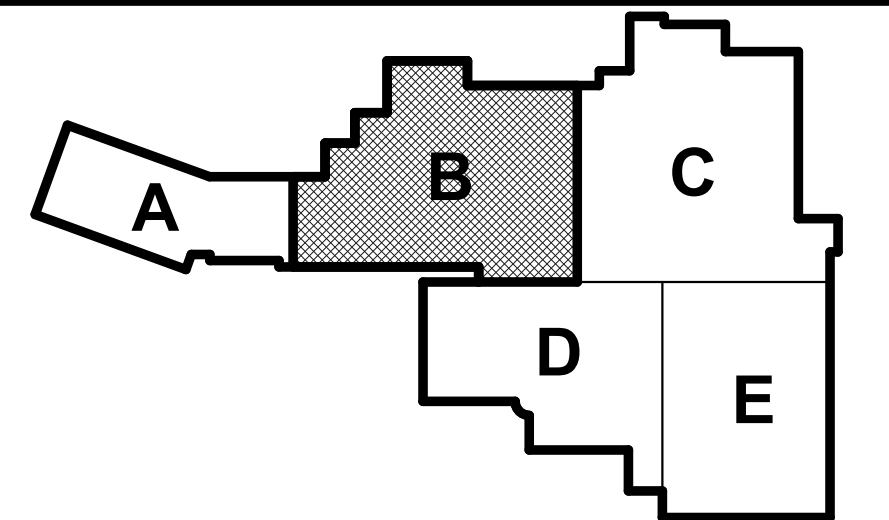
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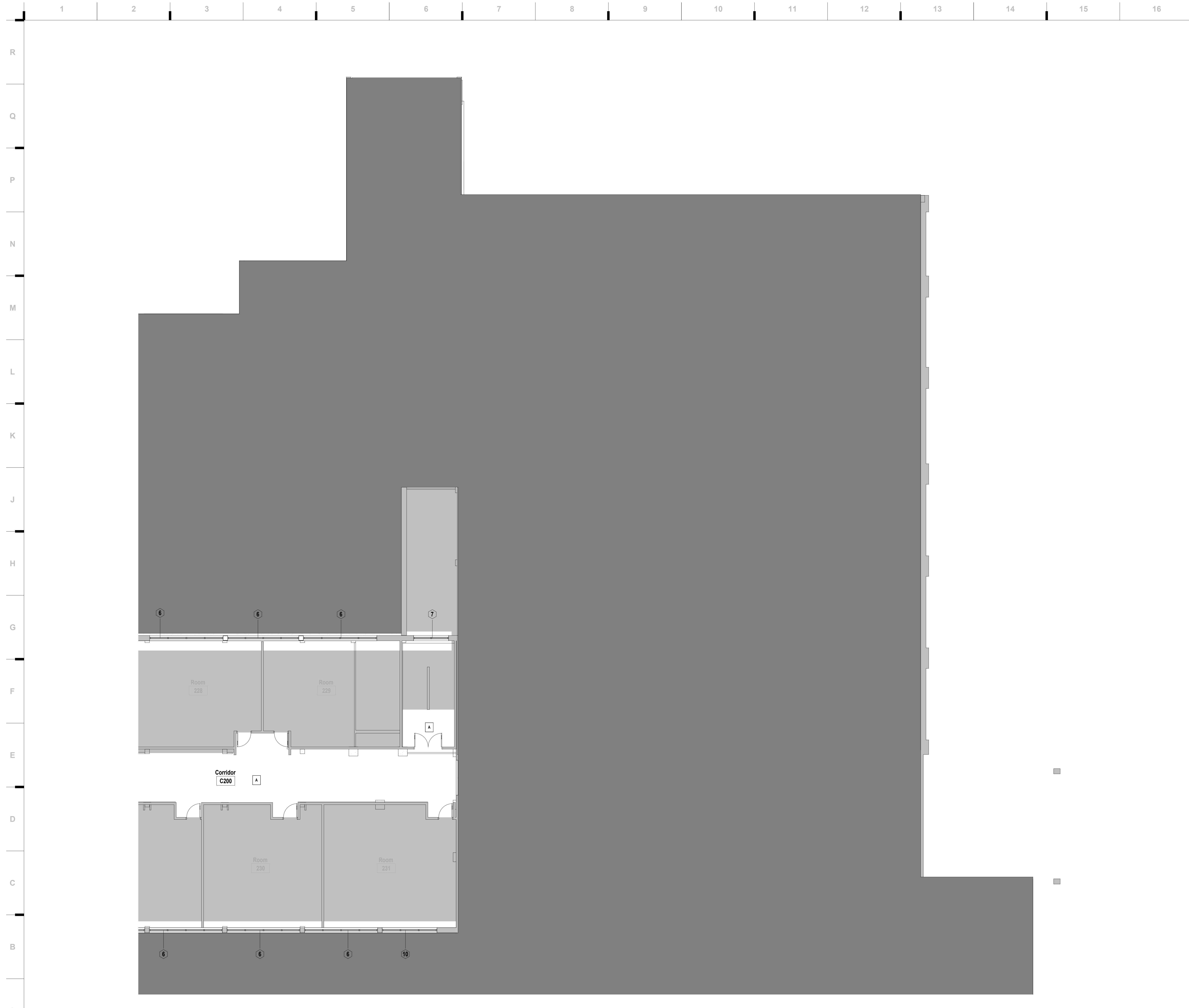
REVISIONS:

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JOB NO: 21010.00
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A102B



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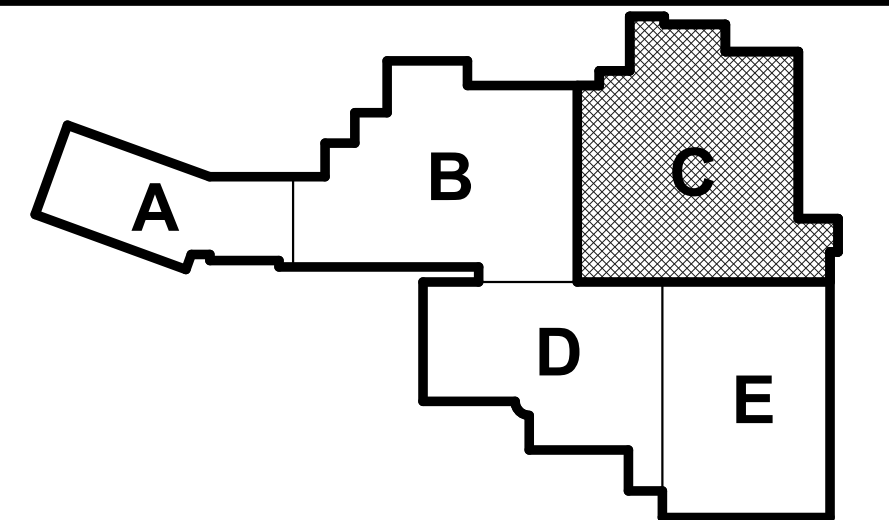
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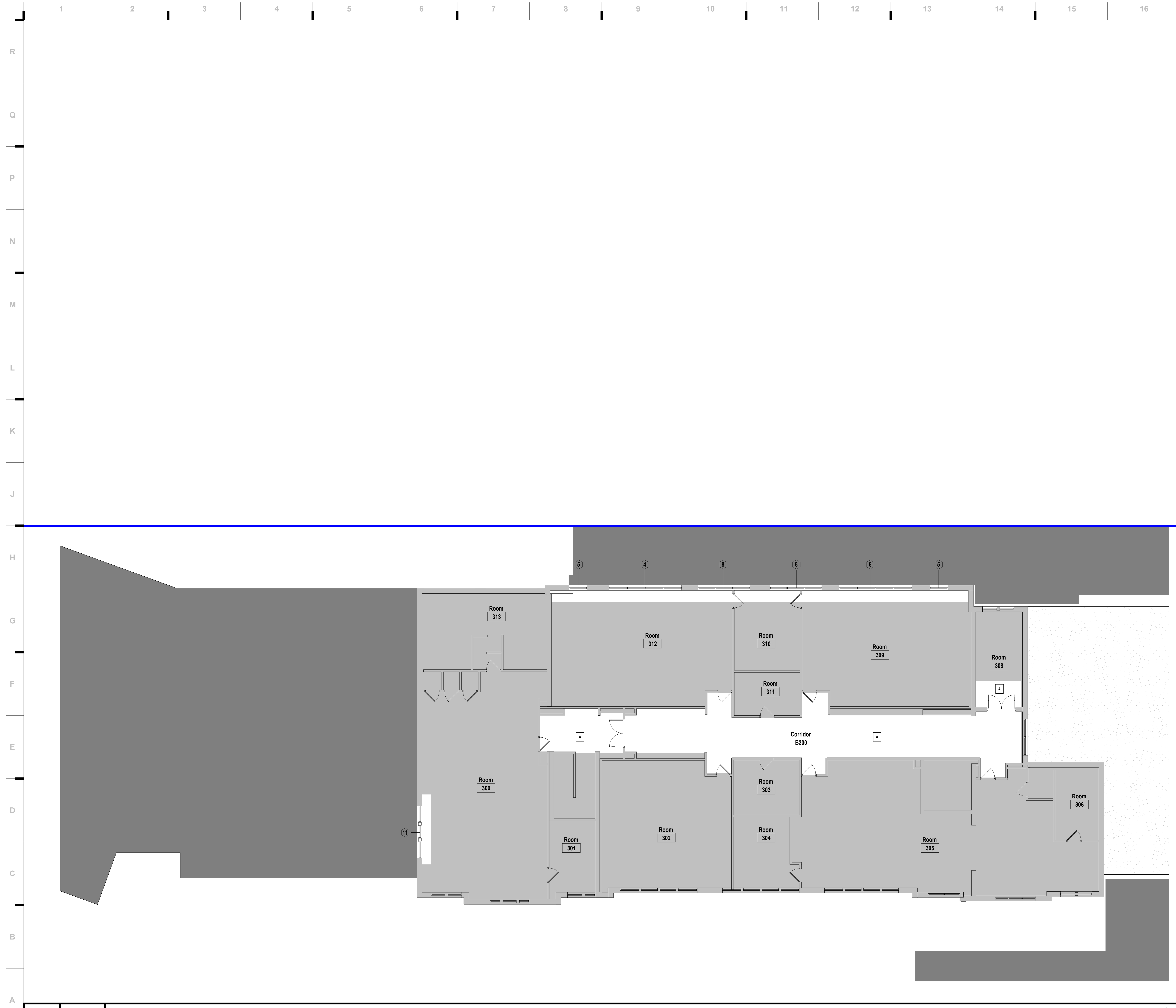
KEY PLAN



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A102C

A1 Scale 1/8" = 1'-0"
 Floor Plan - Level 2 Area C



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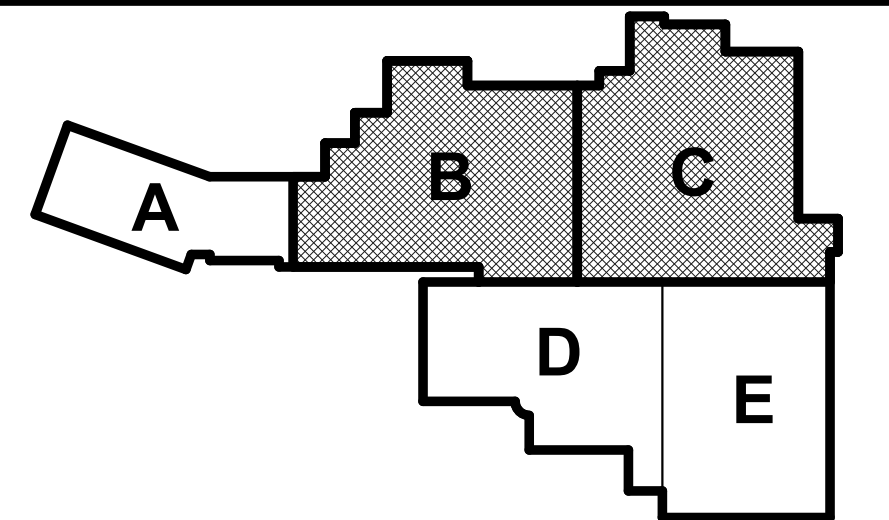
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KEY PLAN

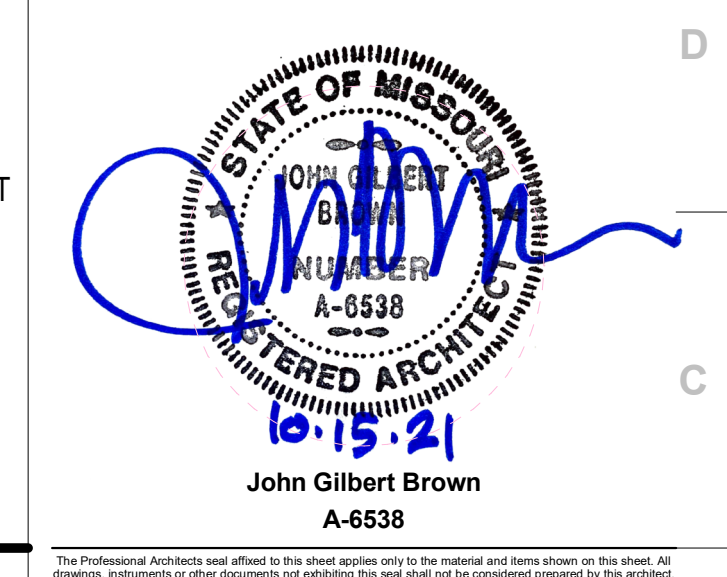


100% CONSTRUCTION DOCUMENTS

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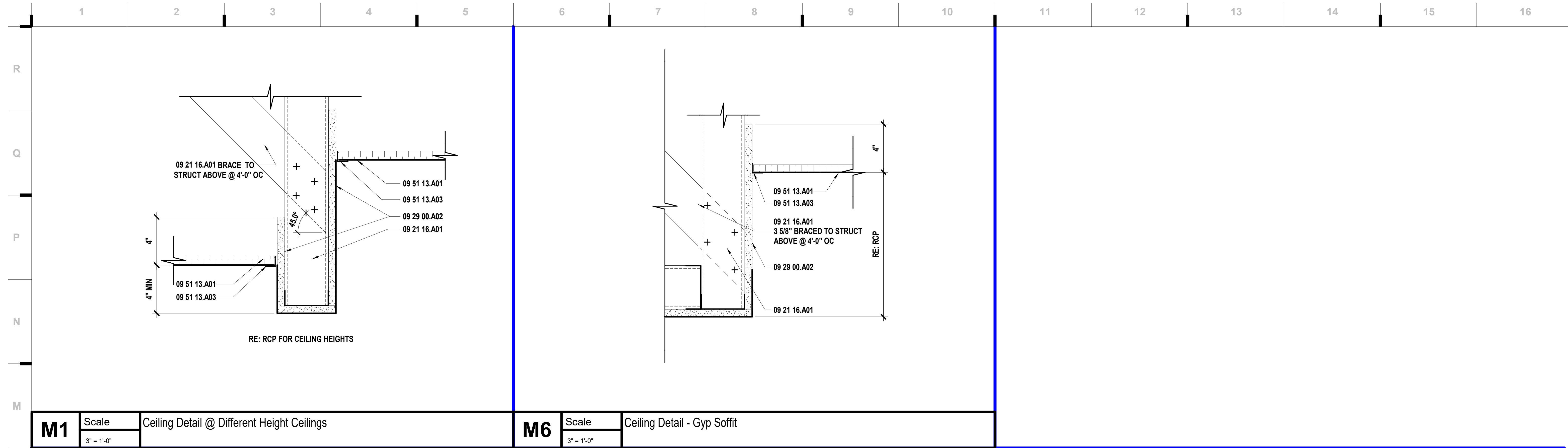
REVISIONS:

#	Description	Date



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A103



M1 Scale 3" = 1'-0" Ceiling Detail @ Different Height Ceilings

M6 Scale 3" = 1'-0" Ceiling Detail - Gyp Soffit

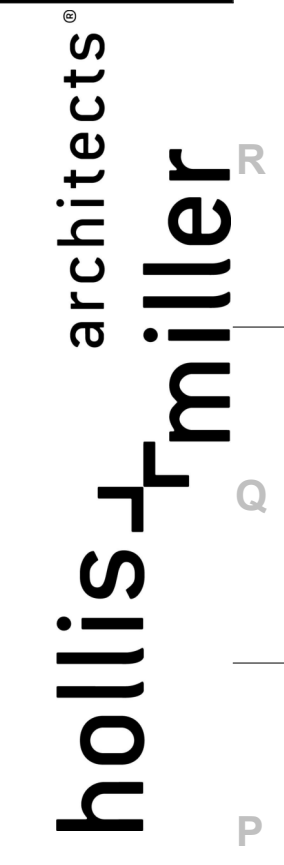
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09 29 00.A02	GYP SUM BOARD - TYPE X
09 51 13.A01	ACOUSTICAL CEILING PANELS
09 51 13.A03	EDGE MOLDINGS AND TRIM

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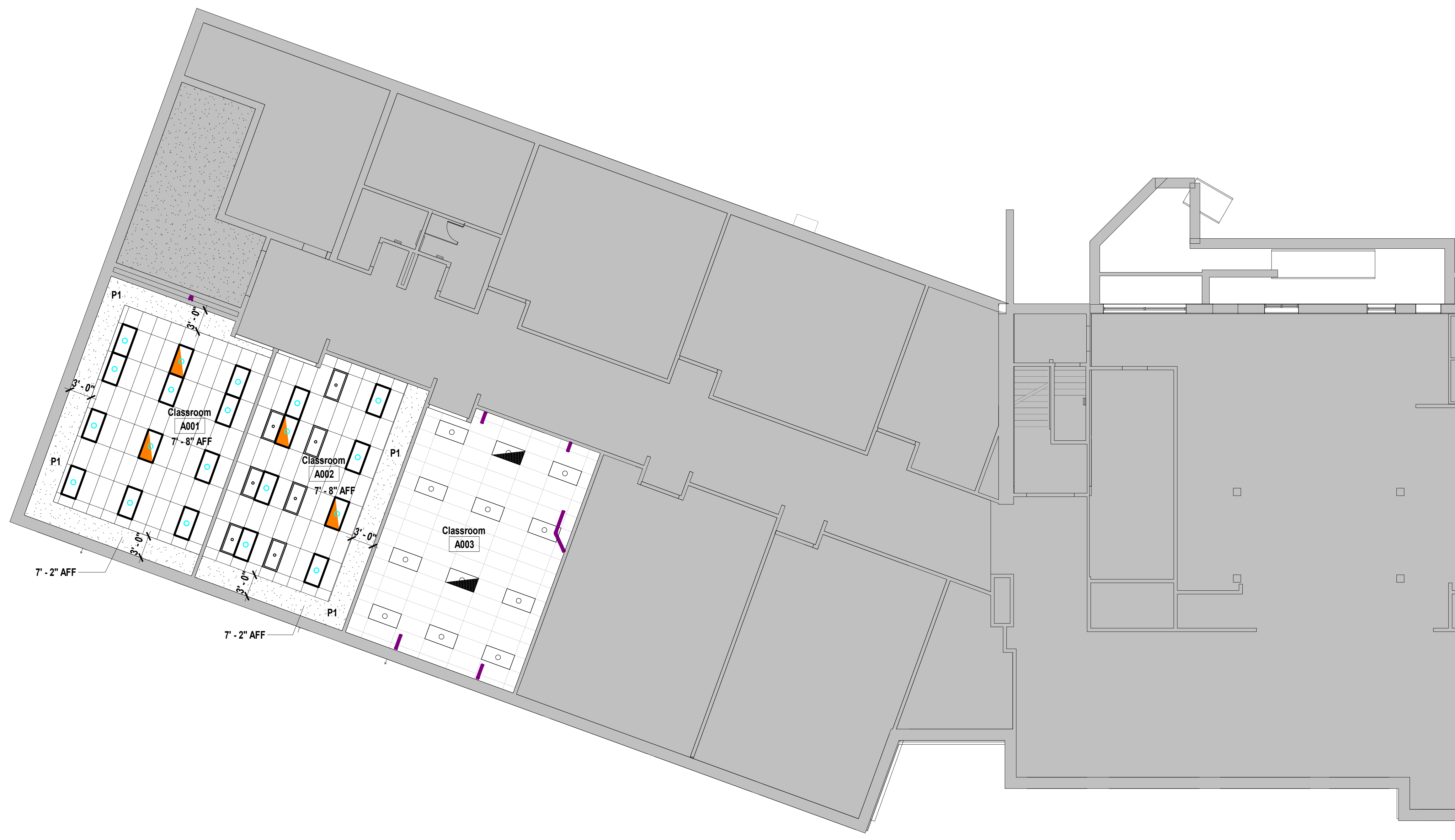
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SHEET MATERIAL FINISH LEGEND

ID	MATERIAL	COLOR/FINISH
CLG1	Ceiling	WHITE
CLG2	Ceiling	WHITE
P1	Paint	BOB'S LEGACY WHITE
P7	Paint	TBD
WF1	Window Film	SH2MAOW WHITE

100% CONSTRUCTION DOCUMENTS



A1 Scale 1/8" = 1'-0" Reflected Ceiling Plan - Area A - Lower Level

SHEET NOTES

- REFER TO SHEET G000 FOR SHEET INDEX
- REFER TO MEP AND TECHNOLOGY SHEETS FOR SPECIFIC CEILING MOUNTED DEVICES

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A120A



EXISTING BUILDING - NO WORK
 POTENTIAL ALTERNATE WORK

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SHEET MATERIAL FINISH LEGEND

ID	MATERIAL	COLOR/FINISH
CLG1	Ceiling	WHITE
CLG2	Ceiling	WHITE
P1	Paint	BOB'S LEGACY WHITE
P7	Paint	TBD
WF1	Window Film	SH2MAOW WHITE

SHEET NOTES

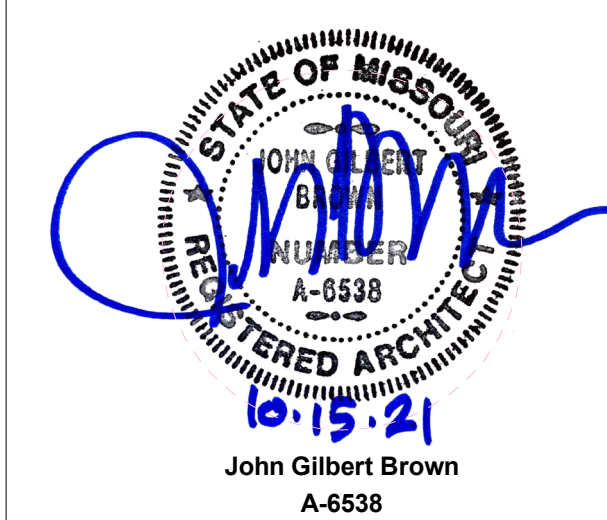
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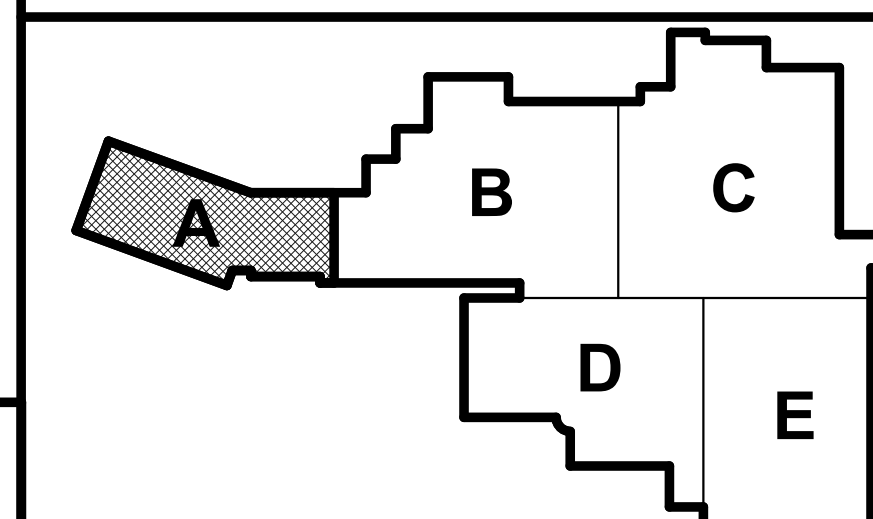
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JOHN GILBERT BROWN
 A-6538

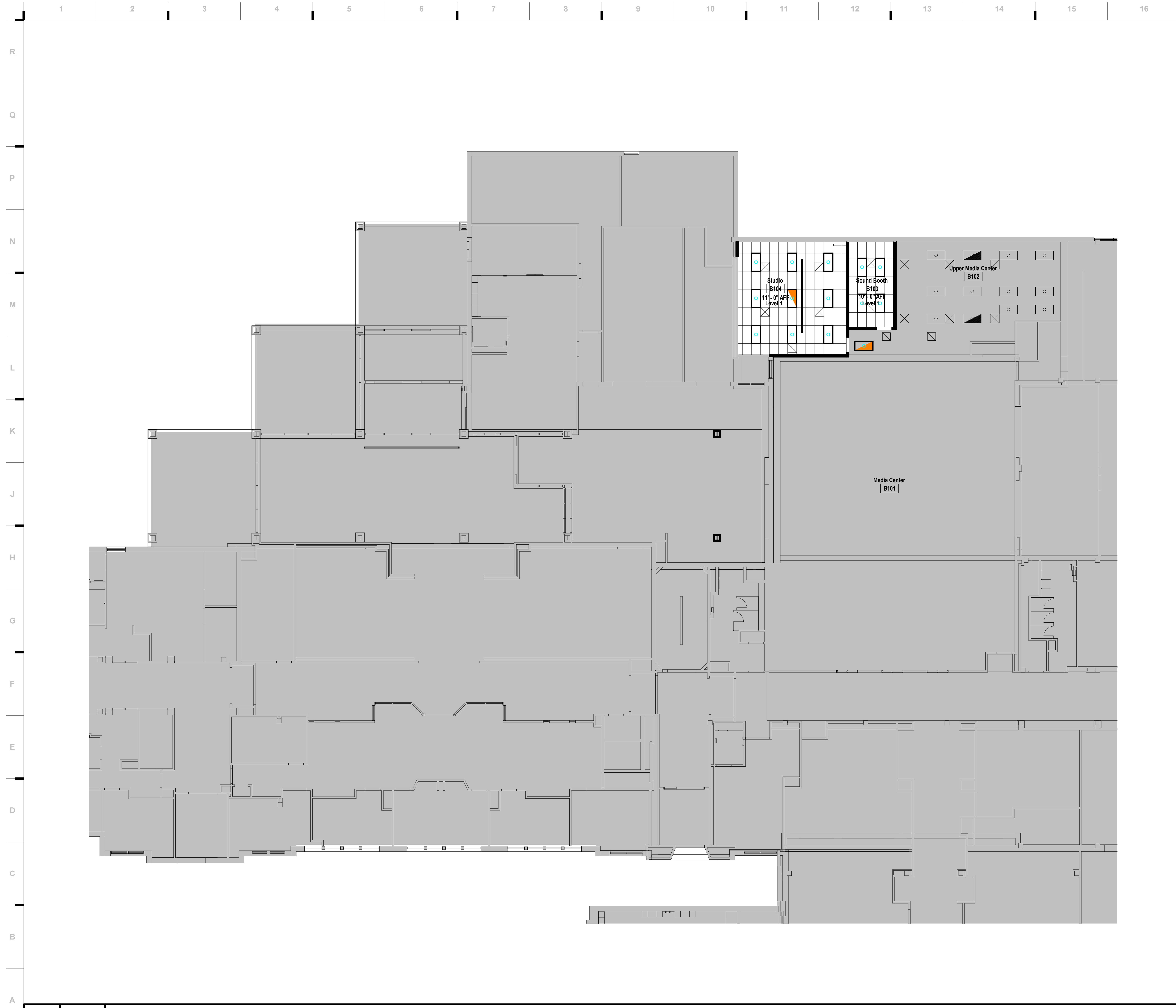
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KEY PLAN



A121A

A1 Scale Reflected Ceiling Plan - Area A - Level 1
 1/8" = 1'-0"



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SHEET MATERIAL FINISH LEGEND

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CLG2	Ceiling	WHITE
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P7	Paint	TBD
WF1	Window Film	SH2MAOW WHITE

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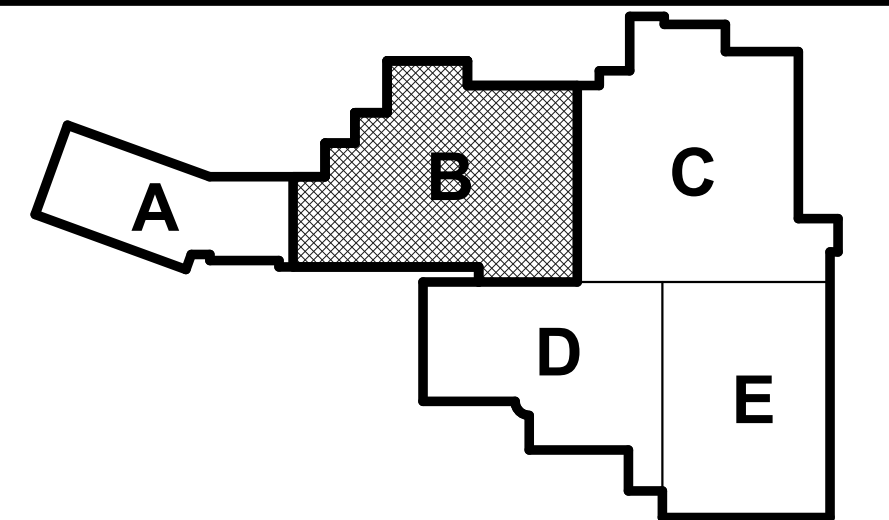
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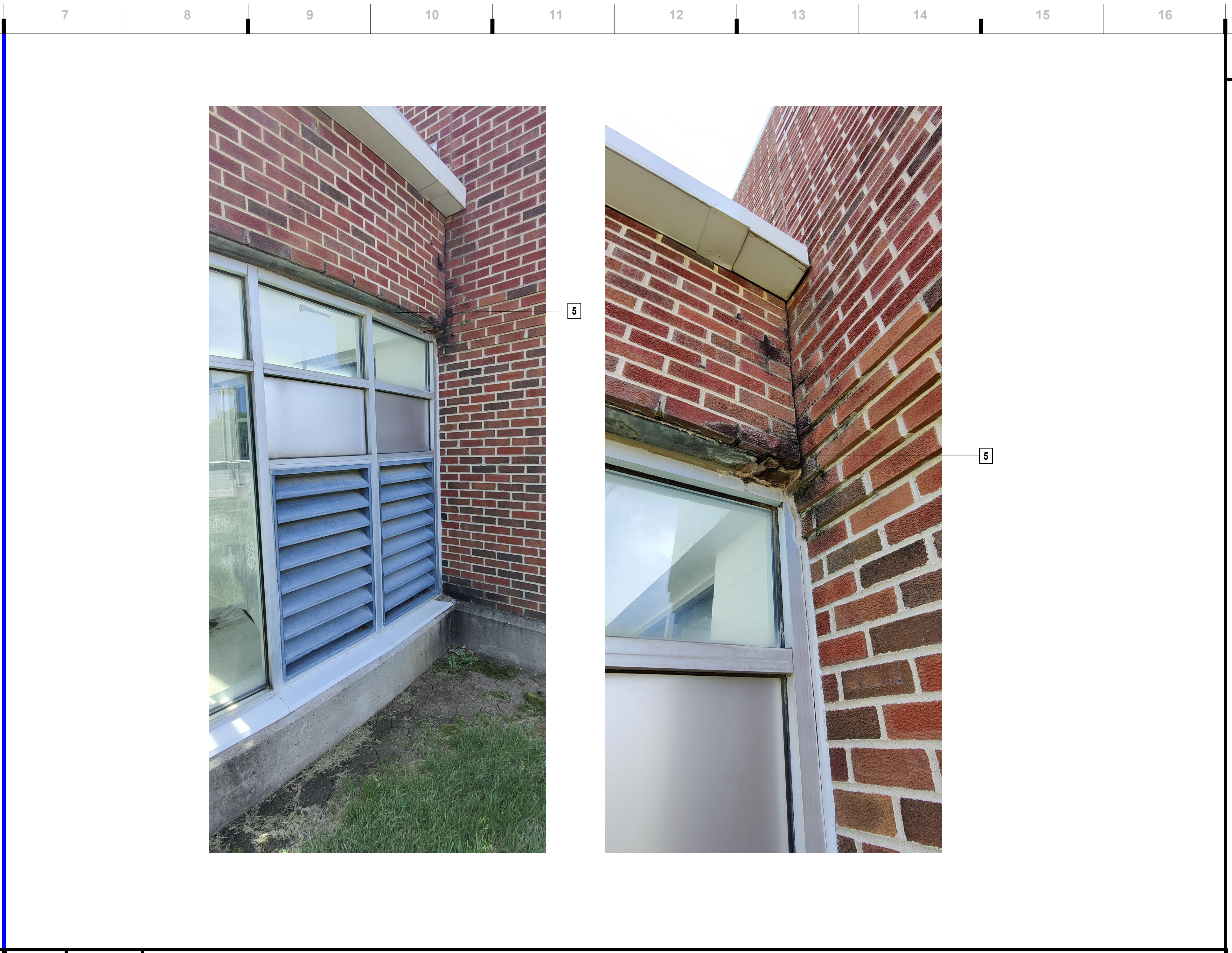
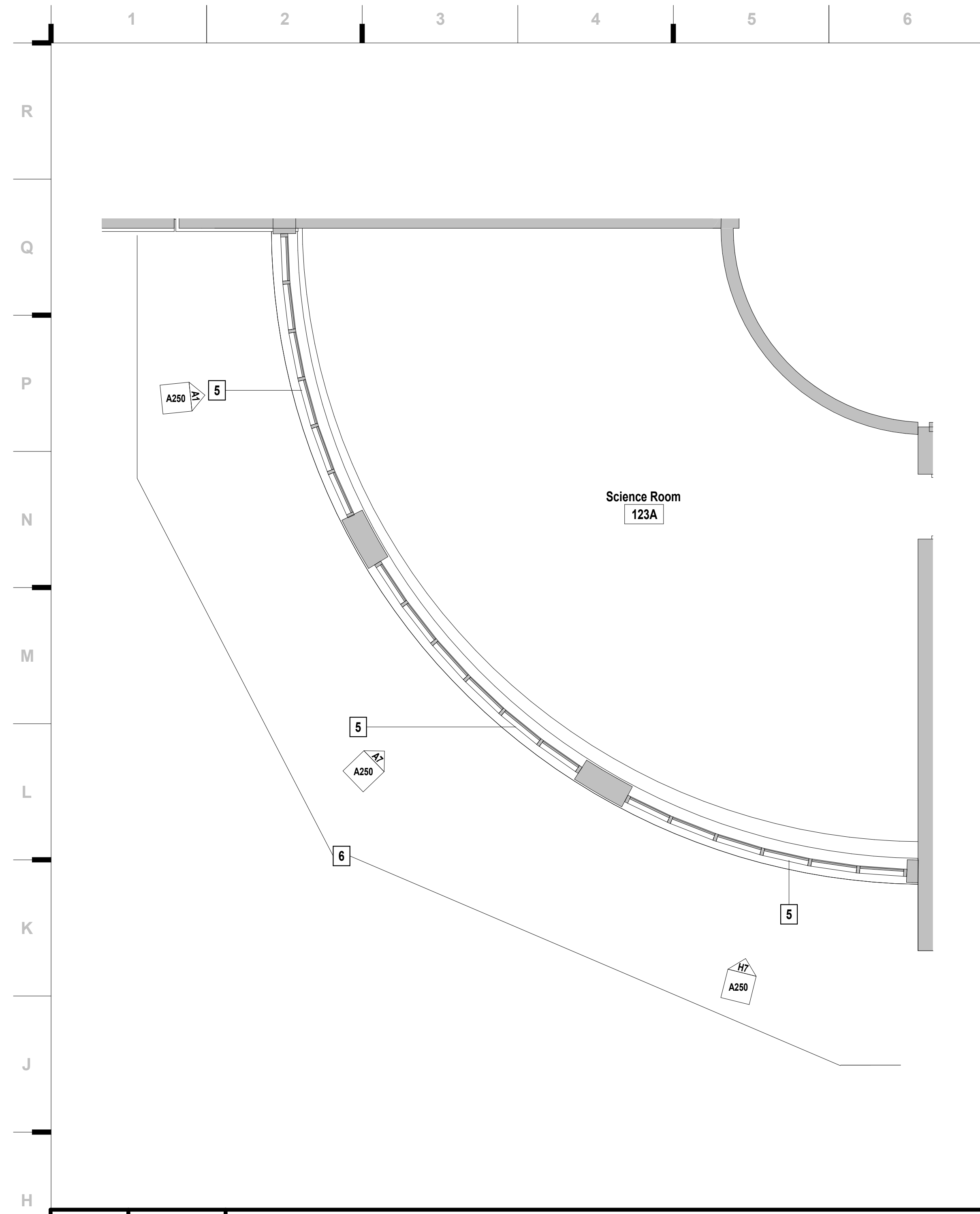
KEY PLAN



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A121B

A1 Scale Reflected Ceiling Plan - Area B - Level 1
 1/8" = 1'-0"



H1 Scale 1/4" = 1'-0" Floor Plan - Level 1 - Science Room

H7 Scale 1/4" = 1'-0" SCIENCE ROOM - LEVEL 1 - SW



A1 Scale 1/16" = 1'-0" SCIENCE ROOM - LEVEL 1 - NW

A7 Scale 1/4" = 1'-0" SCIENCE ROOM - LEVEL 1 - W

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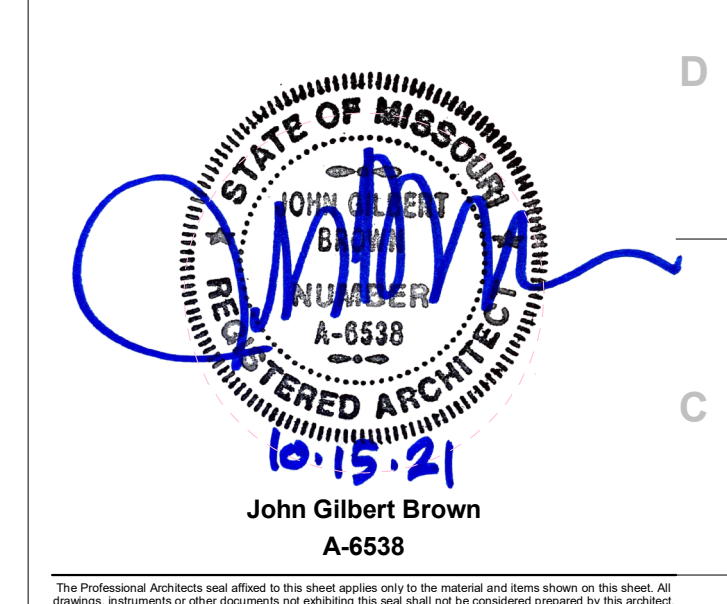
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NEW CONSTRUCTION NOTES - WINDOWS

- 1 NEW CAULKING AROUND EXISTING WINDOW FRAME.
- 2 NEW GASKETING AROUND EXISTING WINDOW
- 3 CLEAN WINDOW
- 4 REPLACE STEEL LINTEL
- 5 CLEAN AND PAINT LINTEL
- 6 POWER ACID WASH AND CLEAN FACE BRICK

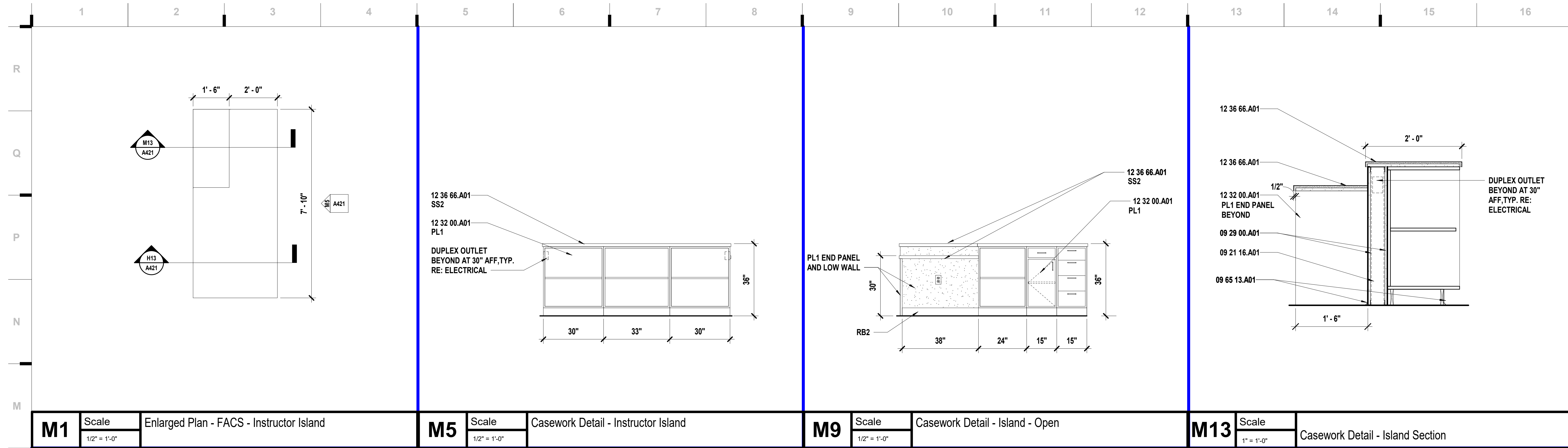


SHEET NOTES

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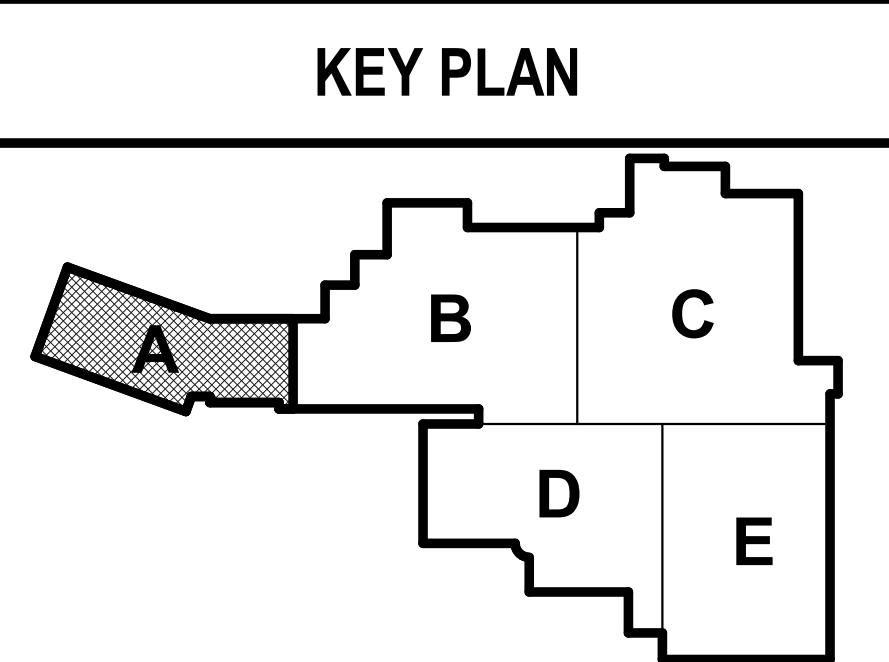
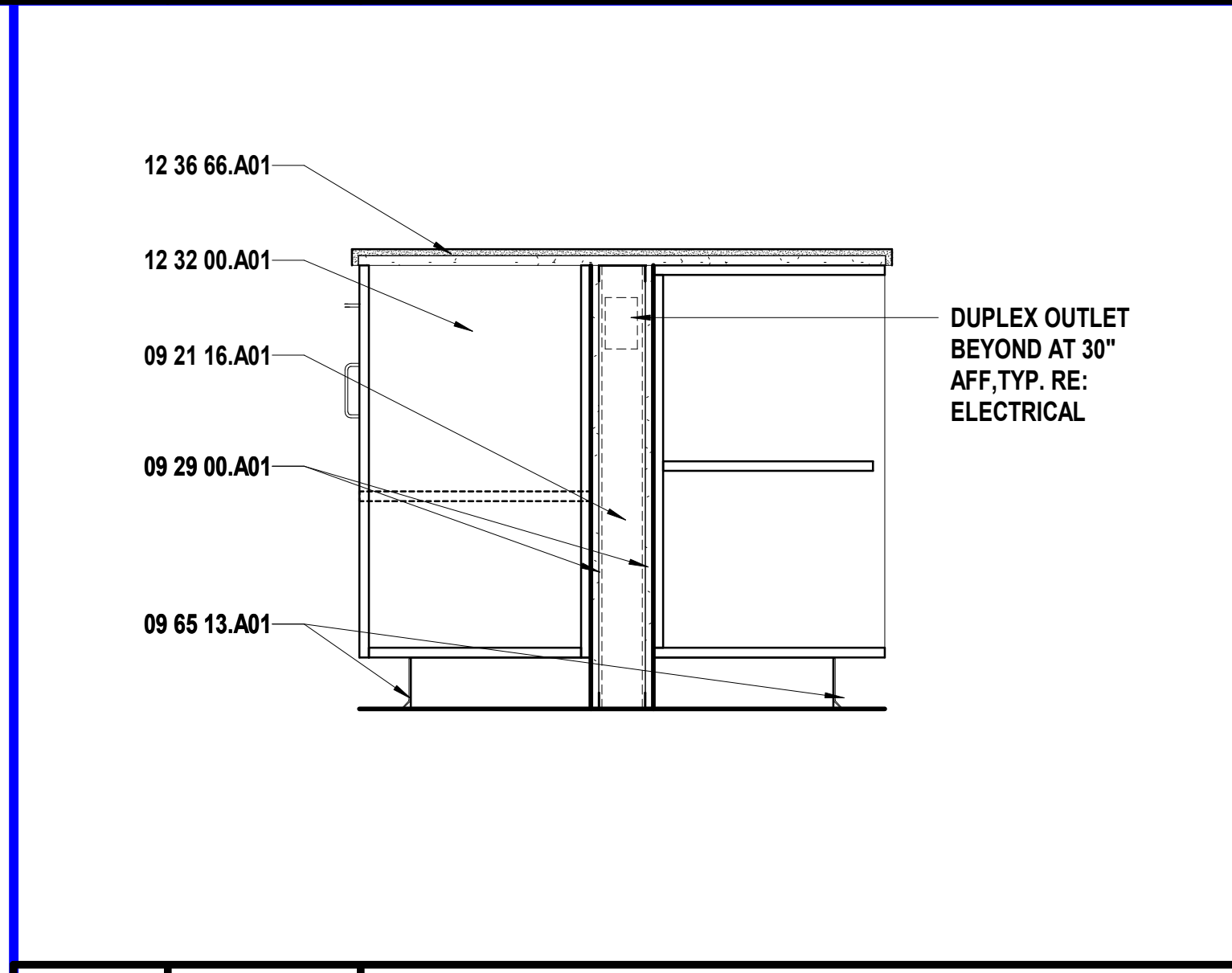
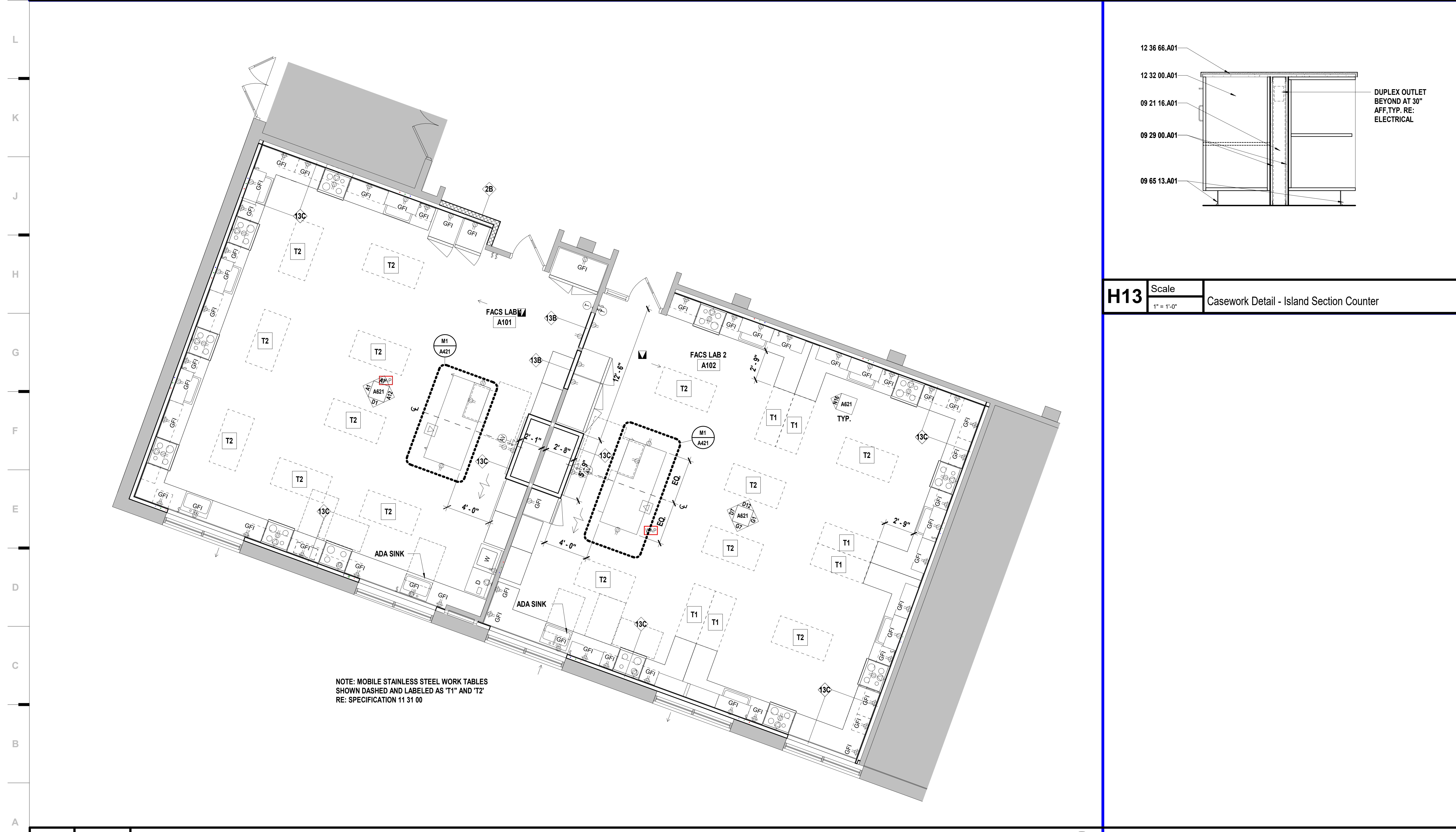
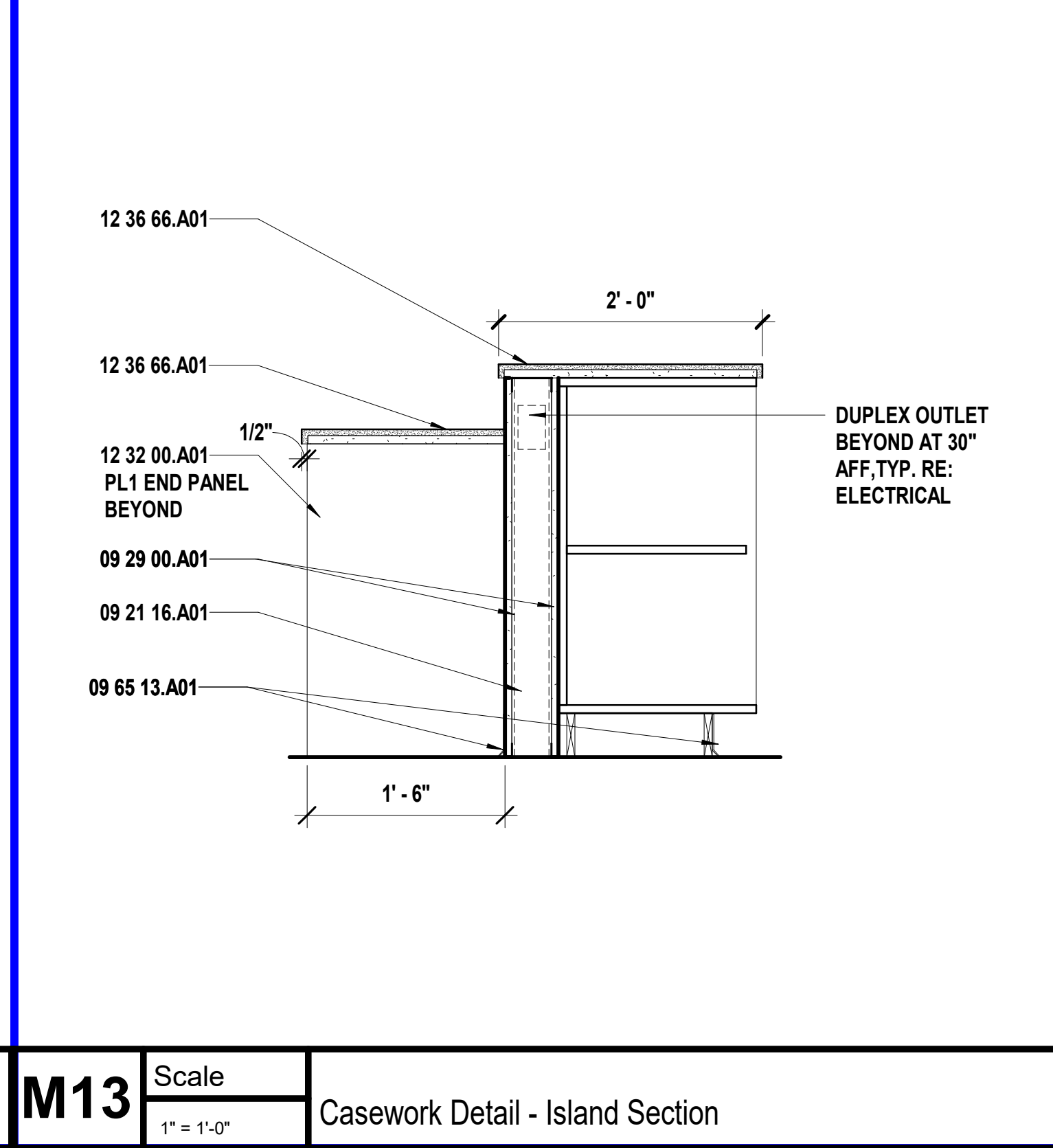
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A250



SHEET KEYNOTE LEGEND

09 21 16.A01	NON-STRUCTURAL FRAMING
09 29 00.A01	GYPSUM BOARD - REGULAR
09 65 13.A01	RESILIENT BASE
12 32 00.A01	PLASTIC LAMINATE FACED CABINETS
12 36 66.A01	SOLID SURFACE COUNTERTOP



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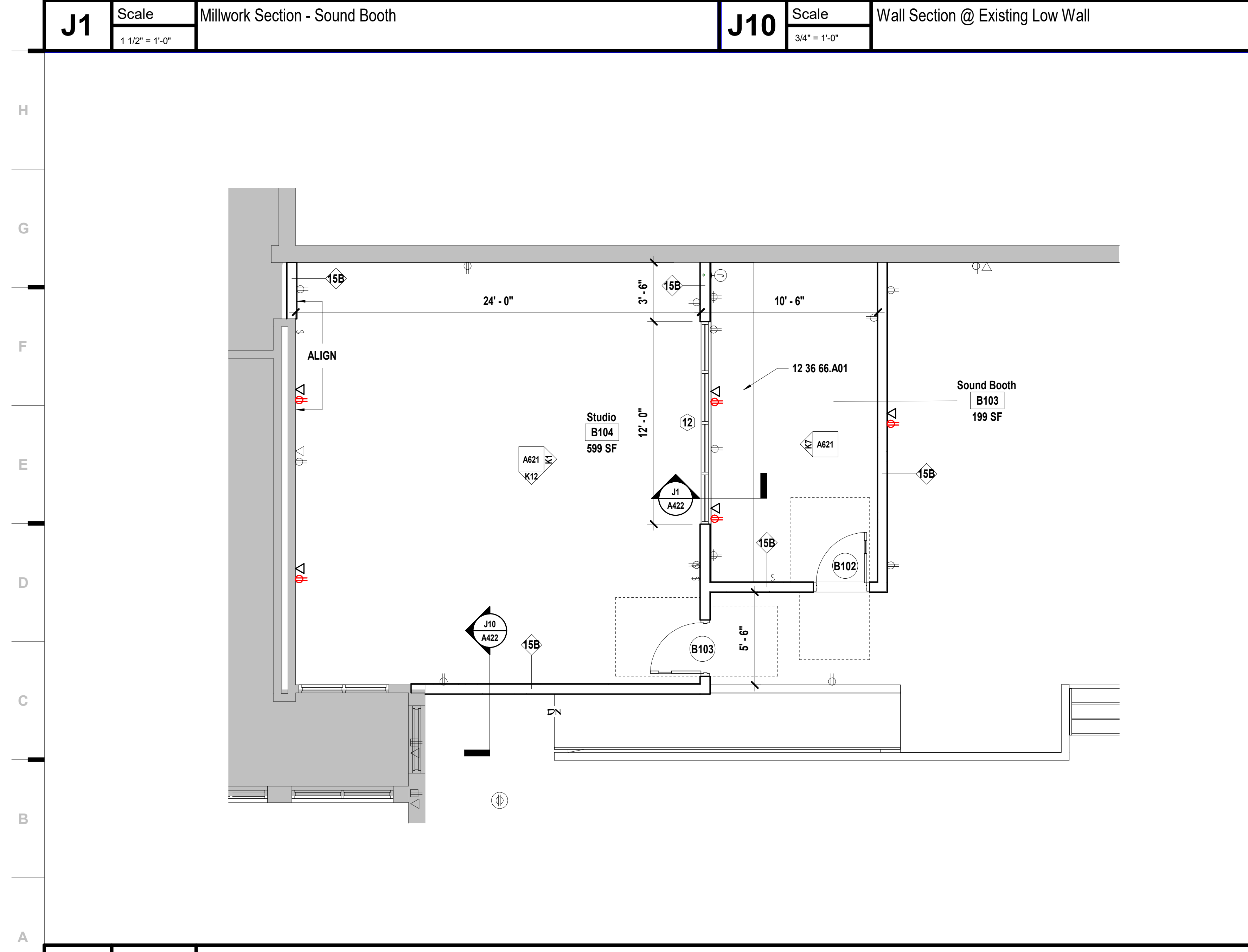
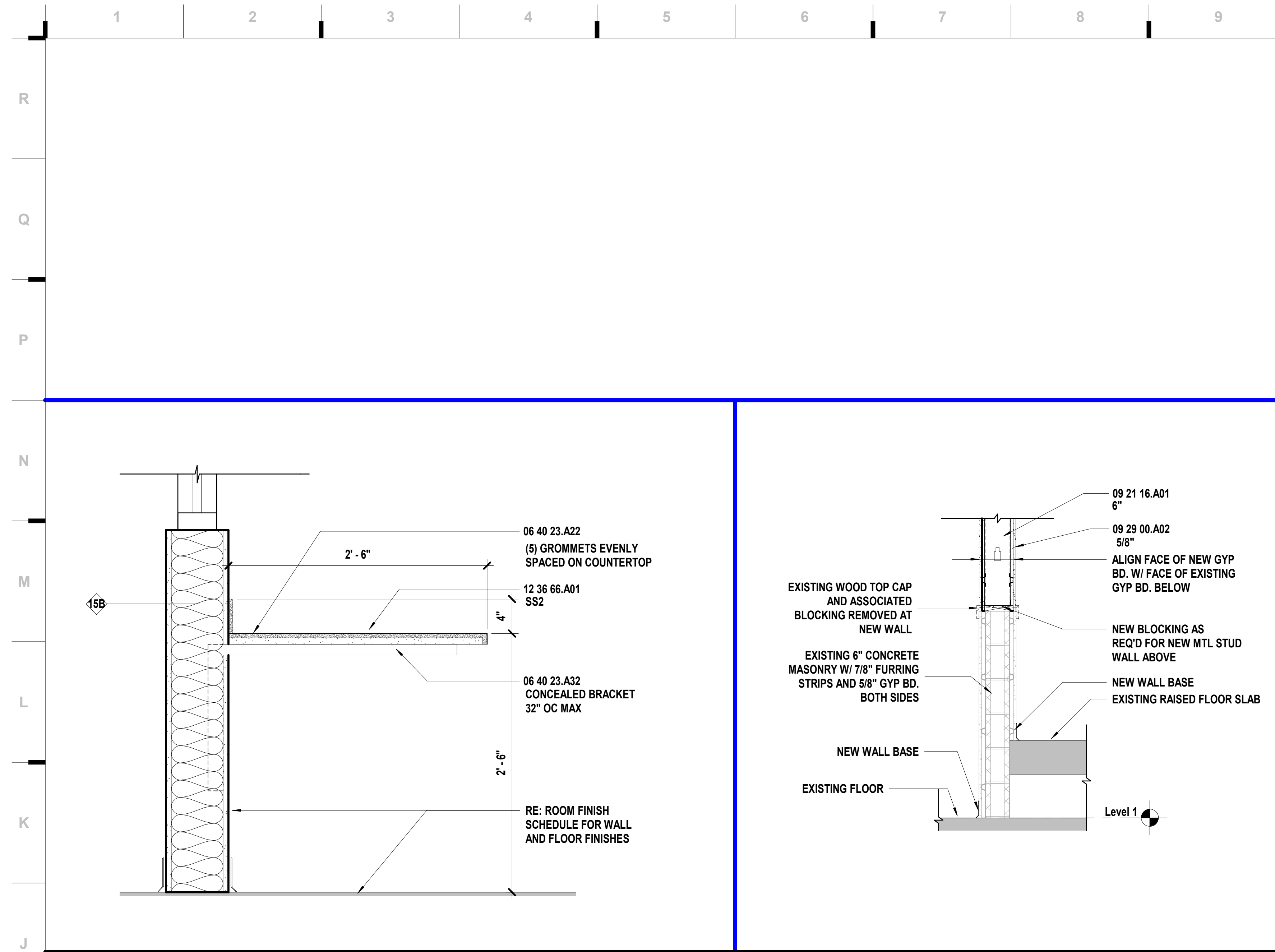
STATE OF MISSOURI
 REGISTERED ARCHITECT
 JOHN GILBERT BROWN
 A-6538
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 Date: 10.15.2021

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ENLARGED PLANS & DETAILS

10/15/2021 11:03:07 AM



SHEET KEYNOTE LEGEND

06 40 23.A22	GROMMETS
06 40 23.A32	CONCEALED BRACKET
09 21 16.A01	NON-STRUCTURAL FRAMING
09 29 00.A02	GYPSUM BOARD - TYPE X
12 36 66.A01	SOLID SURFACE COUNTERTOP

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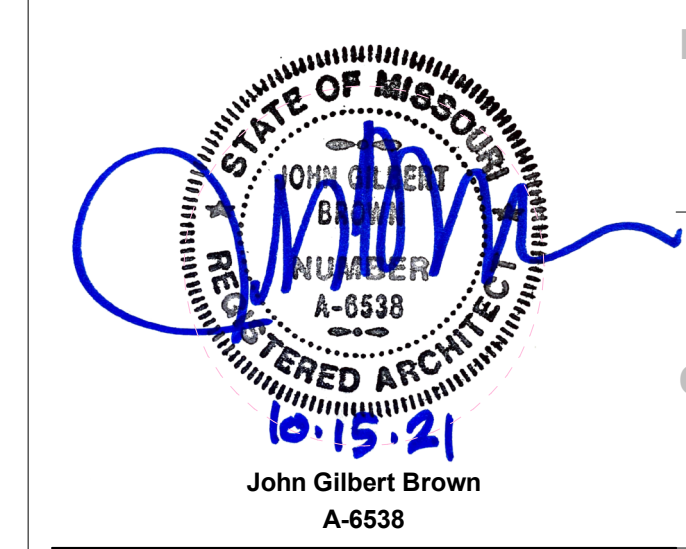
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100% CONSTRUCTION DOCUMENTS

Raytown High School Renovation
 Raytown Quality Schools
 6019 Blue Ridge Blvd
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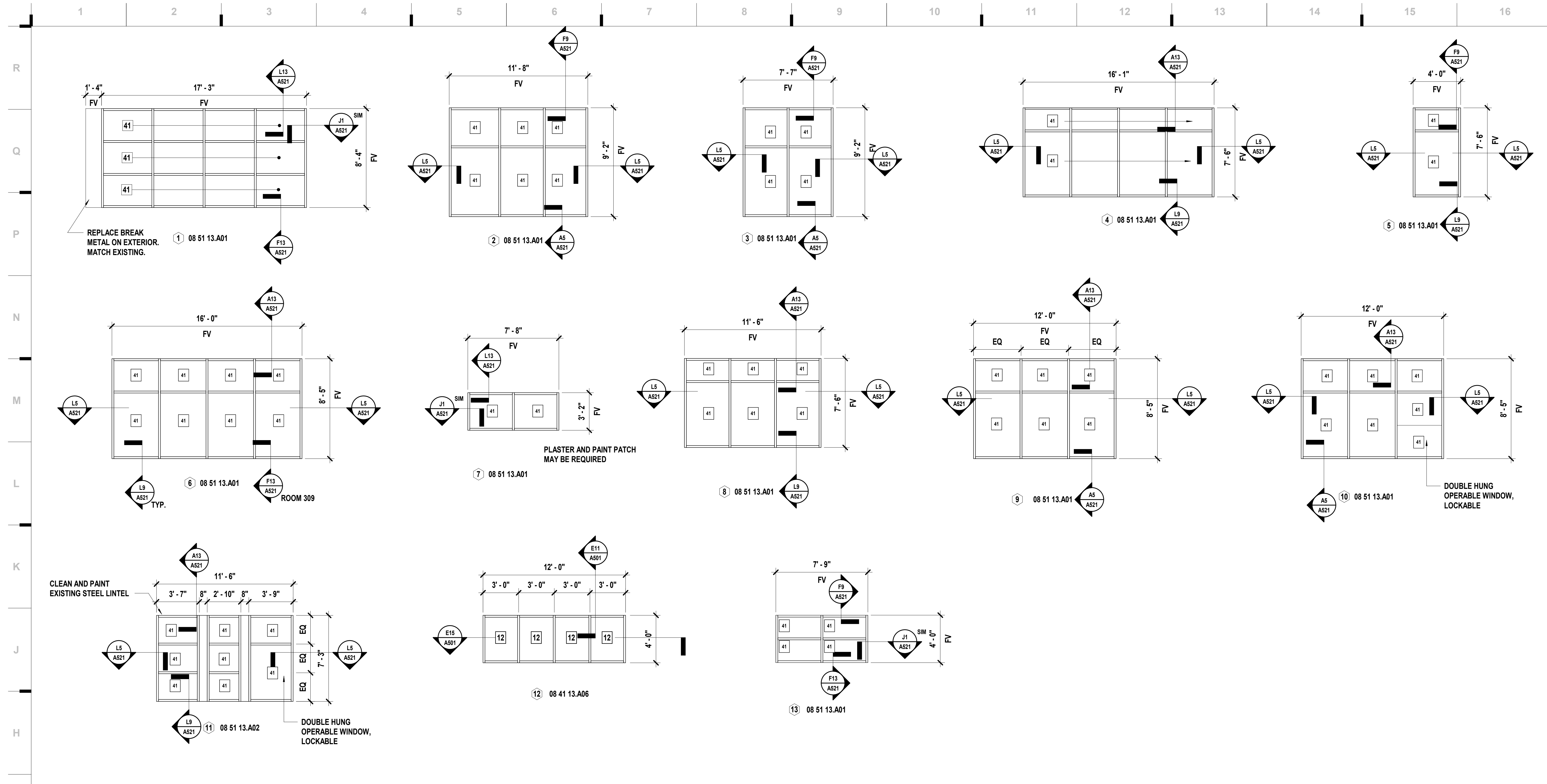
REVISIONS:

#	Description	Date



JOB NO: 21010.00
 DRAWN BY: Author
 CHECKED BY: Checker
 DATE: 10.15.2021

A422



SHEET KEYNOTE LEGEND

07 92 00.A01	SEALANT
07 92 00.A02	SEALANT W/BACKER ROD
08 11 13.A31	HOLLOW METAL FRAME
08 41 13.A02	THERMAL BROKEN STOREFRONT FRAMING (6")
08 41 13.A06	NON-THERMAL BROKEN STOREFRONT FRAMING (4.5")
08 51 13.A01	FIXED ALUMINUM WINDOW PREMANUFACTURED
08 51 13.A02	OPERABLE ALUMINUM WINDOW
09 21 16.A01	NON-STRUCTURAL FRAMING
09 29 00.A02	GYPSON BOARD - TYPE X
09 29 00.A11	GYPSON BOARD TRIM

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GLASS LEGEND

GLASS TYPE = 1

FULLY-TEMPERED MONOLITHIC FLOAT GLASS

12 08 80 00.A12 3/8" CLEAR FULLY-TEMPERED MONOLITHIC FLOAT GLASS

INSULATING GLASS

31 08 80 00.A31 LOW-E CLEAR INSULATED GLASS

INSULATING FULL-TEMPERED GLASS

41 08 80 00.A41 LOW-E CLEAR INSULATED FULLY-TEMPERED GLASS

DOOR TYPE NOTES

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

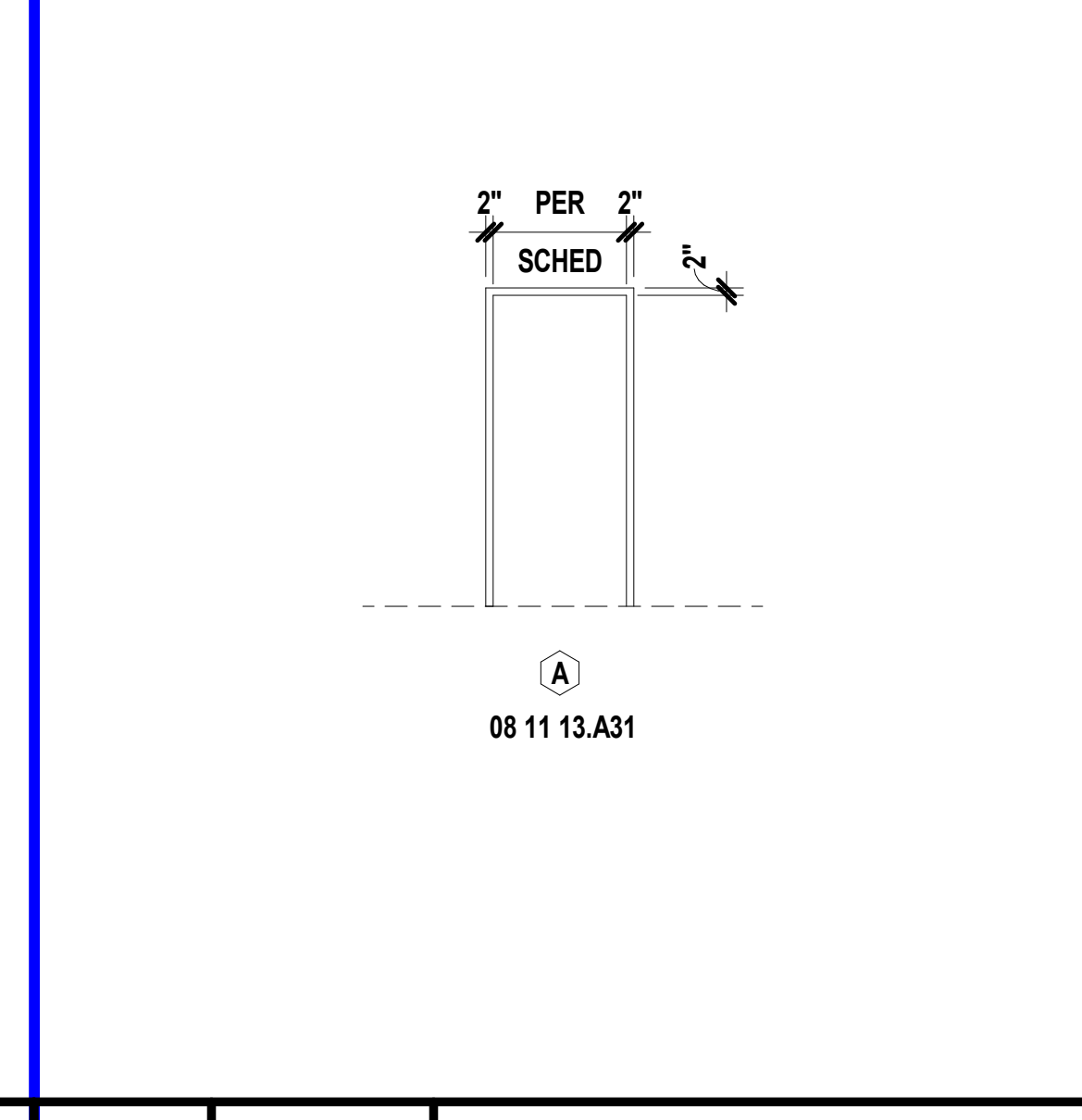
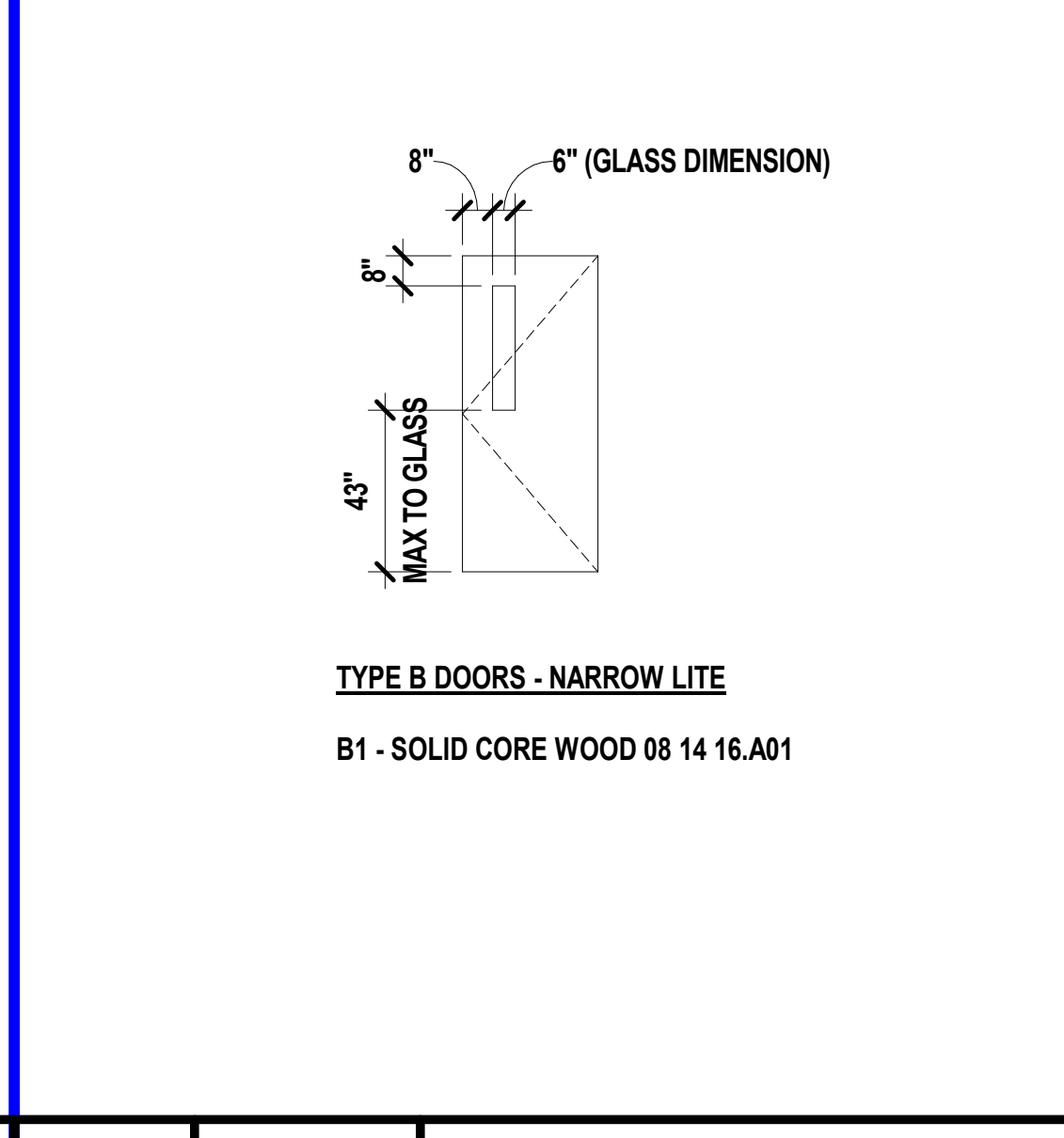
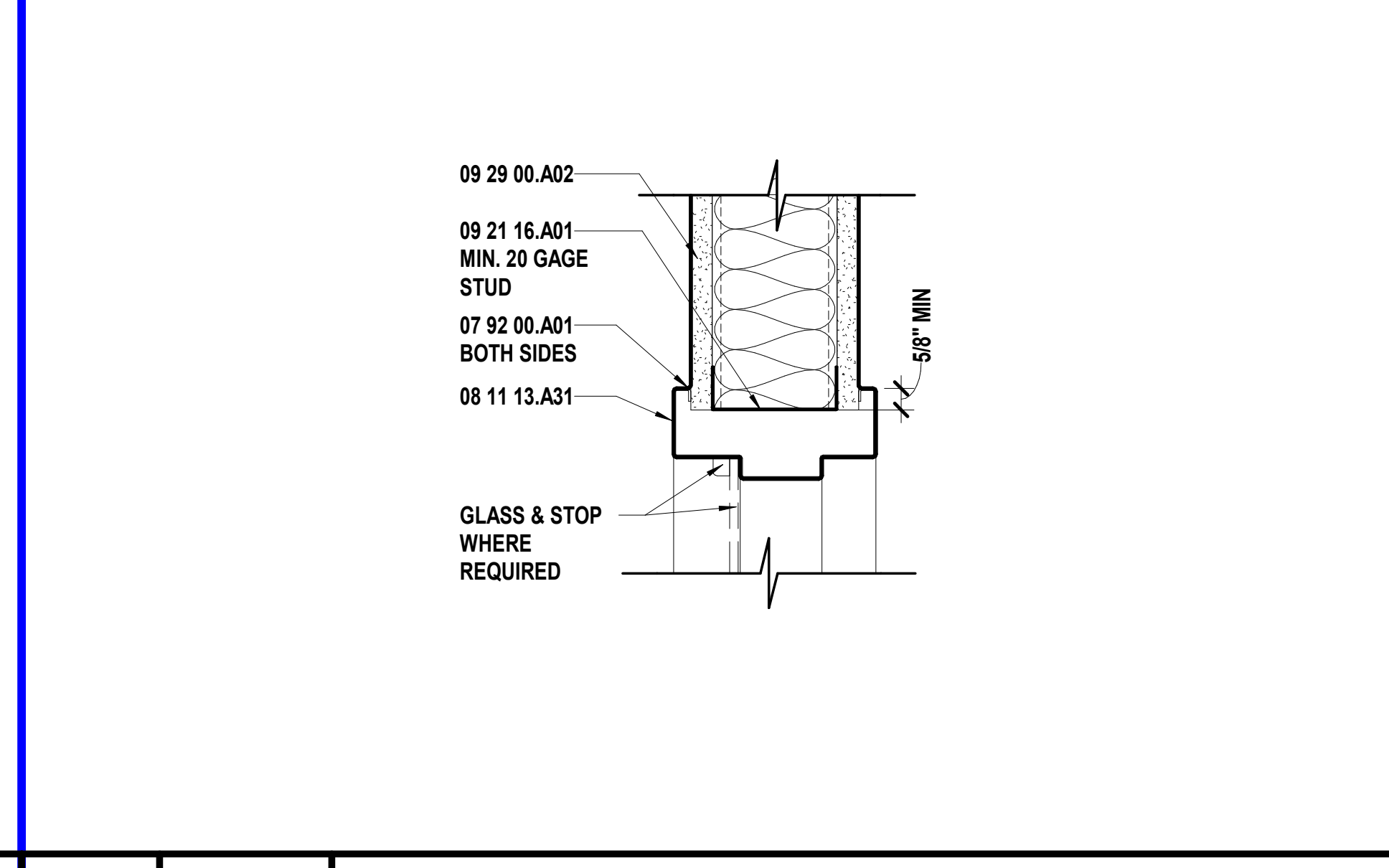
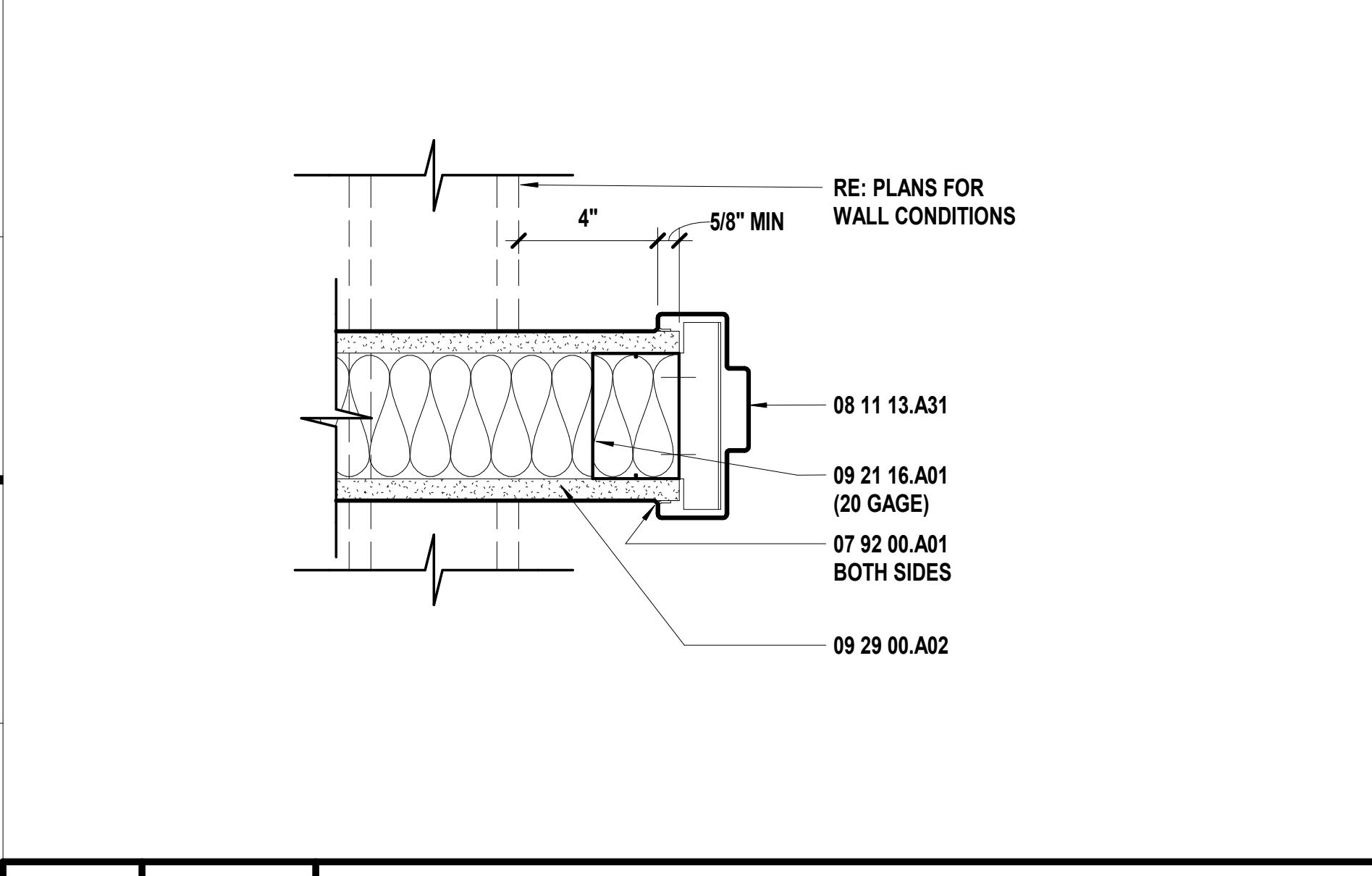
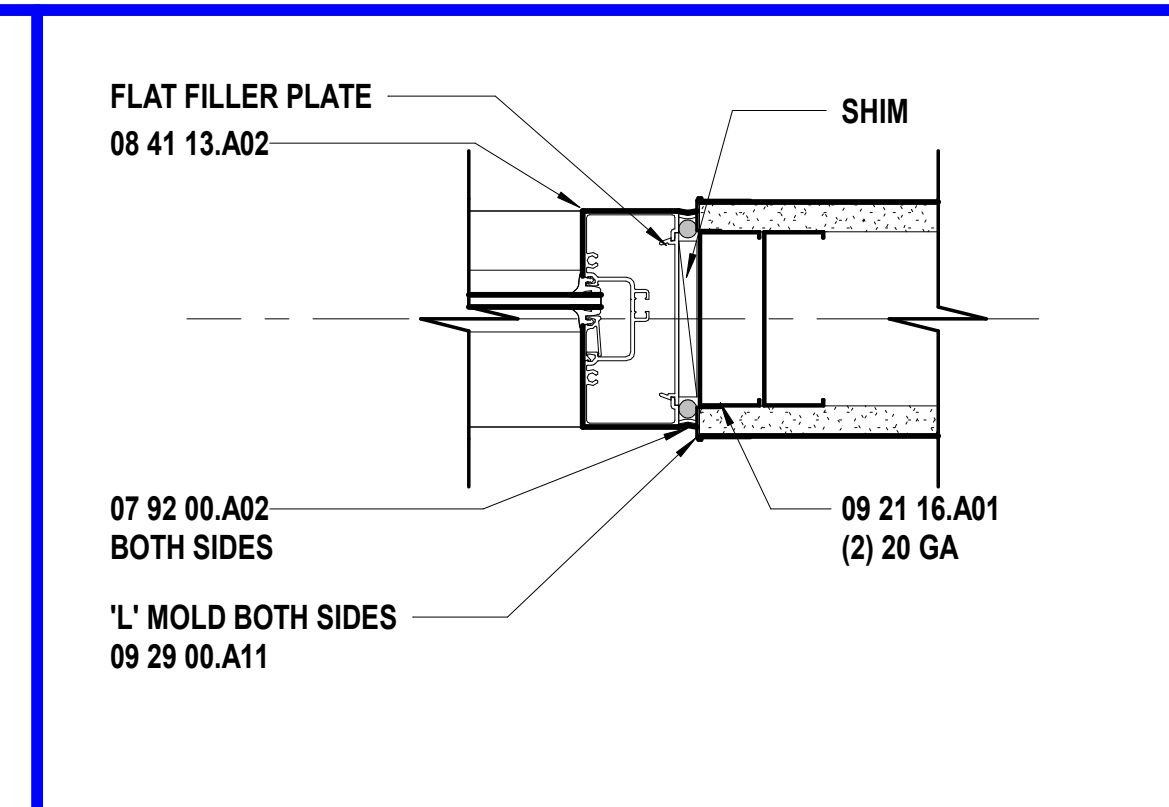
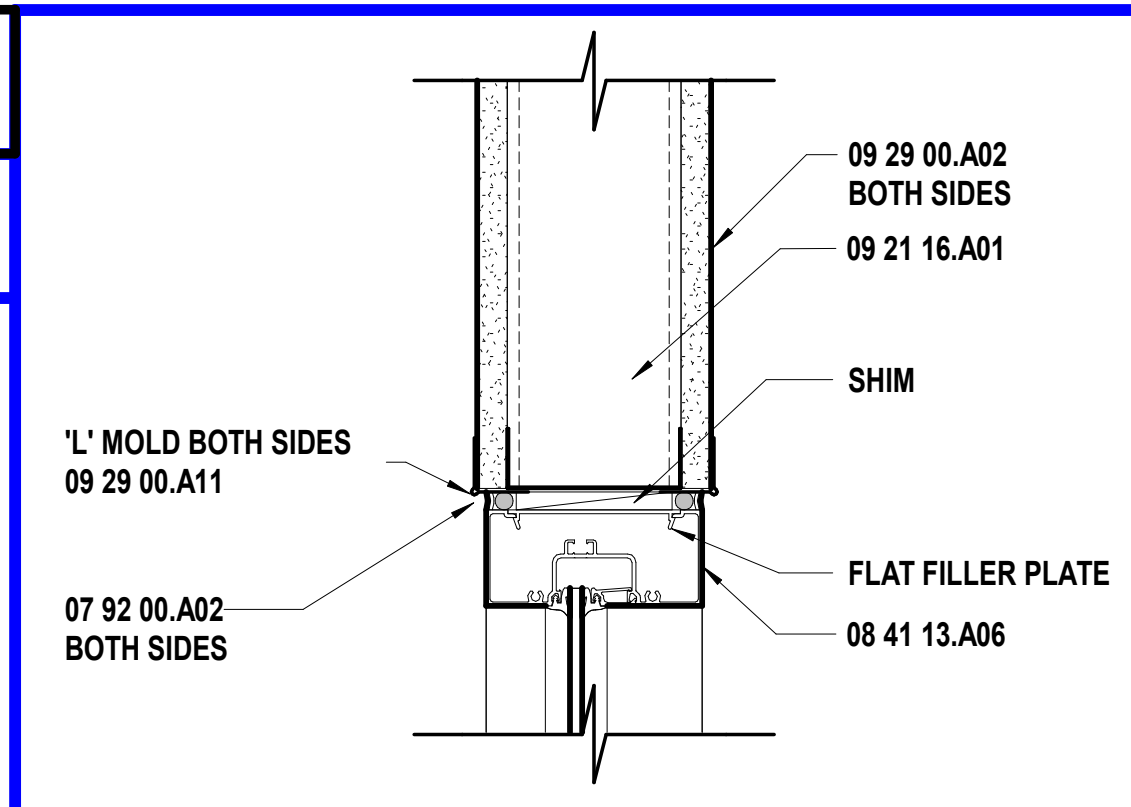
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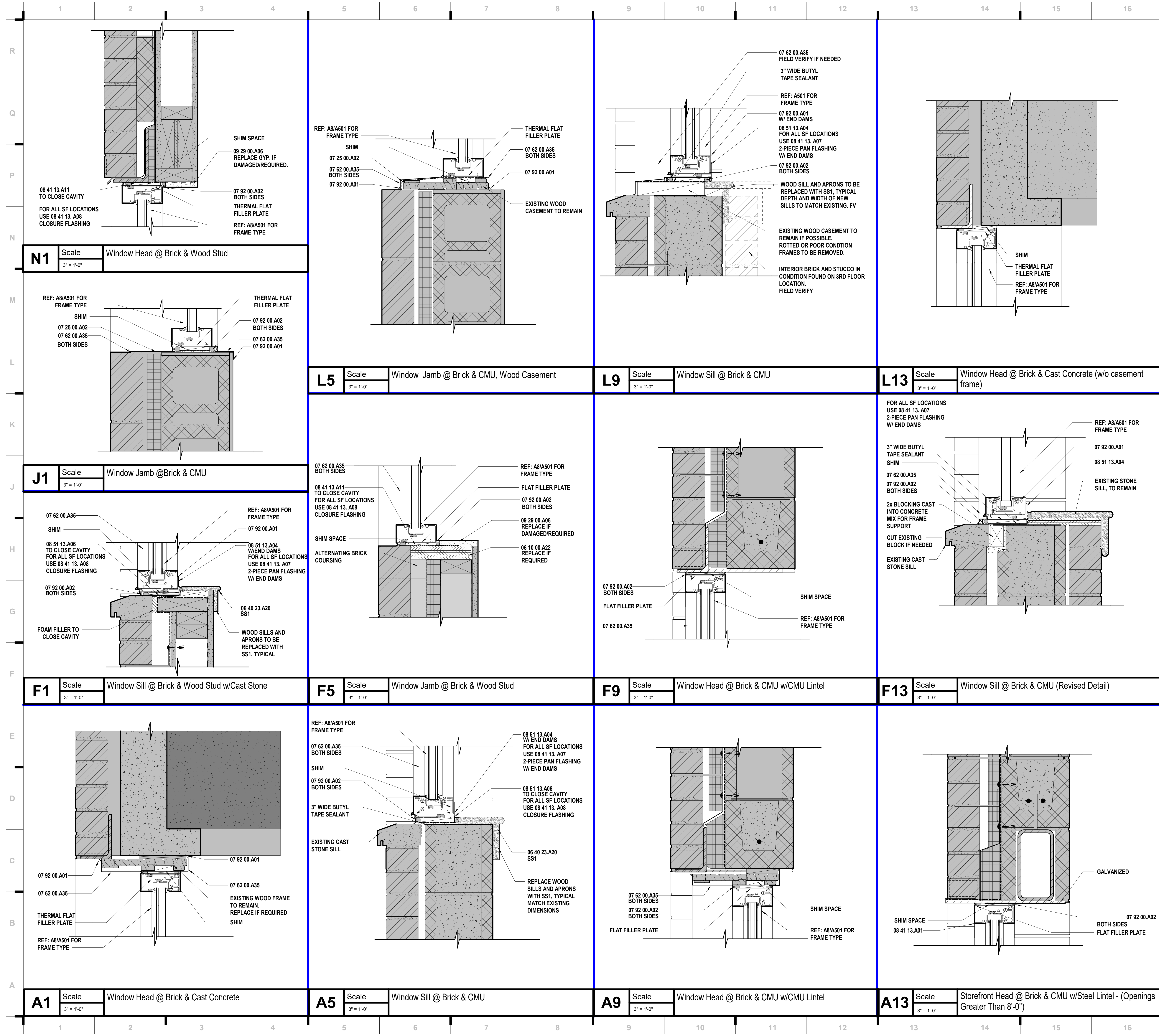
A501

F1 Scale 1/4" = 1'-0" Alumn Frame Types

DOOR SCHEDULE

Number	DOOR Size	Type	Glass	Frame		All DETAILS on A501 UNO					Fire Rating	Remarks
				Type	Material	Head	Strike	Hinge	Thresh			
B102	3'-0" x 7'-0" x 1 3/4"	B1	A	HM	A6	A1	A1	--	--	--	GASKET & SEAL	
B103	3'-0" x 7'-0" x 1 3/4"	B1	A	HM	A6	A1	A1	--	--	--	GASKET & SEAL	





SHEET KEYNOTE LEGEND

06 10 00.A22	PRESERVATIVE TREATED PLYWOOD BLOCKING
06 40 23.A20	SOLID SURFACE SILLS
07 25 00.A02	SELF-ADHERING MISC BARRIERS
07 62 00.A35	PRE-FINISHED MISC METAL FLASHING
07 92 00.A01	SEALANT
07 92 00.A02	SEALANT W/BACKER ROD
08 41 13.A11	THERMAL BROKEN STOREFRONT FRAMING (4.5")
08 41 13.A11	ALUMINUM DOOR (STANDARD)
08 51 13.A04	ALUMINUM SUBSILL
08 51 13.A06	ALUMINUM PAN FLASHING
09 29 00.A06	MOLD AND MOISTURE RESISTANT GYPSUM BOARD

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Raytown Quality Schools
6019 Blue Ridge Blvd
Raytown, MO 64133

REVISIONS:

#	Description	Date

STATE OF MISSOURI

REGISTERED ARCHITECT

10.15.21

John Gilbert Brown
A-6538

WINDOW DETAIL NOTES

1. ALL WALL TYPES AND EXISTING CONSTRUCTION HAVE BEEN FIELD VERIFIED AND COORDINATED WITH EXISTING DRAWINGS TO THE BEST OF ARCHITECT'S KNOWLEDGE.
2. SHOULD EXISTING CONDITIONS DIFFER FROM DETAIL SHOWN, BRING TO ARCHITECT'S ATTENTION FOR DIRECTION ON DETAILING TO BE USED.
3. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO THE START OF CONSTRUCTION AND PROCUREMENT.
4. PATCH AND PAINT REQUIRED AT EACH REPLACEMENT LOCATION AS REQUIRED.

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A521



SHEET KEYNOTE LEGEND

08 81 13.A06	DECORATIVE WITH FILM OVERLAY
10 11 00.A09	ELECTRONIC MARKERBOARDS
11 31 00	RESIDENTIAL APPLIANCES
11 31 00.A02	RANGE
11 31 00.A04	MICROWAVE OVEN
11 31 00.A05	EXHAUST HOOD
11 31 00.A06	FREEZER
12 32 00.A01	PLASTIC LAMINATE FACED CABINETS
12 32 00.A09	TALL CABINET WITH ADJUSTABLE SHELVES
12 36 66.A01	SOLID SURFACE COUNTERTOP

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SHEET MATERIAL FINISH LEGEND

ID	MATERIAL	COLOR/FINISH
P1	Paint	BOB'S LEGACY WHITE
P7	Paint	TBD
PL1	Plastic Laminate	COLOR: AGED ASH; FINISH: MATTE
RB1	Resilient Base & Accessories	100 BLACK
RB2	Resilient Base & Accessories	100 BLACK
SS2	Simulated Stone	"BROOKLYN CONCRETE"
WF1	Window Film	SH2MAOW WHITE

SHEET NOTES

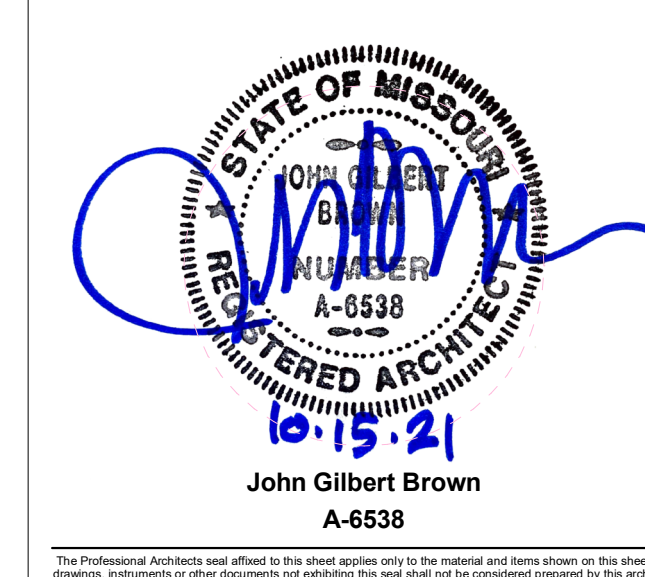
- REFER TO SHEET G000 FOR SHEET INDEX
- COORDINATE LOCATIONS WHERE BACKING REQUIRED FOR WALL HUNG CASEWORK, MARKERBOARDS, AND TECHNOLOGY
- COLOR/MATERIAL TRANSITIONS ARE NOTED WHEN THEY DO NOT OCCUR AT INSIDE CORNERS
- REFER TO MEP SHEETS FOR LOCATION DIAGRAM OF SWITCHES, THERMOSTATS, FIRE ALARM STROBES TO BE MOUNTED ADJACENT TO ENTRY DOORS OR AT OUTSIDE CORNERS WITHIN ROOMS
- COORDINATE WITH ELECTRICAL SHEETS FOR HEIGHT OF OUTLETS A.F.F. AND/OR ABOVE COUNTERTOPS
- COORDINATE WITH MECHANICAL SHEETS FOR LOCATIONS OF WALL MOUNTED GRILLES AND REGISTERS
- ALL EXPOSED SURFACES TO RECEIVE PLASTIC LAMINATE
- ALL BACKSPASH MATERIAL TO MATCH COUNTERTOP MATERIAL, UNO
- PROVIDE 4" BACKSPASH, UNO
- PROVIDE 1" OVERHANG AT ALL COUNTERTOPS, UNO
- PROVIDE ONE 2" DIAMETER GROMMET PER 30 INCH OF KNEE-SPACE - RECEPTION COUNTERS AND OTHER LOCATIONS - COORDINATE EXACT LOCATION WITH OWNER
- REFER TO PLUMBING DRAWINGS FOR LOCATIONS OF SINKS AND OTHER PLUMBING FIXTURES LOCATED WITHIN CASEWORK
- ALL BASE CABINETS ARE TO BE 24" DEEP, UNO
- ALL UPPER CABINETS ARE TO BE 16" DEEP, UNO
- ALL TALL STORAGE AND WARDROBE CABINETS ARE TO BE 24" DEEP, UNO
- ALL SCIENCE AND NURSE CASEWORK TO HAVE LOCKS
- FILE DRAWERS TO HAVE LOCKS
- ALL WARDROBE CABINETS TO HAVE LOCKS
- COORDINATE DOOR CONTROL BUTTON LOCATION AT RECEPTION DESK WITH OWNER
- PROVIDE WOOD CLEAT AT BACK AND SIDE WALLS OF ALL COUNTERTOPS WITH NO BASE CABINET BELOW

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A621

MECHANICAL AND ELECTRICAL SYMBOLS AND ABBREVIATIONS. Legend containing symbols and abbreviations for Conduit and Wire, Communications, Fire Alarm, HVAC, Plumbing, Piping, Lighting, Security, Public Address, Fire Protection, Hospital, Medical Gas, Wiring Devices, Power Device and Controls, and Ductwork. Includes a detailed ductwork diagram with annotations.

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REVISIONS table with columns: #, Description, Date. Includes a circular seal for Ryan Jerod Diederik, State of Missouri, Professional Engineer, No. 150055, dated 10/15/21.

JOB NO: 21010.00
DRAWN BY: SBI
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DATE: 10.15.2021

smith & boucher engineers logo and address: 25618 west 103rd st olathe, ks 66061 phone 913.345.2127 fax 913.345.0617 project number 2020303

PLUMBING FIXTURE SCHEDULE

MARK	MANUFACTURER/ MODEL	DESCRIPTION	FITTINGS		PIPING CONNECTIONS					
			MANUFACTURER/ MODEL	DESCRIPTION	NOTES	CW	HW	SAN	VENT	
S-1	ELKAY DLR312210	STAINLESS STEEL SINGLE BOWL SINK, TOP MOUNT, 31"X22"X10-18".	ELKAY LK7921SSS	SINGLE HOLE KITCHEN FAUCET WITH LEVER HANDLE. SATIN STAINLESS STEEL.	1,2,3,4		1/2"	1/2"	2"	1-1/2"
S-2	ELKAY LRAD312255	STAINLESS STEEL SINGLE BOWL SINK, TOP MOUNT, 31"X22"X5-12". ADA COMPLIANT. DRAIN LOCATIONS CENTER REAR.	INSINKERATOR BADGER 15SS ELKAY LK7921SSS	GARBAGE DISPOSAL WITH POWER CORD. SINGLE HOLE KITCHEN FAUCET WITH LEVER HANDLE. SATIN STAINLESS STEEL.	1,2,3,4		1/2"	1/2"	2"	1-1/2"

DUCTWORK SCHEDULE

SERVICE	DUCT SHAPE	SMACNA REQUIREMENTS			OTHER REQUIREMENTS
		CLASSIFICATION	SEAL CLASS	LEAKAGE CLASS	
SUPPLY AIR DUCTS CONNECTED TO CONSTANT VOLUME AIR HANDLING UNITS SUPPLY DUCTS CONNECTED TO TERMINAL BOXES OR FAN COIL UNITS	RECTANGULAR	2" WG POSITIVE	B	12	1/2", 3LB DENSITY LINER
RETURN AIR DUCTWORK, INCLUDING RETURN AIR BOOTS. TRANSFER AIR DUCTWORK	ROUND (CONCEALED) ROUND (EXPOSED)	2" WG POSITIVE 4" WG POSITIVE SPIRAL SEAM	B	3	1/2", 3LB DENSITY LINER
EXHAUST DUCTS TO THE INLET OF THE FAN	RECTANGULAR OR ROUND	2" WG NEGATIVE	B - RECTANGULAR A - ROUND	12 - RECTANGULAR 3 - ROUND	1/2", 3LB DENSITY LINER (FIRST 10' FROM FAN INLET)

NOTES:
1: SEE DUCTWORK INSULATION SCHEDULE FOR REQUIREMENTS ON DUCT INSULATION

DUCTWORK INSULATION SCHEDULE

SERVICE	INSULATION
CONCEALED DUCTWORK AS FOLLOWS:	
OUTSIDE AIR	1-1/2", 1 LB. RIGID FIBERGLASS BLANKET, BAPPOR BARRIER FACED.
ALL ROUND SUPPLY AIR AND UNLINED BRANCH TAKE-OFFS FOR ROUND DUCTS AND IN-LINE TRANSITIONS.	WITH HEAVY DUTY FOIL-SCRIM-KRAFT FACING.
MIXED AIR	

NOTES:
1: SEE DUCTWORK SCHEDULE FOR ITEMS THAT ARE TO BE LINED.

PIPE INSULATION SCHEDULE - PLUMBING

SERVICE	PIPE SIZE	INSULATION
DOMESTIC COLD WATER	1/2" - 2"	1/2" FIBERGLASS, ASJ (OR 1/2" FLEXIBLE CLOSED CELL ELASTOMERIC)
DOMESTIC HOT WATER	2-1/2" AND LARGER	1" FIBERGLASS, ASJ (OR 1" FLEXIBLE CLOSED CELL ELASTOMERIC)
RECIRCULATING HOT WATER TEMPERED WATER	ALL	1" FIBERGLASS, ASJ, (OR 1" FLEXIBLE CLOSED CELL ELASTOMERIC)
EXPOSED FIXTURE WASTETRAPS AND DOMESTIC HOT WATER AT HANDICAPPED ACCESSIBLE SINKS AND LAVATORIES	ALL	TRUBRO LAV AGUARD MOLDED PROTECTIVE PIPE COVER OVER 1/2" FIBERGLASS INSULATION

NOTES:
1: FOR ALL PIPING 2-1/2" AND LARGER, PROVIDE RIGID FOAM INSERTS AT ALL HANGERS AND SUPPORT LOCATIONS.

PIPE INSULATION SCHEDULE - HVAC

SERVICE	PIPE SIZE	INSULATION	NOTES
CONDENSATE DRAIN	1/2" - 1-1/2"	1/2" FIBERGLASS, ASJ	1,2,3,4,5
GROUND SOURCE HEAT PUMP SUPPLY AND RETURN	1/2" - 2"	1" FIBERGLASS, ASJ	1,2,3,4,5

NOTES:
1: PROVIDE RIGID FOAM INSERTS AT ALL HANGERS AND SUPPORT LOCATIONS.
2: ELBOW AND FITTING INSULATION SHALL BE OF SAME THICKNESS AS ADJACENT STRAIGHT PIPE INSULATION.
3: FITTING INSULATION TO HAVE ASJ OR SUPPLEMENTAL VAPOR BARRIER SEALED TO ADJACENT PIPE INSULATION.
4: PROVIDE PVC JACKET ON ALL FITTINGS AND ELBOWS IN EXPOSED AREAS.

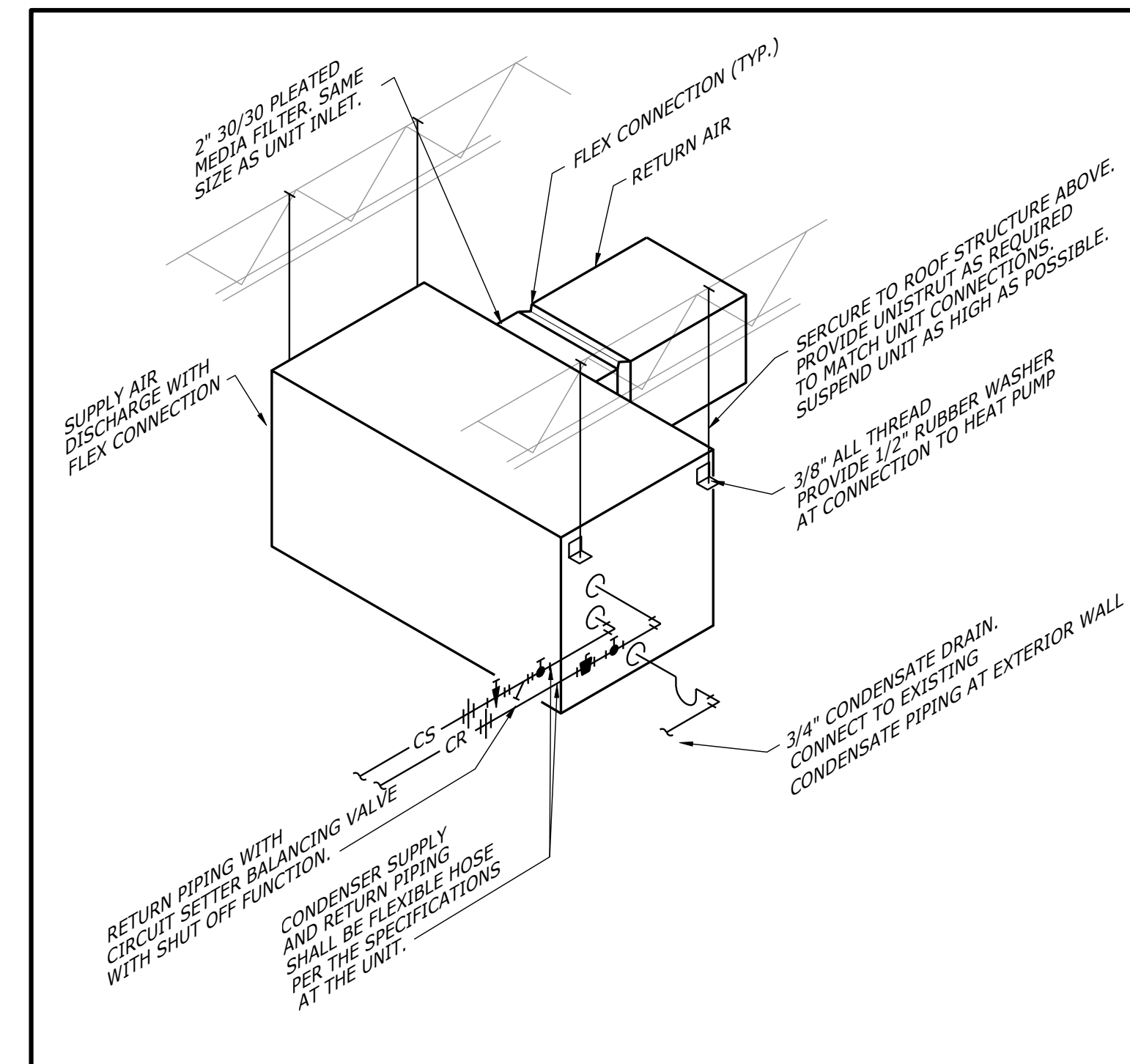
GRILLE, REGISTER & DIFFUSER SCHEDULE

PLAN MARK	MANUFACTURER MODEL NUMBER	SERVICE	MOUNT TYPE	VOLUME DAMPER	MATERIAL	COLOR	REMARKS
SD-1	TITUS 272RL	SUPPLY	SURFACE	YES	STEEL	WHITE	-
RG-1	TITUS 350FL	RETURN	LAY-IN CEILING	NO	STEEL	WHITE	-

GROUND SOURCE HEAT PUMP

DESIGNATION	INDOOR UNIT	
	HP-1	HP-2
MANUFACTURER	BOSCH	BOSCH
SPACE SERVED	FACS	FACS
NOMINAL TONNAGE	4	4
MIN. STAGES OF COOLING	2 (54 MBH/38 MBH)	2 (54 MBH/38 MBH)
MODEL	ES049	ES049
CONDENSER GPM	12	12
INSTALLATION	HORIZONTAL ABOVE CEILING	HORIZONTAL ABOVE CEILING
CFM	1600	1600
OUTSIDE AIR	250	250
EXTERNAL STATIC PRES. (IN. W.G.)	0.5	0.5
MOTOR HORSEPOWER	1.5	1.5
VOLTAGE/PHASE	277/1	277/1
PANEL AND CIRCUIT	MP2-38	MP2-40
WIRE AND CONDUIT	(2) #6, #10G, 3/4" C	(2) #6, #10G, 3/4" C
MCA	25	25
OVERCURRENT DEVICE	45A-1P CB	45A-1P CB
DISCONNECT	60A-1P NF	60A-1P NF
CONTROL SEQUENCE	NOTE 1	NOTE 1
REFERENCE DRAWING/DETAIL	M101	M101
REMARKS	NOTE 2	NOTE 2

NOTE 1: PROVIDE WITH REMOTE THERMOSTAT.
NOTE 2: NO MANUFACTURER SUBSTITUTIONS. LOCAL REP IS APP-BRIAN HEARN, (913) 894-5600.

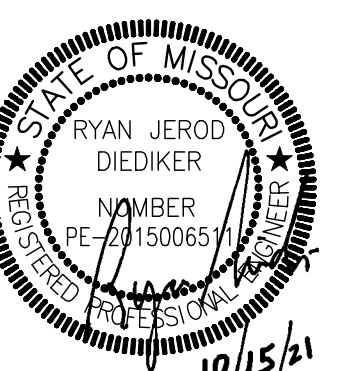


HORIZONTAL HEAT PUMP
NOT TO SCALE

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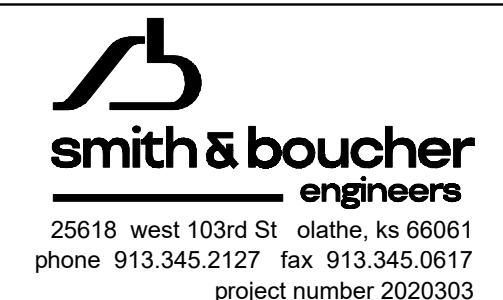
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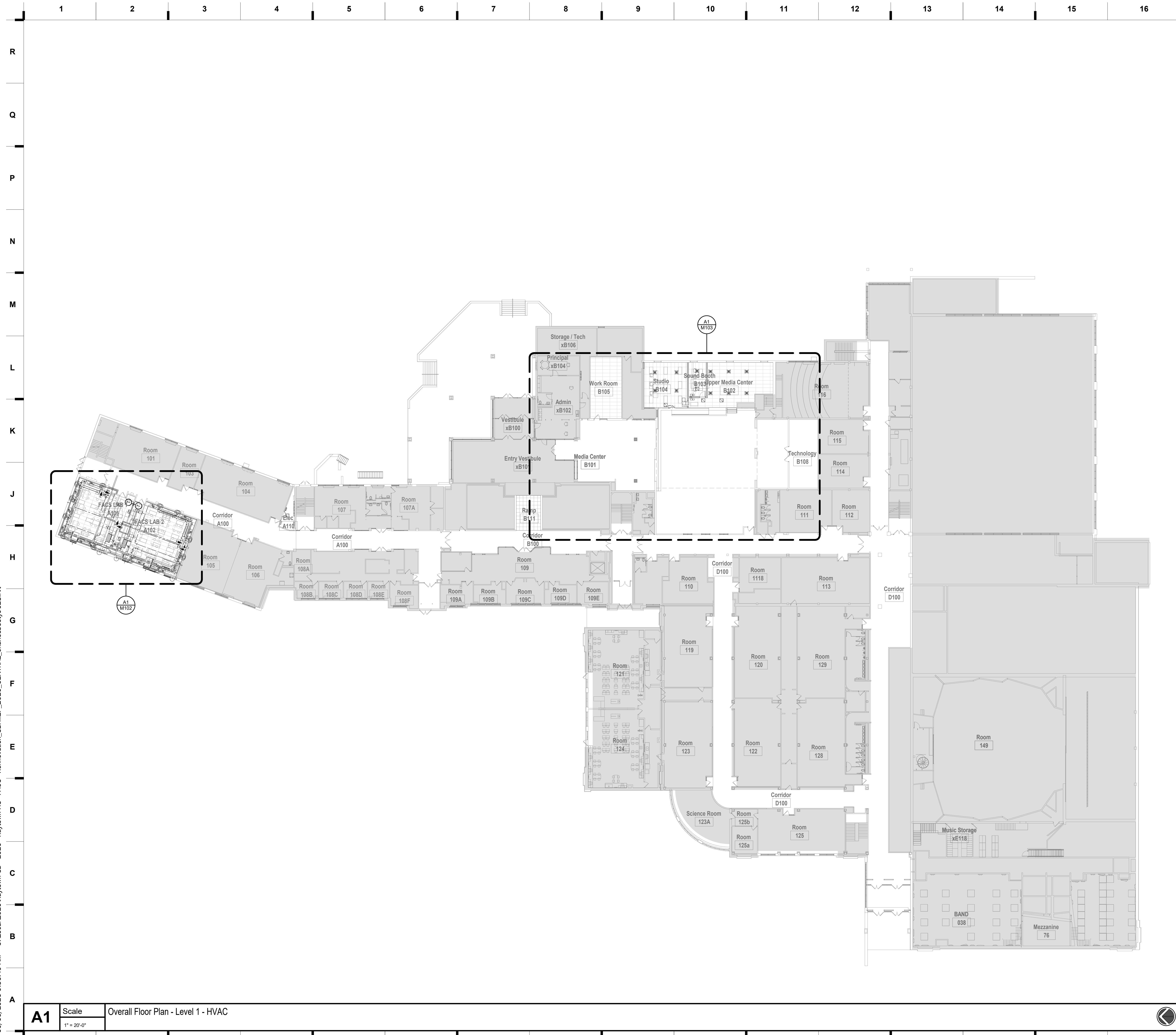
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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

PROJECT NAME: Raytown High School Renovation - FACS
LAST CORRECTION BY: DATE: TIME: Thursday, October 14, 2021 4:32:14 PM
PLOTTED BY: DATE: TIME: Friday, October 15, 2021 9:43:53 AM
Charles Ebody



10/15/2021 9:36:49 AM C:\Local(2021)\Raytown SD - 2021 - Raytown HS - FACS - Renovation_SBI\MEP_2021_CENTRAL_charlesbooty9028.rvt



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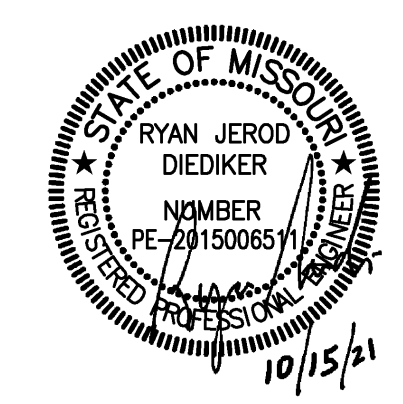
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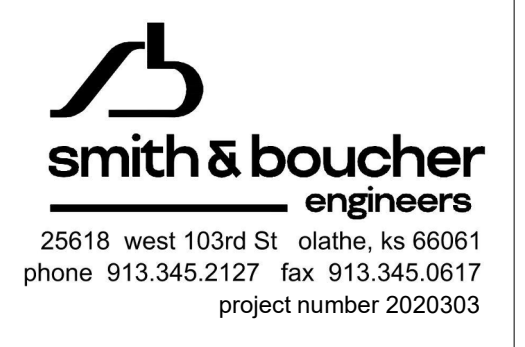
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The Professional Architects and Engineers are pleased to be shared documents with the architect and their client. It is the responsibility of the architect to ensure that all documents are properly prepared for the architect and that all documents are accurate and complete. The architect and their client are responsible for the accuracy and completeness of the documents.
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 CHECKED BY: RJD
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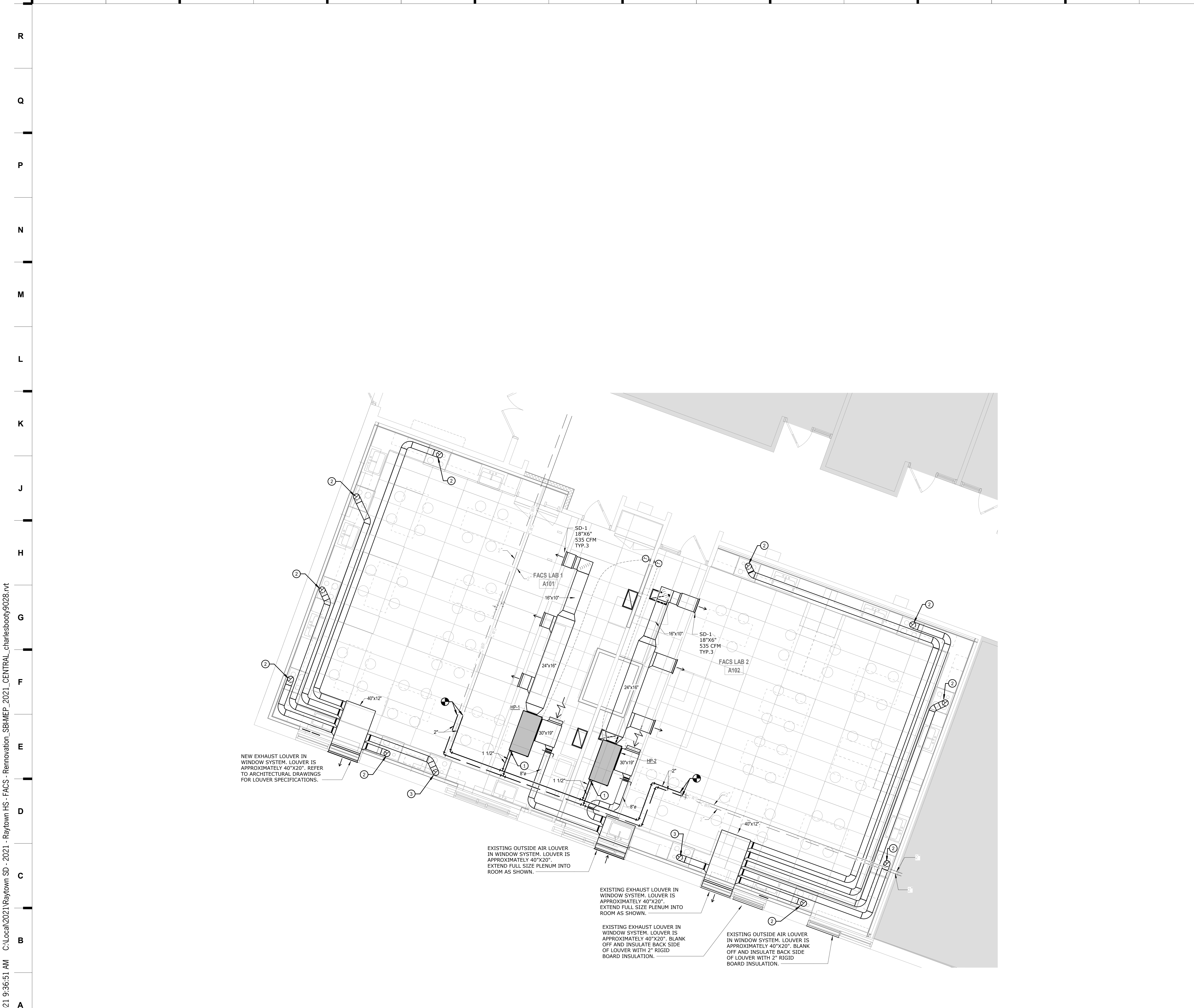


M101

A1 Scale Overall Floor Plan - Level 1 - HVAC
 1" = 20'-0"

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16



NEW EXHAUST LOUVER IN WINDOW SYSTEM. LOUVER IS APPROXIMATELY 40"x20". REFER TO ARCHITECTURAL DRAWINGS FOR LOUVER SPECIFICATIONS.

EXISTING OUTSIDE AIR LOUVER IN WINDOW SYSTEM. LOUVER IS APPROXIMATELY 40"x20". EXTEND FULL SIZE PLENUM INTO ROOM AS SHOWN.

EXISTING EXHAUST LOUVER IN WINDOW SYSTEM. LOUVER IS APPROXIMATELY 40"x20". EXTEND FULL SIZE PLENUM INTO ROOM AS SHOWN.

EXISTING EXHAUST LOUVER IN WINDOW SYSTEM. LOUVER IS APPROXIMATELY 40"x20". BLANK OFF AND INSULATE BACK SIDE OF LOUVER WITH 2" RIGID BOARD INSULATION.

EXISTING OUTSIDE AIR LOUVER IN WINDOW SYSTEM. LOUVER IS APPROXIMATELY 40"x20". BLANK OFF AND INSULATE BACK SIDE OF LOUVER WITH 2" RIGID BOARD INSULATION.

SHEET KEYNOTE LEGEND

- GENERAL MECHANICAL NOTES:**
1. ALL WORK SCHEDULES, WORK BOUNDARIES, AND EXTENT OF WORK SHALL BE COORDINATED BY THE CONTRACTORS.
 2. 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.
 3. DARK DASHED LINES INDICATE MECHANICAL OR ELECTRICAL EQUIPMENT THAT SHALL BE REMOVED. LIGHT SOLID LINES REPRESENT EXISTING EQUIPMENT OR MATERIAL TO REMAIN, EXCEPT WHERE OTHERWISE INDICATED.
 4. DISCONNECT AND REMOVE ALL DUCTWORK, CONTROLS, WIRING, HYDRONIC PIPING AND ACCESSORIES THAT BECOME UNNECESSARY AS A RESULT OF THE REMOVAL OF EQUIPMENT INDICATED TO BE REMOVED.
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 8. PATCH STRUCTURAL OPENINGS TO MATCH EXISTING WHERE PIPING THAT PENETRATES FLOORS AND WALLS IS DEMOLISHED.
 9. EXISTING CLOSED LOOP CONDENSER WATER SYSTEM SHALL BE ISOLATED AND DRAINED IN ORDER TO PERFORM NEW PIPING WORK. REFILL SYSTEM AND CHEMICALLY TREAT WATER UPON COMPLETION OF NEW WORK. REFER TO SPECIFICATIONS.
 10. ALL RETURN GRILLES SHALL BE 22"x12", RG-1, UNLESS OTHERWISE NOTED.
 11. HEAT PUMPS SHALL BE PROVIDED WITH FACTORY DIGITAL, PROGRAMMABLE THERMOSTATS.

- HVAC PLAN NOTES:**
- ① 1-1/2" CWS AND CWR TO HEAT PUMP. REFER TO DETAIL.
 - ② 8"Ø EXHAUST DUCT FROM HOOD INTEGRAL TO MICROWAVE. REFER TO ARCHITECTURAL FOR MICROWAVE SPECIFICATION. PROVIDE TRANSITION TO HOOD CONNECTION AS RECOMMENDED BY MICROWAVE MANUFACTURER.
 - ③ 8"Ø EXHAUST DUCT FROM RANGE HOOD. REFER TO ARCHITECTURAL FOR HOOD SPECIFICATION. PROVIDE TRANSITION TO HOOD CONNECTION AS RECOMMENDED BY HOOD MANUFACTURER.

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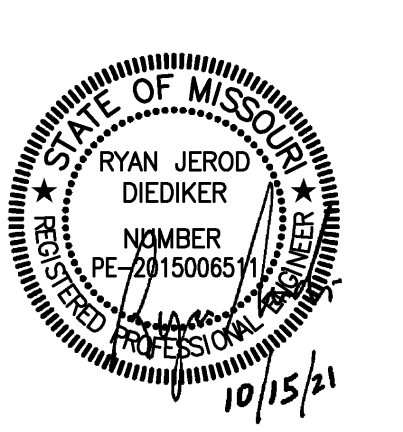
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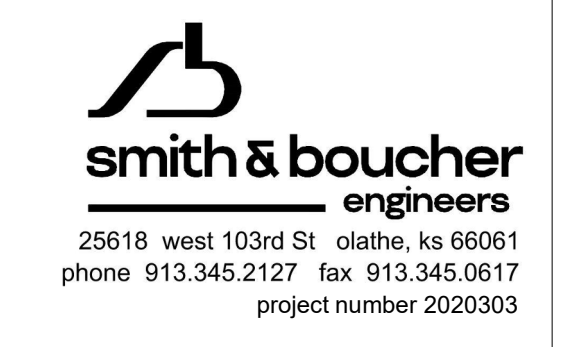
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M102

A1 Scale Enlarged Floor Plan - FACS - HVAC
 1/4" = 1'-0"

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

ENLARGED FLOOR PLANS - HVAC

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A1 Scale Enlarged Floor Plan - HVAC
1/8" = 1'-0"

SHEET KEYNOTE LEGEND

- GENERAL MECHANICAL NOTES:**
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 8. PATCH STRUCTURAL OPENINGS TO MATCH EXISTING WHERE PIPING THAT PENETRATES FLOORS AND WALLS IS DEMOLISHED.

- HVAC PLAN NOTES:**
1. INSTALL SALVAGED SUPPLY DIFFUSER. BALANCE TO AIRFLOW INDICATED.
 2. INSTALL SALVAGE RETURN GRILLE.
 3. PROVIDE NEW FILTERED RETURN GRILLE, TITUS 350RLF2, 22"x22" FOR LAY-IN CEILING APPLICATION. PROVIDE WITH NEW FILTER.

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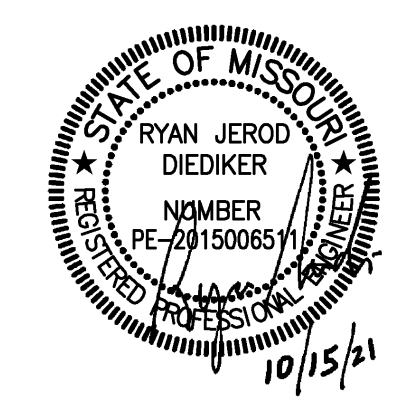
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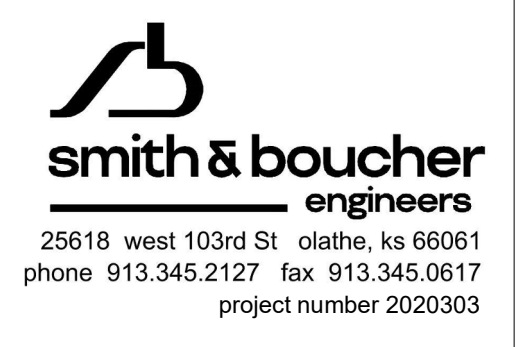
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 9. EXISTING DOMESTIC WATER SYSTEM SHALL BE ISOLATED AND DRAINED IN ORDER TO PERFORM NEW PIPING WORK.

PLAN NOTES - NEW WORK

1. CONNECT NEW 2" SAN TO 2" EXISTING SAN (OR LARGER) THAT SERVED PREVIOUS SINKS IN THE EXISTING FAC'S LAB. FIELD VERIFY EXACT LOCATION OF EXISTING SANITARY LINES.
2. APPROXIMATE LOCATION OF PREVIOUS SINK LOCATION.

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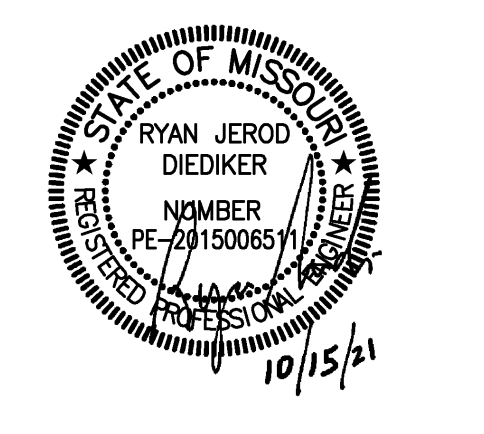
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 project number 2020303

P100

A1 Scale Enlarged Floor Plan - Lower Level - Plumbing
 1/8" = 1'-0"

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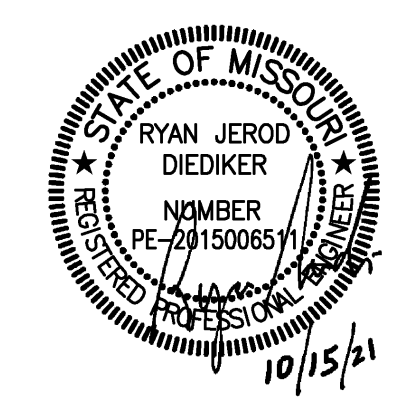
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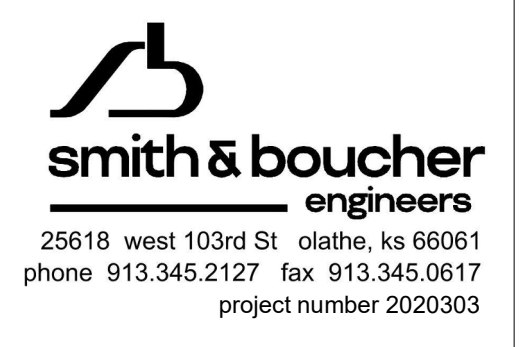
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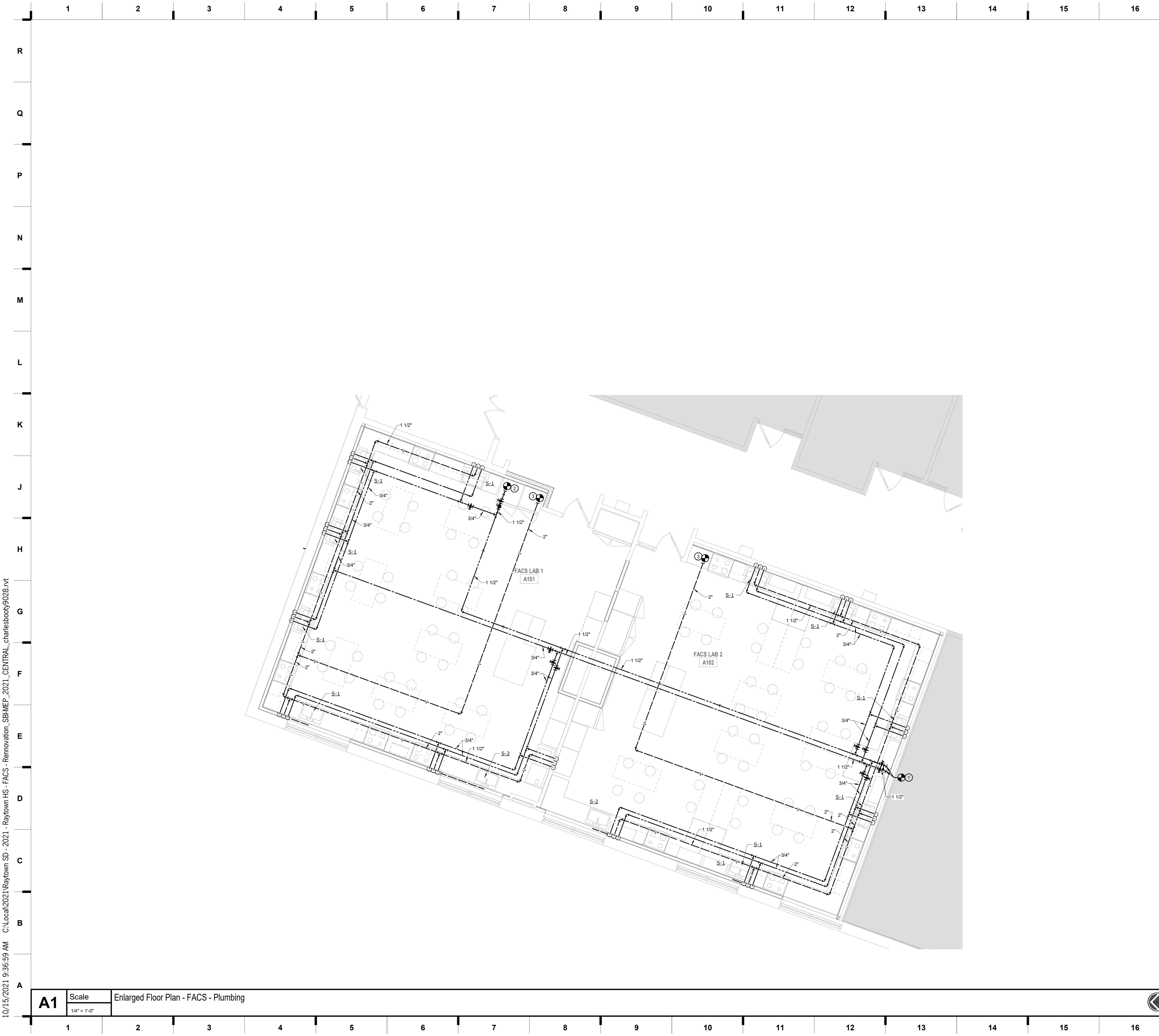


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P101

A1 Scale Overall Floor Plan - Level 1 - Plumbing
 1" = 20'-0"



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 9. EXISTING DOMESTIC WATER SYSTEM SHALL BE ISOLATED AND DRAINED IN ORDER TO PERFORM NEW PIPING WORK.

PLAN NOTES - NEW WORK

1. CONNECT NEW HW AND CW PIPING TO EXISTING PIPING AT THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING PIPING.
2. CONNECT NEW RHW PIPING TO EXISTING PIPING AT THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING PIPING.
3. EXACT LOCATION OF EXISTING VENT TIE-IN LOCATION WAS NOT ABLE TO BE DETERMINED DURING DESIGN SITE EVALUATION. UPON REMOVAL OF EXISTING CEILING AND EXISTING MEP, CONTRACTOR TO FIELD VERIFY EXISTING VENT LOCATIONS. IF VENT PIPING DESIGN AS SHOWN CAN BE REDUCED TO A MORE EFFICIENT ROUTING, SUBMIT RFI TO DESIGN TEAM FOR CONFIRMATION.

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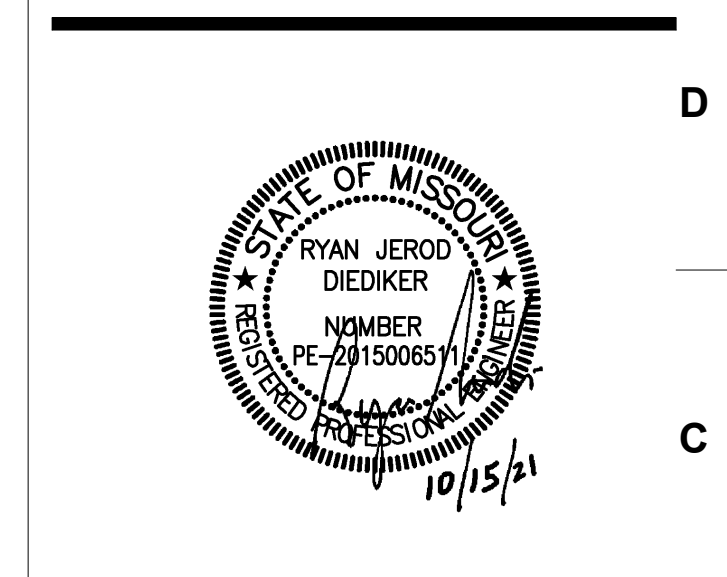
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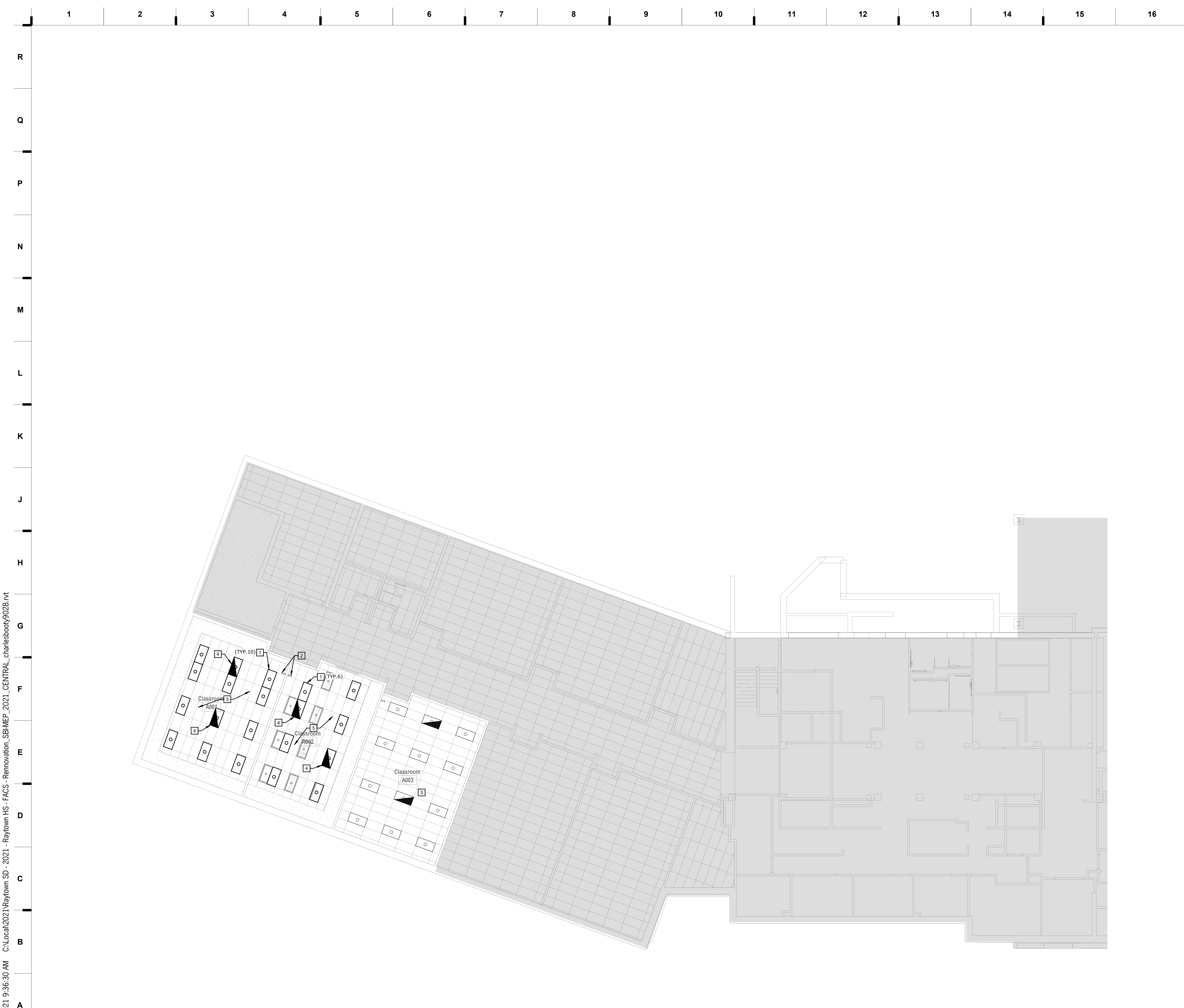
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SHEET KEYNOTE LEGEND

GENERAL NOTES:

1. REFER TO E101 FOR GENERAL NOTES.

PLAN NOTES:

- 1 REINSTALL SALVAGED LIGHT FIXTURE, RECONNECT TO SALVAGED CIRCUITING.
- 2 EXISTING LIGHT SWITCHES, RECONNECT ALL LIGHTING IN ROOM TO BE CONTROLLED SAME AS PREVIOUSLY.
- 3 EXISTING LIGHTING TO REMAIN AS IS.
- 4 REINSTALL SALVAGED LIGHT FIXTURE WITH EMERGENCY BATTERY BACK UP. RECONNECT TO SALVAGED SWITCHED CIRCUIT AND UNSWITCHED EMERGENCY CIRCUIT.
- 5 REINSTALL ALL OTHER ELECTRICAL CEILING DEVICES AND RECONNECT TO ASSOCIATED SALVAGED CABLING FOR AT APPROXIMATELY SAME LOCATION.

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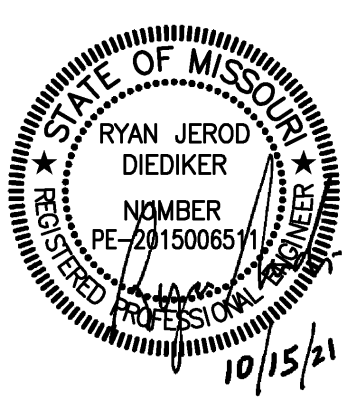
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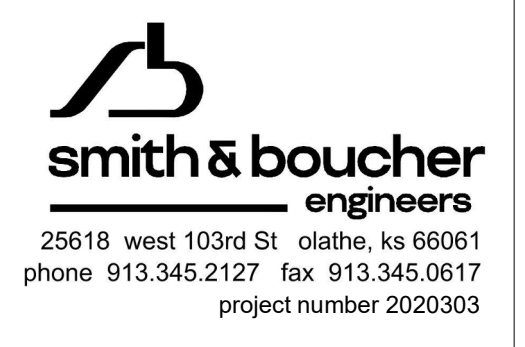
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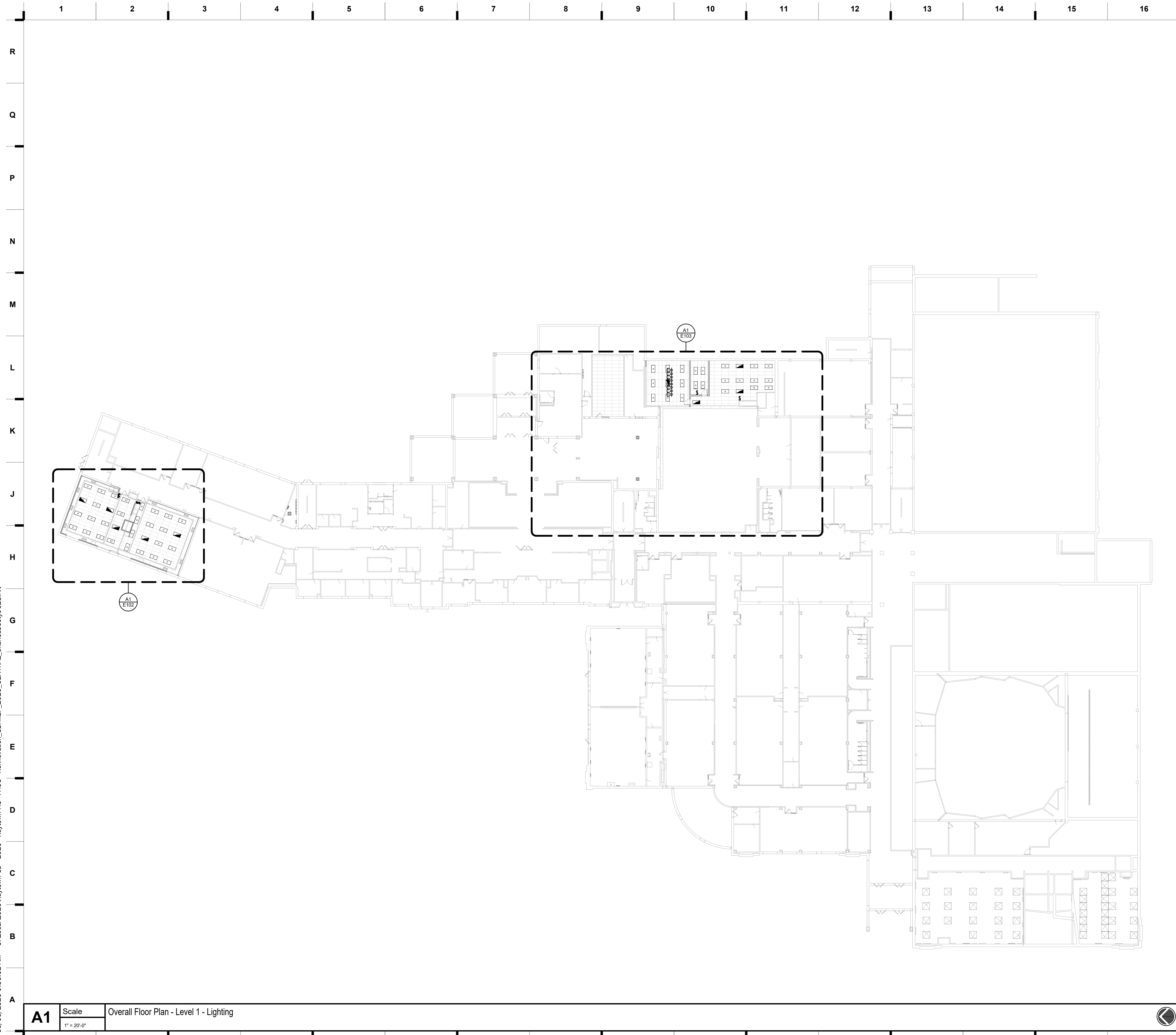
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A1 Scale Enlarged Floor Plan - Lower Level - Lighting
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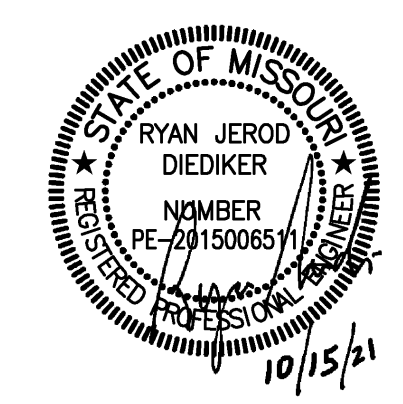
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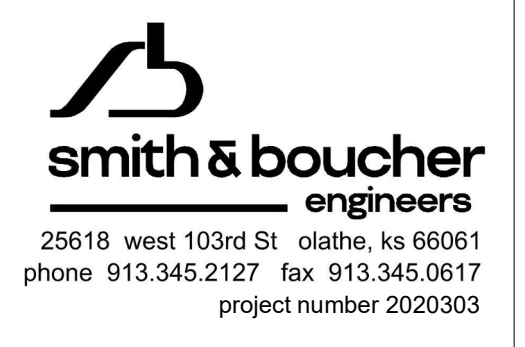
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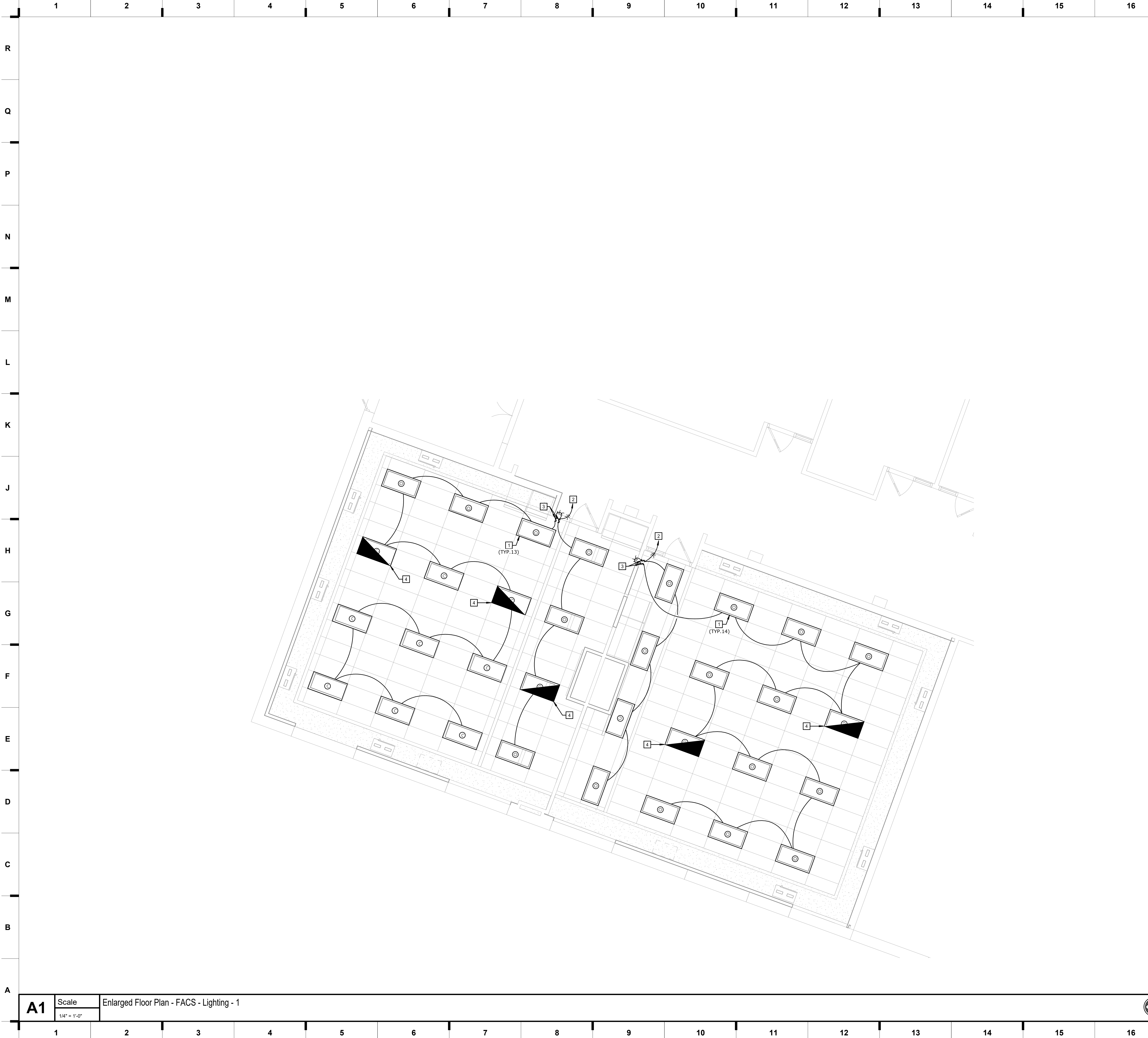
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A1 Scale Overall Floor Plan - Level 1 - Lighting
1" = 20'-0"

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- PLAN NOTES:**
- 1 REINSTALL SALVAGED TROFFER.
 - 2 CIRCUIT WITH SALVAGED LIGHTING HOME RUN CIRCUIT.
 - 3 REINSTALL SALVAGED TOGGLE SWITCHES. PROVIDE TWO ZONES AS SHOWN; ONE FOR FRONT ROW TROFFERS AND THE SECOND ZONE FOR THE REST OF THE TROFFERS.
 - 4 REINSTALL SALVAGED TROFFER WITH EMERGENCY BATTERY BACKUP. RECONNECT TO SALVAGED UNSWITCHED HOT CONDUCTOR FOR EMERGENCY BATTERY. MODIFY CIRCUIT AS NEEDED.

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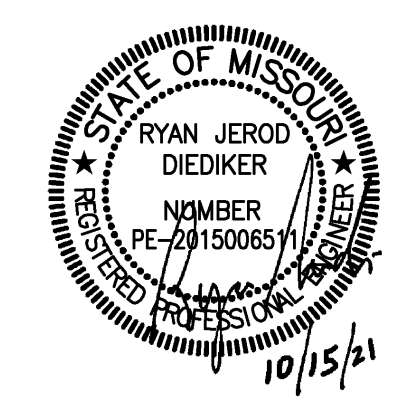
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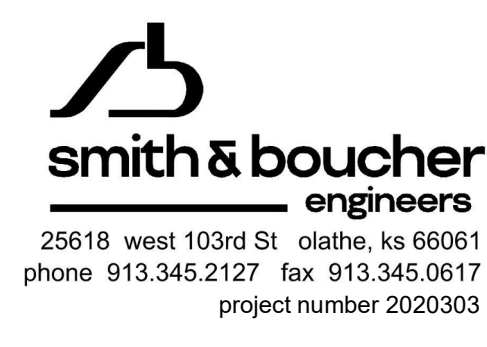
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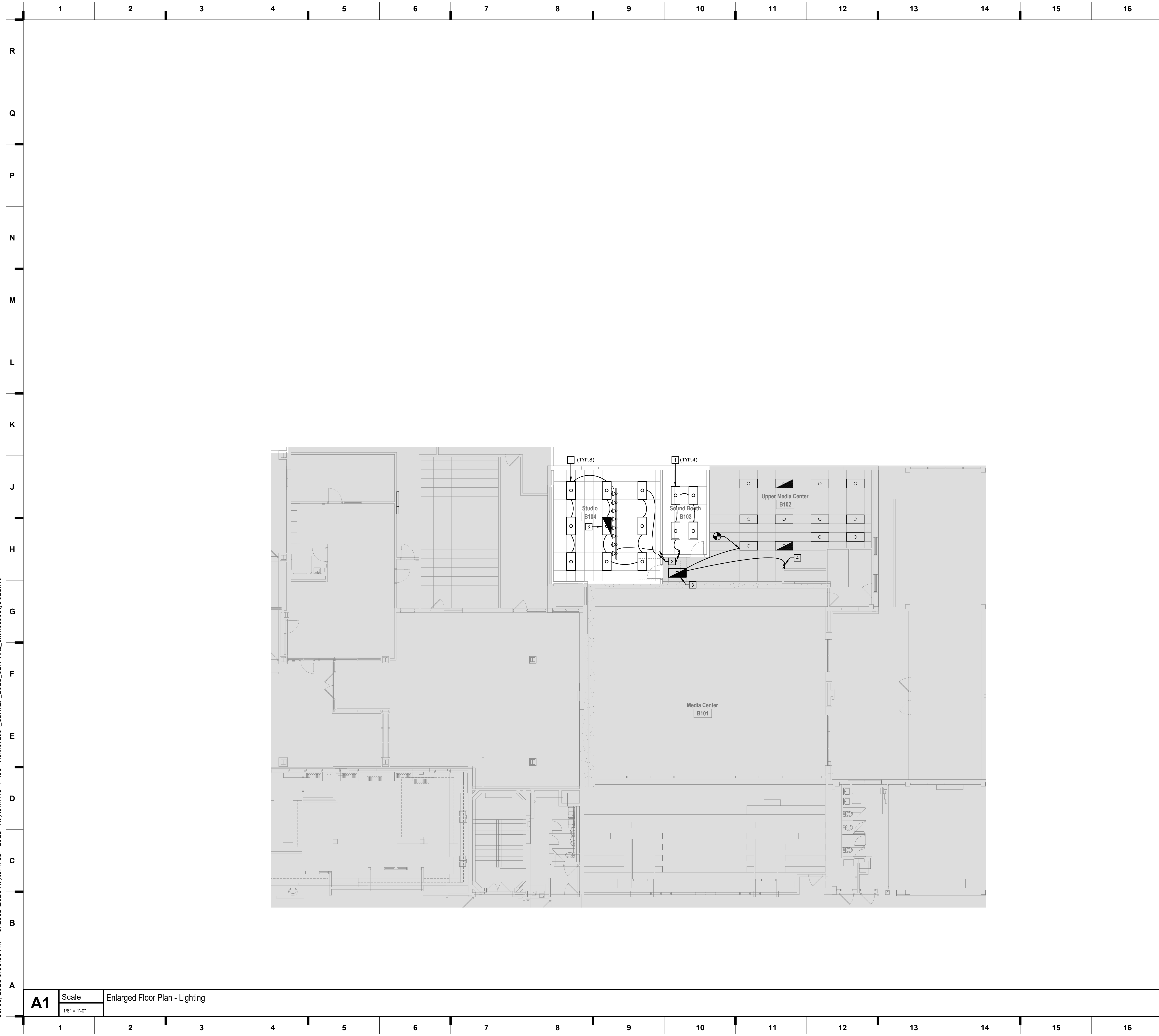
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E102

A1 Scale Enlarged Floor Plan - FACS - Lighting - 1
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SHEET KEYNOTE LEGEND

- GENERAL NOTES:**
 1. REFER TO E101 FOR GENERAL NOTES.
- PLAN NOTES:**
- 1 REINSTALL SALVAGED TROFFER, CIRCUIT WITH SALVAGED LIGHT SWITCHES AND TO SALVAGED LIGHTING HOME RUN.
 - 2 PROVIDE LINE VOLTAGE SWITCH WITH 0-10 DIMMING. CIRCUIT TO EXISTING 277V HOMERUN SERVING PREVIOUS LIGHTING IN SPACE. FIELD VERIFY 277 VOLTAGE PRIOR TO ORDERING TRACK FIXTURE.
 - 3 REINSTALL SALVAGE TROFFER WITH EMERGENCY BATTERY BACKUP. CIRCUIT WITH EXISTING FIXTURES AS SHOWN. CIRCUIT TO SALVAGED HOT CONDUCTOR FOR EMERGENCY BATTERY BACKUP.
 - 4 REINSTALL SALVAGED TOGGLE SWITCH, CONFIRM LOCATION WITH DISTRICT PRIOR TO ROUGH-IN.
 - 5 CUT AND PATCH DRYWALL AS NEEDED.

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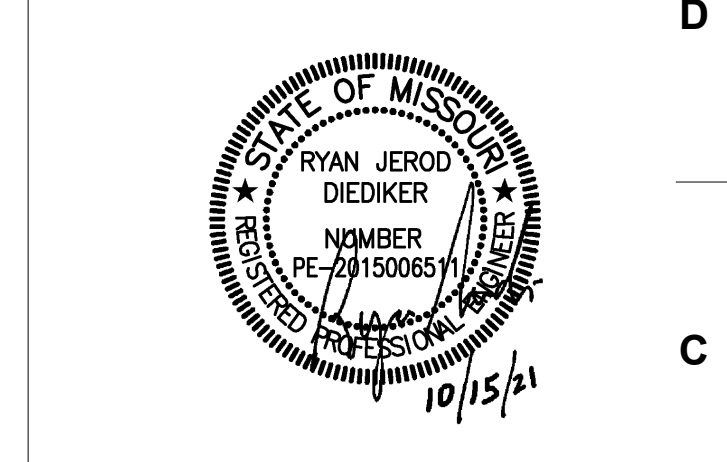
Smith & Boucher Inc.
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 State Certificate of Authority #EGC-0001787
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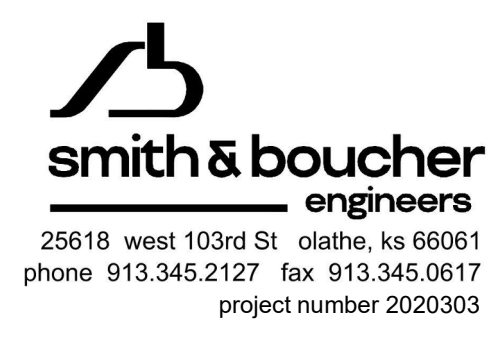
Raytown High School Renovation
 Raytown Quality Schools
 6019 Blue Ridge Blvd
 Raytown, MO 64133

REVISIONS:

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E103

A1 Scale Enlarged Floor Plan - Lighting
 1/8" = 1'-0"

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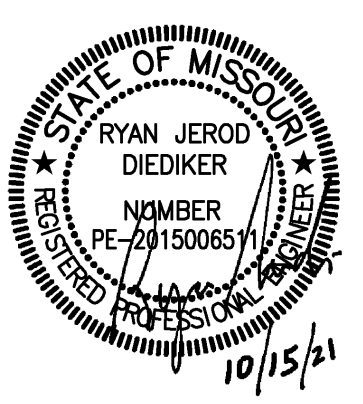
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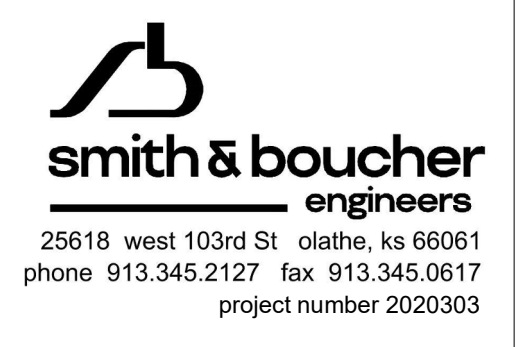
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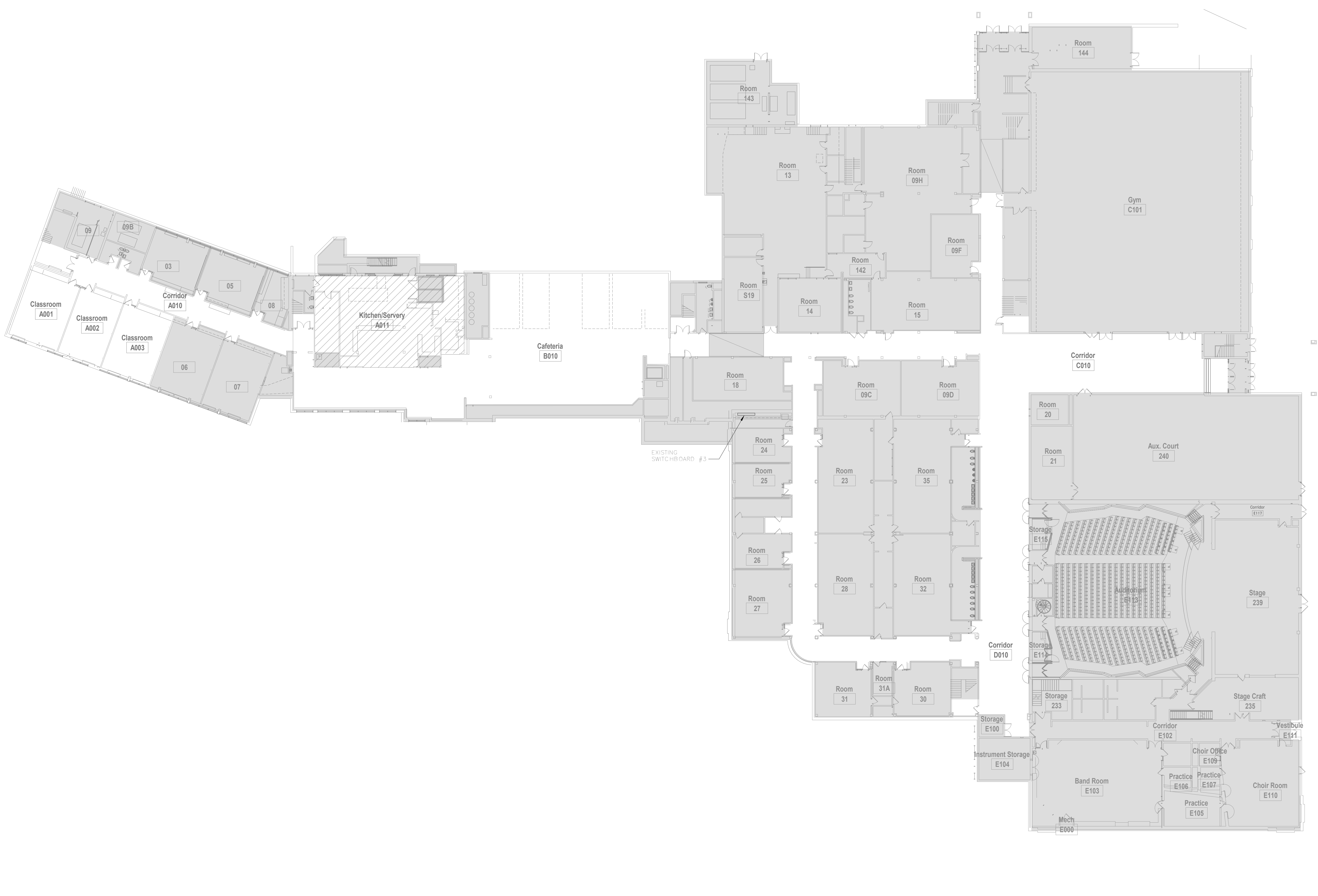


E200

OVERALL FLOOR PLAN - LOWER LEVEL - POWER

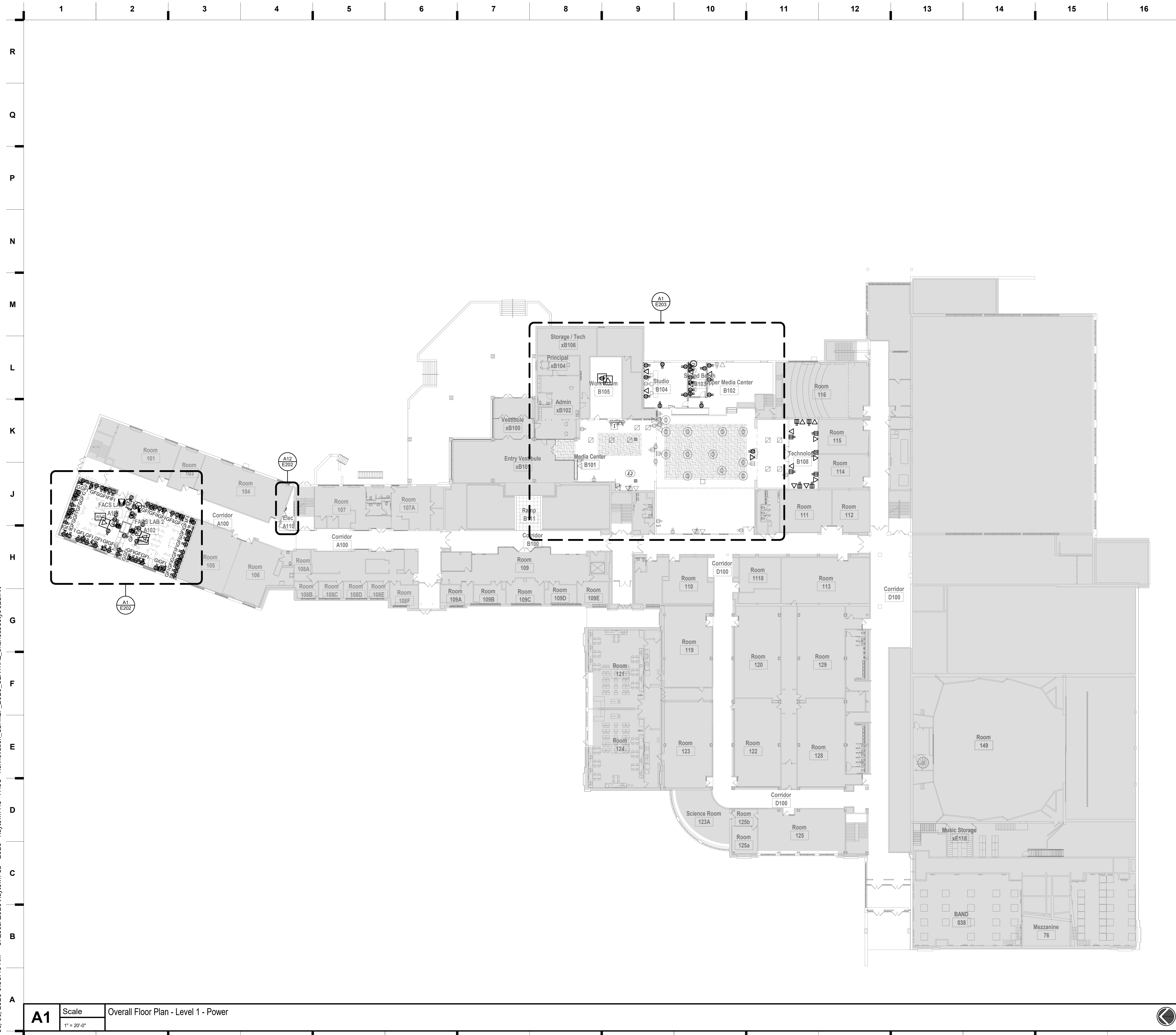
A1 Scale Overall Floor Plan - Lower Level - Power
1" = 20'-0"

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16



Please consider the environment before printing this.

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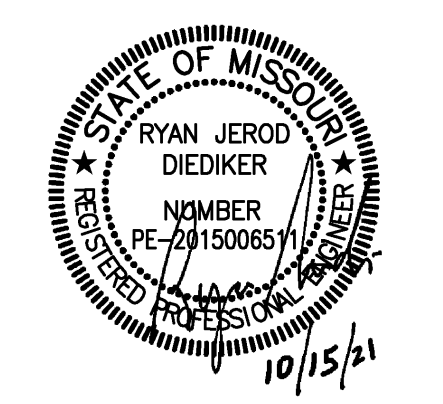
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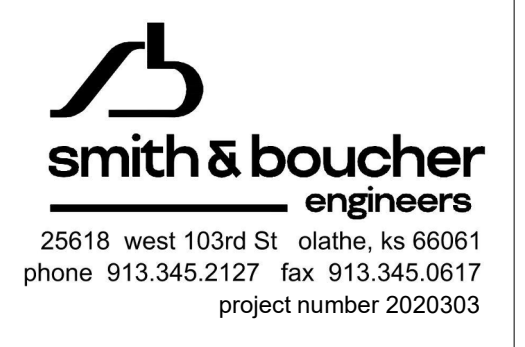
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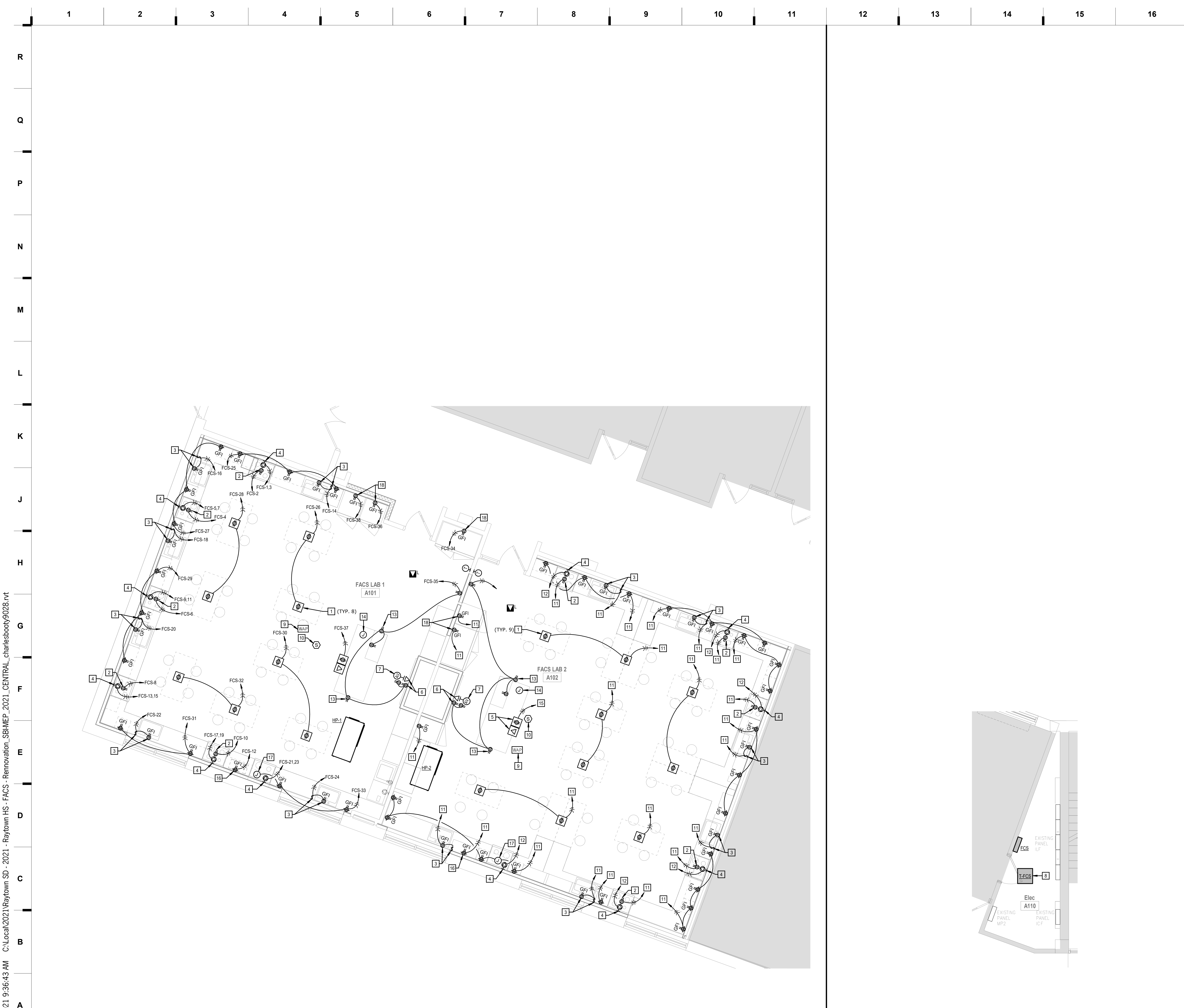
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E201

A1 Scale Overall Floor Plan - Level 1 - Power
 1" = 20'-0"

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A1

Scale
1/4" = 1'-0"

Enlarged Floor Plan - FACS - Power

A12

Scale
1/4" = 1'-0"

Enlarged Floor Plan - Electrical Room - Power

SHEET KEYNOTE LEGEND

- GENERAL NOTES:**
- REFER TO SHEET E201 FOR GENERAL NOTES.
- PLAN NOTES:**
- PROVIDE SUSPENDED QUAD RECEPTACLE FROM CEILING. PROVIDE CHORD LENGTH SO THAT OUTLET IS 18" OFF OF TABLE. PROVIDE WITH SO CHORD AND STRAIN RELIEF. REFER TO DETAIL ON SHEET E301. COORDINATE EXACT LOCATION WITH ARCHITECT.
 - RECEPTACLE FOR MICROWAVE UNIT MOUNTED ABOVE STOVE. COORDINATE WITH ARCHITECTURAL ELEVATIONS AND LOCATION OF MICROWAVE.
 - SWITCHED RECEPTACLE MOUNTED UNDERSINK FOR GARBAGE DISPOSAL. CONFIRM SWITCH LOCATION WITH ARCHITECT.
 - 40A 208V NEMA 6-50 RECEPTACLE FOR OVEN/RANGE CIRCUIT WITH (2)#6, #10G, 1"C.
 - PROVIDE POWER AND DATA ROUGH-IN AT CEILING PROJECTOR. COORDINATE LOCATION WITH ARCHITECT AND SCHOOL DISTRICT.
 - PROVIDE POWER AND DATA ROUGH-IN FOR SMARTBOARD. COORDINATE LOCATION WITH ARCHITECT AND SCHOOL DISTRICT. PROVIDE DATA ROUGH-IN WITH 4"x4"x3" DEEP BACK BOX WITH SINGLE GANG RING AND WITH 1-1/2" CONDUIT TO ABOVE CEILING AND DOWN TO AV STATION BELOW FOR AV CABLING BY OTHERS.
 - PROVIDE AV STATION ROUGH-IN WITH 4"x4"x3" DEEP BACK BOX WITH SINGLE GANG RING AND WITH 1-1/2" CONDUIT TO DATA BOX ABOVE FOR AV CABLING BY OTHERS.
 - SUSPEND TRANSFORMER FROM STRUCTURE ABOVE. FIELD VERIFY TRANSFORMER WILL NOT CONFLICT WITH EXISTING SYSTEMS PRIOR TO ROUGH-IN.
 - REINSTALL SALVAGED WIRELESS ACCESS POINT, RECONNECT TO SALVAGED CABLING.
 - REINSTALL SALVAGED SPEAKER RECONNECT TO SALVAGED CABLING.
 - CIRCUIT TO SALVAGED 120V 20A HOMERUN FROM EXISTING PANEL 1LF.
 - CIRCUIT TO SALVAGED 50A 208V HOMERUN, SWAP EXISTING 50A-2P CIRCUIT BREAKERS WITH NEW 40A-2P CIRCUIT BREAKERS IN EXISTING PANEL 1LF, AS REQUIRED BY NEW OVEN/RANGE. VERIFY WITH SELECTED MANUFACTURERS.
 - MOUNT RECEPTACLE JUST UNDER COUNTERTOP; REFER TO ARCHITECTURAL ELEVATIONS.
 - STUB UP CIRCUITTING INTO CASEWORK FROM BELOW. COREDRILL AS NEEDED. COORDINATE WITH CASEWORK LOCATION AND WIRING CHASES.
 - CIRCUIT TO SALVAGED PROJECTOR HOMERUN IN CEILING FROM EXISTING PANEL 1LF.
 - RECEPTACLE FOR COUNTERTOP MICRO WAVE, COORDINATE WITH ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION.
 - POWER FOR OVEN HOOD. PROVIDE WITH ADA CONTROLS. COORDINATE WITH OVEN HOOD MANUFACTURER.
 - RECEPTACLE FOR FRIDGERATION EQUIPMENT, COORDINATE EXACT LOCATION WITH ARCHITECTURAL ELEVATIONS.

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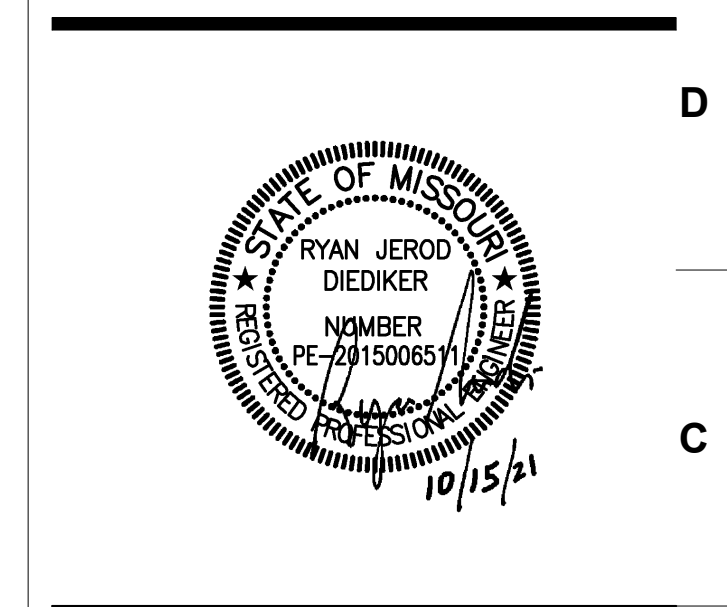
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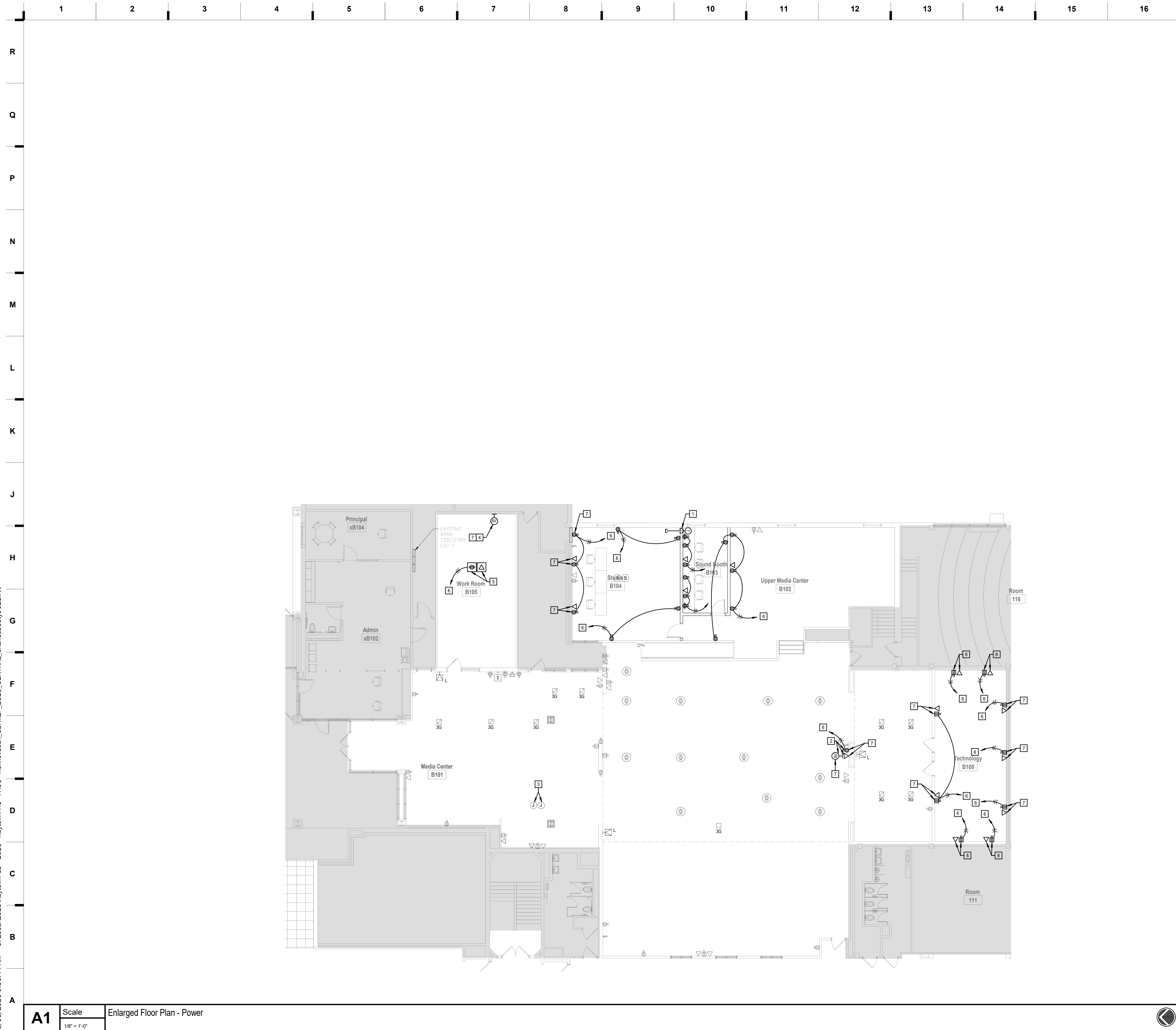
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E202

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SHEET KEYNOTE LEGEND

- GENERAL NOTES:
1. REFER TO E201 FOR GENERAL NOTES.
- PLAN NOTES:
- 1 PROVIDE 4"x4"x3" DEEP JUNCTION BOX UNDER COUNTERTOP WITH A 2-1/2" CONDUIT STUBBED ABOVE CEILING IN STUDIO. SOUND PROOF CONDUIT WALL PENETRATION WITH SPRAY FOAM.
 - 2 POWER AND 4"x4"x3" DEEP LOW VOLTAGE WITH SINGLE GANG RING BOX FOR WALL MOUNTED PROJECTOR. PROVIDE 1-1/2" CONDUIT DOWN TO 4"x4"x3" DEEP AV BOX BELOW FOR HDMI CABLING BY OTHERS AND 1" CONDUIT TO ABOVE ACCESSIBLE CEILING FOR DATA CABLING. COORDINATE HEIGHTS WITH PROJECTOR HEIGHT PER DISTRICT.
 - 3 CONNECT NEW DESK TO EXISTING FLOOR POWER AND DATA CABLING FROM PREVIOUS DESK. COORDINATE WITH SCHOOL.
 - 4 4"x4"x3" DEEP AV BOX WITH SINGLE GANG RING AND 1-1/2" CONDUIT TO ABOVE CEILING FOR HDMI CABLING BY OTHERS.
 - 5 POWER AND DATA FOR CEILING MOUNTED PROJECTOR, COORDINATE LOCATION WITH DISTRICT.
 - 6 CONNECT TO SPARE 20A-1P BREAKER IN EXISTING PANEL ILG-1.
 - 7 CUT AND PATCH GYP AS NEEDED TO RECESSED DEVICE AND CONDUIT IN GYP WALL.
 - 8 PROVIDE WIREMOLD RACEWAY FOR SURFACEMOUNT ON CMU WALL AS PER GENERAL NOTES.

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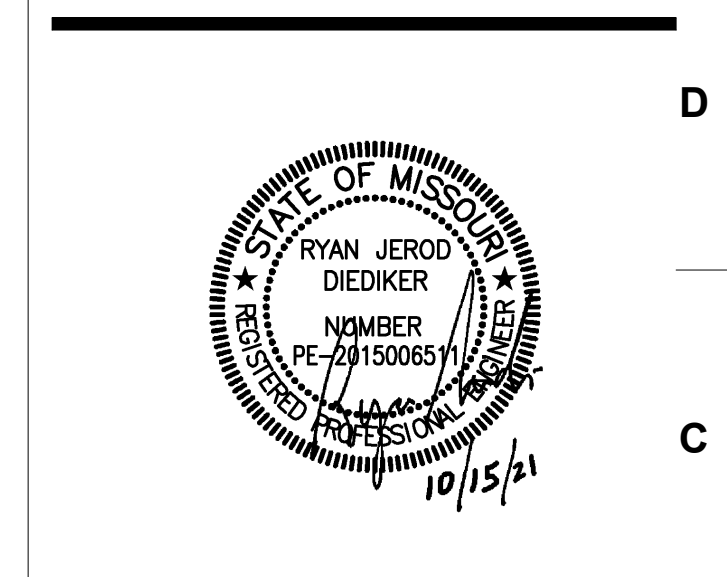
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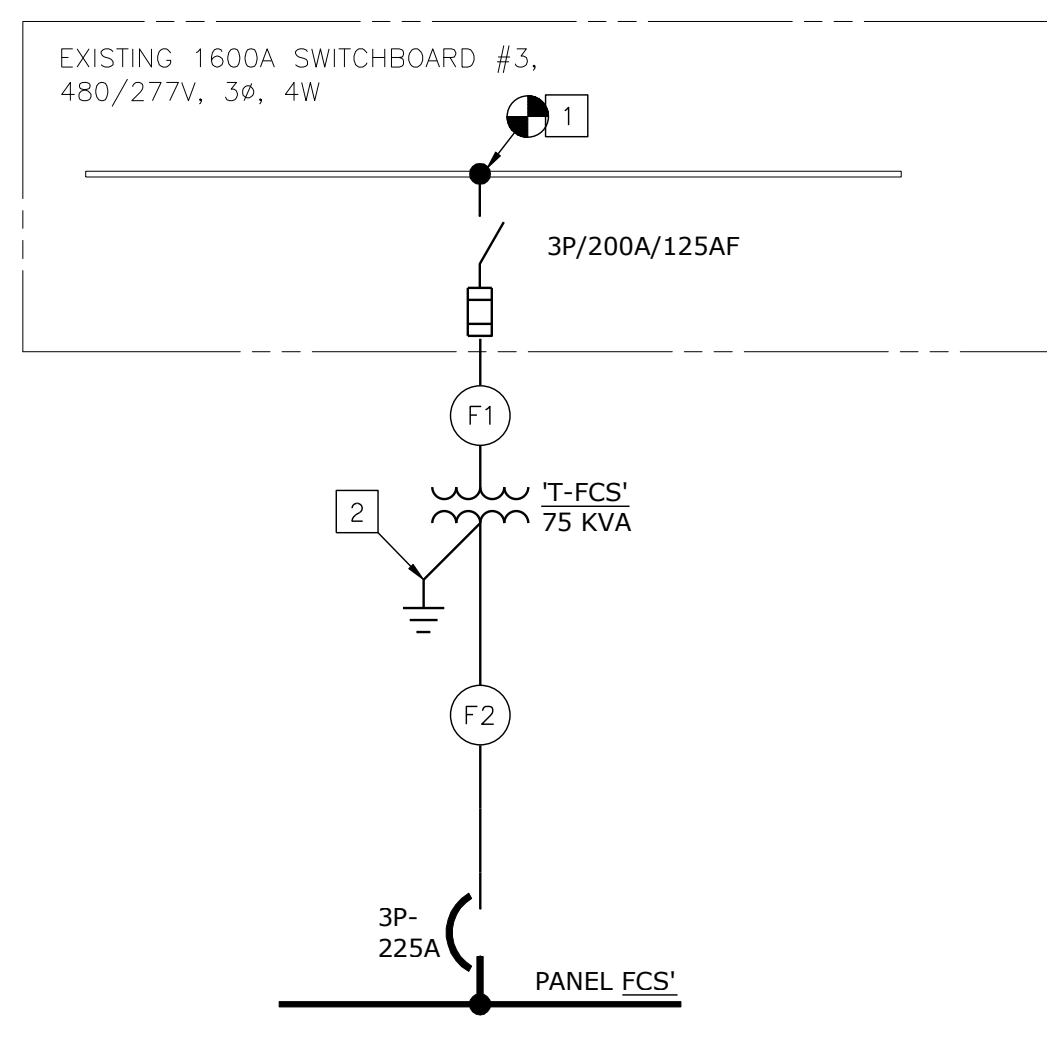
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project number 2020303

E203

A1 Scale Enlarged Floor Plan - Power
1/8" = 1'-0"

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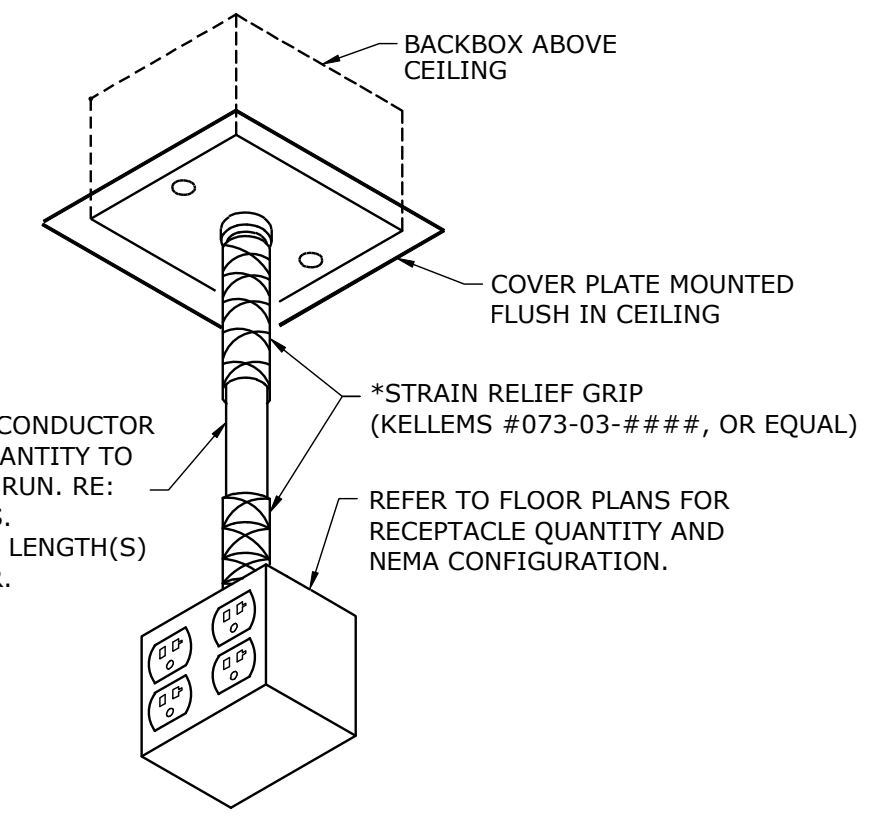


FEEDER SCHEDULE		
NO.	CONDUCTORS AND CONDUIT	MATERIAL
F1	(3)#1/0, #6G, 1-1/2" C.	CU
F2	(4)#4/0, #4G, 2-1/2" C.	CU

CU = COPPER CONDUCTORS

- PLAN NOTES:
- FURNISH AND INSTALL NEW FUSED DISCONNECT WITHIN THE EXISTING REMOTE 1600A SWITCHBOARD REFER TO E200 FOR LOCATION. REARRANGE TOP FOUR DISCONNECT SO THAT THERE IS ENOUGH SPACE FOR THE FCS FEEDER
 - REFER TO 'TYPICAL TRANSFORMER GROUNDING' DIAGRAM ON THIS SHEET FOR TRANSFORMER GROUNDING REQUIREMENTS/SIZE.

PARTIAL ELECTRIC ONE LINE DIAGRAM
NOT TO SCALE



S.O. CORD - CONDUCTOR SIZE AND QUANTITY TO MATCH HOMERUN. RE: FLOOR PLANS. COORDINATE LENGTH(S) WITH OWNER.

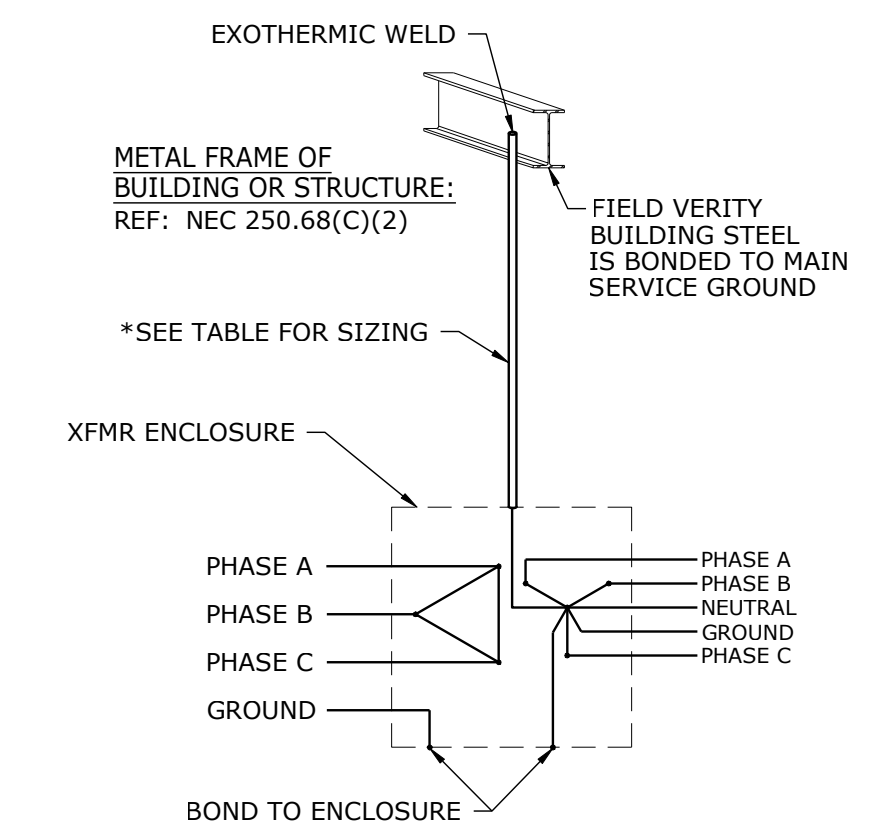
*STRAIN RELIEF GRIP (KELEMS #073-03-##, OR EQUAL)

REFER TO FLOOR PLANS FOR RECEPTACLE QUANTITY AND NEMA CONFIGURATION.

* SIZE STRAIN RELIEF PER MANUFACTURER RECOMMENDATIONS BASED ON S.O. CORD SIZE.

FLUSH MOUNT SUSPENDED OUTLET
NOT TO SCALE

PANEL FCS (NEW)									
MAIN BUS AMPS:		225A		AIC:		10,000 A			
MAIN BREAKER:		225A		SECTIONS:		1 - 60 SPACE		EQUIPMENT GROUND BUS	
VOLTAGE:		208Y/120 V		MOUNTING:		SURFACE			
PHASES/WIRES:		3 PH / 4 W		LOCATION:		RE: PLANS			
CIRCUIT DESCRIPTION	POLE #	AMPS	CKT NO	CKT NO	AMPS	POLE #	CIRCUIT DESCRIPTION	POLE #	AMPS
REC - RANGE/OVEN #1	2	50	1	2	20	1	REC - MICROWAVE #1	1	20
			3	4	20	1	REC - MICROWAVE #2	1	20
REC - RANGE/OVEN #2	2	50	5	6	20	1	REC - MICROWAVE #3	1	20
			7	8	20	1	REC - MICROWAVE #4	1	20
REC - RANGE/OVEN #3	2	50	9	10	20	1	REC - MICROWAVE #5	1	20
			11	12	20	1	REC - MICROWAVE #6	1	20
REC - RANGE/OVEN #4	2	50	13	14	20	1	REC - DISPOSER #1	1	20
			15	16	20	1	REC - DISPOSER #2	1	20
REC - RANGE/OVEN #5	2	50	17	18	20	1	REC - DISPOSER #3	1	20
			19	20	20	1	REC - DISPOSER #4	1	20
REC - RANGE/OVEN #6	2	50	21	22	20	1	REC - DISPOSER #5	1	20
			23	24	20	1	REC - DISPOSER #6	1	20
REC - GEN #1	1	20	25	26	20	1	REC - CHORD #1	1	20
REC - GEN #2	1	20	27	28	20	1	REC - CHORD #2	1	20
REC - GEN #3	1	20	29	30	20	1	REC - CHORD #3	1	20
REC - GEN #4	1	20	31	32	20	1	REC - CHORD #4	1	20
REC - GEN #5	1	20	33	34	20	1	REC - FRIDGE #1	1	20
REC - GEN #6	1	20	35	36	20	1	REC - FRIDGE #2	1	20
SPARE	1	20	37	38	20	1	REC - FRIDGE #3	1	20
SPARE	1	20	39	40	20	1	SPARE	1	20
SPARE	1	20	41	42	20	1	SPARE	1	20
SPARE	1	20	43	44	20	1	SPARE	1	20
SPARE	1	20	45	46	20	1	SPARE	1	20
SPARE	1	20	47	48	20	1	SPARE	1	20
SPARE	1	20	49	50	20	1	SPARE	1	20
SPARE	1	20	51	52	20	1	SPARE	1	20
SPARE	1	20	53	54	20	1	SPARE	1	20
SPARE	1	20	55	56	20	1	SPARE	1	20
SPARE	1	20	57	58	20	1	SPARE	1	20
SPARE	1	20	59	60	20	1	SPARE	1	20



TRANSFORMER SIZE	(*)
15 KVA OR SMALLER	# 8 CU IN 1/2" C.
30, 45 KVA	# 6 CU IN 1/2" C.
75 KVA	# 2 CU IN 1/2" C.
112.5, 150 KVA	# 1/0 CU IN 3/4" C.
225 KVA	# 2/0 CU IN 3/4" C.
300, 500 KVA	# 3/0 CU IN 1" C.

TYPICAL TRANSFORMER GROUNDING
NOT TO SCALE

LIGHT FIXTURE SCHEDULE						
TYPE	DESCRIPTION	MOUNTING	LAMP	VOLTS	MANUFACTURER	V-A
A	LINE VOLTAGE TRACK WITH 0-10V DIMMING. FIXTURE HEADS TO BE FULLY ADJUSTABLE. SDEG TO 50DEG ADJUSTABLE BEAM ANGLE. BLACK TRACK FINISH, AND BLACK FIXTURE FINISH CONFIRM WITH ARCH.	TRACK	LED 800 LUMENS (DELIVERED) 90 CRI 3500K (PER HEAD)	277	LIGHTING SERVICES CONTROL TRACK WITH ZOOM SERIES LZ HEADS	20/HEAD
					OR PRE-BID APPROVED EQUAL	

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project number 2020303

E301

PROJECT NAME: Raytown_High_School_Renovation - FCS
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PLOTTER BY: DATE: TIME
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Charles Bosty