

ADD. No. 5 DECEMBER 20, 2024

ISSUED FOR DATE

PROJECT TITLE
LOY NORRIX HIGH
SCHOOL MECHANICAL
IMPROVEMENTS
PROJECT

OWNER
KALAMAZOO PUBLIC
SCHOOLS

Kalamazoo, Michigan

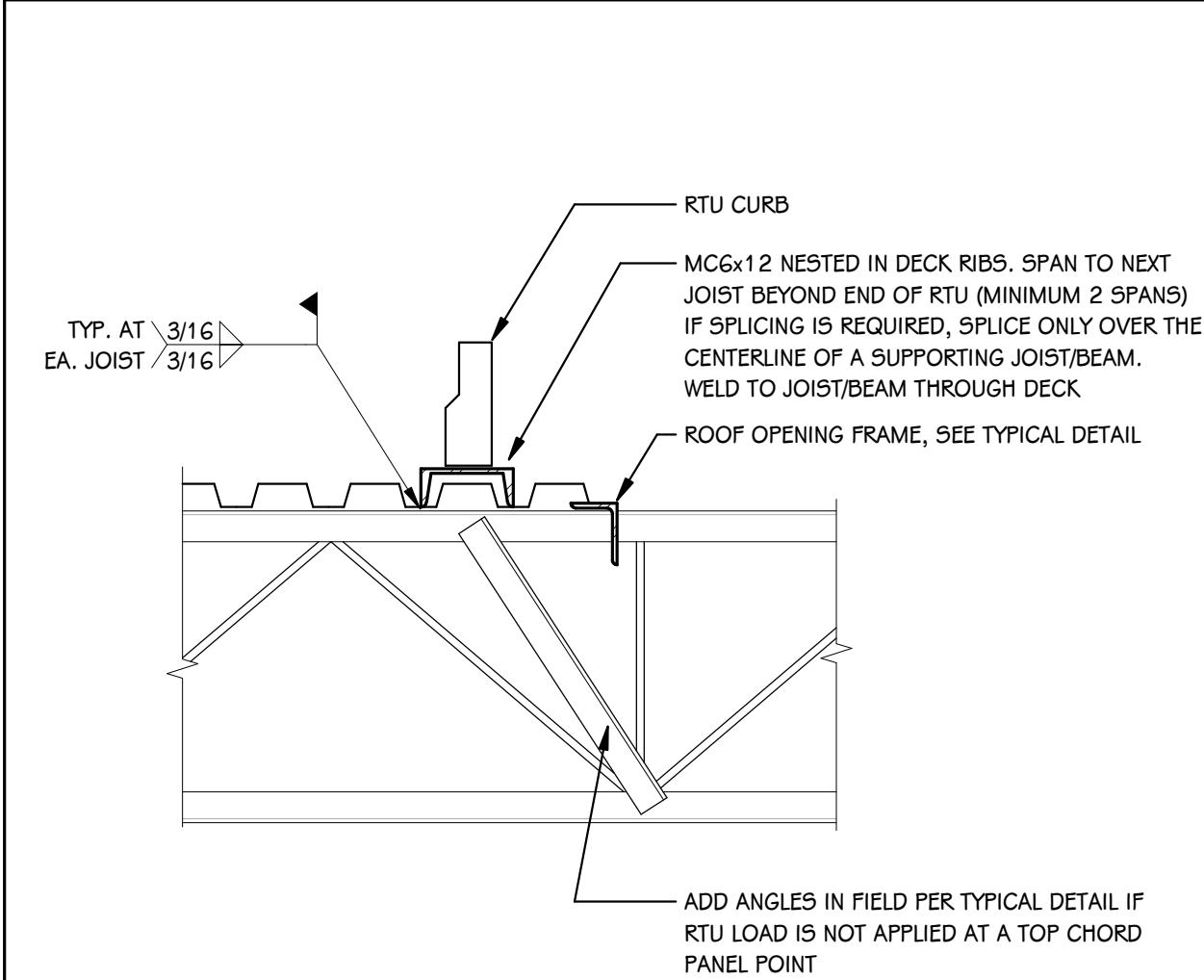
SHEET TITLE
OVERALL LOWER LEVEL FLOOR PLAN

DATE
DECEMBER 9, 2024

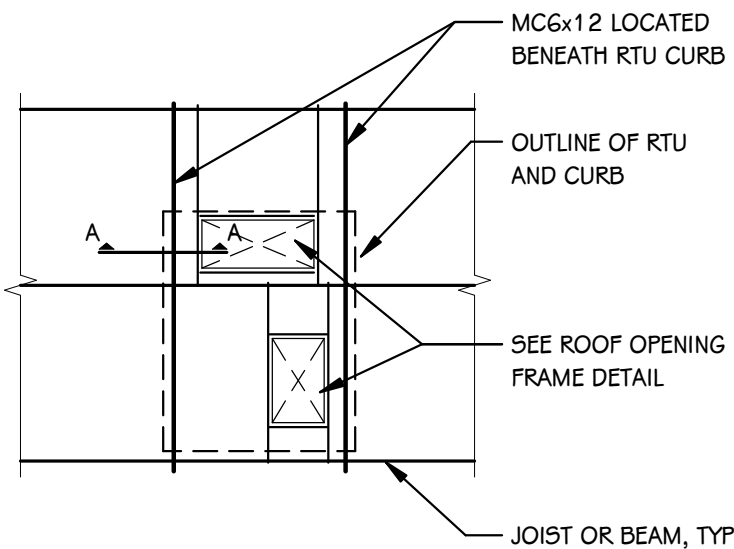
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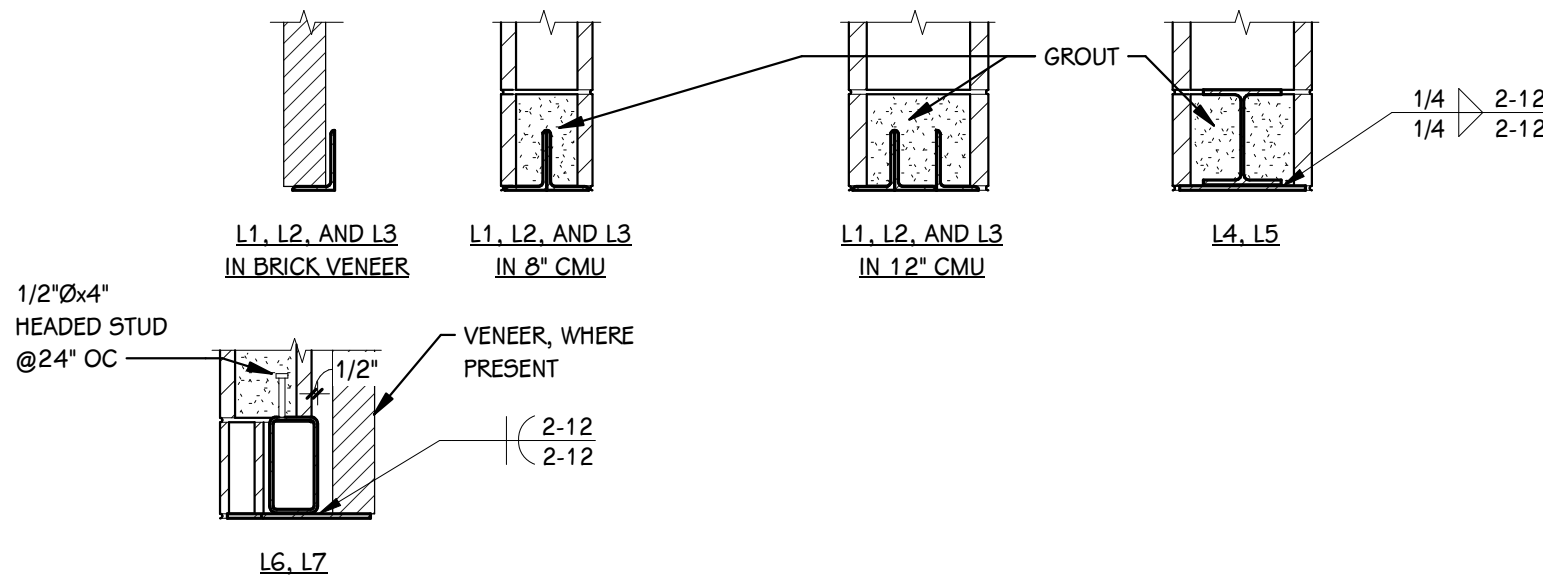
SECTION A-A



PLAN VIEW

TYPICAL RTU SUPPORT

SCALE: NONE



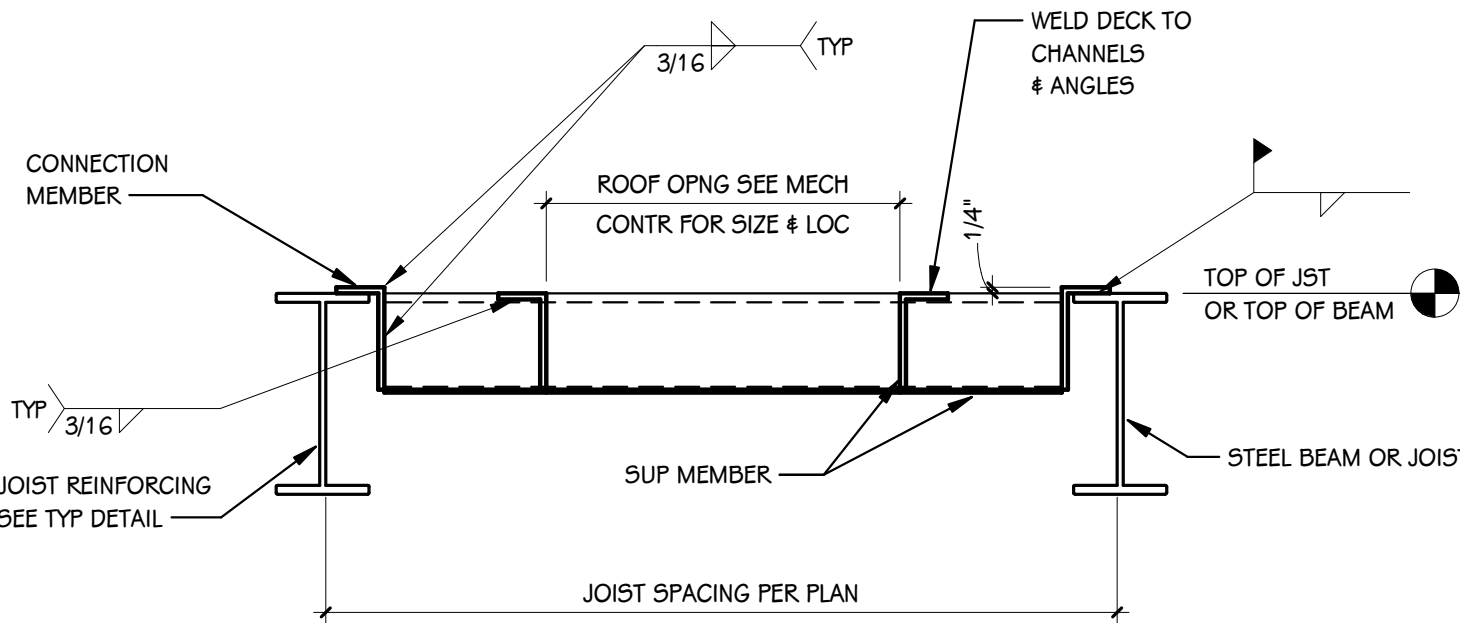
LINTEL TYPE	LINTEL SIZE	NOTES
L1	L3 1/2x3 1/2x5/16 PER 4" NOMINAL MASONRY THICKNESS	
L2	L5x3 1/2x5/16 (LLV) PER 4" NOMINAL MASONRY THICKNESS	
L3	L6x3 1/2x5/16 (LLV) PER 4" NOMINAL MASONRY THICKNESS	
L4	W8x24 WITH 5/16" BOTTOM PLATE	PROVIDE BEARING PLATE EACH END PER TYPICAL BEAM BEARING DETAIL
L5	W8x15 WITH 5/16" BOTTOM PLATE	PROVIDE BEARING PLATE EACH END PER TYPICAL BEAM BEARING DETAIL
L6	HSS8X4X5/16 WITH 5/16" BOTTOM PLATE	PROVIDE BEARING PLATE EACH END PER TYPICAL BEAM BEARING DETAIL
L7	HSS8X8X5/16 WITH 3/8" BOTTOM PLATE	PROVIDE BEARING PLATE EACH END PER TYPICAL BEAM BEARING DETAIL

NOTES:

- THIS DETAIL AND SCHEDULE APPLIES TO OPENINGS WITHIN EXISTING MASONRY WALL CONSTRUCTION AND OPENINGS WITHIN BRICK VENEER, UNLESS NOTED OR DETAILED OTHERWISE.
- ALL OPENINGS WIDER THAN 8" IN MASONRY WALLS REQUIRE LINTELS. NOT ALL LINTELS ARE SHOWN ON PLANS - REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS AND SIZES OF OPENINGS.
- 8" LINTEL BEARING REQUIRED, EACH END
- ALL LINTELS WITHIN EXTERIOR WALLS SHALL BE GALVANIZED.
- GROUT CMU SOLID BELOW LINTEL BEARING DOWN TO FOUNDATION.
- FOR LINTEL TYPES L6 & L7, WHERE NO SECTION IS PROVIDED ON STRUCTURAL, COORDINATE WITH ARCHITECTURAL DETAILS AND WALL SECTIONS TO DETERMINE REQUIRED PLATE WIDTH AND POSITION OF LINTEL.
- WHERE NO LINTEL DESIGNATION IS NOTED ON FRAMING PLANS, PROVIDE LINTEL AS FOLLOWS:
 - L1 FOR OPENINGS LESS THAN OR EQUAL TO 4' - 0" WIDE
 - L2 FOR OPENINGS LESS THAN OR EQUAL TO 5' - 8" WIDE
 - L3 FOR OPENINGS LESS THAN OR EQUAL TO 6' - 8" WIDE

STEEL LINTEL SCHEDULE

SCALE: NONE



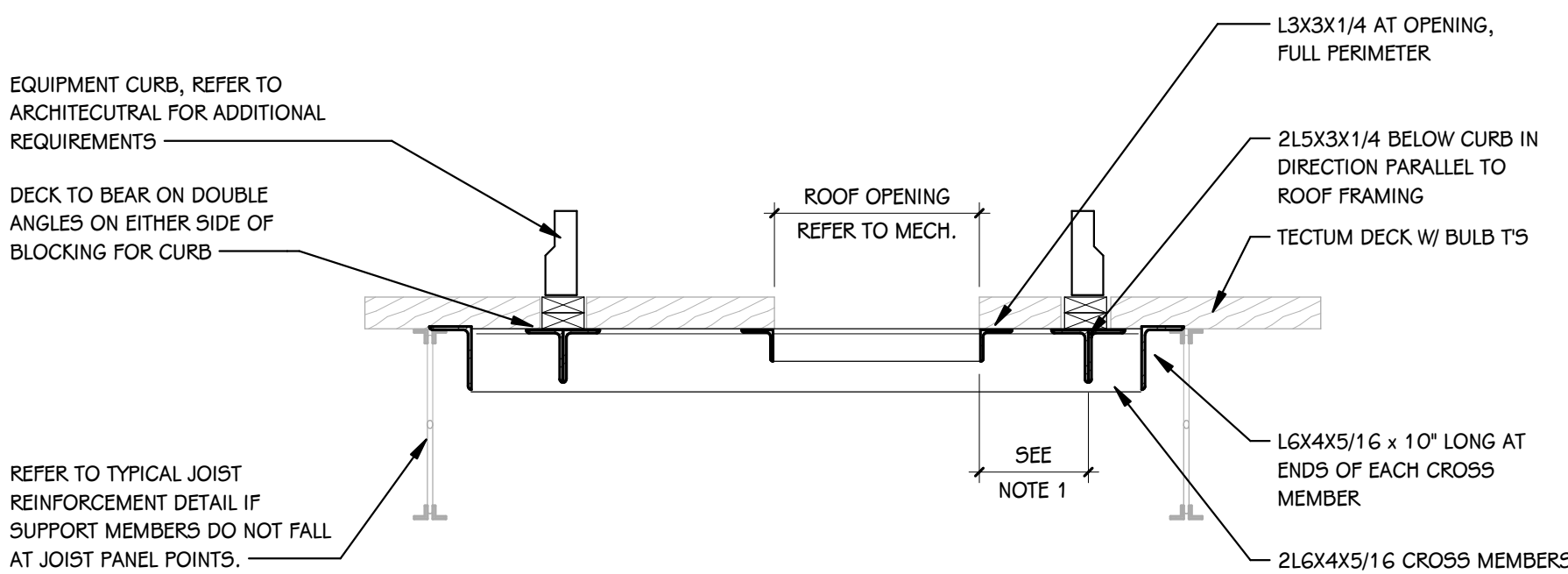
NOTE: ALL WELDING TO JOIST SHALL BE DONE WITH CARE SO AS NOT TO IMPAIR JOIST.

JOIST SPACING	SUPPORTING MEMBER	CONNECTING MEMBER
MAX 6'-0"	L3x3x1/4	L3x3x1/4x0'-6"
MAX 6'-0"	L5x3x1/4 LLV	L5x3x1/4 LLV x 6"
GREATER THAN 6'-0"	L5x3x1/4 LLV	L5x3x1/4 LLV x 6"
GREATER THAN 6'-0"	C6x8, 2	BENT PLATE 8x3x1/4 (LLV) x 8"

- COORDINATE LOCATION & SIZE OF OPENINGS WITH MECHANICAL CONTRACTOR.
- ALL FRAMING LOCATED BELOW ROOF FRAMING IS TO BE PRIME PAINTED PER DIVISION 05 AND FINISH COAT PER DIVISION 09.

TYPICAL ROOF OPENING FRAME DETAIL

SCALE: NONE

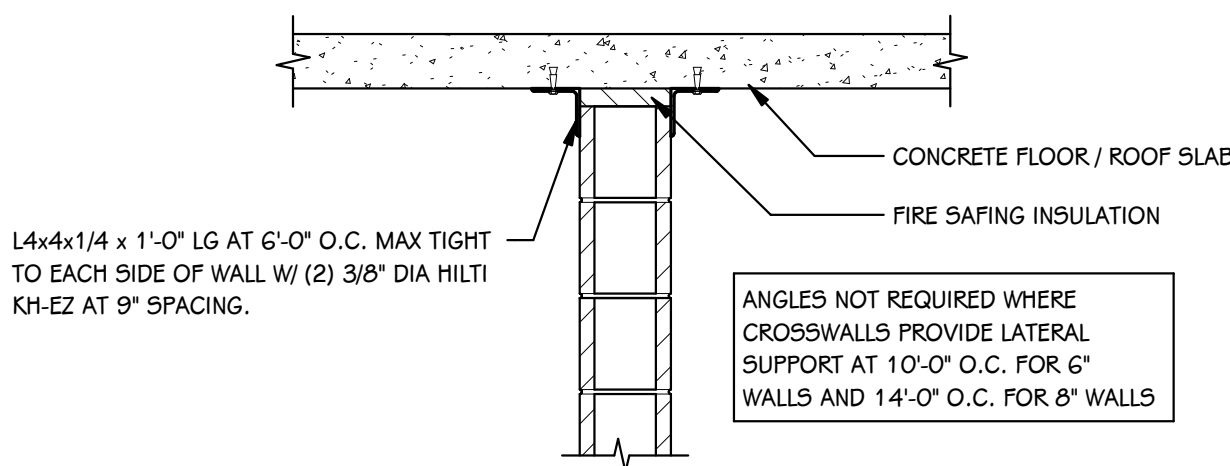


NOTES:

- IF DISTANCE BETWEEN EDGE OF OPENING AND RTU SUPPORT MEMBER IS LESS THAN 6", L3X3 ANGLE MAY BE ELIMINATED AND DECK FULLY REMOVED WITHIN THE PERIMETER OF THE SUPPORTING MEMBERS.
- COORDINATE LOCATION AND SIZE OF OPENINGS WITH APPROVED MECHANICAL SHOP DRAWINGS.
- ALL FRAMING LOCATED BELOW ROOF FRAMING IS TO BE PRIME PAINTED PER DIVISION 05 AND FINISH COAT PER DIVISION 09.

TYPICAL EQUIPMENT SUPPORT FRAME AT TECTUM DECK

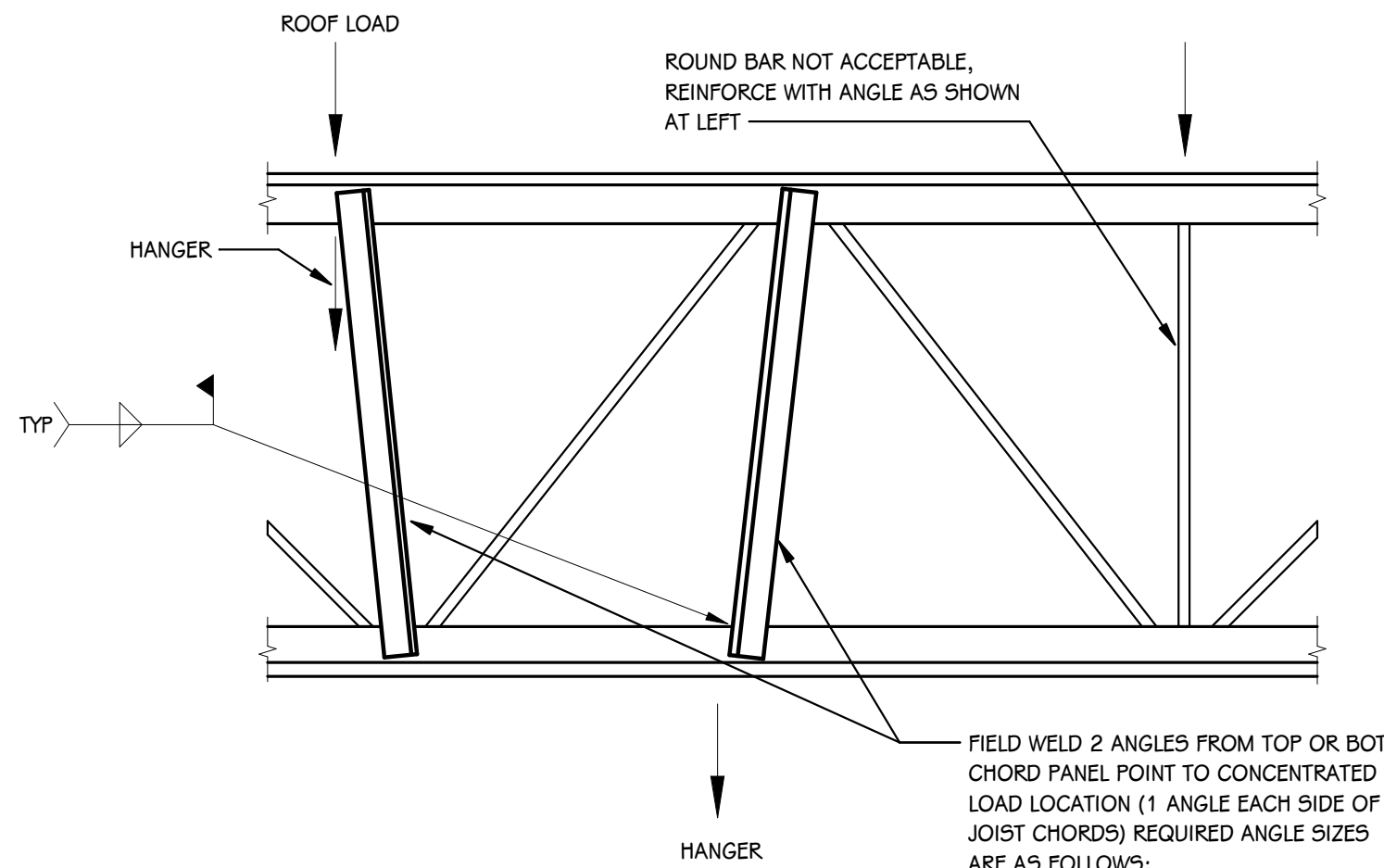
SCALE: NONE



WALL PERPENDICULAR TO JOIST/BEAM

TYPICAL TOP SUPPORT OF MASONRY WALL

SCALE: NONE

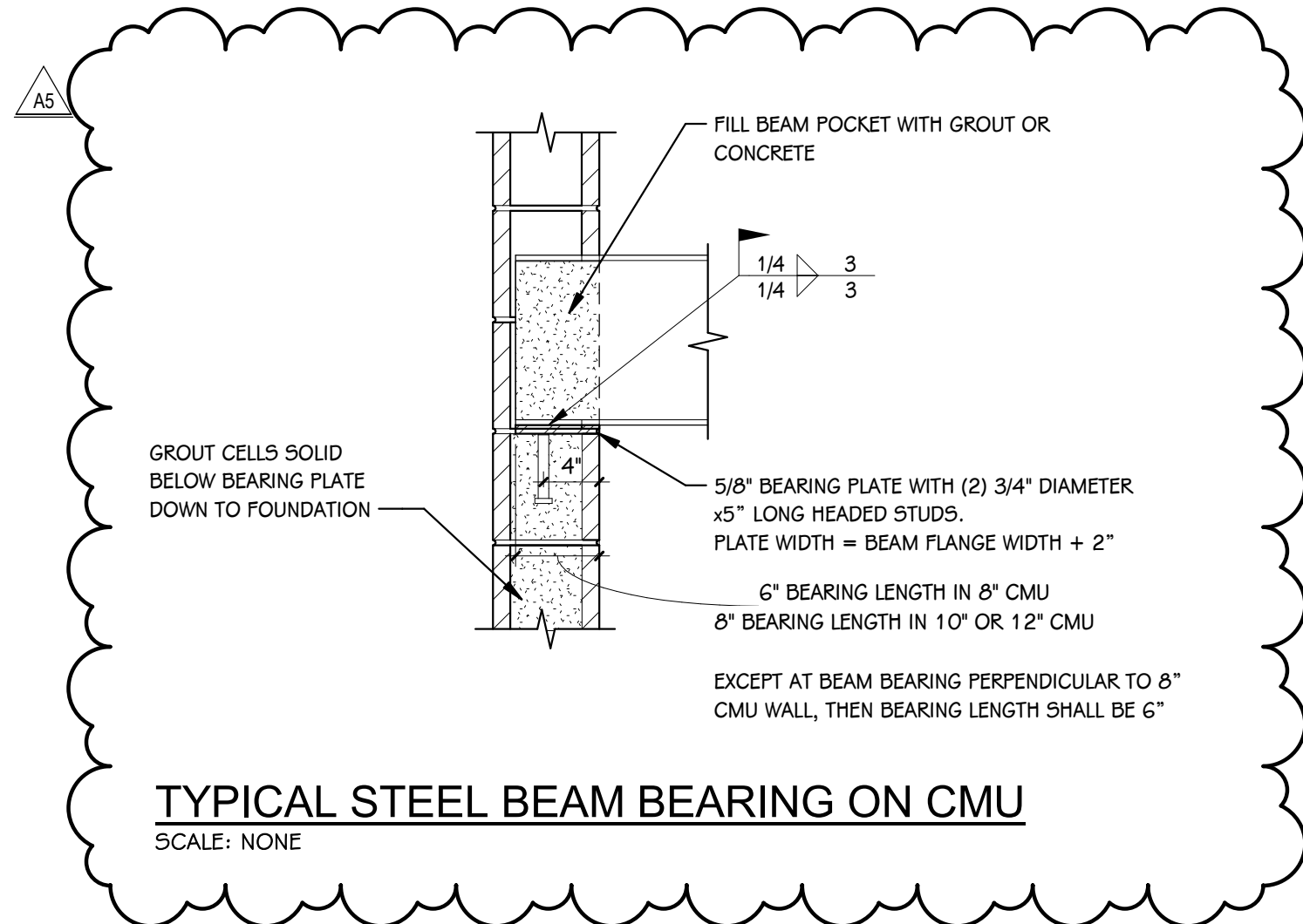


MODIFICATION IS TYP FOR ALL JOIST SUPPORTING LOAD FROM TOP OR BOTTOM CHORD BETWEEN PANEL POINT. VERIFY LOC & # OF LOADS WITH ARCH, MECH, PLUMB, ELEC DRAWINGS. ANGLES NOT REQD FOR CONCENTRATED LOADS LESS THAN 100 LBS.

FIELD WELD 2 ANGLES FROM TOP OR BOT CHORD PANEL POINT TO CONCENTRATED LOAD LOCATION (1 ANGLE EACH SIDE OF JOIST CHORDS) REQUIRED ANGLE SIZES ARE AS FOLLOWS:
JOIST DEPTH
8" TO 24" L1 1/2x1 1/2x3/16
26" TO 48" L2 2x3/16
52" TO 72" L3 3x1/4

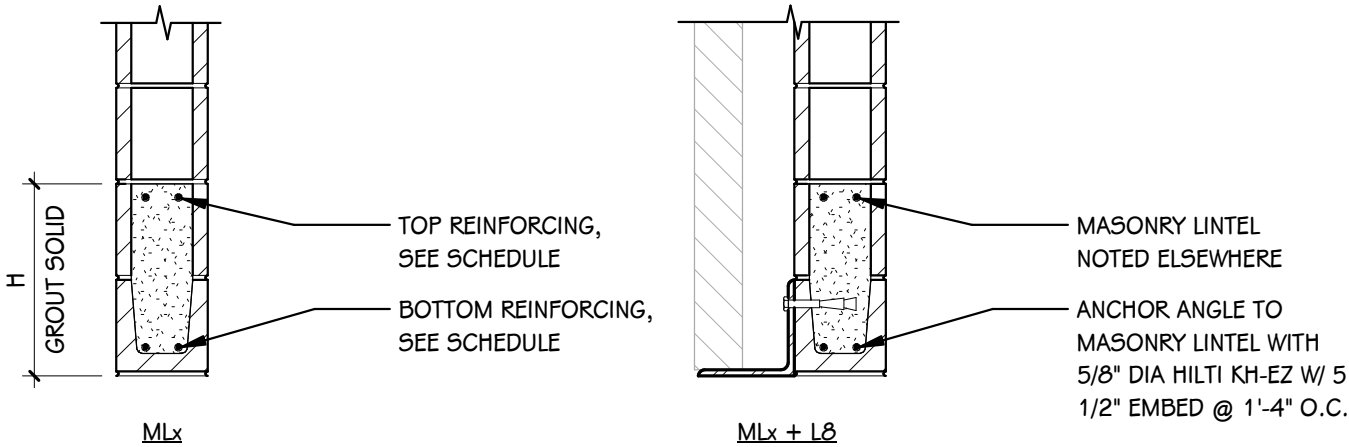
TYPICAL JOIST MODIFICATION AT CONCENTRATED LOADS

SCALE: NONE



TYPICAL STEEL BEAM BEARING ON CMU

SCALE: NONE



LINTEL TYPE	DEPTH 'H'	BOTTOM REINFORCING	TOP REINFORCING
ML1	8"	(2) #5	-
ML2	16"	(2) #5	-
ML3	24"	(2) #5	(2) #5
ML4	32"	(2) #5	(2) #5

NOTES:

- ALL OPENINGS WIDER THAN 8" IN MASONRY WALLS REQUIRE LINTELS. NOT ALL LINTELS ARE SHOWN ON PLANS. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS AND SIZES OF OPENINGS.
- EXTEND HORIZONTAL REINFORCING AND LINTEL GROUTING 1'-0" PAST EDGES OF OPENING.
- LINTEL COURSES SHALL BE GROUTED IN ONE SOLID LIFT.
- GROUT ALL CELLS SOLID BELOW LINTEL BEARING DOWN TO FOUNDATION.
- WHERE NO LINTEL DESIGNATION IS NOTED ON FRAMING PLANS WITHIN NEW MASONRY WALLS PROVIDE LINTELS AS FOLLOWS:
 - ML1 FOR OPENINGS LESS THAN OR EQUAL TO 3'-4" WIDE
 - ML2 FOR OPENINGS LESS THAN OR EQUAL TO 7'-4" WIDE
- 'L8' SHALL BE L8x8x1/2, ANCHOR STEEL ANGLE TO MASONRY LINTEL, 8" LINTEL BEARING REQUIRED EACH END.

MASONRY LINTEL SCHEDULE

SCALE: NONE

ADD. No. 5 DECEMBER 20, 2024
Addendum No. 2 November 5, 2024

ISSUED FOR DATE

PROJECT TITLE
LOY NORRIX HIGH SCHOOL MECHANICAL IMPROVEMENTS PROJECT

OWNER
KALAMAZOO PUBLIC SCHOOLS

Kalamazoo, Michigan

SHEET TITLE
TYPICAL DETAILS

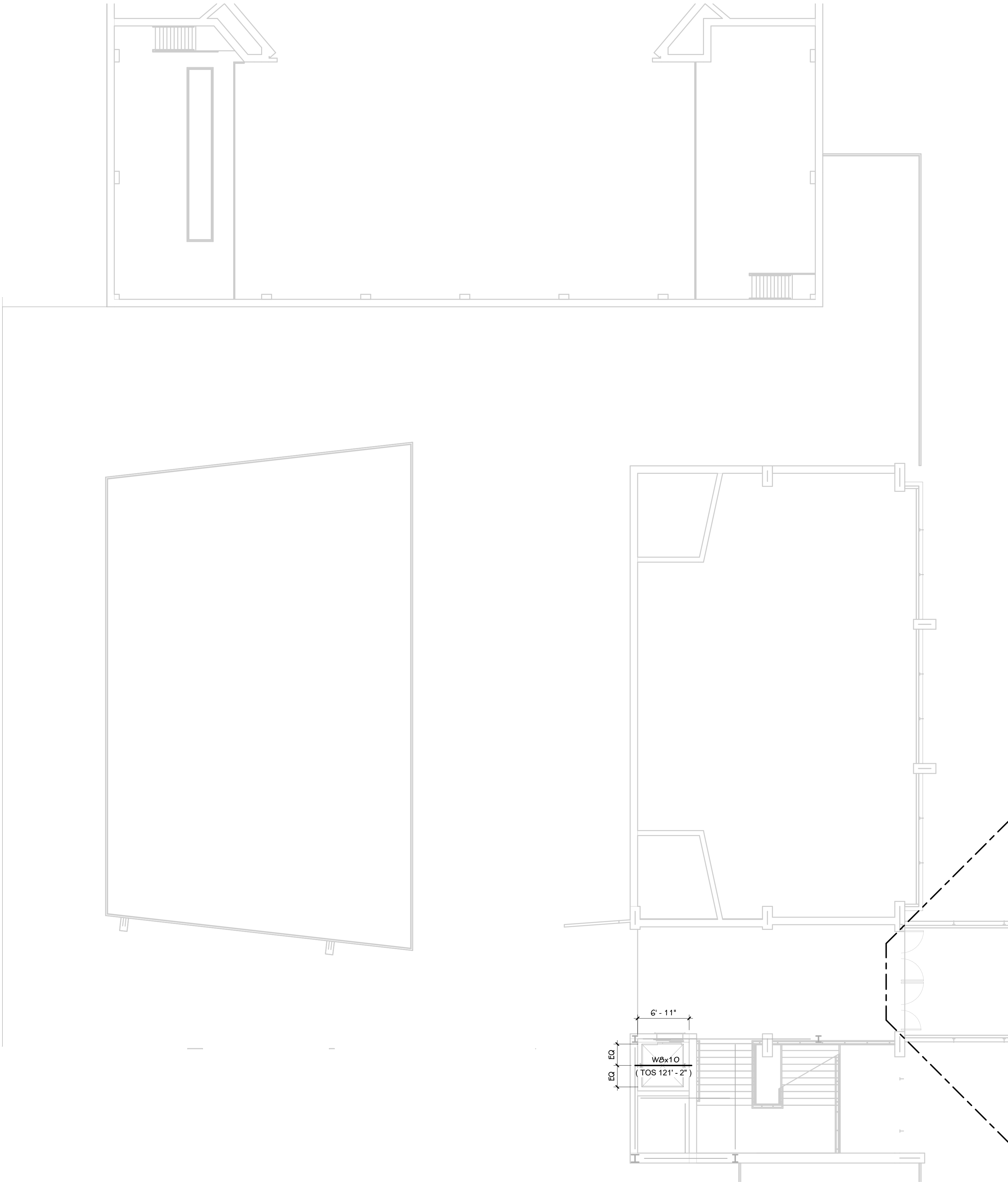
DATE
SEPTEMBER 16, 2024

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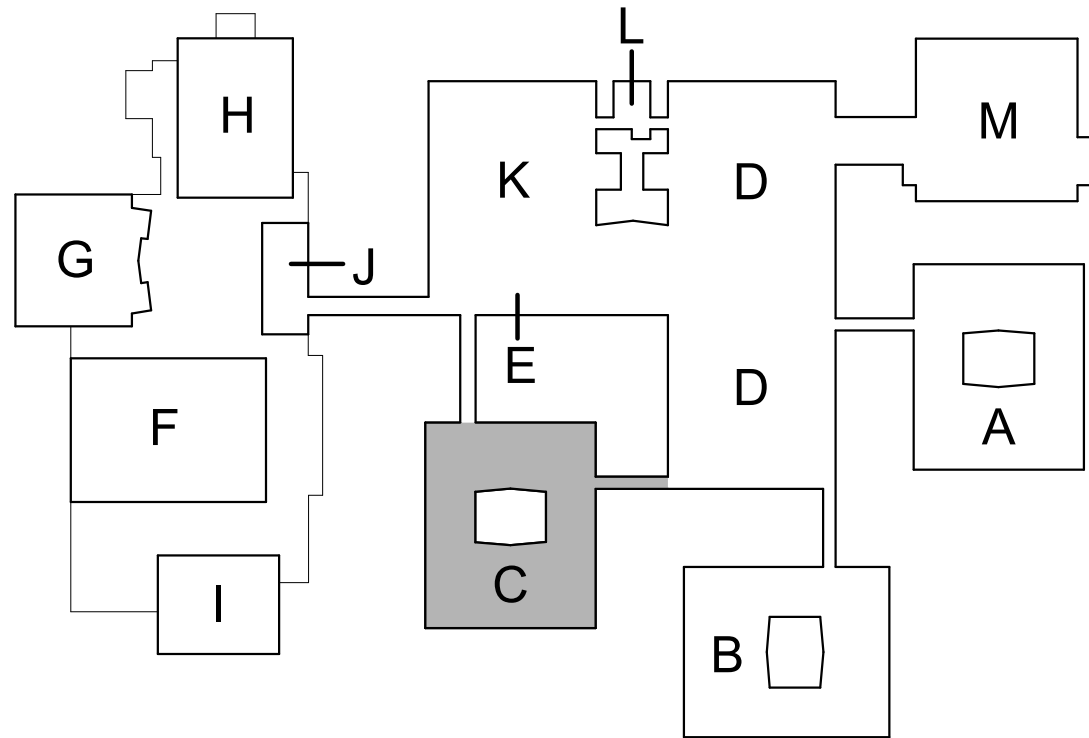
ROOF FRAMING PLAN - UNIT J

1/8" = 1'-0"

KEYED NOTES - FRAMING

- 1 PROVIDE CHANNELS BENEATH EACH MECHANICAL UNIT. REFER TO TYPICAL RTU SUPPORT DETAIL FOR MORE INFORMATION.
- 2 NEW JOISTS TO BE INSTALLED BETWEEN EXISTING. PROVIDE SPLICE IF REQUIRED FOR INSTALLATION. JOIST SUPPLIER TO DESIGN TOP CHORDS AS FULL UNBRACED BY METAL DECK.
- 3 PROVIDE SLOPED JOIST SEATS AS REQUIRED DUE TO SLOPED ROOF.
- 4 REMOVE CONCRETE SLAB BETWEEN CONCRETE JOISTS FOR MECHANICAL DUCT PENETRATIONS.
- 5 PROVIDE FRAMING BENEATH NEW MECHANICAL HOODS. REFER TO TYPICAL ROOF OPENING DETAIL FOR REQUIRED FRAMING.
- 6 AHU-M2 TO BE SUPPORTED FROM EXISTING HANGERS. VERIFY THAT A MINIMUM OF TWO BAR JOISTS ARE ENGAGED BY SUPPORT FRAMING.
- 7 REFER TO SECTIONS 4/5301 AND 5/5301 FOR ADDITIONAL STEEL REQUIRED FOR SLAB SUPPORT AT THIS PENETRATION.
- 8 PROVIDE L5 LINTEL AT 1ST FLOOR AND 2ND FLOOR DOOR OPENINGS

KEY PLAN



KEY PLAN

SCALE: NO SCALE

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PROJECT

OWNER
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Kalamazoo, Michigan

SHEET TITLE
ROOF FRAMING PLAN - UNIT J

DATE
SEPTEMBER 16, 2024

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SHEET NUMBER

S 202J

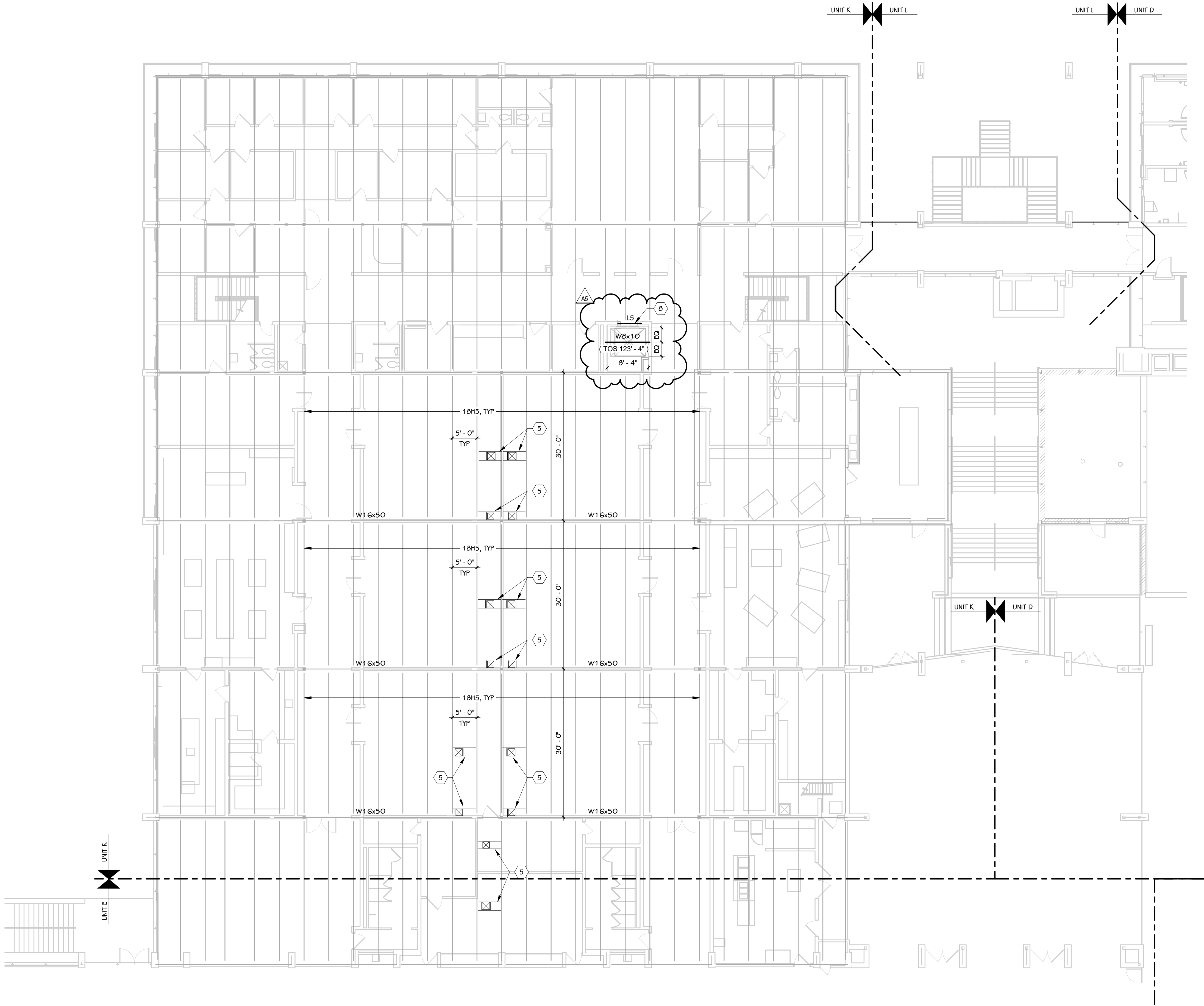
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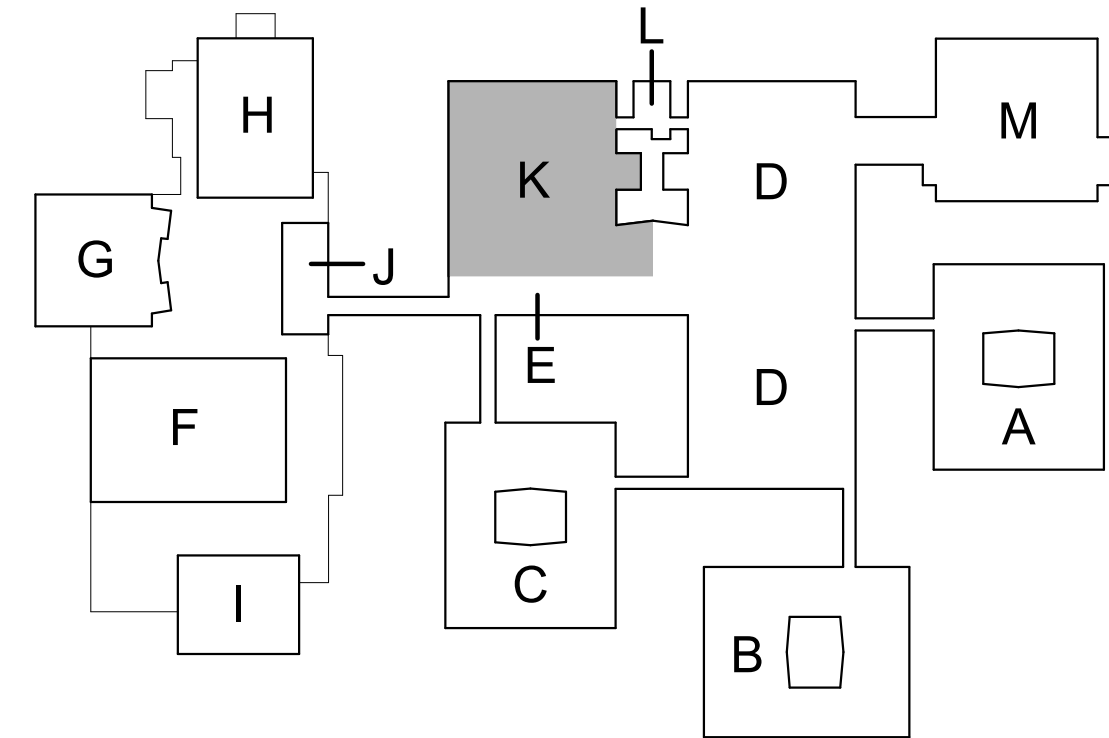


 **ROOF FRAMING PLAN - UNIT K**
3/32" = 1'-0"

KEYED NOTES - FRAMING

- 1 PROVIDE CHANNELS BENEATH EACH MECHANICAL UNIT. REFER TO TYPICAL RTU SUPPORT DETAIL FOR MORE INFORMATION.
- 2 NEW JOISTS TO BE INSTALLED BETWEEN EXISTING. PROVIDE SPLICE IF REQUIRED FOR INSTALLATION. JOIST SUPPLIER TO DESIGN TOP CHORDS AS FULL UNBRACED BY METAL DECK.
- 3 PROVIDE SLOPED JOIST SEATS AS REQUIRED DUE TO SLOPED ROOF.
- 4 REMOVE CONCRETE SLAB BETWEEN CONCRETE JOISTS FOR MECHANICAL DUCT PENETRATIONS.
- 5 PROVIDE FRAMING BENEATH NEW MECHANICAL HOODS. REFER TO TYPICAL ROOF OPENING DETAIL FOR REQUIRED FRAMING.
- 6 AHU-M2 TO BE SUPPORTED FROM EXISTING HANGERS. VERIFY THAT A MINIMUM OF TWO BAR JOISTS ARE ENGAGED BY SUPPORT FRAMING.
- 7 REFER TO SECTIONS 4/5301 AND 5/5301 FOR ADDITIONAL STEEL REQUIRED FOR SLAB SUPPORT AT THIS PENETRATION.
- 8 PROVIDE L5 LINTEL AT 1ST FLOOR AND 2ND FLOOR DOOR OPENINGS

KEY PLAN



KEY PLAN
SCALE: NO SCALE

SHEET TITLE
ROOF FRAMING PLAN - UNIT K

PROJECT TITLE
LOY NORRIS HIGH SCHOOL MECHANICAL IMPROVEMENTS PROJECT

OWNER
KALAMAZOO PUBLIC SCHOOLS

Kalamazoo, Michigan

DATE
SEPTEMBER 16, 2024

SHEET NUMBER
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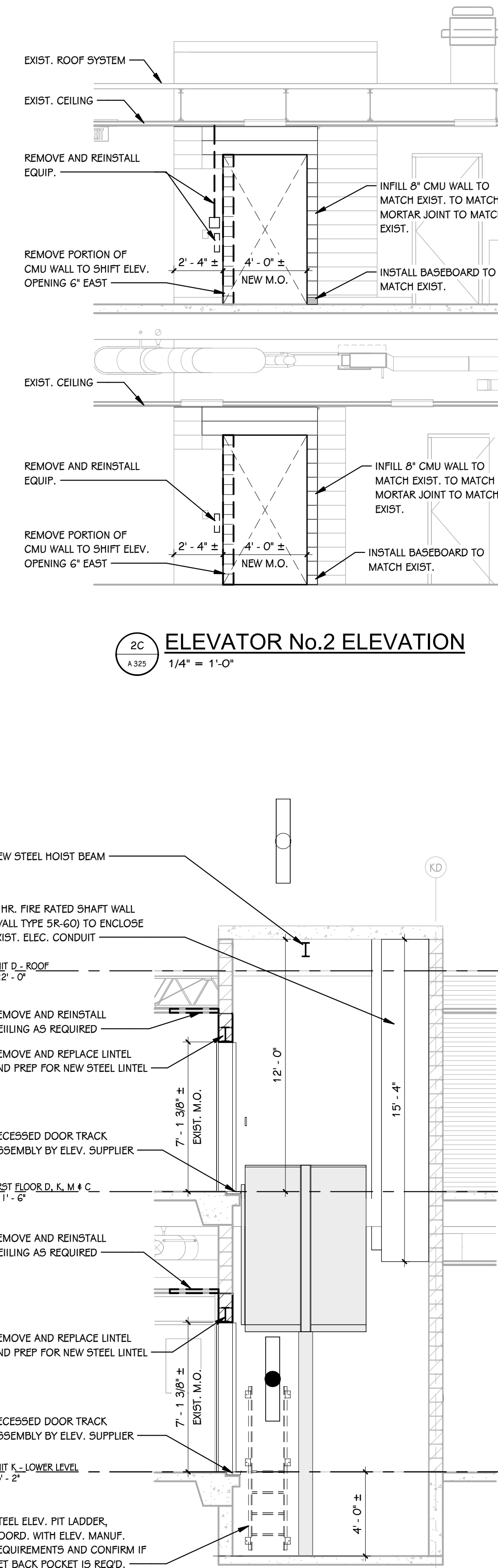
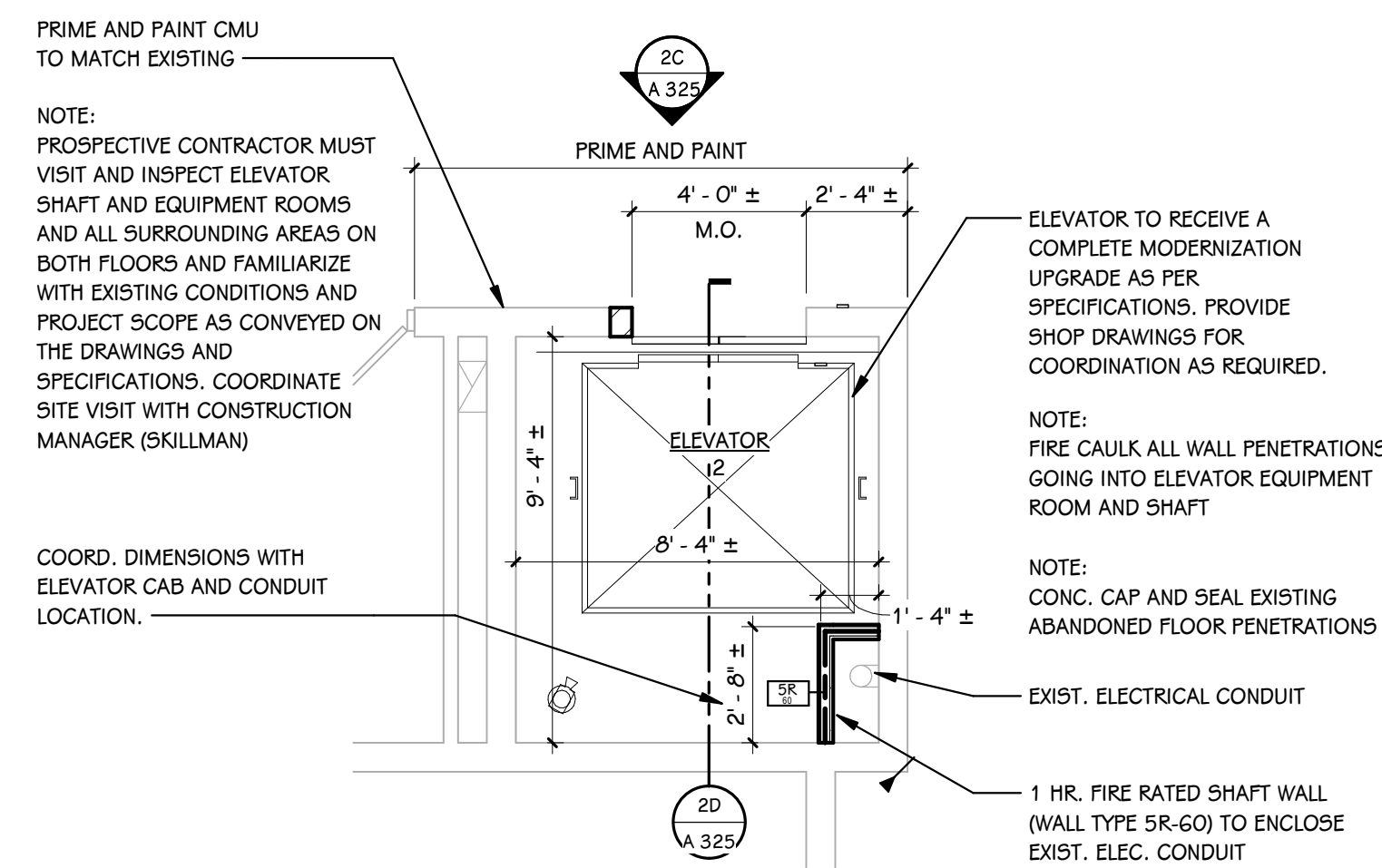
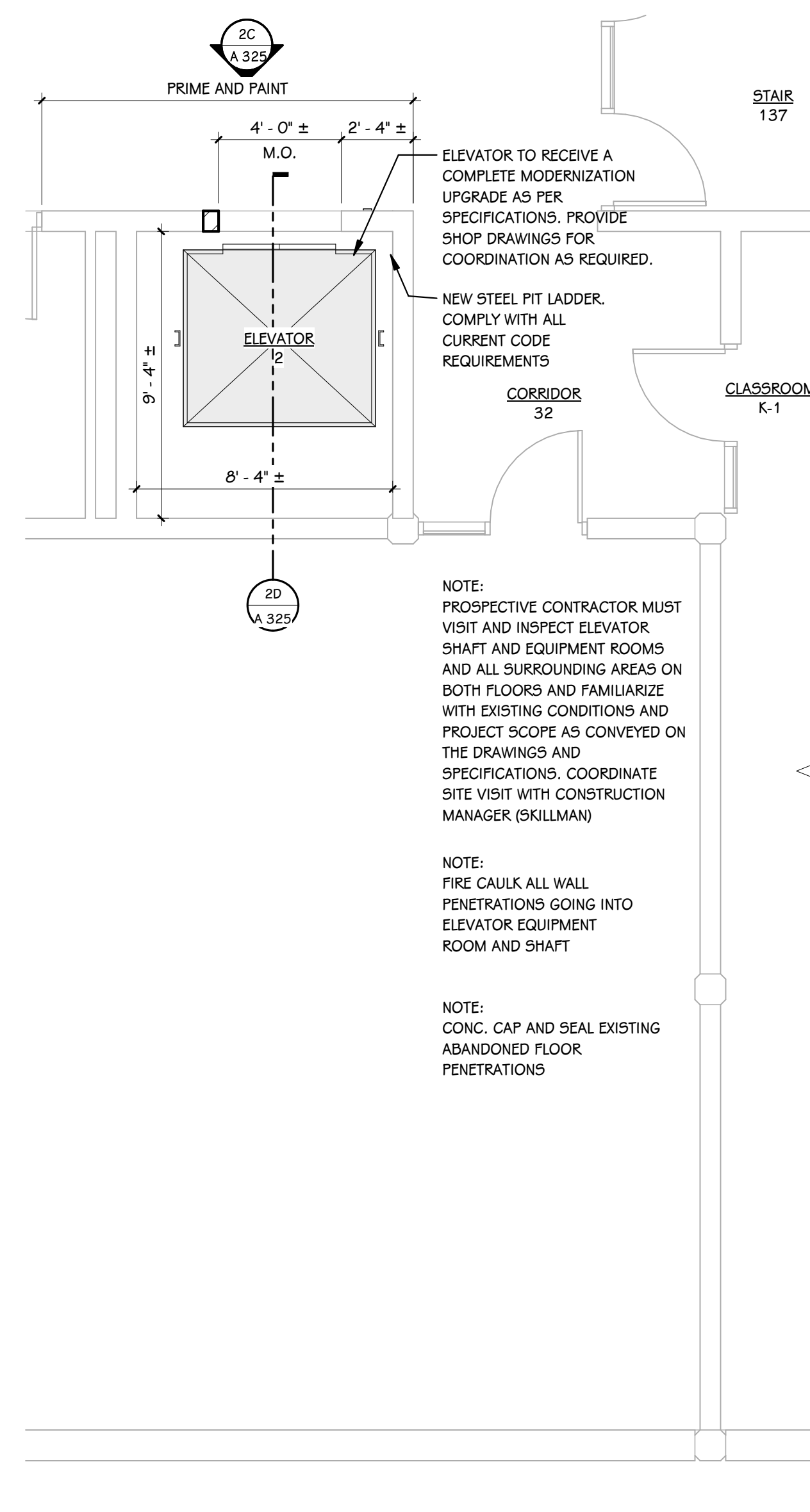
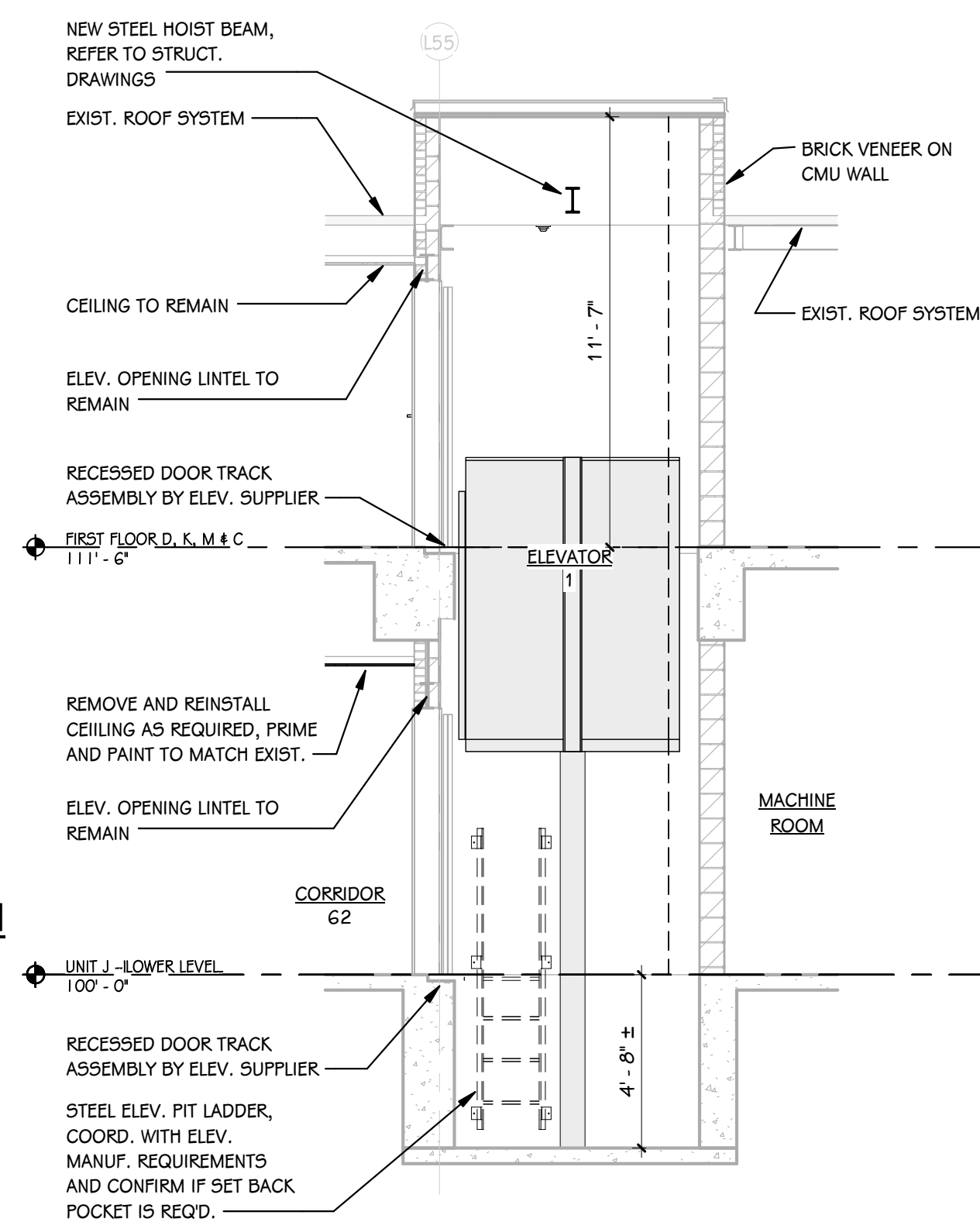
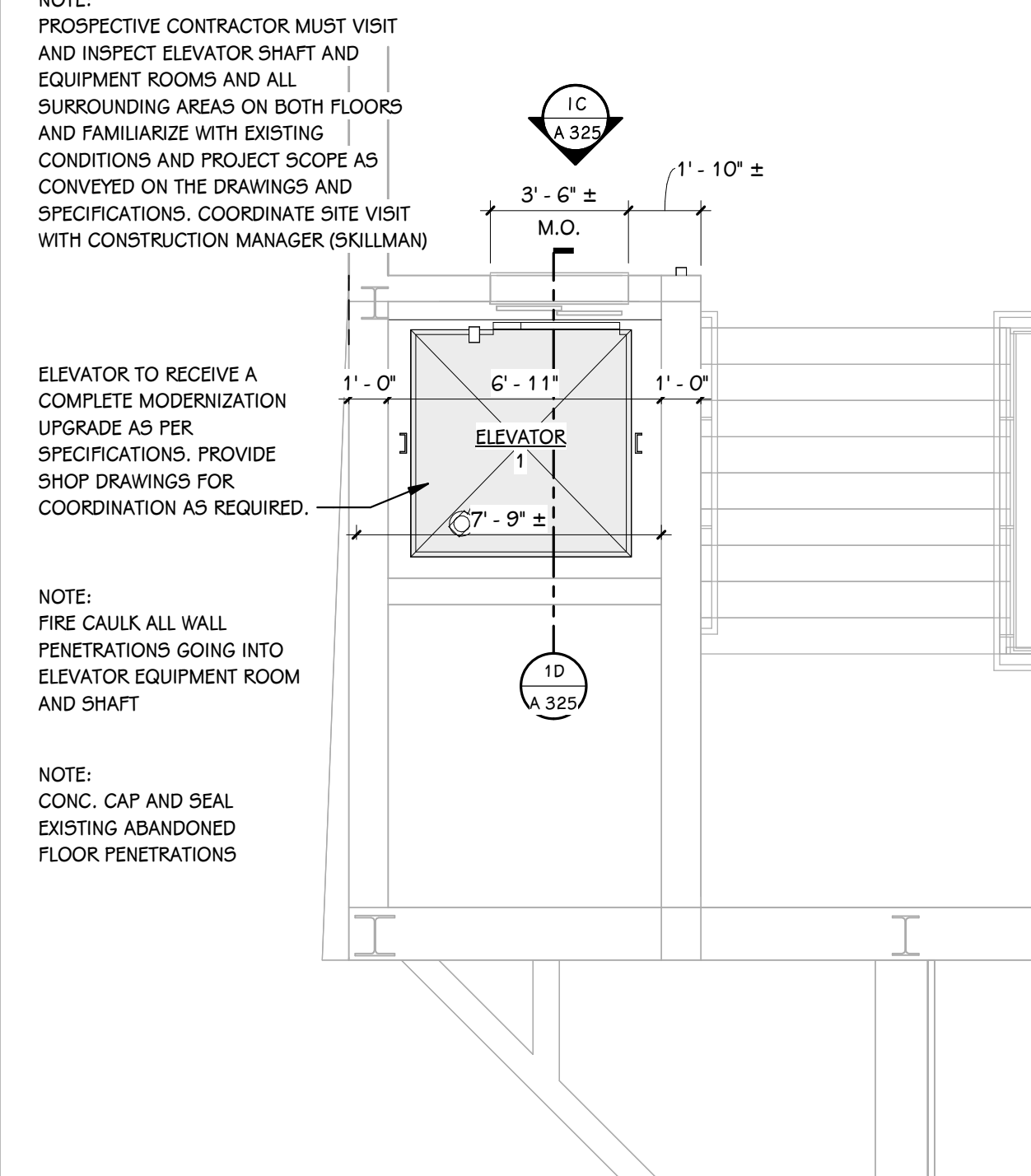
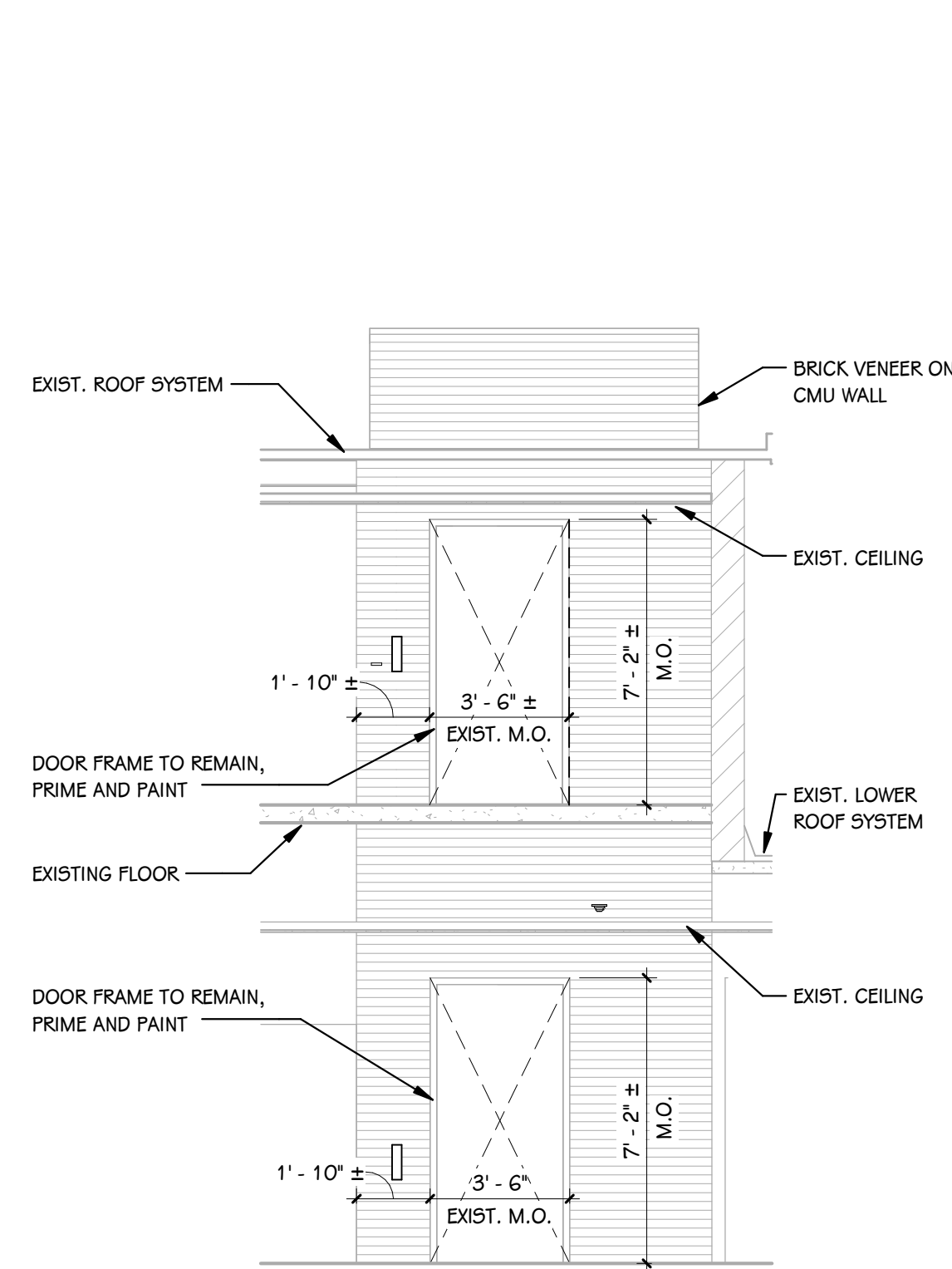
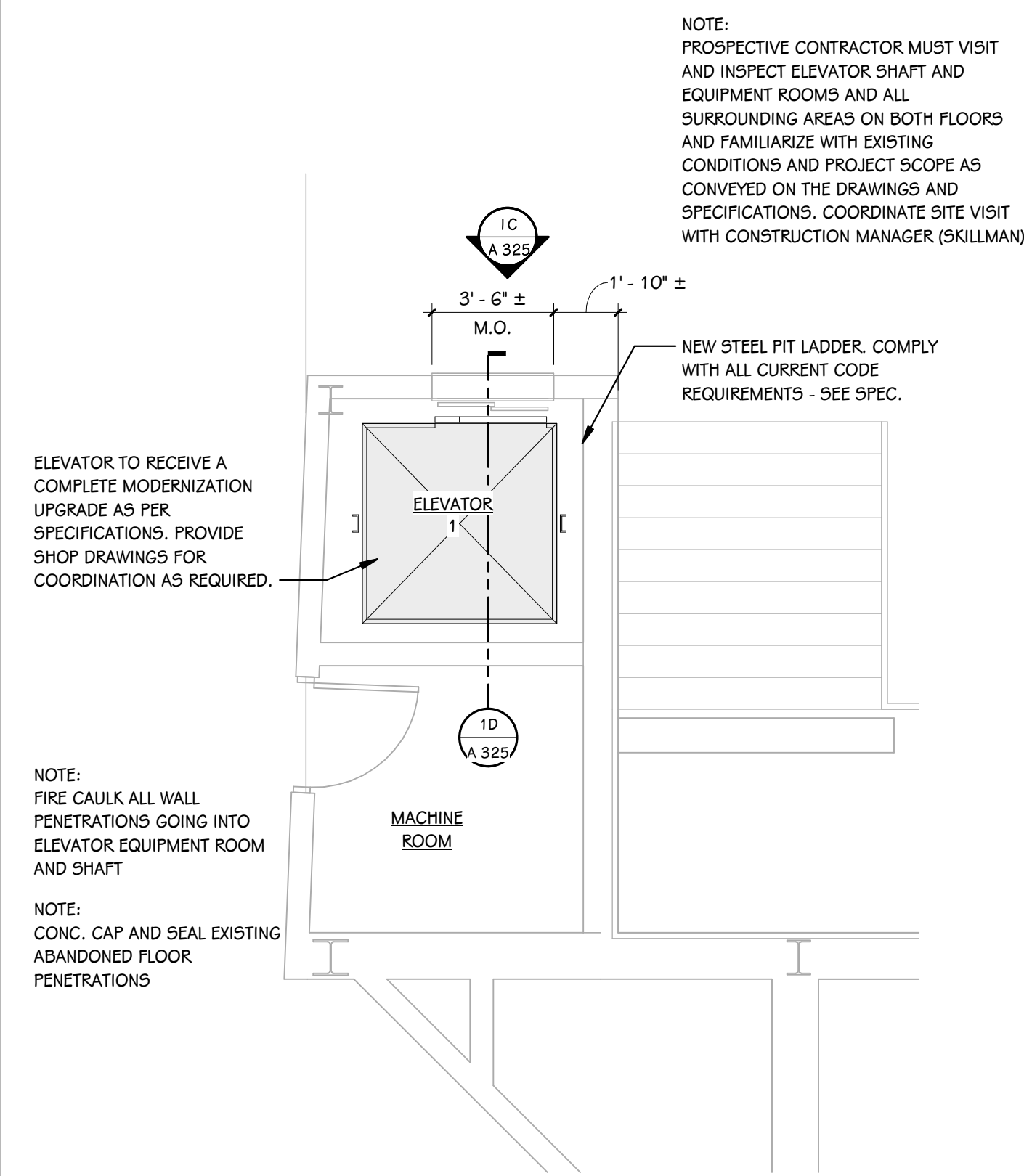
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PROJECT

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SCHOOLS

Kalamazoo, Michigan

SHEET TITLE
ELEVATOR MODERNIZATION PLANS AND
DETAILS

DATE
DECEMBER 9, 2024

SHEET NUMBER
A 325
21-807 07



P-1 (ELEVATOR NO.1 - FIRST FLOOR)

NOTE:
ELEVATOR NO.1 TO RECEIVE A
COMPLETE MODERNIZATION
UPGRADE AS PER SPECIFICATIONS

REMOVE ELEVATOR IN ITS
ENTIRETY AND PREPARE FOR NEW
MASONRY OPENING, REFER TO
SHEET A325. DOOR FRAMES TO
REMAIN. DOOR FRAMES TO BE
PRIMED AND PAINTED.

NEW DOOR RAILS AND DOOR SILL.

MODIFY TILE IF NEEDED. PATCH TO
MATCH EXISTING.



P-2 (ELEVATOR NO.1 - FIRST FLOOR)

REMOVE AND SALVAGE CEILING
TILE AS REQUIRED, CEILING TO
BE REINSTALLED

DOOR FRAMES TO REMAIN.
DOOR FRAMES TO BE
PRIMED AND PAINTED.

PATCH AND REPAIR TILE
FLOORING TO MATCH
EXIST. IF NEEDED.



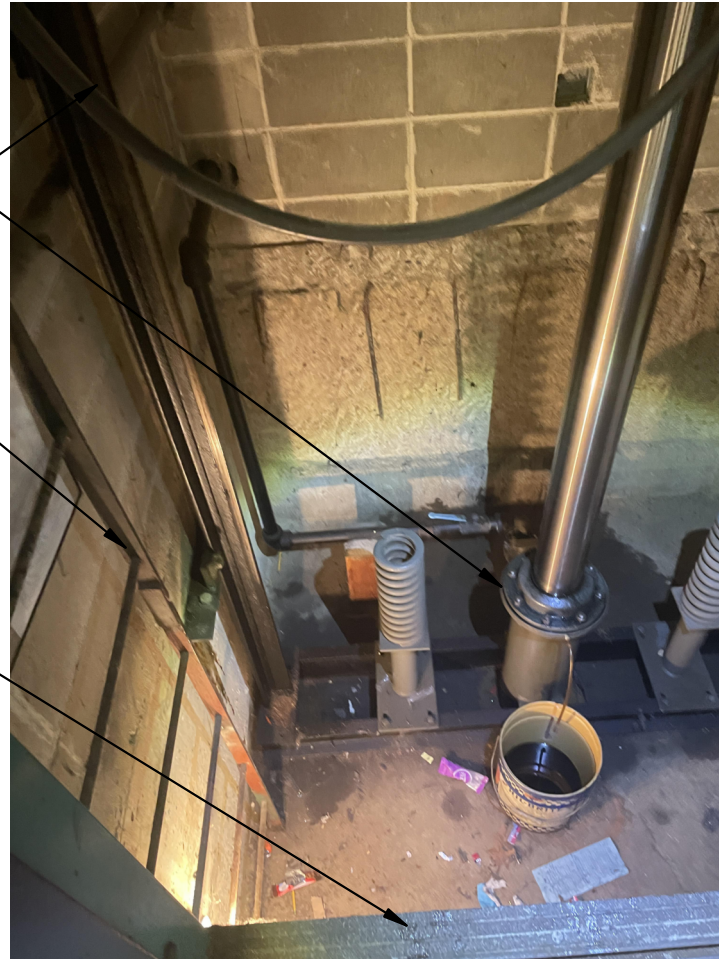
P-3 (ELEVATOR NO.1 - FIRST FLOOR)

REMOVE ELEVATOR IN ITS
ENTIRETY AND PREPARE FOR NEW
MASONRY OPENING, REFER TO
SHEET A325

REMOVE PIT LADDER AND PREP
FOR NEW, COORD. WITH NEW
CONSTRUCTION

PREP. FOR NEW DOOR TRACK BY
ELEV. SUPPLIER

NEW DOOR RAILS AND DOOR SILL.



P-4 (ELEVATOR NO.1 - FIRST FLOOR)



P-5 (ELEVATOR NO.1 - SECOND FLOOR)

REMOVE EXISTING CEILING AS
REQUIRED AND INSTALL NEW TO
MATCH EXISTING.

REMOVE ELEVATOR IN ITS
ENTIRETY AND PREPARE FOR NEW
MASONRY OPENING, REFER TO
SHEET A325

DOOR FRAMES TO REMAIN. DOOR
FRAMES TO BE PRIMED AND
PAINTED.



P-6 (ELEVATOR NO.1 - SECOND FLOOR)

ROOF DECK TO REMAIN

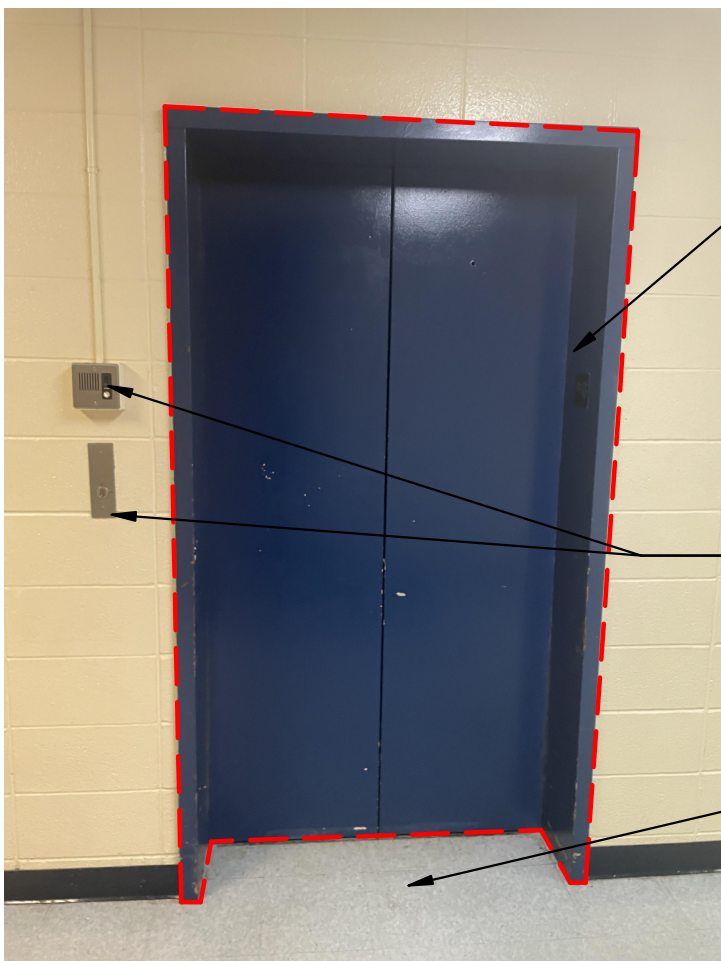
REMOVE ELEVATOR IN ITS
ENTIRETY AND PREPARE FOR
NEW MASONRY OPENING,
REFER TO SHEET A325

DOOR FRAMES TO REMAIN.
DOOR FRAMES TO BE PRIMED
AND PAINTED.

PATCH AND REPAIR TILE
FLOORING TO MATCH EXIST.
FOLLOWING NEW ELEVATOR
INSTALLATION



P-7 (ELEVATOR NO.1 - SECOND FLOOR)



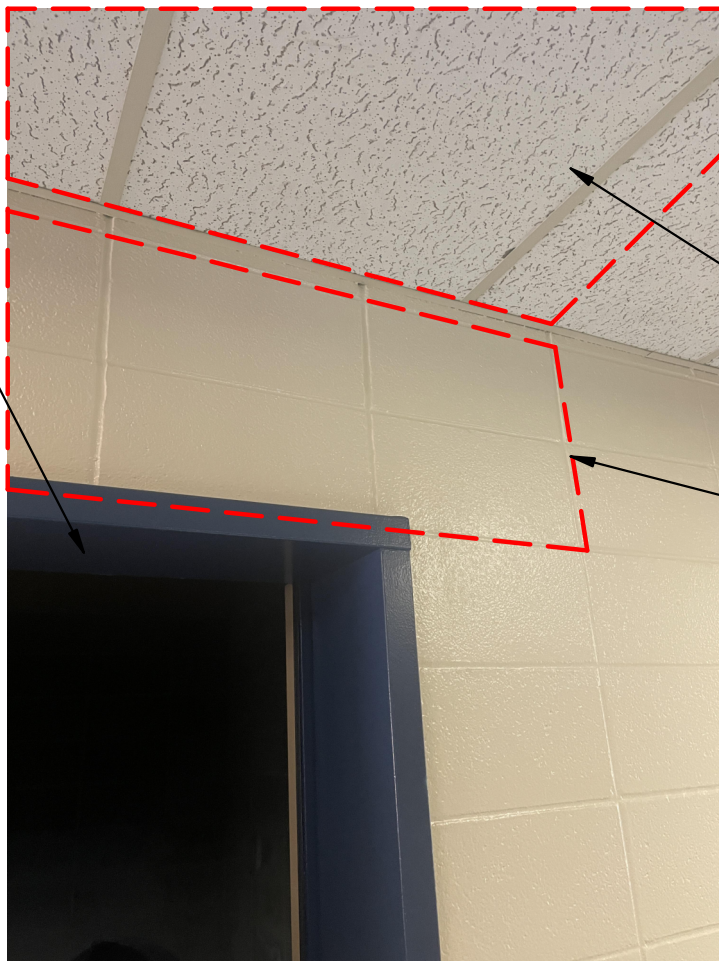
P-8 (ELEVATOR NO.2)

NOTE:
ELEVATOR NO.2 TO RECEIVE A
COMPLETE MODERNIZATION
UPGRADE AS PER SPECIFICATIONS

REMOVE ELEVATOR IN ITS
ENTIRETY AND PREPARE FOR NEW
MASONRY OPENING, REFER TO
SHEET A325

REMOVE AND RESINSTALL WALL
MOUNTED EQUIPMENT, COORD.
WITH NEW MASONRY OPENING

PATCH AND REPAIR V.C.T.
FLOORING TO MATCH EXIST.
FOLLOWING ELEVATOR
INSTALLATION



P-9 (ELEVATOR NO.2)

REMOVE AND SALVAGE CEILING
TILE AS REQUIRED, CEILING TO
BE REINSTALL

REMOVE PORTION OF CMU
WALL AS REQUIRED TO ALLOW
FOR NEW STEEL LINTEL AND
PLATE INSTALLATION OVER NEW
ELEVATOR OPENING

REMOVE AND SALVAGE
BASEBOARD AS REQUIRED,
BASEBOARD TO BE REINSTALL

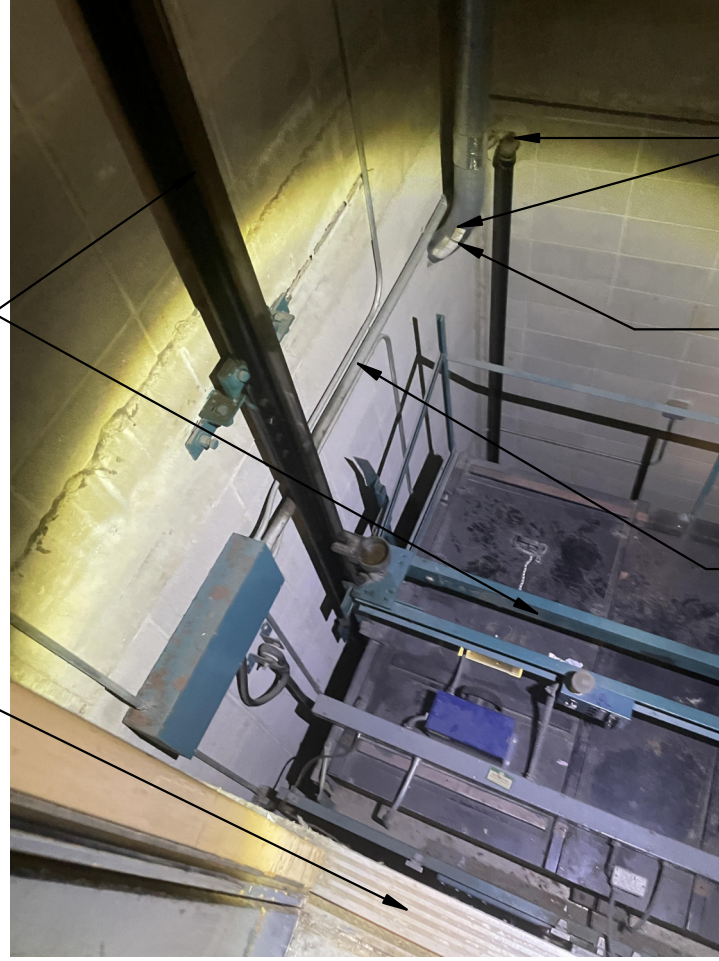


P-10 (ELEVATOR NO.2)

REMOVE ELEVATOR IN ITS
ENTIRETY AND PREPARE FOR NEW
MASONRY OPENING, REFER TO
SHEET A325

PREP. FOR NEW DOOR TRACK BY
ELEV. SUPPLIER

PATCH AND REPAIR V.C.T.
FLOORING TO MATCH EXIST.
FOLLOWING NEW ELEVATOR
INSTALLATION



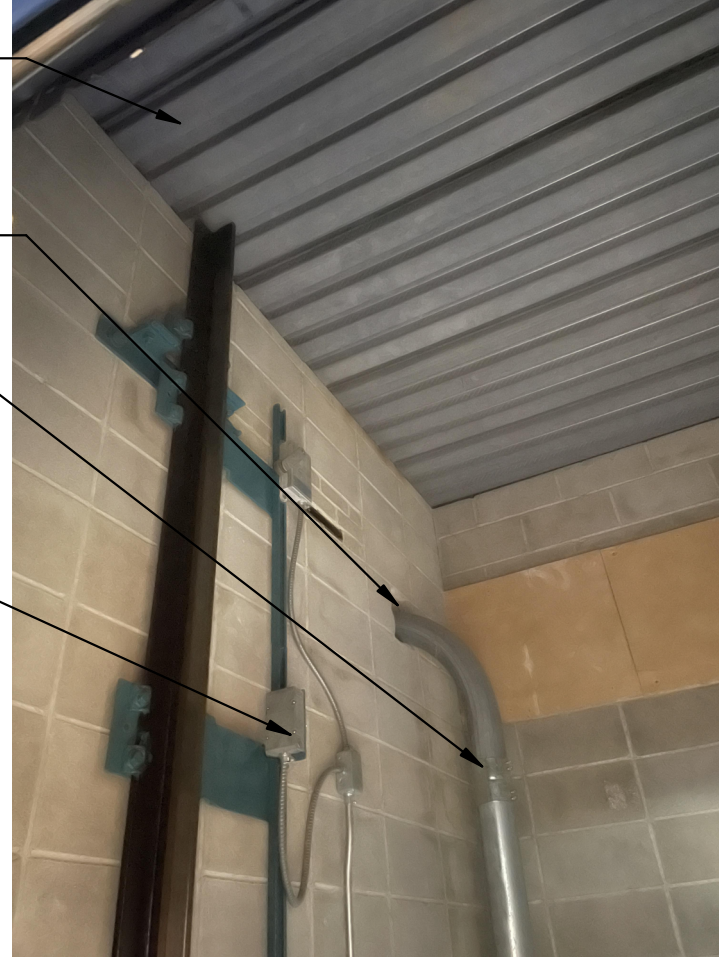
P-11 (ELEVATOR NO.2)

METAL ROOF DECK TO REMAIN

FIRE CAULK ALL WALL
PENETRATIONS GOING INTO
ELEVATOR EQUIPMENT ROOM AND
SHAFT, TYP.

INSTALL 1 HOUR SHAFT WALL
AROUND ENTIRE EXIST. ELECTRICAL
CONDUIT, REFER TO PLANS

REFER TO ELECTRICAL DRAWINGS
FOR FULL ELECTRICAL SCOPE



P-12 (ELEVATOR NO.2)



P-13 (ELEVATOR NO.2 - MACHINE ROOM)

SHEET TITLE
ELEVATOR MODERNIZATION PICTURES

OWNER
KALAMAZOO PUBLIC
SCHOOLS

PROJECT TITLE
LOY NORRIS HIGH
SCHOOL MECHANICAL
IMPROVEMENTS
PROJECT

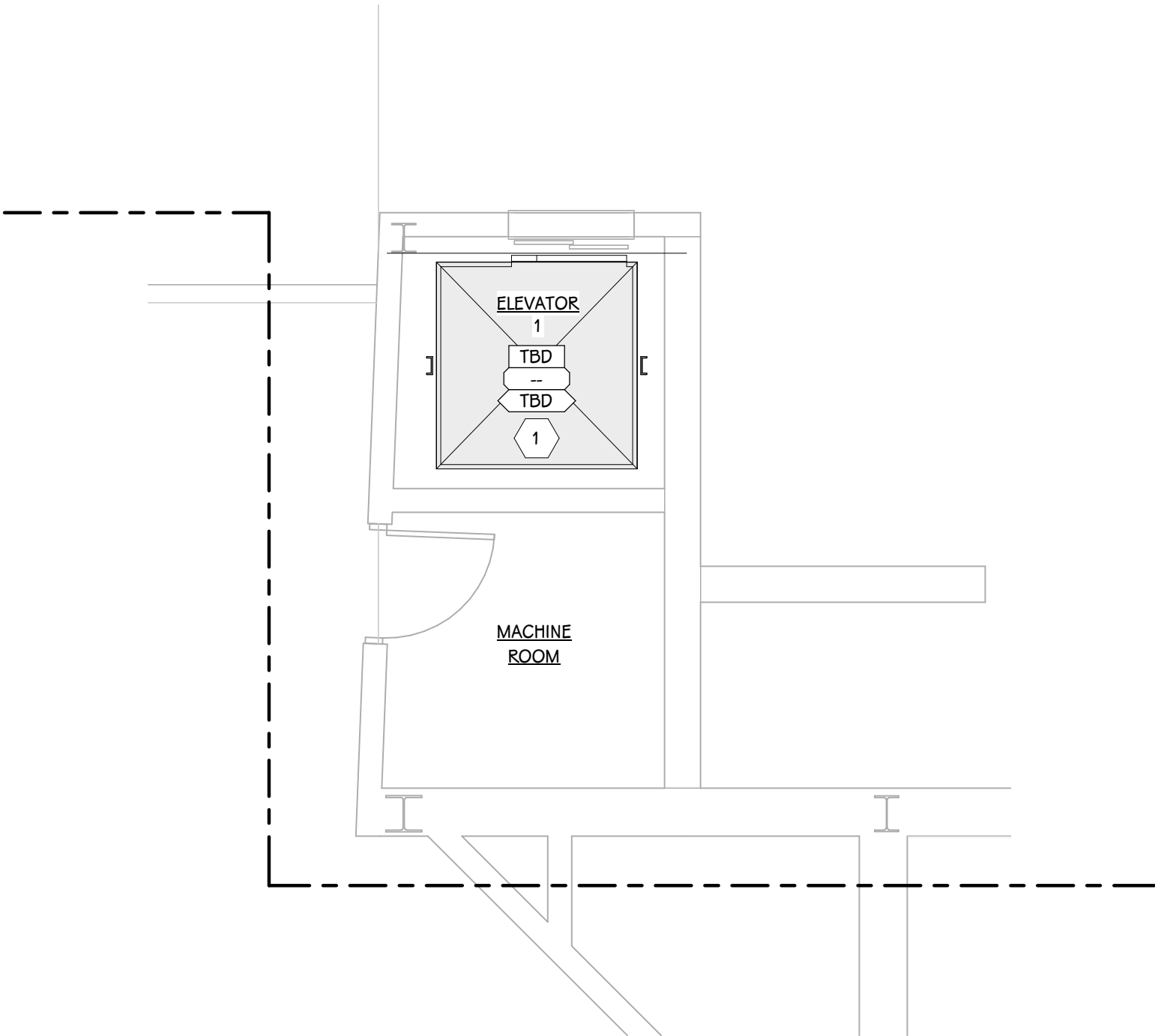
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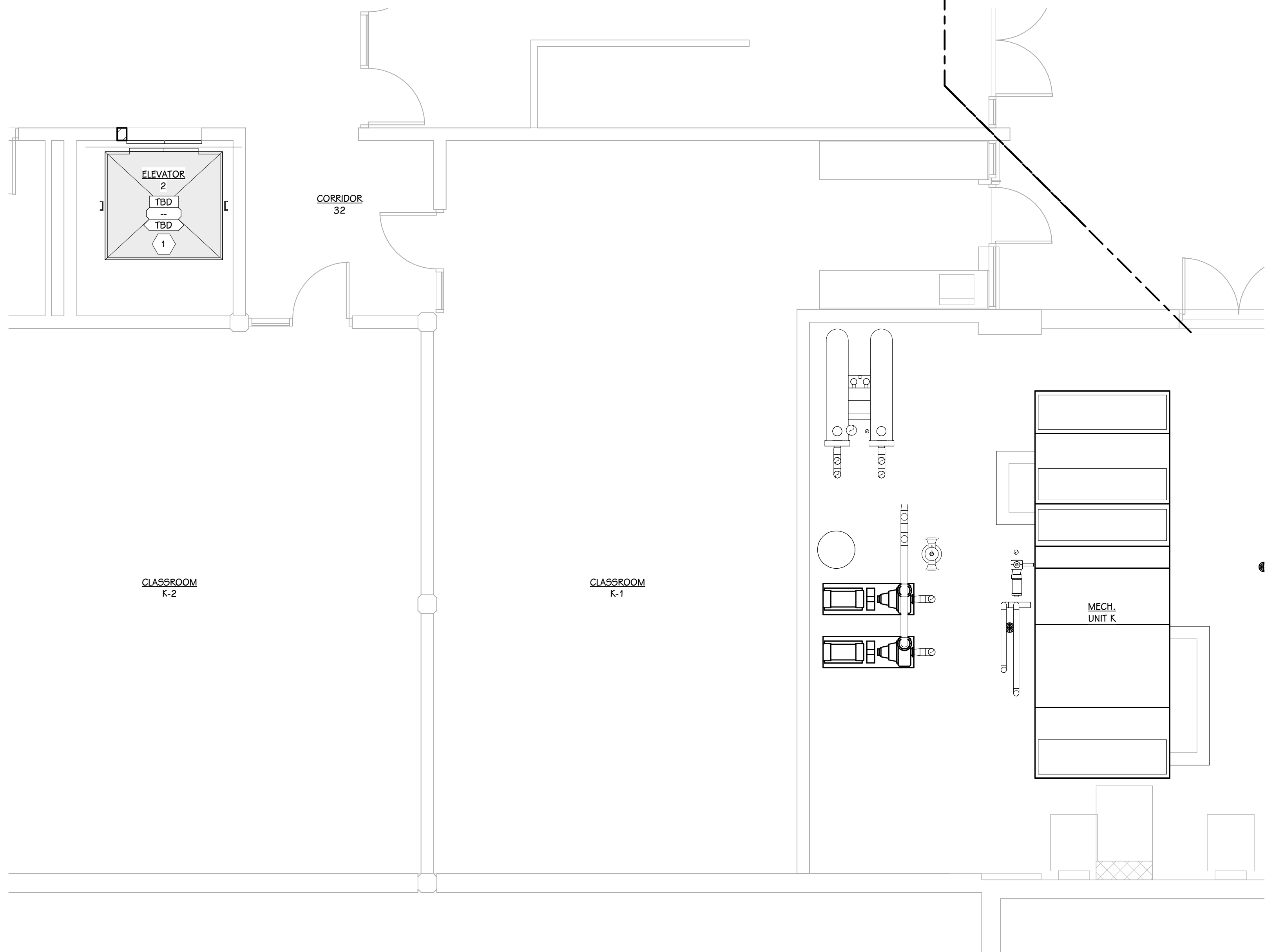
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SHEET NUMBER
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1
1401
ELEVATOR NO.1 ENLARGED PLAN
1/4" = 1'-0"



2
1401
ELEVATOR NO.2 ENLARGED PLAN
1/4" = 1'-0"

KEYED NOTES - FINISH PLAN

1 FINISHES TO BE SELECTED BY OWNER

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PROJECT

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SHEET TITLE
ENLARGED ELEVATOR PLANS

DATE
DECEMBER 16, 2024

SHEET NUMBER

1401

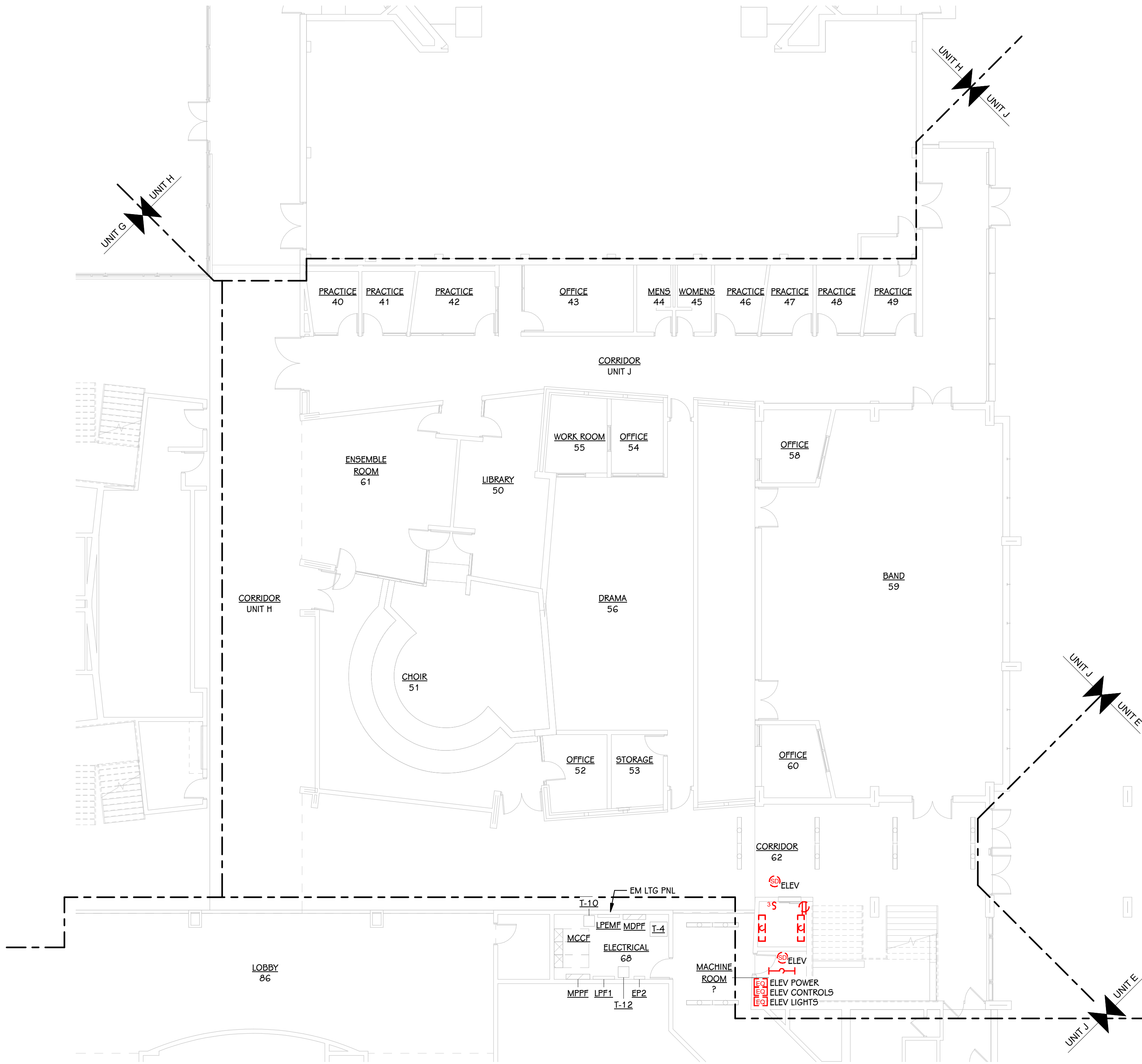
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LOWER LEVEL ELECTRICAL DEMOLITION PLAN - UNIT J

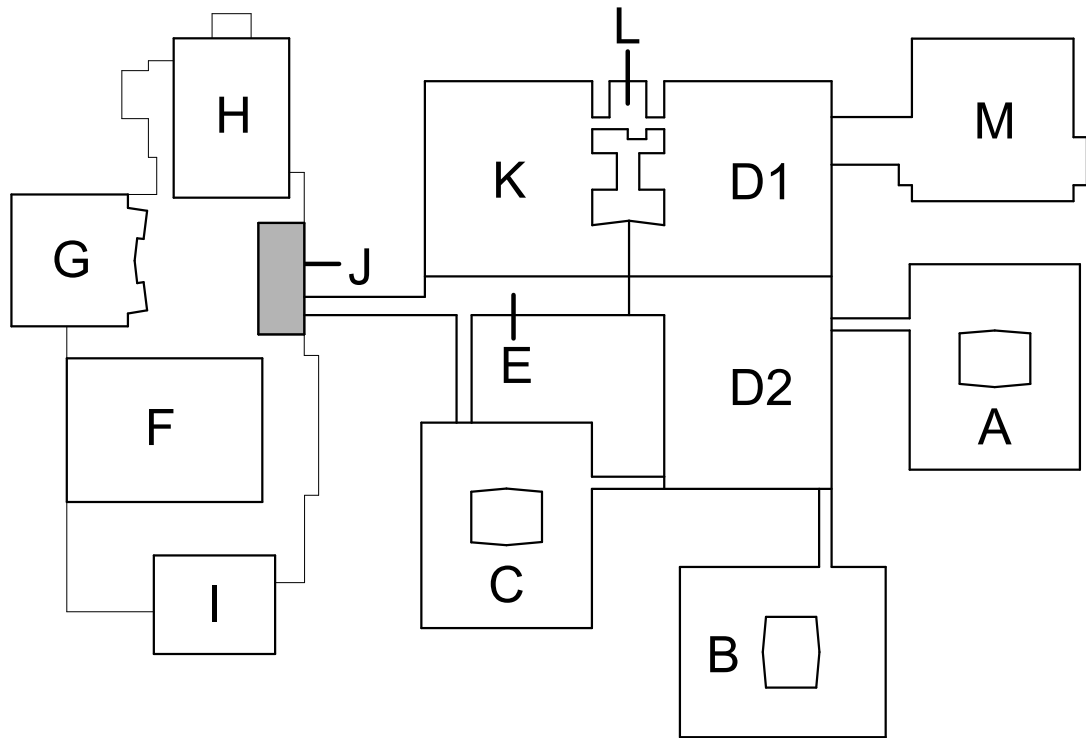
3/32" = 1'-0"

ELECTRICAL DEMOLITION KEYED NOTES

1. PROVIDE TEMPORARY SUPPORT FOR EXISTING LIGHT FIXTURES WITH THE SPACE. REUSE EXISTING LIGHT FIXTURES IN SAME LOCATION WITHIN SPACE. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION.
2. REMOVE THE ELECTRICAL CONNECTION TO MECHANICAL EQUIPMENT AND ALL ASSOCIATED WIRE AND CONDUIT BACK TO NEAREST JUNCTION BOX. RETAIN CIRCUIT FOR REUSE.
3. REMOVE THE ELECTRICAL CONNECTION TO MECHANICAL EQUIPMENT AND ALL ASSOCIATED WIRE AND CONDUIT BACK TO SOURCE.
4. REMOVE THE ELECTRICAL CONNECTION TO ACCU AND ALL WIRE BACK TO SOURCE. RETAIN CONDUIT FOR NEW CIRCUIT. REPLACE BREAKERS IN PANELS LPB2 AND LPC3 AS SHOWN IN NEW PANEL SCHEDULE.
5. REMOVE CONNECTION TO BI-POLAR IONIZATION. COORDINATE WITH MECHANICAL AS REQUIRED TO INSTALL EXISTING BI-POLAR IONIZATION IN NEW EQUIPMENT. EXTEND AND REWORK AS REQUIRED FOR A COMPLETE INSTALLATION.
6. TEMPORARILY SUPPORT EXISTING FIRE ALARM DEVICE TO REMAIN. REINSTALL IN NEW CEILING. REWORK AND EXTEND EXISTING CIRCUIT AS REQUIRED.
7. REMOVE ALL ELECTRICAL CONNECTIONS TO ABANDONED TV AND AV EQUIPMENT INCLUDING ALL ASSOCIATED CONDUIT AND WIRE BACK TO SOURCE.

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LEVEL 1 - KEY PLAN



KEY PLAN
SCALE: NO SCALE

BULLETIN NO. 1 December 16, 2024

ISSUED FOR DATE

PROJECT TITLE
LOY NORRIS HIGH SCHOOL MECHANICAL IMPROVEMENTS PROJECT

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KALAMAZOO PUBLIC SCHOOLS

Kalamazoo, Michigan

SHEET TITLE
LOWER LEVEL ELECTRICAL DEMOLITION PLAN - UNIT J

DATE
SEPTEMBER 16, 2024

SHEET NUMBER
ED 100J
21-807.00



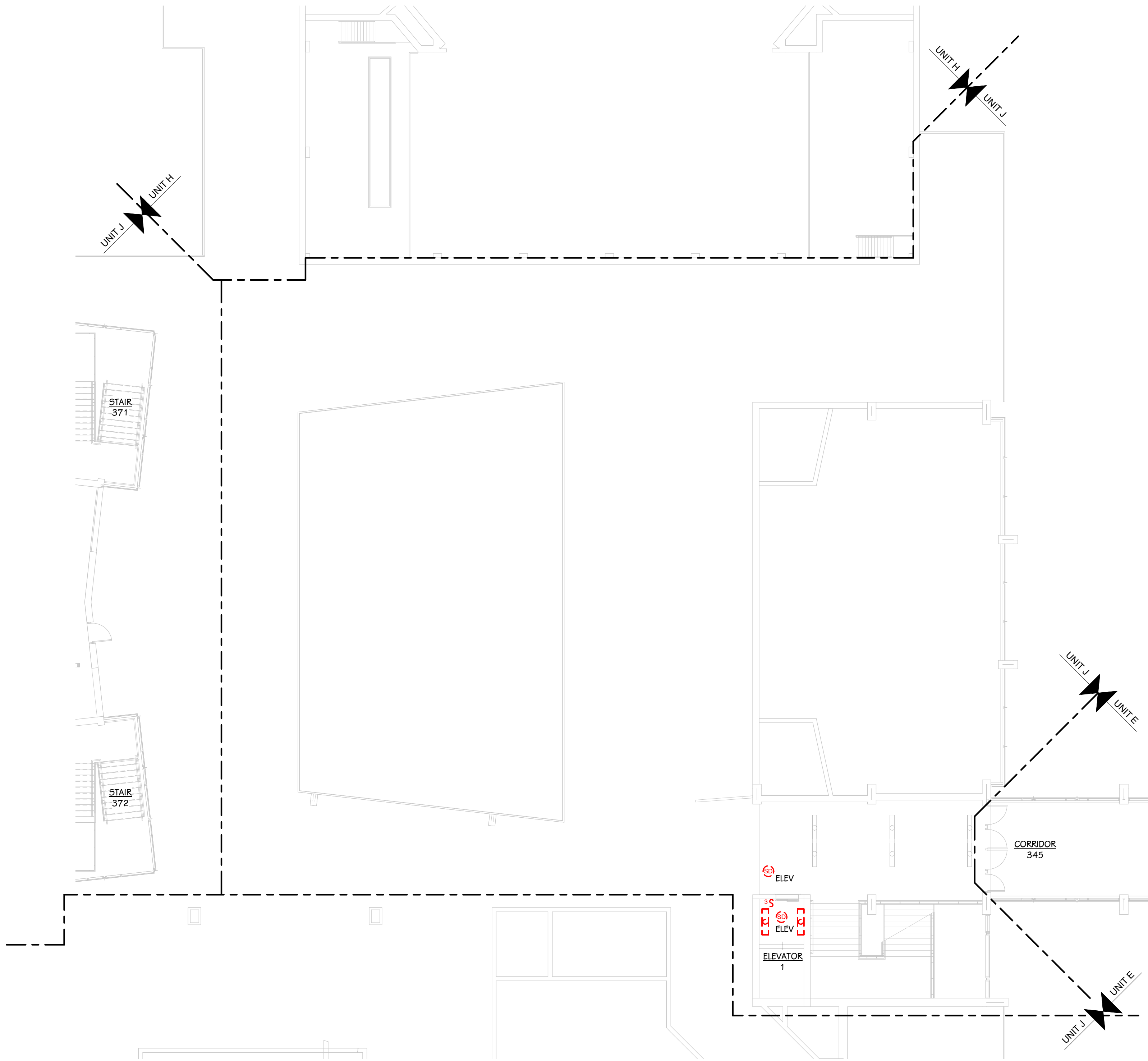
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COLOR. IF THIS TEXT APPEARS IN BLACK AND WHITE,
IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN
AN ACCURATE DRAWING**

The diagram shows a 16-bit bus system with the following components and connections:

- Component K** (grey box) is connected to the bus via a 16-bit connector **L** on its top edge.
- Component D1** is connected to the bus via a 16-bit connector on its top edge.
- Component D2** is connected to the bus via a 16-bit connector on its top edge.
- Component M** is connected to the bus via a 16-bit connector on its top edge.
- Component A** is connected to the bus via a 16-bit connector on its top edge.
- Component B** is connected to the bus via a 16-bit connector on its top edge.
- Component C** is connected to the bus via a 16-bit connector on its top edge.
- Component E** is connected to the bus via a 16-bit connector on its top edge.
- Component J** is connected to the bus via a 16-bit connector on its top edge.
- Component I** is connected to the bus via a 16-bit connector on its top edge.
- Component F** is connected to the bus via a 16-bit connector on its top edge.
- Component G** is connected to the bus via a 16-bit connector on its top edge.
- Component H** is connected to the bus via a 16-bit connector on its top edge.



DATE
SEPTEMBER 16, 2024

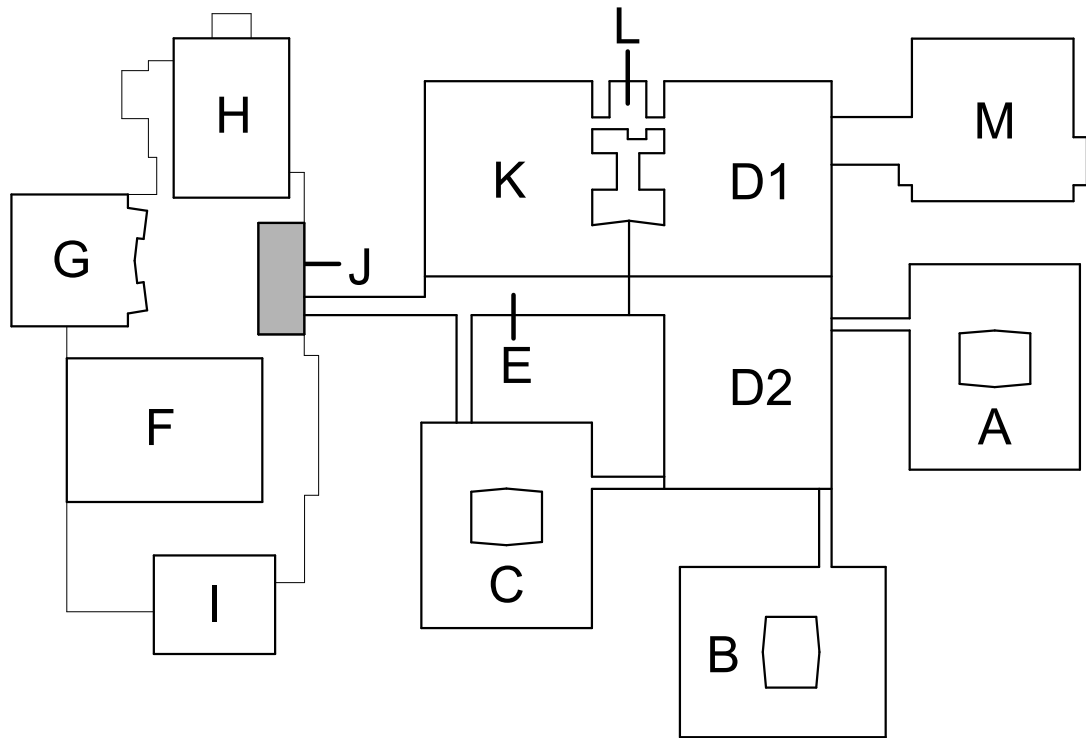


 **FIRST FLOOR ELECTRICAL DEMOLITION PLAN**
3/32" = 1'-0"

- ELECTRICAL DEMOLITION KEYED NOTES** ☐
- 1 PROVIDE TEMPORARY SUPPORT FOR EXISTING LIGHT FIXTURES WITH THE SPACE. REUSE EXISTING LIGHT FIXTURES IN SAME LOCATION WITHIN SPACE. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION.
 - 2 REMOVE THE ELECTRICAL CONNECTION TO MECHANICAL EQUIPMENT AND ALL ASSOCIATED WIRE AND CONDUIT BACK TO NEAREST JUNCTION BOX. RETAIN CIRCUIT FOR REUSE.
 - 3 REMOVE THE ELECTRICAL CONNECTION TO MECHANICAL EQUIPMENT AND ALL ASSOCIATED WIRE AND CONDUIT BACK TO SOURCE.
 - 4 REMOVE THE ELECTRICAL CONNECTION TO ACCU AND ALL WIRE BACK TO SOURCE. RETAIN CONDUIT FOR NEW CIRCUIT. REPLACE BREAKERS IN PANELS LPB2 AND LPC3 AS SHOWN IN NEW PANEL SCHEDULE.
 - 5 REMOVE CONNECTION TO BI-POLAR IONIZATION. COORDINATE WITH MECHANICAL AS REQUIRED TO INSTALL EXISTING BI-POLAR IONIZATION IN NEW EQUIPMENT. EXTEND AND REWORK AS REQUIRED FOR A COMPLETE INSTALLATION.
 - 6 TEMPORARILY SUPPORT EXISTING FIRE ALARM DEVICE TO REMAIN. REINSTALL IN NEW CEILING. REWORK AND EXTEND EXISTING CIRCUIT AS REQUIRED.
 - 7 REMOVE ALL ELECTRICAL CONNECTIONS TO ABANDONED TV AND AV EQUIPMENT INCLUDING ALL ASSOCIATED CONDUIT AND WIRE BACK TO SOURCE.

THIS DRAWING SHEET IS INTENDED TO BE PLOTTED IN COLOR. IF THIS TEXT APPEARS IN BLACK AND WHITE, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING

LEVEL 1 - KEY PLAN



 **KEY PLAN**
SCALE: NO SCALE

BULLETIN NO. 1 December 16, 2024
ISSUED FOR DATE

PROJECT TITLE
LOY NORRIX HIGH
SCHOOL MECHANICAL
IMPROVEMENTS
PROJECT

OWNER
KALAMAZOO PUBLIC
SCHOOLS
Kalamazoo, Michigan

SHEET TITLE
LEVEL 1 ELECTRICAL DEMOLITION PLAN
- UNIT J

DATE
SEPTEMBER 16, 2024

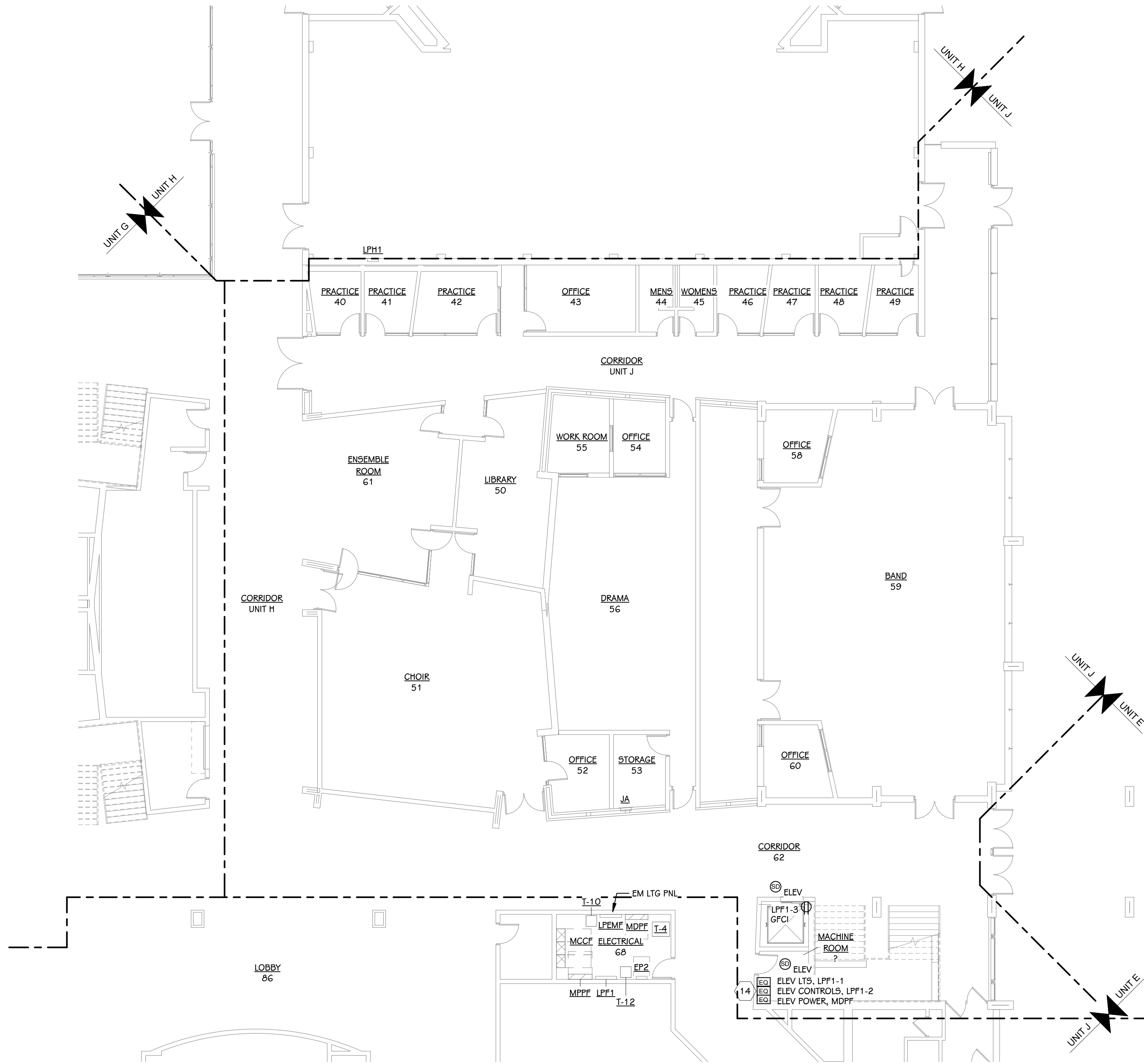
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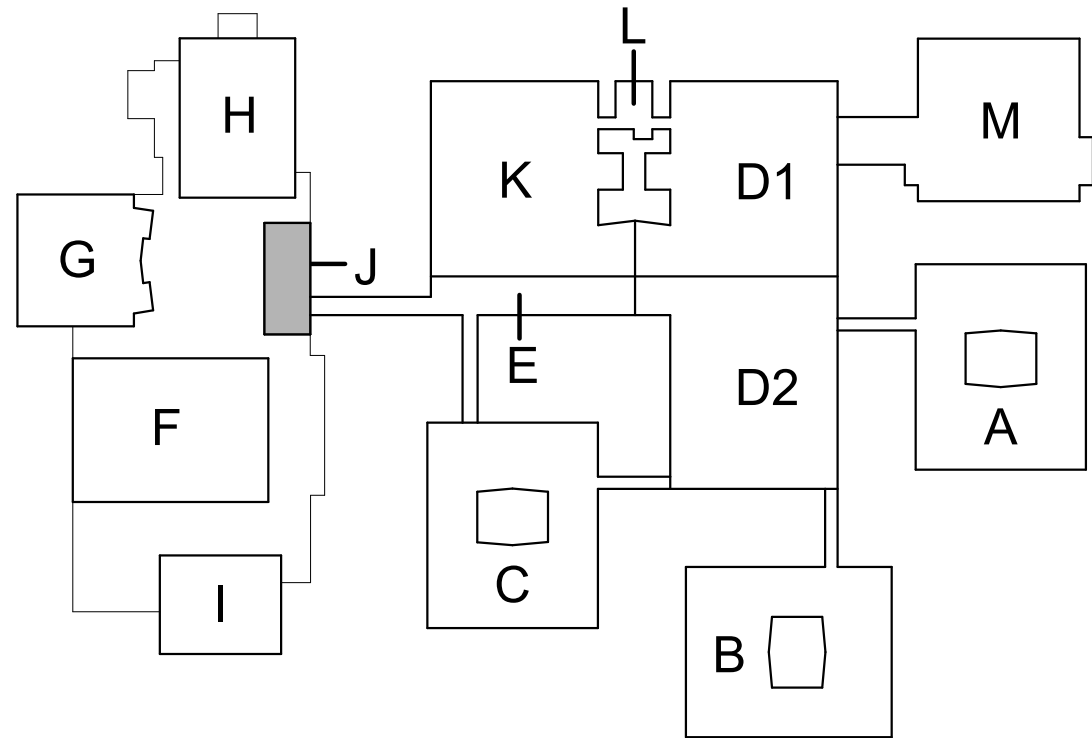
SHEET NUMBER
ED 101K
21-807.00



LOWER LEVEL POWER PLAN - UNIT J
3/32" = 1'-0"

- ELECTRICAL KEYED NOTES**
- 1 DISCONNECT EXISTING BI-POLAR IONIZATION AND RETAIN CIRCUIT FOR REUSE. RE-CONNECT BI-POLAR IONIZATION IN NEW MECHANICAL EQUIPMENT.
 - 2 DISCONNECT ELECTRICAL CONNECTION FROM THE EXISTING CABINET OR UNIT HEATER, RETAIN CIRCUIT FOR REUSE. CONNECT NEW CABINET OR UNIT HEATER TO EXISTING CIRCUIT, EXTEND WIRING AND CONDUIT AS REQUIRED.
 - 3 DISCONNECT ELECTRICAL CONNECTION FROM THE EXISTING EXHAUST FAN, REMOVE WIRE FROM EXISTING FAN TO BREAKER. RETAIN EXISTING BREAKER AND CONDUIT FOR REUSE. PROVIDE \$25,000 ALLOWANCE FOR REPLACING WIRING TO NEW 120 VOLT EXHAUST FANS. PROVIDE #10 WIRE FOR CIRCUITS OVER 100'. EXISTING CODE COMPLIANT WIRING MAY BE REUSED.
 - 4 REMOVE AND RELOCATE EXISTING RECEPTACLE / WIREMOLD ALONG WITH ASSOCIATED CIRCUIT AS REQUIRED TO ACCOMMODATE FOR NEW VERTICAL UNIT VENT. REWORK AND EXTEND CIRCUIT AS REQUIRED.
 - 5 ALL EXISTING ROOF TOP ACCU CONDUIT FOR THE CLASSROOM ARE IN THE TUNNEL. REUSE EXISTING PATH OF CONDUIT FROM PANEL LPA3 AND LPC3 THROUGH TUNNEL, UP THE WALL WITH THE REFRIGERANT PIPING AND TO THE ROOF. CONCEAL CONDUIT THROUGH CLASSROOM IN ACCU REFRIGERANT PIPING COVER.
 - 6 ROUTE ALL NEW CONDUIT FROM PANEL LPA3 TO ROOF TOP ACCU THROUGH TUNNEL, UP THE WALL WITH THE REFRIGERANT PIPING AND TO THE ROOF. CONCEAL CONDUIT THROUGH CLASSROOM IN ACCU REFRIGERANT PIPING COVER.
 - 7 CONNECT NEW TERMINAL UNIT TRANSFORMER TO EXISTING LOCAL TERMINAL UNIT POWER CIRCUIT MADE AVAILABLE THROUGH DEMOLITION. CONNECT MAXIMUM OF 8 TERNINAL UNITS ON A CIRCUIT. COORDINATE WITH TEMPERATURE CONTROLS.
 - 8 REMOVE SPARE BREAKER AND PROVIDE NEW 20A/2P BREAKER IN EXISTING SQUARE D NQ PANEL PPD1 FOR CR-D1.
 - 9 CONNECT SMOKE DAMPER TO EXISTING LOCAL RECEPTACLE CIRCUIT.
 - 10 DISCONNECT ELECTRICAL CONNECTION FROM THE EXISTING EXHAUST FAN AND ALL WIRE AND CONDUIT BACK TO SOURCE. PROVIDE NEW 20/2 POLE BREAKER IN NEXT AVAILABLE SPARE SPOT IN PANEL SHOWN.
 - 11 DISCONNECT ELECTRICAL CONNECTION FROM THE EXISTING EXHAUST FAN AND ALL WIRE AND CONDUIT BACK TO SOURCE. CONNECT TO NEW CIRCUIT SHOWN.
 - 12 REWORK CONDUIT AND WIRING AS REQUIRED TO LOWER ROOM TO STAND DEVICE HEIGHT. RECESS DEVICE AND BACKBOX IN EXISTING WALL. CUT AND PATCH AS REQUIRED.
 - 13 REMOVE AND RELOCATE POWER AS REQUIRED FOR TECHNOLOGY REVISIONS. EXTEND AND REWORK EXISTING CIRCUIT AS REQUIRED. REFER TO TECHNOLOGY DRAWINGS. COORDINATE WITH TECHNOLOGY CONTRACTOR PRIOR TO ALL TECHNOLOGY DEMOLITION OR NEW CONSTRUCTION.
 - 14 CONNECT ELEVATOR TO FIRE ALARM SYSTEM AND TELEPHONE SYSTEM WITH DEDICATED PHONE LINE. ALL DISCONNECTS SHALL HAVE AUX CONTACTS. COORDINATE FUSE SIZE FOR ELEVATOR POWER CIRCUIT WITH SHOP DRAWINGS. COORDINATE ALL INSTALLATION REQUIREMENTS WITH ELEVATOR CONTRACTOR.

LEVEL 1 - KEY PLAN



KEY PLAN
SCALE: NO SCALE

BULLETIN NO. 1 December 16, 2024
ISSUED FOR DATE

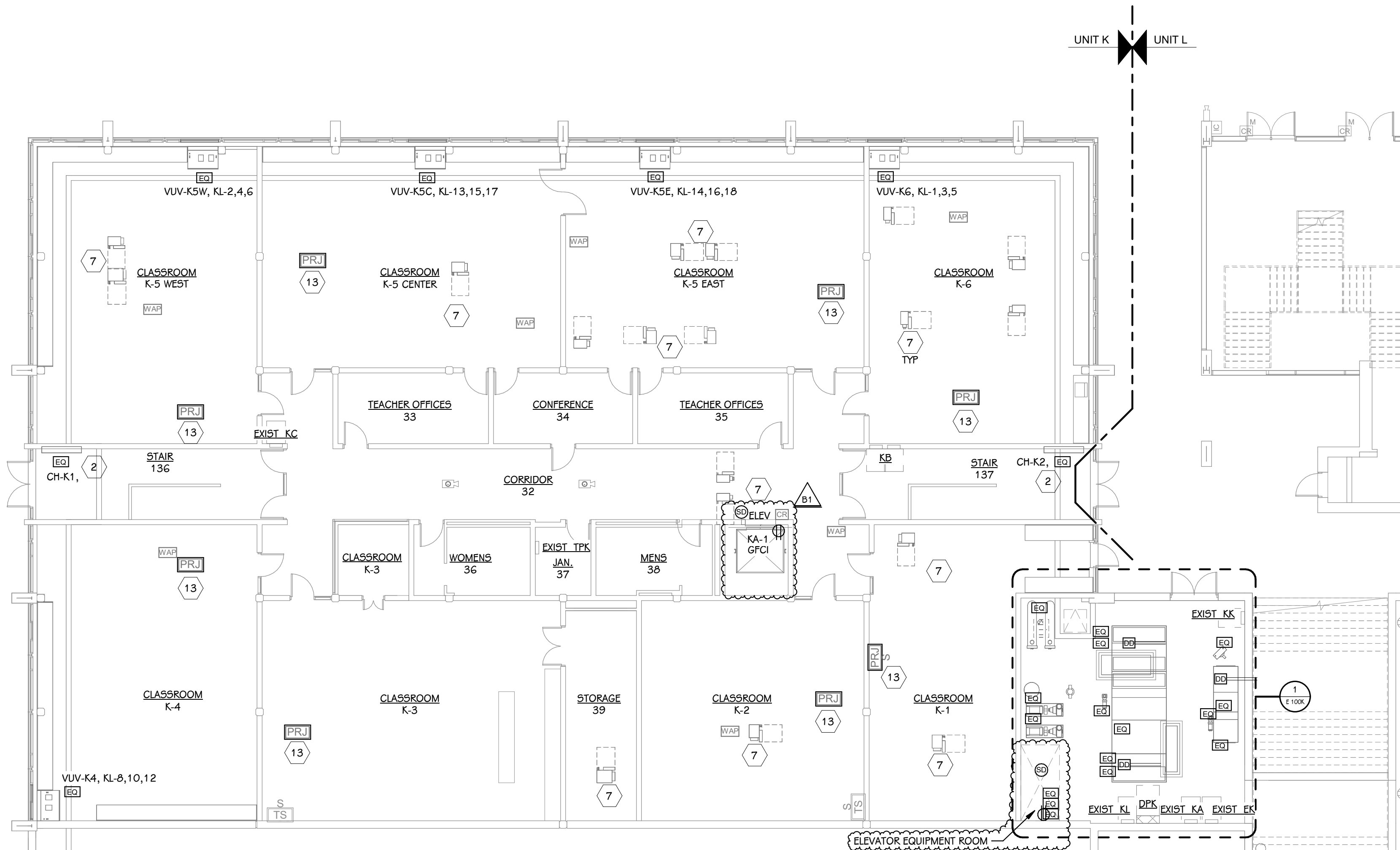
PROJECT TITLE
LOY NORRICH HIGH SCHOOL MECHANICAL IMPROVEMENTS PROJECT

OWNER
KALAMAZOO PUBLIC SCHOOLS
Kalamazoo, Michigan

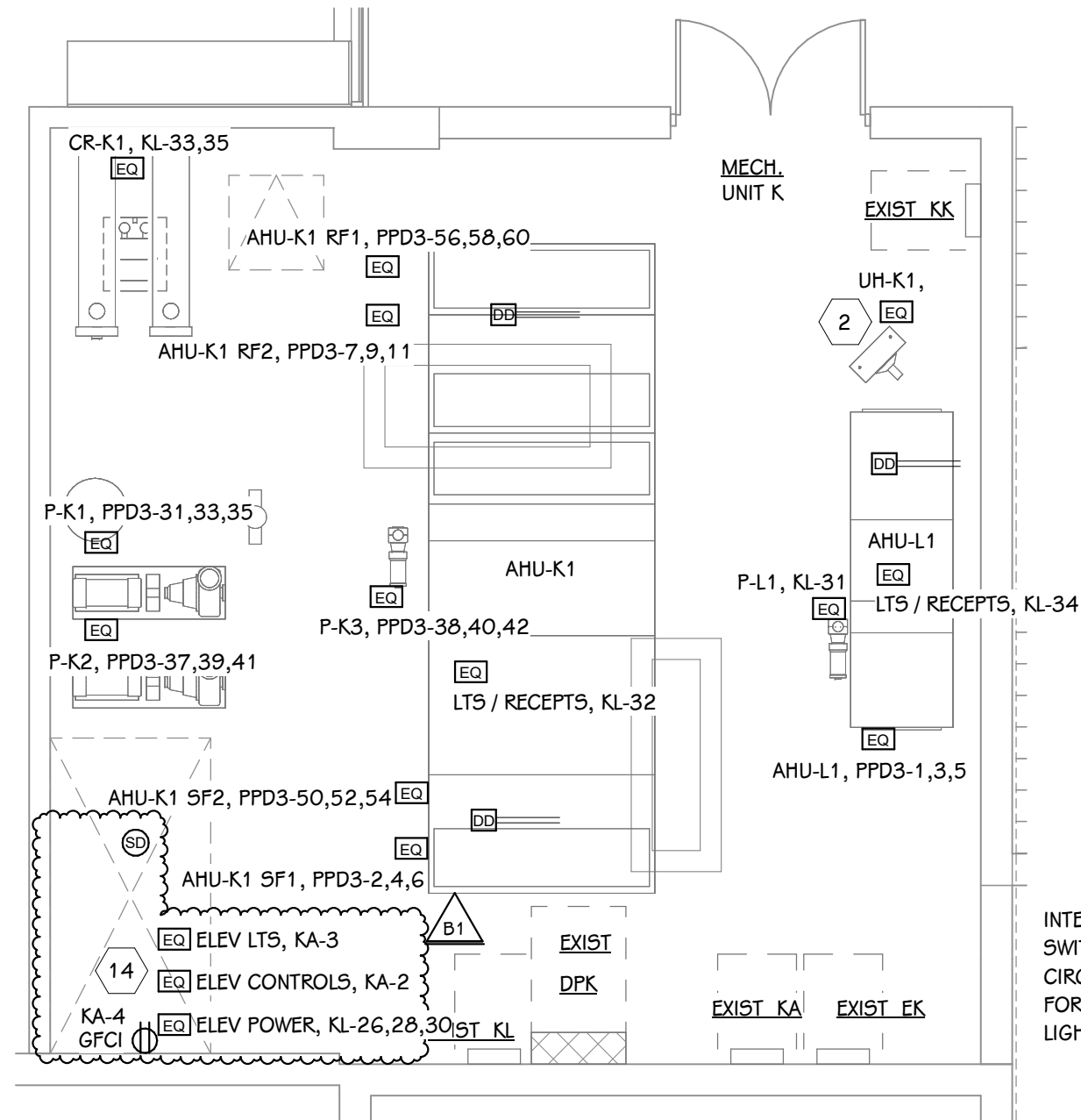
SHEET TITLE
LOWER LEVEL POWER PLAN - UNIT J

DATE
SEPTEMBER 16, 2024

SHEET NUMBER
E 100J
21-807.00



LOWER LEVEL POWER PLAN - UNIT K
3/32" = 1'-0"

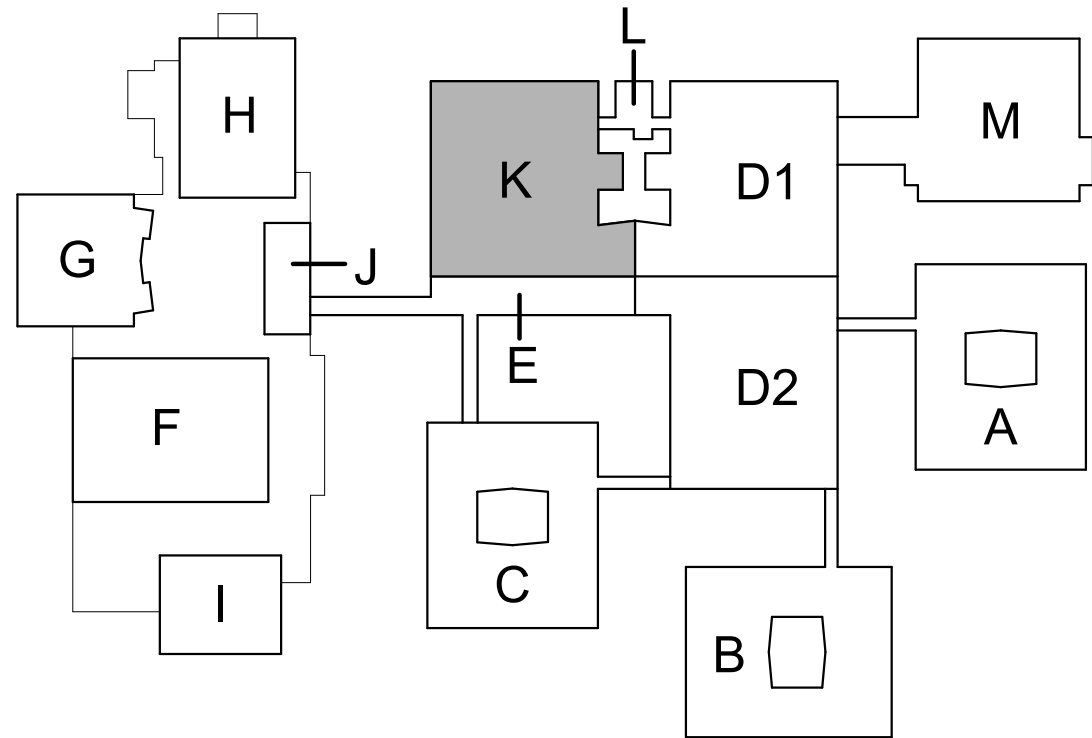


ENLARGED MECH ROOM POWER PLAN
3/16" = 1'-0"

INTERWIRE AHU / RTU DISCONNECT, LIGHTING, SWITCHING, AND GENERAL RECEPTACLE CIRCUITS. PROVIDE ALL WORK NECESSARY FOR A COMPLETE INSTALLATION. MOUNT LIGHT SWITCHES AT MAX 48" AFF. (TYP)

- ELECTRICAL KEYED NOTES**
- DISCONNECT EXISTING BI-POLAR IONIZATION AND RETAIN CIRCUIT FOR REUSE. RE-CONNECT BI-POLAR IONIZATION IN NEW MECHANICAL EQUIPMENT.
 - DISCONNECT ELECTRICAL CONNECTION FROM THE EXISTING CABINET OR UNIT HEATER, RETAIN CIRCUIT FOR REUSE. CONNECT NEW CABINET OR UNIT HEATER TO EXISTING CIRCUIT, EXTEND WIRING AND CONDUIT AS REQUIRED.
 - DISCONNECT ELECTRICAL CONNECTION FROM THE EXISTING EXHAUST FAN, REMOVE WIRE FROM EXISTING FAN TO BREAKER. RETAIN EXISTING BREAKER AND CONDUIT FOR REUSE. PROVIDE \$25,000 ALLOWANCE FOR REPLACING WIRING TO NEW 120 VOLT EXHAUST FANS. PROVIDE #10 WIRE FOR CIRCUITS OVER 100'. EXISTING CODE COMPLIANT WIRING MAY BE REUSED.
 - REMOVE AND RELOCATE EXISTING RECEPTACLE / WIREMOLD ALONG WITH ASSOCIATED CIRCUIT AS REQUIRED TO ACCOMMODATE FOR NEW VERTICAL UNIT VENT. REWORK AND EXTEND CIRCUIT AS REQUIRED.
 - ALL EXISTING ROOF TOP ACCU CONDUIT FOR THE CLASSROOM ARE IN THE TUNNEL. REUSE EXISTING PATH OF CONDUIT FROM PANEL LPA3 AND LPC3 THROUGH TUNNEL, UP THE WALL WITH THE REFRIGERANT PIPING AND TO THE ROOF. CONCEAL CONDUIT THROUGH CLASSROOM IN ACCU REFRIGERANT PIPING COVER.
 - ROUTE ALL NEW CONDUIT FROM PANEL LPA3 TO ROOF TOP ACCU THROUGH TUNNEL, UP THE WALL WITH THE REFRIGERANT PIPING AND TO THE ROOF. CONCEAL CONDUIT THROUGH CLASSROOM IN ACCU REFRIGERANT PIPING COVER.
 - CONNECT NEW TERMINAL UNIT TRANSFORMER TO EXISTING LOCAL TERMINAL UNIT POWER CIRCUIT MADE AVAILABLE THROUGH DEMOLITION. CONNECT MAXIMUM OF 8 TERMINAL UNITS ON A CIRCUIT. COORDINATE WITH TEMPERATURE CONTROLS.
 - REMOVE SPARE BREAKER AND PROVIDE NEW 20A/2P BREAKER IN EXISTING SQUARE D NQ PANEL PPD1 FOR CR-D1.
 - CONNECT SMOKE DAMPER TO EXISTING LOCAL RECEPTACLE CIRCUIT.
 - DISCONNECT ELECTRICAL CONNECTION FROM THE EXISTING EXHAUST FAN AND ALL WIRE AND CONDUIT BACK TO SOURCE. PROVIDE NEW 20/2 POLE BREAKER IN NEXT AVAILABLE SPARE SPOT IN PANEL SHOWN.
 - DISCONNECT ELECTRICAL CONNECTION FROM THE EXISTING EXHAUST FAN AND ALL WIRE AND CONDUIT BACK TO SOURCE. CONNECT TO NEW CIRCUIT SHOWN.
 - REWORK CONDUIT AND WIRING AS REQUIRED TO LOWER ROOM TO STAND DEVICE HEIGHT. RECESS DEVICE AND BACKBOX IN EXISTING WALL. CUT AND PATCH AS REQUIRED.
 - REMOVE AND RELOCATE POWER AS REQUIRED FOR TECHNOLOGY REVISIONS. EXTEND AND REWORK EXISTING CIRCUIT AS REQUIRED. REFER TO TECHNOLOGY DRAWINGS. COORDINATE WITH TECHNOLOGY CONTRACTOR PRIOR TO ALL TECHNOLOGY DEMOLITION OR NEW CONSTRUCTION.
 - CONNECT ELEVATOR TO FIRE ALARM SYSTEM AND TELEPHONE SYSTEM WITH DEDICATED PHONE LINE. ALL DISCONNECTS SHALL HAVE AUX CONTACTS. COORDINATE FUSE SIZE FOR ELEVATOR POWER CIRCUIT WITH SHOP DRAWINGS. COORDINATE ALL INSTALLATION REQUIREMENTS WITH ELEVATOR CONTRACTOR.

LEVEL 1 - KEY PLAN



KEY PLAN
SCALE: NO SCALE

BULLETIN NO. 1 December 16, 2024
ADDENDUM NO. 3 December 6, 2024

ISSUED FOR DATE

PROJECT TITLE
LOY NORRIX HIGH
SCHOOL MECHANICAL
IMPROVEMENTS
PROJECT

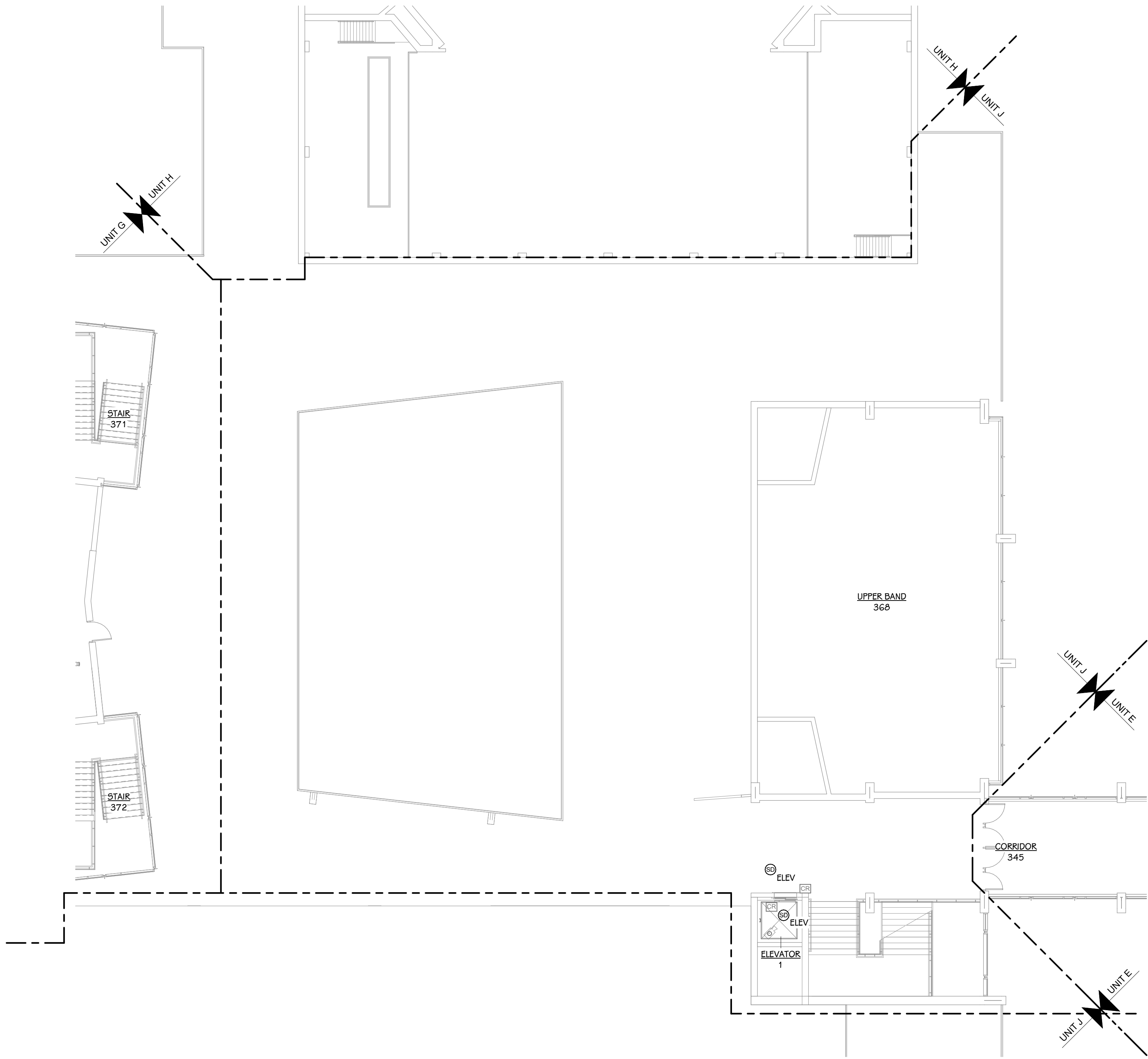
OWNER
KALAMAZOO PUBLIC
SCHOOLS

Kalamazoo, Michigan

SHEET TITLE
LOWER LEVEL POWER PLAN - UNIT K

SHEET NUMBER
E 100K
21-807.00

DATE
SEPTEMBER 16, 2024

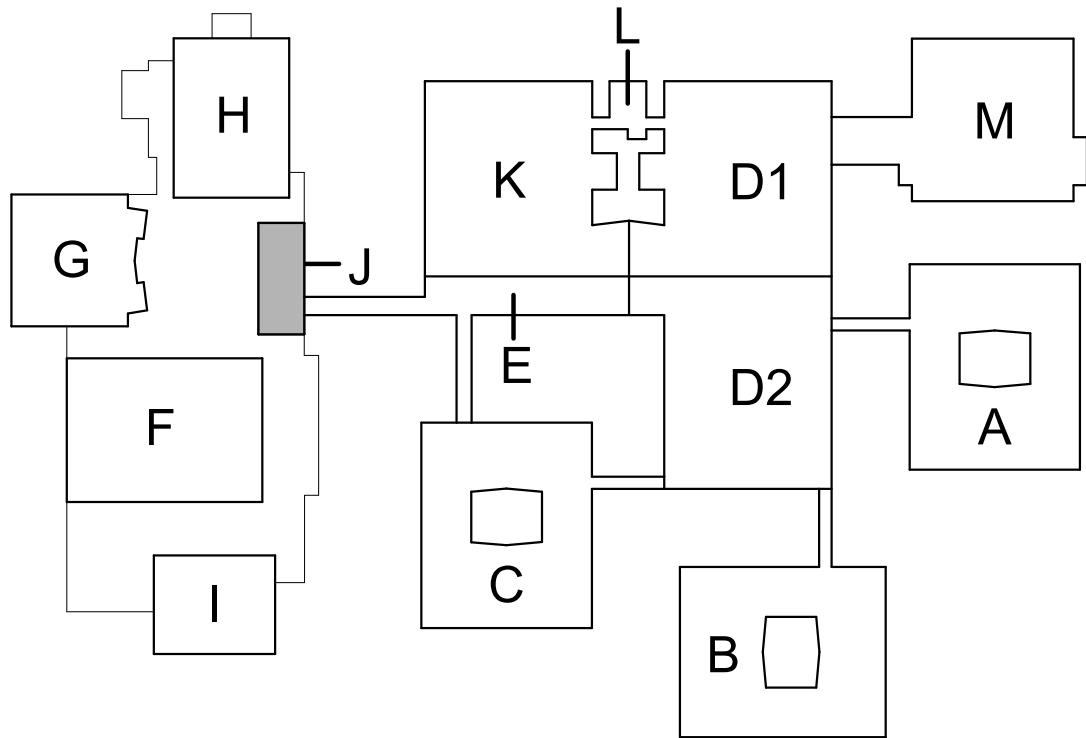


 **LEVEL 1 POWER PLAN - UNIT J**
3/32" = 1'-0"

ELECTRICAL KEYED NOTES

- 1 DISCONNECT EXISTING BI-POLAR IONIZATION AND RETAIN CIRCUIT FOR REUSE. RE-CONNECT BI-POLAR IONIZATION IN NEW MECHANICAL EQUIPMENT.
- 2 DISCONNECT ELECTRICAL CONNECTION FROM THE EXISTING CABINET OR UNIT HEATER, RETAIN CIRCUIT FOR REUSE. CONNECT NEW CABINET OR UNIT HEATER TO EXISTING CIRCUIT, EXTEND WIRING AND CONDUIT AS REQUIRED.
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LEVEL 1 - KEY PLAN



KEY PLAN
SCALE: NO SCALE

BULLETIN NO. 1 December 16, 2024

ISSUED FOR DATE

PROJECT TITLE
LOY NORRICH HIGH
SCHOOL MECHANICAL
IMPROVEMENTS
PROJECT

OWNER
KALAMAZOO PUBLIC
SCHOOLS

Kalamazoo, Michigan

SHEET TITLE
LEVEL 1 POWER PLAN - UNIT J

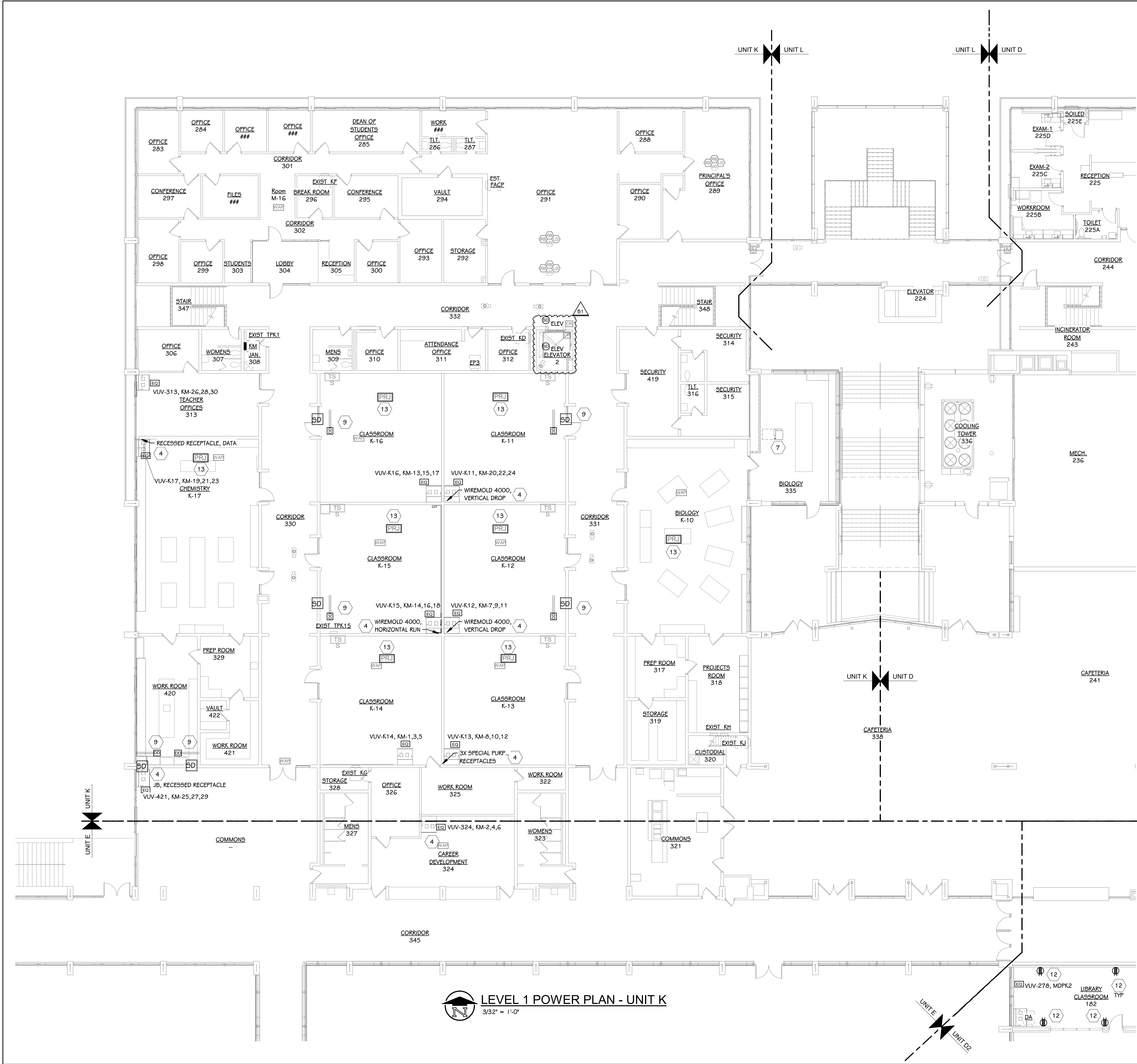
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SHEET NUMBER
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21-807.00

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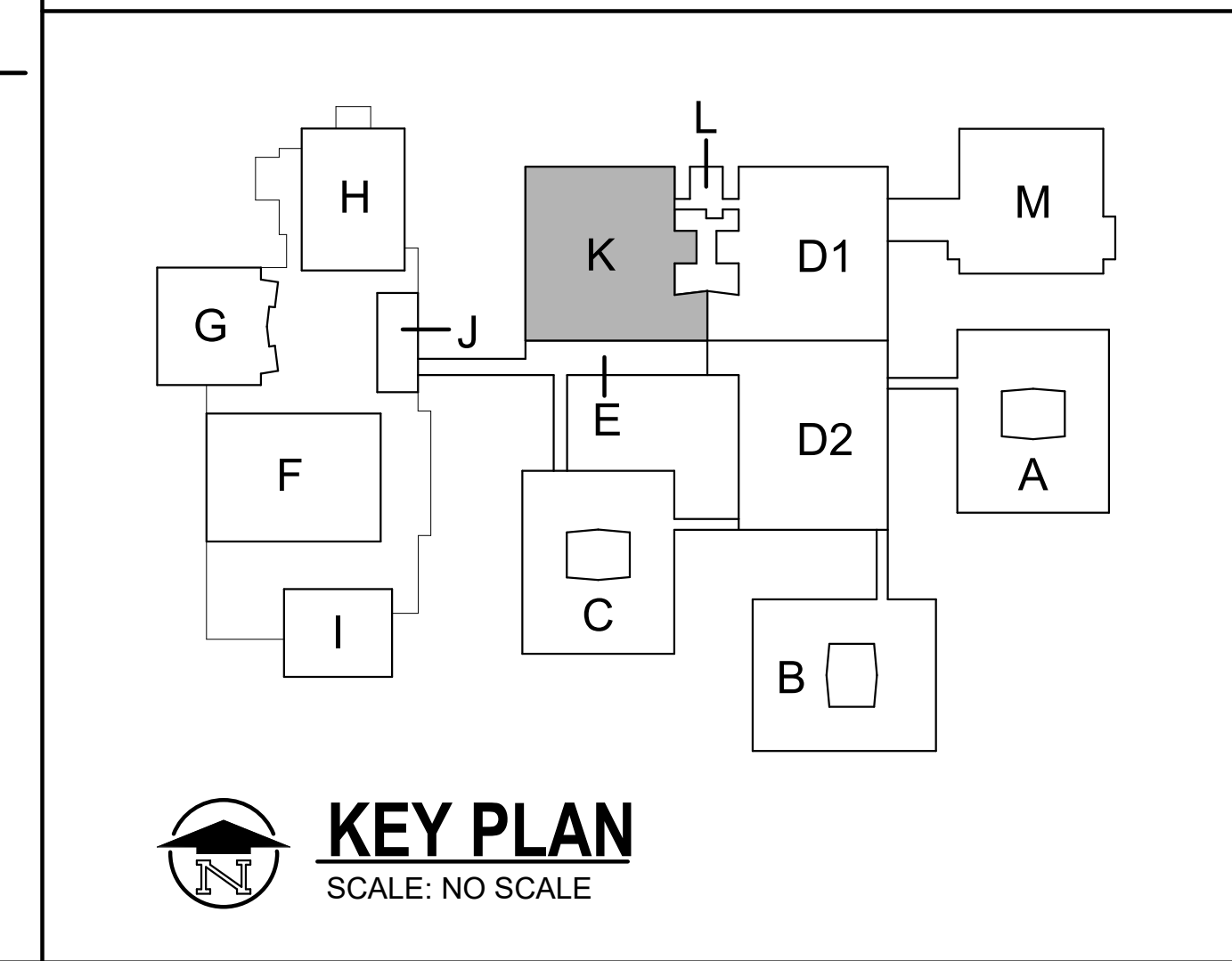
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LEVEL 1 - KEY PLAN



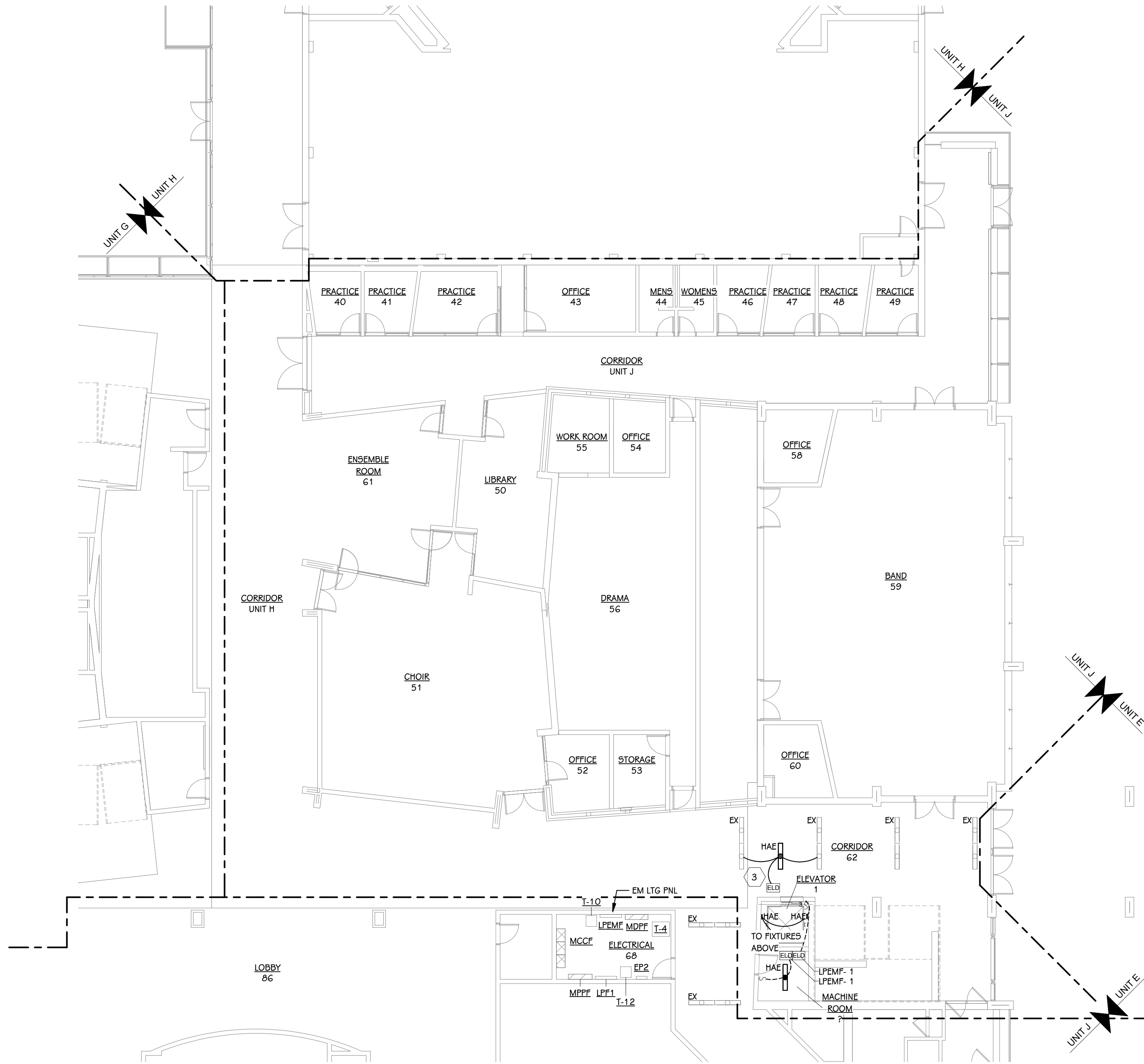
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BULLETIN NO. 1
ISSUED FOR
PROJECT TITLE
OWNER
SHEET TITLE

December 16, 2024
DATE
LOY NORRICH HIGH SCHOOL MECHANICAL IMPROVEMENTS PROJECT
KALAMAZOO PUBLIC SCHOOLS
LEVEL 1 POWER PLAN - UNIT K

Kalamazoo, Michigan

SEPTEMBER 16, 2024
DATE
E 101K
21-807.00

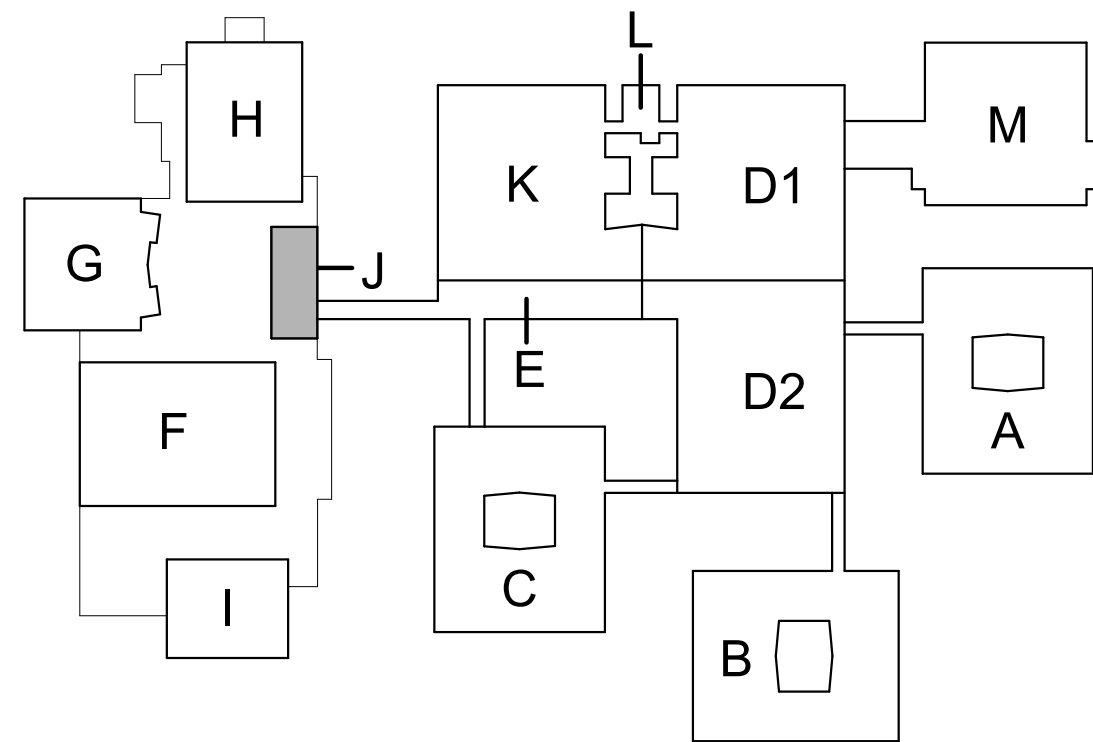


LOWER LEVEL LIGHTING PLAN - UNIT J
3/32" = 1'-0"

ELECTRICAL KEYED NOTES

- 1 REMOVE EXISTING LIGHTING AND OCCUPANCY SENSORS AS REQUIRED FOR MECHANICAL CEILING DEMOLITION. REWORK CONDUITS AND JUNCTION BOXES AS REQUIRED. EXTEND AND REWORK EXISTING CIRCUITS AS REQUIRED TO REINSTALL EXISTING FIXTURES IN NEW CEILING. COORDINATE WITH MECHANICAL.
- 2 REMOVE LIGHTING, LIGHTING CIRCUITS, CONDUIT, AND WIRE BACK TO NEAREST ACTIVE JUNCTION BOXES. NEW FIXTURES SHALL BE CONNECTED TO EXISTING ROOM LIGHTING CIRCUITS. REMOVE EXISTING SWITCHES AND ASSOCIATED LINE VOLTAGE WIRING. PROVIDE BARRIER BETWEEN LINE VOLTAGE AND LOW VOLTAGE WIRING AS REQUIRED FOR NEW CONSTRUCTION. CONNECT NEW LIGHTS TO ROOM LIGHTING CIRCUIT AT NEAREST JUNCTION BOX REMAINING FROM DEMOLITION. EXTEND AND REWORK EXISTING ROOM LIGHTING CIRCUIT AS REQUIRED. PROVIDE NEW LOW VOLTAGE SWITCHES IN PLACE OF EXISTING LINE VOLTAGE SWITCHES. PROVIDE NEW OCCUPANCY SENSOR CONTROL AS INDICATED.
- 3 PROVIDE NEW CORRIDOR OCCUPANCY SENSOR, TIE INTO EXISTING CORRIDOR LIGHTING CIRCUIT. PROVIDE NEW FIXTURE WHERE INDICATED. TIE INTO CORRIDOR LIGHTING CIRCUIT WITH ELD CIRCUITED TIED TO EXISTING EMERGENCY LIGHTING PANEL.

LEVEL 1 - KEY PLAN



KEY PLAN
SCALE: NO SCALE

BULLETIN NO. 1 December 16, 2024

ISSUED FOR DATE

PROJECT TITLE
LOY NORRIS HIGH
SCHOOL MECHANICAL
IMPROVEMENTS
PROJECT

OWNER
KALAMAZOO PUBLIC
SCHOOLS

Kalamazoo, Michigan

SHEET TITLE
LOWER LEVEL LIGHTING PLAN - UNIT J

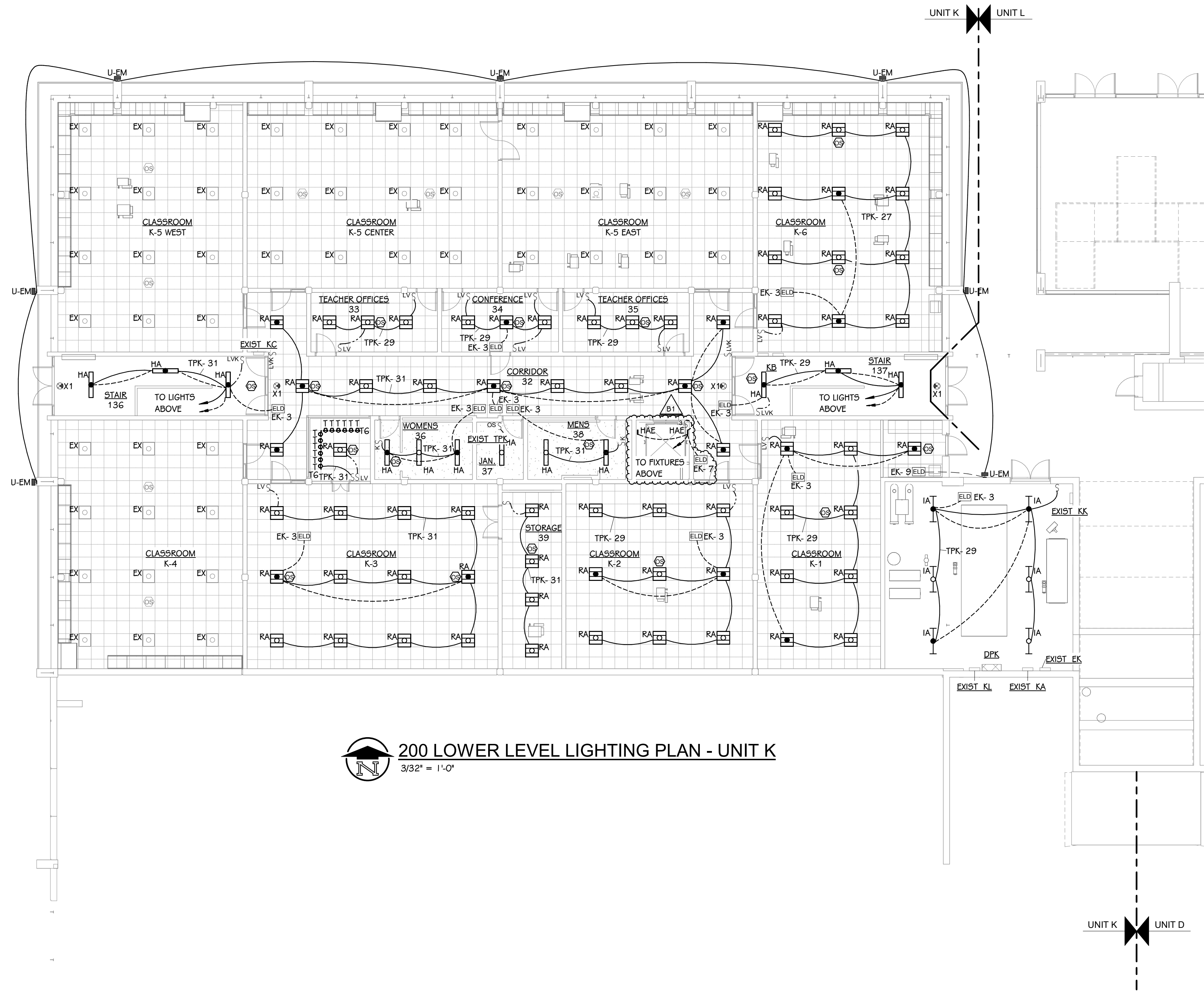
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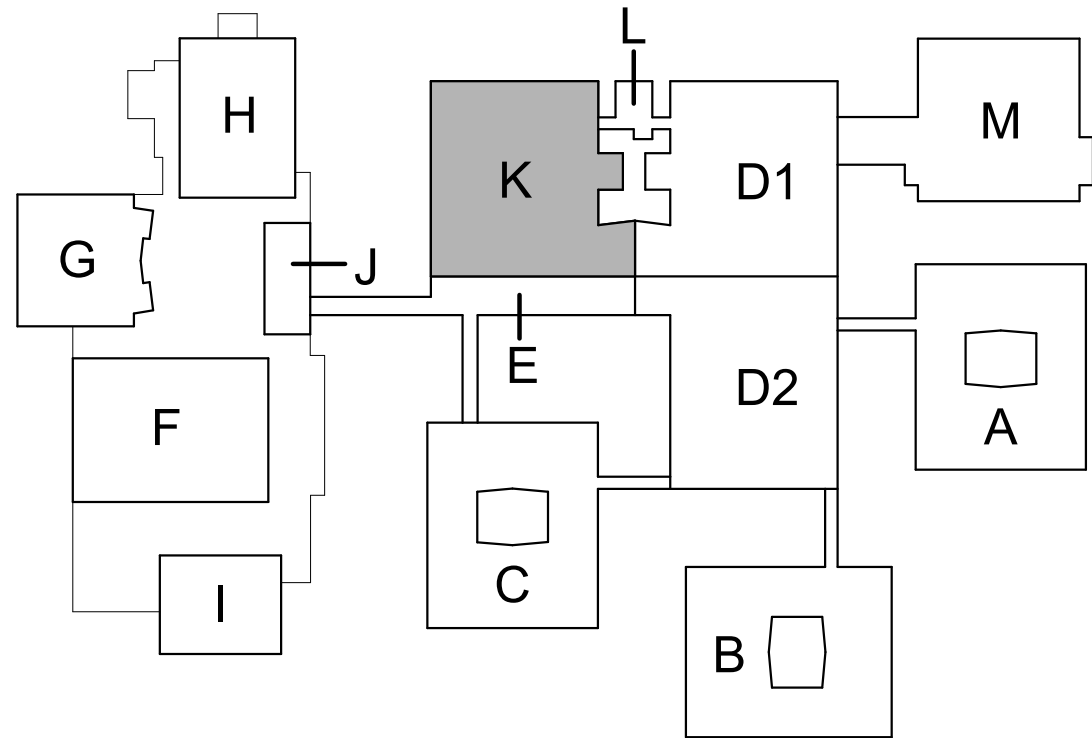
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- ELECTRICAL KEYED NOTES**
- 1 REMOVE EXISTING LIGHTING AND OCCUPANCY SENSORS AS REQUIRED FOR MECHANICAL CEILING DEMOLITION. REWORK CONDUITS AND JUNCTION BOXES AS REQUIRED. EXTEND AND REWORK EXISTING CIRCUITS AS REQUIRED TO REINSTALL EXISTING FIXTURES IN NEW CEILING. COORDINATE WITH MECHANICAL.
 - 2 REMOVE LIGHTING, LIGHTING CIRCUITS, CONDUIT, AND WIRE BACK TO NEAREST ACTIVE JUNCTION BOXES. NEW FIXTURES SHALL BE CONNECTED TO EXISTING ROOM LIGHTING CIRCUITS. REMOVE EXISTING SWITCHES AND ASSOCIATED LINE VOLTAGE WIRING. PROVIDE BARRIER BETWEEN LINE VOLTAGE AND LOW VOLTAGE WIRING AS REQUIRED FOR NEW CONSTRUCTION. CONNECT NEW LIGHTS TO ROOM LIGHTING CIRCUIT AT NEAREST JUNCTION BOX REMAINING FROM DEMOLITION. EXTEND AND REWORK EXISTING ROOM LIGHTING CIRCUIT AS REQUIRED. PROVIDE NEW LOW VOLTAGE SWITCHES IN PLACE OF EXISTING LINE VOLTAGE SWITCHES. PROVIDE NEW OCCUPANCY SENSOR CONTROL AS INDICATED.
 - 3 PROVIDE NEW CORRIDOR OCCUPANCY SENSOR, TIE INTO EXISTING CORRIDOR LIGHTING CIRCUIT. PROVIDE NEW FIXTURE WHERE INDICATED. TIE INTO CORRIDOR LIGHTING CIRCUIT WITH ELD CIRCUITED TIED TO EXISTING EMERGENCY LIGHTING PANEL.



KEY PLAN
SCALE: NO SCALE

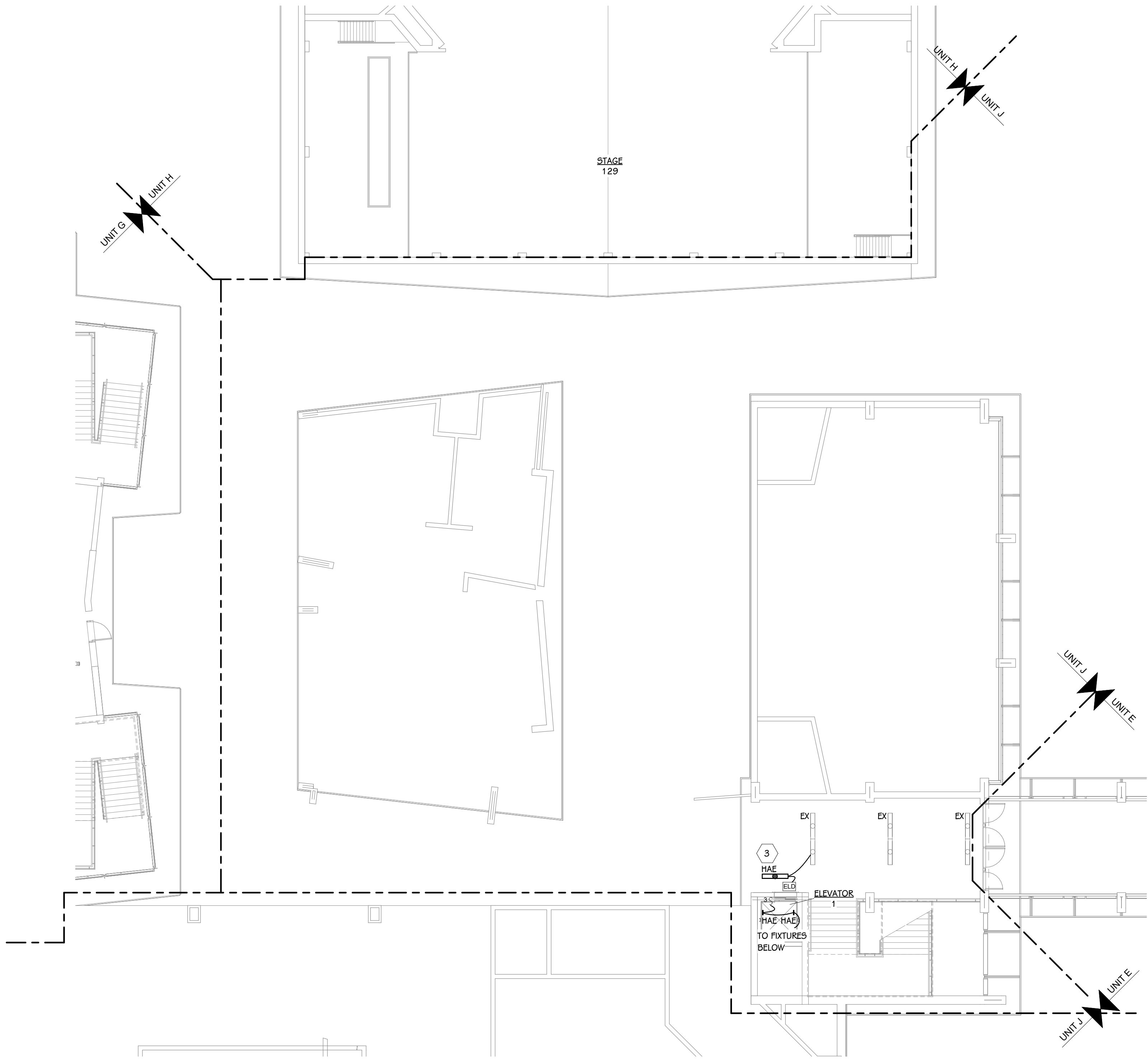
BULLETIN NO. 1 December 16, 2024
ADDENDUM NO. 3 December 6, 2024
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PROJECT TITLE
LOY NORRIS HIGH
SCHOOL MECHANICAL
IMPROVEMENTS
PROJECT

OWNER
KALAMAZOO PUBLIC
SCHOOLS
Kalamazoo, Michigan

SHEET TITLE
LOWER LEVEL LIGHTING PLAN - UNIT K

SHEET NUMBER
E 200K
21-807.00
DATE
SEPTEMBER 16, 2024

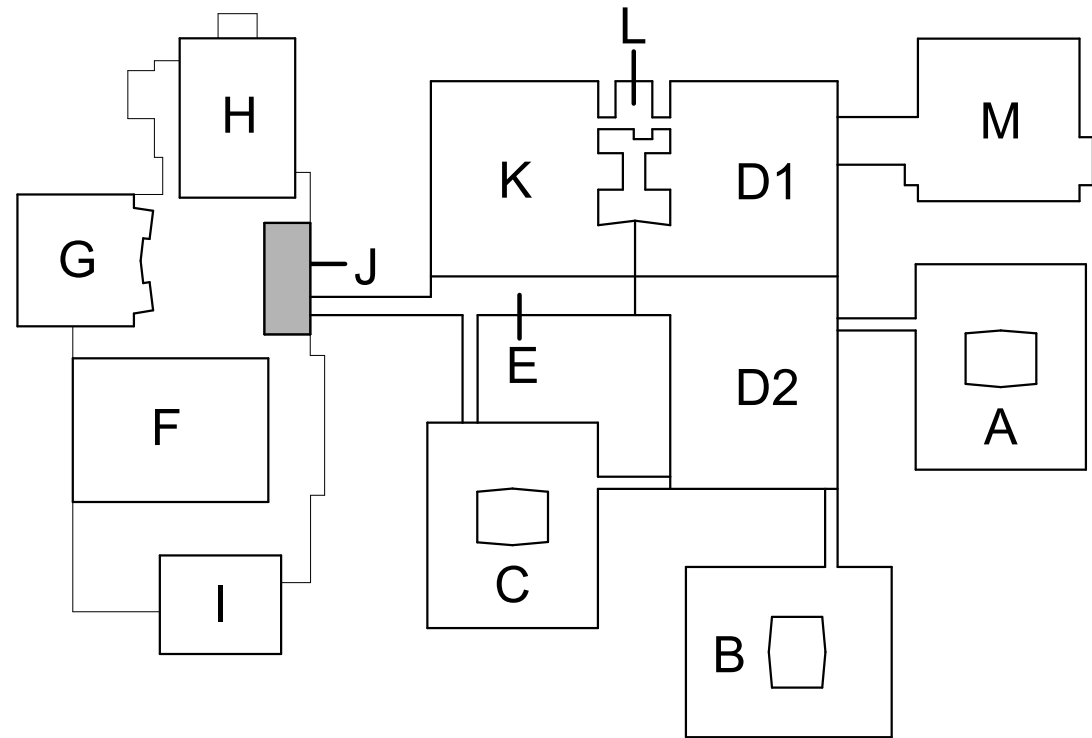


 **LEVEL 1 LIGHTING PLAN - UNIT J**
3/32" = 1'-0"

ELECTRICAL KEYED NOTES

- 1 REMOVE EXISTING LIGHTING AND OCCUPANCY SENSORS AS REQUIRED FOR MECHANICAL CEILING DEMOLITION. REWORK CONDUITS AND JUNCTION BOXES AS REQUIRED. EXTEND AND REWORK EXISTING CIRCUITS AS REQUIRED TO REINSTALL EXISTING FIXTURES IN NEW CEILING. COORDINATE WITH MECHANICAL.
- 2 REMOVE LIGHTING, LIGHTING CIRCUITS, CONDUIT, AND WIRE BACK TO NEAREST ACTIVE JUNCTION BOXES. NEW FIXTURES SHALL BE CONNECTED TO EXISTING ROOM LIGHTING CIRCUITS. REMOVE EXISTING SWITCHES AND ASSOCIATED LINE VOLTAGE WIRING. PROVIDE BARRIER BETWEEN LINE VOLTAGE AND LOW VOLTAGE WIRING AS REQUIRED FOR NEW CONSTRUCTION. CONNECT NEW LIGHTS TO ROOM LIGHTING CIRCUIT AT NEAREST JUNCTION BOX REMAINING FROM DEMOLITION. EXTEND AND REWORK EXISTING ROOM LIGHTING CIRCUIT AS REQUIRED. PROVIDE NEW LOW VOLTAGE SWITCHES IN PLACE OF EXISTING LINE VOLTAGE SWITCHES. PROVIDE NEW OCCUPANCY SENSOR CONTROL AS INDICATED.
- 3 PROVIDE NEW CORRIDOR OCCUPANCY SENSOR, TIE INTO EXISTING CORRIDOR LIGHTING CIRCUIT. PROVIDE NEW FIXTURE WHERE INDICATED. TIE INTO CORRIDOR LIGHTING CIRCUIT WITH ELD CIRCUITED TIED TO EXISTING EMERGENCY LIGHTING PANEL.

LEVEL 1 - KEY PLAN



KEY PLAN
SCALE: NO SCALE

SHEET TITLE
LEVEL 1 LIGHTING PLAN - UNIT J

PROJECT TITLE
LOY NORRIS HIGH
SCHOOL MECHANICAL
IMPROVEMENTS
PROJECT

OWNER
KALAMAZOO PUBLIC
SCHOOLS

Kalamazoo, Michigan

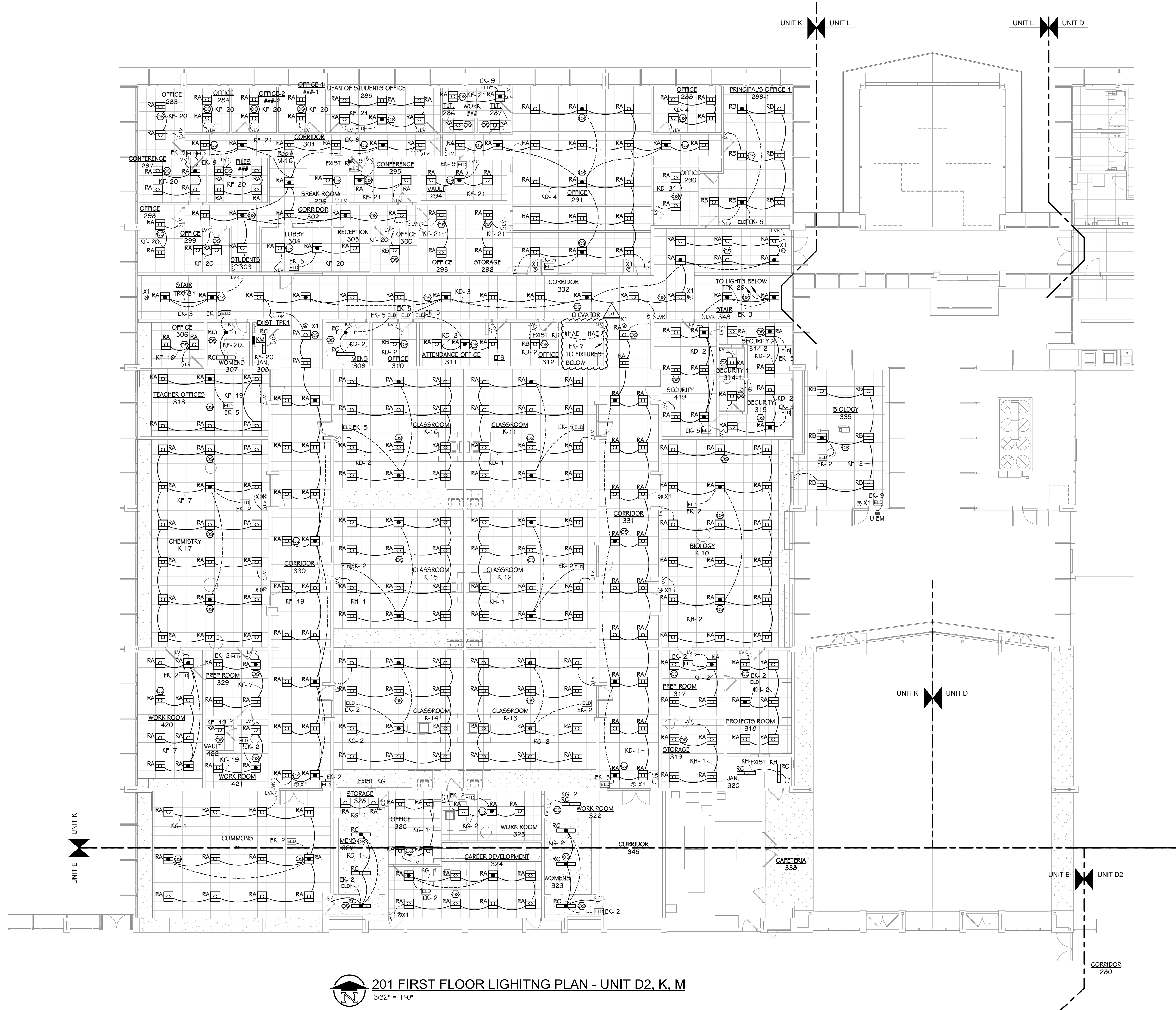
BULLETIN NO. 1 **December 16, 2024**
ISSUED FOR **DATE**

DATE **SEPTEMBER 16, 2024**

SHEET NUMBER
E 201J
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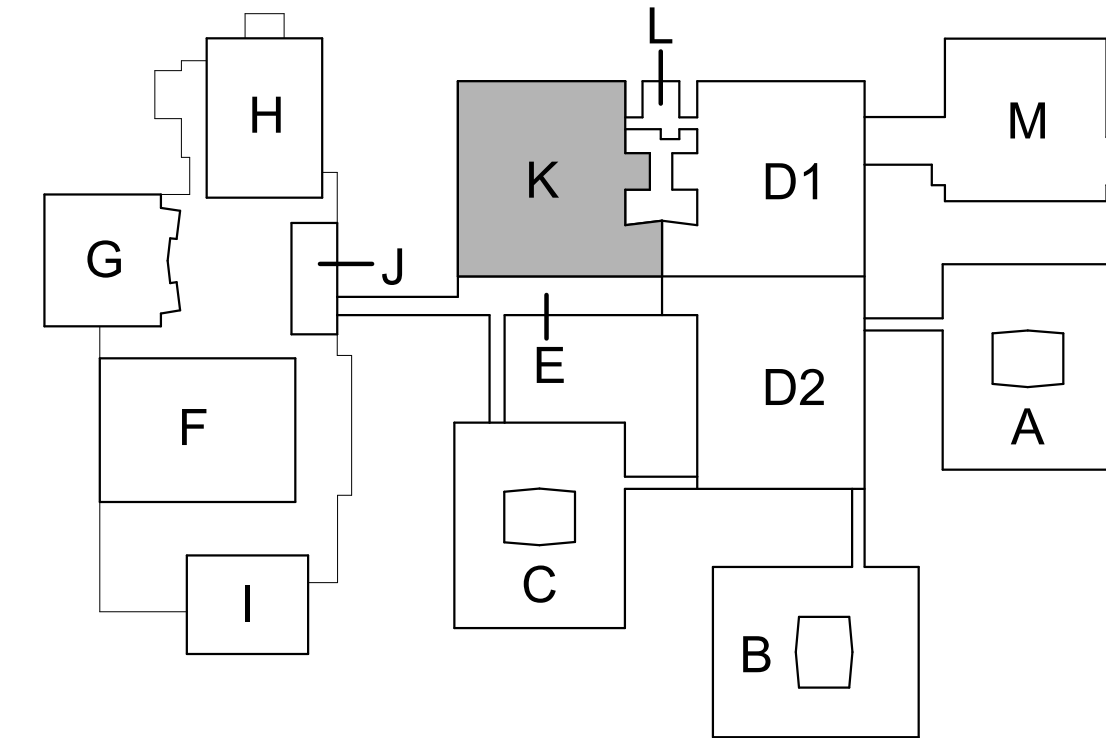
ELECTRICAL KEYED NOTES

- REMOVE EXISTING LIGHTING AND OCCUPANCY SENSORS AS REQUIRED FOR MECHANICAL CEILING DEMOLITION. REWORK CONDUITS AND JUNCTION BOXES AS REQUIRED. EXTEND AND REWORK EXISTING CIRCUITS AS REQUIRED TO REINSTALL EXISTING FIXTURES IN NEW CEILING. COORDINATE WITH MECHANICAL.
- REMOVE LIGHTING, LIGHTING CIRCUITS, CONDUIT, AND WIRE BACK TO NEAREST ACTIVE JUNCTION BOXES. NEW FIXTURES SHALL BE CONNECTED TO EXISTING ROOM LIGHTING CIRCUITS. REMOVE EXISTING SWITCHES AND ASSOCIATED LINE VOLTAGE WIRING. PROVIDE BARRIER BETWEEN LINE VOLTAGE AND LOW VOLTAGE WIRING AS REQUIRED FOR NEW CONSTRUCTION. CONNECT NEW LIGHTS TO ROOM LIGHTING CIRCUIT AT NEAREST JUNCTION BOX REMAINING FROM DEMOLITION. EXTEND AND REWORK EXISTING ROOM LIGHTING CIRCUIT AS REQUIRED. PROVIDE NEW LOW VOLTAGE SWITCHES IN PLACE OF EXISTING LINE VOLTAGE SWITCHES. PROVIDE NEW OCCUPANCY SENSOR CONTROL AS INDICATED.
- PROVIDE NEW CORRIDOR OCCUPANCY SENSOR, TIE INTO EXISTING CORRIDOR LIGHTING CIRCUIT. PROVIDE NEW FIXTURE WHERE INDICATED. TIE INTO CORRIDOR LIGHTING CIRCUIT WITH ELD CIRCUITED TIED TO EXISTING EMERGENCY LIGHTING PANEL.

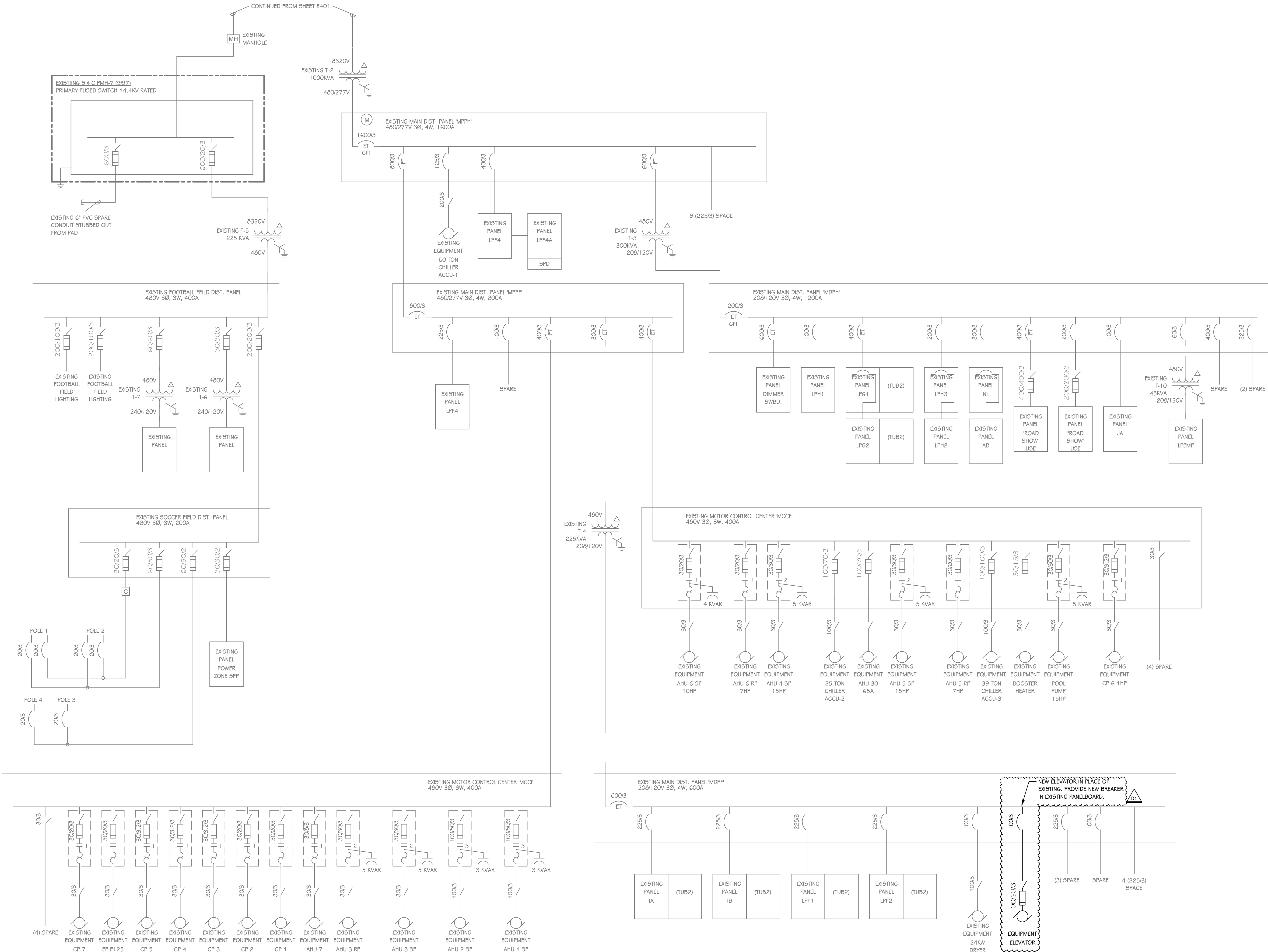


201 FIRST FLOOR LIGHTING PLAN - UNIT D2, K, M
3/32" = 1'-0"

LEVEL 1 - KEY PLAN



KEY PLAN
SCALE: NO SCALE



ONE LINE - PARTIAL #3
SCALE: NONE

SHEET TITLE
ELECTRICAL ONE LINE - PARTIAL #3

OWNER
KALAMAZOO PUBLIC SCHOOLS

PROJECT TITLE
LOY NORRIX HIGH SCHOOL MECHANICAL IMPROVEMENTS PROJECT

BULLETIN NO. 1
ISSUED FOR

December 16, 2024
DATE

DATE
SEPTEMBER 16, 2024

Kalamazoo, Michigan

ELECTRICAL PANEL FEEDER SCHEDULE									
DESCRIPTION	FED FROM	CURRENT (FLA)	DEMAND (FLA)	FEEDER				FEED VOLT DROP %	NOTES
				BREAKER / POLES	# OF SETS	WIRE	GROUND	EMT	
208 V									
KM	MDPK2	208 A	207 A	300 A / 3	2 SETS	4 #250 KCMIL	#1 GND.	3"	1.91%
MDPK2	MDPK	235 A	233 A	600 A / 3	2 SETS	4 #350 KCMIL	#1 GND.	3"	0.24%

ELECTRICAL HVAC FEEDER SCHEDULE										
DESCRIPTION	FED FROM	DISCONNECT MEANS	CURRENT (FLA)	BREAKER / POLES	# OF SETS	FEEDER			FEED VOLT DROP %	NOTES
						WIRE	GROUND	EMT		
480 V										
HVAC - ACCU-A1	PPD3	3Q/3 NEMA 3R NFD5	19 A	25 A / 3	1 SET	3 #10	#10 GND.	3/4"	2.51%	
HVAC - ACCU-B1	PPD3	3Q/3 NEMA 3R NFD5	18 A	25 A / 3	1 SET	3 #8	#8 GND.	3/4"	2.12%	
HVAC - ACCU-C1	PPD3	3Q/3 NEMA 3R NFD5	18 A	25 A / 3	1 SET	3 #8	#8 GND.	3/4"	2.68%	
HVAC - ACCU-M1	MCCDA	200/3 NEMA 3R NFD5	117 A	150 A / 3	1 SET	3 #10	#6 GND.	2"	2.41%	
HVAC - AHU-C1	PPD3	3Q/3 NFD5	8 A	15 A / 3	1 SET	3 #12	#12 GND.	3/4"	2.78%	
HVAC - AHU-K1 RF1	PPD3	3Q/3 NFD5	8 A	20 A / 3	1 SET	3 #12	#12 GND.	3/4"	1.27%	
HVAC - AHU-K1 RF2	PPD3	3Q/3 NFD5	8 A	20 A / 3	1 SET	3 #12	#12 GND.	3/4"	1.26%	
HVAC - AHU-K1 SF1	PPD3	3Q/3 NFD5	14 A	20 A / 3	1 SET	3 #12	#12 GND.	3/4"	2.27%	
HVAC - AHU-K1 SF2	PPD3	3Q/3 NFD5	14 A	20 A / 3	1 SET	3 #12	#12 GND.	3/4"	2.25%	
HVAC - AHU-L1	PPD3	3Q/3 NFD5	8 A	20 A / 3	1 SET	3 #12	#12 GND.	3/4"	1.13%	
HVAC - AHU-M1 SF1	PPD3	3Q/3 NFD5	14 A	20 A / 3	1 SET	3 #10	#10 GND.	3/4"	1.57%	
HVAC - AHU-M1 SF2	PPD3	3Q/3 NFD5	14 A	20 A / 3	1 SET	3 #10	#10 GND.	3/4"	1.60%	
HVAC - AHU-M2	PPD3	3Q/3 NFD5	8 A	20 A / 3	1 SET	4 #12	#12 GND.	3/4"	1.73%	
HVAC - P-K1	PPD3	3Q/3 NFD5	11 A	20 A / 3	1 SET	3 #12	#12 GND.	3/4"	1.84%	
HVAC - P-K2	PPD3	3Q/3 NFD5	11 A	20 A / 3	1 SET	3 #12	#12 GND.	3/4"	1.83%	
HVAC - P-K3	PPD3	3Q/3 NFD5	2 A	20 A / 3	1 SET	3 #12	#12 GND.	3/4"	0.32%	
HVAC - P-M1	PPD3	3Q/3 NFD5	2 A	20 A / 3	1 SET	3 #12	#12 GND.	3/4"	0.35%	
HVAC - P-M2	PPD3	3Q/3 NFD5	2 A	20 A / 3	1 SET	4 #12	#12 GND.	3/4"	0.36%	
HVAC - RTU-C1	PPD3	3Q/3 NFD5	16 A	20 A / 3	1 SET	3 #6	#6 GND.	1"	2.07%	
HVAC - RTU-M1	MCCDA	3Q/3 NFD5	16 A	20 A / 3	1 SET	3 #10	#10 GND.	3/4"	2.32%	
208 V										
HVAC - EHC-A1	LPA1	6Q/3 NFD5	30 A	40 A / 3	1 SET	3 #8	#10 GND.	3/4"	1.26%	
HVAC - EHC-C1	LPC1B	6Q/3 NFD5	30 A	40 A / 3	1 SET	3 #8	#10 GND.	3/4"	1.22%	
HVAC - ELEVATOR J	MDPF	100A/3P FDS	50 A	100 A / 3	1 SET	3 #3	#8 GND.	1 1/4"	0.66%	
HVAC - ELEVATOR K	KL	100A/3P FDS	50 A	100 A / 3	1 SET	3 #3	#8 GND.	1 1/4"	0.45%	
HVAC - VUV-27B	MDPK2	MANUFACTURER	27 A	45 A / 3	1 SET	3 #6	#6 GND.	1"	1.84%	
HVAC - VUV-313	KM	MANUFACTURER	18 A	30 A / 3	1 SET	3 #8	#8 GND.	3/4"	0.90%	
HVAC - VUV-324	KM	MANUFACTURER	18 A	30 A / 3	1 SET	3 #8	#8 GND.	3/4"	2.39%	
HVAC - VUV-421	KM	MANUFACTURER	27 A	45 A / 3	1 SET	3 #6	#6 GND.	1"	1.90%	
HVAC - VUV-K4	KL	MANUFACTURER	27 A	45 A / 3	1 SET	3 #6	#8 GND.	1"	2.00%	
HVAC - VUV-K5C	KL	MANUFACTURER	27 A	45 A / 3	1 SET	3 #6	#8 GND.	1"	2.39%	
HVAC - VUV-K5E	KL	MANUFACTURER	27 A	45 A / 3	1 SET	3 #6	#8 GND.	1"	2.04%	
HVAC - VUV-K5W	KL	MANUFACTURER	27 A	45 A / 3	1 SET	3 #6	#8 GND.	1"	2.73%	
HVAC - VUV-K6	KL	MANUFACTURER	27 A	45 A / 3	1 SET	3 #6	#8 GND.	1"	1.70%	
HVAC - VUV-K11	KM	MANUFACTURER	18 A	30 A / 3	1 SET	3 #10	#10 GND.	3/4"	2.37%	
HVAC - VUV-K12	KM	MANUFACTURER	18 A	30 A / 3	1 SET	3 #10	#10 GND.	3/4"	2.92%	
HVAC - VUV-K13	KM	MANUFACTURER	18 A	30 A / 3	1 SET	3 #8	#8 GND.	3/4"	2.21%	
HVAC - VUV-K14	KM	MANUFACTURER	18 A	30 A / 3	1 SET	3 #8	#8 GND.	3/4"	2.07%	
HVAC - VUV-K15	KM	MANUFACTURER	18 A	30 A / 3	1 SET	3 #10	#10 GND.	3/4"	2.80%	
HVAC - VUV-K16	KM	MANUFACTURER	18 A	30 A / 3	1 SET	3 #10	#10 GND.	3/4"	2.22%	
HVAC - VUV-K17	KM	MANUFACTURER	27 A	45 A / 3	1 SET	3 #8	#10 GND.	3/4"	2.33%	
HVAC - VUV-M1A	MM	MANUFACTURER	27 A	45 A / 3	1 SET	3 #6	#6 GND.	1"	2.03%	
HVAC - VUV-M3	MM	MANUFACTURER	19 A	30 A / 3	1 SET	3 #10	#10 GND.	3/4"	1.78%	
HVAC - VUV-M3A	MM	MANUFACTURER	24 A	40 A / 3	1 SET	3 #6	#6 GND.	1"	2.17%	
HVAC - VUV-M3B	MM	MANUFACTURER	24 A	40 A / 3	1 SET	3 #6	#6 GND.	1"	2.76%	
HVAC - VUV-M6	MM	MANUFACTURER	19 A	30 A / 3	1 SET	3 #8	#8 GND.	3/4"	2.40%	
HVAC - VUV-M10	MM	MANUFACTURER	19 A	30 A / 3	1 SET	3 #8	#8 GND.	3/4"	1.00%	
HVAC - VUV-M11	MM	MANUFACTURER	19 A	30 A / 3	1 SET	3 #10	#10 GND.	3/4"	1.71%	
HVAC - VUV-M12A	MM	MANUFACTURER	24 A	40 A / 3	1 SET	3 #8	#10 GND.	3/4"	2.53%	
HVAC - VUV-M12B	MM	MANUFACTURER	24 A	40 A / 3	1 SET	3 #6	#8 GND.	1"	2.15%	
HVAC - VUV-M13	MM	MANUFACTURER	24 A	40 A / 3	1 SET	3 #6	#8 GND.	1"	2.20%	
208 V										
HVAC - ACCU-203	LPC3	3Q/3 NEMA 3R NFD5	13 A	20 A / 2	1 SET	3 #8	#8 GND.	3/4"	1.51%	
HVAC - ACCU-205	LPC3	3Q/3 NEMA 3R NFD5	15 A	25 A / 2	1 SET	3 #8	#8 GND.	3/4"	2.44%	
HVAC - ACCU-212	LPC3	3Q/3 NEMA 3R NFD5	15 A	25 A / 2	1 SET	3 #8	#8 GND.	3/4"	2.02%	
HVAC - ACCU-C10A	LPC3	3Q/3 NEMA 3R NFD5	18 A	30 A / 2	1 SET	3 #8	#10 GND.	3/4"	1.62%	
HVAC - ACCU-C10B	LPC3	3Q/3 NEMA 3R NFD5	18 A	30 A / 2	1 SET	3 #8	#10 GND.	3/4"	1.88%	
HVAC - ACCU-C12	LPC3	3Q/3 NEMA 3R NFD5	18 A	30 A / 2	1 SET	3 #6	#8 GND.	1"	1.47%	
HVAC - ACCU-C13	LPC3	6Q/3 NEMA 3R NFD5	30 A	45 A / 2	1 SET	3 #4	#4 GND.	1 1/4"	1.78%	
HVAC - ACCU-C14	LPC3	3Q/3 NEMA 3R NFD5	18 A	30 A / 2	1 SET	3 #6	#6 GND.	1"	2.09%	
HVAC - ACCU-C15	LPC3	3Q/3 NEMA 3R NFD5	18 A	30 A / 2	1 SET	3 #6	#8 GND.	1"	2.36%	
HVAC - ACCU-C16	LPC3	6Q/3 NEMA 3R NFD5	30 A	45 A / 2	1 SET	3 #4	#4 GND.	1 1/4"	2.94%	
HVAC - ACCU-C19A	LPC3	3Q/3 NEMA 3R NFD5	18 A	30 A / 2	1 SET	3 #6	#6 GND.	1"	2.10%	
HVAC - ACCU-C19B	LPC3	3Q/3 NEMA 3R NFD5	18 A	30 A / 2	1 SET	3 #8	#8 GND.	3/4"	2.79%	
HVAC - ACCU-C21A	LPC3	6Q/3 NEMA 3R NFD5	30 A	45 A / 2	1 SET	3 #6	#8 GND.	1"	2.93%	
HVAC - ACCU-C21B	LPC3	6Q/3 NEMA 3R NFD5	30 A	45 A / 2	1 SET	3 #6	#8 GND.	1"	2.83%	
HVAC - ACCU-C21C	LPC3	6Q/3 NEMA 3R NFD5	30 A	45 A / 2	1 SET	3 #6	#8 GND.	1"	2.75%	
HVAC - ACCU-C23	LPC3	6Q/3 NEMA 3R NFD5	30 A	45 A / 2	1 SET	3 #6	#8 GND.	1"	1.45%	
HVAC - CR-K1	KL	3Q/3 NFD5	8 A	20 A / 2	1 SET	3 #12	#12 GND.	3/4"	1.10%	
HVAC - EF-C1	LPC2	3Q/3 NEMA 3R NFD5	7 A	20 A / 2	1 SET	3 #12	#12 GND.	3/4"	0.61%	
HVAC - EF-K6	KM	3Q/3 NEMA 3R NFD5	7 A	20 A / 2	1 SET	3 #12	#12 GND.	3/4"	1.41%	
HVAC - EF-K8	KM	3Q/3 NEMA 3R NFD5	7 A	20 A / 2	1 SET	3 #12	#12 GND.	3/4"	1.50%	
HVAC - EF-M1	MM	3Q/3 NEMA 3R NFD5	7 A	20 A / 2	1 SET	3 #10	#10 GND.	3/4"	2.77%	
HVAC - EF-M2	MM	3Q/3 NEMA 3R NFD5	7 A	20 A / 2	1 SET	3 #12	#12 GND.	3/4"	2.89%	
HVAC - HUV-203	LPC3	MANUFACTURER	6 A	20 A / 2	1 SET	3 #12	#12 GND.	3/4"	1.43%	
HVAC - HUV-205	LPC3	MANUFACTURER	3 A	20 A / 2	1 SET	3 #12	#12 GND.	3/4"	1.37%	
HVAC - HUV-212	LPC3	MANUFACTURER	6 A	20 A / 2	1 SET	3 #12	#12 GND.	3/4"	1.96%	
HVAC - HUV-C10A	LPC3	MANUFACTURER	3 A	20 A / 2	1 SET	3 #12	#12 GND.	3/4"	0.51%	
HVAC - HUV-C10B	LPC3	MANUFACTURER	3 A	20 A / 2	1 SET	3 #12	#12 GND.	3/4"	0.67%	
HVAC - HUV-C12	LPC3	MANUFACTURER	3 A	20 A / 2	1 SET	3 #12	#12 GND.	3/4"	0.85%	
HVAC - HUV-C13	LPC3	MANUFACTURER	3 A	20 A / 2	1 SET	3 #12	#12 GND.	3/4"	1.06%	
HVAC - HUV-C14	LPC3	MANUFACTURER	3 A	20 A / 2	1 SET	3 #12	#12 GND.	3/4"	1.44%	
HVAC - HUV-C15	LPC3	MANUFACTURER	3 A	20 A / 2	1 SET	3 #12	#12 GND.	3/4"	1.59%	
HVAC - HUV-C16	LPC3	MANUFACTURER	3 A	20 A / 2	1 SET	3 #12	#12 GND.	3/4"	1.88%	
HVAC - HUV-C19A	LPC3	MANUFACTURER	7 A	20 A / 2	1 SET	3 #12	#12 GND.	3/4"	2.75%	
HVAC - HUV-C21A	LPC3	MANUFACTURER	3 A	20 A / 2	1 SET	3 #12	#12 GND.	3/4"	1.17%	
HVAC - HUV-C21B	LPC3	MANUFACTURER	3 A	20 A / 2	1 SET	3 #12	#12 GND.	3/4"	1.03%	
HVAC - HUV-C21C	LPC3	MANUFACTURER	3 A	20 A / 2	1 SET	3 #12	#12 GND.	3/4"	0.85%	
HVAC - HUV-C23	LPC3	MANUFACTURER	3 A	20 A / 2	1 SET	3 #12	#12 GND.	3/4"	0.53%	

BULLETIN NO. 1
ADDENDUM NO. 2

December 16, 2024
November 5, 2024

ISSUED FOR

DATE

PROJECT TITLE

LOY NORRIX HIGH SCHOOL MECHANICAL IMPROVEMENTS PROJECT

OWNER

KALAMAZOO PUBLIC SCHOOLS

Kalamazoo, Michigan

SHEET TITLE

ELECTRICAL FEEDER SCHEDULES

SHEET NUMBER

E 405

21-807.00

DATE

SEPTEMBER 16, 2024

LIGHT FIXTURE SCHEDULE					
TYPE	DESCRIPTION	MOUNTING	DRIVER	MANUFACTURER	NOTES
CA	6" DOWNLIGHT	RECESSED	0-10V	GOTHAM #EVO6-40K-2000LM-AR-15S-UNV-MD-GZ10	1, 2, 3
HA	1x4 WRAP	SURFACE	0-10V	KENALL #MLHA8-48-R-MW-PP-45L40K-120V-FS-PH	1, 2, 3
HA	INDUSTRIAL	SURFACE / CABLE	0-10V	KENALL #MLHA8-48-R-MW-PP-45L40K-120V-FS-PH	1, 2, 3
HA	1x4 WRAP	SURFACE	0-10V	KENALL #MLHA8-48-R-MW-PP-45L40K-120V-FS-PH-LEL	1, 2, 3
IA	INDUSTRIAL	SURFACE / CABLE	0-10V	LITHONIA #ZL1D-L48-5000LM-FST-MVOLT-40K-80CRI-WH	1, 2, 3
IB	INDUSTRIAL	SURFACE / CABLE	0-10V	LITHONIA #ZL1D-L48-7000LM-FST-MVOLT-40K-80CRI-WH	1, 2, 3
IC	INDUSTRIAL	SURFACE / CABLE	0-10V	LITHONIA #ZL1D-L24-2000LM-FST-MVOLT-40K-80CRI-WH	1, 2
RA	2x2 TROFFER	RECESSED	0-10V	FINELITE #HPR-A-2X2-DCO-B-840-120V-5C-C1	1, 2, 3
RB	2x2 TROFFER	RECESSED	0-10V	FINELITE #HPR-A-2X2-DCO-H-840-120V-5C-C1	1, 2, 3
RC	1x4 TROFFER	RECESSED	0-10V	FINELITE #HPR-A-1X4-DCO-B-840-120V-5C-C1	1, 2, 3
T	LED TRACK HEAD	TRACK	0-10V	JUNO #TL114-G2-(COLOR TEMP)-90CRI-NFL-(COLOR)	1, 2
T6	ARCHITECTURAL TRACK	SURFACE	0-10V	JUNO SINGLE CKT TRACK - 6'	1, 2
U	LED WALL PACK	WALL			1, 2, 3
X1	EXIT SIGN - SINGLE FACE	UNIVERSAL		LITHONIA #LQC-W-1-R	1, 2
X2	EXIT SIGN - DOUBLE FACE	UNIVERSAL		LITHONIA #LQC-W-2-R	1, 2

- 1 ALL LED FIXTURES TO HAVE WARRANTY TO MEET OR EXCEED WARRANTY INCLUDED IN BASIS OF DESIGN. FIXTURES LISTED AS EQUALS SHALL MEET DELIVERED LUMENS, CRI, EFFICACY AND OPTIONS OF THAT SPECIFIED. REFER TO SPECIFICATIONS 265100 AND 265600 FOR ADDITIONAL REQUIREMENTS.
- 2 THE MOUNTING DESCRIPTION IS GENERAL. REFER TO SHOP DRAWINGS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR SPECIFIC MOUNTING DETAILS.
- 3 FIXTURES WITH THE CENTER CIRCLE SHADED SHALL BE CONNECTED TO EMERGENCY POWER. FIXTURES WITH CENTER CIRCLE SHADED THAT ARE SWITCHED SHALL BE PROVIDED WITH BODINE "ELD" TRANSFER DEVICE. FOR INDIVIDUAL FIXTURES DEVICE SHALL BE MOUNTED INTERNAL TO THE FIXTURE. PROVIDE LABEL ON INSIDE OF FIXTURE INDICATING FED FROM MULTIPLE CIRCUITS. WHERE DEVICE CANNOT BE MOUNTED INSIDE OF FIXTURE, MOUNT ADJACENT TO FIXTURE IN ACCESSIBLE CEILING SPACE.

BULLETIN NO. 1 December 16, 2024

ISSUED FOR DATE

PROJECT TITLE
LOY NORRIX HIGH
SCHOOL MECHANICAL
IMPROVEMENTS
PROJECT

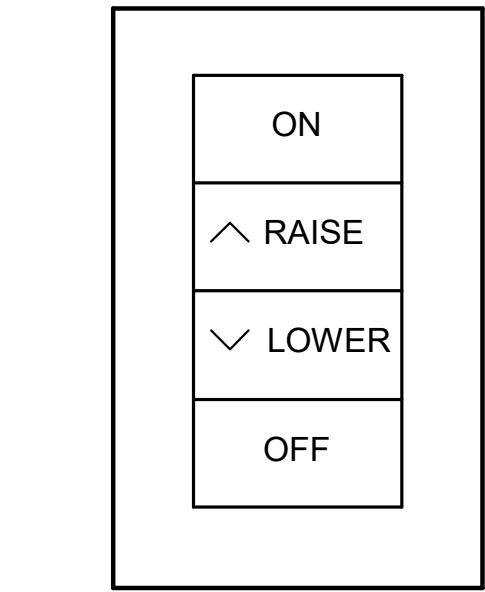
OWNER
KALAMAZOO PUBLIC
SCHOOLS

Kalamazoo, Michigan

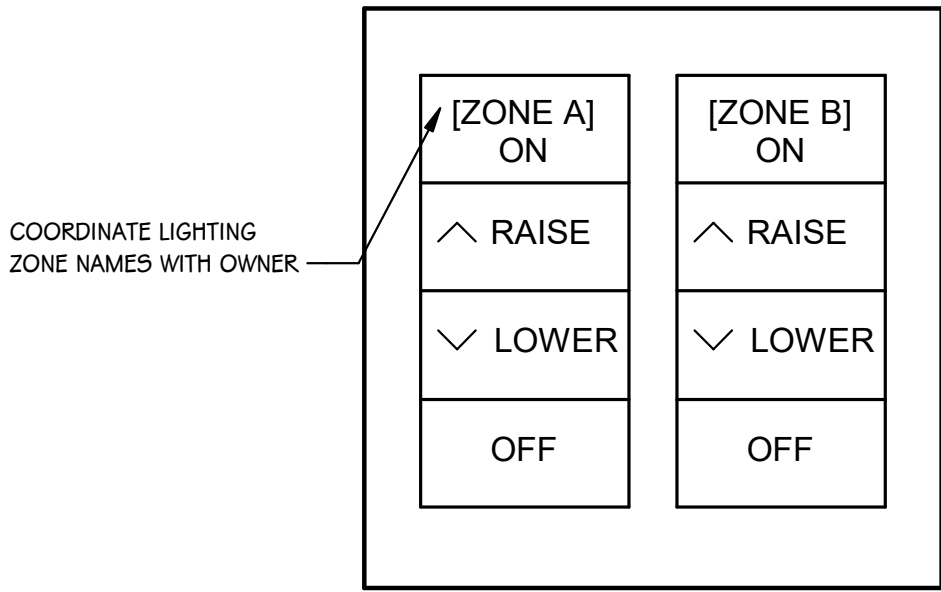
SHEET TITLE
ELECTRICAL LIGHTING DETAILS

DATE
SEPTEMBER 16, 2024

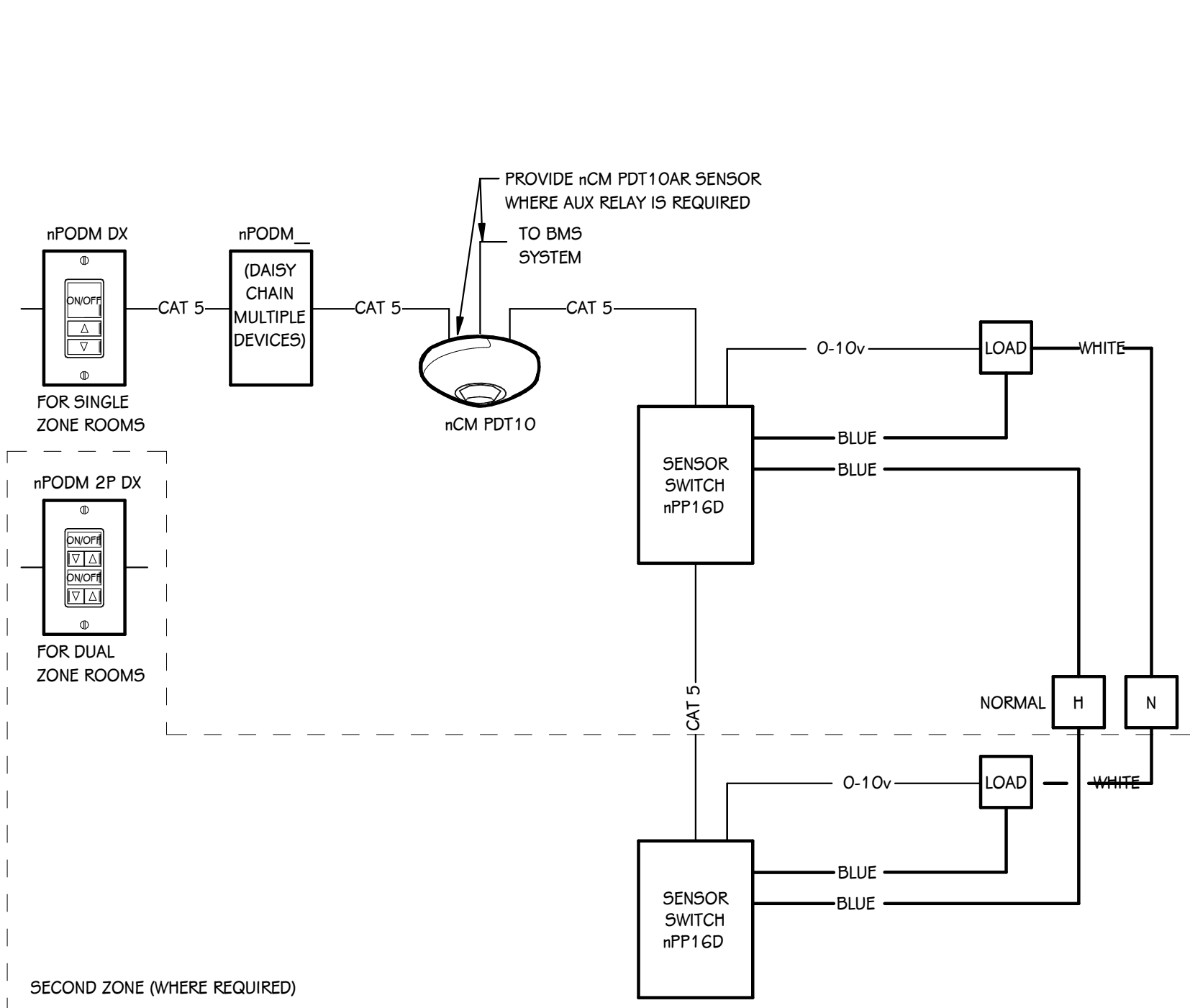
SHEET NUMBER
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21-807.00



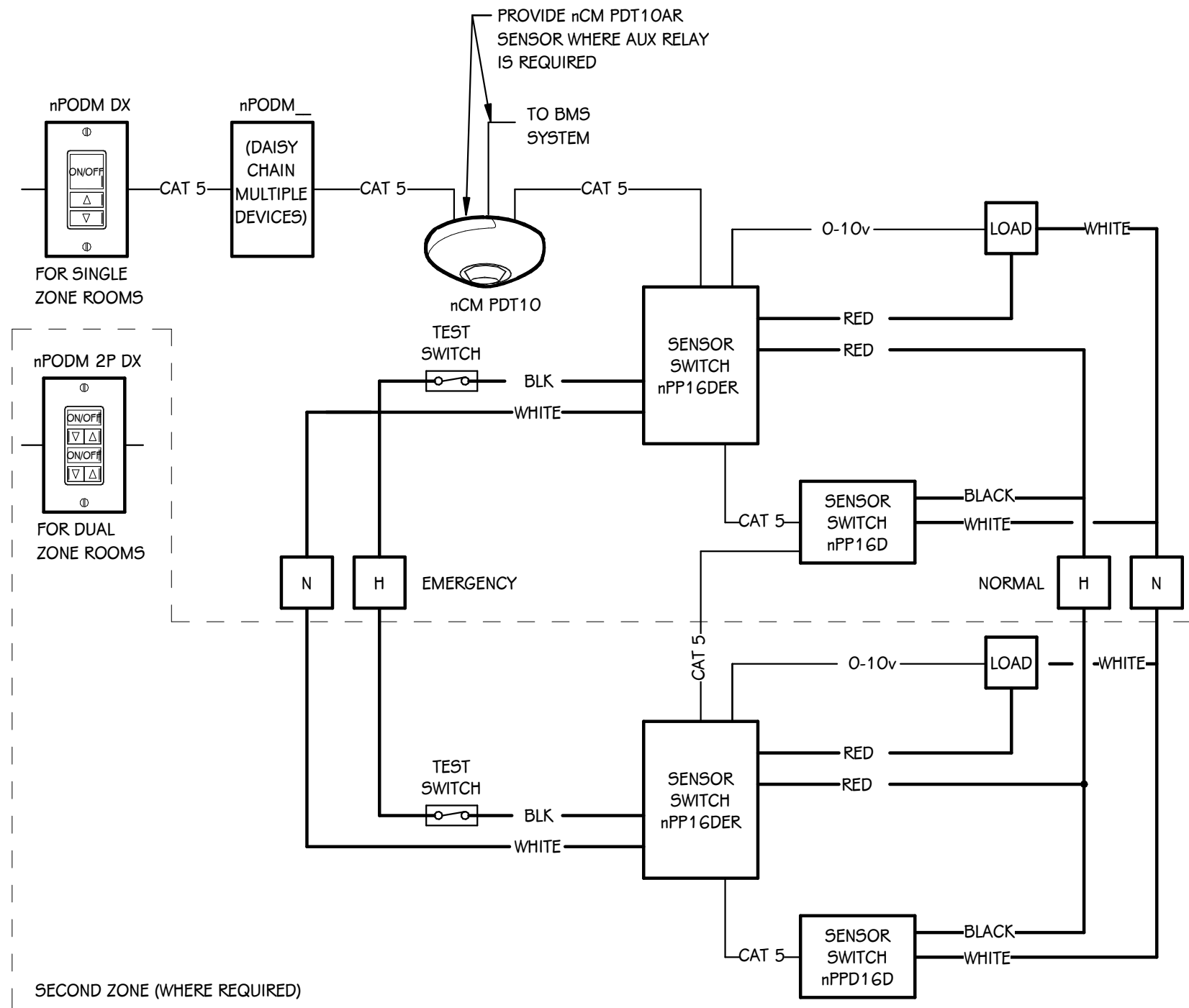
SINGLE ZONE
DIMMING CONTROLLER
SCALE: NONE



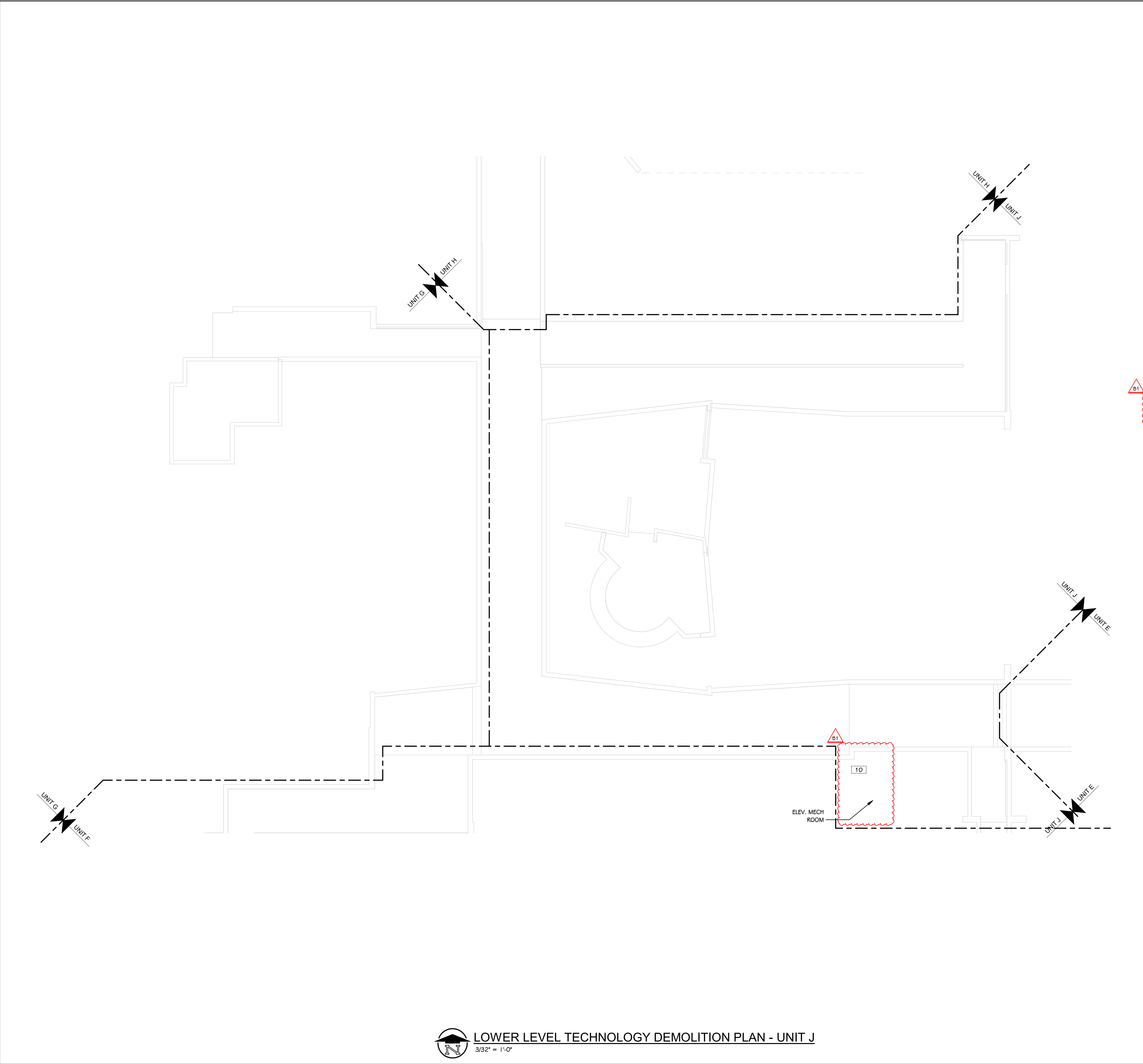
DUAL ZONE
DIMMING CONTROLLER
SCALE: NONE



OCCUPANCY SENSOR WIRING DIAGRAM
SCALE: NONE



EMERGENCY
OCCUPANCY SENSOR WIRING DIAGRAM
SCALE: NONE



- TECHNOLOGY DEMOLITION KEYED NOTES
- 1

REMOVE CLASSROOM AV SPEAKERS FROM CEILING. DOCUMENT TAP WATTAGE AND LOCATION. DELIVER TO KPS TECHNOLOGY SERVICES LOCATED AT: 600 W. VINE ST., KALAMAZOO, MI 49008.
- 2

REMOVE PAGING SPEAKER FROM CEILING. DOCUMENT THE SPEAKER TAP WATTAGE AND ASSOCIATED ROOM NUMBER. DELIVER SPEAKERS TO KPS TECHNOLOGY SERVICES LOCATED AT: 600 W. VINE ST., KALAMAZOO, MI 49008. THIS LOCATION SHALL HAVE A NEW PAGING SPEAKER INSTALLED.
- 3

REMOVE WIRELESS ACCESS POINT FROM CEILING. DOCUMENT MAC ADDRESS, DATA CABLE NUMBER, ASSOCIATED ROOM NUMBER, AND LOCATION. DELIVER TO KPS TECHNOLOGY SERVICES LOCATED AT: 600 W. VINE ST., KALAMAZOO, MI 49008.
- 4

REMOVE SECURITY CAMERA, DOCUMENT MAC ADDRESS, DATA CABLE NUMBER, AND LOCATION. OBTAIN SCREEN SHOTS OF CAMERA VIEWS FROM KPS TECHNOLOGY SERVICES PRIOR TO REMOVAL. DELIVER TO KPS TECHNOLOGY SERVICES LOCATED AT: 600 W. VINE ST., KALAMAZOO, MI 49008.
- 5

REMOVE PROJECTOR AND COIL CABLES ABOVE CEILING TO BE USED AFTER NEW CEILING IS INSTALLED, DOCUMENT MAC ADDRESS, DATA CABLE NUMBER, AND ASSOCIATED ROOM NUMBER. DELIVER TO KPS TECHNOLOGY SERVICES LOCATED AT: 600 W. VINE ST., KALAMAZOO, MI 49008.
- 6

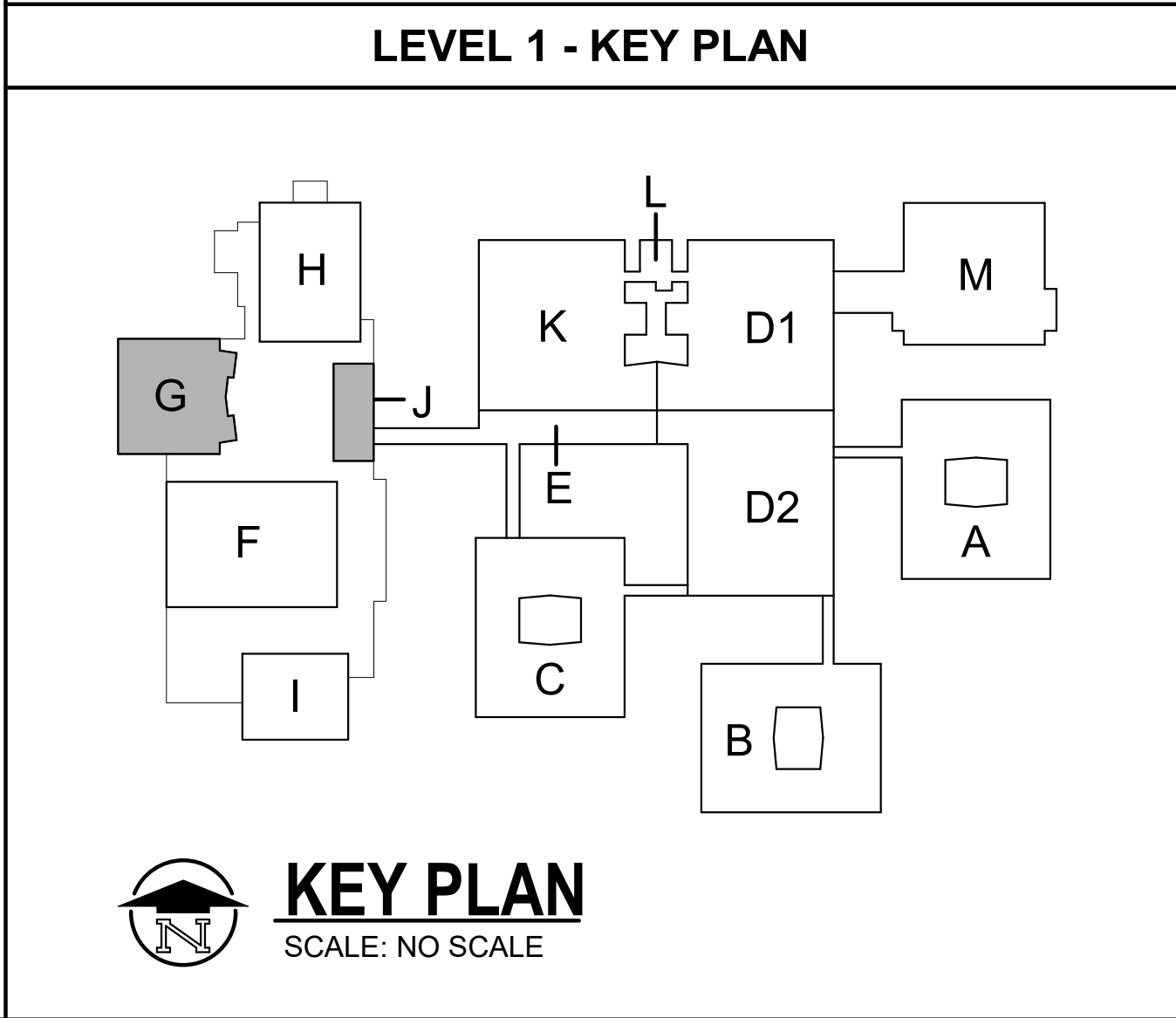
REMOVE CLOCK AND DOCUMENT ASSOCIATED ROOM NUMBER. CLOCK SHALL BE REINSTALLED AFTER NEW CEILING IS INSTALLED. DELIVER TO KPS TECHNOLOGY SERVICES LOCATED AT: 600 W. VINE ST., KALAMAZOO, MI 49008.
- 7

REMOVE ANY UNDOCUMENTED SECURITY CAMERAS FROM CORRIDOR CEILING THAT MAY INTERFERE WITH CEILING REMOVAL. DOCUMENT MAC ADDRESS, DATA CABLE NUMBER, AND LOCATION. OBTAIN SCREENSHOTS OF CAMERA VIEWS FROM KPS TECHNOLOGY SERVICES PRIOR TO REMOVAL. DELIVER TO KPS TECHNOLOGY SERVICES LOCATED AT: 600 W. VINE ST., KALAMAZOO, MI 49008.
- 8

REMOVE ANY UNDOCUMENTED DEVICES FROM CEILING THAT MAY INTERFERE WITH CEILING REMOVAL. DOCUMENT MAC ADDRESS, DATA CABLE NUMBER, AND LOCATION. DEVICES MAY INCLUDE BUT ARE NOT LIMITED TO: PROJECTORS, PROJECTOR MOUNTS, AV SPEAKERS, PAGING SPEAKERS, WIRELESS ACCESS POINTS, AND CLOCKS. DELIVER TO KPS TECHNOLOGY SERVICES LOCATED AT: 600 W. VINE ST., KALAMAZOO, MI 49008.
- 9

DISCONNECT AV SPEAKER WIRING AND REMOVE FROM PIPE THAT IT IS CURRENTLY RUN THROUGH. PIPE SYSTEM IS TO BE DEMOLISHED.
- B1

10 SECURITY CONTRACTOR SHALL REMOVE ALL EXISTING DATA CABLING FROM EXISTING CARD READERS, CAMERAS, AND PHONE CONNECTIONS. TRACE TO SOURCE AND REMOVE. RETURN HARDWARE TO OWNER.
- THIS DRAWING SHEET IS INTENDED TO BE PLOTTED IN COLOR. IF THIS TEXT APPEARS IN BLACK AND WHITE, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING



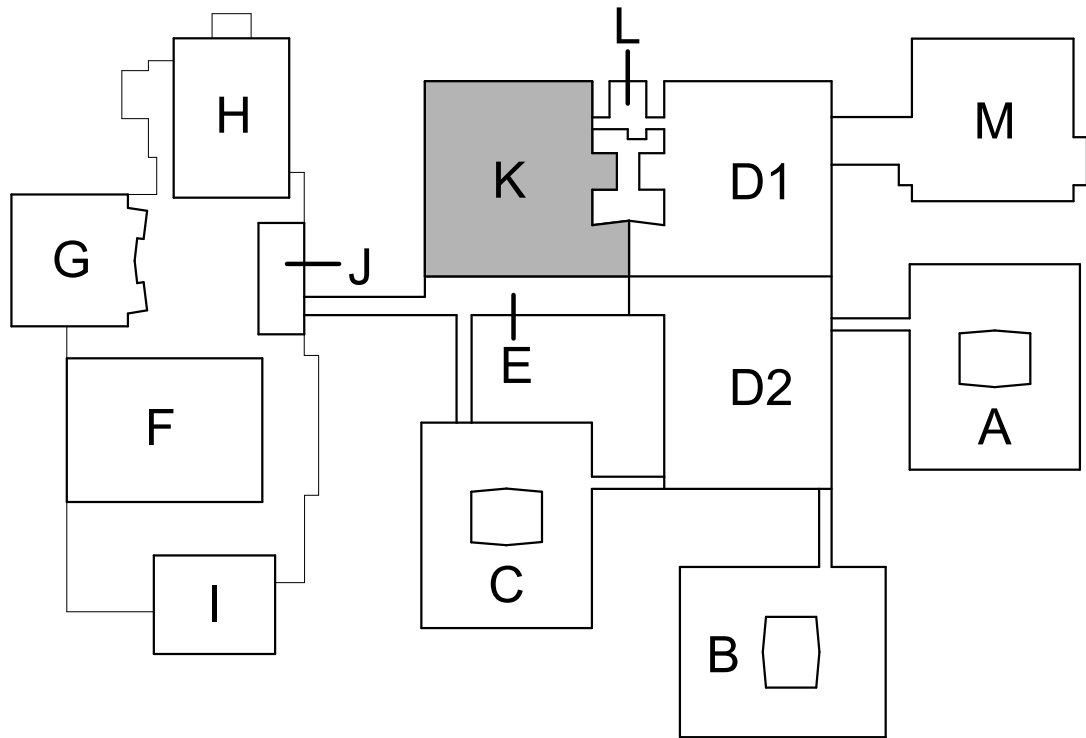


TECHNOLOGY DEMOLITION KEYED NOTES

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LEVEL 1 - KEY PLAN



KEY PLAN
SCALE: NO SCALE

BULLETIN NO. 1 December 16, 2024

ISSUED FOR DATE

PROJECT TITLE
LOY NORRIS HIGH SCHOOL MECHANICAL IMPROVEMENTS PROJECT

OWNER
KALAMAZOO PUBLIC SCHOOLS

Kalamazoo, Michigan

SHEET TITLE
LOWER LEVEL TECHNOLOGY DEMOLITION PLAN - UNIT K

DATE
SEPTEMBER 16, 2024

SHEET NUMBER
TD 100K
21-807.00

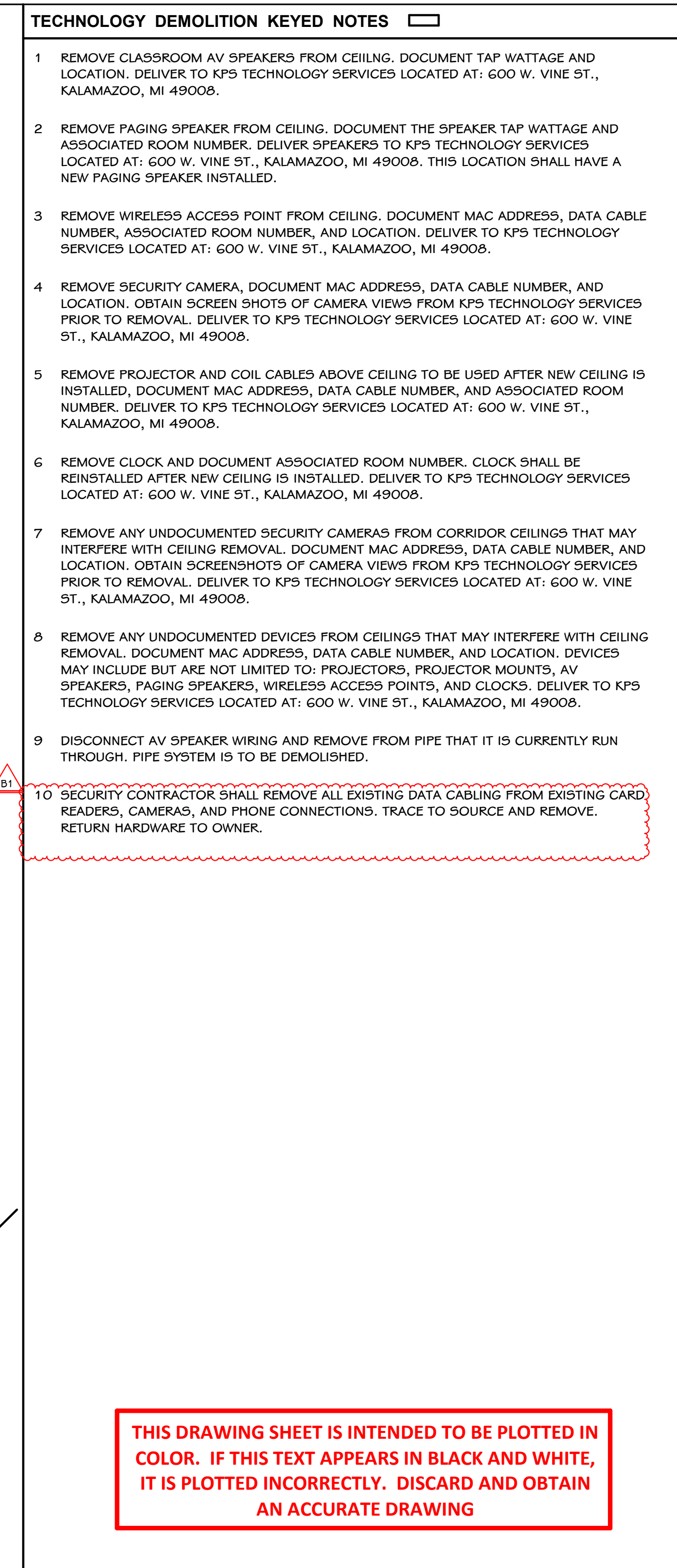


LOWER LEVEL TECHNOLOGY DEMOLITION PLAN - UNIT K
3/32" = 1'-0"

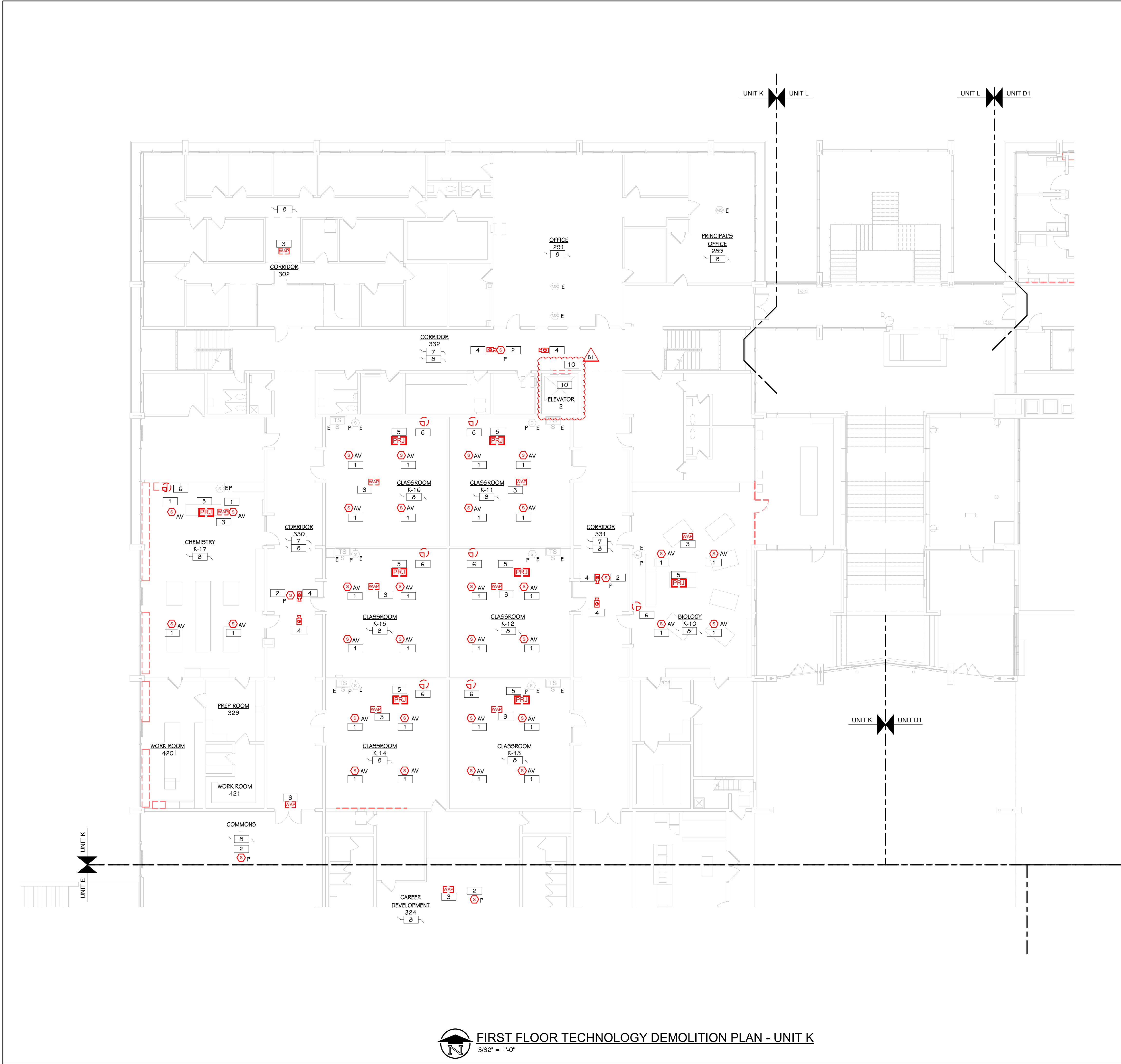
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Architecture · Engineering · Interiors

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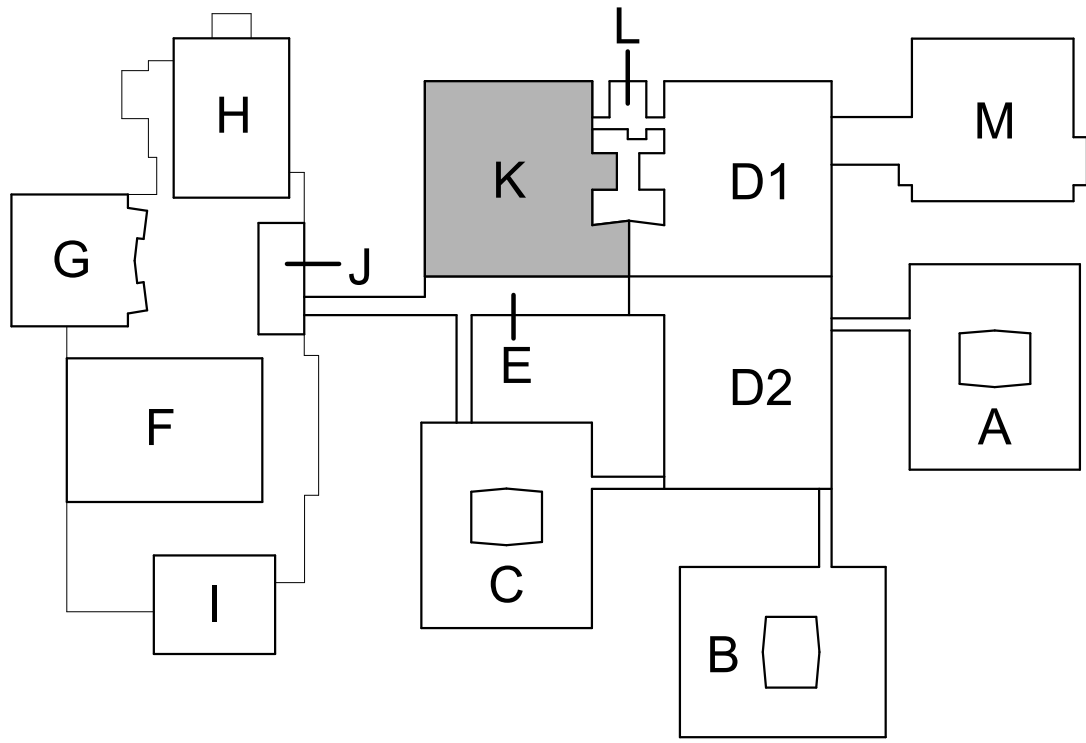
KEY PLAN
SCALE: NO SCALE



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LEVEL 1 - KEY PLAN



KEY PLAN
SCALE: NO SCALE

BULLETIN NO. 1 December 16, 2024

ISSUED FOR DATE

PROJECT TITLE
LOY NORRIS HIGH
SCHOOL MECHANICAL
IMPROVEMENTS
PROJECT

OWNER
KALAMAZOO PUBLIC
SCHOOLS

Kalamazoo, Michigan

SHEET TITLE
FIRST FLOOR TECHNOLOGY
DEMOLITION PLAN - UNIT K

DATE
SEPTEMBER 16, 2024

SHEET NUMBER
TD 101K
21-807.00

TowerPinkster

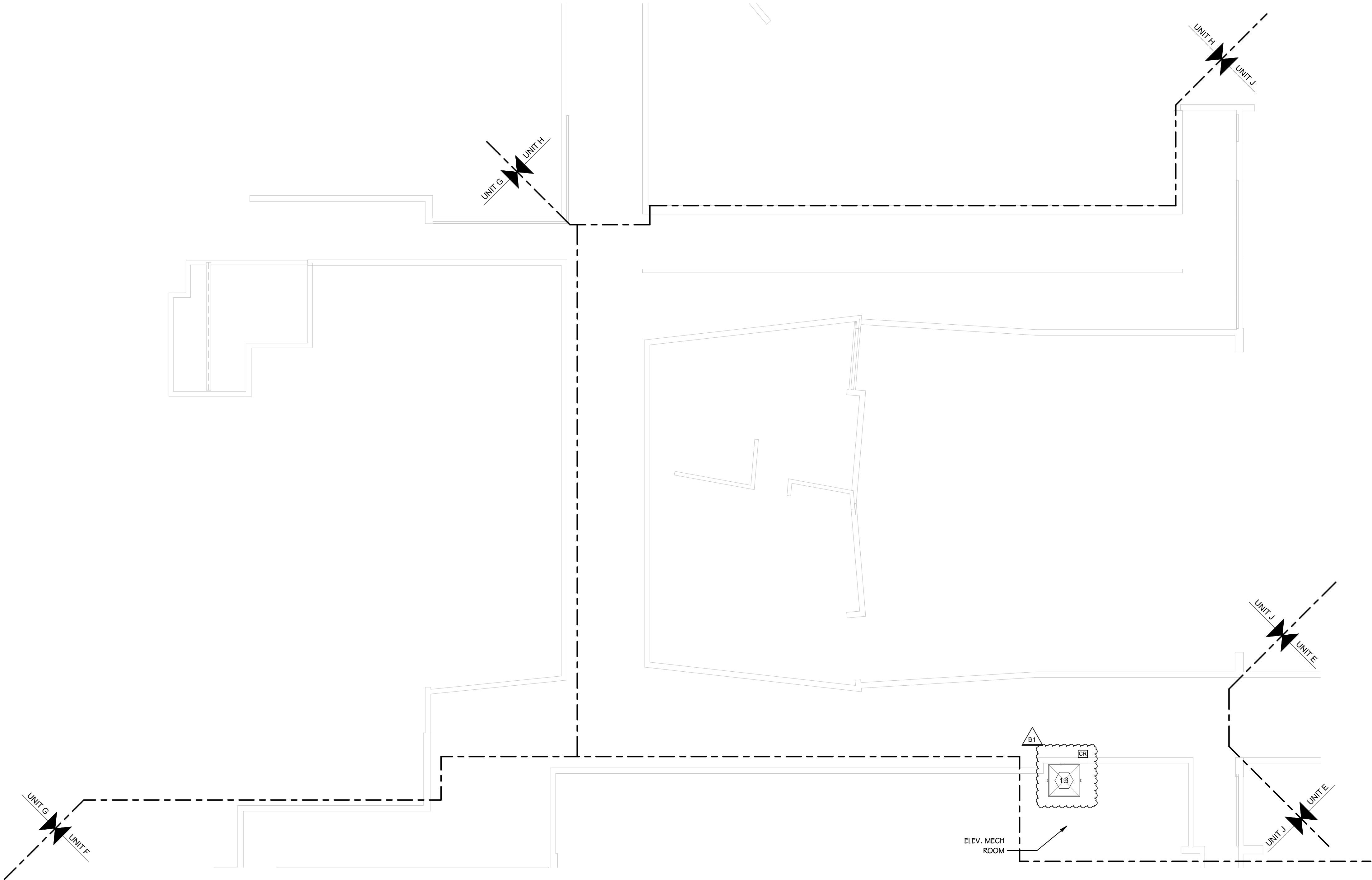
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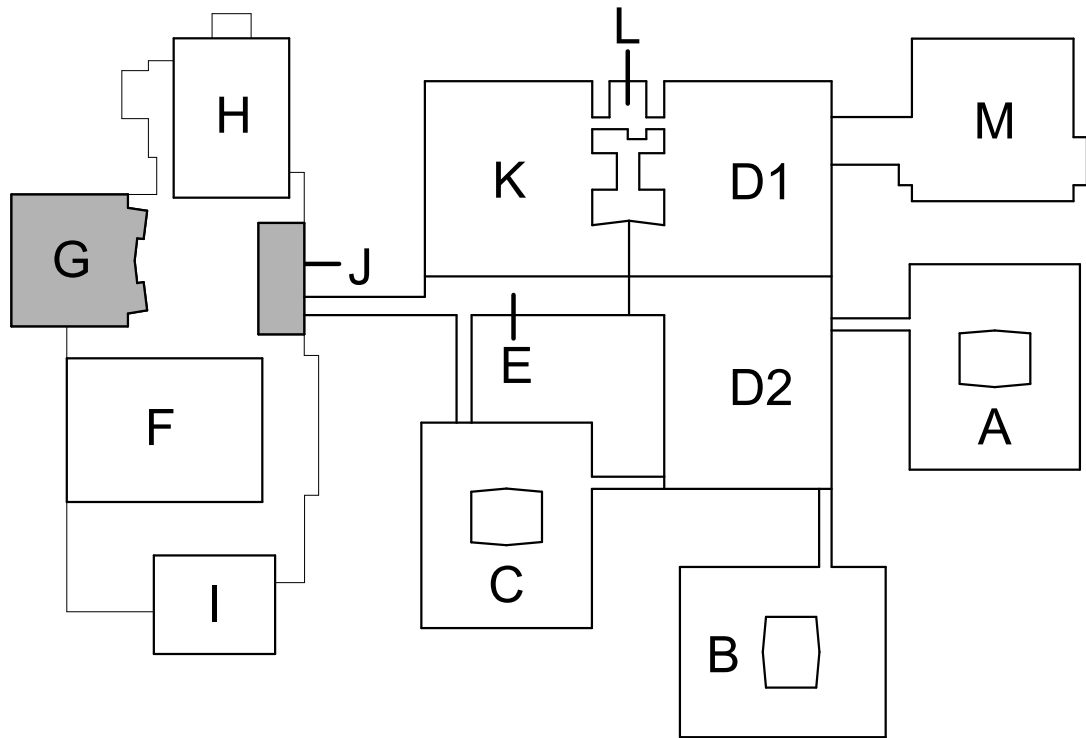


FIRST FLOOR TECHNOLOGY DEMOLITION PLAN - UNIT K
3/32" = 1'-0"



- TECHNOLOGY KEYED NOTES** ○
- 1 RETRIEVE AV SPEAKERS FROM KPS TECHNOLOGY SERVICES LOCATED AT: 600 W. VINE ST., KALAMAZOO, MI 49008. INSTALL SPEAKERS THAT WERE REMOVED DURING DEMO PHASE. PAGING SYSTEM SPEAKER CENTERED IN SPACE, EQUALLY SPACING AV SPEAKERS IN ROOM FOR BEST STUDENT SEATING COVERAGE.
 - 2 REMOVE PLASTIC FROM WALL MOUNTED CABINET, CLEAN ALL DUST AND DEBRIS FROM CABINET (INSIDE AND OUT) AND NETWORK EQUIPMENT.
 - 3 RETRIEVE WIRELESS ACCESS POINT FROM KPS TECHNOLOGY SERVICES LOCATED AT: 600 W. VINE ST., KALAMAZOO, MI 49008. INSTALL WIRELESS ACCESS POINTS BACK WHERE THEY WERE REMOVED FROM CEILING. DOCUMENT MAC ADDRESS, DATA CABLE NUMBER, AND ASSOCIATED ROOM NUMBER.
 - 4 RETRIEVE CAMERAS FROM KPS TECHNOLOGY SERVICES LOCATED AT: 600 W. VINE ST., KALAMAZOO, MI 49008. INSTALL SECURITY CAMERAS THAT WERE REMOVED DURING DEMO PHASE. COORDINATE WITH OWNERS FOR CAMERA COVERAGE. PULL NEW DATA CABLE IF CABLE DOES NOT REACH NEW LOCATION.
 - 5 RETRIEVE PROJECTORS FROM KPS TECHNOLOGY SERVICES LOCATED AT: 600 W. VINE ST., KALAMAZOO, MI 49008. INSTALL PROJECTORS THAT WERE REMOVED DURING DEMO PHASE. CENTER ON WHITEBOARDS/PROJECTOR SCREENS. RECONNECT CABLES THAT WERE DISCONNECTED AND TEST AV SYSTEM FOR COMPLETE FUNCTIONALITY.
 - 6 INSTALL NEW PAGING SPEAKERS USING EXISTING CABLING.
 - 7 ROUTE RELEASE BUTTON AND LOCKDOWN BUTTON CABLING DOWN VERTICAL RACEWAY TO FINAL LOCATION AT RECEPTION'S DESK.
 - 8 ROUTE RELEASE BUTTON AND LOCKDOWN BUTTON TO PRINCIPAL'S DESK.
 - 9 REINSTALL PRODUCTS THAT WERE REMOVED DURING DEMOLITION. RETRIEVE FROM KPS TECHNOLOGY SERVICES LOCATED AT: 600 W. VINE ST., KALAMAZOO, MI 49008. THIS INCLUDES, BUT IS NOT LIMITED TO: AV SPEAKERS, PAGING SPEAKERS, PROJECTORS, WIRELESS ACCESS POINTS AND SECURITY CAMERAS. DOCUMENT CABLE IDS AND MAC ADDRESSES, AND RETURN PRODUCT TO KPS TECHNOLOGY SERVICES.
 - 10 RETREIVE CLOCKS FROM KPS TECHNOLOGY SERVICES LOCATED AT: 600 W. VINE ST., KALAMAZOO, MI 49008. INSTALL CLOCKS THAT WERE REMOVED DURING DEMO PHASE.
 - 11 REINSTALL ANY UNDOCUMENTED DEVICES THAT WERE REMOVED DURING DEMOLITION. THESE DEVICES INCLUDE BUT ARE NOT LIMITED TO: PROJECTORS, PROJECTOR MOUNTS, AV SPEAKERS, WIRELESS ACCESS POINTS, AND CLOCKS. RETRIEVE DEVICES FROM KPS TECHNOLOGY SERVICES LOCATED AT: 600 W. VINE ST., KALAMAZOO, MI 49008.
 - 12 RECONNECT AV SPEAKERS. NEW WIRING AND CONDUIT MAY BE REQUIRED.
 - 13 CAMERA AND FOBS SHALL BE SUPPLIED BY SECURITY CONTRACTOR. INSTALLATION OF CAMERAS AND FOBS SHALL BE BY ELEVATOR CONTRACTOR. SECURITY CONTRACTOR SHALL COORDINATE WITH ELEVATOR CONTRACTOR AND GC.
 - 14 CAMERAS AND FOBS SHALL HAVE A DEDICATED TRAVEL CABLE. ESTIMATED 6 SHIELDED PAIRS AND 1 COAXIAL CABLE. ELEVATOR CONTRACTOR SHALL COORDINATE WITH GC AND SECURITY CONTRACTOR.

LEVEL 1 - KEY PLAN



KEY PLAN
SCALE: NO SCALE

BULLETIN NO. 1 December 16, 2024

ISSUED FOR DATE

PROJECT TITLE
LOY NORRHX HIGH
SCHOOL MECHANICAL
IMPROVEMENTS
PROJECT

OWNER
KALAMAZOO PUBLIC
SCHOOLS

Kalamazoo, Michigan

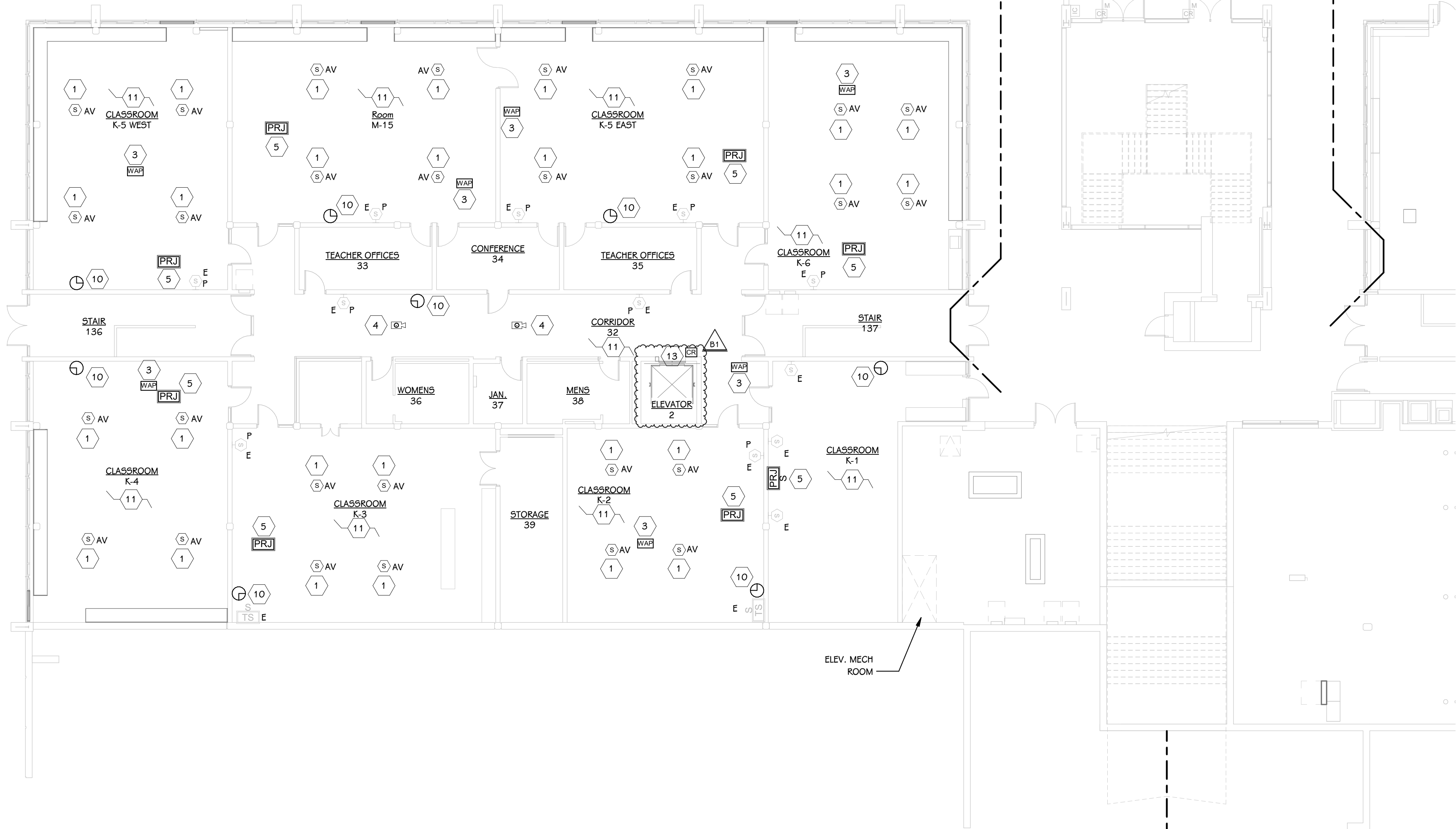
SHEET TITLE
LOWER LEVEL TECHNOLOGY PLAN -
UNIT J

DATE
SEPTEMBER 16, 2024

SHEET NUMBER
T 100J
21-807.00



LOWER LEVEL FLOOR TECHNOLOGY PLAN - UNIT J
3/32" = 1'-0"



ELEV. MECH ROOM

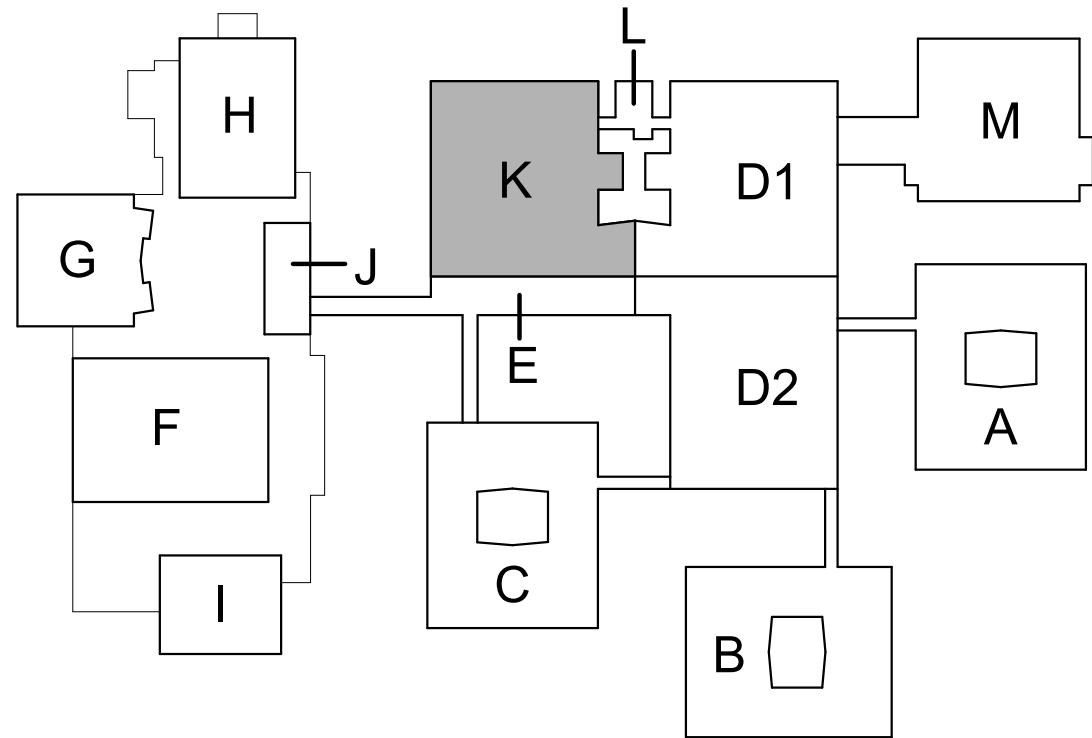


LOWER LEVEL TECHNOLOGY PLAN - UNIT K

3/32" = 1'-0"

- TECHNOLOGY KEYED NOTES**
- RETRIEVE AV SPEAKERS FROM KP3 TECHNOLOGY SERVICES LOCATED AT: 600 W. VINE ST., KALAMAZOO, MI 49008. INSTALL SPEAKERS THAT WERE REMOVED DURING DEMO PHASE. PAGING SYSTEM SPEAKER CENTERED IN SPACE, EQUALLY SPACING AV SPEAKERS IN ROOM FOR BEST STUDENT SEATING COVERAGE.
 - REMOVE PLASTIC FROM WALL MOUNTED CABINET, CLEAN ALL DUST AND DEBRIS FROM CABINET (INSIDE AND OUT) AND NETWORK EQUIPMENT.
 - RETRIEVE WIRELESS ACCESS POINT FROM KP3 TECHNOLOGY SERVICES LOCATED AT: 600 W. VINE ST., KALAMAZOO, MI 49008. INSTALL WIRELESS ACCESS POINTS BACK WHERE THEY WERE REMOVED FROM CEILING. DOCUMENT MAC ADDRESS, DATA CABLE NUMBER, AND ASSOCIATED ROOM NUMBER.
 - RETRIEVE CAMERAS FROM KP3 TECHNOLOGY SERVICES LOCATED AT: 600 W. VINE ST., KALAMAZOO, MI 49008. INSTALL SECURITY CAMERAS THAT WERE REMOVED DURING DEMO PHASE. COORDINATE WITH OWNERS FOR CAMERA COVERAGE. PULL NEW DATA CABLE IF CABLE DOES NOT REACH NEW LOCATION.
 - RETRIEVE PROJECTORS FROM KP3 TECHNOLOGY SERVICES LOCATED AT: 600 W. VINE ST., KALAMAZOO, MI 49008. INSTALL PROJECTORS THAT WERE REMOVED DURING DEMO PHASE. CENTER ON WHITEBOARDS/PROJECTOR SCREENS. RECONNECT CABLES THAT WERE DISCONNECTED AND TEST AV SYSTEM FOR COMPLETE FUNCTIONALITY.
 - INSTALL NEW PAGING SPEAKERS USING EXISTING CABLING.
 - ROUTE RELEASE BUTTON AND LOCKDOWN BUTTON CABLING DOWN VERTICAL RACEWAY TO FINAL LOCATION AT RECEPTION'S DESK.
 - ROUTE RELEASE BUTTON AND LOCKDOWN BUTTON TO PRINCIPAL'S DESK.
 - REINSTALL PRODUCTS THAT WERE REMOVED DURING DEMOLITION. RETRIEVE FROM KP3 TECHNOLOGY SERVICES LOCATED AT: 600 W. VINE ST., KALAMAZOO, MI 49008. THIS INCLUDES, BUT IS NOT LIMITED TO: AV SPEAKERS, PAGING SPEAKERS, PROJECTORS, WIRELESS ACCESS POINTS AND SECURITY CAMERAS. DOCUMENT CABLE IDS AND MAC ADDRESSES, AND RETURN PRODUCT TO KP3 TECHNOLOGY SERVICES.
 - RETRIEVE CLOCKS FROM KP3 TECHNOLOGY SERVICES LOCATED AT: 600 W. VINE ST., KALAMAZOO, MI 49008. INSTALL CLOCKS THAT WERE REMOVED DURING DEMO PHASE.
 - REINSTALL ANY UNDOCUMENTED DEVICES THAT WERE REMOVED DURING DEMOLITION. THESE DEVICES INCLUDE BUT ARE NOT LIMITED TO: PROJECTORS, PROJECTOR MOUNTS, AV SPEAKERS, WIRELESS ACCESS POINTS, AND CLOCKS. RETRIEVE DEVICES FROM KP3 TECHNOLOGY SERVICES LOCATED AT: 600 W. VINE ST., KALAMAZOO, MI 49008.
 - RECONNECT AV SPEAKERS. NEW WIRING AND CONDUIT MAY BE REQUIRED.
 - CAMERA AND FOBS SHALL BE SUPPLIED BY SECURITY CONTRACTOR. INSTALLATION OF CAMERAS AND FOBS SHALL BE BY ELEVATOR CONTRACTOR. SECURITY CONTRACTOR SHALL COORDINATE WITH ELEVATOR CONTRACTOR AND GC.
 - CAMERAS AND FOBS SHALL HAVE A DEDICATED TRAVEL CABLE. ESTIMATED 6 SHIELDED PAIRS AND 1 COAXIAL CABLE. ELEVATOR CONTRACTOR SHALL COORDINATE WITH GC AND SECURITY CONTRACTOR.

LEVEL 1 - KEY PLAN



KEY PLAN

SCALE: NO SCALE

BULLETIN NO. 1 December 16, 2024

ISSUED FOR DATE

PROJECT TITLE
LOY NORRIS HIGH
SCHOOL MECHANICAL
IMPROVEMENTS
PROJECT

OWNER
KALAMAZOO PUBLIC
SCHOOLS

Kalamazoo, Michigan

SHEET TITLE
LOWER LEVEL TECHNOLOGY PLAN -
UNIT K

DATE
SEPTEMBER 16, 2024

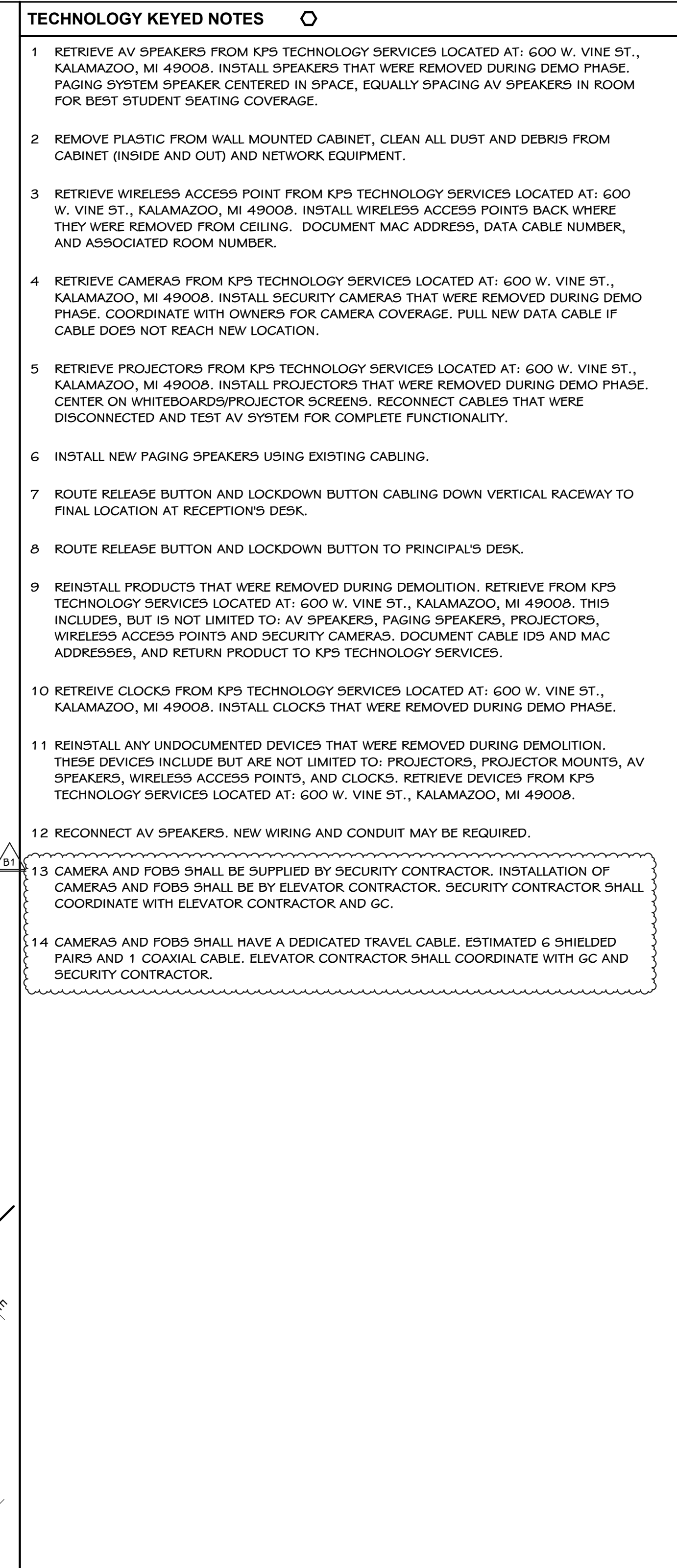
SHEET NUMBER
T 100K
21-807.00

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BULLETIN NO. 1		December 16, 2024	
ISSUED FOR		DATE	

OWNER
KALAMAZOO PUBLIC
SCHOOLS

Kalamazoo, Michigan

B1

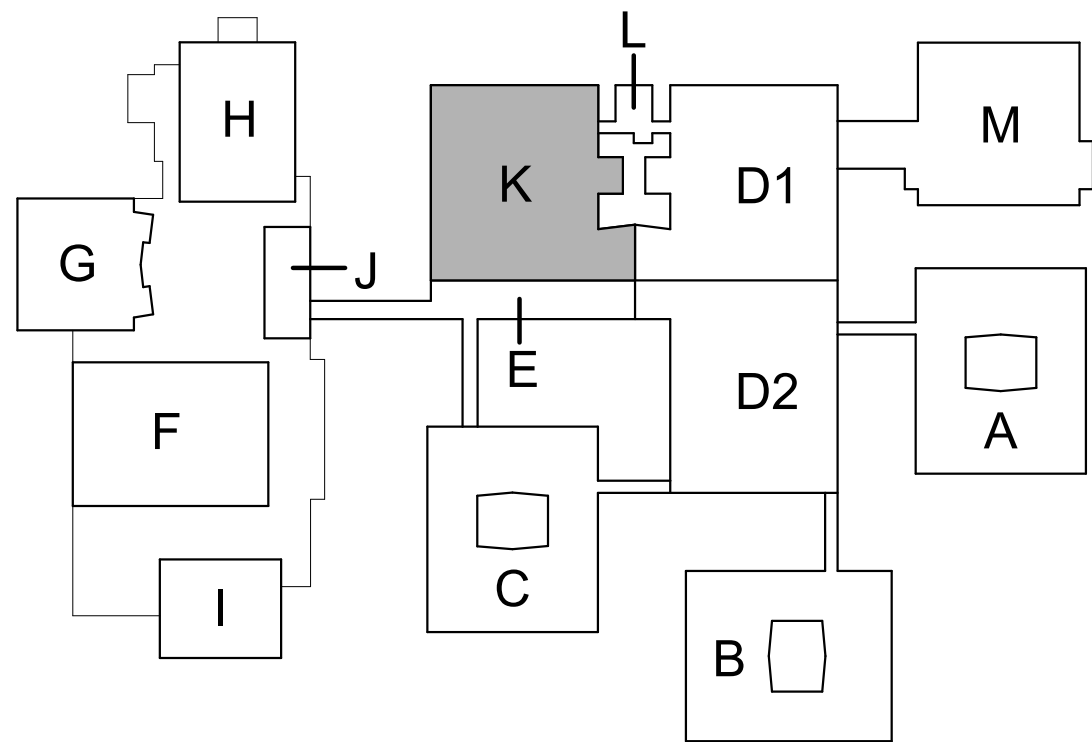
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T 101J
21-807.00

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TECHNOLOGY KEYED NOTES

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LEVEL 1 - KEY PLAN



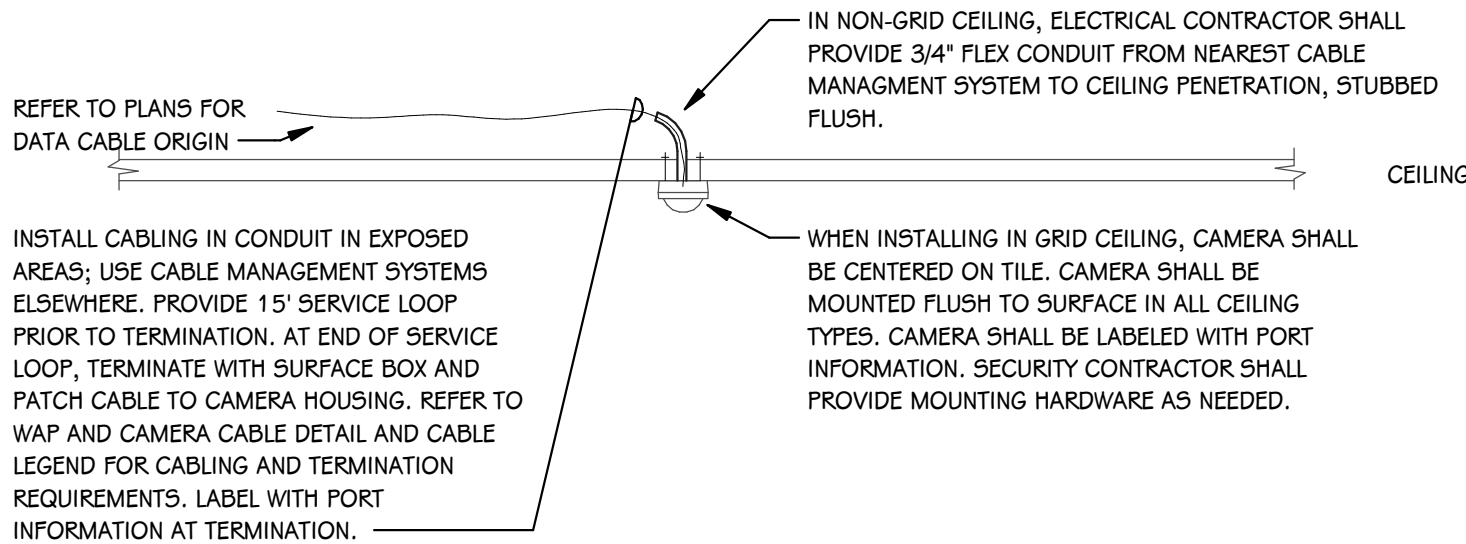
KEY PLAN
SCALE: NO SCALE



FIRST FLOOR TECHNOLOGY PLAN - UNIT K
3/32" = 1'-0"

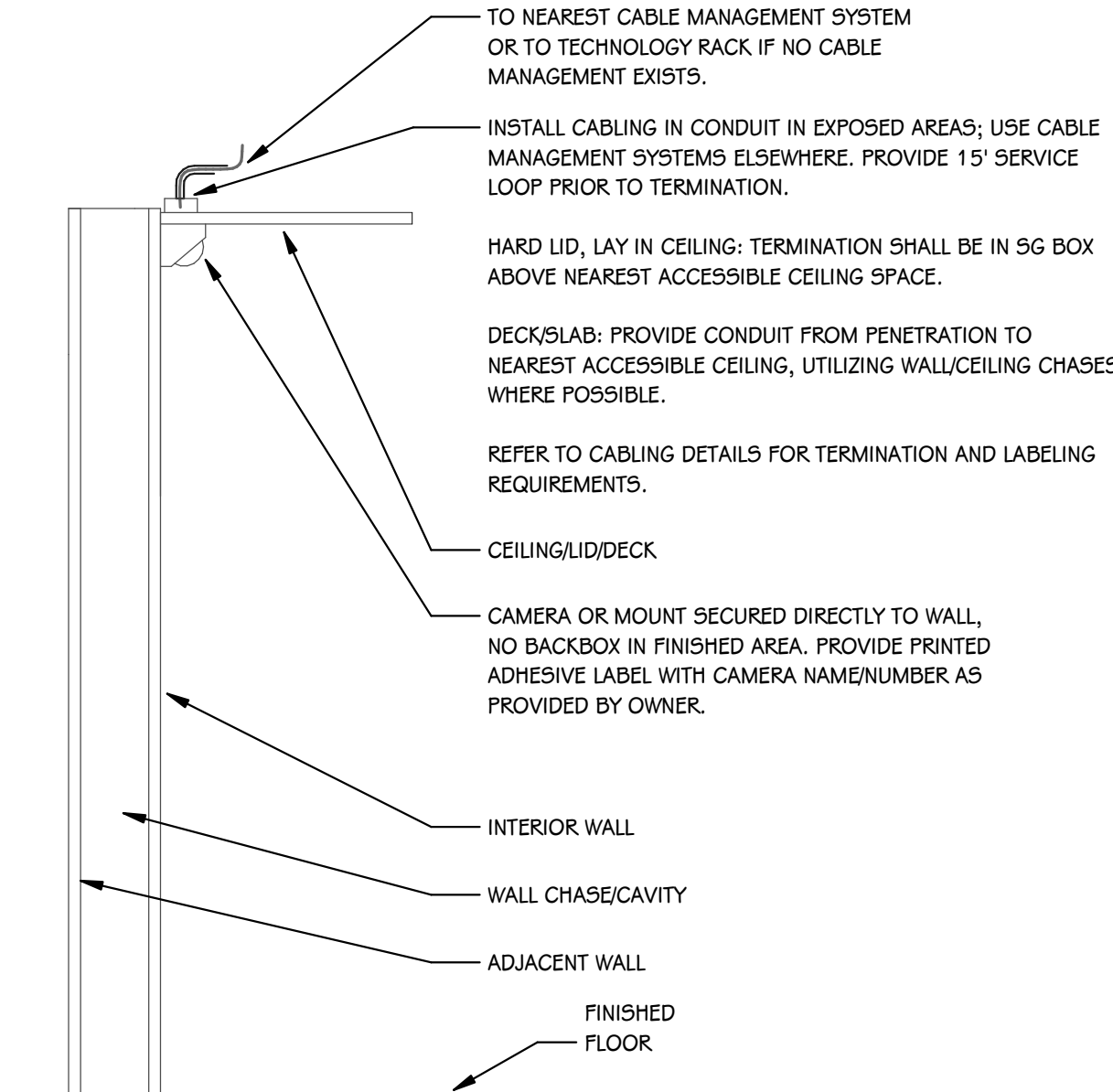
SECURITY CAMERA SCHEDULE				
CAMERA NUMBER	MAKE/MODEL	MOUNTING TYPE	DATA DROPS	COMMENTS
E-1	AXIS P9117-PV	ELEVATOR CORNER	1	
E-2	AXIS P9117-PV	ELEVATOR CORNER	1	

EACH CAMERA SHALL REQUIRE (1) LICENSE.
ELEVATOR CAMERAS PROVIDED BY SECURITY CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.



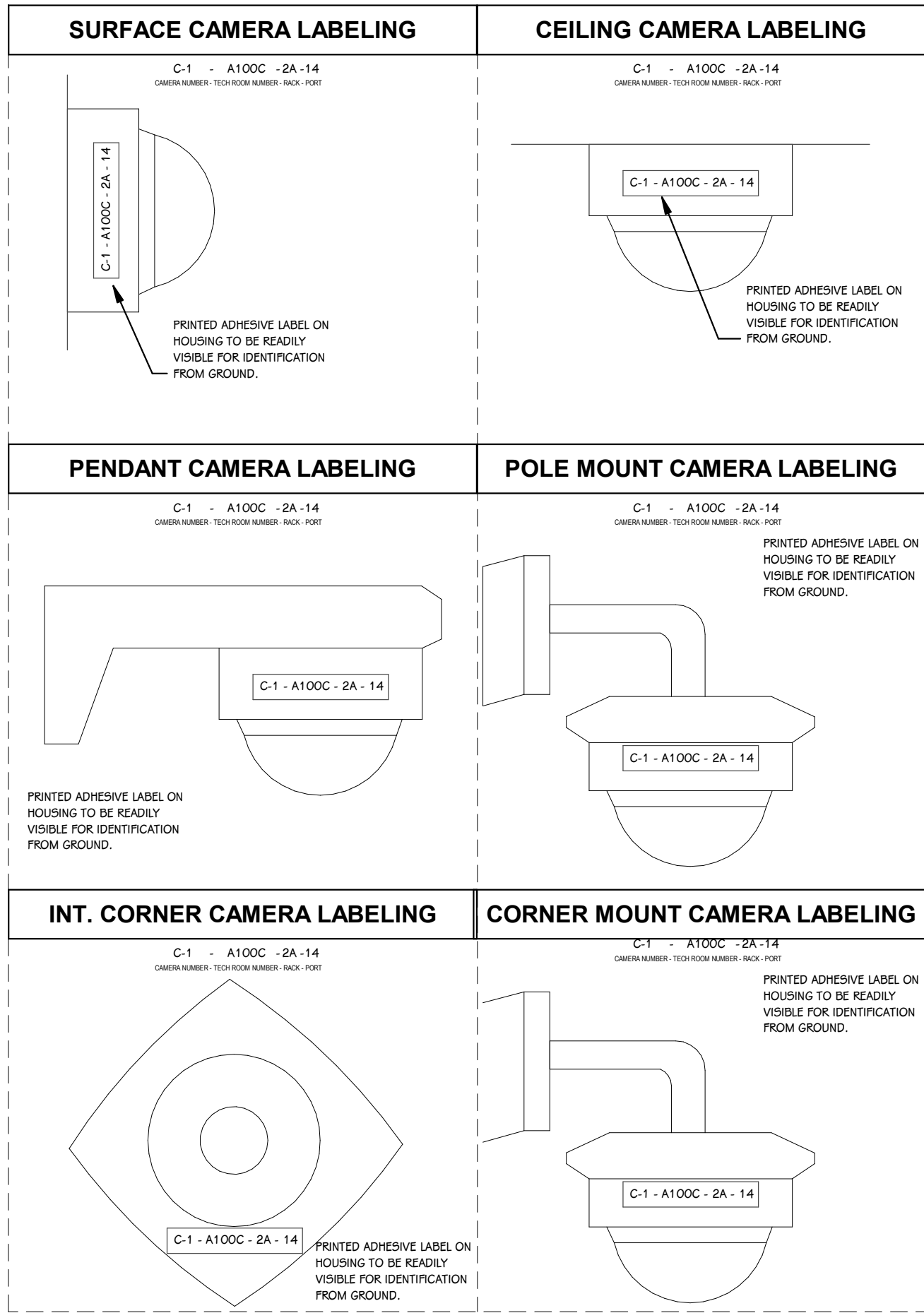
CEILING MOUNT CAMERAS

TYPICAL SECURITY CAMERA ROUGH-IN - CEILING
SCALE: NONE



INTERIOR CORNER MOUNT CAMERAS

TYPICAL SECURITY CAMERA ROUGH-IN - INTERIOR CORNER
SCALE: NONE



TYPICAL CAMERA LABELING DETAIL
SCALE: NONE

SHEET TITLE
CAMERA DETAILS

OWNER
KALAMAZOO PUBLIC
SCHOOLS

Kalamazoo, Michigan

PROJECT TITLE
LOY NORRIX HIGH
SCHOOL MECHANICAL
IMPROVEMENTS
PROJECT

ISSUED FOR

DATE

BULLETIN NO. 1 December 16, 2024

SHEET NUMBER
T 402
21-807.00

DATE
SEPTEMBER 16, 2024