

SCHEDULE OF ALTERNATES

Alternate No. 1: LVT Flooring in Rooms 018 & 022 (Add): Base Bid: Provide polished concrete floor finish at the existing slab on grade as indicated on the Drawings and Specifications. Alternate Bid: Provide new cementitious underlayment and new LVT flooring at existing slab as indicated in the Drawings and Specifications.

Alternate No. 2: Plywood Subfloor (Add): Base Bid: Remediate conditions of existing plywood subfloor at risers as indicated on the drawings. Alternate Bid: In addition to work in base bid, provide an additional layer 3/4" FRT plywood to existing subfloor.

Alternate No. 3: Acoustical Wall Panels (Add): Base Bid: No Work. Alternate Bid: Provide acoustic wall panels as indicated on the Drawings and Specifications.

Alternate No. 4: Combined Phases 2 & 3 (Deduct): Base Bid: Execute the Work of the Contract in 3 phases as indicated on the Drawings and as Outlined in 00 10 10 - Instructions To Bidders Alternate Bid: Execute the Work of the Contract in 2 phases, combining phases 2 and 3, with work beginning on December 11, 2026 and Final Completion on May 10, 2027.

Alternate No. 5: Lecture Room Furniture Room 018 (Add): Base Bid: No furniture in Room 018. Alternate Bid: Provide Lecture Room Furniture as indicated on the Drawings and in Specifications 12 61 00 - Lecture Room Furniture and 12 61 01 - Lecture Room Furniture Schedule.

INDIANA STATE UNIVERSITY

ISU SCIENCE BUILDING ROOMS 018, 022, AND 138 RENOVATION - ISU Bid No. B0028832

SCIENCE BUILDING, 600 CHESTNUT ST, TERRE HAUTE, IN 47809

100% BID DOCUMENTS - 07/29/2026

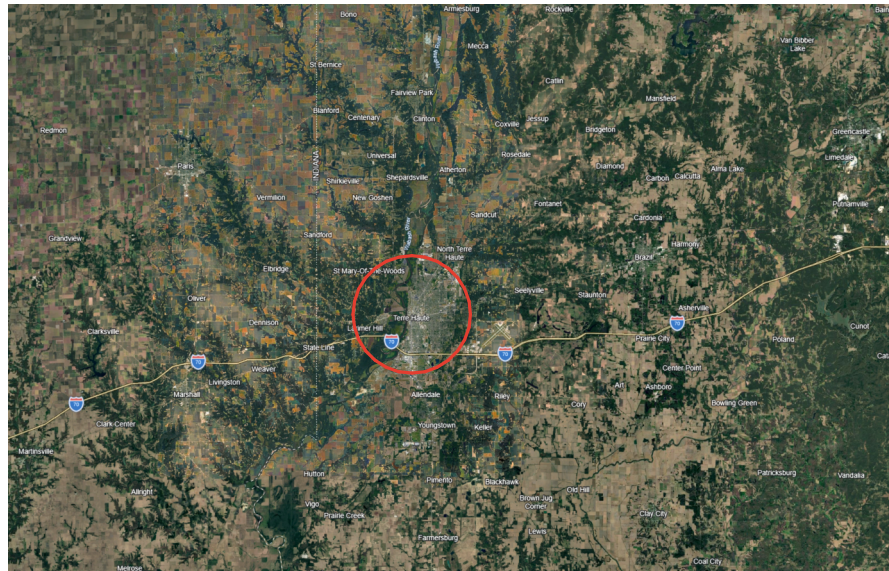


DRAWING LIST

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A121	FLOOR PLANS AND CASEWORK DETAILS
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M201	LOWER LEVEL AND FIRST FLOOR PLAN - AIR DISTRIBUTION
03 PLUMBING	
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VICINITY MAP



LOCATION MAP



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ISU SCIENCE BUILDING ROOMS 018, 022, AND 138 RENOVATION - ISU Bid No. B0028832
SCIENCE BUILDING, 600 CHESTNUT ST, TERRE HAUTE, IN 47809

100% BID DOCUMENTS

DATE:
07/29/2026
arcDESIGN PROJECT NUMBER:
26139

PHASING SCHEDULE

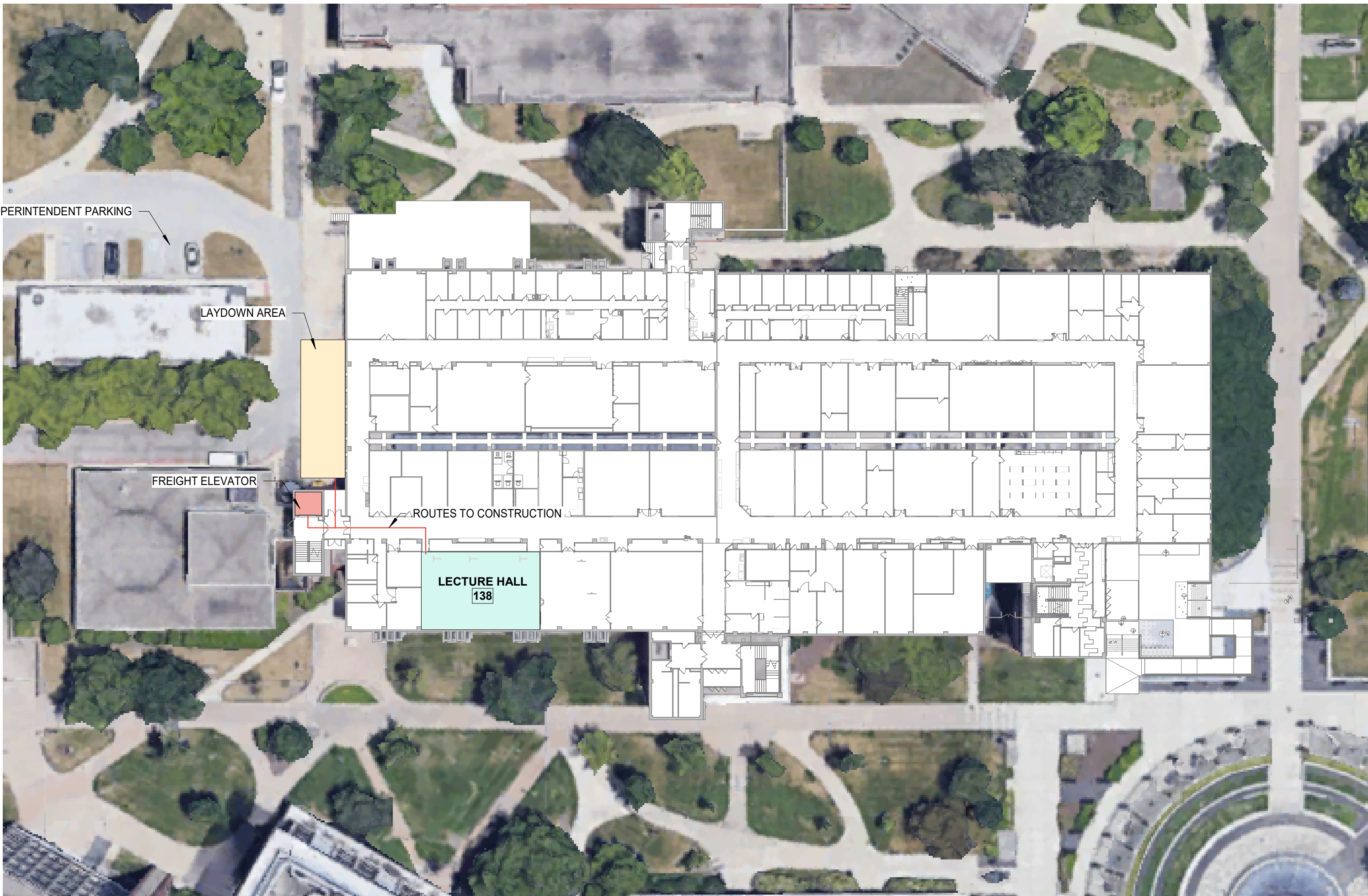
PHASE 1
CLASSROOM 018
MOBILIZATION - 9/2/2026
GC SUBSTANTIAL COMPLETION - 12/11/2026
FINAL COMPLETION OF FURNITURE INSTALLATION - 12/31/2026

PHASE 2
CLASSROOM 138
MOBILIZATION 12/11/2026
GC SUBSTANTIAL COMPLETION - 4/26/2027
FINAL COMPLETION OF FURNITURE INSTALLATION - 5/10/2027

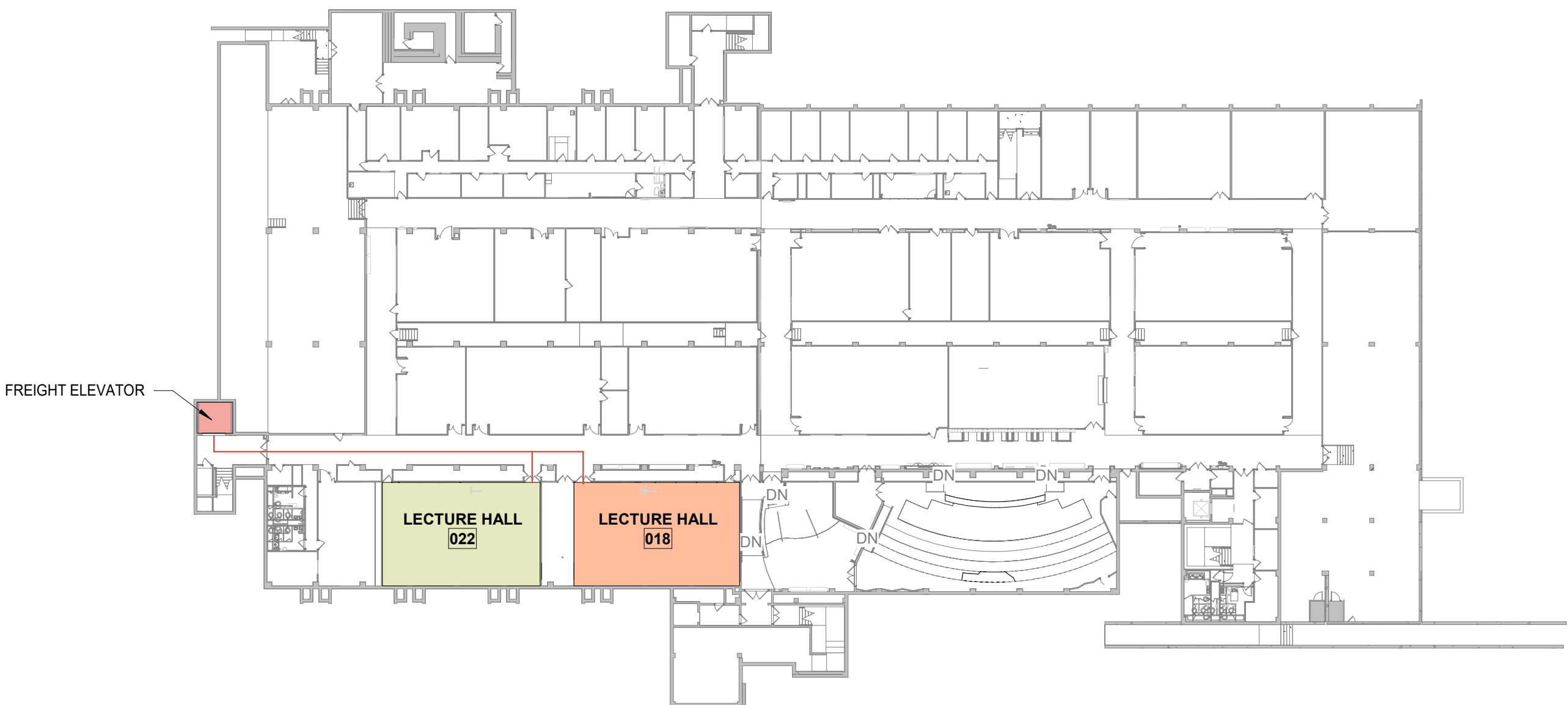
PHASE 3
CLASSROOM 022
MOBILIZATION 4/26/2027
GC SUBSTANTIAL COMPLETION - 7/30/2027
FINAL COMPLETION OF FURNITURE INSTALLATION - 8/9/2027

NOTE: REFERENCE ALTERNATE NO. 4 FOR INFORMATION ON PHASING ALTERNATE.

NOTE: COORDINATE ALL LOCATIONS OF PARKING AND LAYDOWN AREAS WITH OWNER PRIOR TO MOBILIZATION.



5B PHASING PLAN - FIRST FLOOR
1" = 40'-0"



5A PHASING PLAN - LOWER LEVEL
1" = 40'-0"

GENERAL PROJECT NOTES

THE FOLLOWING GENERAL NOTES ARE APPLICABLE THROUGHOUT THESE CONSTRUCTION DRAWINGS.

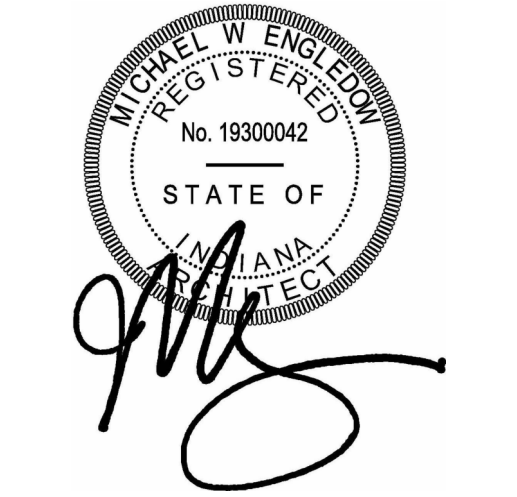
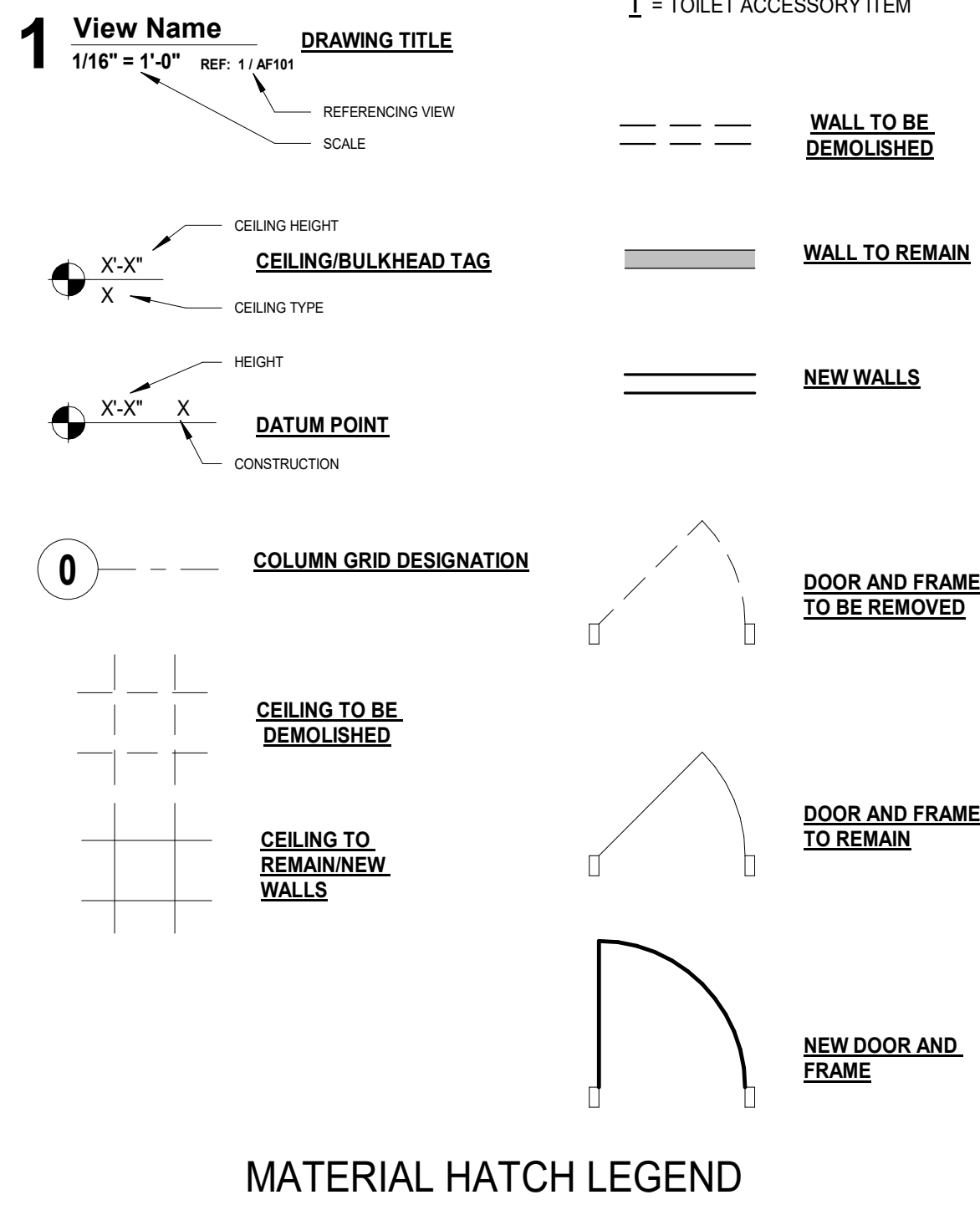
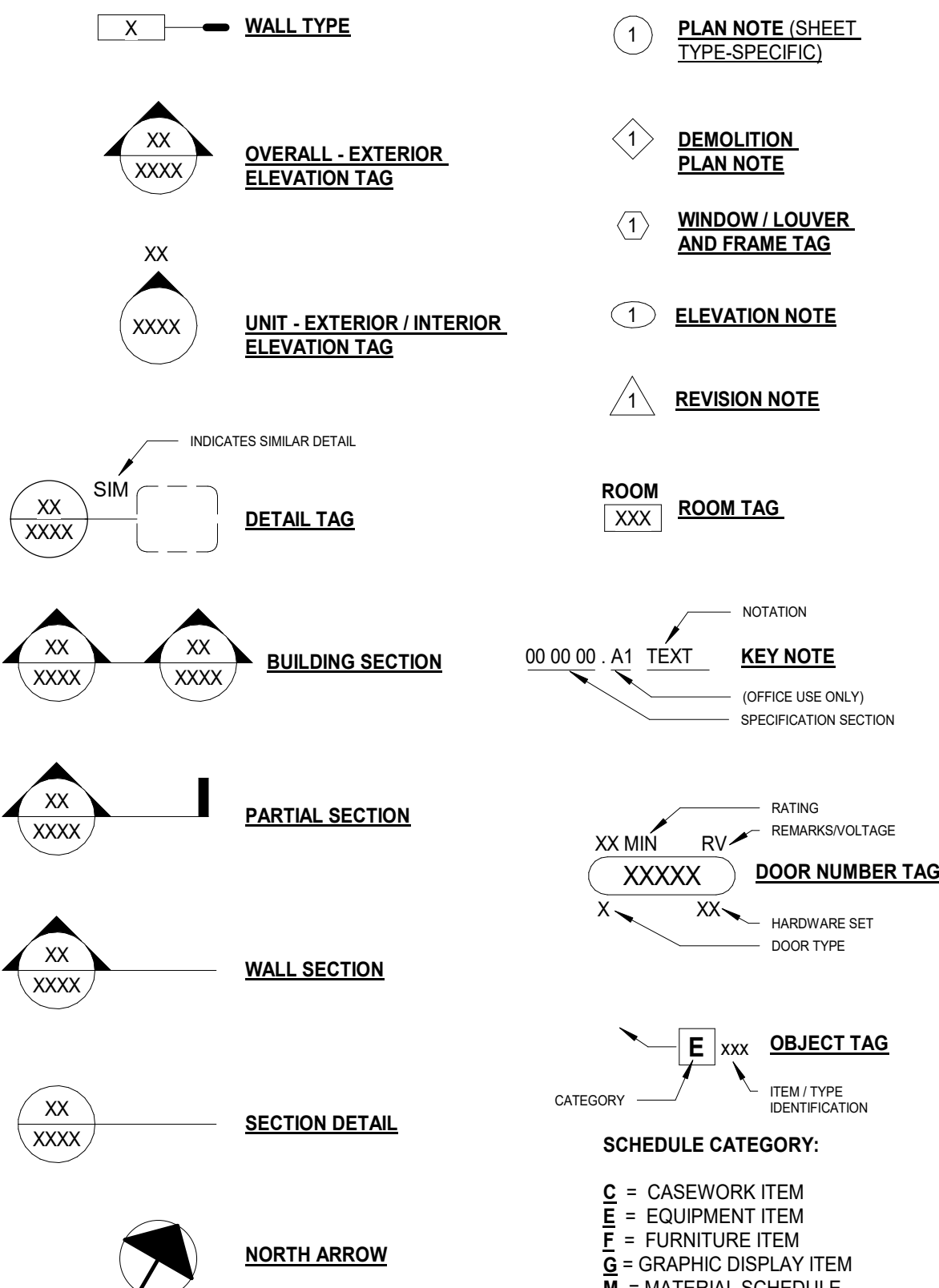
- A. NOTHING SET FORTH IN THESE DRAWINGS SHALL RELEASE THE CONTRACTOR FROM ITS RESPONSIBILITY TO PROVIDE APPROPRIATE QUANTITIES, FIELD MEASUREMENTS, DIMENSIONAL STABILITY, INSTALLATION, ANCHORAGE, AND COORDINATION WITH ALL OTHER SUBCONTRACTORS AND TRADES, OR RELEASE THE CONTRACTOR OF RESPONSIBILITY TO IDENTIFY AND RESOLVE DEVIATIONS FROM THE REQUIREMENTS OF THESE DOCUMENTS, OR RELEASE THE CONTRACTOR OF RESPONSIBILITY TO ALERT THE ARCHITECT TO ERRORS OR OMISSIONS CONTAINED THEREIN.
- B. THE CONTRACTOR AND ALL ITS SUBCONTRACTORS SHALL VERIFY IN THE FIELD ALL NEW AND EXISTING APPLICABLE CONDITIONS, DIMENSIONS, RELATIONSHIPS, ETC. SHOWN IN THESE DRAWINGS AND AS PERTINENT TO THE INTENT OF THESE DRAWINGS. ANY DISCREPANCY DISCOVERED SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE COMMENCEMENT OF ANY WORK AFFECTED BY, OR RELATED TO, SUCH DISCREPANCY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH, OR CAUSED BY, ITS FAILURE TO COMPLY WITH THIS REQUIREMENT.
- C. ELEVATION CALLOUTS INCLUDING "AFF" (ABOVE FINISH FLOOR) REFERENCE THE FINISHED SURFACE OF THE STRUCTURAL SUBFLOOR PRIOR TO THE APPLICATION OF FLOORING OR FLOOR FINISHES INDICATED ON THE INTERIOR FLOOR PLANS AND INTERIOR ROOM FINISH SCHEDULES UNLESS NOTED OTHERWISE, WHERE MINIMUM CLEAR HEIGHTS OR MAXIMUM HEIGHTS OF CASEWORK AND EQUIPMENT ARE SHOWN, SUCH DIMENSIONS ARE REQUIRED BETWEEN THE TOP OF THE FINISHED FLOORING (AS INDICATED ON THE INTERIOR FLOOR PLANS AND INTERIOR ROOF FINISH PLANS).
- D. COORDINATE, PROVIDE, AND INSTALL 2X FIRE TREATED WOOD WALL BLOCKING AS REQUIRED FOR THE ANCHORAGE AND SUPPORT OF ALL NEW CASEWORK, TRIM, FIRE EXTINGUISHER CABINETS, TOILET ACCESSORIES, MARKER BOARDS, TACK BOARDS, DOOR HARDWARE ACCESSORIES, ETC., AS APPLICABLE.
- E. AT ALL AREAS WHERE EXISTING FLOOR COVERING OR WALL COVERING MATERIAL IS SHOWN TO BE REMOVED, THE CONTRACTOR SHALL PROPERLY PREPARE THE REMAINING SUB-SURFACE AS REQUIRED BY THE NEW COVERING MANUFACTURER SUCH THAT COVERING PROVIDED BY THE CONTRACTOR MEETS ALL WARRANTY REQUIREMENTS SET FORTH BY THE COVERING MANUFACTURER.
- F. CONTRACTOR SHALL ENSURE THAT ANY AND ALL BACKBOXES LOCATED WITHIN 'PARTY WALLS' THAT SEPARATE ROOMS ARE NOT LOCATED BACK TO BACK OR IN THE SAME CAVITY. STAGGER BOXES ONE STUD CAVITY EITHER SIDE OF ONE ANOTHER.

ABBREVIATIONS

SPL THIRD PARTY LOGISTICS
AC AIR CONDITIONING
ACC ACCESSIBLE
ACT ACoustical CEILING TILE
ADA AMERICANS WITH DISABILITIES ACT
ADJ ADJUSTABLE
AFF ABOVE FINISHED FLOOR
AHJ AUTHORITIES HAVING JURISDICTION
AL ALUMINUM
AMP AMPERE
AR ARCHITECT OF RECORD
APC ACoustical PANEL CEILING
ATO ACoustical TILE CEILING
ANSI AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX APPROXIMATE
ASSY ASSEMBLY
ASTM AMERICAN SOCIETY OF TESTING AND MATERIALS
AVB AIR VAPOR BARRIER
AVG AVERAGE
BL BORROWED LIGHT
BN BOTTOM
BOC BOTTOM OF
BFF BELOW FINISH FLOOR
BOH BACK OF HOUSE
BLDG BUILDING
BRG BEARING
CAB CABINET
CLF CURTAIN
CER CERAMIC
CFM CUBIC FEET PER MINUTE
CFWF COLD FORMED METAL FRAMING
CG CORNER GUARD
CJ CONTROL JOINT
CIRC CIRCUIT
CL CENTER LINE
CLG CEILING
CLR CLEAR OR CLEARANCE
CNTRL CONTROL
CO CASED OPENING
COL COLUMN
COMP COMPARTMENT
CON CONCRETE
CONST CONSTRUCTION
CONT CONTINUOUS
CARPET CARPET
CR CRASH RAIL
CT CERAMIC TILE OR CORK TILE
CTR CENTER
CX COMMISSIONING
CxA COMMISSIONING AGENT
DB DECEASED
DEG DEGREES
DEMO DEMOLISH OR DEMOLITION
DEPT DEPARTMENT
DET DETAIL
DF DRINKING FOUNTAIN
DA DIAMETER
DIFF DIFFUSER
DISP DISPENSER
DNH DIMENSION
DLO DAYLIGHT OPENING
DOWN DOWN
DOP DECORATIVE PANELS
DR DOOR
DS DOWNSPOUT
DWG(S) DRAWING(S)
EA EACH
EC ELECTRICAL CONTRACTOR
EG EXHAUST GRILLE
EIFS EXTERIOR INSULATION AND FINISH SYSTEM
EJ EXPANSION JOINT
EL ELEVATION
ELECT ELECTRICAL
EM EMERGENCY
EQ EQUAL
EQUIP EQUIPMENT
ETR EXISTING TO REMAIN
EWC ELECTRIC WATER COOLER
EXIST OR (E) EXISTING
EXP EXPOSED
EXT EXTERIOR
FAB FABRIC
FCO FLOOR CLEANOUT
FDR FLOOR DRAIN
FDC FIRE DEPARTMENT CONNECTION
FE FIRE EXTINGUISHER
FEC FIRE EXTINGUISHER CABINET
FF FINISH FLOOR
FF&E FURNITURE, FIXTURE AND EQUIPMENT
FIX FIXTURE
FIN FINISH
FLR FLOOR
FOF FACE OF FINISH
FOH FRONT OF HOUSE
FOS FACE OF STUD
FPM FEET PER MINUTE
FRP FIBERGLAS REINFORCED PANEL
FT FLOOR SINK
FT FOOT OR FEET
FTG FOOTING
FVC FIRE VALVE CABINET
GA GAGE OR GAUGE
GALV GALVANIZED
GB GRAB BAR OR GYPSUM BOARD
GC GENERAL CONTRACTOR
GCMU GLAZED CONCRETE MASONRY UNIT
GPCI GROUND FAULT CIRCUIT INTERRUPTER
GL GLASS OR GLAZING
GND GROUND
GPM GALLONS PER MINUTE
GSU GLAZED STRUCTURAL UNIT
GT GROUT
HB HOSE BIB
HC HOLLOW CORE
HCT HOLLOW CLAY TILE
HDW HEAVY DUTY
HDW HARDWARE
HEX HEXAGONAL
HM HOLLOW METAL
HORZ HORIZONTAL
HR HOUR/OR HANDRAIL
HS HAND SINK
HT HEIGHT
HVAC HEATING, VENTILATING AND AIR CONDITIONING
HW HOT WATER OR HARDWOOD
ID INSIDE DIAMETER
IN INCH
INT INTERIOR
INSUL INSULATION
INV INVERT
JAN JANITOR
JB JUNCTION BOX
JCT JUNCTION
JFS JOINT FIRE STOPPING SYSTEM
JT JOINT
KO KNOCK OUT
KP KICK PLATE
LH LEFT HAND
LL LIVE LOAD
LP LOW POINT
LV LOW VOLTAGE
LVR LOUVER

MAINT MAINTENANCE
MATL MATERIAL
MAX MAXIMUM
MECH MECHANICAL
MEP MECHANICAL, ELECTRICAL AND PLUMBING
MFR MANUFACTURER
MIN MINIMUM
MISC MISCELLANEOUS
MIR MOLD AND MOISTURE RESISTANT
MO MASONRY OPENING
MR MOISTURE RESISTANT
MOP SINK
MULL MULLION
MLLW MILLWORK
N NORTH
NC NOISE CRITERIA
NF NEAR FACE
NIC NOT IN CONTRACT
NOM NOMINAL
NR NOISE REDUCTION
NRC NOISE REDUCTION COEFFICIENT
NTS NOT TO SCALE
O OXYGEN
O/O OUT TO OUT
OA OUTSIDE AIR
OC ON CENTER
OD OUTSIDE DIAMETER
OF OUTSIDE FACE
OH OVERHEAD
OHD OVERHEAD DOOR
OPG OPENING
OPP OPPOSITE
OPP H OPPOSITE HAND
OR OUTSIDE RADIUS
ORN ORNAMENTAL
OSD OPEN SITE DRAIN
P PAINT
PA PUBLIC ADDRESS
PAR PARALLEL
PARTN PARTITION
PERM PERIMETER
PERP PERPENDICULAR
PFS PENETRATION FIRE STOPPING SYSTEM
PIV POSITIVE INDICATOR VALVE
PKG PARKING
PL PLASTIC LAMINATE
PLF POUNDS PER LINEAL FOOT
PLYWD PLYWOOD
PNL PANEL
POS POINT OF SALE
PR PAIR
PSI POUNDS PER SQUARE INCH
PVC POLYVINYL CHLORIDE
PMT PAVEMENT
PWR POWER
QUAL QUALITY
QTR QUARTER
QTY QUANTITY
QTZ QUARTZ
R RADIUS
RA RETURN AIR
RB RESILIENT BASE
RCP REFLECTED CEILING PLAN
RD ROOF DRAIN
REF REFERENCE, REFRIGERATOR
REINF REINFORCE
REQ(D) REQUIRED(D)
RES RESINOUS
REV REVISION
RFL RESILIENT FLOORING SHEET
RFS RESILIENT FLOORING TILE
RG RETURN GRILLE
RND ROUND
RO ROUGH OPENING
ROW RIGHT OF WAY
RS RESINOUS FLOOR
RSA RESILIENT STAIR ACCESSORIES
RT ROOF TOP
RTU ROOF TOP UNIT
RTS RESILIENT TRANSITION STRIP
RWC RAIN WATER CONDUCTOR
RWL RAIN WATER LEADER
S SOUTH
SAS SURFACED 4 SIDES
SALV SALVAGE
SAN SANITARY
SB SPLASH BLOCK
SC SEALED CONCRETE
SCHD SCHEDULE
SCW SOLID CORE WOOD
SF SQUARE FEET
SFRM SPRAY FIRE RESISTIVE MATERIAL
SHT SHEET
SMTH SHEATHING
SHWR SHOWER
SIM SIMILAR
SJS SILICONE JOINT SEALANT
SOG SLAB ON GRADE
SPEC SPECIFICATION
SPF SPRAY POLYURETHANE FOAM
SPKR SPEAKER
SPLR SPRINKLER
SQ SQUARE
SS STAINLESS STEEL /OR SOLID SURFACE
ST STONE
STEEL STEEL
STL STORAGE
SUSP SUSPENDED
TAN TANGENT
TEL TELEPHONE
TEMP TEMPORARY
TO TOP OF
T&B TOP AND BOTTOM
TB TACKBOARD
TER TERRAZZO
THR THRESHOLD
THRU WALL FLASHING
TYP TYPICAL
UC UNDERCOUNTER
UNO UNLESS NOTED OTHERWISE
V VOLTAGE
VAT VINYL ASBESTOS TILE
VB VAPOR BARRIER, VINYL BASE
VCT VINYL COMPOSITION TILE
VERT VERTICAL
VIF VERIFY IN FIELD
VIR VAPOR RETARDER
VTR VENT THROUGH ROOF
W WEST
W WITH
W/O WITH OUT
WB WALL BASE
WC WALL COVERING
WD WOOD
WF WIDE FLANGE (STRUCTURAL STEEL) /OR WINDOW FILM
WG WIRED GLASS
WH WATER HEATER
WP WEATHER PROOF /OR WALL PROTECTION
WPT WORKING POINT
WRB WEATHER RESISTANT BARRIER
WCO WALL CLEANOUT
WWF WELDED WIRE FABRIC
XH EXTRA HEAVY
YD YARD
YR YEAR

SYMBOL LEGEND



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RENOVATION - ISU Bid No. B0028832
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100% BID DOCUMENTS

△ REVISIONS:

DATE:
07/29/2026
arcDESIGN PROJECT NUMBER:
26139
CLIENT PROJECT NUMBER:
B0028832
DRAWN BY:
NL
DRAWING TITLE:

PHASING AND
ARCHITECTURAL
GENERAL
NOTES

DRAWING NUMBER:

A001

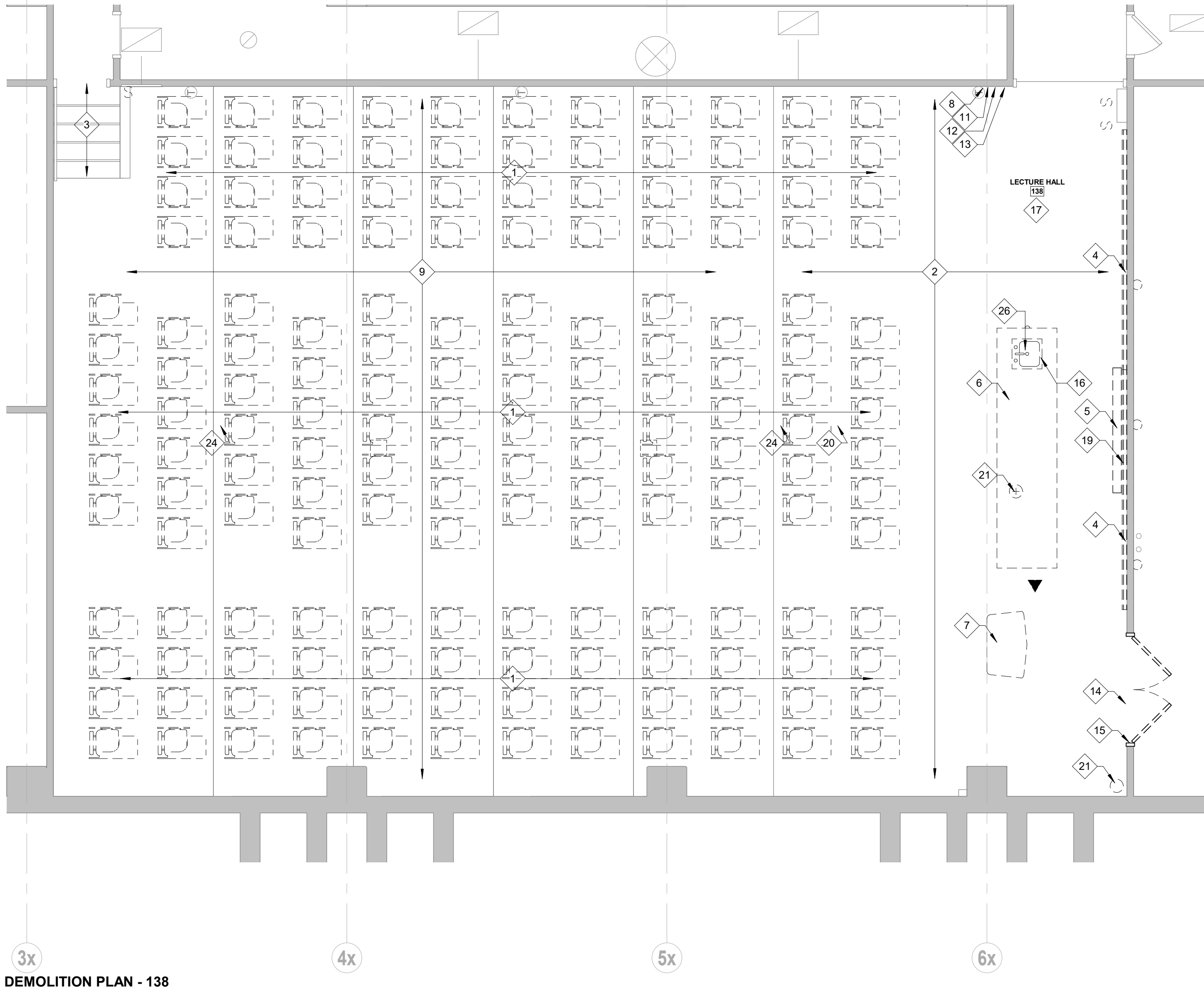


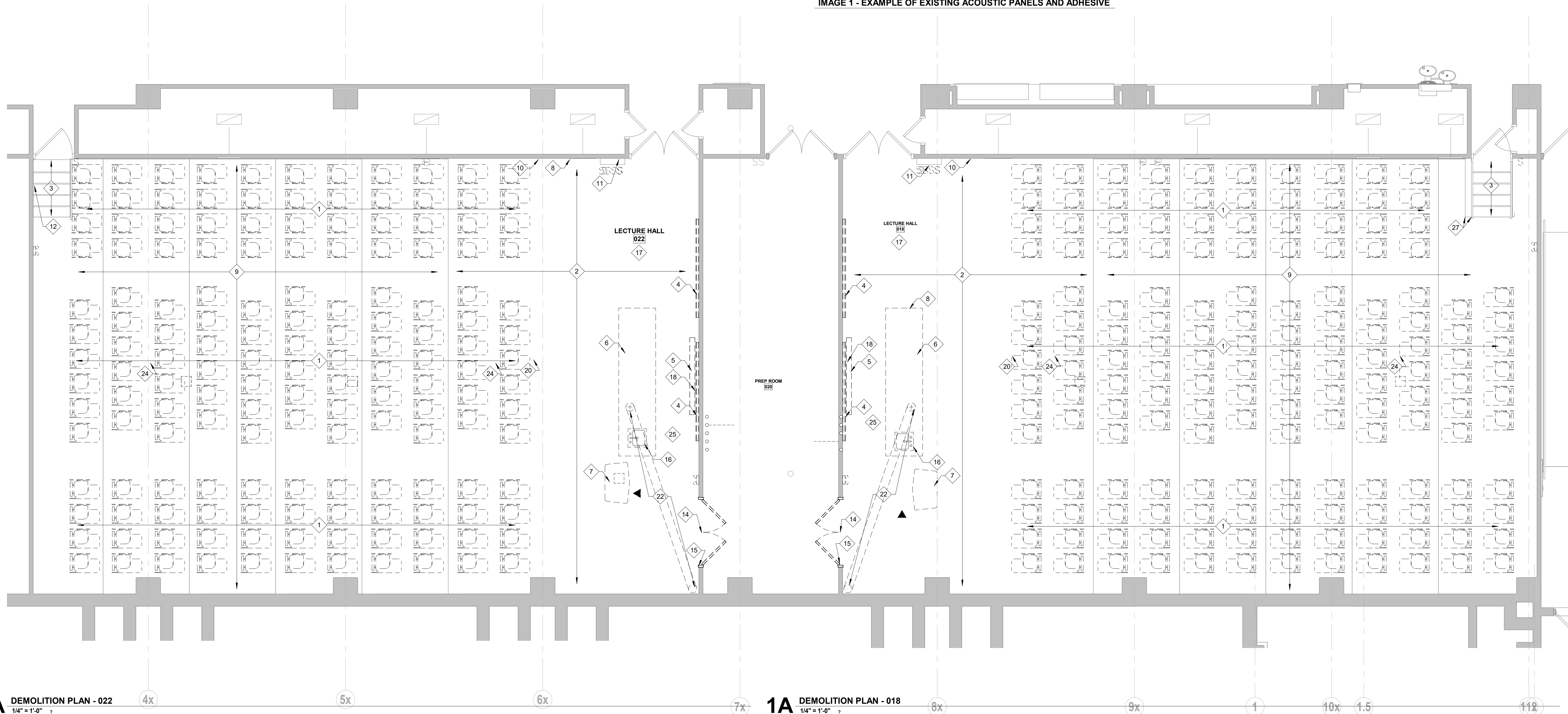
IMAGE 3 - EXAMPLE OF EXISTING PROJECTOR SCREEN AND BRACKETS.



IMAGE 2 - EXAMPLE OF EXISTING CASEWORK



IMAGE 1 - EXAMPLE OF EXISTING ACOUSTIC PANELS AND ADHESIVE



GENERAL NOTES: DEMOLITION PLANS

- A. MAINTAIN FIRE RESISTIVE RATINGS OF ALL EXISTING CONSTRUCTION TO REMAIN.
B. WHERE DEMOLITION OF BUILDING ELEMENTS IS INDICATED, REMOVE ALL PORTIONS OF CONSTRUCTION OF THAT ELEMENT INCLUDING ITEMS MOUNTED TO, HOUSED WITHIN, OR OTHERWISE DEPENDENT OF THE ELEMENT, UNLESS NOTED OTHERWISE.
C. PROVIDE TEMPORARY CONSTRUCTION DUST PARTITIONS WITHIN THE CONSTRUCTION AREA THROUGHOUT THE DURATION OF THE PROJECT. COORDINATE LOCATION WITH OWNER.

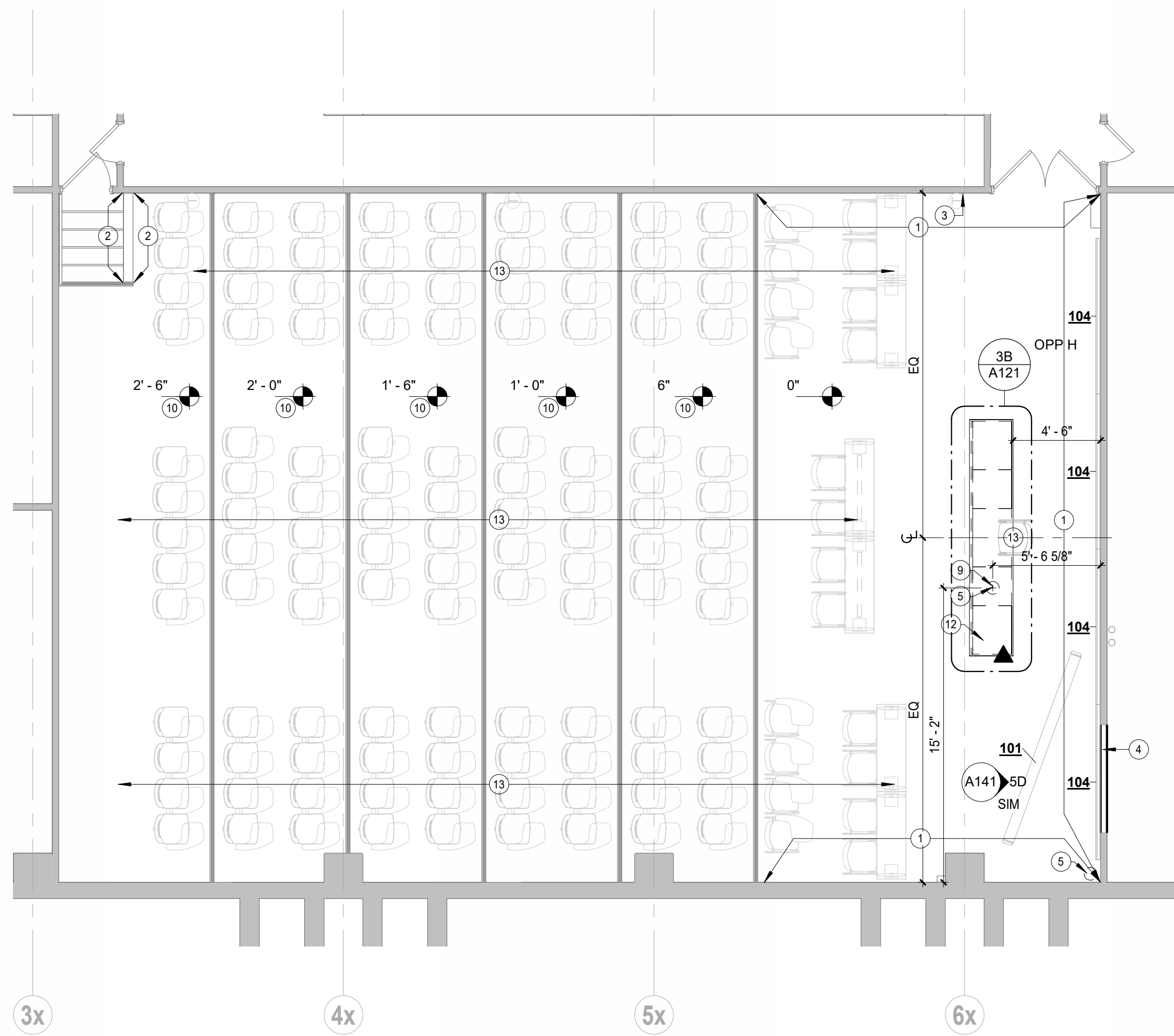
PLAN NOTES - DEMOLITION PLAN

- 1 REMOVE LOOSE AND FIXED TABLE ARM CHAIRS. PROTECT WOOD RISERS FROM DAMAGE WHEN REMOVING FASTENERS AT FIXED FURNITURE.
2 FLOOR FINISH ON LOWER TIERS WILL BE REMOVED BY OWNER PRIOR TO WORK IN CONTRACT.
3 REMOVE VCT FLOORING, METAL NOSINGS, AND RESILIENT RISERS COMPLETE.
4 REMOVE WHITEBOARDS AND ALL RELATED BRACKETS AND ADHESIVES. REPAIR WALL AS NEEDED TO RECEIVE NEW PAINT AND WHITEBOARDS.
5 REMOVE PULL-DOWN PROJECTOR SCREEN AND RELATED BRACKET SYSTEM. PATCH AND REPAIR TO RECEIVE NEW FINISHES. REFER TO IMAGE 3.
6 REMOVE CASEWORK COMPLETE. PATCH AND REPAIR FLOOR AS REQUIRED TO RECEIVE NEW FLOORING. COORDINATE WITH MEP FOR REMOVAL AND TERMINATION OF PLUMBING AND LABORATORY SERVICES. REFER TO IMAGE 2.
7 SALVAGE SYMPODIUM FOR USE BY OWNER.
8 SALVAGE PENCIL SHARPENER FOR REINSTALLATION.
9 GC TO REMOVE CARPET FLOORING AND RESILIENT WALL BASE COMPLETE ON ALL UPPER CLASSROOM LEVELS.
10 REMOVE TACK BOARD COMPLETE TO BE SALVAGED FOR OWNER. PATCH AND REPAIR AFTER REMOVAL TO RECEIVE NEW FINISHES.
11 SALVAGE WALL CLOCK FOR REINSTALLATION.
12 SALVAGE WALL MOUNTED HAND SANITIZER FOR REINSTALLATION.
13 SALVAGE WALL MOUNTED FIRE EXTINGUISHER FOR REINSTALLATION.
14 SALVAGE PERIODIC TABLE AND TURN OVER TO OWNER PRIOR TO REMOVAL OF TACKBOARD. PREP AREA FOR CONSTRUCTION OF INFILL WALL.
15 REMOVE DOOR, FRAME, AND HARDWARE COMPLETE. DEMOLISH BLOCK TO NEAREST VERTICAL JOINT. PREP WALL FOR INFILL.
16 REMOVE AIR, WATER, AND GAS LINES. REFER TO MEP SERIES FOR MORE DETAILS.
17 REMOVE ALL EXISTING WALL, CEILING, AND BEAM MOUNTED ACOUSTIC PANELS COMPLETE, INCLUDING ANY MOUNTING HARDWARE AND MASTIC DOWN TO FACE OF CONCRETE OR BLOCK WALL. REFERENCE IMAGE 1.
18 REMOVE ANY REMAINING BRACKETS FROM PREVIOUS PROJECTOR SCREENS. PATCH AND REPAIR TO RECEIVE NEW FINISHES. REFER TO IMAGE 3.
19 REMOVE ELECTRIC POWERED PROJECTOR SCREEN AND ANY RELATED BRACKETS COMPLETE. PATCH AND REPAIR TO RECEIVE NEW FINISHES. REFER TO IMAGE 3.
20 SALVAGE PROJECTOR FOR REINSTALLATION.
21 SAWCUT HOLE IN FLOOR FOR CONDUIT TO RUN. SEE MEP SERIES FOR MORE INFORMATION.
22 SAWCUT PATH WITHIN EXISTING SLAB TO ALLOW FOR RUN OF CONDUIT TO CASEWORK.
24 SALVAGE OVERHEAD CEILING ARRAY MICROPHONES FOR REINSTALLATION.
25 REMOVE UTILITY TROUGH COMPLETE. PREP FOR NEW CONCRETE.
26 REFER TO MEPT SERIES FOR REMOVAL OF UTILITIES. PATCH ANY PENETRATIONS TO RECEIVE NEW FLOORING.
27 REMOVE CORNER GUARDS COMPLETE. PREP GYP TO RECEIVE NEW CORNER GUARDS AND PAINT.

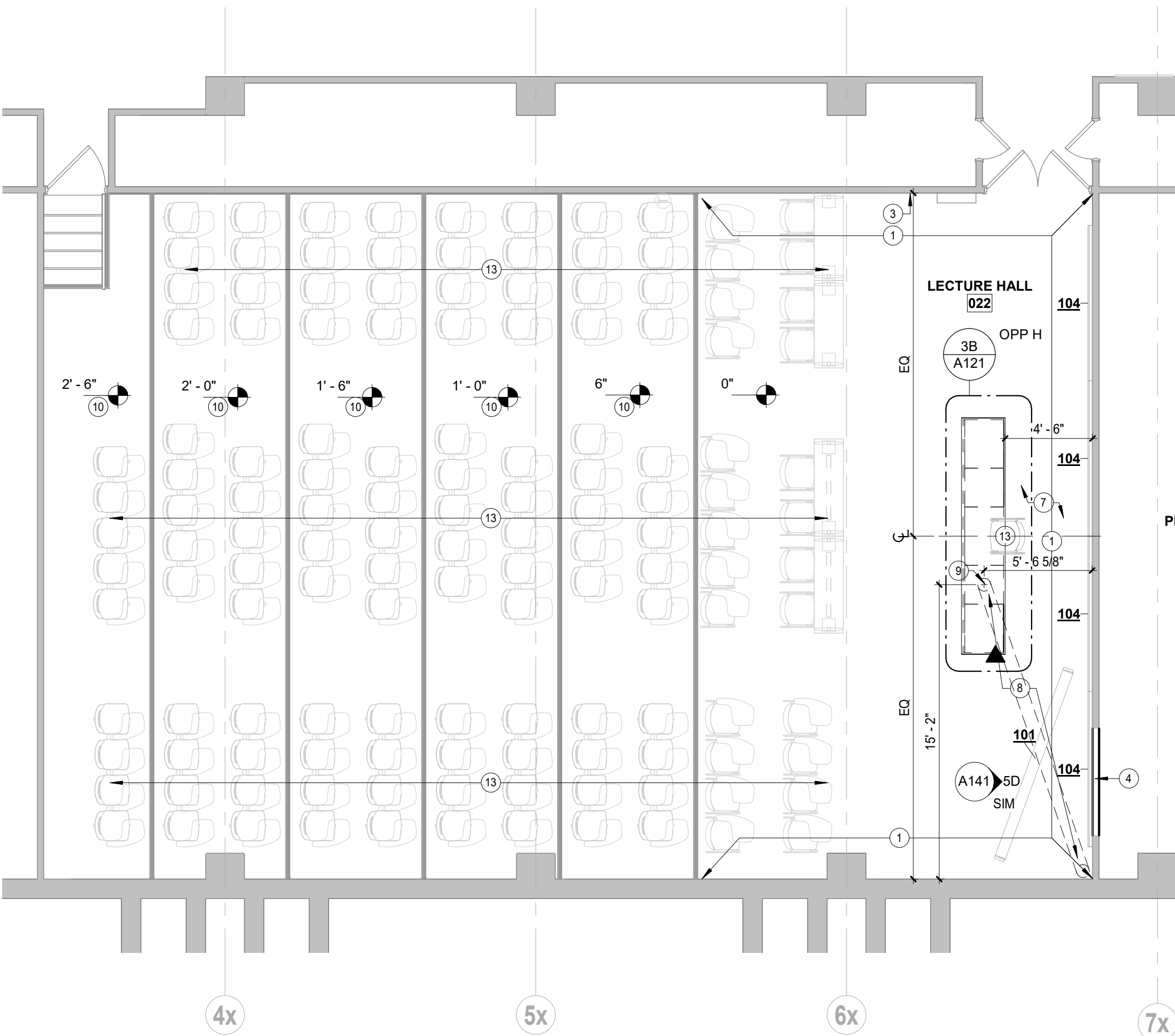


7/29/2026 1:59:22 PM Autodesk Docs/26139 - ISU Science Classroom/26139 - ISU Science Classrooms_V05_a0.rvt

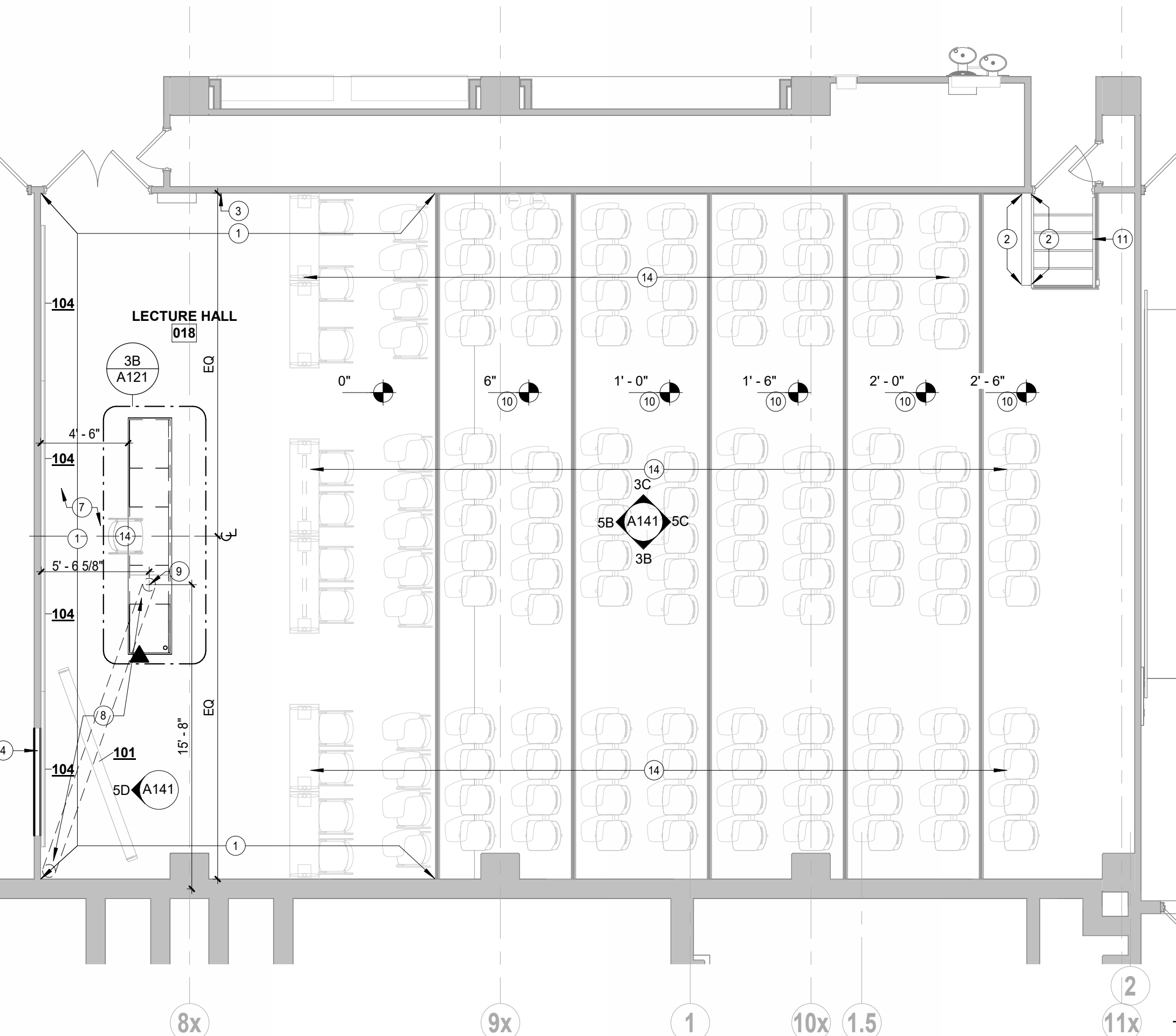
5A FLOOR PLAN - 138
3/16" = 1'-0"



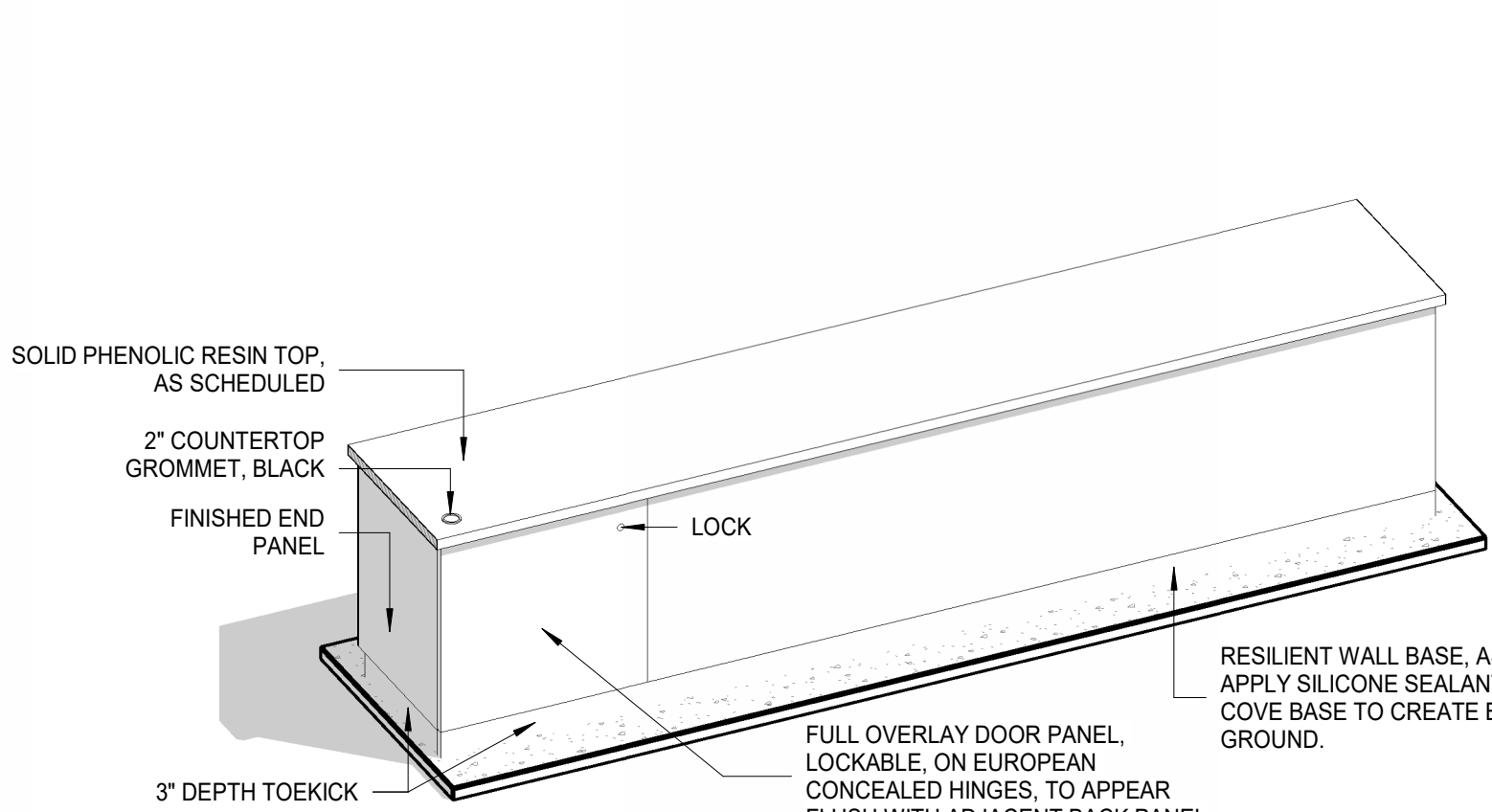
3A FLOOR PLAN - 022
3/16" = 1'-0"



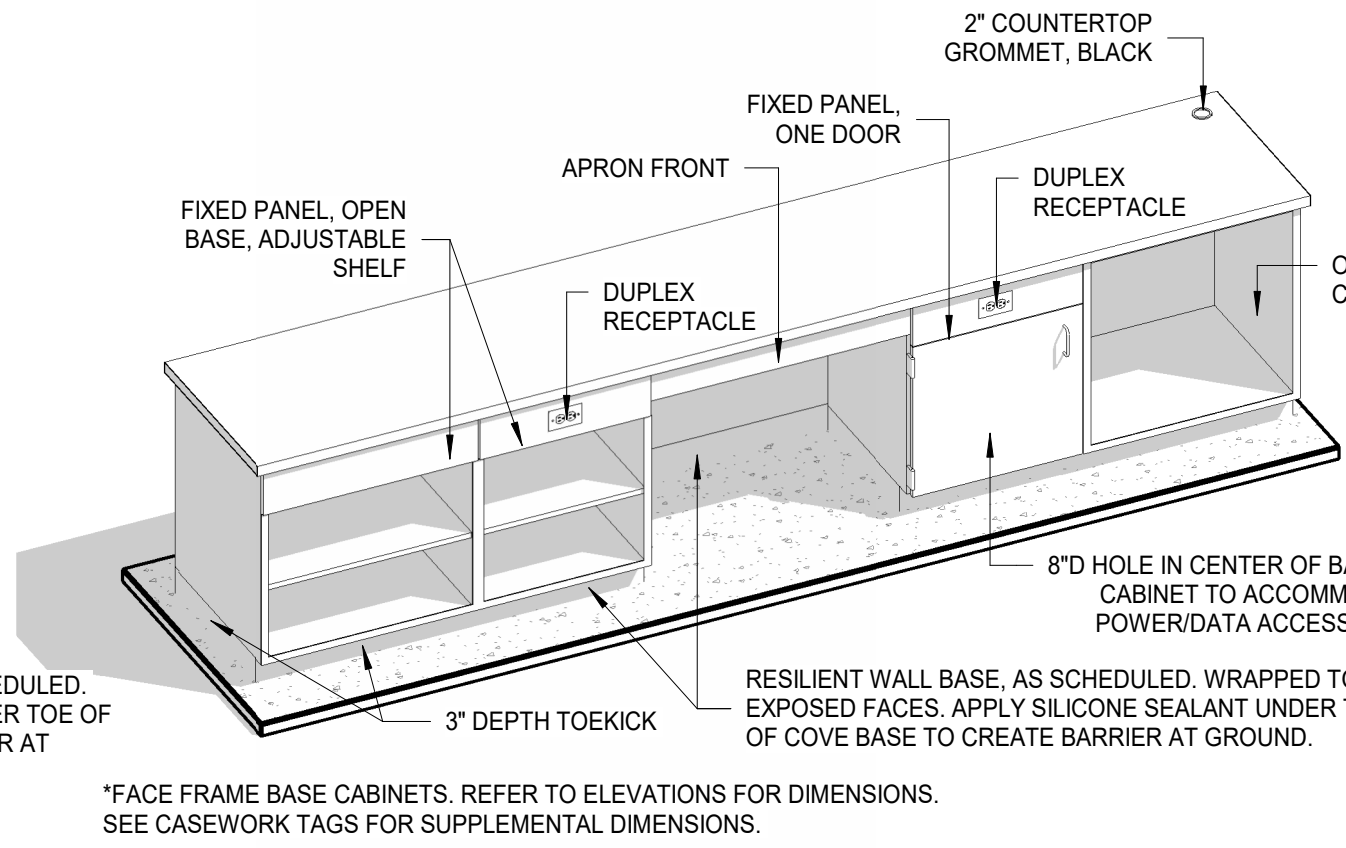
1A FLOOR PLAN - 018
3/16" = 1'-0"



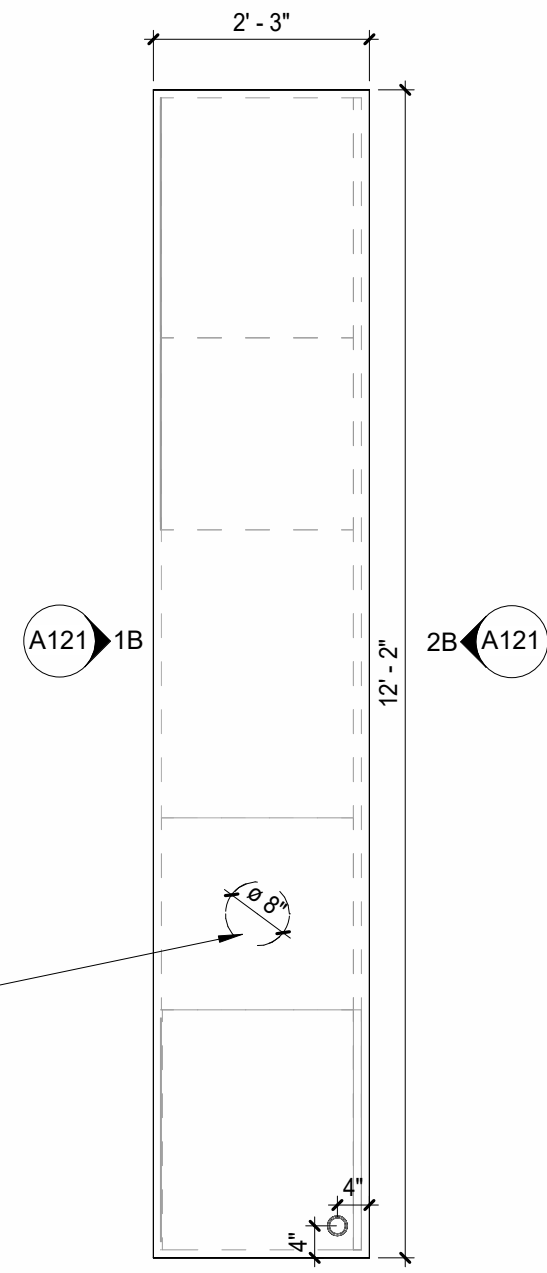
5B 3D VIEW - CASEWORK FRONT
REF: 1A/1A21



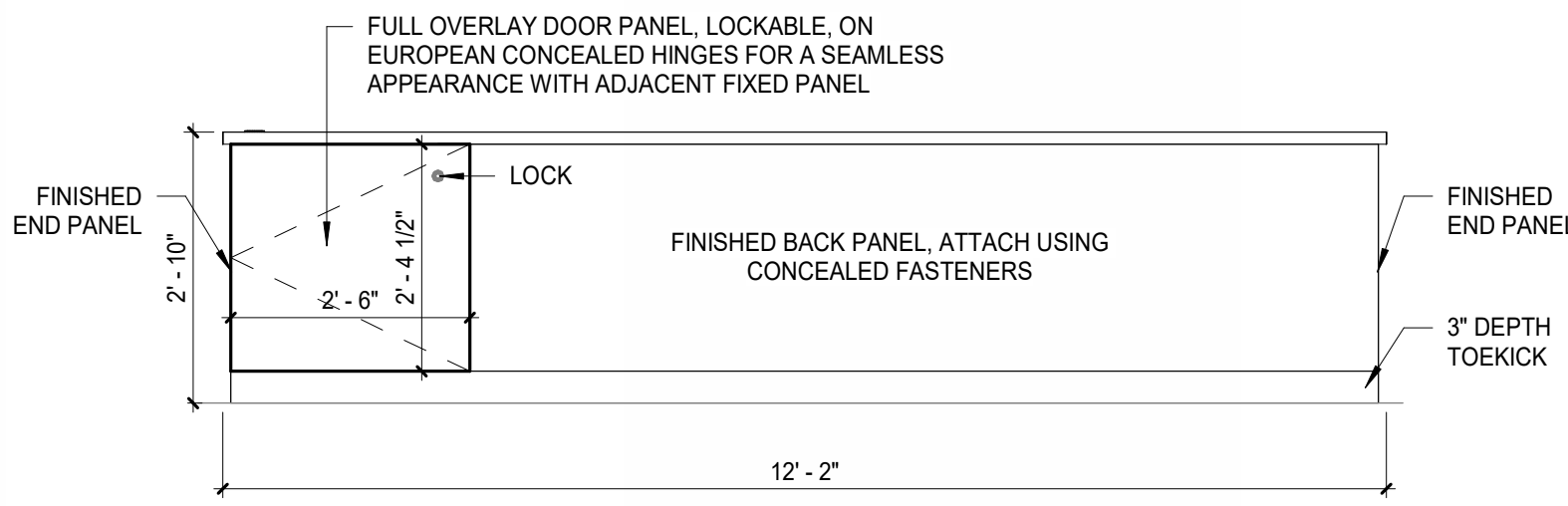
4B 3D VIEW - CASEWORK FRONT
REF: 1A/1A21



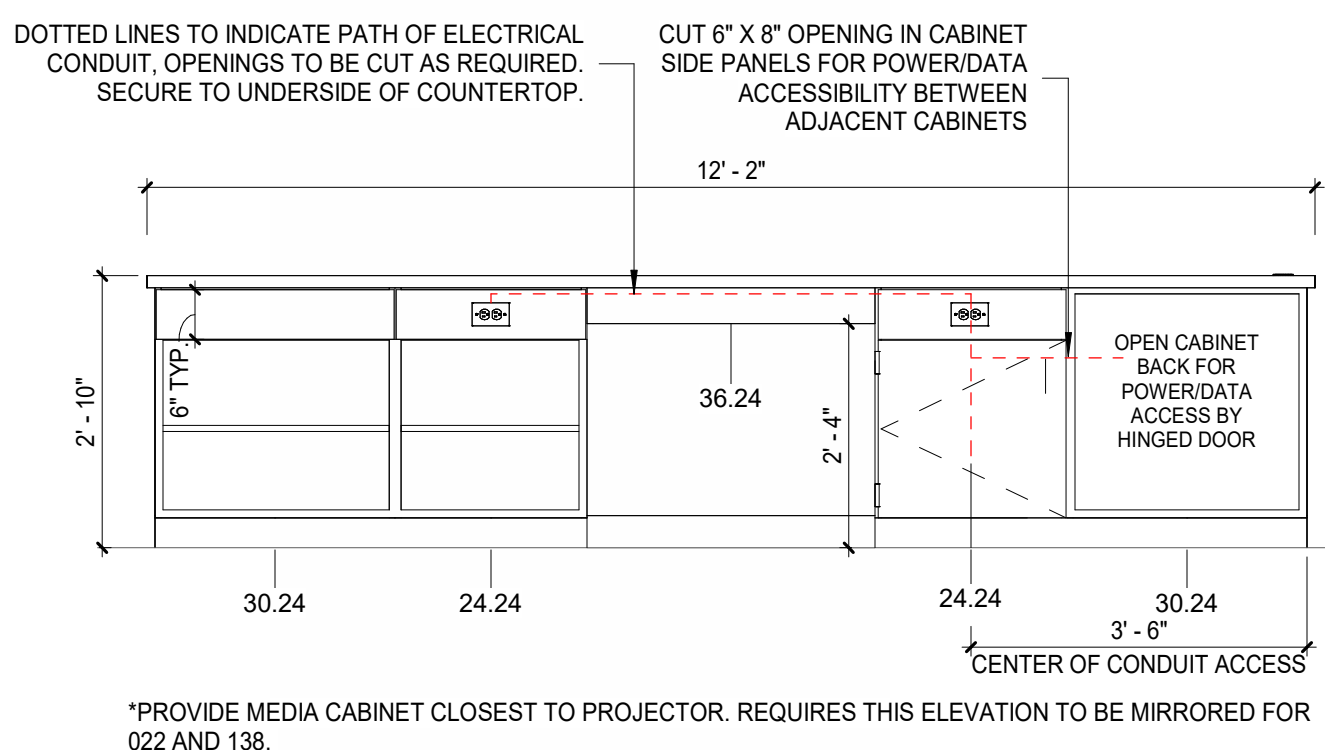
3B ENLARGED PLAN - DEMO. TABLE
1/2\" = 1'-0\" REF: 1A/1A21



2B TYP. DEMONSTRATION TABLE ELEVATION - REAR
1/2\" = 1'-0\" REF: 1B/1A21

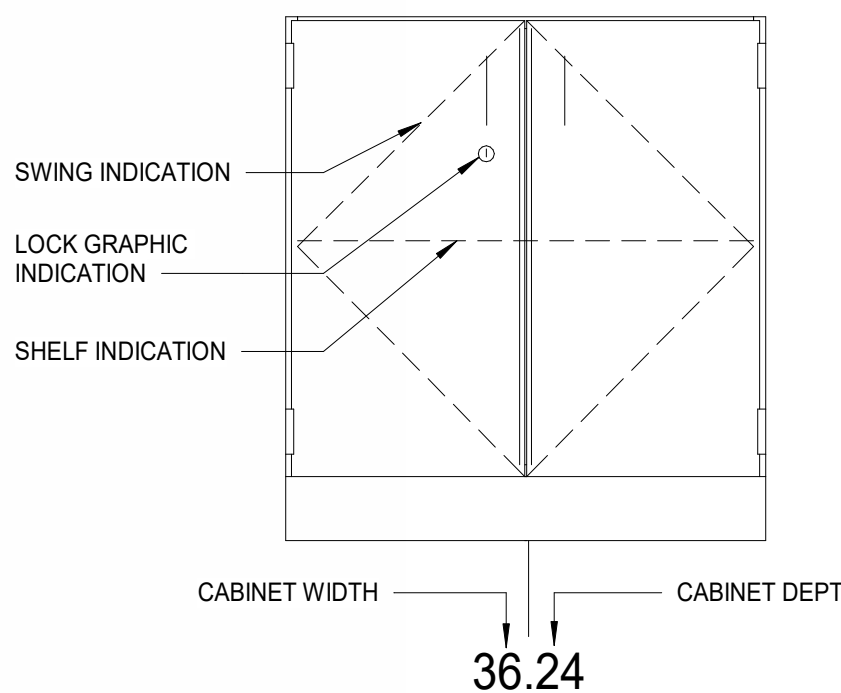


1B TYP. DEMONSTRATION TABLE ELEVATION - FRONT
1/2\" = 1'-0\" REF: 1B/1A21



CASEWORK NAMING CONVENTION

TAG (SHOWN IN ELEVATION):



DOTTED LINES TO INDICATE PATH OF ELECTRICAL CONDUIT. OPENINGS TO BE CUT AS REQUIRED. SECURE TO UNDERSIDE OF COUNTERTOP.

CUT 6\"/>

*PROVIDE MEDIA CABINET CLOSEST TO PROJECTOR. REQUIRES THIS ELEVATION TO BE MIRRORRED FOR 022 AND 138.

EQUIPMENT SCHEDULE		
	MANUFACTURER	NOTE
	SEE TELECOM SERIES	CONFIRM FINAL LOCATION WITH OWNER.
	SEE TELECOM SERIES	CONFIRM FINAL LOCATION WITH OWNER.
	SEE TELECOM SERIES	CONFIRM FINAL LOCATION WITH OWNER.
x 8'-0"	SEE SPECIFICATION FOR MORE INFORMATION	PROVIDE SPICE BETWEEN ADJACENT PANELS TO ALLOW FOR CONTINUOUS WRITING SURFACE.
	AUMDUMITE	COORDINATE LOCATIONS WITH INTERIOR ELEVATIONS AND RCP. ALIGN HEIGHT WITH DEMOLISHED PANELS TO COVER IMPERFECTIONS.
	AUMDUMITE	COORDINATE LOCATIONS WITH INTERIOR ELEVATIONS AND RCP. ALIGN HEIGHT WITH DEMOLISHED PANELS TO COVER IMPERFECTIONS.
	AUMDUMITE	COORDINATE LOCATIONS WITH INTERIOR ELEVATIONS AND RCP. ALIGN HEIGHT WITH DEMOLISHED PANELS TO COVER IMPERFECTIONS.
	AUMDUMITE	COORDINATE LOCATIONS WITH INTERIOR ELEVATIONS AND RCP. ALIGN HEIGHT WITH DEMOLISHED PANELS TO COVER IMPERFECTIONS.
	AUMDUMITE	PLACEMENT ACCORDING TO TYP. INTERIOR ELEVATIONS
	AUMDUMITE	PLACEMENT ACCORDING TO TYP. INTERIOR ELEVATIONS

SCHEDULE NOTES: (E) EQUIPMENT

- A. COORDINATE ALL IT EQUIPMENT WITH MEP AND TELECOM SERIES DRAWINGS.
B. VERIFY PLAN NOTES TO COORDINATE SALVAGED EQUIPMENT TO BE REINSTALLED. COORDINATE FINAL LOCATIONS WITH OWNER.

PATCH INVENTORY - EXISTING HOLES/BLEMISHES

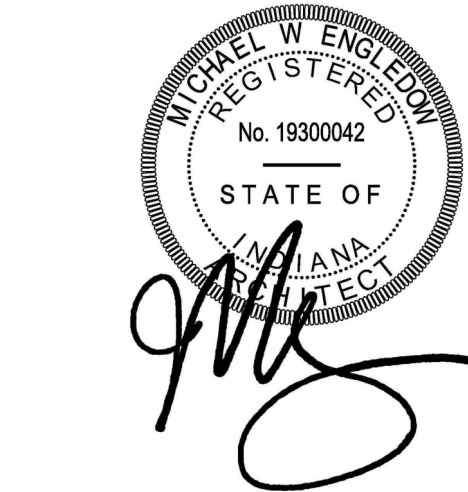
TYPE	EXAMPLE	APPR. COUNT		
		018	022	122
SMALL < 1\"/>		10	3	5
MEDIUM 1\"/>		4	1	2
LARGE > 8\"/>		2	0	3

GENERAL NOTES: ARCHITECTURAL PLANS

- A. REFERENCE SHEET A150 SERIES FOR INTERIOR FINISH PLANS.
B. SEE SHEET A150 \"INTERIOR FINISH LEGEND\" AND ROOM FINISH SCHEDULE FOR FINISHES SUCH AS FLOORING, PAINT OR COVERINGS APPLIED TO WALL AND FLOOR CONSTRUCTION.

PLAN NOTES - FLOOR PLAN

- PATCH WALL CONSTRUCTION WHERE ELECTRICAL AND OR COMMUNICATIONS DEVICES ARE INDICATED TO BE REMOVED.
- SEAL ALL JOINTS.
- REINSTALL PENCIL SHARPENER.
- INFILL WALL WHERE DOOR WAS REMOVED WITH MATCHING BLOCK. PATCH AND REPAIR SURROUNDING WALL. REFER TO ELEVATION FOR MORE DETAILS.
- PENETRATION IN FLOOR FOR CONDUIT. SEE MEPT SERIES FOR MORE INFORMATION.
- PATCH PREVIOUS AIR, WATER, AND GAS TROUGH WITH CONCRETE UP TO LEVEL OF FLOOR TO RECEIVE NEW FLOORING.
- PATCH CONCRETE WHERE NEW CONDUIT TROUGH IS RUN. LEVEL CONCRETE WITH ADJACENT TO RECEIVE NEW FINISHES. REFER TO MEP SERIES FOR MORE INFORMATION.
- CONDUIT ACCESS THROUGH BASE OF CASEWORK.
- PROVIDE 8 SCREWS PER JOIST ON EVERY RAISED PLATFORM LEVEL TO SUPPORT THE SUBFLOOR. ALTERNATE BID NO. 2. SCREW AND GLUE AN ADDITIONAL LAYER 3/4\"/>
- CLEAN AND REPAIR EXISTING METAL HANDRAILING AS NEEDED.
- PATCH PENETRATIONS LEFT BY REMOVAL OF AIR, GAS, AND WATER. PREP TO RECEIVE NEW FLOORING.
- FURNITURE SHOWN FOR REFERENCE ONLY, NOT INCLUDED IN CONTRACT.
- FURNITURE SHOWN FOR REFERENCE. REFER TO SPECIFICATION SECTION 12.61.00 - LECTURE ROOM FURNITURE, AND ALTERNATE 5 FOR INFORMATION REGARDING FURNITURE IN 018.



INDIANA STATE UNIVERSITY
ISU SCIENCE BUILDING ROOMS 018, 022, AND 138
RENOVATION - ISU Bid No. B0028832
SCIENCE BUILDING, 600 CHESTNUT ST, TERRE HAUTE, IN 47809

100% BID DOCUMENTS

REVISIONS:

DATE:
07/29/2026
arcDESIGN PROJECT NUMBER:
26139
CLIENT PROJECT NUMBER:
B0028832
DRAWN BY:
NL/JBA
DRAWING TITLE:

FLOOR PLANS
AND CASEWORK
DETAILS

DRAWING NUMBER:

A121



GENERAL NOTES: INTERIOR ELEVATIONS

- INTERIOR ELEVATION NOTES

- ### GENERAL NOTES: REFLECTED CLNG PLANS

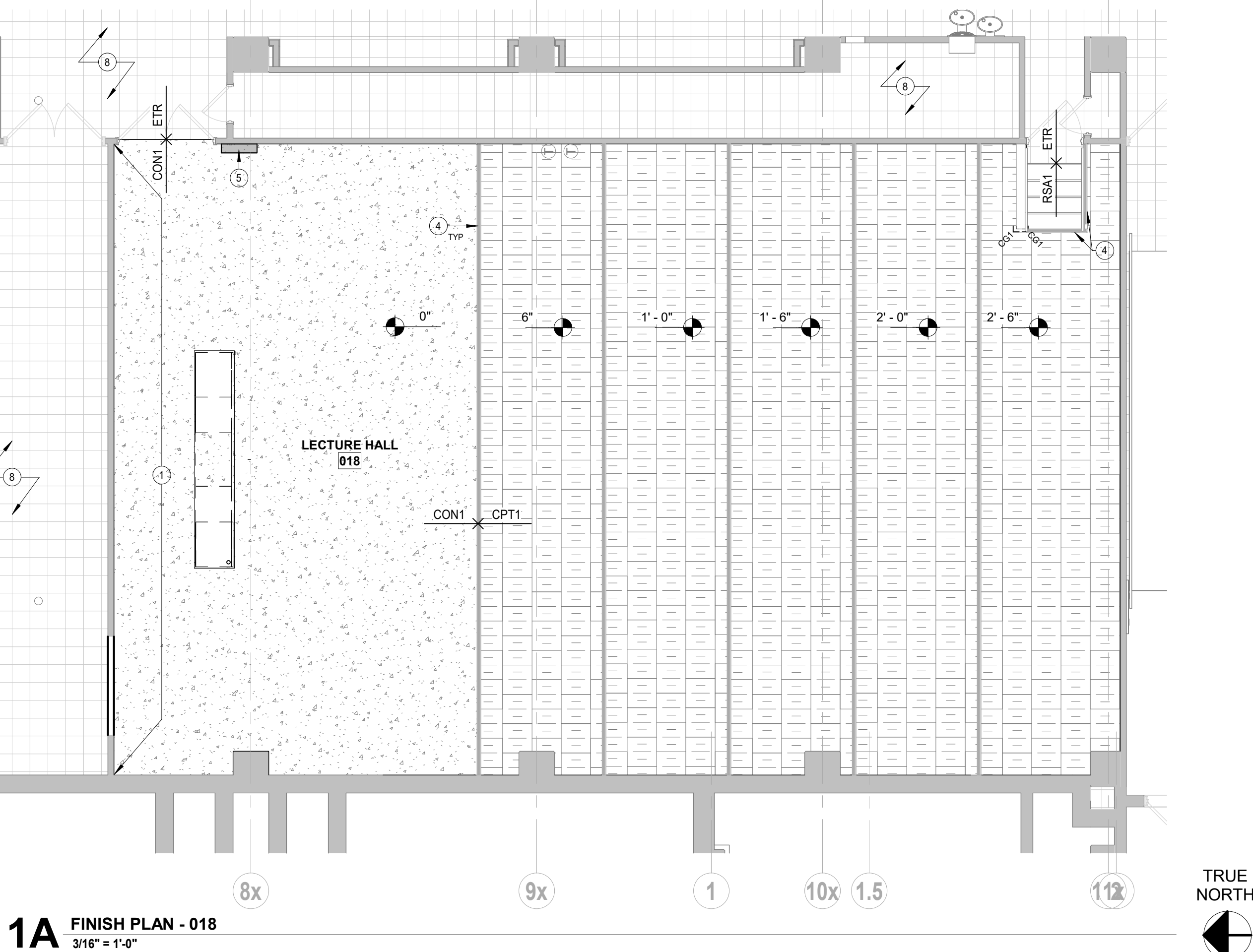
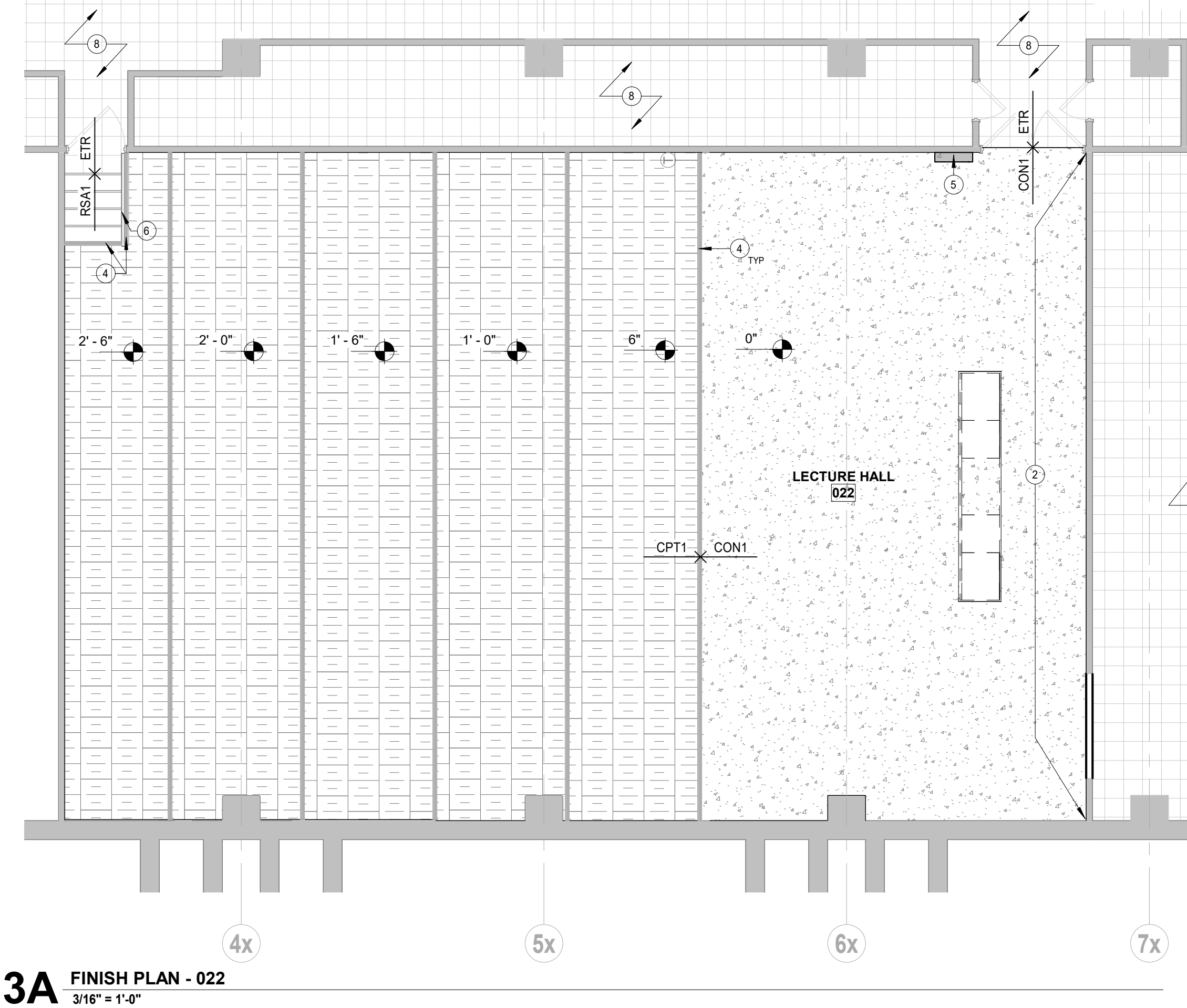
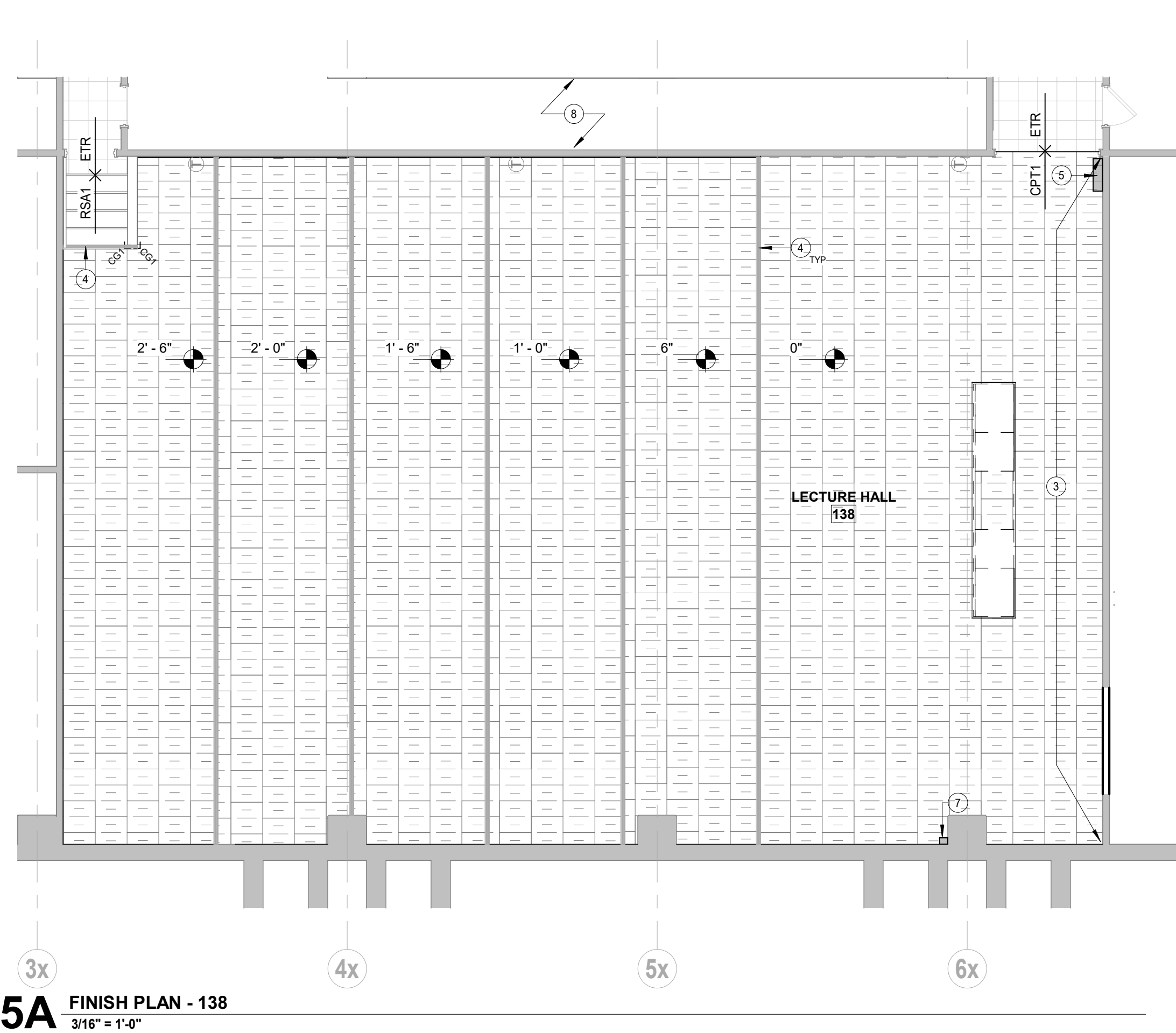
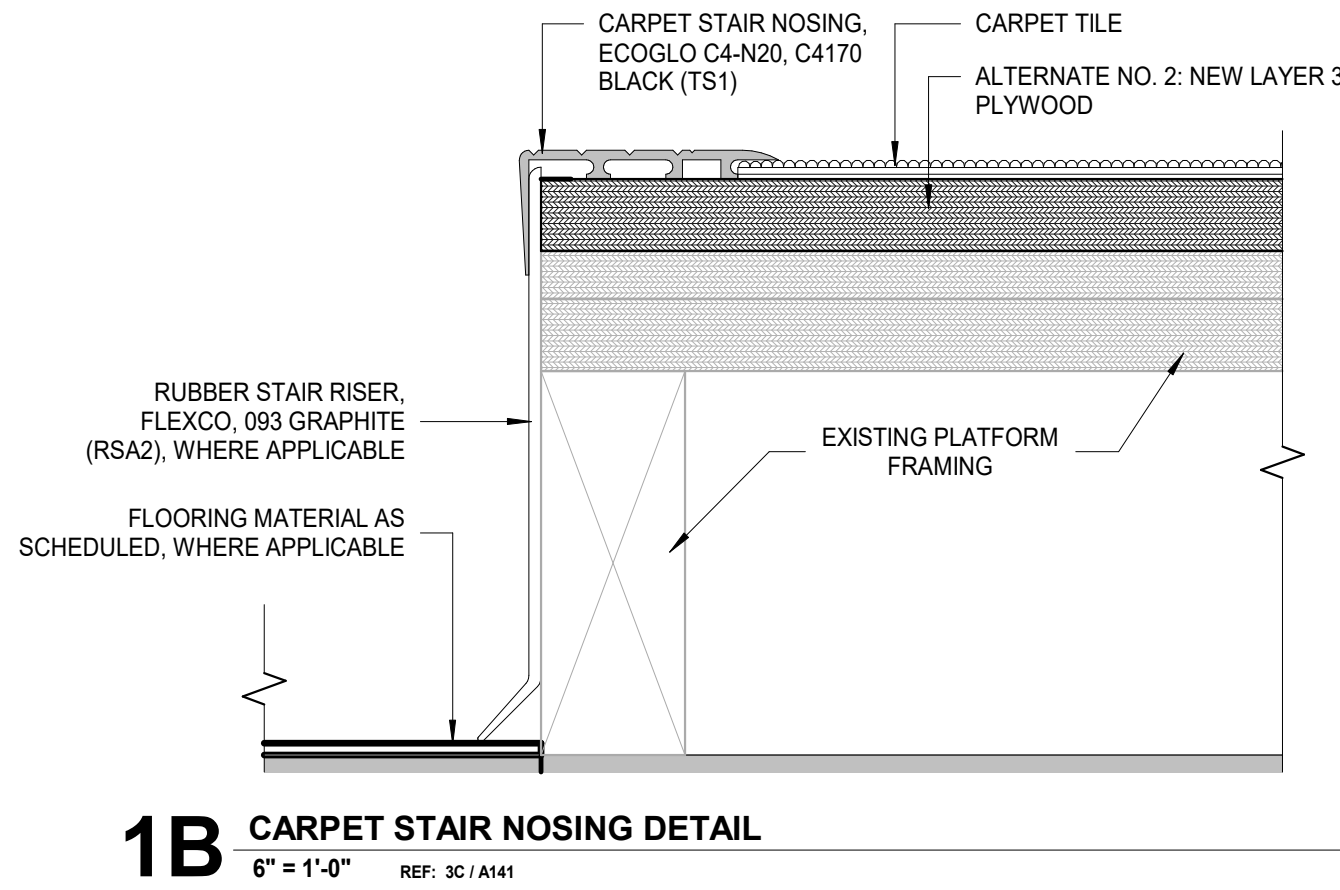
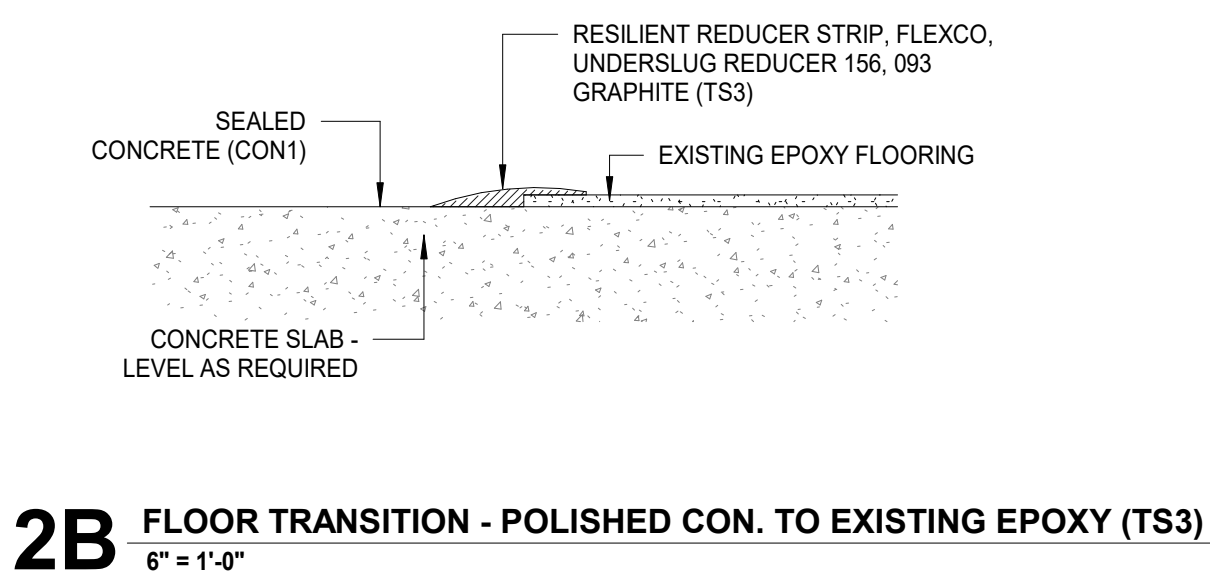
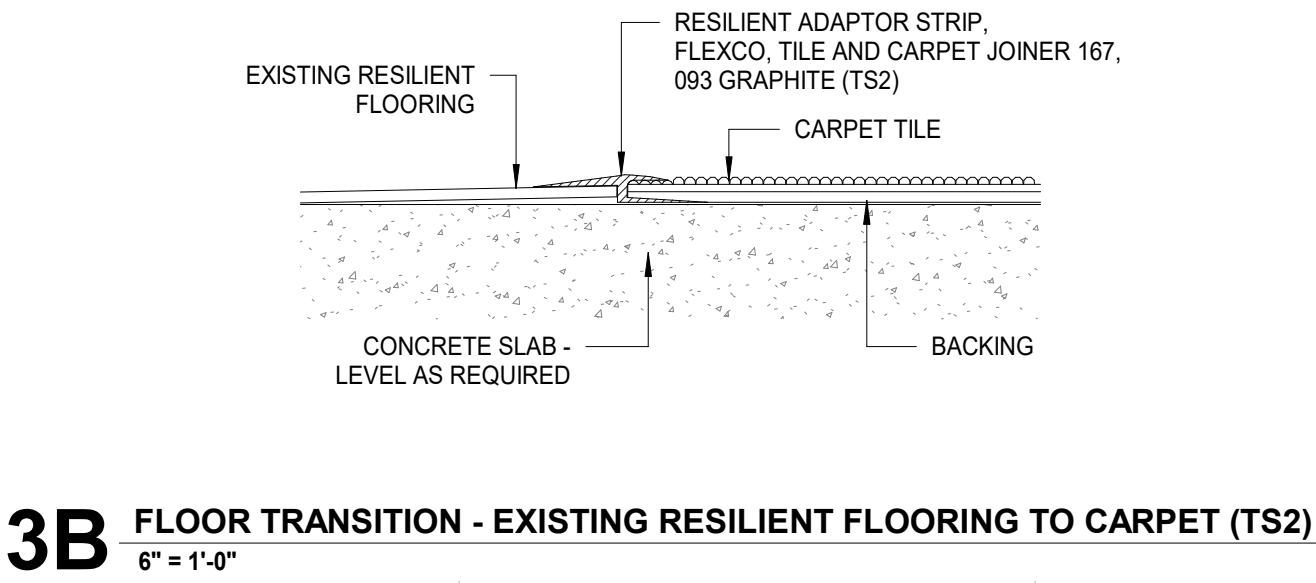
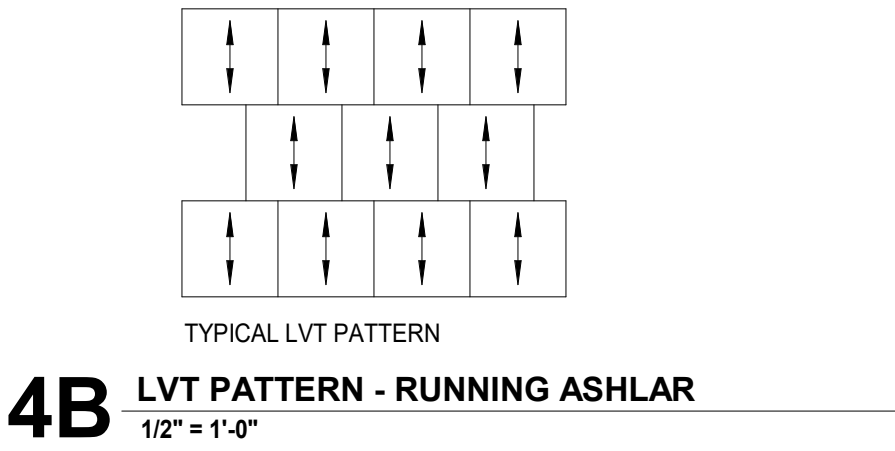
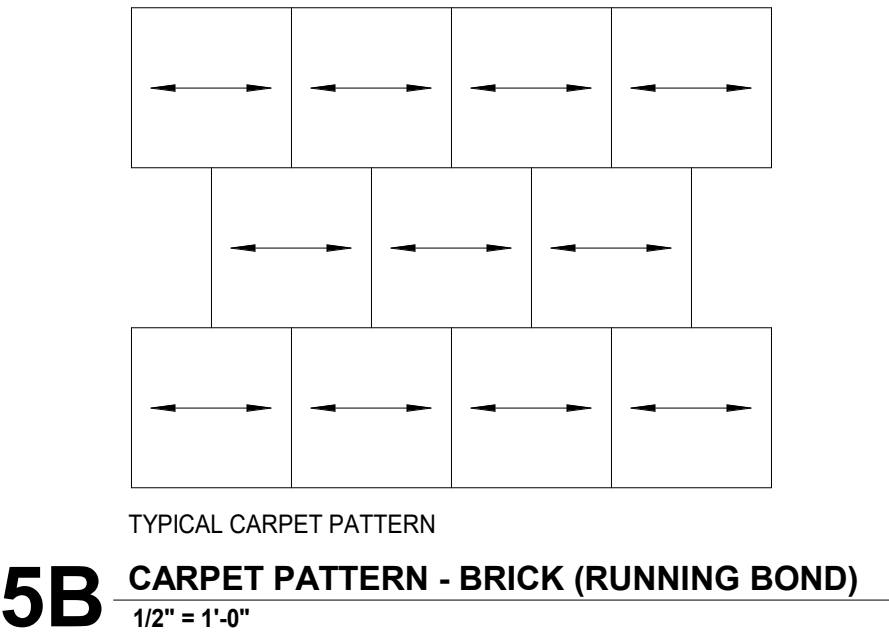
- PLAN NOTES - REFLECTED CEILING PLAN

- 5C** INTERIOR ELEVATION - TYPICAL
3/8" = 1'-0" REF: 1A / A121



A141

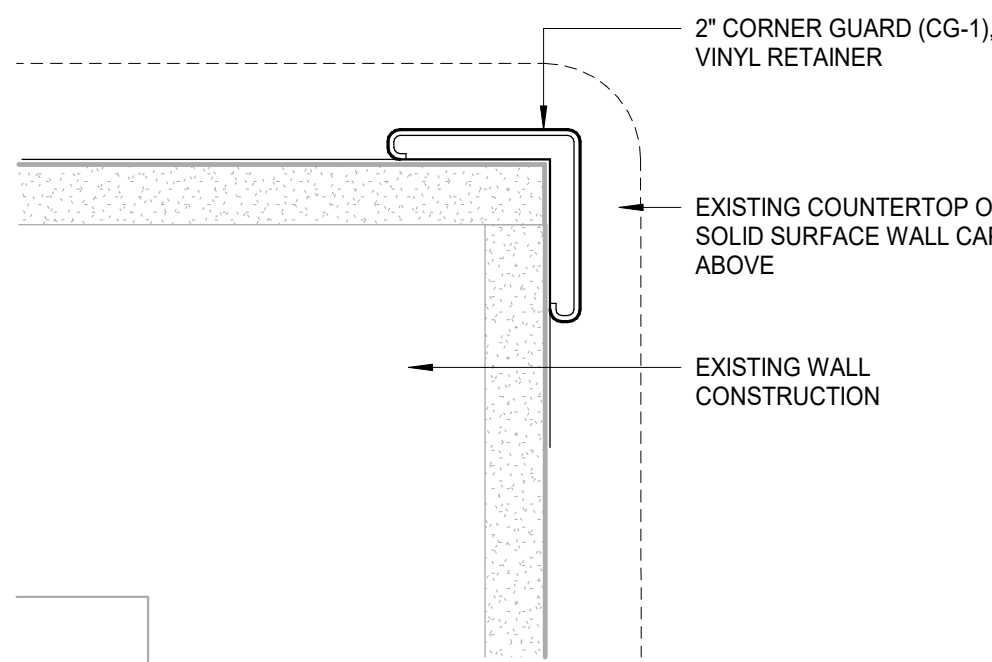
FINISH LEGEND					
MARK	SPECIFICATION	MANUFACTURER	PRODUCT	ADDITIONAL INFORMATION	REP CONTACT
ACOUSTIC PANEL					
AP1	09 84 30 SOUND ABSORBING WALL AND CEILING UNITS	AUDIMUTE	ACOUSTICOLOR TILES, 1' X 6', 1.5" THICKNESS	MATCH SW 7067 CITYSCAPE (CEILING COLOR)	CUSTOMEREXPERIENCE@AUDIMUTE.COM; 1-866-505-6883
AP2	09 84 30 SOUND ABSORBING WALL AND CEILING UNITS	AUDIMUTE	ACOUSTICOLOR TILES, 1' X 8', 1.5" THICKNESS	MATCH SW 7067 CITYSCAPE (CEILING COLOR)	CUSTOMEREXPERIENCE@AUDIMUTE.COM; 1-866-505-6883
AP3	09 84 30 SOUND ABSORBING WALL AND CEILING UNITS	AUDIMUTE	ACOUSTICOLOR TILES, 1' X 8', 1.5" THICKNESS	MATCH SW 7646 FIRST STAR (GENERAL WALL COLOR)	CUSTOMEREXPERIENCE@AUDIMUTE.COM; 1-866-505-6883
AP4	09 84 30 SOUND ABSORBING WALL AND CEILING UNITS	AUDIMUTE	FABRIC ACOUSTIC PANELS, FR701, 2' X 4', 1.5" THICKNESS	DUVALTEX FR701 2100, MEDIUM GREY 298	CUSTOMEREXPERIENCE@AUDIMUTE.COM; 1-866-505-6883
AP5	09 84 30 SOUND ABSORBING WALL AND CEILING UNITS	AUDIMUTE	FABRIC ACOUSTIC PANELS, FR701, 3' X 3', 1.5" THICKNESS	DUVALTEX FR701 2100, MEDIUM GREY 298	CUSTOMEREXPERIENCE@AUDIMUTE.COM; 1-866-505-6883
CARPET					
CPT1	09 68 13 TILE CARPETING	INTERFACE	STRAIGHT EDGE 1462302500, SLATE 102860	50CM X 50 CM, BRICK INSTALLATION	JAE PARK; 317-459-8762; JAE.PARK@INTERFACE.COM
CONCRETE					
CON1	03 35 43 POLISHED CONCRETE FINISHING		REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION		
CORNER GUARD					
CG1	10 26 00 WALL AND DOOR PROTECTION	INPRO	1608N BLUNOSE SURFACE MOUNT CORNER GUARD, 90 DEGREE, 2" WING, 4' HEIGHT	GALA 0380, CUT TO TOP OF WALL CAP	DAVID HARMON; 317-937-0494; DHARMON@INPROCORP.COM
EPOXY RESIN					
ER1	12 35 53.19 WOOD LABORATORY CASEWORK	REFER TO SPECIFICATION	SOLID PHENOLIC RESIN COUNTERTOP	BLACK	
PAINT					
P1	09 91 23 INTERIOR PAINTING	SHERWIN WILLIAMS	SW 7646 FIRST STAR	GENERAL WALL COLOR	KAREN MCILWAIN; 317-714-5610; KAREN.MCILWAIN@SHERWIN.COM
P2	09 91 23 INTERIOR PAINTING	SHERWIN WILLIAMS	SW 7067 CITYSCAPE	CEILING COLOR	KAREN MCILWAIN; 317-714-5610; KAREN.MCILWAIN@SHERWIN.COM
P3	09 91 23 INTERIOR PAINTING	SHERWIN WILLIAMS	SW 6801 REGALE BLUE	LIGHT BLUE ACCENT COLOR	KAREN MCILWAIN; 317-714-5610; KAREN.MCILWAIN@SHERWIN.COM
P4	09 91 23 INTERIOR PAINTING	SHERWIN WILLIAMS	SW 6802 JACARANDA	MEDIUM BLUE ACCENT COLOR	KAREN MCILWAIN; 317-714-5610; KAREN.MCILWAIN@SHERWIN.COM
P5	09 91 23 INTERIOR PAINTING	SHERWIN WILLIAMS	SW 6803 DANUBE	BOLD BLUE ACCENT COLOR	KAREN MCILWAIN; 317-714-5610; KAREN.MCILWAIN@SHERWIN.COM
P6	09 91 23 INTERIOR PAINTING	SHERWIN WILLIAMS	MATCH EXISTING DOORS		KAREN MCILWAIN; 317-714-5610; KAREN.MCILWAIN@SHERWIN.COM
RESILIENT FLOORING - TILE					
RFT1	09 65 00 RESILIENT FLOORING	MANNINGTON	AMTICO SIGNATURE - ABSTRACT, EQUATOR WAVE EQ39, UNBEVELED EDGE	12" X 12", RUNNING ASHLAR INSTALLATION	NEIL MACK; 317-800-0680; NEIL.MACK@MANNINGTON.COM
RESILIENT STAIR ACCESSORIES					
RSA1	09 65 00 RESILIENT FLOORING	FLEXCO	DISTINCT DESIGNS, 975 HEAVY DUTY HAMMERED RUBBER STAIR TREAD W/ INSERT, 093 GRAPHITE	2" VISUALLY IMPAIRED SMOOTH RUBBER TREAD INSERT, BLACK; SIZE TO EXISTING STAIRS	GREG GUAGENTI; 423-718-1470; GGUAGENTI@FLEXCOFLOORS.COM
RSA2	09 65 00 RESILIENT FLOORING	FLEXCO	DISTINCT DESIGNS, RUBBER STAIR RISER, 093 GRAPHITE	SIZE TO EXISTING STAIRS	GREG GUAGENTI; 423-718-1470; GGUAGENTI@FLEXCOFLOORS.COM
RSA3	09 65 00 RESILIENT FLOORING	FLEXCO	DISTINCT DESIGNS, RUBBER STAIR STRINGER, 093 GRAPHITE	SIZE TO EXISTING STAIRS	GREG GUAGENTI; 423-718-1470; GGUAGENTI@FLEXCOFLOORS.COM
TRIM STRIP					
TS1	09 68 13 TILE CARPETING	ECOGLO	C4-N20 CARPET STAIR NOSING	CLEAR ANODIZED, C4170 BLACK	ANIL PARMACHAND; 630-881-9320; ANILP@ECOGLO.US
TS2	09 65 00 RESILIENT FLOORING	FLEXCO	TILE AND CARPET JOINER 167	093 GRAPHITE	GREG GUAGENTI; 423-718-1470; GGUAGENTI@FLEXCOFLOORS.COM
TS3	09 65 00 RESILIENT FLOORING	FLEXCO	UNDERSLUG REDUCER 156	093 GRAPHITE	GREG GUAGENTI; 423-718-1470; GGUAGENTI@FLEXCOFLOORS.COM
WALL BASE					
WB1	09 65 00 RESILIENT FLOORING	FLEXCO	4" COVE TP BASE 2000, 093 GRAPHITE	ROLLED GOODS	GREG GUAGENTI; GGUAGENTI@FLEXCOFLOORS.COM
WOOD					
WD1	12 35 53.19 WOOD LABORATORY CASEWORK	REFER TO SPECIFICATION	201 NATURAL MAPLE		



ROOM FINISH SCHEDULE										
ROOM		FLOOR		WALL FINISH				CASEWORK		
NUMBER	NAME	FLOOR FINISH	BASE FINISH	NORTH	SOUTH	EAST	WEST	CABINET FINISH	COUNTER FINISH	COMMENTS
LOWER LEVEL										
018	LECTURE HALL	CPT1, CON1	WB1, RSA2	P1	P1	P1	P3	WD1	ER1	1, 2, 3
022	LECTURE HALL	CPT1, CON1	WB1, RSA2	P1	P1	P4	P1	WD1	ER1	1, 2, 3
1ST FLOOR										
138	LECTURE HALL	CPT1	WB1, RSA2	P1	P1	P5	P1	WD1	ER1	1, 2

- ROOM FINISH SCHEDULE NOTES:**
- REFERENCE ROOM FINISH LEGEND FOR FINISHES INDICATED ON THIS SCHEDULE.
 - REFERENCE REFLECTED CEILING PLANS FOR CEILING TYPES AND FINISHES APPLIED TO CEILINGS.
 - REFERENCE INTERIOR FLOOR PLANS FOR FLOOR FINISH TRANSITIONS AND MATERIALS.
 - WHERE MULTIPLE FINISHES ARE SCHEDULED, REFERENCE ENLARGED PLANS, ELEVATIONS, AND DETAIL VIEWS FOR FINISH PLACEMENT.
 - FINISH SHOULD BE CONTINUOUS ON THE ENTIRE PLANE FROM CORNER TO CORNER UNLESS NOTED OTHERWISE.
 - EP = EPOXY P# TO BE USED ON WALLS AS INDICATED IN ROOM FINISH SCHEDULE AND/OR ON FINISH PLANS.

- COMMENTS: ROOM FINISH SCHEDULE**
- EXISTING RISER TIERS TO RECEIVE **RSA2** AND MECHANICALLY FASTENED METAL STAIR NOSING, **TS1**, AT EXISTING RISER. SEE TYPICAL CARPET NOSING DETAIL.
 - EXISTING STAIRS TO RECEIVE **RSA1/RSA2/RSA3**.
 - BASE BID: PROVIDE POLISHED CONCRETE FLOOR FINISH, **CON1**, AT EXISTING SLAB ON GRADE.
- A. ALTERNATE NO. 1: PROVIDE LVT FLOORING, **RFT1**, AT EXISTING SLAB ON GRADE.

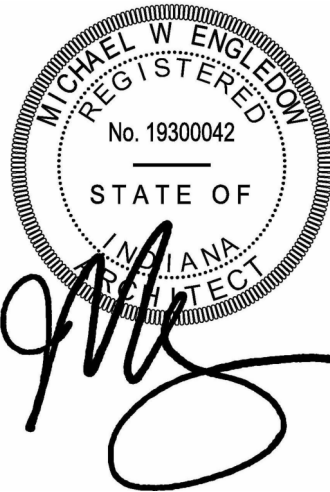


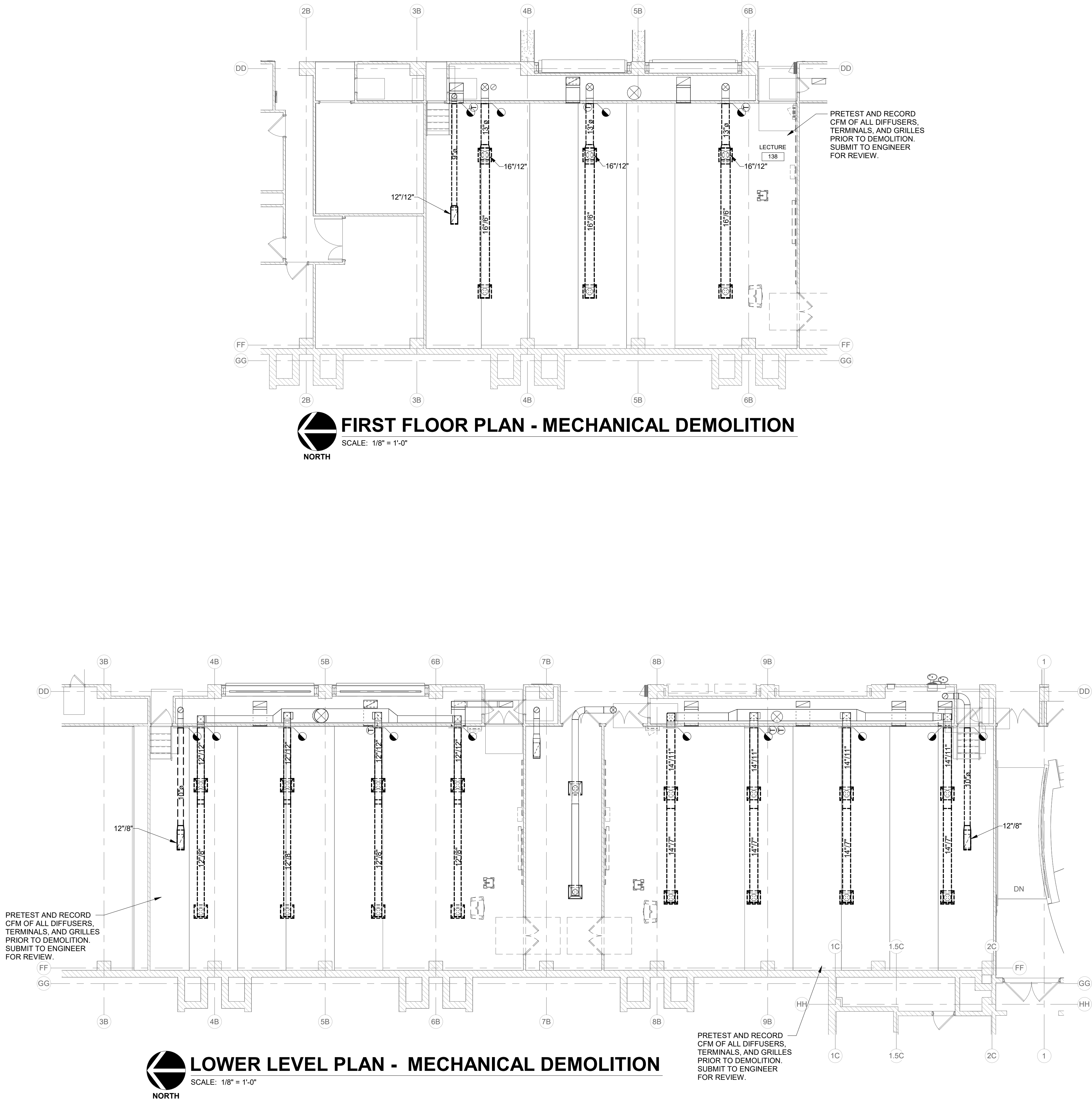
GENERAL NOTES: INTERIOR FINISH PLANS

- REFERENCE SHEET A120 SERIES FOR DIMENSION PLANS.
- REFERENCE INTERIOR ELEVATIONS FOR ADDITIONAL FINISH INFORMATION.
- REFERENCE SHEET A140 SERIES REFLECTED CEILING PLANS FOR ALL CEILING FINISHES.
- ALL WALLS TO BE PAINTED **P1** UNLESS NOTED OTHERWISE.
- ALL HM DOORS AND HM DOOR FRAMES TO BE PAINTED **P6** UNLESS NOTED OTHERWISE.
- PROCEEDING WITH THE INSTALLATION OF FINISHES CONSTRUES THAT THE INSTALLER AND/OR FINISHER HAS INSPECTED AND ACCEPTED THE SUBSTRATE RECEIVING THE NEW WORK. NO CHANGE ORDER WILL BE ISSUED TO RECTIFY CONCEALED, UNKNOWN CONDITIONS OR UNSATISFACTORY SUBSTRATE ONCE THE FINISH WORK HAS PROCEEDED.
- PAINT ALL GRILLES AND FIRE EXTINGUISHER CABINETS THAT ARE PREVIOUSLY PAINTED OR PRIMED READY FOR PAINT TO MATCH SURFACE ON WHICH THEY OCCUR UNLESS NOTED OTHERWISE.
- PROVIDE TRANSITIONS AT ALL FLOORING MATERIAL CHANGES. REFER TO SHEET A151 FOR TYPICAL DETAILS.
- WHERE ARROWS OF PLAN NOTES INDICATE WALLS TO RECEIVE FINISHES, WALL FINISH SHOULD BE CONTINUOUS ON THE ENTIRE WALL PLAN FROM CORNER TO CORNER AND FULL HEIGHT UNLESS NOTED OTHERWISE.
- PROVIDE SEALANT BETWEEN DISSIMILAR MATERIALS EXPOSED TO VIEW. REPLACE OR REPAIR EXISTING SEALANT WHERE APPLICABLE TO RENOVATION WORK.
- FLOORING HATCH PATTERN FOR REPRESENTATION ONLY. FOR FLOORING TYPE SEE ROOM FINISH SCHEDULE.

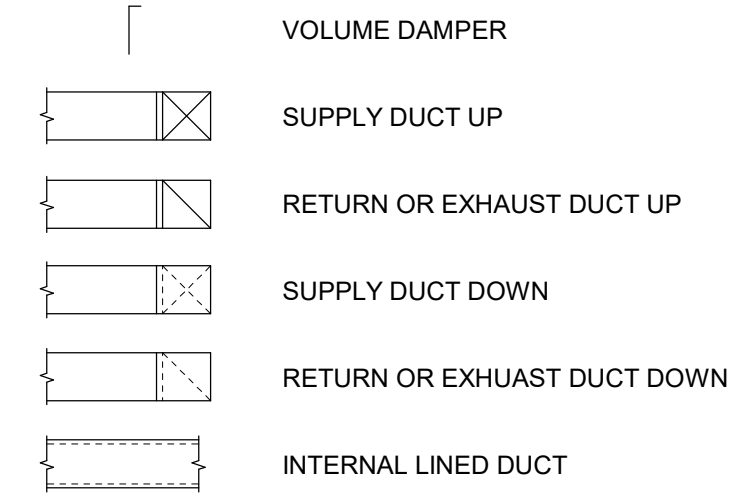
PLAN NOTES - INTERIOR FINISH PLAN

- PAINT WALL **P3**.
- PAINT WALL **P4**.
- PAINT WALL **P5**.
- SEE TYPICAL DETAIL FOR CARPET STAIR NOSING.
- PAINT NEW AND EXISTING PARTS OF ELECTRICAL PANEL COVER TO MATCH ADJACENT WALLS.
- PAINT HANDRAIL TO MATCH ADJACENT WALLS.
- PAINT EXISTING METAL CHASE TO MATCH ADJACENT WALLS. PROVIDE SEALANT TO CLOSE GAP BETWEEN PANEL AND COLUMN.
- NO NEW FINISHES IN THIS AREA.

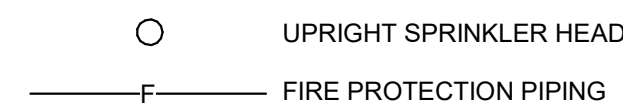




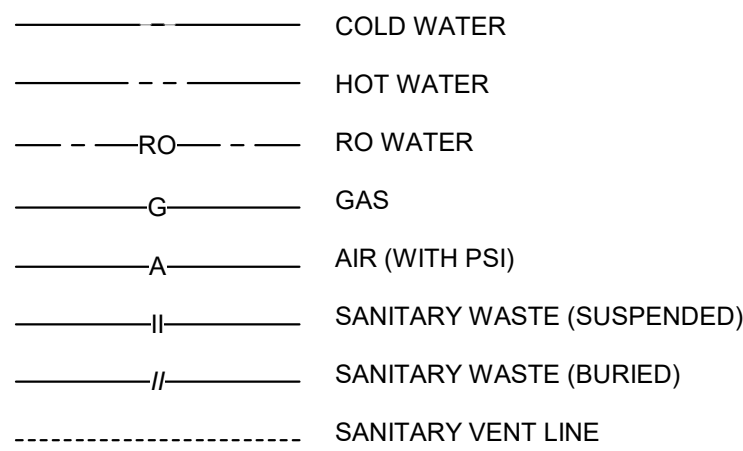
DUCT SYMBOLS



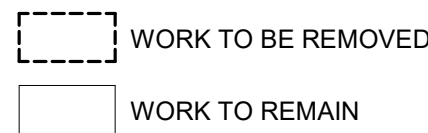
FIRE PROTECTION SYSTEM



PLUMBING



DEMOLITION LEGEND:



GENERAL NOTES - DEMOLITION:

- THESE NOTES APPLY TO ALL PLUMBING AND MECHANICAL DEMOLITION DRAWINGS.
- ALL DUCTWORK ABANDONED BY NATURE OF NEW CONSTRUCTION SHALL BE REMOVED IN THIS CONTRACT.
- THOROUGHLY REVIEW ALL DRAWINGS PRIOR TO ANY DEMOLITION WORK. ANY DEVICES REMOVED ACCIDENTALLY WILL BE REPLACED AT NO ADDITIONAL COST TO OWNER.
- DISPOSAL OF DEMOLISHED MATERIALS SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
- FIELD VERIFY ALL EXISTING CONDITIONS AS TO EXACT SERVICE, LOCATION, TYPE OF MATERIAL, ETC. BEFORE BIDDING AND BEFORE BEGINNING ANY DEMOLITION.
- REMOVE ALL HANGERS, STRAPS, BRACKETS, PIPE SUPPORTS, ANCHORS, EXPANSION JOINTS, ETC. ASSOCIATED WITH DUCTWORK AND/OR PIPING TO BE REMOVED.
- ADDITIONAL GENERAL DEMOLITION NOTES SPECIFIC TO A PARTICULAR DEMOLITION DRAWING ARE NOTED ON THOSE DRAWINGS.

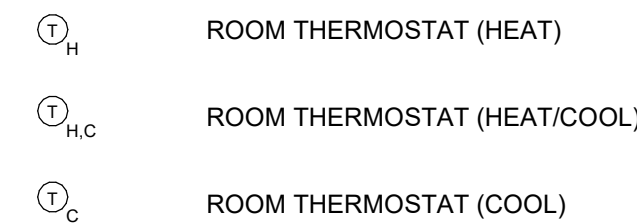
GENERAL NOTES

- THESE NOTES APPLY TO EACH AND EVERY 'M', 'P' AND 'FP' SERIES DRAWINGS.
- ALL NEW WORK IS DRAWN DARK. ALL WORK DRAWN LIGHT AND FOLLOWED BY (E.) IS EXISTING.
- ALL WORK SHALL REMAIN UNLESS SPECIFICALLY NOTED OTHERWISE.
- FIELD VERIFY ALL EXISTING CONDITIONS AS TO EXACT SERVICE, LOCATION, TYPE OF MATERIAL, ETC. BEFORE BIDDING AND BEFORE BEGINNING RENOVATION WORK.
- COORDINATE ALL SHUT-DOWNS, DELIVERY, AND STORAGE OF MATERIALS, ETC. WITH OWNER'S REPRESENTATIVE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK WITH ALL OTHER TRADES. SEE SPECIFICATION FOR ADDITIONAL REQUIREMENTS RELATED TO COORDINATION.
- CONTRACTORS SHALL PROTECT ALL EXISTING OWNER FACILITIES DURING CONSTRUCTION. ANY AND ALL OWNER FACILITIES DAMAGED OR DISCONNECTED BY CONTRACTOR OPERATIONS SHALL BE FULLY RESTORED TO PREVIOUS OPERATING AND APPEARANCE CONDITION BY CONTRACTOR.
- SMOKING, ALCOHOL, DRUGS, WEAPONS, AND CONTRABAND ARE STRICTLY FORBIDDEN ON JOB SITE PROPERTY.
- FIELD VERIFY EXACT SIZES OF EXISTING PIPING AND DUCTWORK SYSTEMS SHOWN TO BE CONNECTED TO NEW WORK. IN THE EVENT ACTUAL SIZE IS DIFFERENT THAN SHOWN ON DRAWINGS, CONTACT ENGINEER FOR DIRECTION PRIOR TO ANY WORK.
- ADDITIONAL GENERAL NOTES SPECIFIC TO A PARTICULAR DRAWING ARE NOTED ON THOSE DRAWINGS.
- COLORS OF EXPOSED UNITS SHALL BE SELECTED BY ARCHITECT. COLORS SHALL BE MANUFACTURER'S STANDARD OR CUSTOM COLOR AS REQUESTED. SUBMIT COLOR CHARTS WITH SHOP DRAWINGS.

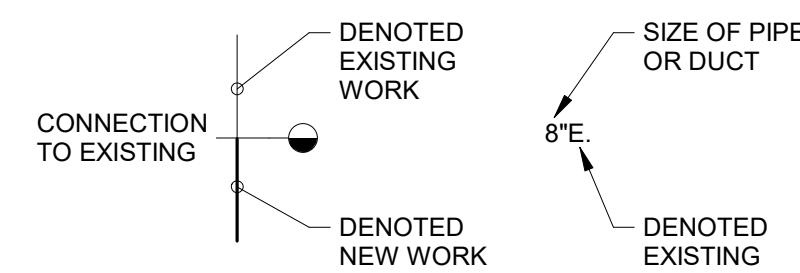
ABBREVIATIONS

EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
EG	EXHAUST GRILLE
ELEC	ELECTRICAL
ELEV	ELEVATION
ESP	EXTERNAL STATIC PRESSURE
EXIST	EXISTING
ETR	EXISTING TO REMAIN
GC	GENERAL CONTRACTOR
GEN	GENERAL
HTG	HEATING
HW	HOT WATER
ID	INTERNAL DIAMETER
LAT	LEAVING AIR TEMPERATURE
LAV	LAVATORY
MBH	1000 BTU/HOUR
MECH	MECHANICAL
MC	MECHANICAL CONTRACTOR
MS	MOP SINK
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
OA	OUTSIDE AIR
OD	OUTSIDE DIAMETER
PLBG	PLUMBING
RA	RETURN AIR
RAD	RETURN AIR DAMPER
RG	RETURN GRILLE
RR	RETURN REGISTER
SA	SUPPLY AIR
SG	SUPPLY GRILLE
SK	SINK
SR	SUPPLY REGISTER
TCC	TEMPERATURE CONTROL CONTRACTOR
TG	TRANSFER GRILLE
TYP	TYPICAL
UR	URINAL
VAV	VARIABLE AIR VOLUME
VS	VENT STACK
VTR	VENT THROUGH ROOF
W	WASTE
WB	WET BULB
WC	WATER CLOSET
WS	WASTE STACK

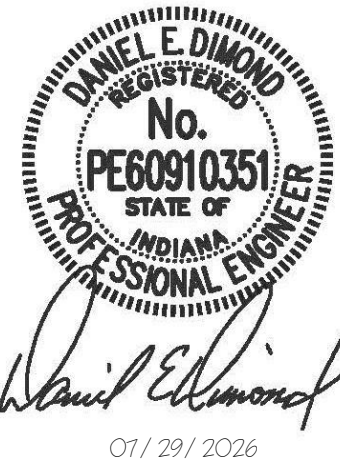
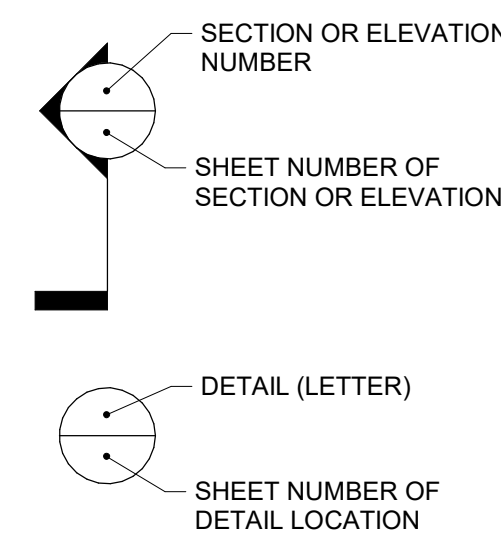
TEMPERATURE CONTROL/MONITORING



DRAWING NOTATIONS



SECTIONS AND DETAILS



INDIANA STATE UNIVERSITY
ISU SCIENCE BUILDING ROOMS 018, 022, AND 138
RENOVATION
SCIENCE BUILDING, 600 CHESTNUT ST, TERRE HAUTE, IN 47809

100% BID DOCUMENTS

REVISIONS:

DATE:
07/29/2026
arcDESIGN PROJECT NUMBER:
26139
CLIENT PROJECT NUMBER:
B0028832
DRAWN BY:
--
DRAWING TITLE:

LOWER LEVEL
AND FIRST
FLOOR PLAN -
MECHANICAL
DEMOLITION

DRAWING NUMBER:

MD201

RENOVATION LEGEND:

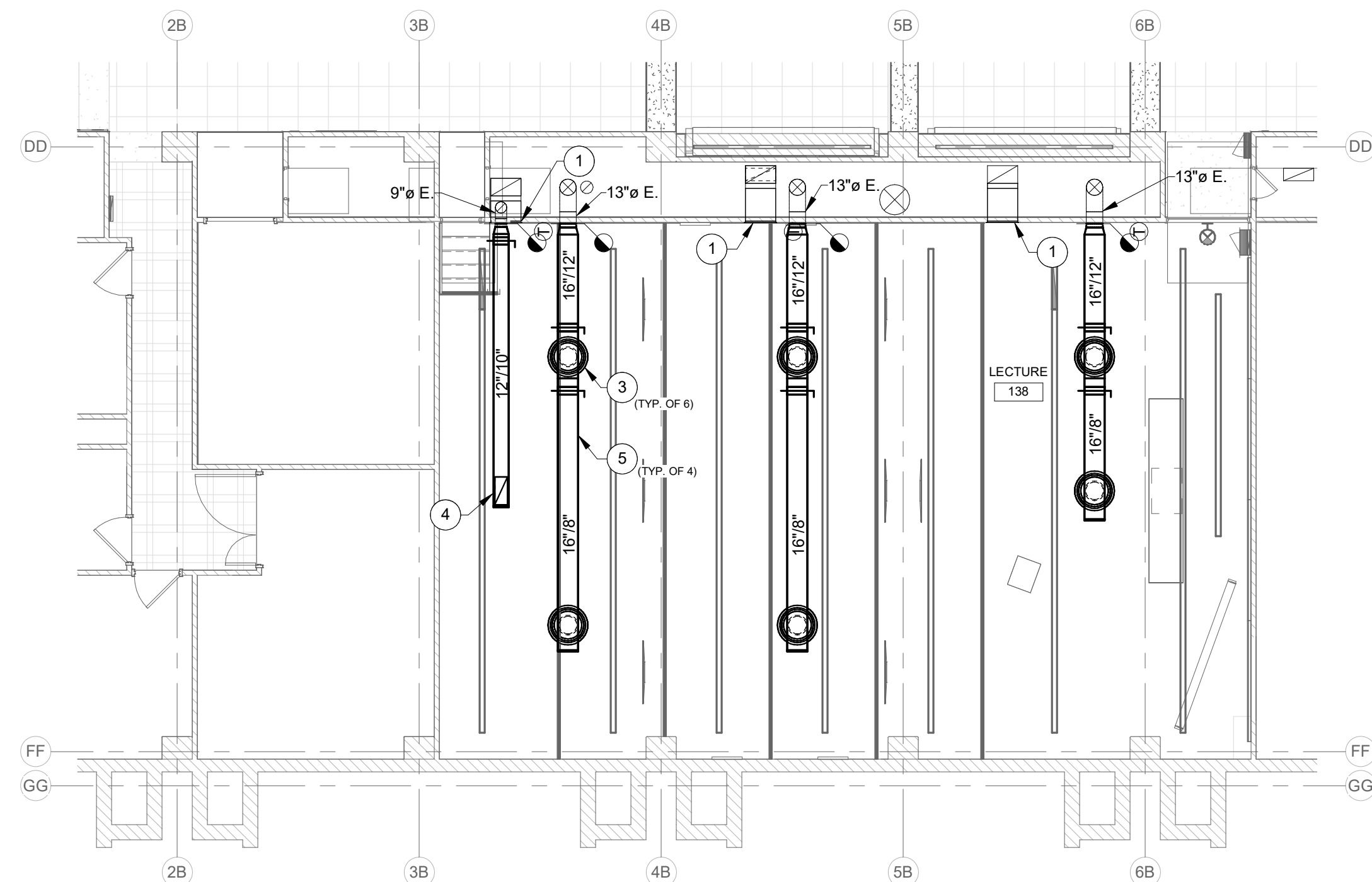
- ☐ WORK TO BE INSTALLED
- ☐ WORK TO REMAIN

GENERAL NOTES - AIR DISTRIBUTION:

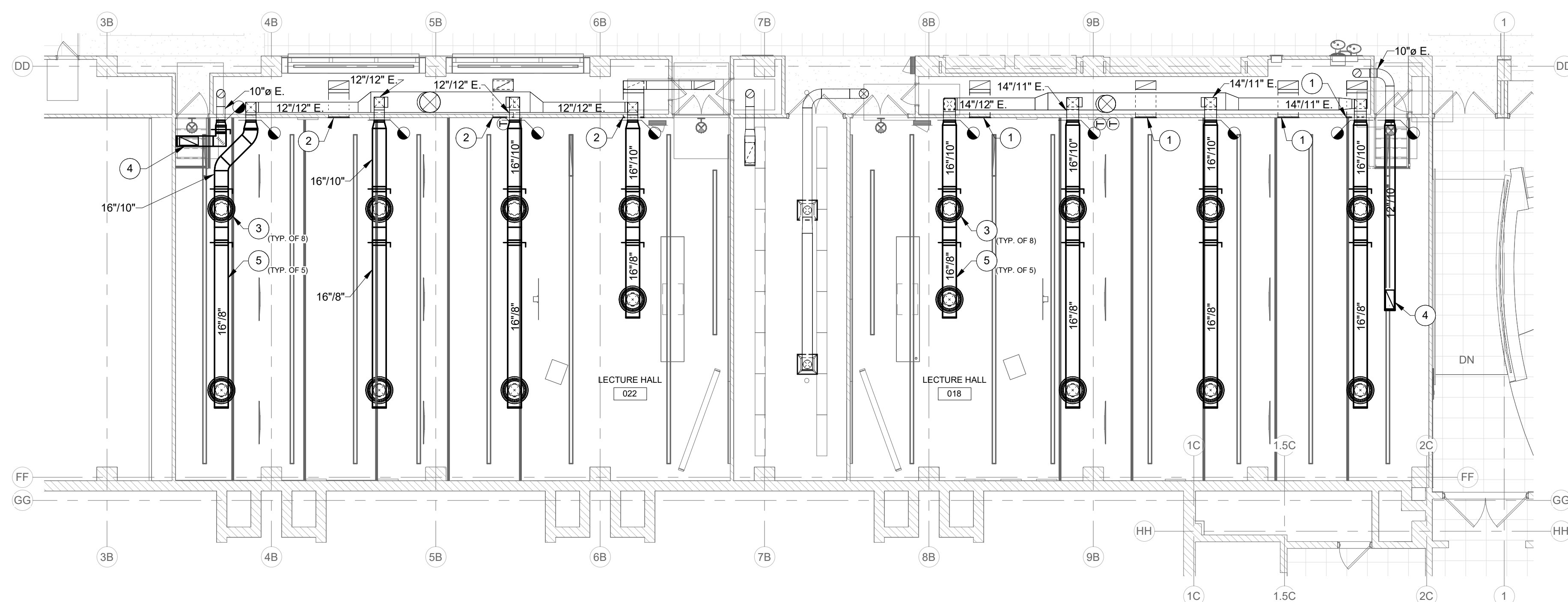
1. PROVIDE VOLUME DAMPERS IN ALL BRANCH DUCTS TO DIFFUSERS, EXHAUST GRILLES, ETC. WHETHER SHOWN OR NOT. THESE DAMPERS ARE TO BE USED FOR SYSTEM BALANCE ONLY. IN DIFFUSERS, REGISTERS, ETC. SHALL NOT BE USED FOR AIR BALANCE.
2. SEE REFLECTED CEILING PLAN FOR EXACT LOCATION OF AIR OUTLETS.
3. COORDINATE AND ADJUST DIFFUSER LOCATIONS, AS NEEDED.
4. SUPPLY DIFFUSERS TO BE INSTALLED NO CLOSER THAN 4'-0" TO ALL SMOKE DETECTORS. REFER TO I-SERIES AND E-SERIES DRAWINGS FOR ADDITIONAL CEILING INRAILED DETAILS. COORDINATE AND ADJUST DIFFUSER LOCATIONS, AS NEEDED.
5. ALL EXPOSED DUCTWORK TO BE INSTALLED NEATLY TO THE SATISFACTION OF THE ENGINEER.
6. THESE ARE NOT FABRICATION DRAWINGS. THESE DRAWINGS ARE NOT INTENDED TO SHOW ALL OFFSETS AS REQUIRED FOR PROPER DUCTWORK INSTALLATION. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND PREPARE FABRICATION DRAWINGS BASED ON EXISTING CONDITIONS. ALL ADDITIONAL OFFSETS SHALL BE INCLUDED IN BID PRICE.
7. VERIFY FIT OF DUCTWORK PRIOR TO ANY FABRICATION. CONTRACTOR WILL NOT BE REIMBURSED FOR DUCTWORK THAT WILL NOT FIT.
8. WORKMANSHIP FOR ALL DUCTWORK MUST BE IN COMPLIANCE WITH SMACNA STANDARDS.
9. INSTALL DUCTS ACCORDING TO SMACNA'S "HVAC DUCT CONSTRUCTION - METAL AND FLEXIBLE" UNLESS OTHERWISE INDICATED.
10. SEAL DUCT SEAMS AND JOINTS FOR DUCT STATIC PRESSURE AND LEAKAGE CLASSES SPECIFIED IN "PERFORMANCE REQUIREMENTS" ARTICLE. ACCORDING TO SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE," TABLE 1-1, "STANDARD DUCT SEALING REQUIREMENTS", UNLESS OTHERWISE INDICATED.
11. ALSO SEE SHEET PM001 FOR ADDITIONAL GENERAL NOTES.

PLAN NOTES:

1. EXISTING 24"x24" RETURN AIR GRILLE. THOROUGHLY CLEAN. BALANCE GRILLE TO EXISTING GRILLE CFM.
2. EXISTING 24"x30" RETURN AIR GRILLE. THOROUGHLY CLEAN. BALANCE GRILLE TO EXISTING GRILLE CFM.
3. FURNISH AND INSTALL 14" INLET ROUND DIFFUSER SIMILAR TO TITUS TMRA. BALANCE DIFFUSER TO EXISTING DIFFUSER CFM.
4. FURNISH AND INSTALL 22"x10" EXHAUST GRILLE TO BE SIMILAR TO TITUS 350 SERIES. BALANCE GRILLE TO EXISTING DIFFUSER CFM.
5. INSTALL DUCTWORK AS HIGH AS POSSIBLE AND MAINTAIN TOP ALIGNED THROUGHOUT THE RUN.



FIRST FLOOR PLAN - AIR DISTRIBUTION



LOWER LEVEL PLAN - AIR DISTRIBUTION
SCALE: 1/8" = 1'-0"
NORTH



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**ISU SCIENCE BUILDING ROOMS 018, 022, AND 138
RENOVATION**
SCIENCE BUILDING, 600 CHESTNUT ST, TERRE HAUTE, IN 47809

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DATE:
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arcDESIGN PROJECT NUMBER:
26139
CLIENT PROJECT NUMBER:
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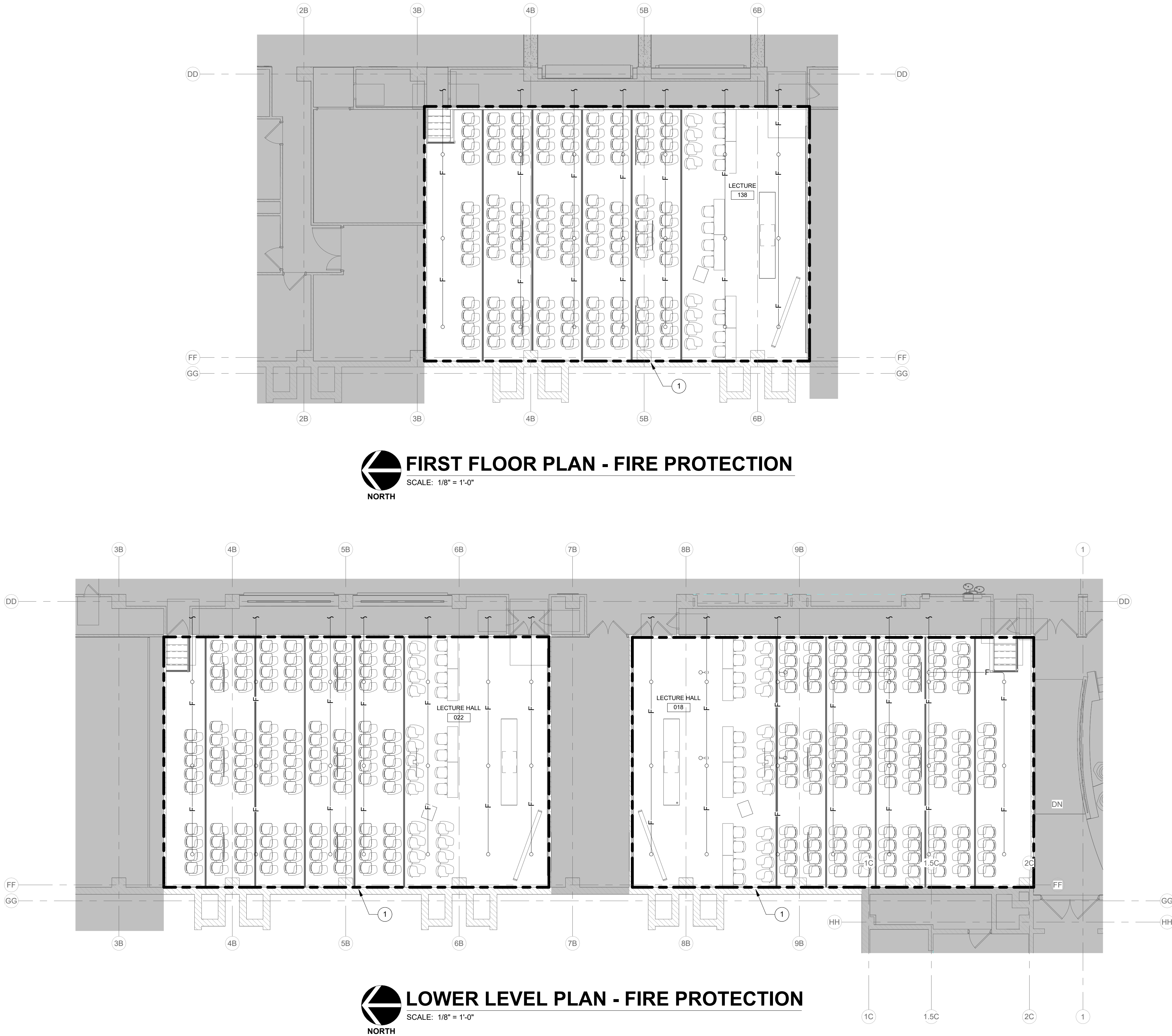
DRAWING TITLE:

LOWER LEVEL AND FIRST FLOOR PLAN - AIR DISTRIBUTION

DRAWING NUMBER:

M201

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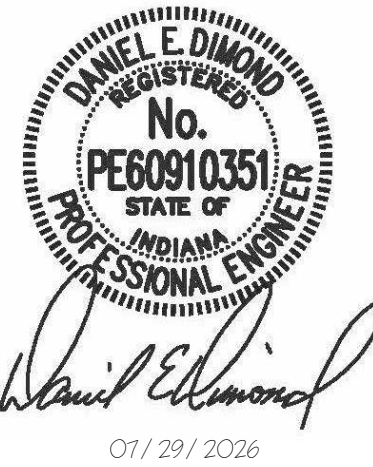
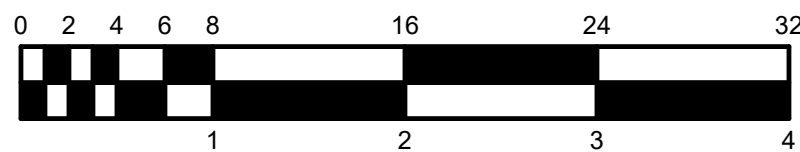
- WORK TO BE INSTALLED
WORK TO REMAIN

GENERAL NOTES:

- THESE NOTES APPLY TO ALL 'FP' SERIES DRAWINGS.
- REFER TO SHEET PM-001 FOR SYMBOLS, ABBREVIATIONS, AND ADDITIONAL GENERAL NOTES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CORE DRILLING AND CUTTING HOLES THRU WALLS AND FLOORS AS REQUIRED TO INSTALL WORK, WHETHER SHOWN OR NOT.
- ALL PENETRATIONS THRU RATED CONSTRUCTION TO BE FIRE STOPPED. REFER TO LIFE SAFETY PLANS.
- CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION. CONTACT ENGINEER WITH CONFLICTS OR DISCREPANCIES.
- SPRINKLER SYSTEMS SHALL BE HYDRAULICALLY CALCULATED, FULLY SUPERVISED, AND INSTALLED ACCORDING TO NFPA 13.
- CONTRACTOR SHALL OBTAIN FLOW TEST INFORMATION PRIOR TO DESIGN AND HYDRAULIC CALCULATION OF SPRINKLER SYSTEM.
- ALL SPRINKLER SYSTEM ITEMS REQUIRED BY CODE SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR WHETHER SHOWN ON THE DRAWINGS AND SPECIFICATIONS OR NOT.
- ALL FIRE PROTECTION SYSTEMS TO BE INSTALLED TO MEET THE REQUIREMENTS OF THE INDIANA FIRE CODE, 2014; THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARD 13, 2010; THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARD 14, AND INDIANA AMENDMENTS (675 IAC-28-1-5).
- PIPE ROUTINGS INDICATED ON DRAWINGS ARE DIAGRAMMATIC AND ARE A SUGGESTED METHOD FOR DESIGN. CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL COORDINATION, LAYOUT, CODE COMPLIANCE, AND DESIGN.
- PROVIDE UPRIGHT SPRINKLER HEADS IN UNFINISHED SPACES (I.E. THOSE WITH EXPOSED STRUCTURE), CONCEALED HEADS IN FINISHED SPACES (I.E. THOSE WITH LAY-IN, DRYWALL, OR DECORATIVE CEILINGS), SIDEWALL HEADS WHERE IMPRACTICAL TO INSTALL CONCEALED OR UPRIGHT TYPE, OR AS INDICATED OTHERWISE ON THE DRAWINGS.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR COORDINATION OF CEILING MOUNTED ITEMS.
- ALL NEW WORK IS DRAWN DARK. ALL WORK DRAWN LIGHT AND FOLLOWED BY (E.) IS EXISTING.
- CONTRACTOR SHALL FIELD VERIFY EXISTING PIPE AND EQUIPMENT SIZES, LOCATIONS, ELEVATIONS, MATERIALS, ETC. BEFORE BIDDING OR BEGINNING WORK.
- CONTRACTOR SHALL COORDINATE SHUT DOWN OF ANY FIRE PROTECTION SYSTEM THAT AFFECTS OCCUPIED SPACES WITH THE OWNER, OCCUPANTS OF THE AFFECTED AREA, AND ANY OTHER AUTHORITY HAVING JURISDICTION.
- PROVIDE TEMPORARY CAPS AS REQUIRED SO EXISTING SYSTEM WILL REMAIN OPERATIONAL DURING CONSTRUCTION.
- CONTRACTOR SHALL PROTECT ALL EXISTING OWNER FACILITIES DURING CONSTRUCTION. ANY FACILITY DAMAGED OR DISCONNECTED BY CONTRACTOR OPERATIONS SHALL BE FULLY RESTORED TO PREVIOUS OPERATING AND APPEARANCE CONDITION AND AT NO COST TO OWNER.
- REMOVE ALL PIPE, VALVES, ETC. MADE OBSOLETE AS A RESULT OF NEW CONSTRUCTION.
- THOROUGHLY REVIEW ALL DRAWINGS PRIOR TO ANY DEMOLITION WORK. ANY ITEMS REMOVED ACCIDENTALLY MUST BE REPLACED AT NO ADDITIONAL COST TO OWNER.
- DISPOSAL OF DEMOLISHED MATERIALS SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.
- NO ABANDONED PIPE, VALVES, FITTINGS, ETC. WILL BE ALLOWED TO REMAIN, UNLESS SPECIFICALLY NOTED OTHERWISE IN DRAWINGS.
- CONTRACTOR SHALL REMOVE, REPLACE, AND/OR RELOCATE EXISTING SPRINKLER SYSTEM AS REQUIRED TO ACCOMMODATE NEW MECHANICAL NEEDS.

PLAN NOTES:

- REVISE SPRINKLER PIPING IN THIS AREA AS REQUIRED.



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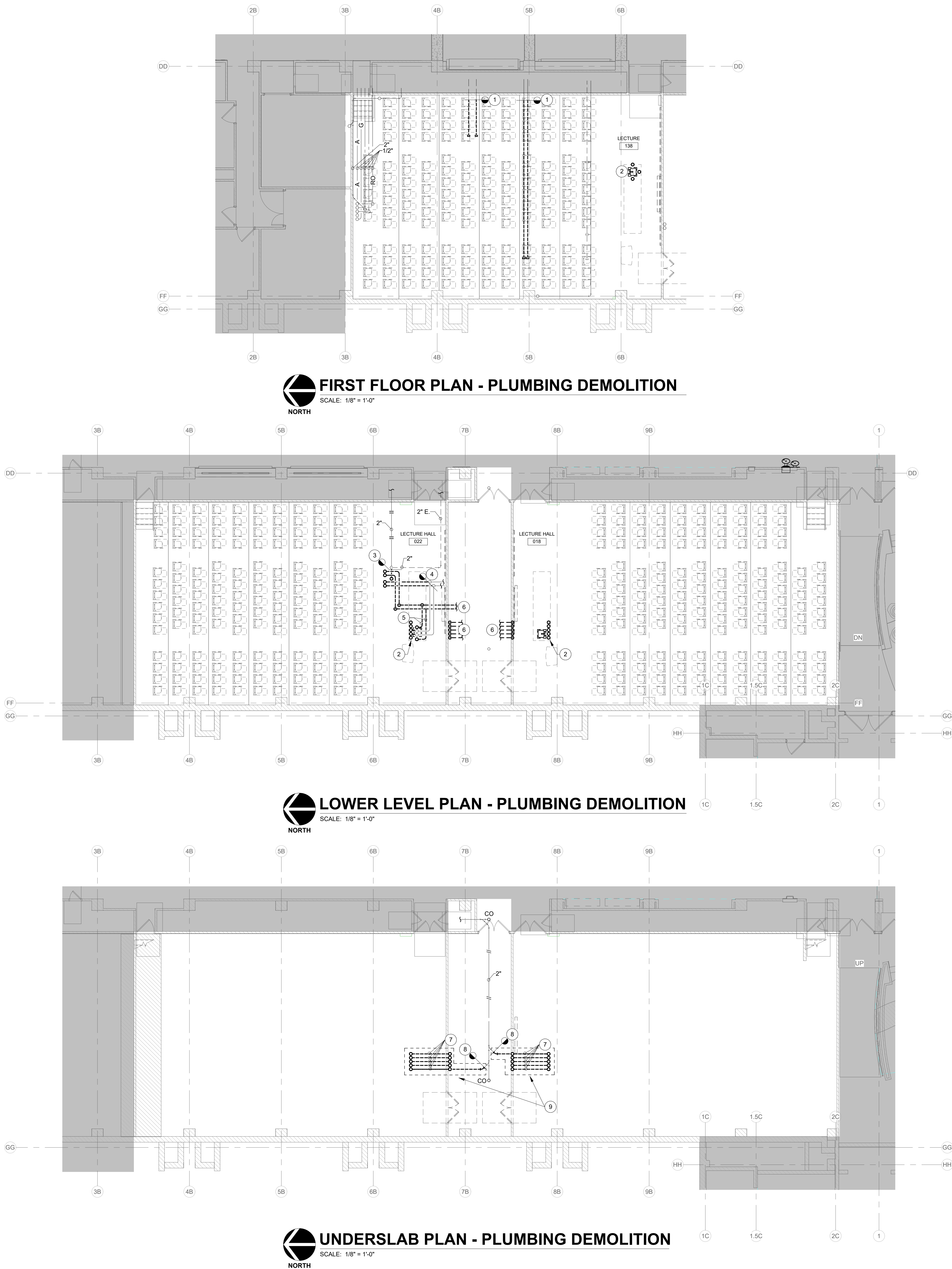
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07/29/2026
arcDESIGN PROJECT NUMBER:
26139
CLIENT PROJECT NUMBER:
B0028832
DRAWN BY:
EV
DRAWING TITLE:

**LOWER LEVEL
AND FIRST
FLOOR PLAN -
FIRE
PROTECTION**

DRAWING NUMBER:

FP201

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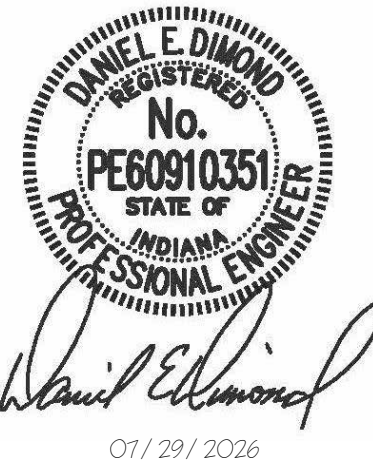
- WORK TO BE REMOVED
WORK TO REMAIN

GENERAL NOTES:

1. REFER TO SHEET PM001 FOR ADDITIONAL GENERAL NOTES.

PLAN NOTES:

- REMOVE ABANDONED COLD AND HOT WATER PIPING AS FAR BACK AS POSSIBLE AND CAP. REMOVE ABANDONED VENT PIPING AS FAR BACK AS POSSIBLE AND CAP AT A POINT THAT DOES NOT TRAP WATER.
- REMOVE SINK IN TEACHER WORK STATION AND ALL RELATED PIPING. FILL FLOOR PENETRATION.
- REMOVE WASTE PIPING FROM SINK ABOVE TO THIS POINT AND INSTALL HORIZONTAL CLEANOUT. ABANDON WASTE AND LOOP VENT IN PLACE.
- REMOVE COLD AND HOT WATER PIPING TO THIS POINT AND CAP.
- REMOVE ABANDONED COMPRESSED AIR AND GAS PIPING.
- REMOVE ALL DOMESTIC WATER, AIR, AND GAS PIPING FROM TEACHER WORK STATION AS FAR BACK AS POSSIBLE. CAP AT NEXT BRANCH CONNECTION. REMOVE VENT PIPING FROM TEACHER WORK STATION AS FAR BACK AS POSSIBLE. CAP AND ABANDON AT A POINT THAT DOES NOT TRAP WATER.
- REMOVE ALL PIPING FROM TEACHER WORK STATION IN UTILITY TRENCH AS FAR BACK AS POSSIBLE.
- REMOVE 2" WASTE TO THIS POINT AND CAP.
- FIELD VERIFY UTILITY TRENCH EXTENDS TO SANITARY MAIN. SAWCUT AND PATCH IF REQUIRED. UTILITY TUNNEL TO BE REMOVED AND CAVITY FILLED. REFER TO ARCHITECTURAL PLANS.



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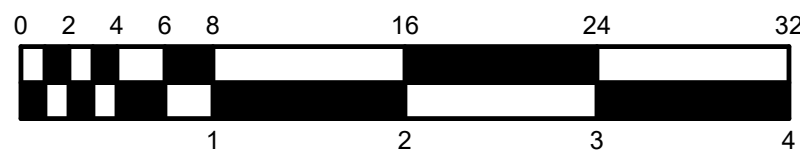
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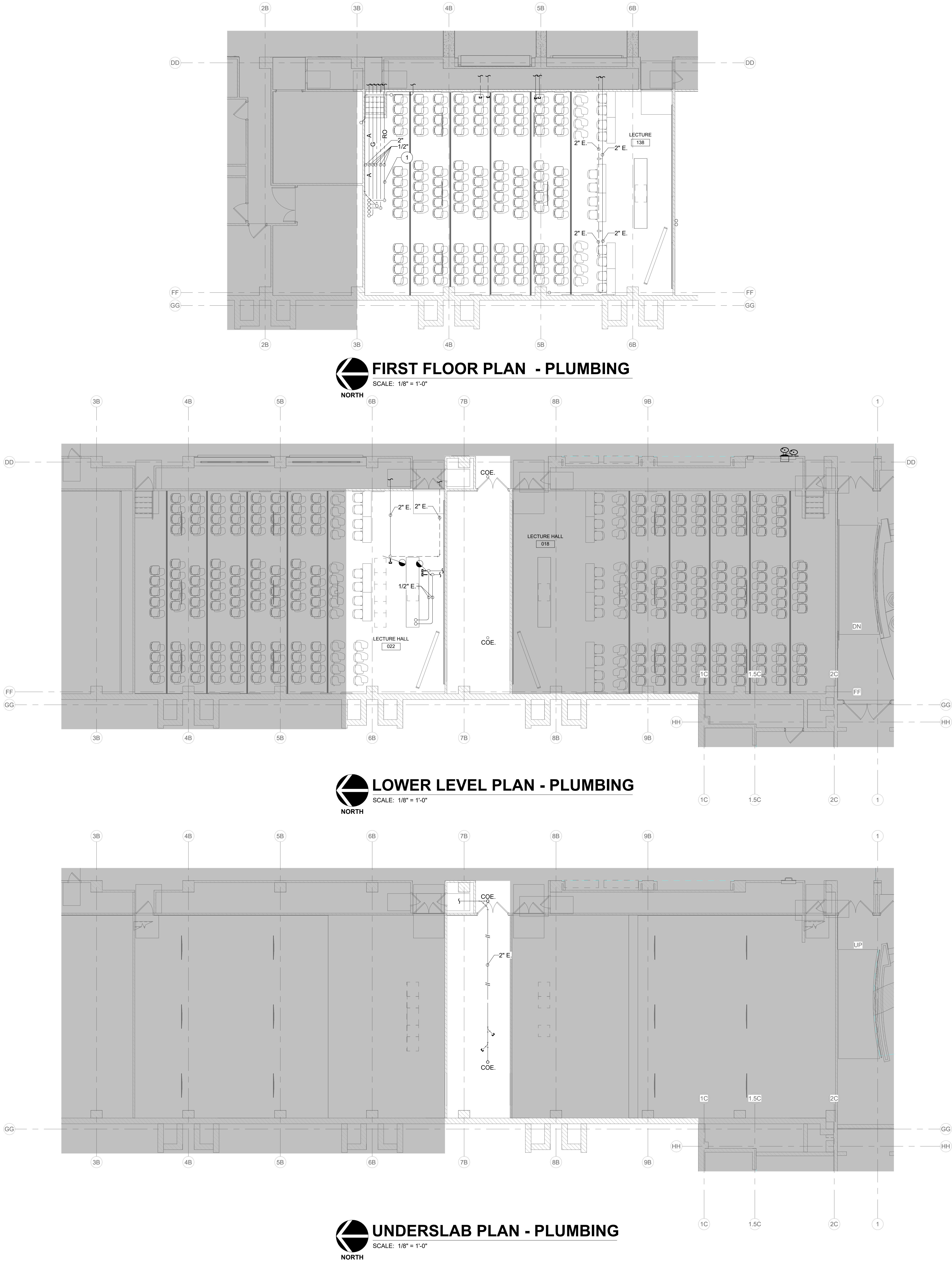
LOWER LEVEL
AND FIRST
FLOOR PLAN -
PLUMBING
DEMOLITION

DRAWING NUMBER:

PD201



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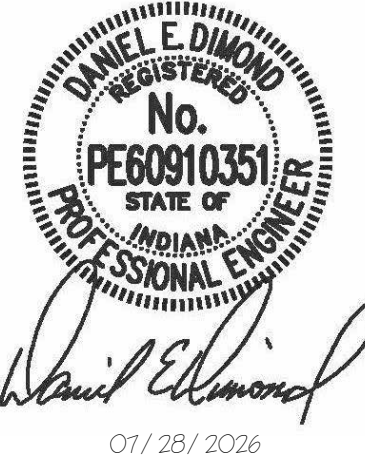
- WORK TO BE INSTALLED
- WORK TO REMAIN

GENERAL NOTES:

- REFER TO SHEET PM001 FOR ADDITIONAL GENERAL NOTES.

PLAN NOTES:

- PROVIDE ADDITIONAL PIPE SUPPORTS FOR SAGGING REVERSE OSMOSIS WATER LINE.



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RENOVATION**
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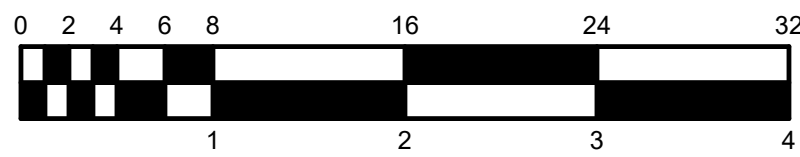
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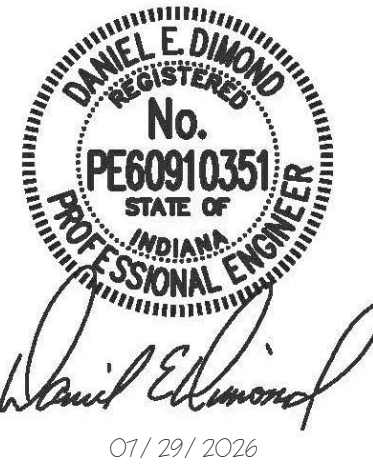
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DRAWING TITLE:

LOWER LEVEL
AND FIRST
FLOOR PLAN -
PLUMBING

DRAWING NUMBER:

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MSD
DRAWING TITLE:

LOWER LEVEL
AND FIRST
FLOOR PLANS -
ELECTRICAL
DEMOLITION

DRAWING NUMBER:

ED201

DEMOLITION LEGEND:

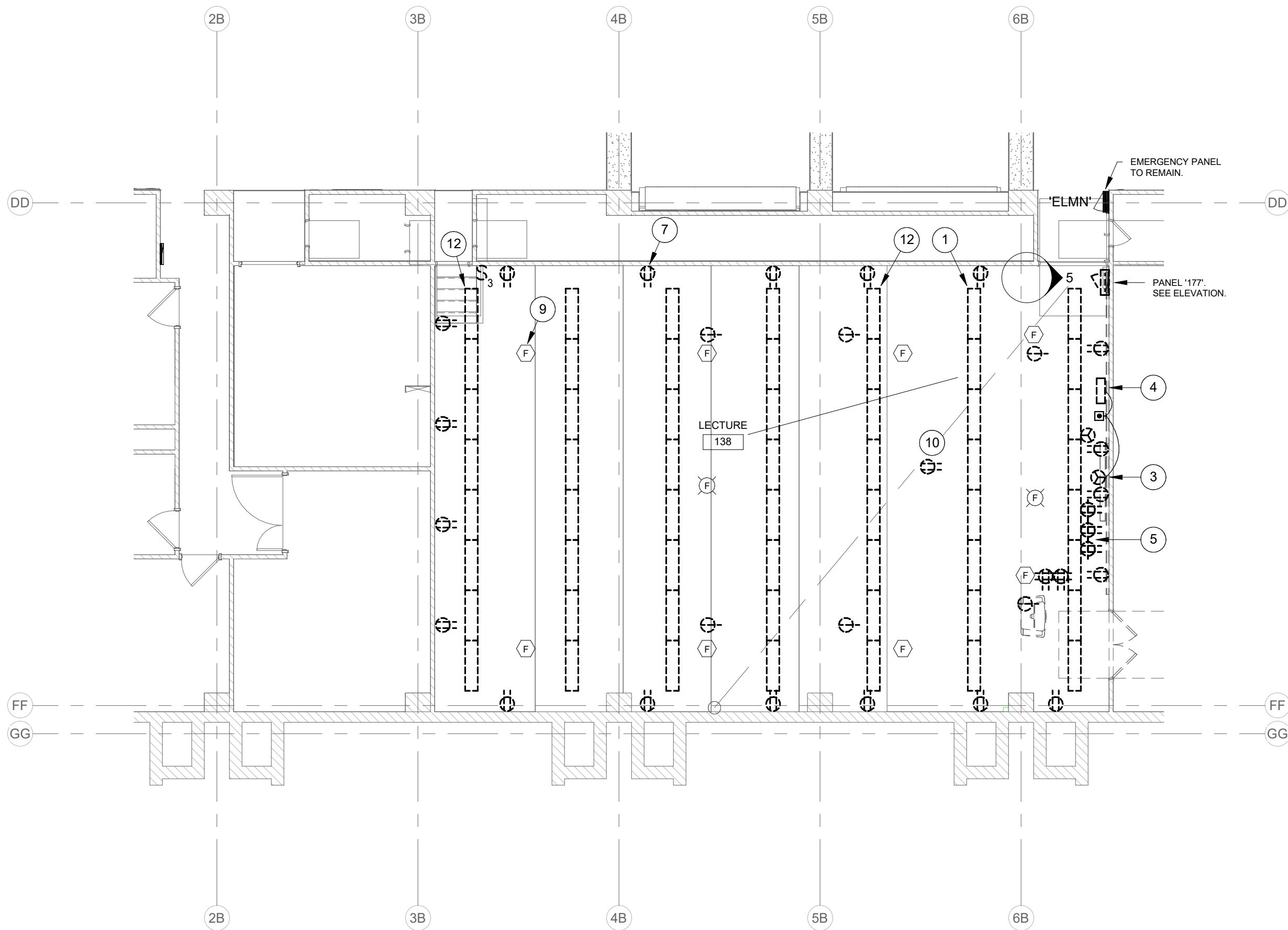
- WORK TO BE REMOVED
WORK TO REMAIN

GENERAL NOTES:

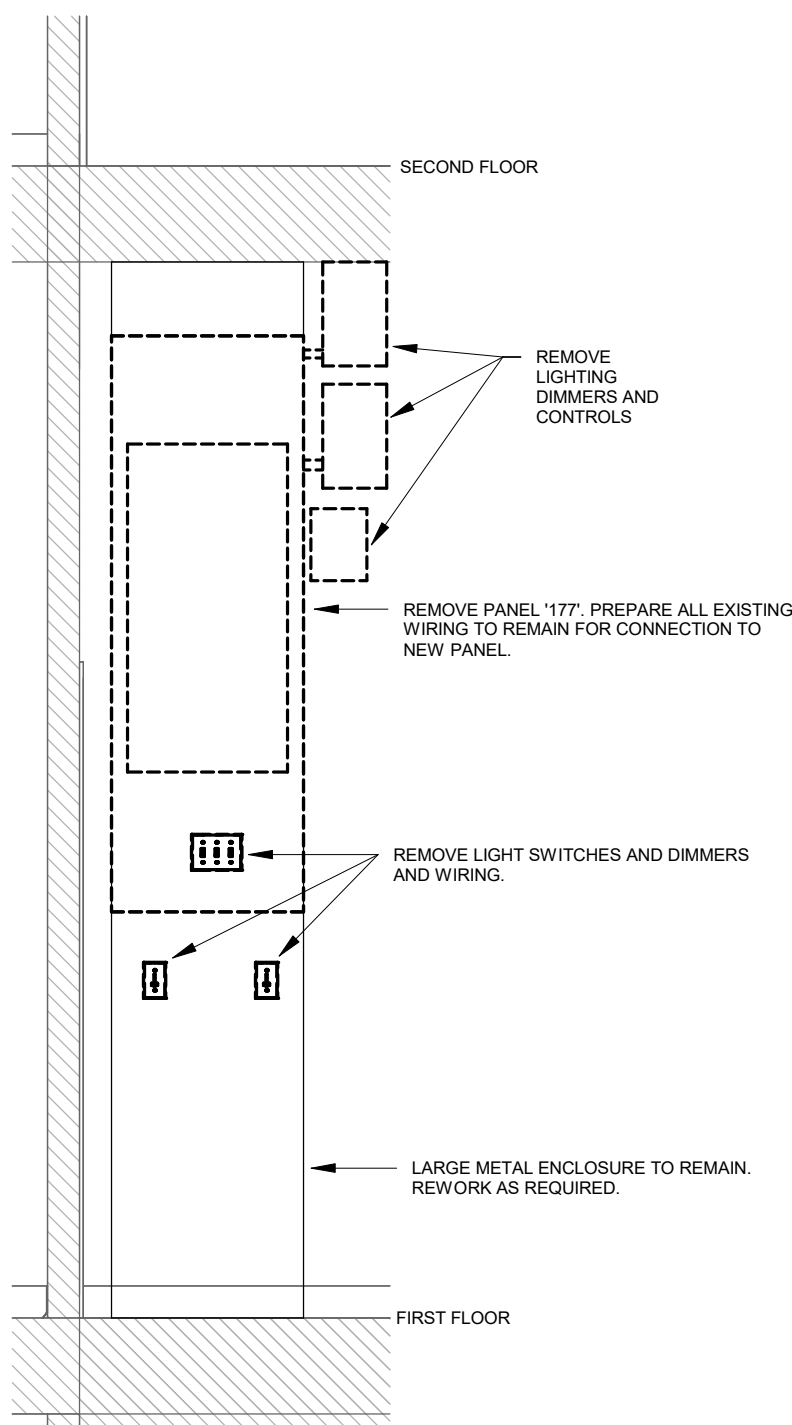
- REFER TO SHEET E001 FOR ADDITIONAL GENERAL NOTES.
- REMOVE ALL SURFACE RACEWAYS AND DEVICE BOXES UNLESS OTHERWISE NOTED. THE INTENT IS FOR ALL NEW SURFACE RACEWAYS TO BE THOUGHTFULLY COORDINATED WITH EACH OTHER FOR LOCATION, ROUTING, AND APPEARANCE.
- EXISTING CONCEALED RACEWAYS MAY BE REUSED WHERE APPLICABLE.

PLAN NOTES:

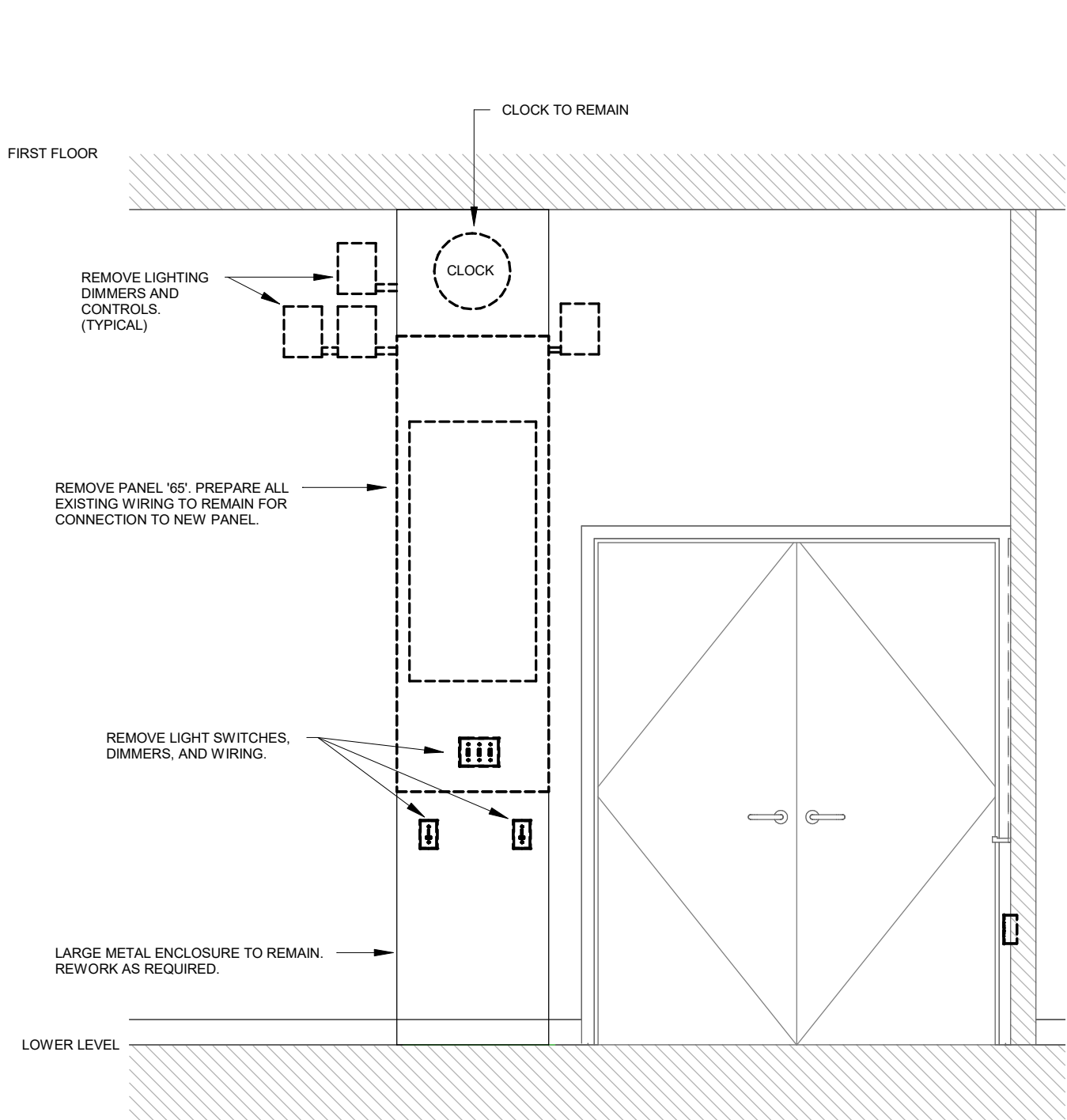
- REMOVE ALL PENDANT-MOUNTED FLUORESCENT WRAP AROUND LIGHTS AND ASSOCIATED WIRING. (TYPICAL)
- REMOVE ALL PENDANT-MOUNTED INCANDESCENT LIGHTS AND ASSOCIATED WIRING. (TYPICAL)
- REMOVE OLD ABANDONED PROJECTION SCREEN, CONTROL STATION AND WIRING.
- REMOVE OLD ABANDONED WIREWAY, RACEWAYS, DEVICES AND WIRING. REMOVE RACEWAYS TO BELOW FLOOR AND PREPARE SLAB FOR NEW FLOORING.
- REMOVE ALL DEVICES AND WIRING IN DEMONSTRATION TABLE. PREPARE EXISTING UNDERSLAB RACEWAY FOR REUSE.
- REMOVE ALL RECEPTACLES IN CEILING DECK AND WIRING. (TYPICAL)
- REMOVE ALL WALL RECEPTACLES AND WIRING. PREPARE RACEWAY AND DEVICE BOX FOR REUSE. (TYPICAL)
- THIS LIGHT IS CONNECTED TO EMERGENCY CIRCUIT ELLN1-0 AS A NIGHT LIGHT. DISCONNECT AND PREPARE CIRCUIT FOR REUSE. ALL OTHER LIGHTS ARE FED FROM PANEL IN ROOM.
- FIRE ALARM DEVICES SHALL REMAIN. (TYPICAL)
- REMOVE RECEPTACLE AND WIRING ON CEILING DECK FOR PROJECTOR. PREPARE FOR NEW.
- REMOVE EMERGENCY BATTERY LIGHT AND ALL WIRING.
- THIS LIGHT IS CONNECTED TO EMERGENCY CIRCUIT ELMN-1 AS A NIGHT LIGHT. DISCONNECT AND PREPARE CIRCUIT FOR REUSE. ALL OTHER LIGHTS ARE FED FROM PANEL IN ROOM.



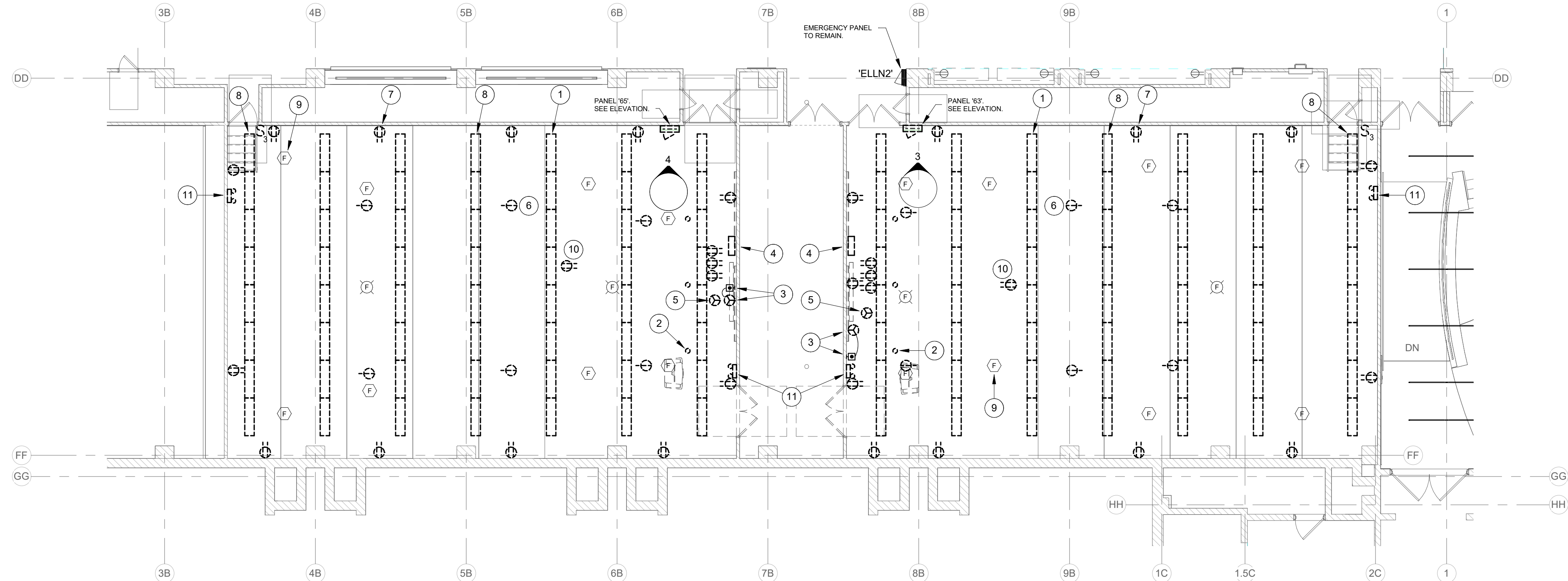
FIRST FLOOR PLAN - ELECTRICAL DEMOLITION
SCALE: 1/8" = 1'-0"



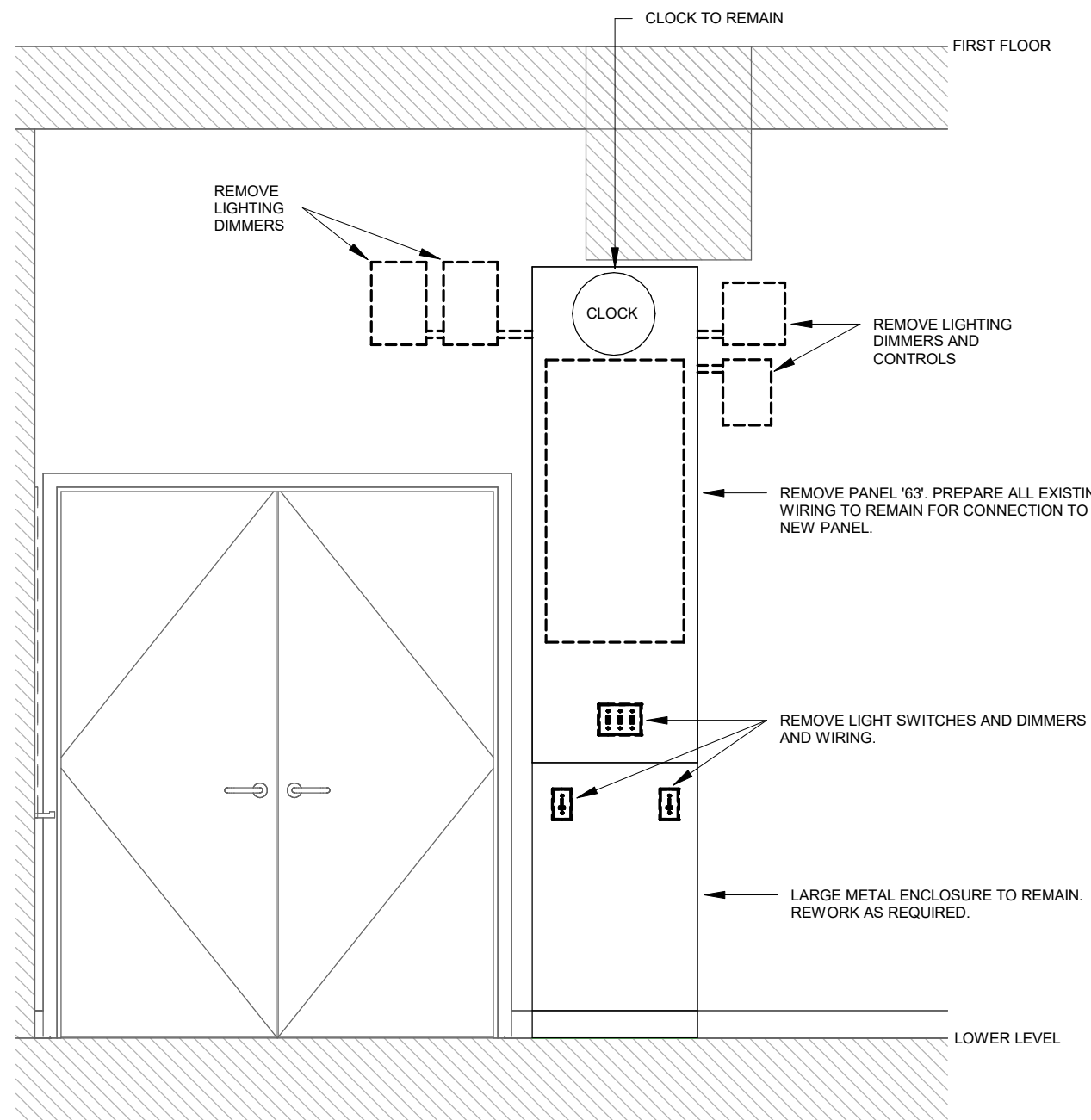
5 ELEVATION - CLASSROOM 138 DEMOLITION
SCALE: 1/2" = 1'-0"



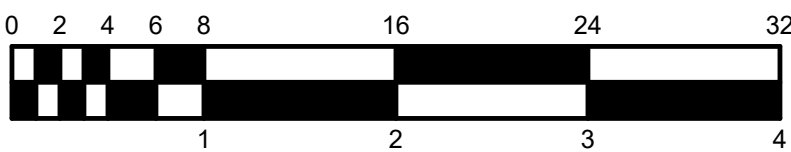
4 ELEVATION - CLASSROOM 022
SCALE: 1/2" = 1'-0"



LOWER LEVEL PLAN - ELECTRICAL DEMOLITION
SCALE: 1/8" = 1'-0"



3 ELEVATION - CLASSROOM 018
SCALE: 1/2" = 1'-0"



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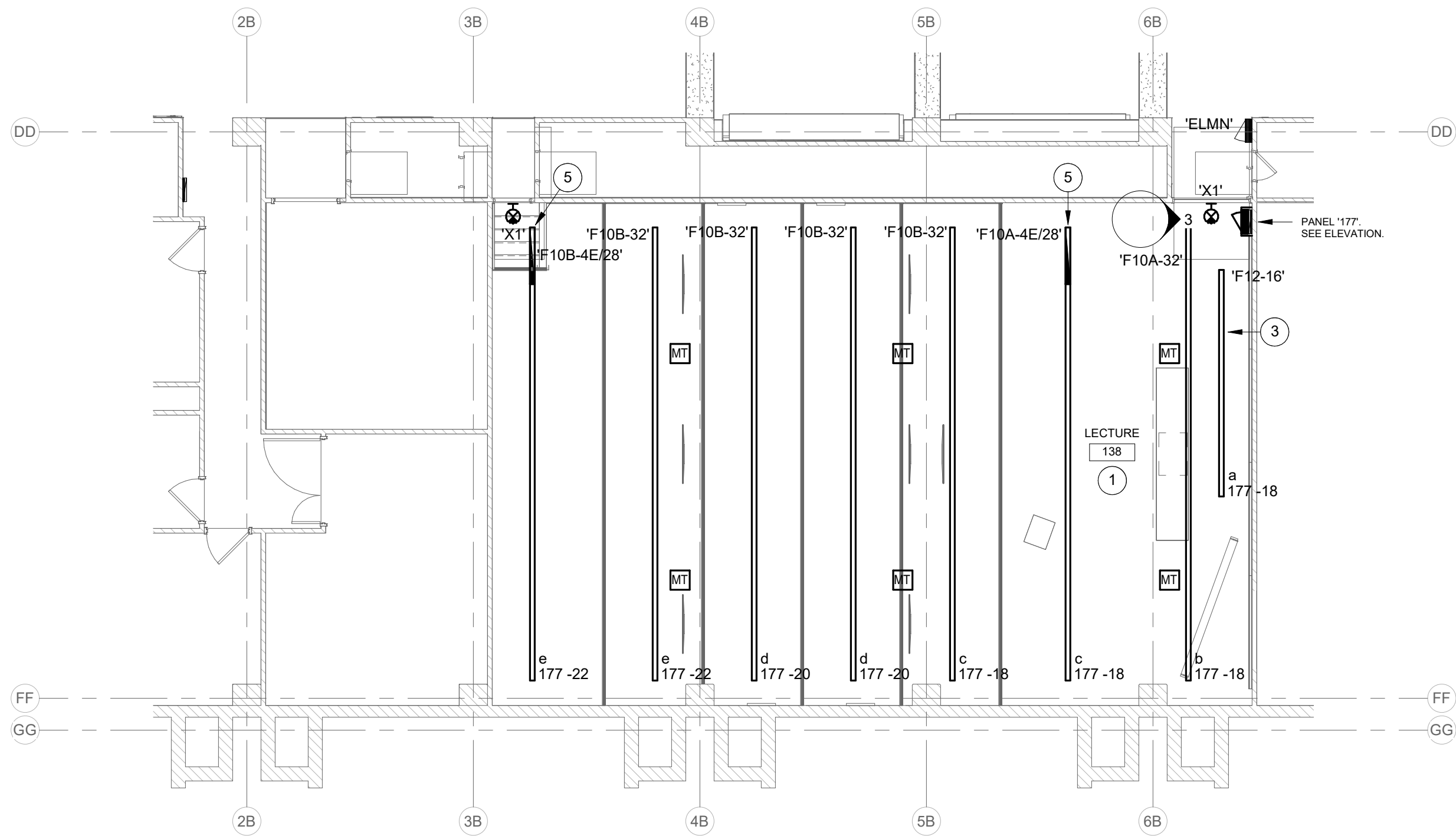
- WORK TO BE INSTALLED
- WORK TO REMAIN

GENERAL NOTES:

1. SEE E001 FOR GENERAL NOTES.

PLAN NOTES:

1. ROOM LIGHTS SHALL BE CONNECTED TO CIRCUIT INDICATED FROM PANEL LOCATED IN SAME ROOM. FIXTURES TO BE SURFACE-MOUNTED TO EXISTING UNISTRUT SYSTEM ON CEILING. ADD ADDITIONAL UNISTRUT AS NECESSARY FOR PROPER FIXTURE MOUNTING. COORDINATE LOCATION WITH MECHANICAL AND FIRE PROTECTION EQUIPMENT PRIOR TO ROUGH-IN.
2. PROVIDE 0-10V SLIDE DIMMER SWITCH TO CONTROL SWITCH LEG SHOWN. WATTSTOPPER RADIANT SERIES OR SIMILAR.
3. MOUNT LINEAR FIXTURE AT HEIGHT SUCH THAT FIXTURE IS FLUSH WITH NEAREST ADJACENT CONCRETE BEAM. HEIGHT IS APPROXIMATELY 9-FEET 5-INCHES ABOVE FINISHED FLOOR. VERIFY IN FIELD. COORDINATE FINAL LOCATIONS WITH ARCHITECT/ENGINEER.
4. CONNECT PORTION OF LIGHT FIXTURE TO EMERGENCY CIRCUIT. ELN1-9. INTERCEPT CIRCUIT IN NEAREST ACCESSIBLE JUNCTION BOX. PROVIDE CONDUIT AND CABLE TO EXTEND CIRCUIT AS REQUIRED. PANEL LOCATED IN CORRIDOR TO NORTH OF CLASSROOMS. DE-ENERGIZE CIRCUIT PRIOR TO COMMENCING WORK. CONNECT EXIT LIGHTS TO SAME EMERGENCY CIRCUIT.
5. CONNECT PORTION OF LIGHT FIXTURE TO EMERGENCY CIRCUIT. ELMN1-1. INTERCEPT CIRCUIT IN NEAREST ACCESSIBLE JUNCTION BOX. PROVIDE CONDUIT AND CABLE TO EXTEND CIRCUIT AS REQUIRED. PANEL LOCATED IN CORRIDOR TO NORTH OF CLASSROOMS. DE-ENERGIZE CIRCUIT PRIOR TO COMMENCING WORK. CONNECT EXIT LIGHTS TO SAME EMERGENCY CIRCUIT.
6. PROVIDE NEW PANEL INTERIOR IN EXISTING ENCLOSURE. INSTALL SO THAT TOP BREAKER IS 6'-6" AFF MAX. MODIFY ENCLOSURE AS REQUIRED. EXISTING METAL ENCLOSURE IS NOMINAL 20"Wx10"D. PROVIDE NEW METAL ENCLOSURE COVER AND PANEL DOOR AND SCREW TO EXISTING ENCLOSURE. PROVIDE COVER SECTIONS TO AID MAINTENANCE. RECONNECT ALL BRANCH CIRCUITS AND FEEDER TO REMAIN.

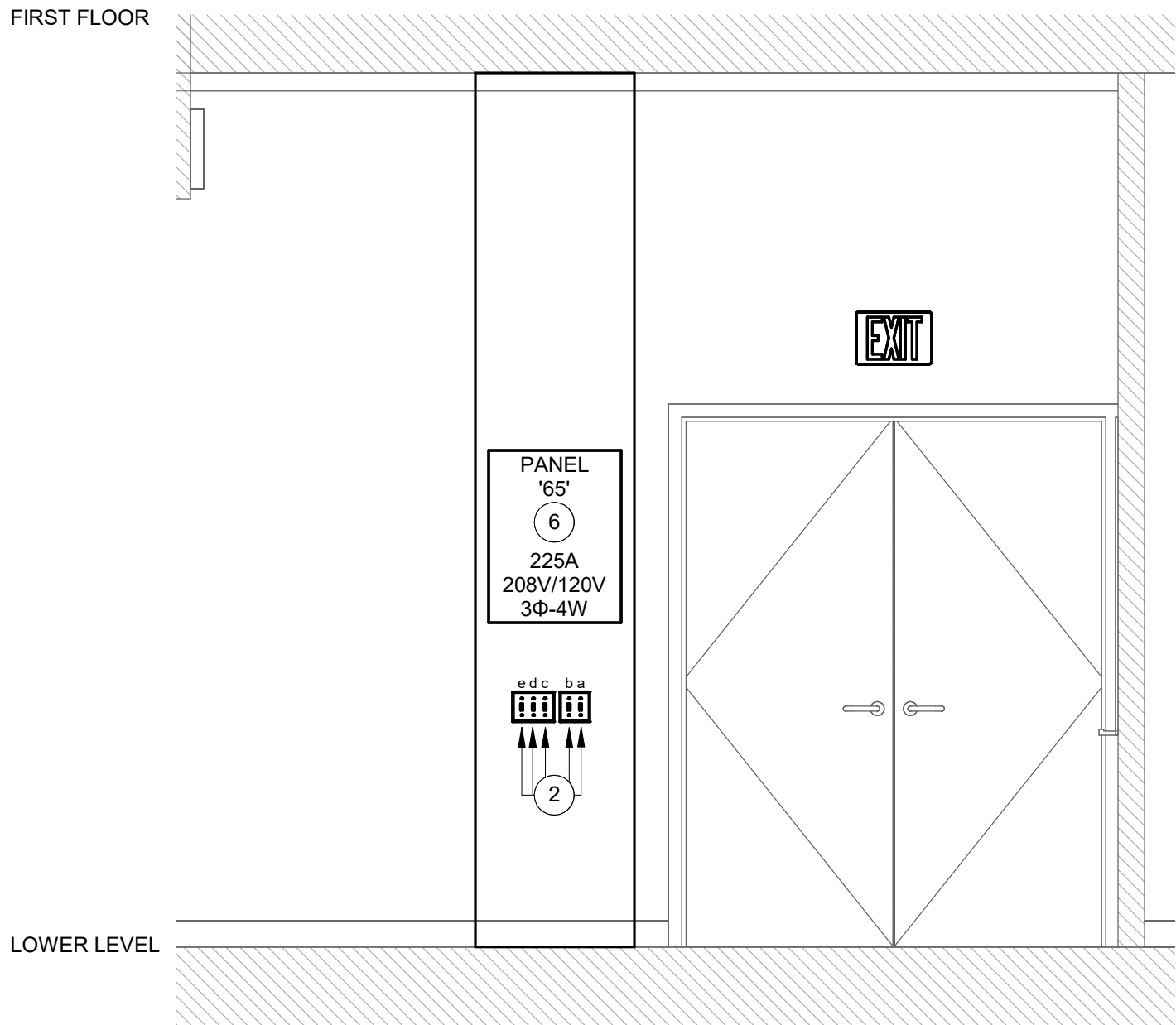
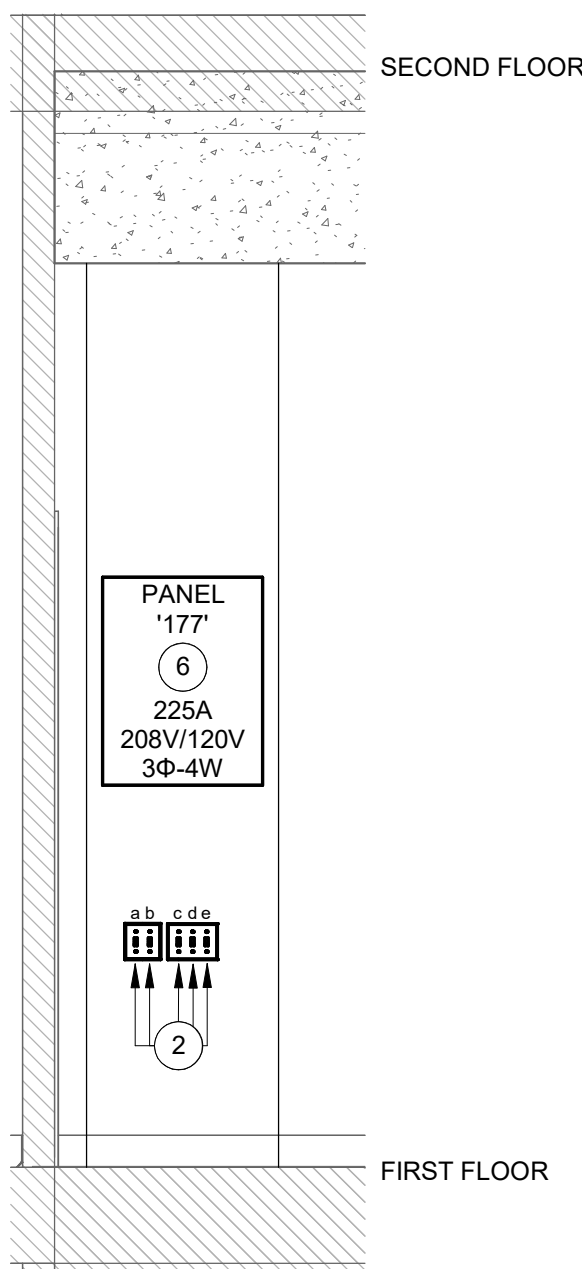


FIRST FLOOR PLAN - LIGHTING

SCALE: 1/8" = 1'-0"

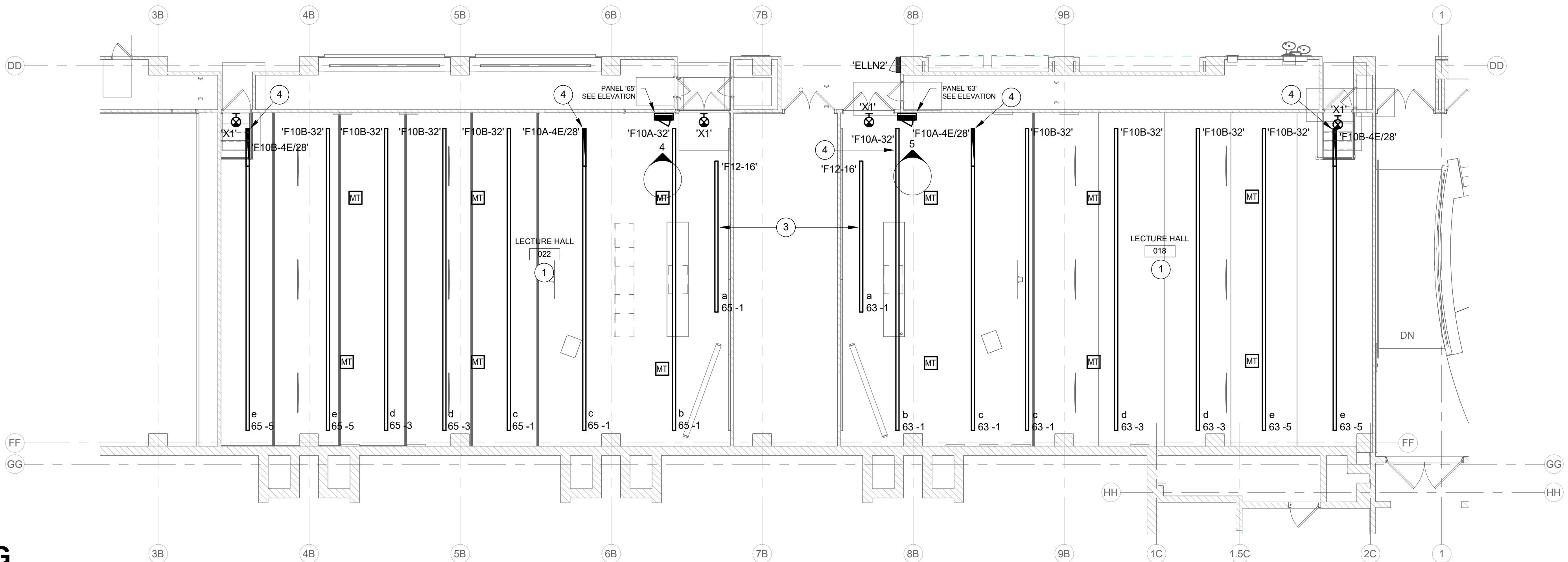
3 ELEVATION - CLASSROOM 138 LIGHTING

SCALE: 1/2" = 1'-0"



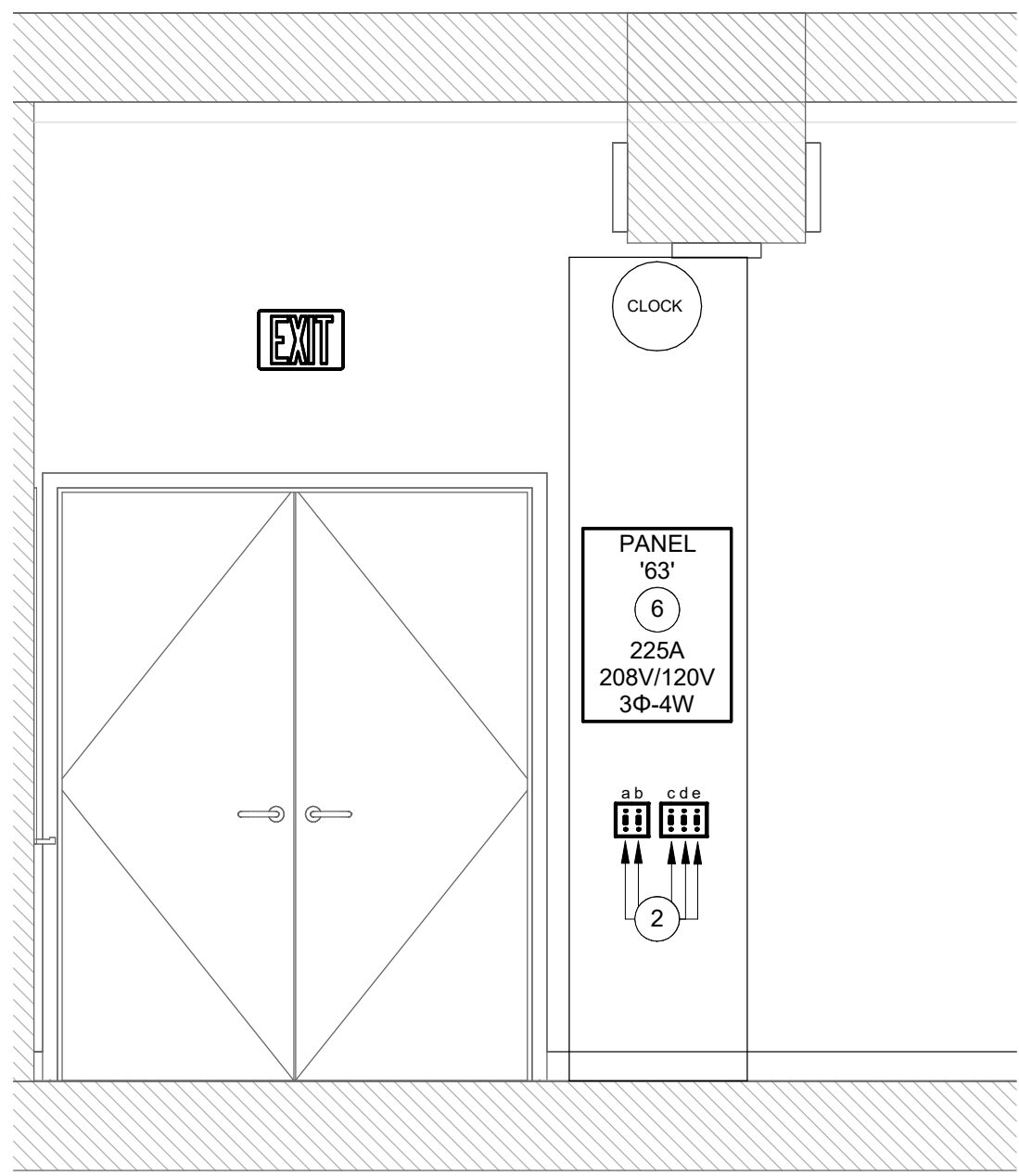
4 ELEVATION - CLASSROOM 022 LIGHTING

SCALE: 1/2" = 1'-0"



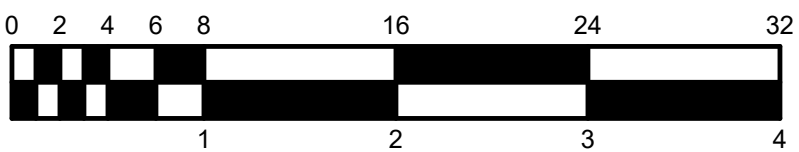
LOWER LEVEL PLAN - LIGHTING

SCALE: 1/8" = 1'-0"

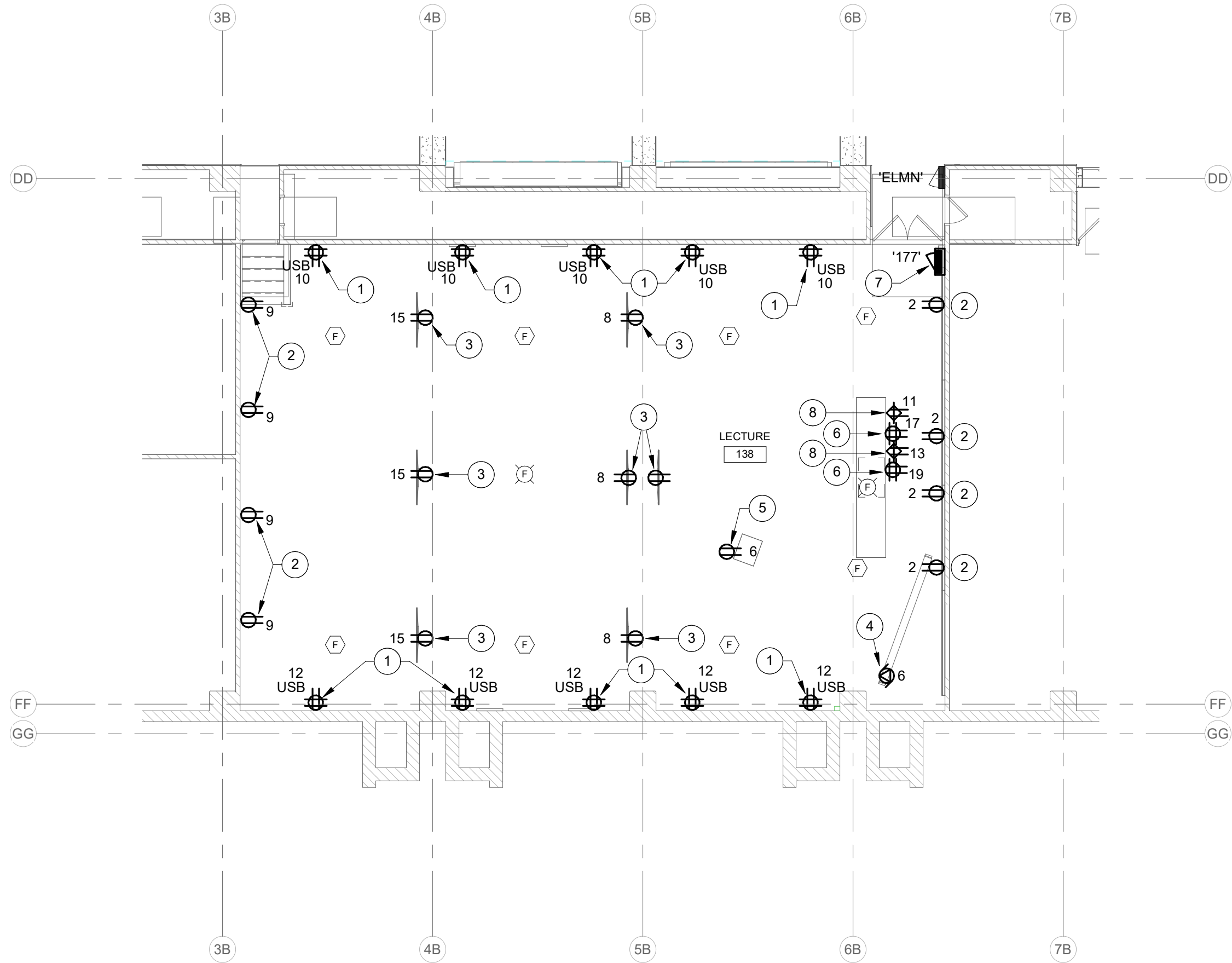


5 ELEVATION - CLASSROOM 018 LIGHTING

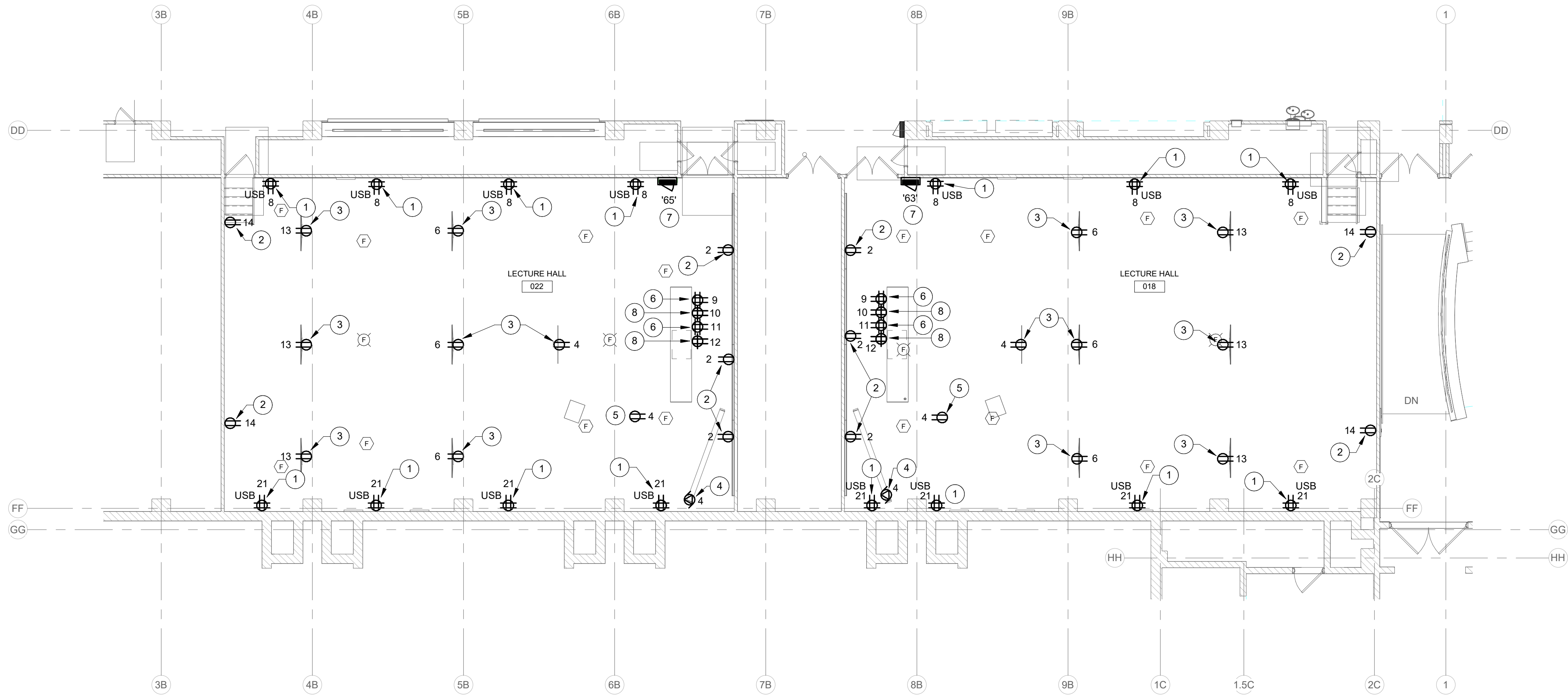
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FIRST FLOOR PLAN - POWER AND SIGNAL
SCALE: 1/8" = 1'-0"
NORTH



LOWER LEVEL PLAN - POWER AND SIGNAL
SCALE: 1/8" = 1'-0"
NORTH

RENOVATION LEGEND:

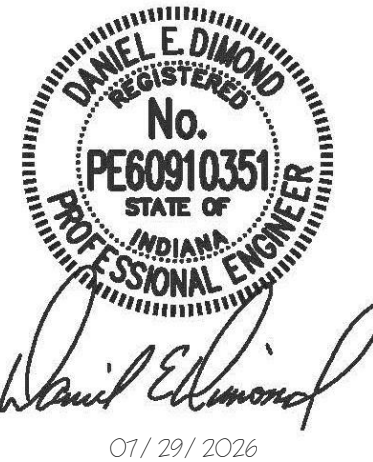
- WORK TO BE INSTALLED
- WORK TO REMAIN

GENERAL NOTES:

- SEE E001 FOR GENERAL NOTES.
- CIRCUITS INDICATED ARE FROM PANEL LOCATED IN SAME ROOM.
- SEE E201 FOR SCOPE OF WORK FOR PANEL REPLACEMENT.

PLAN NOTES:

- PROVIDE 2-GANG SURFACE DEVICE BOX OVER EXISTING RECESSED 1-GANG BOX AND PROVIDE RECEPTACLES AS SHOWN. PROVIDE NEW WIRING IN EXISTING RACEWAY.
- INSTALL RECEPTACLE IN EXISTING DEVICE BOX AND PROVIDE NEW WIRE IN EXISTING RACEWAY.
- COORDINATE LOCATION OF RECEPTACLE WITH VIDEO DISPLAY/ARCHITECT. PROVIDE STANDARD DUPLEX RECEPTACLE.
- PROVIDE POWER AND LOW VOLTAGE CONTROL CONNECTION TO PROJECTION SCREEN. INSTALL WALL-MOUNTED CONTROL STATION.
- PROVIDE CEILING-MOUNTED DUPLEX RECEPTACLE FOR PROJECTOR. COORDINATE LOCATION WITH PROJECTOR/ARCHITECT.
- QUADRIPLEX RECEPTACLE FOR DATA RACK. COORDINATE LOCATION WITH TELECOM DRAWINGS/ARCHITECT.
- PROVIDE NEW PANEL IN EXISTING ENCLOSURE. SEE E201.
- PROVIDE HORIZONTAL DUPLEX. TO BE LOCATED IN FRONT APRON OF DEMONSTRATION TABLE, UNDER COUNTERTOP.



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CLIENT PROJECT NUMBER:

B0028832

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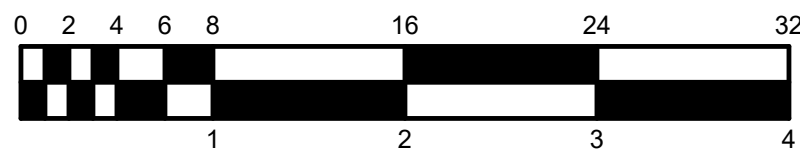
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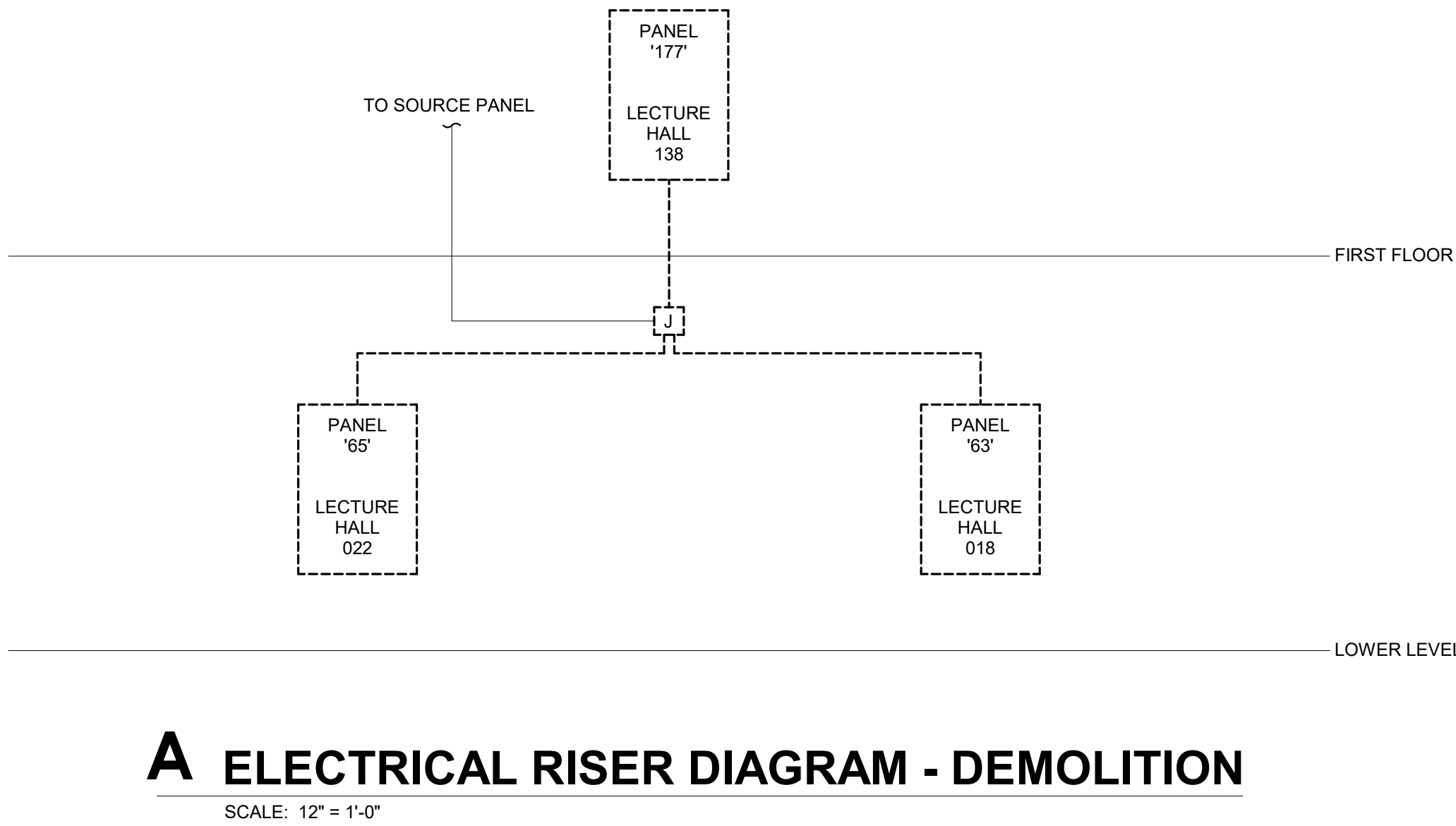
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LOWER LEVEL
AND FIRST
FLOOR PLANS -
POWER

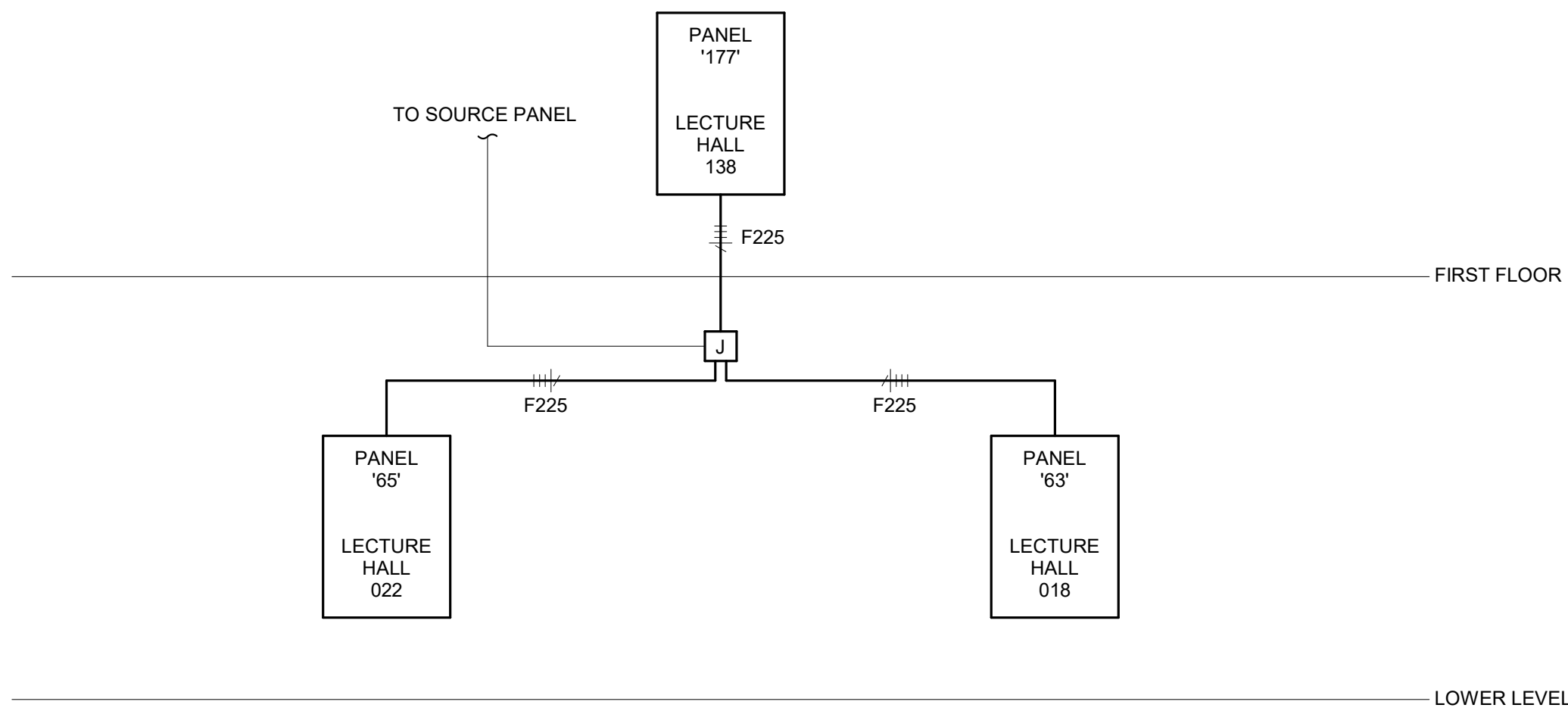
DRAWING NUMBER:

E211





A ELECTRICAL RISER DIAGRAM - DEMOLITION
SCALE: 12" = 1'-0"



B ELECTRICAL RISER DIAGRAM - NEW WORK
SCALE: 12" = 1'-0"

LEGEND:

- WORK TO BE REMOVED
- WORK TO REMAIN
- WORK TO BE INSTALLED

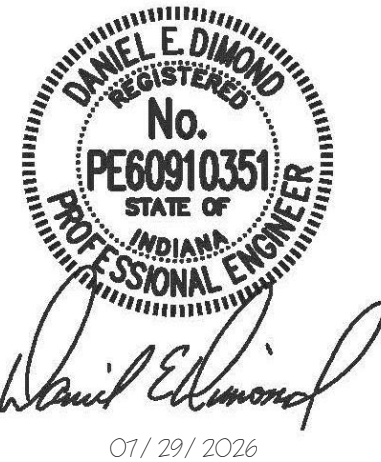
GENERAL NOTES:

- SEE E001 FOR GENERAL NOTES.

PLAN NOTES:

- NONE.

COPPER FEEDER AND BRANCH CIRCUIT SCHEDULE								
FEEDER/BRANCH CIRCUIT DESIGNATION	CONDUCTOR SIZE PER CONDUIT		CONDUIT SIZE AND QUANTITY					
	PHASE & NEUTRAL	EQUIPMENT GROUND	1P, 1N, 1G, 2P, 1G	2P, 1N, 1G, 3P, 1G	3P, 1N, 1G	3P, 2N, 1G	3P, 3N, 1G	3P, 1N, 2G
F20	12	12	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
F30	10	10	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
F40-F50	8	10	3/4"	3/4"	3/4"	1"	1"	3/4"
F60	6	10	3/4"	3/4"	1"	1"	1"	1"
F70-F80	4	8	3/4"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
F90-F100	3	8	1"	1"	1 1/4"	1 1/4"	1 1/2"	1 1/2"
F110	2	6	1"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"
F125	1	6	1 1/4"	1 1/4"	1 1/2"	2"	2"	1 1/2"
F150	1/0	6	1 1/4"	1 1/2"	1 1/2"	2"	2"	2"
F175	2/0	6	1 1/4"	1 1/2"	2"	2"	2 1/2"	2"
F200	3/0	6	1 1/2"	2"	2"	2 1/2"	2 1/2"	2"
F225	4/0	4	1 1/2"	2"	2 1/2"	2 1/2"	3"	2 1/2"
F250	250	4	2"	2"	2 1/2"	3"	3"	2 1/2"
F300	350	4	2"	2 1/2"	3"	3"	3 1/2"	3"
F350	500	3	2 1/2"	3"	3 1/2"	3 1/2"	4"	3 1/2"
F400	3/0	3	(2) 1 1/2"	(2) 2"	(2) 2"	(2) 2 1/2"	(2) 2 1/2"	(2) 2"
F450	4/0	2	(2) 1 1/2"	(2) 2"	(2) 2 1/2"	(2) 2 1/2"	(2) 3"	(2) 2 1/2"
F500	250	2	(2) 2"	(2) 2"	(2) 2 1/2"	(2) 3"	(2) 3"	(2) 2 1/2"
F600	350	1	(2) 2"	(2) 2 1/2"	(2) 3"	(2) 3"	(2) 3 1/2"	(2) 3"
F700-800	500	1/0	(2) 2 1/2"	(2) 3"	(2) 3 1/2"	(2) 3 1/2"	(2) 4"	(2) 3 1/2"
F900	350	2/0	(3) 2"	(3) 2 1/2"	(3) 3"	(3) 3"	(3) 3 1/2"	(3) 3"
F1000	500	2/0	(3) 2 1/2"	(3) 3"	(3) 3 1/2"	(3) 3 1/2"	(3) 4"	(3) 3 1/2"
F1200	350	3/0	(4) 2 1/2"	(4) 2 1/2"	(4) 3"	(4) 3"	(4) 3 1/2"	(4) 3"
F1600	500	4/0	(5) 2 1/2"	(5) 3"	(5) 3 1/2"	(5) 3 1/2"	(5) 4"	(5) 3 1/2"
F2000	500	250	(6) 2 1/2"	(6) 3"	(6) 3 1/2"	(6) 4"	(6) 4"	(6) 3 1/2"
F2500	500	350	(7) 3"	(7) 3"	(7) 3 1/2"	(7) 4"	(7) 4"	(7) 3 1/2"
F3000	500	500	(8) 3"	(8) 3"	(8) 3 1/2"	(8) 4"	(8) 4"	(8) 3 1/2"
F4000	500	500	(11) 3"	(11) 3"	(11) 3 1/2"	(11) 4"	(11) 4"	(11) 3 1/2"
NOTES:								
1. CONDUCTOR SIZES ARE BASED UPON 75°C AMPACITY. NO DERATING AND NO ADJUSTMENTS FOR VOLTAGE DROP. ADJUST AS REQUIRED BY EACH FIELD CONDITION IN ORDER TO COMPLY WITH UL AND NEC.								



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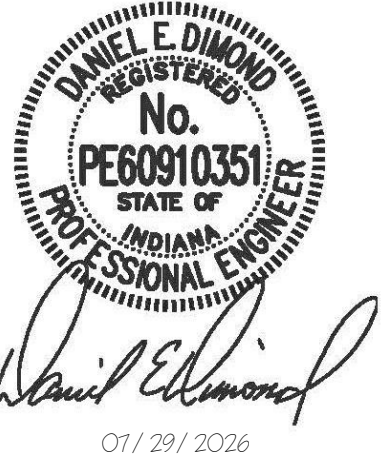
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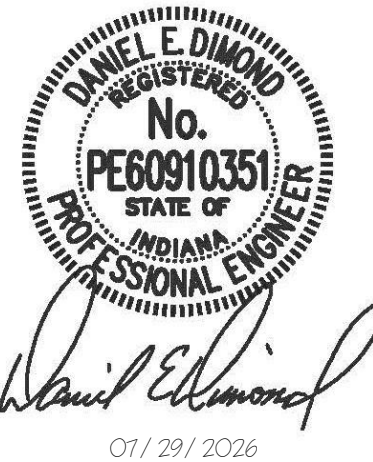
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INTERIOR LIGHT FIXTURE SCHEDULE									
MARK	DESCRIPTION	MOUNTING	WATTS	CRI	COLOR	LUMENS	VOLTS	MANUFACTURER(S)	MARK
F10A-4E/28	LINEAR DIRECT 4-INCH WIDE BY 32-FOOT LONG, WHITE HOUSING, FLUSH WHITE DIFFUSER, 0-10V DIMMING TO 10-PERCENT, HIGH OUTPUT, (1) 4-FOOT SECTION WITH AUTOMATIC LOAD CONTROL, RELAY FOR EMERGENCY POWER AS SHOWN ON DRAWINGS.	SURFACE	7.1W/FT	80	3500K	720/FT	120V	FINELITE HP-4-SM-32"-H-835-F-120V-C4-1/ALCR	F10A-4E/28
F10A-32	SAME AS FIXTURE TYPE "F10A-4E/32" EXCEPT WITH NO EMERGENCY SECTION OR ALCR.	SURFACE	7.1W/FT	80	3500K	720/FT	120V	FINELITE HP-4-SM-32"-H-835-F-120V-C4	F10A-32
F10B-4E/28	SAME AS FIXTURE TYPE "F10A-4E/32" EXCEPT LUMEN PACKAGE.	SURFACE	4.6W/FT	80	3500K	477/FT	120V	FINELITE HP-4-SM-32"-B-835-F-120V-C4-1/ALCR	F10B-4E/28
F10B-32	SAME AS FIXTURE TYPE "F10A-32" EXCEPT LUMEN PACKAGE.	SURFACE	4.6W/FT	80	3500K	477/FT	120V	FINELITE HP-4-SM-32"-B-835-F-120V-C4	F10B-32
F12-16	LINEAR DIRECT 4-INCH WIDE BY 16-FOOT LONG, AIRCRAFT CABLE, WHITE HOUSING, FLUSH WHITE DIFFUSER, 0-10V DIMMING TO 10-PERCENT, WALL WASH, VERY HIGH OUTPUT.	SUSPENDED	5W/FT	80	3500K	454/FT	120V	FINELITE HP-4 WW-D-K-16"-V-835-120V-FA-SC-C4	F12-16
X1	EXIT SIGN, RED LETTERS, UNIVERSAL FACE, UNIVERSAL MOUNT, WHITE THERMOPLASTIC HOUSING, NICAD BATTERY, 2-YEAR WARRANTY, SELF-POWERED.	UNIVERSAL	5W	80	RED	N/A	120V	COMPASS CER SERIES	X1

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COMMUNICATIONS TECHNOLOGY LEGEND

SYMBOL	DESCRIPTION	ROUGH-IN – SEE NOTE (2)			NOTES
		BOX	HEIGHT	WIRE WAY	
TELECOMMUNICATIONS (VOICE, DATA, AND VIDEO)					
	VOICE OUTLET, WALL MOUNTED TELEPHONE	1-GANG BOX	• 48" AFF	1" CONDUIT TAAC	• MOUNTING HEIGHT SUBJECT TO ADA REQUIREMENTS WALL PHONE AND EMERGENCY CALL STATION ARE OWNER PROVIDED.
	W = DENOTES WALL TELEPHONE USE. UON ONE 4 PR UFP. EC = EMERGENCY CALL STATION				
	EQUIPMENT OUTLET	2-GANG BACK BOX, DEEP	COUNTER HEIGHT	1" CONDUIT TAAC	EQUIPMENT CONNECTION; COORDINATE LOCATION WITH ACCESS TO ELECTRICAL POWER OUTLET
	X = DENOTES INTENDED USE: ELEV/ELEVATOR, FACP/FIRE ALARM CONTROL PANEL, BAS/BUILDING AUTOMATION SYSTEM (HVAC), POS/POINT OF SALE UON TWO 4 PR UFP.				
	DATA OUTLET	2-GANG BACK BOX, DEEP LI OPTION : 3-GANG BACK BOX, 3=1/2" DEEP	18" AFF	(2) 1" CONDUIT TAAC OR (1) 1 3/4" CONDUIT TAAC	WHEN "LI" SUBSCRIPT IS USED WITH THIS SYMBOL, PROVIDE ALL ADDITIONAL CABLING AND CONNECTIVITY AS INDICATED ON DETAILS.
	X = DENOTES QUANTITY OF CABLES. MINIMUM 2-DATA CABLE.				
	WIRELESS ACCESS POINT	1-GANG BACK BOX WHEN WALL MOUNTED CEILING MOUNTED LOCATIONS SHALL INCLUDE A CABLE SUPPORT : DISCREET CABLES TO ATTACH DIRECTLY TO DEVICE WHEN INSTALLED	SEE NOTES	3/4" CONDUIT TAAC	WALL MOUNTED VERSIONS OF THIS DEVICE SHALL BE INSTALLED 84" AFF OR 6" BELOW FINISHED CEILING, WHICHEVER IS HIGHER. PROVIDE 1 WAP PER EACH 25 USERS.
	WAP = DENOTES SPECIAL USE. MINIMUM 1 DATA CABLE				
	LOCAL AUDIO SPEAKER	1-GANG BACK BOX WHEN WALL MOUNTED CEILING MOUNTED LOCATIONS SHALL INCLUDE A CABLE SUPPORT : DISCREET CABLES TO ATTACH DIRECTLY TO DEVICE WHEN INSTALLED	SEE NOTES	3/4" CONDUIT TAAC	WALL MOUNTED VERSIONS OF THIS DEVICE SHALL BE INSTALLED 84" AFF OR 6" BELOW FINISHED CEILING, WHICHEVER IS HIGHER.
	L = DENOTES SPECIAL USE.				
	SPECIAL SUBSCRIPT DEFINITIONS	2-GANG BACK BOX, DEEP LI OPTION : 3-GANG BACK BOX, 3=1/2" DEEP	18" AFF	(2) 1" CONDUIT TAAC OR (1) 1 3/4" CONDUIT TAAC LI OPTION : (3) 1" CONDUITS TAAC	WHEN "LI" SUBSCRIPT IS USED WITH THIS SYMBOL, PROVIDE ALL ADDITIONAL CABLING AND CONNECTIVITY AS INDICATED ON DETAILS.
	IN ADDITION TO BASIC SYMBOL REQUIREMENTS: B = BLANK COVER PLATE, NO CONNECTORS OR CABLES LI = LOCAL AV INPUT OPTION (SEE SPECS AND DETAILS) LO = LOCAL OUTPUT; SPECIFIC LOCATION FOR TERMINATION OF LI CABLES (SEE SPECS AND DETAILS) FO = ADD ONE PAIR OF 50/125 MM FIBER OPTIC CABLE (SEE SPECS AND DETAILS)				
	TELEVISION OUTLET – WALL MOUNTED	2-GANG BACK BOX, DEEP LO OPTION : 3-GANG DEVICE BOX, 3=1/2" DEEP	84" AFF	(2) 1" CONDUIT TAAC OR (1) 1 3/4" CONDUIT TAAC LI OPTION : (3) 1" CONDUITS TAAC	COORDINATE LOCATION OF THIS DEVICE WITH AC POWER. PROVIDE AC POWER RECEPTACLE ADJACENT TO EACH OF THESE DEVICES.
	PROVIDE (1) DATA CABLE CABLE, LO = SPECIAL LOCAL AV OUTPUT OPTION. SEE SPECS AND DETAILS.				
	TELEVISION OUTLET CEILING HUNG	ABOVE CEILING CABLE SUPPORT; DISCREET CABLES TO PASS THROUGH MOUNTING STEM TO ATTACH DIRECTLY TO DEVICE WHEN INSTALLED	84" AFF		COORDINATE LOCATION OF THIS DEVICE WITH AC POWER. PROVIDE AC POWER RECEPTACLE ADJACENT TO EACH OF THESE DEVICES.
	PROVIDE (1) DATA CABLE CABLE, LO = SPECIAL LOCAL AV OUTPUT OPTION. SEE SPECS AND DETAILS.				
	VIDEO PROJECTOR LOCATION – CEILING MOUNTED	ABOVE CEILING CABLE SUPPORT; DISCREET CABLES TO PASS THROUGH MOUNTING STEM TO ATTACH DIRECTLY TO DEVICE WHEN INSTALLED	84" AFF		COORDINATE LOCATION OF THIS DEVICE WITH AC POWER. PROVIDE AC POWER RECEPTACLE ADJACENT TO EACH OF THESE DEVICES.
	PROVIDE (1) DATA CABLE CABLE MINIMUM UON. LO = SPECIAL LOCAL AV OUTPUT OPTION. SEE SPECS AND DETAILS.				
	VIDEO PROJECTOR LOCATION – OUTLET (PORTABLE USE)	2-GANG BACK BOX, DEEP LO OPTION : 3-GANG DEVICE BOX, 3=1/2" DEEP	84" AFF	(2) 1" CONDUIT TAAC OR (1) 1 3/4" CONDUIT TAAC LI OPTION : (3) 1" CONDUITS TAAC	COORDINATE LOCATION OF THIS DEVICE WITH AC POWER. PROVIDE AC POWER RECEPTACLE ADJACENT TO EACH OF THESE DEVICES.
	PROVIDE (1) DATA CABLE CABLE MINIMUM UON. LO = SPECIAL LOCAL AV OUTPUT OPTION. SEE SPECS AND DETAILS.				
	TELECOMMUNICATIONS ACTIVE CEILING ENCLOSURE	SEE SPECIFICATIONS; MOUNTS IN 2' X 2' ACCESSIBLE CEILING TILE GRID	84" AFF		COORDINATE LOCATION OF THIS DEVICE WITH AC POWER. PROVIDE AC POWER RECEPTACLE ADJACENT TO EACH OF THESE DEVICES.
	PROVIDE (1) DATA CABLE CABLE MINIMUM UON. LO = SPECIAL LOCAL AV OUTPUT OPTION. SEE SPECS AND DETAILS.				
	SPECIAL USE (VP, WAP, ETC.) ACTIVE CEILING ENCLOSURE	SEE SPECIFICATIONS; MOUNTS IN 2' X 2' ACCESSIBLE CEILING TILE GRID	84" AFF		COORDINATE LOCATION OF THIS DEVICE WITH AC POWER. PROVIDE AC POWER RECEPTACLE ADJACENT TO EACH OF THESE DEVICES.
	PROVIDE (1) DATA CABLE CABLE MINIMUM UON. LO = SPECIAL LOCAL AV OUTPUT OPTION. SEE SPECS AND DETAILS.				
	TELE-POWER POLE	SEE NOTES	COORDINATE FOR POWER CONNECTION WITH E.G.	SEE NOTES	
	X = DENOTES QUANTITY OF CABLE.				
	CONNECTION TO SYSTEM FURNITURE – WALL	MULTI-GANG BACK BOX, MINIMUM 2-1/2" DEEP WITH FURNITURE WHIP ASSEMBLY	18" AFF COORDINATE WITH FURNITURE / CASEWORK	PROPERLY SIZED FOR QUANTITY OF CABLES DESIRED (40% FILL)	PROVIDE FURNITURE WHIP ASSEMBLY TO THE SYSTEM FURNITURE. COORDINATE WITH FURNITURE SYSTEM.
	CONNECTION TO SYSTEM FURNITURE – FLOOR	SEE SPECIFICATIONS AND DETAILS FOR FLOOR BOX TYPE WITH FURNITURE WHIP ASSEMBLY		PROPERLY SIZED FOR QUANTITY OF CABLES DESIRED (40% FILL)	PROVIDE FURNITURE WHIP ASSEMBLY TO THE SYSTEM FURNITURE. COORDINATE WITH FURNITURE SYSTEM.
	FLOOR BOX, MULTI-FUNCTION COMMUNICATIONS BOX	SEE DETAILS FOR ADDITIONAL REQUIREMENTS	FLUSH IN FINISHED FLOOR	(3) 1-1/4" CONDUIT AND (2) 3/4" CONDUIT TAAC	
	X = BOX TYPE				
	FLOOR OUTLET – POKE THROUGH	SEE SPECS AND DETAILS			
	X = DENOTES QUANTITY OF CABLES.				
SECURITY					
	DOOR STATUS CONTACT(S)	N/A	TOP OF DOOR FRAME	3/4" CONDUIT TAAC	PROVIDE TWO INDEPENDENT CONTACTS ON DOUBLE DOORS. ADJACENT DOORS MAY SHARE THE SAME ROUGH-IN IF CONSTRUCTION ALLOWS.
	CONCEALED MAGNETIC TYPE ALL DOOR CONTACT SWITCHES SHALL BE DPDT UNLESS OTHERWISE NOTED				
	PROXIMITY READER	1-GANG BOX, 3 1/2" DEEP	48" AFF	1" CONDUIT TAAC	
	ACCESS CONTROL SYSTEM, DOOR RELEASE SWITCH	1-GANG BOX	48" AFF	3/4" CONDUIT TAAC	
	ACCESS CONTROL SYSTEM, DOOR ENTRY KEYPAD	1-GANG BOX, 3 1/2" DEEP	48" AFF	1" CONDUIT TAAC	
	PANIC (DURESS) SWITCH/STATION	1-GANG DEVICE BOX	48" AFF	3/4" CONDUIT TAAC	
	DOOR LOCK, ELECTRIC SHEAR TYPE	AS REQUIRED BY LOCK	TOP OF DOOR FRAME	3/4" CONDUIT TAAC	
	ACCESS CONTROL SYSTEM, ELECTRIC DOOR LOCK/STRIKE	N/A	SIDE OF DOOR FRAME	3/4" CONDUIT TAAC	
	SURVEILLANCE CAMERA	2-GANG BOX, 3 1/2" DEEP	10" EXTERIOR AFF	1" CONDUIT TAAC	COORDINATE ROUGH-IN WITH CAMERA SUPPLIER
	SEE NOTE				
	CAMERA, COVERT	1-GANG DEVICE BOX	CEILING MOUNT	3/4" CONDUIT TAAC	COORDINATE ROUGH-IN WITH CAMERA SUPPLIER
	SEE NOTE				
	MICROPHONE, COVERT	1-GANG DEVICE BOX	48" AFF	3/4" CONDUIT TAAC	COORDINATE ROUGH-IN WITH MICROPHONE SUPPLIER
	SEE NOTE				
	CONTROL STATION	1-GANG BOX, 3 1/2" DEEP	48" AFF	3/4" CONDUIT TAAC	
	MOTION SENSOR	1-GANG BOX	96" AFF UON	3/4" CONDUIT TAAC	
* ALL 1-Gang and 2-Gang Boxes reference in this legend shall be assembled from 4 11/16th" square boxes with separate trim rings. Depth of composite assembly shall be as indicated. ** Where a mounting height measurement is applied to a rough-in, the measurement shall be referenced to the center of the rough-in device, UON. *** A Triangle symbol without a subscript designation shall have at least the minimum quantities of cable(s); Solid – one voice, Hollow – one data, and Combination – one voice and one data cable. See Faceplate Detail Sheet for cabling requirements.					
Where a telecommunications outlet location is adjacent to an electrical outlet, the mounting height will be the same for each. Where multiple Telecommunications are adjacent (such as Telecommunications and Sound Devices, faceplates shall be coordinated to the same type and color and mounted at the same height.					
CONDUIT RUNS SHALL HAVE NO MORE THAN 180 DEGREES OF BENDS WITHOUT AN ADEQUATE PULL BOX.					



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LEGEND

ISU-T-001



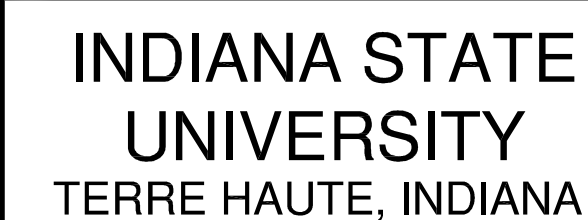
- | | |
|----|------------|
| 1. | 4" CONDUIT |
| 2. | 4" SLEEVE |
| 3. | NOT USED |
| 4. | NOT USED |

NOTE: STACKED ROOMS SHALL HAVE SLEEVES THROUGH FLOOR; IF ROOMS OFFSET SUBSTITUTE CONTINUOUS CONDUITS.



GENERAL ROUGH-IN NOTES:

- 1) WHERE CONDUIT IS SHOWN AND/OR SPECIFIED, CONTRACTOR SHALL PROVIDE ALL PULL BOXES SHOWN, PLUS ADDITIONAL PULL BOXES AS FOLLOWS:
 - A) EVERY 100 DEGREES OF CONDUIT BEND;
 - B) EVERY 100 FEET OF CONDUIT PATH.
- 2) PULL BOXES AND JUNCTION BOXES SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS.
- 3) ALL ROUGH-IN REQUIREMENTS, INCLUDING BUT NOT LIMITED TO MOUNTING HEIGHTS, BOX SIZES, AND CONDUIT PATHS, AS THEY MAY BE INDICATED ON PLANS, DETAILS AND QUANTITIES SHALL TAKE PRECEDENCE OVER MOUNTING HEIGHTS LISTED ON THE LEGEND. ELEVATIONS AND SIZES OF CONDUITS ARE PER LEGEND UNLESS EXPRESSLY LISTED ON THE DRAWINGS.
- 4) THE DIVISION 26 ELECTRICAL CONTRACTOR SHALL PROVIDE CABLING PATHWAYS AND ROUGH-IN IDENTIFIED ON THE PLANS AND TELECOMMUNICATIONS LEGEND TO SUPPORT COMMUNICATION TECHNOLOGY WORK, UNLESS NOTED OTHERWISE. ALL OTHER PATHWAYS REQUIRED TO SUPPORT COMMUNICATION TECHNOLOGY WORK THAT IS NOT CLEARLY IDENTIFIED OR CLEARLY TO BE PROVIDED BY OTHERS SHALL BE PROVIDED BY THE DIVISION 27 CONTRACTOR.
- 5) ROUGH-IN PROVIDER SHALL COORDINATE CLOSELY WITH THE DEVICE AND CABLE PROVIDER(S), PRIOR TO INSTALLATION, TO BE CERTAIN THAT THE TYPE AND LOCATION OF ALL ROUGH-IN AND PATHWAY PROVISIONS ARE COORDINATED AND WILL ADEQUATELY SUPPORT THE SYSTEMS TO BE INSTALLED. ANY COSTS INCURRED RESULTING FROM A FAILURE TO ADEQUATELY COORDINATE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 6) ALL 1-GANG AND 2-GANG BOXES REFERENCED ON THE LEGEND SHALL BE ASSEMBLED FROM 4 1/16" HX 1 1/2" SQUARE BOXES WITH SEPARATE TRIM RINGS. DEPTH OF COMPOSITE ASSEMBLY SHALL BE MAINTAINED.
- 7) PROVIDE COVER PLATES FOR ALL DEVICE, JUNCTION AND PULL BOXES. COORDINATE MATERIAL AND FINISH OF ALL BLANK PLATES TO MATCH SURROUNDING PLATES.
- 8) WHERE DEVICE CONDUITS ARE SPECIFIED "TAA-C" (TO ABOVE ACCESSIBLE CEILING) THIS SHALL IMPLY THAT CONDUITS SHALL BE STUBBED OUT INTO AN ACCESSIBLE CONCEALED CEILING CAVITY.
- 9) PROVIDE PULL STRINGS INSTALLED IN ALL CONDUITS INCLUDING THOSE PROVIDED FOR IMMEDIATE AND FUTURE USE.
- 10) WHERE A MOUNTING HEIGHT MEASUREMENT IS APPLIED TO A ROUGH-IN, THE MEASUREMENT SHALL BE REFERENCED TO THE CENTER OF THE ROUGH-IN DEVICE.
- 11) RESERVED
- 12) EXPOSED CONDUIT SHALL NOT BE PERMITTED IN FINISHED AREAS.
- 13) SURFACE MOUNT BACK BOXES AND MATCHING RACEWAY SHALL BE USED FOR COMMUNICATION TECHNOLOGY DEVICES THAT ARE NOT INSTALLED WITHIN A WALL OR CEILING.
- 14) WHERE SPECIFICATIONS AND/OR DRAWINGS INDICATE THE USE OF SURFACE RACEWAY AND BOXES IN LIEU OF RECESSED ROUGH-IN, THE BOX SIZE AND USABLE RACEWAY CABLE AREA SHALL SUBSTANTIALLY MATCH THAT OF THE DEFAULT STANDARD ROUGH-IN. IN SOME CIRCUMSTANCES, THE CONTRACTOR MAY BE REQUIRED TO PURCHSE MATERIALS SPECIFIED BY SPECIAL ORDER FROM THE MANUFACTURERS.
- 15) ROUGH-IN PROVIDER SHALL PROVIDE ALL WALL/FLOOR PENETRATIONS AND FIRE STOPPING REQUIRED FOR COMMUNICATIONS TECHNOLOGY CABLING THAT MUST TRANSITION FROM SURFACE RACEWAY TO ACCESSIBLE CEILING CAVITIES.
- 16) CONDUIT PRODUCT AND MATERIALS FOR COMMUNICATION TECHNOLOGY USE SHALL BE PROVIDED WITH NYLON END-BUSHINGS. BUSHINGS SHALL BE INSTALLED AT EACH END OF THE CONDUIT. AT EACH PULL/JUNCTION/DEVICE BOX, ON CONDUIT STUBS; AT EACH LOCATION WHERE PULLING CABLE THROUGH THE CONDUIT MAY CAUSE THE CABLE TO RUB AGAINST THE END OF A CONDUIT OR ITS END FITTING.
- 17) DEVICES TO BE INSTALLED IN CASEWORK LOCATIONS SHALL BE CLOSELY COORDINATED WITH THE CASEWORK TO ENSURE FUNCTIONAL CONNECTIVITY. COORDINATE WITH ARCHITECT AND EQUIPMENT AND CASEWORK DRAWINGS.
- 18) ALL COMMUNICATION TECHNOLOGY ROUGH-IN SHALL BE CLOSELY COORDINATED IN THE FIELD TO THE COMPONENTS OF THE INTENDED FURNITURE PLAN AND SAFE AND EFFICIENT CONNECTIVITY OF COMMUNICATION TECHNOLOGY EQUIPMENT.
- 19) MANY COMMUNICATION TECHNOLOGY DEVICES ARE REQUIRED TO HAVE ADJACENT POWER OUTLETS TO SERVE THE SAME EQUIPMENT. CLOSE PROXIMITY OF THESE DEVICES IS CRITICAL TO USABILITY AND AESTHETICS. CONTRACTOR SHALL COORDINATE THESE DEVICES WITH LOCATED ADJACENT AND AT THE SAME HEIGHT.
- 20) TELECOMMUNICATION DEVICE MOUNTING HEIGHT SHALL BE CONSISTENT WITH THE ELECTRICAL OUTLET MOUNTING HEIGHTS FOR THE FACILITY (NEW OR EXISTING) UNLESS OTHERWISE INDICATED ON DRAWINGS. CONTRACTOR SHALL SEEK THE DIRECTION OF THE DESIGNER/ARCHITECT/ENGINEER/CONSULTANT SHOULD DISCREPANCIES BE FOUND WITHIN THE DRAWINGS, SPECIFICATIONS AND DRAWINGS.
- 21) FOR THE ELEVATOR (ELEV), COORDINATE TERMINATION WITH ELEVATOR CONTRACTOR. PROVIDE CONDUIT FROM ELEVATOR CONTROL PANEL TO THE CORRIDOR CEILING SPACE, UNLESS OTHERWISE NOTED.
- 22) COORDINATE THE REQUIREMENTS FOR THE BUILDING AUTOMATION SYSTEM (BAS), INCLUDING LOGIC, WITH THE MECHANICAL CONTRACTOR.
- 23) ALL CONDUITS STUBBED INTO THE CEILING CAVITY SHALL BE MARKED WITH AN INDELEIBLE MARKER INDICATING THE CONDUITS INTENDED USE. MARK SO AS TO BE READABLE FROM BELOW WITHIN 6 INCHES OF THE CLOSING WITH THE FOLLOWING LABELS: "CAMERA," "ELEVATOR," "FLOOR," "MIC," "CLOCK," "VOL," "PANEL," "WAP," "DATA," "PHONE," "COM," "REF," "VP," "INPUT," ETC.
- 24) DIVISION 26 CONTRACTOR SHALL PROVIDE A MINIMUM OF TWO (2) 2-INCH DIAMETER THROUGH-THE-WALL CONDUIT SLEEVES FOR COMMUNICATION TECHNOLOGY PATHWAYS. ROUTE THE CONDUITS FROM ACCESSIBLE CEILING CAVITY TO ACCESSIBLE CEILING CAVITY AT EACH ROOM. FOR THE REST HALLWAY/CORRIDOR, COORDINATE LOCATIONS WITH DIVISION 27 CONTRACTOR.

COMMUNICATIONS
STANDARDS

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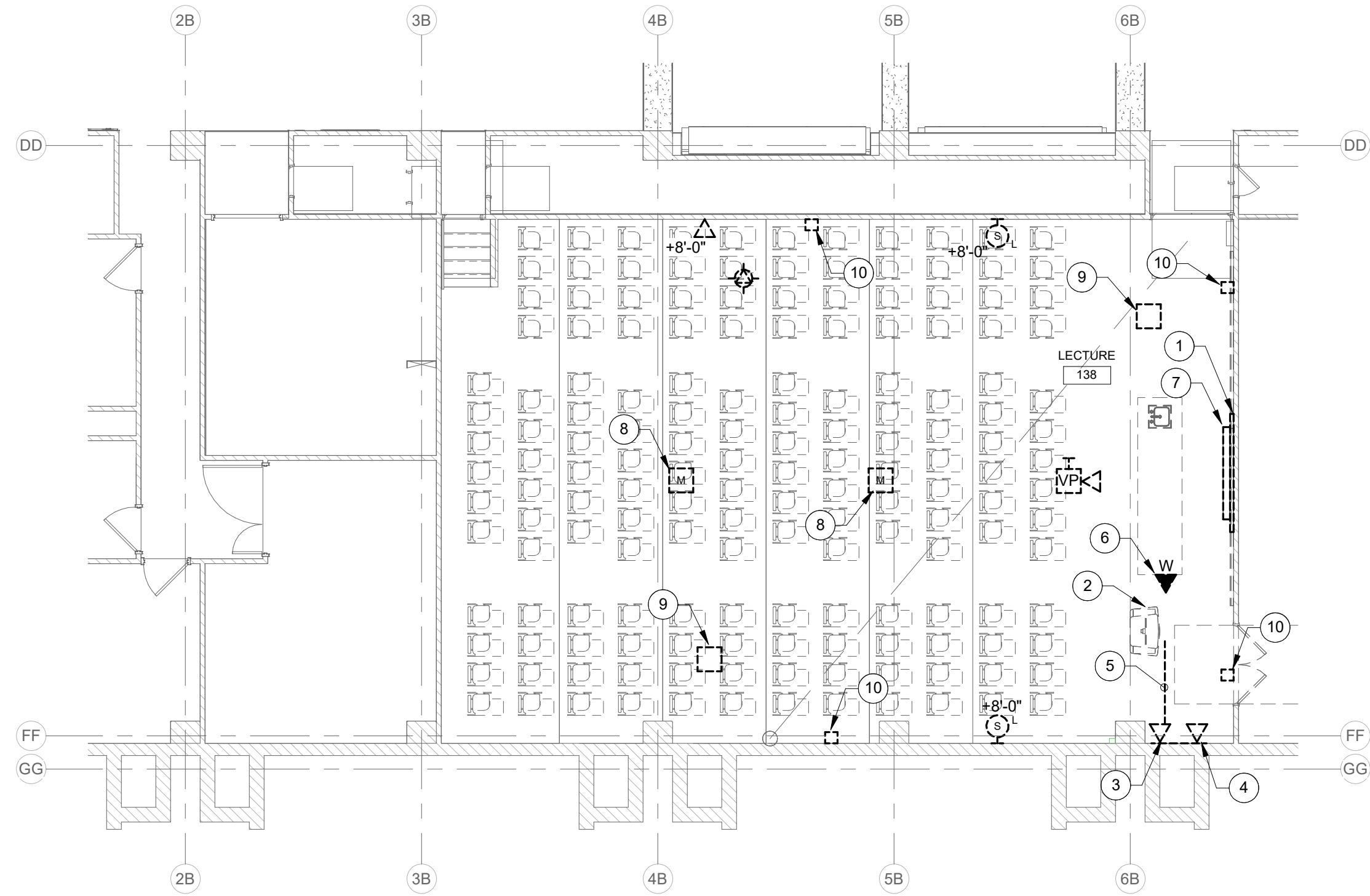
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Keyplan

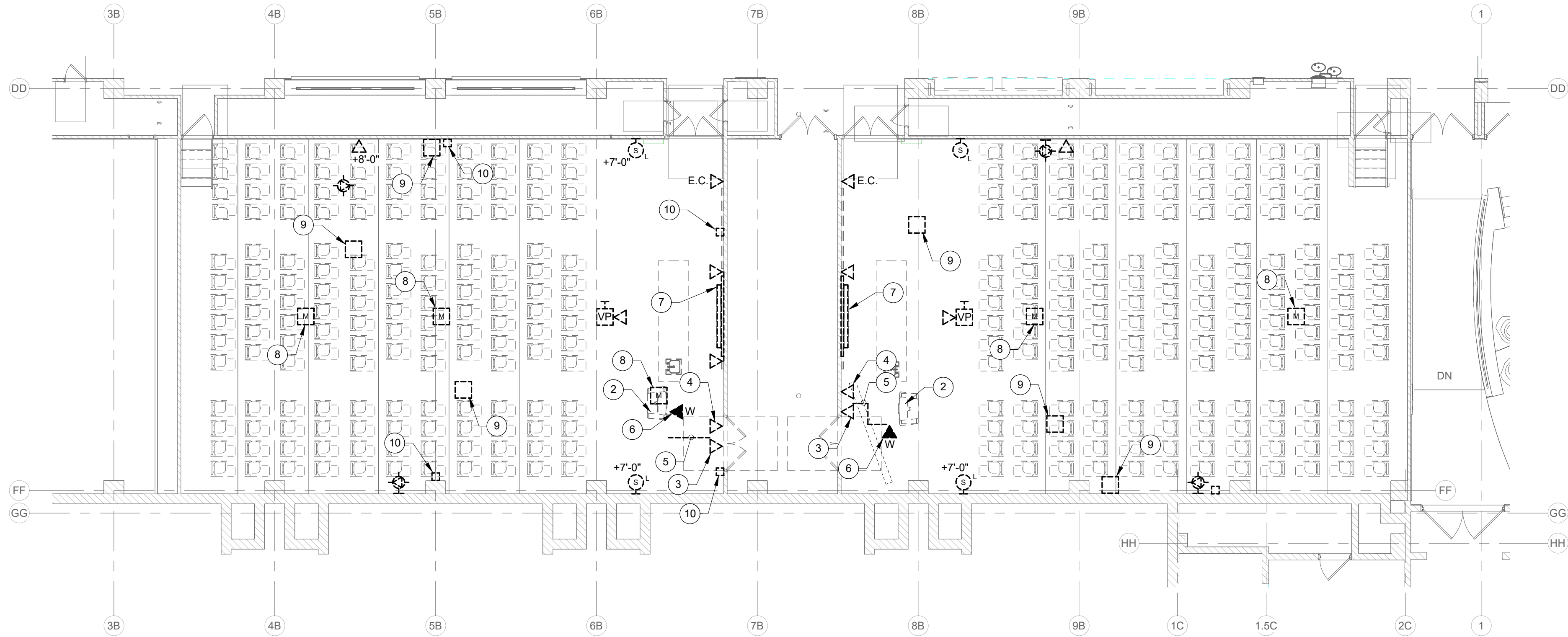
LEGEND

ISU-T-002

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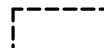


 **FIRST FLOOR PLAN - TELECOM DEMOLITION**
SCALE: 1/8" = 1'-0"



 **LOWER LEVEL PLAN - TELECOM DEMOLITION**
SCALE: 1/8" = 1'-0"

DEMOLITION LEGEND:

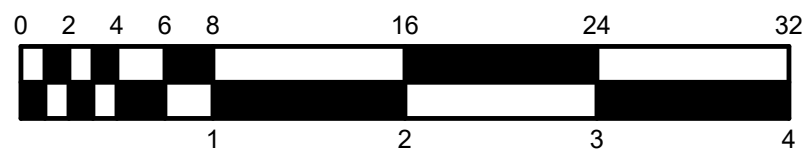
-  WORK TO BE REMOVED
 WORK TO REMAIN

GENERAL NOTES:

- SEE T001 FOR GENERAL NOTES.
- COMPLETELY DEMOLISH ALL EXISTING AUDIO / VIDEO SYSTEM COMPONENTS, WIRING, CONDUIT, RACEWAY, ETC. TURN OVER ELECTRONIC COMPONENTS TO OWNER.

PLAN NOTES:

- EXISTING WALL-MOUNTED ELECTRIC PROJECTION SCREEN.
- EXISTING PORTABLE PODIUM WITH SOUND SYSTEM EQUIPMENT.
- EXISTING 2-PORT DATA OUTLET IN SURFACE RACEWAY.
- EXISTING 5-PORT DATA OUTLET IN SURFACE RACEWAY.
- EXISTING DATA AND HDMI PATCH CORDS LAYING ON FLOOR.
- EXISTING TELEPHONE HANDSET FOR CLASSROOM SUPPORT.
- EXISTING WALL-MOUNTED MANUAL PROJECTOR SCREEN.
- EXISTING CEILING MOUNTED MICROPHONE. DEMOLISH COMPLETELY AND TURN OVER TO OWNER.
- ABANDON CEILING MOUNTED TV CONNECTION. DEMOLISH COMPLETE.
- EXISTING PERSONAL RESPONSE SYSTEM COMPONENT. COMPLETELY DEMOLISH INCLUDING ALL WIRING, CONDUIT, AND RACEWAY.



INDIANA STATE UNIVERSITY
**ISU SCIENCE BUILDING ROOMS 018, 022, AND 138
RENOVATION**
SCIENCE BUILDING, 600 CHESTNUT ST, TERRE HAUTE, IN 47809

100% BID DOCUMENTS

△ REVISIONS:

DATE:
07/29/2026
arcDESIGN PROJECT NUMBER:
26139
CLIENT PROJECT NUMBER:
B0028832
DRAWN BY:

DRAWING TITLE:

**LOWER LEVEL
AND FIRST
FLOOR PLAN -
TELECOM
DEMOLITION**

DRAWING NUMBER:

TD201

Science large classrooms:

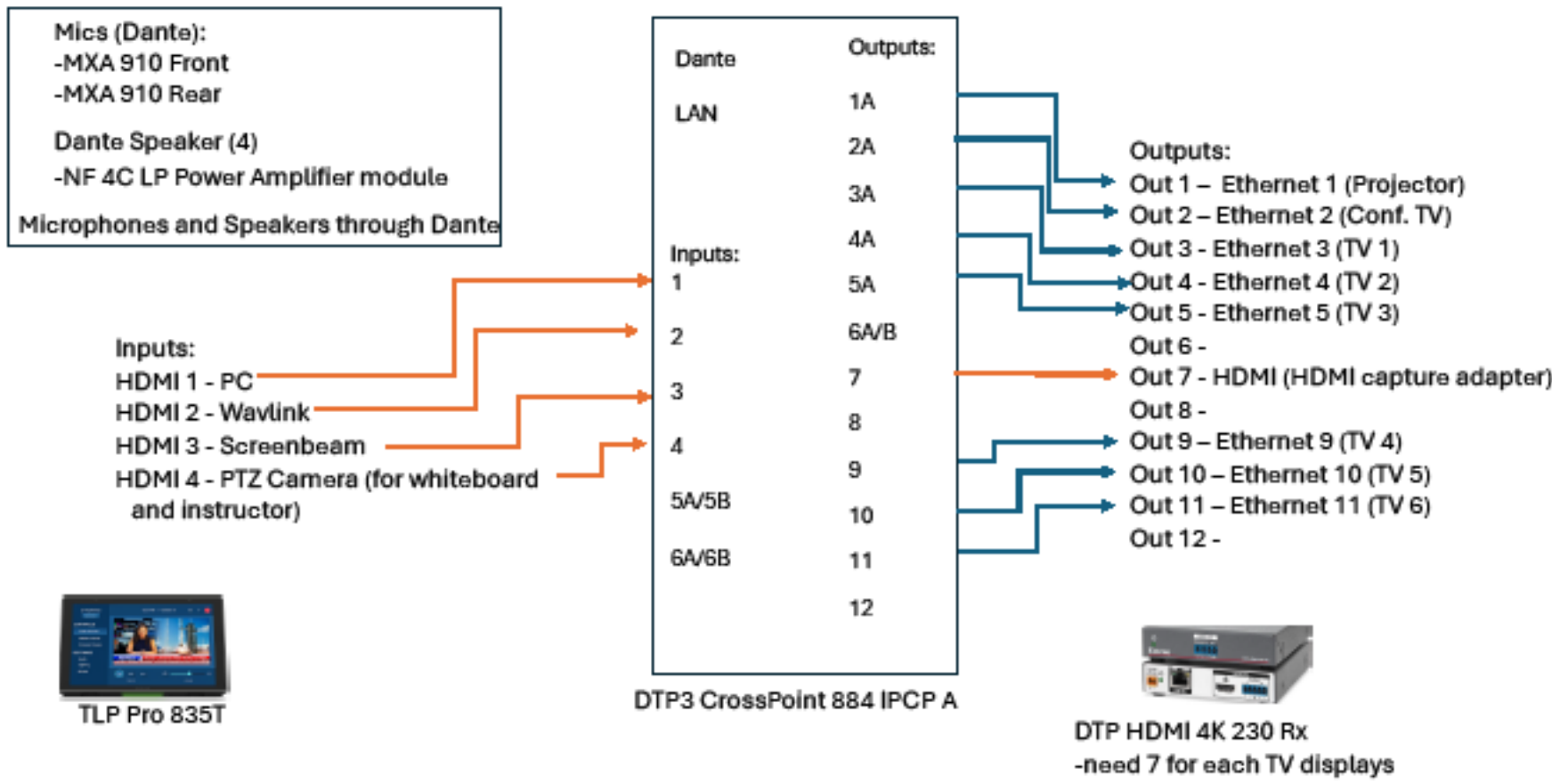


Diagram - 1

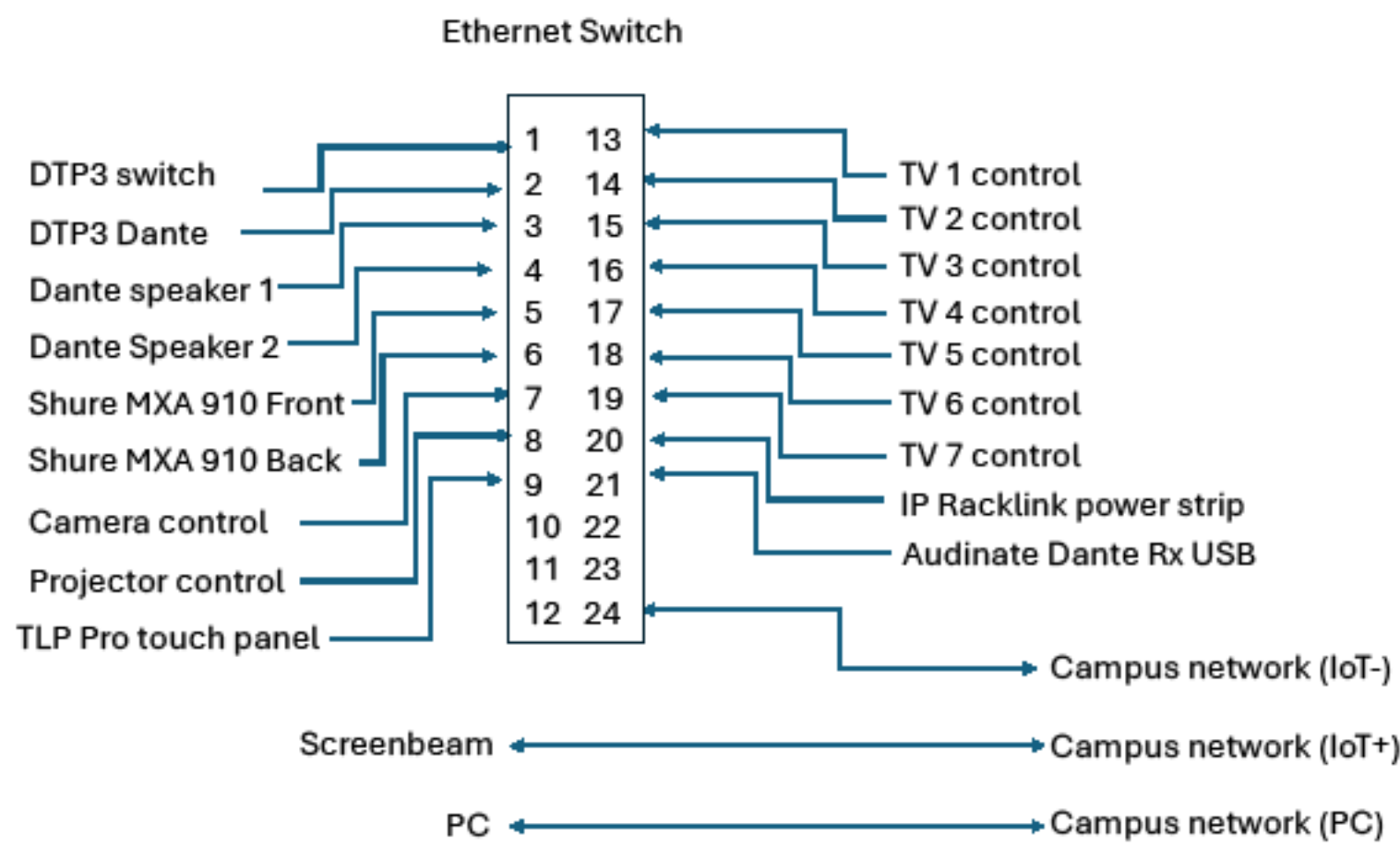


Diagram - 2

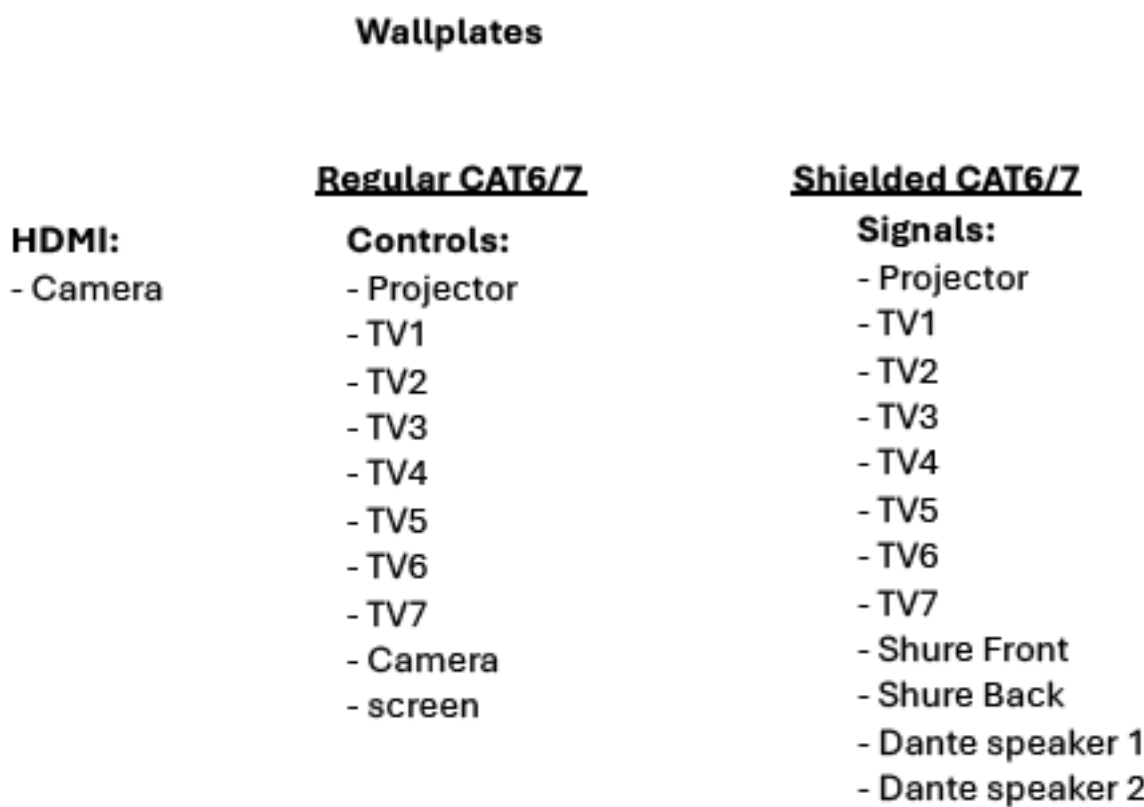


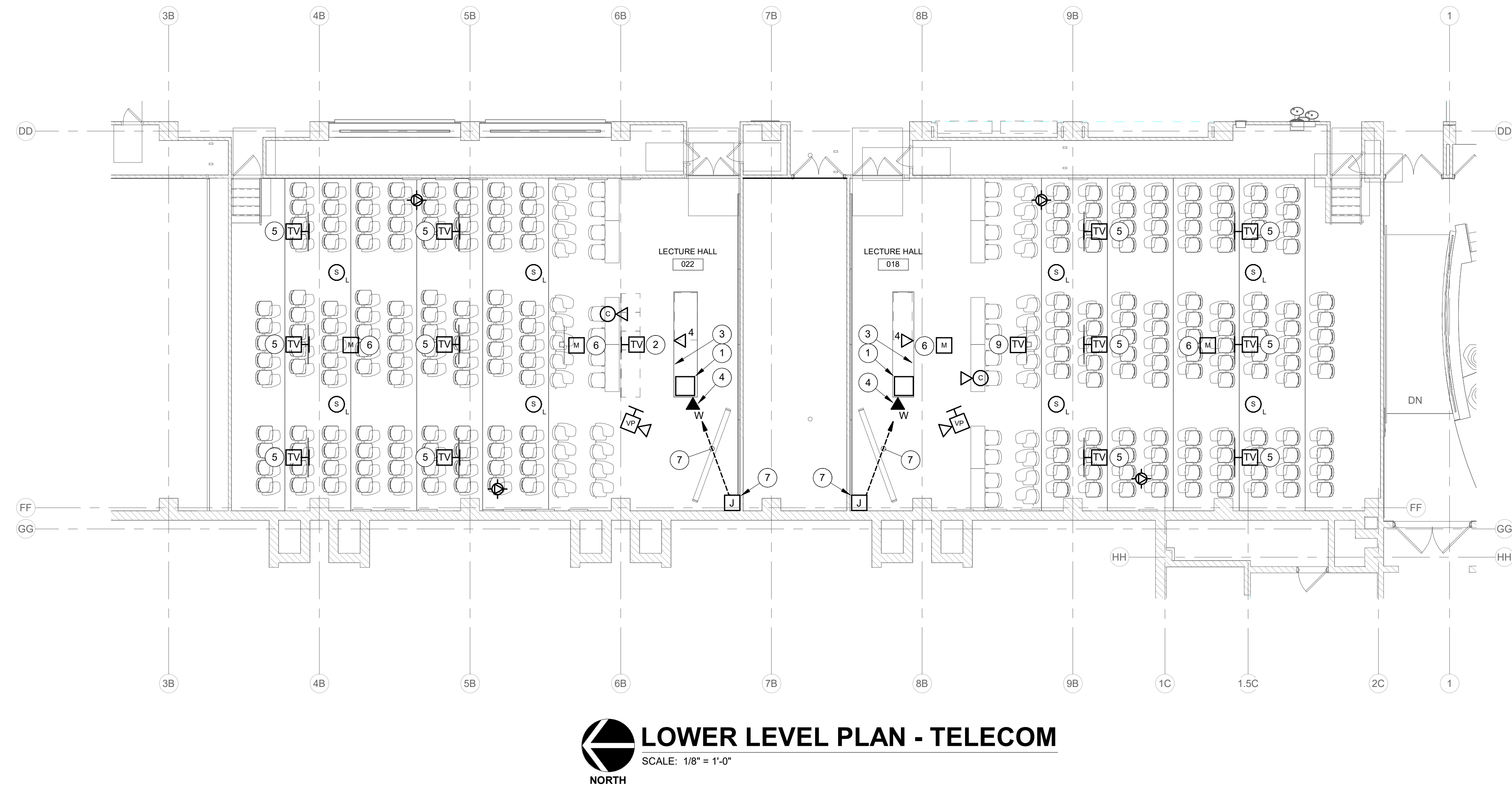
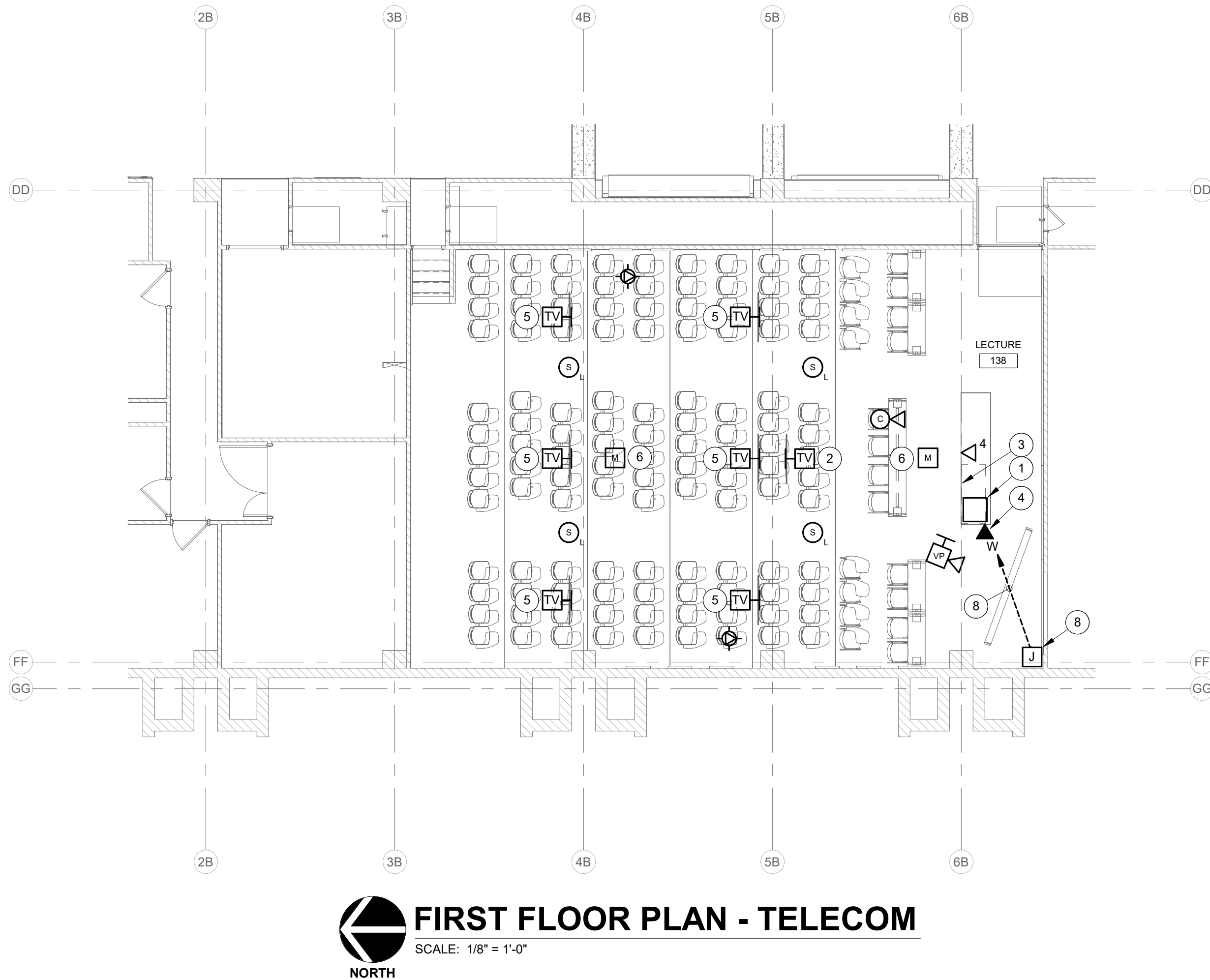
Diagram - 3

Equipment inside podium:

- PC
- TLP Pro
- DTP3 CrossPoint
- Ethernet switch (24 ports)
- Middle Atlantic Racklink 915R
- Screenbeam
- Wavlink Hub (connect to Aten USB switch, HDMI to DTP3)
- Aten USB switch (connect DTP3 COM2)
- Aver Cam Capture (HDMI from DTP3, connect to Aten or Wavlink)
- Audinate Dante Rx USB (connect to Aten or Wavlink)

Each TV (total of 7, 6 for student view and 1 for instructor view):
-55" TV
-Extron DTP HDMI Rx

Diagram - 4



RENOVATION LEGEND:

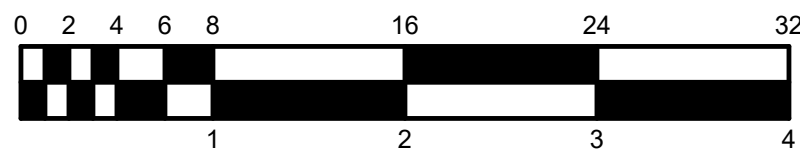
- WORK TO BE INSTALLED
- WORK TO REMAIN

GENERAL NOTES:

- SEE T001 FOR GENERAL NOTES.
- EQUIPMENT PLACEMENT IS APPROXIMATE. COORDINATE INSTALLATION WITH OWNER.

PLAN NOTES:

- CENTRAL AUDIO/VIDEO EQUIPMENT FOR INSTRUCTIONAL CLASSROOM SYSTEM. COORDINATE EQUIPMENT PLACEMENT WITH OWNER.
- CEILING-MOUNTED INSTRUCTOR CONFIDENCE MONITOR.
- WALL PLATES FOR AV CONNECTIVITY. AUDIO/VIDEO CABLING FOR CLASSROOM DEVICES TERMINATE HERE.
- HANDSET FOR INSTRUCTOR TECH SUPPORT.
- WALL-MOUNTED STUDENT VIEWING MONITOR.
- CEILING-MOUNTED MICROPHONE.
- PROVIDE 12" X 12" JUNCTION BOX AT CEILING WITH 4" CONDUIT VERTICALLY DOWN TO 2ND JUNCTION BOX AT 12" A.F.F. PROVIDE TWO (2) 2" CONDUIT FROM BOTTOM OF LOWER JUNCTION BOX TO CONCRETE FLOOR TO CASEWORK FOR AUDIO / VIDEO CABLING. ALL CONDUITS FROM AUDIO / VIDEO DEVICES TERMINATE IN CEILING MOUNTED JUNCTION BOX.
- PROVIDE 12" X 12" JUNCTION BOX AT CEILING WITH 4" CONDUIT VERTICALLY DOWN TO 2ND JUNCTION BOX AT 12" A.F.F. PROVIDE TWO (2) 2" CONDUIT FROM BOTTOM OF LOWER JUNCTION BOX TO LOWER LEVEL CEILING SPACE TO CASEWORK FOR AUDIO / VIDEO CABLING. PROVIDE JUNCTION BOX BELOW CASEWORK. ALL CONDUITS FROM AUDIO/VIDEO DEVICES TERMINATE IN CEILING MOUNTED JUNCTION BOX.
- PROVIDE CEILING-MOUNTED POLE SUPPORT FOR INSTRUCTOR CONFIDENCE MONITOR.





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PROJECT DATE: June 2011
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TERMINATION AND IDENTIFICATION DETAILS

ISU-T-511

UTILIZE THE CABLE DESTINATION CHART
(SAMPLE SHOWN) AS WELL AS THE
BACKBONE DIAGRAM FOR INFORMATION
ABOUT CABLES, QUANTITIES AND
DESTINATIONS

C FIBER OPTIC BACKBONE TERMINATION AND LABELING

Scale = NONE

B HORIZONTAL 4 PAIR COPPER PIN-OUTS

Scale = NONE

CABLE AND TERMINATION SUMMARY (THIS PROJECT)

NOTE 1: UNLESS OTHERWISE SPECIFICALLY NOTED, ALL CABLES USED ABOVE CEILING LINE SHALL HAVE A PLENUM RATING.

A CABLE AND TERMINATION SUMMARY

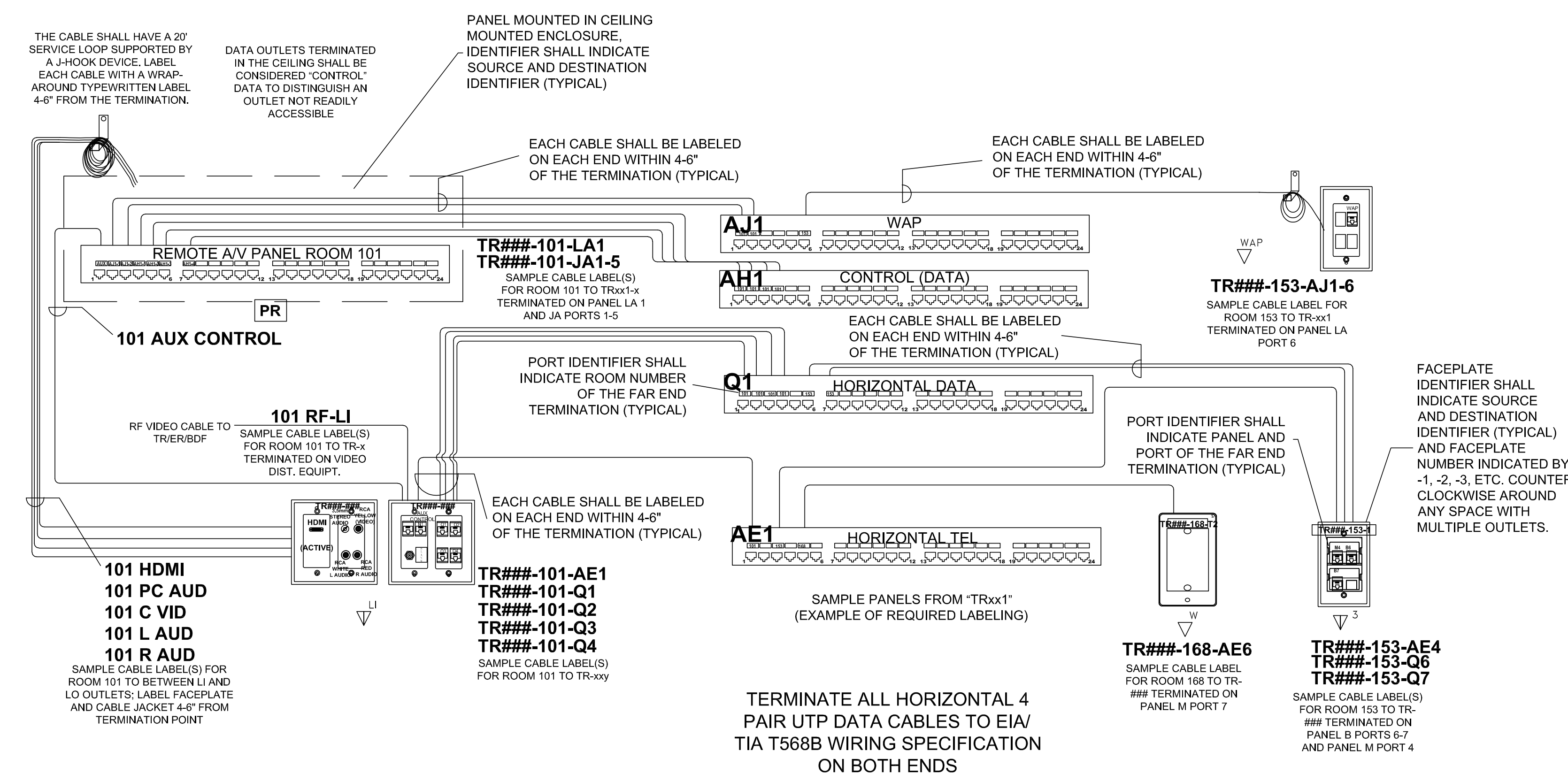
Scale = NONE

LABELING NOTES: (THIS PROJECT

- A. EACH TELECOMMUNICATIONS ROOM SHALL HAVE A UNIQUE IDENTIFIER CONSISTING OF 1) ROOM TYPE, 2) UNIQUE 2 LETTER BUILDING CODE, AND 3) FLOOR LOCATION. EXAMPLE: ER-GH-1 FOR THE MAIN EQUIPMENT ROOM ON THE FIRST FLOOR OF GILLUM HALL. OR, TR-UH-304 FOR A TELECOMMUNICATIONS ROOM IN UNIVERSITY HALL ON THE THIRD FLOOR IN ROOM 304. (ROOM NUMBER USED WHEN MULTIPLE ROOMS ARE REQUIRED ON A FLOOR.)
- B. ALL CABLES SHALL HAVE A LABEL AFFIXED TO THE JACKET AT EACH END AND 4 TO 6" FROM THE TERMINATION POINT. THIS LABEL SHALL IDENTIFY THE SOURCE, DESTINATION, AND PORT IDENTIFIER. EXAMPLE: TR#HH-101-B6 OR 101-S10D.
- C. THESE DETAILS SHALL BE USED TO SHOW EXACT PROJECT REQUIREMENTS FOR RACK/CABINET LAYOUTS, FACEPLATE CONFIGURATION, EXACT CABLE TYPES, CABLE DESTINATIONS OR CABLE QUANTITIES. THESE DETAILS DO GRAPHICALLY INDICATE PROJECT REQUIREMENTS FOR LABELING COLOR-CODING, AND TERMINATIONS FOR THIS PROJECT. USE THESE DETAILS AS A GUIDE; SUBMIT ALL QUESTIONS TO THE PROJECT ARCHITECT FOR THE CTEC/CTC/CTD.
- D. SEPARATE PATCH PANELS ARE UTILIZED FOR HORIZONTAL DATA, WIRELESS ACCESS POINTS, AND CONTROL. LABEL PANELS AS TO USE AND WITH UNIQUE IDENTIFIER AS SHOWN IN THE DIAGRAM. COORDINATE "FINAL" ROOM NUMBERS OR IDENTIFIERS WITH OWNER PRIOR TO PERFORMING WORK. ALL LABELING SHALL CONFORM TO OPERATIONAL ROOM IDENTIFIERS FOR BUILDING USE.
- E. ALL CABLES SHALL BE IDENTIFIED IN ALPHABETICAL ORDER ON EACH PATCH PANEL.
- F. LABEL ALL FACEPLATES WITH AN OUTLET IDENTIFIER AND LABEL EACH PORT; FOLLOW THE EXAMPLES IN THE DIAGRAM AS A GUIDE.
- G. LABEL CROSS-CONNECT FIELDS, BACKBOARDS, RACKS/CABINETS PANELS, FACEPLATES, CABLES ETC. UTILIZING THE EXAMPLES IN THE DIAGRAM AS A GUIDE.
- H. FIBER OPTIC PANELS SHALL BE IDENTIFIED WITH SOURCE, DESTINATION, STRAND IDENTIFIER AS WELL AS WITH THE CORE DIAMETERS.
- J. ALL CABLES USED FOR DATA SHALL BE TERMINATED ON "HORIZONTAL DATA" PATCH PANELS IN THE ER/TR. ALL CABLES USED FOR VOICE SHALL BE TERMINATED ON 66 STYLE BLOCKS ON A BACKBOARD IN THE ER/TR USED FOR VOICE. ALL CABLES USED FOR DATA (RETURNING TO THE ER/TR) SHALL BE TERMINATED ON "CONTROL" PATCH PANELS IN THE ER/TR. ALL WIRELESS ACCESS POINT CABLES WILL BE TERMINATED ON A "WAP" PANEL IN THE ER/TR.
- K. SOLID TRIANGLES DENOTE VOICE (TELEPHONE) REQUIREMENTS. HOLLOW TRIANGLES DENOTE DATA REQUIREMENTS. HALF SOLID TRIANGLES DENOTE VOICE AND DATA REQUIREMENTS; UNLESS OTHERWISE NOTED (*). EACH HALF SOLID TRIANGLE WILL RECEIVE ONE VOICE JACK AND THE REMAINDER WILL BE DATA.
- (*) NOTATIONS WILL BE SUBSCRIPTS TO THE SYMBOL; x/y WHERE x IS THE QUANTITY OF VOICE CABLES AND y WHERE x IS THE QUANTITY OF DATA CABLES.
- L. SEE CABLE AND TERMINATION SUMMARY CHART FOR COLOR CODING OF JACKS AND CABLES ON THIS PROJECT.
- M. CABLES SHALL BE GROUPED TOGETHER ON PATCH PANELS BY WORK AREA SPACE.

E COPPER BACKBONE TERMINATION AND LABELING

Scale = NONE



(D) HORIZONTAL AND LOCAL INPUT TERMINATION AND LABELING

Scale = NONE

Keyplan



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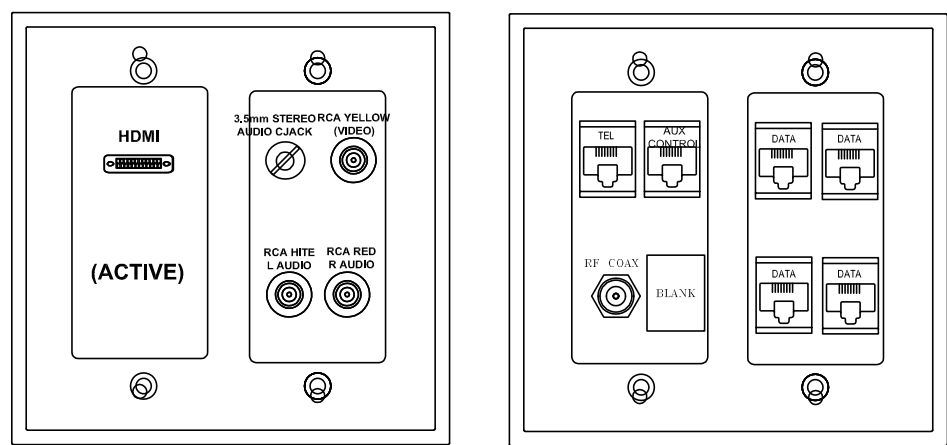
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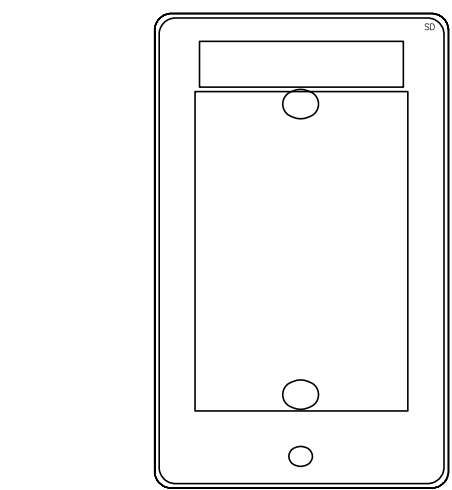
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STATION OUTLET DETAILS

ISU-T-513

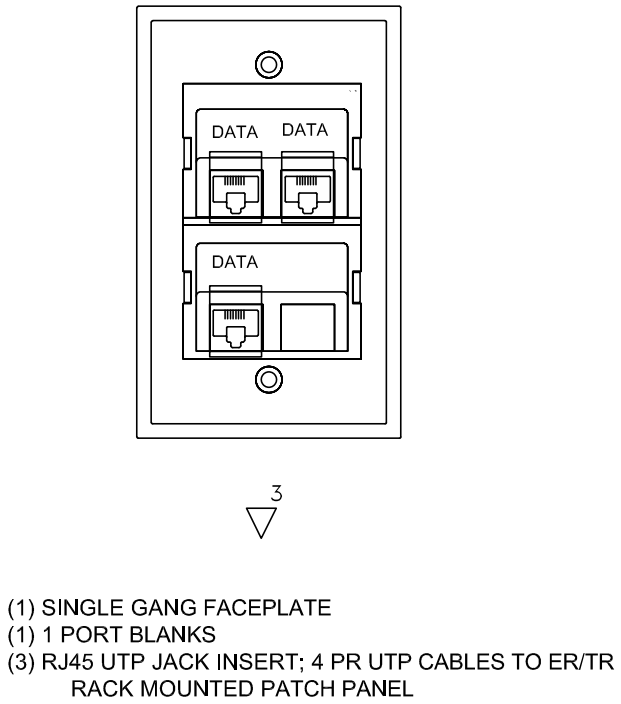


-
- (1) SINGLE GANG FACEPLATE
- (4) RJ45 UTP RJ-45 PATCH PANEL (4 RJ45 UTP RJ-45 PATCH PANEL)



-
- A diagram of a double switch plate, which is a rectangular plate with two toggle switches. Each switch has a vertical rocker and a horizontal lever. The plate has two screws at the top and two at the bottom.

- (1) SINGLE GANG FACEPLATE
(4) 1 PORT BLANKS



WORKSTATION OUTLET (FACEPLATE) NOTES: (THIS DETAIL

- A. OUTLET REQUIREMENTS WHERE POWER/COMMUNICATIONS MULTI-COMPARTMENT SURFACE RACEWAY IS REQUIRED SHALL SUBSTITUTE 2 4 PORT JACK FRAMES AND STANDARD "ELECTRICAL OUTLET OR POWER RECEPTACLE" TYPE AS LISTED IN THE DOUBLE AND TRIPLE ROWING ON THIS SHEET. ADDITIONAL FACEPLATES SHALL BE CUT-IN ADJACENT TO FULFILL THE OUTLET PORT REQUIREMENT. OUTLET LOCATIONS REQUIRING 4 OR FEWER PORTS SHALL UTILIZE A SINGLE 4 PORT JACK FRAME AND FACEPLATE.
- B. ALL CABLES USED FOR DATA SHALL BE TERMINATED ON "HORIZONTAL DATA" PATCH PANELS IN THE ENTR. ALL CABLES USED FOR VOICE SHALL BE TERMINATED ON "66 STYLE" BLOCKS ON A CROSS-CONNECT BACKBOARD IN THE ENTR. ALL WIRELESS ACCESS POINT CABLES WILL BE TERMINATED ON A "WAVE" PANEL IN THE ENTR. ALL CABLES USED FOR VIDEO PROJECTORS SHALL BE TERMINATED ON A "VIDEO SIGNAL DATA" PATCH PANEL IN THE ENTR.
- C. SOLID TRIANGLES DENOTE VOICE (TELEPHONE) REQUIREMENTS. HOLLOW TRIANGLES DENOTE DATA REQUIREMENTS. HALF SOLID TRIANGLES DENOTE VOICE AND DATA REQUIREMENTS; UNLESS OTHERWISE NOTED "1/2" HALF SOLID TRIANGLE WILL RECEIVE ONE VOICE JACK AND THE REMAINDER WILL BE DATA.
- D. *NOTATIONS WILL BE SUBSCRIPTS TO THE SYMBOL: x/y WHERE x IS THE QUANTITY OF VOICE CABLES AND x/y WHERE x IS THE QUANTITY OF DATA CABLES.
- E. JACK COLOR-CODING WILL BE AS LISTED IN CABLE AND TERMINATION CHART ON LABELING AND TERMINATION DETAIL SHEET.
- F. CABLE COLOR-CODING WILL BE AS LISTED IN CABLE AND TERMINATION CHART ON LABELING AND TERMINATION DETAIL SHEET.

