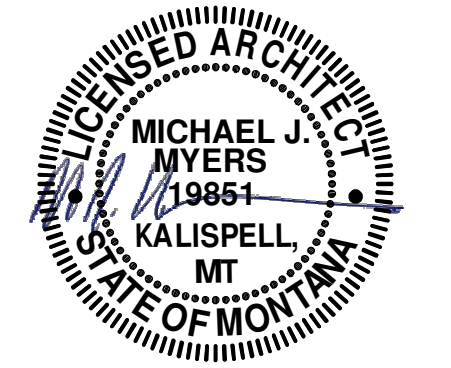


HERRICK HALL MONTANA STATE UNIVERSITY

1040 SOUTH 7TH AVENUE, BOZEMAN, MT 59715

ROOM #117
PPA#: 23-0828

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BUILDING REQUIREMENTS FROM THE INTERNATIONAL EXISTING BUILDING CODE 2021

ALTERATION - LEVEL 1: ALTERATIONS INCLUDE THE REMOVAL AND REPLACEMENT OR THE COVERING OF EXISTING MATERIALS, ELEMENTS, EQUIPMENT OR FIXTURES USING NEW MATERIALS, ELEMENTS, OR EQUIPMENT OR FIXTURES THAT SERVE THE SAME PURPOSE.

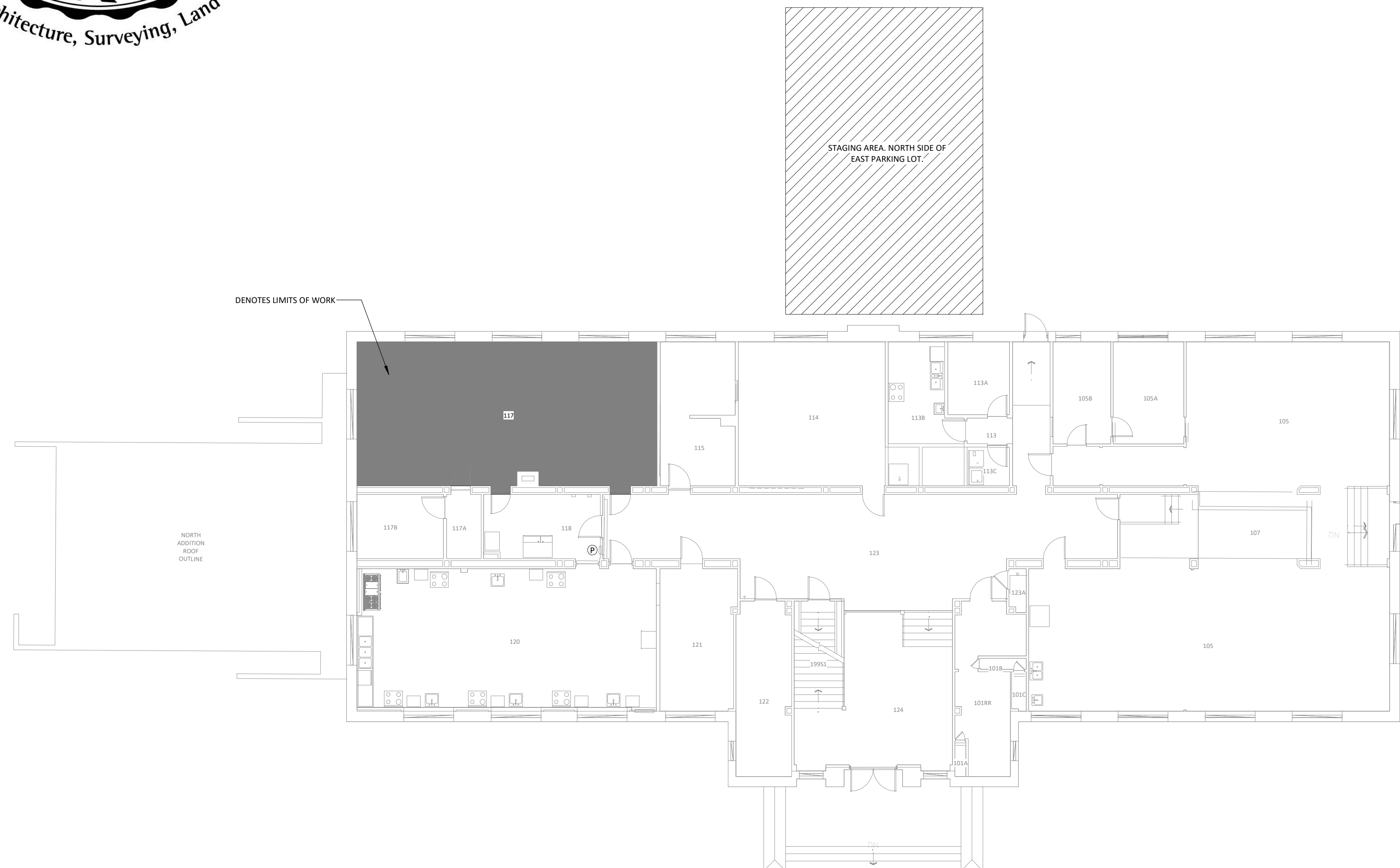
COMPLIANCE METHOD:

PRESCRIPTIVE - CHAPTER 5
ALTERATIONS: EXCEPT AS PROVIDED BY SECTION 302.4, 302.5 OR THIS SECTION, ALTERATIONS TO ANY BUILDING OR STRUCTURE SHALL COMPLY WITH THE REQUIREMENTS OF THE IBC FOR NEW CONSTRUCTION. ALTERATIONS SHALL BE SUCH THAT THE EXISTING BUILDING OR STRUCTURE IS NOT LESS COMPLYING WITH THE PROVISIONS OF THE IBC THAN THE EXISTING BUILDING OR STRUCTURE WAS PRIOR TO THE ALTERATION.

NO CHANGE IS BEING MADE TO OCCUPANCY SIZE OR TYPE.

NO CHANGE TO EXIT DISTANCE OR PATH.

Ⓧ LOCATION OF EXISTING ELECTRICAL PANEL.



GENERAL CONDITIONS

- THE GENERAL CONTRACTOR IS TO GUARANTEE ALL WORK INCLUDING WORK DONE BY SUBCONTRACTORS FOR A PERIOD OF ONE (1) YEAR COMMENCING WITH THE FINAL ACCEPTANCE AND FULL COMPLETION OF THE PROJECT.
- ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH ALL GOVERNING CODES, ORDINANCES AND AUTHORITIES HAVING JURISDICTION. GENERAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL REQUIRED BUILDING PERMITS.
- THE GENERAL CONTRACTOR IS TO HAVE A FULL TIME QUALIFIED SUPERVISOR ON THE SITE AT ALL TIMES WHILE WORK IS BEING PERFORMED.
- ALL MATERIAL SPECIFIED IS TO BE NEW & INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS. GENERAL CONTRACTOR IS TO CONSTRUCT PROJECT IN ACCORDANCE WITH THE DOCUMENTS. ANY DEVIATION FROM THE INTENT OF THE DOCUMENTS, WITHOUT ARCHITECT OR ENGINEER'S APPROVAL, ARE AT THE CONTRACTOR'S OWN RISK AND MAY RESULT IN THE WORK BEING DONE OVER AT CONTRACTOR'S EXPENSE (MATERIALS AND LABOR).

GENERAL NOTES

- CONTRACTOR TO REVIEW AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK. ANY CONDITIONS NOT INDICATED ON CONTRACT DOCUMENTS ARE TO BE REPORTED TO THE ARCHITECT PRIOR TO BEGINNING WORK.
- CONTRACTOR TO CONTACT LOCAL UTILITIES, IF NECESSARY, SUBMIT ALL APPLICABLE PERMIT DOCUMENTS, QUALIFICATIONS, ETC., AND BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH PERMITS, UTILITY EXTENSIONS, TAP-INS, ETC.
- THE CONTRACTOR SHALL REMOVE ALL DEBRIS AS A RESULT OF THIS PROJECT. THE CONTRACTOR WILL REMOVE EXISTING EQUIPMENT, FIXTURES, ETC. IN THE SPACE PRIOR TO CONSTRUCTION AND RELOCATE PER OWNER.
- THE CONTRACTOR SHALL SCHEDULE HIS WORK AND MATERIAL AND EQUIPMENT DELIVERIES SO AS NOT TO INTERFERE WITH THE DAILY OPERATIONS OF THE REMAINDER OF THE FACILITY.
- THE CONTRACTOR SHALL PROTECT EXISTING FACILITIES, EQUIPMENT, FIXTURES, ETC. FROM DAMAGE DURING THE COURSE OF CONSTRUCTION.

- ALL SURFACES AND/OR FINISHES DAMAGED AS A RESULT OF AND ADJACENT TO THE WORK SHALL BE REPAIRED AND FINISHED TO THEIR ORIGINAL CONDITION.
- USE DETAILS MARKED 'TYPICAL' (TYP) WHEREVER APPLICABLE.
- ALL ITEMS REQUIRED BY THE DRAWINGS AND SPECIFICATIONS SHALL BE PERFORMED IN A WORKMANLIKE MANNER BY PERSONS SKILLED IN THEIR RESPECTIVE TRADE AND WHO NORMALLY PARTICIPATE IN THE WORK OF THAT TRADE.
- WORDS WHICH HAVE WELL KNOWN TECHNICAL OR TRADEMEANINGS ARE USED IN THE DRAWINGS AND SPECIFICATIONS IN ACCORDANCE WITH SUCH RECOGNIZED MEANINGS.
- WITHIN THE DRAWINGS AND RELATED SPECIFICATIONS THERE SHALL BE THE FOLLOWING PRECEDENCE:
 - ADDENDA OR MODIFICATIONS TO THE DRAWINGS AND SPECIFICATIONS TAKE PRECEDENCE OVER THE ORIGINAL, WHEN ISSUED BY THE ARCHITECT.

- SPECIFICATIONS SHALL TAKE PRECEDENCE OVER DRAWINGS.
 - WITHIN THE DRAWINGS THE LARGER SCALE TAKES PRECEDENCE OVER THE SMALLER, FIGURED DIMENSIONS OVER SCALED AND NOTED MATERIALS OVER GRAPHIC INDICATIONS.
- THE ARCHITECT OR ENGINEER SHALL BE IN THE FIRST INSTANCE THE SOLE INTERPRETER OF THE DRAWINGS AND SPECIFICATIONS WITH REGARD TO THEIR MEANING OR INTENT.
 - CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES AND PROCEDURES.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY DURING BUILDING CONSTRUCTION.

- SUBMITTALS AND SAMPLES REQUIRED ON ALL FINISH MATERIALS AND COLORS, AND SHALL BE REVIEWED BY OWNER'S REPRESENTATIVE FOR FINAL APPROVAL PRIOR TO ORDERING. SAMPLES SHALL BE FULL SIZE WITH PAINTS/STAINS APPLIED TO ACTUAL SUBSTRATES. ALL MATERIALS SHALL BE VIEWED ON SITE AT SAME TIME IN SPACES USED, ONE MEETING FOR EXTERIOR FINISHES AND ONE MEETING FOR INTERIOR FINISHES.

PROJECT INFORMATION:

OWNER / DEVELOPER

STATE OF MONTANA - MONTANA STATE UNIVERSITY
UNIVERSITY FACILITIES MANAGEMENT,
MANAGED BY: PLANNING, DESIGN, & CONSTRUCTION
PLEW BUILDING 6TH & GRANT
PO BOX 172760
BOZEMAN, MT 59717-2760
ATTN: JENNISSE WATERS
EMAIL: JENNISSE.WATERS@MONTANA.EDU
TEL: (406) 994-5970

DESIGN PROFESSIONALS

JACKOLA ENGINEERING & ARCHITECTURE, P.C.
2250 HWY 93 SOUTH
PO BOX 1134
KALISPELL, MT 59903
TEL: (406) 755-3208
ARCHITECT: MIKE J MYERS, AIA
ELECTRICAL ENGINEER: JON RUONAVARA, PE

BUILDING DEPARTMENT

CITY OF BOZEMAN
20 E. OLIVE ST. 1ST FLOOR
PO BOX 1230
BOZEMAN, MT 59711
EMAIL: PLANNINGTECH@BOZEMAN.NET
TEL: (406) 582-2260

DRAWN: KCE CHECKED: MJM

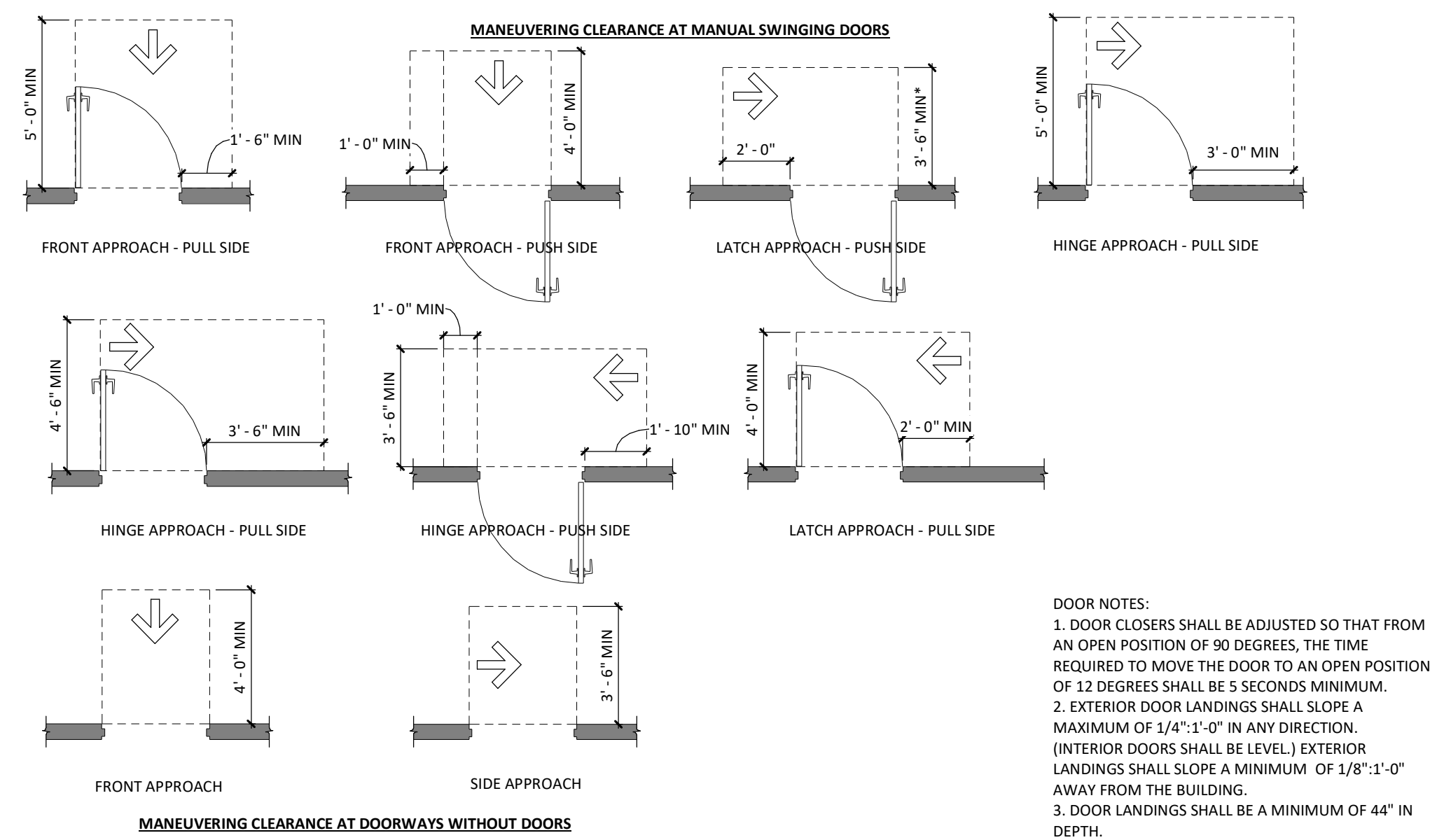
DATE: 11/19/2024

REVISIONS:

TITLE SHEET

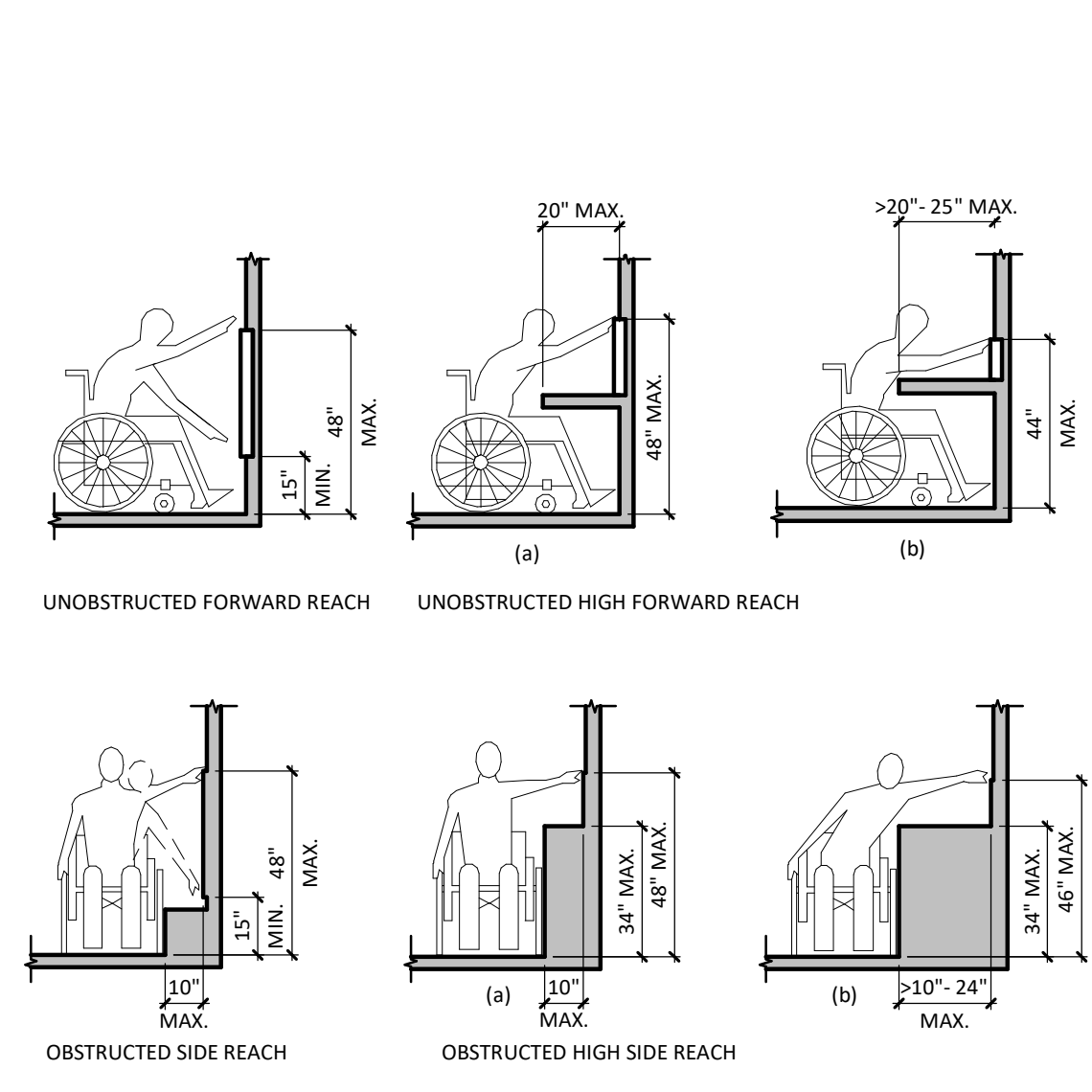
G-001

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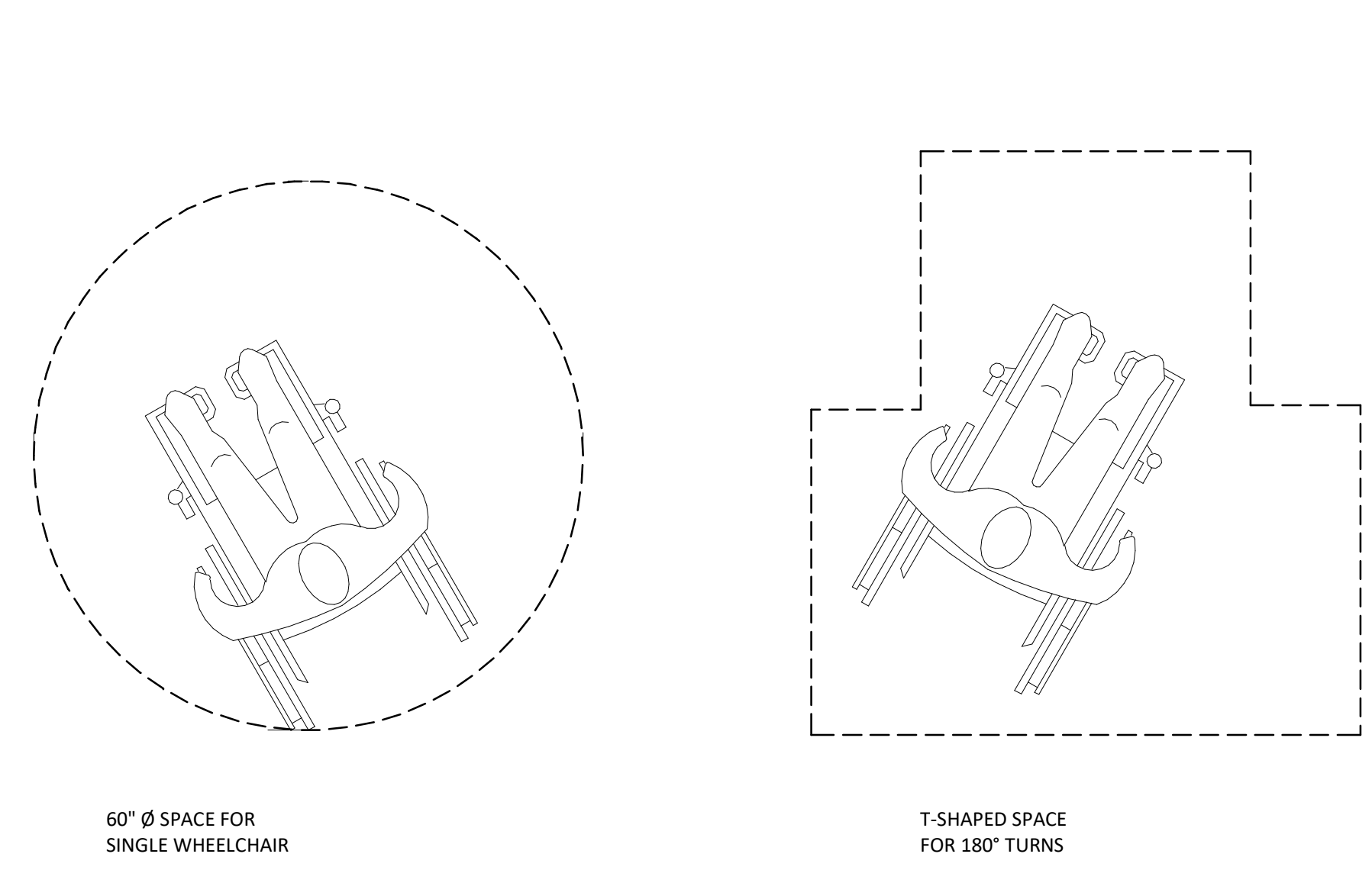


DOOR NOTES:
 1. DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES SHALL BE 5 SECONDS MINIMUM.
 2. EXTERIOR DOOR LANDINGS SHALL SLOPE A MAXIMUM OF 1/4":1'-0" IN ANY DIRECTION. (INTERIOR DOORS SHALL BE LEVEL.) EXTERIOR LANDINGS SHALL SLOPE A MINIMUM OF 1/8":1'-0" AWAY FROM THE BUILDING.
 3. DOOR LANDINGS SHALL BE A MINIMUM OF 44" IN DEPTH.

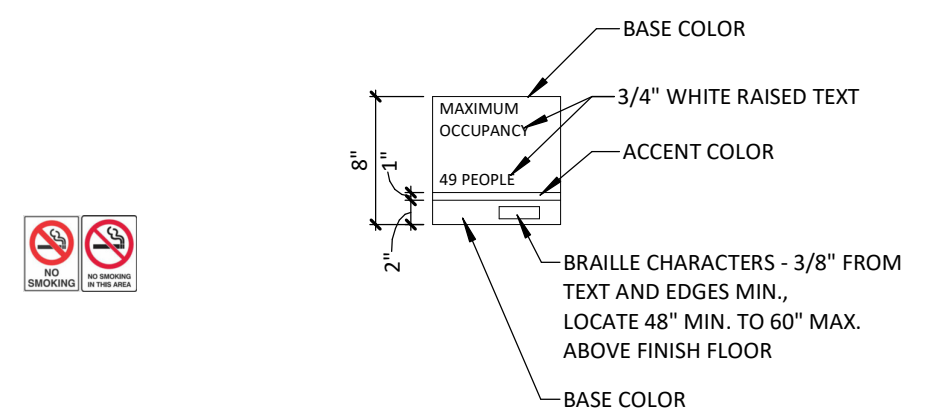
1 DOOR CLEARANCE AND LANDING REQUIREMENTS
 1/4" = 1'-0"



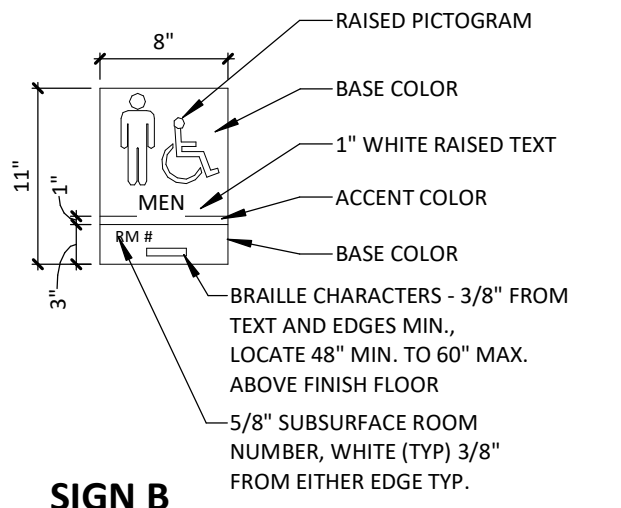
2 ADA REACH RANGES
 1/4" = 1'-0"



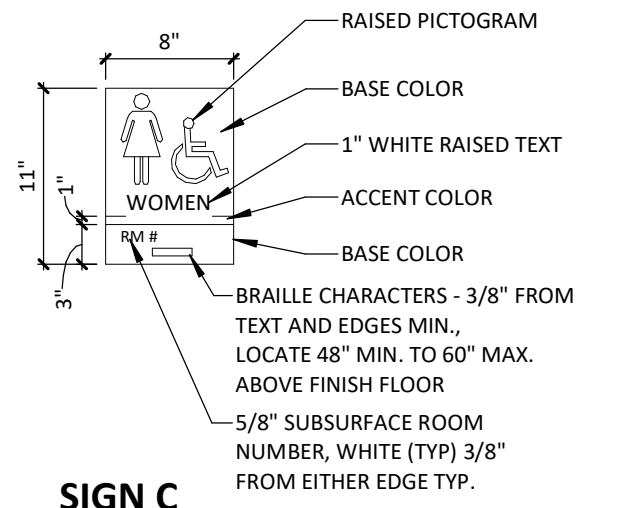
3 WHEELCHAIR TURNING REQUIREMENTS
 NTS



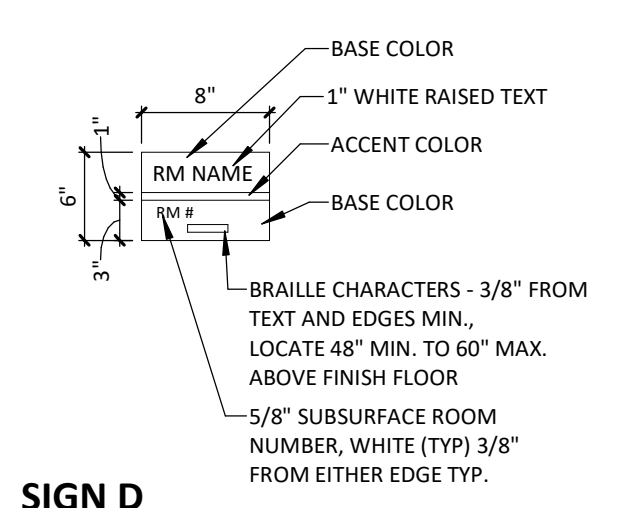
SIGN A
 BASE AND ACCENT COLORS TO BE SELECTED FROM MANUFACTURERS STANDARD RANGE



SIGN B
 BASE AND ACCENT COLORS TO BE SELECTED FROM MANUFACTURERS STANDARD RANGE

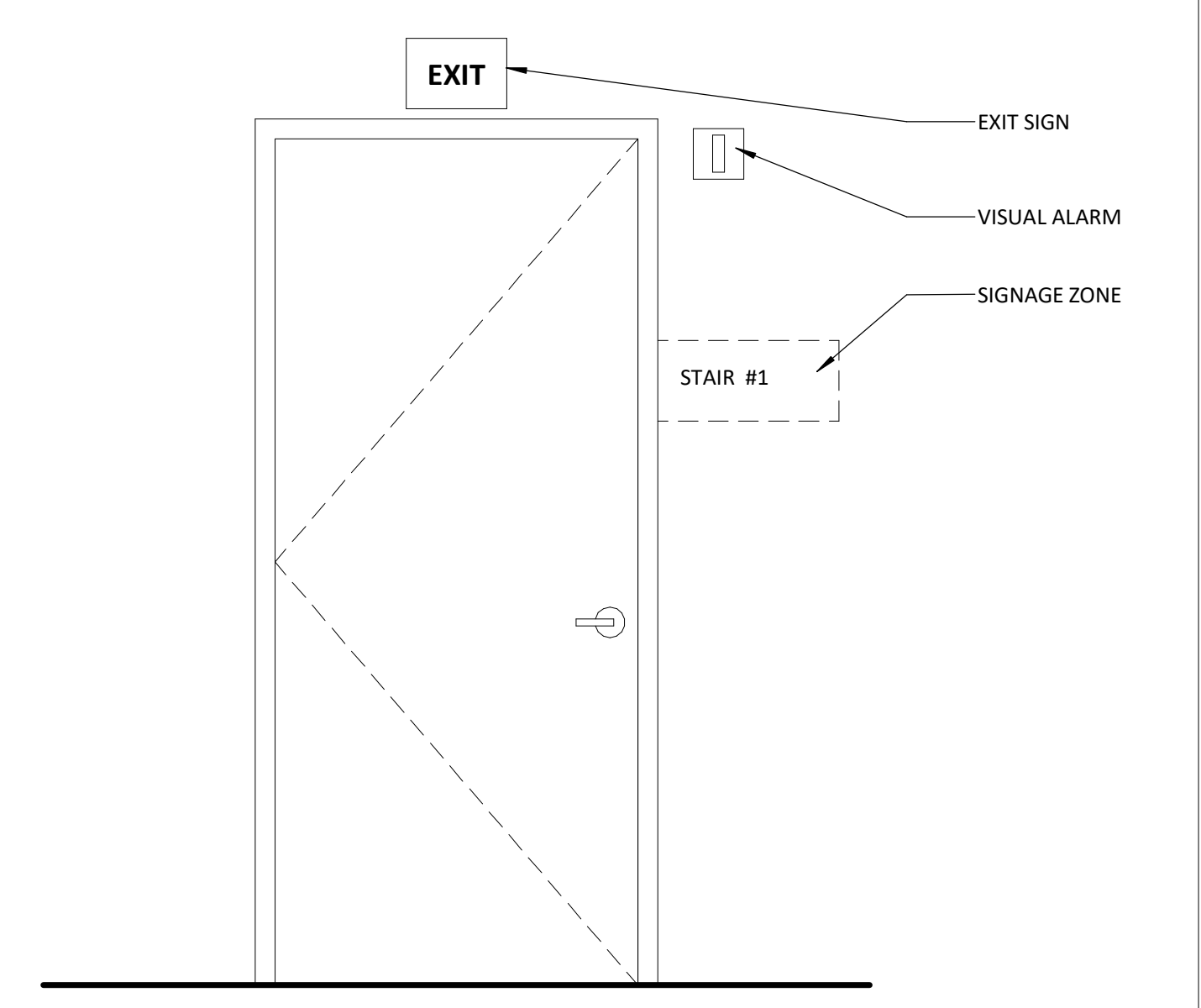


SIGN C
 BASE AND ACCENT COLORS TO BE SELECTED FROM MANUFACTURERS STANDARD RANGE

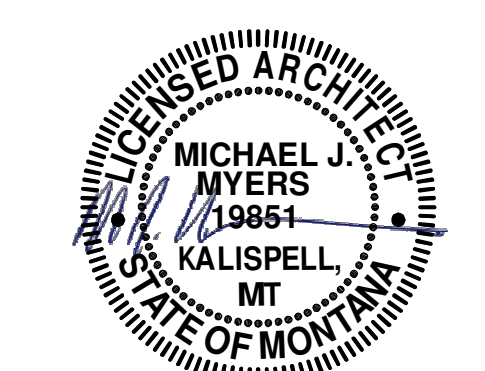
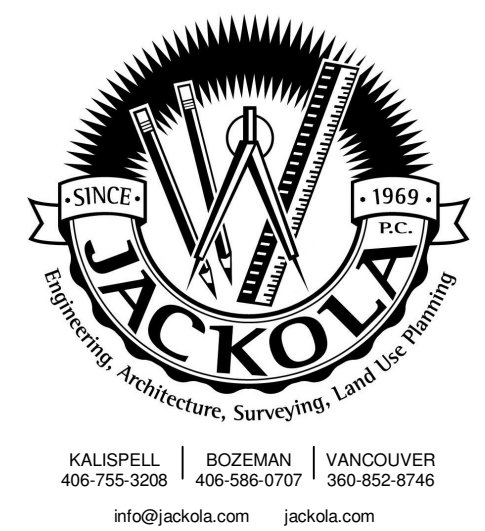


SIGN D
 BASE AND ACCENT COLORS TO BE SELECTED FROM MANUFACTURERS STANDARD RANGE

4 ACCESSIBLE SIGNAGE
 1" = 1'-0"



5 TYP. MOUNTING HTS. @ EXIT DOOR
 3/4" = 1'-0"



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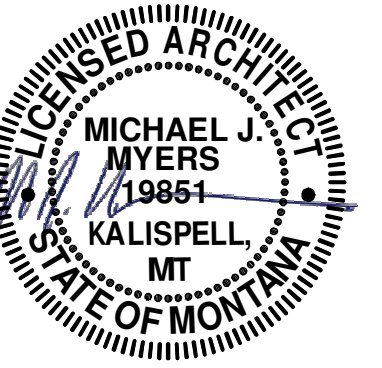
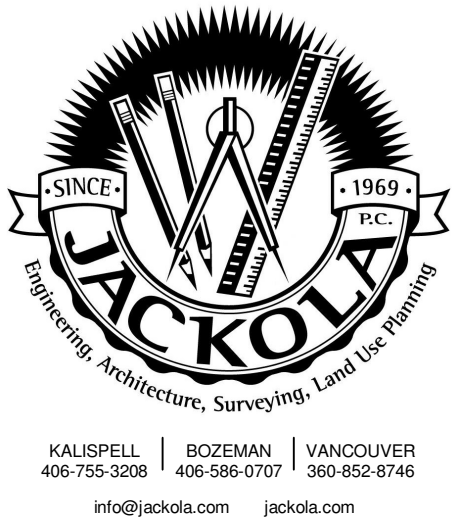
REVISIONS:

ACCESSIBILITY DETAILS

G-013

ARCHITECTURAL SHEET INDEX

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A-121	CLASSROOM REFLECTED CEILING PLAN
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A-211	INTERIOR ELEVATIONS



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ABBREVIATIONS

A	ABOVE FINISH FLOOR ACOUSTICAL CEILING TILE ADJUSTABLE ANCHOR BOLT ALUMINUM ALTERNATE ANODIZED APPROXIMATE ARCHITECT	FOS FACE OF STUDS FIN FINISH FF FINISH FLOOR FEC FIRE EXTINGUISHER/AND OR CABINET FLASHING FL FLOOR FD FLOOR DRAIN FT FOOT, FEET FTG FOOTING FND FOUNDATION FURN FURNITURE FUT FUTURE FBO FURNISHED BY OTHERS FRP FIBER REINFORCED PANEL	MATL MATERIAL MAX MAXIMUM MECH MECHANICAL, MECHANICAL ROOM MTL METAL MIN MINIMUM MIRR MIRROR MISC MISCELLANEOUS
B	BSMT BASEMENT BATH BATHROOM BM BEAM BRG BEARING BEDRM BEDROOM BET BETWEEN BLDG BUILDING BO BOTTOM OF BOT BOTTOM BN BOUNDARY NAILING BS BOTH SIDES	FND FOUNDATION FURN FURNITURE FUT FUTURE FBO FURNISHED BY OTHERS FRP FIBER REINFORCED PANEL	NOM NOMINAL N NORTH NA NOT APPLICABLE NIC NOT IN CONTRACT NTS NOT TO SCALE NO NUMBER
C	CFCI CONTRACTOR FURNISHED CONTRACTOR INSTALLED CPT CARPET CLS CEILING CT CERAMIC TILE CLR CLEAR CLST CLOSET COL COLUMN CONC CONCRETE CONST CONSTRUCTION CONT CONTINUOUS CONTR CONTRACT, CONTRACTOR CORR CORRIDOR CJ CONTROL JOINT CMU CONCRETE MASONRY UNIT	GA GAUGE GALV GALVANIZED GEN GENERAL GL GLASS GWB GYPSUM WALL BOARD GYPC GYPCRETE	OC ON CENTER OFCI OWNER FURNISHED CONTRACTOR INSTALLED OFOI OWNER FURNISHED OWNER INSTALLED OFF OFFICE OPG OPENING OPP OPPOSITE OD OUTSIDE DIAMETER OF OUTSIDE FACE O/O OUT TO OUT
D	DEMO DEMOLISH, DEMOLITION DTL DETAIL DIA DIAMETER DIM DIMENSION DW DISHWASHER DIV DIVISION DL DEAD LOAD DR DOOR DN DOWN DS DOWNSPOUT DWG DRAWING DF DRINKING FOUNTAIN D DRYER	H HALLWAY HDW HARDWARE HVAC HEATING, VENTILATING, & AIR CONDITIONING HT HEIGHT HM HOLLOW METAL HORIZ HORIZONTAL HWT HOT WATER TANK HR HOUR	PNT PAINT, PAINTED PNL PANEL PH PHASE PLAS PLASTIC P-LAM PLASTIC LAMINATE PL PLATE PLYWD PLYWOOD PVC POLYVINYL CHLORIDE PREFIN PREFINISHED PROP PROPERTY
E	EA EACH E EAST ELEC ELECTRIC ELEV ELEVATION, ELEVATOR EQ EQUAL EQUIP EQUIPMENT EXIST EXISTING EXP EXPANSION EJ EXPANSION JOINT EXT EXTERIOR	IBC INTERNATIONAL BUILDING CODE INCL INCLUDE, INCLUDED (ING) INFO INFORMATION ID INSIDE DIAMETER INSUL INSULATE, INSULATION INT INTERIOR	Q QUANTITY
F	FOS FACE OF BRICK FOC FACE OF CONCRETE FOM FACE OF MASONRY	JAN JANITOR JC JANITOR'S CLOSET JT JOINT	R RAD RADIUS RWL RAIN WATER LEADER REF REFERENCE REINF REINFORCE, REINFORCEMENT RCP REFLECTED CEILING PLAN REQD REQUIRED RFI REQUEST FOR INFORMATION REV REVISION R RISER RD ROOF DRAIN RM ROOM RO ROUGH OPENING
G	GALV GALVANIZED GEN GENERAL GL GLASS GWB GYPSUM WALL BOARD GYPC GYPCRETE	I INTERNATIONAL BUILDING CODE INCL INCLUDE, INCLUDED (ING) INFO INFORMATION ID INSIDE DIAMETER INSUL INSULATE, INSULATION INT INTERIOR	S SCHEDULE SEC SECTION SG SAFETY GLASS SHTG SHEATHING SIM SIMILAR SOG SLAB ON GRADE S SOUTH SPEC SPECIFICATION SQ SQUARE STD STANDARD STL STEEL STOR STORAGE STRUCT STRUCTURAL SF SQUARE FEET SUSP SUSPENDED
H	HALLWAY HARDWARE HEATING, VENTILATING, & AIR CONDITIONING HEIGHT HOLLOW METAL HORIZONTAL HOT WATER TANK HOUR	JAN JANITOR JC JANITOR'S CLOSET JT JOINT	T TECHNOLOGY ENHANCED ACTIVE LEARNING TEL TELEPHONE TEL TELEVISION TV TELEVISION TEMP TEMPERED, TEMPORARY T&G TONGUE AND GROOVE TOB TOP OF BRICK TOS TOP OF SLAB TOW TOP OF WALL TOM TOP OF MASONRY T TREAD TYP TYPICAL
I	INTERNATIONAL BUILDING CODE INCLUDE, INCLUDED (ING) INFORMATION INSIDE DIAMETER INSULATE, INSULATION INTERIOR	JAN JANITOR JC JANITOR'S CLOSET JT JOINT	U UPWARD ACTING SECTIONAL DOOR UBC UNIFORM BUILDING CODE UNO UNLESS NOTED OTHERWISE UTIL UTILITY
J	JAN JANITOR JC JANITOR'S CLOSET JT JOINT	JAN JANITOR JC JANITOR'S CLOSET JT JOINT	V VAPOR BARRIER VNR VENEER VERT VERTICAL VG VERTICAL GRAIN VCT VINYL COMPOSITION TILE
K	KITCHEN KNOCK OUT	JAN JANITOR JC JANITOR'S CLOSET JT JOINT	W WAINSCOT WC WATER CLOSET WIN WINDOW WP WATERPROOF (ING) WRB WEATHER RESISTANT BARRIER WWF WELDED WIRE FABRIC WWM WELDED WIRE MESH WT WEIGHT W WEST, WASHER W WITH W/D WASHER / DRYER
L	LABEL LAM LAMINATED LNDRY LAUNDRY LAV LAVATORY LVL LEVEL LL LIVE LOAD LR LIVING ROOM LOC'N LOCATION	JAN JANITOR JC JANITOR'S CLOSET JT JOINT	X SECTION ELEVATION DETAIL ITEM IDENTIFICATION SHEET WHERE ITEM IS CUT NORTH ARROW
M	MANUFACTURER MASONRY MASONRY OPENING	JAN JANITOR JC JANITOR'S CLOSET JT JOINT	XX WINDOW TYPE X DOOR NUMBER XXX ROOM NUMBER X.XX - S 'X'-X" WALL TYPE X REVISION NUMBER X KEY NOTE X DEMOLITION NOTE X FINISH TAG XX EQUIPMENT TAG

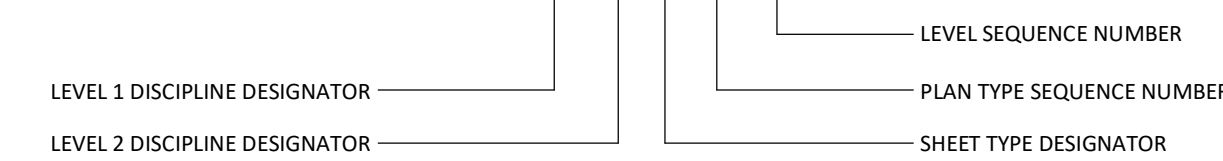
SYMBOLS USED AS ABBREVIATIONS

&	AND
L	ANGLE
@	AT
CL	CENTERLINE
u	CHANNEL
Ø	DIAMETER
PL	PLATE

SYMBOLS & MATERIALS

STRUCTURAL FILL	FINISHED WOOD
UNDISTURBED EARTH	PLYWOOD
DISTURBED EARTH	RIGID INSULATION
GRAVEL	BATT INSULATION
POURED CONCRETE	SPRAYFOAM INSULATION
CONCRETE BLOCK VENEER	SAND, PLASTER, GROUT
BRICK VENEER	METAL
EIFS	STEEL
ROUGH WOOD	WINDOW TYPE
BLOCKING	DOOR NUMBER
SECTION	ROOM NUMBER
ELEVATION	WALL TYPE
DETAIL	REVISION NUMBER
ITEM IDENTIFICATION SHEET WHERE ITEM IS CUT	KEY NOTE
NORTH ARROW	DEMOLITION NOTE
	FINISH TAG
	EQUIPMENT TAG
	ROOM FINISH KEY

A-102



*** NOTE ***
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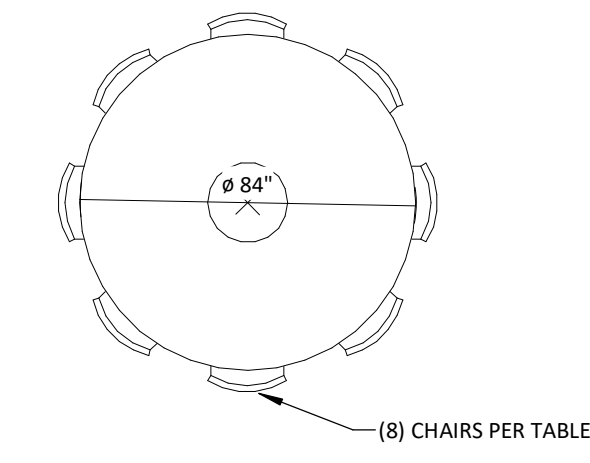
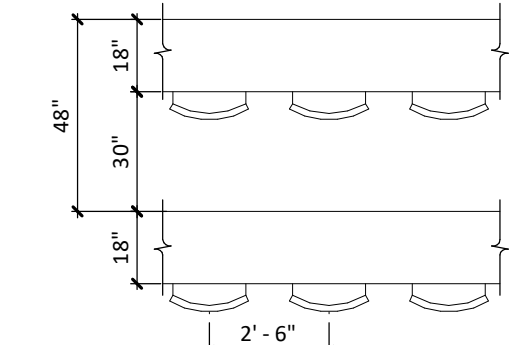
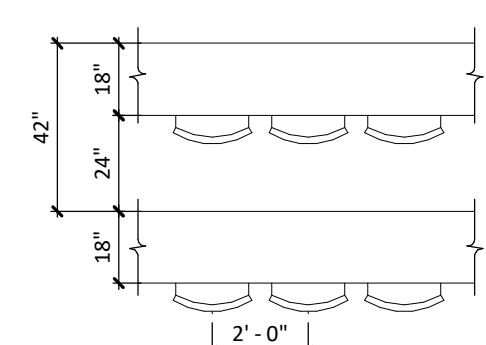
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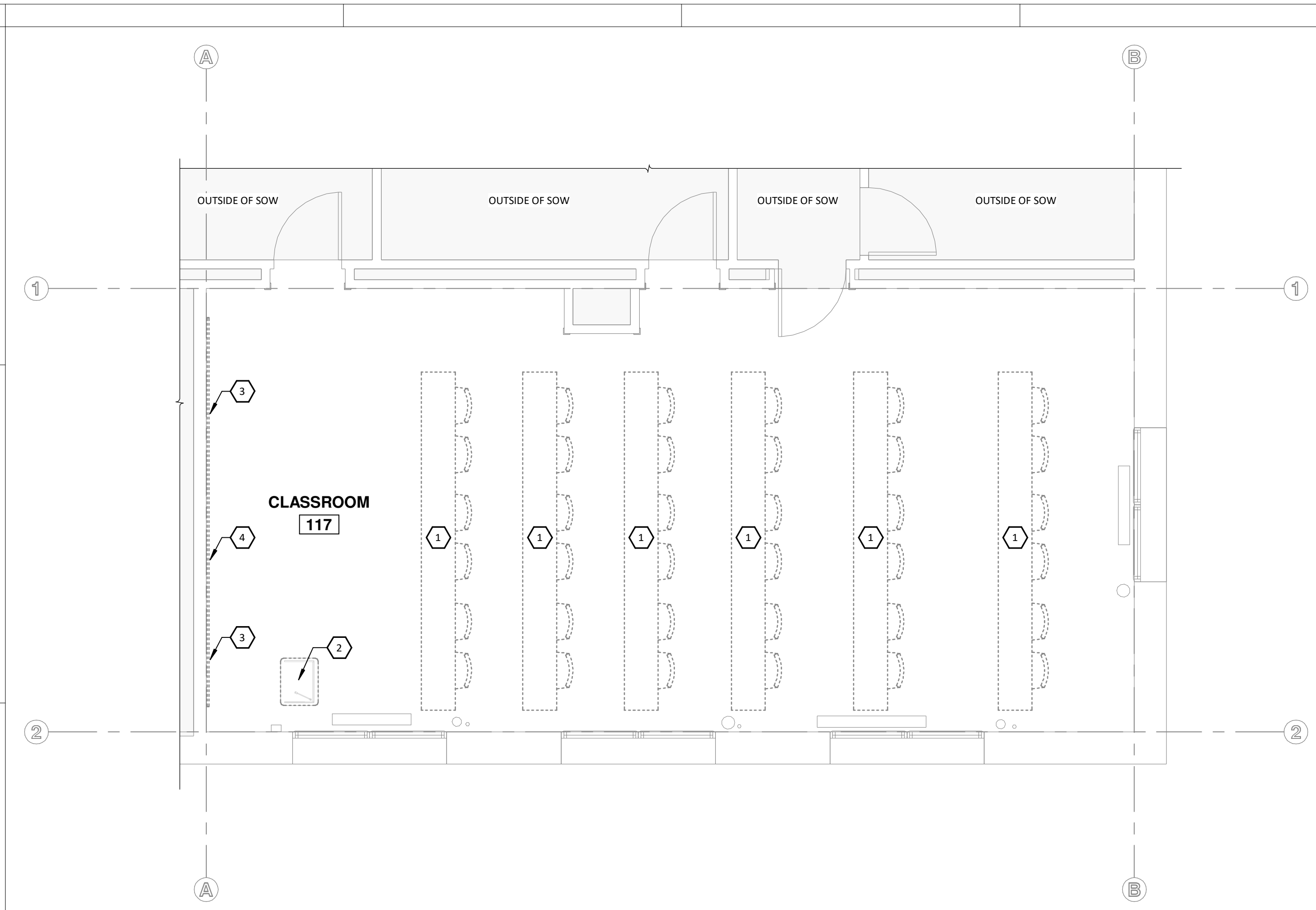
ARCHITECTURAL NOTES

A-001

- CLASSROOM DEMO KEYNOTES**
- 1 REMOVE TABLES AND CHAIRS, TYP. DELIVER TO OWNER'S STORAGE ON CAMPUS
 - 2 REMOVE AND REUSE LECTURN PODIUM, DELIVER TO OWNER'S STORAGE ON CAMPUS
 - 3 REMOVE WHITE BOARD, DELIVER TO OWNER'S STORAGE ON CAMPUS
 - 4 REMOVE PROJECTOR SCREEN, DELIVER TO OWNER'S STORAGE ON CAMPUS



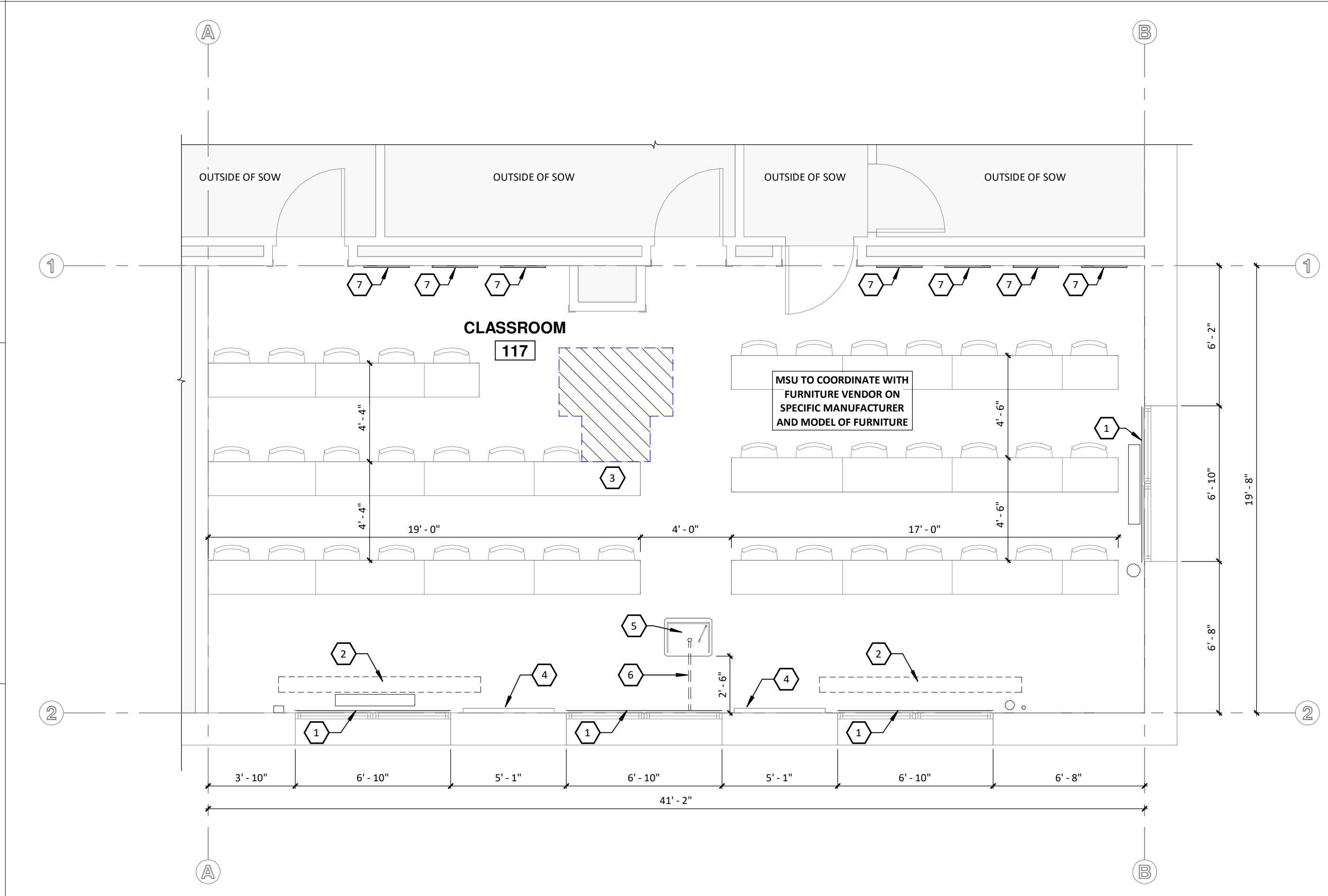
3 FURNITURE KEY
1/4" = 1'-0"



1 DEMO FLOOR PLAN
1/4" = 1'-0" APPROXIMATE OCCUPANCY: 36 (22.4 S.F./STUDENT)

- CLASSROOM PLAN KEYNOTES**
- 1 MANUAL LIGHT FILTERING SHADES, FIELD VERIFY DIMENSIONS (CFCI)
 - 2 MOTORIZED PROJECTOR SCREEN (OFCI)
 - 3 ADA ACCESSIBLE LOCATION
 - 4 4' x 4' WHITE BOARD, NO TRAY (CFCI)
 - 5 LECTERN PODIUM, B.O.D: DELUXE LECTERN - LE3040 (OFCI)
 - 6 POWER/DATA SUPPLY AT LECTERN PODIUM
 - 7 ACOUSTIC WALL PANEL, B.O.D: ARMSTRONG SOUNDSOAK 85 FIBERGLASS, 24" x 72", 1" THICK, 0.80 NRC, COLOR: FR-701 SILVER PAPIER (CFCI)

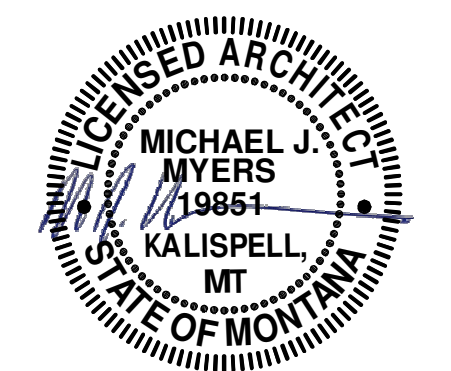
GENERAL NOTES:
A. TABLES AND CHAIRS ARE OFOI.



2 FLOOR PLAN
1/4" = 1'-0" APPROXIMATE OCCUPANCY: 42 (+6 FROM EXISTING) - 19.1 S.F./STUDENT

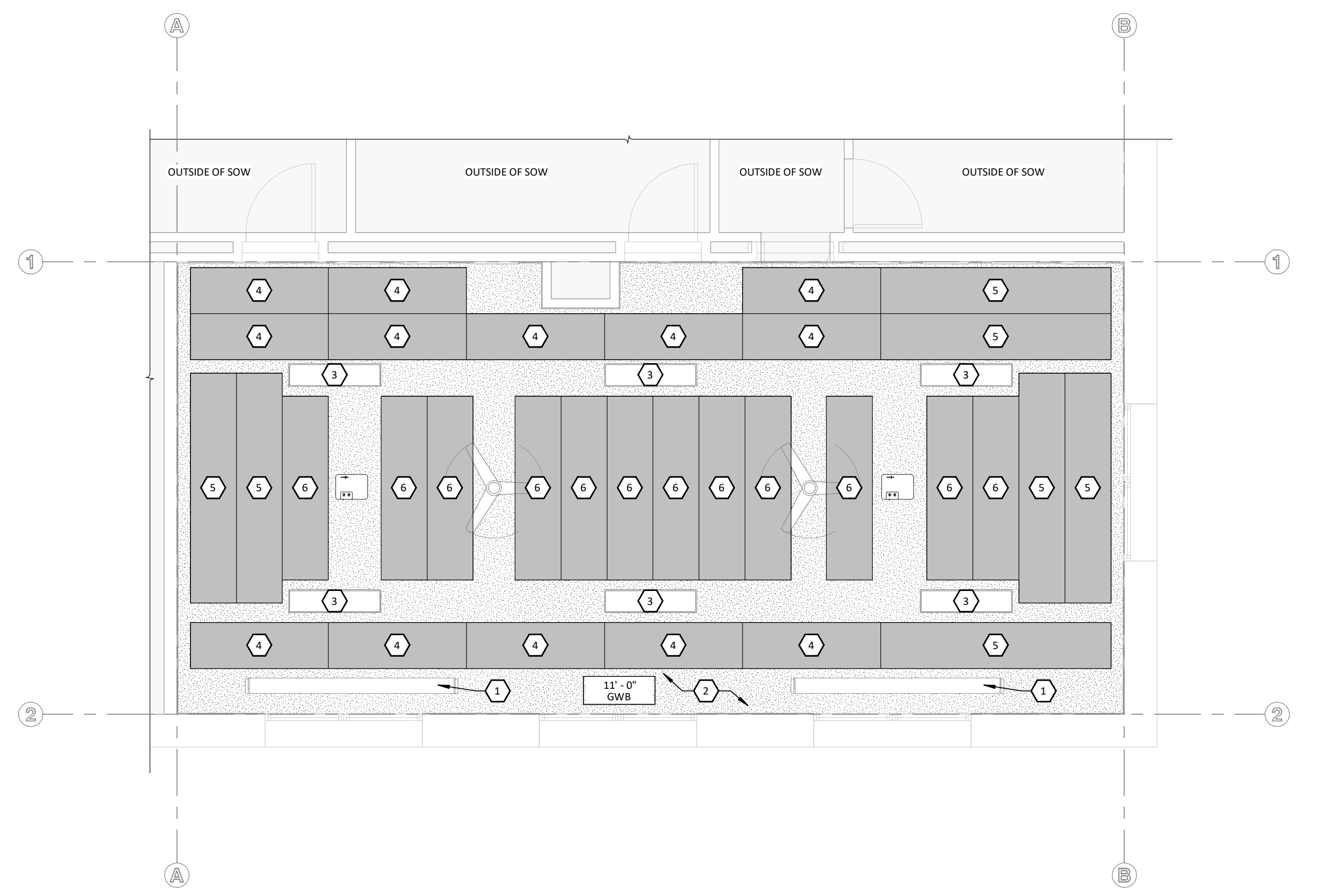
LEVEL 1 RCP KEYNOTES

- 1 MOTORIZED PROJECTOR SCREEN (OFCI)
- 2 EXISTING CEILING TO REMAIN
- 3 EXISTING LIGHTS TO REMAIN
- 4 ACOUSTIC WALL PANEL, B.O.D: ARMSTRONG SOUNDOAK 85 FIBERGLASS, 24" x 72", 1" THICK, 0.80 NRC, COLOR: FR-701 SILVER PAPIER, BEVELED EDGE (CFCI)
- 5 ACOUSTIC WALL PANEL, B.O.D: ARMSTRONG SOUNDOAK 85 FIBERGLASS, 24" x 120", 1" THICK, 0.80 NRC, COLOR: FR-701 SILVER PAPIER, BEVELED EDGE (CFCI)
- 6 ACOUSTIC WALL PANEL, B.O.D: ARMSTRONG SOUNDOAK 85 FIBERGLASS, 24" x 96", 1" THICK, 0.80 NRC, COLOR: FR-701 SILVER PAPIER, BEVELED EDGE (CFCI)



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1 REFLECTED CEILING PLAN
 1/4" = 1'-0"
 0 2 4 8'

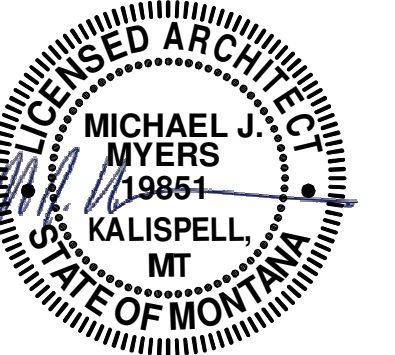
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CLASSROOM REFLECTED CEILING PLAN



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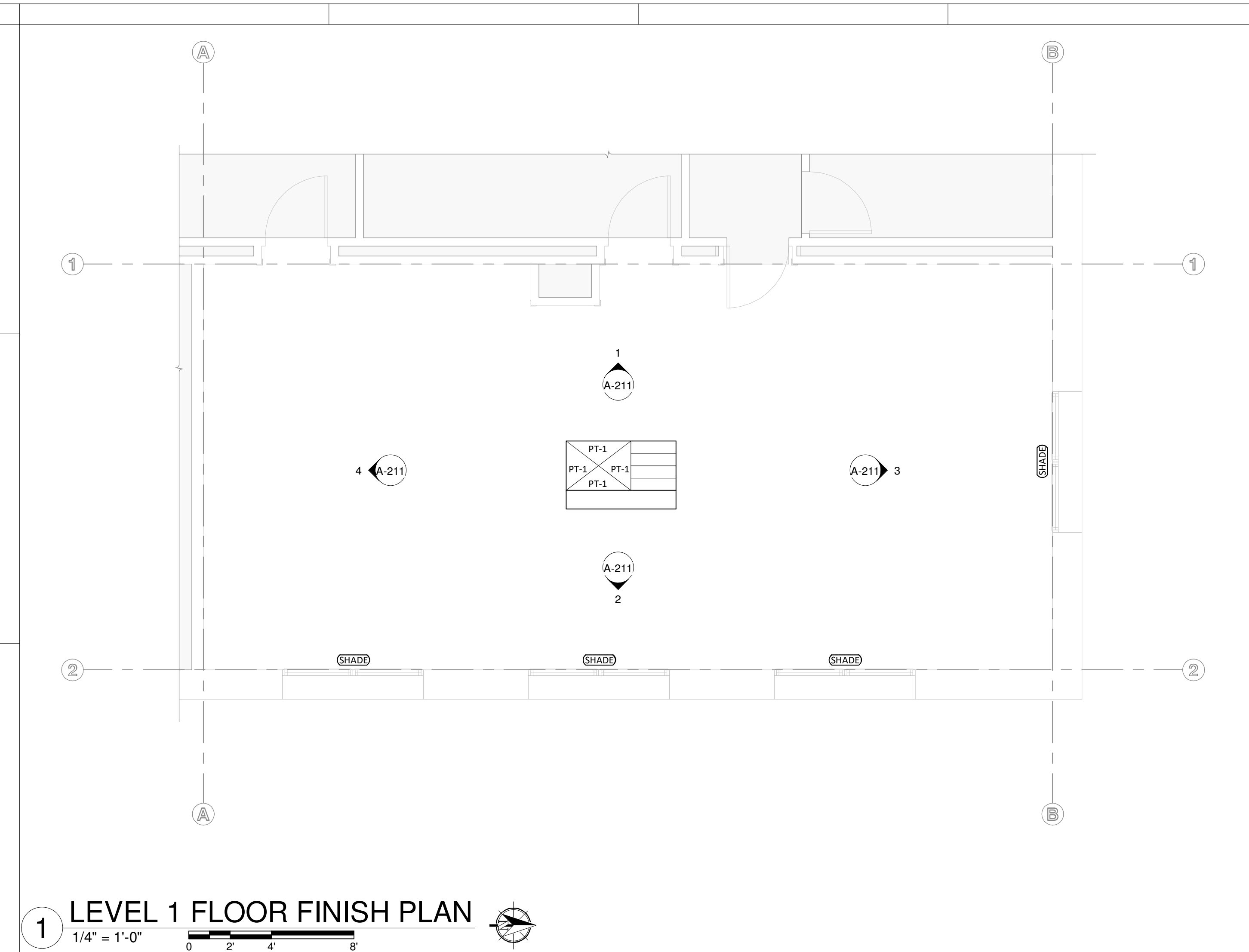
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FINISH SCHEDULE

TAG	KEY	COLOR	MANUFACTURER	STYLE	NOTE
PT-1	PAINT				TOUCH UP EXISTING PAINT ON ALL WALLS
SHADE	LIGHT FILTERING SHADE	WHITE	HUNTER DOUGLAS	RB 500+ MANUAL ROLLER SHADES	E SCREEN 7503, 3% OPENNESS

ROOM FINISH KEY

WALL	CEILING
WALL	SILL
WALL	FLOOR
WALL	BASE
NOTES	



1 LEVEL 1 FLOOR FINISH PLAN
 1/4" = 1'-0"
 0 2' 4' 8'

DRAWN: KCE CHECKED: MJM

DATE: 11/19/2024

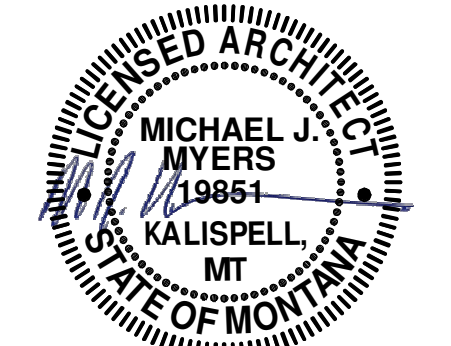
REVISIONS:

CLASSROOM FINISH PLAN

A-131

INTERIOR ELEVATION KEYNOTES

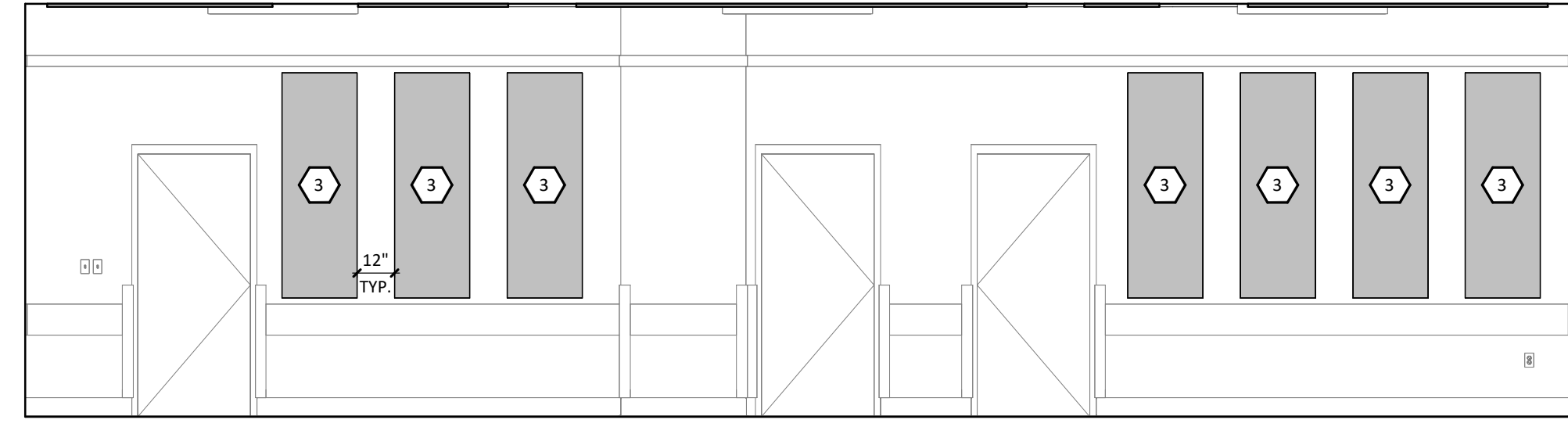
- 1 ELECTRIC PROJECTION SCREEN (DFCI)
- 2 4' x 4' WHITE BOARD, NO TRAY (CFCI)
- 3 ACOUSTIC WALL PANEL, B.O.D: ARMSTRONG SOUNDOAK 85 FIBERGLASS, 24" x 72", 1" THICK, 0.80 NRC, COLOR: FR-701 SILVER PAPER (CFCI)
- 4 POE WALL CLOCK (DFCI)



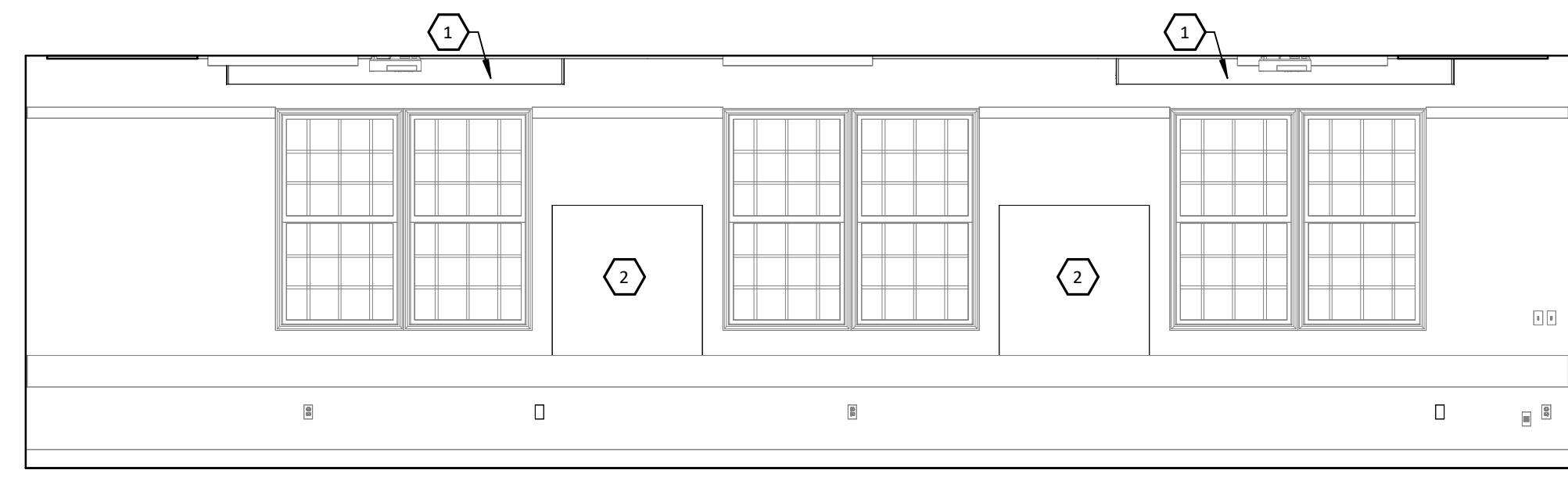
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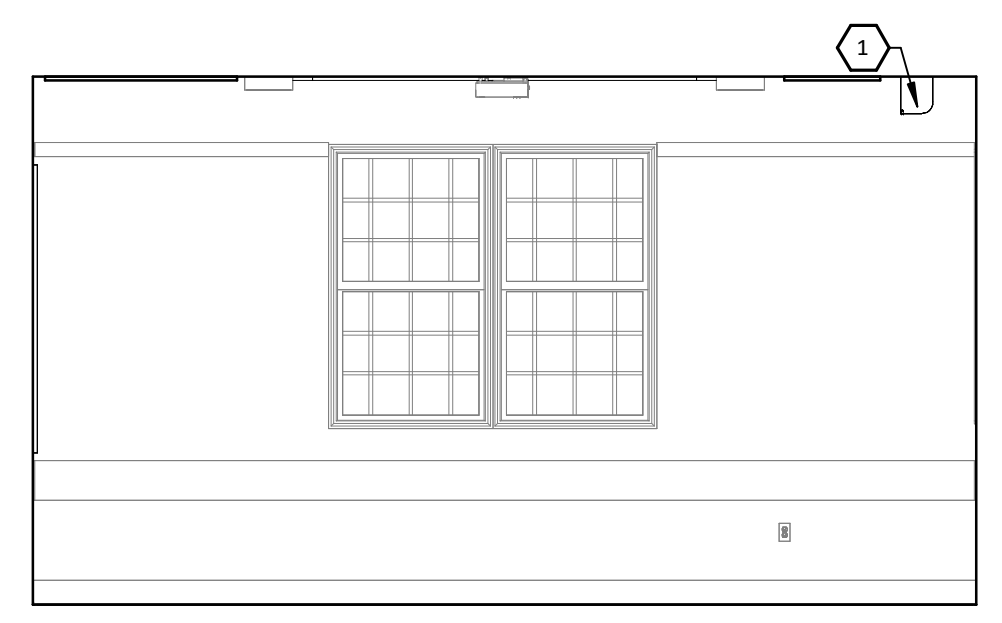
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 ROOM #117
 PPA#: 23-0828



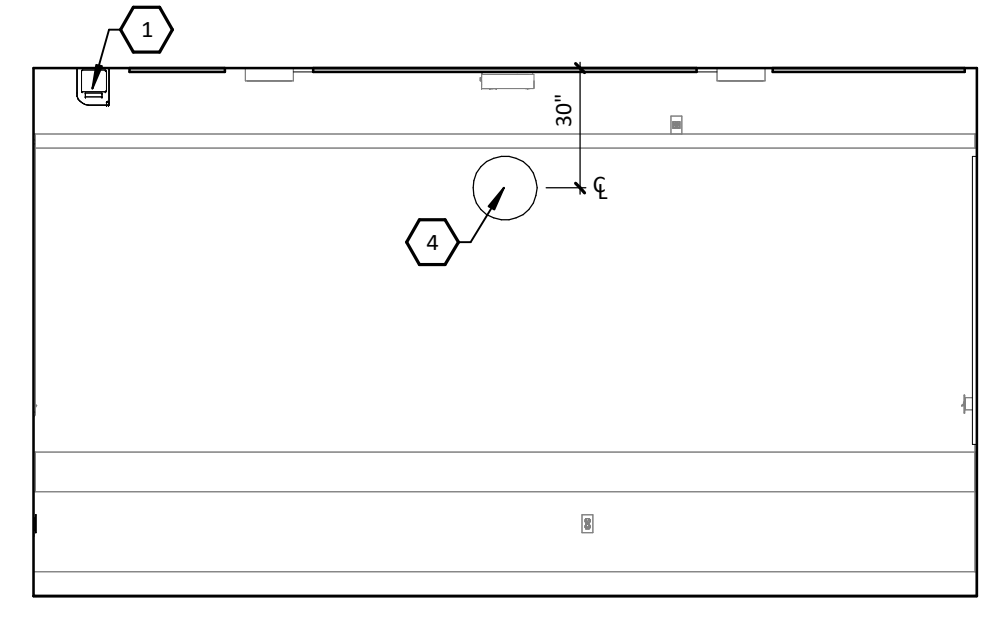
1 WEST INTERIOR ELEVATION
1/4" = 1'-0"



2 EAST INTERIOR ELEVATION
1/4" = 1'-0"



3 NORTH INTERIOR ELEVATION
1/4" = 1'-0"



4 SOUTH INTERIOR ELEVATION
1/4" = 1'-0"

DRAWN: KCE CHECKED: MJM

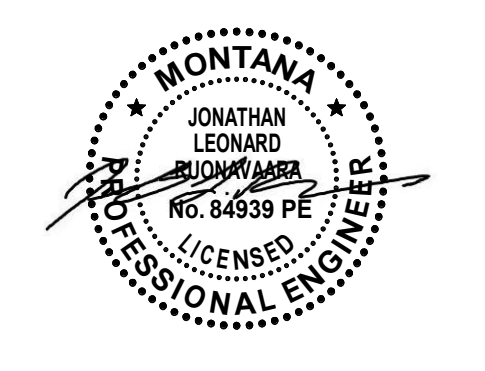
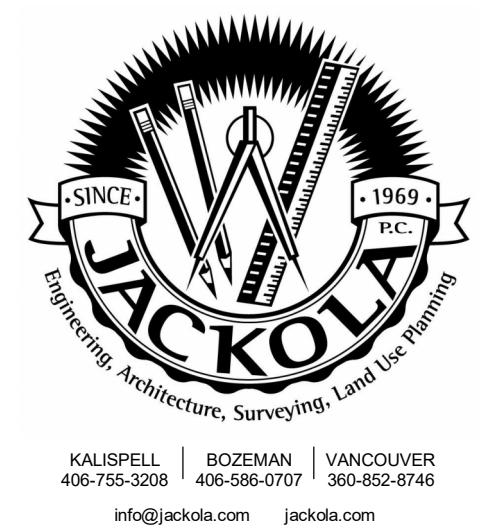
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REVISIONS:

NO.	DESCRIPTION

INTERIOR ELEVATIONS

A-211



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ELECTRICAL SYMBOL LEGEND

Table with 3 columns: SYMBOL, DESCRIPTION, SYMBOL, DESCRIPTION, SYMBOL, DESCRIPTION. Lists various electrical symbols and their corresponding descriptions, such as surface light, fire alarm horn, and transformer.

ELECTRICAL ABBREVIATIONS LIST

Table with 3 columns: ABBREVIATION, DESCRIPTION, ABBREVIATION, DESCRIPTION, ABBREVIATION, DESCRIPTION. Lists electrical abbreviations and their meanings, such as 1P (1 Pole), AC (Above Counter), and ELEC (Electric).

GENERAL ELECTRICAL NOTES AND SPECIFICATIONS

GENERAL NOTES: 1. ALL WORK SHALL CONFORM TO ALL APPLICABLE REQUIREMENTS OF FEDERAL AND STATE CODES... CONTRACTOR RESPONSIBILITIES: 1. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL ELECTRICAL WORK... GROUNDING AND BONDING FOR ELECTRICAL SYSTEM: 1. GROUNDING AND BONDING WORK SHALL COMPLY WITH REQUIREMENTS OF NEC, LOCAL UTILITY, TELEPHONE COMPANY REQUIREMENTS, AND AHI.

SPECIFIC CODE NOTES

FIRE PROTECTION & SOUND REQUIREMENTS: A. PENETRATIONS IN WALLS REQUIRING PROTECTED OPENINGS MUST BE FIRE STOPPED WITH AN APPROVED MATERIAL... E-102: LEVEL 1 DISCIPLINE DESIGNATOR, LEVEL 2 DISCIPLINE DESIGNATOR.

ELECTRICAL SYMBOL NOTES

16-9: THE PANEL DEVICE DESIGNATION IS INDICATED BY A LOWER CASE LETTER. EXAMPLE: SINGLE POLE SWITCH "a" TO CONTROL LIGHTING FIXTURES INDICATED BY "a". SPECIAL CONNECTIONS: THE EQUIPMENT IS INDICATED BY A NUMBER IN A CIRCLE. EXAMPLE: EQUIPMENT NO. 1, 3 PHASE CONNECTION TO CIRCUITS 1, 3, 5.

CODE COMPLIANCE

BUILDING ELECTRICAL SYSTEMS ARE DESIGNED IN ACCORDANCE WITH THE FOLLOWING CODES AND STANDARDS: 2012 IRC (INTERNATIONAL BUILDING CODE), 2021 IBC (INTERNATIONAL EXISTING BUILDING CODE), 2017 ICC A117.1 - ACCESSIBILITY, 2020 NFPA 70 (NATIONAL ELECTRICAL CODE), 2019 NFPA 72, MONTANA STATE UNIVERSITY - BOZEMAN ENGINEERING GUIDELINES REVISION 04-05-2024.

ELECTRICAL MOUNTING HEIGHTS

Table with 2 columns: RECEPTACLE, SWITCH, THERMOSTAT, DATA/TEL, PANELBOARD, FA PULL STATION, FA HORN STROBE, FA HORN HORN, TV/AV/INTERCOM, EXIT SIGN. Lists mounting heights for various electrical components.

ELECTRICAL SHEET INDEX

Table with 2 columns: E-001 ELECTRICAL TITLE SHEET, E-111 ELECTRICAL DEMOLITION PLAN, E-111 LIGHTING PLAN, E-121 POWER PLAN.

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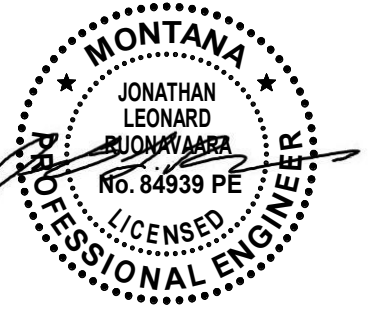
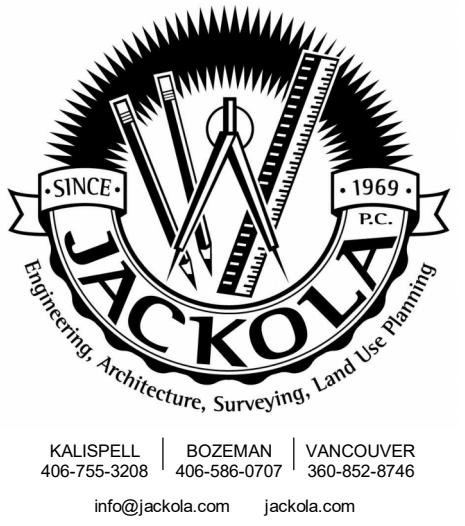
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REVISIONS:

ELECTRICAL TITLE SHEET

E-001

PROJECT #24002



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 PPA# 23-0828

DEMOLITION GENERAL NOTES

- SAVE CIRCUITS FROM DEMOLISHED ELECTRICAL COMPONENTS FOR REUSE. COORDINATE ELECTRICAL DEMOLITION WORK WITH GENERAL CONTRACTOR.
- FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY FOR CONTINUITY OF ANY FEEDERS OR BRANCH CIRCUITS ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY ELECTRICAL EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.
- NOT ALL EXISTING DEVICES/EQUIP ARE SHOWN. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL DEMOLITION WORK WITH EXISTING CONDITIONS.
- REROUTE/REINSTALL DEMOLISHED ELECTRICAL AS NOTED. DISPOSE OF ALL OTHER DEMOLISHED ELECTRICAL MATERIALS IN A SAFE AND LEGAL MANNER.

KEYNOTES

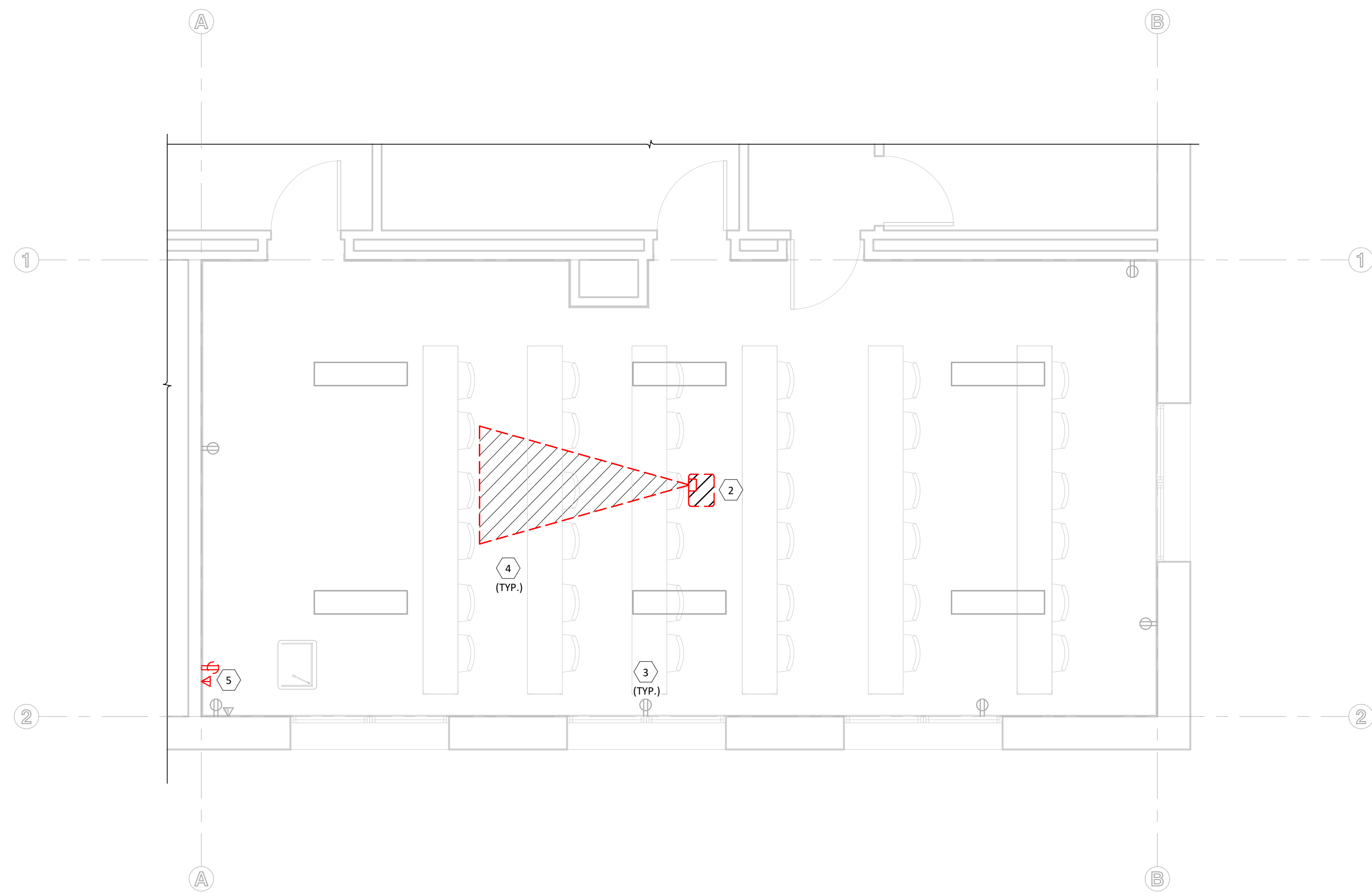
- 1 NOT USED.
- 2 DEMOLISH EXISTING PROJECTOR. REMOVE WIRING BACK TO NEAREST JUNCTION BOX.
- 3 UNLESS NOTED OTHERWISE, REPLACE HALFTONED EXISTING RECEPTACLE AND PHONE DATA DEVICES AND COLORS. REUSE EXISTING BOXES, CONDUIT, AND WIRING. SEE KEYNOTE 4/E-121.
- 4 DEMOLISH DEVICE, WIRING, AND RACEWAY WHERE SHOWN IN DASHED BOLD.
- 5 DEMOLISH EXISTING SURFACE RACEWAY, POWER, AND DATA WIRING BACK TO NEAREST ACCESSIBLE JUNCTION BOX. REROUTE DATA TO NEW LECTURN, SEE KEYNOTE 2/E-122.

DIVISION OF RESPONSIBILITY:

CONTRACTOR FURNISHED, CONTRACTOR INSTALLED (CFCI):
 JUNCTION BOXES, CONDUIT, & HOOKS
 SHADES
 BACKING FOR ALL MOUNTS

OWNER FURNISHED, CONTRACTOR INSTALLED (OFCI):
 CENTER PEDESTAL FOR THE WIRED DESKS (ADD ALTERNATE #4)
 MOUNTS FOR TVs, PROJECTORS, & CAMERAS
 PROJECTOR SCREENS
 SPEAKERS
 FANS

OWNER FURNISHED, OWNER INSTALLED (OFOI):
 LECTURNS
 AV CONTROLS, INCLUDING LIGHTING CONTROLS
 AV EQUIPMENT, INCLUDING TVS, PROJECTORS, WAP, SWITCHES, & COVER PLATES
 AV EQUIPMENT CABINETS
 ALL AV CABLES & WIRING
 WALL CLOCKS



1 ELECTRICAL DEMOLITION PLAN
 1/4" = 1'-0"
 0 2 4 8'

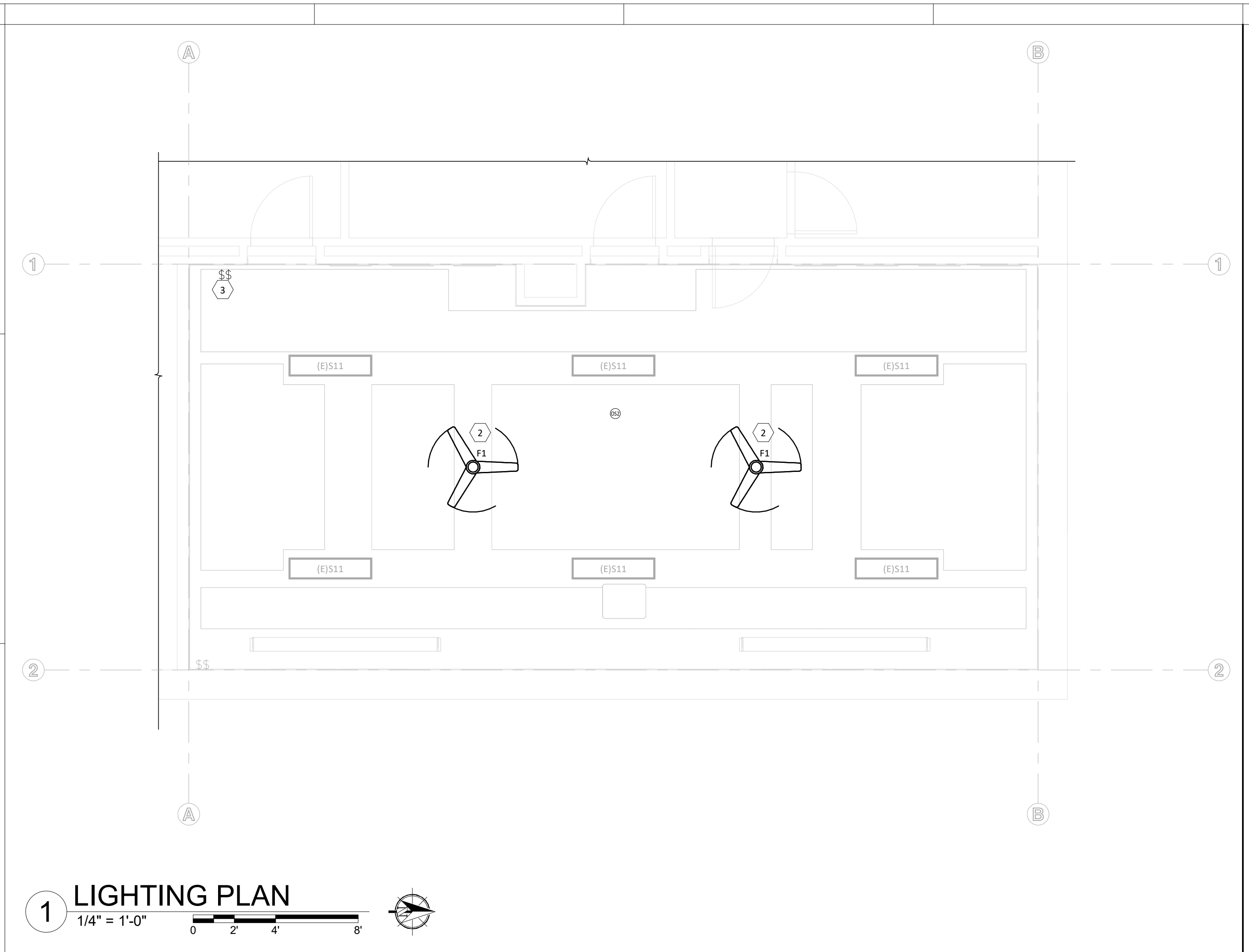
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DATE: 11/19/2024

REVISIONS:

**ELECTRICAL
 DEMOLITION
 PLAN**

ED111



LIGHTING GENERAL NOTES

- LIGHTING LAYOUT AND PLACEMENT IS SCHEMATIC ONLY. COORDINATE EXACT LOCATION OF LIGHT FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLAN TO AVOID INTERFERENCE WITH MECHANICAL, PLUMBING, AND STRUCTURAL SYSTEMS.
- EXIT AND EMERGENCY EGRESS LIGHTING SHALL BE NON-SWITCHED AND CIRCUITED TO THE NEAREST INTERIOR LIGHTING CIRCUIT. EMERGENCY FIXTURES SHALL HAVE A 90 MINUTE MINIMUM BATTERY BACKUP. WHERE EMERGENCY FIXTURES HAVE AN ADJUSTABLE HEAD, DIRECT LIGHT TOWARDS PATH OF EGRESS.
- CIRCUIT WIRING IS NOT SHOWN EXCEPT FOR SWITCHING INTENT OF FIXTURES AND CONTROL OF DEVICES. PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUITING AND SWITCHING SHOWN.
- SEE ELECTRICAL SYMBOL NOTES ON TITLE SHEET E-001 FOR SWITCHING NOMENCLATURE. SWITCHES DESIGNATED WITH LOWER CASE LETTERS TO CONTROL FIXTURES WITH MATCHING DESIGNATIONS.

KEYNOTES

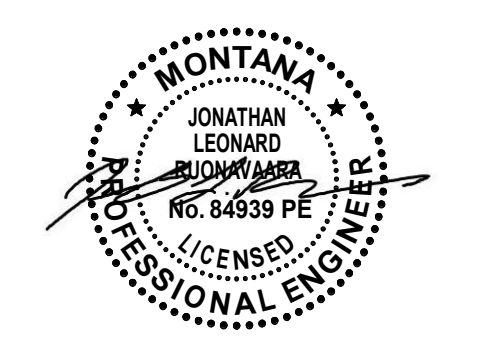
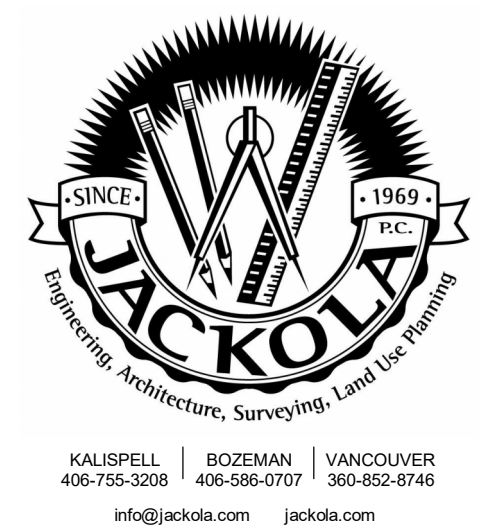
- 1 NOT USED.
- 2 COORDINATE EXACT FAN LOCATION AND MOUNTING WITH GC ONSITE. ROUTE FAN POWER TO SWITCH, SEE KEYNOTE 3/E-111.
- 3 ROUTE FAN POWER AND CONTROLS BACK TO SWITCH.

DIVISION OF RESPONSIBILITY:

CONTRACTOR FURNISHED, CONTRACTOR INSTALLED (CFCI) :
 JUNCTION BOXES, CONDUIT, & HOOKS
 SHADES
 BACKING FOR ALL MOUNTS

OWNER FURNISHED, CONTRACTOR INSTALLED (OFCI) :
 CENTER PEDESTAL FOR THE WIRED DESKS (ADD ALTERNATE #4)
 MOUNTS FOR TVS, PROJECTORS, & CAMERAS
 PROJECTOR SCREENS
 SPEAKERS
 FANS

OWNER FURNISHED, OWNER INSTALLED (OFOI) :
 LECTURNS
 AV CONTROLS, INCLUDING LIGHTING CONTROLS
 AV EQUIPMENT, INCLUDING TVS, PROJECTORS, WAP, SWITCHES, & COVER PLATES
 AV EQUIPMENT CABINETS
 ALL AV CABLES & WIRING
 WALL CLOCKS



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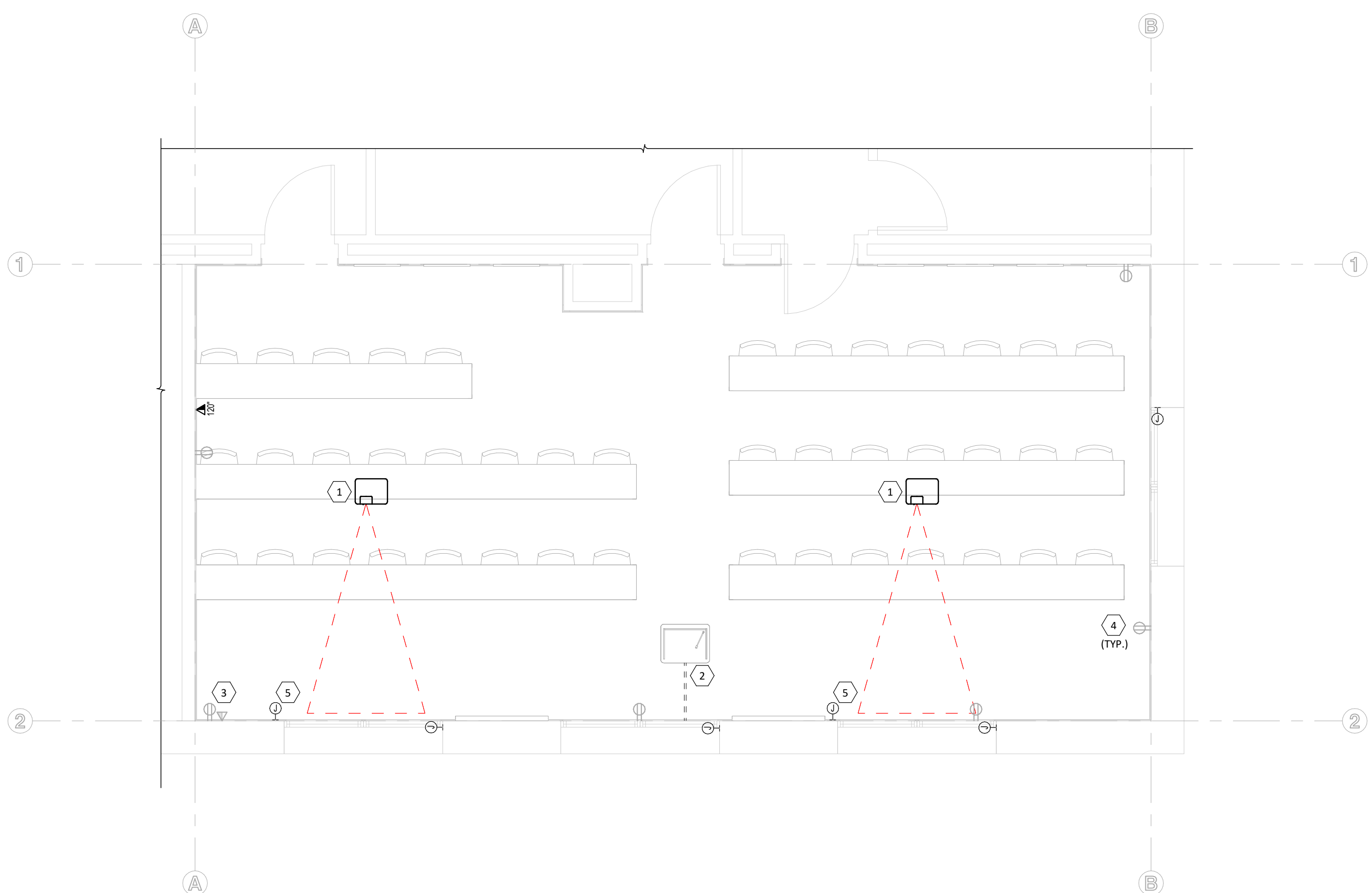
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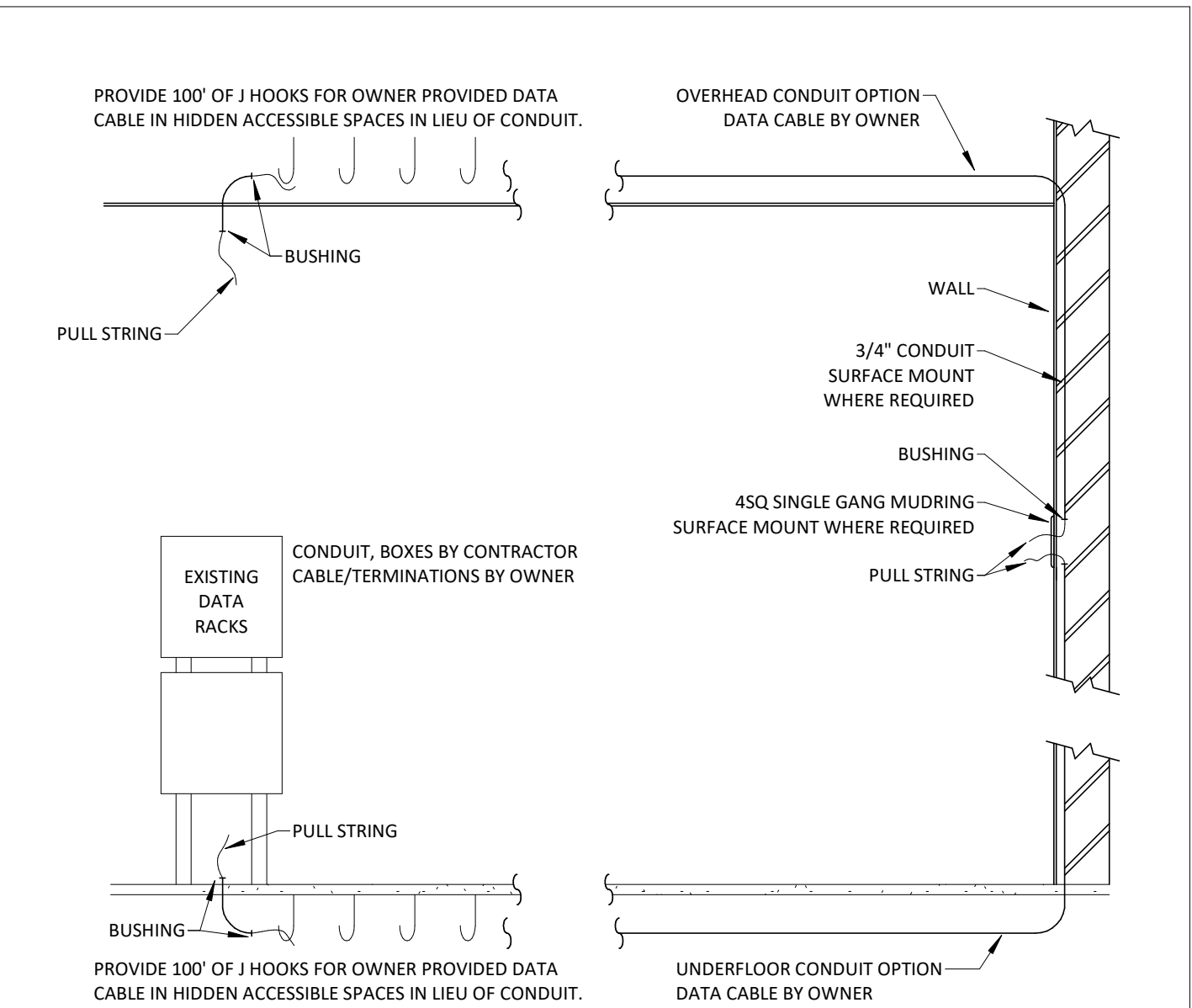
REVISIONS:

LIGHTING PLAN

E-111



1 POWER PLAN
 1/4" = 1'-0"
 0 2 4 8



2 DATA DETAIL
 N.T.S.

POWER GENERAL NOTES

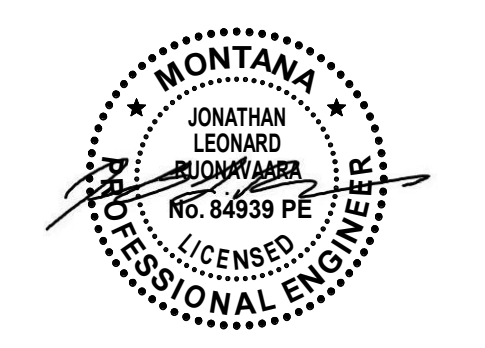
- PRIOR TO ROUGH-IN AND INSTALLATION, ELECTRICAL CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND REQUIREMENTS OF ALL ELECTRICAL ITEMS. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATIONS OF HVAC EQUIPMENT.
- CONDUIT IS REQUIRED, PROVIDE 3/4" EMT (MINIMUM) HOMERUNS FOR ALL BRANCH CIRCUITS.
- WHERE POSSIBLE, CONCEAL ALL CONDUITS AND RACEWAYS EXCEPT ABOVE ACT CEILINGS.
- FIRE SEAL ALL PENETRATIONS IN FIRE RATED ASSEMBLIES, SEE FIRE PROTECTION NOTES ON E-001.
- CIRCUIT WIRING IS NOT SHOWN EXCEPT FOR SWITCHING INTENT OF FIXTURES AND CONTROL DEVICES. PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUITING AND SWITCHING SHOWN.
- ROUTE ALL DATA CABLE PATHWAYS TO 205A TELECOMM ROOM, SEE DETAIL 2/E-221.
- LIMIT LENGTHS OF EXPOSED RACEWAYS WHERE POSSIBLE, MATCH EXISTING INSTALLATION/ROUTING METHODS.
- ROUTE NEW CIRCUITS TO ELECTRICAL PANEL IN ROOM 118, SEE G-001 FOR LOCATION.

KEYNOTES

- 1 NEW PROJECTOR OFOI, COORDINATE DATA AND POWER REQUIREMENTS WITH OWNER'S IT DEPARTMENT. VERIFY INSTALL LOCATION ON-SITE. REROUTE EXISTING WIRING TO NEW LOCATION AND EXTEND AS NECESSARY, SEE KEYNOTE 2/ED111.
- 2 REROUTE EXISTING POWER VIA (2) RUNS OF SURFACE WIREMOLD FROM ACCESSIBLE CEILING TO NEW LECTURN, SEE KEYNOTE 5/ED111. BASIS OF DESIGN: FSR SMART-WAY FLOOR RACEWAY OR APPROVED EQUAL. COORDINATE EXACT LOCATION AND WIREMOLD SELECTION WITH OWNER. COORDINATE ALL REROUTED CONTROLS REQUIREMENTS WITH OWNER'S IT DEPARTMENT PRIOR TO INSTALL.
- 3 REPLACE HALF TONE EXISTING RECEPTACLE AND PHONE DATA DEVICES AND COVERS. REUSE EXISTING BOXES, CONDUIT, AND WIRING. SEE DEMO KEYNOTE 3/ED111.
- 4 REPLACE 1/2 TONE EXISTING RECEPTACLE AND PHONE DATA DEVICES AND COVERS. REUSE EXISTING BOXES, CONDUIT AND WIRING. SEE KEYNOTE 3/ED111.
- 5 SUSPENDED POWERED PROJECTOR SCREEN BY CONTRACTOR, COORDINATE ELECTRICAL REQUIREMENTS AND MOUNTING WITH GC ON-SITE. PROVIDE CONTROL WIRING BACK TO LECTURN FOR REMOTE CONTROL.

DIVISION OF RESPONSIBILITY:

- CONTRACTOR FURNISHED, CONTRACTOR INSTALLED (CFCI):**
 JUNCTION BOXES, CONDUIT, & HOOKS
 SHADES
 BACKING FOR ALL MOUNTS
- OWNER FURNISHED, CONTRACTOR INSTALLED (OFCI):**
 CENTER PEDESTAL FOR THE WIRED DESKS (ADD ALTERNATE #4)
 MOUNTS FOR TVs, PROJECTORS, & CAMERAS
 PROJECTOR SCREENS
 SPEAKERS
 FANS
- OWNER FURNISHED, OWNER INSTALLED (OFOI):**
 LECTURNS
 AV CONTROLS, INCLUDING LIGHTING CONTROLS
 AV EQUIPMENT, INCLUDING TVs, PROJECTORS, WAP, SWITCHES, & COVER PLATES
 AV EQUIPMENT CABINETS
 ALL AV CABLES & WIRING
 WALL CLOCKS



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DATE: 11/19/2024

REVISIONS:

POWER PLAN

E-121