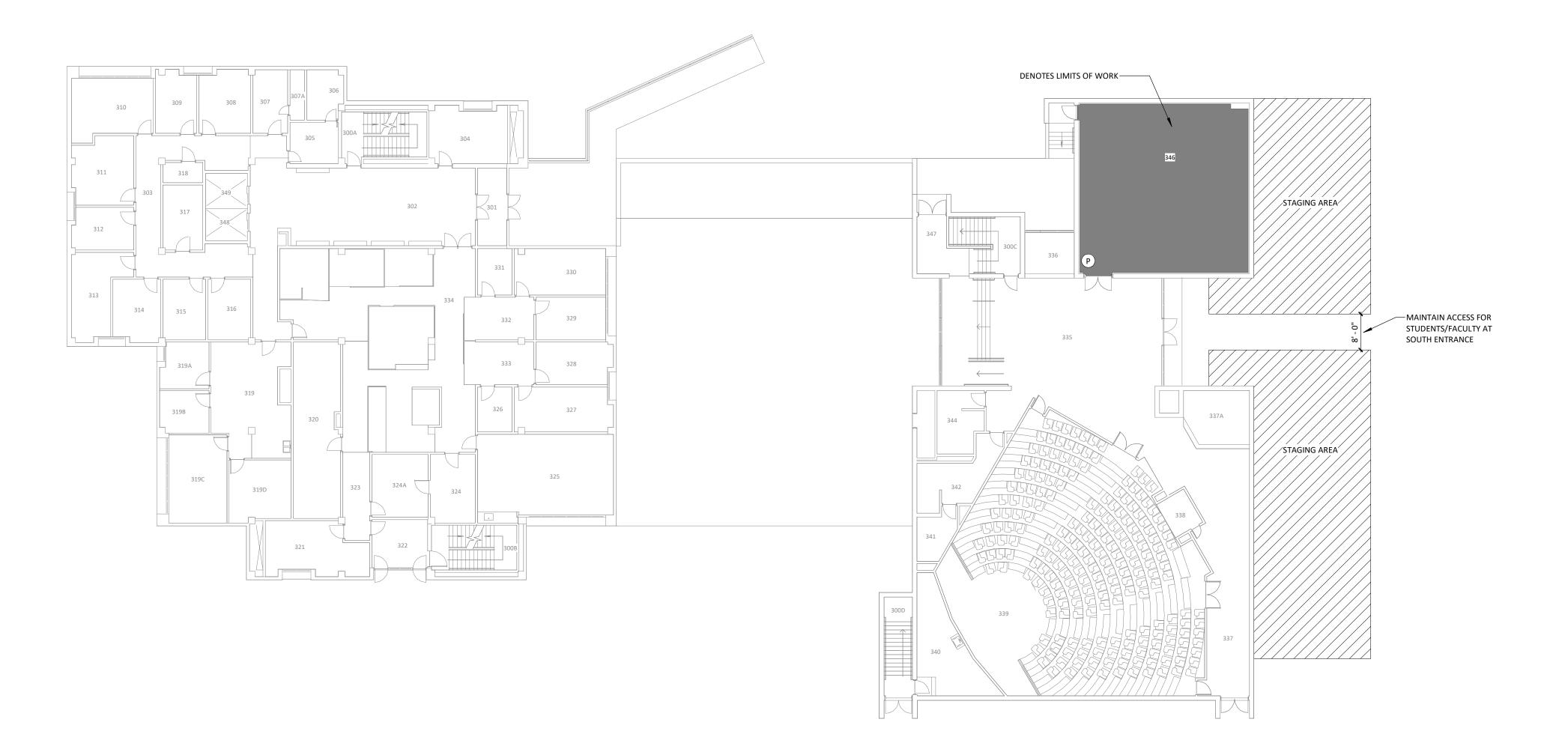


LEON JOHNSON HALL MONTANA STATE UNIVERSITY

950 WEST GARFIELD STREET, BOZEMAN, MT 59715 **ROOM #346** PPA#: 23-0828



DEFERRED SUBMITTALS

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DEMO CLASSROOM REFLECTED CEILING PLAN

CLASSROOM REFLECTED CEILING PLAN



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BUILDING REQUIREMENTS FROM THE

EQUIPMENT OR FIXTURES USING NEW MATERIALS, ELEMENTS, OR EQUIPMENT OR FIXTURES THAT SERVE THE SAME PURPOSE.

COMPLIANCE METHOD:

STRUCTURAL

ALTERATIONS: EXCEPT AS PROVIDED BY SECTION 302.4, 302.5 OR THI

NO CHANGE IS BEING MADE TO THE OCCUPANCY SIZE OR TYPE.

NO CHANGE TO EXIT DISTANCE OR PATH.

P LOCATION OF EXISTING ELECTRICAL PANEL.

DRAWN: KCE CHECKED: MJM

REVISIONS

DATE: 11/19/2024

TITLE SHEET

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
- THE GENERAL CONTRACTOR IS TO HAVE A FULL TIME QUALIFIED SUPERVISOR ON THE SITE AT ALL TIMES WHILE WORK IS BEING 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

GENERAL NOTES

- 1. 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
- 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. 9. WORDS WHICH HAVE WELL KNOWN TECHNICAL OR 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.
- 6. ALL SURFACES AND/OR FINISHES DAMAGED AS A RESULT OF AND ADJACENT TO THE WORK SHALL BE REPAIRED AND FINISHED TO THEIR ORIGINAL CONDITION. 7. USE DETAILS MARKED 'TYPICAL' (TYP) WHEREVER APPLICABLE.
- 8. 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. TRADEMEANINGS ARE USED IN THE DRAWINGS AND SPECIFICATIONS IN ACCORDANCE WITH SUCH RECOGNIZED
- 11. WITHIN THE DRAWINGS AND RELATED SPECIFICATIONS THERE SHALL BE THE FOLLOWING PRECEDENCE: A. ADDENDA OR MODIFICATIONS TO THE DRAWINGS AND SPECIFICATIONS TAKE PRECEDENCE OVER THE ORIGINAL, WHEN ISSUED BY THE ARCHITECT.
- B. 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. 12. 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. 13. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES AND
- 14. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY DURING BUILDING CONSTRUCTION.

15. 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 1720760 BOZEMAN, MT 59717-2760 ATTN: JENNISSE WATERS EMAIL: JENNISSE.WATERS@MONTANA.EDU TEL: (406) 994-5970

DESIGN PROFESSIONALS

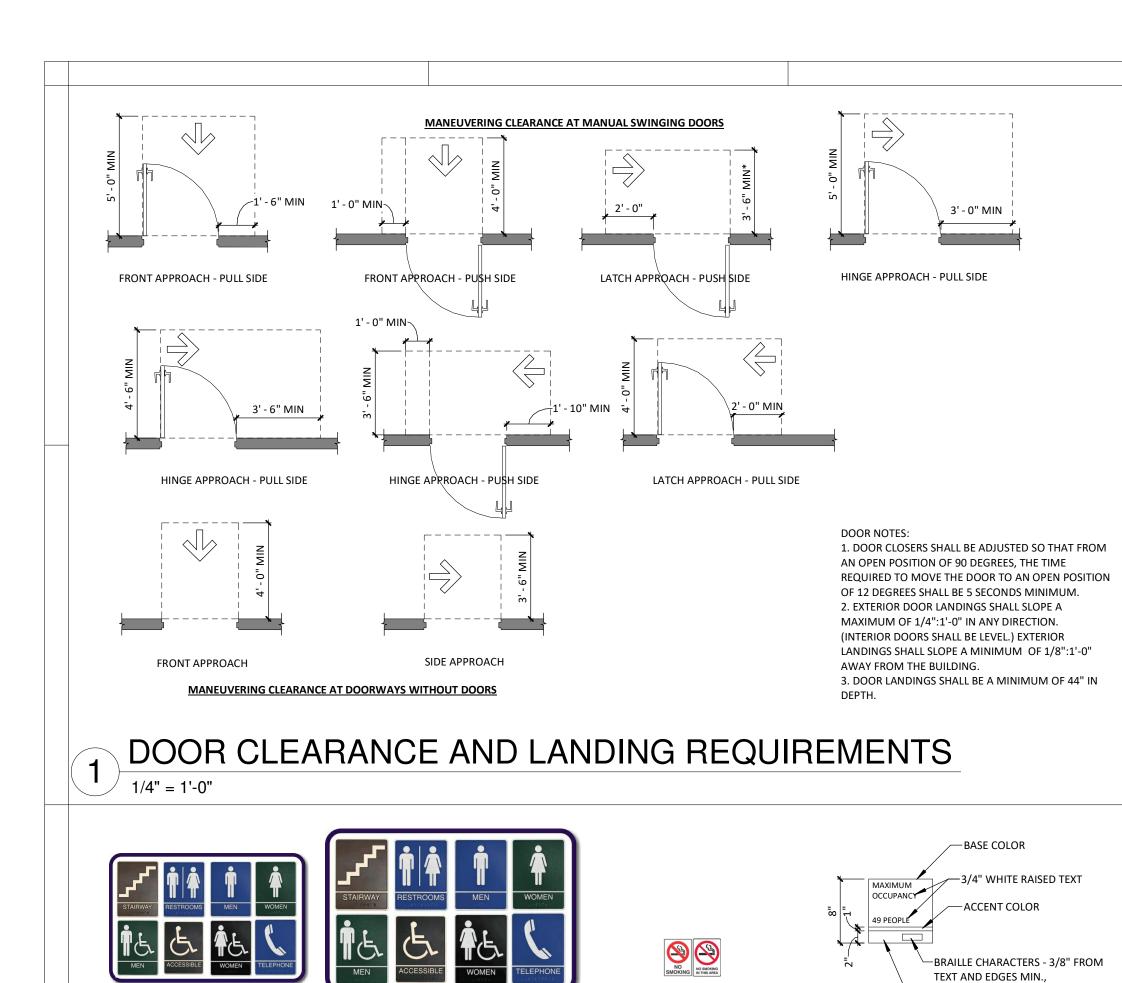
JACKOLA ENGINEERING & ARCHITECTURE, P.C. 2250 HWY 93 SOUTH PO BOX 1134 KALISPELL, MT 59903 TEL: (406) 755-3208 ARCHITECT: MIKE J MYERS, AIA

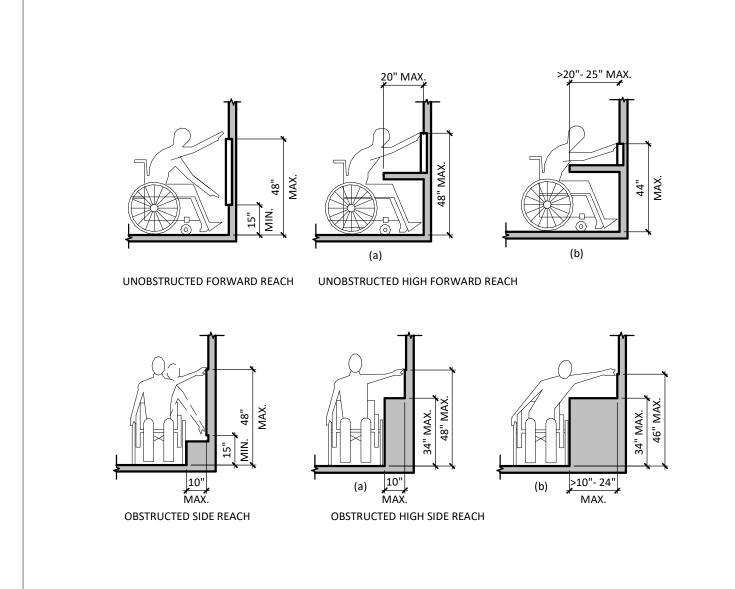
> STRUCTURAL ENGINEER: KEOLA JAMIESON, PE MECHANICAL ENGINEER: TYLER TONJUM, PE

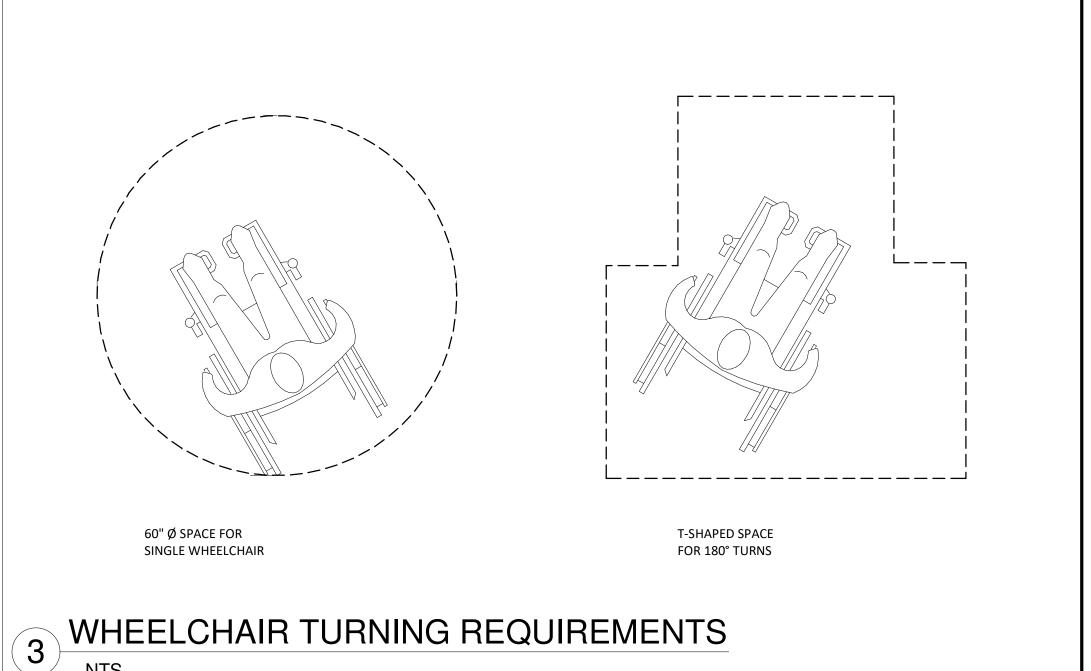
ELECTRICAL ENGINEER: JON RUONAVAARA, PE

BUILDING DEPARTMENT CITY OF BOZEMAN 20 E. OLIVE ST. 1ST FLOOR PO BOX 1230

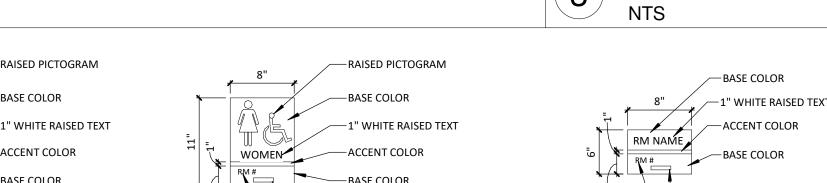
BOZEMAN, MT 59771 EMAIL: PLANNINGTECH@BOZEMAN.NET TEL: (406) 582-2260

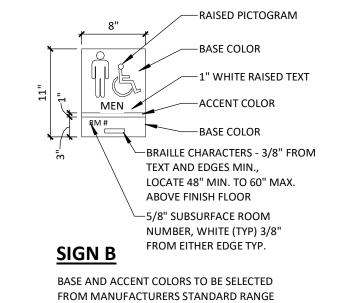












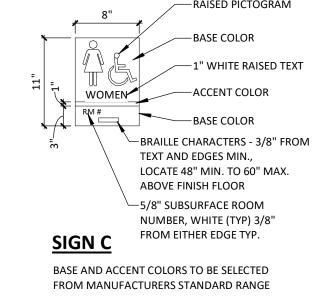
LOCATE 48" MIN. TO 60" MAX.

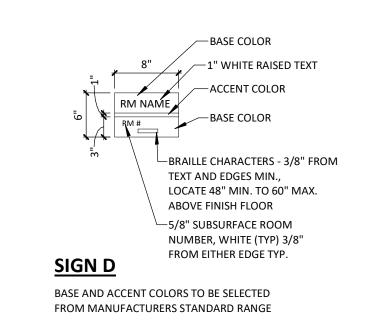
ABOVE FINISH FLOOR

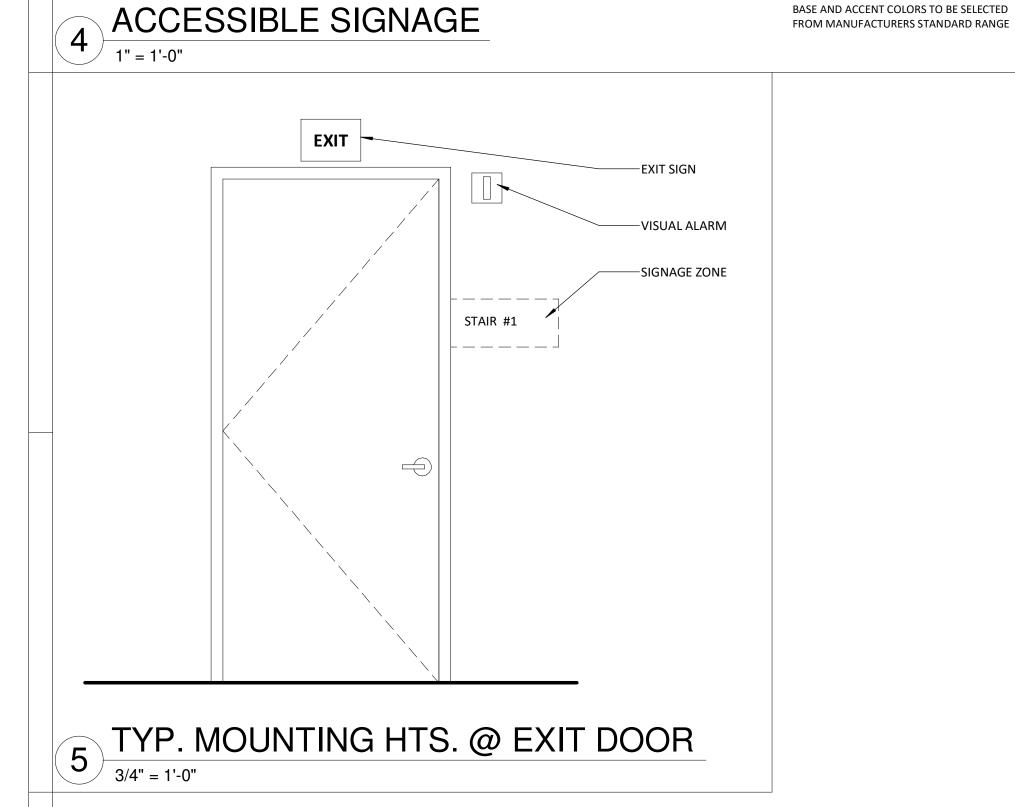
─BASE COLOR

BASE AND ACCENT COLORS TO BE SELECTED

SIGN A









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> **ACCESSIBILITY DETAILS**

G-013

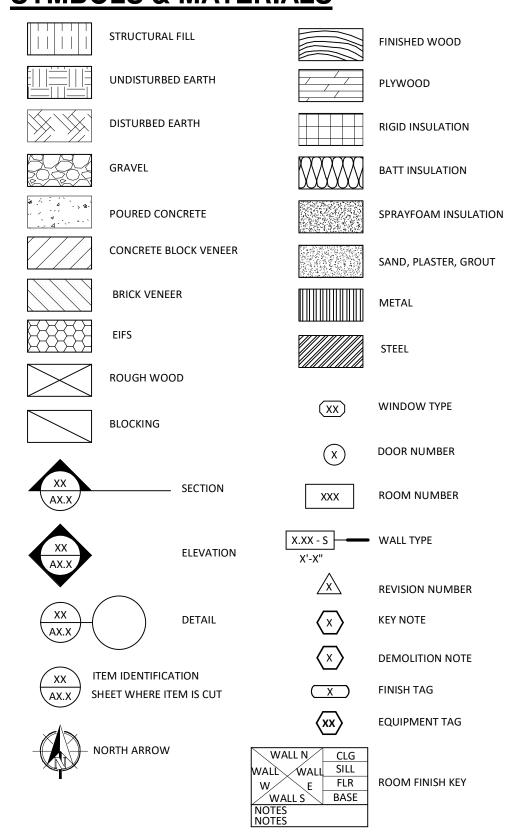
<u>4</u>		FOS	FACE OF STUDS	MATL	MATERIAL
	A DOME FINISH FLOOR	FIN	FINISH	MAX	MAXIMUM
AFF ACT	ABOVE FINISH FLOOR ACOUSTICAL CEILING TILE	FF FEC	FINISH FLOOR FIRE EXTINGUISHER/AND	MECH MTL	MECHANICAL, MECHANICAL ROOM METAL
ADJ	ADJUSTABLE	110	OR CABINET	MIN	MINIMUM
AB	ANCHOR BOLT	FL	FLASHING	MIRR	MIRROR
ALUM	ALUMINUM	FLR	FLOOR	MISC	MISCELLANEOUS
ALT	ALTERNATE	FD	FLOOR DRAIN		
ANOD	ANODIZED	FT	FOOT, FEET		
APPROX	APPROXIMATE	FTG	FOOTING	<u>N</u>	
ARCH	ARCHITECT	FND	FOUNDATION		
		FURN	FURNITURE	NOM	NOMINAL
<u> </u>		FUT	FUTURE	N	NORTH
		FBO	FURNISHED BY OTHERS	NA	NOT APPLICABLE
SMT	BASEMENT	FRP	FIBER REINFORCED PANEL	NIC	NOT IN CONTRACT
BATH	BATHROOM			NTS	NOT TO SCALE
BM BRG	BEAM BEARING			NO	NUMBER
BEDRM	BEDROOM	<u>G</u>			
BET	BETWEEN	GA	GAUGE	<u>o</u>	
LDG	BUILDING	GALV	GALVANIZED	=	
0	BOTTOM OF	GEN	GENERAL	ос	ON CENTER
OT	ВОТТОМ	GL	GLASS	OFCI	OWNER FURNISHED CONTRACTOR
BN	BOUNDARY NAILING	GWB	GYPSUM WALL BOARD		INSTALLED
BS	BOTH SIDES	GYPC	GYPCRETE	OFOI	OWNER FURNISHED OWNER INSTALLED
				OFF	OFFICE
<u> </u>		<u> </u>		OPG	OPENING
				OPP	OPPOSITE
FCI	CONTRACTOR FURNISHED	HALL	HALLWAY	OD	OUTSIDE DIAMETER
·nT	CONTRACTOR INSTALLED	HDW	HARDWARE	OF O/O	OUTSIDE FACE
PT LC	CARPET	HVAC	HEATING, VENTILATING, & AIR CONDITIONING	0/0	OUT TO OUT
CLG CT	CEILING CERAMIC TILE	нт	HEIGHT		
CLR	CLEAR	HM	HOLLOW METAL	<u>P</u>	
CLST	CLOSET	HORIZ	HORIZONTAL	<u> </u>	
COL	COLUMN	HWT	HOT WATER TANK	PNT	PAINT, PAINTED
CONC	CONCRETE	HR	HOUR	PNL	PANEL
CONST	CONSTRUCTION			PH	PHASE
CONT	CONTINUOUS			PLAS	PLASTIC
CONTR	CONTRACT, CONTRACTOR	<u>l</u>		P-LAM	PLASTIC LAMINATE
CORR	CORRIDOR			PL	PLATE
CJ	CONTROL JOINT	IBC	INTERNATIONAL BUILDING CODE	PLYWD	PLYWOOD
CMU	CONCRETE MASONRY UNIT	INCL	INCLUDE, INCLUDED (ING)	PVC	POLYVINYL CHLORIDE
		INFO	INFORMATION	PREFIN	PREFINISHED
		ID INSUL	INSIDE DIAMETER	PROP	PROPERTY
<u>D</u>		INT	INSULATE,INSULATION INTERIOR		
2			INTERIOR	<u>Q</u>	
DEMO	DEMOLISH, DEMOLITION			=	
TL	DETAIL	Ī		QUAN	QUANTITY
NΑ	DIAMETER	_			
MIC	DIMENSION	JAN	JANITOR		
W	DISHWASHER	JC	JANITOR'S CLOSET	<u>R</u>	
ΝV	DIVISION	JT	JOINT		
)L	DEAD LOAD			RAD	RADIUS
R	DOOR			RWL	RAIN WATER LEADER
)N	DOWN	<u>K</u>		REF	REFERENCE DEINIFORCEMENT
)S	DOWNSPOUT	147	KITCHEN	REINF	REINFORCE, REINFORCEMENT
)WG	DRAWING	KIT	KNOCK OUT	RCP	REFLECTED CEILING PLAN
)F)	DRINKING FOUNTAIN DRYER	ко	KNOCK OUT	REQ'D RFI	REQUIRED REQUIEST FOR INFORMATION
,	DNILN			REV	REQUEST FOR INFORMATION REVISION
		<u>L</u>		REV	RISER
<u>.</u>		-		RD	ROOF DRAIN
ΞA	EACH	LBL	LABEL	RM	ROOM
	EAST	LAM	LAMINATED	RO	ROUGH OPENING
LEC	ELECTRIC	LNDRY	LAUNDRY		-
LEV	ELEVATION, ELEVATOR	LAV	LAVATORY	<u>s</u>	
:Q	EQUAL	LVL	LEVEL		
QUIP	EQUIPMENT	LL	LIVE LOAD	SCHED	SCHEDULE
XIST	EXISTING	LR	LIVING ROOM	SEC	SECTION
XP	EXPANSION	LOC'N	LOCATION	SG	SAFETY GLASS
J	EXPANSION JOINT			SHTG	SHEATHING
XT	EXTERIOR	<u>M</u>		SIM	SIMILAR SLAB ON CRADE
		NACE.	MANUEACTURE	SOG	SLAB ON GRADE
		MFR MAS	MANUFACTURER MASONRY	S SPEC	SOUTH SPECIFICATION
O.D.	FACE OF BRICK	MO	MASONRY MASONRY OPENING	SPEC	SQUARE
UB	FACE OF BRICK FACE OF CONCRETE	I WIO	WINDOWN OF FINING	STD	STANDARD
OB OC		1		STL	STEEL
ОС	FACE OF MASONRY	ı			-
ОС	FACE OF MASONRY				STORAGE
	FACE OF MASONRY			STOR STRUCT	STORAGE STRUCTURAL
oc	FACE OF MASONRY			STOR	

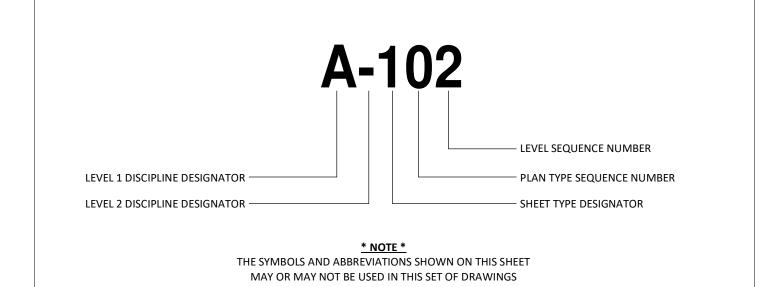
<u>T</u>	
TEAL TEL TV TEMP T&G TOB TOS TOW TOM T	TONGUE AND GROOVE TOP OF BRICK TOP OF SLAB TOP OF WALL
<u>U</u>	
UAS UBC UNO UTIL	UPWARD ACTING SECTIONAL DOOR UNIFORM BUILDING CODE UNLESS NOTED OTHERWISE UTILITY
<u>v</u>	
VB VNR VERT VG VCT	VAPOR BARRIER VENEER VERTICAL VERTICAL GRAIN VINYL COMPOSITION TILE
<u>w</u>	
WSCT WC WIN WP WRB WWF WWM WT W W/	WINDOW WATERPROOF (ING) WEATHER RESISTANT BARRIER WELDED WIRE FABRIC

SYMBOLS USED AS **ABBREVIATIONS**

l & AND L ANGLE つ AT CENTERLINE CHANNE! CHANNEL DIAMETER

SYMBOLS & MATERIALS

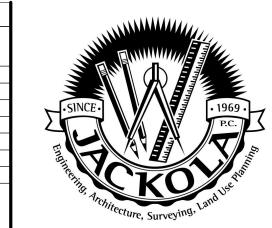




ARCHITECTURAL SHEET INDEX

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AD121	DEMO CLASSROOM REFLECTED CEILING PLAN
A-111	CLASSROOM FLOOR PLAN

A-121 CLASSROOM REFLECTED CEILING PLAN
A-131 CLASSROOM FINISH PLAN A-211 INTERIOR ELEVATIONS



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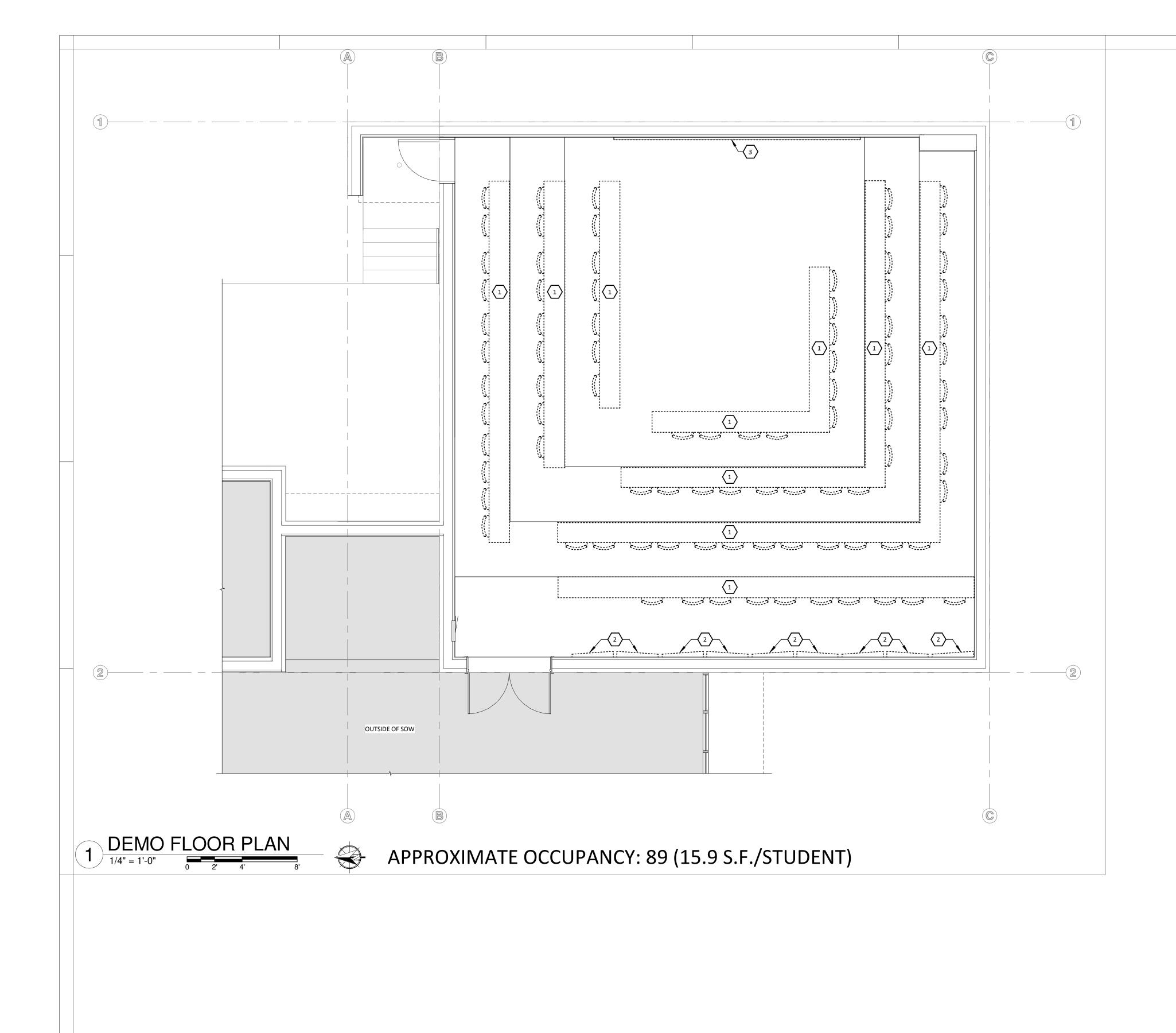
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ARCHITECTURAL NOTES



CLASSROOM DEMO KEYNOTES

- 1 REMOVE FIXED TABLES AND CHAIRS, TYP. DELIVER TO OWNER'S STORAGE ON CAMPUS
- 2 REMOVE ACOUSTIC PANELS, RECYCLE WHERE POSSIBLE, DISPOSE OTHERWISE
- OTHERWISE

 3 REMOVE WHITE BOARD AND PROJECTOR SCREEN, DELIVER TO OWNER'S STORAGE ON CAMPUS



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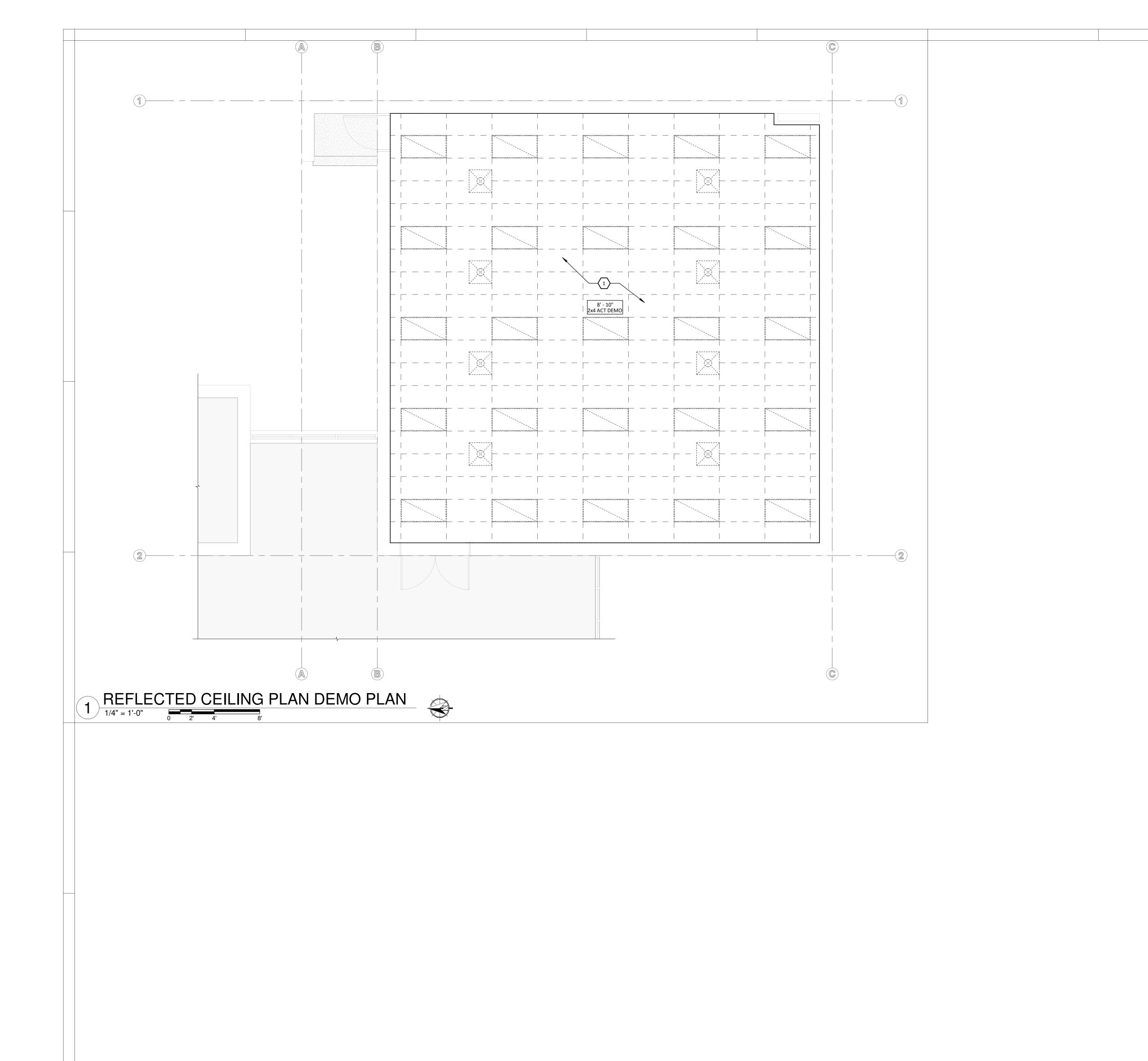
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DEMO CLASSROOM FLOOR PLAN

AD101



RCP DEMO KEYNOTES

DEMO ALL EXISTING ACT AND GRID

DEMO CEILING PLAN LEGEND

(2X4)
ACOUSTIC CEILING TILE



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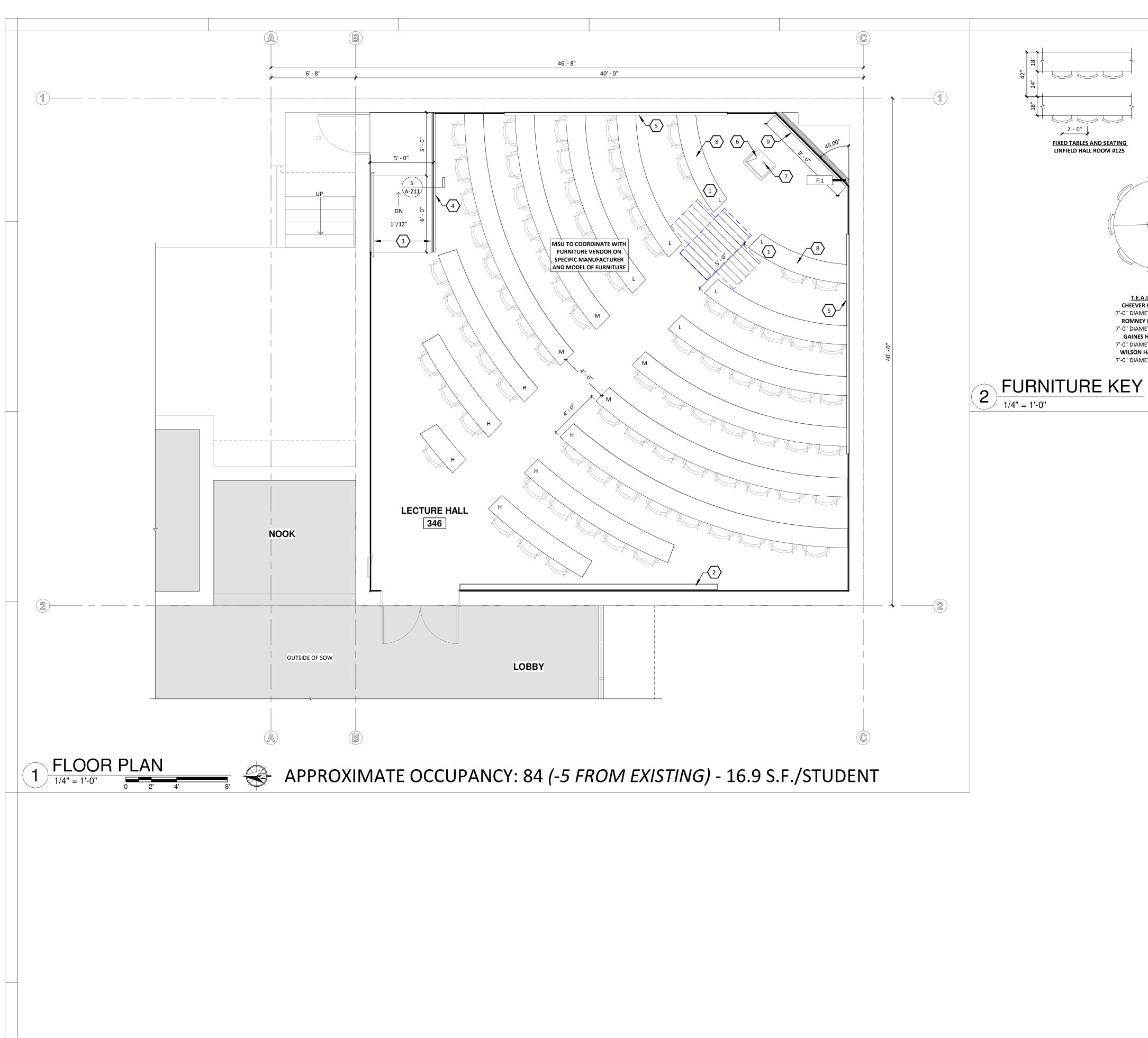
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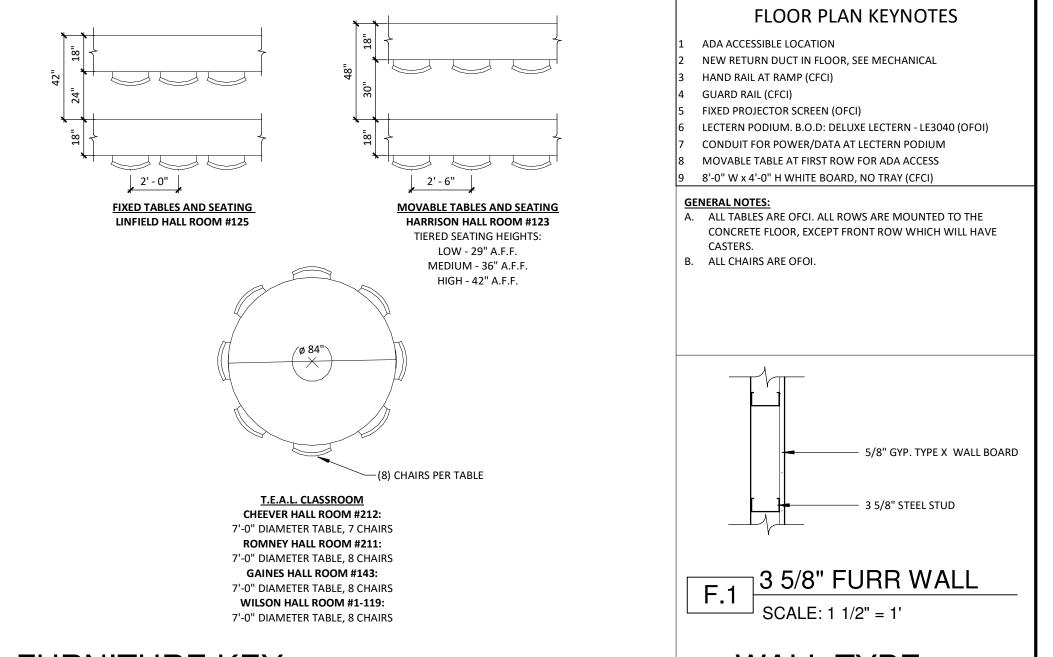
DATE: 11/19/2024

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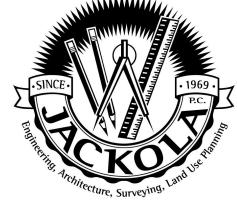
DEMO CLASSROOM REFLECTED CEILING PLAN

AD121

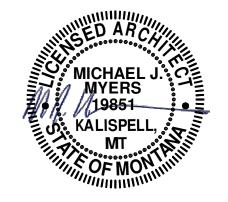








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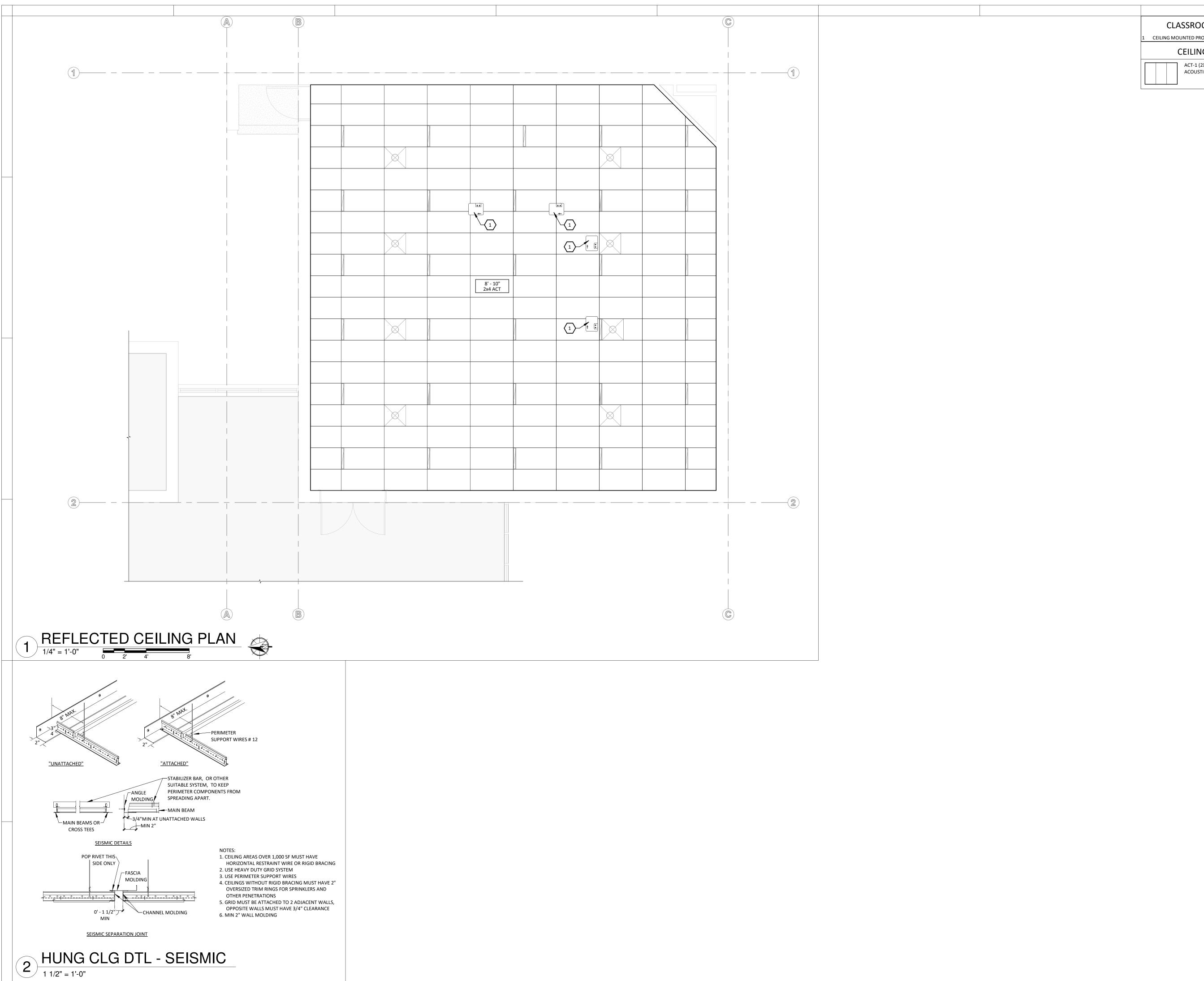
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CLASSROOM FLOOR PLAN

A-111



CLASSROOM RCP KEYNOTES CEILING MOUNTED PROJECTOR (OFOI)

CEILING PLAN LEGEND

ACT-1 (2X4)
ACOUSTIC CEILING TILE



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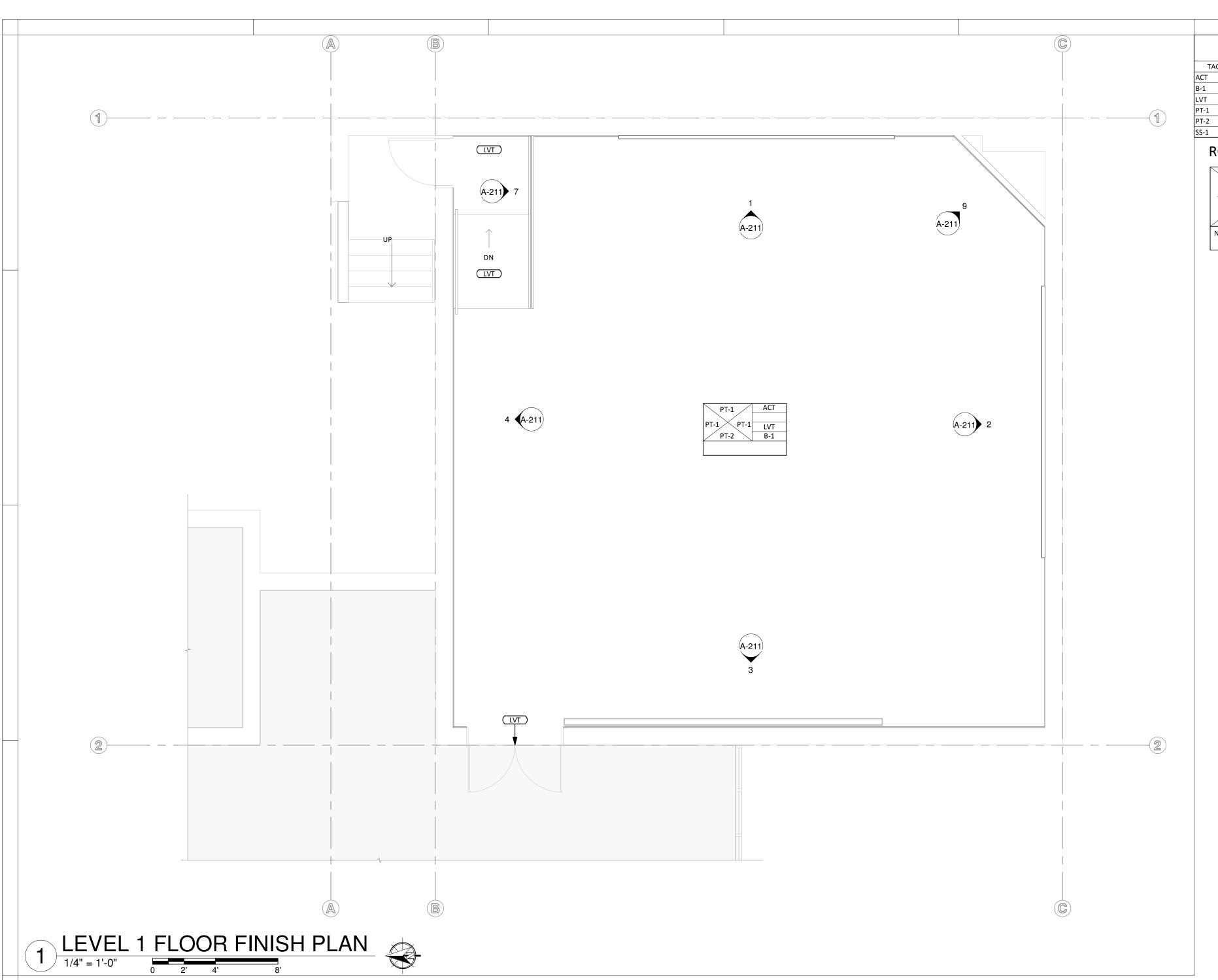
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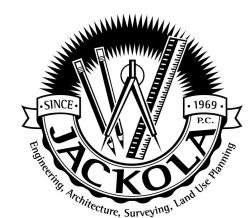
CLASSROOM REFLECTED **CEILING PLAN**



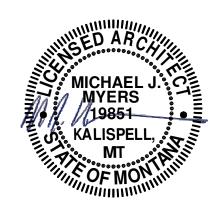
			FINISH S	SCHEDULE	
TAG	KEY	COLOR	MANUFACTURER	STYLE	NOTE
ACT	ACOUSTICAL CEILING TILES	WHITE	ARMSTRONG	CIRRUS 584	ANGLED TEGULAR EDGE
B-1	6" RUBBER BASE	BLACK	JOHNSONITE	DURACOVE 6"	THERMOPLASTIC RUBBER 1/8"
LVT	LUXURY VINYL TILE	IMPLY 43518	SHAW	DIALOGUE	BRICK INSTALLATION METHOD
PT-1	PAINT	SW 7650 ELLIE GRAY	SHERWIN WILLIAMS	EGGSHELL	
PT-2	PAINT	SW 7602 INDIGO BATIK	SHERWIN WILLIAMS	EGGSHELL	ACCENT WALL
SS-1	SOLID SURFACE	DEEP STORM	CORIAN		CHAIR RAIL (9 5/8" H X 1/2" D)

ROOM FINISH KEY

WALL	CEILING
	SILL
WALL WALL	FLOOR
WALL	BASE
NOTES	



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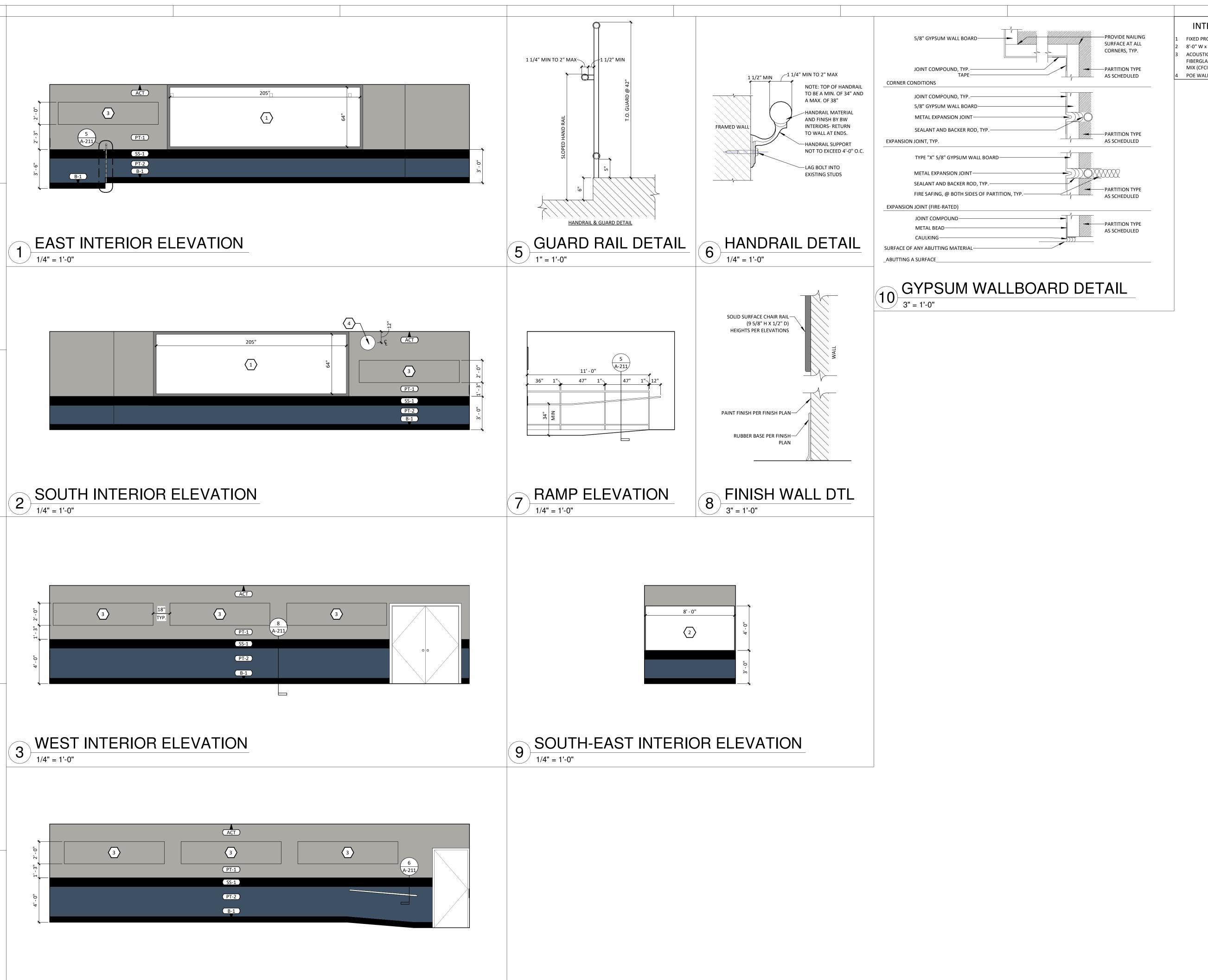
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REVISIONS:

CLASSROOM FINISH PLAN

A-131



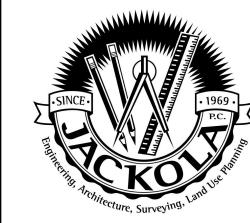
4 NORTH INTERIOR ELEVATION

1/4" = 1'-0"

INTERIOR ELEVATION KEYNOTES

FIXED PROJECTOR SCREEN, DUAL CONTENT (OFCI) 8'-0" W x 4'-0" H WHITE BOARD, NO TRAY (CFCI) ACOUSTIC WALL PANEL. B.O.D: ARMSTRONG SOUNDSOAK 85 FIBERGLASS, 24" x 108", 1" THICK, 0.80 NRC, COLOR; FR-701 GREY

POE WALL CLOCK (OFCI)



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REVISIONS:

INTERIOR ELEVATIONS

A-211

ABBREVIATIONS

EIFS

EMBED EOS

EQUIP

F.O.B. F.O.C.

F.O.M.

EOR

EACH

EAST

EXISTING

EACH FACE

SYSTEMS

ELECTRIC

EDGE/END NAIL

EMBEDMENT

EDGE OF SLAB

EQUIPMENT

EACH WAY

EXISTING

EXTERIOR

EXPANSION

EXCAVATION

FACE OF BRICK

FACE OF CONCRETE

FACE OF MASONRY

EXPANSION JOINT

ELEVATION, ELEVATOR

EXTERIOR INSULATION FINISHING

DOWNSPOUT

DRAWING

ADDN	LVIATIONS						
٨		F.O.S.	FACE OF STUDS	MATL	MATERIAL	CTRLICT	STRUCTURAL
<u>A</u>		FIN	FINISH	MAX	MAXIMUM	STRUCT	
AFF	ABOVE FINISH FLOOR	FF	FINISH FLOOR	MECH	MECHANICAL, MECHANICAL ROOM	SF	SQUARE FEET
ACT	ACOUSTICAL CEILING TILE	FL	FLASHING	MIN	MINIMUM	SUSP	SUSPENDED
					MISCELLANEOUS	SQ	SQUARE
ADJ	ADJUSTABLE	FLR	FLOOR	MISC	IVIISCELLANEOUS	SW	SHEAR WALL
AB	ANCHOR BOLT	FN	FIELD NAILING			SYMM	SYMMETRY, SYMMETRICAL
ALUM	ALUMINUM	FD	FLOOR DRAIN				
ALT	ALTERNATE	FT	FOOT, FEET	<u>N</u>		<u>T</u>	
ANOD	ANODIZED	FTG	FOOTING				
APPROX	APPROXIMATE	FDN	FOUNDATION	N	NORTH	TBD	TO BE DETERMINED/DESIGNED
ARCH	ARCHITECT	FUT	FUTURE	(N)	NEW	TBU	TO BE UPDATED
AVG	AVERAGE	FBO	FURNISHED BY OTHERS	NA	NOT APPLICABLE	TEL	TELEPHONE
		FRP	FIBER REINFORCED PANEL	NIC	NOT IN CONTRACT	TEMP	TEMPERED, TEMPORARY
<u>B</u>		FS	FAR SIDE	NTS	NOT TO SCALE	T&B	TOP AND BOTTOM
				NO	NUMBER	T&G	TONGUE AND GROOVE
BSMT	BASEMENT			NOM	NOMINAL	THK	THICK
ВМ	BEAM	<u>G</u>		NS	NEAR SIDE	THRU	THROUGH
BRG	BEARING	_		NWC	NORMAL WEIGHT CONCRETE	T.O.	TOP OF
BET	BETWEEN	GA	GAUGE			T.O.B.	TOP OF BRICK
BLDG	BUILDING	GALV	GALVANIZED			T.O.C.	TOP OF CONCRETE
BLKG	BLOCKING	GEN	GENERAL	<u>o</u>		T.O.S.	TOP OF SLAB
B.O.	BOTTOM OF	GL	GLASS	_			TOP OF SEAD
ВОТ	BOTTOM	G/L, GLM	GLULAM BEAM/COLUMN	ос	ON CENTER	T.O.W.	TOP OF WALL TOP OF MASONRY
BN	BOUNDARY NAILING	GWB	GYPSUM WALL BOARD	OFF	OFFICE	T.O.M.	
BS	BOTH SIDES	GYPC	GYPCRETE	OPG	OPENING	T	TREAD
ВЗ	BOTH SIDES	GIPC	GIPCREIE	OPG	OPPOSITE	TYP	TYPICAL
					OUTSIDE DIAMETER		
•				OD		<u>U</u>	
<u>C</u>		<u>H</u>		OF 0.40	OUTSIDE FACE		
				0/0	OUT TO OUT	UBC	UNIFORM BUILDING CODE
CIP	CAST-IN-PLACE	HALL	HALLWAY	OSB	ORIENTED STRAND BOARD	UNO	UNLESS NOTED OTHERWISE
CLG	CEILING	HD	HOLDOWN, HOLD-DOWN			UTIL	UTILITY
CLR	CLEAR	HDR	HEADER				
CLT	CROSS LAMINATED TIMBER	HDW	HARDWARE	<u>P</u>		<u>v</u>	
COL	COLUMN	HVAC	HEATING, VENTILATING, & AIR				
CONC	CONCRETE		CONDITIONING	PERP	PERPENDICULAR	VB	VAPOR BARRIER
CONN	CONNECTION	HT	HEIGHT	PNT	PAINT, PAINTED	VNR	VENEER
CONST	CONSTRUCTION	HM	HOLLOW METAL	PNL	PANEL	VERT	VERTICAL
CONT	CONTINUOUS	HORIZ	HORIZONTAL	PH	PHASE	VCT	VINYL COMPOSITION TILE
CONTR	CONTRACT, CONTRACTOR	HR	HOUR	PIJ	PERIMETER ISOLATION JOINT	VIF	VERIFY IN FIELD
CORR	CORRIDOR	HSS	HOLLOW STRUCTURAL SECTION	PLAS	PLASTIC		
CJ	CONTROL JOINT			PL	PLATE	<u>w</u>	
CMU	CONCRETE MASONRY UNIT			PLF	POUNDS PER LINEAR FOOT	_	
		<u>l</u>		PSF	POUNDS PER SQUARE FOOT	WF	WIDE FLANGE
		_		PSI	POUNDS PER SQUARE INCH	WD	WOOD
		IBC	INTERNATIONAL BUILDING CODE	PSL	PARALLEL STRAND LUMBER	WIN	WINDOW
<u>D</u>		ICC	INTERNATIONAL CODE COUNCIL	PLYWD	PLYWOOD	WP	WATERPROOF (ING)
		INCL	INCLUDE, INCLUDED (ING)	PVC	POLYVINYL CHLORIDE	WRB	WEATHER RESISTANT BARRIER
DBL	DOUBLE	INFO	INFORMATION	PREFIN	PREFINISHED	WWF	WELDED WIRE FABRIC
DBL TP	DOUBLE TOP PLATE	ID	INSIDE DIAMETER	PROP	PROPERTY	WWM	WELDED WIRE MESH
DEG	DEGREE	L L	ISOLATION JOINT	PT	PRESSURE TREATED	WT	WEIGHT
DEMO	DEMOLISH, DEMOLITION	INSUL	INSULATE, INSULATION			W	WEST, WASHER
DTL	DETAIL	INT	INTERIOR				WITH
DIA	DIAMETER			Q		W/ W/O	WITHOUT
DIM	DIMENSION			=		VV/U	VVIIIIOOI
DIST	DISTANCE	1		QUAN	QUANTITY		
DF/L	DOUGLAS/FIR LARCH	Ī		QUAN	QUANTITI		
DIV	DIVISION	ICT	IOIST(S)			CVM	
	DEAD LOAD	JST JT	JOIST(S) JOINT			J 11	<u>IBOLS USED AS</u>
DL		11	JOHNI	<u>R</u>			
DR	DOOR			DAD	DADILIC	ABE	BREVIATIONS
DN	DOWNSDOLIT	,		RAD	RADIUS		

KNOCK OUT

POUND(S)

LAMINATED

LAVATORY

LIVE LOAD

LOCATION

LAMINATED VENEER LUMBER

LAMINATED STRAND LUMBER

MECHANICAL, ELECTRICAL, AND

LIGHT WEIGHT CONCRETE

PLUMBING DOCUMENTS

MANUFACTURER

MASONRY OPENING

MASONRY

LABEL

LBL

LAM

LAV

LOC'N

LWC

MAS

REB REF

REINF

RCP

REV

RD

SEC

SIM

SOG

SPEC

SQ

STD

STL

SHTG

REQ'D

REFERENCE

REQUIRED

REVISION

ROOM

SECTION

SIMILAR

SOUTH

SIMPSON

SQUARE

STAGGERED

STANDARD

STEEL

STOR STORAGE

SHEATHING

SLAB ON GRADE

SPECIFICATION

SCHED SCHEDULE

ROOF DRAIN

ROUGH OPENING

REINFORCE, REINFORCEMENT

REQUEST FOR INFORMATION

DOUBLE ANGLE

CENTERLINE

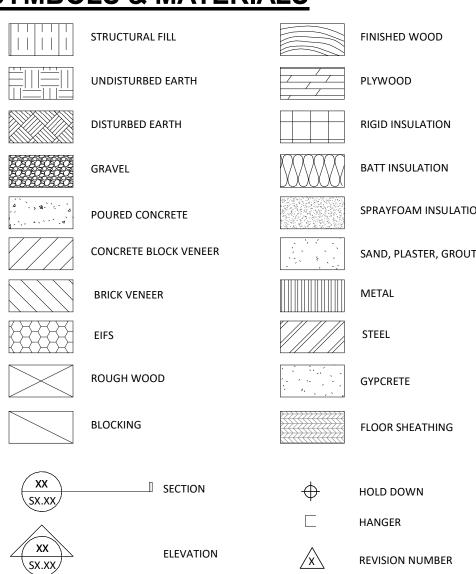
CHANNEL DIAMETER

NUMBER

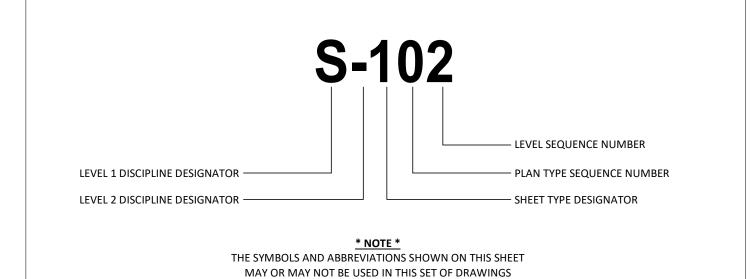
REFLECTED CEILING PLAN

REBAR

SYMBOLS & MATERIALS



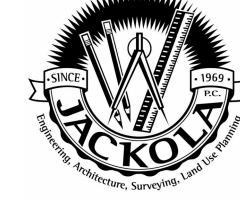
SPRAYFOAM INSULATION SAND, PLASTER, GROUT XX SX.XX KEY NOTE **DEMOLITION NOTE** XX ITEM IDENTIFICATION SX.XX SHEET WHERE FOUND NORTH ARROW



STRUCTURAL SHEET INDEX

S-001 S-002

STRUCTURAL TITLE SHEET STRUCTURAL NOTES FRAMING PLAN



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STRUCTURAL TITLE SHEET

	CONCRETE PROTEC	TION FOR REIN	IFORCEN	IENT		
	CAST-IN-PLACE	CONCRETE (NON-PRESTRES	SSED)			
	DESCRIPTION			MINIMUM COVER (IN)		
CONCRETE CAST AGAI	NST & PERMANENTLY EXPOSED TO E	ARTH		3		
CONCRETE EXPOSED T	O EARTH OR WEATHER:					
No. 6 THRU No.	18 BAR			2		
No. 5 BAR, W31	OR D31 WIRE AND SMALLER			1-1/2		
CONCRETE NOT EXPOS	SED TO WEATHER OR IN CONTACT W	ITH THE GROUND:				
SLABS, WALLS,	AND JOISTS:					
No. 14 Al	ND No. 18 BAR			1-1/2		
No. 11 BA	AR AND SMALLER			3/4		
CONCRETE TILT-UP PA	NELS CAST AGAINST A RIGID HORIZO	NTAL SURFACE				
SUCH AS A CONCRETE	SLAB EXPOSED TO THE WEATHER:					
No. 8 BAR AND	SMALLER			1		
No. 9 THRU No.	18 BAR			2		
	28 DAY COMPRESSIVE STRENGTH	SLUMP (IN) MAX/MIN	MAX W/C RA	TIO AIR CONTENT	(%)	
FOOTINGS	3000 PSI	5/3	.5	6 +/- 1.5%		
FOUNDATION WALLS	3000 PSI	5/3	.5	6 +/- 1.5%		
INTERIOR SLAB	4000 PSI	5/3	.45	3 MAX		
EXTERIOR SLAB	4500 PSI	5/3	.45	6 +/- 1.5%		

NOTE: SLABS WITH SUPER PLASTICIZER SHALL HAVE A MAXIMUM SLUMP OF 6 1/2".

SUBMITTALS

SUBMITTALS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD (EOR) FOR REVIEW. ALLOW 7-14 DAYS FOR REVIEW BY THE EOR.

SUBMIT MIX DESIGNS FOR: CAST-IN-PLACE CONCRETE

LIST OF SUBMITTALS

SOILS AND FOUNDATIONS

A. CONSTRUCTION MATERIALS: VAPOR BARRIER:

a. 10 MIL WR MEADOWS PERMIATOR, STEGO INDUSTRIES STEGO WRAP CLASS A OR APPROVED EQUAL.

ALL SEAMS SHALL BE OVERLAPPED & SEALED WITH MANUFACTURER APPROVED TAPE. ALL PROTRUSIONS & PENETRATIONS SHALL BE SEALED. HOLES SHALL BE REPAIRED.

SEAL THE VAPOR BARRIER TO THE VERTICAL FACE OF THE STEM WALL WITH THE MANUFACTURER

RECOMMENDED ATTACHMENT DETAIL. INSTALLATION SHALL MEET ASTM E 1643-C STANDARD PRACTICE FOR INSTALLATION OF VAPOR RETARDER USED

IN CONTACT WITH EARTH OR FILL UNDER CONCRETE SLAB. SUBSTITUTIONS SHALL BE SUBMITTED FOR APPROVAL.

FOUNDATION & SLAB INSULATION: a. USE DOW CHEMICAL BUILDING PRODUCT OR APPROVED EQUAL

HORIZONTAL INSULATION STYROFOAM BRAND EXTRUDED POLYSTYRENE FOAM SQUARE EDGE INSULATION W/ MIN

INTERIOR SLAB PREPARATION:

THE UPPER 2 INCHES OF CRUSHED ROCK MAY BE SUBSTITUTED FOR 3/4-INCH MINUS CRUSHED ROCK FOR

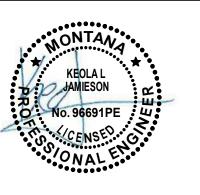
THE SLAB-ON GRADE BASE COURSE SHOULD BE COMPACTED USING VIBRATORY COMPACTION METHODS UNTIL WELL KEYED.

SOILS & GEOTECHNICAL NOTES

1" = 1'-0"

COMPRESSIVE STRENGTH OF 25 PSI. SLAB PREPARATION: A. A LAYER OF OPEN-GRADED ANGULAR CRUSHED ROCK TO BE INSTALLED BENEATH THE SLAB WHERE SHOWN.

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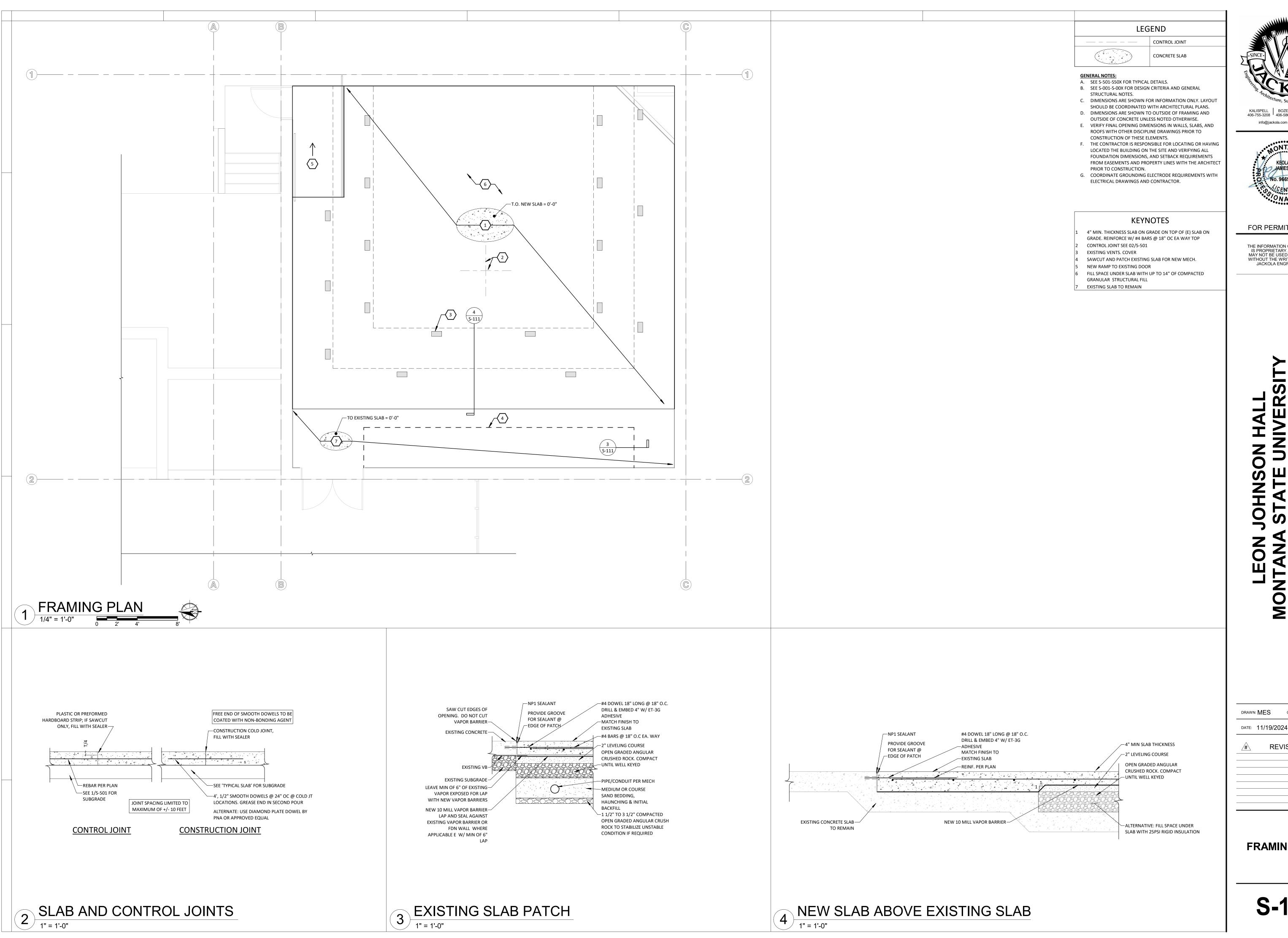
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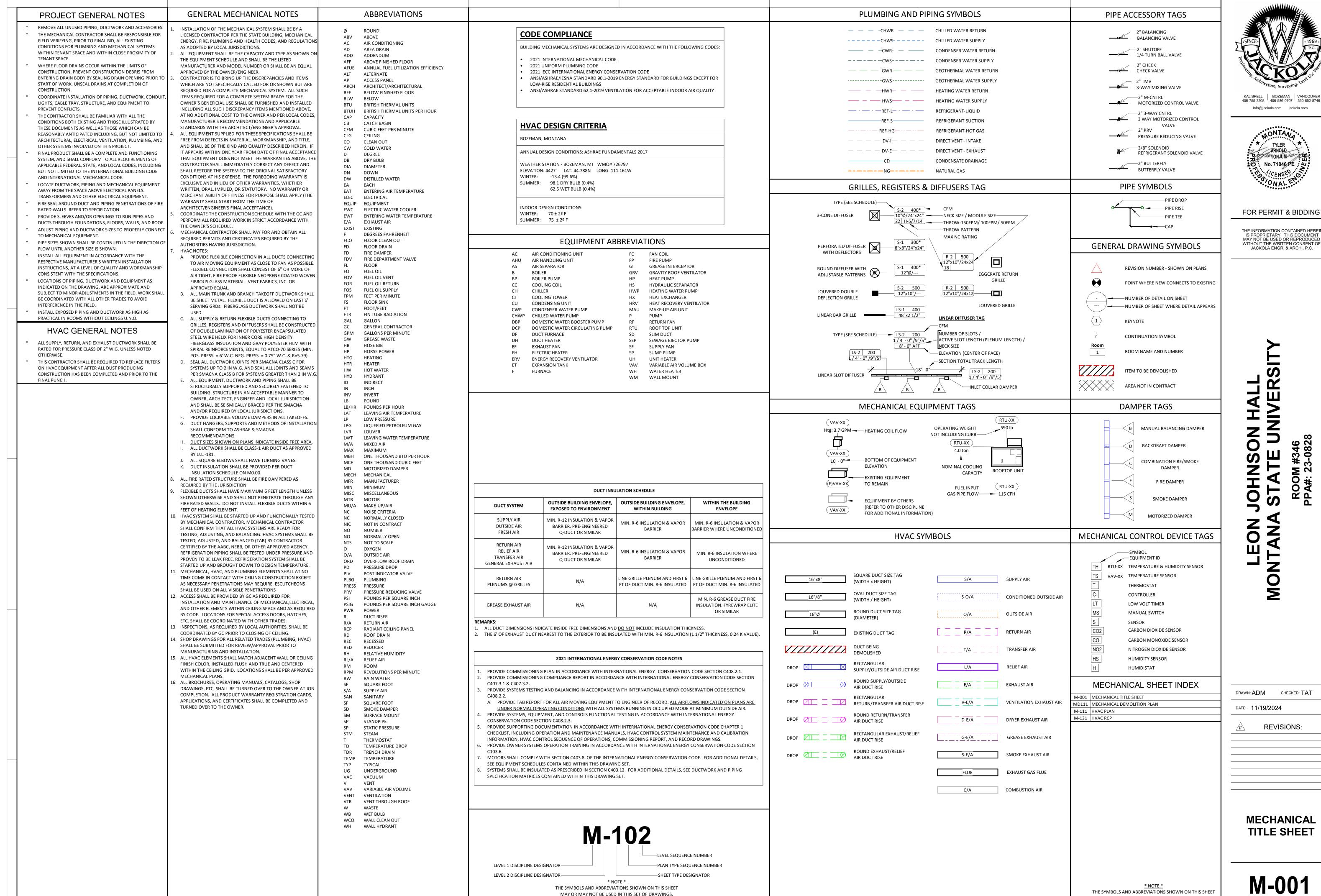
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FRAMING PLAN

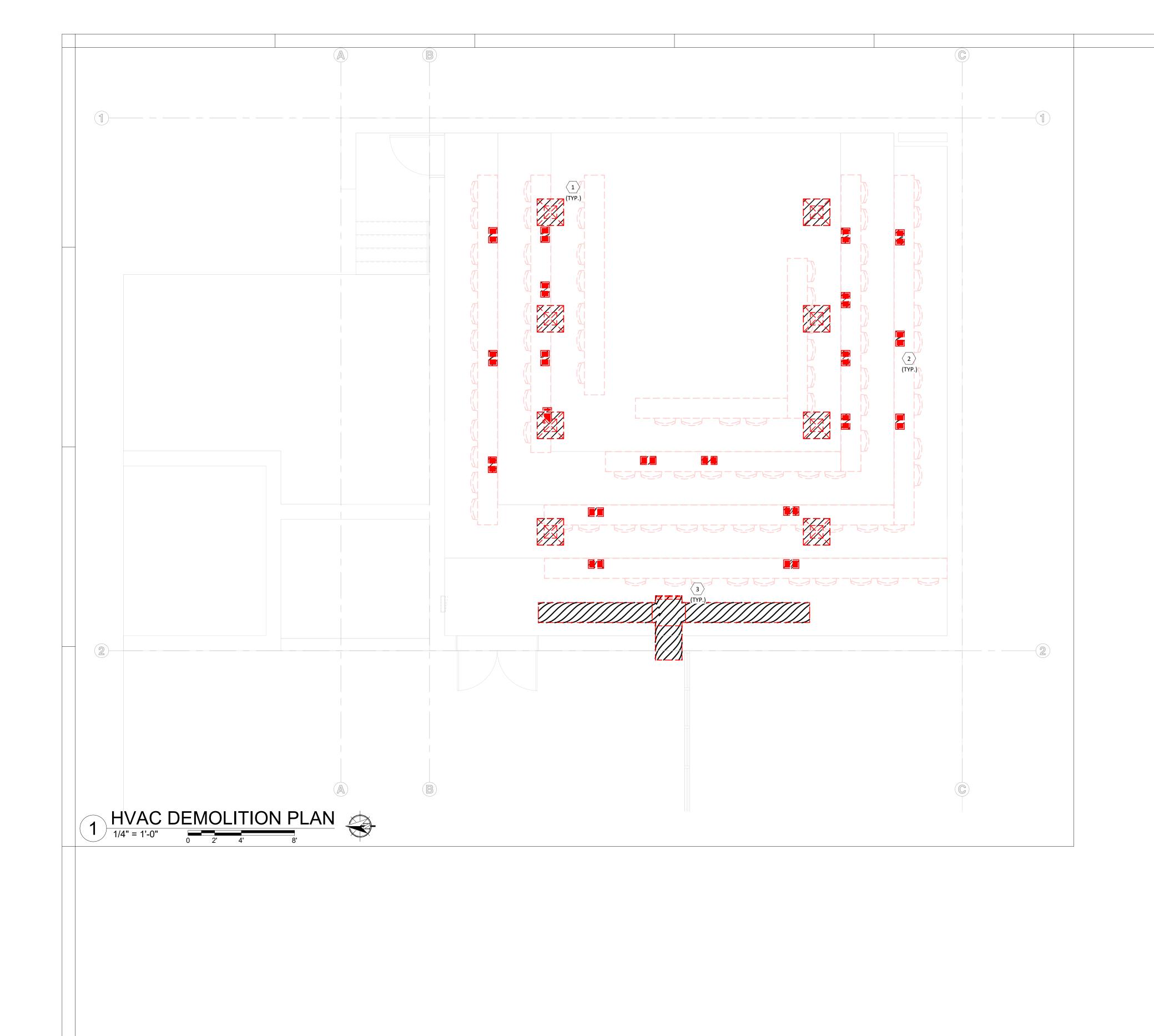


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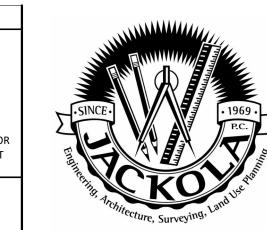
THE INFORMATION CONTAINED HEREIN

MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

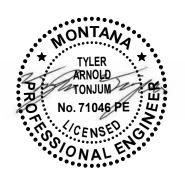


- DEMOLISH EXISTING DIFFUSERS AND PREP FLEXIBLE DUCT FOR CONNECTION TO NEW AIR OUTLET.
- 2 CAP EXISTING RETUN DIFFUSERS IN THE FLOOR IN PREARATION FOR COVERING WITH CONCRETE. ABANDON IN PLACE.

 3 REMOVE EXISTING DUCT IN THIS LOCATION IN PREPARATION FOR NEW DUCT BELOW SLAB. CAP EXISTING NOT DEMOLISHED DUCT AND ABANDON IN PLACE.



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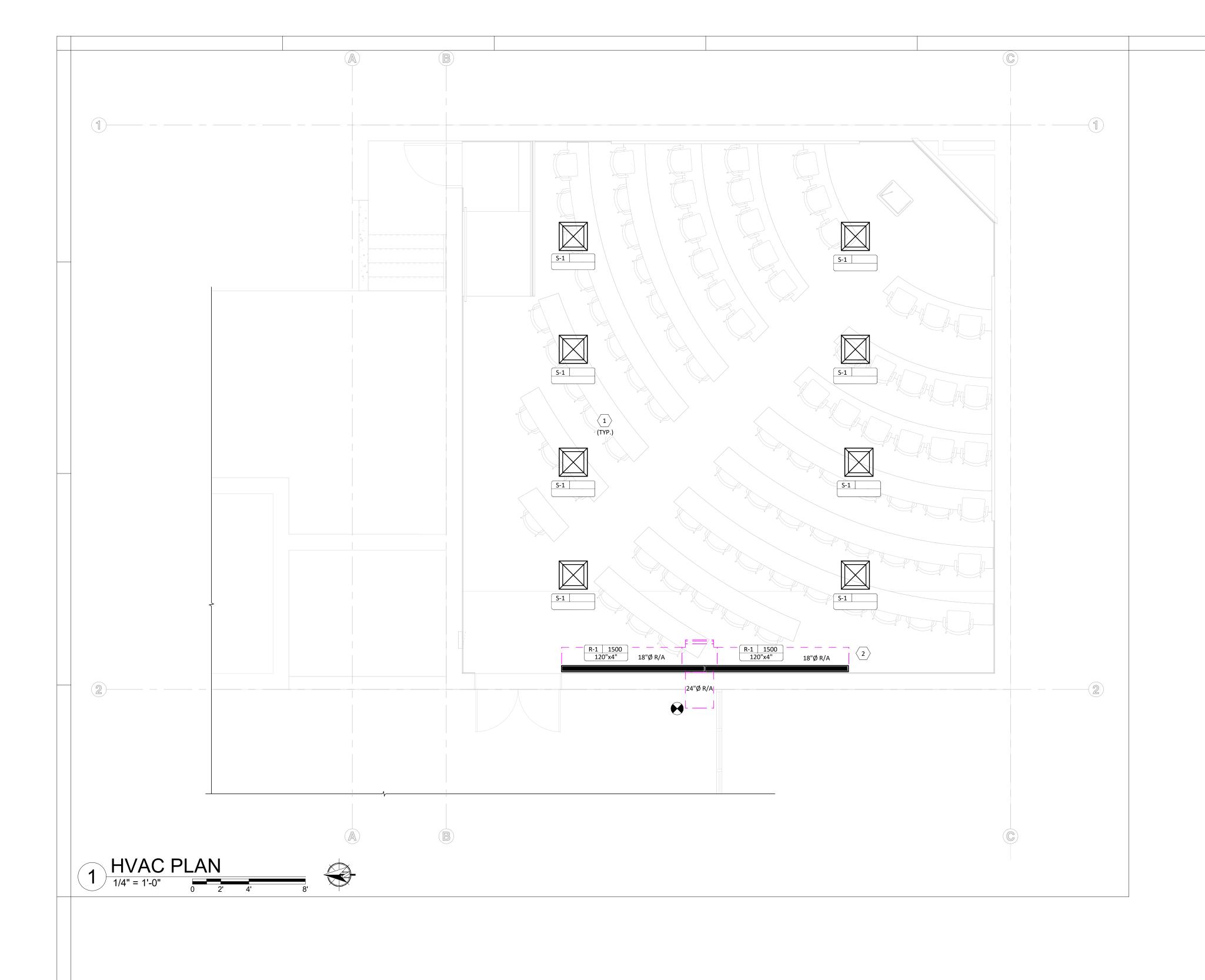
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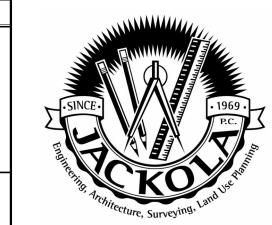
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MECHANICAL DEMOLITION PLAN

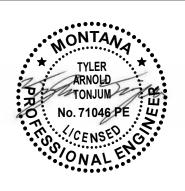
MD111



- 1 COORDINATE DIFFUSERS WITH ACT AND REUSE FLEX DUCT AND DUCTWORK WHERE POSSIBLE.
- 2 NEW RETURN DUCT IN FLOOR TO BE REPLACED WITH NEW BLUE DUCT, OR EQUAL, UNDERGROUND DUCT OR EQUVALENT AND ROUTED UP TO NEW FLOOR GRILLE. ROUTE DUCT AS CLOSE AS POSSIBLE TO WALL AND UP TO RETURN GRILLE WITH MANUFACTURER BOOT.



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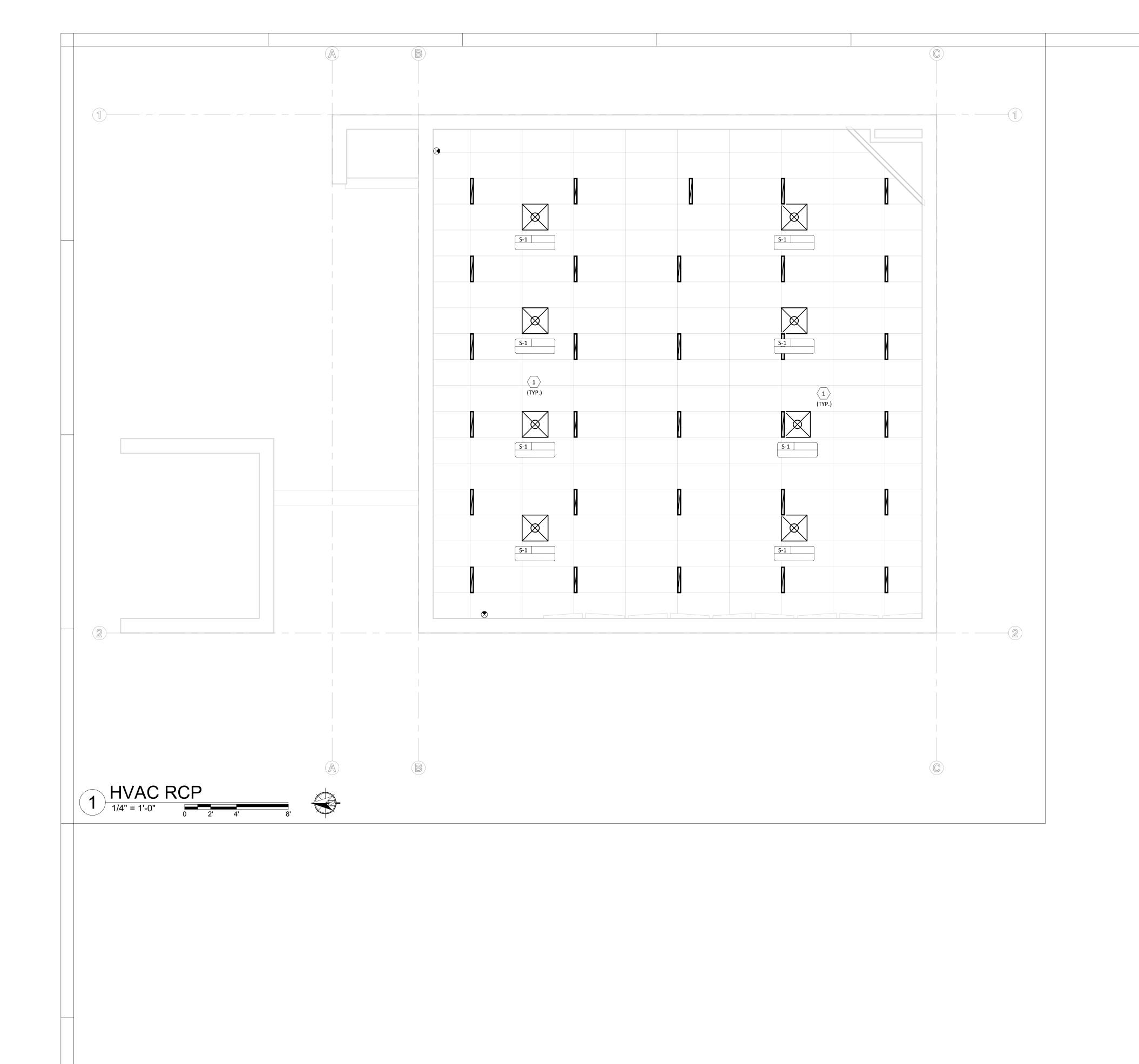
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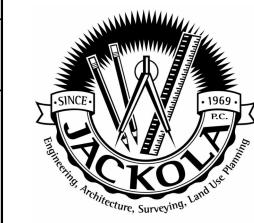
HVAC PLAN

M-111

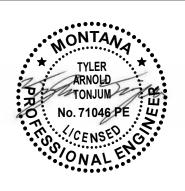
		INTERIOR AIR IN	LETS & OU	TLETS SCH	EDULE			
		BASIS OF D	BASIS OF DESIGN			INSTALLATION		
TAG	DESCRIPTION	MANUFACTURER	MODEL NO.	FINISH	FACE SIZE	BORDER TYPE	DAMPER	REMARKS
R-1	LINEAR BAR GRILLE	Titus	CT-PP-0	WHITE ENAMEL		TYPE 1		
R-1	LINEAR BAR GRILLE	Titus	CT-PP-0	WHITE ENAMEL		TYPE 1		
S-1L	PLAQUE FACE DIFFUSER	TITUS	OMNI	WHITE ENAMEL	24"x24"	TYPE 3 (LAY-IN)		1



NEW DIFFUSERS TO MATCH EXISTING SIZE AND AIRFLOW.
 CORRDINATE WITH NEW ACT.



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HVAC RCP

M-131

STAINLESS STEEL

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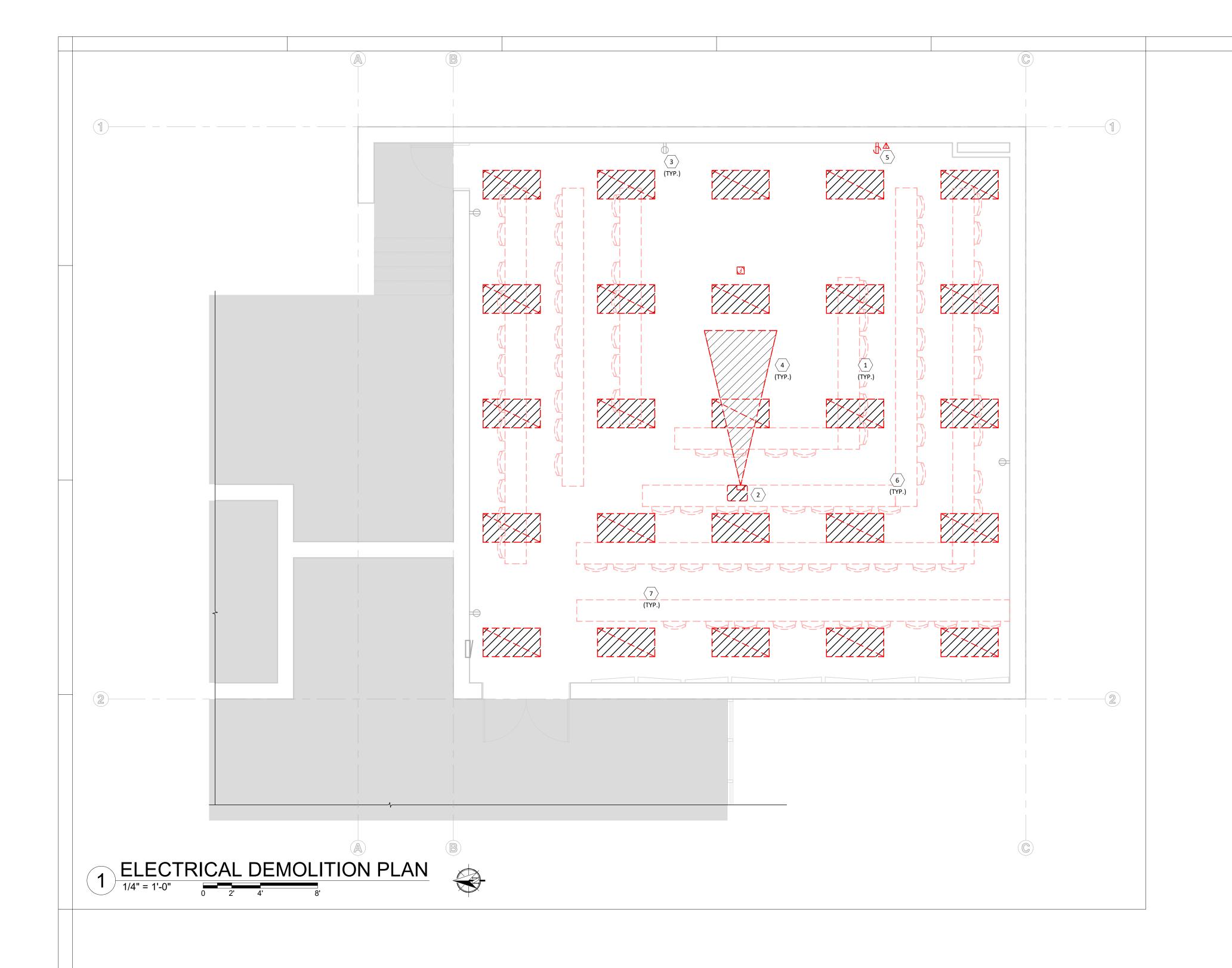
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ELECTRICAL TITLE SHEET



DEMOLITION GENERAL NOTES

- SAVE CIRCUITS FOR 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

- DEMOLISH ALL TROFFER LIGHT FIXTURES IN ROOM. SAFE OFF EXISTING CIRCUITING FOR RECONNECTION OF NEW FIXTURES, SEE KEYNOTE 1/E-111.
- DEMOLISH EXISTING PROJECTOR. REMOVE WIRING BACK TO NEAREST JUNCTION BOX.
- UNLESS NOTED OTHERWISE, REPLACE HALFTONED EXISTING RECEPTACLE AND PHONE DATA DEVICES AND COVERS. REUSE EXISTING BOXES, CONDUIT, AND WIRING. SEE KEYNOTE 4/E-121.
- DEMOLISH DEVICE, WIRING, AND RACEWAY WHERE SHOWN IN DASHED BOLD. DEMOLISH EXISTING SURFACE RACEWAY, POWER, AND DATA
- DATA TO NEW LECTURN, SEE KEYNOTE 2/E-121. REINSTALL ALL DEVICES AFTER NEW CEILING IS REPLACED, SEE DIVISION OF RESPONSIBITY.
- FLOOR HEIGHT INCREASED, SEE A-301. COORDINATE ALL DEVICES AND CONDUIT WITH INCREASE IN FLOOR HEIGHT. EXTEND/RELOCATE DEVICES AS REQUIRED.

WIRING BACK TO NEAREST ACCESSABLE JUNCTION BOX. REROUTE



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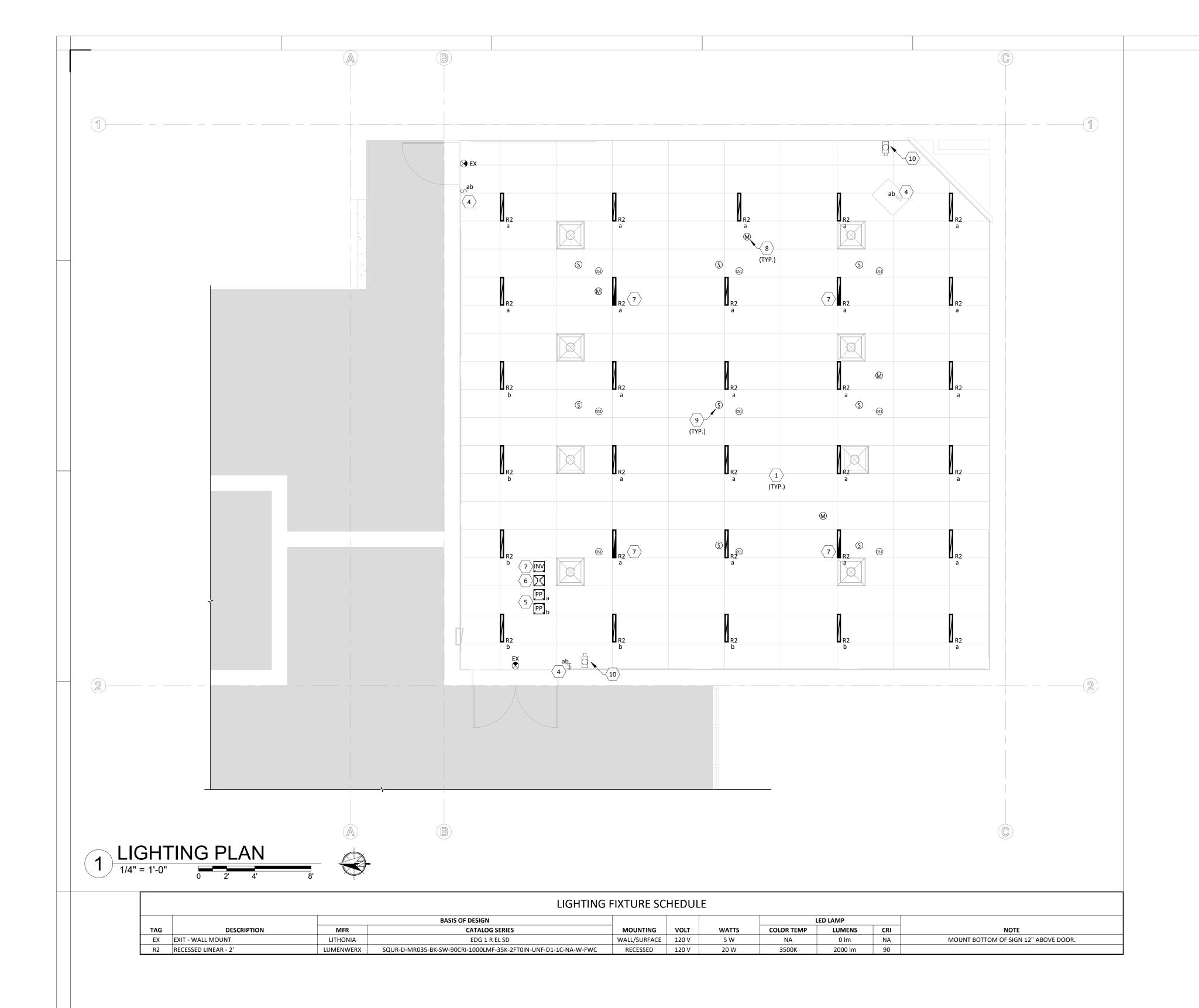
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ELECTRICAL DEMOLITION PLAN

ED111



- COORDINATE EXACT LOCATION OF LIGHT FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLAN TO AVOID INTERFERENCE WITH MECHANICAL, PLUMBING, AND STRUCTURAL SYSTEMS.

 - SEE ELECTRICAL SYMBOL NOTES ON TITLE SHEET E-001 FOR SWITCHING NOMENCLATURE. SWITCHES DESIGNATED WITH LOWER CASE LETTERS TO CONTROL FIXTURES WITH MATCHING

- 3 NOT USED.
- 4 LUTRON VIVE SWITCHING WITH DIMMING, PROVIDED BY OWNER'S AV DEPARTMENT.
- DEPARTMENT. MOUNT POWER PACK WITHIN 30' OF ALL POWER AND CONTROLS BACK TO APPROPRIATE POWERPACK
- LUTRON VIVE HUB, PROVIDED BY OWNER'S AV DEPARTMENT. ROUTE 1-1/2" DATA CABLE PATHWAY FROM HUB TO 521A TELECOMM ROOM. PROVIDE AND INSTALL 100VA BATTERY BACKUP INVERTER, BASIS
- LEG a OF EMERGENCY FIXTURE FROM INVERTER. CEILING MICROPHONE PROVIDED AND INSTALLED BY MSU. MSU
- CEILING SPEAKER PROVIDED AND INSTALLED BY MSU. MSU AV
- DEPARTMENT TO RUN CABLE TO PODIUM LOCATION. 10 CAMERA PROVIDED AND INSTALLED BY MSU. MSU AV DEPARTMENT TO RUN CABLE TO 521 TELECOMM ROOM.

- LIGHTING GENERAL NOTES
- LIGHTING LAYOUT AND PLACEMENT IS SCHEMATIC ONLY.
- 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.
- DESIGNATIONS.
- * LAY-IN LIGHT FIXTURES SHALL BE SUPPORTED INDEPENDENT OF GRID CEILINGS FROM THE STRUCTURE ABOVE FROM AT LEAST TWO CORNERS. ATTACH WITH GRID CLIPS OR TABS RATED FOR LAY-IN CEILINGS.

- RECONNECT/REUSE EXISTING CIRCUITING FOR NEW FIXTURES AS POSSIBLE, SEE KEYNOTE 1/ED111. REWIRE AS NECESSARY, CONFORM TO NEC ARTICLE 300 FOR WIRING METHODS.
- NOT USED.
- LUTRON VIVE POWERPACK, PROVIDED BY OWNER'S AV CONTROLS, SENSORS, AND DEVICES. ROUTE FIXTURE AND FAN
- OF DESIGN: BODINE ELI-S-100 OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S RECOMMENDATION. FEED CONTROL SWITCH
- AV DEPARTMENT TO RUN CABLE TO PODIUM LOCATION.

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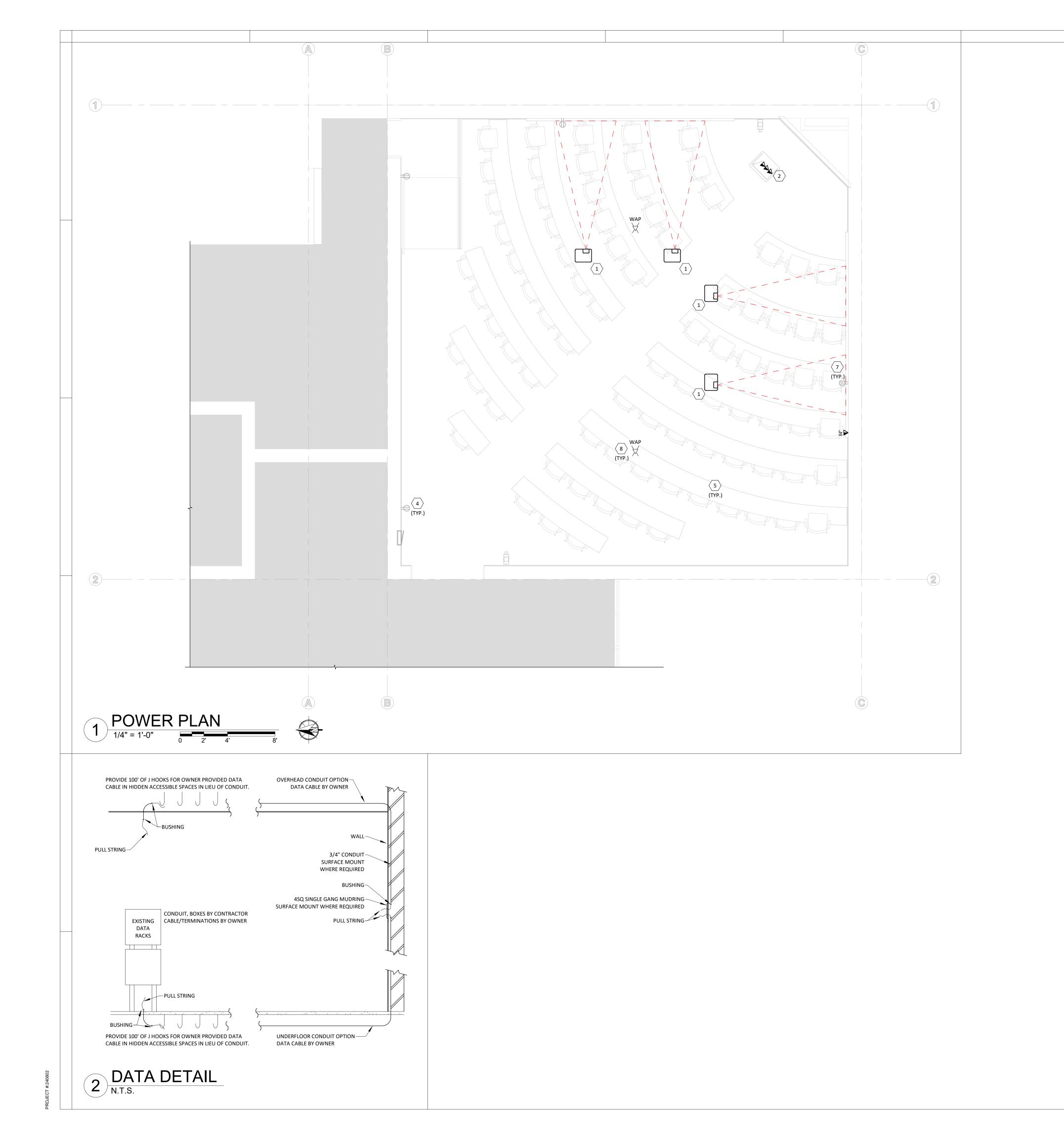
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LIGHTING PLAN

E-111



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
- * 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 OF DEVICES. PROVIDE PROPER
- NUMBER OF CONDUCTORS TO ACHIEVE CIRCUITING AND SWITCHING SHOWN.

 * ROUTE ALL DATA CABLE PATHWAYS TO 236 TELECOMM ROOM, SEE
- DETAIL 2/E-121.

 * LIMIT LENGTHS OF EXPOSED RACEWAYS WHERE POSSIBLE, MATCH
- EXISTING INSTALLATION/ROUTING METHODS.

 * ROUTE NEW CIRCUITS TO ELECTRICAL PANEL IN ROOM 346, SEE
- G-001 FOR LOCATION.

KEYNOTES

- PROJECTOR OFCI, PROJECTOR OFOI. COORDINATE DATA AND POWER REQUIREMENTS WITH OWNER'S IT DEPARTMENT. VERIFY INSTALL LOCATION ONSITE. REROUTE EXISTING WIRING TO NEW LOCATION AND EXTEND AS NECESSARY, SEE KEYNOTE 2/ED111.
- 2 REROUTE EXISTING POWER UNDER FLOOR TO NEW LECTURN AND PROVIDE (2) 1-1/2" C SLEEVES FOR DATA, SEE KEYNOTE 5/ED111. COORDINATE EXACT LOCATIONS ONSITE WITH GC. COORDINATE ALL CONTROLS REQUIREMENTS WITH OWNER'S IT DEPARTMENT PRIOR TO INSTALL.
- NOT USED.
- REPLACE 1/2 TONE EXISTING RECEPTACLE AND PHONE DATA DEVICES AND COVERS. REUSE EXISTING BOXES, CONDUIT AND WIRING. SEE KEYNOTE 3/ED111.
- ADD ALTERNATE #5: PROVIDE AND INSTALL POWER IN EACH ROW
 OF TABLES. INSTALL (1) DUPLEX FOR EVERY (4) CHAIRS OR
 FRACTION THEREOF. ROUTE CONDUIT UNDER NEW FLOOR.
 MOUNT RECEPTACLE(S) TO SURFACE OF TABLE.
- 7 FLOOR HEIGHT INCREASED, SEE A-301. COORDINATE ALL DEVICES AND CONDUIT WITH INCREASE IN FLOOR HEIGHT. EXTEND/RELOCATE DEVICES AS REQUIRED.
- 8 REINSTALL ALL DEVICES AFTER NEW CEILING IS REPLACED, SEE DIVISION OF RESPONSIBITY.

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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NTANA STATE UNIVERSI

DRAWN: CDH CHECKED: JLR

DATE: 11/19/2024

REVISIONS:

POWER PLAN

E-121