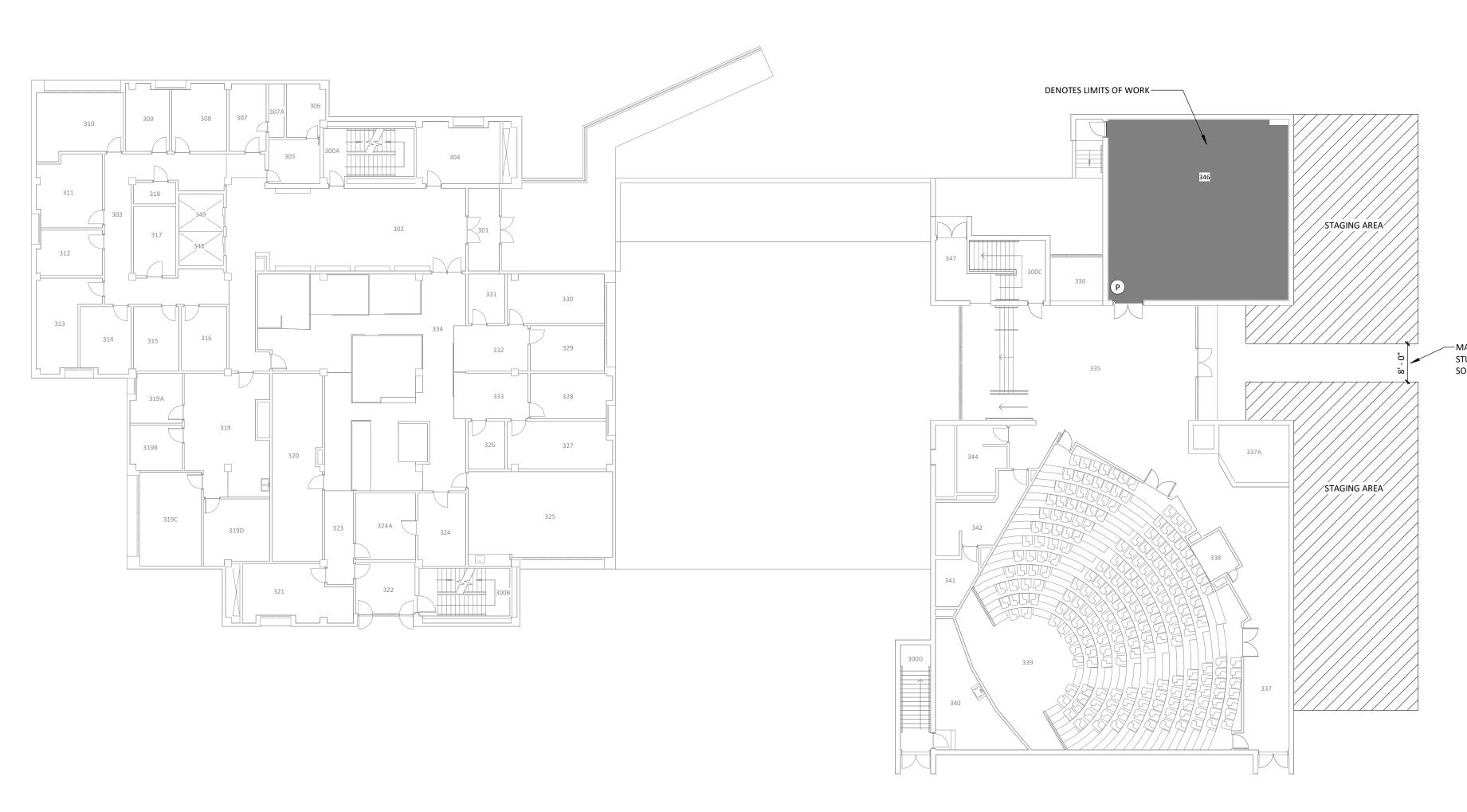


ROOM #346 PPA#: 23-0828



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

- 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 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. 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.
- 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 MEANINGS 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.

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950 WEST GARFIELD STREET, BOZEMAN, MT 59715

8. ALL ITEMS REQUIRED BY THE DRAWINGS AND SPECIFICATIONS

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
- PROCEDURES. 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

INDE	EX OF DRAWINGS
SHEET NUMBER	SHEET NAME
TITLE	
G-001	TITLE SHEET
G-013	ACCESSIBILITY DETAILS
ARCHITECTURAL	
A-001	ARCHITECTURAL NOTES
AD101	DEMO CLASSROOM FLOOR PLAN
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
STRUCTURAL	
S-001	STRUCTURAL TITLE SHEET
S-002	STRUCTURAL NOTES
S-111	FRAMING PLAN
MECHANICAL	
M-001	MECHANICAL TITLE SHEET
MD111	MECHANICAL DEMOLITION PLAN
M-111	HVAC PLAN
M-131	HVAC RCP
ELECTRICAL	
E-001	ELECTRICAL TITLE SHEET
ED111	ELECTRICAL DEMOLITION PLAN
E-111	LIGHTING PLAN

BUILDING REQUIREMENTS FROM THE

TERNATIONAL EXISTING BUILDING CODE 202

POWER PLAN

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

COMPLIANCE METHOD

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

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

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DATE: 11/19/2024

REVISIONS **/#**\

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

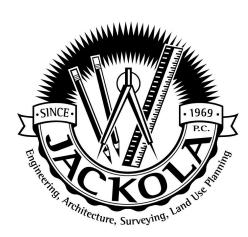
BUILDING DEPARTMENT

CITY OF BOZEMAN 20 E. OLIVE ST. 1ST FLOOR PO BOX 1230 BOZEMAN, MT 59771 EMAIL: PLANNINGTECH@BOZEMAN.NET TEL: (406) 582-2260

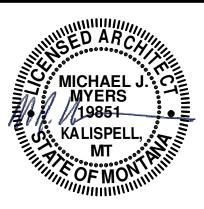
TITLE SHEET

G-001





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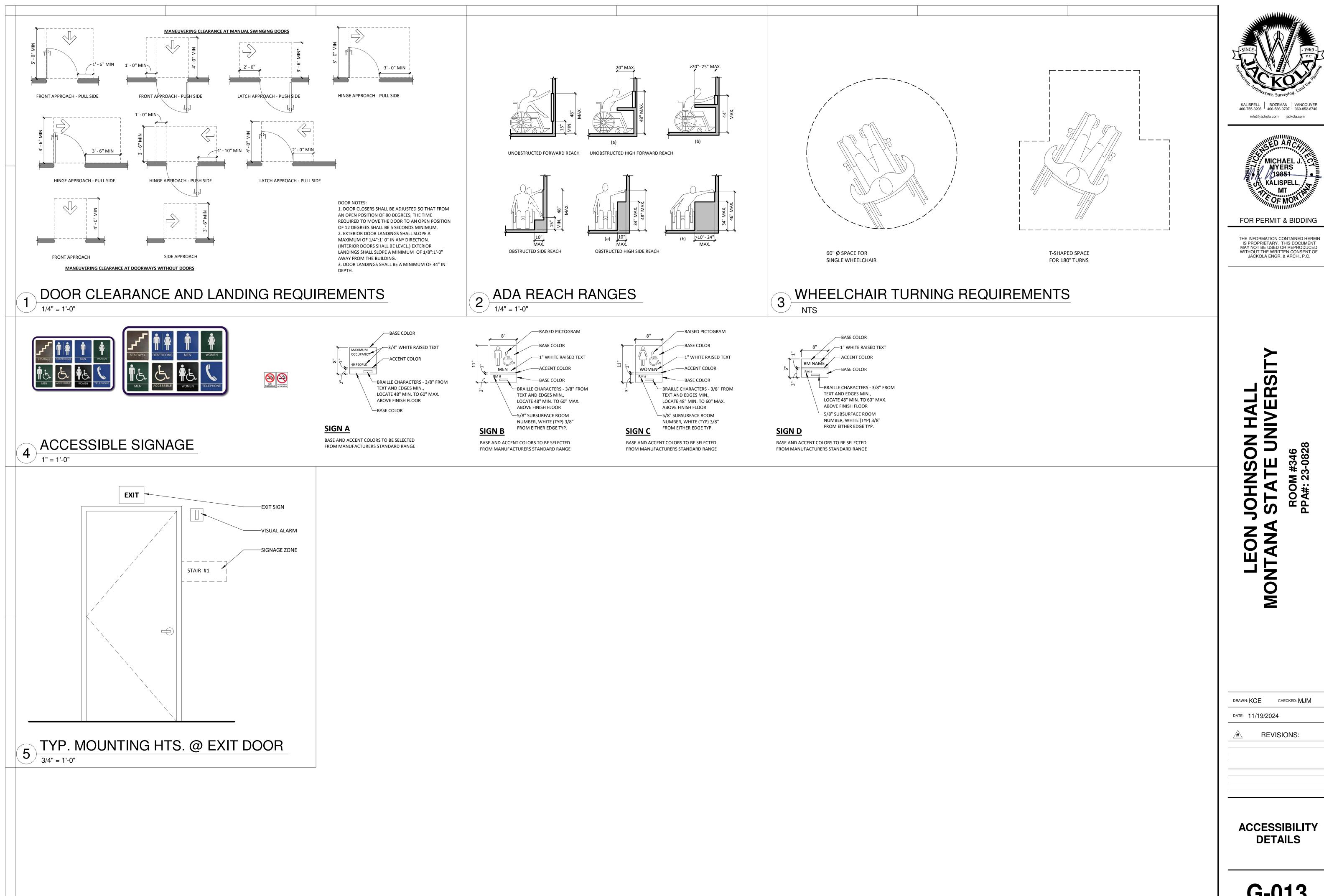


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G-013

ABBREVIATIONS

FOS

FIN

FEC

FF

FL

FD

FT

FTG

FND

FUT

FBO

FRP

<u>G</u>

GA

GALV

GEN

GWB

HALL

ΗT

HM

HWT

HR

IBC

INCL

INFO

ID

INT

JAN

JC

JT

<u>K</u>

KIT

КО

LBL

LAM

LAV

LVL

LL

LR

M

MFR

MAS

MO

ī

GL

FLR

<u>A</u>	
AFF ACT ADJ AB ALUM ALT ANOD APPROX ARCH	ABOVE FINISH FLOOR ACOUSTICAL CEILING TILE ADJUSTABLE ANCHOR BOLT ALUMINUM ALTERNATE ANODIZED APPROXIMATE ARCHITECT
<u>B</u>	
BSMT BATH BM BEG BEDRM BET BLDG BO BOT BN BS	BASEMENT BATHROOM BEAM BEARING BEDROOM BETWEEN BUILDING BOTTOM OF BOTTOM BOUNDARY NAILING BOTH SIDES
<u>c</u>	
CFCI CPT	CONTRACTOR FURNISHED CONTRACTOR INSTALLED CARPET
CLG CT	CEILING CERAMIC TILE
CLR CLST COL CONC CONST CONT CONTR CORR CJ CMU	CERAMIC TILE CLEAR CLOSET COLUMN CONCRETE CONSTRUCTION CONTINUOUS CONTRACT, CONTRACTOR CORRIDOR CONTROL JOINT CONCRETE MASONRY UNIT
D	
DEMO DTL DIA DIM DW DIV DL DR DN DS DWG DF D	DEMOLISH, DEMOLITION DETAIL DIAMETER DIMENSION DISHWASHER DIVISION DEAD LOAD DOOR DOWN DOWNSPOUT DRAWING DRINKING FOUNTAIN DRYER
<u>E</u>	
EA E ELEC ELEV EQ EQUIP EXIST EXP EJ EXT	EACH EAST ELECTRIC ELEVATION, ELEVATOR EQUAL EQUIPMENT EXISTING EXPANSION EXPANSION JOINT EXTERIOR
E	

FOB

FOC

FOM

FACE OF BRICK

FACE OF CONCRETE

FACE OF MASONRY

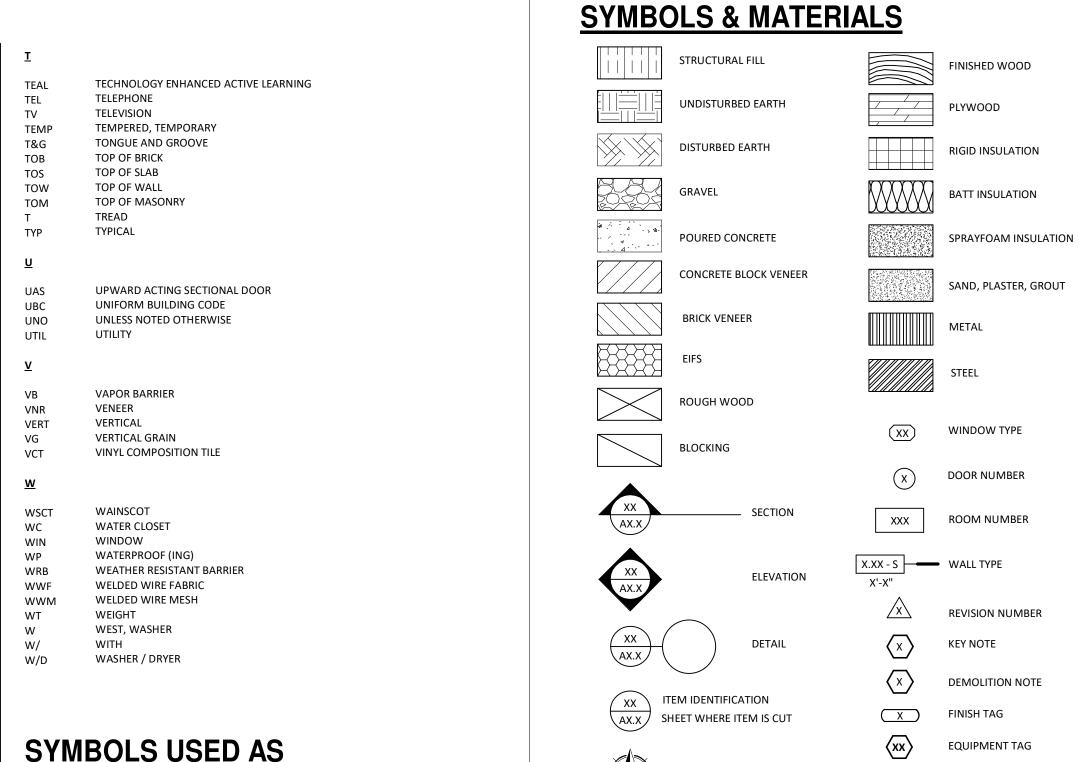
FACE OF STUDS MATL MATERIAL MAX MAXIMUM FINISH FINISH FLOOR MECH MECHANICAL, MECHANICAL ROOM FIRE EXTINGUISHER/AND MTL METAL MIN OR CABINET MINIMUM MIRR MIRROR FLASHING FLOOR MISC MISCELLANEOUS FLOOR DRAIN FOOT, FEET FOOTING N FOUNDATION FURN NOM FURNITURE NOMINAL FUTURE NORTH N FURNISHED BY OTHERS NA NOT APPLICABLE NOT IN CONTRACT FIBER REINFORCED PANEL NIC NOT TO SCALE NTS NO NUMBER GAUGE <u>o</u> GALVANIZED ON CENTER OC GENERAL GLASS OFCI OWNER FURNISHED CONTRACTOR GYPSUM WALL BOARD INSTALLED GYPC OFOI OWNER FURNISHED OWNER GYPCRETE INSTALLED OFF OFFICE OPG OPENING OPP OPPOSITE HALLWAY OD OUTSIDE DIAMETER OF HARDWARE HDW OUTSIDE FACE 0/0 HVAC HEATING, VENTILATING, & AIR OUT TO OUT CONDITIONING HEIGHT HOLLOW METAL HORIZ HORIZONTAL HOT WATER TANK PNT PAINT, PAINTED PNL HOUR PANEL PH PHASE PLAS PLASTIC P-LAM PLASTIC LAMINATE PLATE ΡL INTERNATIONAL BUILDING CODE PLYWD PLYWOOD INCLUDE, INCLUDED (ING) PVC POLYVINYL CHLORIDE INFORMATION PREFIN PREFINISHED INSIDE DIAMETER PROP PROPERTY INSUL INSULATE, INSULATION INTERIOR Q QUAN QUANTITY JANITOR JANITOR'S CLOSET JOINT RAD RADIUS RWL RAIN WATER LEADER REF REFERENCE REINF REINFORCE, REINFORCEMENT RCP REFLECTED CEILING PLAN KITCHEN KNOCK OUT REQ'D REQUIRED REQUEST FOR INFORMATION RFI REV REVISION RISER R RD ROOF DRAIN LABEL RM ROOM LAMINATED RO ROUGH OPENING LNDRY LAUNDRY LAVATORY S LEVEL LIVE LOAD SCHED SCHEDULE LIVING ROOM SEC SECTION LOC'N SAFETY GLASS LOCATION SG SHTG SHEATHING SIM SIMILAR SOG SLAB ON GRADE MANUFACTURER SOUTH S SPEC MASONRY SPECIFICATION MASONRY OPENING SQ SQUARE STD STANDARD STL STEEL STOR STORAGE STRUCT STRUCTURAL

SF

SUSP

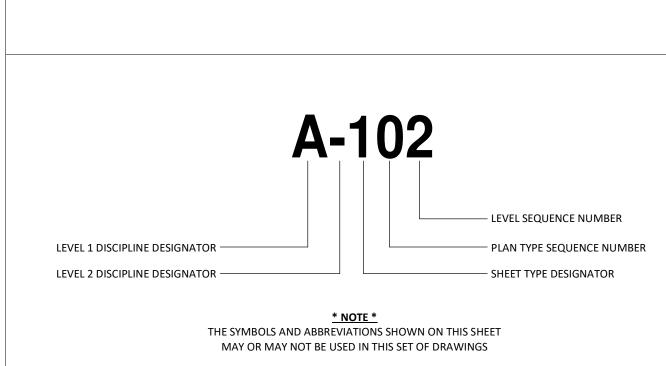
SQUARE FEET

SUSPENDED



SYMBOLS USED AS **ABBREVIATIONS**

& AND L ANGLE AT CENTERLINE CHANNEL DIAMETER PLATE



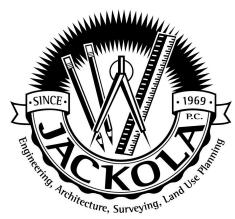
NORTH ARROW

EQUIPMENT TAG

WALL N CLG WALL SILL W E FLR WALL S BASE NOTES NOTES

ARCHITECTURAL SHEET INDEX A-001 ARCHITECTURAL NOTES DEMO CLASSROOM FLOOR PLAN PLAN

A-001	ANCHITECTURAL NUTES
AD101	DEMO CLASSROOM FLOOR PLAN
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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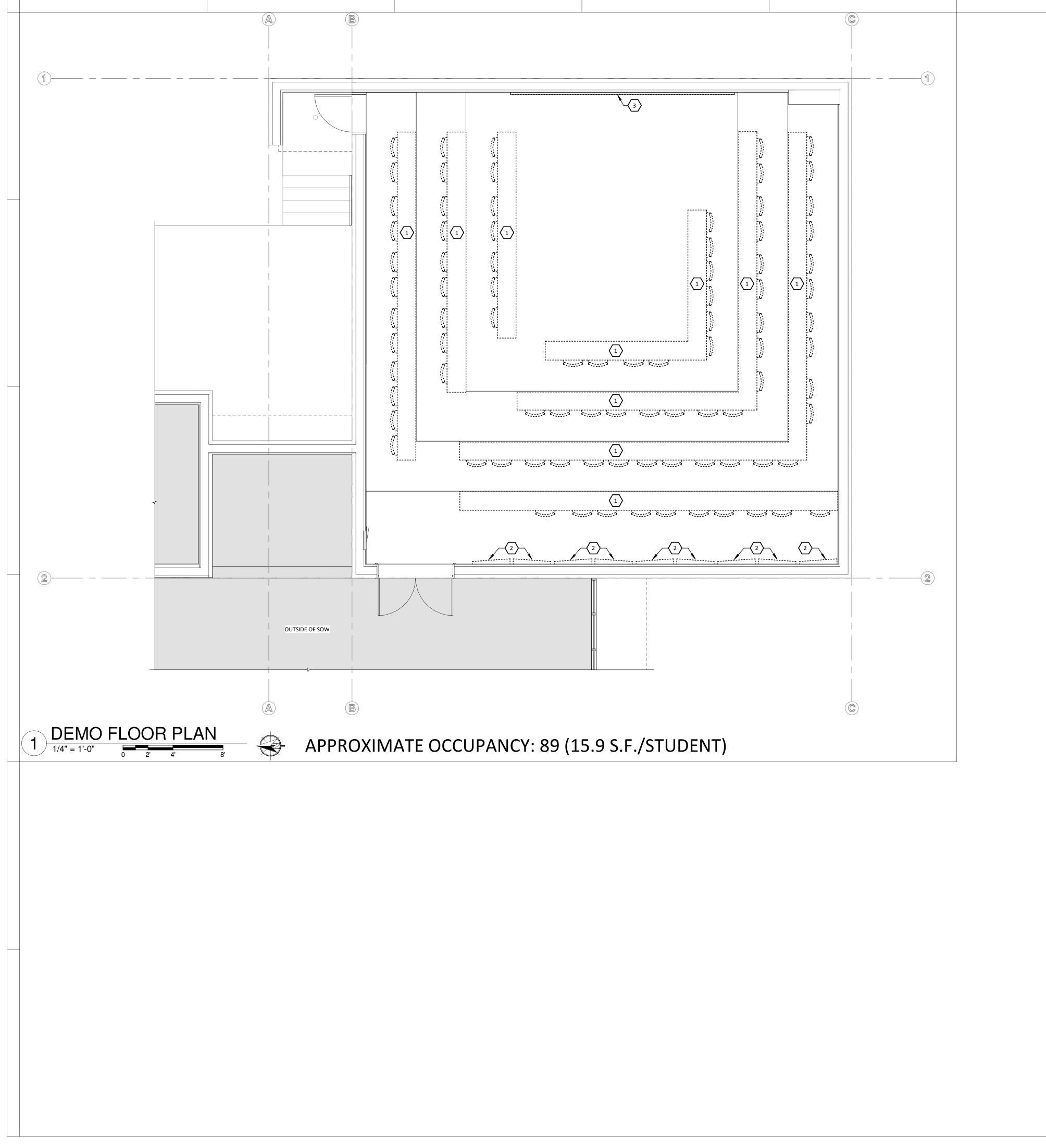
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A-001

ARCHITECTURAL

NOTES

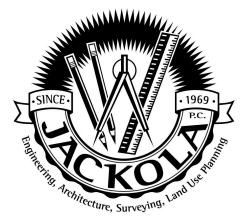


CLASSROOM DEMO KEYNOTES

REMOVE FIXED TABLES AND CHAIRS, TYP. DELIVER TO OWNER'S STORAGE ON CAMPUS

REMOVE ACOUSTIC PANELS, RECYCLE WHERE POSSIBLE, DISPOSE OTHERWISE

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



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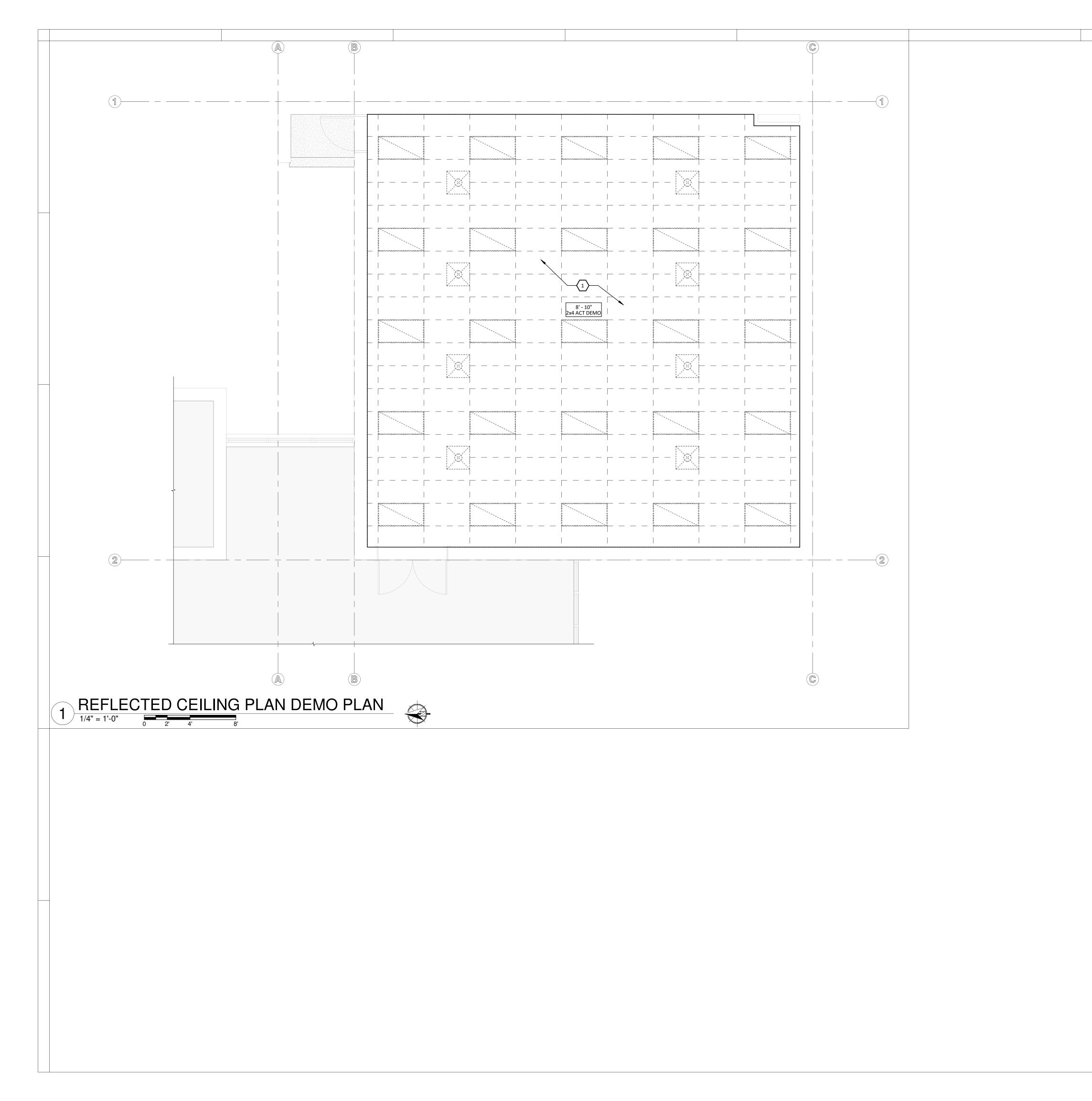
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DEMO CLASSROOM FLOOR PLAN

AD101

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RCP DEMO KEYNOTES	
DEMO CEILING PLAN LEGEND (2X4) ACOUSTIC CEILING TILE	Entre Anchitecture, Surveying, Land Use to

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DEMO CLASSROOM REFLECTED CEILING PLAN

AD121

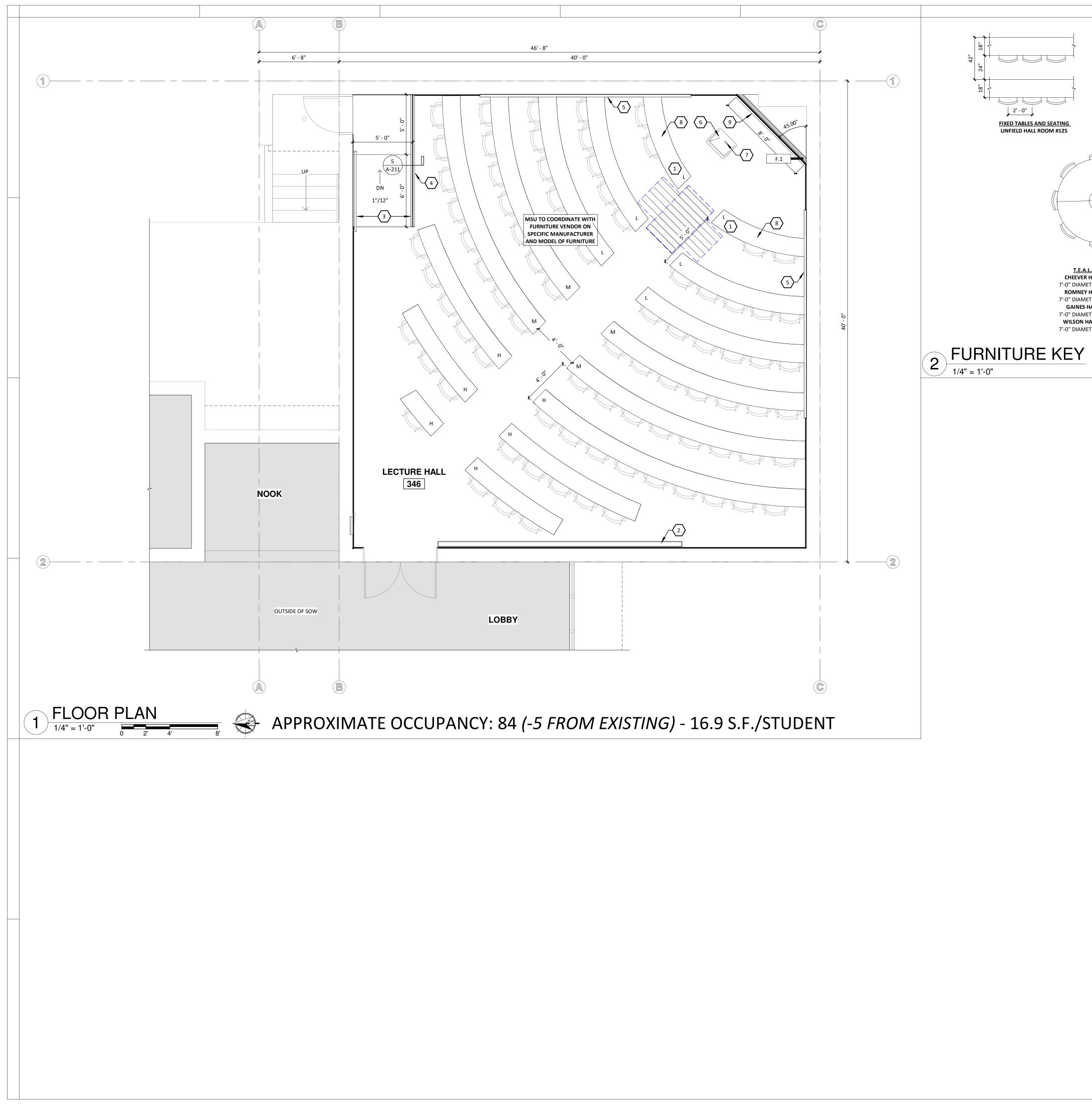


Image: second	FLOOR PLAN KEYNOTES 1 ADA ACCESSIBLE LOCATION 2 NEW RETURN DUCT IN FLOOR, SEE MECHANICAL 3 HAND RAIL AT RAMP (CFCI) 4 GUARD RAIL (CFCI) 5 FIXED PROJECTOR SCREEN (OFCI) 6 LECTERN PODIUM. B.O.D: DELUXE LECTERN - LE3040 (OFOI) 7 CONDUIT FOR POWER/DATA AT LECTERN PODIUM 8 MOVABLE TABLE AT FIRST ROW FOR ADA ACCESS 9 8'-0" W x 4'-0" H WHITE BOARD, NO TRAY (CFCI) GENERAL NOTES: A. ALL TABLES ARE OFCI. ALL ROWS ARE MOUNTED TO THE CONCRETE FLOOR, EXCEPT FRONT ROW WHICH WILL HAVE CASTERS.	KALISPELL BOZEMAN VANCOUVER BOZEMAN YANCOUVER Generation jackola.com jackola.com
LOW - 29" A.F.F. MEDIUM - 36" A.F.F. HIGH - 42" A.F.F.	B. ALL CHAIRS ARE OFOI.	
(8) CHAIRS PER TABLE	5/8" GYP. TYPE X WALL BOARD	FOR PERMIT & BIDDING
L. CLASSROOM HALL ROOM #212: TER TABLE, 7 CHAIRS HALL ROOM #211: TER TABLE, 8 CHAIRS HALL ROOM #143:	3 5/8" STEEL STUD	THE INFORMATION CONTAINED HEREIN IS PROPRIETARY. THIS DOCUMENT MAY NOT BE USED OR REPRODUCED WITHOUT THE WRITTEN CONSENT OF JACKOLA ENGR. & ARCH., P.C.
TER TABLE, 8 CHAIRS ALL ROOM #1-119: TER TABLE, 8 CHAIRS	F.I SCALE: 1 1/2" = 1'	
	3 WALL TYPE 1" = 1'-0"	

SN F A STA BOOM MONTANA

CLASSROOM FLOOR PLAN

A-111

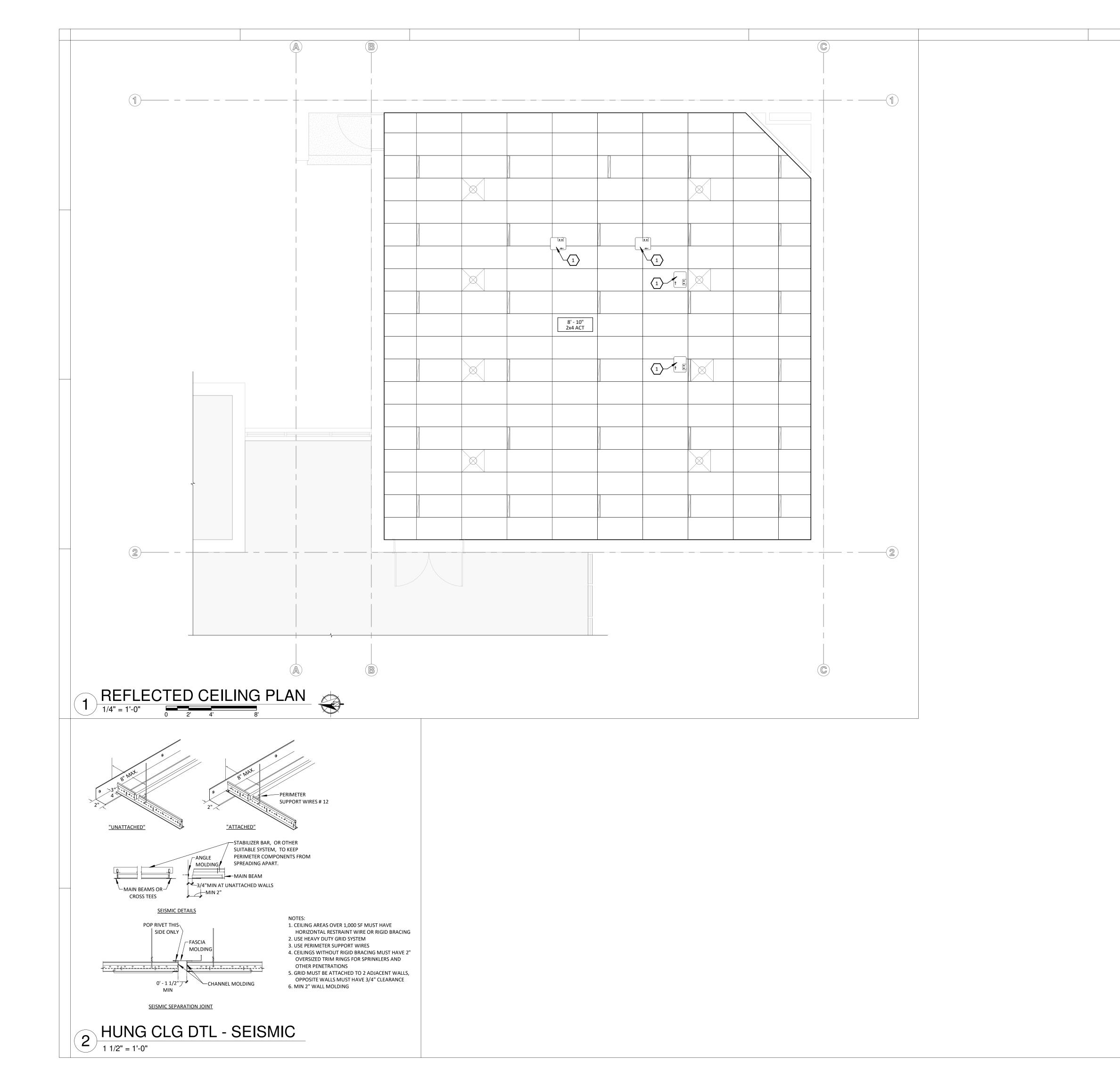
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M #346 23-0828



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CLASSROOM
REFLECTED
CEILING PLAN

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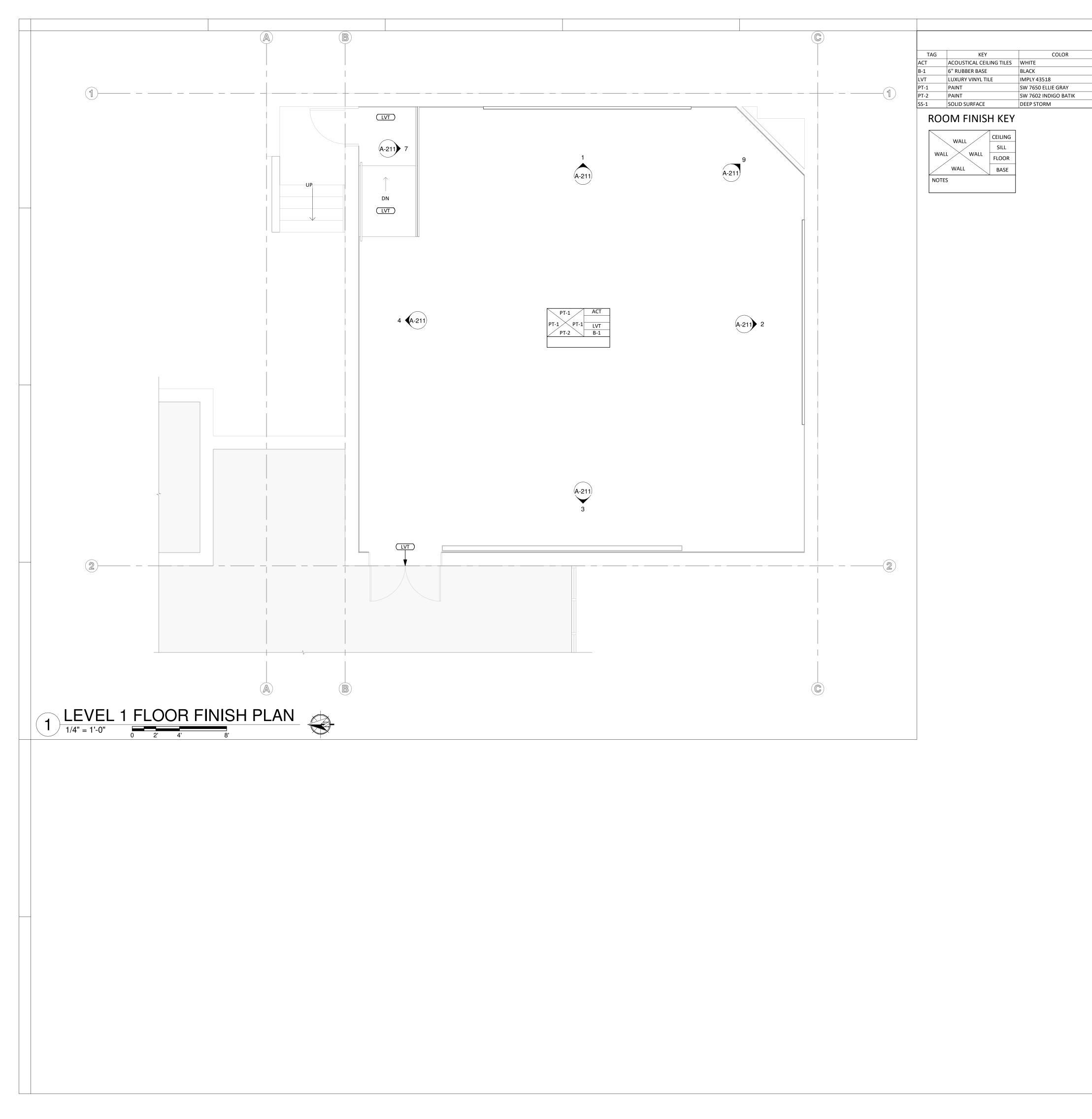
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CLASSROOM RCP KEYNOTES CEILING MOUNTED PROJECTOR (OFOI) CEILING PLAN LEGEND ACT-1 (2X4) ACOUSTIC CEILING TILE



FINISH	SCHEDULE		
MANUFACTURER	STYLE	NOTE	
ARMSTRONG	CIRRUS 584	ANGLED TEGULAR EDGE	
JOHNSONITE	DURACOVE 6"	THERMOPLASTIC RUBBER 1/8"	
SHAW	DIALOGUE	BRICK INSTALLATION METHOD	
SHERWIN WILLIAMS	EGGSHELL		
SHERWIN WILLIAMS	EGGSHELL	ACCENT WALL	
CORIAN		CHAIR RAIL (9 5/8" H X 1/2" D)	



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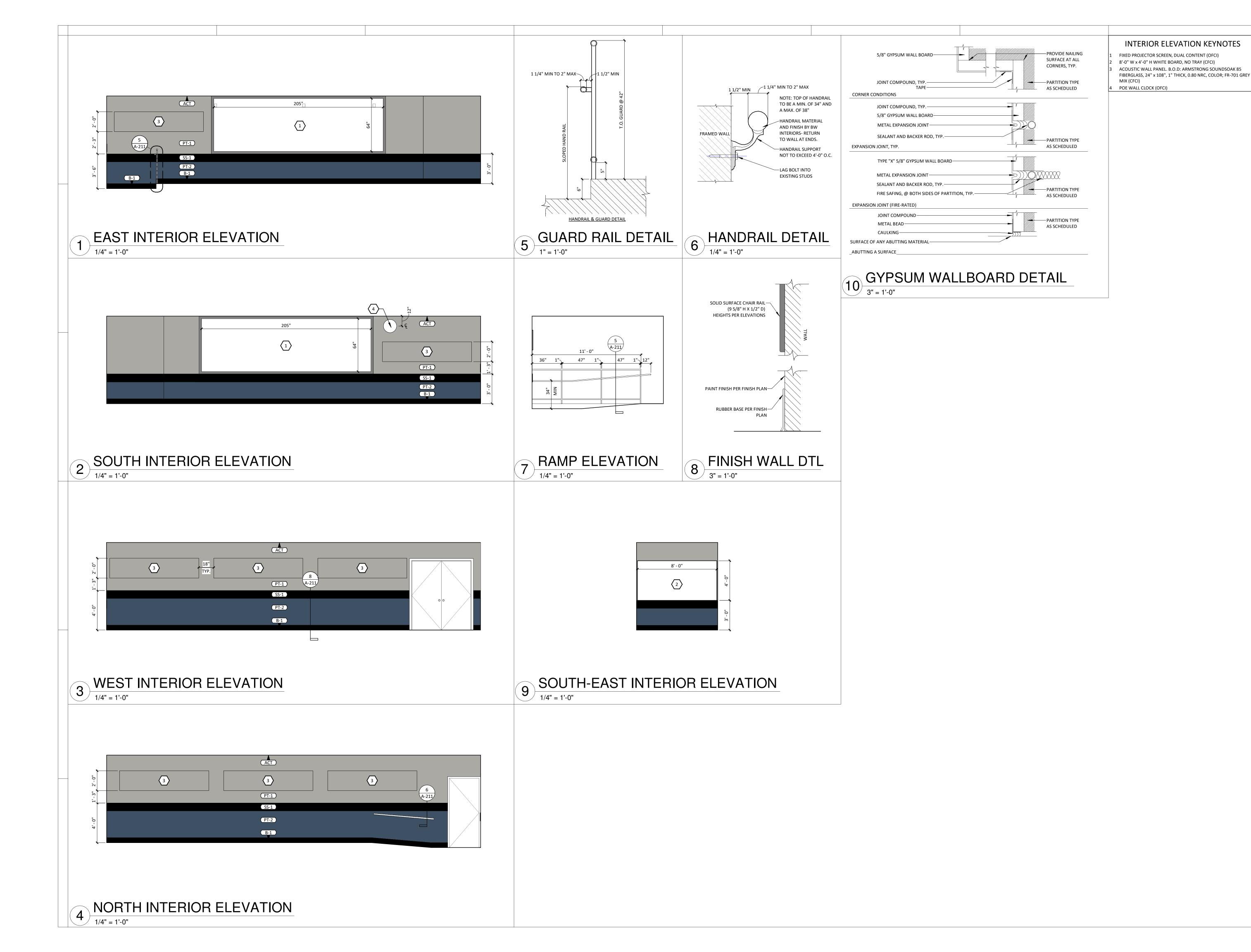
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CLASSROOM FINISH PLAN

A-131

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INTERIOR

A-211

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ABBREVIATIONS

AFF		F.O.S.	FACE OF STUDS	MATL	MATERIAL
AFF		FIN	FINISH	MAX	
ACT		FF	FINISH FLOOR	MECH	MECHANICAL, MECHANICAL R
ACT	ACOUSTICAL CEILING TILE	FL	FLASHING	MIN	MINIMUM
ADJ	ADJUSTABLE	FLR	FLOOR	MISC	MISCELLANEOUS
AB	ANCHOR BOLT	FN	FIELD NAILING		
ALUM	ALUMINUM	FD	FLOOR DRAIN		
ALT	ALTERNATE	FT	FOOT, FEET	<u>N</u>	
ANOD	ANODIZED	FTG	FOOTING		
APPROX	APPROXIMATE	FDN	FOUNDATION	N	NORTH
ARCH	ARCHITECT	FUT	FUTURE	(N)	NEW
AVG	AVERAGE	FBO	FURNISHED BY OTHERS	NA	NOT APPLICABLE
AVO		FRP	FIBER REINFORCED PANEL	NIC	NOT IN CONTRACT
<u>B</u>		FS	FAR SIDE	NTS	NOT TO SCALE
				NO	NUMBER
BSMT	BASEMENT			NOM	NOMINAL
BM	BEAM	<u>G</u>		NS	NEAR SIDE
BRG	BEARING			NWC	NORMAL WEIGHT CONCRETE
BET	BETWEEN	GA	GAUGE		
BLDG	BUILDING	GALV	GALVANIZED		
BLKG	BLOCKING	GEN	GENERAL	<u>o</u>	
В.О.	BOTTOM OF	GL	GLASS	-	
BOT	BOTTOM	G/L, GLM	GLULAM BEAM/COLUMN	ос	ON CENTER
BN	BOUNDARY NAILING	GWB	GYPSUM WALL BOARD	OFF	OFFICE
			GYPCRETE		
BS	BOTH SIDES	GYPC	GYPCRETE	OPG	OPENING
				OPP	OPPOSITE
				OD	OUTSIDE DIAMETER
<u>c</u>		<u>H</u>		OF	OUTSIDE FACE
				0/0	OUT TO OUT
CIP	CAST-IN-PLACE	HALL	HALLWAY	OSB	ORIENTED STRAND BOARD
CLG	CEILING	HD	HOLDOWN, HOLD-DOWN		
CLR	CLEAR	HDR	HEADER		
CLT	CROSS LAMINATED TIMBER	HDW	HARDWARE	<u>P</u>	
COL	COLUMN	HVAC	HEATING, VENTILATING, & AIR	-	
COL	CONCRETE	TIVAC	CONDITIONING	PERP	PERPENDICULAR
CONN	CONNECTION	HT	HEIGHT	PNT	PAINT, PAINTED
CONST	CONSTRUCTION	HM	HOLLOW METAL	PNL	PANEL
CONT	CONTINUOUS	HORIZ	HORIZONTAL	PH	PHASE
CONTR	CONTRACT, CONTRACTOR	HR	HOUR	PIJ	PERIMETER ISOLATION JOINT
CORR	CORRIDOR	HSS	HOLLOW STRUCTURAL SECTION	PLAS	PLASTIC
CJ	CONTROL JOINT			PL	PLATE
CMU	CONCRETE MASONRY UNIT			PLF	POUNDS PER LINEAR FOOT
		<u>I</u>		PSF	POUNDS PER SQUARE FOOT
		-		PSI	POUNDS PER SQUARE INCH
		IBC	INTERNATIONAL BUILDING CODE	PSL	PARALLEL STRAND LUMBER
D		ICC	INTERNATIONAL CODE COUNCIL	PLYWD	PLYWOOD
<u>D</u>					
		INCL	INCLUDE, INCLUDED (ING)	PVC	POLYVINYL CHLORIDE
DBL	DOUBLE	INFO	INFORMATION	PREFIN	PREFINISHED
DBL TP	DOUBLE TOP PLATE	ID	INSIDE DIAMETER	PROP	PROPERTY
DEG	DEGREE	IJ	ISOLATION JOINT	PT	PRESSURE TREATED
DEMO	DEMOLISH, DEMOLITION	INSUL	INSULATE, INSULATION		
DTL	DETAIL	INT	INTERIOR		
DIA	DIAMETER			Q	
DIM	DIMENSION			<u> </u>	
DIST	DISTANCE			QUAN	QUANTITY
		Ţ		QUAN	QUANTITY
DF/L	DOUGLAS/FIR LARCH				
DIV	DIVISION	JST	JOIST(S)		
DL	DEAD LOAD	TL	JOINT	<u>R</u>	
	DOOR				
DR	DOWN				RADIUS
	DOWN			RAD	
DR	DOWN DOWNSPOUT	<u>K</u>		RAD	REBAR
DR DN		ĸ			REFERENCE
DR DN DS	DOWNSPOUT	<u>к</u> ко	KNOCK OUT	REB	
DR DN DS DWG	DOWNSPOUT		KNOCK OUT	REB REF REINF	REFERENCE
DR DN DS	DOWNSPOUT		KNOCK OUT	REB REF REINF RCP	REFERENCE REINFORCE, REINFORCEMENT REFLECTED CEILING PLAN
DR DN DS DWG <u>E</u>	DOWNSPOUT DRAWING	ко	KNOCK OUT	REB REF REINF RCP REQ'D	REFERENCE REINFORCE, REINFORCEMENT REFLECTED CEILING PLAN REQUIRED
DR DN DS DWG EA	DOWNSPOUT DRAWING EACH		KNOCK OUT	REB REF REINF RCP REQ'D RFI	REFERENCE REINFORCE, REINFORCEMENT REFLECTED CEILING PLAN REQUIRED REQUEST FOR INFORMATION
DR DN DS DWG EA EA	DOWNSPOUT DRAWING EACH EAST	ко <u>L</u>		REB REF REINF RCP REQ'D RFI REV	REFERENCE REINFORCE, REINFORCEMENT REFLECTED CEILING PLAN REQUIRED REQUEST FOR INFORMATION REVISION
DR DN DS DWG E EA E (E)	DOWNSPOUT DRAWING EACH EAST EXISTING	KO <u>L</u> LB	POUND(S)	REB REF REINF RCP REQ'D RFI REV R	REFERENCE REINFORCE, REINFORCEMENT REFLECTED CEILING PLAN REQUIRED REQUEST FOR INFORMATION REVISION RISER
DR DN DS DWG E EA E (E) EF	DOWNSPOUT DRAWING EACH EAST EXISTING EACH FACE	KO <u>L</u> LB LBL	POUND(S) LABEL	REB REF REINF RCP REQ'D RFI REV R RD	REFERENCE REINFORCE, REINFORCEMENT REFLECTED CEILING PLAN REQUIRED REQUEST FOR INFORMATION REVISION RISER ROOF DRAIN
DR DN DS DWG E EA E (E)	DOWNSPOUT DRAWING EACH EAST EXISTING	KO <u>L</u> LB	POUND(S)	REB REF REINF RCP REQ'D RFI REV R	REFERENCE REINFORCE, REINFORCEMENT REFLECTED CEILING PLAN REQUIRED REQUEST FOR INFORMATION REVISION RISER
DR DN DS DWG E EA E (E) EF	DOWNSPOUT DRAWING EACH EAST EXISTING EACH FACE	KO <u>L</u> LB LBL	POUND(S) LABEL	REB REF REINF RCP REQ'D RFI REV R RD	REFERENCE REINFORCE, REINFORCEMENT REFLECTED CEILING PLAN REQUIRED REQUEST FOR INFORMATION REVISION RISER ROOF DRAIN
DR DN DS DWG E EA E (E) EF	DOWNSPOUT DRAWING EACH EAST EXISTING EACH FACE EXTERIOR INSULATION FINISHING	KO L LB LBL LAM	POUND(S) LABEL LAMINATED	REB REF REINF RCP REQ'D RFI REV R RD RD RM	REFERENCE REINFORCE, REINFORCEMENT REFLECTED CEILING PLAN REQUIRED REQUEST FOR INFORMATION REVISION RISER ROOF DRAIN ROOM
DR DN DS DWG E EA E (E) EF EIFS ELEC	DOWNSPOUT DRAWING EACH EAST EXISTING EACH FACE EXTERIOR INSULATION FINISHING SYSTEMS ELECTRIC	KO L LB LBL LAM LAV LVL	POUND(S) LABEL LAMINATED LAVATORY LAMINATED VENEER LUMBER	REB REF RCP REQ'D RFI REV R RD RM RO	REFERENCE REINFORCE, REINFORCEMENT REFLECTED CEILING PLAN REQUIRED REQUEST FOR INFORMATION REVISION RISER ROOF DRAIN ROOM
DR DN DS DWG E EA E (E) EF EIFS ELEC EN	DOWNSPOUT DRAWING EACH EAST EXISTING EACH FACE EXTERIOR INSULATION FINISHING SYSTEMS ELECTRIC EDGE/END NAIL	KO L LB LBL LAM LAV LVL LVL LL	POUND(S) LABEL LAMINATED LAVATORY LAMINATED VENEER LUMBER LIVE LOAD	REB REF REINF RCP REQ'D RFI REV R RD RD RM	REFERENCE REINFORCE, REINFORCEMENT REFLECTED CEILING PLAN REQUIRED REQUEST FOR INFORMATION REVISION RISER ROOF DRAIN ROOM
DR DN DS DWG E EA E (E) EF EIFS ELEC EN ELEV	DOWNSPOUT DRAWING EACH EAST EXISTING EACH FACE EXTERIOR INSULATION FINISHING SYSTEMS ELECTRIC EDGE/END NAIL ELEVATION, ELEVATOR	KO LB LBL LAM LAV LVL LL LT	POUND(S) LABEL LAMINATED LAVATORY LAMINATED VENEER LUMBER LIVE LOAD LIGHT	REB REF REINF RCP REQ'D RFI REV R RD RM RO <u>\$</u>	REFERENCE REINFORCE, REINFORCEMENT REFLECTED CEILING PLAN REQUIRED REQUEST FOR INFORMATION REVISION RISER ROOF DRAIN ROOM ROUGH OPENING
DR DN DS DWG E EA E (E) EF EIFS ELEC EN ELEV EMBED	DOWNSPOUT DRAWING EACH EAST EXISTING EACH FACE EXTERIOR INSULATION FINISHING SYSTEMS ELECTRIC EDGE/END NAIL ELEVATION, ELEVATOR EMBEDMENT	KO LB LBL LAM LAV LVL LL LT LOC'N	POUND(S) LABEL LAMINATED LAVATORY LAMINATED VENEER LUMBER LIVE LOAD LIGHT LOCATION	REB REF REINF RCP REQ'D RFI REV R RD RM RO <u>S</u> SCHED	REFERENCE REINFORCE, REINFORCEMENT REFLECTED CEILING PLAN REQUIRED REQUEST FOR INFORMATION REVISION RISER ROOF DRAIN ROOM ROUGH OPENING
DR DN DS DWG E EA E (E) EF EIFS ELEC EN ELEV EMBED EOS	DOWNSPOUT DRAWING EACH EAST EXISTING EACH FACE EXTERIOR INSULATION FINISHING SYSTEMS ELECTRIC EDGE/END NAIL ELEVATION, ELEVATOR EMBEDMENT EDGE OF SLAB	KO L LB LBL LAM LAV LVL LU LT LOC'N LSL	POUND(S) LABEL LAMINATED LAVATORY LAMINATED VENEER LUMBER LIVE LOAD LIGHT LOCATION LAMINATED STRAND LUMBER	REB REF REINF RCP REQ'D RFI REV R RD RM RO <u>S</u> SCHED SEC	REFERENCE REINFORCE, REINFORCEMENT REFLECTED CEILING PLAN REQUIRED REQUEST FOR INFORMATION REVISION RISER ROOF DRAIN ROOM ROUGH OPENING SCHEDULE SECTION
DR DN DS DWG E EA E (E) EF EIFS ELEC EN ELEV EMBED EOS EOR	DOWNSPOUT DRAWING EACH EAST EXISTING EACH FACE EXTERIOR INSULATION FINISHING SYSTEMS ELECTRIC EDGE/END NAIL ELEVATION, ELEVATOR EMBEDMENT EDGE OF SLAB ENGINEER OF RECORD	KO LB LBL LAM LAV LVL LL LT LOC'N	POUND(S) LABEL LAMINATED LAVATORY LAMINATED VENEER LUMBER LIVE LOAD LIGHT LOCATION	REB REF REINF RCP REQ'D RFI REV R RD RM RO S SCHED SEC SHTG	REFERENCE REINFORCE, REINFORCEMENT REFLECTED CEILING PLAN REQUIRED REQUEST FOR INFORMATION REVISION RISER ROOF DRAIN ROOM ROUGH OPENING SCHEDULE SECTION SHEATHING
DR DN DS DWG E EA E (E) EF EIFS ELEC EN ELEV EMBED EOS	DOWNSPOUT DRAWING EACH EAST EXISTING EACH FACE EXTERIOR INSULATION FINISHING SYSTEMS ELECTRIC EDGE/END NAIL ELEVATION, ELEVATOR EMBEDMENT EDGE OF SLAB	KO L LB LBL LAM LAV LVL LU LT LOC'N LSL	POUND(S) LABEL LAMINATED LAVATORY LAMINATED VENEER LUMBER LIVE LOAD LIGHT LOCATION LAMINATED STRAND LUMBER	REB REF REINF RCP REQ'D RFI REV R RD RM RO <u>S</u> SCHED SEC	REFERENCE REINFORCE, REINFORCEMENT REFLECTED CEILING PLAN REQUIRED REQUEST FOR INFORMATION REVISION RISER ROOF DRAIN ROOM ROUGH OPENING SCHEDULE SECTION
DR DN DS DWG E EA E (E) EF EIFS ELEC EN ELEV EMBED EOS EOR	DOWNSPOUT DRAWING EACH EAST EXISTING EACH FACE EXTERIOR INSULATION FINISHING SYSTEMS ELECTRIC EDGE/END NAIL ELEVATION, ELEVATOR EMBEDMENT EDGE OF SLAB ENGINEER OF RECORD	KO L LB LBL LAM LAV LVL LU LT LOC'N LSL	POUND(S) LABEL LAMINATED LAVATORY LAMINATED VENEER LUMBER LIVE LOAD LIGHT LOCATION LAMINATED STRAND LUMBER	REB REF REINF RCP REQ'D RFI REV R RD RM RO S SCHED SEC SHTG	REFERENCE REINFORCE, REINFORCEMENT REFLECTED CEILING PLAN REQUIRED REQUEST FOR INFORMATION REVISION RISER ROOF DRAIN ROOM ROUGH OPENING SCHEDULE SECTION SHEATHING
DR DN DS DWG E EA E (E) EF EIFS ELEC EN ELEV ENBED EOS EOR EQ EQUIP	DOWNSPOUT DRAWING EACH EAST EXISTING EACH FACE EXTERIOR INSULATION FINISHING SYSTEMS ELECTRIC EDGE/END NAIL ELEVATION, ELEVATOR EMBEDMENT EDGE OF SLAB ENGINEER OF RECORD EQUAL	KO L LB LBL LAM LAV LVL LL LT LOC'N LSL LWC	POUND(S) LABEL LAMINATED LAVATORY LAMINATED VENEER LUMBER LIVE LOAD LIGHT LOCATION LAMINATED STRAND LUMBER	REB REF REINF RCP REQ'D RFI REV R RD RM RO S SCHED SEC SHTG SIM SOG	REFERENCE REINFORCE, REINFORCEMENT REFLECTED CEILING PLAN REQUIRED REQUEST FOR INFORMATION REVISION RISER ROOF DRAIN ROOM ROUGH OPENING SCHEDULE SECTION SHEATHING SIMILAR SLAB ON GRADE
DR DN DS DWG E EA E (E) EF EIFS ELEC EN ELEV EMBED EOS EOR EQ EQUIP EW	DOWNSPOUT DRAWING EACH EAST EXISTING EACH FACE EXTERIOR INSULATION FINISHING SYSTEMS ELECTRIC EDGE/END NAIL ELEVATION, ELEVATOR EMBEDMENT EDGE OF SLAB ENGINEER OF RECORD EQUAL EQUIPMENT EACH WAY	KO L LB LBL LAM LAV LVL LU LT LOC'N LSL	POUND(S) LABEL LAMINATED LAVATORY LAMINATED VENEER LUMBER LIVE LOAD LIGHT LOCATION LAMINATED STRAND LUMBER	REB REF REINF RCP REQ'D RFI REV R RD RM RO S SCHED SEC SHTG SIM SOG S	REFERENCE REINFORCE, REINFORCEMENT REFLECTED CEILING PLAN REQUIRED REQUEST FOR INFORMATION REVISION RISER ROOF DRAIN ROOM ROUGH OPENING SCHEDULE SECTION SHEATHING SIMILAR SLAB ON GRADE SOUTH
DR DN DS DWG E EA E (E) EF EIFS ELEC EN ELEV EMBED EOS EOR EQ EQUIP EW EXIST	DOWNSPOUT DRAWING EACH EAST EXISTING EACH FACE EXTERIOR INSULATION FINISHING SYSTEMS ELECTRIC EDGE/END NAIL ELEVATION, ELEVATOR EMBEDMENT EDGE OF SLAB ENGINEER OF RECORD EQUAL EQUIPMENT EACH WAY EXISTING	KO L LB LBL LAM LAV LVL LU LT LOC'N LSL LWC M	POUND(S) LABEL LAMINATED LAVATORY LAMINATED VENEER LUMBER LIVE LOAD LIGHT LOCATION LAMINATED STRAND LUMBER LIGHT WEIGHT CONCRETE	REB REF REINF RCP REQ'D RFI REV R RD RM RO <u>S</u> SCHED SEC SHTG SIM SOG S (S)	REFERENCE REINFORCE, REINFORCEMENT REFLECTED CEILING PLAN REQUIRED REQUEST FOR INFORMATION REVISION RISER ROOF DRAIN ROOM ROUGH OPENING SCHEDULE SECTION SHEATHING SIMILAR SLAB ON GRADE SOUTH SIMPSON
DR DN DS DWG E EA E (E) EF EIFS ELEC EN ELEV EMBED EOS EOR EQ EQUIP EW EXIST EXP	DOWNSPOUT DRAWING EACH EAST EXISTING EACH FACE EXTERIOR INSULATION FINISHING SYSTEMS ELECTRIC EDGE/END NAIL ELEVATION, ELEVATOR EMBEDMENT EDGE OF SLAB ENGINEER OF RECORD EQUAL EQUIPMENT EACH WAY EXISTING EXPANSION	KO L LB LBL LAM LAV LVL LL LT LOC'N LSL LWC	POUND(S) LABEL LAMINATED LAVATORY LAMINATED VENEER LUMBER LIVE LOAD LIGHT LOCATION LAMINATED STRAND LUMBER LIGHT WEIGHT CONCRETE	REB REF REINF RCP REQ'D RFI REV R RD RM RO <u>S</u> SCHED SEC SHTG SIM SOG S (S) SPEC	REFERENCE REINFORCE, REINFORCEMENT REFLECTED CEILING PLAN REQUIRED REQUEST FOR INFORMATION REVISION RISER ROOF DRAIN ROOM ROUGH OPENING SCHEDULE SECTION SHEATHING SIMILAR SLAB ON GRADE SOUTH SIMPSON SPECIFICATION
DR DN DS DWG E EA E (E) EF EIFS ELEC EN ELEV EMBED EOS EOR EQ EQUIP EW EXIST EXP EXC	DOWNSPOUT DRAWING EACH EAST EXISTING EACH FACE EXTERIOR INSULATION FINISHING SYSTEMS ELECTRIC EDGE/END NAIL ELEVATION, ELEVATOR EMBEDMENT EDGE OF SLAB ENGINEER OF RECORD EQUAL EQUIPMENT EACH WAY EXISTING EXPANSION EXCAVATION	KO L LB LBL LAM LAV LVL LU LT LOC'N LSL LWC MEP	POUND(S) LABEL LAMINATED LAVATORY LAMINATED VENEER LUMBER LIVE LOAD LIGHT LOCATION LAMINATED STRAND LUMBER LIGHT WEIGHT CONCRETE	REB REF REINF RCP REQ'D RFI REV R RD RM RO S SCHED SEC SHTG SIM SOG S (S) SPEC SQ	REFERENCE REINFORCE, REINFORCEMENT REFLECTED CEILING PLAN REQUIRED REQUEST FOR INFORMATION REVISION RISER ROOF DRAIN ROOM ROUGH OPENING SCHEDULE SECTION SHEATHING SIMILAR SLAB ON GRADE SOUTH SIMPSON SPECIFICATION SQUARE
DR DN DS DWG E EA E E (E) EF EIFS ELEC EN ELEV EMBED EOS EOR EQ EQUIP EW EXIST EXP EXC EJ	DOWNSPOUT DRAWING EACH EAST EXISTING EACH FACE EXTERIOR INSULATION FINISHING SYSTEMS ELECTRIC EDGE/END NAIL ELEVATION, ELEVATOR EMBEDMENT EDGE OF SLAB ENGINEER OF RECORD EQUAL EQUIPMENT EACH WAY EXISTING EXPANSION EXCAVATION EXPANSION JOINT	KO L LB LBL LAM LAV LVL LU LT LOC'N LSL LWC MEP MFR	POUND(S) LABEL LAMINATED LAVATORY LAMINATED VENEER LUMBER LIVE LOAD LIGHT LOCATION LAMINATED STRAND LUMBER LIGHT WEIGHT CONCRETE MECHANICAL, ELECTRICAL, AND PLUMBING DOCUMENTS MANUFACTURER	REB REF REINF RCP REQ'D RFI REV R RD RM RO S SCHED SEC SHTG SIM SOG S S(S) SPEC SQ STAG	REFERENCE REINFORCE, REINFORCEMENT REFLECTED CEILING PLAN REQUIRED REQUEST FOR INFORMATION REVISION RISER ROOF DRAIN ROOM ROUGH OPENING SCHEDULE SECTION SHEATHING SIMILAR SLAB ON GRADE SOUTH SIMPSON SPECIFICATION SQUARE STAGGERED
DR DN DS DWG E EA E (E) EF EIFS ELEC EN ELEV EMBED EOS EOR EQ EQUIP EW EXIST EXP EXC	DOWNSPOUT DRAWING EACH EAST EXISTING EACH FACE EXTERIOR INSULATION FINISHING SYSTEMS ELECTRIC EDGE/END NAIL ELEVATION, ELEVATOR EMBEDMENT EDGE OF SLAB ENGINEER OF RECORD EQUAL EQUIPMENT EACH WAY EXISTING EXPANSION EXCAVATION	KO L LB LBL LAM LAV LVL LU LT LOC'N LSL LWC MEP	POUND(S) LABEL LAMINATED LAVATORY LAMINATED VENEER LUMBER LIVE LOAD LIGHT LOCATION LAMINATED STRAND LUMBER LIGHT WEIGHT CONCRETE	REB REF REINF RCP REQ'D RFI REV R RD RM RO S SCHED SEC SHTG SIM SOG S (S) SPEC SQ	REFERENCE REINFORCE, REINFORCEMENT REFLECTED CEILING PLAN REQUIRED REQUEST FOR INFORMATION REVISION RISER ROOF DRAIN ROOM ROUGH OPENING SCHEDULE SECTION SHEATHING SIMILAR SLAB ON GRADE SOUTH SIMPSON SPECIFICATION SQUARE
DR DN DS DWG E EA E E (E) EF EIFS ELEC EN ELEV EMBED EOS EOR EQ EQUIP EW EXIST EXP EXC EJ	DOWNSPOUT DRAWING EACH EAST EXISTING EACH FACE EXTERIOR INSULATION FINISHING SYSTEMS ELECTRIC EDGE/END NAIL ELEVATION, ELEVATOR EMBEDMENT EDGE OF SLAB ENGINEER OF RECORD EQUAL EQUIPMENT EACH WAY EXISTING EXPANSION EXCAVATION EXPANSION JOINT	KO L LB LBL LAM LAV LVL LU LT LOC'N LSL LWC MEP MFR	POUND(S) LABEL LAMINATED LAVATORY LAMINATED VENEER LUMBER LIVE LOAD LIGHT LOCATION LAMINATED STRAND LUMBER LIGHT WEIGHT CONCRETE MECHANICAL, ELECTRICAL, AND PLUMBING DOCUMENTS MANUFACTURER	REB REF REINF RCP REQ'D RFI REV R RD RM RO S SCHED SEC SHTG SIM SOG S S(S) SPEC SQ STAG	REFERENCE REINFORCE, REINFORCEMENT REFLECTED CEILING PLAN REQUIRED REQUEST FOR INFORMATION REVISION RISER ROOF DRAIN ROOM ROUGH OPENING SCHEDULE SECTION SHEATHING SIMILAR SLAB ON GRADE SOUTH SIMPSON SPECIFICATION SQUARE STAGGERED
DR DN DS DWG E EA EA E (E) EF EIFS ELEC EN ELEV EMBED EOS EOR EQ EQUIP EW EXIST EXP EXC EJ EXT	DOWNSPOUT DRAWING EACH EAST EXISTING EACH FACE EXTERIOR INSULATION FINISHING SYSTEMS ELECTRIC EDGE/END NAIL ELEVATION, ELEVATOR EMBEDMENT EDGE OF SLAB ENGINEER OF RECORD EQUAL EQUIPMENT EACH WAY EXISTING EXPANSION EXCAVATION EXPANSION JOINT	KO L LB LBL LAM LAV LVL LU LT LOC'N LSL LWC MEP MFR MAS MO	POUND(S) LABEL LAMINATED LAVATORY LAMINATED VENEER LUMBER LIVE LOAD LIGHT LOCATION LAMINATED STRAND LUMBER LIGHT WEIGHT CONCRETE MECHANICAL, ELECTRICAL, AND PLUMBING DOCUMENTS MANUFACTURER MASONRY	REB REF REINF RCP REQ'D RFI REV R RD RM RO S SCHED SEC SHTG SIM SOG S S (S) SPEC SQ STAG STD STL	REFERENCE REINFORCE, REINFORCEMENT REFLECTED CEILING PLAN REQUIRED REQUEST FOR INFORMATION REVISION RISER ROOF DRAIN ROOM ROUGH OPENING SCHEDULE SECTION SHEATHING SIMILAR SLAB ON GRADE SOUTH SIMPSON SPECIFICATION SQUARE STAGGERED STANDARD STEEL
DR DN DS DWG E EA E E (E) EF EIFS ELEC EN ELEV EMBED EOS EOR EQ EQUIP EW EXIST EXP EXC EJ	DOWNSPOUT DRAWING EACH EAST EXISTING EACH FACE EXTERIOR INSULATION FINISHING SYSTEMS ELECTRIC EDGE/END NAIL ELEVATION, ELEVATOR EMBEDMENT EDGE OF SLAB ENGINEER OF RECORD EQUAL EQUIPMENT EACH WAY EXISTING EXPANSION EXCAVATION EXPANSION JOINT	KO L LB LBL LAM LAV LVL LU LT LOC'N LSL LWC MEP MFR MAS	POUND(S) LABEL LAMINATED LAVATORY LAMINATED VENEER LUMBER LIVE LOAD LIGHT LOCATION LAMINATED STRAND LUMBER LIGHT WEIGHT CONCRETE MECHANICAL, ELECTRICAL, AND PLUMBING DOCUMENTS MANUFACTURER MASONRY	REB REF REINF RCP REQ'D RFI REV R RD RM RO S SCHED SEC SHTG SIM SOG S S (S) SPEC SQ STAG STD	REFERENCE REINFORCE, REINFORCEMENT REFLECTED CEILING PLAN REQUIRED REQUEST FOR INFORMATION REVISION RISER ROOF DRAIN ROOM ROUGH OPENING SCHEDULE SECTION SHEATHING SIMILAR SLAB ON GRADE SOUTH SIMPSON SPECIFICATION SQUARE STAGGERED STANDARD
DR DN DS DWG E EA E (E) EF EIFS ELEC EN ELEV EMBED EOS EOR EQ EQUIP EW EXIST EXP EXC EJ EXT EXT	DOWNSPOUT DRAWING EACH EAST EXISTING EACH FACE EXTERIOR INSULATION FINISHING SYSTEMS ELECTRIC EDGE/END NAIL ELEVATION, ELEVATOR EMBEDMENT EDGE OF SLAB ENGINEER OF RECORD EQUAL EQUIPMENT EACH WAY EXISTING EXPANSION EXCAVATION EXCAVATION EXPANSION JOINT EXTERIOR	KO L LB LBL LAM LAV LVL LU LT LOC'N LSL LWC MEP MFR MAS MO	POUND(S) LABEL LAMINATED LAVATORY LAMINATED VENEER LUMBER LIVE LOAD LIGHT LOCATION LAMINATED STRAND LUMBER LIGHT WEIGHT CONCRETE MECHANICAL, ELECTRICAL, AND PLUMBING DOCUMENTS MANUFACTURER MASONRY	REB REF REINF RCP REQ'D RFI REV R RD RM RO S SCHED SEC SHTG SIM SOG S S (S) SPEC SQ STAG STD STL	REFERENCE REINFORCE, REINFORCEMENT REFLECTED CEILING PLAN REQUIRED REQUEST FOR INFORMATION REVISION RISER ROOF DRAIN ROOM ROUGH OPENING SCHEDULE SECTION SHEATHING SIMILAR SLAB ON GRADE SOUTH SIMPSON SPECIFICATION SQUARE STAGGERED STANDARD STEEL
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		SYMBOLS & MATERIAL	<u>_S</u>	
STRUCT SF	STRUCTURAL SQUARE FEET	STRUCTURAL FILL		FINISHED WOOD
SUSP SQ SW	SUSPENDED SQUARE SHEAR WALL	UNDISTURBED EARTH		PLYWOOD
SYMM <u>T</u>	SYMMETRY, SYMMETRICAL	DISTURBED EARTH		RIGID INSULATION
TBD TBU	TO BE DETERMINED/DESIGNED TO BE UPDATED	GRAVEL		BATT INSULATION
TEL TEMP T&B	TELEPHONE TEMPERED, TEMPORARY TOP AND BOTTOM	POURED CONCRETE		SPRAYFOAM INSULATION
T&G THK THRU	TONGUE AND GROOVE THICK THROUGH	CONCRETE BLOCK VENEER		SAND, PLASTER, GROUT
T.O. T.O.B. T.O.C.	TOP OF TOP OF BRICK TOP OF CONCRETE	BRICK VENEER		METAL
T.O.S. T.O.W. T.O.M.	TOP OF SLAB TOP OF WALL TOP OF MASONRY	EIFS		STEEL
т түр	TREAD TYPICAL	ROUGH WOOD		GYPCRETE
<u>U</u> UBC	UNIFORM BUILDING CODE	BLOCKING		FLOOR SHEATHING
UNO UTIL	UNLESS NOTED OTHERWISE UTILITY	XX SX.XX	\oplus	HOLD DOWN
⊻ ∨B	VAPOR BARRIER			HANGER
VNR VERT VCT	VENEER VERTICAL VINYL COMPOSITION TILE	XX ELEVATION	$\widehat{\mathbb{A}}$	REVISION NUMBER
VIF <u>W</u>	VERIFY IN FIELD	DETAIL	$\langle \times \rangle$	KEY NOTE
WF WD	WIDE FLANGE WOOD	SX.XX	<×>	
WIN WP WRB	WINDOW WATERPROOF (ING) WEATHER RESISTANT BARRIER	XX ITEM IDENTIFICATION SX.XX SHEET WHERE FOUND		
WWF WWM WT	WELDED WIRE FABRIC WELDED WIRE MESH WEIGHT	NORTH ARROW		
W W/ W/O	WEST, WASHER WITH WITHOUT			
	<u>BOLS USED AS</u> REVIATIONS			
& AND L ANGLE 2L DOUB	E BLE ANGLE			
@ AT ⊈ CENTE u CHAN	ERLINE NEL			
Ø DIAMI # NUME				
		S-1	02	
		LEVEL 1 DISCIPLINE DESIGNATOR		PLAN TYPE SEQUENCE NUMBER SHEET TYPE DESIGNATOR
		<u>* NOTE</u>	*	
		THE SYMBOLS AND ABBREVIATION MAY OR MAY NOT BE USED IN	NS SHOWN OF	

S-00 ²

STRUCTURAL TITLE SHEET

DRAWN	4: MES	CHECKED: KLJ
DATE:	11/19/20	24
#	RE\	/ISIONS:

LEON JOHNSON HAI MONTANA STATE UNIVE ROOM #346 PPA#: 23-0828

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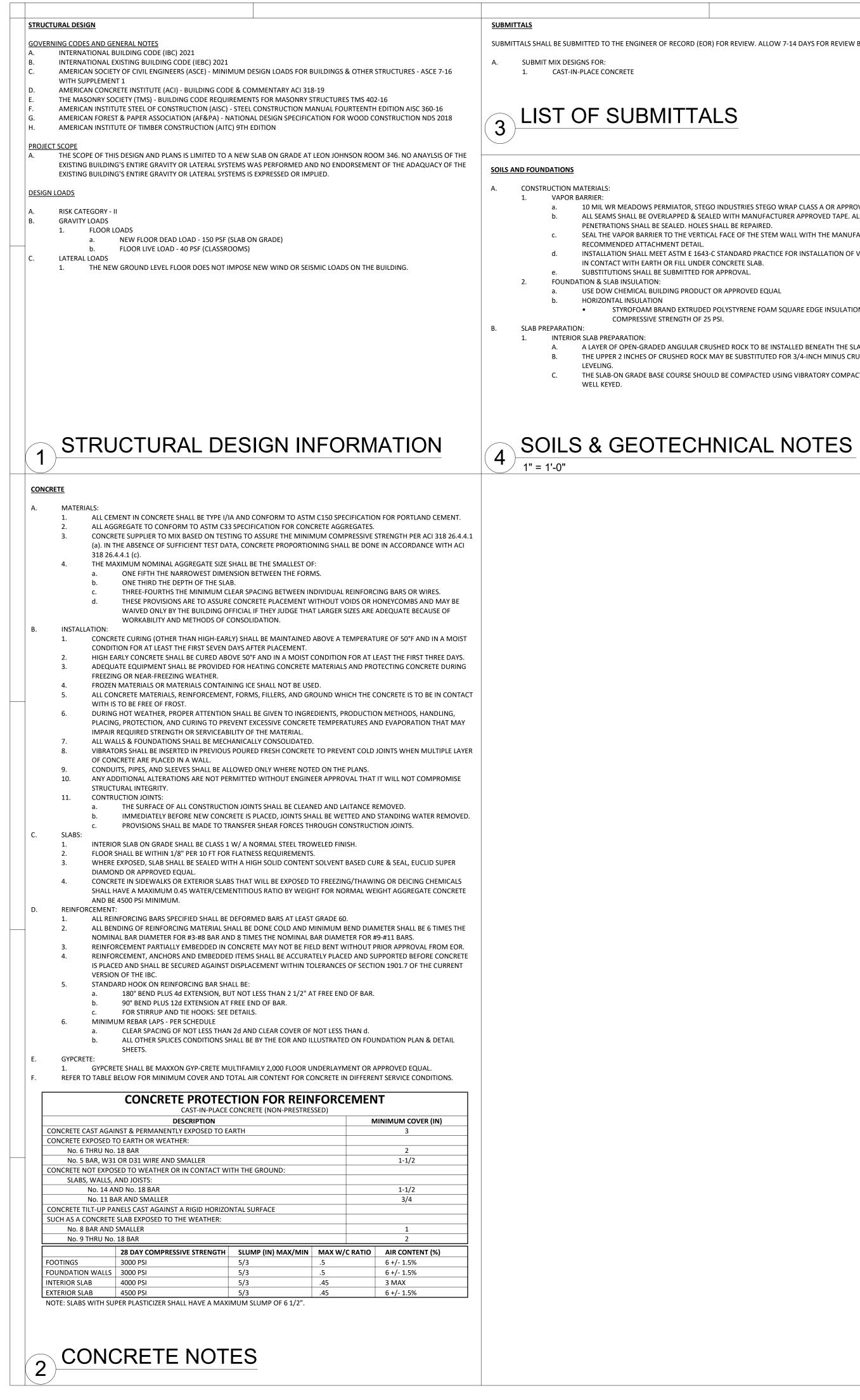
FOR PERMIT & BIDDING

KALISPELL BOZEMAN VANCOUVER 406-755-3208 406-586-0707 360-852-8746 info@jackola.com jackola.com

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S-001 STRUCTURAL SHEET INDEX S-002 STRUCTURAL TITLE SHEET S-002 STRUCTURAL NOTES S-111 FRAMING PLAN

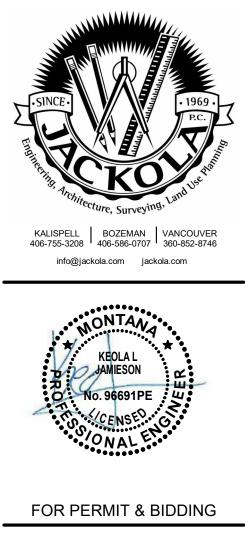


SUBMITTALS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD (EOR) FOR REVIEW. ALLOW 7-14 DAYS FOR REVIEW BY THE EOR.

- 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.
- a. USE DOW CHEMICAL BUILDING PRODUCT OR APPROVED EQUAL
 - STYROFOAM BRAND EXTRUDED POLYSTYRENE FOAM SQUARE EDGE INSULATION W/ MIN
 - COMPRESSIVE STRENGTH OF 25 PSI.

A. A LAYER OF OPEN-GRADED ANGULAR CRUSHED ROCK TO BE INSTALLED BENEATH THE SLAB WHERE SHOWN. 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



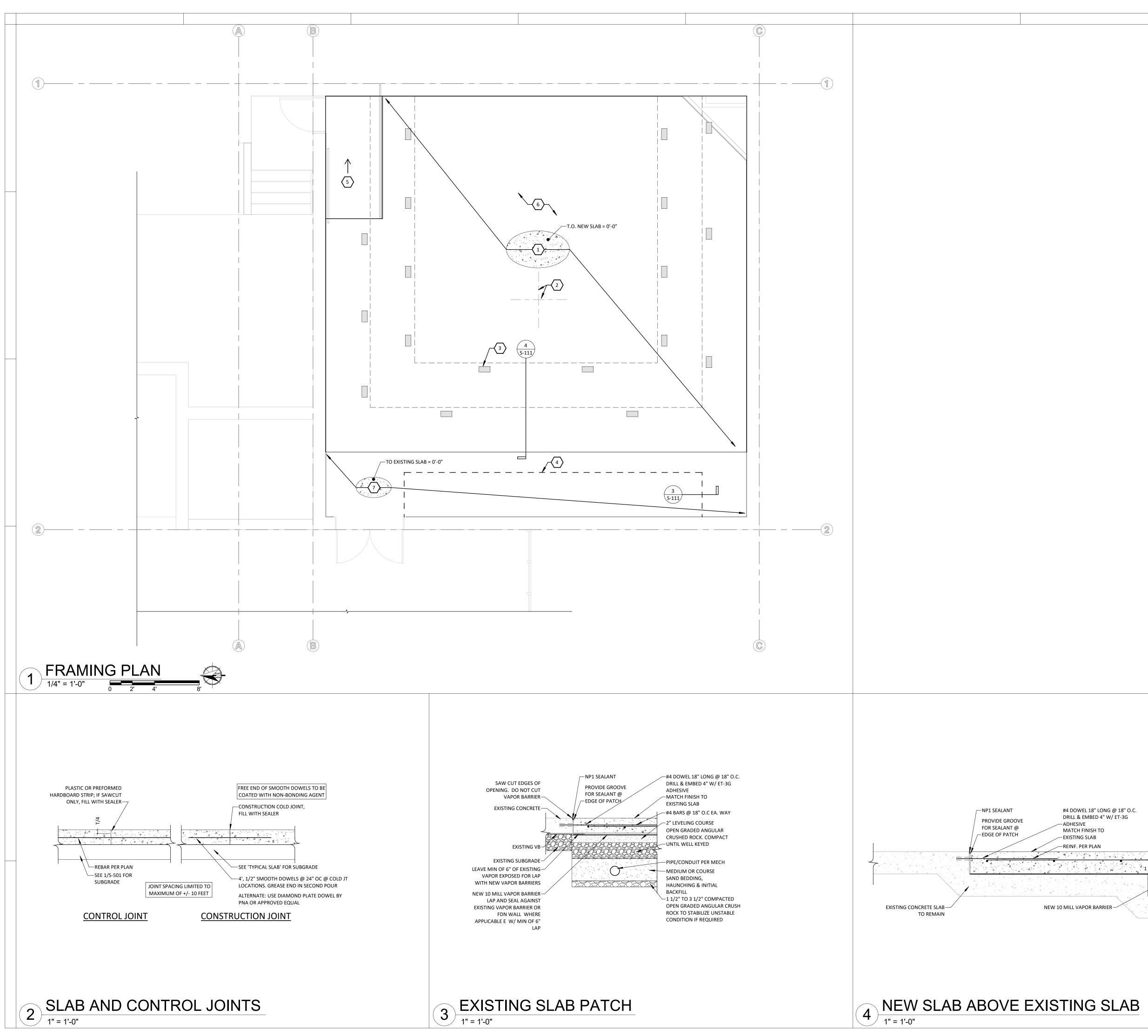
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> STRUCTURAL NOTES



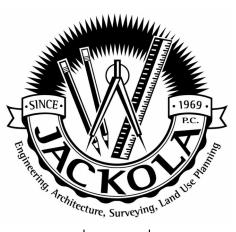
LEGEND		
	CONTROL JOINT	
	CONCRETE SLAB	

GENERAL NOTES: A. SEE S-501-S50X FOR TYPICAL DETAILS.

- B. SEE S-001-S-00X FOR DESIGN CRITERIA AND GENERAL
- STRUCTURAL NOTES. C. DIMENSIONS ARE SHOWN FOR INFORMATION ONLY. LAYOUT SHOULD BE COORDINATED WITH ARCHITECTURAL PLANS.
- D. DIMENSIONS ARE SHOWN TO OUTSIDE OF FRAMING AND
- OUTSIDE OF CONCRETE UNLESS NOTED OTHERWISE. E. VERIFY FINAL OPENING DIMENSIONS IN WALLS, SLABS, AND
- ROOFS WITH OTHER DISCIPLINE DRAWINGS PRIOR TO CONSTRUCTION OF THESE ELEMENTS. F. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING OR HAVING LOCATED THE BUILDING ON THE SITE AND VERIFYING ALL FOUNDATION DIMENSIONS, AND SETBACK REQUIREMENTS FROM EASEMENTS AND PROPERTY LINES WITH THE ARCHITECT
- PRIOR TO CONSTRUCTION. G. COORDINATE GROUNDING ELECTRODE REQUIREMENTS WITH ELECTRICAL DRAWINGS AND CONTRACTOR.

KEYNOTES

- 4" MIN. THICKNESS SLAB ON GRADE ON TOP OF (E) SLAB ON GRADE. REINFORCE W/ #4 BARS @ 18" OC EA WAY TOP
- CONTROL JOINT SEE 02/S-501 EXISTING VENTS. COVER
- SAWCUT AND PATCH EXISTING SLAB FOR NEW MECH.
- NEW RAMP TO EXISTING DOOR
- FILL SPACE UNDER SLAB WITH UP TO 14" OF COMPACTED GRANULAR STRUCTURAL FILL
- EXISTING SLAB TO REMAIN



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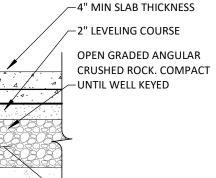
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FRAMING PLAN

S-111

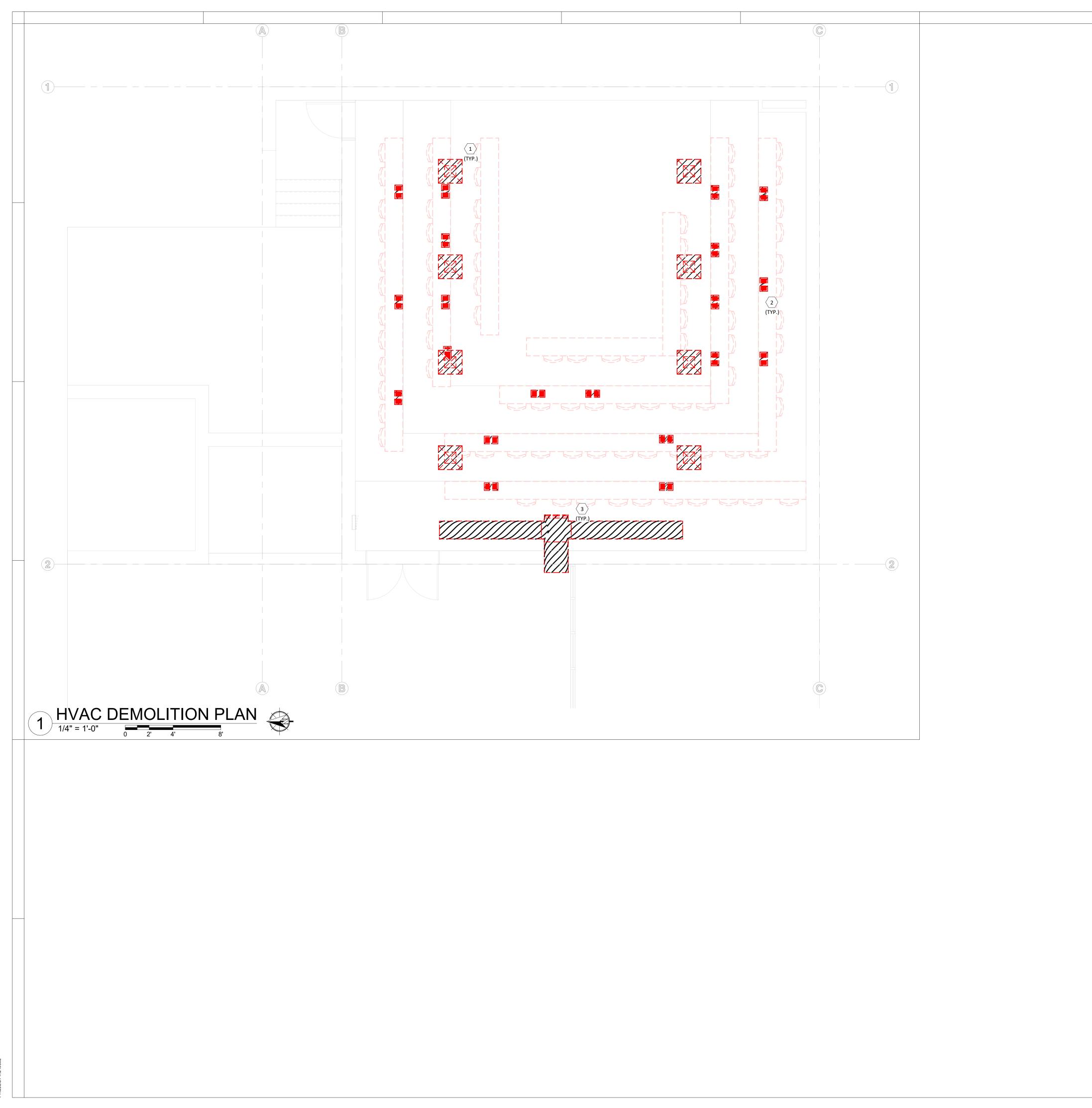
-	#4 DOWEL 18" LONG @ 18" O.C.
DOVE	DRILL & EMBED 4" W/ ET-3G
·@	-ADHESIVE
СН	MATCH FINISH TO
	-EXISTING SLAB
	-REINF. PER PLAN
4	
· · · · · · · · · · · · · · · · · · ·	
4	
NEW	10 MILL VAPOR BARRIER



-ALTERNATIVE: FILL SPACE UNDER SLAB WITH 25PSI RIGID INSULATION

PROJECT GENERAL NOTES	GENERAL MECHANICAL NOTES	ABBREVIATIONS		PLUMBING AND PIPING SYMBOLS
PROJECT GENERAL NOTES REMOVE ALL NUSSED PIPING, DUCTWORK AND ACCESSORIES. THE MECHANICAL CONTRACTOR SHALL BE RESONNIEL FOR FILED VERTIFING ROTO TO HALB LOSS FROMMITY OF TOWART SPACE. WONTRACTOR SHALL BE ADDITION OF BERS FROM CONSTRUCTION, PRESS CALL WITTIN THE HINTS OF CONSTRUCTION, PRESS CALL WITS OF DOMESTICATION OF STATO OF WORK, UNFALL DRAWS AT COMPLETION OF CONSTRUCTION, SHALL BE FAMILIAR WITH ALL THE CONTRACTOR SHALL BE CANCEL AND ELUDIVENT TO MERSION STATE, AND ONE OF THIS TO THE THE STATE AND FUNCTION TO THE SHALL CONTROL SYSTEMS, AND SHALL BE CANCEL AND ENDING, BUT NOT HINTS, AND MOLTAND THE STATE, AND ONE CONTROL TO MERSION TO CALL REQUIREMENTS OF PHICABLE FORMAL, STATE, AND ONCE. CODE, AND THE STATE, AND ONLY FROM THE SACE ABOVE DELECTION AND ENDING DUTO'S THE SACE ABOVE DELECTIONAL BULLIONS OF HER RATED WALLS REFER TO SPECIFICATION. FRANCES ADOLOUNDES SEE TO RODERUP. TO THE SAND DUCUS THING AND DUCH AND PRIVER AND DUCUS AND PRIVER AND DUCUS AND FROM THAN THE SECURCIDAL, AND BOOK ADUST PRIVE AND DUCUMARY AND DUCHAVEL SEE TO AND PRIVENT AS INDUCATED DIVERS AND DUCUMORY AND EQUIDARY AND AND AND AND AND DUCUMARY AND BULL CONTROLS. SEE TO RODERUP. THE THE RATED MARK AND COMMENT AS THE ALL DUCUMORY AND BULL CONTROLS SEE TO AND PRIVENT AND INDERFRONT AND	 GENERAL MECHANICAL NOTES INSTALLATION OF THE MICHANICAL SYSTEM SHALL BE BY A LICENSED CONTRACTOR PER THE STATE BUILDING, MECHANICAL DENGS, PRE PUILMING AND HEATH CODEX AND REGULATIONS AS ADOPTED BY LOCAL JURISOCITIONS. ALL COUPMENT SHALL BE THE CAPACITY AND TYPE AS SHOWN ON THE COUPMENT SHALL BE THE CAPACITY AND TYPE AS SHOWN ON MICH ARE NOT SPECIFICALLY CALLED FOR OR SHOWN BUT ARE REQUIRED TO AL COMPLETE INMINER OR SHALL BE AN EQUILA APPROVED BY THE OWNER/RENORMER. CONTRACTOR A COMPLETE NOT THE DISCREPARCIES AND TENS WHICH ARE NOT SPECIFICALLY CALLED FOR OR SHOWN BUT ARE REQUIRED TO AL COMPLETE INTERMINENTIAL BE AN EQUILA INTERN REQUIRED TOR A COMPLETE SYSTEM READY FOR THE OWNER'S BENEFICICAL USE AND THE OWNER AND PAIL CARLE INTELLIBOR DECTS IN MATERIC STREMMENT AND ITTLE AND SHALL BE OF THE NON AND QUALITY DESCRED HEERIN. IF IT APPEARS WITH THE ARCHITECT/SINNIERE'S APROVAL. ALL COUPMENT SUPPLIED TOR THES SPECIFICATIONS SHALL BE PERSON WITH THE ARCHITECT/SINNIERE'S AND TITLE AND SHALL BE OF THE KING AND CULL ATTY DESCRED HEERIN. IF IT APPEARS WITH THE ARCHITECT/SINNIERE'S AND TITLE AND SHALL BE OF THE KING AND CULL ATTY DESCRED HEERIN. IF IT APPEARS AND THE OND ATTIC THE AND ALL COLFTANCE THAT EQUIVMENT DODS NOT MEET THE WARDANTES REPOVE, THE CHAIL SECOND WITHOU OF ANTICATION SHALL APPLY (THE WARDANT SHALL STAT FROM THE TIME OF ANALLECTION SHALL APPLY (THE WARDANT SHALL STAT FROM THE TIME OF ANCHITECT/SINNIERE'S AND CRETIFICATES REQUIRED BY THE AUTHORITIS SCHEDULE. COONDINATE THE CONSTRUCTION SCHEDULE WITH THE CA CAND PERSOMA ALL REQUIRED WORK IN STICL CARCENTARCE WITH THE OWNER'S SCHEDULE. MECHANCIL CONSTRUCTION SCHEDULE AND SCHEDULE AND ACHITECT/CHAIL STATE THEODILE AND ACTION AND CARLE CONSTRUCTION SCHEDULE AND ADD CRAY FOLYSTER HILL APPLY THE WARDANT SHALL REQUIRED WORK IN STICL CARCENTARCE WITH THE OWNER'S SCHEDULE. MECHANCIL CONTRACTOR SHALL PAY FOR AND ORTHONIC SCHEDULE AND ADOPTH AND AND CRAY THE ADO	Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø AC ARC ONDITONING AD ARCA DRAIN AD ADDENDUM AFLE ARCHTECTARCHISELD FLOOR AFLE ANUAL FUEL UTILIZATION EFFCIENCY ALT ATLENARTE ARCHTECTARCHITECTURAL BFF BELOW ENISHED FLOOR BUV BELOW BUTU BRITISH THERMAL UNTS BTU BRITISH THERMAL UNTS CLA CLACH BASIN CCA CATCH BASIN CCA CLACH BASIN CLACH CLACH	<section-header></section-header>	CONVENTIONAL SUPPORTAGE CONVENTION CONVENTIONAL SUPPORTAGE CONVENTION
	 TESTING, ADJUSTING, AND BALANCING. HVAC SYSTEMS SHALL BE TESTED, ADJUSTED, AND BALANCED (TAB) BY CONTRACTOR CERTIFIED BY THE AABC, NEBB, OR OTHER APPROVED AGENCY. REFRIGERATION PIPING SHALL BE TESTED UNDER PRESSURE AND PROVEN TO BE LEAK FREE. REFRIGERATION SYSTEM SHALL BE STARTED UP AND BROUGHT DOWN TO DESIGN TEMPERATURE. 11. MECHANICAL, HVAC, AND PLUMBING ELEMENTS SHALL AT NO TIME COME IN CONTACT WITH CEILING CONSTRUCTION EXCEPT AS NECESSARY PENETRATIONS MAY REQUIRE. ESCUTCHEONS SHALL BE USED ON ALL VISIBLE PENETRATIONS 12. ACCESS SHALL BE PROVIDED BY GC AS REQUIRED FOR INSTALLATION AND MAINTENANCE OF MECHANICAL, ELECTRICAL, AND OTHER ELEMENTS WITHIN CEILING SPACE AND AS REQUIRED BY CODE. LOCATIONS FOR SPECIAL ACCESS DOORS, HATCHES, ETC. SHALL BE COORDINATED WITH OTHER TRADES. 13. INSPECTIONS, AS REQUIRED BY LOCAL AUTHORITIES, SHALL BE COORDINATED BY GC PRIOR TO CLOSING OF CEILING. 14. SHOP DRAWINGS FOR ALL RELATED TRADES (PLUMBING, HVAC) SHALL BE SUBMITTED FOR REVIEW/APPROVAL PRIOR TO MANUFACTURING AND INSTALLATION. 15. ALL HVAC ELEMENTS SHALL MATCH ADJACENT WALL OR CEILING FINISH COLOR, INSTALLED FLUSH AND TRUE AND CENTERED WITHIN THE CEILING GRID. LOCATIONS SHALL BE PER APPROVED MECHANICAL PLANS. 16. ALL BROCHURES, OPERATING MANUALS, CATALOGS, SHOP DRAWINGS, ETC. SHALL BE TURNED OVER TO THE OWNER AT JOB COMPLETION. ALL PRODUCT WARRANTY REGISTRATION CARDS, APPLICATIONS, AND CERTIFICATES SHALL BE COMPLETED AND 	NONUMBERNONORMALLY OPENNTSNOT TO SCALEOOXYGENO/AOUTSIDE AIRORDOVERFLOW ROOF DRAINPDPRESSURE DROPPIVPOST INDICATOR VALVEPLBGPLUMBINGPRESSPRESSUREPRVPRESSURE REDUCING VALVEPSIPOUNDS PER SQUARE INCHPSIGPOUNDS PER SQUARE INCH GAUGEPWRPOWERRDUCT RISERR/ARETURN AIRRCPRADIANT CEILING PANELRDROOF DRAINRECRECESSEDREDREDUCERRHRELATIVE HUMIDITYRL/ARELIEF AIRRMROOMRPMREVOLUTIONS PER MINUTERWRAIN WATERSFSQUARE FOOTS/ASUPPLY AIRSANSANITARYSFSQUARE FOOTSDSMOKE DAMPERSMSURFACE MOUNT	FRESH AIR Q-DUCT OR SIMILAR BARRIER BARRIER BARRIER WHERE UNCONDITIONED RETURN AIR RELIEF AIR TRANSFER AIR GENERAL EXHAUST AIR MIN. R-12 INSULATION & VAPOR BARRIER, PRE-ENGINEERED Q-DUCT OR SIMILAR MIN. R-6 INSULATION & VAPOR BARRIER MIN. R-6 INSULATION WHERE UNCONDITIONED RETURN AIR GENERAL EXHAUST AIR N/A LINE GRILLE PLENUM AND FIRST 6 FT OF DUCT MIN. R-6 INSULATED INCONDITIONED RETURN AIR PLENUMS @ GRILLES N/A LINE GRILLE PLENUM AND FIRST 6 FT OF DUCT MIN. R-6 INSULATED FT OF DUCT MIN. R-6 INSULATED GREASE EXHAUST AIR N/A N/A MIN. R-6 GREASE DUCT FIRE INSULATION. FYREWRAP ELITE OR SIMILAR I. ALL DUCT DIMENSIONS INDICATE INSIDE FREE DIMENSIONS AND <u>DO NOT</u> INCLUDE INSULATION THICKNESS. . . I. ALL DUCT DIMENSIONS INDICATE INSIDE FREE DIMENSIONS AND <u>DO NOT</u> INCLUDE INSULATION (1 1/2" THICKNESS, 0.24 K VALUE). . 2021 INTERNATIONAL ENERGY CONSERVATION CODE NOTES . . I. PROVIDE COMMISSIONING PLAN IN ACCORDANCE WITH INTERNATIONAL ENERGY CONSERVATION CODE SECTION C408.2.1. . PROVIDE COMMISSIONING COMPLIANCE REPORT IN ACCORDANCE WITH INTERNATIONAL ENERGY CONSERVATION CODE SECTION C407.3.2. . PROVIDE COMMISSIONING COMPLIANCE REPORT IN ACCORDANCE WITH INTERNATIONAL ENERGY CONSERVATION CODE SECTION C408.2.1. .	SQUARE DUCT SIZE TAG (WIDTH x HEIGHT) S/A SUPPLY AIR 16"x8" OVAL DUCT SIZE TAG (WIDTH / HEIGHT) S-O/A CONDITIONED 16"ø ROUND DUCT SIZE TAG (DIAMETER) O/A OUTSIDE AIR (E) EXISTING DUCT TAG RETURN AIR DUCT BEING DEMOLISHED T/A RETURN AIR DROP RECTANGULAR SUPPLY/OUTSIDE AIR DUCT RISE L/A RELIEF AIR DROP ROUND SUPPLY/OUTSIDE AIR DUCT RISE E/A EXHAUST AIR DROP RECTANGULAR RETURN/TRANSFER V-E/A VENTILATION I
PROJECT #240602		VAV VARIABLE AIR VOLUME VENT VENTILATION VTR VENT THROUGH ROOF W WASTE WB WET BULB WCO WALL CLEAN OUT WH WALL HYDRANT	EVEL 1 DISCIPLINE DESIGNATOR LEVEL 1 DISCIPLINE DESIGNATOR PLAN TYPE SEQUENCE NUMBER LEVEL 2 DISCIPLINE DESIGNATOR SHEET TYPE DESIGNATORSHEET TYPE DESIGNATORSHEET TYPE DESIGNATOR	C/A COMBUSTION

PLUMBING AND PI	PING SYMBOLS	PIPE ACCESSORY TAGS	
— — — -CHWR — — —	CHILLED WATER RETURN	2" BALANCING	
	CHILLED WATER SUPPLY CONDENSER WATER RETURN	BALANCING VALVE	·SINCE·
CWS	CONDENSER WATER SUPPLY	1/4 TURN BALL VALVE	
GWR	GEOTHERMAL WATER RETURN	2" CHECK CHECK VALVE	KCKOX
GWS	GEOTHERMAL WATER SUPPLY	2" TMV 	Architecture, Surveying, Land
——————————————————————————————————————	HEATING WATER RETURN HEATING WATER SUPPLY	2" M-CNTRL	KALISPELL BOZEMAN VANCOUVER 406-755-3208 406-586-0707 360-852-8746
	REFRIGERANT-LIQUID	MOTORIZED CONTROL VALVE	info@jackola.com jackola.com
REF-S	REFRIGERANT-SUCTION	3 WAY MOTORIZED CONTROL VALVE	
— — REF-HG — — — — — — — — — — — — — — — — — — —	REFRIGERANT-HOT GAS DIRECT VENT - INTAKE	2" PRV PRESSURE REDUCING VALVE	NONTAN
— — — DV-E— — — —	DIRECT VENT - EXHAUST	3/8" SOLENOID REFRIGERANT SOLENOID VALVE	ARNOLD
CD	CONDENSATE DRAINAGE	2" BUTTERFLY	No. 71046 PE
NG	NATURAL GAS	BUTTERFLY VALVE	CENSEP.
GRILLES, REGISTERS &	DIFFUSERS TAG	PIPE SYMBOLS	UNAL
TYPE (SEE SCHEDULE)	CFM		
CONE DIFFUSER	NECK SIZE / MODULE SIZE THROW-150FPM/ 100FPM/ 50FPM	PIPE TEE	FOR PERMIT & BIDDING
	THROW PATTERN	CAP	
RFORATED DIFFUSER S-1 300* 8"x8"/24"x24"	MAX NC RATING	GENERAL DRAWING SYMBOLS	IS PROPRIETARY. THIS DOCUMENT MAY NOT BE USED OR REPRODUCED WITHOUT THE WRITTEN CONSENT OF JACKOLA ENGR. & ARCH., P.C.
WITH DEFLECTORS			
DUND DIFFUSER WITH DJUSTABLE PATTERNS		REVISION NUMBER - SHOWN ON PLANS	
	EGGCRATE RETURN GRILLE	POINT WHERE NEW CONNECTS TO EXISTING	
UVERED DOUBLE S-2 500 EFLECTION GRILLE 12"x10"/	R-2 500 12"x10"/24x12	- NUMBER OF DETAIL ON SHEET	
LS-1 400	LOUVERED GRILLE		
NEAR BAR GRILLE 48"x2 1/2"	LINEAR DIFFUSER TAG		
TYPE (SEE SCHEDULE) - LS-2 200	NUMBER OF SLOTS /	CONTINUATION SYMBOL	
LS-2 200	NECK SIZE	Room 1 ROOM NAME AND NUMBER	\succ
1 / 4' - 0" /9"/5"	ELEVATION (CENTER OF FACE) SECTION TOTAL TRACK LENGTH		
NEAR SLOT DIFFUSER	LS-2 200 1 / 4' - 0" /9"/5"	ITEM TO BE DEMOLISHED	ຸທ
	B INLET COLLAR DAMPER		
MECHANICAL EQUI		DAMPER TAGS	I M M
			HA
(VAV-XX) Htg: 3.7 GPM — HEATING COIL FLOW	OPERATING WEIGHT 590 lb	B MANUAL BALANCING DAMPER	7 Z
Ġ	RTU-XX	D BACKDRAFT DAMPER	828 O
VAV-XX 10' - 0"-BOTTOM OF EQUIPMENT	4.0 ton		SO #346 3-0822
		C C COMBINATION FIRE/SMOKE DAMPER	<u> </u>
EXISTING EQUIPMENT		F FIRE DAMPER	H N N N N N N N N N N N N N N N N N N N
	GAS PIPE FLOW - 115 CFH	S SMOKE DAMPER	O S S S S S S S S S S S S S S S S S S S
VAV-XX REFER TO OTHER DISCIPLINE FOR ADDITIONAL INFORMATIO	IN)		
		MOTORIZED DAMPER	z⊻
HVAC SYN	MBOLS	MECHANICAL CONTROL DEVICE TAGS	AN
		SYMBOL EQUIPMENT ID	шŅ
		TH RTU-XX TEMPERATURE & HUMIDITY SENSOR	
SQUARE DUCT SIZE TAG (WIDTH x HEIGHT)	S/A SUPPLY AIR	TS VAV-XX TEMPERATURE SENSOR	0
OVAL DUCT SIZE TAG	S-O/A CONDITIONED OUTSIDE AIR	T THERMOSTAT C CONTROLLER	Š
(WIDTH / HEIGHT)	L	LT LOW VOLT TIMER	
(DIAMETER)	O/A OUTSIDE AIR	MS MANUAL SWITCH S SENSOR	
EXISTING DUCT TAG	R/A RETURN AIR	CO2 CARBON DIOXIDE SENSOR	
DUCT BEING	T/A TRANSFER AIR	CO CARBON MONOXIDE SENSOR NO2 NITROGEN DIOXIDE SENSOR	
DEMOLISHED RECTANGULAR		HS HUMIDITY SENSOR	
SUPPLY/OUTSIDE AIR DUCT RISE	L/A RELIEF AIR	H HUMIDISTAT	
ROUND SUPPLY/OUTSIDE AIR DUCT RISE	E/A EXHAUST AIR	MECHANICAL SHEET INDEX	
RECTANGULAR RETURN/TRANSFER AIR DUCT RISE	V-E/A VENTILATION EXHAUST AIR	M-001 MECHANICAL TITLE SHEET MD111 MECHANICAL DEMOLITION PLAN	
ROUND RETURN/TRANSFER	D-E/A DRYER EXHAUST AIR	M-111 HVAC PLAN M-131 HVAC RCP	DATE: 11/19/2024
RECTANGULAR EXHAUST/RELIEF	GREASE EXHAUST AIR		# REVISIONS:
- Air duct rise	S-E/A SMOKE EXHAUST AIR		
	FLUE EXHAUST GAS FLUE		
	C/A COMBUSTION AIR		
			MECHANICAL
			TITLE SHEET
		<u>* NOTE *</u>	M-001
		THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.	



MD111

MECHANICAL DEMOLITION PLAN

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SZ STA ROON HΟΓ MONTANA

M #346 23-0828

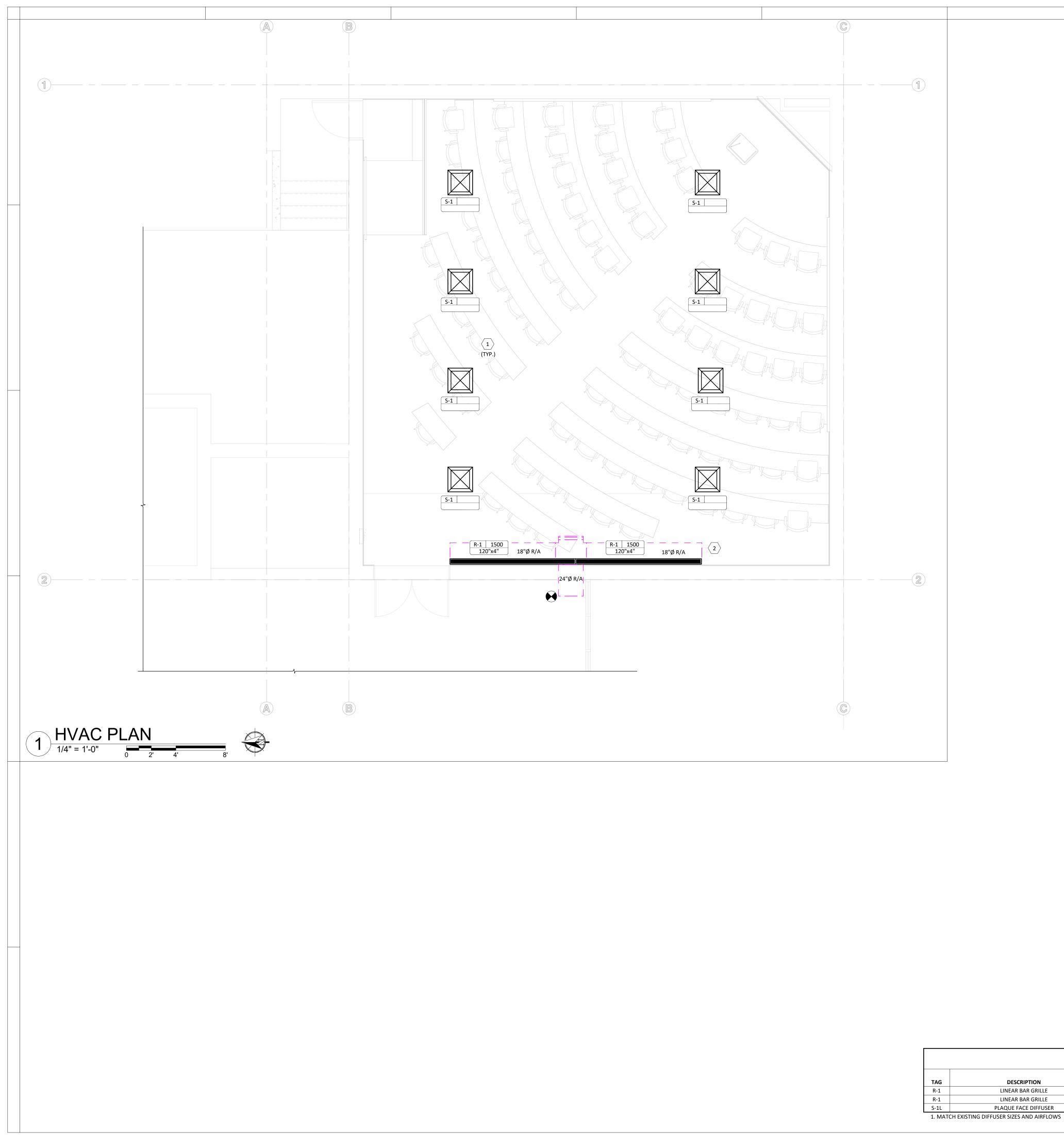


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KEYNOTES

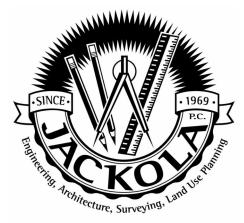
- DEMOLISH EXISTING DIFFUSERS AND PREP FLEXIBLE DUCT FOR CONNECTION TO NEW AIR OUTLET.
- 2 CAP EXISTING RETUN DIFFUSERS IN THE FLOOR IN PREARATION FOR COVERING WITH CONCRETE. ABANDON IN PLACE.
- REMOVE EXISTING DUCT IN THIS LOCATION IN PREPARATION FOR NEW DUCT BELOW SLAB. CAP EXISTING NOT DEMOLISHED DUCT AND ABANDON IN PLACE.



		INT	ERIO
TAG	DESCRIPTION		MANU
R-1	LINEAR BAR GRILLE		-
R-1	LINEAR BAR GRILLE		-
S-1L	PLAQUE FACE DIFFUSER		1
1 MAT	CH EXISTING DIFFUSER SIZES AND AIRELOWS		

KEYNOTES

- 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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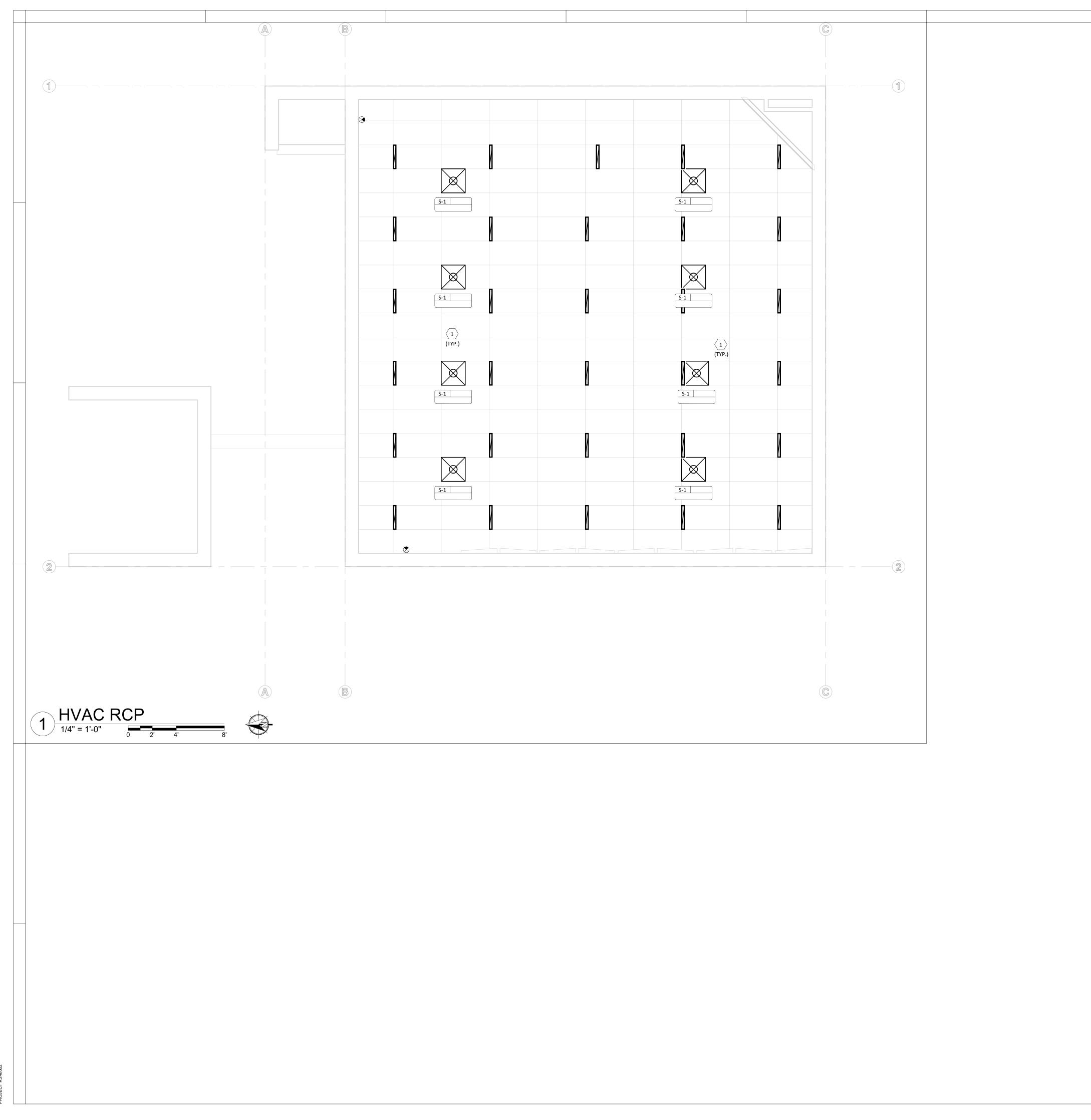
DATE: 11/19/2024

REVISIONS:

HVAC PLAN

M-111

OR AIR INLETS & OUTLETS SCHEDULE						
BASIS OF D	ESIGN			INSTALLA	ATION	
NUFACTURER	MODEL NO.	FINISH	FACE SIZE	BORDER TYPE	DAMPER	REMARKS
Titus	CT-PP-0	WHITE ENAMEL		TYPE 1		
Titus	CT-PP-0	WHITE ENAMEL		TYPE 1		
TITUS	OMNI	WHITE ENAMEL	24"x24"	TYPE 3 (LAY-IN)		1



M-131

HVAC RCP

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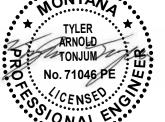
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KEYNOTES

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



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		ELECTRICAL SYMBOL L	LEGEND			GENERAL ELECTRICAL NO	OTES AND SPECIFICATIONS	
SYMBOL C H H C S S S S S S S S S S S S S	DESCRIPTION SURFACE LIGHT (TYPE DENOTED) WALL MOUNTED FLOODLIGHT (TYPE DENOTED RECESSED LIGHT (TYPE DENOTED)	SYMBOL DESCRIPTION STATIC GROUND RECEPTACLE LIGHTNING PROTECTION AIR T LIGHTNING PROTECTION CONE GROUND ROD (PLAN VIEW)	TERMINAL	DESCRIPTION FIRE ALARM HORN W/STROBE (CANDELAS) FIRE ALARM BELL FIRE ALARM BELL W/STROBE (CANDELAS)	 <u>GENERAL NOTES:</u> ALL WORK SHALL CONFORM TO ALL APPLICABLE REQUIREMENTS OF FEDERAL AND STATE CODES, REGULATIONS, LAWS AND ORDINANCES, LOCAL LAWS AND REGULATIONS, LOCAL JURISDICTIONS, AND THE AUTHORITY HAVING JURISDICTION (AHJ). ALL ELECTRICAL WORK UNDER THE REQUIREMENTS OF THESE 	CONTRACTOR RESPONSIBILITIES: 1. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL ELECTRICAL WORK AND TO PROVIDE COMPLETE AND WORKING SYSTEMS COMPLYING WITH THE CONTRACT DOCUMENTS. ALL PROPOSED DEVIATIONS FROM CONTRACT DOCUMENTS SHALL BE SUBMITTED AND APPROVED BEFORE EXECUTION OF THE AFFECTED WORK.	 <u>GROUNDING AND BONDING FOR ELECTRICAL SYSTEM:</u> 1. GROUNDING AND BONDING WORK SHALL COMPLY WITH REQUIREMENTS OF NEC, LOCAL UTILITY, TELEPHONE COMPANY REQUIREMENTS, AND AHJ. a. UNLESS SPECIFICALLY INDICATED TO BE EXCLUDED, PROVIDE ALL REQUIRED COMPONENTS, CONDUCTORS, CONNECTORS, CONDUIT, BOXES, FITTING, SUPPORTS, 	2 <u>6</u> 1. 2
	SURFACE LINEAR LIGHT (TYPE DENOTED) SUSPENDED OR PENDANT LIGHT (TYPE DENOT SUSPENDED OR PENDANT LIGHT (TYPE DENOT RECESSED LINEAR LIGHT (TYPE DENOTED)			FIRE ALARM CHIME W/STROBE (CANDELAS) FIRE ALARM STROBE (CANDELAS) FIRE ALARM SPEAKER W/STROBE (CANDELAS) FIRE ALARM REMOTE ANNUNCIATOR	 ALL ELECTRICAL WORK UNDER THE REQUIREMENTS OF THESE SPECIFICATIONS SHALL MEET THE REQUIREMENTS OF THE CURRENT STATE ADOPTED EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND SHALL ALSO BE IN COMPLIANCE WITH ALL APPLICABLE STATE AND/OR LOCAL LAWS AND ORDINANCES. THE CONTRACTOR SHALL COOPERATE WITH AND ASSIST THE OWNER IN SECURING FROM THE AHJ ANY "SPECIAL PERMISSION" OR INTERPRETATION NEEDED TO COMPLETE THE 	 AFFECTED WORK. CONTRACTOR SHALL APPLY AND PAY FOR ALL REQUIRED PERMITS, FEES, LICENSES AND INSPECTIONS FOR ALL ELECTRICAL WORK. CONTRACTOR IS RESPONSIBLE FOR ANY DELAYS DUE TO THE EQUIPMENT THAT THEY PROVIDE. CONTRACTOR SHALL PROVIDE ALL MATERIALS, TOOLS, EQUIPMENT, LABOR AND SERVICES NECESSARY TO FURNISH AND INSTALL COMPLETE WORKING ELECTRICAL SYSTEMS. 	 ACCESSORIES, ETC. AS NECESSARY FOR COMPLETE GROUNDING AND BONDING SYSTEM. b. PROVIDE PRODUCTS LISTED, CLASSIFIED, AND LABELED AS SUITABLE FOR THE PURPOSE INTENDED, AND LABELED AS COMPLYING WITH UL 467 WHERE APPLICABLE. c. WHERE CONDUCTOR SIZE IS NOT INDICATED, SIZE TO 	3. 4. 5 6
	TRACK AND TRACK LIGHT (TYPES DENOTED) EMERGENCY BATTERY LIGHT (TYPE DENOTED) EXIT SIGN (TYPE DENOTED) LIGHT FIXTURE ON (EM) LIFE SAFETY BRANCH LIGHT FIXTURE ON (EM) CRITICAL BRANCH	POWER OR DISTRIBUTION PAN T TRANSFORMER (TYPE DENOTE PP POWER PACK (TYPE DENOTED) XX-1 MOTOR (SEE SCHEDULE) XX-1 MOTOR (SEE SCHEDULE) COMB. MOTOR STARTER (FUSE SAFETY DISC. SW. (NON-FUSED	ED) D) SED) SD) () () () () () () () () () (SMOKE DETECTOR (TYPE DENOTED) HEAT DETECTOR (TYPE & TEMP DENOTED) LINEAR HEAT DETECTOR DUCT SMOKE DETECTOR (TYPE DENOTED) REMOTE TEST/STATUS STATION FLAME DETECTOR (TYPE DENOTED) GAS DETECTOR (TYPE DENOTED)	 WORK. ALL DRAWINGS AND DETAILS PROVIDED ARE GENERAL IN NATURE AND MAY NOT REPRESENT ALL CONDITIONS AND DIMENSIONS FOR THE ACTUAL WORK. ELECTRICAL CONTRACTOR (EC) SHALL REVIEW ALL DOCUMENTS PROVIDED AND/OR REFERENCED. EC SHALL VISIT THE SITE TO VERIFY ALL EXISTING CONDITIONS INCLUDING: ACCESS TO WORK, VERIFICATION OF MEASUREMENTS, VERIFICATION OF QUANTITIES AND LOCATIONS LISTED HEREIN, POWER REQUIREMENTS, STAGING, DISPOSAL AND MATERIAL STORAGE. IF DRAWING OR SPECIFICATIONS ARE NOT AVAILABLE FOR A 	 UNLESS OTHERWISE INDICATED, MANUFACTURERS SPECIFIED IN THE DRAWINGS AND SPECIFICATIONS ARE BASIS OF DESIGN. APPROVED EQUAL PRODUCTS ARE ALSO ALLOWED IF: a. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND SUBMITTALS FOR ENGINEER AND ARCHITECTURAL REVIEW PRIOR TO CONSTRUCTION. b. AT A MINIMUM PROVIDE SUBMITTALS FOR ENGINEER AND ARCHITECTURAL REVIEW FOR LIGHTING AND ELECTRICAL DEVICES. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL ELECTRICAL MATERIAL RATINGS. PRIOR TO INSTALLATION, CONFIRM 	 REQUIRED BY THE AHJ. d. PROVIDE GROUNDING ELECTRODE SYSTEM. CONCRETE- ENCASED GROUNDING ELECTRODE (UFER GROUND) AT EACH ELECTRICAL SERVICE ENTRANCE. COMPLY WITH UL 467 FOR GROUNDING AND BONDING MATERIALS AND EQUIPMENT. REFER TO ELECTRICAL SINGLE DIAGRAM DETAIL. e. PROVIDE A COPPER EQUIPMENT GROUNDING CONDUCTOR IN ALL RACEWAYS. <u>CONDUIT FOR ELECTRICAL SYSTEM:</u> 1. PROVIDE CONDUIT FOR ALL WIRING. 	7. <u>27</u> 1. 2. <u>2</u> 1.
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	DAYLIGHT ZONE 1 DAYLIGHT ZONE 2 SINGLE POLE SWITCH 2 POLE SINGLE THROW SWITCH 3-WAY SWITCH 4-WAY SWITCH KEYED SWITCH SWITCH W/PILOT DIMMER SWITCH	Image: Safety disc. sw. (fused) Image: Relay Image: Safety disc. sw. (fused) Image: Relay Image: Safety disc. sw. (fused) Image: Safety disc. (fused) Image: Saf	DENOTED	F.A. ZONE ADDRESSABLE MODULE F.A. INDIVIDUAL ADDRESSABLE MODULE F.A. DOOR HOLDER F.A. DOOR CLOSER FIRE ALARM SHUT DOWN RELAY SPRINKLER FLOW SWITCH SPRINKLER VALVE TAMPER SWITCH SPRINKLER VEVEL SWITCH SPRINKLER PRESSURE SWITCH SPRINKLER TEMPERATURE SWITCH END OF LINE RESISTOR	 PARTICULAR CONDITION, OR A NEW CONDITION IS EXPOSED DURING THE PROJECT, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REQUEST INFORMATION OR ADJUSTMENT OF SCOPE FROM OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH SUCH WORK. <u>COORDINATION:</u> 1. ALL WORK SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES. EC TO COORDINATE ALL ELECTRICAL MATERIAL, EQUIPMENT, FIXTURES, AND DEVICE LOCATIONS WITH ALL RELATED ARCHITECTURAL, MECHANICAL, STRUCTURAL, AND OTHER TRADE DRAWINGS TO AVOID AND PREVENT IMPROPER INSTALLATIONS OR WASTEFUL PRACTICES. 2. ALL WORK SHALL BE CLOSELY COORDINATED WITH THE ACTIVITIES OF OTHERS AROUND THE WORK SITE. 3. OWNER, GENERAL CONTRACTOR, AND ELECTRICAL CONTRACTOR 	 BREAKER, FUSE, CONDUIT AND CONDUCTOR SIZES ARE CONSISTENT WITH CIRCUIT VOLTAGES AND MANUFACTURES' RECOMMENDATIONS AND NAMEPLATE DATA FOR EQUIPMENT AND THE AHJ REQUIREMENTS. CLEANING: COMPLETE FINAL CLEANING FOR ALL ELECTRICAL PARTS. REMOVE CONDUCTIVE AND HARMFUL DELETERIOUS MATERIALS AND REMOVE DIRT AND DEBRIS, PLASTER, AND OTHER FOREIGN MATERIALS FROM ENCLOSURES. CLEAN FINISHES, TOUCH UP PAINT, AND OTHERWISE REPAIR AND RESTORE MARRED EXPOSED FINISHES TO ELIMINATE VISUAL DEFECTS. MATCH ORIGINAL FACTORY FINISH. CLOSEOUT: COMPLETE STARTUP AND TESTING OF SYSTEMS AND EQUIPMENT. 	 VERIFY FINAL DESIGNATIONS FOR EQUIPMENT, SYSTEMS, AND COMPONENTS TO BE IDENTIFIED PRIOR TO FABRICATION OF IDENTIFICATION PRODUCTS. DO NOT CONCEAL ITEMS TO BE IDENTIFIED, IN LOCATIONS SUCH AS ABOVE SUSPENDED CEILINGS, UNTIL IDENTIFICATION PRODUCTS HAVE BEEN INSTALLED. DO NOT INSTALL IDENTIFICATION PRODUCTS UNTIL FINAL SURFACE FINISHES AND PAINTING ARE COMPLETE. 	
	MOMENTARY CONTACT SWITCH TIMER SWITCH TIME DELAY SWITCH PUSH BUTTON SINGLE RECEPTACLE DUPLEX RECEPTACLE SPLIT DUPLEX RCPT. ISOLATED GROUND RCPT (DUPLEX SHOWN) RCPT ON EMERGENCY CKT (DUPLEX SHOWN) FOURPLEX RECEPT. FOURPLEX RCPT ON EMERGENCY CIRCUIT	Image: Solenoid Valve Image: Solenoid Valve Image: Halftone Symbol Indicates Image: Solenoid Valve Image: Solenoid Valve <t< td=""><td>DEMOLISHED HCL ENOTED) HCR YPE DENOTED) HIT</td><td>ELECTRIC STRIKE MAGNETIC LOCK COMBINATION LOCK DOOR CONTACTS CARD READER KEYPAD MOTION DETECTOR (TYPE DENOTED) NURSE CALL EMERG. STATION NURSE CALL EMERG. STATION NURSE CALL ODE BLUE EMERG. STATION NURSE CALL DUTY STATION NURSE CALL STAFF STATION NURSE CALL SINGLE PATIENT STATION NURSE CALL DUAL PATIENT STATION</td><td> SHALL COORDINATE AND VERIFY ALL OTHER ELECTRICAL WORK REQUIRED WHETHER OR NOT SPECIFIED ON THE DRAWINGS. 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		H□ □ DOOR SIGNAL - APT. UNIT HØ SPEAKER (WALL OR CEILING M HØ HORN TYPE SPEAKER Ø VOLUME CONTROL HS MICROPHONE OUTLET T ANTENNA ELECTRICAL ABBREVIATI		NURSE CALL DOME LIGHT (2 LAMP) CCTV CAMERA CCTV CAMERA WITH PAN/TILT DRIVE KEYED NOTE (SEE SCHEDULE)	 WORKMANSHIP SHALL BE FIRST QUALITY AND IN ACCORDANCE WITH THE BEST PRACTICE OF THE TRADE. ONLY WORKMEN SKILLED IN THE TASKS ASSIGNED TO THEM SHALL BE EMPLOYED. ALL ELECTRICAL WORK IS TO BE PERFORMED, INSTALLED, TESTED, INSPECTED, AND APPROVED BY QUALIFIED, LEGALLY LICENSED AND BONDED ELECTRICAL CONTRACTORS PER THE LAWS OF THE STATE. CONTRACTOR SHALL CARRY OUT ALL WORK IN COMPLIANCE WITH APPLICABLE LOCAL AND STATE LAWS LOCAL BUILDING CODES, MANUFACTURE SPECIFICATIONS, STANDARDS OF CARE AND THE SPECIFICATIONS SET FORTH WITHIN THESE DOCUMENTS AND FULLY COMPLY WITH ALL OSHA REQUIREMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY 	 C. A MINIMUM WARRANTY DURRATION OF ONE YEAR (1) AFTER THE DATE OF ACCEPTANCE BY OWNER. D. ANY WORKMANSHIP PERFORMED BY THE EC FOUND TO BE DEFECTIVE OR FAULTY DURING THAT PERIOD OF TIME SHALL BE CORRECTED AT ONCE, UPON WRITTEN NOTIFICATION AND AT THE SOLE EXPENSE OF THE EC <u>ELECTRICAL WORK:</u> ALL ELECTRICAL EQUIPMENT, FIXTURES, MATERIAL, AND DEVICES MUST BE INSTALLED PER THE MANUFACTURERS INSTRUCTIONS AND MUST NOT INTERFERE, REMOVE, OR ALTER ITS LISTING, FUNCTION, WARRANTY, OR SAFETY AGREEMENTS. THE ELECTRICAL WORK INCLUDES BUT IS NOT SPECIFICALLY LIMITED TO ITEMS INDICATED ON DRAWINGS AND 	 COORDINATE THE INSTALLATION OF LUMINARIES WITH MOUNTING SURFACES INSTALLED UNDER OTHER SECTIONS OR BY OTHERS. COORDINATE THE WORK WITH PLACEMENT OF SUPPORTS, ANCHORS, ETC. REQUIRED FOR MOUNTING. COORDINATE COMPATIBILITY OF LUMINARIES AND ASSOCIATED TRIMS WITH MOUNTING SURFACES AT INSTALLED LOCATIONS. COORDINATE THE PLACEMENT OF LUMINARIES WITH STRUCTURAL MEMBERS, DUCTWORK, PIPING, EQUIPMENT DIFFUSERS, FIRE SUPPRESSION SYSTEM COMPONENTS, AND OTHER POTENTIAL CONFLICTS INSTALLED BY OTHERS. COORDINATE THE PLACEMENT OF EXIT SIGNS WITH FURNITURE, EQUIPMENT, SIGNAGE OR OTHER POTENTIAL VISIBILITY OBSTRUCTIONS INSTALLED BY OTHERS. 	
APP	AMPEREELEVABOVE COUNTER OR AIREMCONDITIONEREMSGABOVE CEILINGEMTOAUTOMATIC DOOR OPENEREPAMP FRAMEEQUIPABOVE FINISHED FLOOREWCABOVE FINISHED FLOOREWCABOVE FINISHED GRADEEXISTARC FAULT CIRCUITEXHINTERRUPTEREXPOAIR HANDLING UNITFAALTERNATEFCUVINANNUNCIATORFIXTROXAPPROXIMATELYFLRSTATAQUASTATFLUORHARCHITECT, ARCHITECTURALFUAMP TRIPGAAUTOMATIC TRANSFER SWITCHGALOAUTOMATIC TRANSFER SWITCHGALOAUTOMATIC TRANSFER SWITCHGALGAUDIO VISUALGENGAMERICAN WIRE GAUGEGFITBATTERYGFPBOARDGND	ELEVATORMDCMDCMDCEMERGENCYMDPMENERGY MANAGEMENT SYSTEMMFRMELECTRICAL METALLIC TUBINGMFSMELECTRIC PNEUMATICMHMEQUIPMENTMICMEQUIPMENTMICMEXISTINGMISCMEXHAUSTMLOMEXPLOSION PROOFMMSMFIRE ALARMMOAMFIRE ALARM BOOSTER POWERMSPMSUPPLY PANELMSBDMFIRE ALARM CONTROL PANELMTMFUOOR(N)NFLOORN.C.NFUSENECNGAUGESSGALVANIZEDSSGENERAL CONTRACTORNICNGALVANIZEDSSGROUND FAULT CIRCUIT INTERRUPTERN.O.NGROUND FAULT PROTECTORNPFNGROUNDNTSN	MOTOR CONTROL CENTERS/SMAIN DISTRIBUTION CENTERSTAMAIN DISTRIBUTION PANELSTDMANUFACTURERSURFMAIN FUSED DISCONNECT SWITCHSWMANHOLESWBMICROPHONESYMMINIMUMSYSMISCELLANEOUSTELMAIN LUGS ONLYTEL/IMANUAL MOTOR STARTERTERNMULTIOUTLET ASSEMBLYTLMOTOR STARTER PANELBOARDTRMAIN SWITCHBOARDT-STJMOUNTTTCEMPTY CONDUITTVTCNORMALLY CLOSEDTVTCNATIONAL ELECTRICALUCMANUFACTURER'S ASSOCIATIONUENON-FUSED SAFETY DISCONNECTUGSWITCHUTNIGHT LIGHTUTNORMALLY OPENUVNORMALLY OPENUVNORMALL POWER FACTORVANOT TO SCALEVOWNER FURNISHED,VA	SWITCH SD SWITCHBOARD SYMMETRICAL SYSTEM TELEPHONE DATA TELEPHONE/DATA M TERMINAL TWIST LOCK TAMPER RESISTANT AT THERMOSTAT TELEPHONE TERMINAL CABINET TELEVISION	 DAMAGE CAUSED BY THE CONTRACTOR OR ITS EMPLOYEES TO THE SOLE SATISFACTION OF OWNER. WORK SAFETY: ALL WORK PERFORMED BY CONTRACTOR SHALL MEET SAFETY REQUIREMENTS BY OSHA AND/OR THE STATE AND AHJ. ELECTRICAL WORK REQUIRED ON OR NEAR EXPOSED LIVE PARTS, OR TO ANY HAZARDOUS EQUIPMENT SHALL ONLY BE PERFORMED BY OSHA CERTIFIED EMPLOYEE FOR THE WORK BEING PERFORMED. DELIVERY, STORAGE, AND HANDLING: RECEIVE, INSPECT, HANDLE, AND STORE ALL ELECTRICAL EQUIPMENT, FIXTURES, AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. ALL ELECTRICAL EQUIPMENT, FIXTURES, MATERIALS, METHODS, AND WORK MUST BE IN ACCORDANCE AND IN COMPLIANCE WITH THE MOST RECENT APPROVED EDITION OF ADAAG, ANSI, IEEE, NEC, NEMA, NFPA, OSHA, IBC, TIA, CODES AND STANDARDS, OR OTHER AS REQUIRED BY THE AHJ. ALL ELECTRICAL EQUIPMENT, FIXTURES, MATERIAL, AND DEVICES SHALL BE NEW AND ORIGINAL EQUIPMENT MANUFACTURED (UNLESS OTHERWISE NOTED), AND BE LISTED WITH THE UNDERWRITERS LABORATORIES INC., OR EQUAL. ALL ELECTRICAL EQUIPMENT, FIXTURES, MATERIAL, AND DEVICES SHALL BE COMPATIBLE, EACH WITH ONE ANOTHER AND WITH EXISTING WORK AND WITH EXISTING BUILDING (IF APPLICABLE) STANDARDS. COMMERCIAL SPACES: ELECTRICAL EQUIPMENT, FIXTURES, MATERIAL, AND DEVICES SHALL BE COMPATIBLE, EACH WITH ONE ANOTHER AND WITH EXISTING WORK AND WITH EXISTING BUILDING (IF APPLICABLE) STANDARDS. COMMERCIAL SPACES:	 SPECIFICATIONS. PERFORM ALL OPERATIONS NECESSARY OR INCIDENTAL TO PROPER EXECUTION AND COMPLETION OF ALL "ELECTRICAL WORK" WHETHER SPECIFICALLY MENTIONED OR NOT. CIRCUIT PATH WIRING IS NOT SHOWN EXCEPT FOR SWITCHING INTENT OF FIXTURES AND CONTROL OF DEVICES. CONTRACTOR SHALL MAINTAIN ALL CEILING, FLOOR, AND WALL WIRE AND SMOKE PROTECTION RATINGS. SEAL AROUND CABLES PASSING THROUGH FIRE-RATED ELEMENTS. SEAL ALL CONDUIT, CONDUCTOR, AND BOX PENETRATIONS THROUGH OR IN ALL FIRE RATED ASSEMBLIES. COORDINATE SEALANTS MATERIAL AND COLOR WITH ARCHITECT. LINE-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES: WIRE COUNTS FOR CIRCUIT CONDUCTORS ARE NOT SHOWN CIRCUIT NUMBERS SHOWN ON DRAWING CORRESPOND TO PANELBOARD BREAKERS (SEE PANEL SCHEDULE). BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER SIZE AND RATING, UNLESS INDICATED OTHERWISE ON THE EQUIPMENT SCHEDULE. PROVIDE AND INSTALL PROPER SIZE AND NUMBER OF CONDUCTORS REQUIRED BY THE NEC TO ACHIEVE CIRCUIT AND SWITCHING CONNECTIONS SHOWN. ALLOW FOR 3% MAXIMUM VOLTAGE DROP ON ALL CONDUCTORS. UPSIZE WIRES IF NECESSARY. COORDINATE SIZES OF RACEWAYS, BOXES, AND EQUIPMENT ENCLOSURES INSTALLED UNDER OTHER SECTIONS WITH THE ACTUAL CONDUCTORS TO BE INSTALLED. MINIMUM CONDUCTOR SIZE: A. BRANCH CIRCUITS: 12 AWG. 	 NOTIFY ARCHITECT OF ANY CONFLICTS OR DEVIATIONS FROM CONTRACT DOCUMENTS TO OBTAIN DIRECTION PRIOR TO PROCEEDING WITH WORK. 26 06 00 SCHEDULES FOR ELECTRICAL: WHEN ADDING CIRCUITS, UPDATE EXISTING PANEL SCHEDULES WITH TYPEWRITTEN DIRECTORY OF CIRCUITS AND PLACED IN LOCATION PROVIDED BY PANELBOARD MANUFACTURER. 	
BMS C CAB CAT CAT CB CCT CFC CFC CFC CKT CLG CMF	SinceBUILDING MANAGEMENT SYSTEMGYP BDCONDUITHOACABINETHORIZCATALOGHPCABLE TELEVISIONHPFCIRCUIT BREAKERHTVCLOSED CIRCUIT TELEVISIONHTGCONTRACTOR FURNISHED,HTRCONTRACTOR INSTALLEDHVACCEILINGCEILINGPRCOMBINATIONIC	GYPSUM BOARDCHANDS-OFF-AUTOMATIC SWITCHOFOIOHORIZONTALCHORSEPOWEROHOHIGH POWER FACTOROLOHEIGHTPAPHEATINGPBPHEATERPEPHIGH VOLTAGEPEDPHEATING, VENTILATING AND AIRPFPCONDITIONINGPHPHYDRONIC WATER PUMPPNLPINTERRUPTING CAPACITYPPP	OWNER FURNISHED,VACONTRACTOR INSTALLEDVDTOWNER FURNISHED,VERTCONTRACTOR INSTALLEDVFDOVERHEADVOLOVERLOADSWPUBLIC ADDRESSW/PULL BOX OR PUSHBUTTONWAPPNEUMATIC ELECTRICWGPOWER FACTORWPPHASEXFMPANELXFRPOWER POLEPAIR	VIDEO DISPLAY TERMINAL VERTICAL VARIABLE FREQUENCY DRIVE VOLUME WATT WITH WIRELESS ACCESS POINT WIRE GUARD WITHOUT WEATHERPROOF R TRANSFORMER	AND/OR OWNER.	 B. CONTROL CIRCUITS: 12 AWG. B. CONTROL CIRCUITS: 14 AWG. 6. CONDUCTOR MATERIAL: A. ALL CONDUCTOR SHALL BE TYPE THHN, THHN/THWN, OR THHN/THWN-2 UNLESS NOTED OTHERWISE. B. PROVIDE COPPER CONDUCTORS FOR ALL CIRCUITS UNLESS NOTED OTHERWISE. CONDUCTOR SIZES INDICATED ARE BASED ON COPPER. C. MC CABLE IS NOT PERMITTED. D. SURFACE MOUNT EMT WHERE CONCEALING CONDUIT IS NOT POSSIBLE. 		
CON CON CON CON CON CON CON CON CON CTR CT CTR CU DCP DEP DET DET DWI DIA DISC DIST DN DS DT DWG (E) EC	IST CONSTRUCTION IMC IT CONTINUATION OR CONTINUOUS INCAND ITR CONTRACTOR IR CONVECTOR I/W CIRCULATING PUMP J-BOX CATHODE-RAY TUBE KV CURRENT TRANSFORMER KVA CENTER KVA COPPER KW DOMESTIC WATER CIRCULATING KWH PUMP LOC T DEPARTMENT L, LTG DETAIL LTNG H DOMESTIC WATER HEATER LV DIAMETER M, MTR C DISCONNECT MAX DOWN MAG.S DOWN M/C SAFETY DISCONNECT SWITCH MC DOUBLE THROW MCB	INTERMEDIATE METAL CONDUITPRIPINCANDESCENTPROJPINFRAREDPRVPINTERLOCK WITHPTPJUNCTION BOXPVCPKILOVOLTPWRPKILOVOLT-AMPEREQUANQKILOVOLT-AMPERE REACTIVE(R)RKILOWATTR, RCPTRLIGHTS, LIGHTINGRSCRLIGHTNINGSHTSIMAGNETIC STARTERSIMSIMAGNETIC STARTERSIMSIMAIN CIRCUIT BREAKERSPKRSISPDTSISR	PRIMARY PROJECTION ∠ POWER ROOF VENTILATOR @ POTENTIAL TRANSFORMER ▲ POLYVINYL CHLORIDE (CONDUIT) POWER QUANTITY RELOCATED #	ANGLE AT DELTA DEGREES FEET INCHES NUMBER PHASE CENTER LINE PLATE	 FIRE PROTECTION & SOUND REQUIREMENTS A. PENETRATIONS IN WALLS REQUIRING PROTECTED OPENINGS MUL ARCHITECTURAL DRAWINGS FOR LOCATIONS OF FIRE/SOUND RA' B. LIGHT FIXTURES AND OTHER APPARATUS SUPPORTED BY THE ACC SECTION 410.36, MEANS OF SUPPORT. 1. CONDUITS MAY PENETRATE WALLS OR PARTITIONS, PROVID 2. OPENINGS FOR STEEL ELECTRICAL BOXES NOT EXCEEDING 16 AGGREGATE MORE THAN 100 SQUARE INCHES FOR ANY 100 3. OUTLET BOXES ON OPPOSITE SIDES OF WALLS OR PARTITION WHERE POSSIBLE WITHOUT ADDING HAVING TO ADD RECEP SEPARATION AND AVOID USING THE STUD BAY IF POSSIBLE. 4. PROVIDE PUTTY PADS AROUND BOXES IN FIRE RATED WALLS THAT GYPSUM BOARD SEALS AIR GAP. C. RECESSED LIGHTING FIXTURES INSTALLED IN FIRE RATED CEILING 	TED WALLS AND CEILINGS. DUSTICAL CEILING GRID MUST MEET THE REQUIREMENTS OF NEC DED THEY ARE FIRE-STOPPED. 5 SQUARE INCHES ARE PERMITTED PROVIDED OPENINGS DO NOT SQUARE FEET OF WALL OR PARTITION. NS MUST BE SEPARATED BY A HORIZONTAL DISTANCE OF 24 INCHES PTACLES. WHERE 24" SPACING IS NOT POSSIBLE, USE MAXIMUM S AND ACOUSTICAL ASSEMBLIES. PUTTY PACKS SHALL BE INSTALLED SO ASSEMBLIES SHALL BE FIRE RATED FIXTURES BEARING THE UL FIRE ITH THE UL FIRE RESISTANCE DIRECTORY, AND SHALL INCLUDE A FIRE	LEVEL 1 DISCIPLINE DESIGNATOR LEVEL 2 DISCIPLINE DESIGNATOR THE SYMBOLS AND ABBREVI MAY OR MAY NOT BE USE	■ NOTE IATIC

	ELECTRICAL SYMBOL LEGEND	1		GENERAL ELECTRICAL NO	TES AND SPECIFICATIONS
LEVELEVELEVELEVTER OR AIREMEMSENIIGEMSENIEMSENIIGEMTELEEQUIPEQIED FLOOREWCELEEQUIPEQIED FLOOREXISTEXIEXISTEXIRCUITEXHEXPEXFEXIRCUITFAFIRFABPFIRSUNITFAFIRFACPFIRIED GRADEFXTFIXTFIXFIXSUNITFAFIRFUORFUIRFUFUFUFUIRFUFUFUFUIRFUFUFUFUIRFUGAGAGAIRANSFER SWITCHGALGAGAIRE GAUGEGFIGRGIIRE GAUGEGFIGRGIINAGEMENT SYSTEMGYP BDGYIHOAHAHORIZHOSIONHPFHIGINSTALLEDHVHIGINSTALLEDHVHIGNO R CONTINUOUSINCANDINCAND	JORESCENTN.C.NORMALLY CLOSEDSENECNATIONAL ELECTRICALSED SAFETY DISCONNECT SWITCHNEMANATIONAL ELECTRICALUGEMANUFACTURER'S ASSLLONNFDSNON-FUSED SAFETY DISCONNECT SWITCHNERAL CONTRACTORNICNOT IN CONTRACTNERAL CONTRACTORNICNOT IN CONTRACTNERATORNLNIGHT LIGHTOUND FAULT CIRCUIT INTERRUPTERN.O.NORMALLY OPENOUND FAULT PROTECTORNPFNORMAL POWER FACTOROUND FAULT PROTECTORNPFNORMAL POWER FACTOROUND ADDNTSNOT TO SCALELVANIZED RIGID STEEL (CONDUIT)OFCIOWNER FURNISHED, CONTRACTOR INSTALLENDS-OFF-AUTOMATIC SWITCHOFOIOWNER FURNISHED, CONTRACTOR INSTALLEORSEPOWEROHOVERHEADGH POWER FACTOROLOVERLOADSIGHTPAPUBLIC ADDRESSATINGPBPULL BOX OR PUSHBUTATERPEPNEUMATIC ELECTRICGH VOLTAGEPEDPEDESTALATING, VENTILATING AND AIRPFPOWER FACTORNDTIONINGPHPHASEDRONIC WATER PUMPPNLPANELFERRUPTING CAPACITYPPPOWER POLEOLATED GROUNDPRPAIRFERMEDIATE METAL CONDUITPRIPRIMARY	ENTER STA STATION ANEL STD STANDARD SURF SURFACE MOUNTED ECT SWITCH SWBD SWITCHBOARD SYM SYMMETRICAL SYS SYSTEM TEL TELEPHONE TEL/DATA TELEPHONE/DATA TER TERM TERMINAL LY TL TWIST LOCK LBOARD TR TAMPER RESISTANT T-STAT THERMOSTAT TTC TELEPHONE TERMINAL CABINET AUTCH TV TELEVISION TVTC TELEVISION TERMINAL CABINET CODE TYP TYPICAL UC UNDER COUNTER OCIATION UE UNDERGROUND ELECTRICAL SCONNECT UG UNDERGROUND TELEPHONE UT VOUT VA VOLT VA VOLT- VA VOLT- VA VOLT- VA VOLT- VA VOLT- VA VOLT- VA WOLT- MART VERTICAL SD VFD VARIABLE FREQUENCY DRIVE VOL VOLUME W WATT W/ WITH TON WAP WIRELESS ACCESS POINT WG WIRE GUARD W/O WITHOUT WP WEATHERPROOF XFMR TRANSFORMER XFR TRANSFER	ALL WORK SHALL CONFORM TO ALL APPLICABLE REQUIREMENTS OF FEDERAL AND STATE COOKE, REGULATIONS, LOCAL UNSSOLCTIONS, AND THE AUTHORY HAIVING JURSDICTION (HA). ALL ELECTRICAL WORK UNDER THE REQUIREMENTS OF THE SUBJECTICATIONS, AND ALL MEET THE REQUIREMENTS OF THE SUBJECTICATIONS, AND LAUNDER THE REQUIREMENTS OF THE CURRENT STATE ADOPTE DEDITIONS OF THE HAIVING JURSDICTION (HAI). THE CONTRACTOR SHALL ACCOREANTS WITH AUXING JURSDICTION WITH AULAL CODE (HAC) SHALL ASSO BE IN COMPLIANCE WITH AULA PRICATE STATE AND/OR LOCAL LAUNS AND ORDINANCES. THE CONTRACTOR SHALL COOPERATE WITH AND ASSIST THE OWNER IN SECURING FROM THE ANI JAN' SPECIAL PERMISSION' OR INTERPRETATION NEEDED TO COMPLETE THE WORK. ALL DUAWINGS AND DETALS PROVIDED ARE GENERAL IN NATURE AND MAY TO REPRESENT AT THE STET O YEBITY ALL DUMNINGS FOR THE ACTUL MONK. ELECTRICAL ONNO COMPARIES FOR THE ACTUL MONK. ACCESTO ON OWNER'S VERTIFICATION OF THE STET TO YEBITY ALL CONTRACTOR SO THE ASSIST THE STET TO YEBITY ALL CONTRACTOR TO MESSIGNER AND MATERIAL STORAGE. FRANKING SO REVERTATION ON CARCESTO ON WORK VERTIFICATION ON A REVERTATION ON CARCESTO ON ONE CONTRACTOR TO MESSIGNER AND MATERIAL STORAGE. FRANKING SO REVERTATION STET PHERICATION OF THE CONTRACTOR TO REQUEST INFORMATION ON ADJUSTMENT OF SCOPE FROM OWNER'S REPRESENTATIVE BEFORE PROCECIDING WITH SUCH WORK. SETTO HELITY ALL CONTRACTOR TO MESSIGNER. ALL WORK SHALL BECORGINATED WITH THE WORK OF OTHER REQUIREMENTS, STEADS. LIL WORK SHALL BECORGINATED WITH THE WORK OF OTHER REQUIREMENTS. STEADS. LIL WORK SHALL BECORGINATED WITH THE ACTIVITIES OF THE OWNER AS THE CONTRACTOR TO AN ELECTRICAL WORK IS DRAWN WITH SQUER WORK THE RECORGENTIATION OF READERS. STEADS, LIE S BECORGINATED WITH THE WORK OF OTHER TRADESS. CE TO COORDINATE AND ADD OVER TO THE DAWINGS. OTHER ASTRETAL SUPERVILLIES AND DEVEL TO AND THE ADD ADD. SALE LECTRICAL STATUS. THEODO	CONTRACTOR & RESPONSIBLE FOR CORPINATION OF ALL ELECTRICAL WORK AND DEPONDE COMPLETE AND WORKING SYSTEMS COMPLYING WITH THE CONTRACT DOCUMENTS SHALL BE SUBMITTED AND APROVID EGROPHER EXECUTION OF THE AFFECTED WORK. CONTRACTOR SHALL APPLY AND PAY FOR ALL REQUIRED PRIMITS, FESI, LECHSES AND INSPECTIONS FOR ALL ELECTRICAL WORK. CONTRACTOR SHALL PAPUY AND PAY FOR ALL REQUIRED PRIMITS, FESI, LECHSES AND INSPECTIONS FOR ALL ELECTRICAL WORK. CONTRACTOR SHALL PAPUY AND PAY FOR ALL REQUIRED PRIMITS, FESI, LECHSES AND ELECTRICAL SYSTEMS. UNLESS OTHERWISE INDICATED, MANUPACTURES SPECTRED IN THE DRAWING AND SERVICES MECESSARY TO FUNNISH AND INSTALL CONTRACTOR SHALL PROVIDE. CONTRACTOR SHALL PROVIDE USERTITIALS TORS OF DESION. APPROVED EQUAL PROJUCTS ARE ALSO ALLOWED F: CONTRACTOR S AND SERVICES MECESSARY TO FUNNISH AND SUMMITALS FOR INDIVIDUATION RESPECTIVES. CONTRACTOR S AND SERVICES MECESSARY TO FUNNISH AND SUMMITALS FOR INDIVIDUATION RESPECTIVES. CONTRACTOR S IN ESPONSIBLE TO VERIFY ALL ELECTRICAL ADACHTECTURAL REVIEW FOR LIGHTING AND ELECTRICAL DOVICE. CONTRACTOR S AND NAMEPLATE DATA FOR EQUIPMENT AND THENDEVIDE ON THICH TO RUMALING. CONTRACTOR S REPONSIBLE TO VERIFY ALL ELECTRICAL ADACHTECTURAL REVIEW FOR LIGHTING AND ELECTRICAL DOVICE. CONTRACTOR S AND NAMEPLATE DATA FOR EQUIPMENT AND REMOVE CONDUCT WAND DARMEPLATE DATA FOR EQUIPMENT AND REMOVE DITA AND DEBRS, PLASTER, AND AND VARCTURES' RECOMMENDATIONS AND NAMEPLATE DATA FOR EQUIPMENT AND REMOVE DITA AND DEBRS, PLASTER, AND AND VARCTURES' RECOMMENDATION AND DESTING FOR THEIR NUSH. COMPLETE FINAL CLEANING FOR ALL ELECTRICAL PARTS. REMOVE CONDUCTIVE AND DARMENDATE CONTRACTOR S READ DESTING OF DYSTEMS AND CONTRACTORS SHALL BE DEMONSTRATED TO THAVE A COMPLETE AND ARE MARCHED EXPOSED PHILING. CONTRACTORS AND AND RESPONSE TO THE NOTE CONTRACTORS SHALL BE COMPLETION AND AREVERT AND RESTORE TO THE AND CAMALIFY. AND RESTORE TO THE A	 GOUNDING AND BONDING WORK SHALL COMPLY WITH REQUIREMENTS, AND AHL. UNLESS SPECIFICALLY INDICATED TO BE EXCLUDED. PROVIDE ALL REQUIRED COMPONENTS, CONDUCTORS, CONNECTORS, CONDUITS, DOESS, FITTINGS, SUPPORTS, ACCESSORIES, ITC. AS INCESSART FOR COMPLETE GROUNDIG AND BONDING SYSTEM. PROVIDE PRODUCTS USTED, CLASSIFIED, AND LABLED AS SUITABLE FOR THE PURCES INSTINGED AND LABLED AS COMPLYING WITH UL467 WHERE APPLICABLE. WHERE CONDUCTS USTED, CLASSIFIED, AND LABLED AS COMPLYING WITH UL467 WHERE APPLICABLE. WHERE CONDUCTS USTED, CLASSIFIED, AND LABLED AS COMPLYING WITH UL467 WHERE APPLICABLE. MINIMUM SER REQUIREMENTS SPECIFIED OR THAT REQUIRED BY THE AHL. ROVIDE GROUNDING ELECTRODE USTEM. CONCRETE- PROSED GROUNDING ELECTRODE USTEM. CONCRETE- PROSED GROUNDING ELECTRODE USTEM. CONCRETE- PROSED GROUNDING ELECTRODE USTEM. CONCRETE- PROSED GROUNDING ELECTRODE USTEM. ROVIDE CONDUIT FOR ALL WIRKG. PROVIDE A COPPER EQUIPMENT GROUNDING MATERIALS AND EQUIPMENT. REFRET TO ELECTRICAL BROWN SHALE CONSET IN ALL RACEWAYS. COMPUT ON ALL ONDIL TAND WIRING IN WALLS AND CELLING SPACES MICHARICA/LECTRICAL SYSTEM. PROVIDE CONDUIT TOR ALL WIRING. COMPUT THE REQUIREMENT OF MCC. COMPUT THE RETTICAL SYSTEM. COMPUT THE REQUIREMENT OF MCCONDUCTIVE AND ADALES. COMPUT THE REQUIREMENT OF MCCONDUCTIVE AND ADALES. COMPUT THE REQUIREMENT OF MCCONDUCTIVE AND ADALES.
I/W INT PUMP J-BOX JUN Y TUBE KV KIL INSFORMER KVA KIL KVAR KIL KW KIL ATER CIRCULATING KWH KIL LOC LOG L, LTG LIG LTNG LIG ATER HEATER LV LOY M, MTR MO MAX MA MAG.S MA M/C MC	FRAREDPRVPOWER ROOF VENTILAT TERLOCK WITHTERLOCK WITHPTPOTENTIAL TRANSFORMNCTION BOXPVCPOLYVINYL CHLORIDE (PWR.OVOLTPWRPOWER.OVOLT-AMPEREQUANQUANTITY.OVOLT-AMPERE REACTIVE(R)RELOCATED.OWATTR, RCPTRECEPTACLE.OWATT HOURREQDREQUIREDCATE OR LOCATIONRMROOMSHTS, LIGHTINGRTUROOF TOP UNITW VOLTAGESCSURFACE CONDUITDTOR, MOTORIZEDSECSECONDARYAXIMUMSHTSHEETAGNETIC STARTERSIMSIMILARDMENTARY CONTACTS/NSOLID NEUTRALCHANICAL CONTRACTORSPECSPECIFICATIONAIN CIRCUIT BREAKERSPKRSPEAKERSPDTSINGLE POLE DOUBLE TSRSURFACE RACEWAYSSSTAINLESS STEEL	TOR @ AT MER ▲ DELTA CONDUIT) • DEGREES ' FEET " INCHES # NUMBER Ø PHASE C CENTER LINE P PLATE	 FIRE PROTECTION & SOUND REQUIREMENTS A. PENETRATIONS IN WALLS REQUIRING PROTECTED OPENINGS MUS ARCHITECTURAL DRAWINGS FOR LOCATIONS OF FIRE/SOUND RAT B. LIGHT FIXTURES AND OTHER APPARATUS SUPPORTED BY THE ACC SECTION 410.36, MEANS OF SUPPORT. 1. CONDUITS MAY PENETRATE WALLS OR PARTITIONS, PROVIDE 2. OPENINGS FOR STEEL ELECTRICAL BOXES NOT EXCEEDING 16 AGGREGATE MORE THAN 100 SQUARE INCHES FOR ANY 100 3. OUTLET BOXES ON OPPOSITE SIDES OF WALLS OR PARTITION WHERE POSSIBLE WITHOUT ADDING HAVING TO ADD RECEP SEPARATION AND AVOID USING THE STUD BAY IF POSSIBLE. 4. PROVIDE PUTTY PADS AROUND BOXES IN FIRE RATED WALLS THAT GYPSUM BOARD SEALS AIR GAP. C. RECESSED LIGHTING FIXTURES INSTALLED IN FIRE RATED CEILING A 	ST BE FIRESTOPPED WITH AN APPROVED MATERIAL. REFER TO TED WALLS AND CEILINGS. DUSTICAL CEILING GRID MUST MEET THE REQUIREMENTS OF NEC ED THEY ARE FIRE-STOPPED. SQUARE INCHES ARE PERMITTED PROVIDED OPENINGS DO NOT SQUARE FEET OF WALL OR PARTITION. S MUST BE SEPARATED BY A HORIZONTAL DISTANCE OF 24 INCHES TACLES. WHERE 24" SPACING IS NOT POSSIBLE, USE MAXIMUM AND ACOUSTICAL ASSEMBLIES. PUTTY PACKS SHALL BE INSTALLED SO ASSEMBLIES SHALL BE FIRE RATED FIXTURES BEARING THE UL FIRE TH THE UL FIRE RESISTANCE DIRECTORY, AND SHALL INCLUDE A FIRE	LEVEL 1 DISCIPLINE DESIGNATOR LEVEL 2 DISCIPLINE DESIGNATOR <u>*</u> THE SYMBOLS AND ABBREN MAY OR MAY NOT BE US

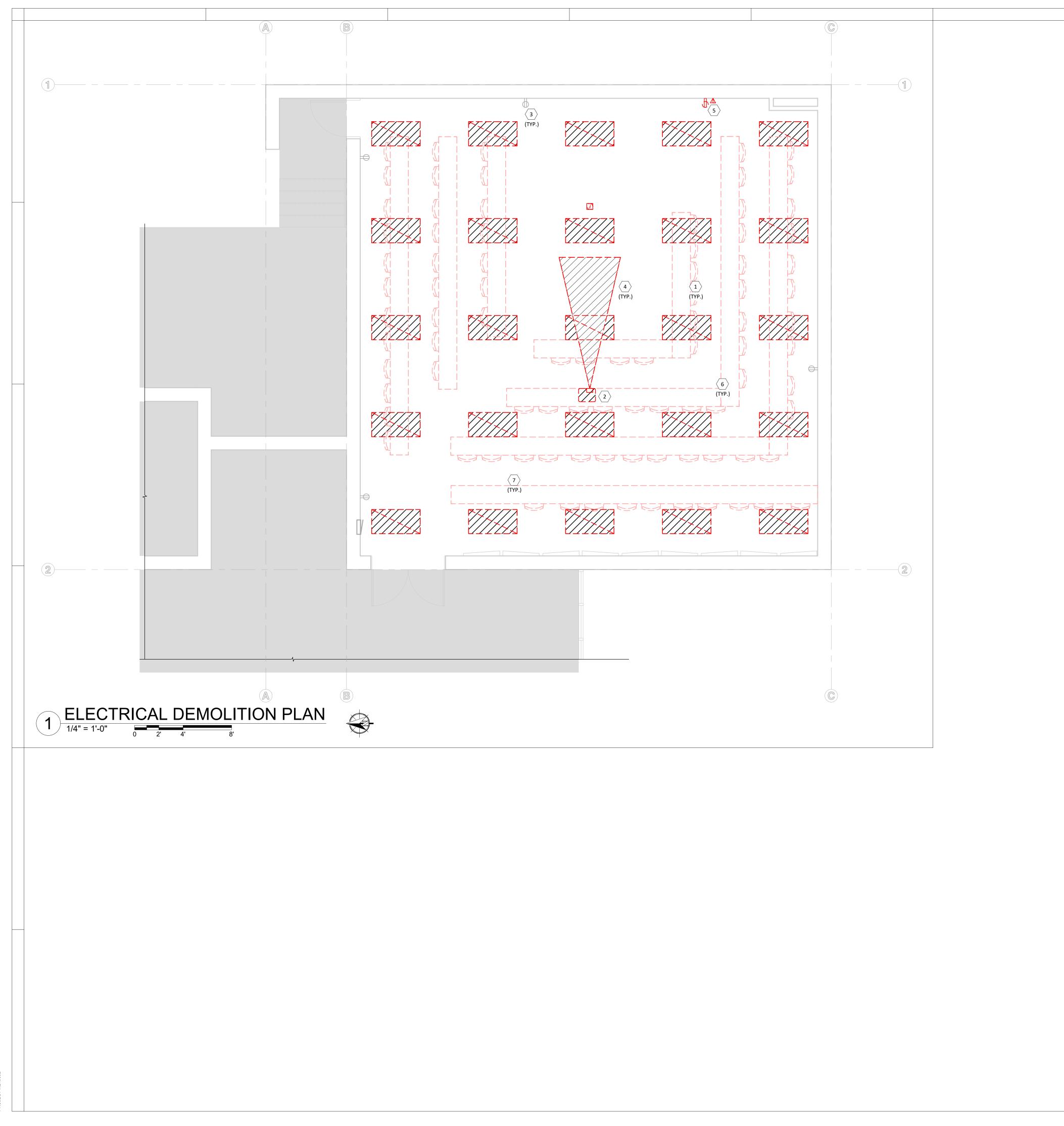
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		ELE	CTRICAL SYMBOL NOTES	
PANY	 26 27 00 WIRING DEVICES: 1. LOCATION AND MOUNTING HEIGHTS OF RECEPTACLES AND SWITCHES AS INDICATED ON ARCHITECTURAL ELEVATIONS. EXACT LOCATION SHALL BE COORDINATED WITH THE ADDULTECT 	Ю _а 000 а	THE CONTROL DEVICE DESIGNATION IS INDICATED BY A LOWER CASE LETTER. EXAMPLE: SINGLE POLE SWITCH "a" TO CONTROL LIGHTING FIXTURES INDICATED BY "a".	FILE CONTRACTOR OF CONTRACTOR CON
S, D AS D AS	 ARCHITECT. COLOR AND MATERIALS OF RECEPTACLES AND SWITCHES SHALL MATCH EXISTING. PROVIDE AND INSTALL GFCI AND ARC FAULT PROTECTION REQUIRED BY THE NEC AND AHJ. PROVIDE AND INSTALL TAMPER-RESISTANT(TR) RECEPTACLES REQUIRED BY THE NEC AND AHJ. PROVIDE AND INSTALL WEATHER-RESISTANT RECEPTACLES AND 	(1 −♥ 1,3,5	SPECIAL CONNECTIONS. THE EQUIPMENT IS INDICATED BY A NUMBER IN A CIRCLE. SEE THE MOTOR AND EQUIPMENT SCHEDULE FOR THE LOAD DESCRIPTION AND TYPE OF CONNECTION. THE CIRCUIT DESIGNATION IS INDICATED BY NUMBER(S) ADJACENT TO THE SYMBOL. EXAMPLE: EQUIPMENT NO. 1; 3 PHASE	KALISPELL BOZEMAN VANCOUVER 406-755-3208 BOZEMAN VANCOUVER info@jackola.com jackola.com
E- NT UL D	 COVERS REQUIRED BY THE NEC AND AHJ. 6. INSTALL WIRING DEVICES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. 7. DO NOT SHARE NEUTRAL CONDUCTOR ON BRANCH CIRCUITS UTILIZING WALL DIMMERS. 27 00 00 COMMUNICATIONS: 1. ROUGH-IN BY CONTRACTOR. 2. WIRING & TERMINATIONS BY OWNER. 	LPN-1,3,5	CONNECTION TO CIRCUITS 1, 3, 5. HOME RUN TO BRANCH CIRCUIT PANELBOARD. THE PANELBOARD DESIGNATION IS SHOWN WITH THE HOME RUN ARROW AIMING AT THE ID. CIRCUIT BREAKER SIZES (AMPS/NUMBER OF POLES) ARE SHOWN IN THE PANELBOARD SCHEDULE WITH THE CORRESPONDING	JONATHAN LEONARD
JCTOR	 28 00 00 FIRE DETECTION AND ALARM: 1. NICET CERTIFIED CONTRACTOR SHALL REMOVE AND REINSTALL DEVICES AS REQUIRED TO ACCOMMODATE CONSTRUCTION. 	30AF/2P/3R	PANELBOARD AND CIRCUIT DESIGNATION. EXAMPLE: HOME RUN TO PANELBOARD LPN; CIRCUITS 1, 3, 5. DISCONNECT NOTATION. EXAMPLE: 30 AMP FRAME DISCONNECT, 2 POLE, NEMA 3R, 15 AMP FUSE	No. 84939 PE
R NG TH		15A FU T1	TRANSFORMERS. THE TRANSFORMER TYPE IS INDICATED BY A NUMBER FOLLOWING THE UPPER CASE LETTER "T". SEE THE TRANSFORMER SCHEDULE OR THE SINGLE LINE DIAGRAM FOR THE TRANSFORMER DESCRIPTION AND	FOR PERMIT & BIDDING
AND DF SUCH		LPN-102	REQUIREMENTS. EXAMPLE: TRANSFORMER TYPE "T1". PANEL BOARDS. PANELBOARD DOORS MAY BE SHOWN TO INDICATE OPENING SIDE OF RECESSED PANEL BOARDS.	MAY NOT BE USED OR REPRODUCED WITHOUT THE WRITTEN CONSENT OF JACKOLA ENGR. & ARCH., P.C.
HREE JCTIVE F 1/16			KEYNOTE. SEE THE SPECIAL NOTES ON THAT SHEET FOR THE NOTE NUMBER INDICATED IN THE HEXAGON. CONDUIT/WIRES SHOWN WITH SLASH MARKS. SLASH MARK INDICATORS ARE:	
, TROL CH		(ISO)	SHORT STRAIGHT = PHASE CONDUCTOR LONG STRAIGHT = NEUTRAL GROUND = DOT ISOLATED GROUND = DOT WITH T CIRCUIT ID. NOTATION IS FOUND NEXT TO A	≻
UTLET SIRED D ED BY		P1-11,13	SWITCH, WIRE, LIGHT, RCPT OR EQMT. INDICATES PANEL NAME AND CIRCUIT NUMBER(S). EXAMPLE: PANEL P1, CIRCUIT NUMBERS 11 & 13.	LL RSIT
S OR F IATED				NN NVE
DNS.			CODE COMPLIANCE	
D			ICAL SYSTEMS ARE DESIGNED IN ACCORDANCE WITH CODES AND STANDARDS:	ID #346 3-0823
TURE,			TERNATIONAL BUILDING CODE) ITERNATIONAL EXISTING BUILDING CODE)	
M		• 2017 ICC A11	17.1 - ACCESSIBLITY 0 (NATIONAL ELECTRICAL CODE)	HO A LO BAR SA SA SA SA SA SA SA SA SA SA SA SA SA
ULES			2 TATE UNIVERSITY - BOZEMAN ENGINEERING REVISION 04-05-2024	
IN			RICAL MOUNTING HEIGHTS	LEON
			TO CENTER OF BOX UNLESS OTHERWISE NOTED	0 Å
		RECEPTACLE	18"	ᄥᅮ
		SWITCH THERMOSTAT	46" 58"	
		DATA/TEL PANELBOARD	18" 72" TOP OF ENCLOSURE	<u>o</u>
		FA PULL STATION	46"	\geq
		FA HORN STROBE	12" BELOW CEILING, IF CEILING IS 80"-96" AFF 86" OR 6" BELOW CEILING	
		TV/AV/INTERCOM		
		EXIT SIGN	12" ABOVE DOOR TO CENTER OF FIXTURE, UNLESS CEILING MOUNTED	
		EL	ECTRICAL SHEET INDEX	
			TRICAL TITLE SHEET TRICAL DEMOLITION PLAN	
			ITING PLAN /ER PLAN	DRAWN: CDH CHECKED: JLR
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E-102 LEVEL SEQUENCE NUMBER PLAN TYPE SEQUENCE NUMBER SHEET TYPE DESIGNATOR <u>* NOTE *</u> BBREVIATIONS SHOWN ON THIS SHEET BE USED IN THIS SET OF DRAWINGS.

E-001

ELECTRICAL TITLE SHEET



DEMOLITION GENERAL NOTES

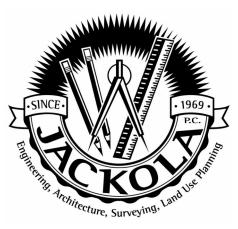
SAVE CIRCUITS FOR DEMOLISHED ELECTRICAL COMPONENTS FOR REUSE. COORDINATE ELECTRICAL DEMOLITION WORK WITH GENERAL CONTRACTOR.

- 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
- WIRING BACK TO NEAREST ACCESSABLE JUNCTION BOX. REROUTE 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.



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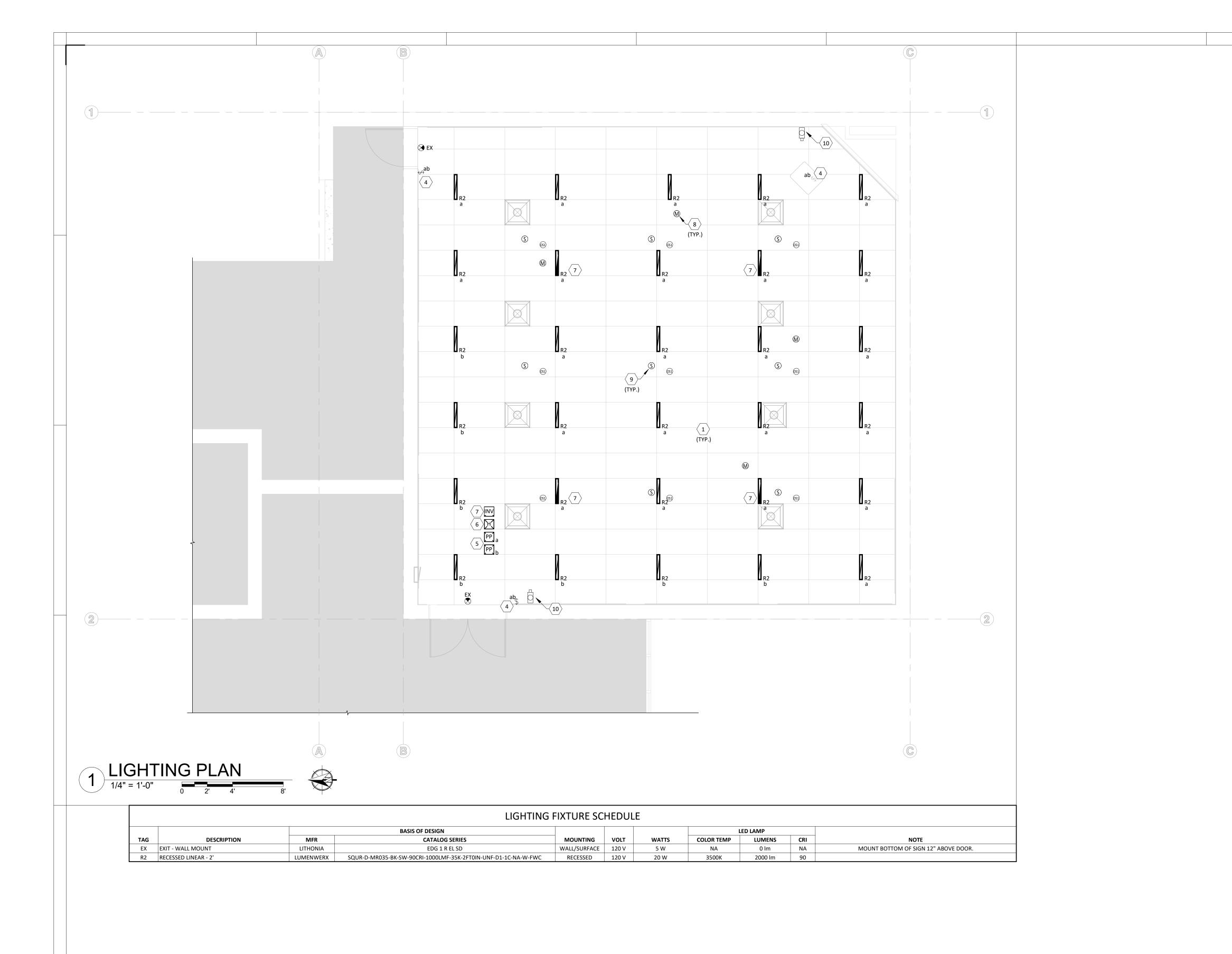
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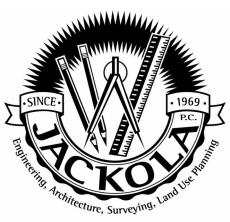
ELECTRICAL DEMOLITION PLAN

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. * 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. KEYNOTES 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. 3 NOT USED. 4 LUTRON VIVE SWITCHING WITH DIMMING, PROVIDED BY OWNER'S AV DEPARTMENT. LUTRON VIVE POWERPACK, PROVIDED BY OWNER'S AV DEPARTMENT. MOUNT POWER PACK WITHIN 30' OF ALL CONTROLS, SENSORS, AND DEVICES. ROUTE FIXTURE AND FAN 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 OF DESIGN: BODINE ELI-S-100 OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S RECOMMENDATION. FEED CONTROL SWITCH LEG a OF EMERGENCY FIXTURE FROM INVERTER. CEILING MICROPHONE PROVIDED AND INSTALLED BY MSU. MSU

- AV DEPARTMENT TO RUN CABLE TO PODIUM LOCATION.
- O 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.



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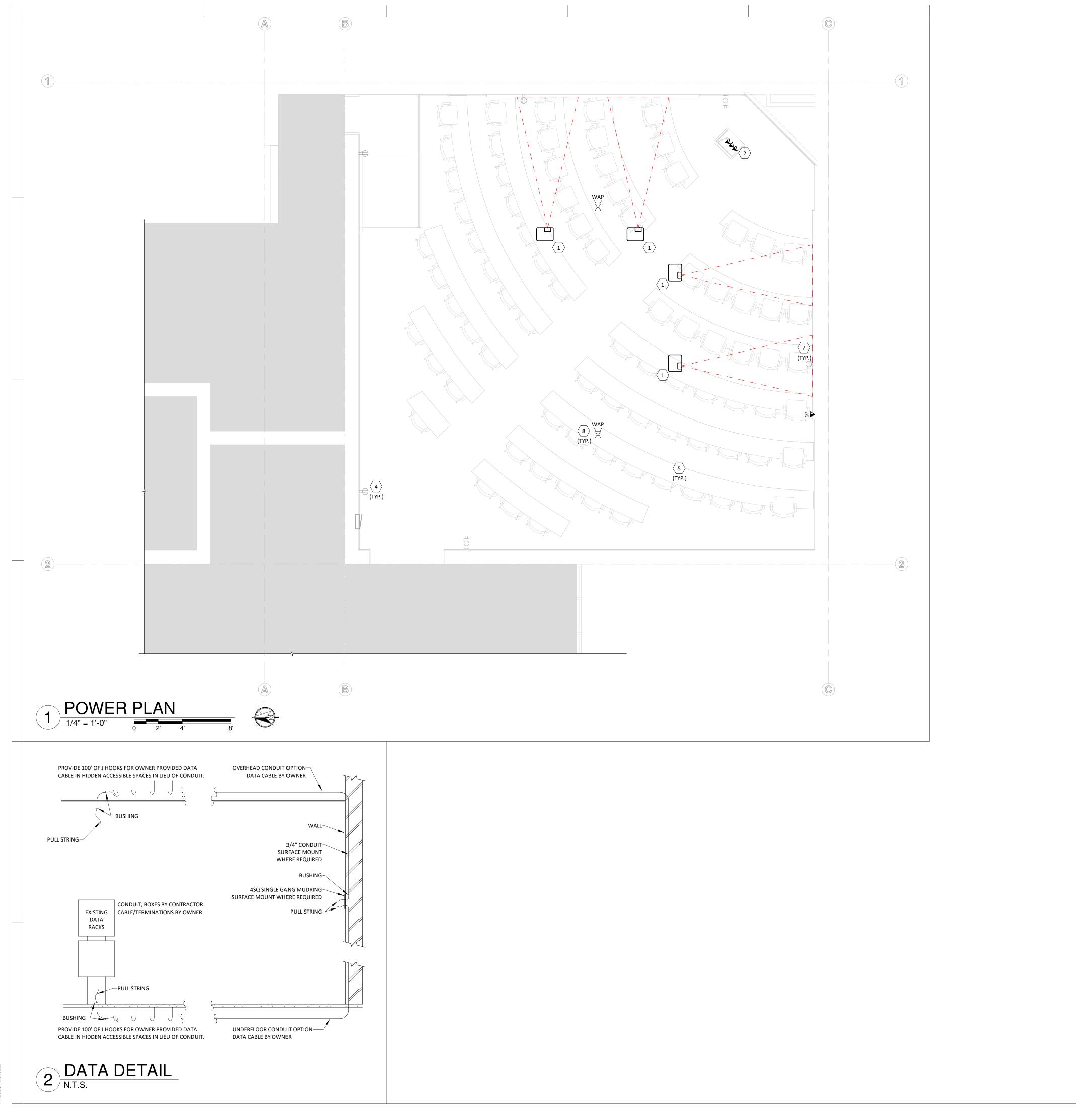
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LIGHTING PLAN

E-111



JECT #:240602

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 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

- 1 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.
- 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.
- 4 REPLACE 1/2 TONE EXISTING RECEPTACLE AND PHONE DATA DEVICES AND COVERS. REUSE EXISTING BOXES, CONDUIT AND WIRING. SEE KEYNOTE 3/ED111.
- 5 ADD ALTERNATE #5: PROVIDE AND INSTALL (1) DUPLEX OUTLET FOR EVERY (4) CHAIRS OR FRACTION THEREOF. OUTLETS SHOULD BE 12" HIGH WALL MOUNTED AT DESK ROWS. WHERE THE DESKS DO NOT ABUT THE WALLS THEN FLUSH FLOOR OUTLETS WITH
- POWER FROM BELOW ARE ACCEPTABLE.
 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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DRAWN: CDH	CHECKED: JLR

DATE: 11/19/2024

REVISIONS:

POWER PLAN

E-121