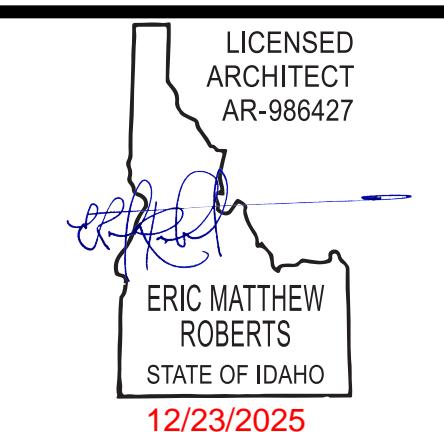


ISSUE DATE: 12.15.2025

REV DATE COMMENT



LCSC PA LAB TECH RENOVATION

LEWIS-CLARK STATE COLLEGE | SAM GLENN COMPLEX 500 4TH ST

PROJECT TEAM

KNIT
Architect
KNIT
512 S Main Street
Moscow, Idaho 83843
Phone: (208) 410-0402

RESOLUT
MEP Engineer
RESOLUT
101 W Cataldo Ave
Suite 205
Spokane, WA 99201
Phone: (509) 919-3403

PROJECT NARRATIVE

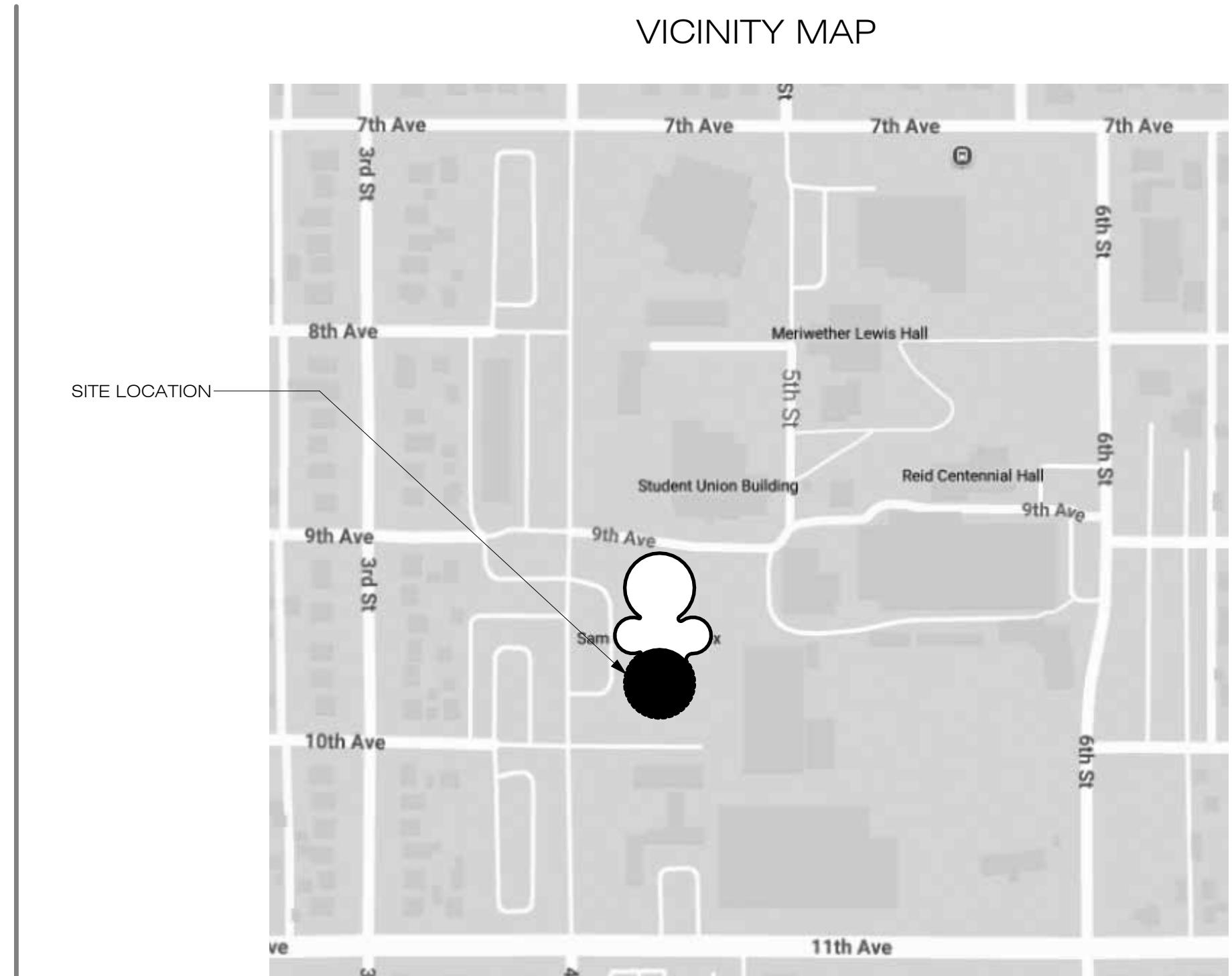
DESCRIPTION

APPROXIMATELY 2,040 SF REMODEL OF EXISTING CLASSROOMS LOCATED AT LEWIS CLARK STATE COLLEGE IN THE SAM GLENN BUILDING. 2 ROOMS 224 AND 225. SCOPE OF WORK TO INCLUDE NEW FINISHES ON THE FLOOR, CEILINGS, WALLS, WITH MECHANICAL, PLUMBING AND ELECTRICAL UPDATES. SMALL AMOUNTS OF DEMO WILL OCCUR THROUGHOUT THE PROJECT.

OCCUPANCY AND LOADS WILL REMAIN AS EXISTING. THERE WILL BE NO LIFE SAFETY OR STRUCTURAL ALTERATION. THERE ARE NO BUILDING ENVELOPE CHANGES.

LIST OF ALTERNATES:

ALTERNATE NO.1: NEW ROOMS/PARTITIONS FOR PATIENT BEDROOMS IN THE 224 PA LAB
*BASE BID TO ONLY HAVE DRESSING ROOM CURTAINS FOR PATIENT BEDROOMS



COVER SHEET
TITLE: LCSC PA LAB
PROJECT: Sam Glenn Complex 500 4th St Lewiston, ID 83501
CLIENT: Lewis Clark State College

JOB NO: 240216

G0.00

CODE ANALYSIS

APPLICABLE BUILDING CODES

BUILDING CODE: 2018 IBC
 EXISTING BUILDING CODE: 2018 IEBC
 ELECTRICAL CODE: 2023 NEC
 MECHANICAL CODE: 2018 IMC
 PLUMBING CODE: 2015 UPC
 FIRE CODE: 2018 IFC
 ENERGY CODE: 2018 IECC
 ACCESSIBILITY CODE: 2009 A-117.1

CURRENT CODE - 2018 IBC

GROUP B
 OCCUPANCY GROUP(S)
 AREA SEPARATION
 SPECIFIC REQUIREMENTS
 TYPE OF CONSTRUCTION
 SEISMIC CLASS:

CLASS D
 AUTOMATIC SPRINKLER SYSTEM
 FIRE ALARM

YES
 GROUP E (IBC 907.2.3): A MANUAL FIRE ALARM SYSTEM IS REQUIRED IN GROUP E OCCUPANCIES WITH AN OCCUPANT LOAD OF 50 OR MORE. MOST EXISTING EDUCATIONAL BUILDINGS ALREADY CONTAIN A SUPERVISED, ADDRESSABLE FIRE ALARM SYSTEM.

THE REMODEL DOES NOT TRIGGER A NEW BUILDING-WIDE SYSTEM BUT DOES REQUIRE MODIFICATION OF EXISTING DEVICES TO MAINTAIN COVERAGE.

RELOCATE OR ADD SMOKE DETECTORS AS REQUIRED TO MAINTAIN NFPA 72 SPACING.

ADD OR RELOCATE NOTIFICATION APPLIANCES (HORN/STROBES OR STROBES) TO MEET AUDIBLE/VISIBLE REQUIREMENTS.

PROVIDE VISIBLE NOTIFICATION IN EACH CLASSROOM.

NO NEW PULL STATIONS REQUIRED.

FIRE ALARM CONTROL EQUIPMENT: CONNECT NEW OR RELOCATED DEVICES TO EXISTING ADDRESSABLE FIRE ALARM SYSTEM.

UPDATE CIRCUIT LOADING, BATTERY CALCULATIONS, AND SEQUENCE OF OPERATIONS.

PROVIDE ADA-COMPLIANT VISIBLE NOTIFICATION PER NFPA 72 CHAPTER 18.

THIS WORK IS A LIMITED ALTERATION AND DOES NOT REQUIRE A FULL SYSTEM UPGRADE

FIRE RESISTANCE REQUIREMENTS PER IBC SECTION 601

STRUCTURAL FRAME
 BEARING WALLS - EXTERIOR
 BEARING WALLS - INTERIOR
 NON BEARING WALLS
 FLOOR CONSTRUCTION
 ROOF CONSTRUCTION

0 HR
 2 HR
 0 HR
 0 HR
 0 HR
 0 HR

PROJECT DESCRIPTION

APPROXIMATELY 2,040 SF REMODEL OF EXISTING CLASSROOMS LOCATED AT LEWIS CLARK STATE COLLEGE IN THE SAM GLENN BUILDING LEVEL 2 ROOMS 224 AND 225. SCOPE OF WORK TO INCLUDE NEW FINISHES ON THE FLOOR CEILING, WALLS WITH MECHANICAL PLUMBING AND ELECTRICAL UPGRADES. SMALL AMOUNTS OF DEMO WILL OCCUR THROUGHOUT THE PROJECT.

INDEX OF DRAWINGS

SHEET NUMBER	SHEET NAME	CURRENT REVISION DATE
01 GENERAL	COVER SHEET	12.15.25
G0.01	CODE ANALYSIS AND DRAWING INDEX	12.15.25
G0.10	SPECIFICATIONS	12.15.25
G0.20	INFORMATION SHEET	12.15.25
02 LIFE SAFETY		
LS1.10	CODE AND EXISTING PLAN	
AE2.10	OVERALL FLOOR PLAN LEVEL 2	
05 ARCHITECTURAL DEMO		
A2Z.10	DEMOLITION FLOOR PLAN LEVEL 2 & RCP	12.15.25
05 ARCHITECTURAL NEW CONSTRUCTION		
A2.10	FLOOR PLAN LEVEL 2 & RCP	12.15.25
A2.11	ALTERNATE BID FLOOR PLAN LEVEL 2	12.15.25
A2.41	TYPICAL NON-LOAD BEARING PARTITION FRAMING DETAILS	
A3.31	CEILING DETAILS	12.15.25
A10.30	FINISH PLAN	12.15.25
A11.30	INTERIOR ELEVATIONS	12.15.25
A11.10	DOOR FRAME ABBREVIATIONS, DOOR SCHEDULE, PARTITION SCHEDULE AND DETAILS	12.15.25

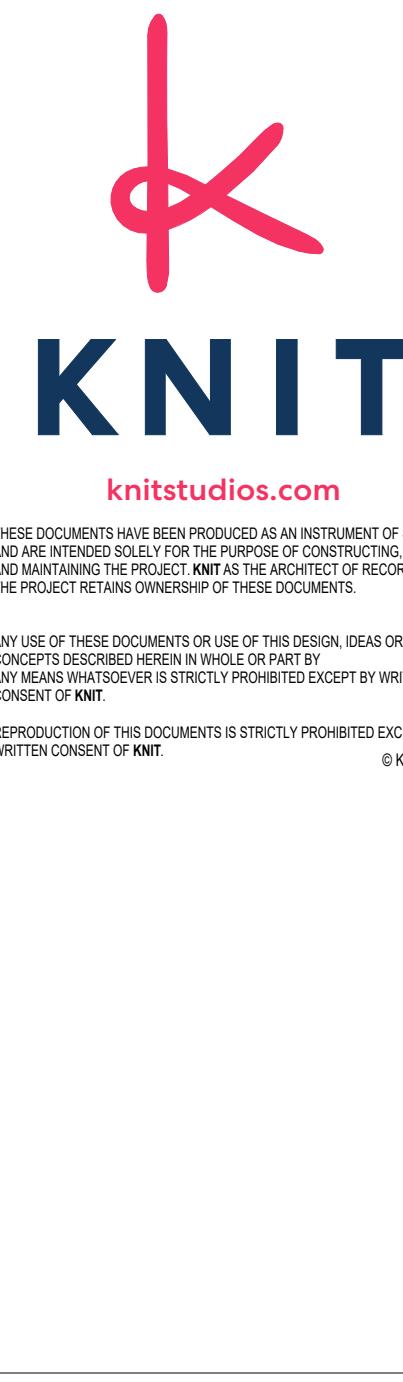
05 ARCHITECTURAL DEMO		
A2Z.10	DEMOLITION FLOOR PLAN LEVEL 2 & RCP	12.15.25
A2.10	FLOOR PLAN LEVEL 2 & RCP	12.15.25
A2.11	ALTERNATE BID FLOOR PLAN LEVEL 2	12.15.25
A2.41	TYPICAL NON-LOAD BEARING PARTITION FRAMING DETAILS	
A3.31	CEILING DETAILS	12.15.25
A10.30	FINISH PLAN	12.15.25
A11.30	INTERIOR ELEVATIONS	12.15.25
A11.10	DOOR FRAME ABBREVIATIONS, DOOR SCHEDULE, PARTITION SCHEDULE AND DETAILS	12.15.25

07 MECHANICAL		
M0.01	MECHANICAL TITLE SHEET	
M0.02	MECHANICAL GENERAL NOTES	
M0.03	MECHANICAL SPECIFICATIONS	
M0.04	PLUMBING SPECIFICATIONS	
MD1.01	LEVEL 2 MECHANICAL DEMO PLAN	
MD1.02	ALTERNATE BID LEVEL 2 MECHANICAL DEMO PLAN	
M1.01	LEVEL 2 MECHANICAL HVAC PLAN	
M1.02	ALTERNATE BID LEVEL 2 MECHANICAL HVAC PLAN	

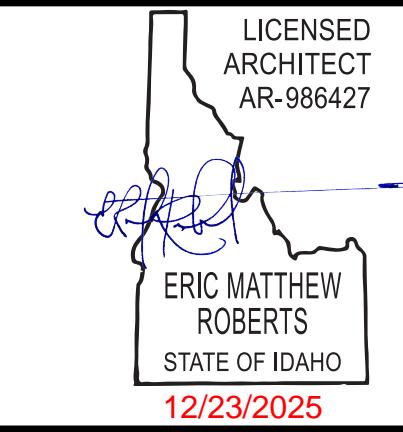
08 PLUMBING		
P1.01	LEVEL 2 PLUMBING PLAN	

09 ELECTRICAL		
E0.01	ELECTRICAL NOTES & SYMBOLS	
E0.02	ELECTRICAL SPECIFICATIONS	
E0.03	ELECTRICAL DETAILS	
E0.04	ELECTRICAL SCHEDULES	
E0.05	ELECTRICAL DIAGRAMS	
ED1.01	LEVEL 2 ELECTRICAL DEMO PLANS	
E1.01	LEVEL 2 ELECTRICAL PLANS	
E1.02	ALTERNATE BID LEVEL 2 ELECTRICAL PLANS	

11 FIRE		
FD1.01	LEVEL 2 FIRE PROTECTION DEMO PLAN	
F1.02	ALTERNATE BID LEVEL 2 FIRE PROTECTION DEMO PLAN	
F1.01	LEVEL 2 FIRE PROTECTION PLAN	
F1.02	ALTERNATE BID LEVEL 2 FIRE PROTECTION PLAN	



ISSUE DATE: 12.15.2025
 REV DATE: 2 12.15.25
 COMMENT: BID RFI CLARIFICATIONS



CODE ANALYSIS AND DRAWING INDEX
 LCSC PA LAB
 Sam Glenn Complex 500 4th St Lewiston, ID 83501
 Lewis Clark State College
 TITLE: JOB NO: 240216
 PROJECT: CLIENT
 JOB NO: 240216
 G0.01

ISSUE DATE: 12.15.2025

REV DATE: 12.15.25

COMMENT: BID RFI

CLARIFICATIONS

LICENSED
ARCHITECT
AR-986427
ERIC MATTHEW
ROBERTS
STATE OF IDAHO
12/23/2025

SPECIFICATIONS
LCSC PA LAB
San Glenn Complex 500 4th St Lewiston, ID 83501

TITLE: PROJECT: CLIENT:

JOB NO: 240216

GO.10

DIVISION 02 - EXISTING CONDITIONS
SECTION 024100
DEMOLITION

PART 1 GENERAL - NOT USED

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 GENERAL PROCEDURES AND PROJECT CONDITIONS

- A. Minimize production of dust due to demolition operations. Do not use water if that will result in ice, flooding, sedimentation of public waterways or storm sewers, or other pollution.
- 3.02 SELECTIVE DEMOLITION FOR ALTERATIONS**
 - A. Existing construction and utilities indicated on drawings are based on casual field observation and existing record documents only.
 - B. Remove existing work as indicated and required to accomplish new work.
 - C. Services including, but not limited to, HVAC, Plumbing, Fire Protection, Electrical, and Telecommunications. Remove existing systems and equipment as indicated.
 - 1. Maintain existing active systems to remain in operation, and maintain access to equipment and operational components.
 - 2. Where existing active systems are replaced, keep old facilities but are to be replaced with new equipment. Existing systems in service until new systems are complete and ready for service.
 - 3. Verify abandoned services serve only abandoned facilities before removal.
 - 4. Remove abandoned pipe, ducts, conduits, and equipment, including those above accessible ceilings. Remove back to source of supply where possible, otherwise cap and tag with identification.
 - D. Protect existing work to remain.
 - 1. Perform cutting to accomplish removal work neatly and as specified for cutting new work.
 - 2. Repair adjacent construction and finishes damaged during removal work.
 - 3. Patch to match new work.
- 3.03 DEBRIS AND WASTE REMOVAL**
 - A. Remove debris, junk, and trash from site.

END OF SECTION

DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES
SECTION 064100
ARCHITECTURAL WOOD CASEWORK

PART 1 GENERAL

1.01 SUBMITTALS

- A. Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details, and accessories.
- B. Samples: Submit actual samples of architectural cabinet construction, illustrating proposed cabinet and countertop substrate and finish.

PART 2 PRODUCTS

2.01 CABINETS

- A. Quality Standard: Custom Grade, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.
- B. Plastic Laminate Faced Cabinets: Custom grade.

2.02 PANEL CORE MATERIALS

- A. Medium Density Fiberboard (MDF): Composite panel composed of cellulose fibers, adhesives, and bonding system; cured under heat and pressure; comply with ANSI A208.2.

2.03 LAMINATE MATERIALS

- A. Manufacturers:
 - 1. Formica Corporation: www.formica.com/#sle.
 - 2. Panolam Industries International, Inc: www.panolam.com/#sle.
 - 3. Wilsonart LLC: www.wilsonart.com/#sle.
 - 4. Or equal.
- B. High Pressure Decorative Laminate (HPL): NEMA LD 3, types as recommended for specific applications.
- C. Provide specific types as indicated.
 - 1. Interior Surfaces: HG5, 0.048 inch (1.22 mm) nominal thickness, through color, stain finish.
 - 2. Vertical Surfaces: VGS, 0.028 inch (0.71 mm) nominal thickness, through color, stain finish.

2.04 FABRICATION

2.03 EXECUTION

3.01 INSTALLATION

- A. Install work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade indicated.

END OF SECTION

DIVISION 07 - THERMAL AND MOISTURE PROTECTION
SECTION 079200
JOINT SEALANTS

PART 1 GENERAL - NOT USED

PART 2 PRODUCTS

2.01 JOINT SEALANT APPLICATIONS

- A. Scope:
 - 1. Interior Joints:
 - a. Do not seal interior joints indicated on drawings as not sealed.
 - b. Do not seal gaps and openings in suspended ceilings.
 - c. Seal the following joints:
 - 1) Joints between door frames and adjacent construction.
 - 2) In sound-rated wall and ceiling assemblies, gaps at electrical outlets, wiring devices, and piping penetrations.
 - 3) In sound-rated wall and ceiling assemblies; seal joints between wall assemblies and ceiling assemblies; between wall assemblies and other construction; between ceiling assemblies and other construction.
 - B. Interior Joints: Use nonsag polyurethane sealant, unless otherwise indicated.
 - C. Sound-Rated Assemblies: Walls and ceilings identified as STC-rated, sound-rated, or acoustical.

2.02 JOINT SEALANTS - GENERAL

- A. Sealants and Primers: Provide products having lower volatile organic compound (VOC) content than indicated in SCAQMD 1168.

2.03 NONSAG JOINT SEALANTS

- A. Polyurethane Sealant: ASTM C920, Grade NS. Uses M and A; single or multi-component; not expected to withstand continuous water immersion or traffic.
- 1. Movement Capability: Plus and minus 35 percent, minimum.
- 2. Color: Match adjacent finished surfaces.
- 3. Products:
 - a. Master Builders Solutions; MasterSeal NP1: www.master-builders-solutions.com/en-us/#sle.
 - b. Pecora Corporation; DynaFlex: www.pecora.com/#sle.
 - c. Tremco Commercial Sealants & Waterproofing; Dymonic 100: www.tremcosealants.com/#sle.
 - d. Or equal.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Install this work in accordance with sealant manufacturer's requirements for preparation of surfaces and material installation instructions.
- B. Provide joint sealant installations complying with ASTM C1193.
- C. Install sealant free of air pockets, foreign embedded matter, ridges, and sags, and without sealing joint on adjacent surfaces.
- D. Nonsag Sealants: Tool surface concave, unless otherwise indicated; remove masking tape immediately after applying sealant surface.

END OF SECTION

DIVISION 08 - OPENINGS
SECTION 081213
HOLLOW METAL FRAMES

PART 1 GENERAL

1.01 DELIVERY, STORAGE, AND HANDLING

- A. Store in accordance with applicable requirements and in compliance with standards and/or custom guidelines as indicated.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Hollow Metal Frames:
 - 1. Ceco Door, an Assa Abloy Group company: www.assabloydss.com/#sle.
 - 2. Curries, an Assa Abloy Group company: www.assabloydss.com/#sle.
 - 3. Fler, an Assa Abloy Group company: www.assabloydss.com/#sle.
 - 4. Republic Doors, an Allegion brand: www.republicdoor.com/#sle.
 - 5. Steelcraft, an Allegion brand: www.allegion.com/#sle.
 - 6. Or equal.

2.02 PERFORMANCE REQUIREMENTS

- A. Door Frame Type: Provide hollow metal door frames with integral casings.
- 1. Interior Doors: Use frames with integral casings.
- B. Steel Sheet: Comply with one or more of the following requirements: galvanized steel complying with ASTM A653/A653M, cold-rolled steel complying with ASTM A1008/A1008M, hot-rolled pickled and oiled (HRCO) steel complying with ASTM A1011/A1011M, commercial steel (C59) Type B, for each.
- C. Accessibility: Comply with ICC A117.1 and ADA Standards.

- D. Combined Requirements: If a particular door and frame unit is indicated to comply with more than one type of requirement, comply with the specified requirements for each type; for instance, an exterior frame that is also indicated as being sound-rated will comply with the requirements specified for exterior frames and for sound-rated frames; where two requirements conflict, comply with the most stringent.
- E. Hardware Preparation, Selections and Locations: Comply with BHMA A156.115, NAAMM HMMA 630, NAAMM HMMA 831 or ANSI/SDI A250.8 (SDI-100) in accordance with specific requirements.

2.03 HOLLOW METAL DOOR FRAMES WITH INTEGRAL CASINGS

- A. Interior Door Frames, Non-Fire Rated: To match existing.
 - 1. Based on SDI Standards: ANSI/SDI A250.8 (SDI-100).
 - a. Level 2 Headrudy.
 - b. Impact Resistance Level B, 500,000 cycles; in accordance with ANSI/SDI A250.4.
 - c. Frame Metal Thickness: 16 gauge, 0.053 inch (1.3 mm), minimum.
 - 2. Frame Finish: Factory primed and field finished.

2.04 FINISHES

- A. Primer: Rust-inhibiting, complying with ANSI/SDI A250.10, door manufacturer's standard.

2.05 ACCESSORIES

- A. Silencers: Resilient rubber, fitted into drilled hole; provide three on strike side of single door, three on center of mid pairs, and two on head of pairs without center midlines.

2.06 EXECUTION

3.01 INSTALLATION

- A. Install frames in accordance with manufacturer's instructions and related requirements of specified frame standards or custom guidelines indicated.
- B. Coordinate frame anchor placement with wall construction.

END OF SECTION

SECTION 081416
FLUSH WOOD DOORS

PART 1 GENERAL

1.01 SUBMITTALS

- A. Shop Drawings: Show doors and frames, elevations, sizes, types, swings, undercuts, beveling, blocking for hardware, factory machining, factory finishing, cutouts for glazing and other details.
- B. Samples: Submit two samples of door veneer illustrating door facings.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. High Pressure Decorative Laminate (HPL) Faced Doors:
 - 1. Elias Corporation, a Division of Sankin Holdings: www.elsincorp.com/#sle.
 - 2. Forte Opening Solutions: www.forteopenings.com/#sle.
 - 3. Oregon Door: www.oregondoor.com/#sle.
 - 4. Ponderosa Door Co: www.ponderosa.com/#sle.
 - 5. VT Industries, Inc: www.vtindustries.com/#sle.
 - 6. Or equal

2.02 DOORS AND PANELS

- A. Doors:
 - 1. Quality Standard: Custom Grade, Heavy Duty performance, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.
 - 2. Interior Doors: U-shaped, sized to match studs.
 - 3. Furring Members: Hat-shaped sections, minimum depth of 7/8 inch (22 mm).
 - 4. Furring Members: U-shaped sections, minimum depth of 3/4 inch (19 mm).
 - 5. Furring Members: Zee-shaped sections, minimum depth of 1 inch (25 mm).

2.03 JOINTS

- A. Panel Head to Surface Connections: Provide mechanical anchorage devices that accommodate deflection and prevent rotation of studs while maintaining structural performance of panels.

2.04 FINISHES

2.05 DOOR CONSTRUCTION

- A. Fabricate doors in accordance with door quality standard specified.
- B. Factory machine doors for hardware other than surface-mounted hardware, in accordance with hardware requirements and dimensions.
- C. Factory fit doors for frame opening dimensions identified on shop drawings, with edge clearances in accordance with specified quality standard.

2.06 FINISHES - WOOD VENEER DOORS

- A. Finish work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), or equal.
- B. Factory finish doors to match existing.

2.07 ACCESSORIES

- A. Veneer Panels: Provide wood veneer frames with matching wood stops, factory-finished, as indicated; glazing stops to match door species and finish.

2.08 EXECUTION

3.01 INSTALLATION

- A. Install doors in accordance with manufacturer's instructions and specified quality standard.
- B. Install fire-rated doors in accordance with NFPA 80 requirements.
- C. Coordinate installation of doors with installation of frames and hardware.

END OF SECTION

SECTION 087100
DOOR HARDWARE

PART 1 GENERAL - NOT USED

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Manufacturers:
 - 1. ClarkDietrich: www.clarkdietrich.com/#sle.
 - 2. MBA Building Supplies: Slotted Slip Track: www.mba.com/#sle.
 - 3. Metal Lite: www.metallite.net/#sle.
 - 4. Super Stud Building Products: Slotted Deflection Track: www.buysuperstud.com/#sle.

2.02 DOORS AND PANELS

- A. Manufacturers:
 - 1. American Gypsum Company: www.americangypsum.com/#sle.
 - 2. CertainTeed Corporation: www.certainteed.com/#sle.
 - 3. Georgia-Pacific Gypsum: www.gpgypsum.com/#sle.
 - 4. PABCO Gypsum: www.pabco.com/#sle.
 - 5. USG Corporation: www.usg.com/#sle.

2.03 BOARD MATERIALS

- A. Manufacturers - Gypsum-Based Board:
 - 1. American Gypsum Company: www.americangypsum.com/#sle.
 - 2. CertainTeed Corporation: www.certainteed.com/#sle.
 - 3. Georgia-Pacific Gypsum: www.gpgypsum.com/#sle.
 - 4. PABCO Gypsum: www.pabco.com/#sle.
 - 5. USG Corporation: www.usg.com/#sle.
</

ISSUE DATE: 12.15.2025

REV DATE COMMENT
2 12.15.25 BID RFI
CLARIFICATIONS

LICENSED
ARCHITECT
AR-986427
ERIC MATTHEW
ROBERTS
STATE OF IDAHO
12/23/2025

INFORMATION SHEET

LCSC PA LAB

San Glenn Complex 500 4th St Lewiston, ID 83501

TITLE
PROJECT
CLIENT

JOB NO: 240216

G0.20

ABBREVIATIONS

#	POUND OR NUMBER	I.D.	INSIDE DIAMETER
&	AT	INSUL.	INSULATION
A.B.	ANCHOR BOLT	INT.	INTERIOR
A.C.	ASPHALT CONCRETE	JAN.	JANITOR
A.D.	AREA DRAIN	JT.	JOINT
A.F.F.	ABOVE FINISH FLOOR	K.O.	KNOCK OUT
A.F.G.	ABOVE FINISH GRADE	KIT.	KITCHEN
A.F.S.	ABOVE FLOOR SLAB	L.F.	LINEAR FOOT
A.G.	ABOVE GROUND	L.K.R.	LOCKER
A.V.	AUDIO/VIDEO	LAB.	LABORATORY
A.W.	ABOVE WATER	LAM.	LAMINATE
ACOUST.	ACOUSTICAL	LAV.	LAVATORY
ADJ.	ADJUSTABLE	LT.	LIGHT
AGGR.	AGGREGATE	M.C.	MEDICINE CABINET
AL.	ALUMINUM	M.O.	MASONRY OPENING
ANOD.	ANODIZED	MAX.	MAXIMUM
APPROX.	APPROXIMATE	MCH.	Mechanical
ARCH.	ARCHITECTURAL	MEMB.	MEMBRANE
ASPH.	ASPHALT	MET.	METAL
B.C.	BACK OF CURB	MFR.	MANUFACTURER
B.M.	BENCH MARK	M.H.	MANHOLE
B.U.R.	BUILT UP ROOF	MIN.	MINIMUM
BD.	BOARD	MIR.	MIRROR
BITUM.	BITUMINOUS	MISC.	MISCELLANEOUS
BLDG.	BUILDING	MTD.	MOUNTED
BLDG.	BUILDING	MUL.	MULCH
BLKG.	BLOCKING	N.	NORTH
BM.	BEAM	N.I.C.	NOT IN CONTRACT
BOT.	BOTTOM	N.T.S.	NOT TO SCALE
B.G.	BREAKING	NO.	NUMBER
BTW.	BETWEEN	NOM.	NOMINAL
C.B.	CATCH BASIN	O.C.	ON CENTER
C.F.C.I.	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED	O.D.	OUTSIDE DIAMETER (DIM)
C.F.O.I.	OWNER FURNISHED / OWNER INSTALLED	O.F.O.I.	OWNER INSTALLED
C.G.	CORNER GUARD	OA.	OWNER FURNISHED / OWNER INSTALLED
C.I.	CAST IRON	OBS.	OVERALL
C.J.	CAST IRON JOINT	OFF.	OFFICE
C.M.U.	CONCRETE MASONRY UNIT	OPNG.	OPENING
C.O.	CLEAN OUT	OPP.	OPPOSITE
C.R.	COLD ROLLED	P.B.	PEG BOARD
C.T.	CERAMIC TILE	P.L.	PROPERTY LINE
C.U.B.	CABINET	P.T.	PAPER TOWEL DISPENSER
CEM.	CEMENT	P.T.D.	P.T.D. AND RECEPTACLE
CEM.	CEMENT PLASTER	P.T.D.R.	PAPER TOWEL RECEPTACLE
PLAST.	CERAMIC	P.L.	PLATE
CL.	CERAMIC LINE	PLAM.	PLASTIC LAMINATE
CLG.	CAULKING	PLUM.	PLUMBING
CLR.	CLEAR	PLY. WD.	PLYWOOD
CLR.	COUNTER	PR.	PART
COLTR.	COLUMN	PRECAST.	PRECAST
COL.	CONCRETE	PAINT.	PAINT
CONN.	CONNECTION	PTN.	PARTITION
CONN.	CONTINUOUS	Q.T.	QUARRY TILE
CONSTR.	CONSTRUCTION	R.	RIBBON
CORR.	CORRIDOR	R.D.	ROOF DRAIN
CPT.	CARPET	R.O.	ROUGH OPENING
CTR.	COUNTER	R.W.L.	RAIN WATER LEADER
CTR.	COUNTERFOUNTAIN	RAD.	RADIUS
DR.	DRINKING FOUNTAIN	REFR.	REFRIGERATOR
D.O.	DOOR OPENING	REFR.	REFRIGERATOR
D.O.	DRY STANDPIPE	REINF.	REINFORCED
D.S.P.	DRAWER	REQ.	REQUIRED
D.W.R.	DOUBLE	RESIL.	RESILIENT
DEMO.	DEMOLITION	RIM.	RIM
DEPT.	DEPARTMENT	RSTR.	REGISTER
DET.	DETAIL	RWD.	REDWOOD
DET.	DIA METER	S. SK.	SERVICE SINK
DIM.	DI MENSION	S.D.	SIGHT
DISP.	DISPENSER	S.C.	SOLID CORE
DN.	DOWN	S.C.E.	SEAT COVER DISPENSER
DR.	DOOR	S.H.	SHELF
DVG.	DOWNSPOUT	S.N.D.	SANITARY NAPKIN
DVG.	DRAINING	SCHED.	SCHEDULE
E.	EAST	SD.	SCHEDULE
E.J.	EXPANSION JOINT	SECT.	SOAP DISPENSER
E.L.	ELEVATION	SHT.	SECTION
E.P.	ELIMINATE	SHOWER.	SHOWER
E.P.D.M.	EMERGENCY	SIM.	SIMMET
E.W.C.	EMERGENCY WATER COOLER	SPEC.	SIMILAR
E.W.C.	EMERGENCY WATER COOLER	SST.	SPECIFICATION
ELEC.	ELECTRICAL	STD.	SQUARE
EMER.	EMERGENCY	STL.	STATION
ENCL.	ENCLOSURE	STOR.	STANDARD
EO.	ENCLOSURE	STRL.	STORAGE
EQUIP.	EQUIPMENT	STRUCT.	STRUCTURAL
EXIST.	EXISTING	SYM.	SUSPENDED
EXP.	EXPANSION	T & G.	SYMMETRICAL
EXPO.	EXPOSED	T.B.	TONGUE & GROOVE
EXT.	EXTerior	TR.D.	TELEPHONE
F.A.	FIRE ALARM	TR.Y.	THICK
F.B.	FLAT BAR	T.O.C.	TELEPHONE EQUIPMENT
F.D.	FLOOR DRAIN	T.O.P.	ROOM
F.E.	FIRE EXTINGUISHER	T.O.W.	TOP OF CURB
F.F.C.	FLAME EXTINGUISHER	T.V.	TOP OF PAVEMENT
F.H.	FIRE HYDRANT	TEL.	TOP OF WALL
F.H.C.	FIRE HOSE CABINET	THK.	TELEVISION
F.O.C.	FACE OF CONCRETE	TRD.	TELEPHONE
F.O.M.	FACE OF FINISH	TYP.	THICK
F.O.S.	FACE OF MASONRY	UN.D.	THICK
F.S.	FACE OF STUDS	UNFIN.	UNPACED
FDN.	FLOOR SINK	V.B.	UNFINISHED
FL.	FOUNDATION	V.C.G.	UNPAINTED
FLASH.	FINISH	VAR.	VINYL CORNER GUARD
FLR.	FLASHING	VERT.	VINYL TILE
FLUOR.	FLOOR	VEST.	VARIES
FPRF.	FLUORESCENT	W.	VERTICAL
FRT.	FIREPROOF	W.C.	VISIBLE
FTG.	FOOT OR FEET	W/	WEST
FURR.	FOOTING	W/O	WATER CLOSET
FUT.	FUTURE	WD.	WITHOUT
GA.	GRAB BAR	WT.	WOOD
GALV.	GAUGE	WSCT.	WATERPROOF
GL.	GALVANIZED	WT.	WAINTSCOT
GL.	GLASS		WEIGHT
GND.	GLASS BLOCK		
GR.	GROUND		
GYP.	GRADE		
H.B.	GYPSUM		
H.C.	HOLLOW		
H.M.	HOLLOW CORE		
HDWD.	HOLLOW METAL		
HDWE.	HARDWOOD		
HGT.	HARDWARE		
HORIZ.	HORIZONTAL		
HR.	HORIZONTAL		

DEFINITIONS

DEMOLISH: Dismantle, raze, destroy, or wreck any building or structure or any part thereof.

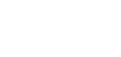
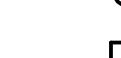
REMOVE: Detach or dismantle items from existing construction and dispose of them off site, unless items are indicated to be salvaged or reinstalled.

REMOVE AND SALVAGE: Detach or dismantle items from existing construction in a manner to prevent damage. Clean, package, label and deliver salvaged items ready-for-reuse condition.

REMOVE AND REINSTALL: Detach or dismantle items from existing construction in a manner to prevent damage. Clean and prepare for reuse and reinstall where indicated.

EXISTING TO REMAIN: Designation for existing items that are not to be removed and that are not otherwise indicated to be salvaged or reinstalled.

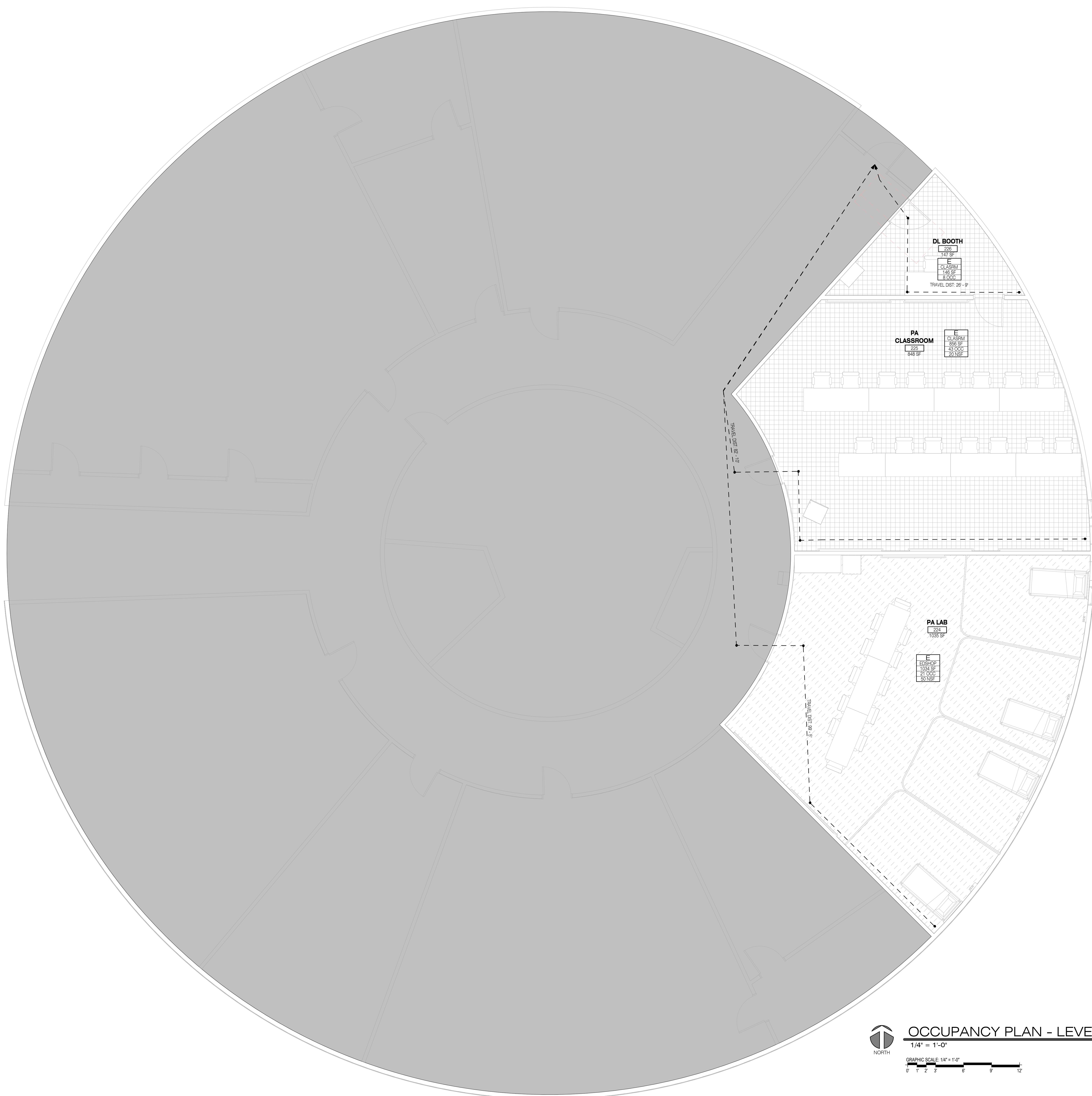
SYMBOL LEGEND

	DATUM POINT
	DOOR NUMBER
	WINDOW TAG
	ROOM NUMBER
	WALL TAG
	ACCESSORY/EQUIPMENT TAG
	KEYNOTE
	TIILTUP TAG
	NORTH ARROW
	PITCH
	CEILING TAG
	FLOORING TAG
	ELEVATION TAG
	GRID BUBBLE AND LINE
	EXISTING GRID BUBBLE AND LINE
	MATCH BUBBLE AND LINE
	INTERIOR ELEVATION TAG
	EXTERIOR ELEVATION TAG
	REVISION TAG
	BUILDING SECTION TAG
	WALL SECTION TAG

TITLE
PROJECT
CLIENT

JOB NO: 240216

G0.20



SHEET NOTES

1. CONTRACTOR SHALL MAINTAIN ALL REQUIRED MEANS OF EGRESS CLEAR, UNOBSTRUCTED, AND READILY ACCESSIBLE AT ALL TIMES DURING CONSTRUCTION. NO CONSTRUCTION MATERIALS, DEBRIS, EQUIPMENT, OR TEMPORARY BARRIERS SHALL RE-BLOCK EXIT ACCESS, EXIT DOORS, OR EXIT DISCHARGE PATHS. ANY TEMPORARY RE-ROUTING OF EGRESS SHALL BE CLEARLY MARKED, APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ), AND COORDINATED IN ADVANCE WITH THE OWNER.

SYMBOL LEGEND

SYMBOL	DESCRIPTION
EXIT WIDTH REQUIRED	EXIT DOOR CAPACITY
EXIT WIDTH PROVIDED	EXIT CAPACITY
EXIT WIDTH REQUIRED	EXIT STAIR CAPACITY
EXIT WIDTH PROVIDED	EXIT STAIR CAPACITY
TRAVEL DISTANCE: #'-#"	MEANS OF EGRESS PATH OF TRAVEL
OCCUPANCY USE	OCCUPANCY TAG
FUNCTION OF SPACE	OCCUPANCY TAG
SQUARE FOOTAGE	OCCUPANCY TAG
OCCUPANCY	OCCUPANCY TAG
OCCUPANCY FACTOR	OCCUPANCY TAG
F.E. SEP. DIST: #'-#"	FIRE EXTINGUISHER SEPARATION DISTANCE

ISSUE DATE: 12.15.2025

REV DATE COMMENT

LICENSED ARCHITECT
AR-986427
ERIC MATTHEW ROBERTS
STATE OF IDAHO
12/23/2025

OCCUPANCY USE LEGEND

	CLASRM - EDUCATIONAL (CLASSROOM AREA) 20 NSF
	EDSHOP - EDUCATIONAL (SHOPS AND OTHER VOCATIONAL ROOM) 50 NSF

OCCUPANCY CALCULATION

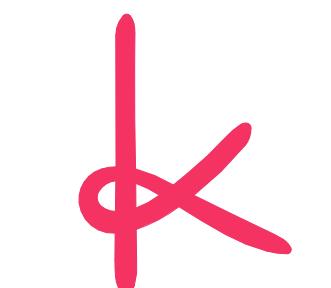
ABBREV	GROSS NET	AREA	OCCUPANT LOAD	# OCCUPANTS
EDUCATIONAL (CLASSROOM AREA)				
CLASRM NET	856 SF	20	43	
CLASRM NET	146 SF	20	8	
EDUCATIONAL (SHOPS AND OTHER VOCATIONAL ROOM)				
EDSHOP NET	1034 SF	50	21	
				72

CODE AND EXITING PLAN
LCSC PA LAB
San Glenn Complex 500 4th St Lewiston, ID 83501
Lewis Clark State College

TITLE: **JOHN**
PROJECT: **LCSC PA LAB**
CLIENT: **Lewis Clark State College**

JOB NO: **240216**

LS1.10



KNIT
knitstudios.com

THESE DOCUMENTS HAVE BEEN PRODUCED AS AN INSTRUMENT OF SERVICE AND ARE INTENDED SOLELY FOR THE PURPOSE OF CONSTRUCTING, SELLING AND/OR LEASING THE PROPERTY OWNED BY THE OWNER. THESE DOCUMENTS ARE NOT CONTRACTUAL AND ARE FOR INFORMATIONAL PURPOSES ONLY. THE PROJECT RETAINS OWNERSHIP OF THESE DOCUMENTS.

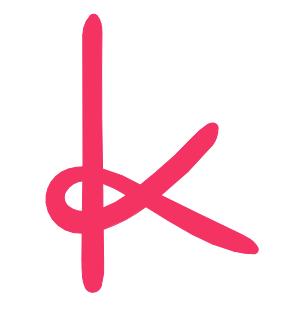
ANY USE OF THESE DOCUMENTS OR USE OF THIS DESIGN, IDEA OR CONCEPT IS PROHIBITED, EXCEPT IN WHOLE OR IN PART, BY ANY MEANS WHATSOEVER, WHETHER EXPRESSED OR IMPLIED, EXCEPT BY WRITTEN CONSENT OF KNIT.

REPRODUCTION OF THESE DOCUMENTS IS STRICTLY PROHIBITED EXCEPT BY WRITTEN CONSENT OF KNIT.

© KNIT 2025

PLAN LEGEND

AREA NOT IN SCOPE
 AREA OF WORK

**KNIT**

knitstudios.com

THESE DOCUMENTS HAVE BEEN PRODUCED AS AN INSTRUMENT OF SERVICE AND ARE INTENDED SOLELY FOR THE PURPOSE OF CONSTRUCTING, SELLING AND/OR LEASING THE PROPERTY OWNED BY THE PROJECT OWNER. THESE DOCUMENTS ARE THE PROPERTY OF THE PROJECT OWNER AND OWNERSHIP OF THESE DOCUMENTS TRANSFERS WITH OWNERSHIP OF THE PROPERTY.

ANY USE OF THESE DOCUMENTS OR USE OF THIS DESIGN, IDEA OR CONCEPT THEREIN WHOLE OR IN PART, IN WHOLE OR IN PART, BY ANY MEANS WHATSOEVER, IS PROHIBITED EXCEPT BY WRITTEN CONSENT OF KNIT.

REPRODUCTION OF THESE DOCUMENTS IS STRICTLY PROHIBITED EXCEPT BY WRITTEN CONSENT OF KNIT.

© KNIT 2025

ISSUE DATE: 12.15.2025

REV DATE COMMENT

LICENSED
ARCHITECT
AR-986427
ERIC MATTHEW
ROBERTS
STATE OF IDAHO
12/23/2025

OVERALL FLOOR PLAN LEVEL 2
LCSC MLT/PA LAB
San Glenn Complex 500 4th St Lewiston, ID 83501

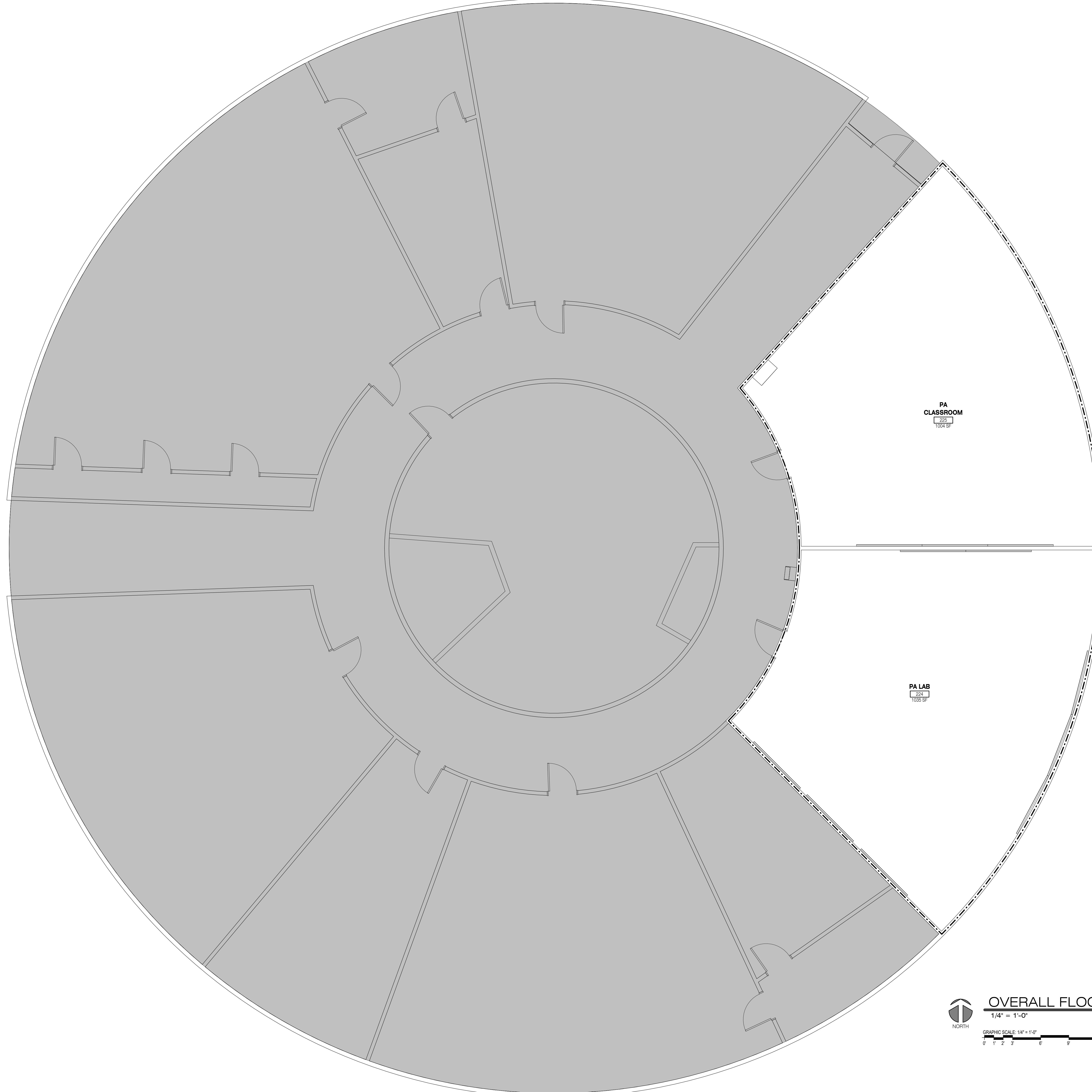
TITLE: Lewis Clark State College
PROJECT: Lewis Clark State College
CLIENT: Lewis Clark State College

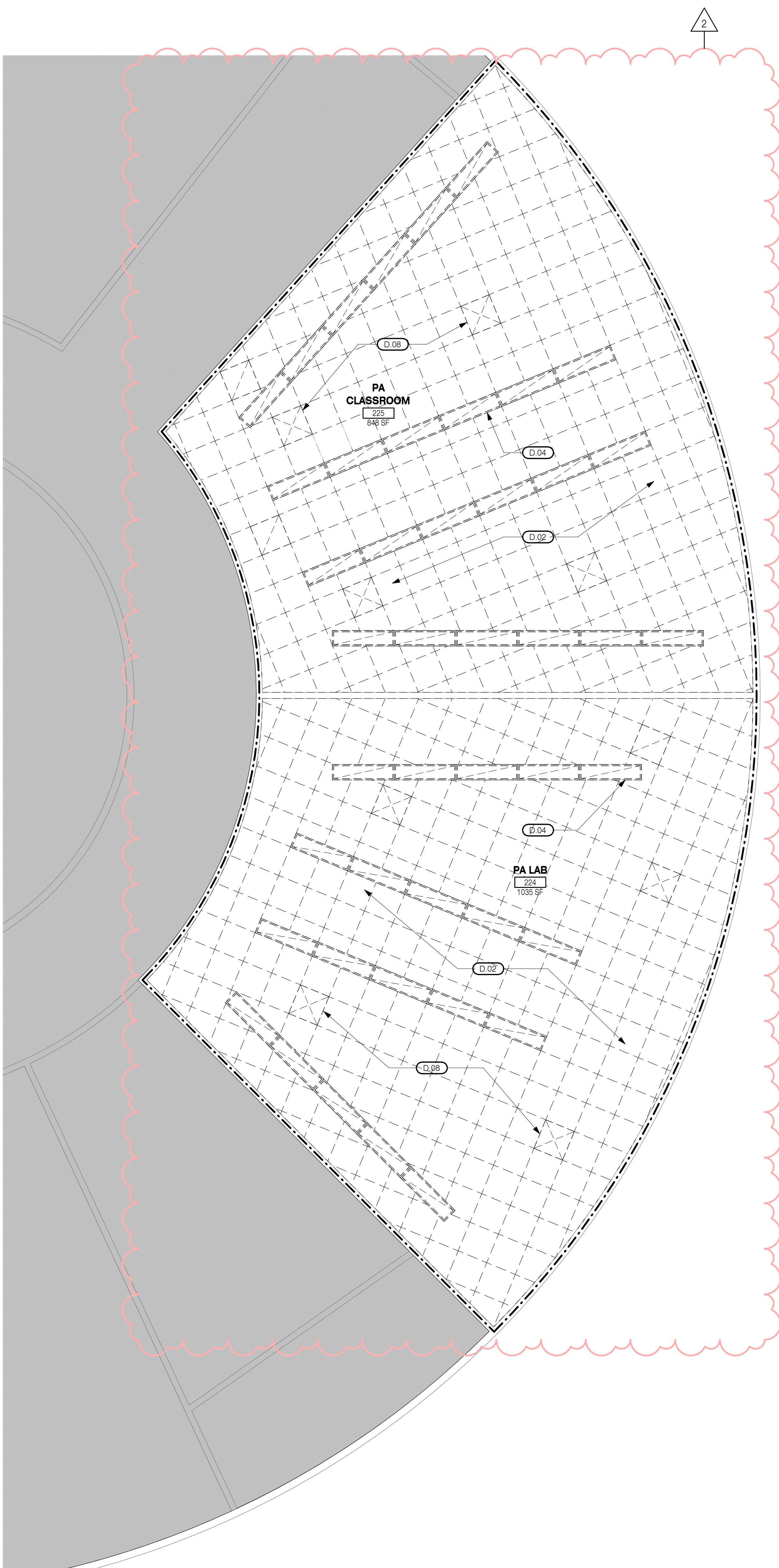
JOB NO: 240216

OVERALL FLOOR PLAN - LEVEL 2

NORTH

1/4" = 1'-0"
GRAPHIC SCALE: 1/4" = 1'-0"
0' 1' 2' 3' 6' 9' 12'

**AE2.10**





DEMOLITION RCP - LEVEL 2

1/4" = 1'-0"





DEMOLITION FLOOR PLAN - LEVEL 2

A graphic scale bar with markings at 0', 1', 2', 3', 6', 9', and 12'. Above the scale, the text "1/4\" data-bbox="200 100 480 140" data-label="Text"> $1/4"$ = 1'-0"

NORTH

GRAPHIC SCALE: $1/4"$ = 1'-0"

0' 1' 2' 3' 6' 9' 12'

SHEET NOTES

1. HEIGHT REFERENCES ARE TAKEN FROM FINISH FLOOR ELEVATIONS. DIMENSIONS ARE TO CENTERLINE OF FIXTURES. CEILING TAGS WITHOUT LVL 0 (LEVEL 0) ARE TAKEN FROM LEVEL 1.
2. NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN FINISH SCHEDULE AND CEILING PLAN
3. MECHANICAL FIXTURES, LIGHT FIXTURES SHOWN ON THIS DRAWING ARE FOR LOCATIONS ONLY. NOTIFY ARCHITECT OF DISCREPANCIES BETWEEN MECHANICAL AND ELECTRICAL DRAWINGS PRIOR TO ORDERING EQUIPMENT
4. CENTER ALL FIXTURE AND REGISTERS IN LAY-IN CEILING TILES U.N.O. FIXTURE SHALL BE SUPPORTS INDEPENDENTLY FROM SUSPENDED CEILING
5. ALL OSCI (OWNER SUPPLIED - CONTRACTOR INSTALLED) FIXTURES TO BE COORDINATED WITH CONTRACTOR FOR INSTALLATION REQUIREMENTS AND HEIGHTS PRIOR TO ROUGH IN OF CONNECTIONS
6. ALL DIMENSIONS ARE TO FACE OF STUDS, FACE OF CMU WALL OR CENTER LINE OF GRIDS U.N.O. ALL CLEAR DIMENSIONS ARE FROM FACE OF FINISH
7. DO NOT SCALE FROM DRAWINGS
8. FIELD VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IMMEDIATELY NOTIFY ARCHITECT OF ANY PLAN DISCREPANCIES OR EXISTING AS-BUILT CONDITION CONFLICTING INFORMATION.
9. REFER TO ELECTRICAL DRAWINGS FOR ALL LOCATIONS AND REQUIREMENTS OF ELECTRICAL EQUIPMENT, DEVICES, AND INFRASTRUCTURE
10. REFER TO SPECIFICATIONS FOR SUBMITTAL OF SAMPLES OF ALL INTERIOR MATERIALS AND/ OR FINISHES
11. ALL RECEPTACLES AND SWITCHES TO REMAIN, U.N.O
12. VENTILATE ENCLOSED AREAS TO ASSIST CURE OF MATERIALS, TO DISSIPATE HUMIDITY, AND TO PREVENT ACCUMULATION OF DUST, FUMES, VAPORS, OR GASES.
13. KEEP AREAS IN WHICH ALTERATIONS ARE BEING CONDUCTED SEPARATED FROM OTHER AREAS THAT ARE NOT AFFECTED BY ALTERATION WORK.
14. PROVIDE, ERECT, AND MAINTAIN TEMPORARY DUSTPROOF PARTITIONS TO SEPARATE AREAS OF ALTERATION FROM THE REMAINING PORTIONS OF THE BUILDING.
15. REMOVE EXISTING WORK AS INDICATED AND AS REQUIRED TO ACCOMPLISH NEW WORK.
16. REMOVE ROTTED WOOD, CORRODED METALS, AND DETERIORATED MASONRY AND CONCRETE; REPLACE WITH NEW CONSTRUCTION.
17. REMOVE ITEMS INDICATED ON DRAWINGS AS TO BE DEMOLISHED.
18. RELOCATE ITEMS INDICATED ON DRAWINGS INDICATED TO BE SALVAGED.
19. WHERE NEW SURFACE FINISHES ARE TO BE APPLIED TO EXISTING WORK, PERFORM REMOVALS, PATCH, AND PREPARE EXISTING SURFACES AS REQUIRED TO RECEIVE NEW FINISH; REMOVE EXISTING FINISH IF NECESSARY FOR SUCCESSFUL APPLICATION OF NEW FINISH.
20. WHERE NEW SURFACE FINISHES ARE NOT SPECIFIED OR INDICATED, PATCH HOLES AND DAMAGED SURFACES TO MATCH ADJACENT FINISHED SURFACES AS CLOSELY AS POSSIBLE.
21. SERVICES (INCLUDING BUT NOT LIMITED TO HVAC, PLUMBING, FIRE PROTECTION, ELECTRICAL, AND TELECOMMUNICATIONS): REMOVE, RELOCATE, AND EXTEND EXISTING SYSTEMS TO ACCOMMODATE NEW CONSTRUCTION.
22. REMOVE ABANDONED PIPE, DUCTS, CONDUITS, AND EQUIPMENT , INCLUDING THOSE ABOVE ACCESSIBLE CEILINGS; REMOVE BACK TO SOURCE OF SUPPLY WHERE POSSIBLE, OTHERWISE CAP STUB AND TAG WITH IDENTIFICATION; PATCH HOLES LEFT BY REMOVAL USING MATERIALS SPECIFIED FOR NEW CONSTRUCTION.
23. PERFORM WHATEVER CUTTING AND PATCHING IS NECESSARY TO: COMPLETE THE WORK, FIT PRODUCTS TOGETHER TO INTEGRATE WITH OTHER WORK, PROVIDE OPENINGS FOR PENETRATION OF MECHANICAL, ELECTRICAL, AND OTHER SERVICES, MATCH WORK THAT HAS BEEN CUT TO ADJACENT WORK, REPAIR AREAS ADJACENT TO CUTS TO REQUIRED CONDITION, REPAIR NEW WORK DAMAGED BY SUBSEQUENT WORK, REMOVE SAMPLES OF INSTALLED WORK FOR TESTING WHEN REQUESTED, REMOVE AND REPLACE DEFECTIVE AND NON-COMPLYING WORK.
24. PATCHING: FINISH PATCHED SURFACES TO MATCH FINISH THAT EXISTED PRIOR TO PATCHING. ON CONTINUOUS SURFACES, REFINISH TO NEAREST INTERSECTION OR NATURAL BREAK. FOR AN ASSEMBLY, REFINISH ENTIRE UNIT, MATCH COLOR, TEXTURE, AND APPEARANCE, REPAIR PATCHED SURFACES THAT ARE DAMAGED, LIFTED, DISCOLORED, OR SHOWING OTHER IMPERFECTIONS DUE TO PATCHING WORK. IF DEFECTS ARE DUE TO CONDITION OF SUBSTRATE, REPAIR SUBSTRATE PRIOR TO REPAIRING FINISH.

DATE: 12.15.2025

REV	DATE	COMMENT
2	12.15.25	BID RFI CLARIFICATIONS

LICENSED
ARCHITECT
AR-986427

[Handwritten signature over the state outline]

ERIC MATTHEW
ROBERTS
STATE OF IDAHO

KEYNOTES

D.01	REMOVE CARPET AND WALLBASE COMPLETE; CLEAN AND PREP FLOOR FOR NEW CARPETING; CLEAN WALL OF ANY ADHESIVE, PATCH AND REPAIR WALL AS REQUIRED TO PREPARE FOR NEW WALL BASE
D.02	REMOVE (DEMOLISH) EXISTING CONCEALED SUSPENDED CEILING SYSTEM AND ALL ASSOCIATED ITEMS
D.03	DEMOLISH EXISTING WALL TO PREPARE FOR NEW DOOR
D.04	REMOVE (DEMOLISH) FLUORESCENT 2X4 FIXTURES. PREPARE FOR NEW LIGHTING IN THE SAME LOCATIONS PATCH AND REPAIR CEILING AS REQUIRED
D.05	EXISTING SERVER RACK TO BE REMOVED AND SALVAGED. WORK TO BE COMPLETE BY OWNER
D.06	EXISTING DRINKING FOUNTAIN TO REMAIN
D.07	REMOVE AND SALVAGE EXISTING WHITE BOARDS
D.08	REMOVE (DEMOLISH) EXISTING AIR TERMINALS, COORDINATE WITH MECHANICAL

DEMO CEILING FIXTURE LEGEND

<u>SYMBOL</u>	<u>DESCRIPTION</u>
	DEMO 1X4 RECESSED FLUORESCENT LIGHT FIXTURE
	EXISTING RETURN AIR DIFFUSER / EXHAUST TO REMAIN
	EXISTING SUPPLY AIR DIFFUSER TO REMAIN

PLAN LEGEND

The diagram consists of two horizontal rectangular boxes. The top box is solid grey and contains the text 'AREA NOT IN SCOPE'. The bottom box has a hatched pattern and contains the text 'AREA OF WORK'.

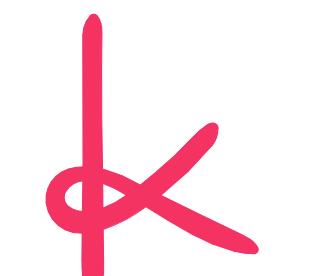
卷之三

- 5 -

1

JOB NO: 240216

AD2.10

**KNIT**

knitstudios.com

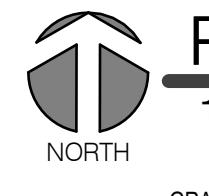
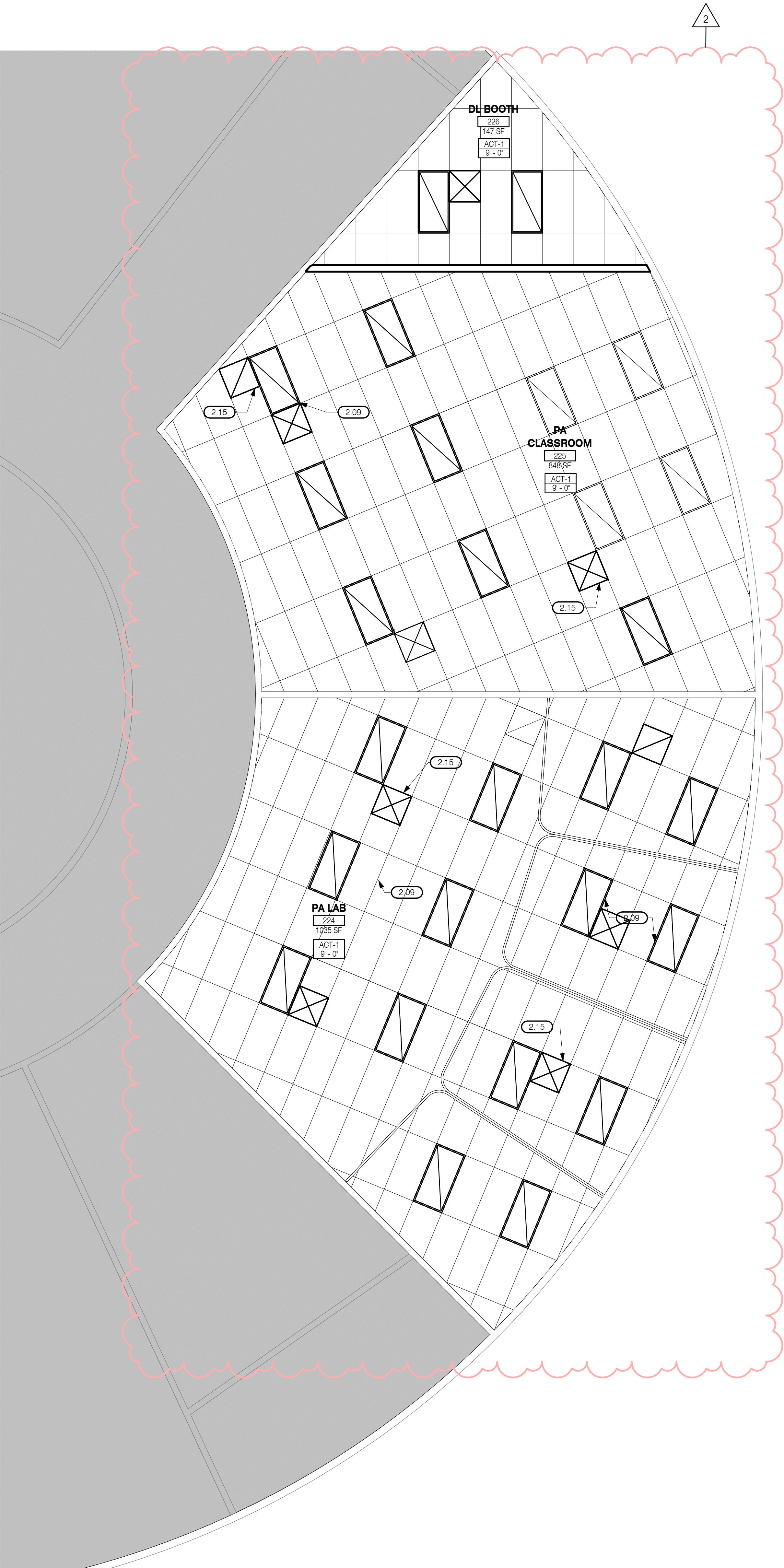
THESE DOCUMENTS HAVE BEEN PRODUCED AS AN INSTRUMENT OF SERVICE AND ARE INTENDED SOLELY FOR THE PURPOSE OF CONSTRUCTING, SELLING AND MAINTAINING THE PROJECT IDENTIFIED ON THE DOCUMENTS. THESE DOCUMENTS ARE THE PROPERTY OF THE PROJECT OWNER AND OWNERSHIP OF THESE DOCUMENTS IS TRANSFERRED WHEN THE PROJECT IS COMPLETED.

ANY USE OF THESE DOCUMENTS OR PORTION OF THESE DOCUMENTS, IN WHOLE OR IN PART, IS PROHIBITED UNLESS APPROVED BY THE PROJECT OWNER OR KNIT. ANYONE WHO USES THESE DOCUMENTS IN WHOLE OR IN PART, DOES SO AT THEIR OWN RISK. KNIT IS NOT RESPONSIBLE FOR ANY USE OF THESE DOCUMENTS EXCEPT BY WRITTEN CONSENT OF KNIT.

REPRODUCTION OF THESE DOCUMENTS IS STRICTLY PROHIBITED EXCEPT BY WRITTEN CONSENT OF KNIT.

ISSUE DATE: 12.15.2025

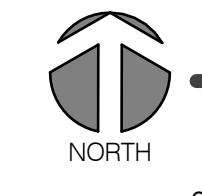
REV DATE 2 12.15.25
COMMENT BID RFI
CLARIFICATIONS



RCP - LEVEL 2

1/4" = 1'-0"

GRAPHIC SCALE: 1/4" = 1'-0"



FLOOR PLAN - LEVEL 2

1/4" = 1'-0"

GRAPHIC SCALE: 1/4" = 1'-0"

SHEET NOTES

- ALL DIMENSIONS ARE TO FACE OF STUDS, FACE OF CMU WALL, OR CENTER LINE OF GRIDS U.N.O. ALL CLEAR DIMENSIONS ARE FROM FACE OF FINISH
- DO NOT SCALE FROM DRAWINGS
- FIELD VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION IMMEDIATELY NOTIFY ARCHITECT OF ANY PLAN DISCREPANCIES OR EXISTING AS-BUILT CONDITION CONFLICTING INFORMATION
- ALL DOORS AND WINDOWS DIMENSIONED TO CENTERLINE OF CLEAR OPENING. ALL NON-DIMENSIONED WINDOWS TO BE CENTERED IN THE CLEAR OPENING
- REFER TO MECHANICAL DRAWINGS FOR ALL LOCATIONS AND REQUIREMENTS OF MECHANICAL EQUIPMENT AND INFRASTRUCTURE
- REFER TO PLUMBING DRAWINGS FOR ALL LOCATIONS AND REQUIREMENTS OF PLUMBING EQUIPMENT AND INFRASTRUCTURE
- REFER TO ELECTRICAL DRAWINGS FOR ALL LOCATIONS AND REQUIREMENTS OF ELECTRICAL EQUIPMENT, DEVICES, AND INFRASTRUCTURE
- REFER TO SPECIFICATIONS FOR SUBMITTAL OF SAMPLES OF ALL INTERIOR MATERIALS AND/OR FINISHES
- HEIGHT REFERENCES ARE TAKEN FROM FINISH FLOOR ELEVATIONS. DIMENSIONS ARE TO CENTERLINE OF FIXTURES. CEILING TAGS WITHOUT LVL 0 (LEVEL 0) ARE TAKEN FROM LEVEL 1
- NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN FINISH SCHEDULE AND CEILING PLAN
- MECHANICAL FIXTURES, LIGHT FIXTURES SHOWN ON THIS DRAWING ARE FOR LOCATIONS ONLY. NOTIFY ARCHITECT OF DISCREPANCIES BETWEEN MECHANICAL AND ELECTRICAL DRAWINGS PRIOR TO ORDERING EQUIPMENT
- CENTER ALL FIXTURE AND REGISTERS IN LAY-IN CEILING TILES U.N.O. FIXTURE SHALL BE SUPPORTED INDEPENDENTLY FROM SUSPENDED CEILING
- THE GENERAL CONTRACTOR SHALL COORDINATE FIRE SPRINKLER HEAD LOCATIONS WITH MECHANICAL AND ELECTRICAL ITEMS. ALL HEADS SHALL BE CENTERED IN CEILING TILES, WHERE OCCURS
- ALL OSCI (OWNER SUPPLIED - CONTRACTOR INSTALLED) FIXTURES TO BE COORDINATED WITH CONTRACTOR FOR INSTALLATION REQUIREMENTS AND HEIGHTS PRIOR TO ROUGH IN OF CONNECTIONS
- ADAPT EXISTING WORK TO FIT NEW WORK. MAKE AS NEAT AND SMOOTH TRANSITION AS POSSIBLE
- WHEN EXISTING FINISHED SURFACES ARE CUT SO THAT A SMOOTH TRANSITION WITH NEW WORK IS NOT POSSIBLE, TERMINATE EXISTING SURFACE ALONG A STRAIGHT LINE AT A NATURAL LINE OF DIVISION AND MAKE RECOMMENDATION TO ARCHITECT
- WHERE REMOVAL OF PARTITIONS OR WALLS RESULTS IN ADJACENT SPACES BECOMING ONE, REWORK FLOORS, WALLS, AND CEILINGS TO A SMOOTH PLANE WITHOUT BREAKS, STEPS, OR BULKHEADS
- WHERE A CHANGE OF PLANE OF 1/4 INCH (6 MM) OR MORE OCCURS IN EXISTING WORK FLOAT EXISTING FINISHED SURFACES TO PROVIDE A NEAT AND SMOOTH TRANSITION AS POSSIBLE
- PATCHING: WHERE THE EXISTING SURFACE IS NOT INDICATED TO BE REFINISHED, PATCH TO MATCH THE SURFACE FINISH THAT EXISTED PRIOR TO CUTTING. WHERE THE SURFACE IS INDICATED TO BE REFINISHED, PATCH SO THAT THE SUBSTRATE IS READY FOR THE NEW FINISH
- REFINISH EXISTING SURFACES AS INDICATED
- WHERE ROOMS OR SPACES ARE INDICATED TO BE REFINISHED, REFINISH ALL VISIBLE EXISTING SURFACES TO REMAIN TO THE SPECIFIED CONDITION FOR EACH MATERIAL, WITH A NEAT TRANSITION TO ADJACENT FINISHES
- IF MECHANICAL OR ELECTRICAL WORK IS EXPOSED ACCIDENTALLY DURING THE WORK, RE-COVER AND REFINISH TO MATCH

KEYNOTES

2.01 INSTALL NEW DOOR AND FRAME IN NEW OPENING
2.02 EXISTING WHITEBOARDS TO BE RELOCATED
2.03 NEW SURGICAL SCRUB SINK CONNECTED TO EXISTING PLUMBING. REFER TO PLUMBING DRAWINGS
2.04 SALVAGED SERVER RACK TO BE RELOCATED. WORK TO BE DONE BY OWNER
2.05 FURNITURE TO BE O.F.O.
2.09 NEW LIGHT FIXTURE, REFER TO ELECTRICAL
2.13 NEW WIREMOLD TO BE INSTALLED, AT LEAST 3 CIRCUITS, REFER TO ELECTRICAL
2.14 NEW WIREMOLD TO BE INSTALLED, AT LEAST 4 CIRCUITS, REFER TO ELECTRICAL
2.15 NEW RETURN AIR DIFFUSER. SEE MECHANICAL
2.16 NEW BUILT IN COUNTER WITH CABINET BELOW, PLAM-1

LICENSED
ARCHITECT
AR-986427

ERIC MATTHEW
ROBERTS
STATE OF IDAHO
12/23/2025

CEILING TYPES

SYMBOL	CEILING DESCRIPTION
XXX-4 50'-0"	CEILING TYPE MARK CEILING HEIGHT (INDICATES HEIGHT ABOVE FINISHED FLOOR)

ACT-1: NEW 2X4 ACOUSTICAL CEILING SYSTEM

CEILING FIXTURE LEGEND

SYMBOL	DESCRIPTION
RECESSED LED LIGHT FIXTURE	RECESSED LED LIGHT FIXTURE
EXISTING RETURN AIR DIFFUSER / EXHAUST	EXISTING RETURN AIR DIFFUSER / EXHAUST
EXISTING SUPPLY AIR DIFFUSER	EXISTING SUPPLY AIR DIFFUSER
NEW SUPPLY AIR DIFFUSER / EXHAUST, SEE MECHANICAL	NEW SUPPLY AIR DIFFUSER / EXHAUST, SEE MECHANICAL
NEW RETURN AIR DIFFUSER / EXHAUST, SEE MECHANICAL	NEW RETURN AIR DIFFUSER / EXHAUST, SEE MECHANICAL

WALL LEGEND

LEGEND	DESCRIPTION
EXISTING NON-LOAD BEARING PARTITION (NON-RATED)	
NEW NON-LOAD BEARING PARTITION (NON-RATED)	
XXX-XA A=ACOUSTICAL CORE THICKNESS FIRE RATING OR SMOKE CORE HEIGHT CORE TYPE	A=ACOUSTICAL CORE THICKNESS FIRE RATING OR SMOKE CORE HEIGHT CORE TYPE

FLOOR PLAN LEVEL 2 & RCP
LCSC PA LAB
San Glenn Complex 500 4th St Lewiston, ID 83501

TITLE

PROJECT

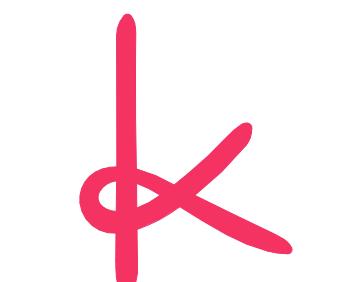
CLIENT

JOB NO: 240216

A2.10

SHEET NOTES

1. ALL DIMENSIONS ARE TO FACE OF STUDS, FACE OF CMU WALL, OR CENTER LINE OF GRIDS U.N.O. ALL CLEAR DIMENSIONS ARE FROM FACE OF FINISH
2. DO NOT SCALE FROM DRAWINGS
3. FIELD VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IMMEDIATELY NOTIFY ARCHITECT OF ANY PLAN DISCREPANCIES OR EXISTING AS-BUILT CONDITION CONFLICTING INFORMATION
4. ALL DOORS AND WINDOWS DIMENSIONED TO CENTERLINE OF CLEAR OPENING. ALL NON-DIMENSIONED WINDOWS TO BE CENTERED IN THE CLEAR OPENING
5. REFER TO MECHANICAL DRAWINGS FOR ALL LOCATIONS AND REQUIREMENTS OF MECHANICAL EQUIPMENT AND INFRASTRUCTURE
6. REFER TO PLUMBING DRAWINGS FOR ALL LOCATIONS AND REQUIREMENTS OF PLUMBING EQUIPMENT AND INFRASTRUCTURE
7. REFER TO ELECTRICAL DRAWINGS FOR ALL LOCATIONS AND REQUIREMENTS OF ELECTRICAL EQUIPMENT, DEVICES, AND INFRASTRUCTURE
8. REFER TO SPECIFICATIONS FOR SUBMITTAL OF SAMPLES OF ALL INTERIOR MATERIALS AND/OR FINISHES
9. HEIGHT REFERENCES ARE TAKEN FROM FINISH FLOOR ELEVATIONS. DIMENSIONS ARE TO CENTERLINE OF FIXTURES. CEILING TAGS WITHOUT LVL 0 (LEVEL 0) ARE TAKEN FROM LEVEL 1
10. NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN FINISH SCHEDULE AND CEILING PLAN
11. MECHANICAL FIXTURES, LIGHT FIXTURES SHOWN ON THIS DRAWING ARE FOR LOCATIONS ONLY. NOTIFY ARCHITECT OF DISCREPANCIES BETWEEN MECHANICAL AND ELECTRICAL DRAWINGS PRIOR TO ORDERING EQUIPMENT
12. CENTER ALL FIXTURE AND REGISTERS IN LAY-IN CEILING TILES U.N.O. FIXTURE SHALL BE SUPPORTS INDEPENDENTLY FROM SUSPENDED CEILING
13. THE GENERAL CONTRACTOR SHALL COORDINATE FIRE SPRINKLER HEAD LOCATIONS WITH MECHANICAL AND ELECTRICAL ITEMS. ALL HEADS SHALL BE CENTERED IN CEILING TILES, WHERE OCCURS
14. ALL OSCI (OWNER SUPPLIED - CONTRACTOR INSTALLED) FIXTURES TO BE COORDINATED WITH CONTRACTOR FOR INSTALLATION REQUIREMENTS AND HEIGHTS PRIOR TO ROUGH IN OF CONNECTIONS
15. ADAPT EXISTING WORK TO FIT NEW WORK. MAKE AS NEAT AND SMOOTH TRANSITION AS POSSIBLE
16. WHEN EXISTING FINISHED SURFACES ARE CUT SO THAT A SMOOTH TRANSITION WITH NEW WORK IS NOT POSSIBLE, TERMINATE EXISTING SURFACE ALONG A STRAIGHT LINE AT A NATURAL LINE OF DIVISION AND MAKE RECOMMENDATION TO ARCHITECT
17. WHERE REMOVAL OF PARTITIONS OR WALLS RESULTS IN ADJACENT SPACES BECOMING ONE, REWORK FLOORS, WALLS, AND CEILINGS TO A SMOOTH PLANE WITHOUT BREAKS, STEPS, OR BULKEADS
18. WHERE A CHANGE OF PLANE OF 1/4 INCH (6 MM) OR MORE OCCURS IN EXISTING WORK FLOAT EXISTING FINISHED SURFACES TO PROVIDE A NEAT AND SMOOTH TRANSITION AS POSSIBLE
19. PATCHING: WHERE THE EXISTING SURFACE IS NOT INDICATED TO BE REFINISHED, PATCH TO MATCH THE SURFACE FINISH THAT EXISTED PRIOR TO CUTTING. WHERE THE SURFACE IS INDICATED TO BE REFINISHED, PATCH SO THAT THE SUBSTRATE IS READY FOR THE NEW FINISH
20. REFINISH EXISTING SURFACES AS INDICATED
21. WHERE ROOMS OR SPACES ARE INDICATED TO BE REFINISHED, REFINISH ALL VISIBLE EXISTING SURFACES TO REMAIN TO THE SPECIFIED CONDITION FOR EACH MATERIAL, WITH A NEAT TRANSITION TO ADJACENT FINISHES
22. IF MECHANICAL OR ELECTRICAL WORK IS EXPOSED ACCIDENTALLY DURING THE WORK, RE-COVER AND REFINISH TO MATCH



knitstudios.com

THESE DOCUMENTS HAVE BEEN PRODUCED AS AN INSTRUMENT OF SERVICE AND ARE INTENDED SOLELY FOR THE PURPOSE OF CONSTRUCTING, USING AND MAINTAINING THE PROJECT. THE PROJECT OWNER IS THE RECORD OWNER OF THESE DOCUMENTS. THE PROJECT RETAINS OWNERSHIP OF THESE DOCUMENTS.

ANY USE OF THESE DOCUMENTS OR USE OF THIS DESIGN IDEAS OR DESIGN DOCUMENTS, WHOLE OR IN PART, BY ANY MEANS WHATSOEVER, IS PROHIBITED EXCEPT BY WRITTEN CONSENT OF KNIT.

REPRODUCTION OF THIS DOCUMENTS IS PROHIBITED EXCEPT BY WRITTEN CONSENT OF KNIT.

© KNIT, 2025

ISSUE DATE: 12.15.2025

REV DATE COMMENT
2 12.15.25 BID RFI CLARIFICATIONS

LICENSED
ARCHITECT
AR-886427
ERIC MATTHEW
ROBERTS
STATE OF IDAHO
12/23/2025

ALTERNATE BID FLOOR PLAN LEVEL 2
LCSC PA LAB

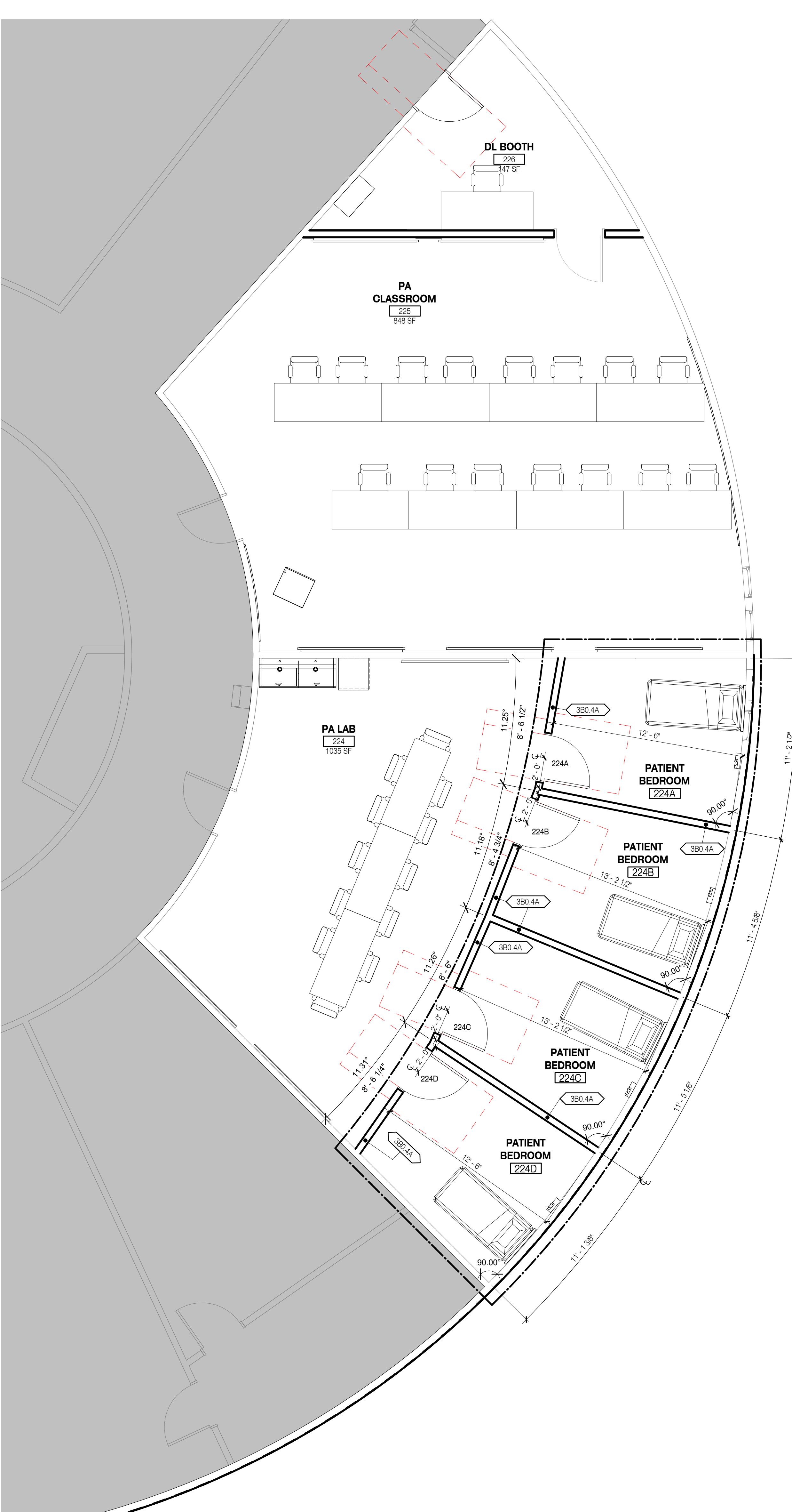
San Glenn Complex 500 4th St, Lewiston, ID 83501
Lewis Clark State College

JOB NO: 240216
TITLE
PROJECT
CLIENT



ALTERNATE NO. 1 FLOOR PLAN - LEVEL 2

1/4" = 1'-0"
GRAPHIC SCALE: 1/4" = 1'-0"



ALTERNATE NO. 1 FLOOR PLAN - LEVEL 2

1/4" = 1'-0"
GRAPHIC SCALE: 1/4" = 1'-0"

A2.11

GENERAL NOTES

1. ACCEPTABLE LIGHT GAUGE METAL FRAMING MANUFACTURERS

MANUFACTURER	ICC EVALUATION REPORT NUMBER
CLARK DURRICH	ESR-304P
DAVCO	ESR-2820
GEMCO METAL FRAMING	ESR-3016
CERTIFIED STEEL STUD ASSOCIATION (CSSA)*	ESR-3016
STEEL STUD MANUFACTURERS ASSOCIATION (SSMA)*	ESR-3064P

*ANY MANUFACTURERS LISTED HAVE APPROVED TEST EVALUATION REPORT AND REPORT HOLDER

2. PROVIDED MINIMUM 22 GAUGE STUDS - UNLESS HEAVIER GAUGE IS NECESSARY ACCORDING TO THE MANUFACTURER'S LIMITATION TABLES OR THE MANUFACTURER'S ICC EVALUATION REPORT. PROVIDE MINIMUM 22 GAUGE INSTEAD OF 21 GAUGE. INCREASED SIZE IS NECESSARY ACCORDING TO THE PUBLISHED TABLES OF THE MANUFACTURER'S ICC EVALUATION REPORT OR AS FOLLOWS:

3. INSTALL STUDS AT 16 INCHES ON CENTER TYPICALLY, UNLESS REDUCED SPACING IS NECESSARY ACCORDING TO THE PUBLISHED TABLES OF THE MANUFACTURER'S ICC EVALUATION REPORT. DO NOT SPLICE STUDS. PROVIDE STUDS NOT MORE THAN 2 INCHES FROM EACH CORNER OF WALL OR ABUTTING CONSTRUCTION.

4. METAL STUD WALL BLOCKING OR BACKING PLATES: PROVIDE BACKING AS INDICATED AND AS NECESSARY TO SUPPORT ALL PRODUCTS ATTACHED TO WALL AFTER COMPLETION OF FINISH SURFACE, INCLUDING TOILET AND BATHTUB ACCESSORIES, PLUMBING AND ELECTRICAL FIXTURE, ELECTRICAL PANELS, TOILET PARTITIONS, CASEWORK, HARDWARE, HANDRAILS, TRIM, ETC.

5. BOTTOM TRACK - SECURE TO STRUCTURE USING FASTENERS, FASTENERS:
A. TRACK TO CONCRETE = LOW VELOCITY SHOT PINS TO BE HILTI X-U OR X-P OR EQUAL. ICC REPORT XSR-2269 OR XSR-1752
B. TRACK TO WOOD = SELF-DRILLING METAL TO WOOD SCREWS WITH PLATE WASHERS TO BE HILTI S-MDW OR EQUAL.

6. METAL FRAMING IN ACCORDANCE TO WITH ASTM C754

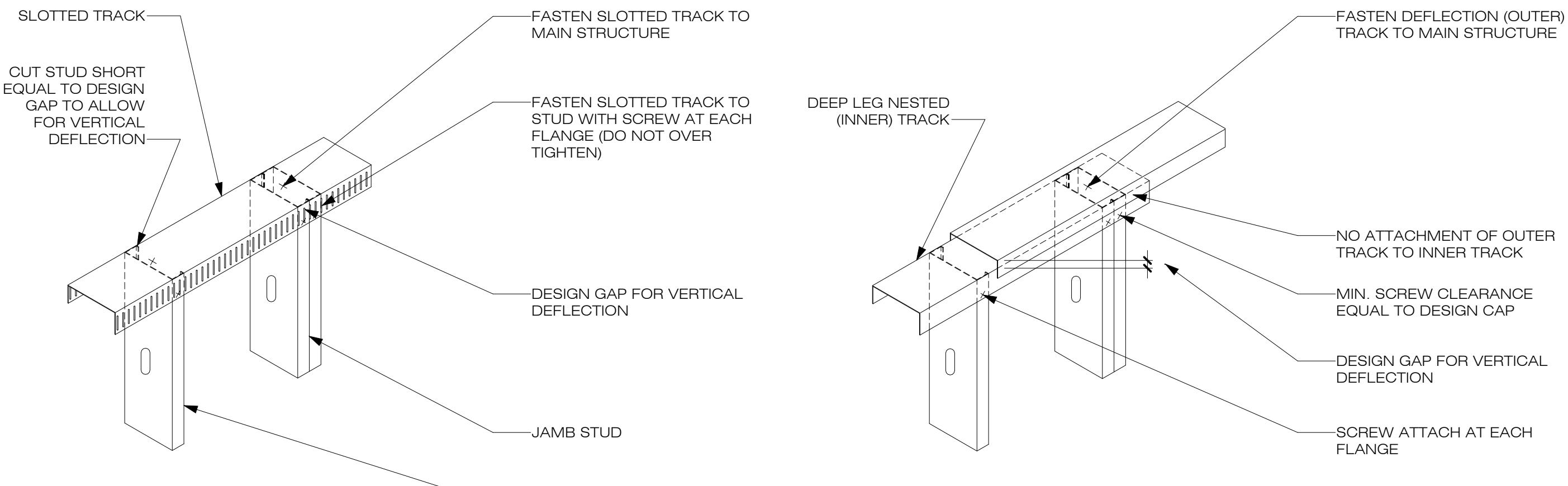
7. METAL FRAMING BOX HEADER SCHEDULE (FOR USE AT NON-BEARING INTERIOR WALLS ONLY):

SPAN	ASSEMBLY
UP TO 4'-0"	(2) 3 5/8" X 20 GA. BOXED HEADER
4'-0" TO < 5'-6"	(2) 4" X 20 GA. BOXED HEADER
5'-6" TO < 9'-0"	(2) 6" X 20 GA. BOXED HEADER
9'-0" TO < 11'-6"	(2) 8" X 20 GA. BOXED HEADER
OVER 11'-6"	(2) 10" X 20 GA. BOXED HEADER / (2) 12" X 20 GA. BOXED HEADER

ISSUE DATE: 12.15.2025

REV DATE COMMENT

LICENSED
ARCHITECT
AR-996-27
ERIC MATTHEW
ROBERTS
STATE OF IDAHO
12/23/2025



1 DEFLECTION DETAILS

1" = 1'-0"

SINGLE TRACK HEADER - SINGLE JAMB

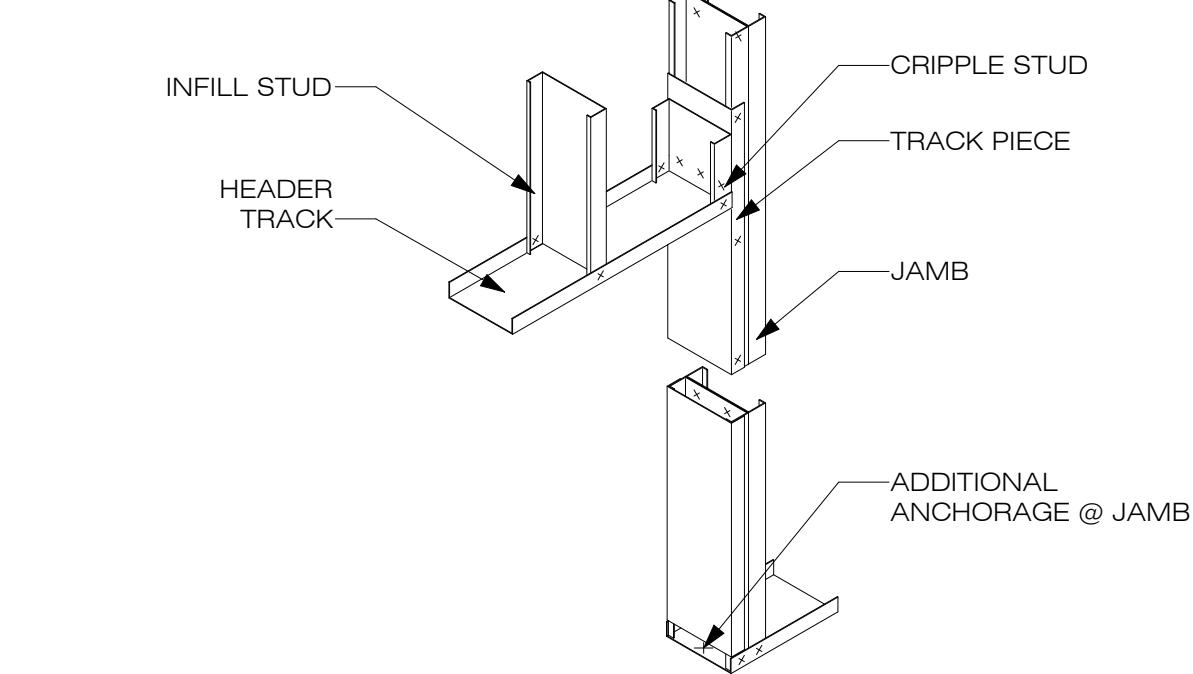
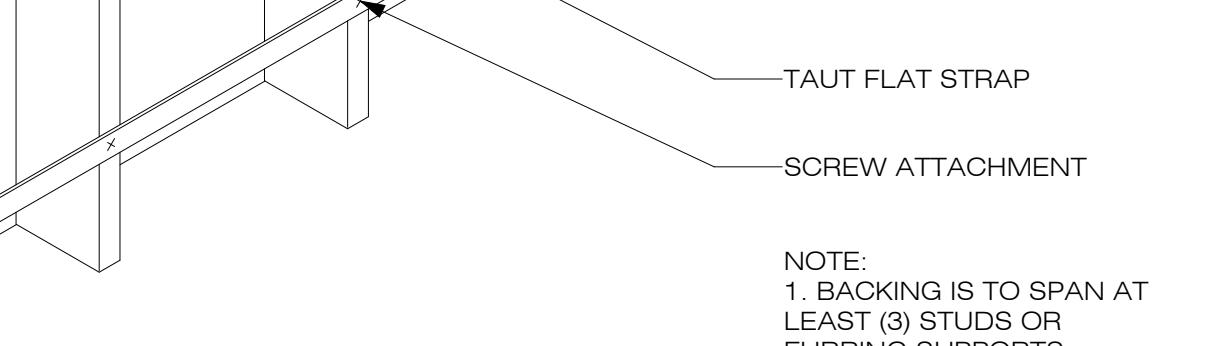
2 NON-LOAD BEARING DOOR

3/4" = 1'-0"

NOTES:
USE FOR LIGHTWEIGHT
ATTACHMENTS SUCH AS
ACCESSORIES, SMALL SHELVES,
OR TRIM.

USE 20 GAUGE STEEL STRAPS

SECURE BLOCKING TO STUDS WITH
SCREWS, PER MANUFACTURER'S
RECOMMENDATIONS.

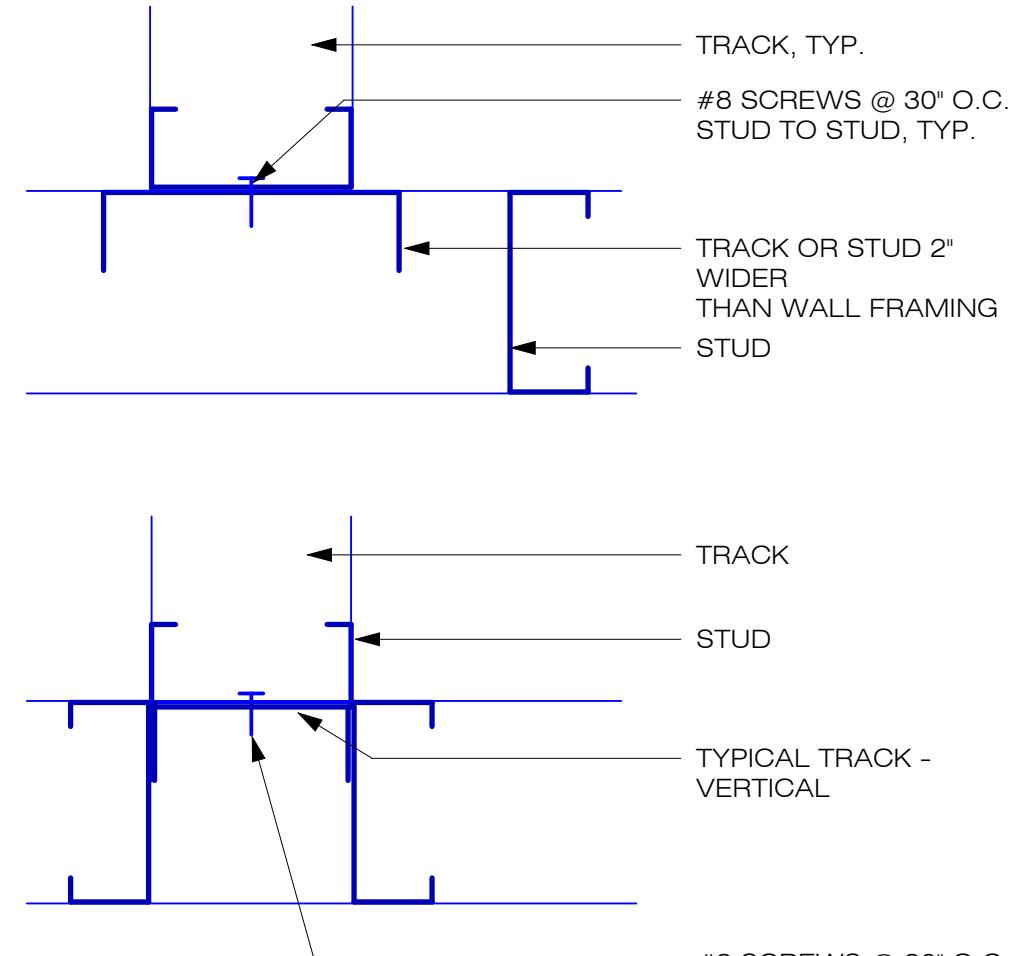
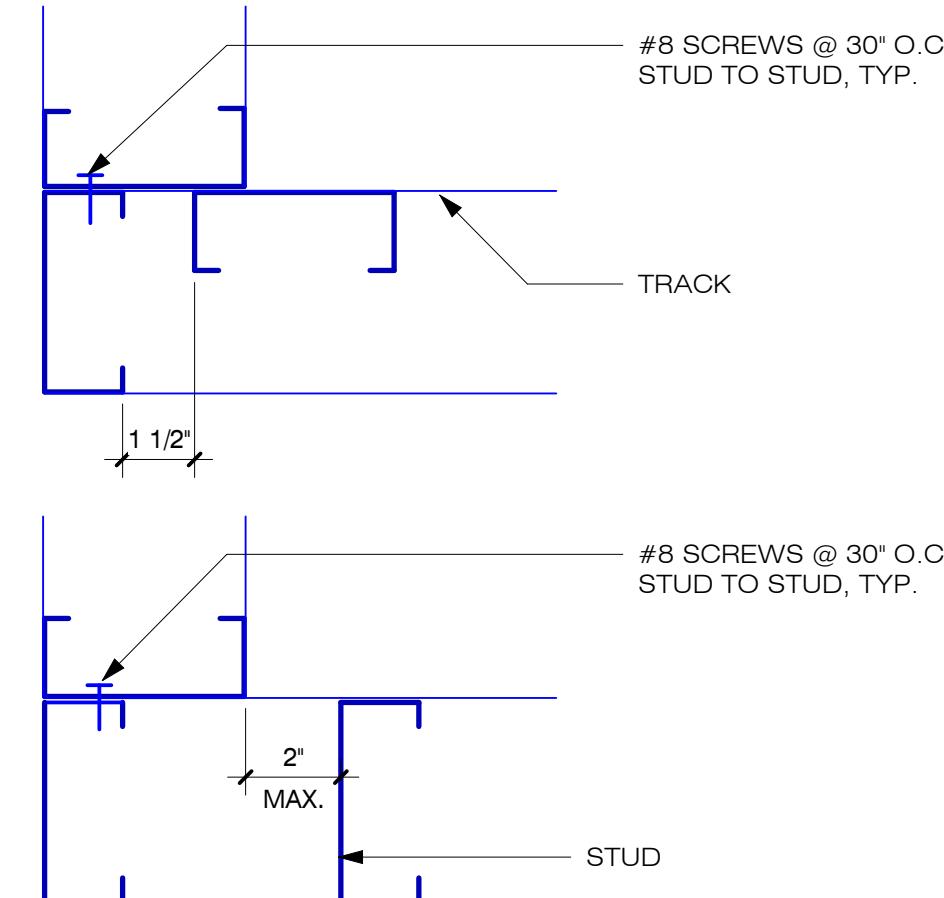


SINGLE TRACK HEADER - BACK TO BACK JAMB

USE FOR SPANS OVER 5'-6"

3 NON-LOAD BEARING WINDOW

3/4" = 1'-0"



TYPICAL CORNERS

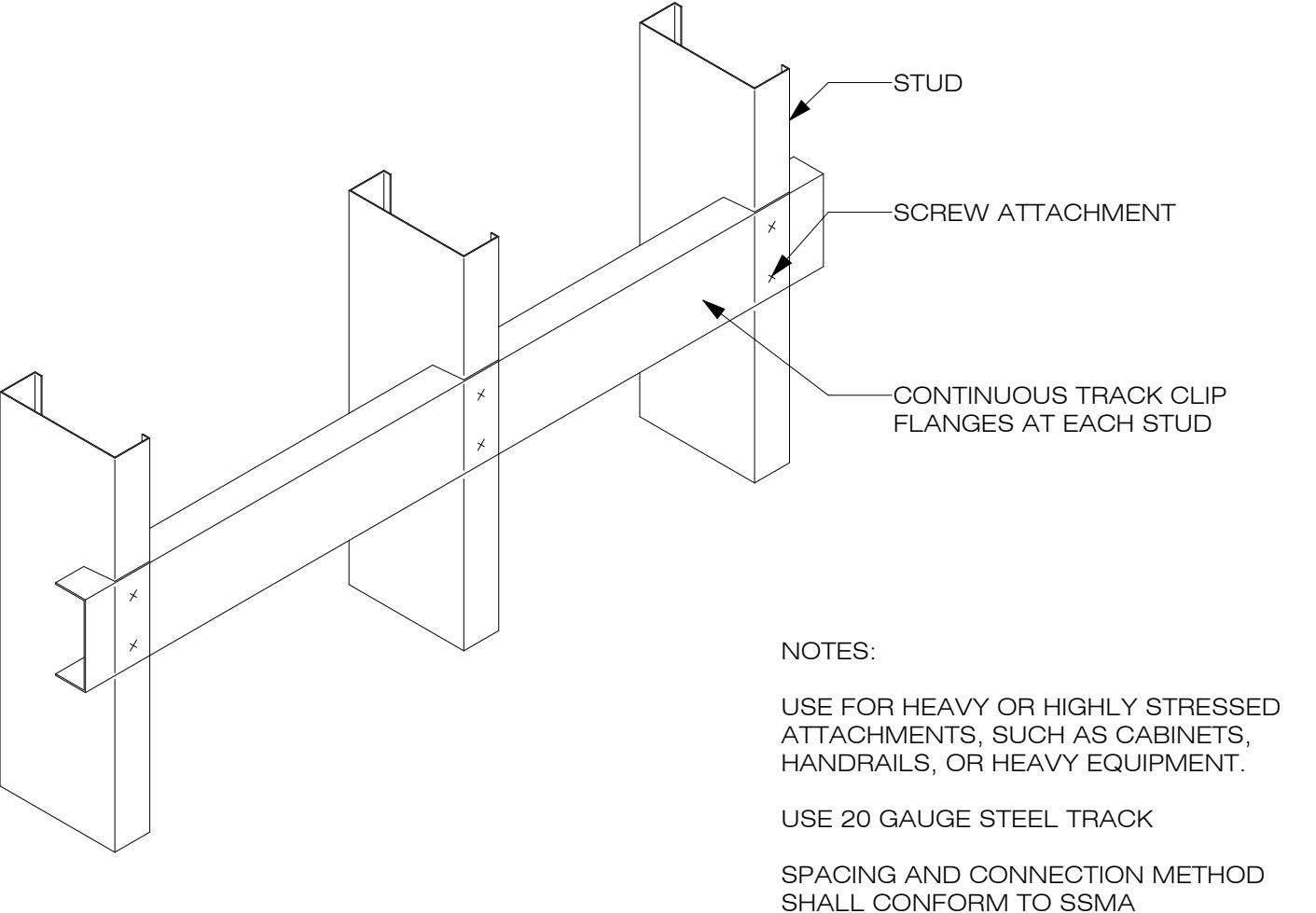
TYPICAL INTERSECTIONS

5 STUD TO STUD CONNECTION DETAILS

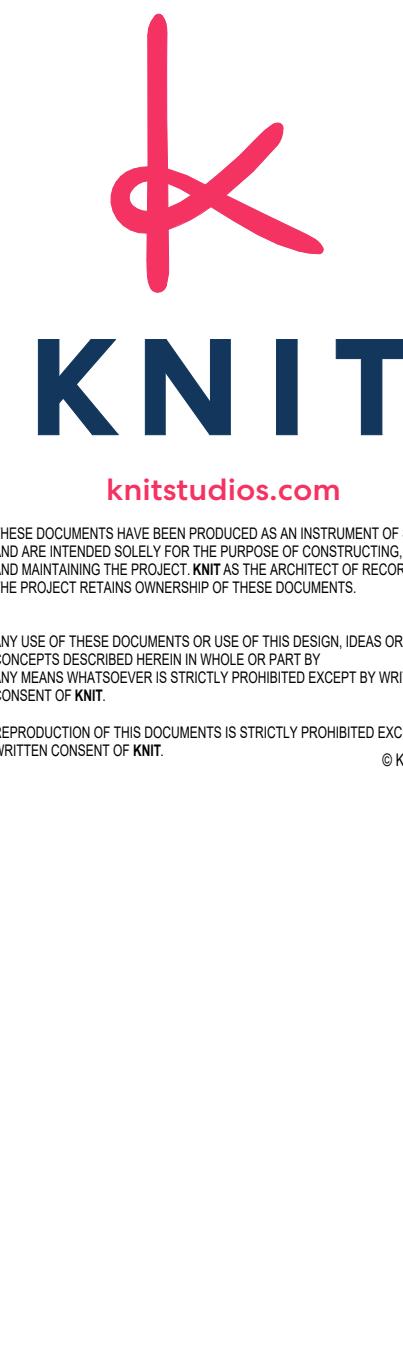
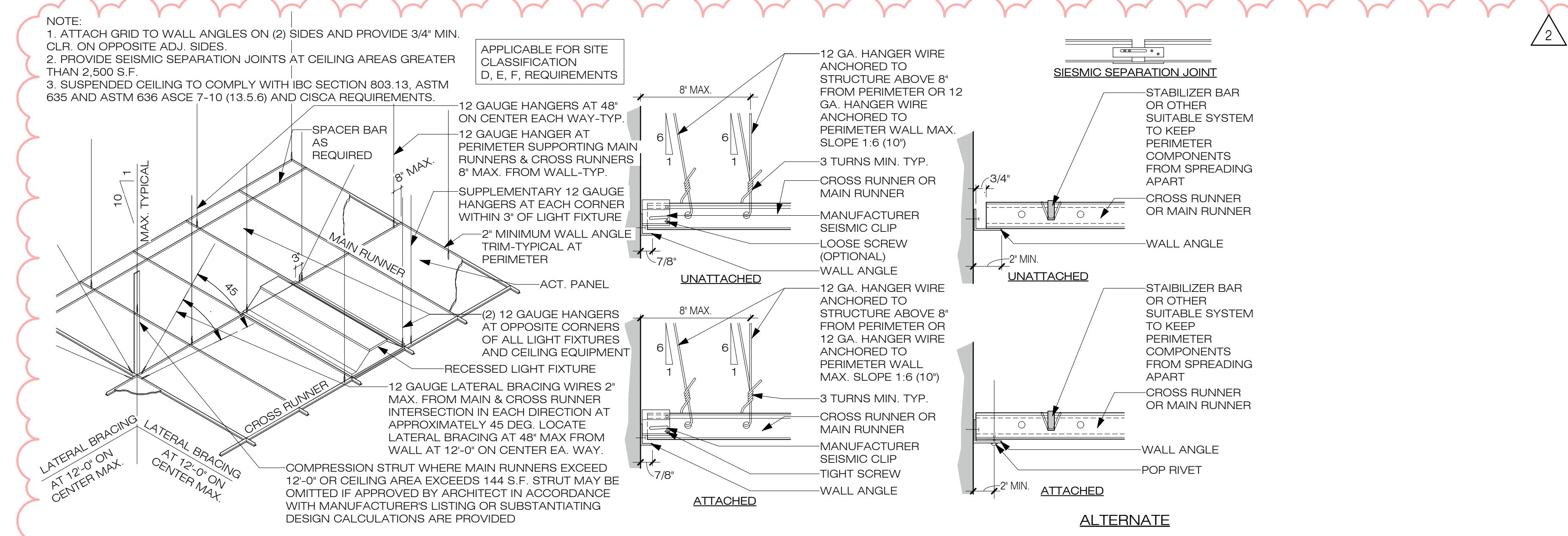
3" = 1'-0"

4 BLOCKING/ BACKING DETAILS

1" = 1'-0"



TYPICAL NON-LOAD BEARING PARTITION FRAMING	
DETAILS	LCSC MLT/PA LAB
PROJECT	San Glenn Complex 500 4th St Lewiston, ID 83501
CLIENT	Lewis Clark State College
JOB NO:	240216
Page	A2.41



ISSUE DATE: **12.15.2025**

REV DATE COMMENT
2 12.15.25 BID RFI
CLARIFICATIONS

LICENSED
ARCHITECT
AR-986427

ERIC MATTHEW
ROBERTS

STATE OF IDAHO

12/22/2005

CEILING DETAILS

CSC MLT/PA LAB

3m Glenn Complex 500 4th St Lewiston,

TITLE

PROJECT

JOB NO: **240216**

A3.31

ROOM FINISH SCHEDULE

ROOM #	NAME	BASE	FLOOR	WALLS	CEILING	REMARKS
224	PA LAB	RB-1	CPT-1	PT-1	ACT-1	
225	PA CLASSROOM	RB-1	CPT-1	PT-1	ACT-1	
226	DL BOOTH	RB-1	CPT-1	PT-1	ACT-1	
227	Room					

FINISH LEGEND

MANUFACTURER: STYLE/MODEL - COLOR

PAINT PT-1 SHERWIN WILLIAMS PROMAR 200, SHEEN: SEMI-GLOSS, COLOR: RAINIER WHITE OR APPROVED EQUAL

CARPET CPT-1 NEXT FLOOR BANDWIDTH 883 - TILE SIZE: 19.7" X 19.7", COLOR: COMMODORE BLUE OR APPROVED EQUAL

WALL BASE RB-1 EXCO RUBBER BASE, 4", COLOR TO BE SELECTED BY OWNER OR APPROVED EQUAL

PLASTIC LAMINATE PLAM-1 WILSONART LAMINATES, COLOR TO BE SELECTED BY OWNER OR APPROVED EQUAL

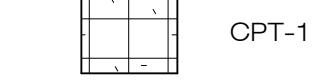
CEILING ACT-1 ARMSTRONG FINE FISSURE DROP-IN TILE, 2X4 ACT CEILING TILES, EDGE SQUARE, 15/16" GRID (WHITE) OR APPROVED EQUAL

KNIT
knitstudios.com

THESE DOCUMENTS HAVE BEEN PRODUCED AS AN INSTRUMENT OF SERVICE AND ARE INTENDED SOLELY FOR THE PURPOSE OF CONSTRUCTING, SELLING AND MAINTAINING THE PROJECT DESCRIBED IN THESE DOCUMENTS. THESE DOCUMENTS ARE THE PROPERTY OF THE PROJECT OWNER AND ARE NOT TO BE COPIED OR USED FOR ANY OTHER PURPOSE. ANY USE OF THESE DOCUMENTS OR USE OF THIS DESIGN IDEA OR MEANS WHATSOEVER IN WHOLE OR IN PART, IS PROHIBITED EXCEPT BY WRITTEN CONSENT OF THE PROJECT OWNER. REPRODUCTION OF THESE DOCUMENTS IS STRICTLY PROHIBITED EXCEPT BY WRITTEN CONSENT OF KNIT.

© KNIT 2025

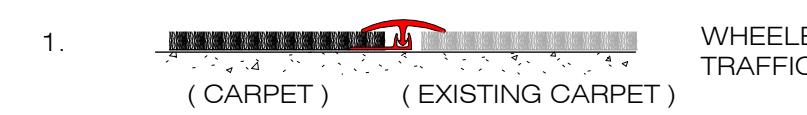
FINISH PLAN LEGEND



NOTE: PROVIDE 1/4" PLYWOOD UNDERLayment SCREW (OR EQUAL) TO EXISTING SUB FLOOR, WHERE CPT-1 IS CALLED OUT ON DRAWINGS

TRANSITIONS / EDGES

RESILIENT ACCESSORIES



NOTES:

A. PROVIDE RESILIENT FLOORING ACCESSORIES AT FLOORING MATERIAL TRANSITIONS AND OPEN EDGES, COLOR TO MATCH RESILIENT FLOORING.

ISSUE DATE: 12.15.2025

REV DATE COMMENT
2 12.15.25 BID RFI
CLARIFICATIONS

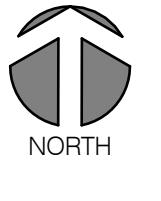
LICENSED
ARCHITECT
AR-986427
ERIC MATTHEW
ROBERTS
STATE OF IDAHO
12/23/2025

FINISH PLAN
LCSC PA LAB
San Glenn Complex 500 4th St Lewiston, ID 83501
Lewis Clark State College

TITLE
PROJECT
CLIENT

JOB NO: 240216

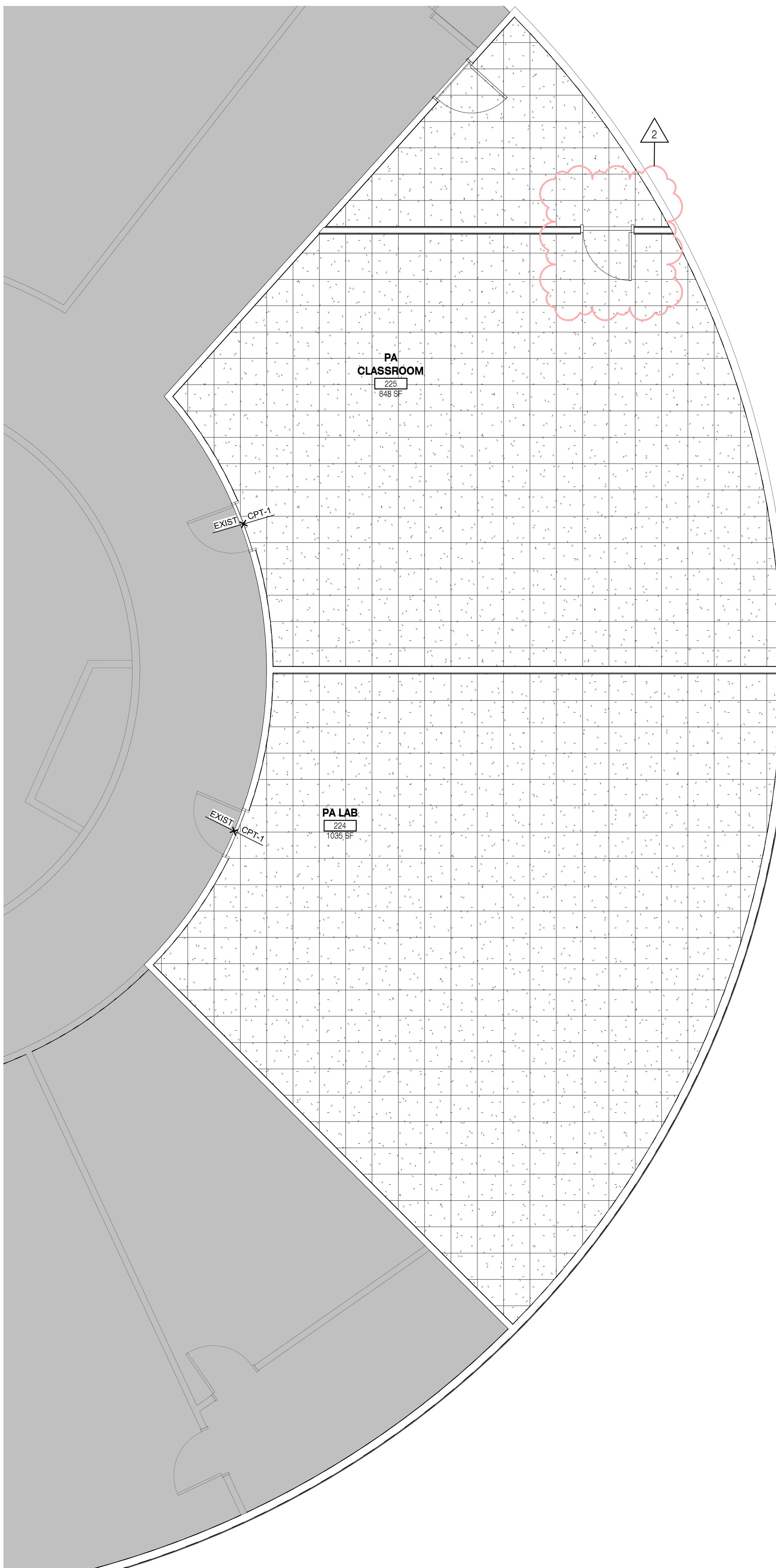
A10.20

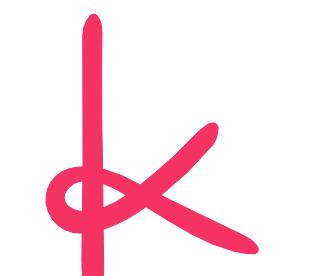


FLOOR PLAN - LEVEL 2

1/4" = 1'-0"
GRAPHIC SCALE: 1/4" = 1'-0"

0 1 2 3 6 9 12



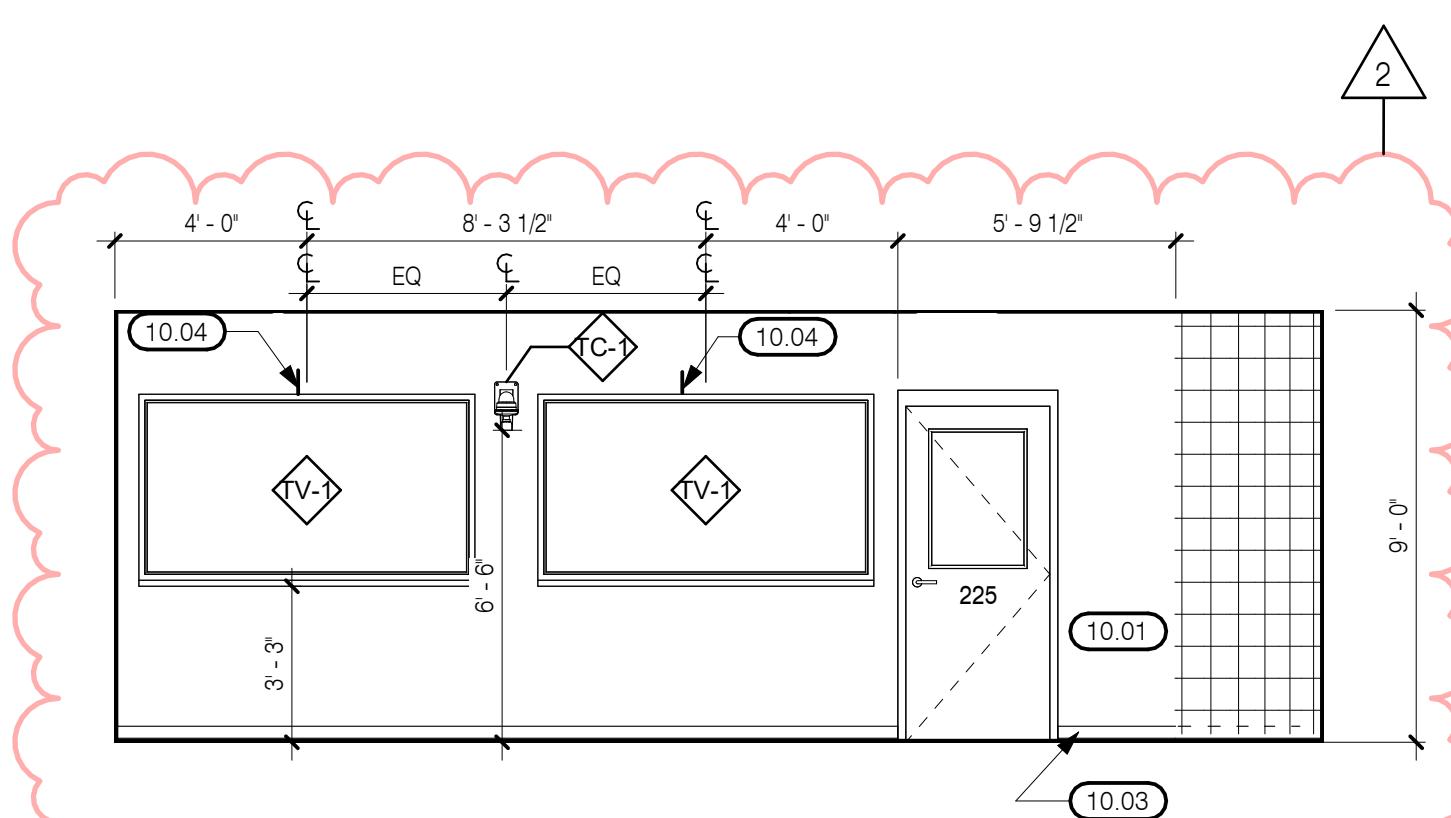
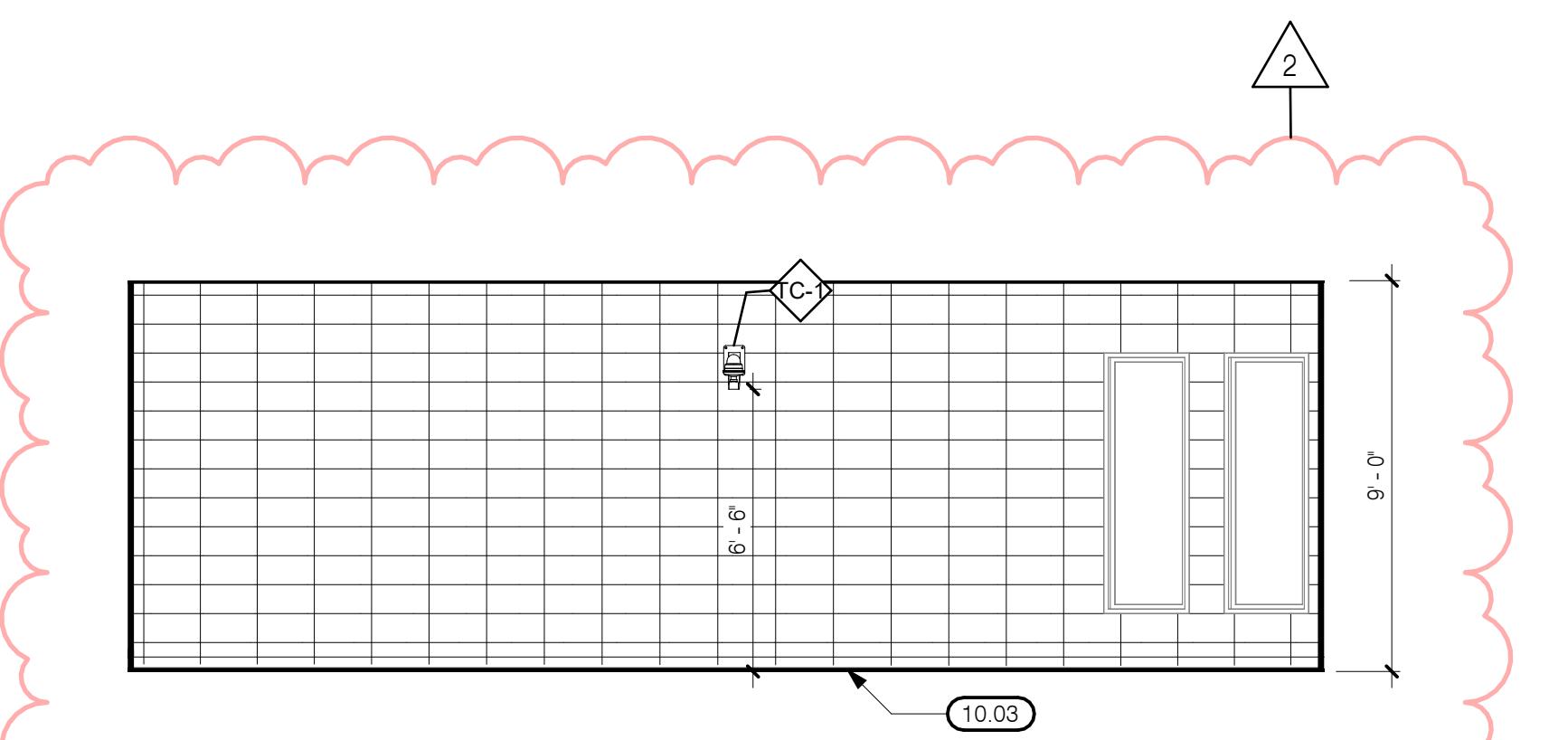
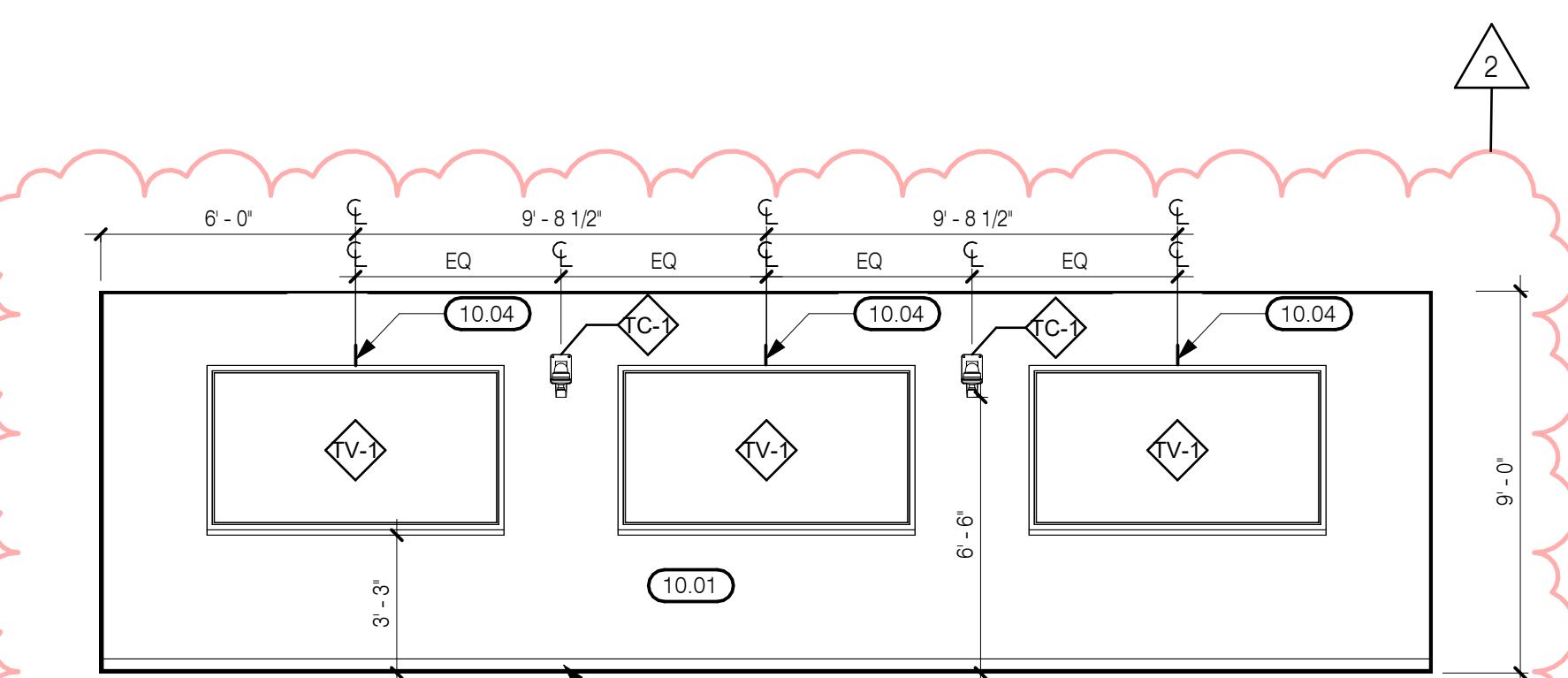
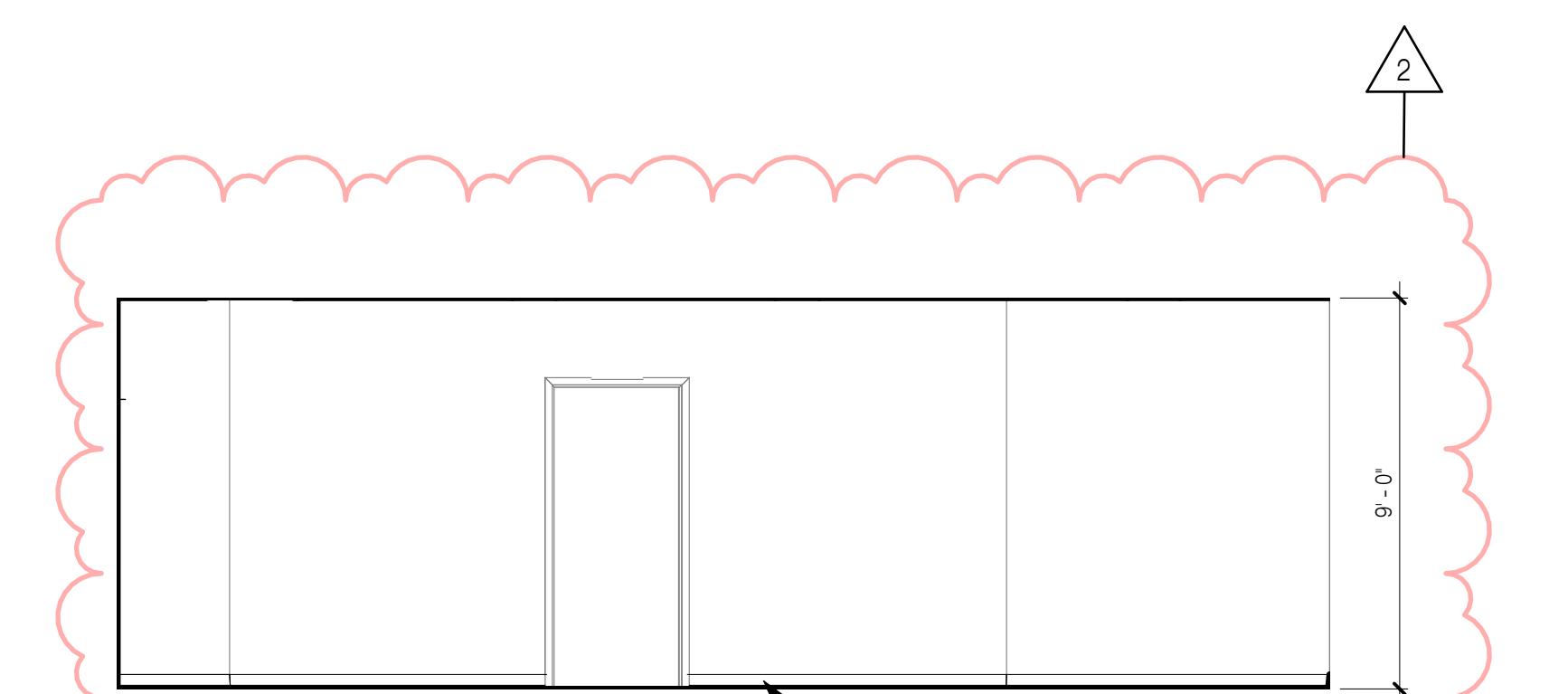
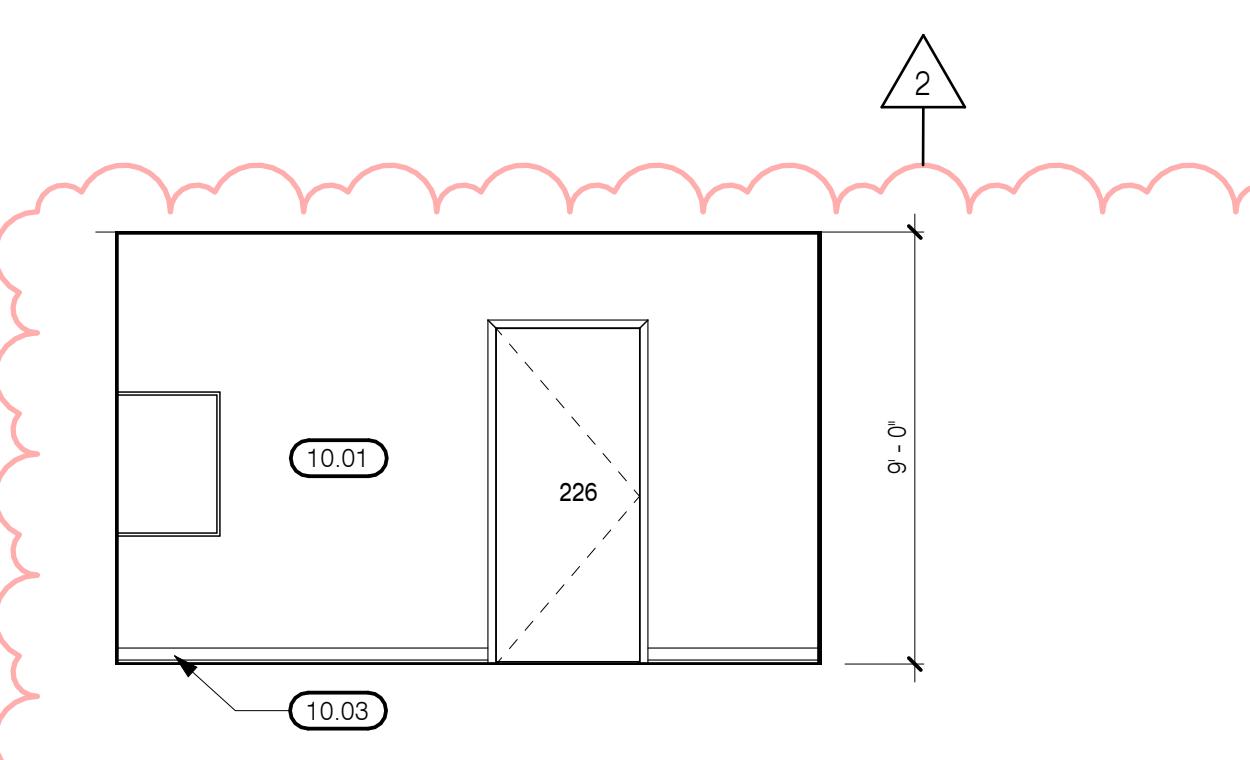
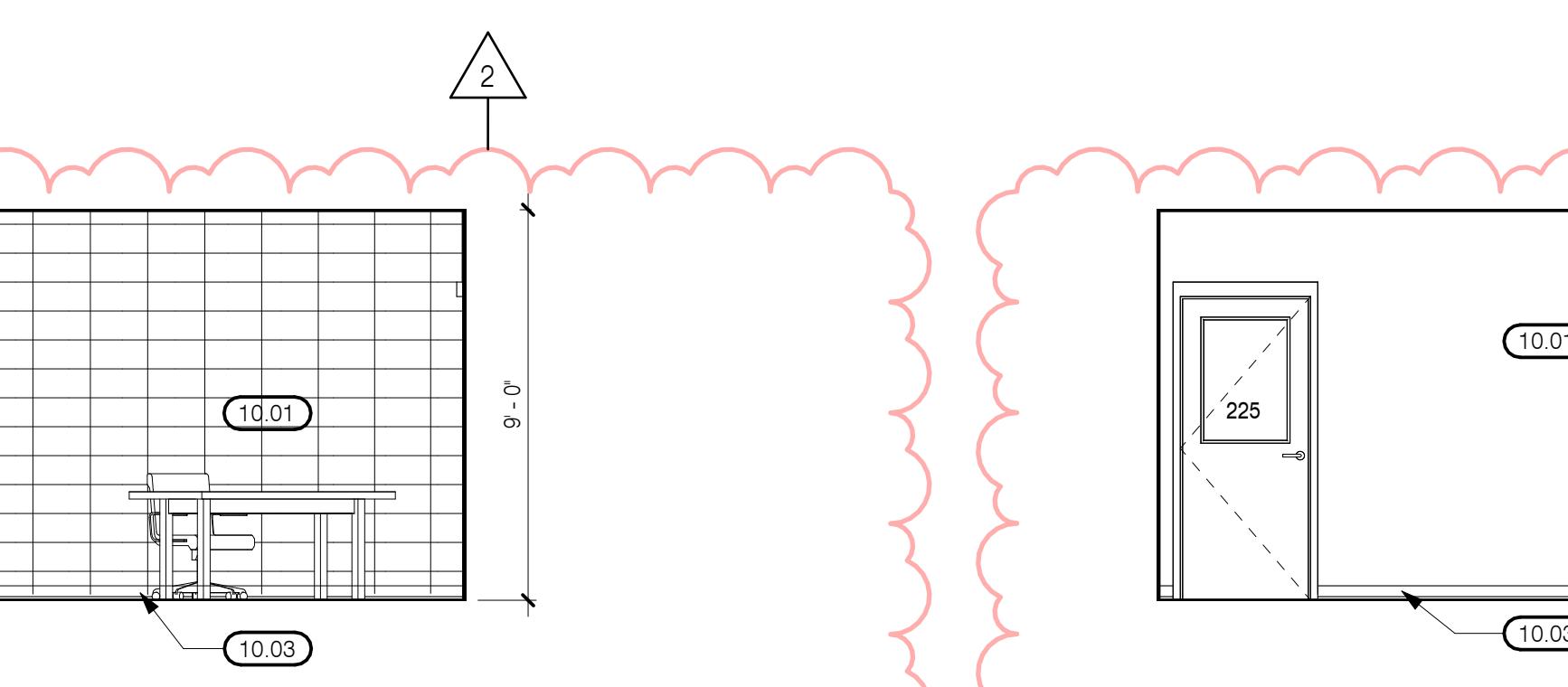
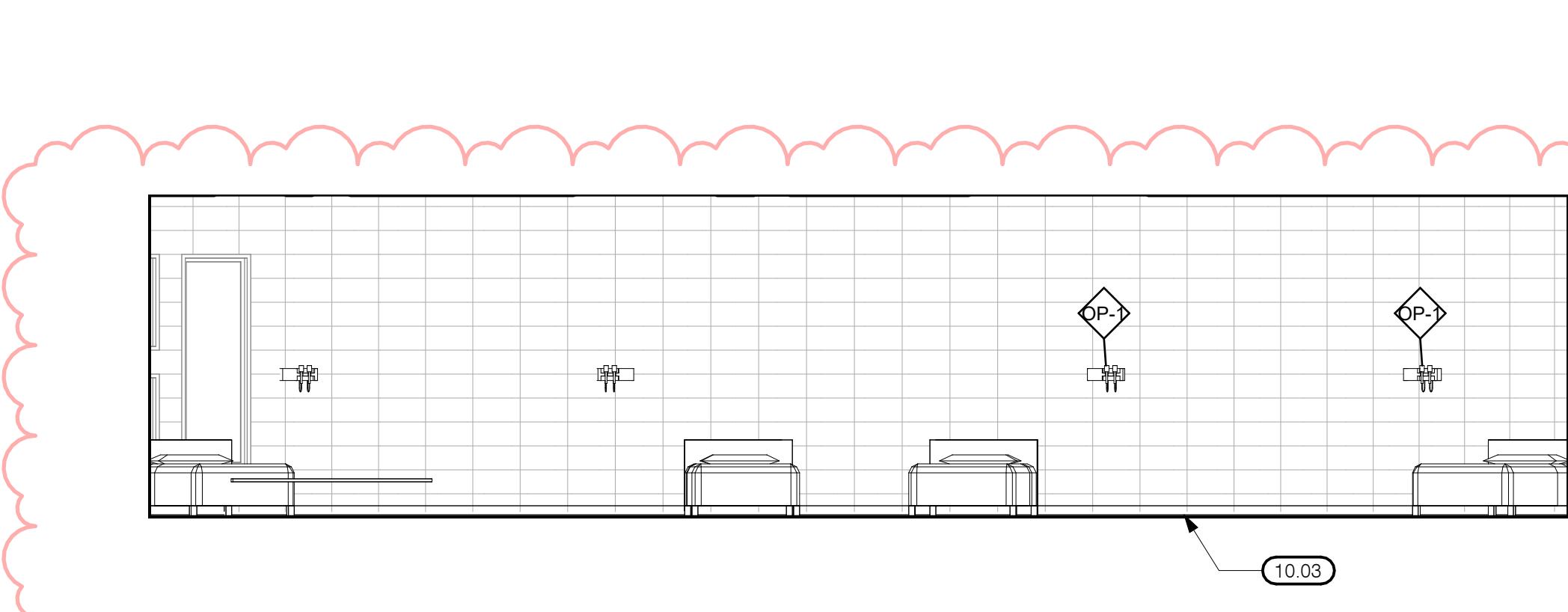
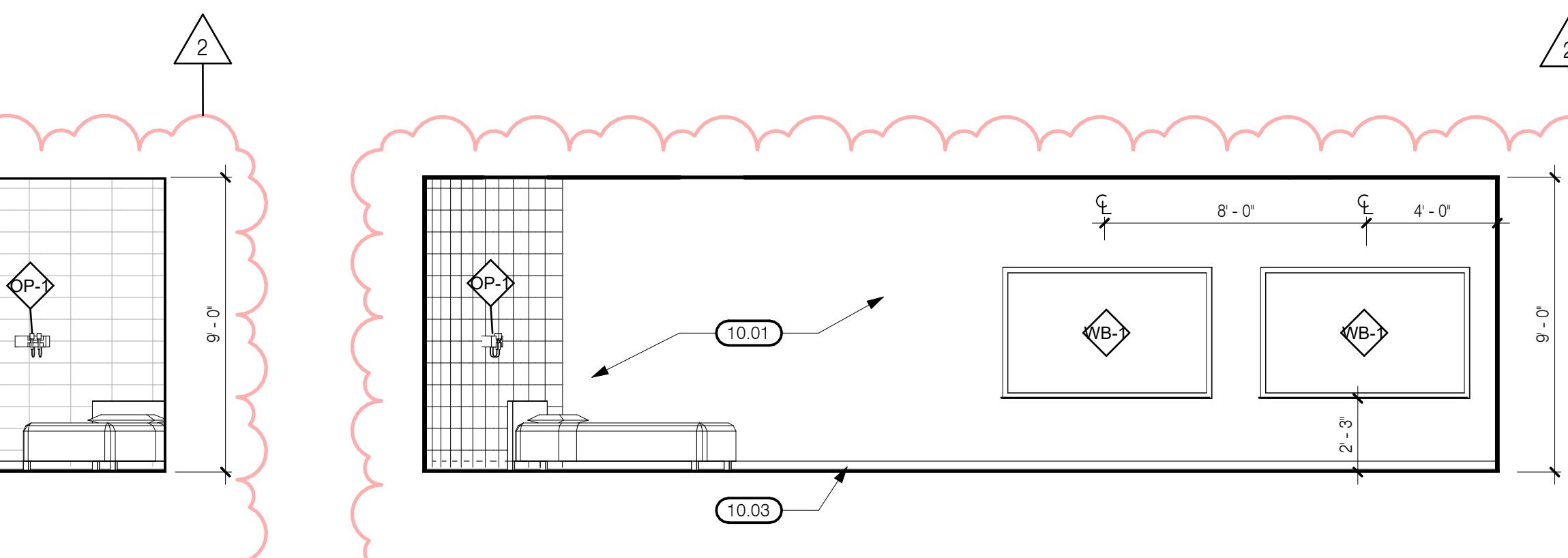


KNIT

knitstudios.com

THESE DOCUMENTS HAVE BEEN PRODUCED AS AN INSTRUMENT OF SERVICE AND ARE INTENDED SOLELY FOR THE PURPOSE OF CONSTRUCTING, SELLING AND MAINTAINING THE PROJECT DESCRIBED HEREIN. THESE DOCUMENTS ARE THE PROPERTY OF THE PROJECT OWNER AND OWNERSHIP OF THESE DOCUMENTS IS NOT TRANSFERRED UNLESS AND UNTIL THE PROJECT OWNER HAS RECEIVED A WRITTEN CONSENT FROM THE PROJECT OWNER.

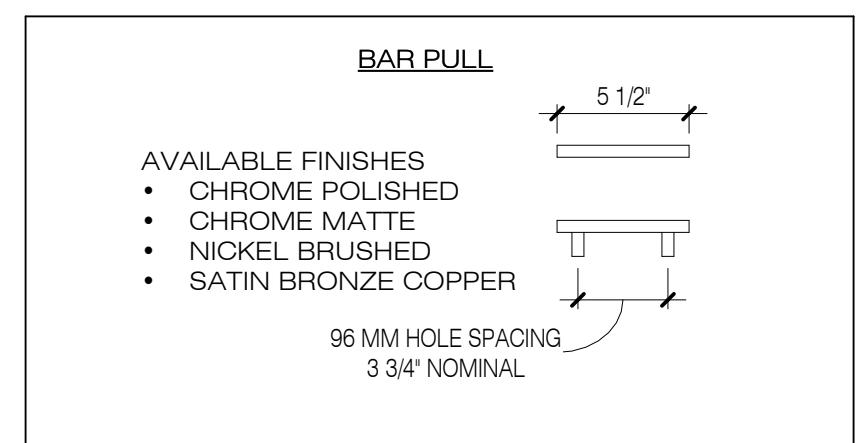
© KNIT 2025

1 225 PA CLASSROOM NORTH
1/4" = 1'-0"2 225 PA CLASSROOM EAST
1/4" = 1'-0"3 225 PA CLASSROOM SOUTH
1/4" = 1'-0"4 225 PA CLASSROOM WEST
1/4" = 1'-0"5 226 DL BOOTH NORTH
1/4" = 1'-0"6 226 DL BOOTH EAST
1/4" = 1'-0"9 224 PA LAB EAST
1/4" = 1'-0"10 224 PA LAB SOUTH
1/4" = 1'-0"

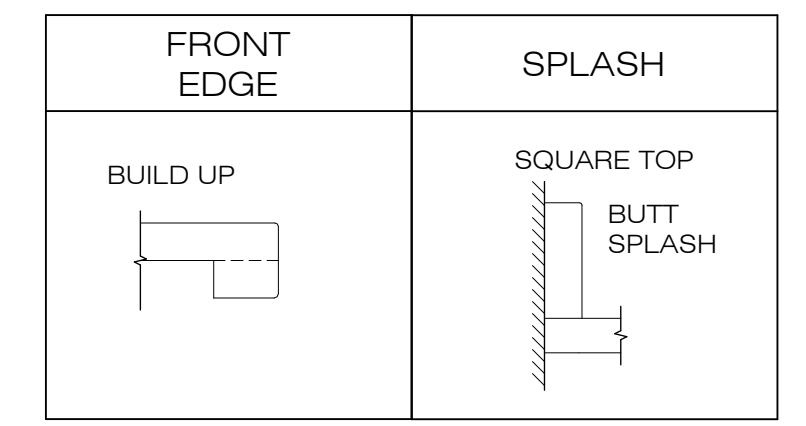
CASEWORK CONFIGURATIONS

CONSTRUCTION TYPE	DOOR INTERFACE STYLES	DRAWER & DOOR STYLES	EDGE BANDING
FACE FRAME	FLUSH OVERLAY	FLUSH	SQUARE W/ THK. APPLIED

CABINET HARDWARE



COUNTERTOPS



KEYNOTES

2.10	MESH METAL PANEL ON ONE SIDE OF NEW CABINET
2.16	NEW BUILT IN COUNTER WITH CABINET BELOW, PLAM-1
10.01	PAINT PT-1
10.03	WALL BASE, RB-1
10.04	CONDUIT LINE TO MONITORS, SEE ELECTRICAL

EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	MODEL	COMMENTS
DC-1	DRESSING ROOM CURTAIN AND TRACK	-	-	C.F.C.I
OP-1	WALL MOUNTED OPHTHALMOSCOPE AND OTOSCOPE	-	-	O.F.O.I
SS-1	STAINLESS WALL HUNG DOUBLE STATION SURGEON SCRUB SINK KIT	Ekey Manufacturer Company	EWSF260262	C.F.C.I
TC-1	TEACHING CAMERA	-	-	O.F.O.I
TV-1	DISPLAY MONITORS WITH MONITOR MOUNT	CHIEF	LTM1U	O.F.O.I (MONITOR) C.F.C.I (MOUNTS)
WB-1	WHITEBOARD	EXISTING	EXISTING	RESCUED WHITEBOARDS TO BE RELOCATED

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

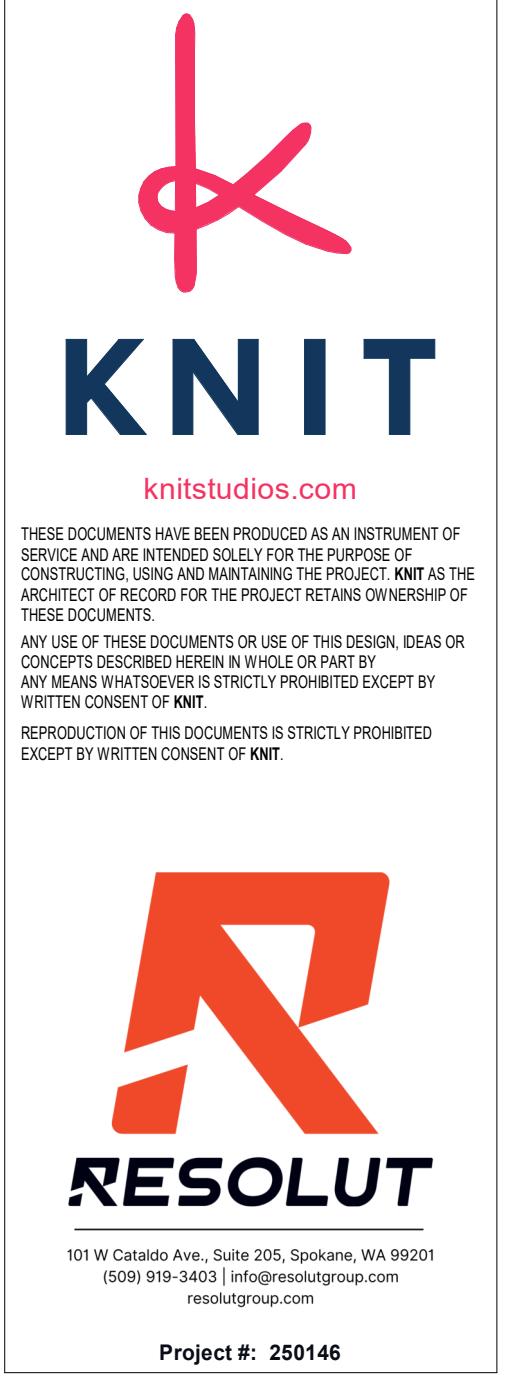
A - WATER HEATER BOX CABINET

TYPICAL CABINET SECTIONS

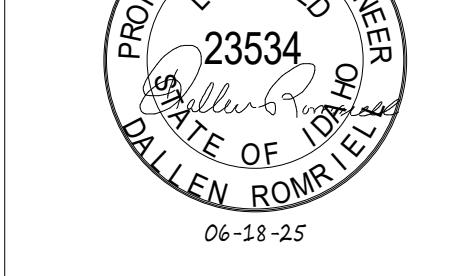
A - WATER HE

FIRE PROTECTION GENERAL NOTES	PLUMBING GENERAL NOTES	MECHANICAL GENERAL NOTES	PROJECT GENERAL NOTES
<p>1. NO FIRE PROTECTION LINE SHALL BE DESIGNED OR INSTALLED PRIOR TO CLOSE COORDINATION WITH ALL OTHER DISCIPLINES. DUCTWORK, MECHANICAL, PIPING AND PLUMBING TAKE SPACE PRECEDENCE OVER FIRE PROTECTION REMOVAL AND REINSTALLATION AT THE FIRE PROTECTION CONTRACTORS EXPENSE.</p> <p>2. ALL WORK DONE SHALL BE PERFORMED WITH WATER CONTROL IN MIND. CONTAINMENT OF WATER IS NECESSARY TO PREVENT WATER FROM DAMAGING SURROUNDING AREA.</p> <p>3. COORDINATE EXACT LOCATION OF PIPING WITH STRUCTURAL MEMBERS, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUITS, DUCTWORK, MECHANICAL AND PLUMBING PIPING, AND ALL OTHER TRADES AND ALL EXISTING CONDITIONS.</p> <p>4. FIRE SUPPRESSION CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE AND/OR REROUTE ANY AND ALL FIRE PROTECTION PIPING, VALVING, SUPPORTS OR SYSTEMS, OTHERWISE WITHIN THE FIRE SUPPRESSION DISCIPLINE REGARDLESS OF WHO INSTALLED THEM OR WHEN THEY WERE INSTALLED, IN ORDER TO ACCOMMODATE MECHANICAL, PLUMBING, ELECTRICAL OR OTHER SYSTEMS. COORDINATE WORK WITH MECHANICAL, ELECTRICAL, PLUMBING OR OTHER CONTRACTORS UNTIL SUBSTANTIAL COMPLETION OF PROJECT.</p> <p>5. PROVIDE ALTERATIONS TO THE EXISTING FIRE PROTECTION SYSTEM AS REQUIRED TO ACCOMMODATE NEW MECHANICAL, PLUMBING, ELECTRICAL, AND DUCTWORK. PROVIDE A COMPLETE WET TYPE SYSTEM INCLUDING NEW MAINS, BRANCHES, HEADS, VALVES, AND ACCESSORIES AS REQUIRED. REUSE EXISTING SYSTEM EQUIPMENT WHERE APPLICABLE. THE SYSTEM SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS AND AS PER REQUIREMENTS OF THE STATE BUILDING CODE, LOCAL FIRE DEPARTMENT, AND ALL FEDERAL, STATE, AND LOCAL AUTHORITIES, NFPA, AND FACTORY MUTUAL.</p> <p>6. THE BUILDINGS COMPLETE OPERATIONAL FIRE PROTECTION SYSTEMS SHALL REMAIN IN PLACE. THIS CONTRACTOR SHALL REPAIR ANY DAMAGE TO THIS SYSTEM CREATED BY THE REMOVAL OF ANY OTHER MECHANICAL SYSTEMS OR COMPONENTS.</p> <p>7. THIS CONTRACTOR SHALL COORDINATE PHASING OF SPRINKLER WORK WITH THE GENERAL CONTRACTOR PRIOR TO STARTING WORK.</p> <p>8. THE SPRINKLER SYSTEM SHALL BE DESIGNED BASED UPON ACTUAL WATER FLOW TEST DATA OBTAINED AT OR NEAR THE JOB SITE.</p> <p>9. REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION REGARDING SPRINKLER HEAD LOCATION AND PIPE, UNLESS NOTED OTHERWISE.</p> <p>10. DIVISION 21 CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR PROPER INSTALLATION OF THE FIRE PROTECTION SYSTEMS ALARM DEVICES INVOLVED WITH FIRE SPRINKLER SYSTEM.</p> <p>11. ALL SPRINKLER SYSTEM PIPING SHALL BE CONCEALED ABOVE THE SUSPENDED CEILING SYSTEM, UNLESS NOTED OTHERWISE. WRITTEN AUTHORIZATION SHALL BE OBTAINED FROM THE ARCHITECT PRIOR TO EXPOSING ANY PIPING IN ANY ROOM WHICH HAS A SUSPENDED CEILING.</p> <p>12. THIS CONTRACTOR SHALL PROVIDE ALL ADDITIONAL SPRINKLER HEADS AS REQUIRED TO ENSURE AN APPROVED FIRE PROTECTION SYSTEM AT NO ADDITIONAL COST TO THE OWNER.</p> <p>13. AUXILIARY DRAINS SHALL BE EXPOSED WITH 1" DRAIN VALVES. WHEN 5 OR MORE GALLONS ARE TRAPPED, THIS CONTRACTOR SHALL PROVIDE FIXED PIPING TO AN ADEQUATELY SIZED RECEPTOR WHICH IS CAPABLE OF ACCEPTING THE FULL FLOW OF THE DRAIN. WHEN LESS THAN 5 GALLONS ARE TRAPPED, A HOSE BIB SHALL BE PROVIDED AT THE DRAIN VALVE.</p> <p>14. AUXILIARY DRAINS SHALL NOT BE LOCATED ABOVE PLASTER OR GYPSUM BOARD CEILING SYSTEMS, ONLY BY A SPECIFIC WRITTEN INSTRUCTION FROM THE ENGINEER WILL A VARIANCE BE PROVIDED.</p> <p>15. SHOW ALL ROOM NUMBERS ON SHOP DRAWING PLANS.</p> <p>16. ROUTE SPRINKLER PIPING SUCH THAT IT DOES NOT RUN ABOVE ELECTRICAL PANELS, SWITCHGEAR, OR SIMILAR EQUIPMENT. SPRINKLER MAINS SHALL NOT RUN THROUGH ELECTRICAL OR COMMUNICATION ROOMS. SPRINKLER HEADS IN THESE ROOMS SHALL BE SERVED BY A DEDICATED BRANCH LINE FOR EACH ROOM. BRANCH LINE TO ENTER ROOM ABOVE DOOR.</p> <p>17. THIS CONTRACTOR SHALL PREPARE HYDRAULIC CALCULATIONS BASED UPON THE CONFIGURATION OF THE ACTUAL SYSTEM DESIGN AS SHOWN ON THIS CONTRACTOR'S SHOP DRAWINGS.</p>	<p>1. UNLESS OTHERWISE NOTED, SLOPE PIPE AS FOLLOWS: WASTE BRANCHES: 1/4" PER FOOT; WASTE MAINS: 1/4" PER FOOT; ROOF DRAIN/ROOF DRAIN OVERFLOW: 1/8" PER FOOT. VERIFY ALL SLOPING WITH LOCAL CODES.</p> <p>2. ALL WORK DONE SHALL BE PERFORMED WITH WATER CONTROL IN MIND. CONTAINMENT OF WATER IS NECESSARY TO PREVENT WATER FROM DAMAGING AREAS ON FLOORS BELOW.</p> <p>3. PLUMBING DRAWINGS ARE SCHEMATIC IN NATURE. FIELD VERIFY EXACT PIPE ROUTING AND COORDINATE WITH ALL OTHER TRADES.</p> <p>4. NO PIPING TO RUN OVER ELECTRICAL PANELS, VFD'S OR MCC'S. PROTECT EQUIPMENT WITH A 42" DEEP ZONE IN FRONT OF PANELS, VFD'S, AND MCC'S.</p> <p>5. CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.</p> <p>6. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHTS, DIMENSIONS AND OTHER REQUIREMENTS.</p> <p>7. SEE PLUMBING FIXTURE SCHEDULE FOR PIPE SIZES OF WASTE, VENT AND DOMESTIC WATER TO/FROM SINGLE FIXTURE.</p> <p>8. FIELD VERIFY LOCATION AND INVERTS OF SITE UTILITIES PRIOR TO INSTALLATION.</p> <p>9. FIELD VERIFY ALL NEW WATER, WASTE AND VENT PIPING CONNECTIONS AND PROVIDE NEW CONNECTIONS AS REQUIRED FOR PROPERLY OPERATING SYSTEMS.</p> <p>10. WASTE AND VENT PIPING BELOW FLOOR AND THROUGH FLOOR TO BE 2" MINIMUM.</p> <p>11. INSTALL CLEANOUTS IN DRAIN PIPING AS INDICATED, AND WHERE NOT INDICATED, ACCORDING TO THE FOLLOWING.</p> <ul style="list-style-type: none"> A. SIZE SAME AS DRAINAGE PIPING UP TO 4" NPS. USE 4" NPS FOR LARGER DRAINAGE PIPING UNLESS LARGER CLEANOUT IS INDICATED. B. LOCATE AT MINIMUM INTERVALS OF 50 FT FOR PIPING 4" NPS AND SMALLER AND 100 FT FOR LARGER PIPING. C. LOCATE AT THE BASE OF EACH VERTICAL STACK. 	<p>1. COORDINATE EXACT PLACEMENT OF DIFFUSERS, GRILLES AND REGISTERS WITH ARCHITECTURAL REFLECTED CEILING PLAN, TYPICAL.</p> <p>2. SEE DETAIL FOR DIFFUSER CONNECTIONS TO DUCTWORK, TYPICAL.</p> <p>3. BRANCH DUCTWORK SHALL BE SIZED TO MATCH THE NECK INLET SIZE OF THE DIFFUSERS, REGISTER OR GRILLE IT SERVES UNLESS NOTED OTHERWISE, TYPICAL.</p> <p>4. COORDINATE EXACT MOUNTING LOCATION OF ALL THERMOSTATS WITH LATEST REVISION OF ARCHITECTURAL ELEVATION AND FURNISHINGS PLANS, TYPICAL.</p> <p>5. DUCTWORK SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. REFER TO MECHANICAL SPECIFICATIONS FOR EXTENT OF DUCT INSULATION AND LINER AND ADJUST SHEET METAL DIMENSION.</p> <p>6. PROVIDE AND INSTALL REMOTE DAMPER OPERATORS FOR ALL DAMPERS INSTALLED ABOVE INACCESSIBLE CEILING, SEE MECHANICAL SPECIFICATIONS FOR EQUIPMENT REQUIREMENTS, TYPICAL.</p> <p>7. THE CONTRACTOR SHALL INFORM THE DESIGNER OF ANY PROPOSED DEVIATIONS FROM THE CONTRACT DOCUMENTS.</p> <p>8. WHERE FLOOR DRAINS OCCUR WITHIN THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BODY BY SEALING DRAIN OPENING PRIOR TO START OF WORK. UNSEAL DRAINS AT COMPLETION OF CONSTRUCTION.</p> <p>9. COORDINATE INSTALLATION OF PIPING, DUCTWORK, CONDUIT, LIGHTS, CABLE TRAY, STRUCTURE, EQUIPMENT, CEILINGS, ARCHITECTURAL COMPONENTS, AND ANYTHING ELSE PERTAINING TO THE PROJECT TO PREVENT CONFLICTS.</p> <p>10. THE CONTRACTOR SHALL BE FAMILIAR WITH ALL THE CONDITIONS BOTH EXISTING AND THOSE RELATED TO THIS DOCUMENT AND THOSE OF OTHER DISCIPLINES, INCLUDING, BUT NOT LIMITED TO ARCHITECTURAL, CIVIL, ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT.</p> <p>11. FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE, INTERNATIONAL MECHANICAL CODE, AND INTERNATIONAL PLUMBING CODE.</p> <p>12. ALL PIPE AND DUCT SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN.</p> <p>13. FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE SEGMENTS, REFER TO DETAILS, SCHEDULES, AND SPECIFICATIONS.</p> <p>14. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.</p> <p>15. IF CONTRACTOR ENCOUNTERS MATERIAL WHICH MAY CONTAIN ASBESTOS, IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE OWNER.</p> <p>16. DETAILS REFERENCE ALL SHEETS.</p> <p>17. INSTALL ALL PIPING AND DUCTWORK WITHOUT FORCING OR SPRINGING.</p>	<p>1. THE PROJECT GENERAL NOTES APPLY TO ALL DISCIPLINES.</p> <p>2. REMOVE ALL UNUSED PIPING, DUCTWORK, EQUIPMENT, AND ACCESSORIES.</p> <p>3. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS FOR PLUMBING AND MECHANICAL SYSTEMS WITHIN THE TENANT SPACE AND WITHIN CLOSE PROXIMITY TO THE TENANT SPACE. THE CONTRACTOR WILL FIELD VERIFY AS MUCH AS IS POSSIBLE, AND NOTIFY THE OWNER, ARCHITECT, AND MECHANICAL DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF EXISTING CONDITIONS THAT MAY AFFECT THE DESIGN.</p> <p>4. WHERE FLOOR DRAINS OCCUR WITHIN THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BODY BY SEALING DRAIN OPENING PRIOR TO START OF WORK. UNSEAL DRAINS AT COMPLETION OF CONSTRUCTION.</p> <p>5. COORDINATE INSTALLATION OF PIPING, DUCTWORK, CONDUIT, LIGHTS, CABLE TRAY, STRUCTURE, EQUIPMENT, CEILINGS, ARCHITECTURAL COMPONENTS, AND ANYTHING ELSE PERTAINING TO THE PROJECT TO PREVENT CONFLICTS.</p> <p>6. THE CONTRACTOR SHALL BE FAMILIAR WITH ALL THE CONDITIONS BOTH EXISTING AND THOSE RELATED TO THIS DOCUMENT AND THOSE OF OTHER DISCIPLINES, INCLUDING, BUT NOT LIMITED TO ARCHITECTURAL, CIVIL, ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT.</p> <p>7. FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE, INTERNATIONAL MECHANICAL CODE, AND INTERNATIONAL PLUMBING CODE.</p> <p>8. ALL PIPE AND DUCT SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN.</p> <p>9. FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE SEGMENTS, REFER TO DETAILS, SCHEDULES, AND SPECIFICATIONS.</p> <p>10. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.</p> <p>11. IF CONTRACTOR ENCOUNTERS MATERIAL WHICH MAY CONTAIN ASBESTOS, IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE OWNER.</p> <p>12. DETAILS REFERENCE ALL SHEETS.</p> <p>13. INSTALL ALL PIPING AND DUCTWORK WITHOUT FORCING OR SPRINGING.</p>

^{NOTE}
ALL OF THE GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET.



ISSUE DATE: 06.18.2025
REV DATE COMMENT



TITLE	MECHANICAL GENERAL NOTES
LCSC PA LAB PROJECT	Sam Glenn Complex 500 4th St Lewiston, ID 83501 Lewis Clark State College

JOB NO: 240128

M0.02

DIVISION 23 MECHANICAL

PART 1 - GENERAL

1.01 DESCRIPTION

A. WORK INCLUDED: FURNISH ALL LABOR, MATERIALS, EQUIPMENT, APPLIANCES AND NECESSARY INCIDENTALS FOR THE COMPLETE INSTALLATION OF ALL HEATING, VENTILATION AND AIR CONDITIONING AS SHOWN ON THE DRAWINGS AND AS SPECIFIED HEREIN.

B. RELATED WORK INCLUDED IN THIS SECTION:

1. FURNISHING ELECTRICAL EQUIPMENT NECESSARY FOR MECHANICAL WORK, EXCEPT DISCONNECTS UNLESS INDICATED OTHERWISE
2. LINE AND LOW VOLTAGE WIRING FOR MECHANICAL CONTROLS INCLUDING FINAL CONNECTIONS AS INDICATED ON WIRING DIAGRAMS
3. CONDUIT FOR LINE AND LOW VOLTAGE WIRING FOR MECHANICAL CONTROLS AS INDICATED ON WIRING DIAGRAMS
4. RESPONSIBILITY FOR OBTAINING CLARIFICATION OF DISCREPANCIES BETWEEN MECHANICAL AND ELECTRICAL WORK FROM ARCHITECT PRIOR TO PROCEEDING WITH THE WORK
5. RESPONSIBILITY FOR PROPER OPERATION OF AUTOMATIC ELECTRICAL CONTROLS AND EQUIPMENT, AND OF ELECTRIC POWER EQUIPMENT FURNISHED UNDER THIS SECTION

C. RELATED WORK IN OTHER SECTIONS:

1. ELECTRICAL WORK AS FOLLOWS WILL BE PROVIDED UNDER ELECTRICAL DIVISION:

A. CONDUIT FOR LINE VOLTAGE WIRING FOR EQUIPMENT AND DEVICES AS INDICATED OR SPECIFIED EXCEPT CONDUIT FOR LINE AND LOW VOLTAGE WIRING FOR MECHANICAL CONTROLS AS SPECIFIED UNDER DIVISION 15.

B. LINE VOLTAGE WIRING FOR EQUIPMENT AND DEVICES AS INDICATED OR SPECIFIED HEREIN EXCEPT LINE AND LOW VOLTAGE WIRING FOR MECHANICAL CONTROLS AS SPECIFIED UNDER DIVISION 15.

C. PROVIDING DISCONNECT SWITCHES

D. INSTALLING ELECTRICAL DEVICES SUCH AS STARTERS AND DISCONNECTS, AND WHEN INDICATED, FURNISHING ALL SUCH DEVICES.

D. CODES AND STANDARDS:

1. IN ADDITION TO THE REQUIREMENTS OF ALL GOVERNING CODES, ORDINANCES AND AGENCIES, CONFORM TO THE REQUIREMENTS OF THE FOLLOWING CODES AND STANDARDS:

- 2018 INTERNATIONAL MECHANICAL CODE
- 2018 INTERNATIONAL BUILDING CODE
- 2018 UNIFORM PLUMBING CODE
- 2018 INTERNATIONAL ENERGY CONSERVATION CODE
- 2018 INTERNATIONAL FUEL AND GAS CODE
- ASHRAE 90.1-2016

1.02 PRODUCT HANDLING

A. PROTECTION: TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE MATERIALS OF THIS SECTION BEFORE, DURING AND AFTER INSTALLATION.

B. REPLACEMENTS: IN THE EVENT OF DAMAGE, IMMEDIATELY REPAIR ALL DAMAGED AND DEFECTIVE WORK TO THE APPROVAL OF THE ENGINEER, AT NO ADDITIONAL COST TO THE OWNER.

1.03 JOB CONDITIONS

A. EXAMINATION OF SITE: EXAMINE THE SITE AND INCLUDE IN BID PROPOSAL ALL CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED.

1.04 MISCELLANEOUS

A. PERMIT AND FEES: ARRANGE, APPLY AND PAY FOR ALL NECESSARY PERMITS, INSPECTIONS, EXAMINATIONS AND FEES OR CHARGES REQUIRED BY PUBLIC AUTHORITIES HAVING JURISDICTION.

B. LOCATIONS AND ACCESSIBILITY: CONTRACTOR SHALL FULLY INFORM HIMSELF REGARDING PECULIARITIES AND LIMITATIONS OF SPACE AVAILABLE FOR INSTALLATION OF WORK UNDER THIS SECTION. CONTRACTOR SHALL COORDINATE WITH OWNER AND OTHER SERVICE MANUFACTURERS AND ADJUSTMENT SHALL BE PLACED IN FULLY ACCESSIBLE POSITIONS AND LOCATIONS. PROVIDE ACCESS DOORS WHERE REQUIRED IN DUCTWORK AND/OR CONSTRUCTION WHETHER SPECIALLY DETAILED OR NOT, AND RENDER ALL SUCH DEVICES ACCESSIBLE.

C. SCAFFOLDING: FURNISH ALL SCAFFOLDING, RIGGING AND HOISTING AS REQUIRED FOR THE PROPER EXECUTION OF THE WORK.

D. DRAWINGS: DRAWINGS INDICATE DESIRED LOCATION AND ARRANGEMENT OF DUCTWORK, EQUIPMENT, AND OTHER ITEMS, AND ARE TO BE FOLLOWED AS CLOSELY AS POSSIBLE. ALL OFFSETS AND INTERFERENCES MAY NOT BE SHOWN BECAUSE OF THE SCALE OF DRAWINGS. ASSUME THE RESPONSIBILITY FOR COORDINATING THE WORK WITH ALL OTHER TRADES. WORK SPECIFIED TO BE CLEARED BY DEFINITION, THE DRAWINGS SHALL BE INSTALLED AND ARRANGED IN A MANNER SATISFACTORY TO THE OWNER. IN THE EVENT CHANGES IN INDICATED LOCATION AND ARRANGEMENTS ARE DEEMED NECESSARY BY THE ENGINEER, THEY SHALL BE MADE BY THIS CONTRACTOR WITHOUT ADDITIONAL CHARGES.

E. ALL HVAC EQUIPMENT SHALL BE LABELED. INFORMATION ON LABELS SHALL INCLUDE IDENTIFICATION NUMBER AND NAME SAME AS THE DRAWINGS. FLOW AND STATIC PRESSURE AND THE AREA TO WHICH THE UNIT SERVES. LABELS SHALL BE BLACK FACED FORMICA WITH WHITE ENGRAVED LETTERING AT LEAST 3/16 INCH HIGH.

1.05 EQUIPMENT IDENTIFICATION

A. EXCEPT FOR INDIVIDUAL ROOM HEATING UNITS AND ITEMS FURNISHED UNDER TEMPERATURE CONTROL, ALL ITEMS OF MECHANICAL EQUIPMENT, INCLUDING FANS, PUMPS, BOILERS, AND ELECTRICAL SWITCHES AND STARTERS FOR MECHANICAL EQUIPMENT AND GAUGES SHALL BE LABELED.

B. INFORMATION ON LABELS SHALL INCLUDE THE FOLLOWING:

1. IDENTIFICATION NUMBER AND NAME. GENERALLY THIS NUMBER AND NAME SHALL BE THE SAME AS THAT SHOWN ON THE DRAWINGS OR IN THE SPECS.
2. IF THE ITEM IS A FAN, THE FLOW AND HEAD SHALL BE INDICATED.
3. THE TYPES OF NAMEPLATES SHALL BE AS FOLLOWS.

1. VALVE TAGS SHALL BE 1/2" EMBOSSED ALUMINUM TAPES WITH IDENTIFICATION ON ONE SIDE FOR VALVE TAGS FOR MAGNETIC STARTERS SHALL BE SCREWED TO THE METAL STARTER COVER. TAGS SHALL BE ADDRESSEGRAPH NO. B-530.

2. EQUIPMENT NAMEPLATES SHALL BE BLACK FACED FORMICA WITH WHITE ENGRAVED LETTERING AT LEAST 3/16" HIGH.

D. SCREWS SHALL BE USED FOR EQUIPMENT LABELS. PRIOR TO INSTALLATION, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A COMPLETE LIST OF ALL VALVES AND EACH ITEM OF EQUIPMENT TO BE IDENTIFIED WITH THE PROPER IDENTIFICATION.

1.06 SUBMITTALS

A. SHOP DRAWINGS: WITHIN 15 DAYS AFTER AWARD OF CONTRACT, AND BEFORE ANY OF THE MATERIALS OF THIS SECTION ARE FABRICATED AND DELIVERED TO THE JOBSITE, SUBMIT COMPLETE SHOP DRAWINGS AND EQUIPMENT SUBMITTALS FOR ENGINEER TO REVIEW IN ACCORDANCE WITH THESE SPECIFICATIONS. SHOW ALL DETAILS OF ALL DUCTWORK, AND EQUIPMENT PADS.

B. PRODUCT DATA:

1. SUBMIT PDFS OF ALL MANUFACTURER'S PRODUCT DATA SIMULTANEOUSLY WITH ALL SHOP DRAWING SUBMITTALS.
2. PRODUCT DATA TO INCLUDE ALL AIR CONDITIONING EQUIPMENT, HANGERS, FANS AND OTHER STANDARD ITEMS AS REQUIRED TO COMPLEMENT SHOP DRAWINGS FOR A SUBMITTAL INDICATING PRODUCTS TO BE USED ON THIS WORK.
3. MANUFACTURERS AND SUPPLIERS OF EQUIPMENT SHALL PROVIDE ALL DATA NECESSARY FOR COMPLIANCE WITH THE STATE OF IDAHO ENERGY CONSERVATION STANDARDS.
4. RECORD DRAWINGS: MAINTAIN THROUGHOUT THE PROGRESS OF THE WORK PROJECT RECORD DRAWINGS AND SUBMIT TO THE OWNER.
5. OPERATING MANUALS AND MAINTENANCE MANUALS:

 1. SUBMIT PDF COPY OF ALL OPERATING INSTRUCTIONS AND MAINTENANCE MANUALS.
 2. FULLY INSTRUCT OWNER'S OPERATING PERSONNEL AND DEMONSTRATE PERFORMANCE, OPERATION AND MAINTENANCE OF EQUIPMENT. AMOUNT OF TIME ALLOCATED FOR SAID INSTRUCTION AND DEMONSTRATION OF EQUIPMENT AND SYSTEMS SHALL BE PART OF THESE OBLIGATIONS. SUBMIT TO ENGINEER A LETTER SIGNED BY OWNER'S REPRESENTATIVE WHO WILL OPERATE SYSTEM STATING THAT HE HAS BEEN FULLY INSTRUCTED BY CONTRACTOR ABOUT OPERATION AND MAINTENANCE OF EQUIPMENT AND SYSTEM.
 3. SUBMIT ONE (1) ADDITIONAL SET OF APPROVED INSTRUCTIONS AND ONE (1) ADDITIONAL SET OF APPROVED CONTROL DIAGRAMS.

- E. GUARANTEES: IN ADDITION TO EQUIPMENT WARRANTIES, FURNISH A WRITTEN GUARANTEE AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP FOR ONE YEAR. GUARANTEE SHALL INCLUDE REPAIR OF DAMAGE TO, OR REPLACEMENT OF, ANY PART OF EQUIPMENT OR PREMISES CAUSED BY LEAKS OR BREAKS IN PIPE OR EQUIPMENT PROVIDED UNDER THIS SECTION.

PART 2 - PRODUCTS

2.01 - DIFFUSERS, REGISTERS AND GRILLES

AIR DISTRIBUTION EQUIPMENT SHALL BE OF SIZES AND CAPACITIES INDICATED.

A. REGISTERS, GRILLES, AND DIFFUSERS OF THE SIZES SHOWN ON THE DRAWINGS AND DESCRIBED HEREIN SHALL BE FURNISHED AND INSTALLED. ALL GRILLES, DIFFUSERS, AND REGISTERS SHALL BE COMPLETE WITH FRAMES WITH RUBBER GASKETS SUITABLE FOR THE AREA AND WALL CONSTRUCTION WHERE SHOWN ON THE DRAWINGS.

B. FINISH FOR ALL REGISTERS, DIFFUSERS, GRILLES, ETC. SHALL BE OFF-WHITE UNLESS OTHERWISE SELECTED BY THE OWNER. APPROVED MANUFACTURERS FOR ALL AIR DISTRIBUTION PRODUCTS SHALL BE PRIME INDUSTRIES, NALOR, METAL AIR, TUTLE & BAILEY, TITUS, OR HART AND COOLEY.

C. SUPPLY AIR SHALL BE INTRODUCED INTO CONDITIONED SPACE IN SUCH A MANNER THAT CONDITIONED AIR AND ROOM AIR IS RAPIDLY AND EVENLY MIXED, RESULTING IN EQUALIZATION OF TEMPERATURE AND DRAFTLESS AIR DISTRIBUTION THROUGHOUT ZONES OF OCCUPANCY WITH TEMPERATURE DIFFERENTIALS UP TO 25 DEGREES F FOR BOTH COOLING AND HEATING AS INDICATED. QUANTITIES AND THROWS SHALL BE AS INDICATED.

D. VELOCITY OF MOVING AIR BELOW FOOT LEVEL DURING COOLING CYCLE SHALL NOT EXCEED LIMITS OF 50 FEET AT 1.5 DEGREES F PER FOOT OF HEAD. VELOCITY OF MOVING AIR DURING HEATING CYCLE SHALL NOT EXCEED 100 FEET AT 1 DEGREE F PER FOOT OF HEAD. VELOCITY OF MOVING AIR AT THE 1' FOOT LEVEL DURING HEATING CYCLE SHALL NOT BE LESS THAN 10 FPM. TEMPERATURE DIFFERENCE AT OR BELOW THE 5 FOOT LEVEL SHALL NOT EXCEED THE FOLLOWING: 2 DEGREES F BELOW AVERAGE ROOM TEMPERATURE AT 30 FPM, 1.5 DEGREES F BELOW AVERAGE ROOM TEMPERATURE AT 50 FPM, 1.0 DEGREES F BELOW AVERAGE ROOM TEMPERATURE AT 70 FPM, AND 0.75 DEGREES F BELOW AVERAGE ROOM TEMPERATURE AT 100 FPM. SOUND PRESSURE LEVEL IN ALL OCTAVE BANDS FOR EACH DIFFUSER SHALL NOT EXCEED NC35 NOISE CRITERIA AT TASK LEVEL WHEN UNITS OPERATE AT DESIGNED CAPACITIES.

2.02 - DUCTS AND SHEET METAL WORK

A. PROVIDE DUCTS, PLENUMS, ACCESS DOORS, FRESH AIR INTAKES, AND EXHAUSTS AS INDICATED AND REQUIRED. ALL DUCTS SHALL BE CONSTRUCTED, ERECTED AND TESTED IN ACCORDANCE WITH THE MOST RESTRICTIVE OF LOCAL REGULATIONS, PROCEDURES DETAILED IN THE ASHRAE HANDBOOK AND THE ASHRAE STANDARD 190-1989. PROVIDE SHEET METAL DUCTS, SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION PROVIDE PREFABRICATED SPIRAL LOCKSEAM DUCTS AND FITTINGS AND RECTANGULAR DUCTS OF GALVANIZED STEEL, ALUMINUM FLEXIBLE DUCTWORK OR GYPSUM BOARD DUCTWORK IS NOT ACCEPTABLE.

B. ALL CONNECTIONS TO MAIN DUCTS SHALL BE MADE WITH LOW LOSS FITTINGS.

C. FLAT DUCT SURFACES SHALL BE CRIMPED DIAGONALLY REGARDLESS OF SIZE. LONGITUDINAL JOINTS IN ALL DUCT SIZES MAY BE FLAT LOCK JOINTS, TRANSVERSE JOINTS AND INTERMEDIATE BRONZE JOINTS. DUCTS SHALL BE TYPICALLY BUILT OF 24 GAUGE GALVANIZED SHEET METAL OR GALVANIZED STRUCTURAL ANGLES IN ACCORDANCE WITH REQUIREMENTS OF ASHRAE GUIDE AND PUBLIC AUTHORITIES HAVING JURISDICTION.

D. TRANSVERSE JOINTS ON ALL DUCTS SHALL BE SEALED WITH MASTIC OR TAPE.

E. LONGITUDINAL JOINTS ON DUCTS WITH INTERNAL STATIC PRESSURES IN EXCESS OF 0.75 INCHES OF WATER PRESSURE SHALL BE SEALED WITH MASTIC OR TAPE.

F. LOCK JOINTS SHALL BE HAMMERED TO MAKE THEM AIRTIGHT. INSIDE OF DUCT SHALL PRESENT A SMOOTH SURFACE TO FLOW AIR.

G. CHANGES IN SIZE OF DUCTS SHALL INCREASE GRADUALLY WITH A SLOPE OF NOT MORE THAN 12 INCHES IN 5 FEET WHERE POSSIBLE, BUT NOT MORE THAN 12 INCHES IN 3 FEET IN ANY EVENT.

H. TURNS SHALL BE MADE WITH A THROAT RADIUS OF NOT LESS THAN THE DUCT WIDTH.

I. PLENUMS SHALL BE MADE OF 16 GAUGE GALVANIZED SHEET STEEL REINFORCED HORIZONTALLY ON A MAXIMUM OF 48" CENTERS BY 1/2" X 1-1/4" X 1/8" GALVANIZED ANGLES AND REINFORCED VERTICALLY BY 1-1/2" STANDING SEAMS.

2.03 - VOLUME DAMPERS

A. DAMPERS USED IN LOW VELOCITY BRANCH DUCTS TO CONTROL THE VOLUME OR AIR FLOW SHALL BE YOUNG NO. 817A. THE DAMPER SHOULD BE EQUipped WITH A SET OF END BEARINGS. DAMPER SHALL BE YOUNG NO. 817A AND SHALL BE LOCKED POSITION IN SET FOR 48" DIA. DAMPER IS ACCESSIBLE WHERE THE DAMPER IS NOT ACCESSIBLE. YOUNG NO. 817A OR 817B VOLUME CONTROL DAMPER OR EQUAL, CONSISTING OF AN END BEARING OR MITER GEAR, COUPLING, 3/8" INCH SQUARE SHAFT, AND REGULATOR FOR OPERATING THE UNIT FROM THE CEILING SHALL BE PROVIDED.

2.04 - INSULATION

A. THERMAL DUCT INSULATION: INSULATE ALL SUPPLY AND RETURN AIR DUCTS, UNLESS OTHERWISE SPECIFIED WITH KNAUF OR EQUAL, MICROLITE FIBERGLASS DUCT INSULATION, FOIL FACED, 24 LBS. DENSITY, 1-1/2" THICK INSULATION WRAPPED ENTIRELY AROUND DUCT WITH JOINTS LAPPED AT LEAST 2' AND SECURED WITH 16 GAUGE GALVANIZED WIRE ON 12" CENTERS. INSULATION SHALL COVER ALL SURFACES INCLUDING STANDING SEAMS. THERMAL RESISTIVE VALUE OF DUCT WRAP SHALL BE A MINIMUM OF R-5.

B. RECTANGULAR SUPPLY DUCTS AND RETURN AIR DUCTS LOCATED IN UNCONDITIONED SPACES SHALL BE LINED WITH KNAUF LINACOUSTIC OR EQUAL. 1 INCH, 1-1/2 LB. THERMAL RESISTIVE VALUE OF DUCT LINER SHALL BE A MINIMUM OF R-5. INSULATION SHALL BE APPLIED TO THE INSIDE OF THE DUCTS AND THE LEADERS OF THE DUCTS LOCATED OUTSIDE THE BUILDING ENVELOPE SHALL BE LINED WITH KNAUF LINACOUSTIC OR EQUAL. 2 INCH, 1-1/2 LB. THERMAL RESISTIVE VALUE OF DUCT LINER SHALL BE A MINIMUM OF R-10. DUCT LINER SHALL BE COATED WITH FIBERGLASS DUCT LINER COMPLYING WITH FRICTION COEFFICIENT NOT GREATER THAN A VALUE OF 0.30. DUCT LINER SHALL BE APPLIED TO INSIDE OF DUCTS WITH AN APPROVED FIRE RETARDANT ADHESIVE TO PROVIDE 100% COVERAGE AND A SMOOTH SURFACE. IN DUCTS WITH ONE SIDE MORE THAN 12", SECURE INSULATION WITH MECHANICAL FASTENERS IN ADDITION TO ADHESIVE, SPACED AT 14" CENTERS IN BOTH DIRECTIONS. MECHANICAL FASTENERS SHALL NOT DAMAGE THE INSULATION SURFACE. SHALL START INSULATION AT THE LEADERS OF EACH SECTION, AND WITHIN 12" OF THE LEADING EDGE OF ALL CROSS JOINTS OF THE LINER SHALL BE HEAVILY COATED WITH AN APPROVED FIRE RESISTANT ADHESIVE. THE DUCT LINER SHALL BE CUT TO ASSURE SNUG CLOSING CORNER JOINTS. THE BLACK SURFACE OF THE LINER SHALL FACE THE AIR STREAM. TRANSVERSE JOINTS SHALL BE NEATLY BUTTED AND ALL DAMAGED AREAS SHALL BE HEAVILY COATED WITH AN APPROVED ADHESIVE.

C. ALL DUCT INSULATION SHALL HAVE AN NRC RATING OF NOT LESS THAN 0.60 AND A K FACTOR OF NOT MORE THAN 0.27. DUCT DIMENSIONS SHALL BE INCREASED 2 INCHES ON EACH SIDE FROM THOSE SHOWN ON DRAWINGS TO ACCOMMODATE INSULATION.

3.01 DISCREPANCIES

A. IN THE EVENT OF DISCREPANCY, IMMEDIATELY NOTIFY THE OWNER.

B. DO NOT PROCEED WITH INSTALLATION IN AREAS OF DISCREPANCY UNTIL ALL SUCH DISCREPANCIES HAVE BEEN FULLY RESOLVED.

3.02 EQUIPMENT IDENTIFICATION

A. ALL MAJOR EQUIPMENT SHALL BEAR FIRMLY ATTACHED METAL NAMEPLATES WHICH STATE NAME OF MANUFACTURER, MODEL NUMBER AND ELECTRICAL DATA.

3.03 INITIAL LUBRICATION, ADJUSTING, AND FILLING SYSTEMS

A. BEFORE OPERATING ANY MECHANICAL SYSTEMS, EQUIPMENT BEARINGS SHALL BE LUBRICATED AND ALL PISTONS, CYLINDERS, AND OTHER MOVING PARTS CHECKED FOR ALIGNMENT AND TOLERANCES IN ACCORDANCE WITH MANUFACTURER'S OPERATING INSTRUCTIONS. VIBRATIONS AND NOISE SHALL BE SUPPRESSED.

3.04 CLEANING OF EQUIPMENT, MATERIALS, AND PREMISES

A. BE PAINTED SMOOTH AND CLEAN, READY FOR PAINTERS. CLEAN ENTIRE PREMISES OF UNUSED MATERIALS, RUBBISH, DEBRIS, GREASE SPOTS AND DIRT LEFT BY SUBCONTRACTOR.

3.05 EQUIPMENT AND MATERIALS

A. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

3.06 ACCESSIBILITY

A. INSTALL WORK READILY ACCESSIBLE FOR NORMAL OPERATION, READING OF INSTRUMENTS, ADJUSTMENT, SERVICE, INSPECTION AND REPAIR. PROVIDE ACCESS PANELS WHERE INDICATED AND REQUIRED. ACCESS PANELS SHALL BE THE RESPONSIBILITY OF RESPECTIVE SUBCONTRACTORS.

3.07 SYSTEM BALANCING

A. BALANCING WORK INCLUDED:

a. COMPLETE TESTING AND BALANCING OF THE HVAC SYSTEM AS HEREIN SPECIFIED.

b. VERIFICATION OF CONDITIONS: PRIOR TO TESTING AND BALANCING, INSPECT EQUIPMENT AND MATERIALS AND ARRANGE WITH CONTRACTOR FOR SATISFACTORY CORRECTION OF ALL DEFECTS IN WORKMANSHIP AND/OR MATERIAL THAT COULD AFFECT THE WORK SPECIFIED HEREIN.

C. PROTECTION: AS SPECIFIED HEREIN.

D. SYSTEM OPERATION: CONTRACTOR SHALL PUT ALL PARTS OF SYSTEMS IN FULL OPERATION AND SHALL CONTINUE THE OPERATION OF SAME DURING EACH WORKING DAY OF TESTING AND BALANCING.

E. TEST DATA: SUBMIT COPY OF TEST DATA TO OWNER ON COMPLETION OF WORK UNDER THIS SECTION.

F. TEST AND BALANCE CONTRACTOR SHALL CERTIFY IN WRITING THAT SYSTEM HAS BEEN ADJUSTED AND BALANCED AND DESIGN CONDITIONS HAVE BEEN ATTAINED IN ALL AREAS OF THE BUILDING.

G. INSTRUMENTS: INSTRUMENTS USED BY CONTRACTOR SHALL BE ACCURATELY CALIBRATED AND MAINTAINED IN GOOD WORKING ORDER.

H. AIR DISTRIBUTION TESTING AND BALANCING:

a. TEST AND RECORD MOTOR FULL LOAD AMPS AND RPM.

b. TEST AND RECORD SYSTEM STATIC PRESSURES, SUCTION AND DISCHARGE.

c. ADJUST ALL SUPPLY AND RETURN AIR DUCTS TO PROPER DESIGN CFM.

d. IN COOPERATION WITH THE CONTROL MANUFACTURER'S REPRESENTATIVE, THE SETTING ADJUSTMENT OF AUTOMATICALLY OPERATED CONTROLS TO OPERATE AS SPECIFIED, INDICATED AND/OR NOTED.

I. WITNESS: NOTIFY OWNER IN WRITING TWO WEEKS PRIOR TO TESTING AND BALANCING OF ALL MAJOR EQUIPMENT IN ORDER TO ARRANGE THAT OWNER'S REPRESENTATIVE WILL WITNESS THE TESTS.

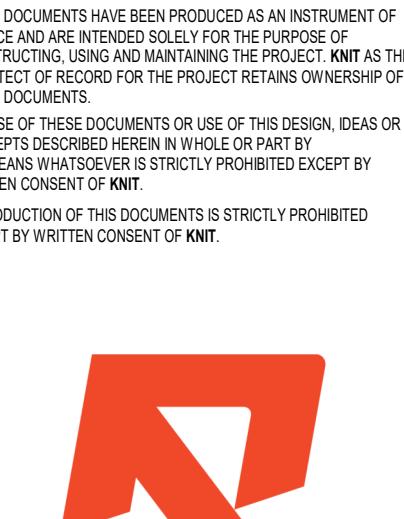
3.08 OPERATION

A. PLACE SYSTEM IN OPERATION AND REGULATE AND ADJUST TO OWNER'S SATISFACTION. SYSTEMS SHALL OPERATE QUIETLY AND WITHOUT VIBRATION OR NOISE.

3.09 CERTIFICATION

A. UPON COMPLETION, THE CONTRACTOR SHALL INSPECT WORK OF THIS SECTION AND DELIVER TO OWNER A WRITTEN CERTIFICATION THAT INSTALLED MATERIALS AND WORKMANSHIP CONFORM TO SPECIFICATIONS.

- END -

101 W Cataldo Ave, Suite 205, Spokane, WA 99201
(509) 919-3433 | info@resolutgroup.com
resolutgroup.com

Project #: 250146

ISSUE DATE: 06.18.2025
REV DATE: 11-21-25
COMMENT: Addendum

SECTION 22 - PLUMBING
PART 1 - GENERAL
1.01 GENERAL CONDITIONS
THE GENERAL CONDITIONS, SUPPLEMENTARY CONDITIONS AND DIVISION 1, ARE A PART OF THIS SECTION AND THE CONTRACT FOR THIS WORK AND SHALL APPLY TO THIS SECTION AS FULLY AS IF REPEATED HEREIN.
1.02 SCOPE OF WORK
FURNISH ALL LABOR, MATERIALS, EQUIPMENT, APPLIANCES AND NECESSARY INCIDENTALS FOR THE COMPLETE INSTALLATION OF ALL PLUMBING AS SHOWN ON THE DRAWINGS AND AS SPECIFIED HEREIN.
A. WORK SPECIFIED IN THIS SECTION
1. SANITARY SOIL, WASTE AND VENT SYSTEMS
2. DOMESTIC HOT AND COLD WATER SYSTEMS
3. FURNISH AND SET ALL SLEEVES FOR PIPES PASSING THROUGH WALLS AND FLOORS.
4. PIPE COVERING, INSULATION AND WRAPPING
5. EXCAVATION AND BACKFILL
6. ALL PLUMBING FIXTURES, VALVES, AND OTHER MISCELLANEOUS ITEMS OR EQUIPMENT REQUIRED FOR A COMPLETE INSTALLATION.

1.03 QUALITY ASSURANCE
A. CODES AND STANDARDS
1. ALL ITEMS INDICATED ON SITE, ARCHITECTURAL, OR MECHANICAL DRAWINGS ARE TO BE PROVIDED COMPLETE FROM POINT OF CONNECTION TO FINISHED FIXTURE IN CONFORMANCE WITH ALL GOVERNING AUTHORITY REQUIREMENTS. NOTHING IN THESE DRAWINGS OR SPECIFICATIONS SHALL BE CONSTRUED TO PERMIT WORK IN VIOLATION OF GOVERNING CODES.
2. IN ADDITION TO THE REQUIREMENTS OF ALL GOVERNING CODES, ORDINANCES AND AGENCIES, CONFORM TO THE REQUIREMENTS OF THE FOLLOWING CODES AND STANDARDS:
a. 2018 UNIFORM PLUMBING CODE
b. 2018 INTERNATIONAL BUILDING CODE
c. 2018 INTERNATIONAL MECHANICAL CODE
d. 2018 INTERNATIONAL ENERGY CONSERVATION CODE

1.04 PRODUCT HANDLING
A. PROTECTION: TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE MATERIALS OF THIS SECTION BEFORE, DURING AND AFTER INSTALLATION.

B. REPLACEMENTS: IN THE EVENT OF DAMAGE, IMMEDIATELY REPAIR ALL DAMAGED AND DEFECTIVE WORK TO THE APPROVAL OF THE ENGINEER, AT NO ADDITIONAL COST TO THE OWNER.

1.05 SUBMITTALS

A. MANUFACTURER'S LITERATURE: WITHIN 35 DAYS AFTER AWARD OF CONTRACT AND BEFORE ANY OF THE MATERIALS OF THIS SECTION ARE DELIVERED TO THE JOB SITE, SUBMIT SEVEN COMPLETE BROCHURES OF ALL MATERIALS AND EQUIPMENT, PER DIVISION 1 OF THE SPECIFICATIONS.

B. OTHER SUBMITTALS:

1. SHOP DRAWINGS
2. STERILIZATION TEST REPORT
3. TEST DATA

SETS IN BOUND BOOKLET FORM OF WRITTEN OPERATING AND MAINTENANCE INSTRUCTIONS AND BROCHURES FOR EQUIPMENT SPECIFIED IN THIS SECTION. FULLY INSTRUCT OWNER'S OPERATING PERSONNEL.

C. RECORD DRAWINGS: KEEP AN ACCURATE DIMENSIONED RECORD OF AS-BUILT LOCATIONS AND ELEVATIONS, AS REFERRED TO APPROVED BASE DATUM, OF BURIED CONCEALED.

D. OPERATION AND MAINTENANCE INSTRUCTION: DELIVER TO ARCHITECT TWO COMPLETE LINES, MANHOLE, CLEANOUTS, VALVES, PLUGGED TEES, CAPPED ENDS, AND OF WORK WHICH IS INSTALLED DIFFERENT FROM SHOWN IN THE PLANS.

1.06 MISCELLANEOUS

A. EXAMINATION OF THE SITE: EXERCISE CARE IN EXAMINING THE SITE AND COORDINATE ALL WORK INDICATED IN THE DRAWINGS WITH EXISTING CONDITIONS. REPORT TO ARCHITECT IN WRITING CONDITIONS THAT WILL PREVENT PROPER PROVISIONS OF THIS WORK. THE DEPTH AND LOCATION OF EXISTING SERVICE LINES, CONCRETE FLOORS, CONCRETE CEILINGS, AND CONCRETE WALLS, AND THE EXISTING CONDITIONS IN JUNCTIONS BEFORE EXCAVATING, BY SUBMISSION OF THE BID, THE CONTRACTOR WARRANTS THAT HE HAS FAMILIARIZED HIMSELF WITH THE EXISTING CONDITIONS AND WILL PERFORM ALL WORK AS REQUIRED FOR HOOKUP AND AS REQUIRED BY THE CONTRACT DOCUMENTS AT NO ADDITIONAL COST.

B. PERMITS AND FEES: ARRANGE AND PAY FOR ALL PERMITS, INSPECTIONS AND FEES REQUIRED BY ALL GOVERNING AGENCIES.

C. SERVICE CONNECTIONS: MAKE ALL NECESSARY ARRANGEMENTS WITH APPLICABLE UTILITY COMPANY FOR CONNECTION TO EXISTING SERVICE LINES. PAY ALL FEES ASSOCIATED WITH WORK INCLUDING METERS, HOOKUP CHARGE AND UTILITY ASSESSMENT FEES.

D. DRAWINGS: COORDINATE ALL SPACE REQUIREMENTS WITH OTHER TRADES. DRAWINGS INDICATE DESIRED LOCATION AND ARRANGEMENT OF PIPING, EQUIPMENT, AND OTHER ITEMS AND ARE TO BE FOLLOWED AS CLOSELY AS POSSIBLE.

PART 2 - PRODUCTS

2.01 - GENERAL

- A. PIPE SLEEVES AND WRAPPING: PROVIDE POLISHED CHROMIUM PLATED AND BRASS SET SCREW FLANGES WHERE PLUMBING PIPING PASS THROUGH WALLS, FLOORS, CEILINGS, AND PARTITIONS IN FINISHED PORTIONS OF THE BUILDING. SLEEVES SHALL INCLUDE FLANGES ON PIPES AT FIXTURES. IN CONCEALED AND EXPOSED PLUMBING, SLEEVES SHALL BE 20 IN. GALVANIZED, 1 IN. O.D. LARGER THAN THE PIPE, CALKED IF BECAUSE OF MOISTURE PROOF MANNER. ALL PLUMBING PIPING PENETRATING THROUGH FIRE WALLS AND FLOORS SHALL BE PROPERLY SEALED WITH DOW CORNING 3-6548 SILICONE RTV FOAM OR EQUAL. INSTALL PER MANUFACTURER'S DIRECTION.
- B. PIPE IDENTIFICATION:
 - 1. PIPING IDENTIFICATION PER ANSI AND OSHA STANDARDS: EACH INDIVIDUAL PIPELINE SHALL BE MARKED FOR QUICK AND EASY IDENTIFICATION AS TO CONTENTS AND CHARACTER OF MATERIAL CARRIED IN THE PIPES BY SET ON SNA OR STR MARKER.
 - 2. MARKED SHALL BE INSTALLED AND SPACED AT NOT MORE THAN 8 FT. INTERVALS AND SO LOCATED THAT MARKERS SHALL BE VISIBLE WHERE PIPING SYSTEM IS EXPOSED.
 - 3. COLOR SCHEME SHALL BE APPROVED. BASE COLOR FOR MARKERS SHALL BE AS FOLLOWS:
 - DOMESTIC HOT WATER - YELLOW
 - DOMESTIC COLD WATER - GREEN
 - SANITARY VENT - GREEN
 - SANITARY VENT - GREEN
 - CONDENSATE DRAIN - BLUE

- C. ONE MARKER SHALL BE INSTALLED AT EACH SIDE OF VALVES, SPECIAL FITTINGS AND AT BRANCH TAKE-OFF. IN FURNISHED SPACES INSTALL ONE BAND 2 FT. ABOVE FLOOR AND 19 IN. BELOW CEILING LINE.

- D. MATERIALS: MATERIALS WHEN NOT OTHERWISE DEFINITELY SPECIFIED SHALL CONFORM TO THE APPLICABLE ASTM, ASME, AGA, AND ASA STANDARDS.

2.02 - PIPE AND FITTING SCHEDULE

PIPE AND FITTINGS

- A. NO PIPE OF A FOREIGN MANUFACTURER WILL BE ACCEPTABLE.
- B. ALL PIPING, FITTING, FLANGES, ETC. SHALL BE FREE FROM DEFECTS AND SHALL COMPLY WITH THE APPROPRIATE ASTM SPECIFICATIONS.
- C. COPPER TUBING: ASTM B88, TYPE L FOR ABOVE GRADE PLUMBING, TYPE K BELOW GRADE PLUMBING.
- D. PVC PIPE AND FITTING: ASTM D1735 CLASS 150 WITH ASTM D 2953 SOLVENT CEMENT JOINTS UNLESS OTHERWISE SPECIFIED. SCHEDULE 40 PVC PLASTIC PIPE FITTINGS: ASTM F 628 SCHEDULE 40 PVC IS ONLY ALLOWED FOR BELOW GRADE PLUMBING.
- E. ACRYLONITRILE BUTADIENE STYRENE (ABS) PLASTIC PIPE: ASTM D 2651, SCHEDULE 40, ASTM F 628, SCHEDULE 40, ABS PLASTIC PIPE FITTINGS: ASTM F 409, ACCESSIBLE AND REPLACEABLE, SOLVENT CEMENT AND THREADED TYPES, DRAIN PATTERN, ONLY FOR BELOW GRADE PLUMBING.
- F. CAST IRON SOIL PIPE AND FITTINGS ASTM A74.
- G. COPPER FITTINGS: WROUGHT COPPER, ANSI SPECIFICATION B16.22.
- H. BALL VALVES, DOMESTIC WATER: BRONZE, FULLPORT, CLASS 150, THREADED.
 - a. GRINNELL 3751 OR 171N
 - b. NIBCO T-855
 - c. JAMESbury 300
- I. PARTITION STOP VALVES: T&S B415, LOOSE KEY TYPE WITH WALL FLANGE.
- J. BALANCING COCKS 2 INCHES AND SMALLER SHALL BE CRANE NO 250 OR MILWAUKEE BUTTERBALL BB-2100 OR BB2-350 WITH MEMORY STOP.
- K. SOLDER
 - a. JOINTS IN COPPER PIPING ABOVE GRADE SHALL BE STAY SAFE 50 SOLDER OR 95-5 SOLDER SHALL BE SILFOS OR SILVERFLOW FOR ALL REFRIGERANT PIPING JOINTS.

2.04 PIPE SLEEVES

- AT CONCRETE WALLS OR FLOORS, ADJUST-TO-CRETE, PARAMOUNT, HOLE-OUT OR SPERZEL CRETESLEEVE FLOOR SLEEVES SHALL EXTEND TO TOP OF CONCRETE CURBS FOR PIPING RISING THROUGH FLOORS. WALL SLEEVES SHALL BE FLUSH WITH FINISHED SURFACE. SLEEVES SHALL BE SIZED TO ALLOW 1/2 IN. CLEARANCE AROUND PIPE INSULATION. INSULATION AND COVERING SHALL BE CONTINUOUS THROUGH WALL AND FLOOR SLEEVES.
- 2.05 CLEANOUTS
- A. FULL SIZE CLEANOUTS SHALL BE INSTALLED AT THE BASE OF EACH SOIL, WASTE STACK. ALL OTHER CLEANOUTS SHALL BE INSTALLED WHERE SHOWN ON THE DRAWINGS AND WHERE REQUIRED BY STATE, LOCAL OR NATIONAL PLUMBING CODES.
- B. ALL CLEANOUTS SHALL BE INSTALLED IN LOCATIONS EASILY ACCESSIBLE FOR RODDING. CLEANOUTS IN WALLS SHALL BE JR SMITH 4402, IN FLOORS JR SMITH 4023. CLEANOUTS SHALL BE JR SMITH, ZURN, WADE, OR JOSAM.

2.06 PIPE INSULATION

- A. ALL DOMESTIC HOT WATER AND COLD WATER PIPING SHALL BE COVERED WITH OWENS CORNING AS-105 FIBERGLASS PIPE INSULATION WITH VAPOR SEAL JACKET. INSULATION THICKNESS SHALL BE 1/2 INCH FOR COLD WATER AND 1 INCH FOR HOT WATER.
- B. INSULATE ALL PIPING UNDER LAVATORIES ACCESSIBLE TO THE PHYSICALLY HANDICAPPED WITH HOT WATER SUPPLY AND P TRAP PREFABRICATED INSULATION, HANDI LAV GUARD.
- C. HANGERS SHALL BE SUPPLIED WITH FACTORY INSTALLED ISOLATION AND DI-CHROMATE FINISH.

PIPE 2 IN. AND SMALLER: GRINNELL F89, PIPE 2-1/2 IN. AND LARGER: GRINNELL F85. CONCRETE INSERTS: GRINNELL 281 ANAD 382, RISER CLAMPS FOR COPPER PIPING: GRINNELL 261P, PLASTIC COATED: RISER CLAMPS FOR OTHER PIPING: GRINNELL 261.

HANGER RODS SHALL CONFORM TO THE FOLLOWING: PIPE SIZE 2 IN. AND SMALLER: 3/8 IN. RODS, PIPE SIZE 2-1/2 IN. AND 3 IN.: 1/2 IN. RODS, PIPE SIZE 3 IN. AND LARGER: 5/8 IN. RODS.

PART 3 - EXECUTION

3.01 SURFACE CONDITIONS

- A. INSPECTION: ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF ALL GOVERNING AUTHORITIES, THE ORIGINAL DESIGN, AND THE REFERENCED STANDARDS.
- B. DISCREPANCIES
 - 1. IN THE EVENT OF DISCREPANCY, IMMEDIATELY NOTIFY THE ARCHITECT.
 - 2. DO NOT PROCEED WITH INSTALLATION IN AREAS OF DISCREPANCY UNTIL ALL SUCH DISCREPANCIES HAVE BEEN FULLY RESOLVED.
 - 3. INTERFERENCES BETWEEN INSTALLED WORK OF VARIOUS TRADES DUE TO LACK OF COORDINATION SHALL BE RESOLVED BY ARCHITECT WHOSE DECISION IS FINAL. RELOCATE OR NEGLECT ANY WORK AS REQUIRED TO ACCOMMODATE WORK OF OTHER TRADES AT NO EXTRA COST TO THE OWNER WHEN SO DIRECTED BY THE ARCHITECT.

3.02 LOCATING AND SPACE REQUIREMENTS

- A. CONTRACTOR SHALL FULLY INFORM HIMSELF REGARDING PECULIARITIES AND LIMITATIONS OF SPACES AVAILABLE FOR INSTALLATION OF WORK UNDER THIS DIVISION. DRAWINGS INDICATE DESIRED LOCATION AND ARRANGEMENT OF PIPING, EQUIPMENT AND OTHER ITEMS, AND ARE TO BE FOLLOWED AS MUCH AS POSSIBLE. WORK SPECIFIED AND NOT CLEARLY DEFINED BY DRAWINGS SHALL BE LOCATED AND ARRANGED AS SATISFACTORY TO THE CONTRACTOR AND THE OWNER. A CHANGE IN LOCATION REQUIRED BY OBSTACLES OR THE INSTALLATION OF OTHER TRADES NOT SHOWN ON THE MECHANICAL PLANS SHALL BE MADE BY CONTRACTOR WITHOUT ADDITIONAL CHARGE PROVIDED THE CHANGE IS ORDERED BEFORE WORK IS INSTALLED AND NO EXTRA MATERIALS ARE REQUIRED.

- B. PROVIDE CLEAUNOUTS WHERE INDICATED AND REQUIRED. UNLESS OTHERWISE INDICATED, CLEAUNOUTS SHALL BE ACCESSIBLE WITH EXTENSIONS TO GRADE TO OUTSIDE OF BUILDINGS, OR TO FLOORS ABOVE AS INDICATED OR REQUIRED. DO NOT LOCATE CLEAUNOUTS IN PUBLIC LOBBIES AND PUBLIC CORRIDORS UNLESS APPROVED BY ARCHITECT.

- C. MEMBRANES: WHERE WATERPROOFING MEMBRANE OCCURES UNDER FLOOR, BRING MEMBRANE TO CLEANOUT WITHOUT PUNCTURING, AND PERMANENTLY ANCHOR TO INTEGRAL ANCHORING FLANGE WITH A HEAVY CAST-IRON CLAMPING COLLAR AND RUSTPROOF BOLTS.

- D. COVERS: SET CLEANOUT COVERS WITH ALL FINISHED WALL, FLOOR OR GRADE. IN ALL CASES SECURELY ANCHOR BY MEANS OF INTEGRAL LUGS AND BOLTS. WHERE SURFACING MATERIAL SUCH AS RESILIENT COVERING IS SPECIFIED, ASCERTAIN THICKNESS BEING USED AND SET CLEANOUT TOP SO FINISHED FLOOR IS SMOOTH.

- E. USE ACORN 3500 THREAD COMPOUND.

3.03 EXCAVATION AND BACKFILLING

- A. PERFORM EXCAVATION AND BACKFILLING REQUIRED WORK UNDER THIS SECTION UNLESS OTHERWISE SPECIFIED. CONFORM TO REQUIREMENTS OF DIVISION 2, SOILS REPORT AND OF PUBLIC AUTHORITIES HAVING JURISDICTION.
- B. CONSTANTLY CHECK WORK OF OTHER TRADES TO PREVENT INTERFERENCE WITH THIS INSTALLATION.

3.04 SPECIAL ITEMS

- A. INSTALL AS INDICATED ON THE DRAWINGS, AS HEREIN SPECIFIED, AND AS RECOMMENDED BY MANUFACTURER.

3.05 STERILIZATION

- A. STERILIZE EACH UNIT OF WATER SUPPLY AND DISTRIBUTION SYSTEM WITH LIQUID CHLORIDE OR HYDROCHLORIDE BEFORE ACCEPTANCE FOR OPERATION IN ACCORDANCE WITH AWWA C601, "STANDARD FOR DISINFECTION OF WATER MAINS." WORK SHALL BE DONE BY CONTRACTOR AND UNLESS OTHERWISE REQUIRED BY PUBLIC AUTHORITIES HAVING JURISDICTION, SHALL CONFORM TO THE FOLLOWING:

- B. METHOD: AMOUNT OF CHLORINE SHALL PROVIDE A DOSAGE OF 50 PPM MINIMUM. INTRODUCE CHLORINATING MATERIALS INTO LINES AND DISTRIBUTION SYSTEM IN APPROVED MANNER. AFTER A CONTACT PERIOD OF 24 HOURS MINIMUM DURING WHICH PERIOD CHLORINE RESIDUAL SHALL BE MAINTAINED AT 5 PPM MINIMUM. FLUSH OUT SYSTEMS WITH CLEAN WATER UNTIL RESIDUAL CONTENT IS NOT GREATER THAN 0.2 PPM. FLUSH ENTIRE SYSTEM OPEN AND CLOSE VALVES IN LINES BEING STERILIZED SEVERAL TIMES DURING CONTACT PERIOD.

- C. TEST REPORTS: FURNISH ONE COPY OF TEST REPORT OF COMPLETE AND ADEQUATE STERILIZATION TO ARCHITECT BEFORE FINAL ACCEPTANCE OF WORK. CERTIFICATES SHALL BEAR SIGNATURE OF AN OFFICIAL OF LABORATORY RESPONSIBLE FOR TEST. COST OF TESTING LABORATORY SERVICES SHALL BE INCLUDED IN THE SUBCONTRACT.

3.06 ADJUSTING

- A. UPON COMPLETION OF WORK AND AFTER CLEANING OF SYSTEM, FIXTURES AND EQUIPMENT, AND AUTOMATIC PARTS OF PLUMBING SYSTEM SHALL BE CAREFULLY ADJUSTED. NORMAL ALL FLUSH VALVES AND FIXTURE STOPS SHALL BE CHECKED FOR PROPER OPERATION AND FINAL ADJUSTMENT.

3.07 HANGERS AND SUPPORTS

- A. HOLD HORIZONTAL PIPE RUNS FIRMLY IN PLACE USING APPROVED STEEL AND IRON HANGERS, SUPPORTS, AND/OR PIPE RESTS UNLESS OTHERWISE INDICATED. SUSPEND HANGER RODS FROM CONCRETE INSERTS OR FROM APPROVED BRACKETS, CLAMPS OR CLIPS. HANGERS AND SUPPORTS SHALL BE LOCATED AS NECESSARY TO SUPPORT THE PIPE AND TO SUPPORT WEIGHT OF PIPING AND FLUID, EXCEPT FOR BURIED PIPING, HAND OR SUPPORT PIPE RUNS SO THAT THEY MAY EXPAND OR CONTRACT FREELY WITHOUT STRAIN TO PIPE OR EQUIPMENT.

- 1. HORIZONTAL COPPER TUBING: FOR 2 IN. DIAMETER AND OVER, PROVIDE HANGERS EVERY 10 FT., FOR 1-1/2 IN. DIAMETER AND SMALLER, EVERY 6 FT.
- 2. HORIZONTAL CAST-IRON HUB AND SPIGOT PIPING: PROVIDE HANGERS OR SUPPORTS AT EACH HUB.

- 3. HORIZONTAL CAST-IRON NO-HUB PIPING: PROVIDE HANGERS OR SUPPORTS AT EACH SIDE OF NO-HUB FITTINGS. PROVIDE ANTI-SEPARATION BRACING AT EACH 90 DEGREE CHANGE OF DIRECTION.

- 4. VERTICAL PIPING: SUPPORT AT FLOOR WITH IRON PIPE CLAMPS.

- 5. BRANCHES: PROVIDE SEPARATE HANGERS OR SUPPORTS FOR BRANCH LINES 6 FT. OR MORE IN LENGTH.

- 6. SOUND AND ELECTROLYSIS ISOLATORS: PROVIDE AT ALL HANGERS AND SUPPORTS FOR HOT AND COLD DOMESTIC WATER LINES. SECURELY ATTACH PIPE TO WALLS, STUDS, ETC. ALL SUCH PIPING ISOLATED FROM STRUCTURE BY "TRISOLATORS".

3.08 TESTS

- A. PERFORM TESTS TO ARCHITECT'S SATISFACTION. MAKE TESTS IN PRESENCE OF OWNER'S REP AND AT A TIME SUITABLE TO HIM IF REQUESTED. FURNISH NECESSARY LABOR AND EQUIPMENT AND BEAR COSTS FOR TESTING. COST OF REPLACING AND/OR REPAIRING DAMAGE RESULTING THEREFROM SHALL BE BORNE BY THIS CONTRACTOR. SHOULD THE CONTRACTOR REFUSE OR NEGLECT TO MAKE TESTS AS NECESSARY TO SATISFY THE ARCHITECT, THE REQUIREMENT OF SPECIFYING THE TESTS SHALL BE MADE BY THE ARCHITECT. THE CONTRACTOR SHALL PAY FOR ALL EXPENSES.

- B. HYDROSTATIC TESTS: MAKE BY COMPLETELY FILLING PIPING SYSTEM WITH WATER AND ELIMINATING ACCUMULATIONS OF AIR SO THAT LEAKAGE, NO MATTER HOW SMALL, WILL BE APPARENT ON TESTING GAUGE IMMEDIATELY. MAINTAIN PRESSURE UNTIL PIPE UNDER TEST HAS BEEN EXAMINED, BUT IN NO CASE LESS THAN 24 HOURS. TEST SYSTEMS AT THE FOLLOWING PRESSURE:

• SYSTEM	TEST PRESSURE
• DOMESTIC HOT WATER	150 PSIG
• DOMESTIC HOT WATER	150 PSIG

- C. SANITARY SOIL, WASTE, VENT SYSTEM TESTS: BEFORE INSTALLATION OF FIXTURES, CAP END OF SYSTEM AND FILLINES WITH WATER TO 10 FT. ABOVE THE SECTION BEING TESTED (INCLUDING VENTS) AND ALLOW TO STAND FOR AT LEAST FIFTEEN (15) MINUTES BEFORE INSPECTION STARTS. MAKE TESTS IN SECTIONS IF NECESSARY OR CONVENIENT. HOWEVER, INCLUDE INTERCONNECTIONS BETWEEN NEW SECTIONS AND PREVIOUSLY TESTED SECTIONS IN THE NEW TEST.

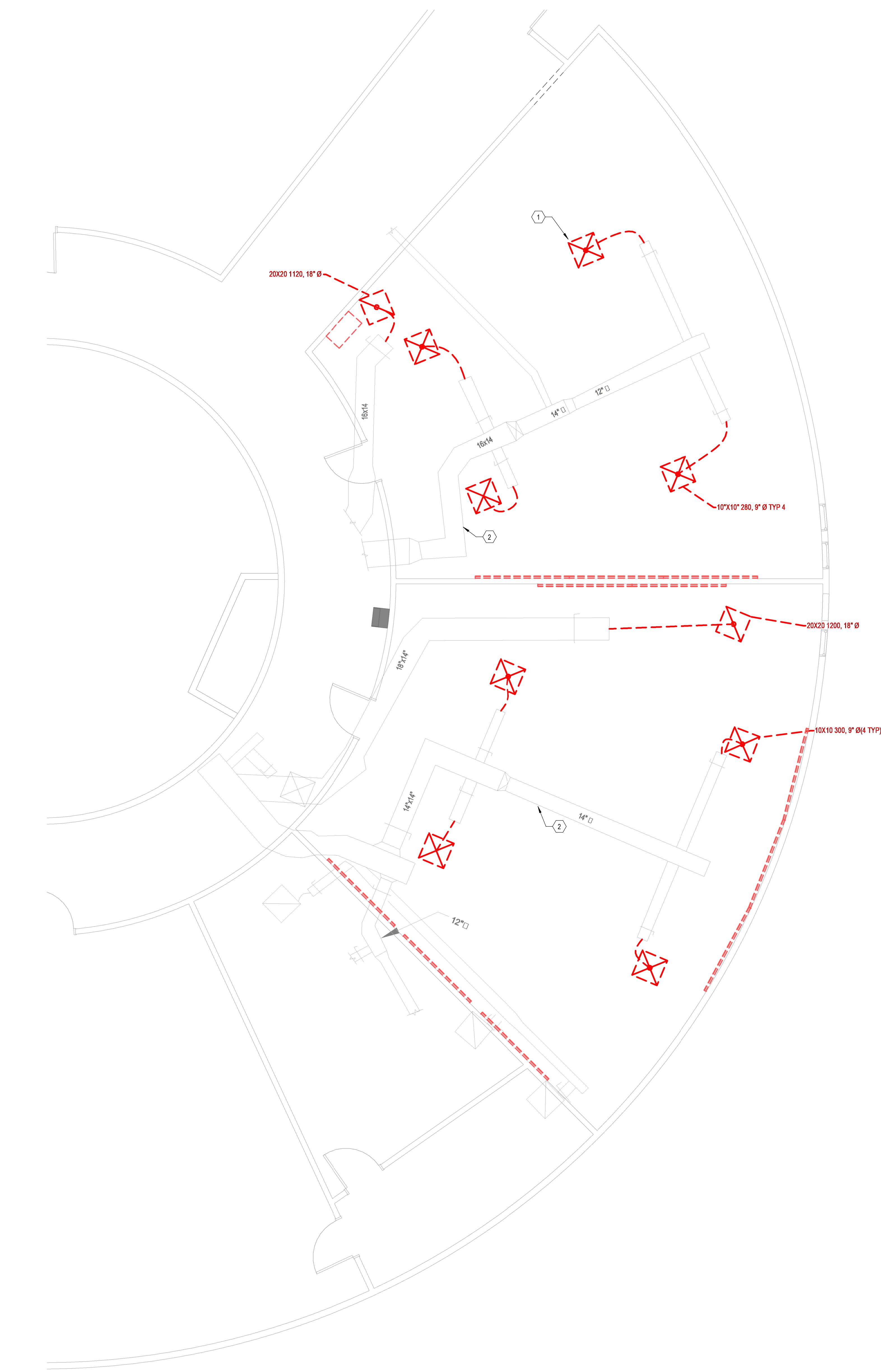
3.09 CLEANOUTS

- A. PROVIDE CLEAUNOUTS WHERE INDICATED AND REQUIRED. UNLESS OTHERWISE INDICATED, CLEAUNOUTS SHALL BE ACCESSIBLE WITH EXTENSIONS TO GRADE TO OUTSIDE OF BUILDINGS, OR TO FLOORS ABOVE AS INDICATED OR REQUIRED. DO NOT LOCATE CLEAUNOUTS IN PUBLIC LOBBIES AND PUBLIC CORRIDORS UNLESS APPROVED BY ARCHITECT.

- B. MEMBRANES: WHERE WATERPROOFING MEMBRANE OCCURES UNDER FLOOR, BRING MEMBRANE TO CLEANOUT WITHOUT PUNCTURING, AND PERMANENTLY ANCHOR TO INTEGRAL ANCHORING FLANGE WITH A HEAVY CAST-IRON CLAMPING COLLAR AND RUSTPROOF BOLTS.

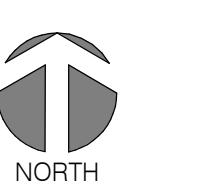
- C. COVERS: SET CLEANOUT COVERS WITH ALL FINISHED WALL, FLOOR OR GRADE. IN ALL CASES SECURELY ANCHOR BY MEANS OF INTEGRAL LUGS AND BOLTS. WHERE SURFACING MATERIAL SUCH AS RESILIENT COVERING IS SPECIFIED, ASCERTAIN THICKNESS BEING USED AND SET CLEANOUT TOP SO FINISHED FLOOR IS SMOOTH.

- D. USE ACORN 3500 THREAD COMPOUND.

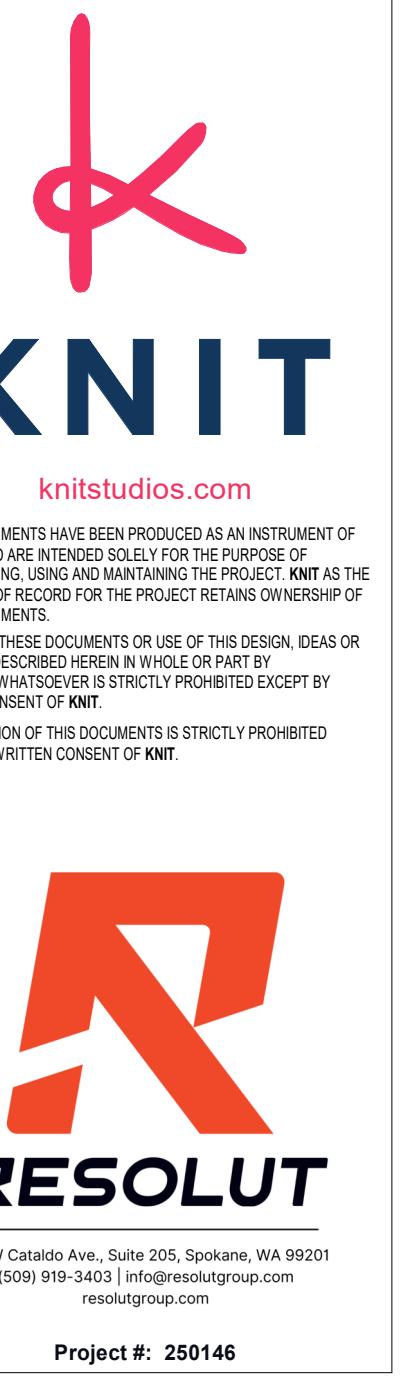


LEVEL 2 MECHANICAL HVAC DEMO PLAN

1/4" = 1'-0"



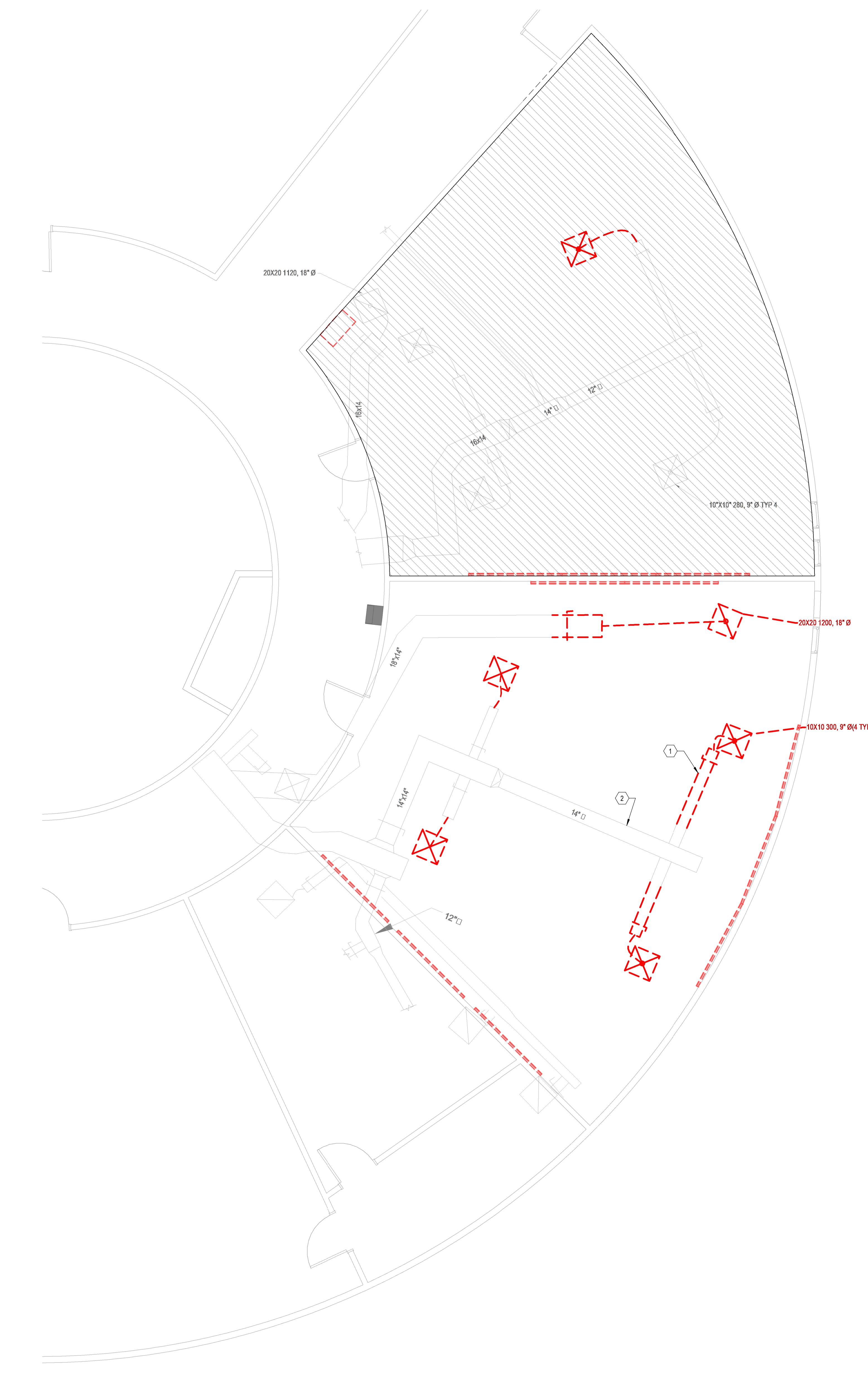
KEYNOTES	
1	EXISTING ELEMENTS SHOWN DARK AND DASHED TO BE DEMOLISHED. TYPICAL.
2	EXISTING ELEMENTS SHOWN LIGHT TO REMAIN. TYPICAL.



ISSUE DATE: 06.18.2025

REV DATE COMMENT
2 12-15-25 Bid RFI Clarifications

LEVEL 2 MECHANICAL DEMO PLAN		
TITLE	PROJECT	CLIENT
LCSC PA LAB	Sam Glenn Complex 500 4th St Lewiston, ID 83501	Lewis Clark State College
JOB NO: 240128		
MD1.01		

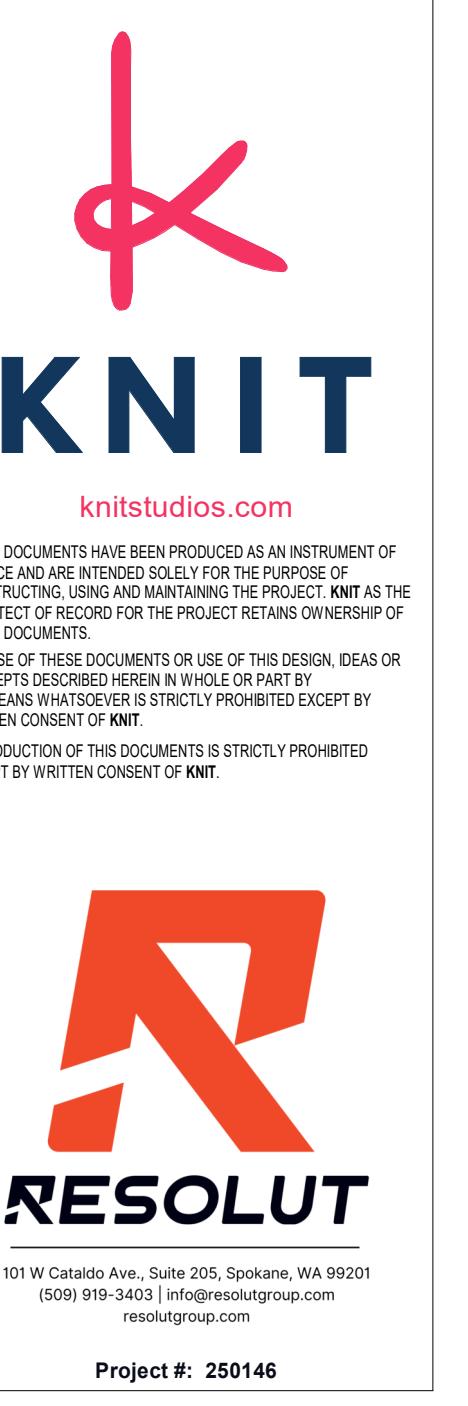


ALTERNATE BID LEVEL 2 MECHANICAL HVAC DEMO PLAN

1/4" = 1'-0"



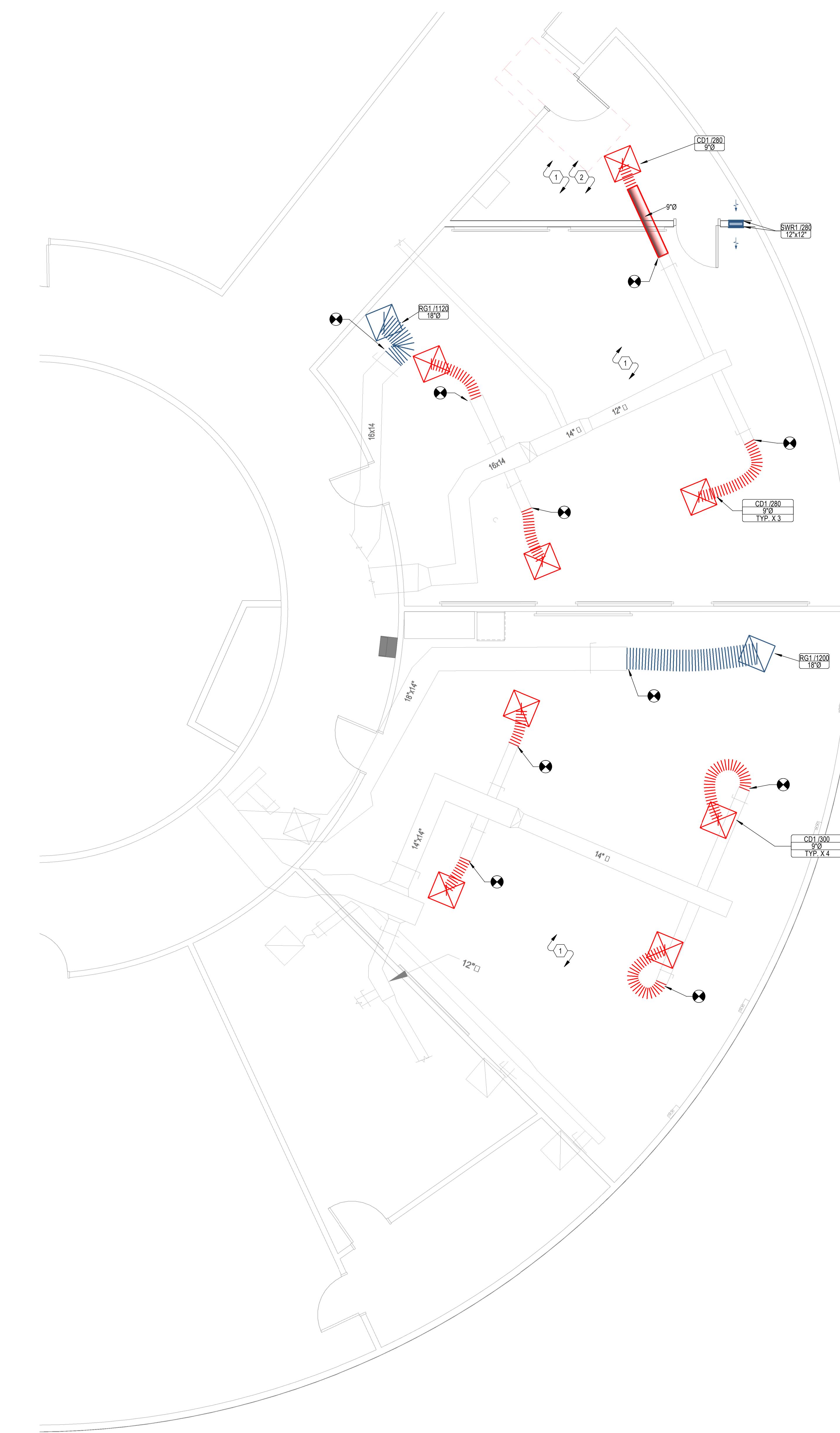
KEYNOTES	
1	EXISTING ELEMENTS SHOWN DARK AND DASHED TO BE DEMOLISHED. TYPICAL.
2	EXISTING ELEMENTS SHOWN LIGHT TO REMAIN. TYPICAL.



ISSUE DATE: 06.18.2025
 REV DATE COMMENT
 2 12-15-25 Bid RFI Clarifications

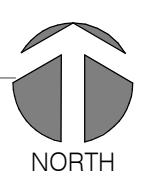


ALTERNATE BID LEVEL 2 MECHANICAL DEMO PLAN
 TITLE: LCSC PA LAB
 PROJECT: Sam Glenn Complex 500 4th St Lewiston, ID 83501
 CLIENT: Lewis Clark State College
 JOB NO: 240128
 MD1.02



LEVEL 2 MECHANICAL HVAC PLAN

1/4" = 1'-0"



KEYNOTES	
1	REPLACE EXISTING DIFFUSERS AND GRILLES WITH NEW. ALIGN ELEMENTS WITH NEW GRID.
2	RELOCATE EXISTING THERMOSTAT TO NEW ROOM.

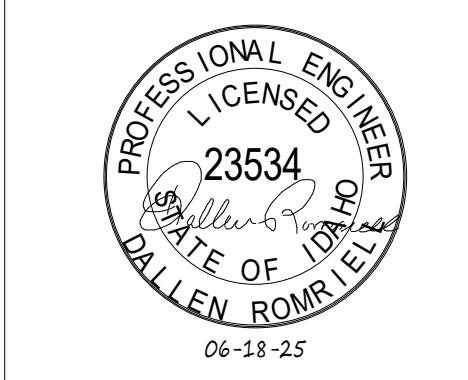
GRILLE, REGISTER, AND DIFFUSER PA LAB SCHEDULE			
ID	MANUFACTURER AND MODEL	DESCRIPTION	IMAGE
CD1	TITUS OMNI	STYLE: SQUARE PLAQUE FACE CEILING DIFFUSER CONSTRUCTION: STEEL FINISH: POWDER COAT WITH COLOR SELECTED BY ARCHITECT MOUNTING: SURFACE OR LAY-IN BASED ON CEILING TYPE. PROVIDE FRAME TYPE 1 FOR SURFACE MOUNT AND FRAME TYPE 3 FOR LAY-IN. FACE SIZE: 24"X24", 24"X12", 20"X20", 16"X16", OR 12"X12". VERIFY FACE SIZE WITH ARCHITECT AND ENGINEER. CORE: REMOVABLE MAX NC: 25 DAMPER: NONE CONNECTION: ROUND OR RECTANGULAR OF SIZE SHOWN ON DRAWINGS. PROVIDE ADAPTER FITTINGS AS REQUIRED. APPLICATION: VARIABLE AIR VOLUME SUPPLY	
RG1	TITUS PAR	STYLE: SQUARE PERFORATED FACE CEILING GRILLE CONSTRUCTION: STEEL FINISH: POWDER COAT WITH COLOR SELECTED BY ARCHITECT MOUNTING: SURFACE OR LAY-IN BASED ON CEILING TYPE. PROVIDE FRAME TYPE 1 FOR SURFACE MOUNT AND FRAME TYPE 3 FOR LAY-IN. FACE SIZE: 48"X24", 24"X24", 24"X12", 20"X20", 16"X16", OR 12"X12" AS SHOWN ON PLANS. VERIFY FACE SIZE WITH ARCHITECT AND ENGINEER. CORE: REMOVABLE MAX NC: 25 DAMPER: NONE CONNECTION: ROUND OR RECTANGULAR OF SIZE SHOWN ON DRAWINGS. PROVIDE ADAPTER FITTINGS AS REQUIRED. APPLICATION: RETURN OR TRANSFER	
SWR1	TITUS 350	STYLE: LOUVERED FACE SIDEWALL GRILLE CONSTRUCTION: STEEL, HEAVY DUTY FINISH: POWDER COAT WITH COLOR SELECTED BY ARCHITECT MOUNTING: SURFACE MOUNT FACE SIZE: SEE PLANS. VERIFY FACE SIZE WITH ARCHITECT AND ENGINEER. CORE: REMOVABLE MAX NC: 25 DAMPER: NONE CONNECTION: RECTANGULAR OF SIZE SHOWN ON DRAWINGS. PROVIDE ADAPTER FITTINGS AS REQUIRED. APPLICATION: RETURN VALVE SPACES: 34" SPACING, 35 DEG DEFLECTION, SINGLE BLADE, BLADES PARALLEL TO FLOOR. MINIMUM FREE AREA: 50%	

TITLE	LEVEL 2 MECHANICAL HVAC PLAN
PROJECT	LCSC PA LAB
CLIENT	Lewis Clark State College

JOB NO:	240128
---------	--------



ISSUE DATE:	06.18.2025
REV DATE	COMMENT
1	11-21-25 Addendum #1
2	12-15-25 Bid RFI Clarifications



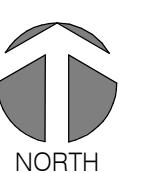
KNIT
knitstudios.com
THESE DOCUMENTS HAVE BEEN PRODUCED AS AN INSTRUMENT OF SERVICE AND ARE INTENDED SOLELY FOR THE PURPOSE OF DOCUMENTATION. OWNERSHIP OF THE INFORMATION CONTAINED IN THE DOCUMENTS REMAINS WITH THE ARCHITECT OR OWNER OF THE PROJECT. PROJECT RETAINS OWNERSHIP OF THESE DOCUMENTS. NO PART OF THESE DOCUMENTS MAY BE COPIED, REPRODUCED, OR USED IN WHOLE OR IN PART BY ANYONE OTHER THAN THE CONTRACTOR OR ARCHITECT, EXCEPT BY WRITTEN CONSENT OF KNIT.
REPRODUCTION OF THIS DOCUMENT IS STRICTLY PROHIBITED EXCEPT BY WRITTEN CONSENT OF KNIT.

RESOLUT
101 W Cataldo Ave, Suite 205, Spokane, WA 99201
(509) 919-3403
info@resolutgroup.com
Project #: 250146



ALTERNATE BID LEVEL 2 MECHANICAL HVAC PLAN

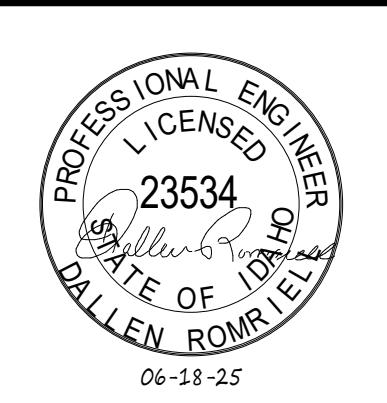
1/4" = 1'-0"



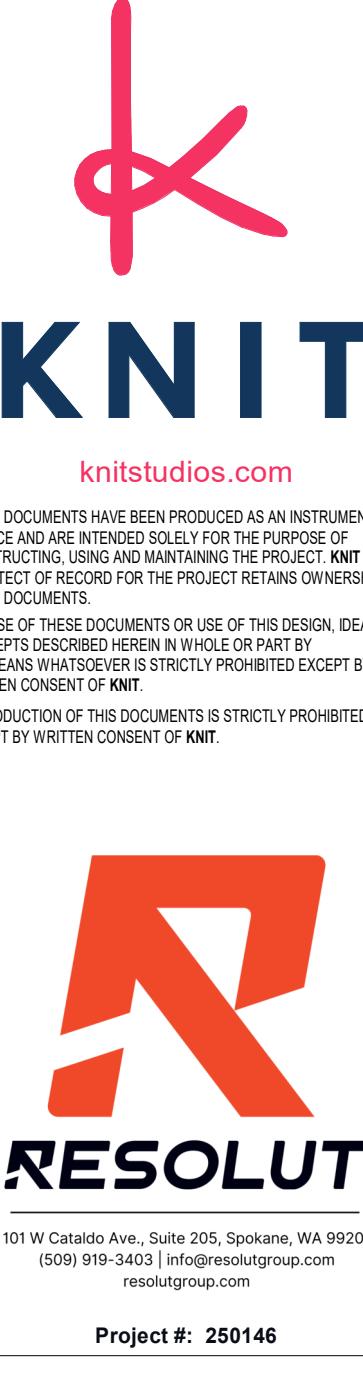
KEYNOTES	
1 EXISTING ELEMENTS SHOWN LIGHT TO REMAIN, TYPICAL.	

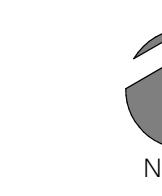
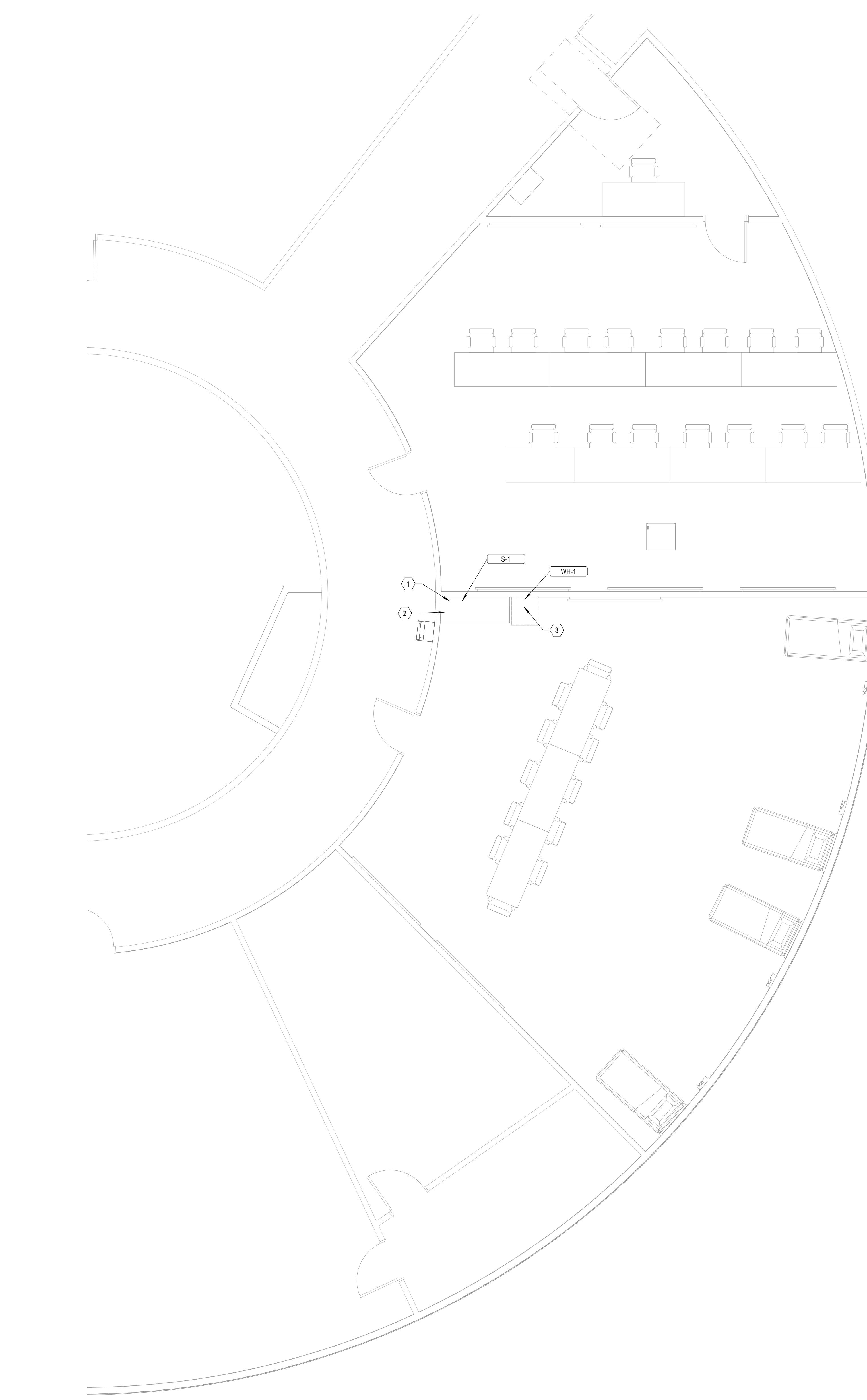
GRILLE, REGISTER, AND DIFFUSER PA LAB ALTERNATE SCHEDULE		
ID	MANUFACTURER AND MODEL	DESCRIPTION
CD1	TITUS OMNI	<p>STYLE: SQUARE PLAQUE FACE CEILING DIFFUSER CONSTRUCTION: STEEL FINISH: SELECTED BY ARCHITECT MOUNTING: SURFACE OR LAY-IN BASED ON CEILING TYPE. PROVIDE FRAME TYPE 1 FOR SURFACE MOUNT AND FRAME TYPE 3 FOR LAY-IN FACE SIZE: 24"X24", 20"X20", OR 12"X12". VERIFY FACE SIZE WITH ARCHITECT AND ENGINEER. CORE: REMOVABLE MAX: 1000 DAMPER: NONE CONNECTION: ROUND OR RECTANGULAR OF SIZE SHOWN ON DRAWINGS. PROVIDE ADAPTER FITTINGS AS REQUIRED APPLICATION: VARIABLE AIR VOLUME SUPPLY</p>
RG1	TITUS PAR	<p>STYLE: SQUARE PERFORATED FACE CEILING GRILLE CONSTRUCTION: STEEL FINISH: SELECTED BY ARCHITECT MOUNTING: SURFACE OR LAY-IN BASED ON CEILING TYPE. PROVIDE FRAME TYPE 1 FOR SURFACE MOUNT AND FRAME TYPE 3 FOR LAY-IN FACE SIZE: 48"X24", 24"X24", 24"X12", 20"X20", 16"X16", OR 12"X12" AS SHOWN ON PLANS. VERIFY FACE SIZE WITH ARCHITECT AND ENGINEER. MAX: NC25 DAMPER: NONE CONNECTION: ROUND OR RECTANGULAR OF SIZE SHOWN ON DRAWINGS. PROVIDE ADAPTER FITTINGS AS REQUIRED APPLICATION: RETURN OR TRANSFER MINIMUM FREE AREA: 50%</p>

ISSUE DATE: 06.18.2025
 REV DATE COMMENT
 1 11-21-25 Addendum #1
 2 12-15-25 Bid RFI Clarifications



ALTERNATE BID LEVEL 2 MECHANICAL HVAC PLAN
 LCSC PA LAB
 Project: Sam Glenn Complex 500 4th St Lewiston, ID 83501
 Client: Lewis Clark State College
 Job No: 240128
 M1.02





LEVEL 2 PLUMBING PLAN

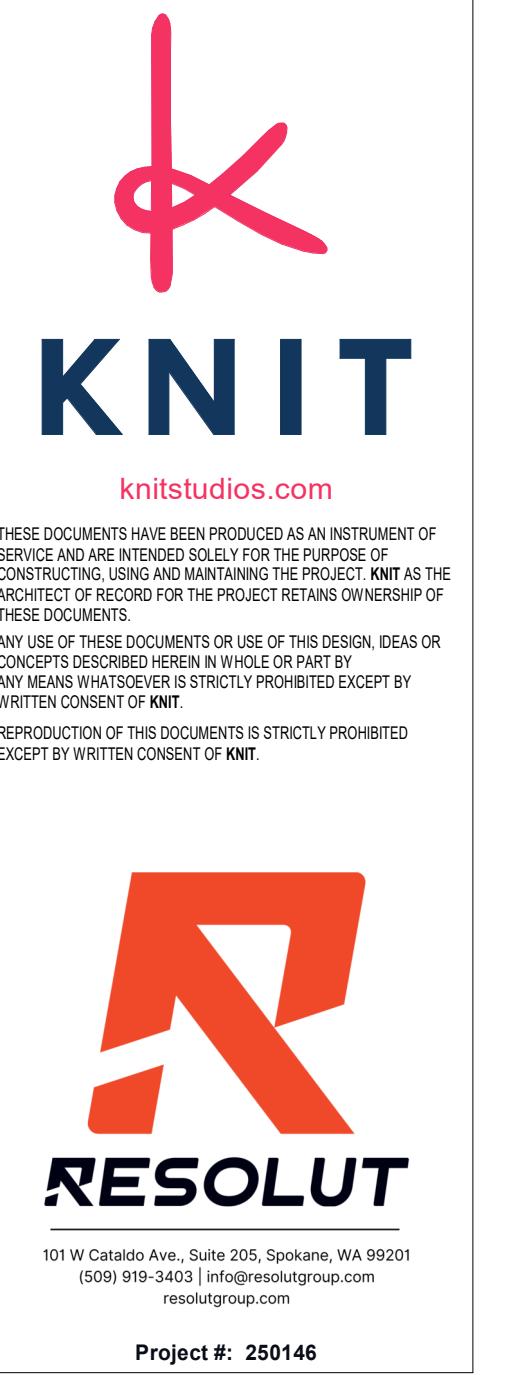
1/4" = 1'-0"

KEYNOTES		
1	CONNECT TO EXISTING DOWLINE FROM DRINKING FOUNTAIN.	
2	SAW CUT TO EXISTING WASTE FROM DRINKING FOUNTAIN.	
3	INSTALL EEMAX POINT OF USE WATER HEATER IN CABINET. INSTALL PER MANUFACTURER RECOMMENDATIONS.	

ELECTRIC WATER HEATER SCHEDULE							
ID	MANUFACTURER AND MODEL NUMBER	LOCATION	ELECTRICAL		PHYSICAL		
			TYPE	(WATTS)	V/PH	AMPS	TANK SIZE (GAL)
WH-1	EEMAX EMT6	PA LAB	POU TANK	1440	1201	12	6

PLUMBING FIXTURE SCHEDULE						
ID	FIXTURE	CW (IN)	HW (IN)	W (IN)	U (IN)	SPECIFICATION
S-1	SCRUB SINK	1/2	1/2	1 1/2	1 1/2	SCRUB SINK (STAINLESS STEEL, DUAL STATION) MAC MEDICAL MODEL S584-PB, TYPE 304 STAINLESS STEEL WITH KNEE OPERATIONS. PROVIDE WITH EYESWASH, BRASS P-TRAP, AND LOOSE KEY ANGLE STOPS. ALTERNATE MANUFACTURERS AND CONFIGURATIONS WILL BE CONSIDERED UPON PRIOR APPROVAL.

1. ALL UNDER GROUND WASTE AND VENT SHALL BE 2" OR GREATER PER DRAWINGS.



ISSUE DATE		
06.18.2025		
REV	DATE	COMMENT
TITLE	LEVEL 2 PLUMBING PLAN	
PROJECT	LCSC PA LAB	Sam Glenn Complex 500 4th St Lewiston, ID 83501
CLIENT	Lewis Clark State College	
JOB NO:	240128	
PAGE	P1.01	

MECHANICAL/PLUMBING EQUIPMENT CALLOUT
KITCHEN EQUIP. CALLOUT
KITCHEN EQUIP. CALLOUT OR AS NOTED BY ARCH.
LUMINAIRE TYPE
DIAGRAM/DETAIL CALLOUT
CONDUIT RUN CONCEALED IN WALL/CEILING
CONDUIT RUN CONCEALED IN GROUND/FLOOR
SURFACE RACEWAY/WIREMOLD
LOW VOLTAGE CONDUIT RUN
DEMOLITION
EXISTING
EQUIPMENT CONNECTION
HOME RUN TO PANEL
CONDUIT STUB
CONDUIT STUB DOWN
CONDUIT STUB UP
CONDUIT BREAK/CONTINUATION
FUSE
GROUND/GROUND ROD
CIRCUIT BREAKER
NOTES
(1) SEE LUMINAIRE SCHEDULE FOR FIXTURE TYPES AND DETAILS. (2) SEE LUMINAIRE SCHEDULE FOR MOUNTING REQUIREMENTS. (3) WIRE LIGHT FIXTURE FROM ADJACENT J-BOX. (4) CONNECT NEAREST UN-SWITCHED HOT CONDUCTOR TO EMERGENCY BALLAST. (5) DIRECTIONAL ARROWS INDICATE DESIRED DIRECTIONS. (6) CONDUIT PULL MARS INDICATE HEIGHT IN ARCHITECTURAL INTERIOR ELEVATIONS AND APPROVED MILLWORK SHOP DRAWINGS. (7) USE WITH POWER PACK. (8) "X" SYMBOL INDICATES RECEPTACLE ALONG WIREWAY. SEE DRAWINGS. (9) PROVIDE LISTING DEVICE COMPATIBLE WITH THE FIRE ALARM PANEL/SYSTEM. (10) MATCH THE VOLTAGE OF THE RELAY WITH THAT OF THE CONTROLLING CIRCUIT. (11) USE A 4" X 4" BOX WITH A MUD RING TO MATCH THE DEVICE AND INSTALLATION. (12) PROVIDE MUD RING AND/OR BOX COVER APPROPRIATE FOR DEVICES/FIXTURE SERVED. (13) USE A 4" X 4" BOX. (14) SIZE TO THE EQUIPMENT BEING CONTROLLED. (15) FIRE ALARM PANELS: FACP: FIRE ALARM CONTROL PANEL, NAC: NOTIFICATION APPLIANCE CIRCUIT PANEL, ANNUN: GRAPHIC ANNUNCIATOR PANEL, AND SES: SMOKE EVACUATION SYSTEM PANEL. (16) LIGHT FIXTURES ARE SCALED WITHIN THE DRAWINGS BASED ON ACTUAL DIMENSIONS.

FIRE ALARM SYMBOL SCHEDULE			
SYMBOL	DEVICE/FIXTURE DESCRIPTION	MOUNTING	COMMENTS
SMOKE DETECTOR	CEILING	(9) (11)	
LUMINAIRE	CEILING	(9)	
DIAGRAM/DETAIL	CEILING	(9) (11)	
CONDUIT RUN CONCEALED IN WALL/CEILING	CEILING	(9)	
CONDUIT RUN CONCEALED IN GROUND/FLOOR	CEILING	(9) (11)	
SURFACE RACEWAY/WIREMOLD	CEILING	(9)	
LOW VOLTAGE CONDUIT RUN	CEILING	(9) (11)	
DEMOLITION	CEILING	(9)	
EXISTING	CEILING	(9)	
EQUIPMENT CONNECTION	CEILING	(9) (11)	
HOME RUN TO PANEL	CEILING	(9)	
CONDUIT STUB	CEILING	(9)	
CONDUIT STUB DOWN	CEILING	(9)	
CONDUIT STUB UP	CEILING	(9)	
CONDUIT BREAK/CONTINUATION	CEILING	(9)	
FUSE	CEILING	(9)	
GROUND/GROUND ROD	CEILING	(9)	
CIRCUIT BREAKER	CEILING	(9)	
NOTES			
(1) SEE LUMINAIRE SCHEDULE FOR FIXTURE TYPES AND DETAILS. (2) SEE LUMINAIRE SCHEDULE FOR MOUNTING REQUIREMENTS. (3) WIRE LIGHT FIXTURE FROM ADJACENT J-BOX. (4) CONNECT NEAREST UN-SWITCHED HOT CONDUCTOR TO EMERGENCY BALLAST. (5) DIRECTIONAL ARROWS INDICATE DESIRED DIRECTIONS. (6) CONDUIT PULL MARS INDICATE HEIGHT IN ARCHITECTURAL INTERIOR ELEVATIONS AND APPROVED MILLWORK SHOP DRAWINGS. (7) USE WITH POWER PACK. (8) "X" SYMBOL INDICATES RECEPTACLE ALONG WIREWAY. SEE DRAWINGS. (9) PROVIDE LISTING DEVICE COMPATIBLE WITH THE FIRE ALARM PANEL/SYSTEM. (10) MATCH THE VOLTAGE OF THE RELAY WITH THAT OF THE CONTROLLING CIRCUIT. (11) USE A 4" X 4" BOX WITH A MUD RING TO MATCH THE DEVICE AND INSTALLATION. (12) PROVIDE MUD RING AND/OR BOX COVER APPROPRIATE FOR DEVICES/FIXTURE SERVED. (13) USE A 4" X 4" BOX. (14) SIZE TO THE EQUIPMENT BEING CONTROLLED. (15) FIRE ALARM PANELS: FACP: FIRE ALARM CONTROL PANEL, NAC: NOTIFICATION APPLIANCE CIRCUIT PANEL, ANNUN: GRAPHIC ANNUNCIATOR PANEL, AND SES: SMOKE EVACUATION SYSTEM PANEL. (16) LIGHT FIXTURES ARE SCALED WITHIN THE DRAWINGS BASED ON ACTUAL DIMENSIONS.			

ELECTRICAL SYMBOL SCHEDULE			
SYMBOL	DEVICE/FIXTURE DESCRIPTION	MOUNTING	COMMENTS
SMOKE DETECTOR	CEILING	(9) (11)	
LUMINAIRE	CEILING	(9)	
DIAGRAM/DETAIL	CEILING	(9) (11)	
CONDUIT RUN CONCEALED IN WALL/CEILING	CEILING	(9)	
CONDUIT RUN CONCEALED IN GROUND/FLOOR	CEILING	(9) (11)	
SURFACE RACEWAY/WIREMOLD	CEILING	(9)	
LOW VOLTAGE CONDUIT RUN	CEILING	(9) (11)	
DEMOLITION	CEILING	(9)	
EXISTING	CEILING	(9)	
EQUIPMENT CONNECTION	CEILING	(9) (11)	
HOME RUN TO PANEL	CEILING	(9)	
CONDUIT STUB	CEILING	(9)	
CONDUIT STUB DOWN	CEILING	(9)	
CONDUIT STUB UP	CEILING	(9)	
CONDUIT BREAK/CONTINUATION	CEILING	(9)	
FUSE	CEILING	(9)	
GROUND/GROUND ROD	CEILING	(9)	
CIRCUIT BREAKER	CEILING	(9)	
NOTES			
(1) SEE LUMINAIRE SCHEDULE FOR FIXTURE TYPES AND DETAILS. (2) SEE LUMINAIRE SCHEDULE FOR MOUNTING REQUIREMENTS. (3) WIRE LIGHT FIXTURE FROM ADJACENT J-BOX. (4) CONNECT NEAREST UN-SWITCHED HOT CONDUCTOR TO EMERGENCY BALLAST. (5) DIRECTIONAL ARROWS INDICATE DESIRED DIRECTIONS. (6) CONDUIT PULL MARS INDICATE HEIGHT IN ARCHITECTURAL INTERIOR ELEVATIONS AND APPROVED MILLWORK SHOP DRAWINGS. (7) USE WITH POWER PACK. (8) "X" SYMBOL INDICATES RECEPTACLE ALONG WIREWAY. SEE DRAWINGS. (9) PROVIDE LISTING DEVICE COMPATIBLE WITH THE FIRE ALARM PANEL/SYSTEM. (10) MATCH THE VOLTAGE OF THE RELAY WITH THAT OF THE CONTROLLING CIRCUIT. (11) USE A 4" X 4" BOX WITH A MUD RING TO MATCH THE DEVICE AND INSTALLATION. (12) PROVIDE MUD RING AND/OR BOX COVER APPROPRIATE FOR DEVICES/FIXTURE SERVED. (13) USE A 4" X 4" BOX. (14) SIZE TO THE EQUIPMENT BEING CONTROLLED. (15) FIRE ALARM PANELS: FACP: FIRE ALARM CONTROL PANEL, NAC: NOTIFICATION APPLIANCE CIRCUIT PANEL, ANNUN: GRAPHIC ANNUNCIATOR PANEL, AND SES: SMOKE EVACUATION SYSTEM PANEL. (16) LIGHT FIXTURES ARE SCALED WITHIN THE DRAWINGS BASED ON ACTUAL DIMENSIONS.			

LIGHTING SYMBOL SCHEDULE			
SYMBOL	DEVICE/FIXTURE DESCRIPTION	MOUNTING	COMMENTS
2x4 LINEAR LIGHT FIXTURE	CEILING	(1) (2) (3) (16)	
2x4 LINEAR EMERGENCY LIGHT FIXTURE	CEILING	(1) (2) (3) (16)	
2x4 LINEAR CRITICAL LIGHT FIXTURE	CEILING	(1) (2) (3) (16)	
2x2 LINEAR LIGHT FIXTURE	CEILING	(1) (2) (3) (16)	
2x2 LINEAR EMERGENCY LIGHT FIXTURE	CEILING	(1) (2) (3) (16)	
2x2 LINEAR CRITICAL LIGHT FIXTURE	CEILING	(1) (2) (3) (16)	
RECESSED LIGHT FIXTURE	CEILING	(1) (3)	
RECESSED EMERGENCY LIGHT FIXTURE	CEILING	(1) (3)	
RECESSED WALL WASH LIGHT FIXTURE	CEILING	(1) (3)	
CEILING LIGHT FIXTURE	CEILING	(1) (2)	
PENDANT/CHANDELIER LIGHT FIXTURE	SUSPENDED	(1) (2) (3)	
WALL LIGHT FIXTURE, SURFACE	AS NOTED	(1) (2)	
WALL LIGHT FIXTURE, RECESSED	AS NOTED	(1) (2)	
TRACK LIGHT FIXTURE WITH TRACK	CEILING	(1) (2) (3)	
CEILING FAN	SUSPENDED		
FLOOD/LANDSCAPE/MONUMENT LIGHT FIXTURE	GROUND	(1) (2) (3)	
AREA LIGHT FIXTURE	POLE	(1) (2)	
BOLLARD LIGHT	GROUND		
BOLLARD LIGHT, POLE TOP AREA LIGHT	POLE	(1) (2)	
EXIT SIGN, WALL, ARROW INDICATES DIRECTION	7'-6"	(1) (2) (4) (5)	
EXIT SIGN, ARROW INDICATES DIRECTION	CEILING	(1) (4) (5)	
EMERGENCY LIGHT FIXTURE, WALL	7'-6"	(1) (2)	
PHOTO-ELECTRIC CELL	AS NOTED		
POWER PACK	CEILING		
SLAVE PACK	CEILING		
MINI POWER PACK	CEILING		
ROOM CONTROLLER	CEILING		
EMERGENCY CONTROL UNIT	CEILING		
DUAL TECHNOLOGY VACANCY SENSOR	CEILING	(7)	
DUAL TECHNOLOGY VAC. SENSOR, WALL	AS NOTED	(7)	
DUAL TECHNOLOGY VAC. SENSOR SWITCH, 1-BUTTON	4'-0"	(7)	
DUAL TECHNOLOGY VAC. SENSOR SWITCH WITH DIMMER, 1-BUTTON	4'-0"	(7)	
DUAL TECHNOLOGY VAC. SENSOR SWITCH, 2-BUTTON	4'-0"	(7)	
DAYLIGHT SENSOR	CEILING		
PASSIVE INFRARED SENSOR	CEILING		
SINGLE POLE SWITCH	4'-0"		
DOUBLE POLE, SINGLE THROW SWITCH	4'-0"		
THREE WAY SWITCH	4'-0"		
THREE WAY SWITCH ATTRIBUTE FIXTURE	4'-0"		
FOUR WAY SWITCH	4'-0"		
DUAL LEVEL SWITCH BANK	4'-0"		
DIMMER SWITCH	4'-0"		
LOW VOLTAGE SWITCH	4'-0"		
KEYED SWITCH, SINGLE POLE	4'-0"	(15)	
7-DAY TIMER SWITCH, SINGLE POLE	4'-0"	(15)	
TOUCH PANEL	4'-0"		
TIME CLOCK	AS NOTED		
LIGHTING CONTROL PANEL, SURFACE	6'-6" TO TOP		
LIGHTING CONTROL PANEL, RECESSED	6'-6" TO TOP		

TELECOMMUNICATION SYMBOL SCHEDULE			
SYMBOL	DEVICE/FIXTURE DESCRIPTION	MOUNTING	COMMENTS
TELEPHONE OUTLET, SINGLE PORT		18"	
TELEPHONE OUTLET, CUSTOM HEIGHT		(6)	
DATA OUTLET, DUAL PORT		18"	
DATA OUTLET, CUSTOM HEIGHT		(6)	
DUAL DATA AND SINGLE TELEPHONE PORT		18"	
DUAL DATA AND SINGLE TELEPHONE PORT, CUSTOM HEIGHT		(6)	
DATA OUTLET, ATTRIBUTE SIGNIFIES PORT QUANTITY		18"	
TELEPHONE OUTLET, SINGLE PORT, FLOOR MOUNTED		FLOOR	
DATA OUTLET, DUAL PORT, FLOOR MOUNTED		FLOOR	
TELEVISION OUTLET	AS NOTED	(6) (11)	
CEILING WI-FI ACCESS POINT	CEILING		
MAIN TELEPHONE BOARD		6'-6" TO TOP	
MAIN DISTRIBUTION FRAME		6'-6" TO TOP	
INTERMEDIATE DISTRIBUTION FRAME		6'-6" TO TOP	

GENERAL NOTES			
1. THE ELECTRICAL SYSTEMS DEFINED BY THESE PLANS AND SPECIFICATIONS ARE TO BE CONSTRUCTED AS COMPLETE AND OPERABLE SYSTEMS AND SHALL BE BID WITH THIS INTENT. THE CONTRACTOR SHALL VISIT THE SITE, READ ALL THE RELEVANT DOCUMENTS AND BECOME FAMILIAR WITH THE TYPE OF CONSTRUCTION AND WORK TO BE ACCOMPLISHED. SHOULD ANY ERROR, OMISSION OR CONFLICT EXIST IN EITHER THE PLANS OR THE CONTRACTOR'S CONTRACT, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OR ENGINEER IN WRITING BEFORE SUBMITTING HIS BID PRICE SO A CHANGE CAN BE ISSUED IN A PRE-BID ADDENDUM. OTHERWISE, THE CONTRACTOR AND/OR EQUIPMENT SUPPLIER SHALL SUPPORT THE OTHER MATERIALS AND LABOR TO INTEGRATE, COMPLETE AND OPERABLE SYSTEMS AT THEIR EXPENSE. THE CONTRACTOR SHALL TEST AND CONFIRM ITS PROPER OPERATION, ANY INCOMPLETE SYSTEM SHALL BE MADE COMPLETE AND OPERABLE.			
2. THE ARCHITECT AND MECHANICAL PLANS ARE CONSIDERED A PART OF THE ELECTRICAL CONTRACTOR'S CONTRACT AS AN EQUIPMENT ITEM. THEY MAY CONTAIN THE ELECTRICAL CONTRACTOR SHALL REFER TO AND COORDINATE WITH THE CONTRACT DOCUMENTS WITH OTHER TRADES AND CONTRACTORS. CONTRACTOR EXPENSES ARE NOT ALLOWED FOR FAILURE TO COORDINATE THE CONTRACT DOCUMENTS WITH OTHER TRADES AND CONTRACTORS.			
3. NO ADDITIONS TO THE CONTRACTOR'S BID WILL BE ALLOWED FOR CHANGES MADE NECESSARY BY INTERFERENCE WITH OTHER WORK.			
4. THE ELECTRICAL CONTRACTOR SHALL PROVIDE EQUIPMENT, MATERIALS AND LABOR FOR THE EXHAUSTIVE LIST OF EQUIPMENT SHOWN ON THE PLANS - ARCHITECTURAL, MECHANICAL, ETC.			
5. THIS PROJECT IS TO BE INSTALLED IN STRICT ACCORDANCE WITH LOCAL AND STATE CODES AND THE NECESSARY PERMITTING. IF AT ANY TIME DURING CONSTRUCTION OR AFTER, SOMETHING IS NOT IN ACCORDANCE WITH THE CODES LISTED ABOVE, IT SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.			
6. ALL EQUIPMENT PROVIDED BY THE ELECTRICAL CONTRACTOR SHALL BE LISTED AND LABELED BY A NATIONALLY RECOGNIZED TESTING AGENCY, ACCEPTABLE TO THE CONTRACTOR. EQUIPMENT PROVIDED BY THE CONTRACTOR SHALL BE LISTED AND LABELED AS NECESSARY.			
7. THE ELECTRICAL CONTRACTOR SHALL COORDINATE AND CONFIRM THE EXACT LOCATION OF THE POWER PANELS FROM WHICH NEW CIRCUITS ARE BEING DRAWN FROM. THE CONTRACTOR SHALL PROVIDE NEW CIRCUITS AS NECESSARY. NEW CIRCUITS SHALL BE LISTED AND LABELED AS COMPLETE AND OPERABLE SYSTEMS.			
8. THE ELECTRICAL CONTRACTOR SHALL COORDINATE AND CONFIRM THE EXACT LOCATION OF THE TELE/DATA ROOM FROM WHICH NEW TELE/DATA OUTLETS WILL BE PROVIDED. THE CONTRACTOR SHALL PROVIDE NEW CIRCUITS AND PROVIDE NEW PATCH PANELS AS NECESSARY TO ALLOW ALL NEW TELE/DATA CABLING.			
9. THE ELECTRICAL CONTRACTOR SHALL INSTALL A SEPARATE EQUIPMENT GROUNDING CONDUCTOR IN EACH CONDUIT RUN. CONDUIT SHALL NOT BE USED AS AN EQUIPMENT GROUND CONDUCTOR. THE CONTRACTOR SHALL PROVIDE A SEPARATE GROUND CONDUCTOR IN ACCORDANCE WITH LOCAL AND NATIONAL CODES.</			

ELECTRICAL SPECIFICATIONS	
FIRE ALARM	
3.1 EXAMINATION	A. EXAMINE AREAS AND CONDITIONS FOR COMPLIANCE WITH REQUIREMENTS FOR VENTILATION, TEMPERATURE, HUMIDITY, AND OTHER CONDITIONS AFFECTING PERFORMANCE OF THE WORK.
	1. VERIFY THAT MANUFACTURER'S WRITTEN INSTRUCTIONS FOR ENVIRONMENTAL CONDITIONS HAVE BEEN PERMANENTLY ESTABLISHED IN SPACES WHERE EQUIPMENT AND WIRING ARE INSTALLED, BEFORE INSTALLATION BEGINS.
B. EXAMINE ROUGHING-IN FOR ELECTRICAL CONNECTIONS TO VERIFY ACTUAL LOCATIONS OF CONNECTIONS BEFORE RE-INSTALLATION.	2. PROVIDE DRAFTING INFORMATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
3.2 EQUIPMENT INSTALLATION	A. COMPLY WITH NFPA 72, NFPA 101, AND REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION FOR INSTALLATION AND TESTING OF FIRE-ALARM EQUIPMENT. INSTALL ALL ELECTRICAL WIRING TO COMPLY WITH REQUIREMENTS IN NFPA 72 INCLUDING, BUT NOT LIMITED TO, ARTICLE 760, "FIRE ALARM SYSTEMS."
	1. DEVICES PLACED IN SERVICE BEFORE ALL OTHER TRADES HAVE COMPLETED CLEANUP SHALL BE REPLACED.
	2. DEVICES INSTALLED BUT NOT YET PLACED IN SERVICE SHALL BE PROTECTED FROM CONSTRUCTION DUST, DEBRIS, DIRT, MOISTURE, AND DAMAGE ACCORDING TO MANUFACTURER'S WRITTEN STORAGE INSTRUCTIONS.
B. CONNECTING TO EXISTING EQUIPMENT: VERIFY THAT EXISTING FIRE-ALARM SYSTEM IS OPERATIONAL BEFORE MAKING CHANGES OR CONNECTIONS.	1. CONNECT NEW EQUIPMENT TO EXISTING CONTROL PANEL IN EXISTING PART OF THE BUILDING.
	2. CONNECT NEW EQUIPMENT TO EXISTING MONITORING EQUIPMENT AT THE SUPERVISING STATION.
	3. EXPAND, MODIFY, AND SUPPLEMENT EXISTING [CONTROL] MONITORING EQUIPMENT AS NECESSARY TO EXTEND EXISTING [CONTROL] MONITORING FUNCTIONS TO THE NEW POINTS. NEW EQUIPMENT SHALL BE CAPABLE OF MERGING WITH EXISTING CONFIGURATION WITHOUT DEGRADING THE PERFORMANCE OF EITHER SYSTEM.
C. INSTALL WALL-MOUNTED EQUIPMENT, WITH TOPS OF CABINETS NOT MORE THAN 78 INCHES ABOVE THE FINISHED FLOOR.	1. COMPLY WITH REQUIREMENTS FOR SEISMIC-RESTRAINT DEVICES SPECIFIED IN SECTION 26054.16 "SEISMIC CONTROLS FOR ELECTRICAL SYSTEMS."
D. MANUAL FIRE-ALARM BOXES	1. INSTALL MANUAL FIRE-ALARM BOX IN THE NORMAL PATH OF EGRESS WITHIN 60 INCHES OF THE EXIT DOORWAY.
	2. MOUNT MANUAL FIRE-ALARM BOX ON A BACKGROUND OF A CONTRASTING COLOR.
	3. THE OPERABLE PART OF MANUAL FIRE-ALARM BOX SHALL BE BETWEEN 42 INCHES AND 48 INCHES ABOVE FLOOR LEVEL. ALL DEVICES SHALL BE MOUNTED AT THE SAME HEIGHT UNLESS OTHERWISE INDICATED.
E. SMOKE-OR HEAT-DETECTOR SPACING	1. COMPLY WITH THE "SMOKE-SENSING FIRE DETECTORS" SECTION IN THE "INITIATING DEVICES" CHAPTER IN NFPA 72, FOR SMOKE-DETECTOR SPACING.
	2. COMPLY WITH THE HEAT-DETECTOR SPACING SECTION IN THE "INITIATING DEVICES" CHAPTER IN NFPA 72, FOR HEAT-DETECTOR SPACING.
	3. SMOOTH CEILING SPACING SHALL NOT EXCEED 30 FEET.
	4. SPACING OF DETECTORS FOR IRREGULAR CEILING CONSTRUCTION, AND FOR HIGH CEILING AREAS SHALL BE DETERMINED ACCORDING TO ANNEX A IN NFPA 72.
	5. HVAC LOCATE DETECTORS NOT CLOSER THAN 38 INCHES FROM AIR-SUPPLY DIFFUSER OR RETURN-AIR OPENING.
	6. LIGHTING FIXTURES: LOCATE DETECTORS NOT CLOSER THAN 12 INCHES FROM ANY PART OF A LIGHTING FIXTURE AND NOT DIRECTLY ABOVE PENDANT MOUNTED OR INDIRECT LIGHTING.
F. INSTALL A COVER ON EACH SMOKE DETECTOR THAT IS NOT PLACED IN SERVICE DURING CONSTRUCTION. COVER SHALL REMAIN IN PLACE EXCEPT DURING SYSTEM TESTING. REMOVE COVER PRIOR TO SYSTEM TURNOVER.	1. DO NOT INSTALL SMOKE DETECTOR IN DUCT SMOKE-DETECTOR HOUSING DURING CONSTRUCTION. INSTALL DETECTOR ONLY DURING SYSTEM TESTING AND PRIOR TO SYSTEM TURNOVER.
G. DUCT SMOKE DETECTORS: COMPLY WITH NFPA 72 AND NFPA 90A. INSTALL SAMPLING TUBES SO THEY EXTEND THE FULL WIDTH OF DUCT. TUBES MORE THAN 36 INCHES LONG SHALL BE SUPPORTED AT BOTH ENDS.	1. UPGRADE NOTICE: AT LEAST 30 DAYS TO ALLOW OWNER TO SCHEDULE ACCESS TO SYSTEM AND TO UPGRADE COMPUTER EQUIPMENT IF NECESSARY.
H. AIR-SAMPLING SMOKE DETECTORS: IF USING MULTIPLE PIPE RUNS, THE RUNS SHALL BE PNEUMATICALLY BALANCED.	3.10 DEMONSTRATION
I. ELEVATOR SHAFTS: COORDINATE TEMPERATURE RATING AND LOCATION WITH SPRINKLER RATING AND LOCATION.	A. TRAIN OWNER'S MAINTENANCE PERSONNEL TO ADJUST, OPERATE, AND MAINTAIN FIRE-ALARM SYSTEM.
J. SINGLE-STATION SMOKE DETECTORS: WHERE MORE THAN ONE SMOKE ALARM IS INSTALLED WITHIN A DWELLING OR SUITE, THEY SHALL BE CONNECTED SO THAT THE OPERATION OF ANY SMOKE ALARM CAUSES THE ALARM IN ALL SMOKE ALARMS TO SOUND.	
K. REMOTE STATUS AND ALARM INDICATORS: INSTALL IN A VISIBLE LOCATION NEAR EACH SMOKE DETECTOR, SPRINKLER WATER-FLOW SWITCH, AND VALVE-TAMPER SWITCH THAT IS NOT READILY VISIBLE FROM NORMAL VIEWING POSITION.	
L. AUDIBLE ALARM-INDICATING DEVICES: INSTALL NOT LESS THAN 6 INCHES BELOW THE CEILING. INSTALL BELLS AND HONKS ON FLUSH-MOUNTED BACK BOXES WITH THE DEVICE-OPERATING MECHANISM CONCEALED BEHIND A GRILLE. INSTALL ALL DEVICES AT THE SAME HEIGHT UNLESS OTHERWISE INDICATED.	
M. VISIBLE ALARM-INDICATING DEVICES: INSTALL ADJACENT TO EACH ALARM BELL OR ALARM HORN AND AT LEAST 12 INCHES BELOW THE CEILING. INSTALL ALL DEVICES AT THE SAME HEIGHT UNLESS OTHERWISE INDICATED.	
N. DEVICE LOCATION-INDICATING LIGHTS: LOCATE IN PUBLIC SPACE NEAR THE DEVICE THEY MONITOR.	
O. ANTENNA FOR RADAR ALARM TRANSMITTER: MOUNT TO BUILDING STRUCTURE WHERE INDICATED. USE MOUNTING ARRANGEMENT AND SUBSTRATE CONNECTION THAT RESISTS [100-MPH (160-KMH)] <INSERT VALUE> WIND LOAD WITH A GUST FACTOR OF 1.3 WITHOUT DAMAGE.	
P. CONDUCTORS: PROVIDE MINIMUM #14 AWG COPPER CONDUCTORS. SHIELDED AND/OR STRANDED CONDUCTORS SHALL BE PROVIDED BY THE MANUFACTURER'S INSTRUCTIONS.	
Q. OVERCURRENT PROTECTION DEVICE: CIRCUIT BREAKERS FEEDING THE FIRE ALARM CONTROL PANEL OR OTHER FIRE-ALARM SYSTEM DEVICES SHALL BE PAINTED RED AND SHALL BE LABELED " FIRE ALARM SYSTEM - DO NOT TURN OFF."	
R. PATHWAYS	1. PATHWAYS SHALL BE INSTALLED IN EMT. MINIMUM SIZE SHALL BE $\frac{3}{4}$ ".
S. EXPOSED EMT AND JUNCTION BOXES SHALL BE PAINTED RED ENAMEL.	2. EXPOSED EMT AND JUNCTION BOXES SHALL BE PAINTED RED ENAMEL.
T. CONNECTIONS	3.4 CONNECTIONS
A. FOR FIRE-PROTECTION SYSTEMS RELATED TO DOORS IN FIRE-RATED WALLS AND PARTITIONS AND TO DOORS IN STAIRCASES, COMPLY WITH REQUIREMENTS IN SECTION 087100 "DOOR HARDWARE." CONNECT HARDWARE AND DATA CABLES TO FIRE-ALARM SYSTEM.	1. VERIFY THAT HARDWARE AND DEVICES ARE LISTED FOR USE WITH INSTALLED FIRE-ALARM SYSTEM BEFORE MAKING CONNECTIONS.
B. MAKE ADDRESSABLE CONNECTIONS WITH A SUPERVISED INTERFACE DEVICE TO THE FOLLOWING DEVICES AND SYSTEMS. INSTALL THE INTERFACE DEVICE LESS THAN 36 INCHES FROM THE DEVICE CONTROLLED. MAKE AN ADDRESSABLE CONFIRMATION CONNECTION WHEN SUCH FEEDBACK IS AVAILABLE AT THE DEVICE OR SYSTEM BEING CONTROLLED.	1. ALARM-INITIATING CONNECTION TO SMOKE-CONTROL SYSTEM (SMOKE MANAGEMENT) AT FIREFIGHTERS' SMOKE-CONTROL SYSTEM PANEL.
	2. ALARM-INITIATING CONNECTION TO STAIRWELL AND ELEVATOR-SHAFT PRESSURIZATION SYSTEMS.
	3. SMOKE DAMPERS IN AIR DUCTS OF DESIGNATED HVAC DUCT SYSTEMS.
	4. MAGNETICALLY HELD-OPEN DOORS.
	5. ELECTRONICALLY LOCKED DOORS AND ACCESS GATES.
	6. ALARM-INITIATING CONNECTION TO ELEVATOR RECALL SYSTEM AND COMPONENTS.
	7. SUPERVISORY CONNECTION TO ACTIVATE EMERGENCY SHUTOFFS FOR GAS AND FUEL SUPPLIES.
	8. SUPERVISORY CONNECTIONS AT LOW-AIR-PRESSURE SWITCH OF EACH DRY-PIPE SPRINKLER SYSTEM.
	10. SUPERVISORY CONNECTIONS AT ELEVATOR SHUNT-TRIP BREAKER.
	11. DATA COMMUNICATION CIRCUITS FOR CONNECTION TO MASS NOTIFICATION SYSTEM.
	12. SUPERVISORY CONNECTIONS AT FIRE-EXTINGUISHER LOCATIONS.
	13. SUPERVISORY CONNECTIONS AT FIRE-PUMP POWER FAILURE INCLUDING A DEAD-PHASE OR PHASE-REVERSAL CONDITION.
	14. SUPERVISORY CONNECTIONS AT FIRE-PUMP ENGINE CONTROL PANEL.
E. IDENTIFICATION	A. IDENTIFY SYSTEM COMPONENTS, WIRING, CABLING, AND TERMINALS. COMPLY WITH REQUIREMENTS FOR IDENTIFICATION SPECIFIED IN SECTION 26 0553 "IDENTIFICATION FOR ELECTRICAL SYSTEMS."
F. INSTALL FRAMED INSTRUCTIONS IN A LOCATION VISIBLE FROM FIRE-ALARM CONTROL UNIT.	B. INSTALL FRAMED INSTRUCTIONS IN A LOCATION VISIBLE FROM FIRE-ALARM CONTROL UNIT.
G. GROUNDS	3.6 GROUNDS
	A. GROUND FIRE-ALARM CONTROL UNIT AND ASSOCIATED CIRCUITS; COMPLY WITH IEEE 1100. INSTALL A GROUND WIRE FROM MAIN SERVICE GROUND TO FIRE-ALARM CONTROL UNIT.
	B. GROUND SHIELDED CABLES AT THE CONTROL PANEL LOCATION ONLY. INSULATE SHIELD AT DEVICE LOCATION.

ELECTRICAL SPECIFICATIONS	
MATERIALS	
A. GENERAL	1. MATERIALS AND EQUIPMENT SHALL BE STANDARD CATALOGED PRODUCTS OF MANUFACTURERS REGULARLY ENGAGED IN THE MANUFACTURE OF THE PRODUCT, UL LISTED, AND SHALL BE THE LATEST STANDARD DESIGN THAT CONFORMS TO SPECIFIED MATERIALS AND EQUIPMENT.
B. RACEWAY	1. ELECTRICAL METALLIC TUBING (EMT) SHALL BE USED IN INTERIOR DRY LOCATIONS.
	2. GALVANIZED FLEXIBLE STEEL (FMC) OR LIQUID TIGHT FLEXIBLE (LFCM) CONDUIT SHALL BE USED FOR CONNECTIONS TO MECHANICAL EQUIPMENT, LUMINAIRES AND TRANSFORMERS AND AS INDICATED. LIQUID TIGHT CONDUIT SHALL BE USED IN EXTERIOR OR DAMP LOCATIONS.
	3. SCHEDULE 40 PVC (WITH PVC COATING OR VINYL TAPE) DOUBLE WRAPPED RIGID STEEL ELBOWS AND RISERS SHALL BE USED FOR PIPES THAT ARE IN CONTACT WITH THE EARTH.
	4. 3/4" CONDUIT SHALL BE THE MINIMUM SIZE CONDUIT.
	5. OUTDOOR AND WET OR DAMP LOCATIONS: PROVIDE RIGID STEEL CONDUIT.
C. FITTINGS	1. ALL FITTINGS SHALL BE STEEL/MALLEABLE IRON WITH INSULATING BUSHINGS.
D. OUTLET AND JUNCTION BOXES	1. BOXES IN INTERIOR DRY LOCATIONS SHALL BE GALVANIZED ONE-PIECE PRESSED STEEL, KNOCKOUT TYPE, NOT LESS THAN 4 INCHES SQUARE AND 2 1/8" DEEP. APPLETON, RACO, OR EQUAL.
	2. BOXES SHALL BE EQUIPPED WITH PLASTER RINGS, EXTENSION RINGS, AND FIXTURE STUDS AS REQUIRED.
	3. BOXES FOR FLOOR OUTLETS SHALL BE UL LISTED FOR USE IN APPLICATION:
	a. POURED IN PLACE CONCRETE BOXES SHALL BE LEGRAND RPP TYPE OR APPROVED EQUAL. BOXES SHALL CONTAIN POWER DATA OR GND, AS CALLED FOR IN THE PLANS. ACQUISITION COVER, RIGID CONDUIT OPENING, AND FLAT TO REDUCE CRIMPING HAZARDS. SPRING-LOADED SELF-CLOSING SLIDE CABLE FLOOR SERVICE DOORS TO REDUCE EGRESS OPENING WHEN CABLES ARE EXPOSED TO EGRESS TRIP HAZARDS. FLANGELESS FOR TILE APPLICATION. COLOR SHALL BE AS BUILT.
	b. POKE THRU ASSEMBLY FLOOR DEVICES BOXES SHALL BE FACTORY-FABRICATED AND WIRED ASSEMBLY OF BELOW-FLOOR JUNCTION BOX WITH MULTICHANNELED, THROUGH-FLOOR RACEWAY/FIRESTOP UND. AND DETACHABLE MATCHING FLOOR SERVICE-OUTLET ASSEMBLY. SERVICE-OUTLET ASSEMBLY- RECESSED TYPE WITH TWO SIMPLEX RECEPTACLES AND SPACE FOR TWO RJ-45 JACKS COMPLYING WITH REQUIREMENTS IN SECTION 27 150 "COMMUNICATIONS HORIZONTAL CABLING." SIZE: SELECTED TO FIT. MINIMUM NOMINAL 4-INCH CORED HOLES IN FLOOR ARE MATCHED TO FLOOR THICKNESS. UNIT IS LISTED AND LABELED FOR FIRE RATING OF FLOOR-CEILING ASSEMBLY. WIRING RACEWAYS AND COMPARTMENTS: FOR A MINIMUM OF FOUR NO. 12 AWG CONDUCTORS AND A MINIMUM OF FOUR, FOUR-PAIR CABLES. COVER SHALL BE FLANGED OR FLANGELESS TO MATCH FLOORING TYPE. COVER COLOR SHALL BE AS BUILT.
	4. PROVIDE FLUSH MOUNTING OUTLET BOX IN FINISHED AREAS.
	5. BOXES FOR STRUCTURED CARLING (DATA & PHONE) IN INTERIOR DRY LOCATIONS SHALL BE GALVANIZED ONE-PIECE PRESSED STEEL, KNOCKOUT TYPE 4 11/16" x 2 1/8": APPLETON, RACO OR EQUAL.
	6. ALL BOXES IN FINISHED SPACES SHALL BE PROVIDED WITH MUD RINGS AS REQUIRED FOR THE DEVICE AND WALL MATERIAL.
	7. OUTDOOR AND WET OR DAMP LOCATIONS: PROVIDE CAST METAL OR PVC OUTLET, JUNCTION, AND PULL BOXES.
E. CONDUCTORS	1. ALL CONDUCTORS SHALL BE SOFT DRAWN, ANNEALED COPPER IN RACEWAY SIZED AS SHOWN ON THE PLANS. ALL CONDUCTORS TO BE MINIMUM #12 AWG UNLESS NOTED OTHERWISE #8 AWG AND LARGER SHALL BE STRANDED.
	2. CONDUCTORS SHALL BE COPPER, THIN OR THHN-2 COLOR CODED IN ACCORDANCE WITH PART 3, SECTION C. 1. OF THESE SPECIFICATIONS OR AS INDICATED ON THE DRAWINGS.
F. WIRING CONNECTIONS	1. MAKE ALL ELECTRICAL CONNECTIONS.
	2. MAKE CONNECTION TO DEVICES USING "PIG-TAILS". DO NOT USE A DEVICE AS A CONNECTION OR A SPLICE UNIT.
	3. DO NOT PLACE STRANDED CONDUCTORS DIRECTLY UNDER SCREWS. INSTALL CRIMP-ON, INSULATED, FORK TERMINALS FOR CONDUCTOR TERMINATIONS, OR INSTALL SOLID CONDUCTORS.

ELECTRICAL SPECIFICATIONS	
DEMOLITION	
1. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND NECESSARY EQUIPMENT TO PERFORM ALL ELECTRICAL DEMOLITION AS SHOWN ON DRAWINGS. WHERE EQUIPMENT IS TO BE REMOVED IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO DE-ENERGIZE AND DISCONNECT ALL POWER AND COMMUNICATION WIRES TO EQUIPMENT ALLOWING A SAFE REMOVAL OF EQUIPMENT. ABANDONED WIRES/CABLING AND CONDUIT SHALL BE REMOVED BACK TO SOURCE OR TO NEAREST UPSTREAM ACTIVE DEVICE/EQUIPMENT TO REMOVE. REMOVE ABANDONED JUNCTION BOXES. PROVIDE ALL WORK REQUIRED TO MAINTAIN EXISTING CIRCUITS OUTSIDE OF REMODEL AREA IN SERVICE. IF CONDUIT IS INACCESSIBLE, CUT FLUSH WITH THE STRUCTURAL SURFACE AND PATCH TO MATCH EXISTING PULL BOXES.	
2. DEMOLITION WORK INDICATED IN DRAWINGS IS BASED ON CASUAL FIELD OBSERVATION AND AS-BUILT DRAWINGS. NOT ALL DEVICES ARE SWOOSH, DEVICE PLACEMENT IS SCHEMATIC AND NOT EXACT. CONTRACTOR TO FIELD VERIFY FOR EXACT LOCATIONS AND COORDINATE WORK WITH ALL OTHER DEVICES, EQUIPMENT, CONDUIT, ETC. WHETHER OR NOT SHOWN TO COMPLETE PROJECT REPORT DISCREPANCIES TO ENGINEER PRIOR TO DISTURBING ANY EXISTING INSTALLATION. THE CONTRACTOR ACCEPTS THE EXISTING CONDITIONS OF PROJECT BY STARTING DEMOLITION WORK.	
3. CONTRACTOR TO COORDINATE WITH OWNER FOR ITEMS TO BE SALVAGED PRIOR TO DEMOLITION. CONTRACTOR IS RESPONSIBLE FOR DISPOSING OF ANY MATERIAL THAT THE OWNER DOES NOT WANT TO KEEP. SALVAGED ITEMS TO BE RETURNED TO THE OWNER SHALL BE CAREFULLY REMOVED, BOXED, AND DELIVERED TO THE OWNER'S STORAGE SPACE.	
4. ALL CIRCUITS THAT WILL BE INSIDE SCOPE OF PROJECT SHALL BE MADE SAFE FOR CONSTRUCTION AND POWER SHALT BE MAINTAINED AND ESTABLISHED WHERE REQUIRED THROUGHOUT THE SCOPE OF THE PROJECT.	
5. ANY WIRES AND CONDUITS TO BE REUSED IN NEW CONSTRUCTION SHALL BE INSPECTED AND REPLACED AS REQUIRED FOR THE CONSTRUCTION.	
6. WHERE REUSING WIRES THAT REMAIN SWAGED, DAMAGED, RESTORE TO ORIGINAL CONDITION USING NEW PRODUCES OF EQUAL QUALITY AND CAPACITY.	
A. EXISTING FIRE ALARM DEVICES SHALL REMAIN IN SERVICE THROUGHOUT THE CONSTRUCTION. DURING TIMES WHERE SYSTEM CANNOT REMAIN IN SERVICE, PROVIDE 24-HOUR FIRE WATCH.	
B. TURN OFF UNUSED CIRCUIT BREAKERS AT THE PANEL AND LABEL AS "SPARE" ON CIRCUIT DIRECTORIES.	
C. PROVIDE KNOCK-OUT SEALS FOR PANELBOARDS, J-BOXES, ETC. WHERE KNOCK-OUTS HAVE BEEN REMOVED.	
D. PROVIDE FILLER PLATES FOR EMERGENCY BREAKER SPACES IN PANELBOARDS.	
E. WHERE EXISTING DEVICES OR EQUIPMENT OBSTRUCT THE NEW CONSTRUCTION, RELOCATE, REWIRE, AND RECONNECT AS REQUIRED.	
F. WHERE EXISTING DEVICES/FIXTURES ARE TO REMAIN OR REUSED, BUT CEILINGS, FLOORS, OR WALLS, ARE BEING REFRESHED, DISCONNECT THE EXISTING DEVICE/FIXTURE AND STORE IN A SECURE LOCATION FOR REINSTALL. CLEAN DEVICES/FIXTURES, RECONNECT DEVICES/FIXTURES AFTER SURFACE IS REFRESHED. PROVIDE BOX EXTENDERS, ETC. AS REQUIRED FOR A FLUSH INSTALLATION. WHERE EXISTING SUPPORTS DO NOT MEET CURRENT CODES, PROVIDE ADDITIONAL SUPPORTS AS REQUIRED.	
G. PRIOR TO RUNNING NEW CIRCUITS TO EXISTING PANELS INDICATED, VERIFY EXISTING PANEL HAS ADEQUATE SPACE TO ACCOMMODATE NEW CIRCUITS. NOTIFY ENGINEER IF EXISTING PANEL HAS INSUFFICIENT SPACE AND PROVIDE RECOMMENDATION FOR NEAREST PANEL WITH AVAILABLE SPACE THAT FEEDS SIMILAR LOAD TYPES FOR APPROVAL.	
H. EC SHALL COORDINATE WITH ALL OTHER TRADES DURING DEMOLITION AND CONSTRUCTION TO FACILITATE TIMELY WORK.	
I. ALL AREAS ARE TO BE KEPT CLEAN AND CLEAR OF DEBRIS AT ALL TIMES. PROTECT ADJACENT AREAS OUTSIDE THE REMODEL AREA FROM DIRT AND DEBRIS.	
J. CONTRACTOR SHALL PATCH AND REPAIR ALL WALLS, CEILINGS ETC. TO MATCH EXISTING CONDITIONS. PENETRATIONS SHALL BE SEALED WITH FIRE RATED CAULK.	
K. ROUTE ALL CONDUIT IN A NEAT AND ORDERLY FASHION. ALL CONDUIT SHALL BE CONCEALED ABOVE CEILINGS OR IN WALLS OR FINISHED SPACES UNLESS OTHERWISE INDICATED ON THE PLANS.	
L. CAP AND LABEL ALL EMPTY CONDUITS TO REMAIN.	

ELECTRICAL SPECIFICATIONS	
GENERAL	
A. DESCRIPTION	1. FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND TRANSPORTATION AS REQUIRED TO PROPERLY INSTALL A COMPLETE AND OPERABLE ELECTRICAL SYSTEM.
B. RULES AND REGULATIONS	1. ALL WORK AND MATERIALS SHALL BE INSTALLED AS SHOWN IN HEREIN SPECIFIED.
	2. THE LATEST EDITIONS OF THE FOLLOWING SPECIFICATIONS, STANDARDS, AND AMENDMENTS, AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION, SHALL FORM A PART OF THIS SPECIFICATION THE SAME AS IF HERIN WRITTEN IN FULL IN ALL MATERIALS AND INSTALLATIONS SHALL CONFORM TO THE APPLICABILITY REQUIREMENTS (NEC).
	a. NFPA INSTITUTE FOR FIRE PROTECTION ASSOCIATION, PUBLICATION NUMBER 70, "NATIONAL ELECTRICAL CODE", PUBLICATION NO. 70, "AUTOMATIC FIRE DETECTORS".
	b. UL (UNDERWITERS LABORATORIES, INC.)
	c. NEMA (NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION).
	d. UBC (UNIFORM BUILDING CODE) AND STANDARD BUILDING CODE.
	e. IBC (INTERNATIONAL BUILDING CODE)
	f. IFC (INTERNATIONAL FIRE CODE)
	g. IECC (INTERNATIONAL ENERGY CONSERVATION CODE)
	h. IEC (INTERNATIONAL ELECTRICAL CODE) STATE AND LOCAL BUILDING AUTHORITY AND CODES
	i. NO REQUIREMENT TO THESE DRAWINGS AND SPECIFICATIONS SHALL BE CONSTRUCTED TO VOID ANY OF THE PROVISIONS OF THE ABOVE SPECIFICATIONS AND STANDARDS.
C. PERMITS AND INSPECTIONS	1. PERMITS AND INSPECTIONS UNLESS OTHERWISE SPECIFIED, THE CONTRACTOR SHALL APPLY, PAY FOR AND SCHEDULE ALL APPLICABLE PERMITS, FEES AND INSPECTIONS REQUIRED BY ANY AND ALL PUBLIC AUTHORITIES HAVING JURISDICTION AND REQUIRING INSPECTION.
	1. EC SHALL INCLUDE ALL UTILITY COMPANY CHARGES IN THE BASE BID.
D. WORKMANSHIP AND MATERIALS	1. WORKMANSHIP SHALL BE OF THE BEST QUALITY AND NONE BUT COMPETENT PERSONNEL SKILLED IN THEIR TRADE SHALL BE EMPLOYED. THE CONTRACTOR SHALL FURNISH THE SERVICES OF AN EXPERIENCED SUPERINTENDENT, WHO WILL BE IN CHARGE OF THE EXECUTION OF WORK, UNTIL COMPLETED AND ACCEPTED.
	2. UNLESS OTHERWISE HERIN AFTER SPECIFIED, ALL MATERIALS AND EQUIPMENT UNDER THIS DIVISION OF THE SPECIFICATIONS SHALL BE OF, BEST GRADE AND AS LISTED IN PRINTED CATALOGS OF THE MANUFACTURER. EACH ARTICLE OF IT'S KIND SHALL BE THE STANDARD PRODUCT OF A SINGLE MAN



KNIT
knitstudios.com

THESE DOCUMENTS HAVE BEEN PROVIDED AS AN INSTRUMENT OF SERVICE AND ARE INTENDED SOLELY FOR THE PURPOSE OF CONSTRUCTION. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE ARCHITECT OF RECORD FOR THE PROJECT RETAINS OWNERSHIP OF THESE DOCUMENTS. THE CONTRACTOR AGREES NOT TO SELL THE CONTRACTOR'S OWNERSHIP OF THESE DOCUMENTS. THE CONTRACTOR AGREES NOT TO REPRODUCE OR OTHERWISE USE THESE DOCUMENTS OR CONCEPTS DESCRIBED HEREIN IN WHOLE OR PART. ANY USE OF THESE DOCUMENTS OR USE OF THIS DESIGN, IDEAS OR CONCEPTS DESCRIBED HEREIN IN WHOLE OR PART IS PROHIBITED EXCEPT BY WRITTEN CONSENT OF KNIT.

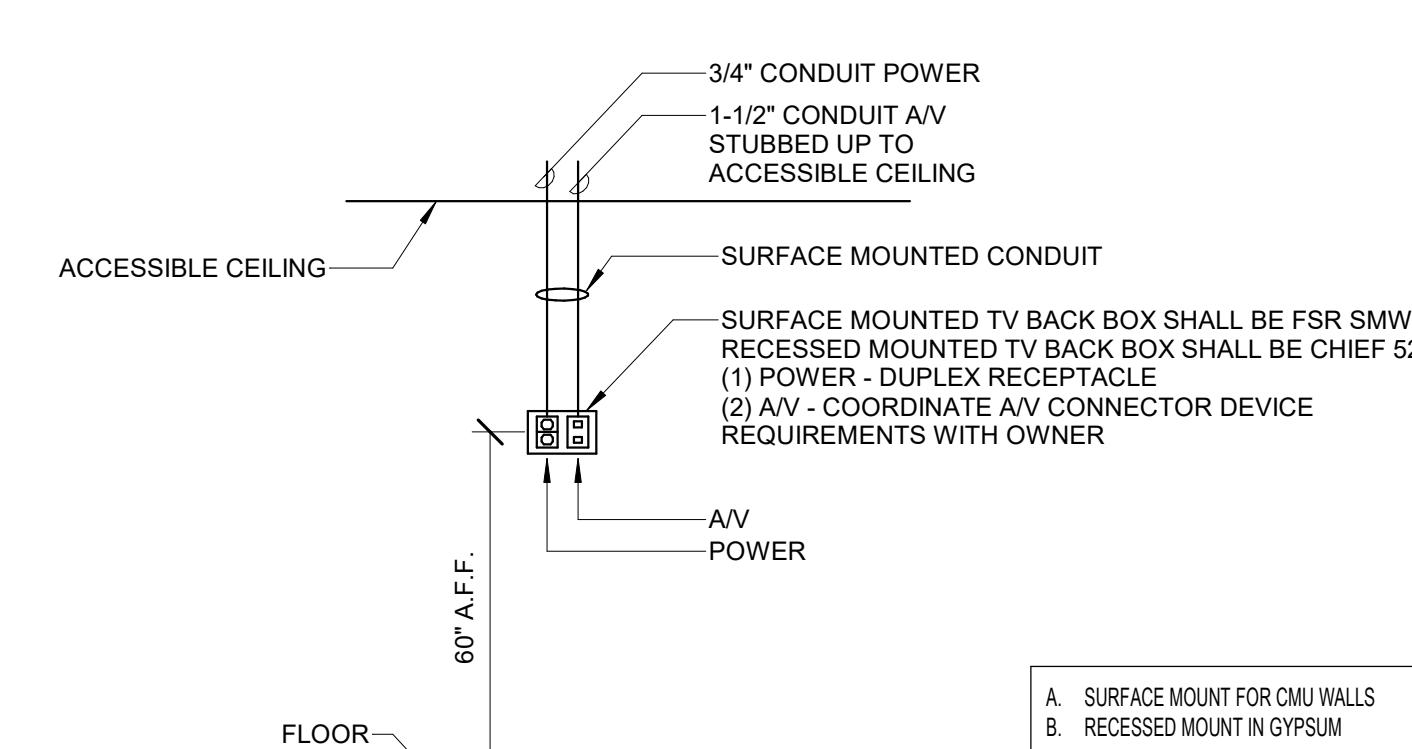


101 W Cataldo Ave, Suite 205, Spokane, WA 99201
(509) 919-3403 | info@resolutgroup.com
resolutgroup.com

Project #: 250146
PM: Nikko Bowers

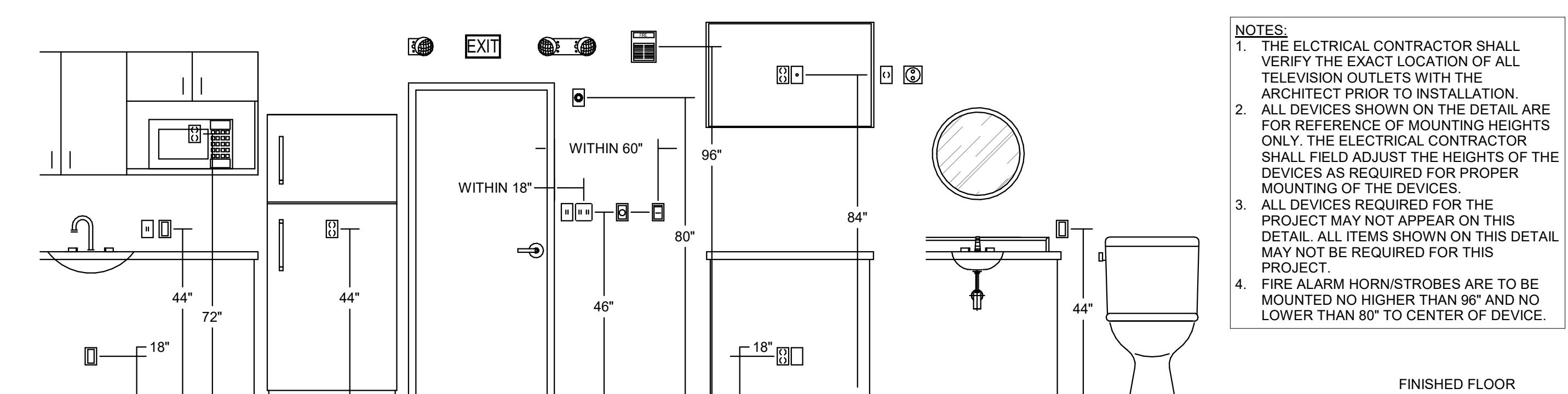
ISSUE DATE: 06.18.2025

REV DATE COMMENT



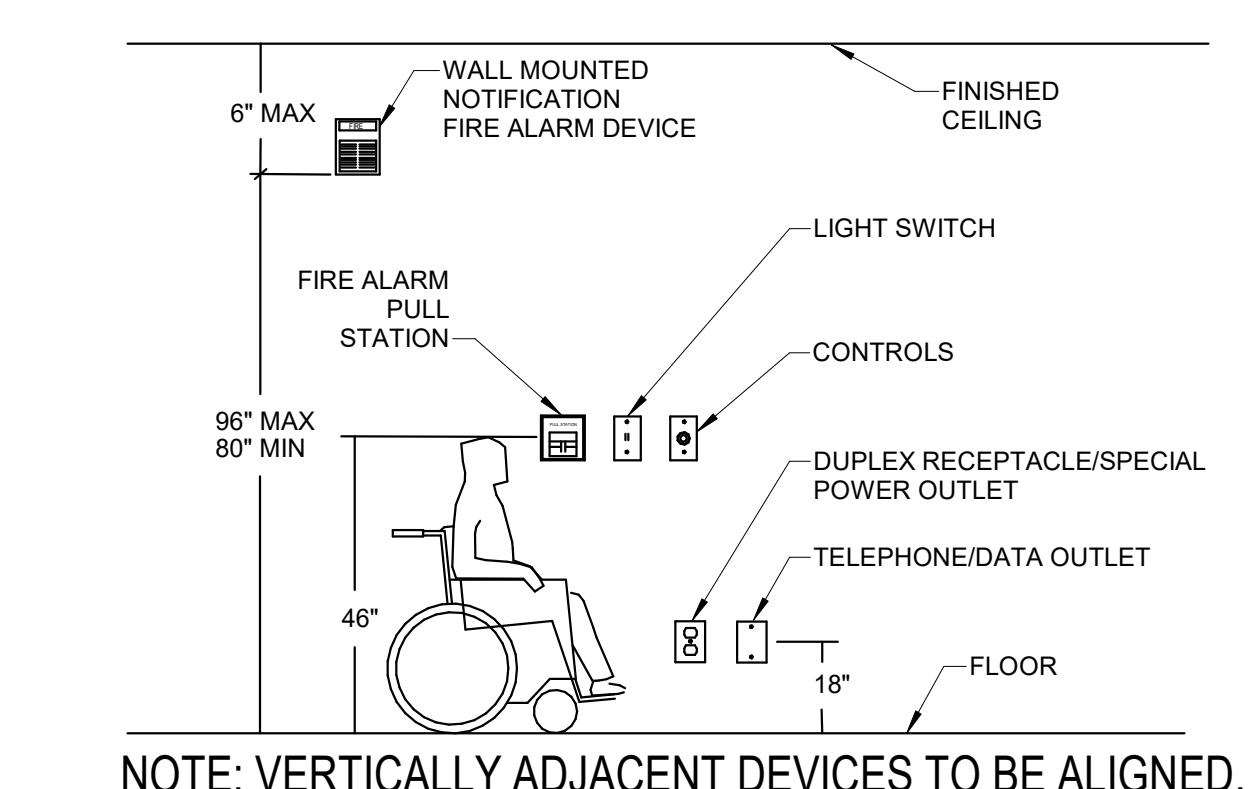
6 TV DISPLAY.

SCALE: NO SCALE



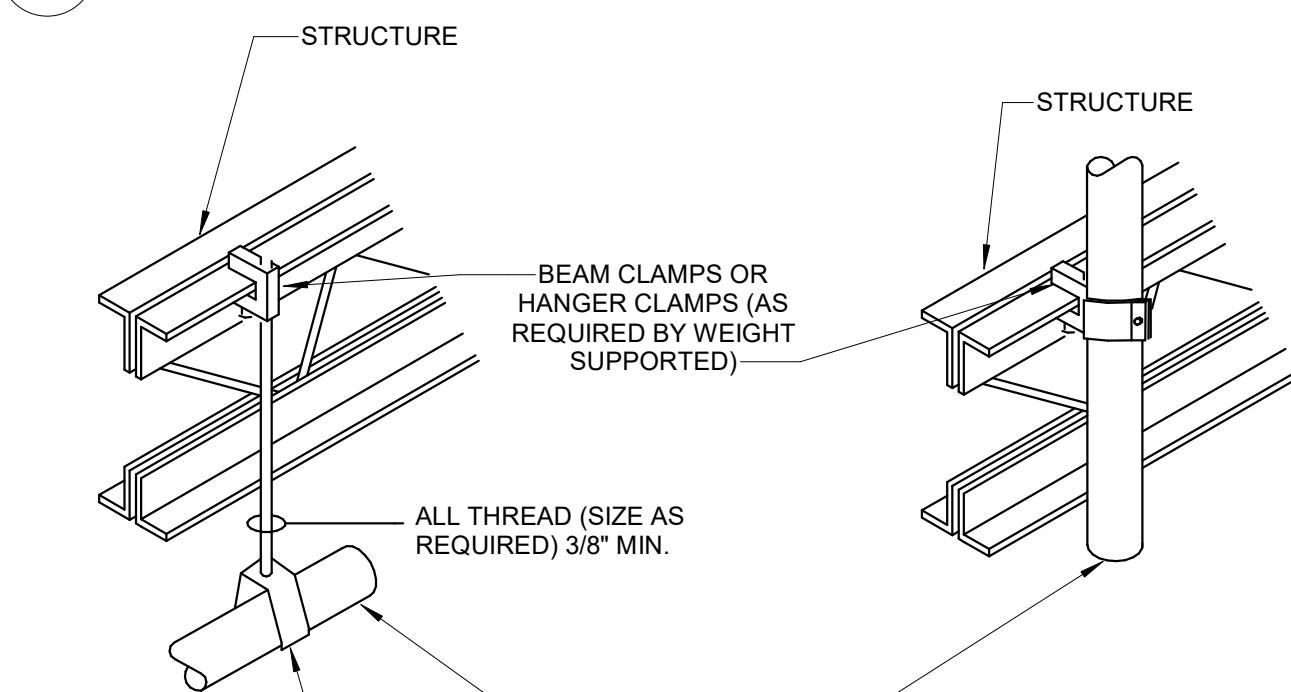
1 MOUNTING HEIGHT DETAIL.

SCALE: NO SCALE



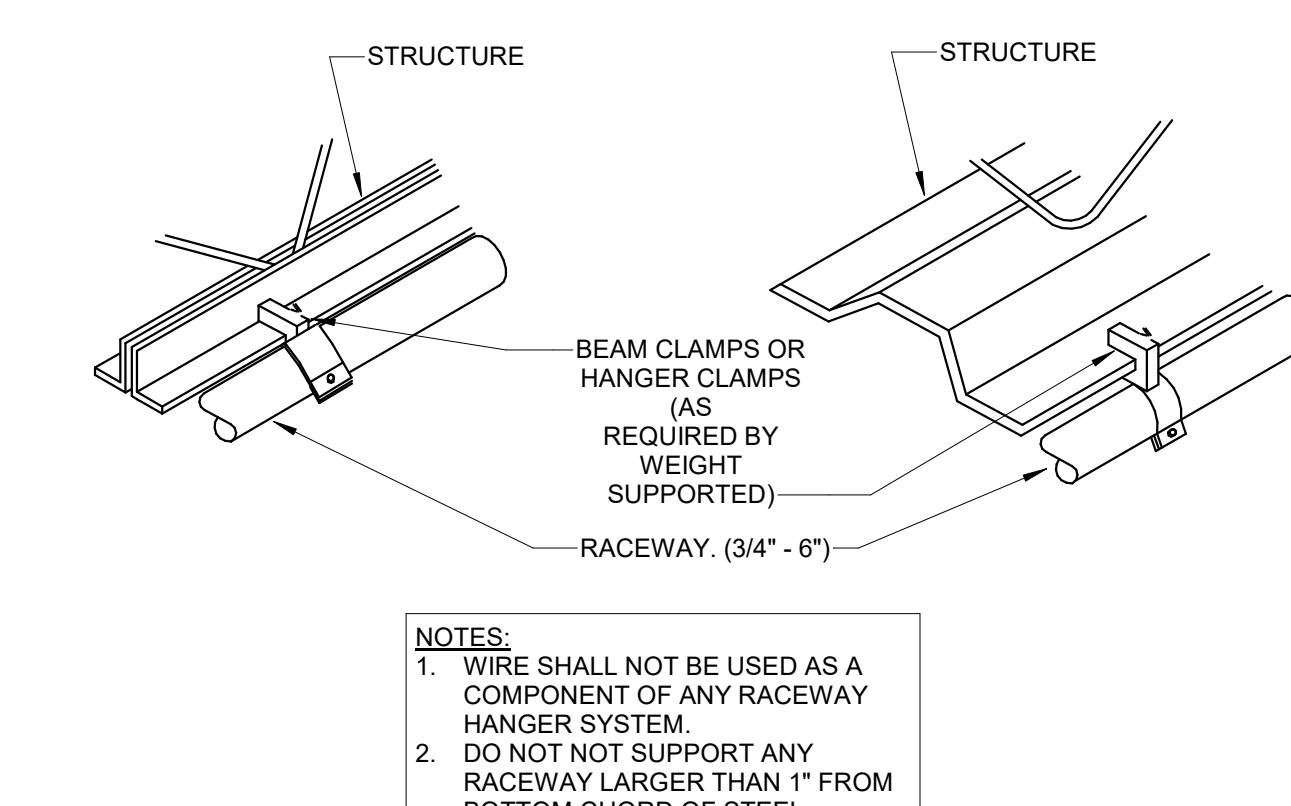
7 DISABILITY MOUNTING HEIGHT DETAIL.

SCALE: NO SCALE



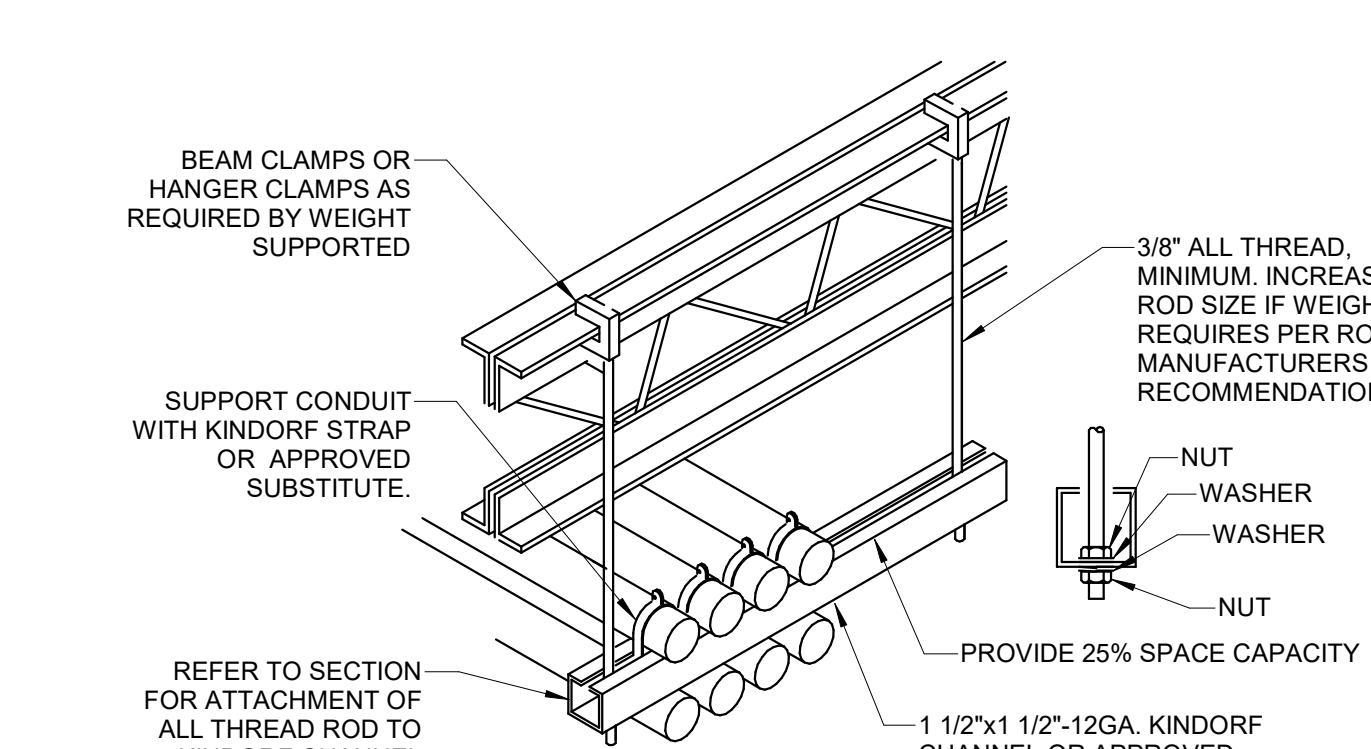
4 RACEWAY SUPPORT METHODS DIAGRAM.

SCALE: NO SCALE



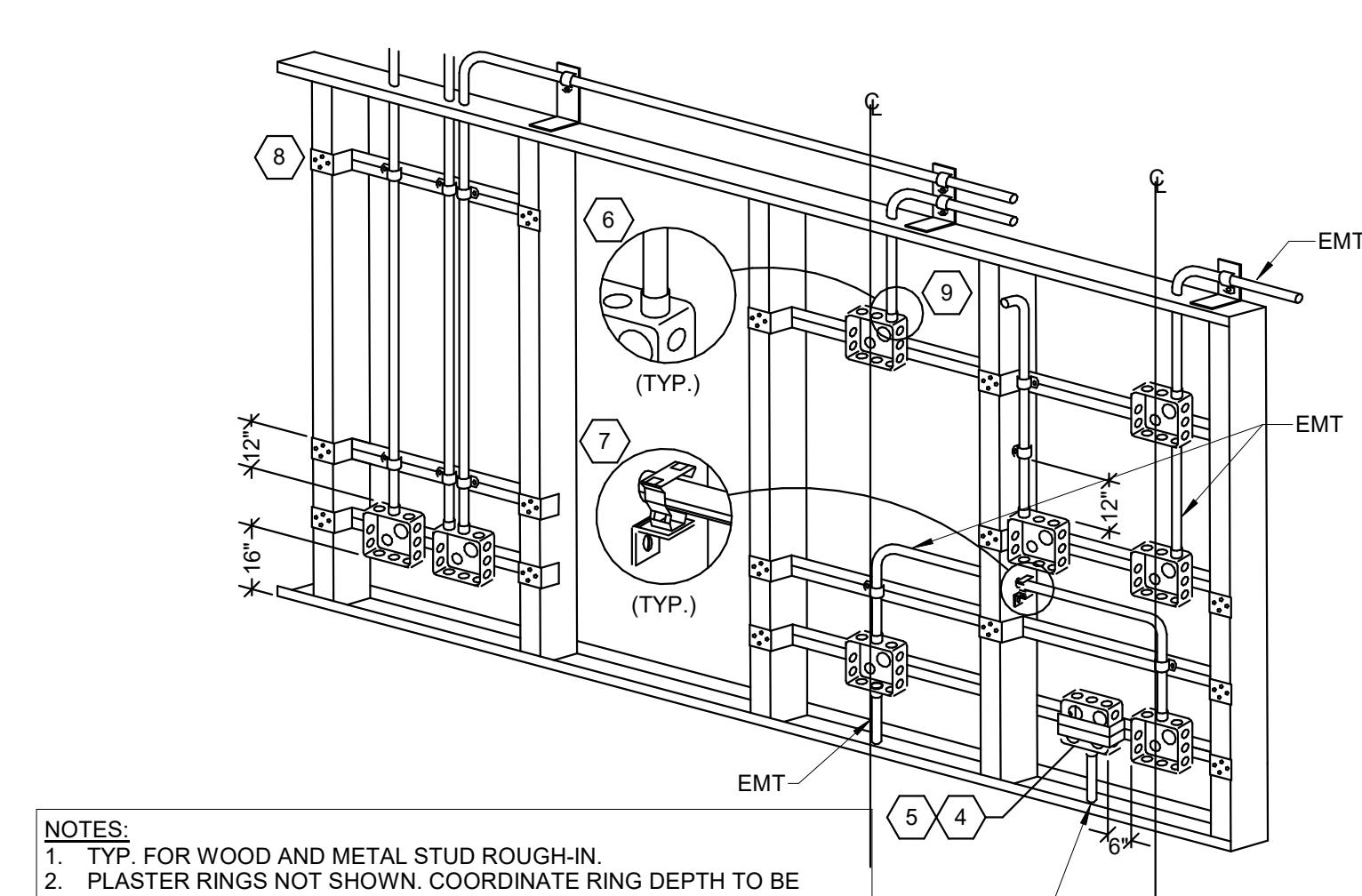
2 RECESSED FIXTURE MOUNTING DIAGRAM.

SCALE: NO SCALE



5 TRAPEZE SUPPORT DETAIL.

SCALE: NO SCALE



3 ROUGH-IN DETAIL.

SCALE: NO SCALE

ELECTRICAL DETAILS

LCSC PA LAB

Sam Glenn Complex 500 4th St Lewiston, ID 83501

Lewis Clark State College

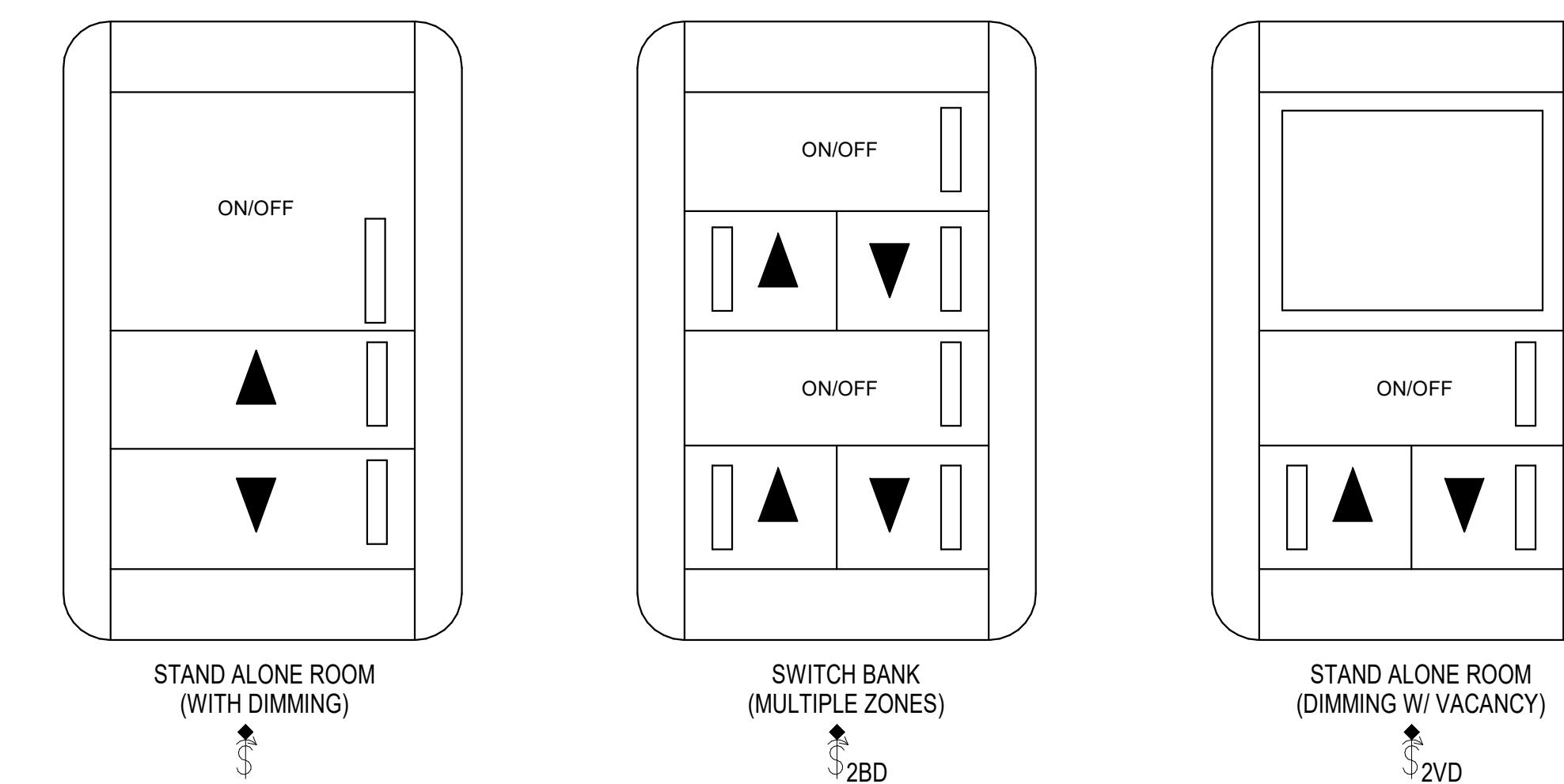
TITLE

PROJECT

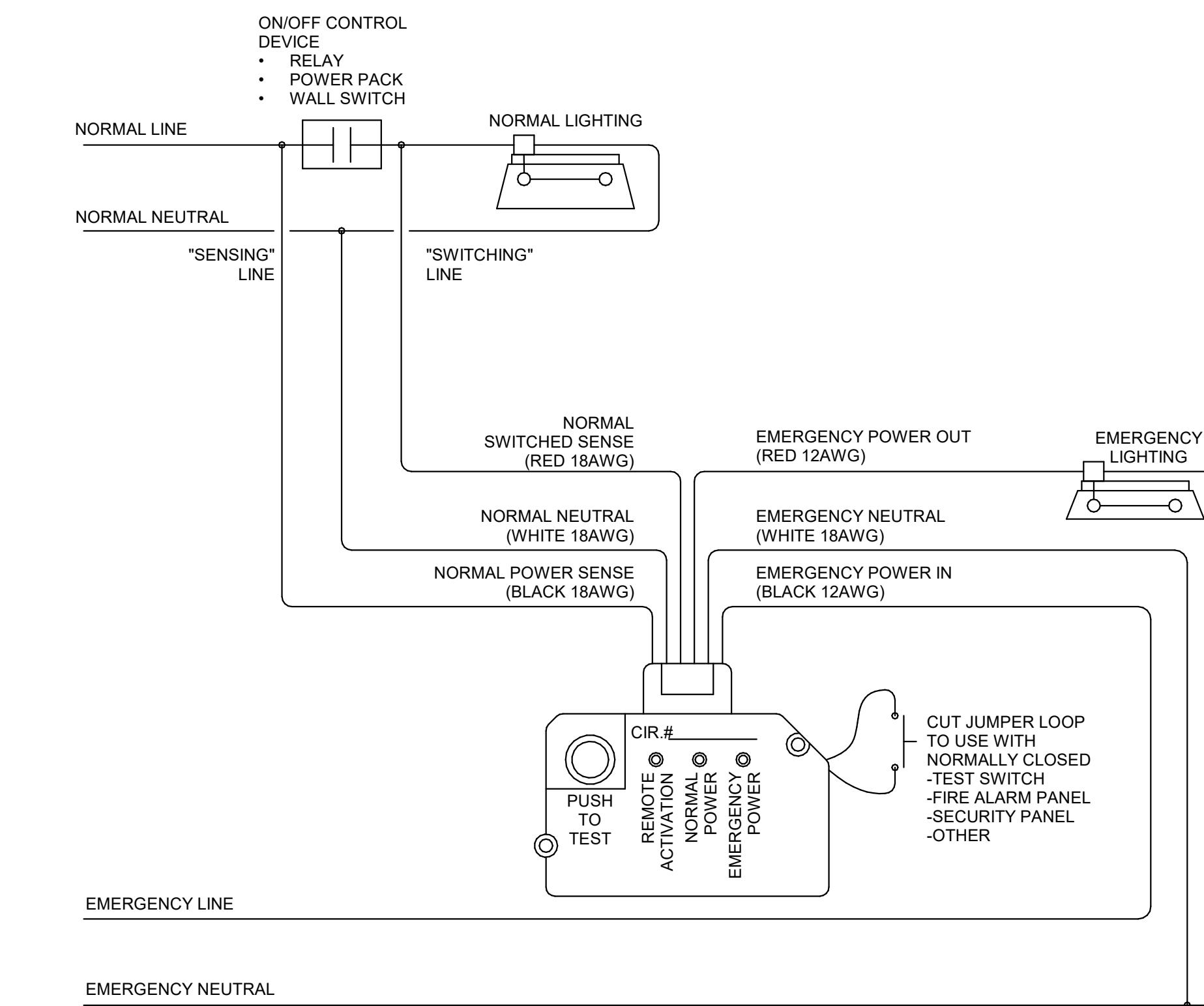
CLIENT

JOB NO: 240128

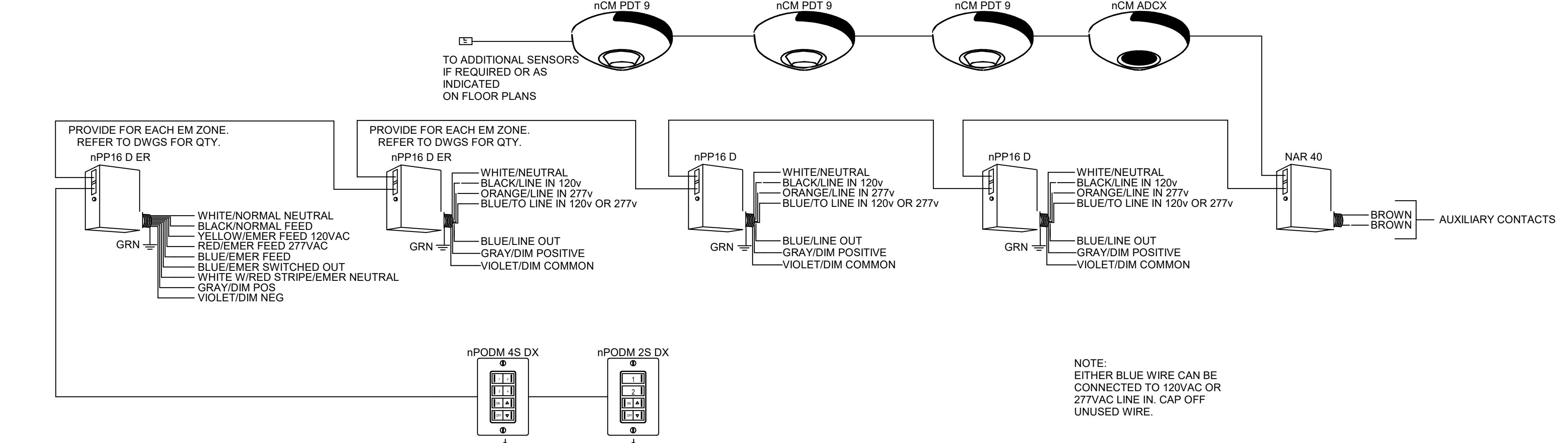
EG5.01



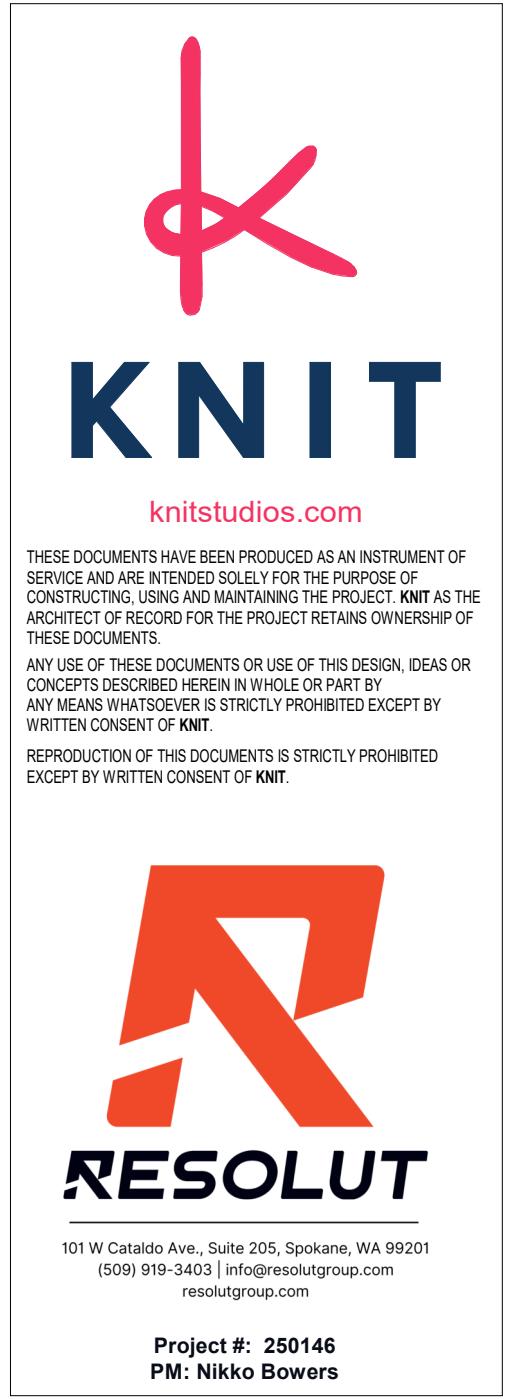
1 LOW VOLTAGE SWITCH DETAIL.
SCALE: NO SCALE



2 EMERGENCY LIGHTING
CONTROL UNIT.
SCALE: NO SCALE



3 nLIGHT TYPICAL WIRING
DIAGRAM.
SCALE: NO SCALE



ISSUE DATE: 06.18.2025

REV DATE COMMENT



ELECTRICAL DETAILS

LCSC PA LAB

Sam Glenn Complex 500 4th St Lewiston, ID 83501

Lewis Clark State College

TITLE

PROJECT

CLIENT

JOB NO: 240128

EG5.02

Branch Panel: (E) LC

Location: 2ND FLOOR CORRIDOR
Supply From:
Mounting: RECESSED
Enclosure: NEMA1

Volts: 208Y/120
Phases: 3
Wires: 4
A.I.C. Rating: 10,000 AMPS SYMMETRICAL
Mains Type: MLO
Mains Rating: 225.0 A

CKT	Circuit Description	Code	BRK	P	Size	A (VA)	B (VA)	C (VA)	Size	P	BRK	Code	Circuit Description	CKT	
1	(E) C.O RM 228	20 A	1	0	0	0	0	1	20 A	(E) C.O RM 220	2				
3	(E) C.O RM 228,229 OUTSIDE WALL	20 A	1					1	20 A	(E) C.O RM 220	4				
5	(E) C.O RM 224 CIRC. BLOCK WALL	20 A	1				0	0	1	20 A	(E) C.O RM 223	6			
7	(E) C.O RM 223	20 A	1	0	0			1	20 A	(E) C.O RM 220	8				
9	(E) C.O RM 225	20 A	1			0	0	1	20 A	(E) C.O RM 220	10				
11	(E) C.O RM 225	20 A	1				0	0	1	20 A	(E) C.O RM 226	12			
13	(D) C.O RM 225	20 A	1	1080	0				1	20 A	(E) C.O RM 220	14			
15	(E) C.O RM 223	20 A	1			0	0		1	20 A	(E) C.O RM 220	16			
17	(E) C.O RM 225	20 A	1				0	0	1	20 A	(E) C.O RM 220 FLOOR, 121 PROJ	18			
19	(E) C.O RM 220, DRINKING FOUNTAIN	20 A	1	0	0			1	20 A	(E) C.O RM 220	20				
21	(E) C.O RM 224,225	2	20 A	1		540	0		1	20 A	(E) C.O RM 222	22			
23	(E) C.O RM 224	2	20 A	1		540	0	1	20 A	(E) C.O RM 222	24				
25	(E) LTS MECH RM, UPSTAIR FURN	20 A	1	0	0			1	20 A	(E) C.O RM 222,224	26				
27	(E) LTS RM 219, HALL	20 A	1			0	0	1	20 A	(E) C.O RM 222,224	28				
29	SPARE	20 A	1					0	0	1	20 A	SPARE	30		
31	SPARE	20 A	1	0	0			1	20 A	SPARE	32				
33	SPARE	20 A	1			0	0	1	20 A	SPARE	34				
35	SPARE	20 A	1				0	0	1	20 A	SPARE	36			
37	SPARE	-	1	-	-			1	-	SPARE	38				
39	SPARE	-	1	-	-			1	-	SPARE	40				
41	SPACE	-	1					1	-	SPACE	42				
Total Load:				1080	VA	540	VA	540	VA						
Total Amps:				9.0	A	4.5	A	4.5	A						

Code:

1 = (E) CIRCUIT IS TO REMAIN

2 = (D) CIRCUIT TO BE DEMOLISHED, SET BREAKER TO 'OFF'

Load Classification

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Spare	2160 VA	100.0%	2160 VA	
				Total Conn. Load: 2160 VA
				Total Est. Demand: 2160 VA
				Total Conn.: 8.0 A
				Total Est. Demand: 6.0 A

Notes:

1. EXISTING LOADS FOR REFERENCE ONLY.

2. PROVIDE NEW TYPE WRITTEN CIRCUIT DIRECTORY.

Branch Panel: (R) LC

Location: 2ND FLOOR CORRIDOR
Supply From:
Mounting: RECESSED
Enclosure: NEMA1

Volts: 208Y/120
Phases: 3
Wires: 4
A.I.C. Rating: 10,000 AMPS SYMMETRICAL
Mains Type: MLO
Mains Rating: 225.0 A

CKT	Circuit Description	Code	BRK	P	Size	A (VA)	B (VA)	C (VA)	Size	P	BRK	Code	Circuit Description	CKT
1	(E) C.O RM 228	20 A	1	0	0	0	0	1	20 A	(E) C.O RM 220	2			
3	(E) C.O RM 228,229 OUTSIDE WALL	20 A	1				0	0	1	20 A	(E) C.O RM 220	4		
5	(E) C.O RM 224 CIRC. BLOCK WALL	20 A	1			0	0	1	20 A	(E) C.O RM 223	6			
7	(E) C.O RM 223	20 A	1	0	0			1	20 A	(E) C.O RM 220	8			
9	(E) C.O RM 225	20 A	1			0	0	1	20 A	(E) C.O RM 220	10			
11	(E) C.O RM 225	20 A	1				0	0	1	20 A	(E) C.O RM 226	12		
13	(R) C.O RM 224 RECEPTACLES EAST WALL	20 A	1					540	0	1	20 A	(E) C.O RM 220	14	
15	(E) C.O RM 223	20 A	1					0	0	1	20 A	(E) C.O RM 220	16	
17	(E) C.O RM 225	20 A	1					0	0	1	20 A	(E) C.O RM 220 FLOOR, 121 PROJ	18	
19	(R) RM 225 RECEPTACLES EAST WALL	20 A	1					0	0	1	20 A	(E) C.O RM 220, DRINKING FOUNTAIN	20	
21	(R) RM 225 RECEPTACLES TEACHING...	20 A	1					360	0	1	20 A	(E) C.O RM 222	22	
23	(R) RM 224 RECEPTACLES TEACHING...	20 A	1					180	0	1	20 A	(E) C.O RM 222	24	
25	(E) LTS MECH RM, UPSTAIR FURN	20 A	1	0	0			0	0	1	20 A	(E) C.O RM 222,224	26	
27	(E) LTS RM 219, HALL	20 A	1					0	0	1	20 A	(E) C.O RM 222,224	28	
29	SPARE	20 A	1					0	0	1	20 A	SPARE	30	
31	SPARE	20 A	1	0	0			1	20 A	SPARE	32			
33	SPARE	20 A	1			0	0	1	20 A	SPARE	34			
35	SPARE	20 A	1				0	0	1	20 A	SPARE	36		
37	SPARE	-	1	-	-			1	-	SPARE	38			
39	SPARE	-	1	-	-			1	-	SPARE	40			
41	SPACE	-	1					1	-	SPACE	42			
Total Load:				540	VA	360	VA	180	VA					
Total Amps:				4.7	A	3.2	A	1.5	A					

Code:
1 = (E) CIRCUIT IS TO REMAIN
2 = (D) CIRCUIT TO BE DEMOLISHED, SET BREAKER TO 'OFF'

3 = (N) PROVIDE NEW CIRCUIT BREAKER AS INDICATED

2 = (R) REVISED CIRCUIT, UTILIZE EXISTING BREAKER

Load Classification

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Receptacle	1080 VA	100.0%	1080 VA	
				Total Conn. Load: 1080 VA
				Total Est. Demand: 1080 VA
				Total Conn.: 3.0 A
				Total Est. Demand: 3.0 A

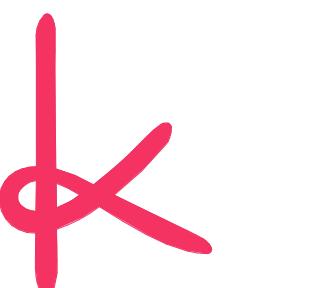
Notes:

1. EXISTING LOADS FOR REFERENCE ONLY.

2. PROVIDE NEW TYPE WRITTEN CIRCUIT DIRECTORY.

Branch Panel: (E) LC4

Location: CLASSROOM 124
Supply From:
Mounting: RECESSED
Enclosure: NEMA1



KNIT
knitstudios.com

These documents have been produced as an instrument of service and are intended solely for the purpose of construction. The copyright and all rights in the documents and any designs contained in them are the property of the architect of record for the project. Retains ownership of these documents and any designs contained in them. Any use of these documents or use of this design, ideas or concepts described herein in whole or part is prohibited except by written consent of KNIT.

Reproduction of these documents is strictly prohibited except by written consent of KNIT.

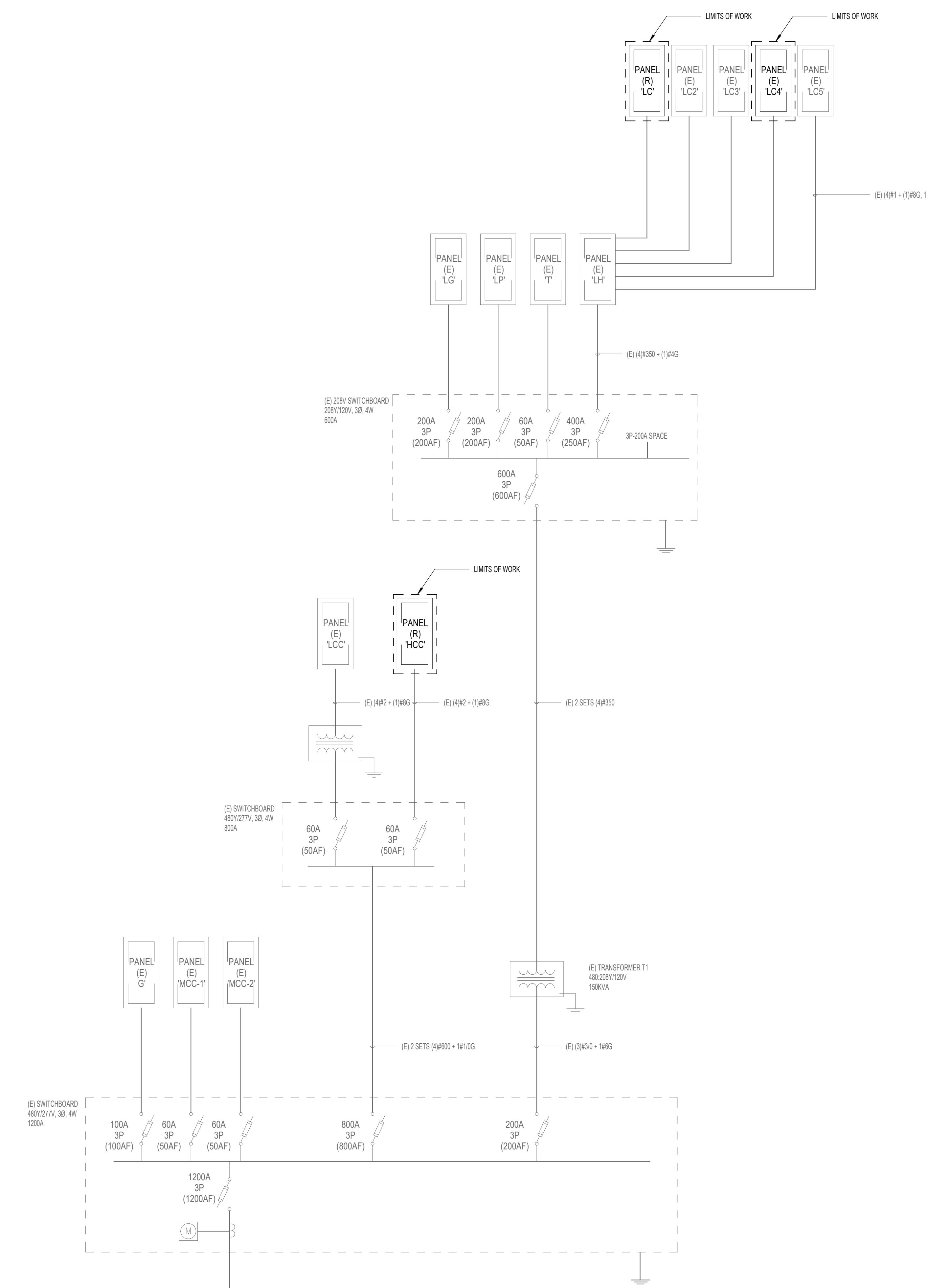


101 W Cataldo Ave, Suite 205, Spokane, WA 99201
(509) 919-3403 | info@resolutgroup.com
resolutgroup.com

Project #: 250146
PM: Nikko Bowers

GENERAL NOTES

1. DEVICES/EQUIPMENT SHOWN IN GRAY ARE EXISTING TO REMAIN, PRESERVE AND PROTECT.
2. MAINTAIN EXISTING CIRCUIT INTEGRITY.
3. ONE LINE DIAGRAM IS SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL INFORM ENGINEER OF ANY DISCREPANCIES DURING WORK.



1
EG7.01
ONLINE DIAGRAM
NOT TO SCALE

ELECTRICAL DIAGRAMS
TITLE: LCSC PA LAB
PROJECT: Sam Glenn Complex 500 4th St Lewiston, ID 83501
CLIENT: Lewis Clark State College

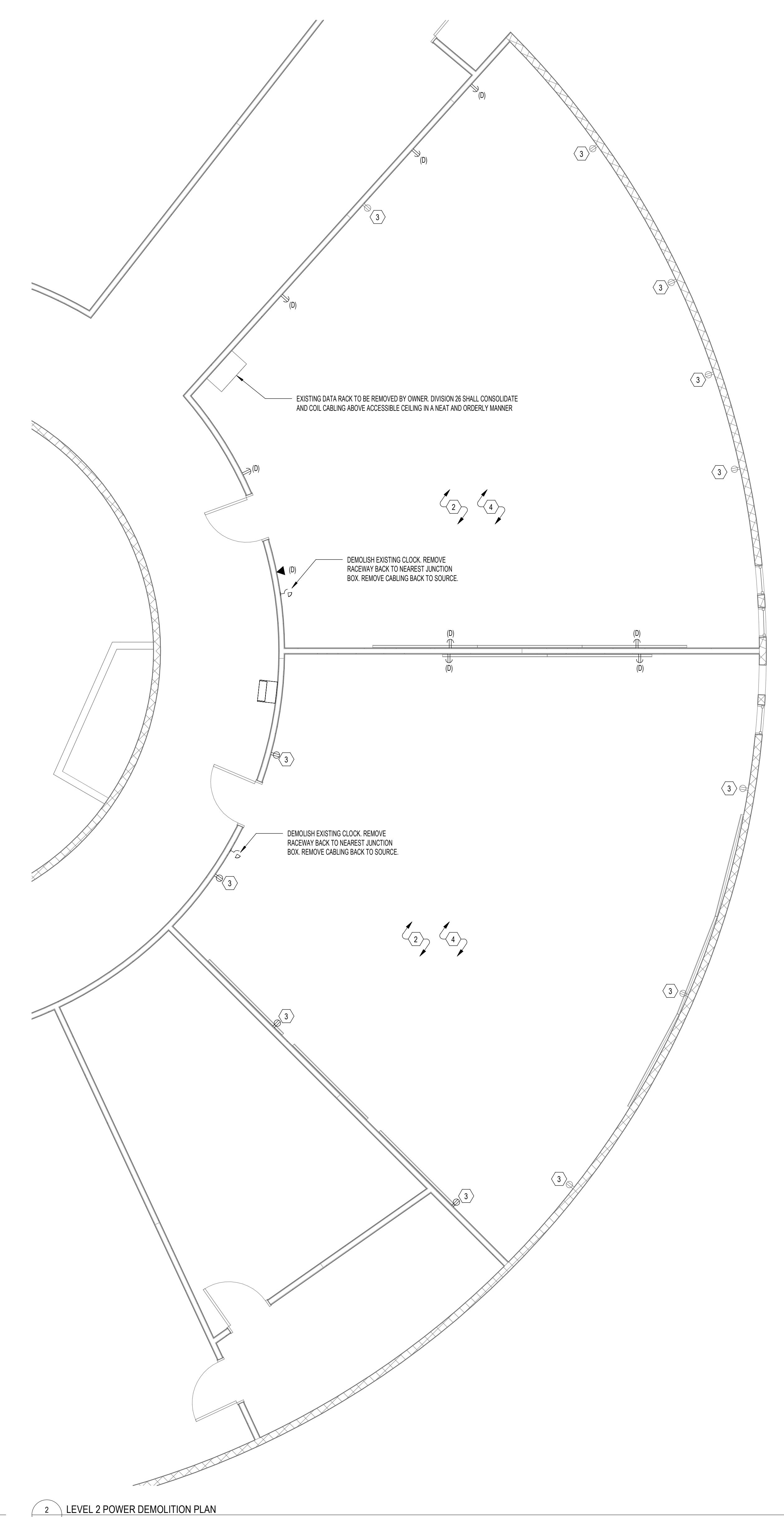
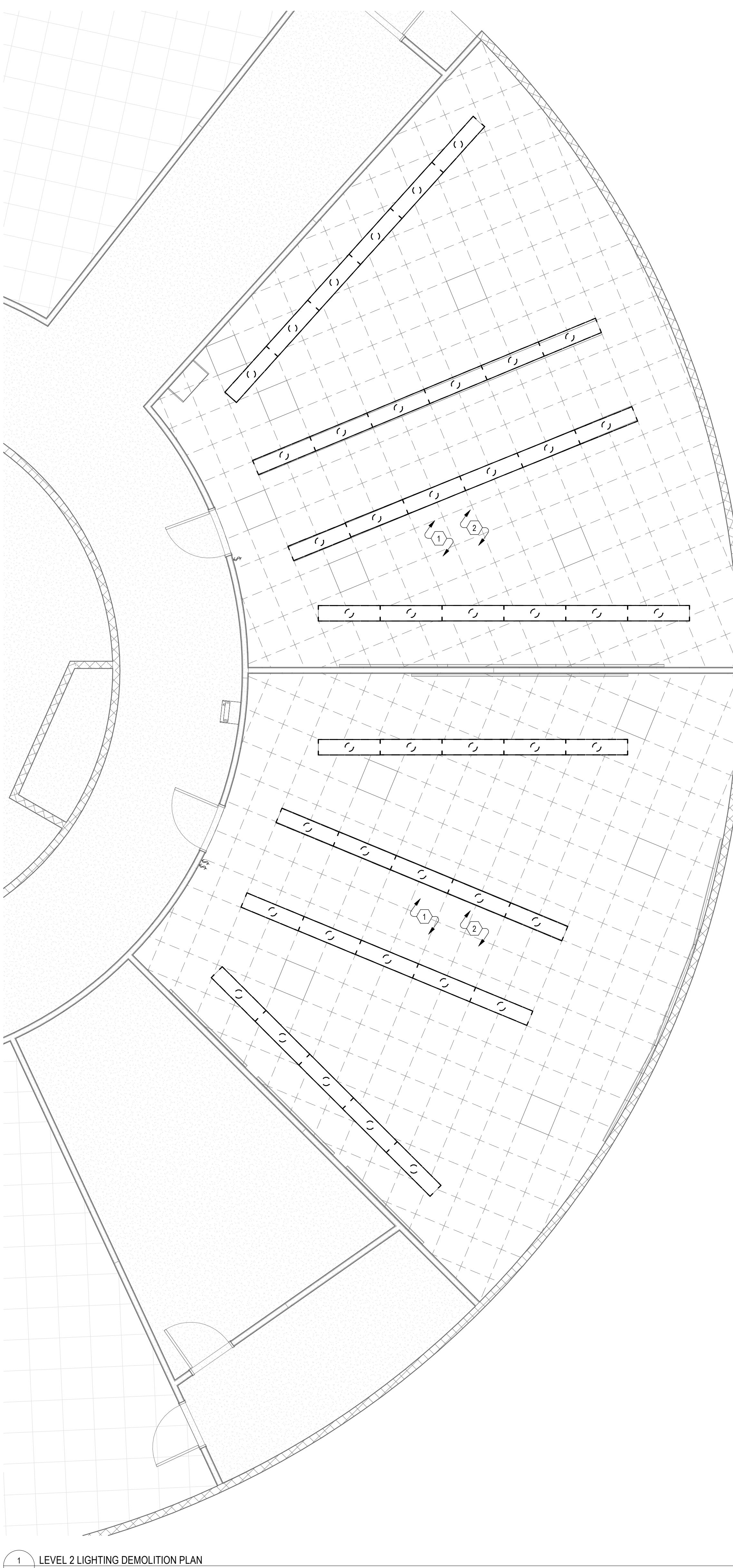
JOB NO: 240128

EG7.01

ISSUE DATE: 06.18.2025

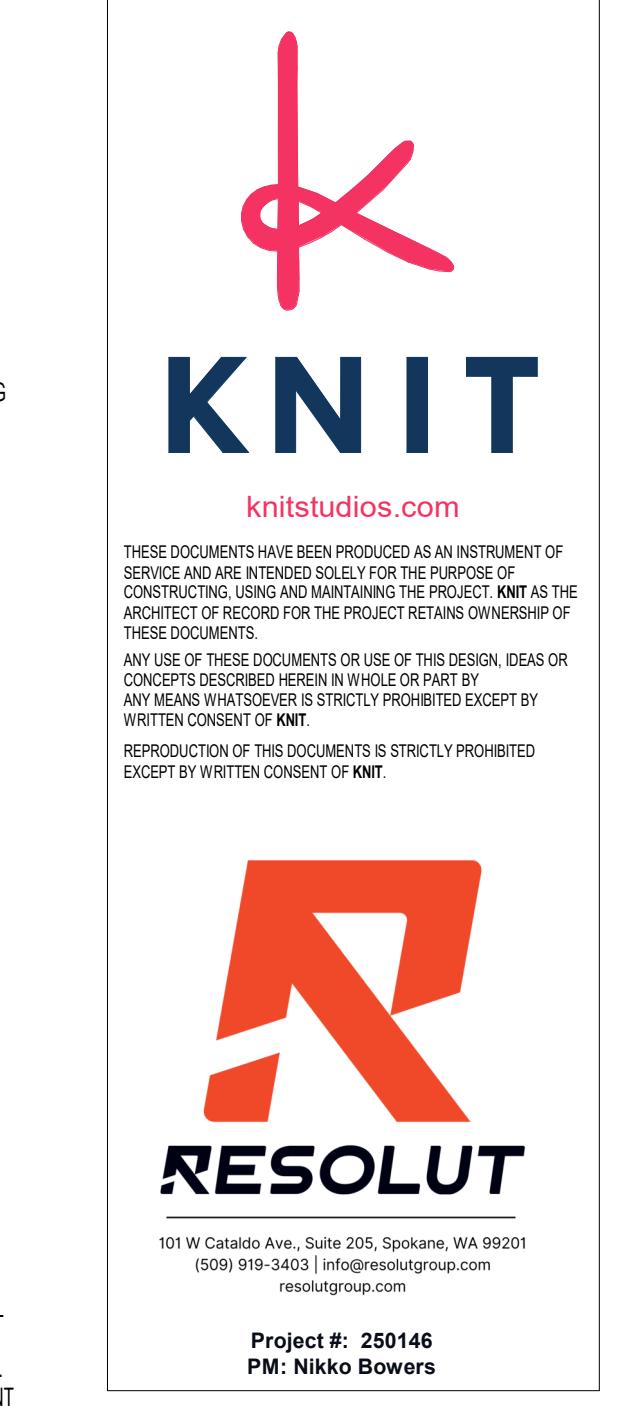
REV DATE COMMENT

PROFESSIONAL ENGINEER
REGISTERED
20139
06/18/25
STATE OF
LEWIS
WONG



KEYED NOTES

1. EXISTING FIXTURES TO BE DEMOLISHED. PROTECT EXISTING CIRCUIT FOR NEW LIGHT FIXTURES.
2. CONTRACTOR SHALL DEMOLISH ELECTRICAL DEVICES, LIGHTING CONTROL DEVICES, AND FIRE ALARM DEVICES IN THIS SPACE. CONTRACTOR MAY PROTECT EXISTING RACEWAYS AND CIRCUITS FOR USE WITH NEW DEVICES TO MEET NEW DESIGN INTENT UNLESS NOTED OTHERWISE.
3. RELOCATE EXISTING TO REMAIN. REPLACE TRIM AND RECEPTACLES TO MATCH NEW FIXTURES CANAL STANDARDS.
4. DEMOLISH EXISTING DATA SURFACE MOUNTED RACEWAY AND DATA DEVICES. PRESERVE CABLING FOR NEW DEVICES.

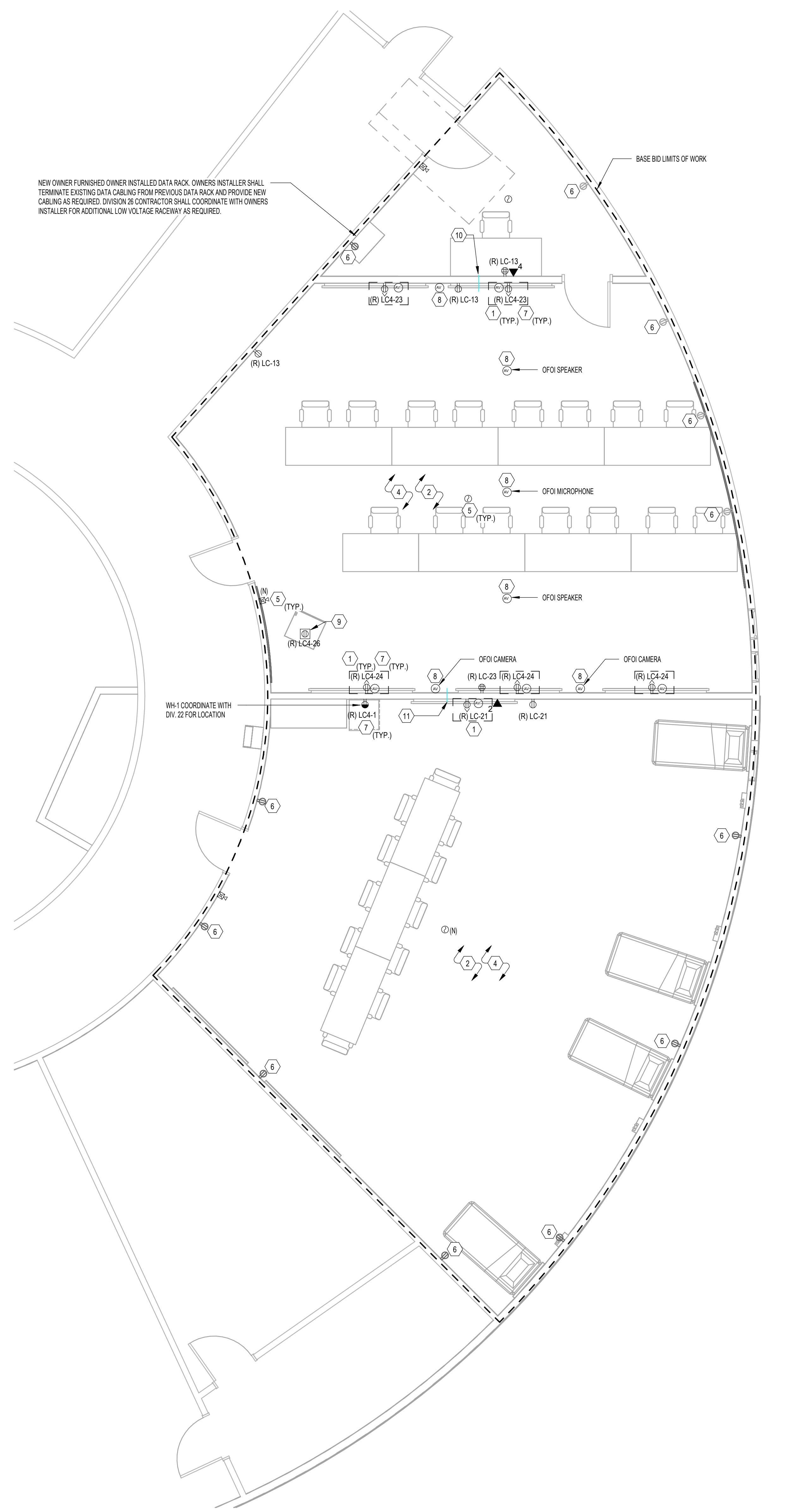


ISSUE DATE: 06.18.2025
REV DATE COMMENT

LEVEL 2 ELECTRICAL DEMOLITION PLANS
TITLE: LCSC PA LAB
PROJECT: Sam Glenn Complex 500 4th St, Lewiston, ID 83501
CLIENT: Lewis Clark State College

JOB NO: 240128
ED1.01

PROFESSIONAL ENGINEER
REGISTRATION
20139
06/18/25
STATE OF
LEWIS
WONG



KEYED NOTES

1. SEE ELEC.01 FOR TV DISPLAY REQUIREMENTS
2. CONTRACTOR SHALL UTILIZE EXISTING CIRCUITS TO THE EXTENT POSSIBLE. PROVIDE NEW CIRCUITS TO NEAREST PANEL AS REQUIRED TO MEET DESIGN INTENT. WHERE NEW CIRCUITS ARE REQUIRED, EC SHALL PROVIDE BREAKERS THAT MATCH THE EXISTING PANEL, AIC RATING.
3. CONTRACTOR SHALL PROVIDE NEW LIGHT FIXTURES. UTILIZE EXISTING LIGHTING CIRCUIT ON PANEL HIC FOR NEW LIGHT FIXTURE.
4. CONTRACTOR SHALL UTILIZE ABOVE THE CEILING SPACE AS MUCH AS POSSIBLE TO REDUCE SURFACE CONDUIT RUNS. EXISTING DEVICES THAT MATCH THE DESIGN INTENT MAY BE RE-USED BUT SHALL BE REPLACED WITH NEW TO MATCH NEW DEVICES IF SPACE.
5. FURNISH AND INSTALL ADDRESSABLE FIRE ALARM DEVICE AS SHOWN. TIE TO EXISTING FIRE ALARM INITATION LOOP.
RECEPTACLE EXISTING TO REMAIN. REPLACE TRIM AND RECEPTACLE TO MATCH NEW DEVICES/CAMPUS STANDARDS.
6. CONTRACTOR SHALL PROVIDE LOG IN ROOM 121 ON THE LEVEL BELOW.
7. PROVIDE JUNCTION BOX AND 1/2" CONDUIT ONLY TO ACCESSIBLE CEILING SPACE FOR A/D DEVICE REQUIRING 2 A/V CONNECTIONS. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
8. LOGIC THROUGH FLOOR BOX LEGAND 841CPBK. COORDINATE FINAL LOCATION WITH OWNER.
A. (1) COMPARTMENT POWER - DUAL-X RECEPTACLE
B. (1) COMPARTMENT DATA RACK - BACTRA
C. (2) COMPARTMENT AV (4 A/V DEVICE CONNECTIONS) - 8MAP
D. (2) COMPARTMENT SPARE (BLANKS)
10. 4" CONDUIT SLEEVE FOR LOG AND A/V.
11. 2" CONDUIT SLEEVE FOR DATA AND A/V.

GENERAL NOTES

POWER

- EC SHALL COORDINATE WITH ALL OTHER TRADES DURING DEMOLITION AND CONSTRUCTION TO FACILITATE TIMELY WORK.
- ALL AREAS SHALL BE KEPT CLEAN AND CLEAR OF DEBRIS AT ALL TIMES.
- CONTRACTOR SHALL PATCH AND REPAIR ALL WALLS, CEILINGS ETC. TO MATCH EXISTING CONDITIONS.
- ROUTE ALL CONDUIT IN A NEAT AND ORDERLY FASHION. ALL CONDUIT IN FINISHED SPACES SHALL BE CONCEALED ABOVE CEILINGS OR IN WALLS UNLESS OTHERWISE INDICATED ON THE PLANS.
- BRANCH CIRCUITS SHALL NOT EXCEED 150 VOLTS DROPOFF.
- PROVIDE JUNCTION BOXES AND CONDUIT AS SHOWN. COORDINATE EXACT LOCATION WITH UNIQUE CIRCUIT DESCRIPTIONS PER NEC 404.1 FOR PANELS AFFECTED BY THIS PROJECT.
- WIRE COUNTS FOR CIRCUIT CONDUCTORS SHOULD BE PROVIDED. BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING, UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.
- DEVICES/EQUIPMENT SHOWN IN GRAY ARE EXISTING TO REMAIN, PRESERVE AND PROTECT. MAINTAIN EXISTING CIRCUIT INTEGRITY.

LIGHTING

- CIRCUIT EXIT AND EMERGENCY LIGHTS TO THE SAME CIRCUIT FEEDING THE LIGHTING IN THE AREA. NO UNBALANCED HOT CONDUCTOR UPSTREAM OF THE RELAY, POWER PACK, OR SWITCH TO EXIT AND EMERGENCY LIGHT FIXTURES.
- AREAS SHOWING OCCUPANCY/VACANCY SENSORS IDENTIFY SPACES WHERE THE LIGHTS IN THE SPACE ARE TO BE CONTROLLED BY OCCUPANCY/VACANCY SENSORS AND DO NOT NECESSARILY INDICATE EXACT QUANTITIES AND PLACEMENT. CONTRACTOR IS TO COORDINATE WITH THE LOCAL AUTHORITY HAVING JURISDICTION TO DETERMINE THE NUMBER OF SENSORS FOR A 90% MINIMUM COVERAGE OF THE SPACE. PROVIDE APPROPRIATE TYPE TO MATCH CEILING HEIGHT APPLICATION. PROVIDE RELAYS, POWER PACKS, ETC. AS REQUIRED FOR A COMPLETE INSTALLATION. INSTALL SENSORS A MINIMUM OF 3 FEET FROM DIFFUSERS. ALL OCCUPANCY SENSORS SHALL BE DIMMABLE.
- LIGHTING CALLOUTS ARE TYPICAL FOR OTHER LIGHTS IN THE ROOM OF THE SAME LUMINARE SYMBOL, UNLESS INDICATED OTHERWISE.
- EMERGENCY EGRESS LIGHTS SHALL BE WIRED SUCH THAT WHEN COMMERCIAL POWER FAULTS, EACH UNBALANCED HOT CONDUCTOR IS DISCONNECTED FROM THE BATTERY. REGARDLESS OF THE POSITION OF THE CONTROL DEVICE, RUN AN UNBALANCED HOT CONDUCTOR AHEAD OF THE SWITCHING DEVICE TO THE BATTERY/PACK/GENERATOR TRANSFER DEVICE FROM THE SAME CIRCUIT AS NORMAL FIXTURE OPERATION. LIGHTS TO BE SWITCHED AS SHOWN DURING NORMAL OPERATION.
- PROVIDE DIMMING WIRING FOR SPACES WHERE DIMMERS ARE SHOWN TO CONTROL LIGHTING FOR THAT SPACE.

FIRE

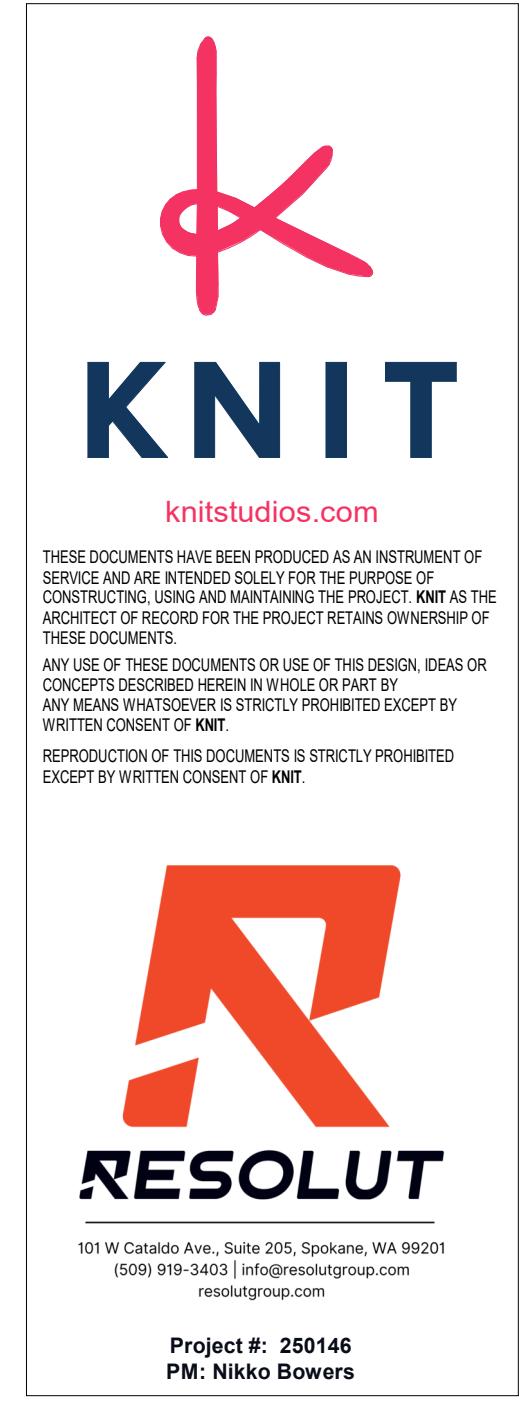
- CONTRACTOR TO MAKE PROVISIONS TO MEET THE INTELLIGIBILITY REQUIREMENTS OF NFPA 72 AND TEST AS REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
- PROVIDE A COMPLETE CODE COMPLIANT FIRE ALARM SYSTEM APPROVED BY THE AUTHORITY HAVING JURISDICTION. DEVICES SHOWN INDICATE DESIGN INTENT FOR THE SPACE. CONTRACTOR IS RESPONSIBLE FOR A CODE COMPLIANT SYSTEM FOR THE SPACE WHETHER OR NOT EXACT DESIGN DEVICES ARE SHOWN OR PROVIDED.
- THESE DRAWINGS ARE DIAGRAMMATIC. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS.
- INSTALLATION SHALL COMPLY WITH NEC, NFPA 72 AND ALL OTHER APPLICABLE CODES AS PROVIDED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
- FIRE RATINGS SHALL BE MAINTAINED FOR ALL PERMANENT THROUGH FIRE-RATED CONSTRUCTION.
- POWER FOR ALL FIRE ALARM PANELS AND FIRE ALARM POWER SUPPLIES MUST BE PROVIDED BY DEVICES SHOWN AS SHOWN.
- POWER-LIMITED AND NONPOWER-LIMITED CIRCUIT WIRING MUST REMAIN SEPARATED IN CABINET. ALL POWER-LIMITED CIRCUIT WIRING MUST REMAIN AT LEAST 0.25" AWAY FROM ANY NONPOWER-LIMITED CIRCUIT WIRING. FURTHERMORE, ALL POWER-LIMITED AND NONPOWER-LIMITED CIRCUIT WIRING MUST ENTER AND EXIT CABINET AT THE SAME POINT. NO KNOCK-OUT AND/OR SEPARATE CIRCUIT WIRING UTILIZING CLASS "M" CIRCUITS SEPARATE GROUND AND RETURN CONDUCTORS OF CLASS "Y" CIRCUITS BY A MINIMUM OF 12" WHERE RUN VERTICALLY AND 48" WHERE RUN HORIZONTALLY. WHEN UTILIZING SHIELDED CABLE, TIE SHIELDS THROUGH AND INSULATE AT EACH JUNCTION BOX. INSULATE AND TAPE BACK AT END.
- SMOKE DETECTORS SHALL NOT BE ACCEPTABLE TO THE FIRE ALARM EQUIPMENT MANUFACTURER FOR THE INTENDED PURPOSE.
- SMOKE DETECTORS SHALL NOT BE INSTALLED UNTIL AFTER CONSTRUCTION CLEAN-UP IS COMPLETED AND FINAL.
- SMOKE DETECTORS A MINIMUM OF THREE (3) FEET FROM MECHANICAL DIFFUSERS. WALL-MOUNTED SMOKE DETECTORS SHALL BE LOCATED A MINIMUM OF 4' AND A MAXIMUM OF 12' FROM CEILING. CEILING-MOUNTED SMOKE DETECTORS SHALL BE MOUNTED ON CEILINGS AND NOT ON THE BOTTOMS OF BEAMS OR JOISTS.
- PROVIDE SYNCHRONIZATION OF ALL VISUAL NOTIFICATION APPLIANCE CIRCUITS. PROVIDE ALL SYNC MODULES. SYNC MODULES PROVIDE A MULTI-SYNC MODE SLAVE CONNECTION BETWEEN ALL SYNC MODULES.
- VERIFY ALL FIELD SELECTABLE AUDIBILITY SETTINGS OF NOTIFICATION APPLIANCES WITH FIRE ALARM CONTRACTOR.
- FOR THE FIRE ALARM SYSTEM INSTALLATION AND PROGRAMMING, THE INSTALLING CONTRACTOR SHALL PERFORM FINAL TESTING OF THE ENTIRE SYSTEM. PER ALL APPLICABLE CODES, AND SHALL COORDINATE AND PERFORM A FINAL FIRE ALARM SYSTEM INSPECTION.
- PROVIDE FIRE ALARM DEVICES COMPATIBLE WITH EXISTING FIRE ALARM CONTROL PANEL.

LEVEL 2 ELECTRICAL PLANS

TITLE: LCSC PA LAB
PROJECT: Sam Glenn Complex 500 4th St Lewiston, ID 83501
CLIENT: Lewis Clark State College

JOB NO: 240128

E1.01



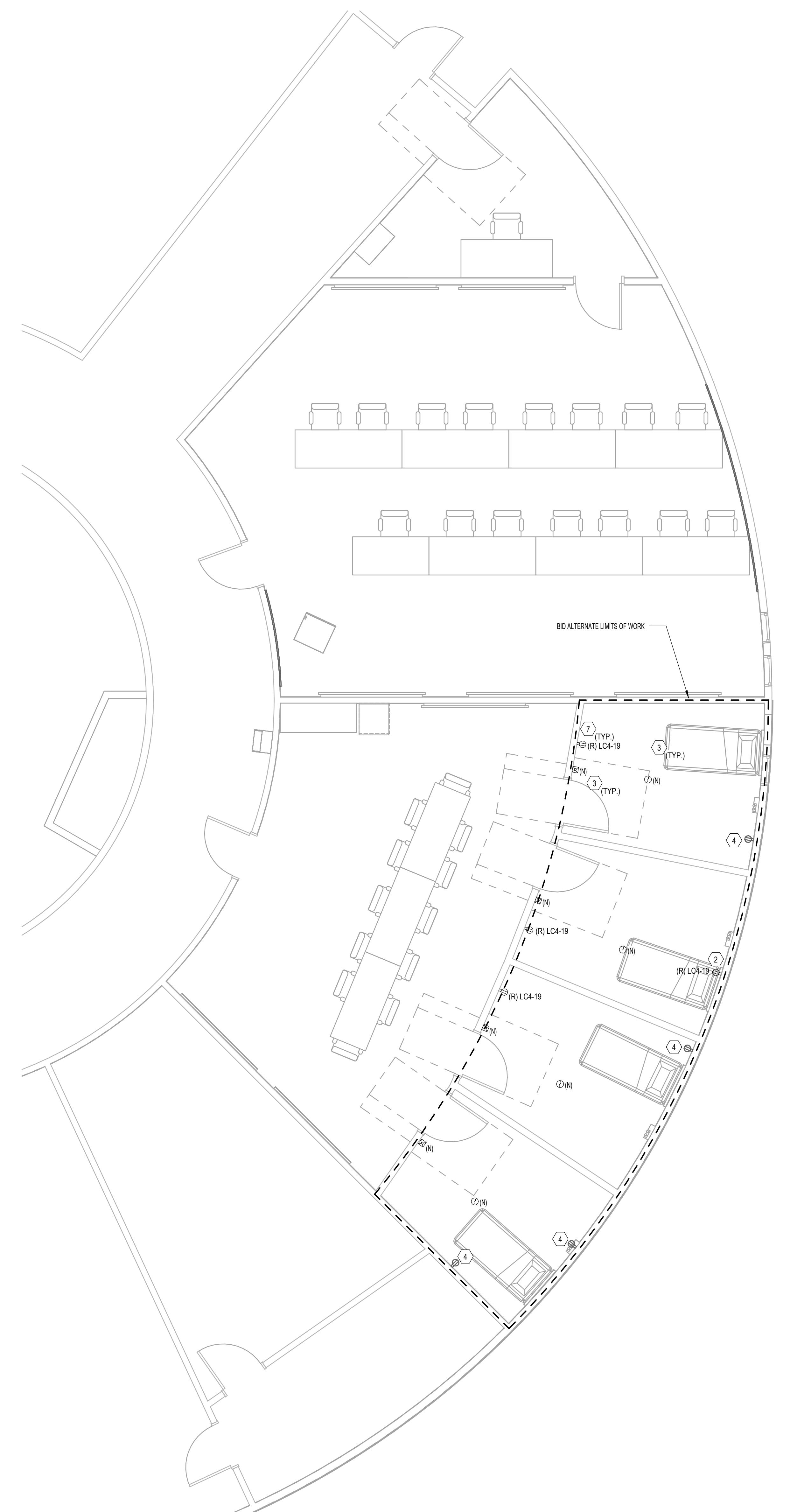
ISSUE DATE: 06.18.2025

REV DATE COMMENT

PROFESSIONAL ENGINEER
REGISTERED
LEWIS
06/18/2025
STATE OF WASHINGTON



1 ALTERNATE BID LEVEL 2 LIGHTING PLAN
E1.02 1/4" = 1'-0"



2 ALTERNATE BID LEVEL 2 POWER PLAN
E1.02 1/4" = 1'-0"

KEYED NOTES

1. UTILIZE EXISTING LIGHTING CIRCUIT ON PANEL 1003 FOR NEW LIGHT FIXTURES.
2. CONTRACTOR SHALL UTILIZE ABOVE THE CEILING SPACE AS MUCH AS POSSIBLE TO REDUCE SURFACE CONDUIT RUNS. EXISTING DEVICES THAT MATCH THE DESIGN INTENT MAY BE REUSED BUT SHALL BE REPLACED WITH NEW TO MATCH NEW DEVICES IN SPACE.
3. REMOVE AND INSTALL ADDRESSABLE FIRE ALARM DEVICE AS SHOWN. TIE TO EXISTING FIRE ALARM INITIATOR.
4. RECEPTACLE EXISTING TO REMAIN. REPLACE TRIM AND RECEPTACLE TO MATCH NEW DEVICES/CAMPUS STANDARDS.

KNIT
knitstudios.com
THESE DOCUMENTS HAVE BEEN PRODUCED AS AN INSTRUMENT OF SERVICE AND ARE INTENDED SOLELY FOR THE PURPOSE OF CONSTRUCTION. THEY ARE THE PROPERTY OF THE CONTRACTOR. THE ARCHITECT OF RECORD FOR THE PROJECT RETAINS OWNERSHIP OF THESE DOCUMENTS. ANY USE OF THESE DOCUMENTS OR USE OF THIS DESIGN, IDEAS OR CONCEPTS DESCRIBED HEREIN IN WHOLE OR PART, OR ANY REPRODUCTION THEREOF, IS PROHIBITED EXCEPT BY WRITTEN CONSENT OF KNIT.
REPRODUCTION OF THIS DOCUMENTS IS STRICTLY PROHIBITED EXCEPT BY WRITTEN CONSENT OF KNIT.

RESOLUT
101 W Cataldo Ave, Suite 205, Spokane, WA 99201
(509) 919-3403 | info@resolutgroup.com
resolutgroup.com
Project #: 250146
PM: Nikko Bowers

GENERAL NOTES

POWER

1. EC SHALL COORDINATE WITH ALL OTHER TRADES DURING DEMOLITION AND CONSTRUCTION TO FACILITATE THE WORK.
2. CONTRACTOR SHALL KEEP CLEAN AND CLEAR OF DEBRIS AT ALL TIMES.
3. CONTRACTOR SHALL PATCH AND REPAIR ALL WALLS, CEILINGS ETC. TO MATCH EXISTING CONDITIONS.
4. ROUTE ALL CONDUIT IN A NEAT AND ORDERLY FASHION. ALL CONDUIT IN FINISHED SPACES SHALL BE CONCEALED AND IN CEILINGS OR IN WALLS UNLESS OTHERWISE INDICATED ON THE PLANS.
5. CONTRACTOR SHALL PROVIDE ALL CONDUIT, TUBING, WIRE, TUBING, ETC.
6. PROVIDE UPDATED TYPED CIRCUIT DIRECTORY WITH UNIQUE CIRCUIT DESCRIPTIONS PER NEC 404.8 FOR PANELS AFFECTED BY THIS PROJECT.
7. WIRE COUNTS FOR CIRCUIT CONDUCTORS DO NOT EQUAL. PROVIDE NUMBER OF CONDUCTORS AND CIRCUIT LENGTHS FOR ALL WIRING CONNECTIONS SHOWN.
8. CIRCUIT NUMBERS AT DEVICES CORRESPOND TO BREAKERS. BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING. UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.
9. DEVICES/EQUIPMENT SHOWN IN GRAY ARE EXISTING TO REMAIN. PRESERVE AND PROTECT. MAINTAIN EXISTING CIRCUIT INTEGRITY.

LIGHTING

1. ENSURE EXIT AND EMERGENCY LIGHTS TO THE SAME CIRCUIT FEEDING THE LIGHTING IN THE AREA. RUN AN UNSWITCHED HOT CONDUCTOR UPSTREAM OF THE RELAY, POWER PACK, OR SWITCH TO EXIT AND EMERGENCY LIGHT FIXTURES.
2. AREAS SHOWING OCCUPANCY/VACANCY SENSORS IDENTIFY SPACES WHERE THE LIGHTS IN THE SPACE SHALL BE CONTROLLED BY OCCUPANCY/VACANCY SENSORS AND DO NOT NECESSARILY INDICATE THE POSITION OF THE SENSORS. PROVIDE APPROPRIATE CIRCUITING. CONSULT THE LOCAL MANUFACTURER'S REPRESENTATIVE FOR EXACT LOCATIONS AND QUANTITIES FOR A 95% MINIMUM COVERAGE OF THE SPACE. PROVIDE APPROPRIATE TYPE TO MATCH CEILING HEIGHT APPLICATION. PROVIDE RELAYS, POWER PACKS ETC. AS REQUIRED FOR A COMPLETE INSTALLATION. SENSORS SHALL BE SEPARATED BY A MINIMUM OF 3 FEET FROM DIFFUSERS. ALL OCCUPANCY SENSORS SHALL BE INTELLIGENT TECHNOLOGY.
3. LIGHTING CALLOUTS ARE TYPICAL FOR OTHER LIGHTS IN THE ROOM OF THE SAME LUMINARE SYMBOL UNLESS INDICATED OTHERWISE.
4. EMERGENCY EXIT LIGHTS SHALL BE WIRED SUCH THAT WHEN COMMERCIAL POWER FAILS, EACH EXIT DELIVERS A MINIMUM OF 1400 LUMENS OR ITS MAXIMUM LUMEN OUTPUT REGARDLESS OF THE POSITION OF THE CONTROL DEVICE. RUN AN UNSWITCHED HOT CONDUCTOR AHEAD OF THE SWITCHING DEVICE TO THE BATTERY PACK/GENERATOR TRANSFER DEVICE FROM THE SAME CIRCUIT AS NORMAL FIXTURE OPERATION. LIGHTS TO BE SWITCHED AS SHOWN DURING NORMAL OPERATION.
5. PROVIDE DIMMING WIRING FOR SPACES WHERE DIMMERS ARE SHOWN TO CONTROL LIGHTING FOR THAT SPACE.

FIRE ALARM

1. CONTRACTOR TO MAKE PROVISIONS TO MEET THE INTELLIGIBILITY REQUIREMENTS OF NFPA 72 AND TEST AS REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
2. PROVIDE A COMPLETE CODE COMPLIANT FIRE ALARM SYSTEM APPROVED BY THE AUTHORITY HAVING JURISDICTION. DEVICES SHOWN INDICATE DESIGN INTENT FOR THE SPACE. CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF THE SYSTEM FOR THE SPACE WHETHER OR NOT EXACT QUANTITY OF DEVICES ARE SHOWN OR NOT.
3. THESE DRAWINGS ARE DIAGRAMMATIC. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS.
4. CONTRACTOR SHALL COMPLY WITH NFPA 72 AND ALL OTHER APPLICABLE CODES AS REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
5. FIRE RATINGS SHALL BE MAINTAINED FOR ALL PENETRATIONS THROUGH FIRE-RATED CONSTRUCTION.
6. CONTRACTOR SHALL PROVIDE FIRE ALARM PANELS AND FIRE ALARM POWER SUPPLIES MUST BE PROVIDED BY A DEDICATED 480V BRANCH CIRCUIT.
7. POWER-LIMITED AND NON-POWER-LIMITED CIRCUIT WIRING MUST REMAIN SEPARATED IN CABINET. ALL POWER-LIMITED CIRCUIT WIRING MUST REMAIN AT LEAST 6.25" AWAY FROM ANY NON-POWER-LIMITED CIRCUIT WIRING. FURTHERMORE, ALL POWER-LIMITED AND NON-POWER-LIMITED CIRCUIT WIRING MUST ENTER THE CABINET THROUGH DIFFERENT CIRCUIT CUTS AND IN SEPARATE CONDUITS. WHEN UTILIZING CLASS "A" CIRCUITS, SEPARATE OUTGOING AND RETURN CONDUCTORS OF CLASS "A" CIRCUITS BY A MINIMUM OF 12" WHERE RUN VERTICALLY AND 48" WHERE RUN HORIZONTALLY. WHEN UTILIZING SHIELDED CABLE, TIE SHIELDS THROUGH AND INSULATE AT THE BOX. INSULATE AND TAPE BACK AT END.
8. ALL FIRE ALARM CABLEING SHALL BE ACCEPTABLE TO THE FIRE ALARM EQUIPMENT MANUFACTURER FOR THE INTENDED PURPOSE.
9. SMOKE DETECTORS SHALL NOT BE INSTALLED UNTIL AFTER CONSTRUCTION CLEAN-UP IS LOCATED.
10. LOCATE SMOKE DETECTORS A MINIMUM OF THREE (3) FEET FROM MECHANICAL DIFFUSERS. WALL-MOUNTED SMOKE DETECTORS SHALL BE LOCATED A MINIMUM OF 4" AND A MAXIMUM OF 12" FROM CEILING. CEILING-MOUNTED SMOKE DETECTORS SHALL BE MOUNTED ON CEILINGS AND NOT ON THE BOTTOM OF BEAMS OR JOISTS.
11. PROVIDE SYNC MODULES FOR ALL VISUAL NOTIFICATION APPLIANCE CIRCUITS. PROVIDE ALL REQUIRED SYNC MODULES. PROVIDE A MULTI SYNC MODE SLAVE CONNECTION BETWEEN ALL SYNC MODULES.
12. VERIFY ALL FIELD SELECTABLE AUDIBILITY SETTINGS OF NOTIFICATION APPLIANCES WITH FIRE ALARM EQUIPMENT MANUFACTURER.
13. UPON COMPLETION OF THE FIRE ALARM SYSTEM INSTALLATION AND PROGRAMMING, THE INSTALLING CONTRACTOR SHALL PERFORM FINAL TESTING OF THE ENTIRE SYSTEM. PER ALL APPLICABLE CODES, AND SHALL COORDINATE AND PERFORM A FINAL FIRE ALARM SYSTEM INSPECTION.
14. PROVIDE FIRE ALARM DEVICES COMPATIBLE WITH EXISTING FIRE ALARM CONTROL PANEL.

ALTERNATE BID LEVEL 2 ELECTRICAL PLANS

TITLE: LCSC PA LAB
PROJECT: Sam Glenn Complex 500 4th St Lewiston, ID 83501
CLIENT: Lewis Clark State College

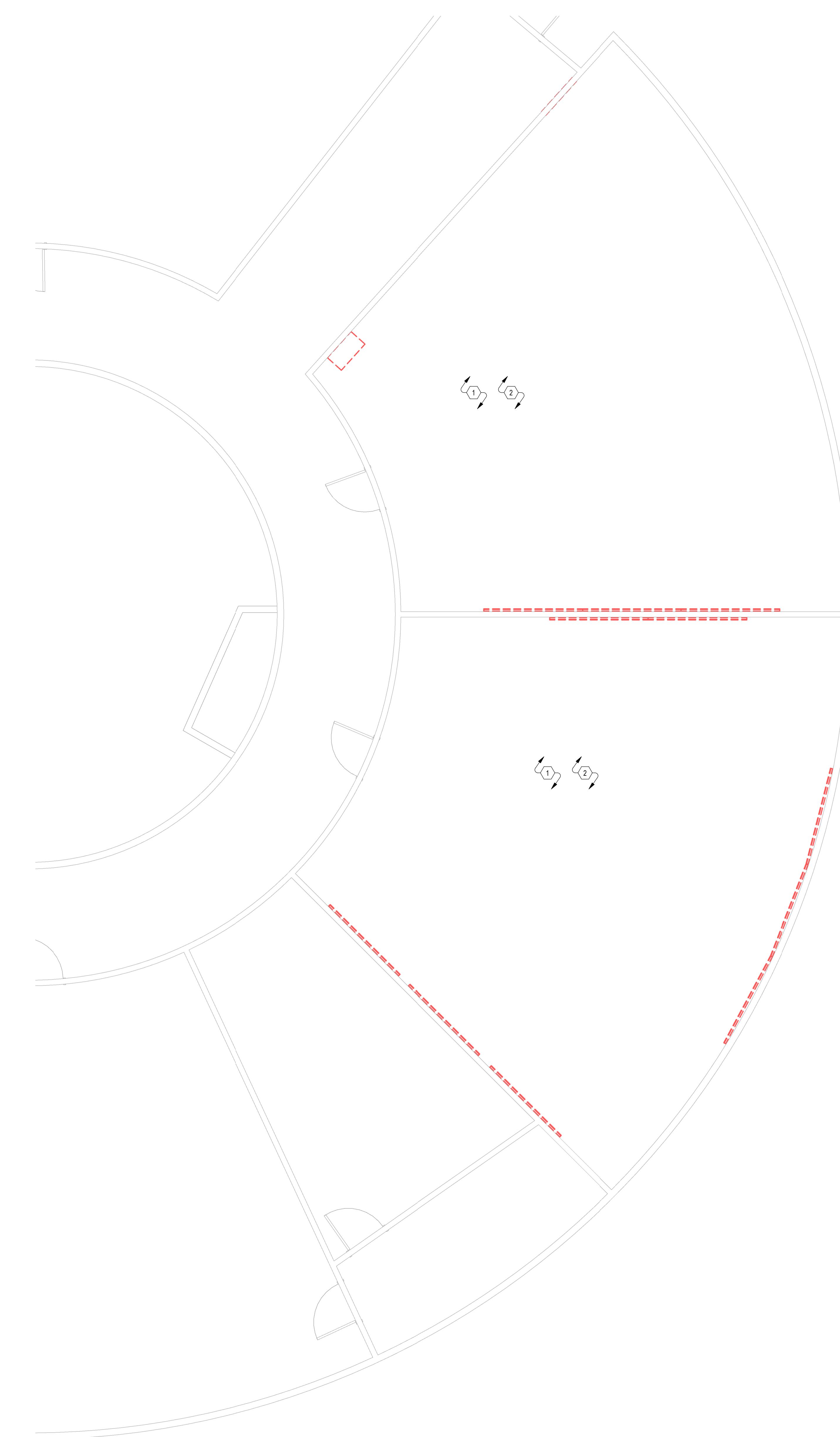
ISSUE DATE: 06.18.2025
REV DATE COMMENT

06/18/25
PROFESSIONAL ENGINEER
STATE OF IDAHO
LEWIS CLARK STATE COLLEGE
JOB NO: 240128
E1.02



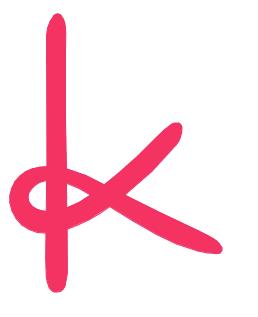
LEVEL 2 FIRE PROTECTION DEMO PLAN

1/4" = 1'-0"



KEYNOTES

- 1 THE FIRE SPRINKLER CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF THE EXISTING FIRE SPRINKLERS. ADD/REPOSITION EXISTING SPRINKLER LOCATION WITH A NEW SPRINKLER HEAD AS NECESSARY FOR THE REMODELED SPACE, INCLUDING NEW FLOOR PLAN CEILING PLAN AND CEILING HEIGHT ADJUSTMENTS, MODIFY SPRINKLER PIPING AS REQUIRED, TYPICAL REFER TO THE ARCHITECTURAL SHEETS FOR THE COMPLETE SCOPE OF THE PROJECT.
- 2 EXISTING HEADS TO REMAIN IN PLACE AS MUCH AS POSSIBLE



KNIT

knitstudios.com

THESE DOCUMENTS HAVE BEEN PRODUCED AS AN INSTRUMENT OF
SERVICE AND ARE INTENDED SOLELY FOR THE PURPOSE OF
CONTRACTING FOR SERVICES. THE CONTRACTOR AGREES THAT THE
ARCHITECT OF RECORD FOR THE PROJECT RETAINS OWNERSHIP OF
ANY USE OF THESE DOCUMENTS OR USE OF THE DESIGN, IDEAS OR
CONCEPTS DESCRIBED HEREIN IN WHOLE OR PART BY
THE CONTRACTOR OR ANYONE ACTING ON THE CONTRACTOR'S BEHALF, EXCEPT BY
WRITTEN CONSENT OF ANT.
REPRODUCTION OF THIS DOCUMENT IS STRICTLY PROHIBITED
EXCEPT BY WRITTEN CONSENT OF ANT.

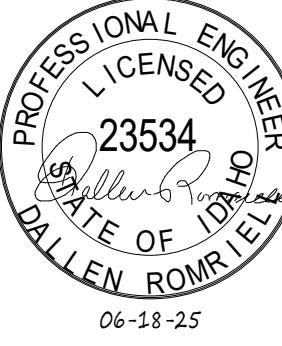


101 W Cataldo Ave, Suite 205, Spokane, WA 99201
(509) 919-3403 | info@resolutgroup.com
resolutgroup.com

Project #: 250146

ISSUE DATE: 06.18.2025

REV DATE COMMENT

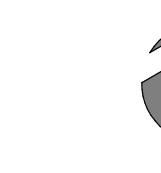
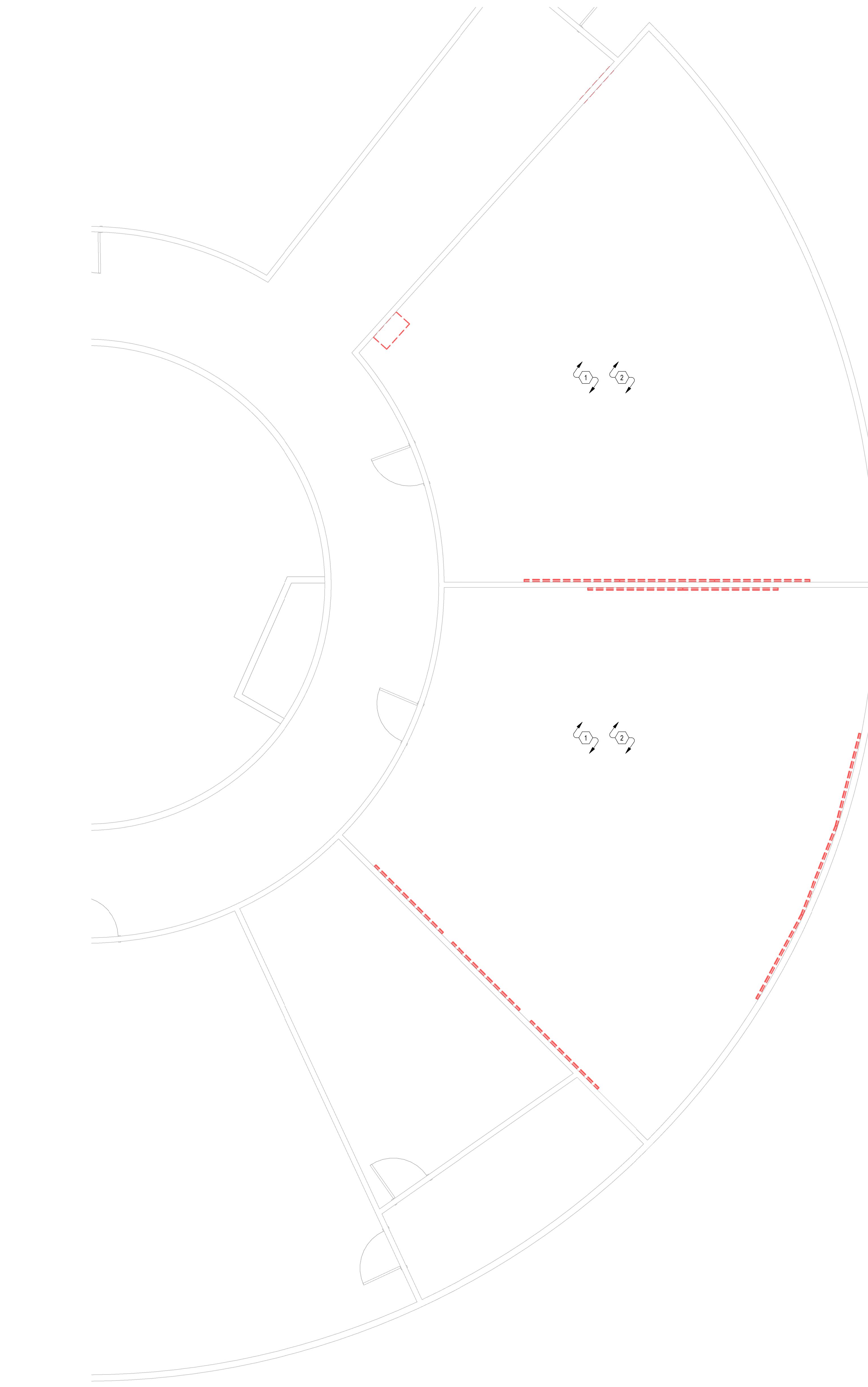


LEVEL 2 FIRE PROTECTION DEMO PLAN

TITLE: LEVEL 2 FIRE PROTECTION DEMO PLAN
PROJECT: LCSC PA LAB
CLIENT: Sam Glenn Complex 500 4th St Lewiston, ID 83501
Lewis Clark State College

JOB NO: 240128

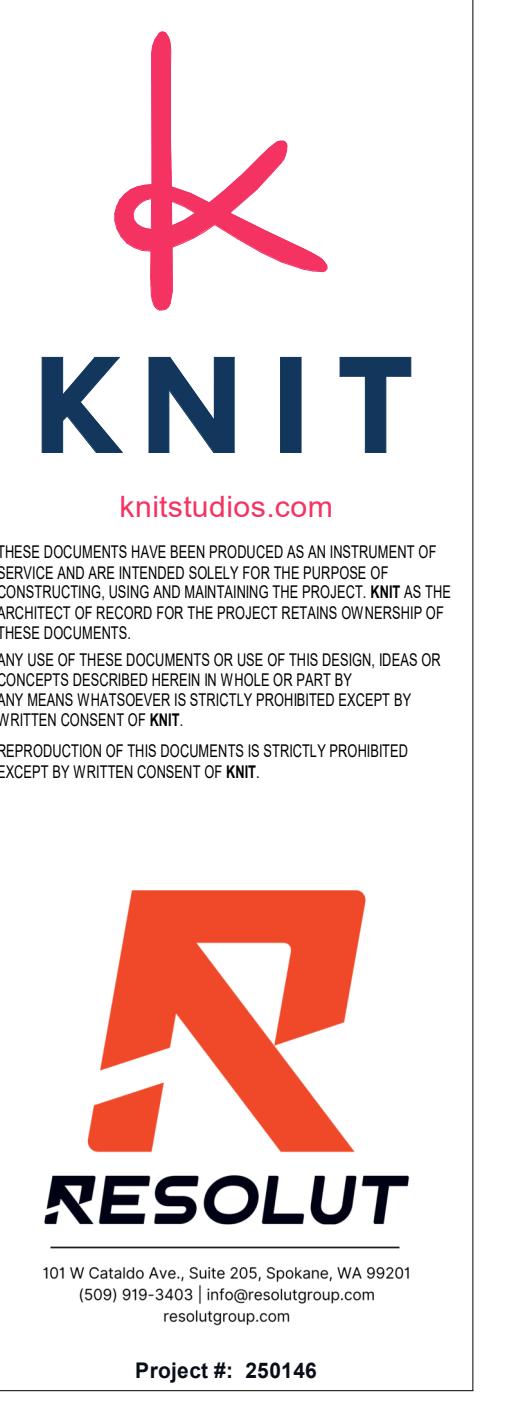
FD1.01



ALTERNATE BID LEVEL 2 FIRE PROTECTION DEMO PLAN

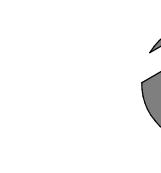
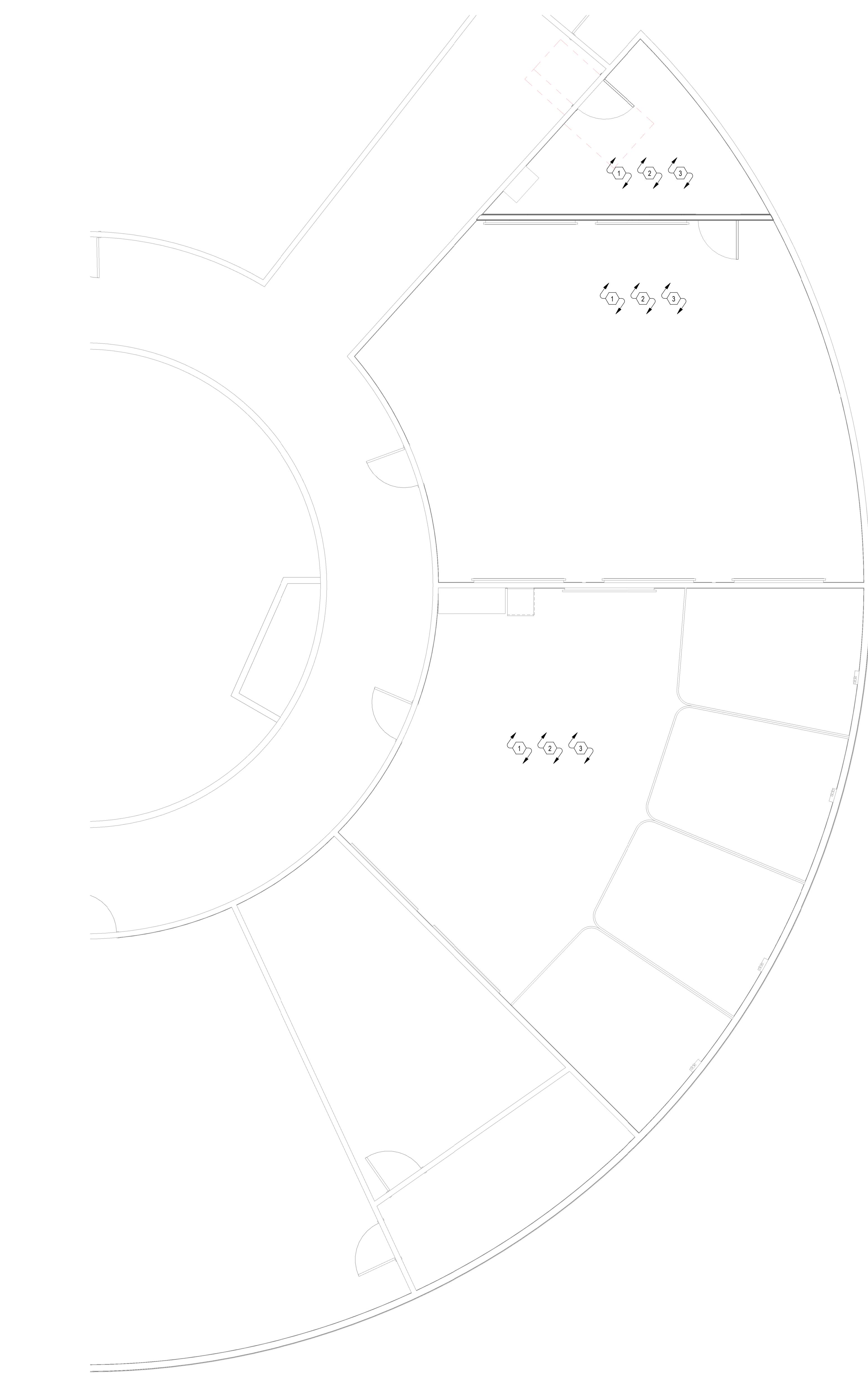
1/4" = 1'-0"

KEYNOTES	
1	THE FIRE SPRINKLER CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF THE EXISTING FIRE SPRINKLERS. ADD/REPOSITION EXISTING SPRINKLER LOCATION WITH A NEW SPRINKLER HEAD AS NECESSARY FOR THE REMODELED SPACE, INCLUDING NEW FLOOR PLAN/CEILING PLAN AND CEILING HEIGHT ADJUSTMENTS, MODIFY SPRINKLER PIPING AS REQUIRED, TYPICAL REFER TO THE ARCHITECTURAL SHEETS FOR THE COMPLETE SCOPE OF THE PROJECT.
2	EXISTING HEADS TO REMAIN IN PLACE AS MUCH AS POSSIBLE



ISSUE DATE: 06.18.2025		
REV	DATE	COMMENT

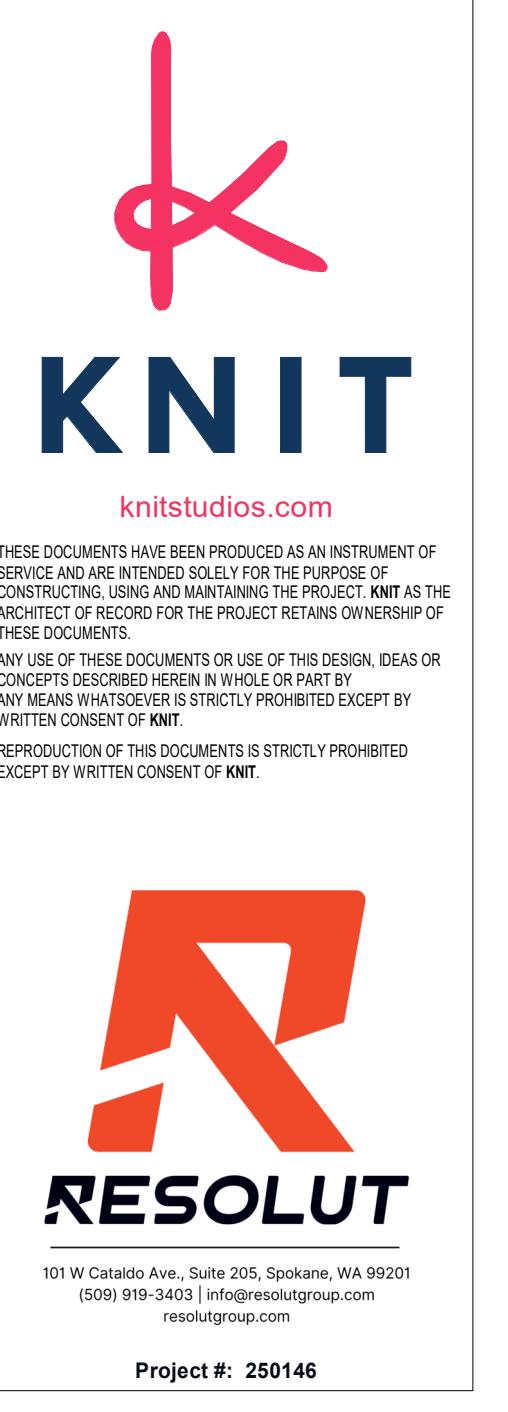
	TITLE	ALTERNATE BID LEVEL 2 FIRE PROTECTION DEMO	
	PROJECT	LCSC PA LAB	Sam Glenn Complex 500 4th St Lewiston, ID 83501
	CLIENT	Lewis Clark State College	
JOB NO:	240128		
FD1.02			



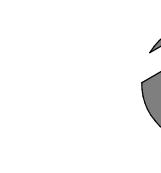
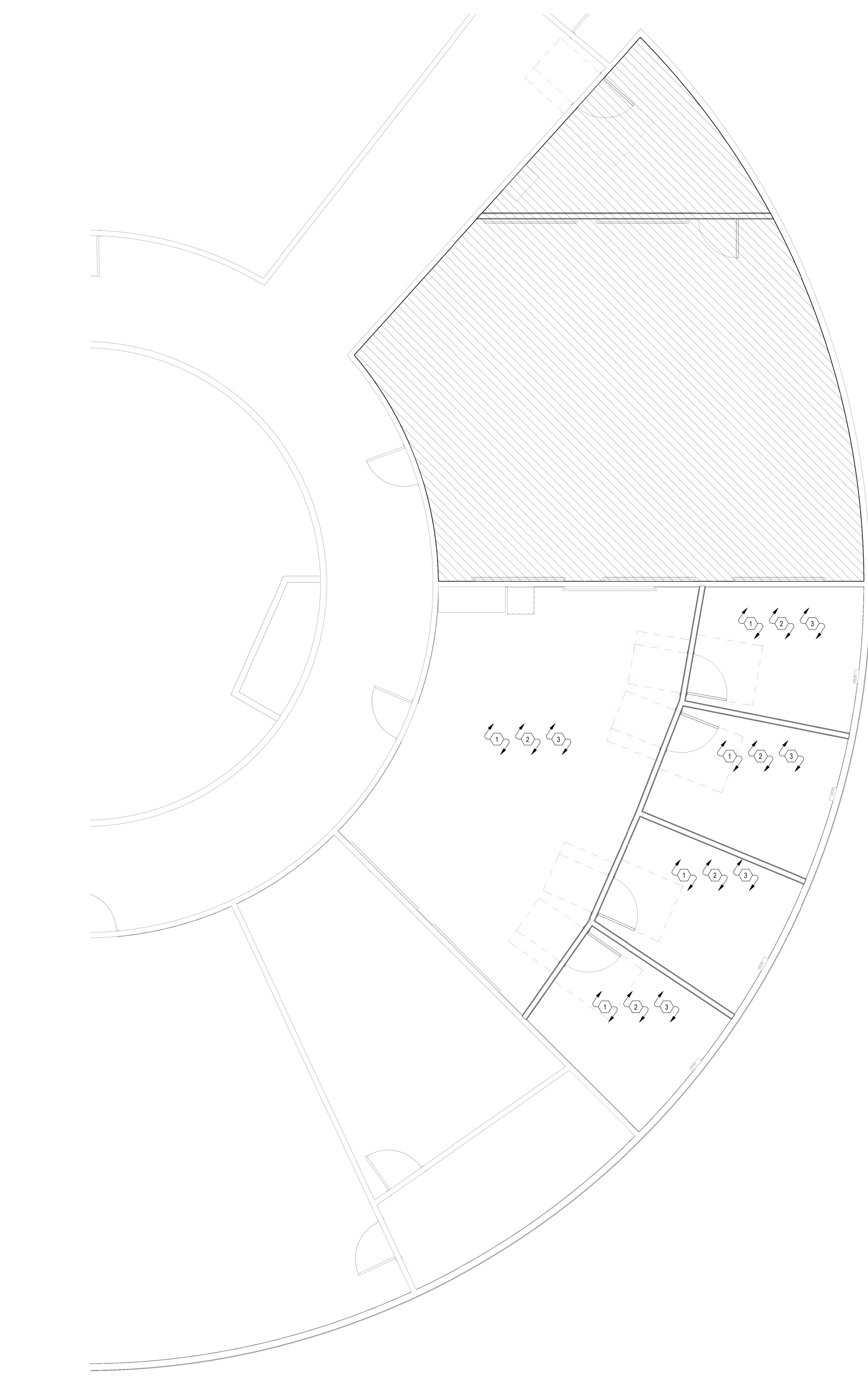
LEVEL 2 FIRE PROTECTION PLAN

1/4" = 1'-0"

KEYNOTES		
1	THE FIRE SPRINKLER CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF THE EXISTING FIRE SPRINKLERS. ADD/REPOSITION EXISTING SPRINKLER LOCATION WITH A NEW SPRINKLER HEAD AS NECESSARY FOR THE REMODELED SPACE, INCLUDING NEW FLOOR PLAN CEILING PLAN AND CEILING HEIGHT ADJUSTMENTS, MODIFY SPRINKLER PIPING AS REQUIRED, TYPICAL REFER TO THE ARCHITECTURAL SHEETS FOR THE COMPLETE SCOPE OF THE PROJECT.	
2	FIRE SPRINKLERS SHALL BE INSTALLED TO MEET NFPA 13-2019, TYPICAL.	
3	ANY NEW ADDS SHALL MATCH THE CHARACTERISTIC AND PERFORMANCE OF EXISTING SPRINKLERS.	



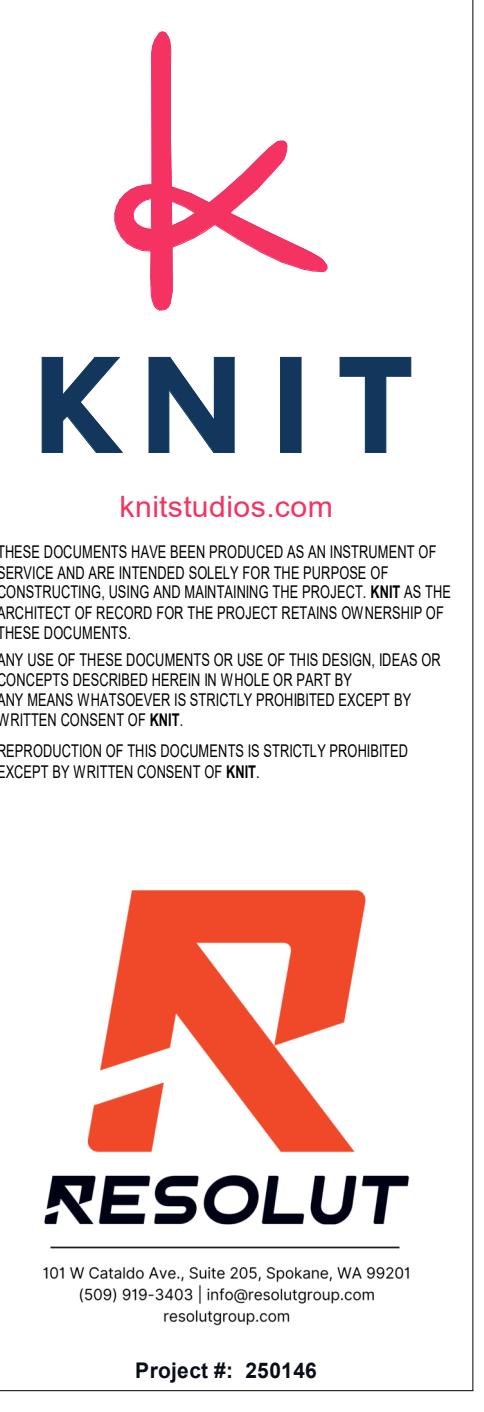
ISSUE DATE: 06.18.2025		
REV	DATE	COMMENT
TITLE	LEVEL 2 FIRE PROTECTION PLAN	
PROJECT	LCSC PA LAB	Sam Glenn Complex 500 4th St Lewiston, ID 83501
CLIENT	Lewis Clark State College	
JOB NO:	240128	
F1.01		



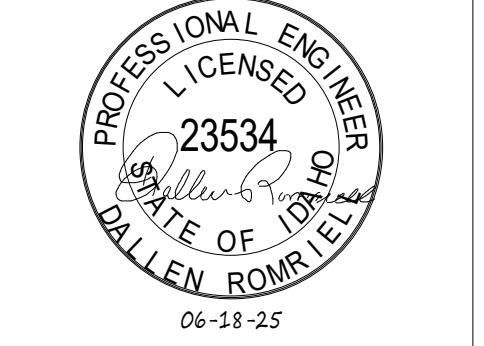
ALTERNATE BID LEVEL 2 FIRE PROTECTION PLAN

1/4" = 1'-0"

KEYNOTES	
1	THE FIRE SPRINKLER CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF THE EXISTING FIRE SPRINKLERS. ADD/REPOSITION EXISTING SPRINKLER LOCATION WITH A NEW SPRINKLER HEAD AS NECESSARY FOR THE REMODELED SPACE, INCLUDING NEW FLOOR PLAN CEILING PLAN AND CEILING HEIGHT ADJUSTMENTS, MODIFY SPRINKLER PIPING AS REQUIRED, TYPICAL REFER TO THE ARCHITECTURAL SHEETS FOR THE COMPLETE SCOPE OF THE PROJECT.
2	FIRE SPRINKLERS SHALL BE INSTALLED TO MEET NFPA 13-2019, TYPICAL.
3	ANY NEW ADDS SHALL MATCH THE CHARACTERISTIC AND PERFORMANCE OF EXISTING SPRINKLERS.



REV	DATE	COMMENT
	06.18.2025	



TITLE	ALTERNATE BID LEVEL 2 FIRE PROTECTION PLAN
PROJECT	LCSC PA LAB
CLIENT	Lewis Clark State College
JOB NO.	240128

F1.02