

BID DOCUMENTS

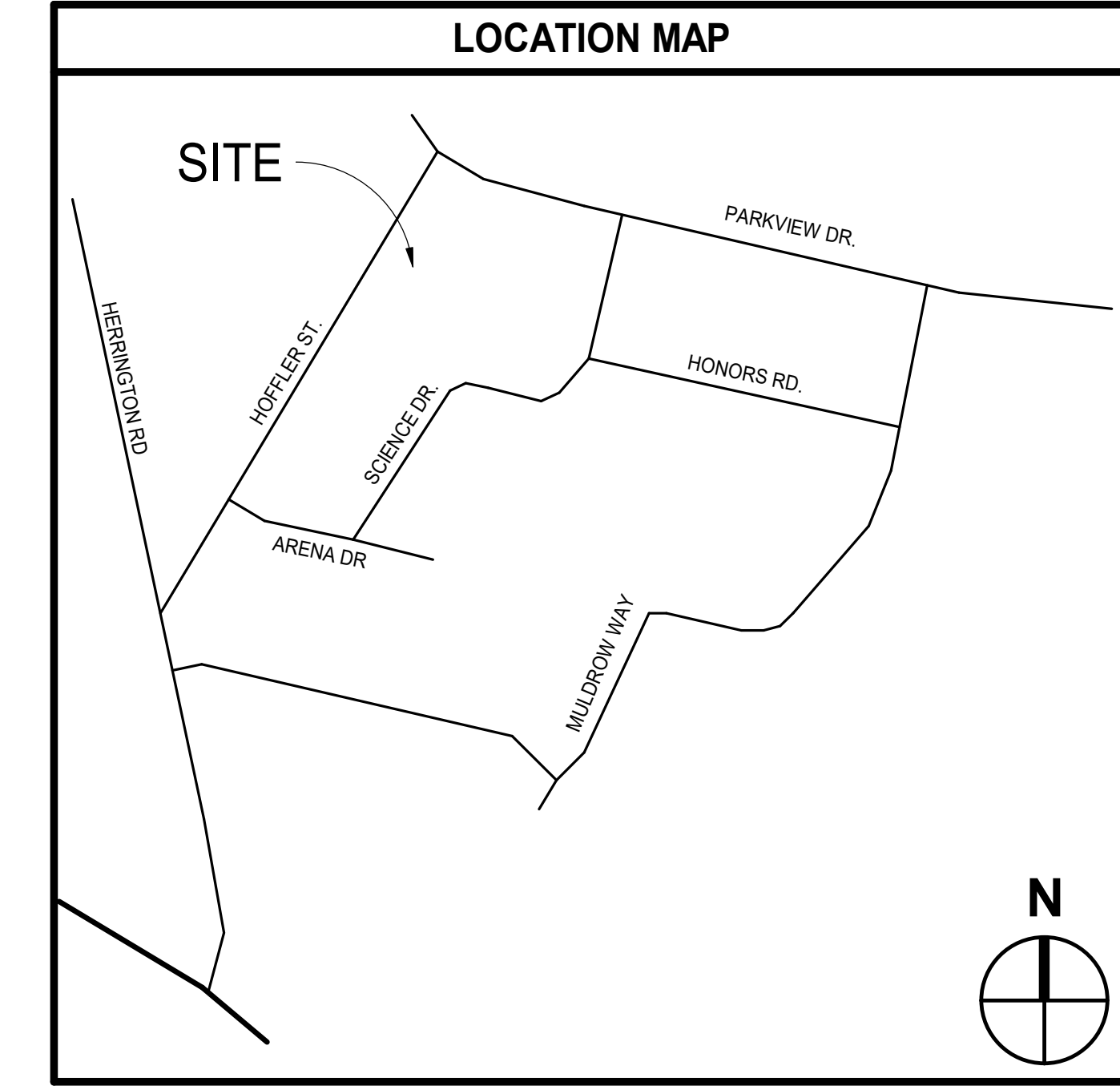
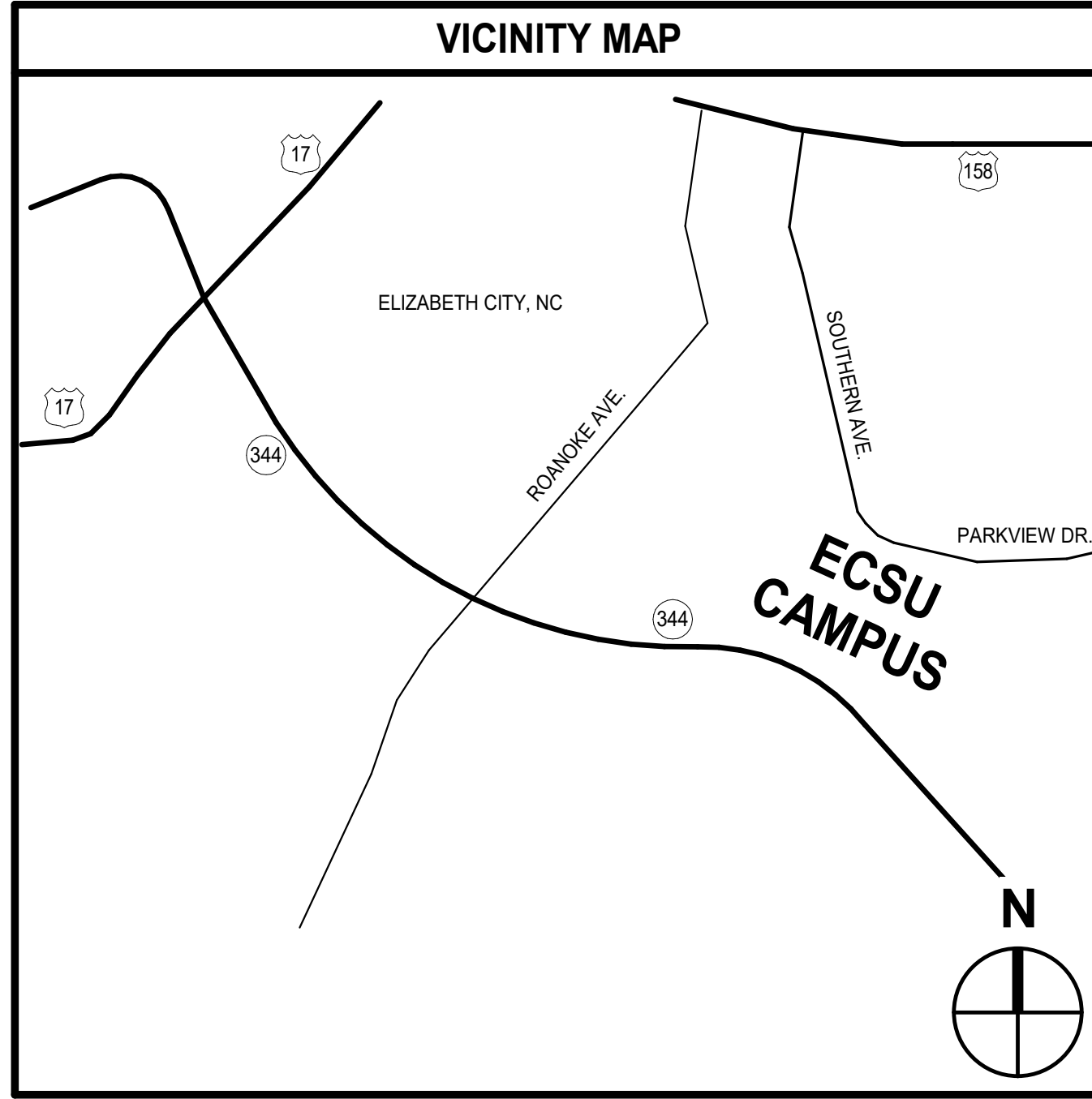
# JENKINS LAB RENOVATION

## ELIZABETH CITY STATE UNIVERSITY ELIZABETH CITY, NC

SCO# 23-27244-02A

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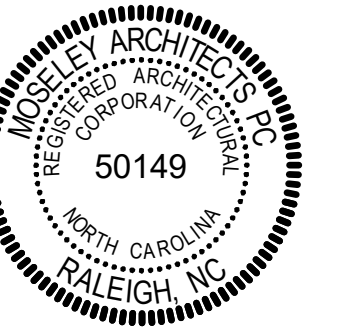
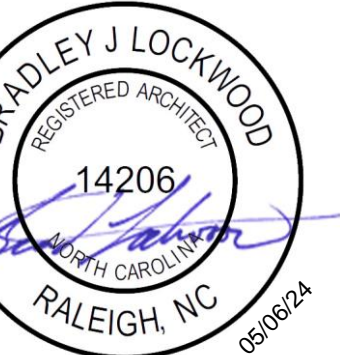
911 N. WEST STREET, SUITE 205 RALEIGH, NORTH CAROLINA 27603  
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**JENKINS LAB RENOVATION**

SCO ID# 23-27244-02A  
ELIZABETH CITY STATE UNIVERSITY  
1414 HOFFLER ST, ELIZABETH CITY, NC 27909

PROJECT NO:	63228
DATE:	MAY 8, 2024
REVISIONS	
DATE	DESCRIPTION

COVER

**G0.1**

THE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL.  
IN CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

CODE DATA SUMMARY

THIS SUMMARY DOES NOT IDENTIFY ALL APPLICABLE CODE SECTIONS AND IS A SUMMARY OF SELECTED CODE SECTIONS ONLY. CODE SECTIONS NOT IDENTIFIED OR OTHERWISE INDICATED DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO COMPLY WITH APPLICABLE CODES, STANDARDS, AND REGULATIONS TO COMPLETE THE WORK.

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS (EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)

Name of Project: Elizabeth City State University - Jenkins Laboratory Renovation
Address: 3704 Weaverville Road, Elizabeth City, NC
Owner/Authorized Agent: Ryan Spink...

CONTACT: Moseley Architects, Brad Lockwood
DESIGNER: FIRM, NAME, LICENSE #, TELEPHONE #, E-MAIL
Architectural: Moseley Architects, Brad Lockwood, 14206, (919) 840-0091

2018 NC BUILDING CODE: [ ] New Building [ ] Addition [x] Renovation
[ ] 1st Time Interior Completion
[ ] Shell/Close - Contact the local inspection jurisdiction for possible additional procedures and requirements

2018 NC EXISTING BUILDING CODE - EXISTING: [ ] Prescriptive [ ] Repair [ ] Chapter 14
Alteration: [x] Level I [x] Level II [ ] Level III
[ ] Historic Property [ ] Change of Use

CONSTRUCTED: (date) 12/15/1987 CURRENT OCCUPANCY(S) (Ch. 3): B-Business
RENOVATED: (date) 4/22/2021 PROPOSED OCCUPANCY(S) (Ch. 3): B-Business

RISK CATEGORY (Table 1604.5): Current: [ ] I [x] II [ ] III [ ] IV
Proposed: [ ] I [x] II [ ] III [ ] IV

BASIC BUILDING DATA
Construction Type: [ ] I-A [x] II-A [ ] III-A [ ] IV [ ] V-A
[ ] I-B [x] II-B [ ] III-B [ ] V-B
Sprinklers: [x] No [ ] Partial [ ] Yes NFPA 13 [ ] NFPA 13R [ ] NFPA 13D
Standpipes: [x] No [ ] Yes Class [ ] I [ ] II [ ] III [ ] Wet [ ] Dry
Fire District: [ ] No [ ] Yes Flood Hazard Area: [ ] No [ ] Yes

Gross Building Area Table
FLOOR EXISTING (SQFT) NEW (SQFT) SUB-TOTAL
4th Floor 6,213 0 6,213
3rd Floor 9,883 0 9,883
2nd Floor 12,999 0 12,999
1st Floor 27,116 0 27,116
Basement 0 0 0
TOTAL 56,211 0 56,211

ALLOWABLE AREA
Primary Occupancy Classification:
Assembly [ ] A-1 [ ] A-2 [ ] A-3 [ ] A-4 [ ] A-5
Business [x]
Educational [ ]
Factory [ ] F-1 Moderate [ ] F-2 Low
Hazardous [ ] H-1 Detonate [ ] H-2 Deflagrate [ ] H-3 Combust [ ] H-4 Health [ ] H-5 HPM
Institutional [ ] I-1 Condition [ ] I-2 [ ] I-3 Condition [ ] I-4 [ ] I-5
Mercantile [ ]
Residential [ ] R-1 [ ] R-2 [ ] R-3 [ ] R-4
Storage [ ] S-1 Moderate [ ] S-2 Low [ ] High-piled
[ ] Parking Garage [ ] Open [ ] Enclosed [ ] Repair Garage
Utility and Miscellaneous [ ]

2018 NC Administrative Code and Policies Revised 6/15/2020
Incidental Uses (Table 509): N/A
Special Uses (Chapter 4 - List Code Sections):
Special Provisions: (Chapter 5 - List Code Sections):
Mixed Occupancy: [ ] No [x] Yes Separation: 0 Hr. Exception:
[ ] Non-Separated Use (508.3) - The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.
[ ] Separated Use (508.4) - See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.
Actual Area of Occupancy A + Actual Area of Occupancy B
Allowable Area of Occupancy A + Allowable Area of Occupancy B <= 1.00

Table with 4 columns: STORY NO., DESCRIPTION AND USE, (A) REG. AREA PER STORY (ACTUAL), (B) TABLE 506.2 AREA, (C) AREA FOR FRONTAGE INCREASES, (D) ALLOWABLE AREA PER STORY OR UNLIMITED

Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = (F)
b. Total Building Perimeter = (P)
c. Ratio (F/P) = (F/P)
d. W = Minimum width of public way = (W)
e. Percent of frontage increase I = 100(F/P - 0.25) x W/30 = (%)
Unlimited area applicable under conditions of Section 507.
Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
The maximum area of open parking garages must comply with Table 406.5.4.
Frontage increase is based on the unspinklered area value in Table 506.2.

ALLOWABLE HEIGHT
Table with 4 columns: ALLOWABLE, SHOWN ON PLANS, CODE REFERENCE
Building Height in Feet (Table 504.3): 65, 54, Table 504.3
Building Height in Stories (Table 504.4): 5, 4, Table 504.4

Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.
The maximum height of air traffic control towers must comply with Table 412.3.1.
The maximum height of open parking garages must comply with Table 406.5.4.

FIRE PROTECTION REQUIREMENTS

Table with 7 columns: BUILDING ELEMENT, FIRE SEPARATION DISTANCE (FEET), RATED, BATING PROVIDED (% REDUCTION), DETAIL # AND SHEET #, DESIGN # FOR RATED ASSEMBLY, SHEET # FOR RATED PENETRATION, SHEET # FOR RATED JOINTS

\* Indicate section number permitting reduction

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PERCENTAGE OF WALL OPENING CALCULATIONS
Table with 4 columns: FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES, DEGREE OF OPENNESS PROTECTION (TABLE 705.8), ALLOWABLE AREA (%), ACTUAL SHOWN ON PLANS (%)

LIFE SAFETY SYSTEM REQUIREMENTS
Emergency Lighting: [ ] No [x] Yes
Exit Signs: [ ] No [x] Yes
Fire Alarm: [ ] No [x] Yes
Smoke Detection Systems: [ ] No [x] Yes [ ] Partial
Carbon Monoxide Detection: [ ] No [x] Yes

LIFE SAFETY PLAN REQUIREMENTS

- Life Safety Plan Sheet #: LS1.1.0
[ ] Fire and/or smoke rated wall locations (Chapter 7)
[ ] Assumed and real property line locations (if not on the site plan)
[ ] Exterior wall opening area with respect to distance to assumed property lines (705.8)
[ ] Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
[ ] Occupant loads for each area
[ ] Exit sign locations (1013)
[ ] Exit access travel distances (1017)
[ ] Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))
[ ] Dead end lengths (1020.4)
[ ] Clear exit widths for each exit door
[ ] Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
[ ] Actual occupant load for each exit door
[ ] A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
[ ] Location of doors with panic hardware (1010.1.10)
[ ] Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
[ ] Location of doors with electromagnetic egress locks (1010.1.9.9)
[ ] Location of doors equipped with hold-open devices
[ ] Location of emergency escape windows (1030)
[ ] The square footage of each fire area (202)
[ ] The square footage of each smoke compartment for Occupancy Classification 1-2 (407.5)
[ ] Note any code exceptions or table notes that may have been utilized regarding the items above

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ACCESSIBLE DWELLING UNITS (SECTION 1107)
Table with 8 columns: UNIT CLASSIFICATION, TOTAL UNITS, ACCESSIBLE UNITS REQUIRED, ACCESSIBLE UNITS PROVIDED, TYPE A UNITS REQUIRED, TYPE A UNITS PROVIDED, TYPE B UNITS REQUIRED, TYPE B UNITS PROVIDED, TOTAL ACCESSIBLE UNITS PROVIDED

ACCESSIBLE PARKING (SECTION 1106)
Table with 5 columns: LOT OR PARKING AREA, TOTAL # OF PARKING SPACES REQUIRED, # OF ACCESSIBLE SPACES PROVIDED, # OF 96" SPACES, # OF 132" SPACES, TOTAL # ACCESSIBLE SPACES PROVIDED

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)
Table with 10 columns: USE, WATER CLOSETS, URINALS, LAVATORIES, SHOWERS, DRINKING FOUNTAINS, SINKS, SLOTTED DRAINAGE, OTHER

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)

ENERGY SUMMARY

ENERGY REQUIREMENTS:
The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Existing building envelope complies with code: [ ] No [x] Yes (The remainder of this section is not applicable)

Exempt Building: [x] No [ ] Yes (Provide code or statutory reference:
Climate Zone: [x] 3A [ ] 4A [ ] 5A
Method of Compliance: Energy Code [ ] Performance [ ] Prescriptive
ASHRAE 90.1 [ ] Performance [ ] Prescriptive
(IF "Other" specify source here)

THERMAL ENVELOPE (Prescriptive method only)

Roof/Ceiling Assembly (each assembly)
Description of assembly: Existing to Remain
U-Value of total assembly: 0.042
R-Value of insulation: 18.0
Skylights in each assembly:
U-Value of skylight:
total square footage of skylights in each assembly:
Exterior Walls (each assembly)
Description of assembly: Existing to Remain
U-Value of total assembly: 0.102
R-Value of insulation: 5.0
Openings (windows or doors with glazing)
U-Value of assembly:
Solar heat gain coefficient:
projection factor:
Door R-Values:
Walls below grade (each assembly)
Description of assembly: Existing to Remain
U-Value of total assembly:
R-Value of insulation:
Floors over unconditioned space (each assembly)
Description of assembly: Existing to Remain
U-Value of total assembly:
R-Value of insulation:
Floors slab on grade
Description of assembly: Existing to Remain
U-Value of total assembly:
R-Value of insulation:
Horizontal/vertical requirement:
slab heated:

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2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS STRUCTURAL DESIGN (PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)

DESIGN LOADS:

Importance Factors: Snow (Is)
Seismic (Ie)
Live Loads: Roof psf
Mezzanine psf
Floor psf
Ground Snow Load: psf
Wind Load: Ultimate Wind Speed Exposure Category mph (ASCE-7)

SEISMIC DESIGN CATEGORY

Risk Category (Table 1604.5)
Spectral Response Acceleration
Site Classification (ASCE 7)
Data Source: [ ] Field Test [ ] Presumptive [ ] Historical Data
Basic structural system: [ ] Bearing Wall [ ] Dual w/Special Moment Frame [ ] Building Frame [ ] Dual w/Intermediate R/C or Special Steel [ ] Moment Frame [ ] Inverted Pendulum [ ] Equivalent Lateral Force [ ] Dynamic
Analysis Procedure: [ ] Simplified [ ] Yes [ ] No
Architectural, Mechanical, Components anchored? [ ] Yes [ ] No

LATERAL DESIGN CONTROL: Earthquake [ ] Wind [ ]

SOIL BEARING CAPACITIES:

Field Test (provide copy of test report) psf
Presumptive Bearing capacity psf
Pile size, type, and capacity psf

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS MECHANICAL DESIGN (PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone

winter dry bulb: 25°F
summer dry bulb: 86°F

Interior design conditions

winter dry bulb: 70°F
summer dry bulb: 75°F
relative humidity: 50%

Building heating load: 157 MBH (E)
Building cooling load: 157 Tons (E)

Mechanical Spacing Conditioning System

Unitary
description of unit: Existing
heating efficiency: Existing
cooling efficiency: Existing
size category of unit: Existing
Boiler
Size category: If oversized, state reason: 1614 MBH (E)
Chiller
Size category: If oversized, state reason: 161 Tons (E)
List equipment efficiencies: Existing

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS ELECTRICAL DESIGN (PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance: Energy Code [ ] Performance [x] Prescriptive
ASHRAE 90.1 [ ] Performance [ ] Prescriptive

Lighting schedule (each fixture type)

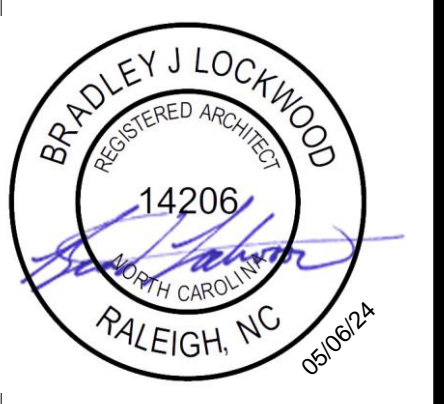
lamp type required in fixture
number of lamps in fixture
ballast type used in the fixture
number of ballasts in fixture
total wattage per fixture
total interior wattage specified vs. allowed (whole building or space by space)
total exterior wattage specified vs. allowed

Additional Efficiency Package Options (When using the 2018 NCECC; not required for ASHRAE 90.1)

- [ ] C406.2 More Efficient HVAC Equipment Performance
[x] C406.3 Reduced Lighting Power Density
[ ] C406.4 Enhanced Digital Lighting Controls
[ ] C406.5 On-Site Renewable Energy
[ ] C406.6 Dedicated Outdoor Air System
[ ] C406.7 Reduced Energy Use in Service Water Heating

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MOSELEY ARCHITECTS



JENKINS LAB RENOVATION
SCO ID# 23-27244-02A
ELIZABETH CITY STATE UNIVERSITY
1414 HOFFLER ST, ELIZABETH CITY, NC 27909

PROJECT NO: 63238
DATE: MAY 6, 2024
REVISIONS
DATE DESCRIPTION

APPENDIX B - CODE SUMMARY

LS1.0

5/6/2024 10:07:14 AM

OCCUPANCY SCHEDULE										
SPACE NUMBER	SPACE NAME	USE CLASSIFICATION	USED TO DETERMINE OCCUPANCY FACTOR ONLY	FLOOR AREA PER OCCUPANT	SF	AREA GROSS	NET	TABULAR	OCCUPANCY LOAD ACTUAL	DESIGN
116	BIOLOGY LAB	B	BUSINESS AREA	100 SF	1181	*		12	12	12
125	BIOLOGY LAB	B	BUSINESS AREA	100 SF	1187	*		12	12	12
126	PREP LAB	B	BUSINESS AREA	100 SF	421	*		5	5	5
									29	29

OCCUPANCY NOTE: RENOVATION OF EXISTING LABS AND PREP LABS DOES NOT INCREASE OR DECREASE THE OCCUPANT LOAD OF THE FIRST FLOOR

### LIFE SAFETY SYMBOL LEGEND

APPLIES TO LS SERIES OF DRAWINGS ONLY

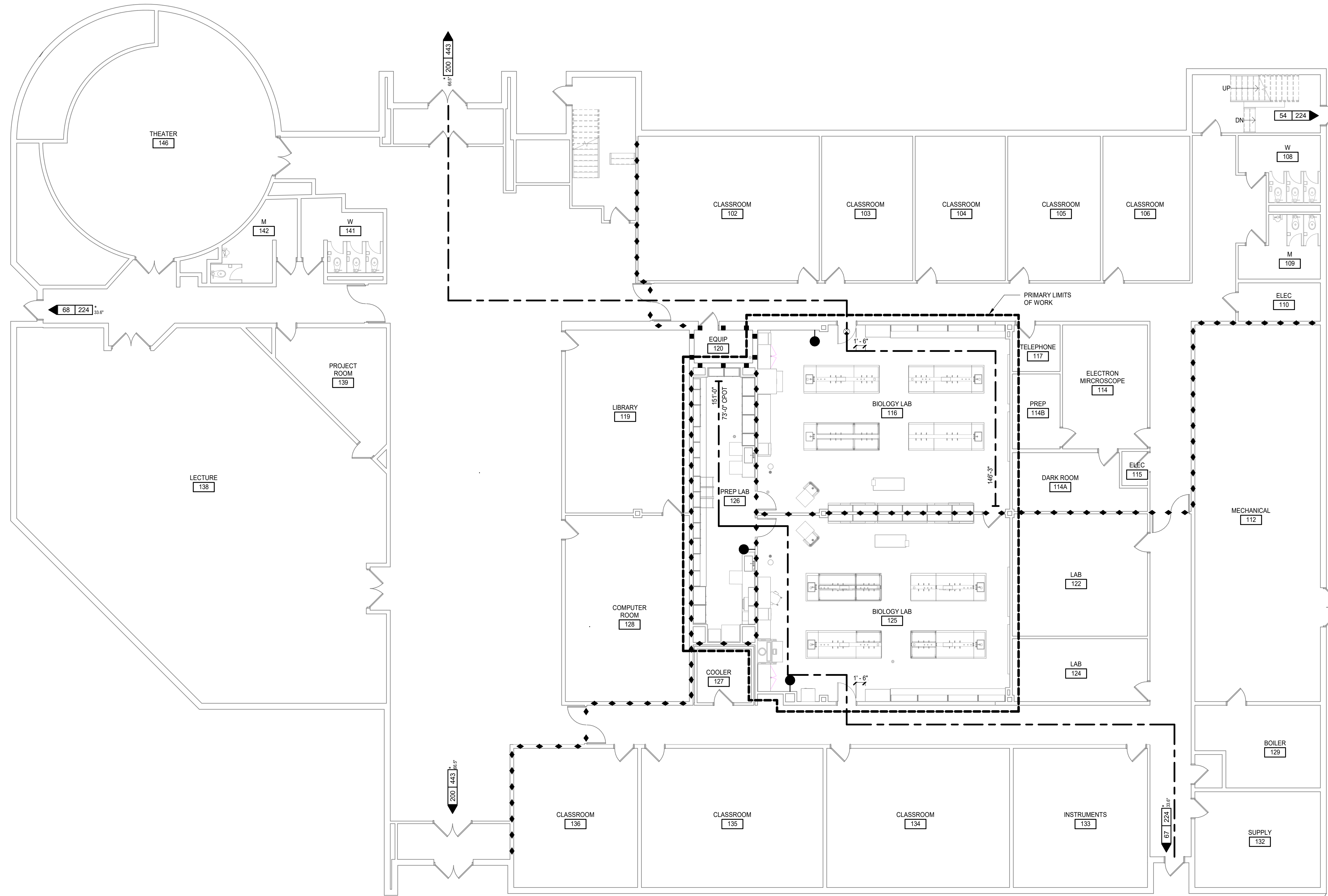
DESIGNATOR MATRIX				SYMBOLS	
	EXISTING WALL	EXISTING BARRIERS	EXISTING PARTITION	RATED BEARING OR NON-BEARING WALL	
2 HR FIRE	■	■	■	■	■
SMOKE	■	■	■	■	■

NOTES:

- WALL DESIGNATIONS ON THE LS SERIES OF DRAWINGS ARE FOR GRAPHICAL PURPOSES ONLY AND MAY NOT REPRESENT THE ACTUAL WALL/PARTITION CONSTRUCTION.
- REFER TO THE CONTRACT DOCUMENTS, INCLUDING THE LIFE SAFETY SYMBOLS LEGEND AND A1, A1 AND, A2 SERIES OF DRAWINGS, FOR ACTUAL WALL/PARTITION TYPES AND CONSTRUCTION REQUIREMENTS.
- RATING OF BEARING OR NON-BEARING WALLS ARE PER TABLE 601 AND SECTION 602.1 AND DO NOT REQUIRE PROTECTED OPENINGS.

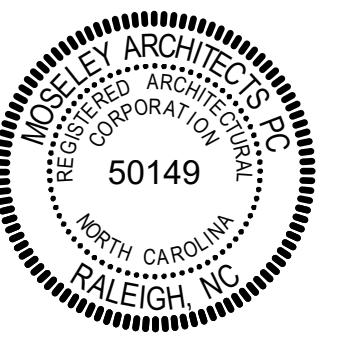
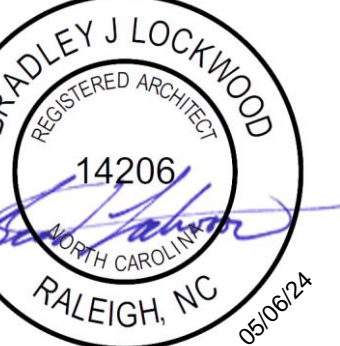
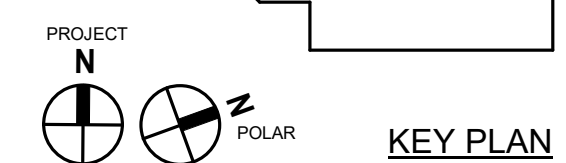
SYMBOLS:

- 1205 ROOM NUMBER
- INDICATES PANIC HARDWARE
- DIRECTION OF EGRESS
- EGRESS LOAD CAPACITY
- NUMBER OF OCCUPANTS
- CLEAR OPENING
- INDICATES PANIC HARDWARE
- DIRECTION OF EGRESS
- NUMBER OF OCCUPANTS
- EGRESS LOAD CAPACITY
- CLEAR OPENING
- EXIT ACCESS TRAVEL DISTANCE
- COMMON PATH OF TRAVEL
- FIRE EXTINGUISHER CABINET
- FIRE EXTINGUISHER BRACKET



**LIFE SAFETY PLAN**  
1/8" = 1'-0"

0' 4' 8' 16' 32'  
1/16" = 1'-0"



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LIFE SAFETY INFORMATION

**LS1.1**

### ARCHITECTURAL ABBREVIATIONS

A/PT	ACCENT PAINT	GT	GLASS TILE	SV	SHEET VINYL SECURITY WOVEN MESH / WOVEN ROD
ABS	AIR BARRIER SYSTEM	GW	GLAZED WALL TILE	SWM	SECURITY WOVEN MESH / WOVEN ROD
ABV	ABOVE	GYP	GYPSUM	SYM	SYMMETRICAL
ACP	ACOUSTICAL CEILING PANEL	H	HIGH	T	TREAD
ACT	ACOUSTICAL CEILING TILE	HBD	HOSE BIBB	T&G	TONGUE & GROOVE
ACW	ALUMINUM CLAD WINDOW	HB	HARBOR	T.O.	TOP OF
ADJ	ADJUSTABLE	HDC	HOLD DOWN CLIPS	TB	TACKBOARD
AFF	ABOVE FINISHED FLOOR	HDMR	HARDENER	TCF	TEXTILE COMPOSITE FLOORING
AHJ	AUTHORITY HAVING JURISDICTION	HDWD	HARDWOOD	TEL	TELEPHONE
AHU	AIR HANDLING UNIT	HDWR	HARDWARE	TERR-C	TERRAZZO CEMENTITIOUS
ALT	ALTERNATE	HLM	HOLLOW METAL	TERR-E	TERRAZZO EPOXY
ALUM	ALUMINUM	HORIZ	HORIZONTAL	TERR-R	TERRAZZO RUBBERIZED
AP	ACCESS PANEL	HPC	HIGH PERFORMANCE COATINGS	THHD	THRESHOLD
APC	ARCHITECTURAL PRECAST CONCRETE	HPPP	HIGH PERFORMANCE FLOOR PAINT	THK	THICKNESS, THICK
ARC	ABUSE RESISTANT COATING	HT	HEIGHT	TOS	TOP OF STEEL
AS	ALUMINUM STOREFRONT	HVAC	HEATING, VENTILATING, AIR CONDITIONING	TOW	TOP OF WALL
AUTO	AUTOMATIC	ID	INSIDE DIAMETER	TS	TACK STRIP
AVG	AVERAGE	IN	INCH, INCHES	TV	TELEVISION
AW	ALUMINUM WINDOW	INCL	INCLUDE, INCLUDING	TYP	TYPICAL
AWC	ACOUSTICAL WALL COVERING	INFO	INFORMATION	UC	UNDERCUT
AWP	ACOUSTICAL WALL PANEL	INST	INSTALLATION	UG	UNDERGROUND
BD	BOARD	INSUL	INSULATION	UH	UNIT HEATER
BF	BARRIER FREE (ADA or A117.1)	INT	INTERIOR	UNO	UNLESS NOTED (INDICATED) OTHERWISE
BLDG	BUILDING	IRWC	IMPACT RESISTANT WALL COVERING	VAT	VINYL ASBESTOS TILE
BLKG	BLOCKING	IWB	INTERACTIVE WHITE BOARD	VB	VAPOR BARRIER
BOT	BOTTOM	JAN	JANITOR	VCT	VINYL COMPOSITION TILE
BRG	BEARING	JCT	JUNCTION	VOB	VISUAL DISPLAY BOARD
BTWN	BETWEEN	JT	JOINT	VERT	VERTICAL
BUR	BUILT-UP ROOF	L	LENGTH/LONG	VEST	VESTIBULE
C	CARPET	LAB	LABORATORY	VFC	VINYL FREE COMPOSITION TILE
C-TILE	CARPET TILE	LAHJ	LOCAL AUTHORITY HAVING JURISDICTION	VFWC	VINYL FREE WALL COVERING
CAB	CABINET	LAM	LAMINATE	VIF	VERIFY IN FIELD
CB	CHALKBOARD	LAV	LAVATORY	VR	VAPOR RETARDER
CCTV	CLOSED CIRCUIT TELEVISION	LH	LEFT HAND	VT	VINYL TILE
CGM	CEMENT	LIN	LINOLEUM	VTR	VENT THROUGH ROOF
CFS-S	COLD FORMED STEEL FRAMING, NON-STRUCTURAL	LKR	LOCKER	VW	VINYL WINDOW
CFS-S	COLD FORMED STEEL FRAMING, STRUCTURAL	LMC	LINEAR METAL CEILING	VWC	VINYL WALL COVERING
CG	CORNER GUARD	LPS	LAMINATE PANEL SYSTEM	W	WIDE, WIDTH
CI	CONTINUOUS INSULATION	LPT	LIGHT	W	WITH
CIPC	CAST IN PLACE CONCRETE	LVR	LOUVER	WO	WITHOUT
CJ	CONTROL JOINT	M	METER	WC	WATER CLOSET
CL	CLOSET	MACH	MACHINE	WCP	WOOD CEILING PANEL
CLG	CEILING	MAS	MASONRY	WD	WOOD
CLR	CLEAR	MATL	MATERIAL	WDD	WINDOW
CM	CENTIMETER	MAX	MAXIMUM	WP	WATERPROOFING
CMBD	CEMENT BOARD	MB	MARKERBOARD	WPT	WORKING POINT
CMU	CONCRETE MASONRY UNIT	MCM	METAL COMPOSITE MATERIAL	WSCT	WAINSCOT
CMU-A	CONCRETE MASONRY UNIT - ACOUSTICAL	MCP	METAL CEILING PANEL	WSF	WOOD SPORTS FLOORING
CMU-ASF	CONCRETE MASONRY UNIT - GROUND FACE	MDO	MEDIUM DENSITY OVERLAY	WTF	WEIGHT
CMU-SLF	CONCRETE MASONRY UNIT - SPLIT FACE	MECH	MECHANICAL	WWF	WELDED WIRE FABRIC
CO	CLEANOUT	MED	MEDIUM	XPS	EXTRUDED POLYSTYRENE
COL	COLUMN	MEMB	MEMBRANE		
CONC	CONCRETE	MFR	MANUFACTURER		
CONC-LH	CONCRETE WITH LIQUID HARDENER/SEALER	MF	MULTICOLOR INTERIOR FINISHING		
CONC-PMT	CONCRETE WITH PIGMENT	MIN	MINIMUM		
CONC-POL	CONCRETE - POLISHED	MIR	MIRROR		
CONC-SLR	CONCRETE WITH CURE & SEAL	MISC	MISCELLANEOUS		
CONC-ST	CONCRETE WITH STAIN	MILDG	MOLDING		
CONST	CONSTRUCTION	MO	MASONRY OPENING		
CONT	CONTINUOUS	MPS	MANUAL PROJECTION SCREEN		
CONTR	CONTRACTOR	MR	MAP RAIL		
CORR	CORRIDOR	MT	MOUNT		
CSMU	CAST STONE MASONRY UNIT	MTD	MOUNTED		
CT	CERAMIC TILE	MTL	METAL		
CTSK	COUNTERSINK, COUNTERSUNK	NA	NOT APPLICABLE		
CU FT	CUBIC FEET / FOOT	NIC	NOT IN CONTRACT		
CUST	CUSTOMER / CUSTODIAN	NO	NUMBER		
CW	ALUMINUM CURTAIN WALL	NOM	NOMINAL		
CWFD	CEMENTITIOUS WOOD FIBER DECK	NRC	NOISE REDUCTION COEFFICIENT		
D	DEPTH/DEEP	NTS	NOT TO SCALE		
DBL	DOUBLE	OC	ON CENTER		
DEAD	DEMOLITION	OD	OUTSIDE DIAMETER		
DETE	DETENTION	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED		
DF	DRINKING FOUNTAIN	OPNG	OPENING		
DG	DOOR GRILLE	OPP HD	OPPOSITE HAND		
DHM	DETENTION HOLLOW METAL	OVHD	OVERHEAD		
DIA	DIAMETER	P-TILE	PORCELAIN TILE		
DIAG	DIAGONAL	PC	PRECAST		
DIM	DIMENSION	PERF	PERFORATED, PERFORATION(S)		
DIV	DIVISION	PERIM	PERIMETER		
DL	DOOR LOUVER	PI	POURED IN PLACE		
DN	DOWN	PLAM	PLASTIC LAMINATE		
DP	DAMP-PROOFING	PLAS	PLASTER		
DR	DISPLAY RAIL	PLWD	PLASTIC LAMINATE WOOD		
DS	DOWNSPOUT	PLYWD	PLYWOOD		
DTL	DETAIL	PNL	PANEL PANELING		
DWG	DRAWING	POLY	POLYETHYLENE		
DWR	DRAWER	PPS	POWER PROTECTION SCREEN		
EA	EACH	PPT	PRESSURE-OR PRESERVATIVE-TREATED		
EF	EXHAUST FAN	PR	PAIR		
EFS	EXTERIOR FINISH SYSTEM	PREFAB	PREFABRICATED		
EFS	EXTERIOR INSULATION & FINISH SYSTEM	PREFN	PREFINISHED		
EJ	EXPANSION JOINT	PREP	PREPARE / PREPARATION		
EL	ELEVATION	PS	PROJECTION SCREEN		
ELAS	ELASTOMERIC	PSB	PENCIL SHARPENER BLOCK		
ELEC	ELECTRICAL	PSF	POUNDS PER SQUARE FOOT		
ELEV	ELEVATOR	PSI	POUNDS PER SQUARE INCH		
EMER	EMERGENCY	PT	PAINT		
EPS	EXPANDED POLYSTYRENE	PTN	PARTITION		
EPX	EPOXY	PTS	PNEUMATIC TUBE SYSTEM		
EQIP	EQUIPMENT	PVC	POLYVINYL CHLORIDE		
ETR	EXISTING TO REMAIN	PVMT	PAVEMENT		
EVCT	ENHANCED VINYL COMPOSITION TILE	PVWC	PERFORATED VINYL WALL COVERING		
EWC	ELECTRIC WATER COOLER	QSM	QUARTZ SURFACING MATERIAL		
EX	EXISTING	QT	QUARRY TILE		
EXH	EXHAUST	QTY	QUANTITY		
EXP	EXPANSION	R	RISER, RADIUS		
EXPC	EXPOSED CONSTRUCTION	R/W	RIGHT OF WAY		
EXT	EXTERIOR	RAD	RADIUS		
F&F	FLUID APPLIED ATHLETIC FLOORING	RAF	RESILIENT ATHLETIC FLOORING		
FD	FLOOR DRAIN	RB	RESILIENT BASE		
FDN	FOUNDATION	RCP	REFLECTED CEILING PLAN		
FE	FIRE EXTINGUISHER	REFG	REFRIGERATOR		
FEB	FIRE EXTINGUISHER BRACKET	RENF	REINFORCING, REINFORCED		
FEC	FIRE EXTINGUISHER CABINET	REH	RECESSED ENTRY MAT		
FF	FINISHED FLOOR	RECD	REQUIRED		
FGL	FIBERGLASS	RES	RESINOUS FLOORING		
FH	FIRE HYDRANT	RFT	RUBBER FLOOR TILE		
FHC	FIRE HOSE CABINET	RH	RIGHT HAND		
FHVC	FIRE HOSE VALVE CABINET	RL	RAIN LEADER		
FIN	FINISHED	RM	ROOM		
FLR	FLOOR	RO	ROUGH OPENING		
FLRG	FLOORING	RSF	RUBBER SHEET FLOORING		
FO	FACE OF	RSR	RESILIENT STAIR RISER		
FRM	FRAME	RST	RESILIENT STAIR TREAD		
FRP	FIBERGLASS REINFORCED PLASTIC	RT	RIGHT		
FRT	FIRE RETARDANT TREATED	RTU	ROOFTOP UNIT		
FT	FOOT, FEET	SAB	SOUND ATTENUATION BLANKET		
FTG	FOOTING	SC-PLK	SECURITY CEILING PLANK		
FURN	FURNITURE	SC-PNL	SECURITY CEILING PANEL		
FVC	FIRE VALVE CABINET	SCH	SCHEDULE		
GA	GARAGE	SF	SQUARE FEET / FOOT		
GAL	GALLON	SFRM	SPRAYED FIRE RESISTANT MATERIAL		
GALV	GALVANIZED	SHM	SECURITY HOLLOW METAL		
GB	GYPSUM BOARD	SHTG	SHEATHING		
GB-AR	GYPSUM BOARD - ABUSE RESISTANT	SIM	SIMILAR		
GB-S	GYPSUM BOARD - SECURITY	SPEC	SPECIFICATION		
GFRG	GLASS FIBER REINFORCED CONCRETE	SPP	SPRAYED POLYURETHANE FOAM		
GFRG	GLASS FIBER REINFORCED GYPSUM	SPR	SPRINKLER		
G	GLASS, GLAZING	SQ	SQUARE		
GL-BLK	GLASS BLOCK	SQ FT	SQUARE FEET / FOOT		
GPM	GALLONS PER MINUTE	SRD	SECONDARY ROOF DRAIN		
GRT	GROUT	SS	STAINLESS STEEL		
GSFT	GLAZED STRUCTURAL FACING TILE	SSM	SOLID SURFACE MATERIAL		
		ST	STREET		
		STC	SOUND TRANSMISSION COEFFICIENT		
		STD	STANDARD		
		STL	STEEL		
		STRUCT	STRUCTURAL		
		SUSP	SUSPENDED		

### KEYNOTES

1. KEYNOTES ARE GENERALLY ASSOCIATED WITH A SERIES OF DRAWINGS (e.g. A3.2.n, A5.1.n). THEREFORE KEYNOTE NUMBERS FROM SERIES TO SERIES WILL VARY (i.e. KEYNOTE NO. 1 IN THE A3.2.n SERIES WILL BE DIFFERENT FROM KEYNOTE NO. 1 IN THE A5.1.n SERIES).

- KEYNOTE (1 TO 2 DIGITS)
- KEYNOTE (3 DIGITS ONLY)
- SIZE, THICKNESS, OR OTHER DESCRIPTIVE INFORMATION

### ARCHITECTURAL GRAPHIC SYMBOL LEGEND

REFER TO A2.3 FOR FINISH SCHEDULE

REFER TO A2.1 FOR SCHEDULE

REFER TO A2.1.n FOR TYPES

REFER TO A2.1.n FOR TYPES

REFER TO A0.2 FOR LEGEND

REFER TO A2.2 FOR ELEVATIONS

REFER TO A5.1.1 FOR LEGEND

REFER TO A3.1.n FOR LEGEND

GENERAL NOTATIONS AND GRAPHIC SYMBOLS. NOT ALL ARE APPLICABLE.

### ARCHITECTURAL GENERAL NOTES

- THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.
- ELEMENTS THAT ARE IDENTIFIED BY OTHER DISCIPLINES (e.g. CIVIL, STRUCTURAL, PLUMBING, FIRE PROTECTION, MECHANICAL, ELECTRICAL) ELSEWHERE WITHIN THE ARCHITECTURAL SERIES OF DRAWINGS AND/OR SPECIFICATIONS, OR IDENTIFIED OR COVERED BY DEFAULTS (e.g. SIZES, THICKNESS, SPACING, MATERIALS) IN THE SPECIFICATIONS MAY NOT BE ANNOTATED (NOTE OR KEYNOTED) ON THESE DRAWINGS.
- ELEMENTS IDENTIFIED IN "LEGENDS" AND/OR "GENERAL NOTES" MAY NOT BE NOTED IN DETAILS OR SECTIONS, AS THESE ELEMENTS ARE IDENTIFIED IN THE LEGENDS (e.g. FACE BRICK, CMU WINDOWS).
- REFER TO "ASSEMBLIES" FOR MATERIALS AND COMPONENTS THAT MAKE UP THAT PARTICULAR ASSEMBLY (e.g. EXTERIOR WALL ASSEMBLIES, ROOF ASSEMBLIES, AND FIRE-RATED ASSEMBLIES). ONCE A PARTICULAR ASSEMBLY HAS BEEN IDENTIFIED ON ONE DRAWING, THAT SAME ASSEMBLY GRAPHIC SHALL APPLY TO ALL OTHER SIMILAR LOCATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE. PROVIDE THAT SAME ASSEMBLY AT THE SIMILAR LOCATION WHETHER THE ASSEMBLY GRAPHIC SYMBOL IS SHOWN OR NOT.
- VERIFY ALL DIMENSIONS, INCLUDING DIMENSIONS ON STRUCTURAL DRAWINGS AND OTHER ARCHITECTURAL DRAWINGS. IMMEDIATELY NOTIFY ARCHITECT OF ANY DISCREPANCIES.

### ARCHITECTURAL MATERIALS LEGEND

	EARTH		RIGID INSULATION
	POROUS FILL		BATT INSULATION
	CONCRETE		SPRAYED POLYURETHANE FOAM
	FACE BRICK		WOOD SHIM
	SPLIT-FACE BLOCK		WOOD BLOCKING - CONTINUOUS
	CONCRETE MASONRY UNIT		FINISHED WOOD
	GROUTED SOLID CONCRETE MASONRY UNIT		PLYWOOD
	ARCHITECTURAL PRECAST CONCRETE		GYPSUM BOARD / SHEATHING
	CAST STONE MASONRY		STONE

NOTE: PROVIDE 100% SOLID, PLANT-CAST UNITS WHERE CORE HOLES WOULD BE VISIBLE WITHIN FINISH SPACE (E.G. WINDOW SILLS)

# MOSELEY ARCHITECTS

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MOSELEYARCHITECTS.COM

# JENKINS LAB RENOVATION

SCO ID# 23-27244-02A

ELIZABETH CITY STATE UNIVERSITY  
1414 HOFFLER ST, ELIZABETH CITY, NC 27909

PROJECT NO:	63238
DATE:	MAY 6, 2024
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GENERAL ARCHITECTURAL INFORMATION

**TERMINATION GENERAL NOTES**

- A. AT FIRE-, SMOKE-, AND ACOUSTICALLY RATED WALLS: SEAL ALL NON-OBSERVED HEAD-OF-WALL CONDITIONS IN ACCORDANCE WITH JOINT SYSTEM MANUFACTURER'S RECOMMENDATIONS BASED ON CONDITION ENCOUNTERED (E.G., CMU-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES); OR CFSF-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES) TO MAINTAIN ASSEMBLY RATING CONSISTENT WITH WALL/PARTITION REQUIREMENTS. BRACE WALL AS INDICATED OR REQUIRED.
- B. AT ALL OTHER WALLS INDICATED TO EXTEND TO UNDERSIDE OF FLOOR/ROOF DECK/CAP: SEAL ALL NON-OBSERVED HEAD-OF-WALL CONDITIONS IN ACCORDANCE WITH JOINT SYSTEM MANUFACTURER'S RECOMMENDATIONS BASED ON CONDITION ENCOUNTERED (E.G., CMU-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES); OR CFSF-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES); BRACE WALL AS INDICATED OR REQUIRED.
- C. AT ALL WALLS PREVENTED FROM TERMINATING AT THE UNDERSIDE OF FLOOR/ROOF DECK BY OBSTRUCTIONS, COMPLY WITH THE FOLLOWING:
  - AT FIRE-, SMOKE-, AND ACOUSTICALLY-RATED WALLS: ENCASE OBSTRUCTION(S) TO MAINTAIN ASSEMBLY RATING CONSISTENT WITH WALL/PARTITION REQUIREMENTS.
  - AT SECURITY WALLS: TERMINATE IN ACCORDANCE WITH SECURITY PARTITION REQUIREMENTS.
  - AT OTHER WALLS: ENCASE OBSTRUCTION(S) ON ONE SIDE.
  - SEAL ENCASEMENT TO WALL AND SEAL ENCASEMENT TO DECK IN ACCORDANCE WITH JOINT SYSTEM MANUFACTURER'S RECOMMENDATIONS AND TO MAINTAIN ASSEMBLY RATING CONSISTENT WITH WALL/PARTITION REQUIREMENTS.

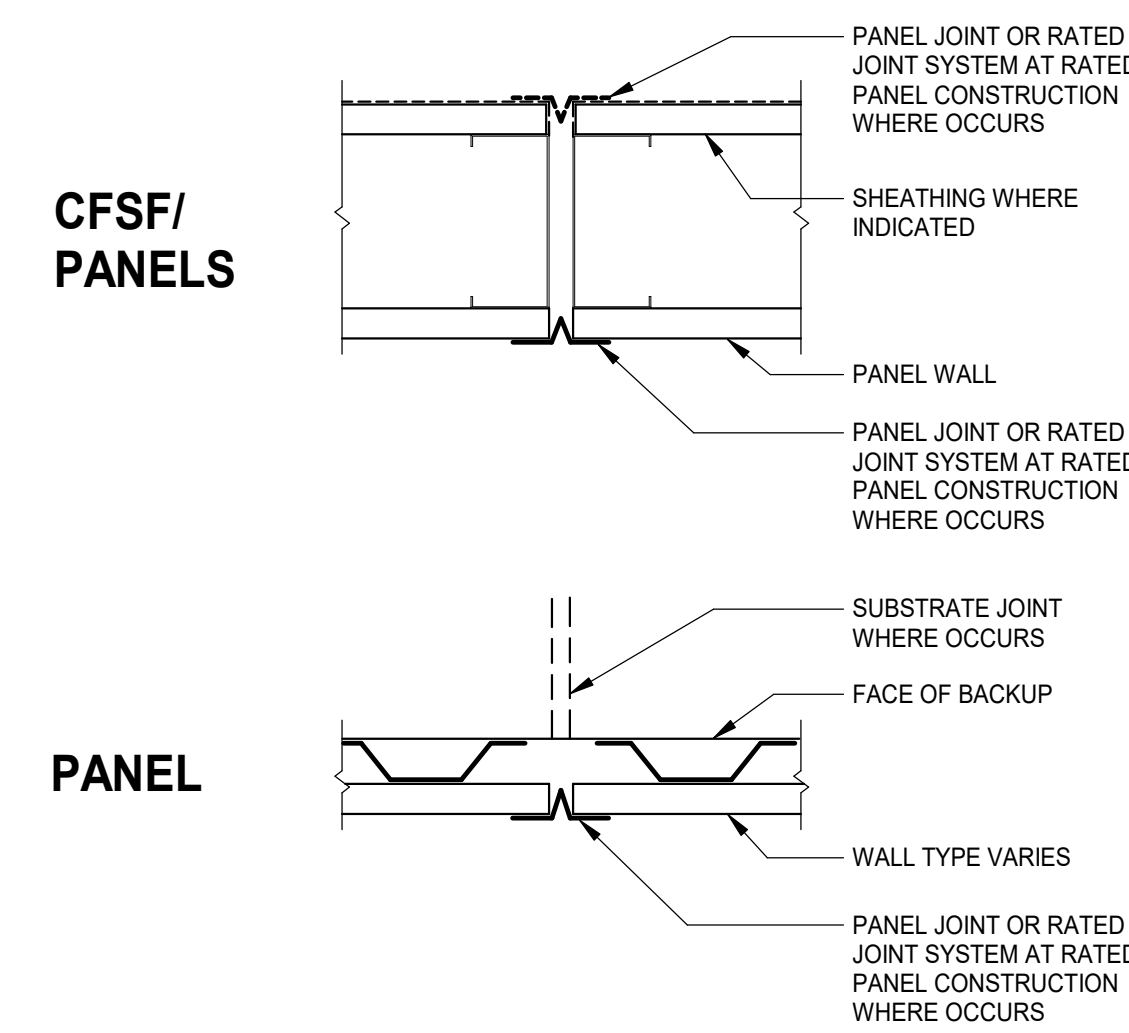
**WALL JOINT GENERAL NOTES**

- A. LOCATE CONTROL JOINTS IN INTERIOR AND EXTERIOR WALLS AS INDICATED ON DRAWINGS.
- B. JOINTS ARE INDICATED THIS ON PLANS AND ELEVATIONS.
- C. WALLS AND JOINT TYPES/DETAILS ARE DIAGNOSTIC. ADJUST JOINT TYPES/DETAILS IN ACCORDANCE WITH ACTUAL FIELD CONDITIONS.
- D. PROVIDE TESTED JOINT ASSEMBLIES AT FIRE-, SMOKE-, AND ACOUSTICALLY-RATED WALLS.
- E. WHEN USED HEREIN "RATED" MEANS: FIRE, SMOKE, AND/OR ACOUSTICAL.
- F. REFER TO SPECIFICATIONS FOR ADDITIONAL WALL JOINT REQUIREMENTS.

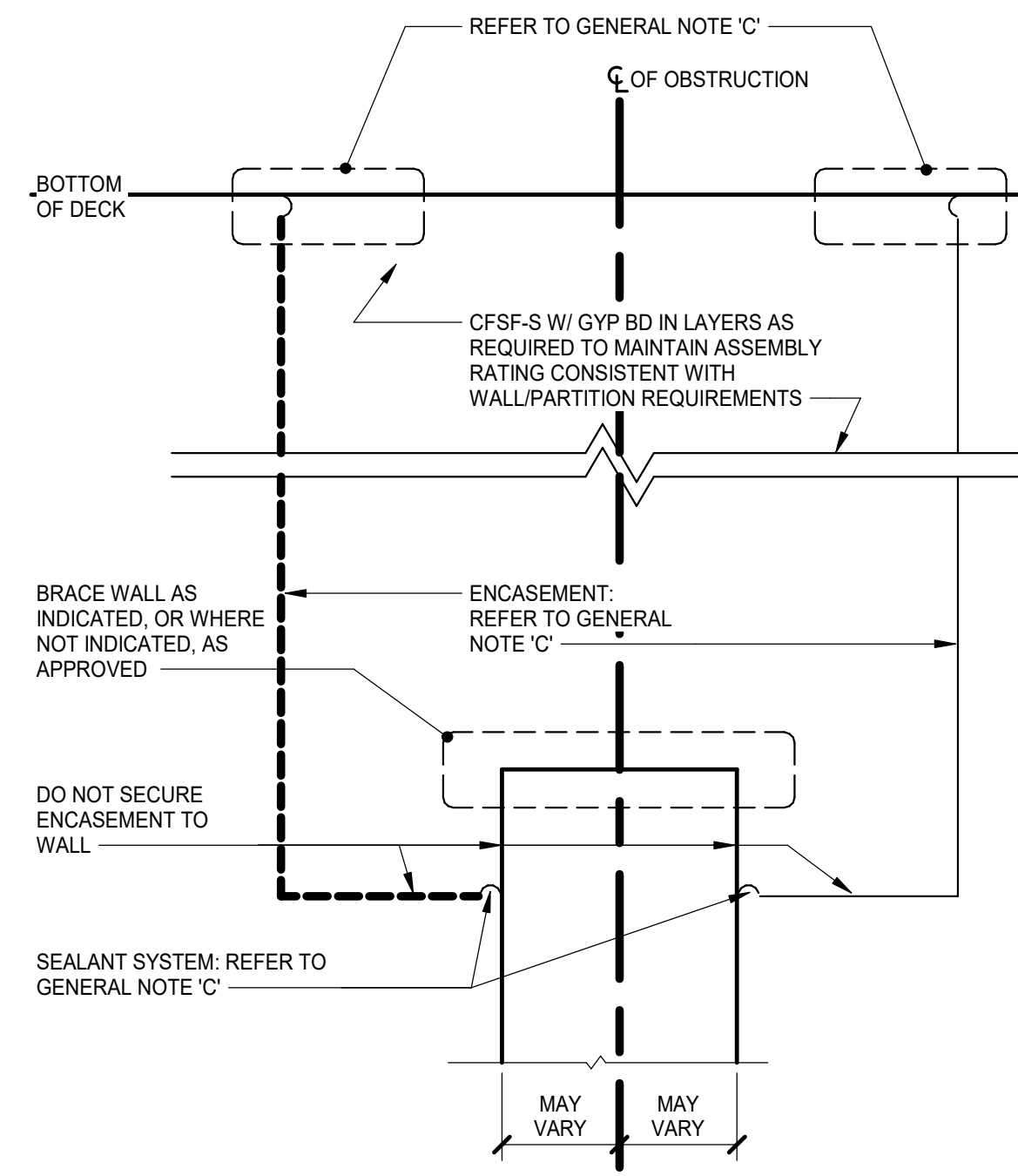
**WALL/PARTITION TYPE GENERAL NOTES**

- A. PLAN DIMENSIONS ARE TO FACE OF WALL OR PARTITION. WHERE APPLIED FINISHES OCCUR SUCH AS CERAMIC TILE, DIMENSIONS ARE TO FACE OF APPLIED FINISH. FOR WAINSCOTS, FLOOR PLAN DIMENSIONS ARE TO FACE OF WAINSCOT MATERIAL. APPLIED FINISHES ARE NOT ALLOWED TO REDUCE CLEAR DIMENSIONS. "APPLIED FINISHES" IN THIS CASE DO NOT INCLUDE TRIM, BASE, AND ACOUSTIC WALL PANELS.
- B. EXTEND WALL/PARTITION ASSEMBLY COMPONENTS FULL HEIGHT OF ASSEMBLY.
- C. ALL INTERIOR CFSF PANEL PARTITIONS: P1 UNLESS INDICATED OTHERWISE.
- D. THE TERMS "WALL" AND "PARTITION" MAY BE USED INTERCHANGEABLY THROUGHOUT THE CONTRACT DOCUMENTS.
- E. EXTEND ALL FIRE-, SMOKE-, INCIDENTAL USE-, AND ACOUSTICALLY-RATED WALLS/PARTITIONS TO UNDERSIDE OF FLOOR DECK, ROOF DECK, STRUCTURAL ELEMENT ENCASUREMENT OR SOLID CAP ABOVE.
  - SEAL AND TERMINATE IN ACCORDANCE WITH JOINT SYSTEM TESTED ASSEMBLIES FOR RESPECTIVE TYPE OF WALLS/PARTITIONS.
- F. PARTITIONS THAT DO NOT EXTEND TO UNDERSIDE OF DECK OR CAP ABOVE:
  - EXTEND 4 INCHES MINIMUM ABOVE HIGHEST ADJACENT FINISH CEILING UNLESS INDICATED OTHERWISE.
- G. DO NOT CONNECT TIES, ANCHORS, OR REINFORCING TO SINGLE CANTILEVERED FIRE WALL OR BETWEEN DOUBLE FIRE WALLS.
- H. SEAL AROUND ALL PENETRATIONS.
- I. COMPLY WITH TERMINATION, WALL JOINT, AND MISCELLANEOUS DETAILS FOR THOSE CONDITIONS WHERE APPLICABLE. COMPLY WITH REFERENCED STANDARDS WHERE DETAILS ARE NOT IDENTIFIED IN THE DRAWINGS.
- J. WALL/PARTITION TYPES DO NOT ADDRESS WALL FINISHES. REFER TO FINISH SCHEDULE.
  - FINISHED SPACES: PROVIDE CHASES AROUND ALL EXPOSED VERTICAL COMPONENTS, INCLUDING BUT NOT LIMITED TO: DUCTWORK, PIPING, AND CONDUIT, UNLESS COMPONENTS ARE SPECIFICALLY INDICATED TO REMAIN EXPOSED.

**WALL JOINTS**

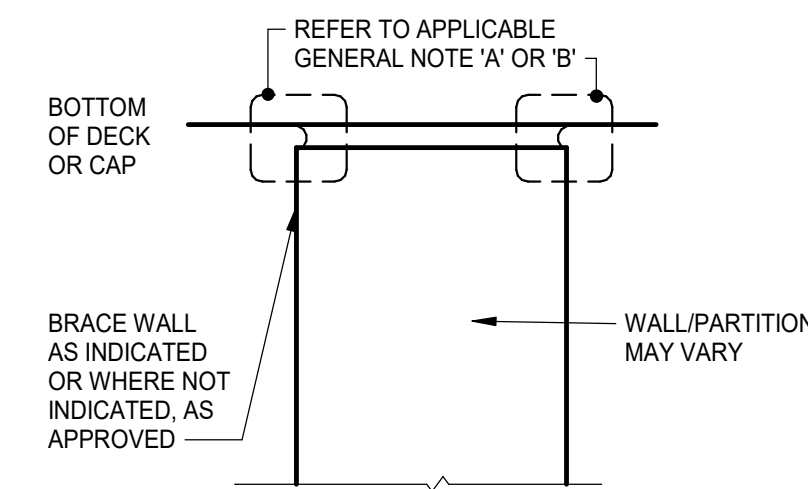


**TERMINATIONS**



**HEAD-OF-WALL TERMINATION @ OBSTRUCTION**

OBSTRUCTION MAY VARY (BEAM, JOIST, GIRDER, CHANNEL, DUCTWORK, PIPING)

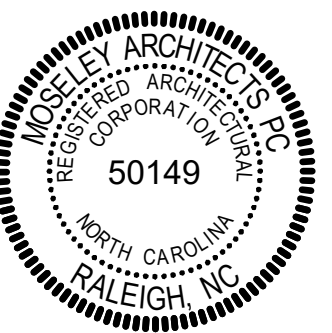
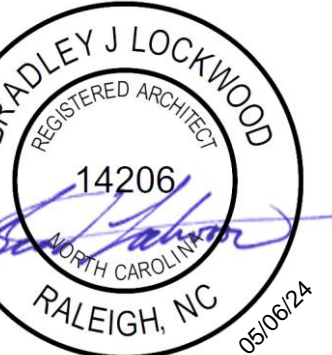


**HEAD-OF-WALL TERMINATION @ NON-OBSTRUCTION**

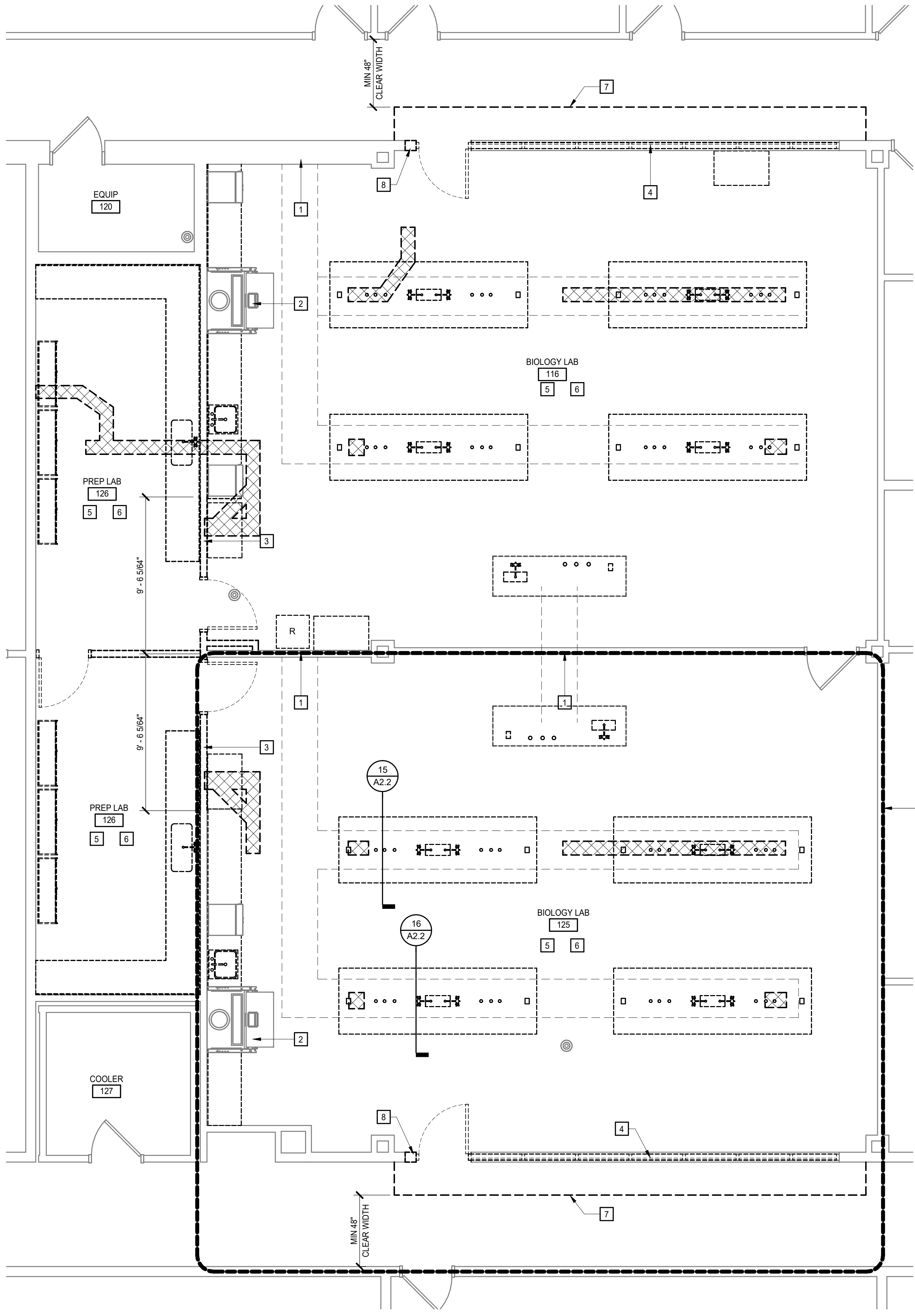
**PANEL WALL/PARTITION TYPES**

REPRESENTED BY Xmm

MARK	FIRE RATED ASSEMBLY (REFER TO LS 1.1 FOR LEGEND)	REMARKS	INFORMATION
P1		SMOKE PARTITION: SEAL TOP, BOTTOM, AND ALL PENETRATIONS AIR-TIGHT	 5/8" GYPSUM BOARD; BOTH SIDES 3 5/8" CFSF SOUND ATTENUATION BLANKETS
P2		STC 44. SEAL TOP, BOTTOM, AND ALL PENETRATIONS	 5/8" GYPSUM BOARD; BOTH SIDES 6" CFSF SOUND ATTENUATION BLANKETS
P3			 5/8" GYPSUM BOARD; BOTH SIDES 3 5/8" CFSF



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**DEMOLITION PLAN - ALTERNATE 1**  
1/4" = 1'-0"

**DEMOLITION PLAN LEGEND**  
APPLIES TO DRAWINGS A1.2

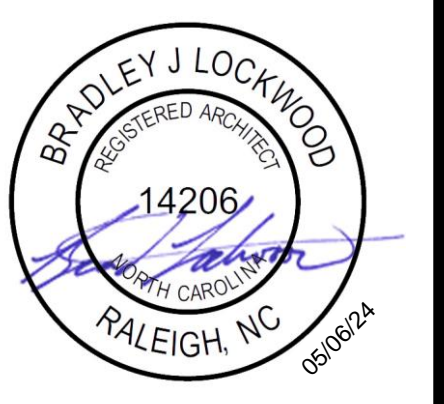
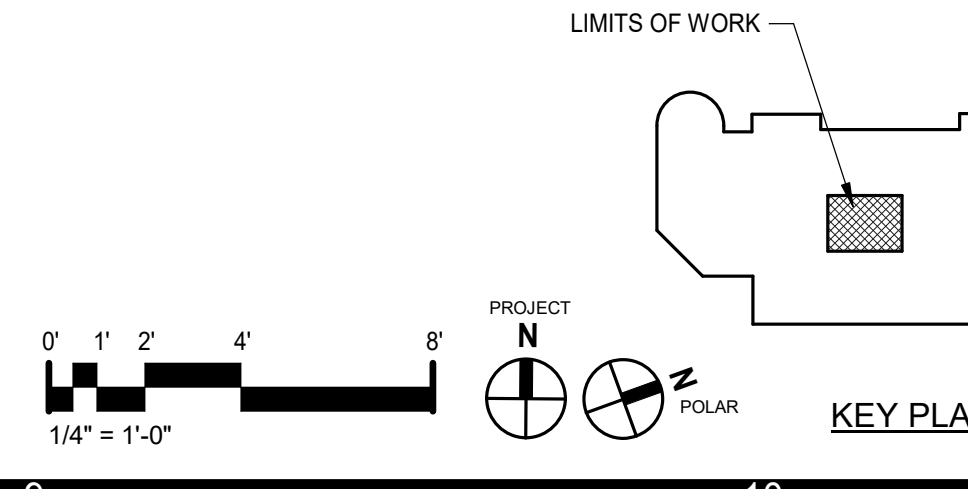
	EXISTING PARTITION/WALL/ITEM TO REMAIN
	REMOVE EXISTING PARTITION/WALL/ITEM
	REMOVE EXISTING WINDOW ASSEMBLY AND FRAMING, INCLUDING ANCHORS
	REMOVE EXISTING DOOR AND FRAME ASSEMBLY INCLUDING DOOR HARDWARE, ANCHORS, AND THRESHOLD (WHERE OCCURS).
	REMOVE EXISTING PLUMBING FIXTURE. REFER TO PLUMBING DEMOLITION PLAN FOR ADDITIONAL INFORMATION.
	REMOVE ALL EXISTING FINISH FLOORING AND SUSPENDED CEILINGS IN AREA
	DEMOLISH CONCRETE SLAB AS REQUIRED FOR NEW UTILITIES. REFER TO PLUMBING PLANS FOR ADDITIONAL INFORMATION

- DEMOLITION PLAN GENERAL NOTES**
- ALL DEMOLITION WORK INDICATED IN THESE DRAWINGS INVOLVE REMOVAL OF EXISTING CONSTRUCTION UNDER THIS CONTRACT AND SHALL BE COORDINATED WITH CORRESPONDING PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS.
  - TEMPORARY DUST PARTITIONS SHALL BE INSTALLED AS REQUIRED TO MAINTAIN SEPARATION OF WORK AREA FROM CORRIDORS. MAINTAIN CLEAR EGRESS PATH AND EGRESS DOORS AT ALL TIMES. TEMPORARY PARTITIONS IN THE SHALL NOT REDUCE THE CLEAR EGRESS WIDTH TO LESS THAN 44-INCHES.
  - REMOVE EXISTING CONSTRUCTION AS INDICATED. DEMOLITION SHALL BE TO THE LEAST EXTENT POSSIBLE IN ORDER TO COMPLETE THE WORK. DO NOT PERFORM DEMOLITION BEYOND THE SCOPE OF CONSTRUCTION. FLOOR SLABS UNDER FLOORING TO BE REMOVED SHALL BE CLEAN OF ADHESIVES AND CHEMICAL RESIDUE.
  - FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS INDICATED ON THE DRAWINGS. COORDINATE THE SCOPE, DIMENSIONS, AND EXTENT OF DEMOLITION WORK TO BE PERFORMED WITH THE WORK.
  - PLAN DIMENSIONS FOR EXISTING CONDITIONS ARE TO FACE OF FINISH OR CENTERLINE OF STRUCTURAL FRAMING, UNLESS OTHERWISE NOTED. ALL DIMENSIONS SHOW FOR EXISTING CONSTRUCTION ARE APPROXIMATE.
  - DAMAGE OCCURRING DURING SCOPE OF WORK SHALL BE PATCHED, REPAIRED, AND FINISHED TO MATCH ADJACENT SIMILAR CONDITIONS.
  - ACTUAL FIELD CONDITIONS WHICH ARE CONCEALED BY EXISTING CONSTRUCTION MAY VARY FROM THOSE INDICATED ON THE DRAWINGS. NOTIFY ARCHITECT AND OWNER OF ANY DISCREPANCIES.
  - PRIOR TO DEMOLITION, COORDINATE WITH OWNER SCHEDULES FOR THEIR TEMPORARY RELOCATION OF EXISTING EQUIPMENT IN WORK AREAS.

- DEMOLITION PLAN KEYNOTES**  
REPRESENTED BY [1-8]  
APPLIES TO DRAWINGS A1.2
- REMOVE GB AS REQUIRED TO EXPOSE PLUMBING AND MECHANICAL. REFER TO ENGINEERING DRAWINGS FOR ADDITIONAL WORK
  - EXISTING HOOD AND CABINET TO REMAIN
  - REMOVE EXISTING CONSTRUCTION AS REQUIRED TO ACCOMMODATE NEW RECESSED SHOWER/EYE WASH
  - REMOVE STOREFRONT
  - REMOVE FINISH FLOOR AND PREP FOR NEW FINISH MATERIAL
  - REMOVE CEILING TILE, GRID AND CEILING MOUNTED DEVICES
  - TEMPORARY DUST PARTITION
  - REMOVE PORTION OF WALL REQUIRED TO FRAME NEW OPENING

**DESCRIPTION OF ALTERNATES**

**ALTERNATE NO. 1:** ALL WORK INCLUDED IN THIS AREA SHALL BE INCLUDED WITH BID ALTERNATE NO. 1 ONLY. IN BASE BID, NO WORK SHALL BE DONE IN THIS AREA.



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DOOR SCHEDULE											
NUMBER	DOOR		FRAME				HDWR	FIRE RATING	EXISTING TO REMAIN	NOTES	
	TYPE	SIZE (NOMINAL)	MATL	TYPE	NUMBER	HEAD DETAIL					JAMB DETAIL
129Y	F	3'-0" x 7'-0" x 1 3/4"	WD	HM	1	5	5	101	0		
116	F	3'-0" x 7'-0" x 1 3/4"	WD	HM	1	5	5	101	0		
125	F	3'-0" x 7'-0" x 1 3/4"	WD	HM	1	5	5	101	0	ALTERNATE NO. 1	
131	FG	3'-0" x 7'-0" x 2"	WD	AS	2	7	7	101	0		
133	FG	3'-0" x 7'-0" x 2"	WD	AS	2	7	7	101	0	ALTERNATE NO. 1	

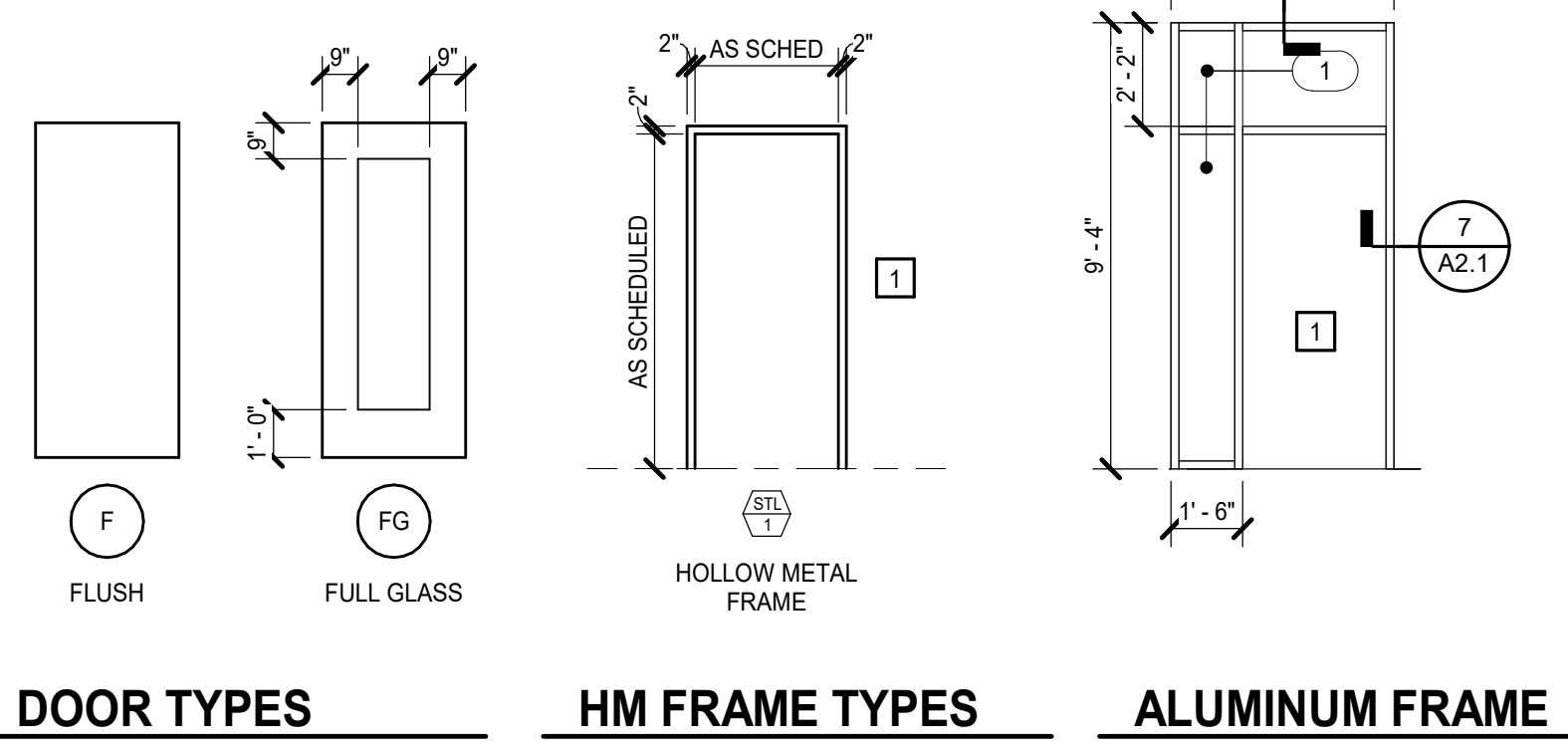
SINK SCHEDULE						
MARK	TYPE	DEPTH	WIDTH x LENGTH	WATER		REMARKS
				H	C	
SK-1A	EPOXY	4.75"	15" x 25"	X	X	DROP-IN, ADA
SK-1	EPOXY	12"	15" x 28"	X	X	DROP-IN
SK-2	EPOXY	11"	15" x 18"	X	X	DROP-IN
SK-2A	EPOXY	5"	15" x 18"	X	X	DROP-IN, ADA

**FLOOR PLAN GENERAL NOTES**

- REMOVE PORTION OF EXISTING PARTITIONS AS NECESSARY TO ALLOW ACCESS FOR NEW UTILITY WORK.
- REPAIR ALL DAMAGED OR PARTIALLY DEMOLISHED WALLS; FINISH TO MATCH SIMILAR ADJACENT CONDITION.
- ALL NEW PARTITIONS SHALL EXTEND AND BE SEALED TO THE DECK.

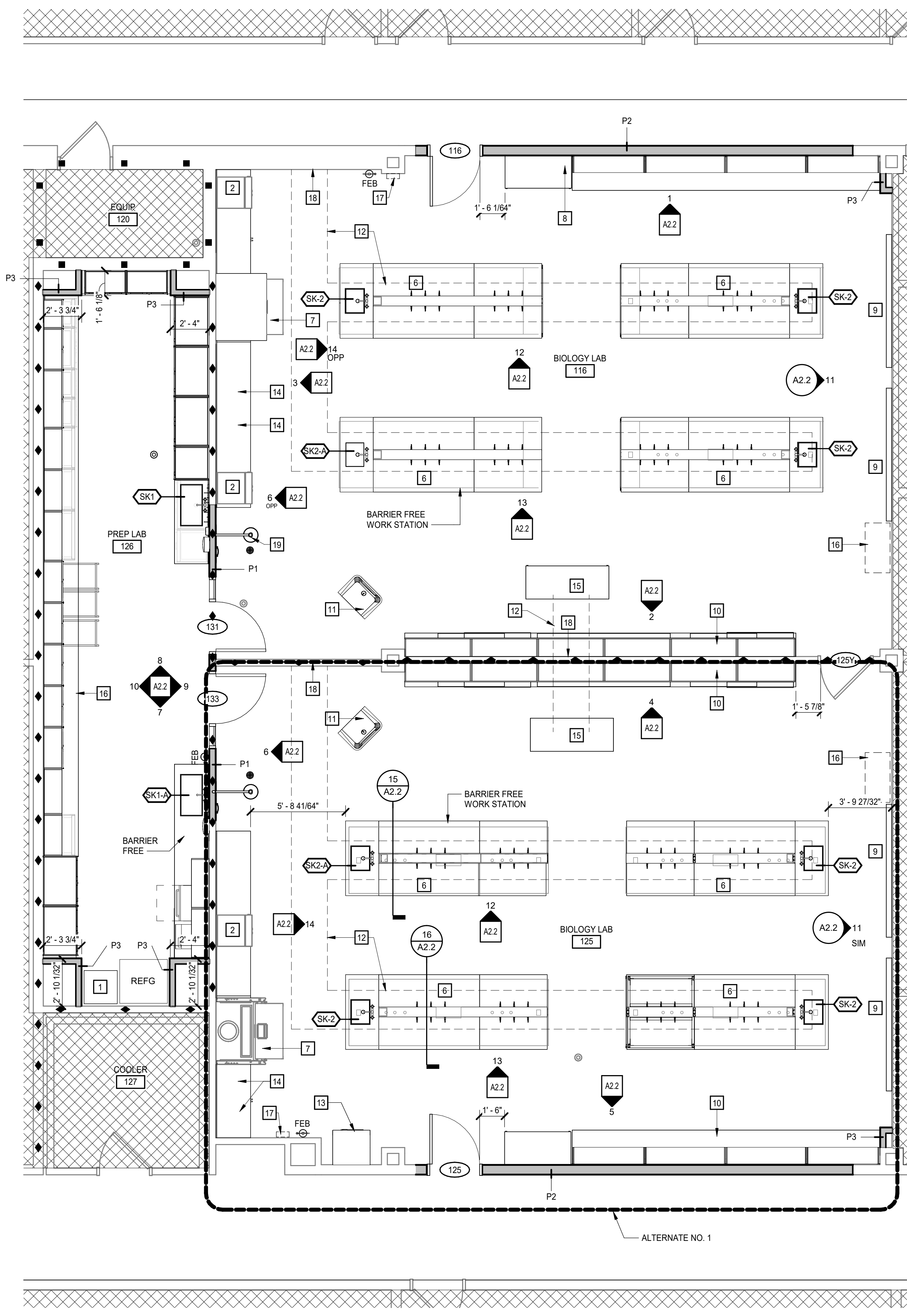
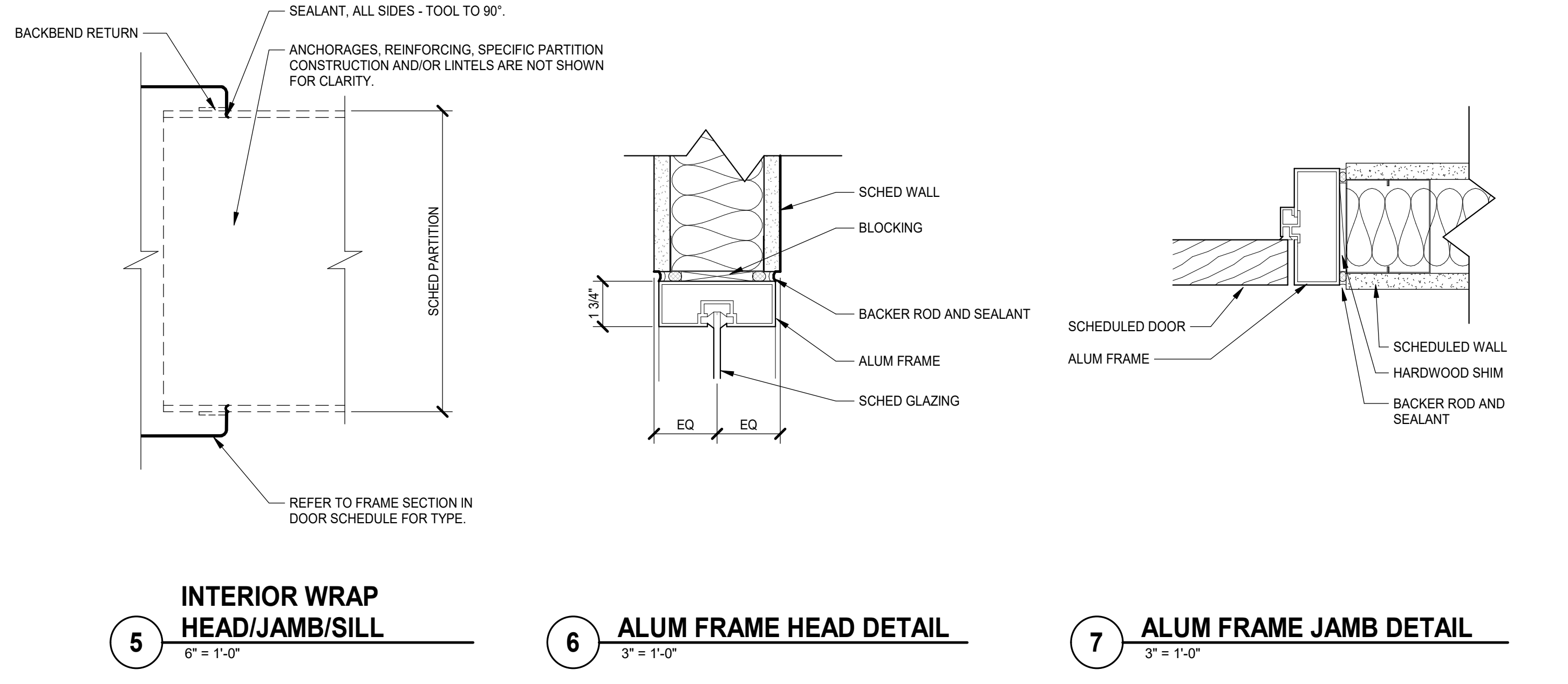
**GENERAL DOOR NOTES**

- UNLESS INDICATED OTHERWISE, ALL DETAIL NUMBERS IN THE DOOR AND FRAME SCHEDULE FOR HEAD, JAMB AND SILL CONDITIONS REFER TO DRAWINGS A3.2.1 - A3.2.n.
- DOOR AND FRAME DETAILS INDICATE GENERAL CHARACTERISTICS OF DOOR AND FRAME SIZES AND COMPONENTS AND MAY NOT INDICATE EXACT FIELD CONDITIONS OR REQUIREMENTS. COORDINATE DETAILS WITH OTHER DRAWINGS AND SPECS TO DETERMINE ALL COMPONENTS (E.G., SEALANTS, ANCHORS, HARDWARE, LINTELS, CLIPS) REQUIRED FOR COMPLETE AND FUNCTIONAL INSTALLATION.
- DOOR SWINGS ON FLOOR PLANS TAKE PRECEDENCE OVER SWINGS INDICATED ELSEWHERE (E.G., ELEVATIONS).



**FLOOR PLAN KEYNOTES**  
REPRESENTED BY [n]  
APPLIES TO DRAWINGS A2.1

1	AUTOCLAVE
2	EXISTING EQUIPMENT TO REMAIN
6	DOUBLE SIDED WORKTOP WITH ELEVATED SUPPLY TUNNELS FOR POWER, GAS, AIR, & VAC.
7	EXISTING FUME HOOD
8	ADJUSTABLE WALL MOUNTED SHELVING SYSTEM WITH UNDERMOUNTED LIGHTS
9	8" WHITE MARKER BOARD
10	CUSTOM CONFIGURATION OF SHELVING WITH SLIDING DOORS AND SLIDING WHITE BOARDS ABOVE
11	LECTERN
12	SEAL ALL GAPS AT TRENCH ACCESS LOCATIONS THROUGHOUT BIOLOGY LAB 116 & 125; PREP FLOOR TO RECEIVE RUBBER SHEET FLOORING
13	DOUBLE STACKED INCUBATORS
14	UNDERCOUNTER REFRIGERATOR
15	ROLLING DEMONSTRATION TABLE: 24"X60"
16	TRASH, BIOSAFETY, WASTE CONTAINERS; OFOI
17	FIRST AID KIT, OFOI
18	REPAIR WALL AS REQUIRED AFTER PLUMBING AND MECHANICAL LINES HAVE BEEN CAPPED; REFER TO P2.1 AND M2.1
19	RECESSED - BARRIER FREE SAFETY STATION WITH EYE WASH



**GENERAL NOTES**

REFER TO DWG A2.1.n FOR GLAZING TYPE LEGEND AND NOTES

REFER TO DWG A2.1 FOR DETAILS

REFER TO DWG A2.1.n FOR KEYNOTE LEGEND

**GLAZING TYPES**  
REPRESENTED BY [n]

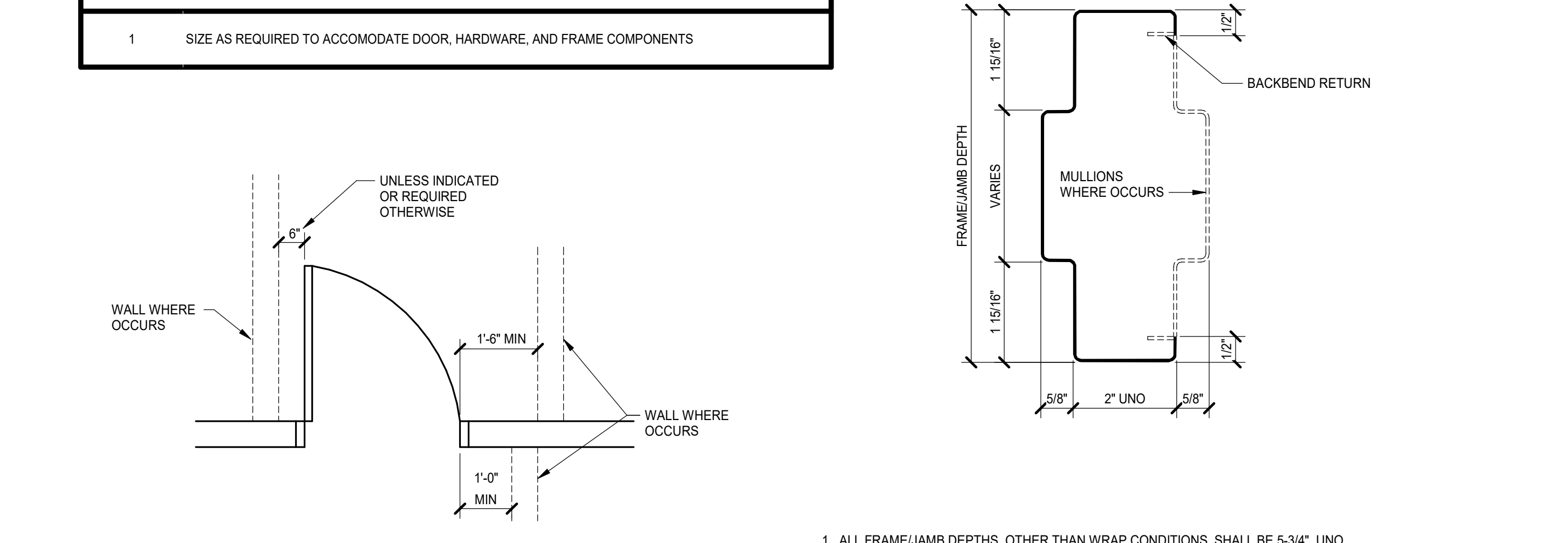
1. 1/4" CLEAR TEMPERED

**NOTES:**

- ALL GLAZING IN INTERIOR FRAMES SHALL BE TYPE 1 UNO.
- GLAZE ALL OPENINGS IN FRAMES UNLESS SPECIFICALLY INDICATED OTHERWISE.
- ALL GLAZING SHALL BE SAFETY GLASS UNLESS INDICATED OTHERWISE.

**DOOR, FRAME AND GLAZING TYPE KEYNOTES**  
REPRESENTED BY [n]  
APPLIES TO DRAWINGS A3.1.1 - A3.1.n

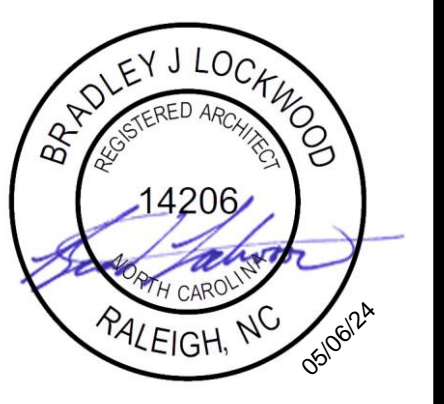
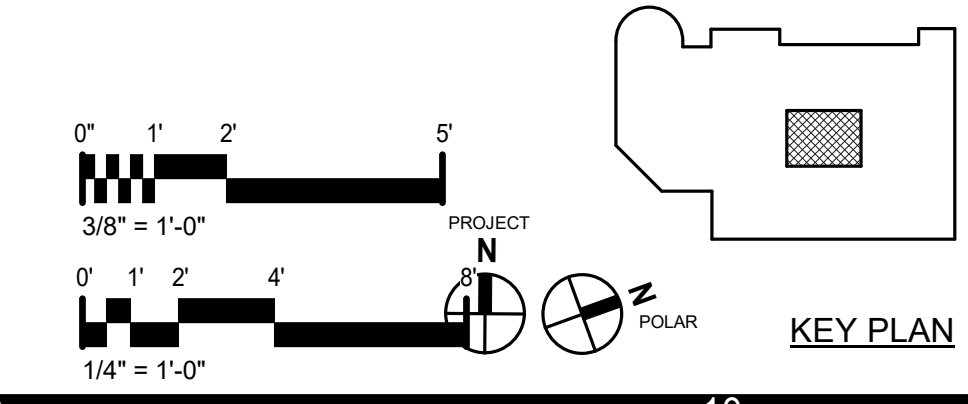
1. SIZE AS REQUIRED TO ACCOMMODATE DOOR, HARDWARE, AND FRAME COMPONENTS



**DESCRIPTION OF ALTERNATES**

**ALTERNATE NO. 1:** ALL WORK INCLUDED IN THIS AREA SHALL BE INCLUDED WITH BID ALTERNATE NO. 1 ONLY. IN BASE BID, NO WORK SHALL BE DONE IN THIS AREA.

**FLOOR PLAN**  
1/4" = 1'-0"

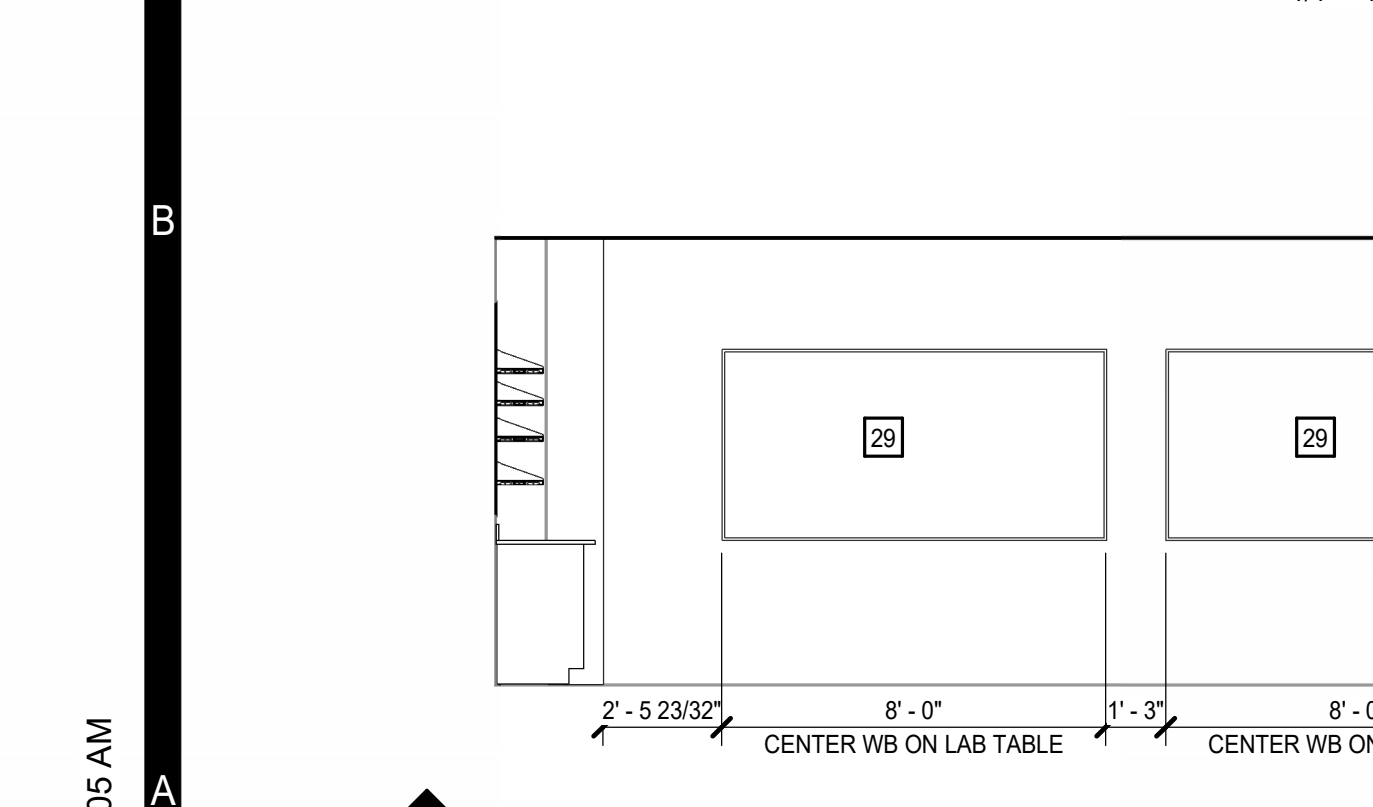
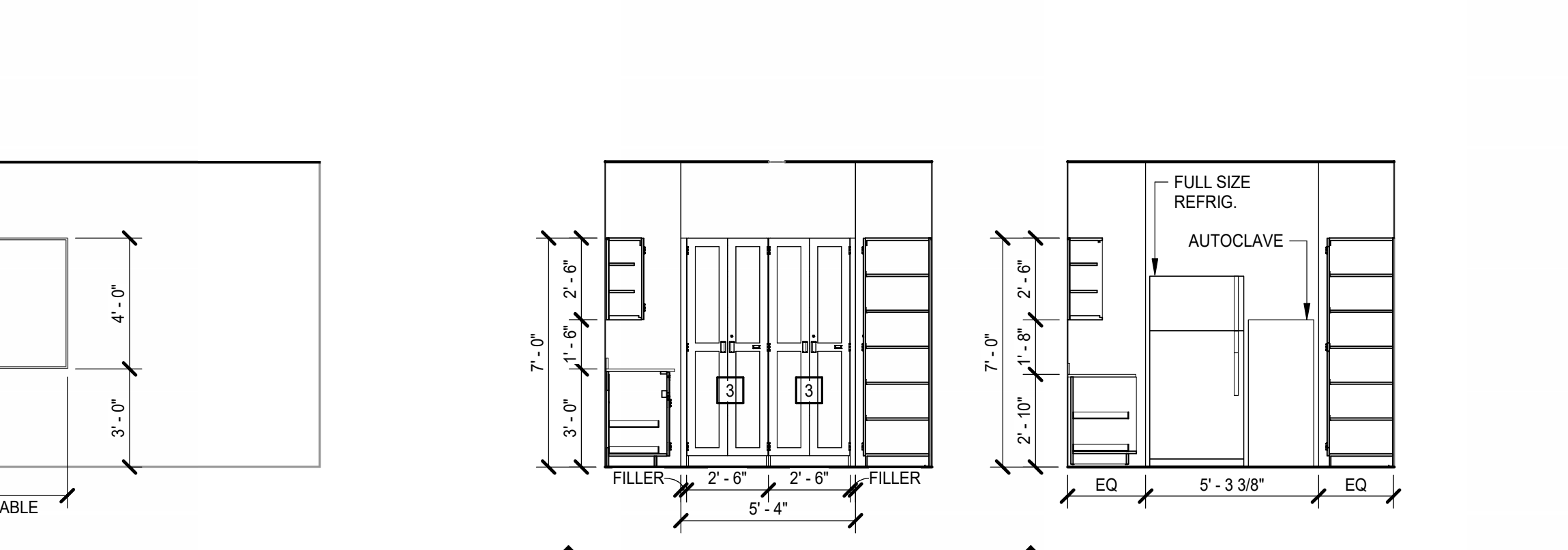
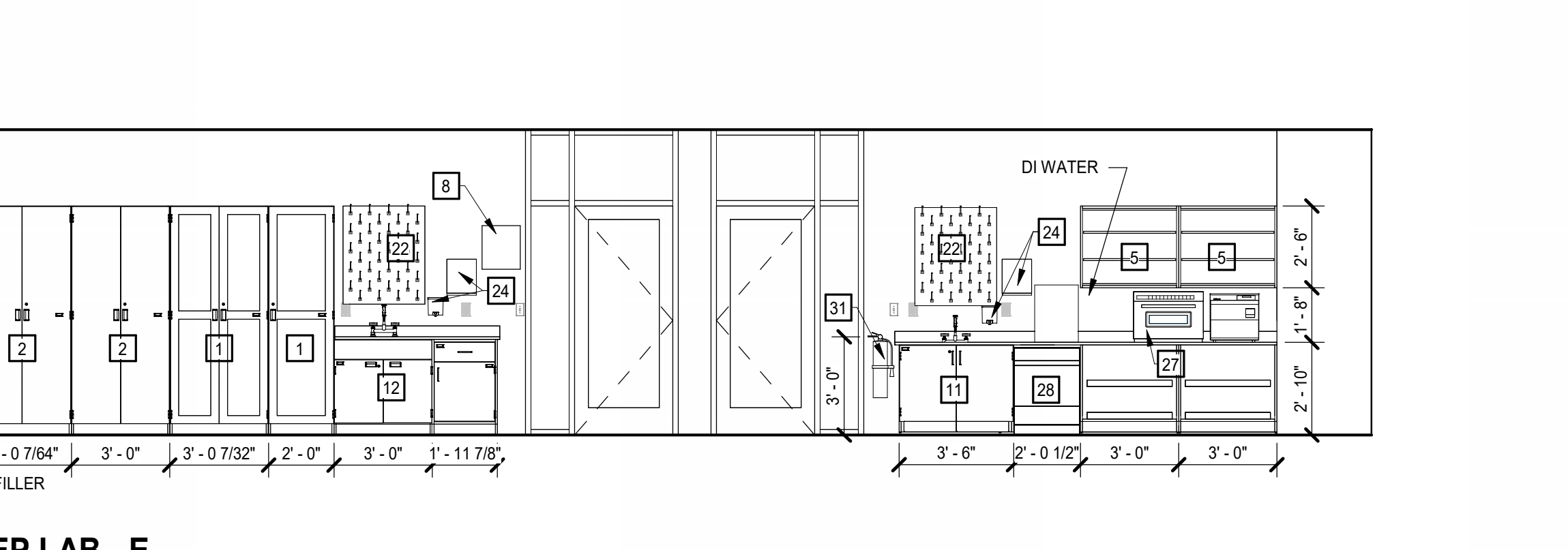
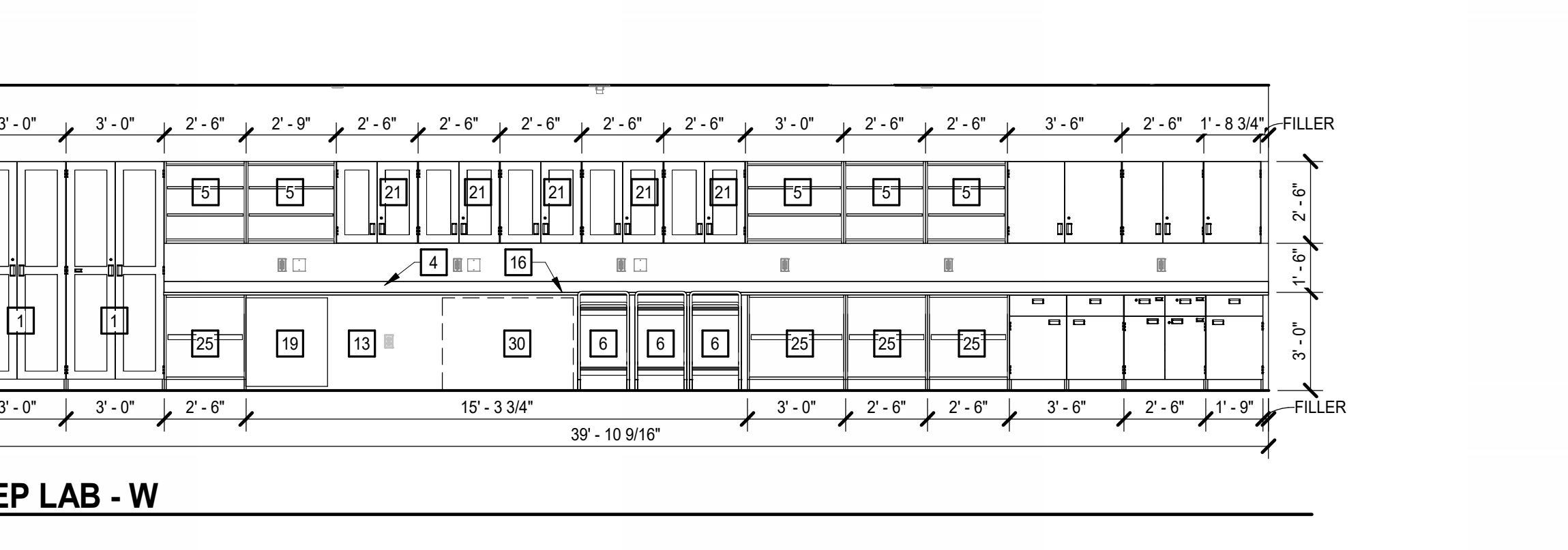
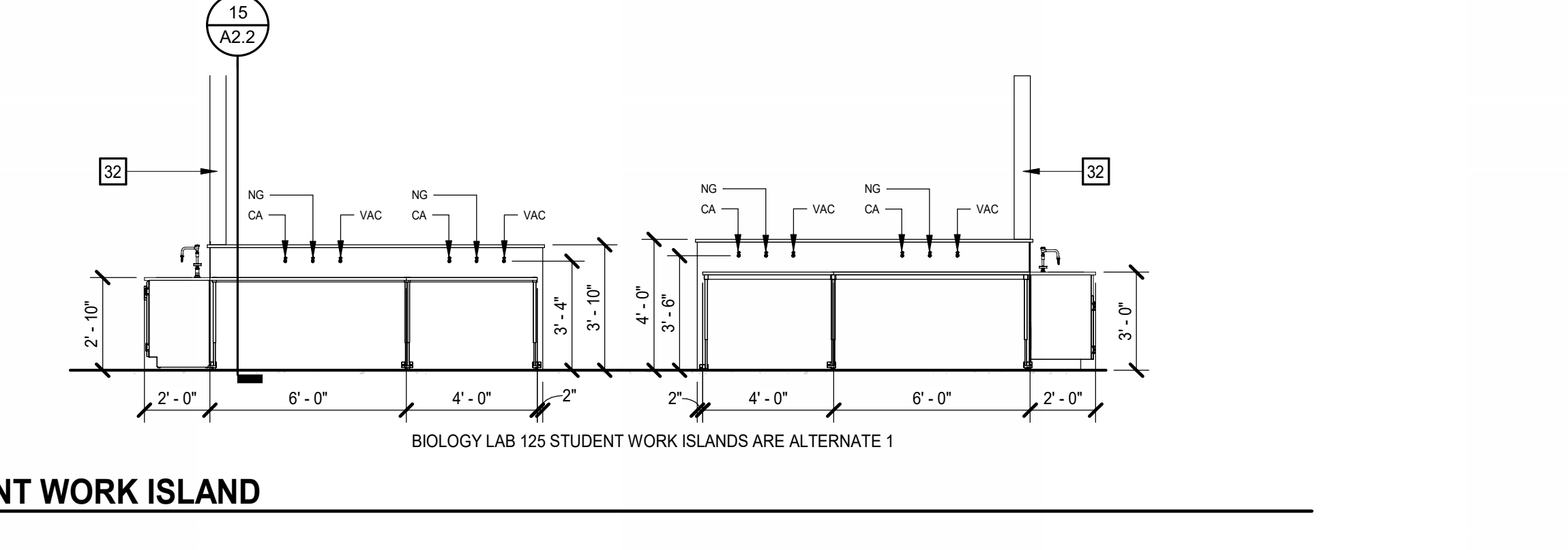
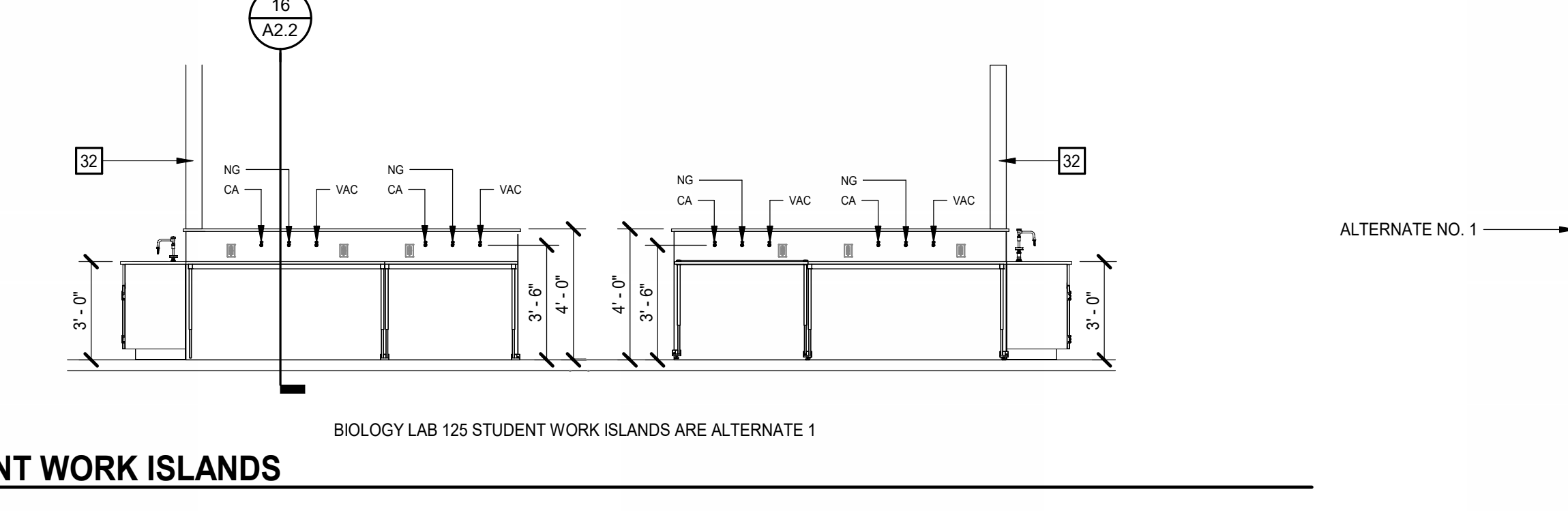
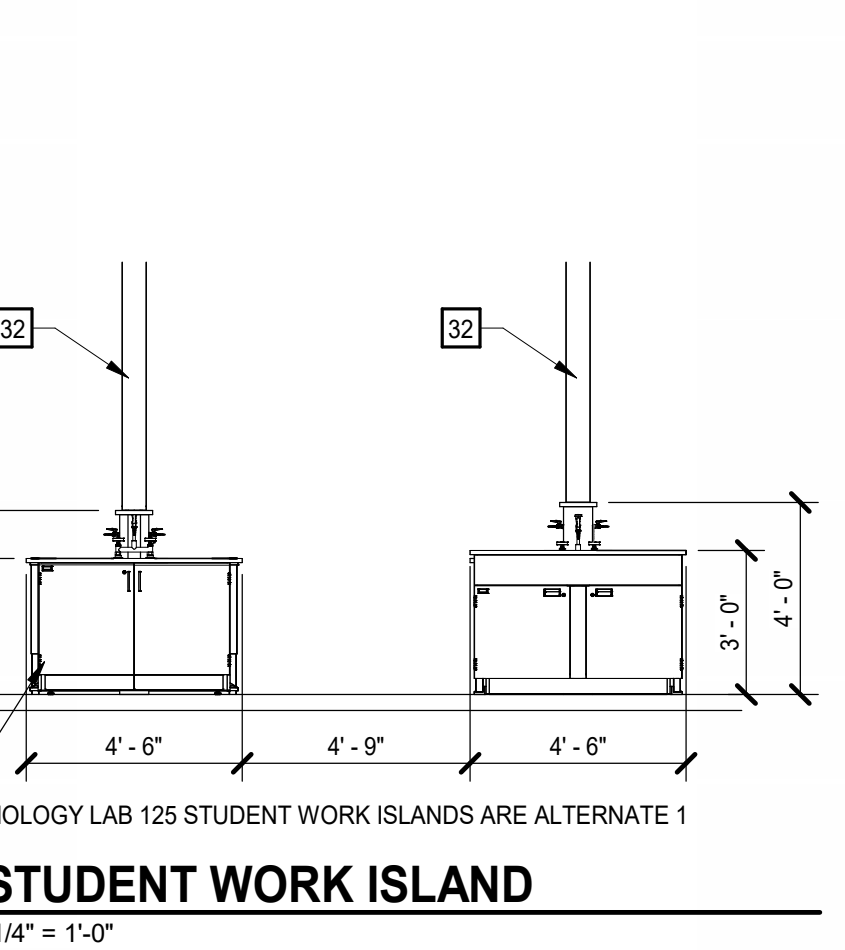
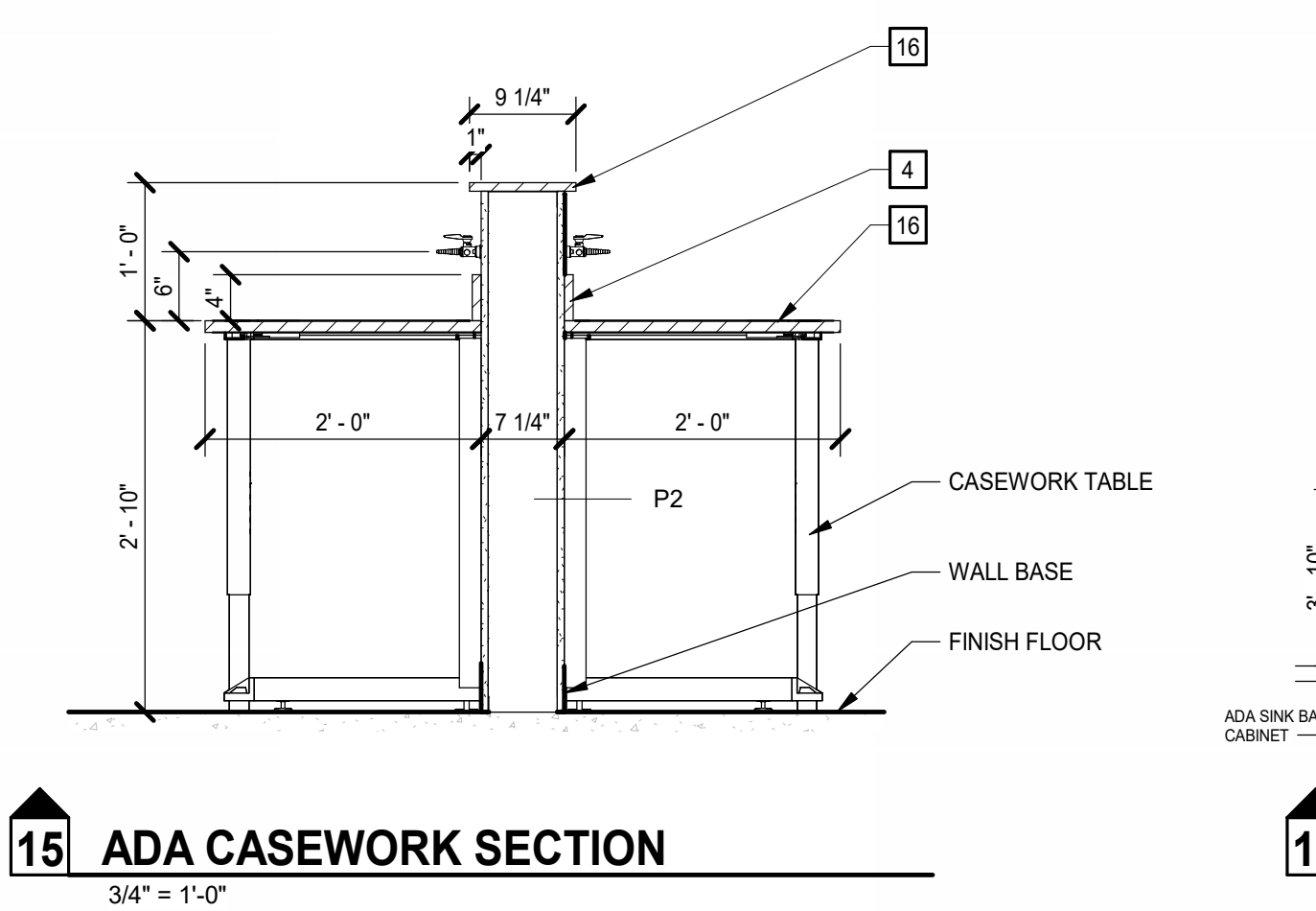
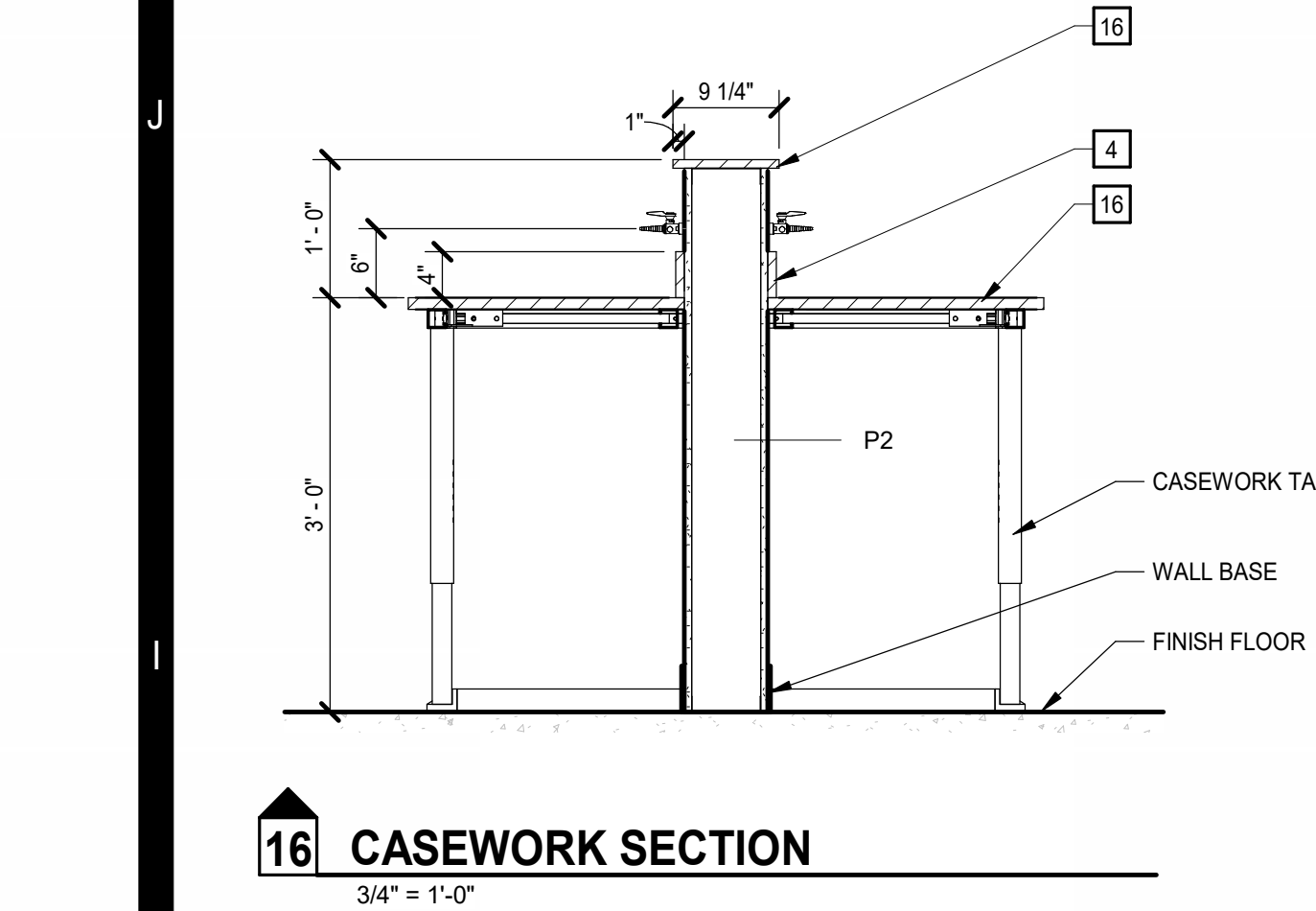
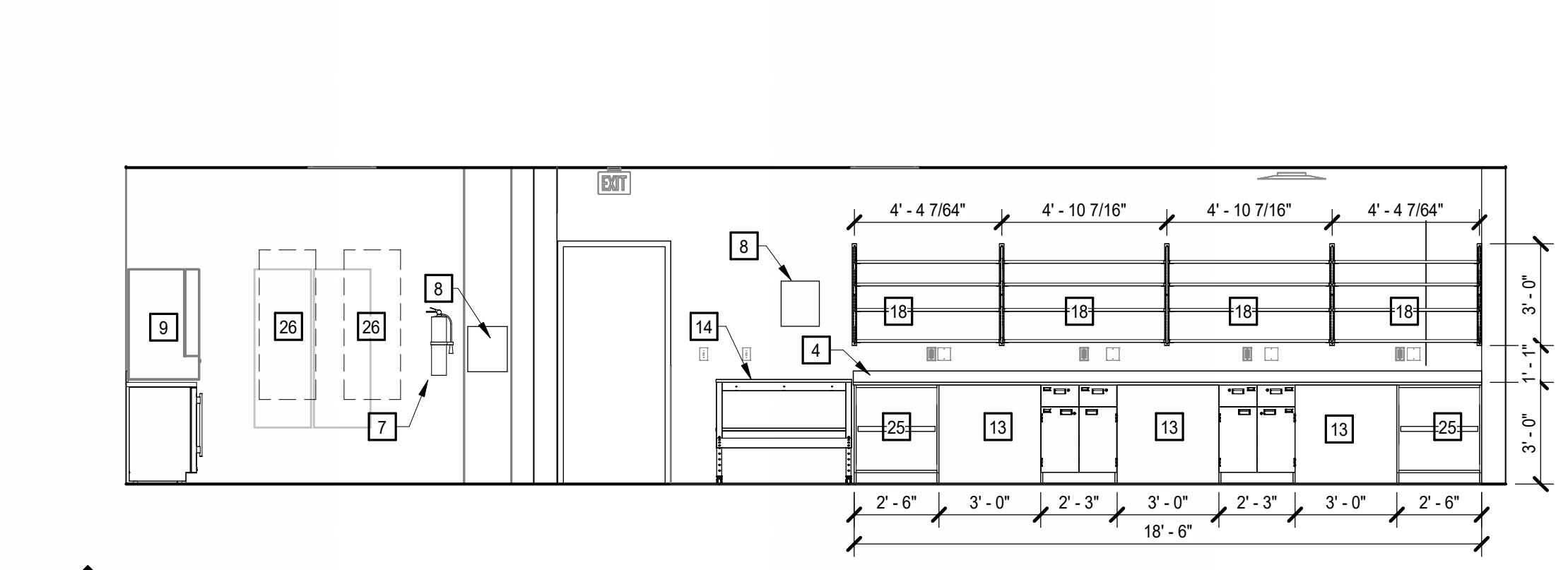
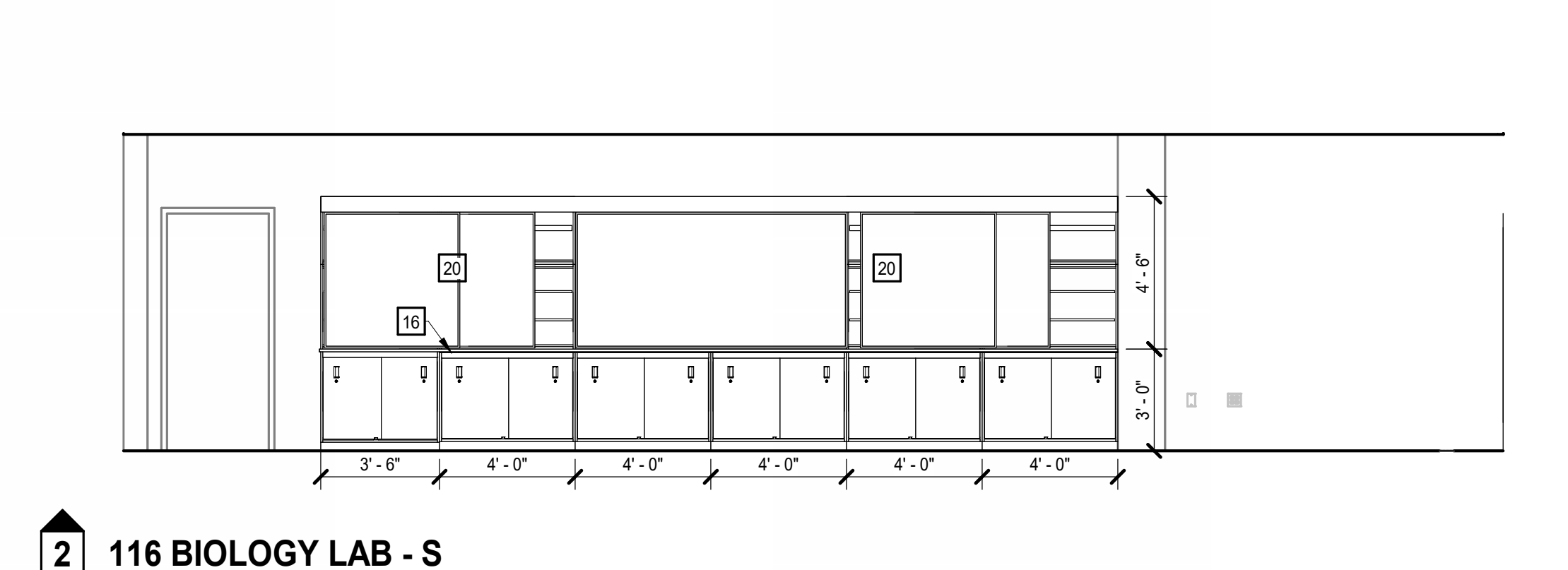
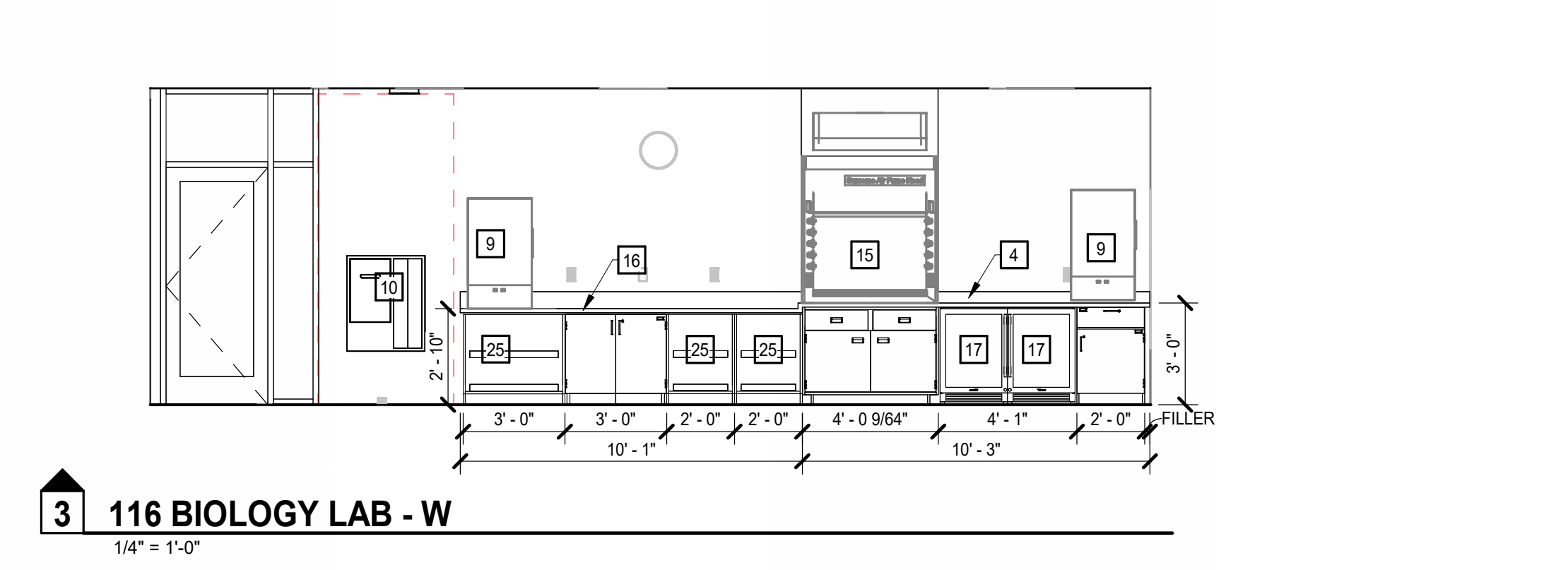
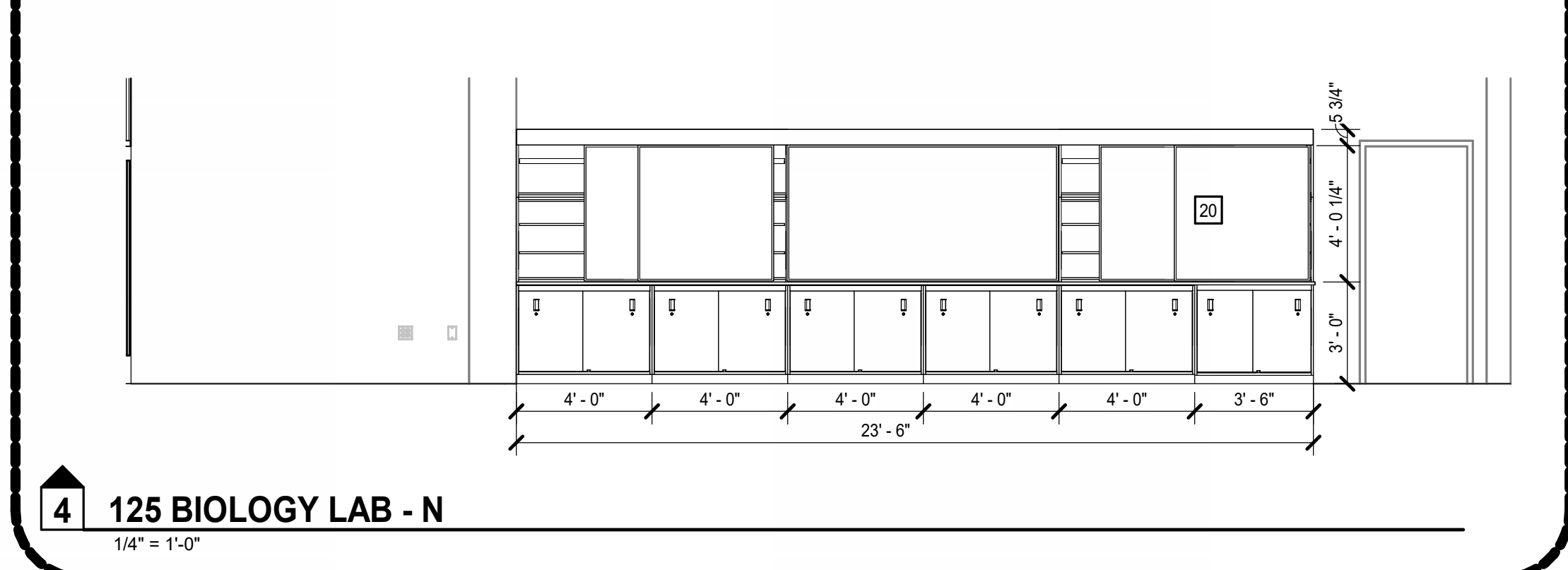
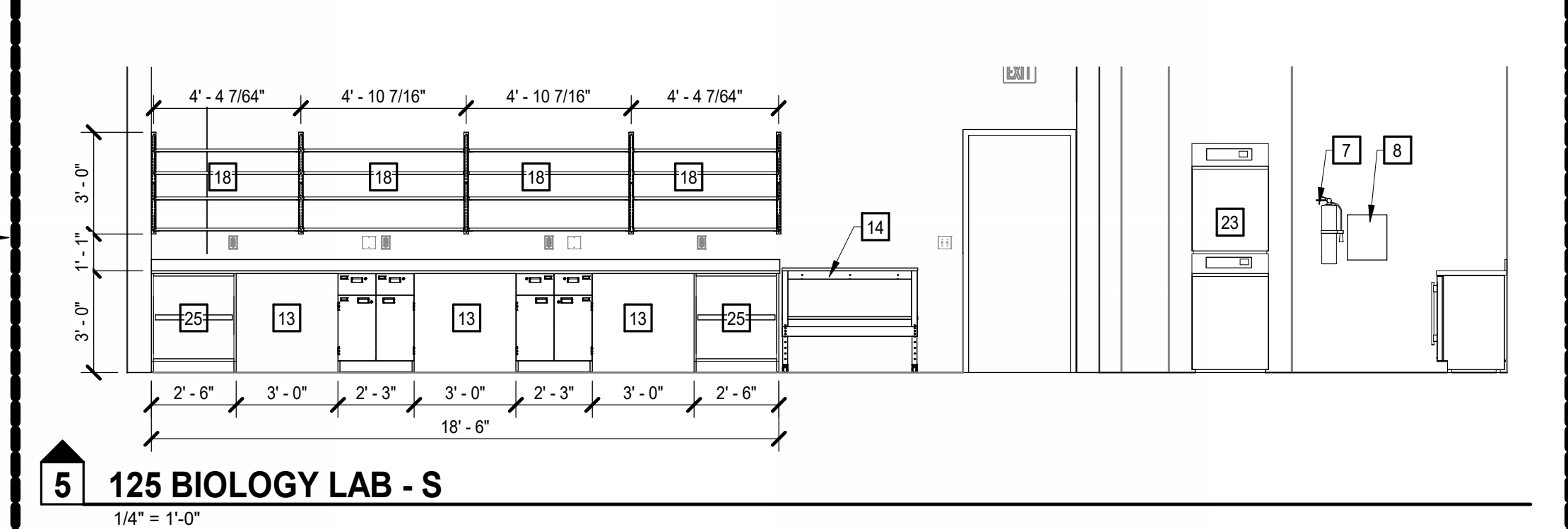
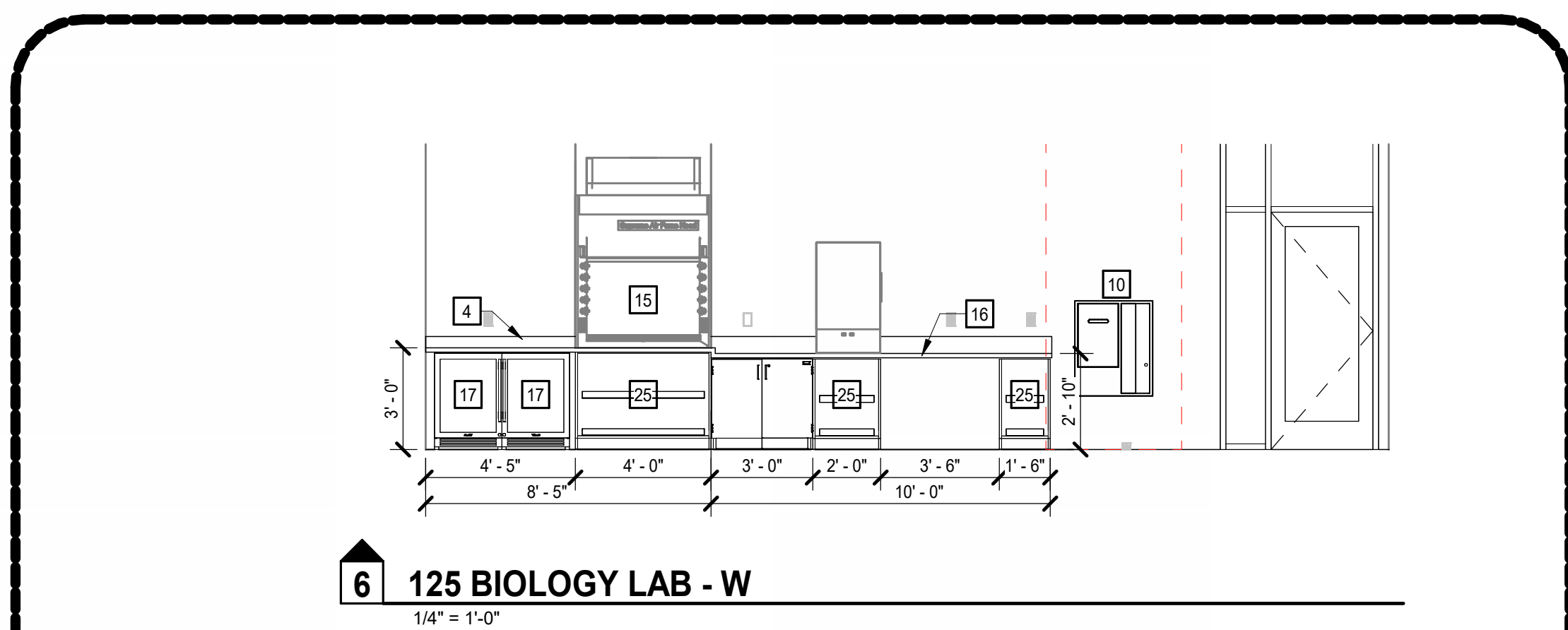


PROJECT NO: 632328  
DATE: MAY 6, 2024

DATE	DESCRIPTION

- ### CASEWORK GENERAL NOTES
- A. UNLESS INDICATED OTHERWISE, ALL COUNTERTOP(S)
    - 3'-0" AFF MAX OR 3'-0" MAX TO TOP OF RIM AT DROP-IN SINKS WHERE OCCURS
    - 2'-1" DEEP
    - RESIN
    - BACKSPASHES: 4" HIGH AT ALL SIDES AND BACK
    - EXTEND COUNTERTOP 1/2" PAST BASE CABINET AT ALL EXPOSED CASEWORK ENDS
    - VERIFY SLAB LEVELNESS AT CASEWORK PRIOR TO INSTALL
    - CONSTRUCTION TOLERANCES DO NOT APPLY TO ACCESSIBILITY DIMENSIONS; MAX DIMENSIONS SHALL BE MAINTAINED.
  - B. UNLESS INDICATED OTHERWISE, ALL BASE CABINET(S)
    - 2'-0" DEEP NOMINAL
    - TOE KICKS: 4" NOMINAL HIGH (REDUCE AS NEEDED FOR TOLERANCES) AND 3" DEEP
    - SINK LOCATIONS: 3'-0" WIDE FOR BARRIER FREE ACCESS
  - C. UNLESS INDICATED OTHERWISE, ALL WALL CABINET(S)
    - 1'-0 1/2" DEEP NOMINAL
    - 2'-6" HIGH
    - TOP AT 7'-0" AFF
    - MINIMUM 11" CLEAR INTERIOR DEPTH
  - D. UNLESS INDICATED OTHERWISE, ALL TALL CABINET(S)
    - 2'-0" DEEP NOMINAL
    - 7'-0" HIGH
    - TOE KICKS: 4" HIGH AND 3" DEEP
  - E. BUILT-IN EQUIPMENT: SIZE OPENING (HEIGHT, WIDTH AND DEPTH) AND ROUGH-IN REQUIREMENTS AS REQUIRED BASED ON APPROVED MANUFACTURER SUBMITTED.
  - F. ALL SHELVES: ADJUSTABLE UNLESS INDICATED OTHERWISE.
  - G. PROVIDE FINISH END PANELS AT ALL EXPOSED CASEWORK ENDS.
  - H. LOCKS: ON ALL TALL STORAGE CABINETS THROUGHOUT AND BASE CABINETS IN PREP LAB ONLY. LOCKS ALL KEY ALIKE.

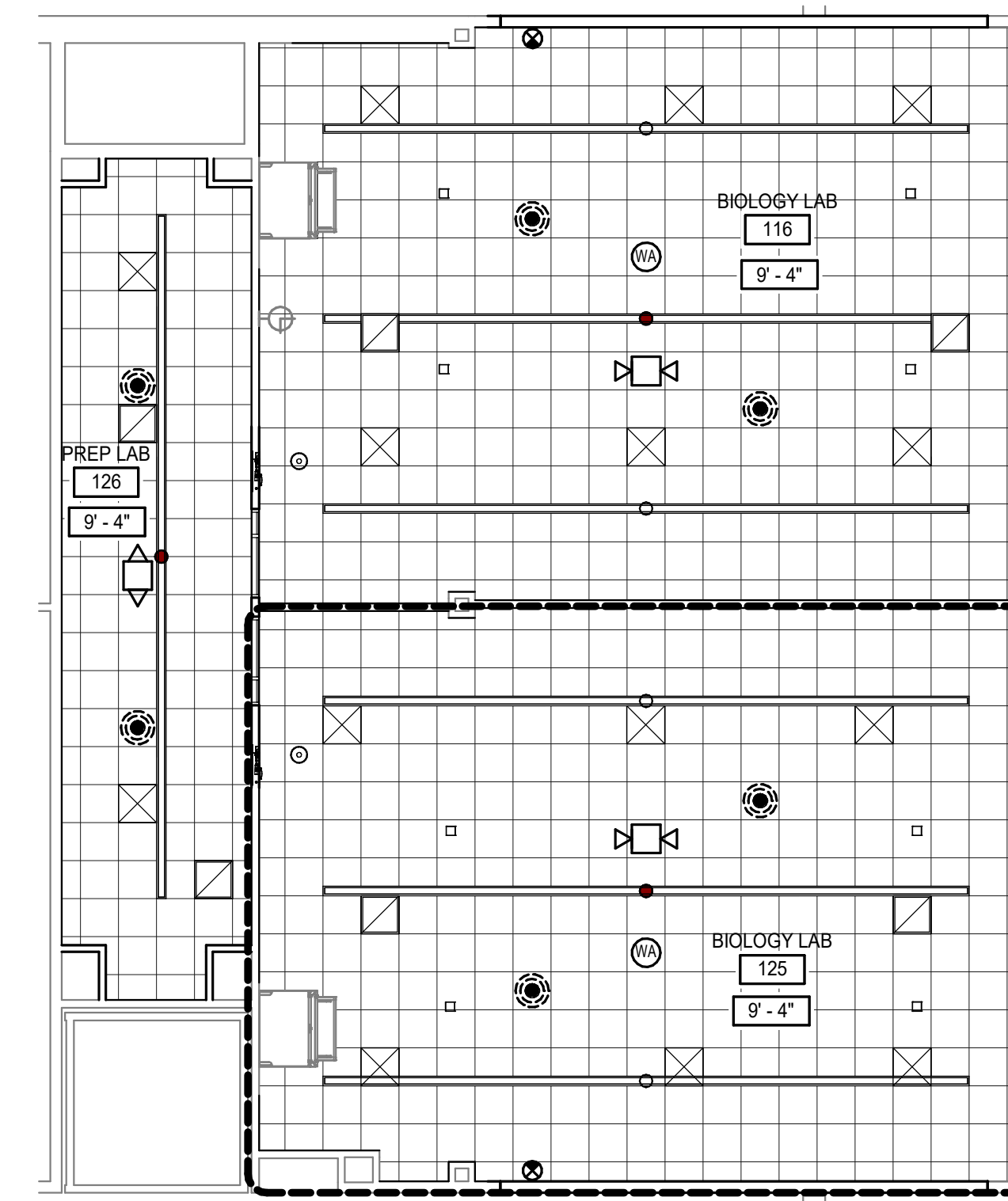
- ### CASEWORK KEYNOTES
- REPRESENTED BY [1]  
 APPLIES TO DRAWINGS A2.3
- 1 24" DEEP FULL-HEIGHT CABINET - GLASS DOORS, LOCK
  - 2 24" DEEP FULL-HEIGHT CABINET - SOLID DOORS, LOCK
  - 3 16" DEEP FULL-HEIGHT CABINET - GLASS DOORS, LOCK
  - 4 RESIN BACKSPASH, 4" TALL
  - 5 13" DEPTH UPPER SHELVING
  - 6 ROLLING CART STORAGE
  - 7 SURFACE MOUNTED FIRE EXTINGUISHER CABINET W/ EXTINGUISHER
  - 8 FIRST AID KIT, OFCI
  - 9 EXISTING INCUBATOR TO BE REUSED
  - 10 RECESSED - BARRIER FREE SAFETY STATION WITH EYE WASH
  - 11 ADA ACCESSIBLE SINK CABINET WITH INTEGRAL TOE KICK. REFER TO DETAIL
  - 12 LAB SINK 36" H
  - 13 OPEN KNEE SPACE. PROVIDE GOMMET & SUPPORT REFER TO SPECIFICATIONS. COORDINATE WITH OWNER GROMMET LOCATIONS
  - 14 ROLLING CART 52 5/8"
  - 15 EXISTING FUME HOOD AND DUCTING TO BE REUSED
  - 16 <varies>
  - 17 UNDERCOUNTER REFRIGERATOR OFCI
  - 18 ADJUSTABLE WALL MOUNTED SHELVING SYSTEM WITH GROW LIGHTS UNDER SHELVES
  - 19 EXISTING FLAMMABLE AND CORROSIVE CABINET
  - 20 CUSTOM CONFIGURATION OF 36" H RESIN COUNTER, SLIDING DOOR BASE CABINETS WITH(1) SHELF, OPEN SHELVING ABOVE AND SLIDING WHITE BOARDS, TACK STRIP ABOVE WHITEBOARDS
  - 21 13" DEPTH UPPER CABINET WITH GLASS DOORS
  - 22 DRYING PEG BOARD - REFER TO SPECIFICATIONS
  - 23 NEW DOUBLE - STACKED INCUBATOR
  - 24 PAPER TOWEL & SOAP DISPENSER, OFCI
  - 25 BASE CABINET WITH OPEN SHELF
  - 26 EXISTING ELECTRICAL PANELS
  - 27 COUNTERTOP MICROWAVE, OFCI
  - 28 DISHWASHER
  - 29 PROVIDE BLOCKING IN PARTITION FOR WHITEBOARD
  - 30 TRASH, BIOSAFETY, WASTE CONTAINERS
  - 31 SURFACE MOUNTED FIRE EXTINGUISHER
  - 32 VERTICAL SERVICE CHASE, PREFINISHED 2-PIECE METAL. EXTEND TO CEILING





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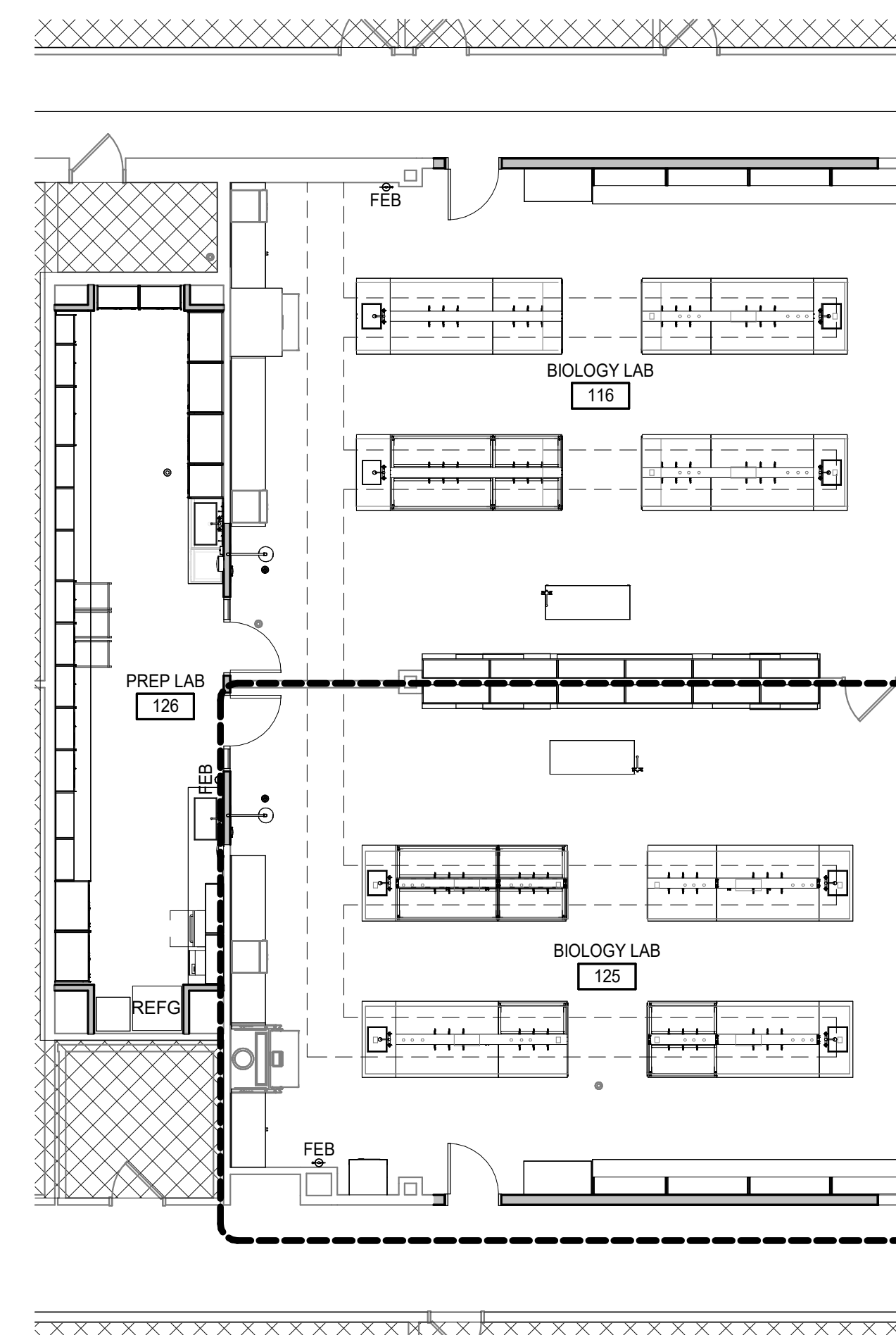
**REFLECTED CEILING PLAN**  
1/8" = 1'-0"

REFLECTED CEILING PLAN LEGEND	
APPLIES TO DRAWINGS A8.1.n - A9.1.n	
REFER TO M, E & FP DRAWINGS FOR REFLECTED CEILING PLAN SYMBOLS NOT INDICATED BELOW	
	SPACE NUMBER CEILING HEIGHT, AFF UNO
	2'-0" x 2'-0" LAY-IN ACOUSTICAL CEILING PANELS IN SUSPENDED GRID
	ACCESS PANEL
	INTERIOR WALL/PARTITION TO CAP ABOVE OR TERMINATES ADJACENT TO A RATED HORIZONTAL ASSEMBLY
	INTERIOR WALL/PARTITION TO UNDERSIDE OF CEILING
	EXISTING TO REMAIN, VERIFY VERTICAL EXTENTS WHERE THE HEIGHT IMPACTS THE WORK

- REFLECTED CEILING PLAN/DETAIL GENERAL NOTES**
- ALL CEILING HEIGHTS SHALL BE 9'-0" AFF UNLESS INDICATED OTHERWISE.
  - DRAWINGS INDICATE GRID LAYOUT DIAGRAMMATICALLY. REFER TO SPECIFICATIONS FOR SPECIFIC GRID LAYOUT CRITERIA AT PERIMETER CONDITIONS THAT MAY DIFFER FROM GRID LAYOUT INDICATED ON DRAWINGS.
  - CENTER CEILING MOUNTED ITEMS WITHIN CEILING PANELS, UNLESS INDICATED OTHERWISE.
  - IF ADDITIONAL SPRINKLER HEADS ARE REQUIRED TO SATISFY CODE OR COVERAGE DENSITIES (OTHER THAN THOSE THAT MAY BE INDICATED), PROVIDE ADDITIONAL SPRINKLER HEADS AT NO ADDITIONAL COST AND OBTAIN APPROVAL OF ARCHITECT FOR LOCATION OF SUCH HEADS, IF ANY.

FINISH SCHEDULE									
NUMBER	NAME	FLOOR	BASE	WALLS				CEILING	NOTES
				NORTH	EAST	SOUTH	WEST		
102	CLASSROOM								
103	CLASSROOM								
104	CLASSROOM								
105	CLASSROOM								

BASIS OF DESIGN FINISH LEGEND				
SPECIFICATION	DESCRIPTION	MATERIAL	MANUFACTURER	PRODUCT - COLOR
095100 CEILINGS				
	ACP	CEILING TILE	ARMSTRONGS	FINE FISSURE 928 - EXISTING BUILDING LAY-IN TILE
096513 RESILIENT BASE AND ACCESSORIES				
	IRB	RUBBER COVE BASE	NORA	NORA WALL BASE, COLOR: TBD
096516 RESILIENT SHEET FLOORING				
	RSF	RUBBER SHEET FLOORING	NORA	NORAPLAN SENTICA, COLOR: SURF
099100 PAINTING				
	PT-1	PAINT	SHERWIN WILLIAMS	WALL COLOR
	PT-2	PAINT	SHERWIN WILLIAMS	TRIM PAINT

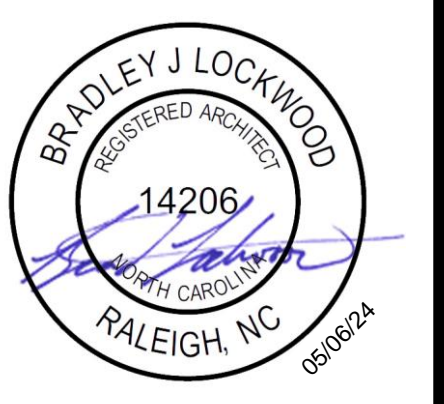


**FINISH PLAN**  
1/8" = 1'-0"

- FINISH SCHEDULE GENERAL NOTES**
- FINISH SCHEDULE DESCRIBES ONLY THE BASIC OR PREDOMINANT SURFACE FINISH.
  - PROVIDE SAME FINISHES AS THE ADJACENT SPACE IN ALCOVES AND CONTINUOUS SPACES WITHOUT DESIGNATED SPACE NUMBERS.
  - CASEWORK FINISHES ARE NOT NOTED IN THE FINISH SCHEDULE. REFER TO CASEWORK ELEVATIONS AND SPECIFICATIONS FOR MATERIALS AND FINISHES.
  - DIRECTIONAL WALL FINISH INDICATORS (NORTH, EAST, SOUTH, WEST) REFER TO THE "PLAN" NORTH ORIENTATION.
  - BULKHEADS AND SOFFITS MAY NOT BE INDICATED IN FINISH SCHEDULES. REFER TO RCP DETAILS, AND OTHER DOCUMENTS FOR EXTENT.
  - PROVIDE CONTINUOUS SEALANT BETWEEN INTERIOR SLAB-ON-GRADE AND VERTICAL ELEMENT WHERE JOINT IS NOT CONCEALED BY FINISH BASE OR OTHER CONSTRUCTION.
  - REFER TO SPECIFICATIONS FOR INFORMATION ON FINISH FIRE CLASSIFICATION RATING.
  - PROVIDE RUBBER BASE ON ALL FIXED CASEWORK.

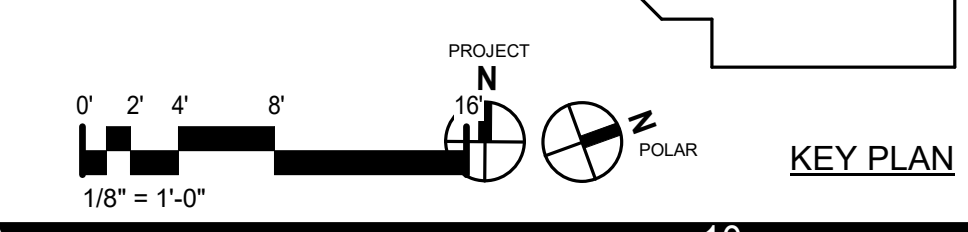
**DESCRIPTION OF ALTERNATES**

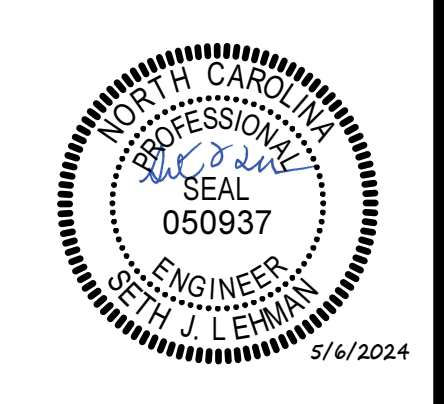
**ALTERNATE NO. 1:** ALL WORK INCLUDED IN THIS AREA SHALL BE INCLUDED WITH BID ALTERNATE NO. 1 ONLY. IN BASE BID, NO WORK SHALL BE DONE IN THIS AREA.



PROJECT NO:	DATE:
632328	MAY 6, 2024
REVISIONS	
DATE	DESCRIPTION

PROJECT NO:	DATE:
632328	MAY 6, 2024
REVISIONS	
DATE	DESCRIPTION





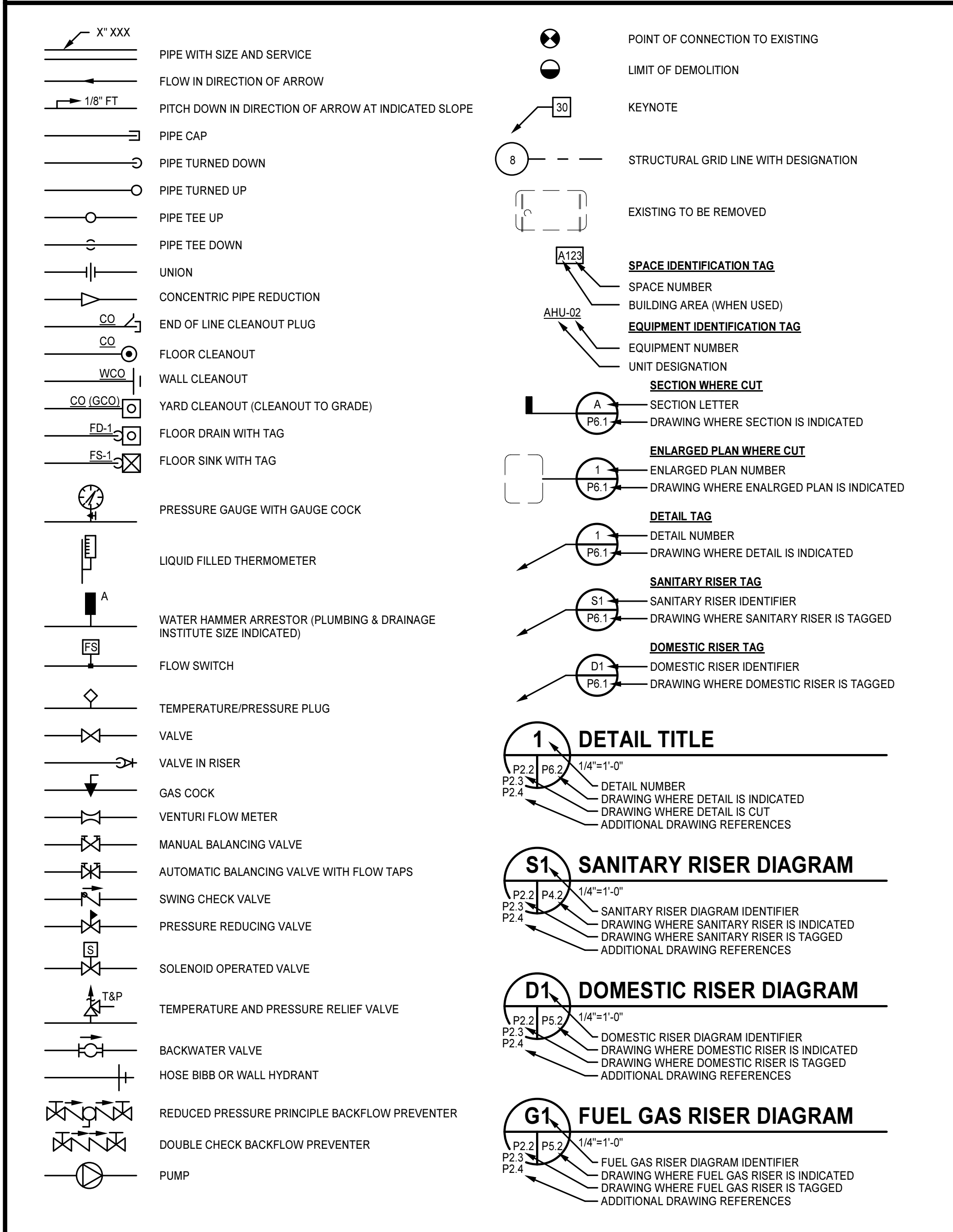
PROJECT NO:	832328
DATE:	MAY 6, 2024
REVISIONS	
DATE	DESCRIPTION

**LEGENDS, ABBREVIATIONS, GENERAL NOTES & SCHEDULES**

**ABBREVIATIONS**

@	AT	EVC	ELECTRIC WATER COOLER	OSD	OPEN SITE DRAIN
AAV	AIR ADMITTANCE VALVE	EWH	ELECTRIC WATER HEATER	PC	PRECAST
ABV	ABOVE	PCF	POUNDS PER CUBIC FOOT	PD	PUMP DISCHARGE
AC-X	AIR COMPRESSOR DESIGNATION	EXP	EXPANSION	PLUMB	PLUMBING
ADJ	ADJUSTABLE	FCO	FLOOR CLEANOUT	PLYWD	PLYWOOD
ADNL	ADDITIONAL	FD	FLOOR DRAIN	POLY	POLYETHYLENE
APF	ABOVE FINISHED FLOOR	FDC	FIRE DEPARTMENT CONNECTION	PPT	PRESSURE PRESERVATIVE TREATED
AFS	ABOVE FINISHED GRADE	FF	FINISHED FLOOR	PRFAB	PREFABRICATE(D)
AHU	AIR HANDLING UNIT	FFE	FINISHED FLOOR ELEVATION	PROJ	PROJECT
ALT	ALTERNATE	FG	FINISHED GRADE	PSF	POUNDS PER SQUARE FOOT
ALUM	ALUMINUM	FH	FIRE HYDRANT	PSI	POUNDS PER SQUARE INCH
AP	ACCESS PANEL	FHC	FIRE HOSE CABINET	PV	PROPANE VENT
APPR	APPROXIMATE	FHS	FIRE HOSE STATION	PVC	POLYVINYL CHLORIDE
ARCH	ARCHITECTURAL	FHVC	FIRE HOSE VALVE CABINET	PVMT	PAVEMENT
AUTO	AUTOMATIC	FX	FIXTURE	R	RISER
AVG	AVERAGE	FLR	FLOOR	RAD	RADIUS
BFF	BELOW FINISHED FLOOR	FLSHG	FLASHING	RD	RECIRCULATION PUMP DESIGNATION
BFG	BELOW FINISHED GRADE	FOR	FUEL OIL RETURN	RD-X	ROOF DRAIN (BOTTOM OUTLET)
BLDG	BUILDING	FOS	FUEL OIL SUPPLY	RDS	ROOF DRAIN (SIDE OUTLET)
BO	BOTTOM OF	FOV	FUEL OIL VENT	REF	REFERENCE
BOT	BOTTOM	FSD	FOUNDATION SUB-DRAIN	REQD	REQUIRED
BSMT	BASEMENT	FT	FOOT OR FEET	REOMT	REQUIREMENTS
BTWN	BETWEEN	FVC	FIRE VALVE CABINET	RL	ROOM
CA	COMPRESSED AIR	G	GAS	RM	ROOM
CI	CAST IRON	GOD	GRADE CLEANOUT	RO	ROUGH OPENING
CP	CAST-IN-PLACE CONCRETE	GWH	GAS WATER HEATER	RV	RAVON VENT
CL	CENTERLINE	HB	HOSE BIBB	S	SOUTH
CLG	CEILING	HORIZ	HORIZONTAL	SAN	SANITARY
CLR	CLEAR	HP	HORSEPOWER	SCH	SCHEDULE
CMP	CORRUGATED METAL PIPE	HR-X	HOSE REEL DESIGNATION	SD	STORM DRAINAGE PIPING
CNTR	COUNTERTOP	HTG	HEATING	SDN	STORM DRAIN NOZZLE
CO	CLEANOUT	HW	HOT WATER	SFN	SQUARE FOOT/FEET
COL	COLUMN	HWR	HOT WATER RETURN	SF	SHEET
CONC	CONCRETE	HWS	HOT WATER SUPPLY	SHT	SHEET
CONDS	CONDENSATE	IN	INSIDE DIAMETER	SLT	SLANT
CONSTR	CONSTRUCTION	INCH	INCH	SOG	SLAB ON GRADE
CONT	CONTINUATION	INSUL	INSULATE OR INSULATION	SP	SUMP PUMP
CONTR	CONTRACT-(OR)	INV	INVERT	SPEC	SPECIFICATION
CORR	CORRIDOR	JAN	JANITOR	SPR	SPRINKLER
CP	CIRCULATING PUMP	KIT	KITCHEN	SQ	SQUARE
CR	CLASSROOM	KW	KITCHEN WASTE	SRD	SECONDARY STORM DRAIN
CT	COOLING TOWER	LAB	LABORATORY	SS	STAINLESS STEEL
CU	COPPER	LAV	LAVATORY	SSD	SECONDARY STORM DRAINAGE PIPING
CU FT	CUBIC FEET	LBS	POUNDS	STD	STANDARD
CU YD	CUBIC YARD	LF	LINEAR FOOT (FEET)	STL	STEEL
CW	COLD WATER	LP	PROPANE	STOR	STORAGE
DB	DRY BULB	LPV	PROPANE VENT	STRUCT	STRUCTURAL
DCW	DOMESTIC COLD WATER	MATL	MATERIAL	SUSP	SUSPENDED
DEMO	DEMOLISH OR DEMOLITION	MAX	MAXIMUM	TD	TRENCH DRAIN
DF	DRINKING FOUNTAIN	MECH	MECHANICAL	THK	THICKNESS
DHR	DOMESTIC HOT WATER RETURN	MED	MEDIUM	TLT	TOILET
DHR(140)	DOMESTIC HOT WATER RETURN (140°)	MFR	MANUFACTURER	TMV	THERMOSTATIC MIXING VALVE
DHW	DOMESTIC HOT WATER	MH	MANHOLE	TOSL	TOP OF SLAB
DHW(140)	DOMESTIC HOT WATER (140°)	MN	MINIMUM	TW	DOMESTIC TEMPERED WATER (90° F)
DI	DROP INLET	MISC	MISCELLANEOUS	TYP	TYPICAL
DIA	DIAMETER	MTD	MOUNTED	UG	UNDERGROUND
DIP	DUCTILE IRON PIPE	N	NORTH	UNO	UNLESS NOTED (INDICATED) OTHERWISE
DN	DOWN	N/A	NOT APPLICABLE/AVAILABLE	V	VENT
DR-X	COMPRESSED AIR DRYER DESIGNATION	NC	NORMALLY CLOSED	VAC	VACUUM
DS	DOWNSPOUT	NG	NATURAL GAS	VB	VACUUM BREAKER
DT	DRAIN TILE	NGV	NATURAL GAS VENT	VERT	VERTICAL
DTL	DETAIL	NIC	NOT IN CONTRACT	VIF	VERIFY IN FIELD
DTW	DOMESTIC TEMPERED WATER	NO	NORMALLY OPEN	VTR	VENT THROUGH ROOF
DWG	DRAWING	NO. (#)	NUMBER	W	WEST
DWP	DOMESTIC WATER BOOSTER PUMP	NOM	NOMINAL	W	WITH
E	EAST	OC	ON CENTER	W/O	WITHOUT
ED	EMERGENCY SECONDARY ROOF DRAIN	OD	OUTSIDE DIAMETER	WB	WATER HAMMER ARRESTER
ELEC	ELECTRICAL	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED	WC	WATER CLOSET
ELEV	ELEVATION	OFF	OFFICE	WCO	WALL CLEANOUT
EFSD	ELECTRICAL PANELBOARD	OH	OVERHEAD	WSHP	WATER SOURCE HEAT PUMP
EQ	EQUAL	OPNG	OPENING	WWF	WELDED WIRE FABRIC
EQUIP	EQUIPMENT	OPP	OPPOSITE	WWM	WELDED WIRE MESH
ETR	EXISTING TO REMAIN			XFMR	TRANSFORMER

**GRAPHICS SYMBOLS LEGEND**



**PLUMBING FIXTURE SCHEDULE**

TAG	FIXTURE	HEIGHT A.F.F.	PIPE SIZE					NOTES
			COLD WATER	TEPID WATER	HOT WATER	VENT	SOIL WASTE	
EEW-1	EMERGENCY EYEWASH/SHOWER STATION	SPRAYHEADS AT 36"				1 1/2"	1 1/2"	5
SK-SC	SCIENCE ROOM SINK	ROUGH-IN PIPING AND ACCESSORIES ONLY	INTEGRAL SINK: REFER TO ARCH DWGS	1/2"	1 1/2"	1/2"	2"	2"
WSB-1	ICE MAKER OUTLET BOX	BOTTOM AT 8"						1, 2, 3, 4

1. THIS ACCESSIBLE FIXTURE, ACCESSORIES, AND INSTALLATION SHALL CONFORM TO THE USBC AND ASADA STANDARDS FOR ACCESSIBLE DESIGN.  
 2. PROVIDE ASS-1070 CERTIFIED MIXING VALVE IN STAINLESS STEEL WALL CABINET, ABOVE CEILING, OR BELOW FIXTURE ACCESSIBLE BUT CONCEALED FROM VIEW.  
 3. PROVIDE DISHWASHER HOOK-UP WHERE DISHWASHER IS PRESENT. CONNECT HW IN SINK BASE AND CONNECT SANITARY THRU AIR GAP FITTING OR HIGH LOOP HOSE DRAIN INTO DISHWASHER TAIL PIECE SINK DRAIN.  
 4. PROVIDE ASS-1048 CERTIFIED AIR ADMITTANCE VALVE FOR SCIENCE LAB SINKS AND SINKS OF SIMILAR FUNCTION WHERE REQUIRED.  
 5. PROVIDE ASS-1071 CERTIFIED EMERGENCY MIXING VALVE IN STAINLESS STEEL WALL CABINET.

**THERMOSTATIC MIXING VALVE SCHEDULE**

TAG	BASIS OF DESIGN		DESIGN FLOW (GPM)	FLOW RANGE (GPM)	MAX P.D. AT DESIGN FLOW (PSI)	HW SYSTEM TEMPERATURES		CONNECTION SIZE		NOTES
	MANUFACTURER	MODEL				INLET (F)	OUTLET (F)	INLET (IN)	OUTLET (IN)	
EM-TMV	BRADLEY	S19-2250-EF50-RBP	22	3-40	5	120	85	1 1/2"	1 1/2"	1, 2, 3

1. PROVIDE THERMOSTATIC MIXING VALVE ASSEMBLY WITH STAINLESS STEEL WALL MOUNTED CABINET AND TYP GAUGES ON INLETS AND OUTLET.  
 2. DESIGN FLOW AND PRESSURE DROP BASED ON 5.1GPM EYEFACE WASH AND 22GPM SHOWER ASSEMBLY.  
 3. PROVIDE UNIT CONCEALED ABOVE CEILING FOR CASEWORK SAFETY CABINETS.

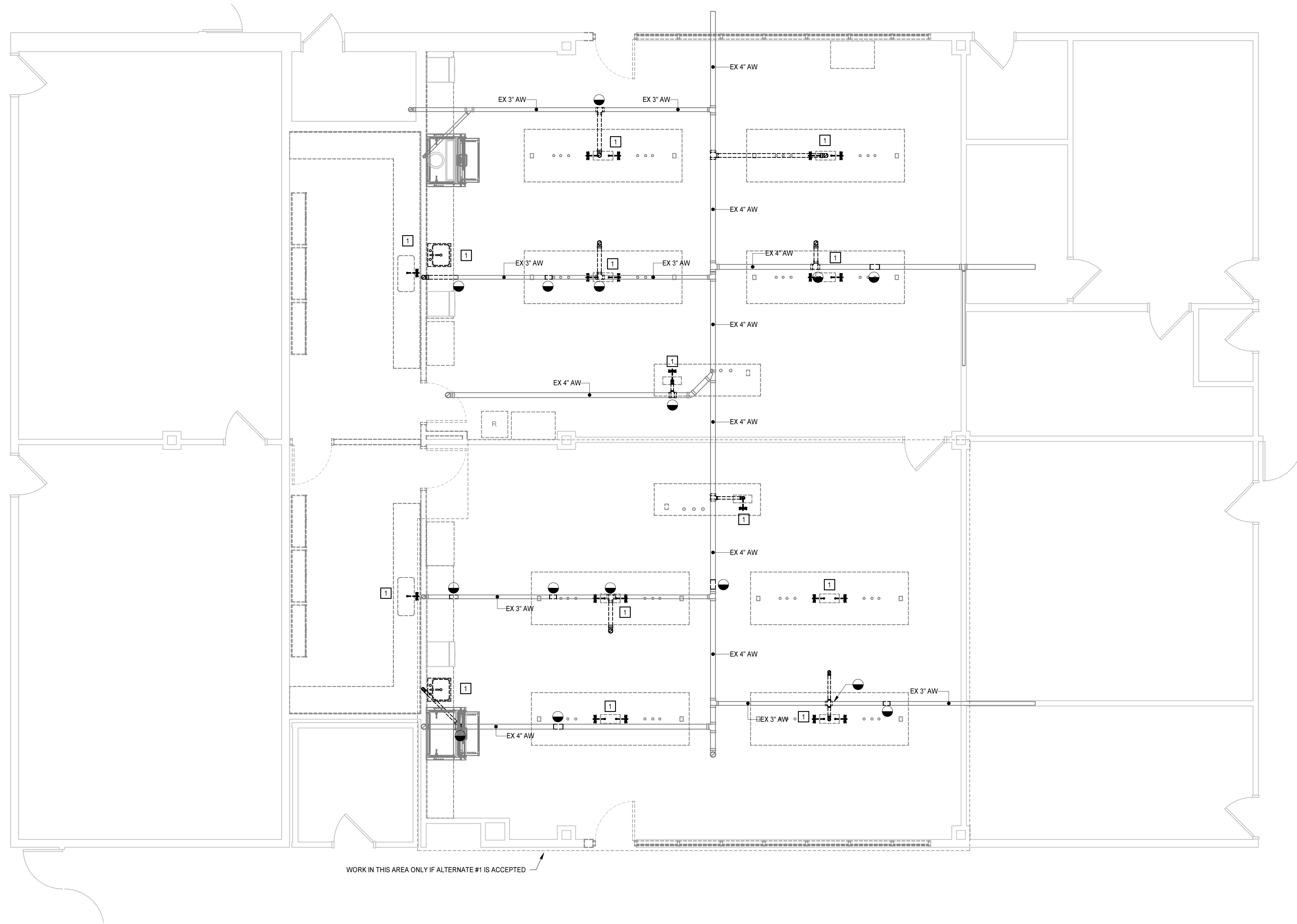
**GENERAL NOTES**

- A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.
- B. COORDINATE PIPING LOCATIONS AND INSTALLATION WITH EACH TRADE TO AVOID CONFLICTS WITH OTHER TRADES.
- C. PROVIDE FLOOR CLEANOUTS INDICATED FLUSH WITH FLOOR FINISHES.
- D. PROVIDE CLEANOUTS WHERE INDICATED AND ADDITIONAL CLEANOUTS AS REQUIRED BY LOCAL CODE.
- E. REFER TO DRAWINGS FROM EACH DISCIPLINE BEFORE ROUGHING-IN PLUMBING FIXTURES.
- F. OBTAIN DIMENSIONS AND ROUTING IN FIELD BEFORE INSTALLATION OF PLUMBING AND FIXTURES.
- G. INSTALL ALL DRAINAGE PATTERN FITTINGS AND PIPING IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
- H. REFER TO STRUCTURAL DRAWINGS FOR DETAILS AND MAXIMUM SPACING REQUIREMENTS REGARDING HANGER ATTACHMENTS TO STEEL BAR JOISTS.
- I. PROVIDE ISOLATION VALVES IN ACCORDANCE WITH DIAGRAMS, DETAILS, AND DIVISION 22 SPECIFICATIONS.

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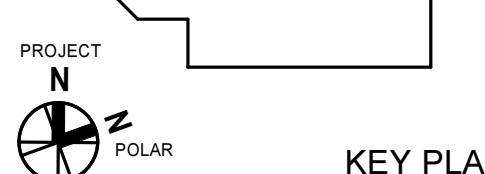
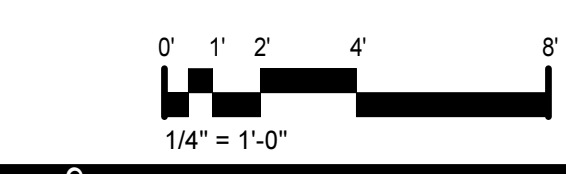
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1 2 3 4 5 6 7 8 9 10



WORK IN THIS AREA ONLY IF ALTERNATE #1 IS ACCEPTED

**FOUNDATION PLAN - DEMOLITION - PLUMBING**  
1/4" = 1'-0"



KEY PLAN

1/4" = 1'-0"

**GENERAL NOTES**

A. VERIFY AND COORDINATE ALL EXISTING FIELD CONDITIONS PRIOR TO BEGINNING ANY DEMOLITION WORK. PROTECT ANY AND ALL EQUIPMENT, PIPING, AND ACCESSORIES NOT BEING DEMOLISHED DURING DEMOLITION. PATCH AND REPAIR ANY DAMAGE TO CONDITIONS EQUAL TO OR BETTER THAN THE CONDITIONS PRIOR TO DEMOLITION.

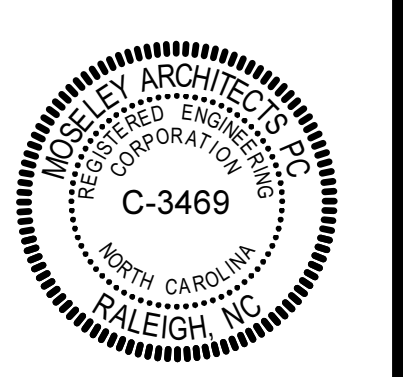
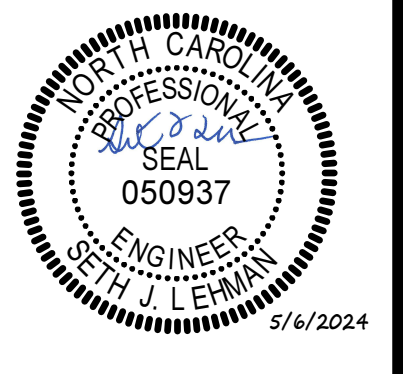
**KEYNOTES**

APPLIES TO DRAWINGS P1.1  
REPRESENTED BY [Symbol]

1. REMOVE EXISTING PLUMBING FIXTURES AND ASSOCIATED PIPINGS, FITTINGS, AND ACCESSORIES COMPLETE WHERE APPLICABLE AND PREPARE FOR NEW PLUMBING FIXTURE UTILIZING EXISTING PLUMBING CONNECTIONS. SANITARY PIPES BELOW THE FLOOR THAT ARE NOT BEING RE-USED AS PART OF THE RENOVATION SHALL BE CAPPED WITH A FLOOR CLEANOUT. REMOVE ALL DOMESTIC WATER, ACID WASTE, SANITARY VENT, GAS, AIR, AND VACUUM BACK TO WALL OR FLOOR. VALVE AND CAP OR PREPARE FOR NEW CONNECTIONS AS NEEDED.

**MOSELEYARCHITECTS**

911 N. WEST STREET, SUITE 205 RALEIGH, NORTH CAROLINA, 27603  
PHONE (919) 840-0051  
MOSELEYARCHITECTS.COM



**JENKINS LAB RENOVATION**

SCO ID# 23-27244-02A  
ELIZABETH CITY STATE UNIVERSITY  
20 SCIENCE DRIVE, ELIZABETH CITY, NC 27909

PROJECT NO:	632328
DATE:	MAY 5, 2024
REVISIONS	
DATE	DESCRIPTION

DEMOLITION PLAN - PLUMBING

**P1.1**

5/6/2024 11:41:18 AM

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WORK IN THIS AREA ONLY IF ALTERNATE #1 IS ACCEPTED

**FIRST FLOOR PLAN - DEMOLITION - SANITARY**  
1/4" = 1'-0"

**GENERAL NOTES**

A. CONTRACTOR SHALL VERIFY AND COORDINATE ALL EXISTING FIELD CONDITIONS PRIOR TO BEGINNING ANY DEMOLITION WORK. PROTECT ANY AND ALL EQUIPMENT, PIPING, AND ACCESSORIES NOT BEING DEMOLISHED DURING DEMOLITION. PATCH AND REPAIR ANY DAMAGE TO CONDITIONS EQUAL TO OR BETTER THAN THE CONDITIONS PRIOR TO DEMOLITION.

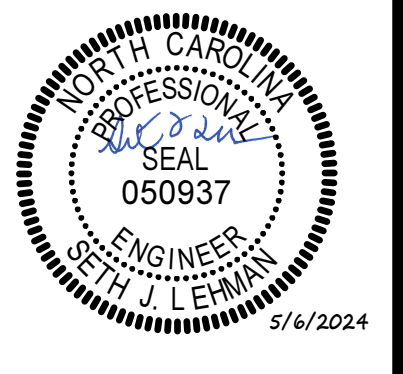
**KEYNOTES**

APPLIES TO DRAWINGS P1.2  
REPRESENTED BY [Symbol]

1. REMOVE EXISTING PLUMBING FIXTURES AND ASSOCIATED PIPINGS, FITTINGS, AND ACCESSORIES COMPLETE WHERE APPLICABLE AND PREPARE FOR NEW PLUMBING FIXTURE UTILIZING EXISTING PLUMBING CONNECTIONS. SANITARY PIPES BELOW THE FLOOR THAT ARE NOT BEING RE-USED AS PART OF THE RENOVATION SHALL BE CAPPED WITH A FLOOR CLEANOUT. REMOVE ALL DOMESTIC WATER, ACID WASTE, SANITARY, VENT, GAS, AIR, AND VACUUM BACK TO WALL OR FLOOR. VALVE AND CAP OR PREPARE FOR NEW CONNECTIONS AS NEEDED.

**MOSELEYARCHITECTS**

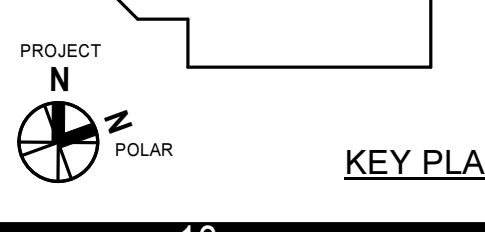
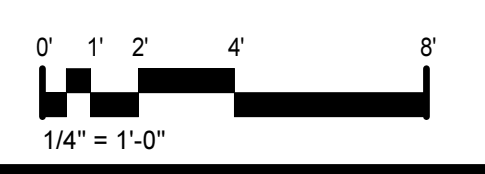
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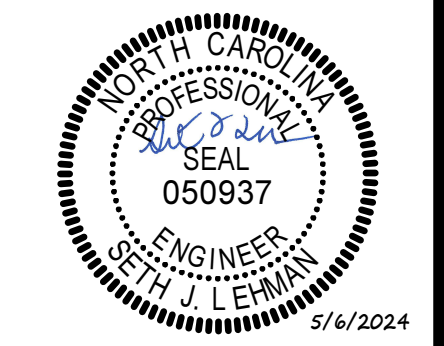
PROJECT NO:	632328
DATE:	MAY 5, 2024
REVISIONS	
DATE	DESCRIPTION



KEY PLAN

DEMOLITION PLAN - PLUMBING

# P1.2



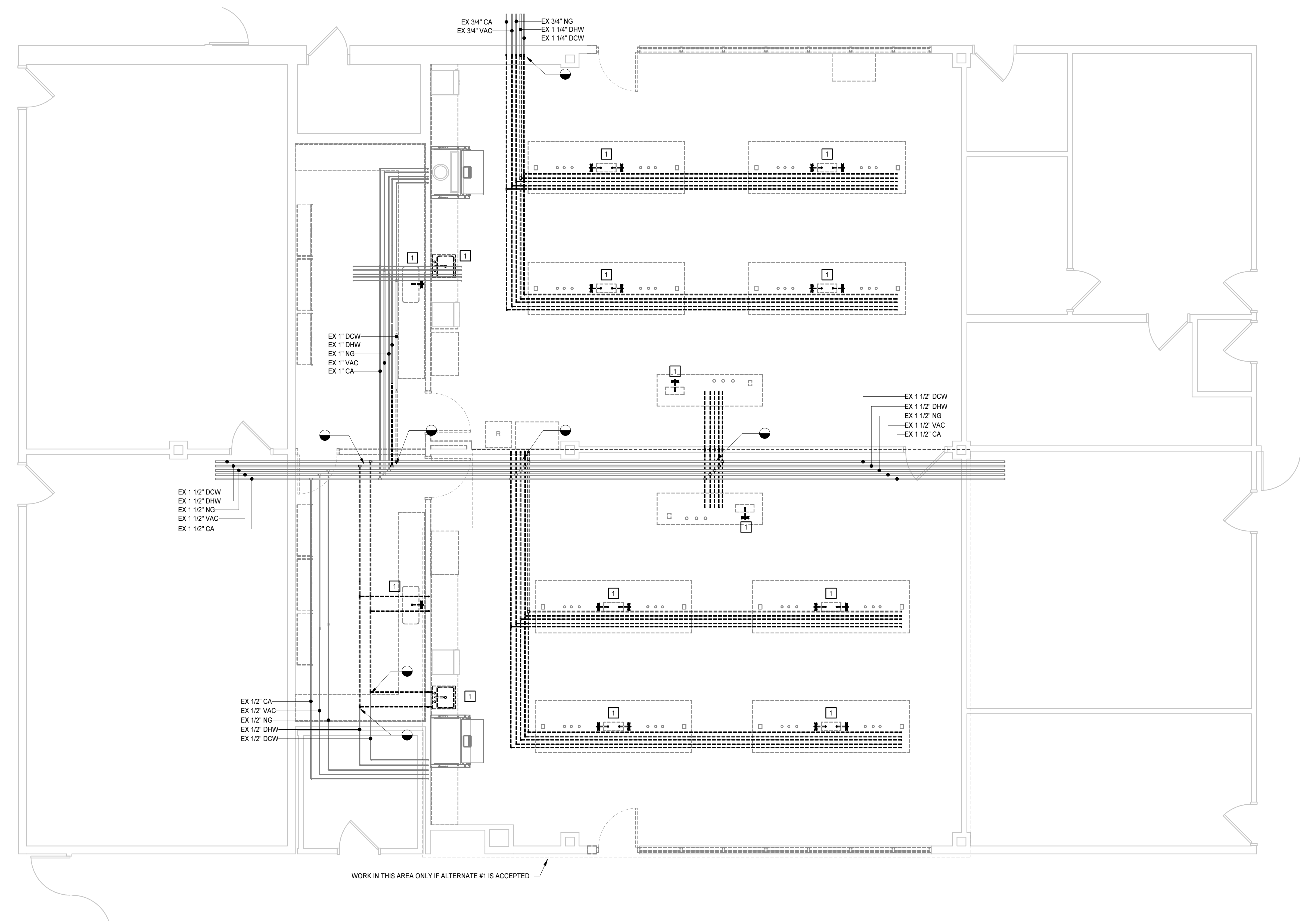
**GENERAL NOTES**

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**KEYNOTES**

APPLIES TO DRAWINGS P1.3  
 REPRESENTED BY [Symbol]

1. REMOVE EXISTING PLUMBING FIXTURES AND ASSOCIATED PIPINGS, FITTINGS, AND ACCESSORIES COMPLETE WHERE APPLICABLE AND PREPARE FOR NEW PLUMBING FIXTURE UTILIZING EXISTING PLUMBING CONNECTIONS. SANITARY PIPES BELOW THE FLOOR THAT ARE NOT BEING RE-USED AS PART OF THE RENOVATION SHALL BE CAPPED WITH A FLOOR CLEANOUT. REMOVE ALL DOMESTIC WATER, ACID WASTE, SANITARY, VENT, GAS, AIR, AND VACUUM BACK TO WALL OR FLOOR. VALVE AND CAP OR PREPARE FOR NEW CONNECTIONS AS NEEDED.

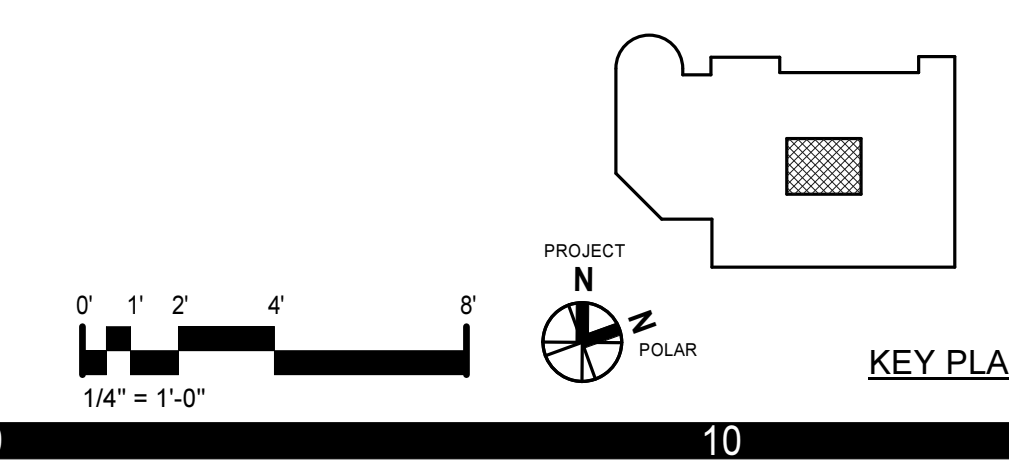


**FIRST FLOOR PLAN - DEMOLITION - DOMESTIC**  
 1/4" = 1'-0"

**JENKINS LAB RENOVATION**

SCO ID# 23-27244-02A  
 ELIZABETH CITY STATE UNIVERSITY  
 20 SCIENCE DRIVE, ELIZABETH CITY, NC 27909

PROJECT NO:	832328
DATE:	MAY 5, 2024
REVISIONS	
DATE	DESCRIPTION



DEMOLITION PLAN - PLUMBING

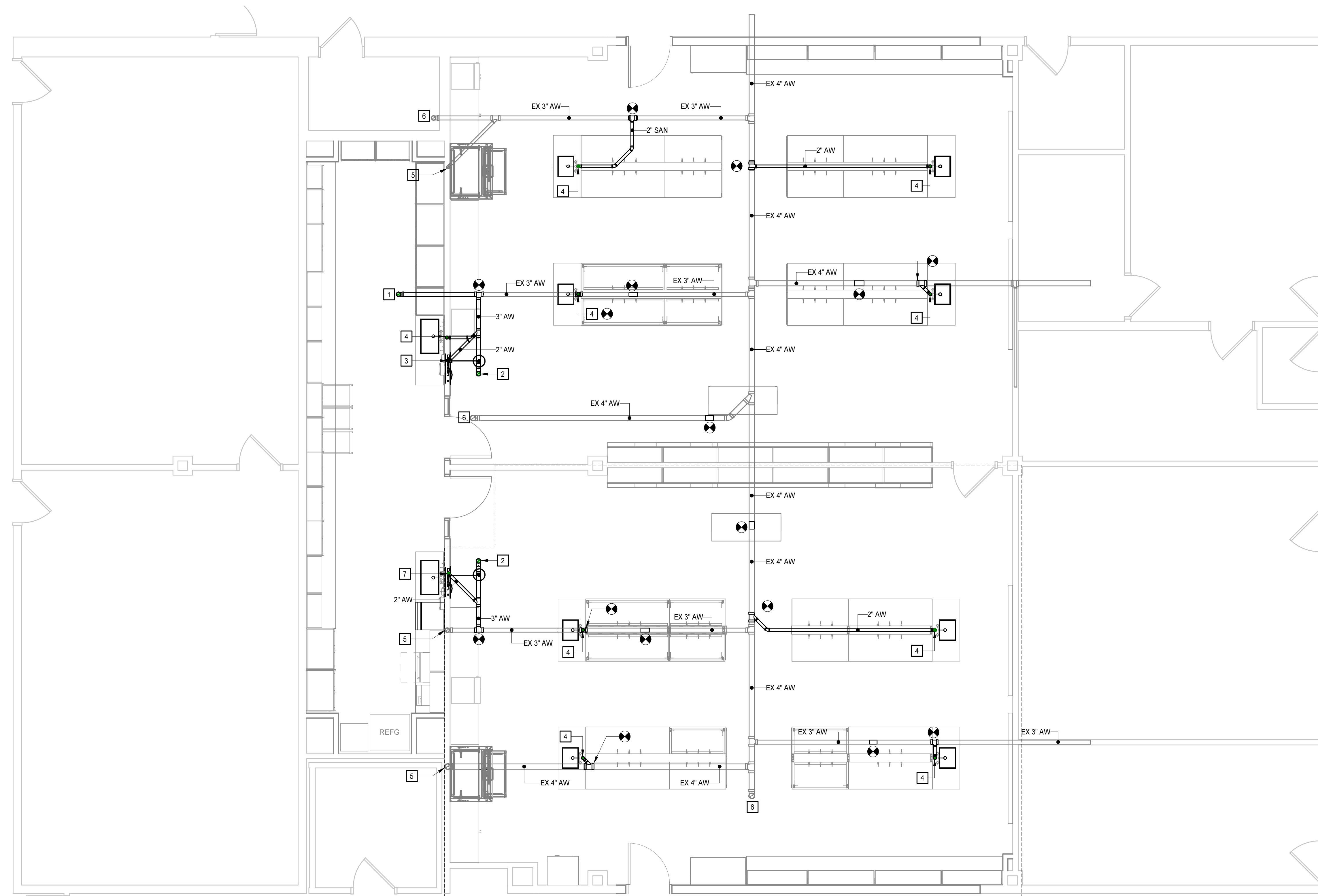
**GENERAL NOTES**

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**KEYNOTES**

APPLIES TO DRAWINGS P2.1  
 REPRESENTED BY [ ]

1. ACID WASTE UP TO FLOOR CLEANOUT.
2. 3"AW PTRAP-UP TO FLOOR DRAIN.
3. 2"AW-UP TO EMERGENCY EYEWASHSHOWER.
4. 2"AW-UP TO SINK.
5. EXISTING ACID WASTE UP.
6. EXISTING ACID WASTE UP TO EXISTING FLOOR CLEANOUT.
7. 2"AW-UP.



WORK IN THIS AREA ONLY IF ALTERNATE #1 IS ACCEPTED

**FOUNDATION PLAN - PLUMBING**

1/4" = 1'-0"

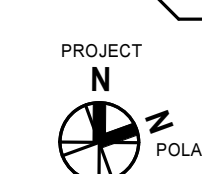
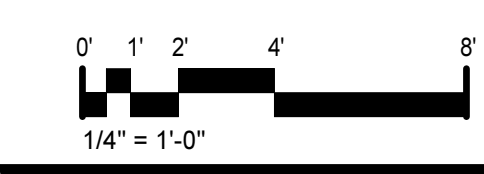
**JENKINS LAB RENOVATION**

SCO ID# 23-27244-02A  
 ELIZABETH CITY STATE UNIVERSITY  
 20 SCIENCE DRIVE, ELIZABETH CITY, NC 27909

PROJECT NO: 832328  
 DATE: MAY 5, 2024

DATE	REVISIONS	DESCRIPTION

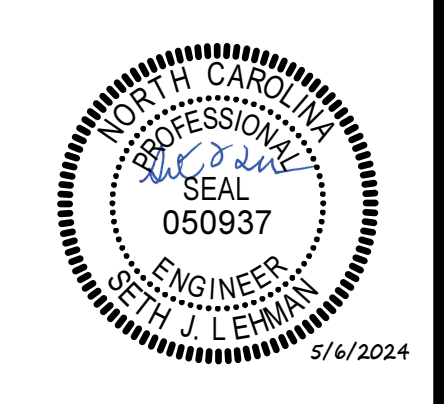
**FOUNDATION FLOOR  
 PLAN - PLUMBING**



KEY PLAN

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1 2 3 4 5 6 7 8 9 10



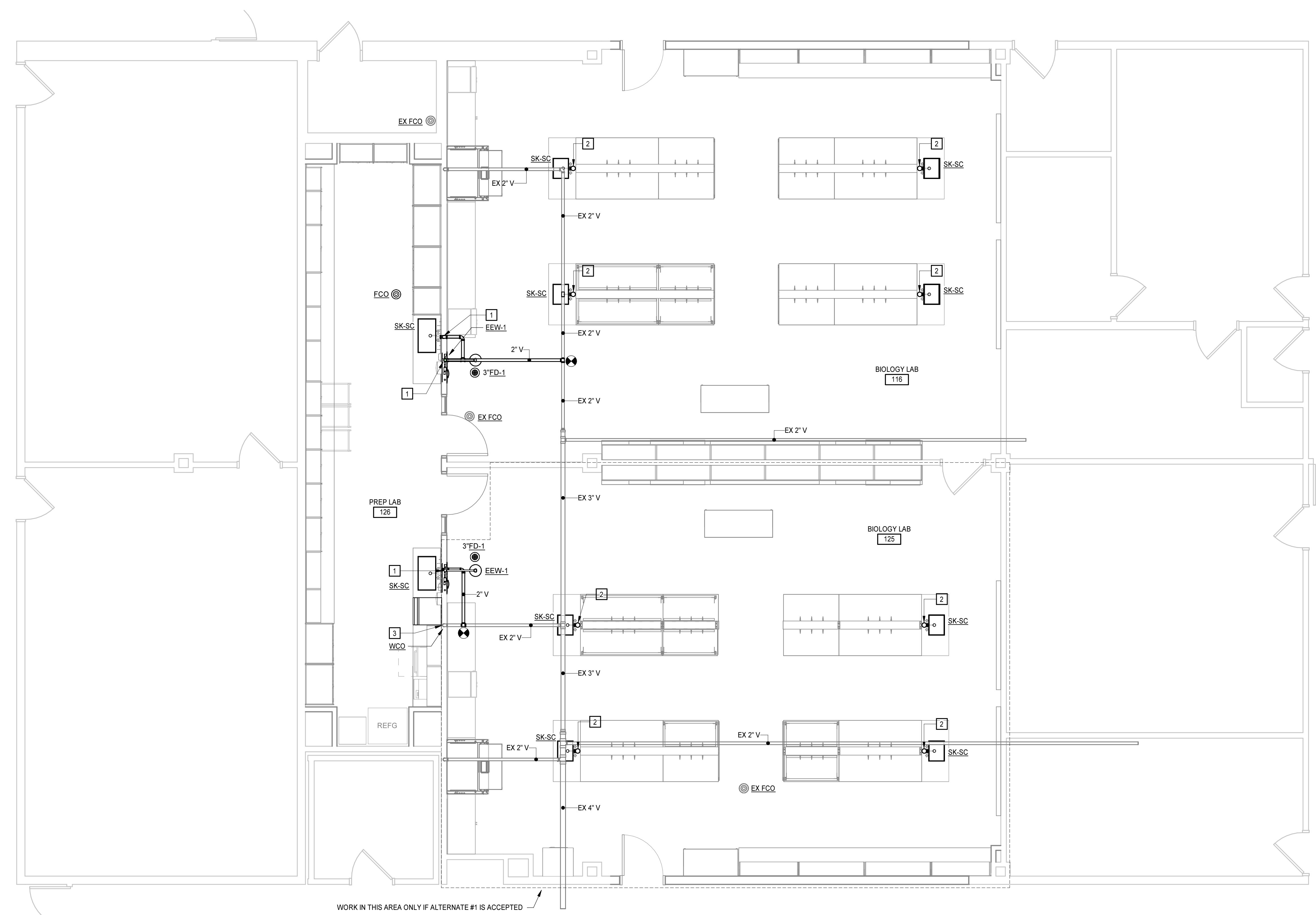
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**KEYNOTES**

APPLIES TO DRAWINGS P2.2  
 REPRESENTED BY [1]

- 2"V-DN TO 2"AW-DN.
- 2" AIR ADMITTANCE VALVE-DN TO 2"AW-DN. ACCESS SHALL BE PROVIDED TO ALL AIR ADMITTANCE VALVES. SUCH VALVES SHALL BE INSTALLED IN A LOCATION THAT ALLOWS AIR TO ENTER THE VALVE IN ACCORDANCE WITH 2018 NC PLUMBING CODE 918.5. PROVIDE ASSE-1049 CERTIFIED AIR ADMITTANCE VALVE.
- REMOVE EXISTING PLUMBING CONNECTIONS BACK TO WALL AND CAP WITH WALL CLEANOUT.



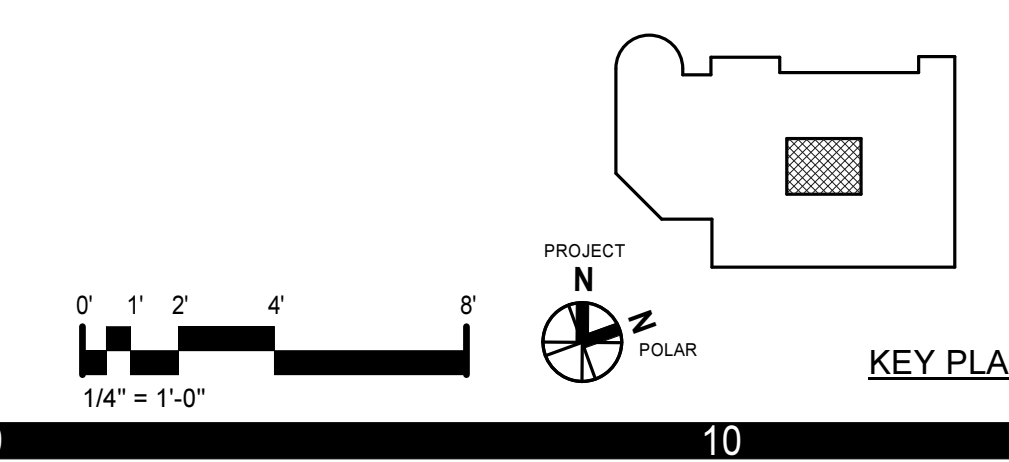
WORK IN THIS AREA ONLY IF ALTERNATE #1 IS ACCEPTED

**FIRST FLOOR PLAN - SANITARY**  
 1/4" = 1'-0"

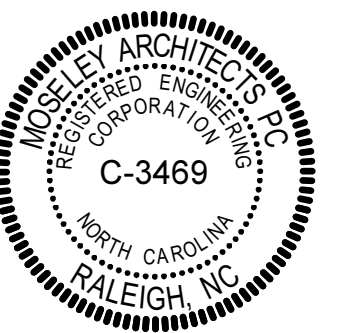
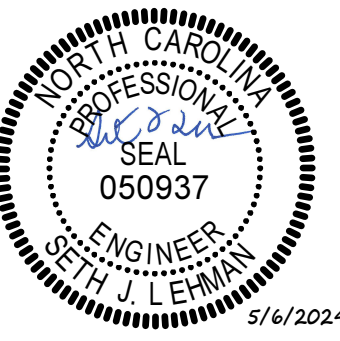
**JENKINS LAB RENOVATION**

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 ELIZABETH CITY STATE UNIVERSITY  
 20 SCIENCE DRIVE, ELIZABETH CITY, NC 27909

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REVISIONS	
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FLOOR PLAN -  
 SANITARY



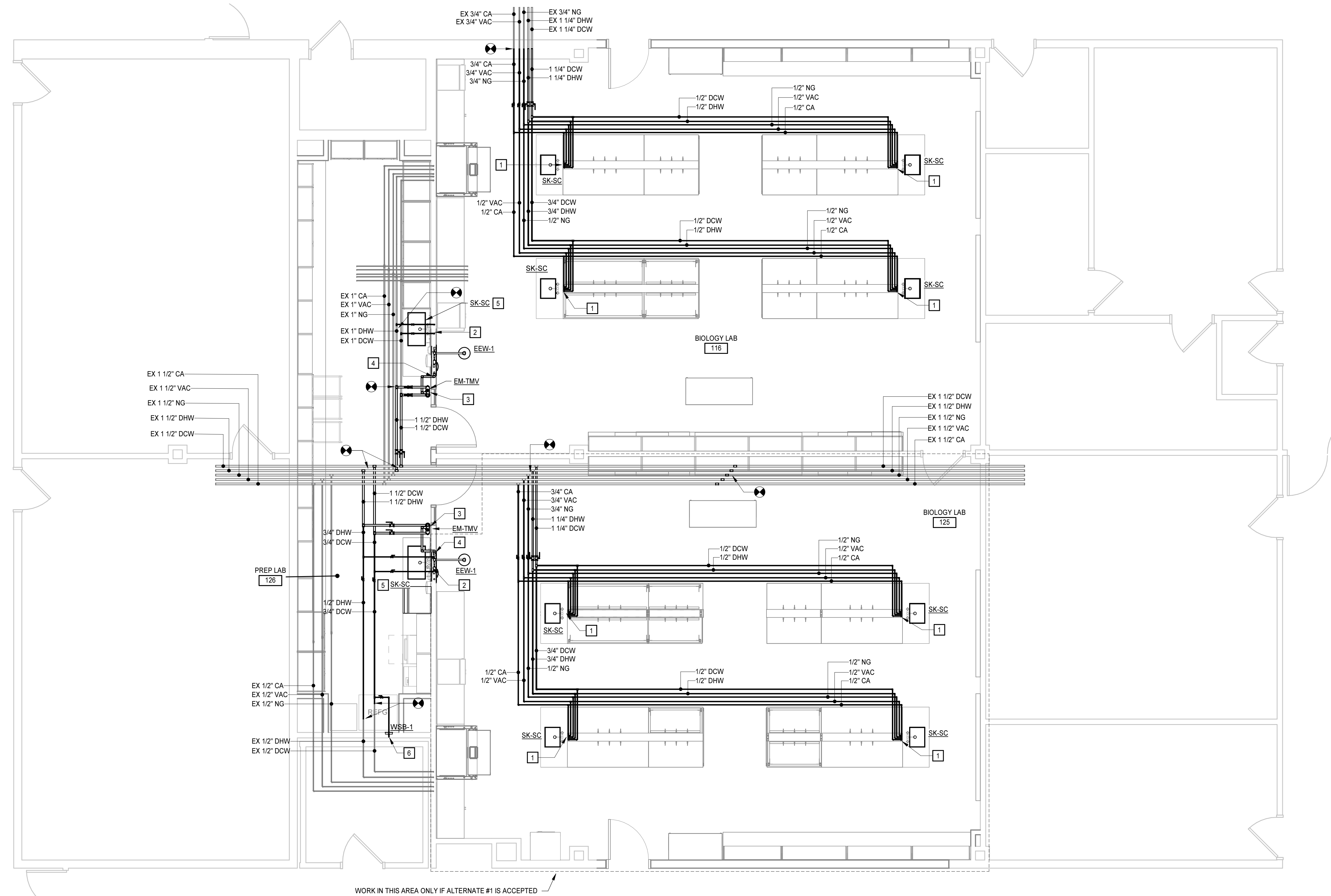
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**KEYNOTES**

APPLIES TO DRAWINGS P2.3  
 REPRESENTED BY [1]

- 1/2" DCW, 1/2" DHW, 1/2" CA, 1/2" VAC, & 1/2" NG-DN IN SUPPLY POST TO SCIENCE LAB STATIONS. EMERGENCY GAS SHUT-OFF DEVICE IN ACCESSIBLE LOCATION AT THE EXIT SHALL BE PROVIDED IN ADDITION TO THE MANUAL POINT-OF-USE VALVE IN EACH EDUCATIONAL AND INSTRUCTIONAL LABORATORY SPACE THAT HAS A PIPED GAS DISPENSING VALVE IN ACCORDANCE WITH 2018 NC FUEL GAS CODE 409.6. EMERGENCY DEVICE SHALL BE IDENTIFIED BY APPROVE SIGNAGE STATING "GAS SHUTOFF".
- 1/2" DCW & 1/2" DHW-DN TO SINK
- 1 1/2" DCW & 1 1/2" DHW-DN TO EM-TMV
- 1 1/2" TEPID WATER-DN TO EMERGENCY EYE WASH/SHOWER STATION
- CONNECT PREP LAB SINK TO EXISTING DEIONIZED WATER SYSTEM BELOW SINK OR TO EXISTING COUNTER MOUNTED DEIONIZED WATER SYSTEM
- 1/2" DCW-DN TO ICE MAKER



WORK IN THIS AREA ONLY IF ALTERNATE #1 IS ACCEPTED

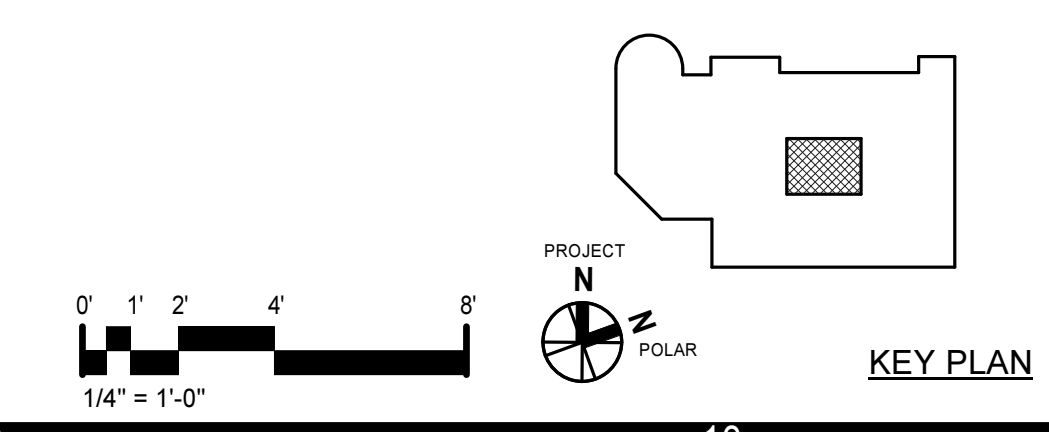
**FIRST FLOOR PLAN - DOMESTIC**

1/4" = 1'-0"

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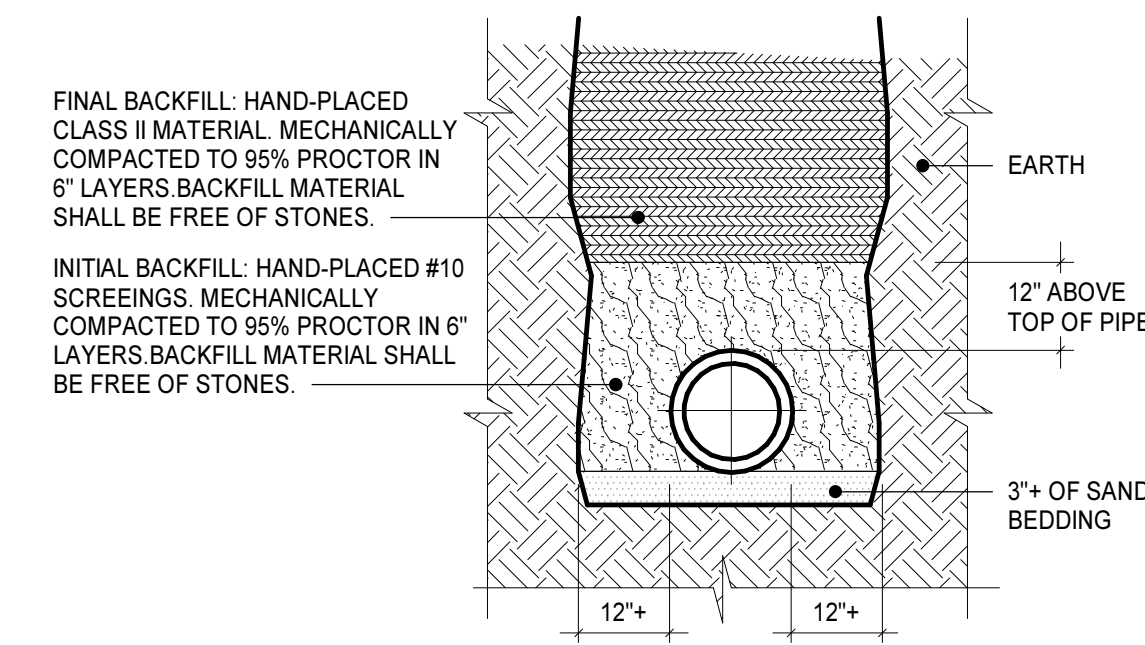


FLOOR PLAN - DOMESTIC

**P2.3**

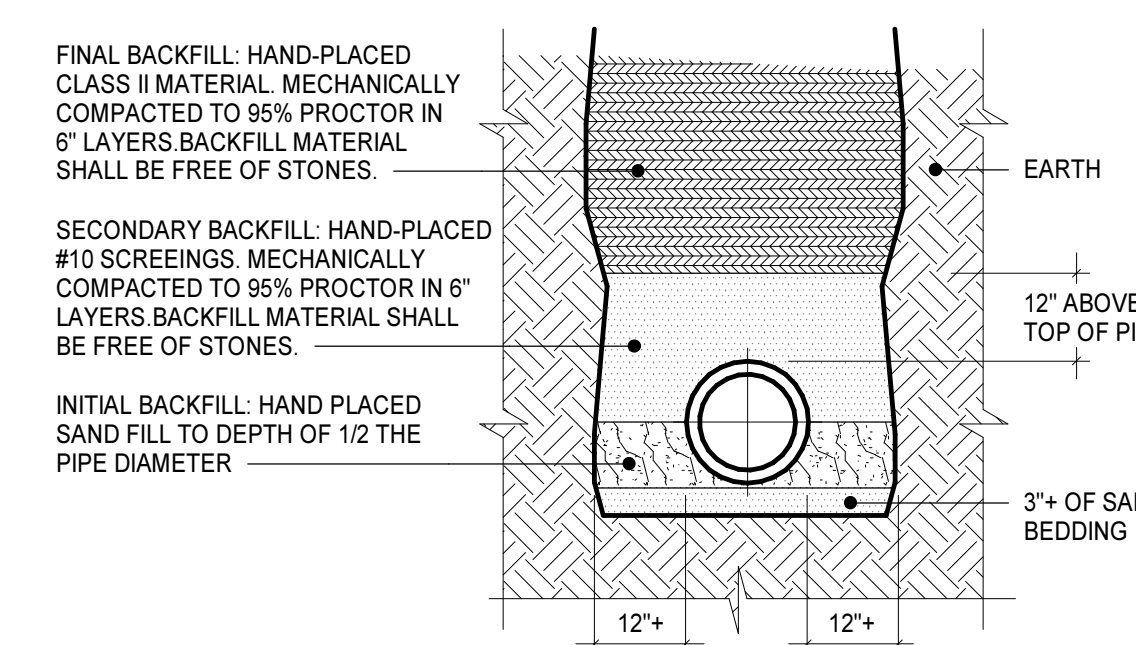


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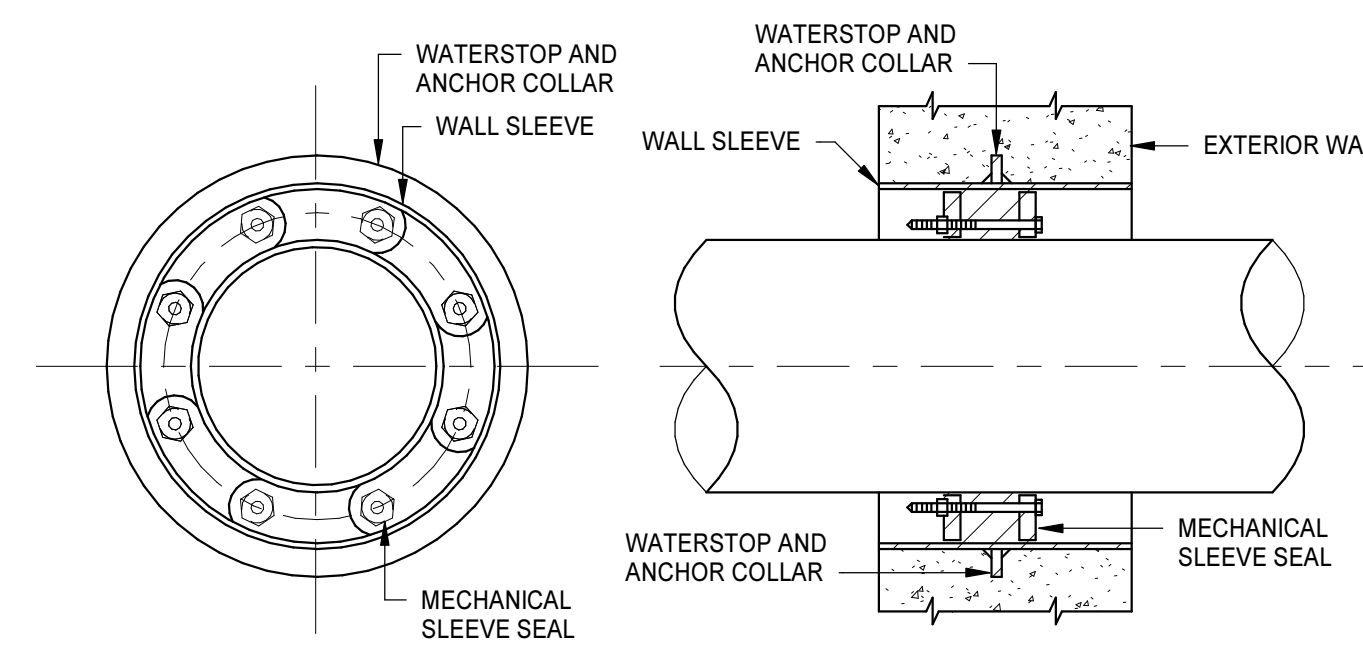
**CAST IRON PIPE BEDDING DETAIL**

NO SCALE



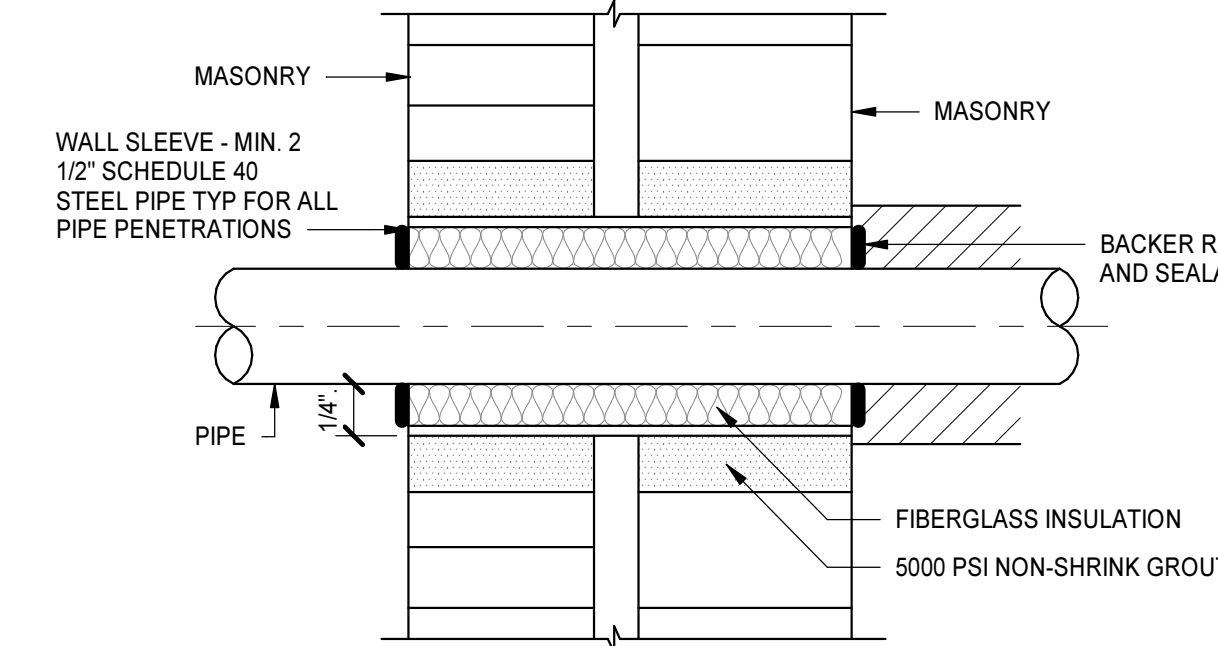
**PVC PIPE BEDDING DETAIL**

NO SCALE



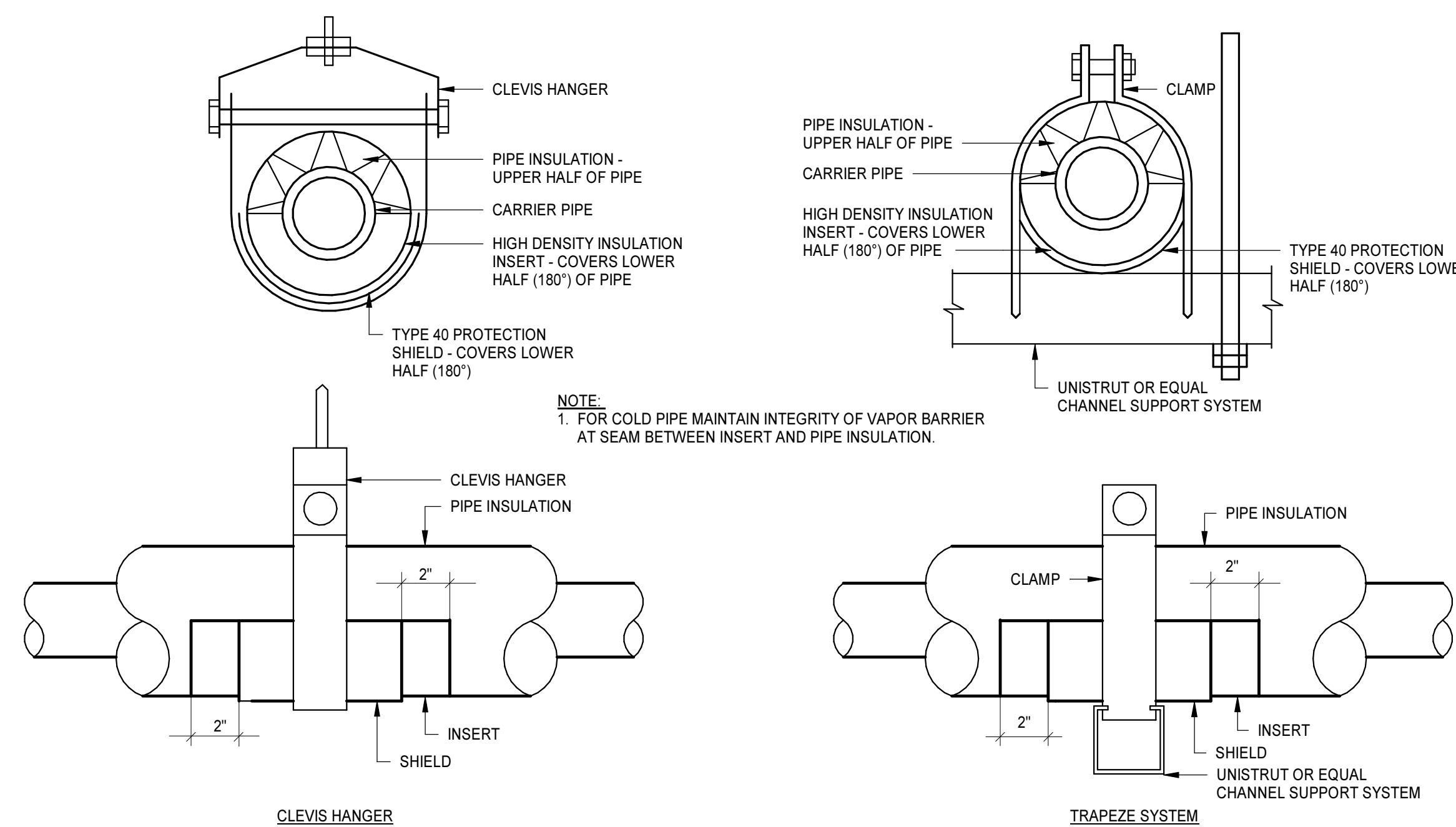
**MECHANICAL SLEEVE SEAL DETAIL**

NO SCALE



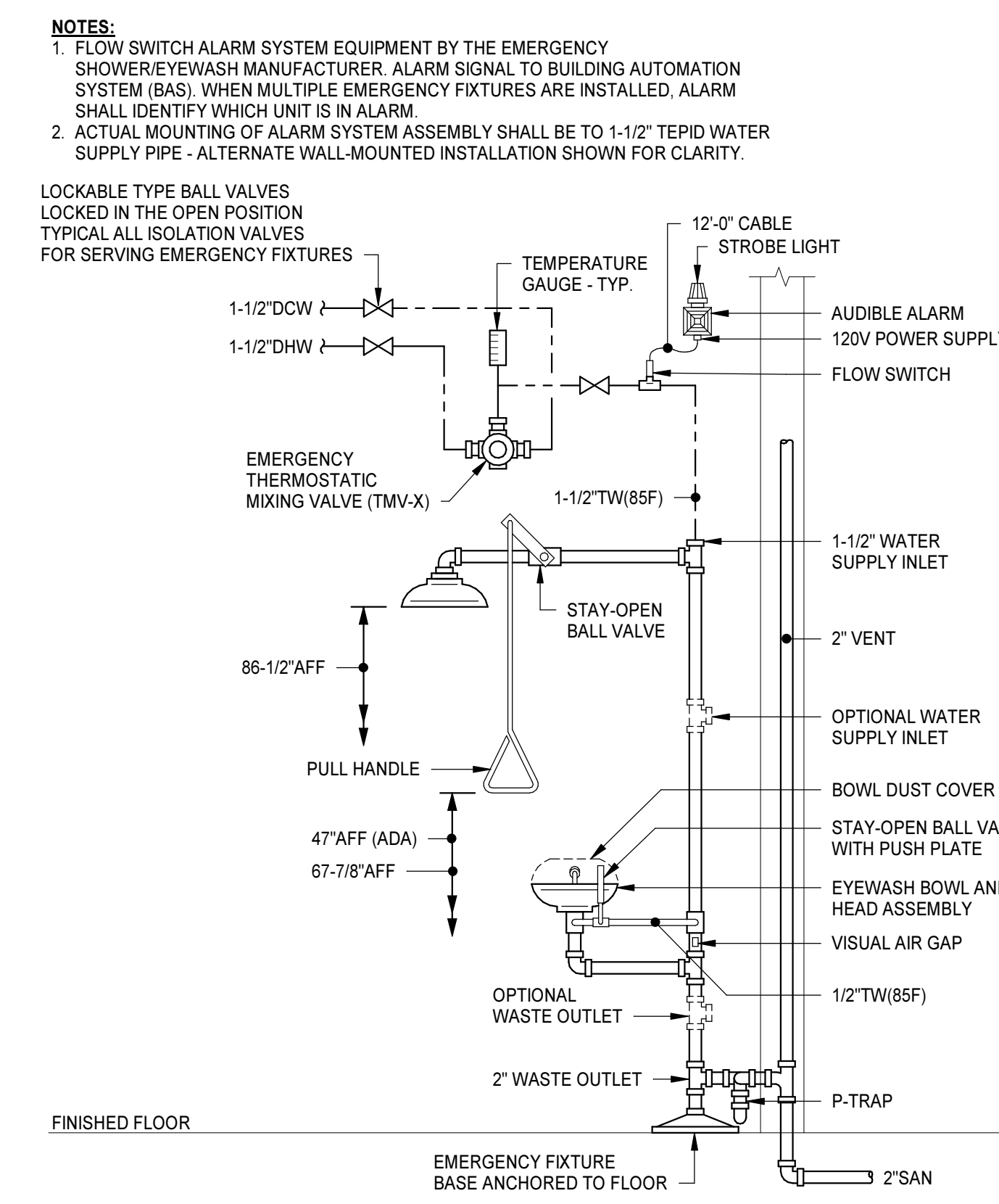
**PIPE SLEEVE DETAIL**

NO SCALE



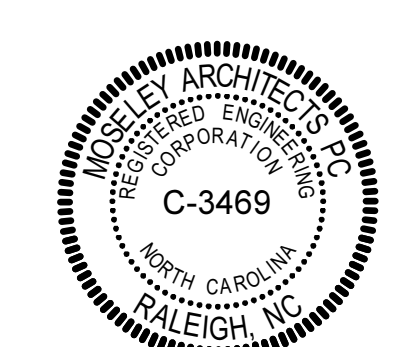
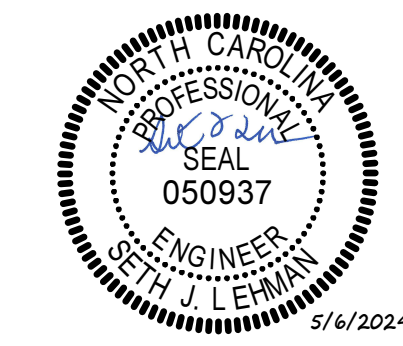
**PIPE SUPPORT AND THERMAL SHIELD DETAILS**

NO SCALE

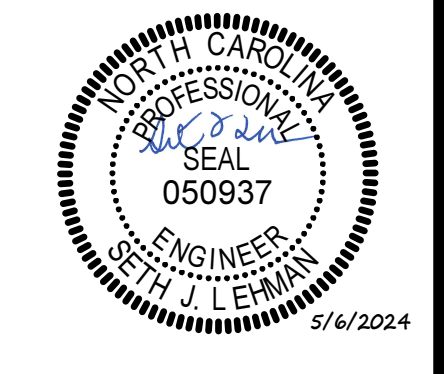


**EMERGENCY COMBINATION EYEWASH/SHOWER DETAIL**

NO SCALE



PROJECT NO:	832328
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### GRAPHIC SYMBOL LEGEND

### DUCTWORK LEGEND

### PIPING LEGEND

### GENERAL NOTES

A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

B. DRAWINGS ARE DIAGRAMMATIC AND INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. DO NOT SCALE DRAWINGS. LOCATIONS OF ALL ITEMS INDICATED ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE. COORDINATE CONTRACT DOCUMENTS PROJECT REQUIREMENTS, WORK OF OTHERS, AND EQUIPMENT AND MATERIALS PURCHASED WITH FIELD DIMENSIONS. MANUFACTURER'S REQUIREMENTS FOR INSTALLATION, OPERATION, AND MAINTENANCE. CONTRACTOR'S INTENDED MEANS AND METHODS OF INSTALLATION, AND CONTRACTOR'S FABRICATED ITEMS TO ENSURE A PROPER FIT AND INSTALLATION.

C. MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS WHERE HEADROOM AND SPACE CONDITIONS APPEAR INADEQUATE. NOTIFY THE ARCHITECTS PRIOR TO PROCEEDING WITH INSTALLATION. MAINTAIN A MINIMUM OF 7'-0" CLEARANCE ABOVE FINISHED FLOOR TO UNDERSIDE OF PIPES, DUCTS, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.

D. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION. MAKE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK.

E. INSTALL ALL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.

F. COORDINATE LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS WITH ALL OTHER TRADES. COORDINATE ALL PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURE WITH GENERAL CONSTRUCTION WORK.

G. INSTALL PIPING, DUCTWORK, AND CONDUIT CONCEALED IN AREAS HAVING CEILINGS AND/OR FURRED SPACES UNLESS OTHERWISE INDICATED.

H. ALL EQUIPMENT, VALVES, DAMPERS, DAMPER AND VALVE OPERATORS SHALL BE PROVIDED WITH ADEQUATE ACCESS FOR SERVICING, MAINTENANCE, AND REPLACEMENT.

I. DUCT DIMENSIONS MAY BE MODIFIED ONLY WITH PRIOR APPROVAL FROM ARCHITECT. DUCT DIMENSIONS ARE IN INCHES AND INSIDE CLEAR.

J. FOR LOCATION OF REGISTERS, GRILLES, AND DIFFUSERS WITHIN CEILING GRID, REFER TO ARCHITECTURAL REFLECTED CEILING PLANS.

K. ELEVATION INDICATED FOR RECTANGULAR DUCT, GRILLE AND LOUVER OPENINGS IS TO THE TOP OF ROUGH OPENING UNLESS OTHERWISE INDICATED. ELEVATION INDICATED FOR ROUND DUCTWORK AND PIPING IS TO CENTERLINE.

L. REFER TO STRUCTURAL DRAWINGS FOR DETAILS AND MAXIMUM SPACING REQUIREMENTS REGARDING HANGER ATTACHMENTS TO STEEL BAR JOISTS.

### EQUIPMENT ABBREVIATION

AHU	AIR-HANDLING UNIT
EF	EXHAUST FAN
F	FAN
HP	HEAT PUMP
VAV	VARIABLE AIR VOLUME TERMINAL UNIT

### ABBREVIATIONS

#	NUMBER (OF PEOPLE)
A	AMPERE(S)
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
APD	AIR PRESSURE DROP
BHP	BRAKE HORSEPOWER
BTUH	BRITISH THERMAL UNITS PER HOUR
CFM	CUBIC FEET PER MINUTE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CLG	COOLING
COM	COMMON
D	DRAIN
DB	DRY BULB TEMPERATURE
dBa	A-WEIGHTED DECIBELS
DCW	DOMESTIC COLD WATER
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
EQ	EQUAL
ESP	EXTERNAL STATIC PRESSURE
EWI	ENTERING WATER TEMPERATURE
EX	EXISTING
F	DEGREES FAHRENHEIT
FC	FAIL CLOSED
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FO	FAIL OPEN
FSM	FEET PER MINUTE
FT	FOOT, FEET
GA	GAUGE
GAL	GALLON(S)
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
HPWR	HEAT PUMP WATER RETURN
HPWS	HEAT PUMP WATER SUPPLY
HTG	HEATING
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HX	HEAT EXCHANGER
HZ	HERTZ
IN	INCH
IPLV	INTEGRATED PART-LOAD VALUE
KV	KILOVOLT(S)
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	ONE THOUSAND BTUH
MCA	MINIMUM CIRCUIT AMPACITY
MFR	MANUFACTURER
MIN	MINIMUM
MOC	MAXIMUM OVERCURRENT PROTECTION
MOP	MOTOR OPERATED DAMPER
NC	NORMALLY CLOSED (FOR PLANS, DETAILS)
NC	NOISE CRITERIA (FOR SCHEDULES)
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
OA	OUTSIDE AIR
OC	ON CENTER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
PH	PHASE
PSIG	POUNDS PER SQUARE INCH GAUGE
RA	RETURN AIR
RD	REFRIGERANT DISCHARGE
RH	RELATIVE HUMIDITY
RL	REFRIGERANT LIQUID
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION
SA	SUPPLY AIR
SEER	SEASONAL ENERGY EFFICIENCY RATIO
TD	TRANSFER DUCT
TYP	TYPICAL
UNO	UNLESS NOTED (INDICATED) OTHERWISE
V	VOLTAGE, VOLTS
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
VF	VERIFY IN FIELD
W	WATT(S)
W	WITH
W/O	WITHOUT
WB	WET BULB TEMPERATURE
WC	WATER COLUMN
WPD	WATER PRESSURE DROP
WMM	WELDED WIRE MESH

### LIFE SAFETY SYMBOL LEGEND

DESIGNATOR MATRIX				
	EXISTING WALL	EXISTING BARRELS	EXISTING PARTITION	EXISTING BEARING OR NON-BEARING WALL
2 HR FIRE	■	■	■	■
SMOKE	■	■	■	■

NOTES:  
 1. REFER TO THE CONTRACT DOCUMENTS, INCLUDING THE LIFE SAFETY SYMBOLS LEGEND AND A0, A1 AND, A2 SERIES OF DRAWINGS, FOR ACTUAL WALL/PARTITION TYPES AND CONSTRUCTION REQUIREMENTS.

### 2 BRANCH CONNECTION TO DIFFUSER DETAILS

1" = 1'-0"

### 5 FLEXIBLE DUCT TO DIFFUSER CONNECTION DETAIL

1/8" = 1'-0"

### 1 DUCT INSULATION JOINT DETAIL

1 1/2" = 1'-0"

### 3 EXHAUST AIR BOOT DETAIL

1/8" = 1'-0"

VENTILATION SCHEDULE																
ROOM	NUMBER	NAME	OCCUPANCY TYPE	AREA (SF)	OCCUPANT DENSITY (#/1000 SF)	CODE OCCUPANCY	NUMBER OF PEOPLE	OA AREA RATE (CFM/SF)	OA PEOPLE RATE (CFM/#)	UNCORRECTED OA (CFM)	REQUIRED VENTILATION AIR (CFM)	PROVIDED OUTSIDE AIR (CFM)	ACTUAL SUPPLY AIR (CFM)	EA AREA RATE (CFM/SF)	EA REQUIRED (CFM)	PROVIDED EXHAUST (CFM)
	116	BIOLOGY LAB	EDUCATION: SCIENCE LABORATORIES	1191	25	29.8	31	0.00	5.0	155	0.8	194	282	1.00	1191	1380
	125	BIOLOGY LAB	EDUCATION: SCIENCE LABORATORIES	1187	25	29.7	31	0.00	5.0	155	0.8	194	282	1.00	1187	1380
	126	PREP LAB	EDUCATION: SCIENCE LABORATORIES	421	25	10.5	11	0.00	5.0	55	0.8	69	75	1.00	421	440

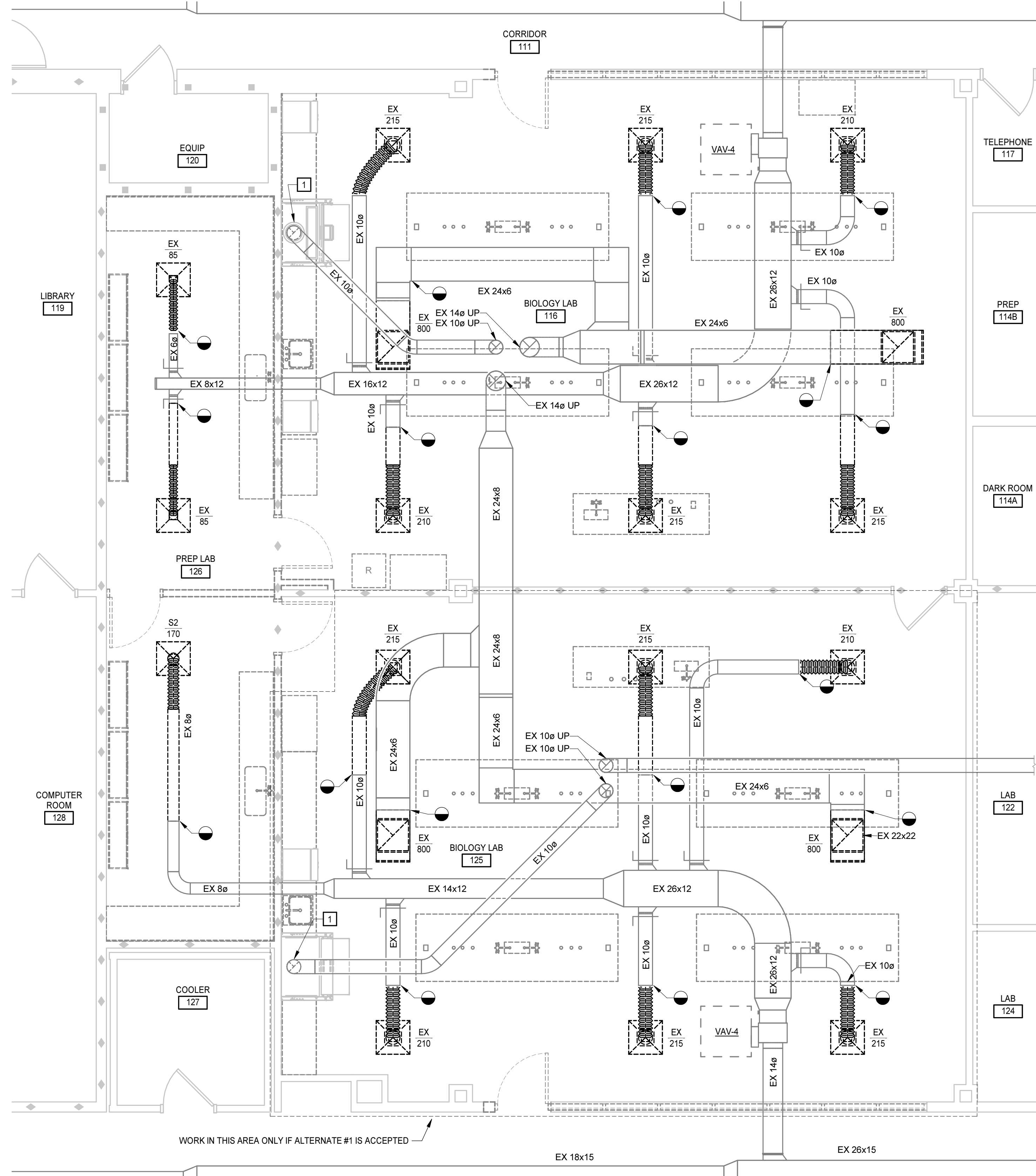
GENERAL NOTES:  
 A. VENTILATION RATES BASED ON SECTION 809.2 OF THE 2018 NORTH CAROLINA EXISTING BUILDING CODE. EACH ROOM IS PROVIDED WITH 5 CFM/PERSON OF OUTDOOR AIR AND NOT LESS THAN 15 CFM/PERSON OF VENTILATION AIR. LOCAL EXHAUST IS PROVIDED IN ACCORDANCE WITH SECTION 809.3.

GRILLE, REGISTER, & DIFFUSER SCHEDULE							
TAG	MANUFACTURER	MODEL NUMBER	MOUNTING STYLE	NECK SIZE	FACE SIZE	MAX NC LEVEL	NOTES
S1	PRICE	ASGDA	LAY-IN	8ø	24x24	18	-
S2	PRICE	ASGDA	LAY-IN	8ø	24x24	18	-
S3	PRICE	ASGDA	LAY-IN	10ø	24x24	18	-
E1	PRICE	635	LAY-IN	22x22	24x24	18	-

KEYNOTES	
APPLIES TO THIS DRAWING REPRESENTED BY [n]	
1.	EXISTING FUME HOOD, DUCT, AND CONTROLS TO REMAIN. PROTECT FUME HOOD AND ASSOCIATED DUCTWORK, WIRING, AND PIPING DURING RENOVATION.
2.	RE-BALANCE EXISTING FAN EF-7 ON ROOF TO SUM OF EXHAUST GRILLES INDICATED.
3.	RE-BALANCE EXISTING FAN EF-8 ON ROOF TO SUM OF EXHAUST GRILLES INDICATED.

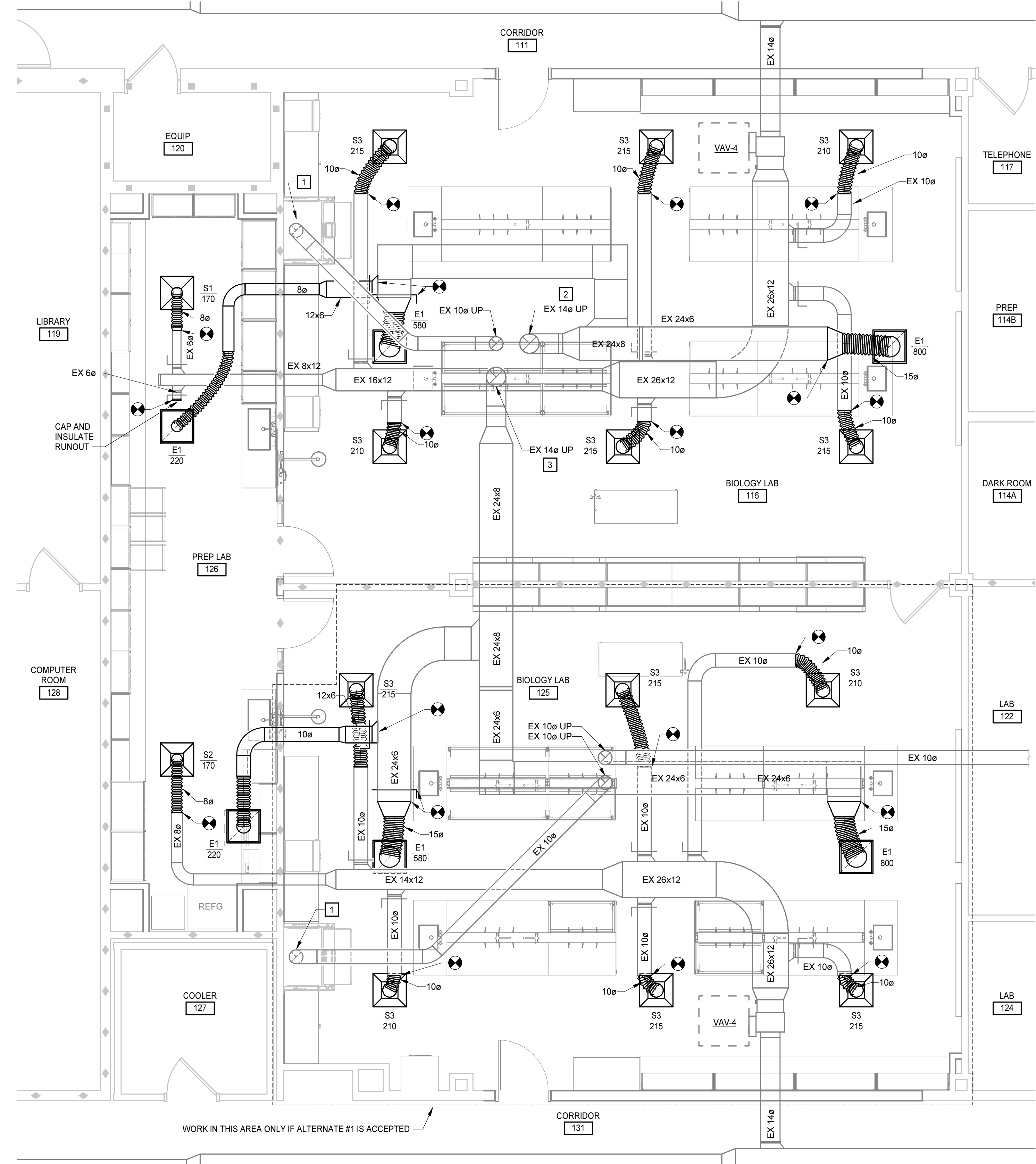
LIFE SAFETY SYMBOL LEGEND				
DESIGNATOR MATRIX				
	EXISTING WALL	EXISTING BARRIER	EXISTING PARTITION	RATED BEARING OR NON-BEARING WALL
2 HR FIRE	■	■	■	■
SMOKE	■	■	■	■

NOTES:  
 1. REFER TO THE CONTRACT DOCUMENTS, INCLUDING THE LIFE SAFETY SYMBOLS LEGEND AND A0, A1 AND, A2 SERIES OF DRAWINGS, FOR ACTUAL WALL/PARTITION TYPES AND CONSTRUCTION REQUIREMENTS.



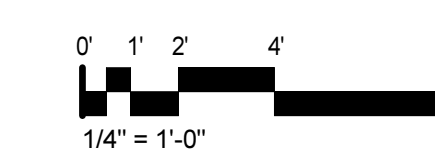
PARTIAL FIRST FLOOR PLAN - DEMOLITION

1/4" = 1'-0"



PARTIAL FIRST FLOOR PLAN - DUCTWORK

1/4" = 1'-0"



KEY PLAN

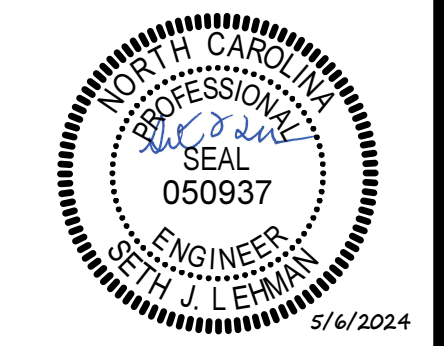
**JENKINS LAB RENOVATION**

SCO ID# 23-27244-02A  
 ELIZABETH CITY STATE UNIVERSITY  
 20 SCIENCE DRIVE, ELIZABETH CITY, NC 27909

PROJECT NO:	832328
DATE:	MAY 6, 2024
REVISIONS	
DATE	DESCRIPTION

FLOOR PLAN & SCHEDULES

M2.1



**MOSELEY ARCHITECTS**

911 N. WEST STREET, SUITE 205 RALEIGH, NORTH CAROLINA, 27603  
 PHONE (919) 840-0081  
 MOSELEYARCHITECTS.COM

5/6/2024 11:13:19 AM

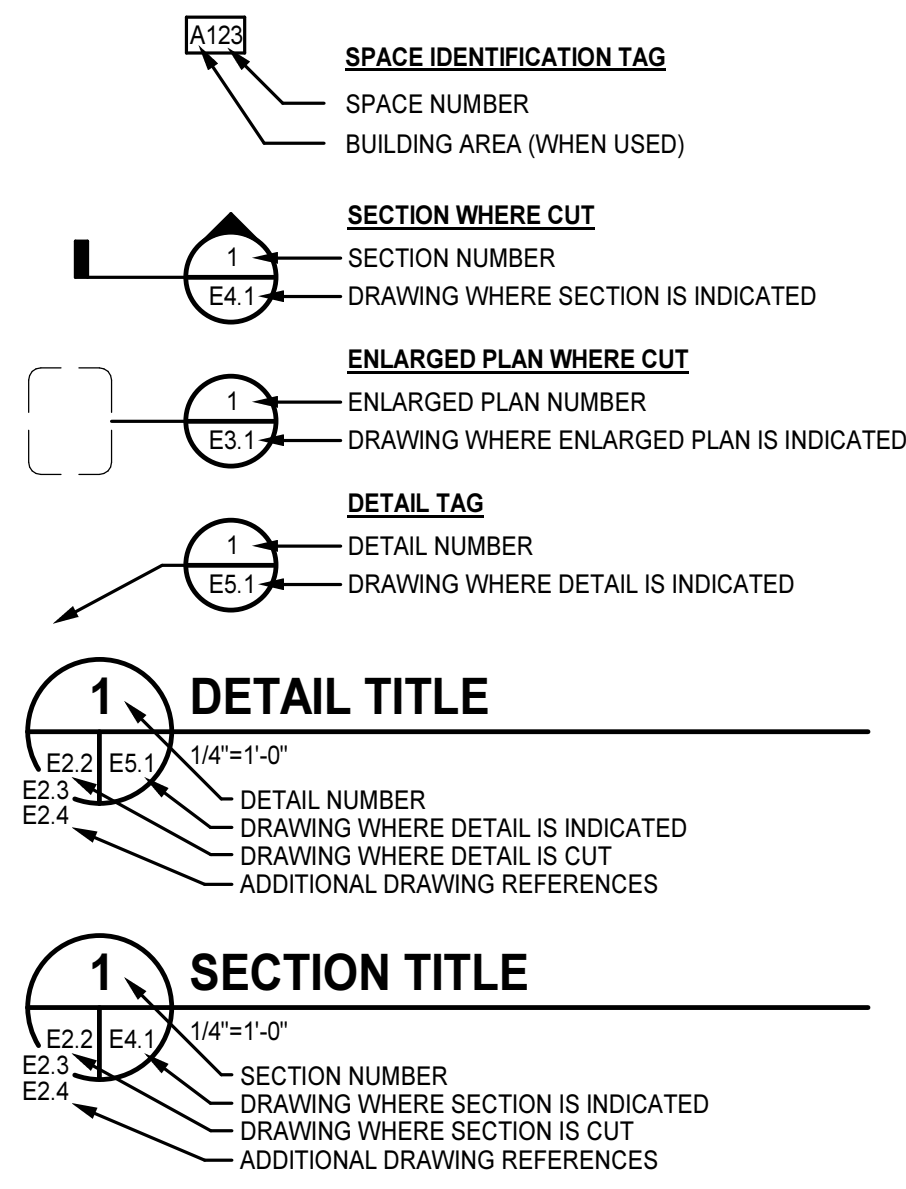
DEMOLITION GENERAL NOTES

- A. PROVIDE ALL ELECTRICAL DEMOLITION WORK REQUIRED TO INSTALL THE WORK INDICATED. REMOVE, REROUTE, AND RECONNECT ALL BRANCH CIRCUITS THAT WILL REMAIN IN USE BUT INTERFERES WITH THE WORK.
B. REMOVE ALL EXISTING CONDUITS THAT WILL NOT BE REUSED AND WHERE THEY WILL BE EXPOSED AFTER COMPLETION. ABANDON ALL OTHERS IN THE WALLS ONLY. DISCONNECT ALL WIRING INDICATED AND/OR REQUIRED TO BE REMOVED FROM ALL POWER SOURCES. REMOVE ALL WIRING FROM ABANDONED CONDUITS AND PROVIDE BLANK COVER PLATES FOR BOXES NOT UTILIZED FOR THE WORK.
C. MAINTAIN CONTINUITY OF ALL EXISTING CIRCUITS TO REMAIN OR PORTIONS THEREOF AFFECTED BY THE WORK.
D. BEFORE DEMOLITION, VERIFY WITH THE OWNER ALL EQUIPMENT TO BE SALVAGED TO OWNER AND NOT REMOVED FROM THE SITE. FOR ALL REMAINING EQUIPMENT INDICATED FOR REMOVAL (AND NOT RELOCATED), REMOVE AND DISPOSE IN A LEGAL MANNER.
E. EXERCISE CARE IN REMOVING DEMOLITION ITEMS. REPAIR OR REPLACE ALL DAMAGE CAUSED TO EXISTING CONSTRUCTION AND EQUIPMENT TO REMAIN.
F. DRAWINGS ARE BASED UPON EXISTING PLANS AND FIELD INVESTIGATION WITHOUT DEMOLITION. VISIT THE EXISTING BUILDING AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS AND EXAMINE ALL DRAWINGS TO AVOID CONFLICTS.
G. WHERE DEMOLITION OF TELECOMMUNICATIONS DEVICES OCCUR, REMOVE CABLING NOT INDICATED TO REMAIN BACK TO POINT OF ORIGIN.
H. DEMOLITION FLOOR PLANS ARE PROVIDED FOR REFERENCE ONLY TO AID IN DEFINING THE SCOPE OF DEMOLITION WORK.

DEMOLITION LEGEND

- REMOVE DEVICES, EQUIPMENT, IN ACCORDANCE WITH THE GENERAL DEMOLITION NOTES.
DEVICES ARE EXISTING TO REMAIN.
WITHIN HATCHED AREAS, DISCONNECT AND REMOVE ALL ELECTRICAL MATERIALS INCLUDING BUT NOT LIMITED TO LIGHTS, DEVICES, EQUIPMENT, SPEAKERS, FIRE ALARM, COMMUNICATIONS, AND CIRCUITRY.

GRAPHICS SYMBOLS LEGEND



LIFE SAFETY SYMBOL LEGEND

Table with columns for Designator Matrix (Existing Wall, Existing Barrier, Existing Partition, Recessed Ceiling or Non-bearing Wall) and rows for 2 HR FIRE and SMOKE. Includes notes on contract documents and drawing types.

POWER DEVICE / EQUIPMENT LEGEND

- REFER TO TYPICAL DEVICE ELEVATION DETAIL FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE TWO IN DETAIL: OVERHEAD DOOR CONTROLLER, DOORBELL PUSH BUTTON, EMERGENCY POWER OFF (E.P.O) SWITCH, HANDICAP DOOR OPERATOR SWITCH.
REFER TO TYPICAL DEVICE ELEVATION DETAIL FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE THREE IN DETAIL: NON-FUSIBLE DISCONNECT SWITCH, FUSIBLE DISCONNECT SWITCH, ENCLOSED CIRCUIT BREAKER, CHARACTERISTICS AS INDICATED, MANUAL MOTOR STARTER, OVERLOAD PROTECTION AS REQUIRED PER NAME PLATE RATINGS, WITH ON INDICATOR PILOT LIGHT.
REFER TO TYPICAL DEVICE ELEVATION DETAIL FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE FOUR IN DETAIL: DOORBELL CHIME, WALL MOUNTED.
MOUNT THE FOLLOWING DEVICES AS NOTED: FLUSH VALVE TRANSFORMER POWER CONNECTION, PROVIDE A 4"x4" RECESSED JB AND MOUNT POWER SUPPLY PROVIDED BY DIV 22. COORDINATE CONNECTION WITH DIV 22. PROVIDE A 2"x4" JB AT EACH TOILET, SINK AND WATER CLOSET AS RECOMMENDED BY THE MANUFACTURER, PROVIDE 2 #14 IN 1/2" C "DAISY CHAINED" BETWEEN UP TO EIGHT BOXES AND TERMINATING AT POWER SUPPLY. ISOLATION VALVE. REFER TO ISOLATION VALVE CONTROL DETAIL ON DRAWING E4 SERIES DRAWING. EQUIPMENT POWER CONNECTION, JUNCTION BOX, CONCEALED ABOVE CEILING, UNO, JUNCTION BOX, WALL MOUNTED, MOUNTING HEIGHT AS INDICATED ON PLANS, MOTOR POWER CONNECTION, MOTOR RATED SWITCH WITH OVERLOAD PROTECTION, LINE VOLTAGE THERMOSTAT, DIVISION 23 FURNISH, DIVISION 26 INSTALL. REFER TO DIVISION 23 DRAWINGS FOR LOCATIONS AND QUANTITY. POWER FOR DIV 23 MOTORIZED DAMPER. REFER TO DIVISION 23 DRAWINGS FOR LOCATIONS AND QUANTITY. NON-METALLIC SURFACE RACEWAY, DEVICES AS INDICATED, MOUNTING HEIGHT INDICATED ON PLANS. PANELBOARD OR SWITCHBOARD, PROVIDE 6 INCH CONCRETE HOUSEKEEPING PAD FOR ALL GROUND MOUNTED EQUIPMENT UNLESS NOTED OTHERWISE. DENOTED BY PANELBOARD/SWITCHBOARD TAG PER ONE-LINE DIAGRAM. TRANSFORMER, PROVIDE 4 INCH CONCRETE HOUSEKEEPING PAD UNLESS NOTED OTHERWISE. DENOTED BY TRANSFORMER TAG PER ONE-LINE DIAGRAM. UTILITY METER, MOUNT PER UTILITY STANDARDS, UNO. FEEDER TAG. REFER TO FEEDER SCHEDULE ON DWG E5.1. (FOR MULTI-FAMILY HOUSING PROJECTS ONLY) RESIDENTIAL UNIT METERCENTER IDENTIFICATION TAG, IDENTIFIES THE METERCENTER THAT PROVIDES POWER TO THE RESIDENTIAL UNIT LOADCENTER. (FOR SENIOR LIVING PROJECTS ONLY) RESIDENTIAL UNIT PANELBOARD DESIGNATION TAG, IDENTIFIES THE PANELBOARD & CIRCUIT THAT PROVIDES POWER TO THE RESIDENTIAL UNIT LOADCENTER. BRANCH CIRCUIT RUN CONCEALED, UNO. DASHED INDICATES CIRCUITRY REQUIRED TO BE RUN BELOW SLAB. BRANCH CIRCUIT HOME RUN TO PANELBOARD AND CIRCUIT INDICATED.

RECEPTACLE DEVICE LEGEND

- REFER TO TYPICAL DEVICE ELEVATION DETAIL FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE ONE IN DETAIL: APPLIANCE RECEPTACLE, PROVIDE NEMA CONFIGURATION TO MATCH PLUG FOR EQUIPMENT SERVED. DUPLEX RECEPTACLE, NEMA 5-20R. DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R. GFCI DUPLEX RECEPTACLE, NEMA 5-20R. SINGLE RECEPTACLE, NEMA 5-20R. SWITCHED DUPLEX RECEPTACLE WITH SPLIT YOKE, THE BOTTOM OUTLET IS SWITCHED & THE TOP OUTLET IS UNSWITCHED, NEMA 5-15R.
REFER TO TYPICAL DEVICE ELEVATION DETAIL FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE TWO IN DETAIL: DUPLEX RECEPTACLE, NEMA 5-20R. DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R. GFCI DUPLEX RECEPTACLE, NEMA 5-20R. SINGLE RECEPTACLE, NEMA 5-20R.
REFER TO TYPICAL DEVICE ELEVATION DETAIL FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE FOUR IN DETAIL: DUPLEX RECEPTACLE, NEMA 5-20R. GFCI DUPLEX RECEPTACLE, NEMA 5-20R.
MOUNT THE FOLLOWING DEVICES AS NOTED: DUPLEX RECEPTACLE, NEMA 5-20R, CEILING MOUNT. DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, CEILING MOUNT. DUPLEX RECEPTACLE, NEMA 5-20R, RECESS FLOOR MOUNT. DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, RECESS FLOOR MOUNT.
CORD REEL OUTLET, CEILING MOUNT.
RECEPTACLE CONNECTED TO EMERGENCY POWER, PROVIDE RED DEVICE. TYPE OF RECEPTACLE MAY VARY.
GFCI RECEPTACLE CONNECTED TO EMERGENCY POWER, PROVIDE RED DEVICE. TYPE OF RECEPTACLE MAY VARY.
PROTECTIVE COVER FOR RECEPTACLE, PROVIDE NEMA 3R "WHILE IN USE" ENCLOSURE FOR ALL EXTERIOR LOCATIONS. TYPE OF RECEPTACLE MAY VARY.
PLUG LOAD CONTROLLED RECEPTACLE, TYPE OF RECEPTACLE MAY VARY.
RECEPTACLE WITH USB PORTS, TYPE OF RECEPTACLE MAY VARY.

FIRE ALARM LEGEND

- REFER TO TYPICAL DEVICE ELEVATION DETAIL FOR DEVICE MOUNTING REQUIREMENTS. FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE. NUMBER INDICATES STROBE CANDELA RATING. FIRE ALARM VISUAL NOTIFICATION DEVICE. NUMBER INDICATES STROBE CANDELA RATING. FIRE ALARM AUDIO NOTIFICATION DEVICE. FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE, CEILING MOUNTED. NUMBER INDICATES STROBE CANDELA RATING. FIRE ALARM VISUAL NOTIFICATION DEVICE, CEILING MOUNTED. NUMBER INDICATES STROBE CANDELA RATING. FIRE ALARM AUDIO NOTIFICATION DEVICE, CEILING MOUNTED. FIRE ALARM MANUAL PULL STATION. FIRE ALARM KEY OPERATED MANUAL PULL STATION. CARBON MONOXIDE DETECTOR, CEILING MOUNT. COMBINATION SMOKE DETECTOR / CARBON MONOXIDE, CEILING MOUNT. HEAT DETECTOR, CEILING MOUNT. SMOKE DETECTOR, CEILING MOUNT. FIRE ALARM DUCT SMOKE DETECTOR, FURNISH AND CONNECT UNDER DIVISION 28. INSTALL UNDER DIVISION 23. VERIFY LOCATION WITH DIVISION 23 PRIOR TO ROUGH-IN. PROVIDE ACCESSIBLE KEY OPERATED REMOTE TEST SWITCH FOR EACH DETECTOR. FIRE ALARM TAMPER SWITCH, PROVIDE UNDER DIVISION 21. FURNISH AND CONNECT MONITOR MODULE TO MONITOR UNDER DIVISION 28. FIRE ALARM FLOW SWITCH, PROVIDE UNDER DIVISION 21. FURNISH AND CONNECT MONITOR MODULE TO MONITOR UNDER DIVISION 28. ISOLATION VALVE SWITCH, PROVIDE UNDER DIVISION 21. FURNISH AND CONNECT MONITOR MODULE TO MONITOR UNDER DIVISION 28. FIRE ALARM PRESSURE SWITCH, PROVIDE UNDER DIVISION 21. FURNISH AND CONNECT MONITOR MODULE TO MONITOR UNDER DIVISION 28. FIRE ALARM REMOTE INDICATOR, CEILING MOUNT. FIRE ALARM MONITOR MODULE. NOT ALL MONITOR MODULES ARE INDICATED ON DRAWINGS. PROVIDE QUANTITY AND IN LOCATIONS REQUIRED TO ACCOMPLISH SPECIFIED MONITORING FUNCTIONS. FIRE ALARM CONTROL MODULE. NOT ALL CONTROL MODULES ARE INDICATED ON DRAWINGS. PROVIDE QUANTITY AND IN LOCATIONS REQUIRED TO ACCOMPLISH SPECIFIED CONTROL FUNCTIONS. FIRE ALARM SPRINKLER BELL, MOUNT AT +1'-0" AFF. PROVIDE CONCEALED 120-VOLT POWER CONNECTION. FIRE ALARM MAGNETIC DOOR HOLDER, WALL MOUNT. PROVIDE HINGED MAGNETIC CATCH PLATE ON DOOR TO MATE WITH DEVICE. COORDINATE LOCATION AND LENGTH WITH DIVISION 08. PROVIDE CONCEALED 24-VOLT POWER CONNECTION AND FIRE ALARM CONTROL MODULE IF REQUIRED FOR PROPER OPERATION. FIRE ALARM MAGNETIC DOOR HOLDER, FLOOR MOUNT. PROVIDE HINGED MAGNETIC CATCH PLATE ON DOOR TO MATE WITH DEVICE. COORDINATE LOCATION AND LENGTH WITH DIVISION 08. PROVIDE CONCEALED 24-VOLT POWER CONNECTION AND FIRE ALARM CONTROL MODULE IF REQUIRED FOR PROPER OPERATION. FIRE ALARM POWER CONNECTION TO DIVISION 23 SMOKE OR FIRE/SMOKE DAMPER. COORDINATE WITH DIVISION 23. REFER TO TYPICAL FIRE/SMOKE DAMPER DIAGRAM.

POWER / COMMUNICATION DEVICE LEGEND

- POWER/COMMUNICATIONS RECESSED FLOOR BOX, WHERE INDICATED. SUBSCRIPT NUMBER INDICATES OUTLET TYPE. REFER TO DETAIL ON E4 SERIES DRAWINGS. POWER/COMMUNICATIONS POKE THRU FLOOR BOX, WHERE INDICATED. SUBSCRIPT NUMBER INDICATES OUTLET TYPE. REFER TO DETAIL ON E4 SERIES DRAWINGS. SYSTEM FURNITURE FLEX POWER CABLE CONNECTION VIA FLOOR BOX WITH COVER SUITABLE FOR SYSTEM FURNITURE CONNECTION. REFER TO DETAIL ON E4 SERIES DRAWINGS. COORDINATE WITH SYSTEM FURNITURE PROVIDER PRIOR TO ROUGH-IN. SYSTEM FURNITURE FLEX POWER CABLE CONNECTION VIA FLUSH WALL BOX MOUNTED 4" AFF. REFER TO DETAIL ON E4 SERIES DRAWINGS. COORDINATE WITH SYSTEM FURNITURE PROVIDER PRIOR TO ROUGH-IN. POWER/COMMUNICATIONS POWER POLE, FURNISHED WITH (NCS) SYSTEM FURNITURE. PROVIDE POWER J-BOX MOUNTED TO STRUCTURE ABOVE CEILING, AND FLEXIBLE CONDUIT CONNECTION TO J-BOX MOUNTED TO TOP OF POLE AND CONNECTED TO PIT(S) FURNISHED WITH POLE. POLE LOCATION IS APPROXIMATE. COORDINATE WITH SYSTEM FURNITURE PROVIDER PRIOR TO ROUGH-IN. RECEPTACLE MOUNTED BESIDE TELECOMMUNICATION OUTLET. PROVIDE RECEPTACLE BASED ON "P" IN LEFT SYMBOL BOX. "P" INSIDE LEFT SYMBOL BOX SHALL BE ONE OF THE SYMBOLS FROM RECEPTACLE DEVICE LEGEND. PROVIDE TELECOMMUNICATION OUTLET BASED ON "T" IN RIGHT SYMBOL BOX. "T" INSIDE RIGHT SYMBOL BOX SHALL BE ONE OF THE SYMBOLS FROM COMMUNICATIONS LEGEND. RECEPTACLE AND TELECOMMUNICATION OUTLET MOUNTED INSIDE WALL MOUNTED FLAT DISPLAY BOX. PROVIDE RECEPTACLE BASED ON "P" IN LEFT SYMBOL BOX. "P" INSIDE LEFT SYMBOL BOX SHALL BE ONE OF THE SYMBOLS FROM RECEPTACLE DEVICE LEGEND. COORDINATE MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS. CATV OUTLET, COORDINATE MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS. MISC CATV OUTLET, COORDINATE MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS. WALL CLOCK, CEILING MOUNT, (ARROWS) INDICATE FACE(S) DIRECTION. SOUND SYSTEM SPEAKER, RECESS WALL MOUNT. MOUNT THE FOLLOWING DEVICES AS NOTED: MISC COMMUNICATIONS OUTLET. REFER TO DETAIL ON E4 SERIES DRAWINGS. RECESSED FLOOR MOUNT DEVICE COMPLETE WITH FITTINGS FOR FLOOR COVERING. REFER TO DETAIL ON E4 SERIES DRAWINGS. RECESSED FLOOR MOUNT DEVICE COMPLETE WITH FITTINGS FOR FLOOR COVERING. REFER TO DETAIL ON E4 SERIES DRAWINGS. CATV OUTLET, COORDINATE MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS. MISC CATV OUTLET, COORDINATE MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS. WALL CLOCK, CEILING MOUNT, (ARROWS) INDICATE FACE(S) DIRECTION. SOUND SYSTEM SPEAKER, RECESS CEILING MOUNT. WIRELESS ACCESS POINT. 2 POST TELECOMMUNICATIONS EQUIPMENT RACK. 4 POST TELECOMMUNICATIONS EQUIPMENT RACK. 2" EMT CONDUIT SLEEVE WITH NYLON BUSHING EACH END UNO, THRU WALL AT +6" ABOVE FINISHED CEILING. CABLE TRAY, MOUNT AT +6" ABOVE FINISHED CEILING.

ONE LINE DIAGRAM LEGEND

- CIRCUIT BREAKER
FUSED SWITCH
TRANSFORMER
TRANSFER SWITCH
FEEDER DESIGNATION
CURRENT TRANSFORMER
POTENTIAL TRANSFORMER

LIGHTING LEGEND

- REFER TO TYPICAL DEVICE ELEVATION DETAIL FOR DEVICE MOUNTING REQUIREMENTS. LIGHT SWITCH, RATED 120V/27 VOLTS, 20-AMPS. LIGHT SWITCHES WIRED FOR INBOARD/OUTBOARD SWITCHING, RATED 120/27 VOLTS, 20-AMPS. SUBSCRIPT/SUPERSCRIPT LETTERS, NUMBERS, AND SYMBOLS INDICATES SWITCH TYPE AS FOLLOWS: 3 INDICATES 3-WAY LIGHT SWITCH, 4 INDICATES 4-WAY LIGHT SWITCH, D INDICATES DIMMER SWITCH, D3 INDICATES 3-WAY DIMMER LIGHT SWITCH, D4 INDICATES 4-WAY DIMMER LIGHT SWITCH, K INDICATES KEY OPERATED LIGHT SWITCH, K3 INDICATES KEY OPERATED 3-WAY LIGHT SWITCH, K4 INDICATES KEY OPERATED 4-WAY LIGHT SWITCH, LV INDICATES LOW VOLTAGE LIGHT SWITCH, OS INDICATES SWITCH WITH INTEGRAL OCCUPANCY SENSOR, OD INDICATES DIMMER SWITCH WITH INTEGRAL OCCUPANCY SENSOR, P INDICATES PILOT LIGHT, ON WHEN SWITCH IS ON, T INDICATES TIMER LIGHT SWITCH, VS INDICATES SWITCH WITH INTEGRAL VACANCY SENSOR, VD INDICATES DIMMER SWITCH WITH INTEGRAL VACANCY SENSOR. LOWER CASE LETTER INDICATES LIGHT FIXTURE CONTROL DESIGNATION: OMNI-DIRECTIONAL LIGHTING CONTROL OCCUPANCY DETECTOR, CEILING MOUNT. DIRECTIONAL LIGHTING CONTROL OCCUPANCY DETECTOR, WALL MOUNT AT 6" BELOW FINISHED CEILING. OMNI-DIRECTIONAL LIGHTING CONTROL VACANCY DETECTOR, CEILING MOUNT. DIRECTIONAL LIGHTING CONTROL VACANCY DETECTOR, WALL MOUNT AT 6" BELOW FINISHED CEILING. PHOTOCCELL SENSOR FOR LIGHTING CONTROL, WALL MOUNT AT +10'-0" AFF. AIM NORTH. DAYLIGHT HARVESTING SENSOR FOR LIGHTING CONTROL, CEILING MOUNT. GENERATOR RELAY DEVICE. LIGHT FIXTURE, CEILING MOUNT. LIGHT FIXTURE ON EMERGENCY POWER, CEILING MOUNT. LIGHT FIXTURE, WALL MOUNT, HEIGHT AS INDICATED. LIGHT FIXTURE ON EMERGENCY POWER, WALL MOUNT, HEIGHT AS INDICATED. EMERGENCY EGRESS LIGHTING FIXTURE, WALL MOUNT, HEIGHT AS INDICATED. EXIT SIGN, CEILING MOUNT. DIRECTIONAL ARROWS AS INDICATED. SHADING INDICATES FACE(S) OF SIGN. EXIT SIGN, WALL MOUNT. DIRECTIONAL ARROWS AS INDICATED. SHADING INDICATES FACE(S) OF SIGN. TRACK LIGHTS. LIGHT FIXTURE, POLE MOUNT. SPORTS LIGHTING POLE. CEILING FAN WITH LIGHTING FIXTURE.

COMMUNICATIONS LEGEND

- REFER TO TYPICAL DEVICE ELEVATION DETAIL FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE ONE IN DETAIL: TELECOMMUNICATIONS OUTLET, WHERE INDICATED, SUBSCRIPT NUMBER INDICATES CABLE QUANTITY. REFER TO DETAIL ON E4 SERIES DRAWINGS. MICROPHONE OUTLET, WALL MOUNT AT +1'-6" AFF. SUBSCRIPT NUMBER INDICATES NUMBER OF JACKS TO PROVIDE IN OUTLET. MICROPHONE, CEILING MOUNT, W/ PENDANT. SUBSCRIPT NUMBER INDICATES NUMBER OF JACKS TO PROVIDE IN OUTLET. AUDIO INPUT OUTLET. VIDEO INPUT OUTLET. TELECOMMUNICATIONS GROUND BUS BAR. TELECOMMUNICATIONS MAIN GROUND BUS BAR. REFER TO TYPICAL DEVICE ELEVATION DETAIL FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE TWO IN DETAIL: TELECOMMUNICATIONS OUTLET, WHERE INDICATED, SUBSCRIPT NUMBER INDICATES CABLE QUANTITY. REFER TO DETAIL ON E4 SERIES DRAWINGS. REFER TO TYPICAL DEVICE ELEVATION DETAIL FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE THREE IN DETAIL: INTERCOM STATION WITH PUSHBUTTON. MASTER INTERCOM STATION. PUSHBUTTON SWITCH. REFER TO TYPICAL DEVICE ELEVATION DETAIL FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE FOUR IN DETAIL: WALL CLOCK, (ARROW(S) INDICATE FACE(S) DIRECTION. SOUND SYSTEM SPEAKER, RECESS WALL MOUNT. MOUNT THE FOLLOWING DEVICES AS NOTED: MISC COMMUNICATIONS OUTLET. REFER TO DETAIL ON E4 SERIES DRAWINGS. RECESSED FLOOR MOUNT DEVICE COMPLETE WITH FITTINGS FOR FLOOR COVERING. REFER TO DETAIL ON E4 SERIES DRAWINGS. RECESSED FLOOR MOUNT DEVICE COMPLETE WITH FITTINGS FOR FLOOR COVERING. REFER TO DETAIL ON E4 SERIES DRAWINGS. CATV OUTLET, COORDINATE MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS. MISC CATV OUTLET, COORDINATE MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS. WALL CLOCK, CEILING MOUNT, (ARROWS) INDICATE FACE(S) DIRECTION. SOUND SYSTEM SPEAKER, RECESS CEILING MOUNT. WIRELESS ACCESS POINT. 2 POST TELECOMMUNICATIONS EQUIPMENT RACK. 4 POST TELECOMMUNICATIONS EQUIPMENT RACK. 2" EMT CONDUIT SLEEVE WITH NYLON BUSHING EACH END UNO, THRU WALL AT +6" ABOVE FINISHED CEILING. CABLE TRAY, MOUNT AT +6" ABOVE FINISHED CEILING.

TASK FOOTCANDLES

Table listing task footcandle requirements for various areas: Classrooms (55), Media Center (55), Offices (50), Business (55), Studio (60), Science Lab (70), Electrical Rooms (30), Mechanical Rooms (30), Computer Labs (30), Gym (50), Locker Rooms (20), Lobbies/Corridors (15), Toilets (20), Kitchen (70), Dining (40), Auditorium (10-30), Storerooms (20), Whiteboards (30).

GENERAL NOTES

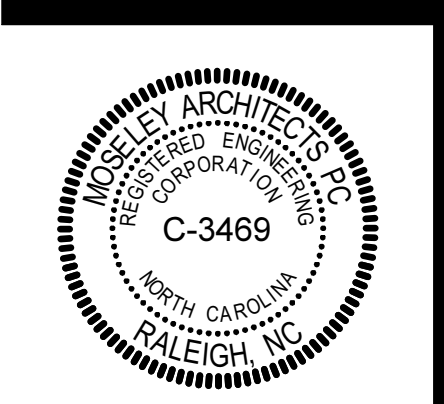
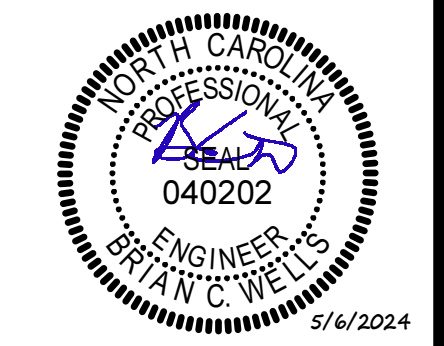
- THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK. FOLLOW MOUNTING HEIGHTS INDICATED IN THE ELECTRICAL LEGEND UNLESS OTHERWISE INDICATED. MEASURE ALL MOUNTING HEIGHTS FROM THE DEVICE CENTER LINE UNLESS OTHERWISE INDICATED. FIELD VERIFY EXACT FEEDER LOCATIONS FOR MECHANICAL EQUIPMENT PRIOR TO ROUGH-IN. EQUIPMENT CONNECTIONS ARE INDICATED IN THEIR APPROXIMATE LOCATIONS. VERIFY EXACT LOCATIONS OF ALL CONNECTIONS WITH OTHER TRADES SUPPLYING EQUIPMENT TO AVOID CONFLICTS AT INSTALLATION. LOCATED ALL SWITCHES FOR LOCAL CONTROL OF LIGHTING ON STRIKE SIDE OF SINGLE DOORS UNLESS OTHERWISE INDICATED. PROVIDE SPECIFIC BREAKER ARRANGEMENT FOR THE PANEL BOARDS WHEREVER PHYSICALLY POSSIBLE. PROVIDE AS-BUILT DRAWINGS INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. PANELBOARD DIRECTORIES INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. PROVIDE TYPE WRITTEN PANELBOARD DIRECTORIES INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. PROVIDE TYPEWRITTEN PANELBOARD DIRECTORIES INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. HAND WRITEN SCHEDULES ARE NOT ACCEPTABLE. ALL CONDUIT RUNS INDICATED ARE DIAGRAMMATIC, COORDINATE ROUTING IN ALL SPACES WITH OTHER TRADES. ALL PANELBOARDS INDICATED ARE HOUSED IN A SINGLE WIDTH ENCLOSURE, UNO. THE CONTRACTOR SHALL FIELD VERIFY FROM LAYOUT AND ADJUST ACCORDINGLY, AT NO COST TO THE OWNER, IF PROVIDING ANY PANELBOARD ENCLOSURES. WHERE POWER AND COMMUNICATION OUTLETS ARE INDICATED IN CLOSE PROXIMITY ON THE DRAWINGS, FIELD COORDINATE THE LOCATIONS TO PLACE THE OUTLETS ADJACENT TO EACH OTHER. ALL EXTERIOR RECEPTACLES SHALL BE LABELED "WR" - WEATHER RESISTANT. WHEN GROUPING MULTIPLE LINE TO NEUTRAL BRANCH CIRCUITS IN A CONDUIT, PROVIDE DEDICATED COLOR NEUTRAL CONDUCTORS FOR EACH CIRCUIT. DO NOT USE BREAKER TIES AND SHARED NEUTRALS EVEN THOUGH PERMITTED BY NEC. PROVIDE A 2" WIDE YELLOW LINE PAINTED ON THE FLOOR INDICATING THE ELECTRICAL WORKING SPACE. IN FRONT OF ALL ELECTRICAL PANELS IN ELECTRICAL ROOMS, REFER TO PLANS FOR ELECTRICAL WORKING SPACE DETAILS. STENCIL "NO STORAGE" IN 2" HIGH, YELLOW LETTERS CENTERED IN THE OUTLINED AREA. REFER TO STRUCTURAL DRAWINGS FOR ALL CONDUIT REQUIREMENTS BEING PLACED IN CMU WALLS.

ABBREVIATIONS

- 1P SINGLE PHASE, 3P THREE PHASE, 3R WEATHERPROOF (NEMA 3R), A AMPS, AFF ABOVE FINISHED FLOOR, AL ALUMINUM, ATS AUTOMATIC TRANSFER SWITCH, BFC BELOW FINISHED CEILING, BRG BREAKER, C CONDUIT, CATV COMMUNITY ANTENNA TELEVISION (CABLE), CB CIRCUIT BREAKER, CA CABLE, CCTV CLOSED CIRCUIT TELEVISION, CKT CIRCUIT, CLG CEILING, CLR CLEAR, CO COMPANY, COMB COMBINATION, COMM COMMUNICATIONS, CU COPPER, DA DIAMETER, DISC DISCONNECT, DIV DIVISION, DWG DRAWING, EBH ELECTRIC BASEBOARD HEATER, EC EMPTY CONDUIT, ECS EMERGENCY COMMUNICATIONS STATION, ELEC ELECTRICAL, ELEV ELEVATOR, EPO EMERGENCY POWER OFF, EQ EQUIPMENT, ETR EXISTING TO REMAIN, EWC ELECTRIC WATER COOLER, EX EXISTING, EXT EXTERIOR, FA FIRE ALARM, FAAP FIRE ALARM ANNUNCIATOR PANEL, FACP FIRE ALARM CONTROL PANEL, FAGP FIRE ALARM GRAPHIC PANEL, FAXP FIRE ALARM EXTENDER PANEL, FFSFP FIRE FIGHTERS SMOKE CONTROL PANEL, FLA FULL LOAD AMPS, FPMR FUSE PER MANUFACTURERS REQUIREMENTS/RECOMMENDATIONS, FPND FUSE PER NAMEPLATE DATA, G GROUND, GE GROUND FAULT PROTECTION FOR EQUIPMENT, 6-50mA PER NEC 477.22 (PROVIDE ACCESSORY FOR INDICATED BREAKER), GFICI GROUND FAULT CIRCUIT INTERRUPT, GFP GROUND FAULT PROTECTION FOR PERSONNEL, 4-6mA (PROVIDE ACCESSORY FOR INDICATED BREAKER), HKP HOUSEKEEPING PAD, HP HORSEPOWER, HPS HIGH PRESSURE SODIUM, HZ HERTZ, IAW IN ACCORDANCE WITH, IG ISOLATED GROUND, J-BOX JUNCTION BOX, KHFS KITCHEN HOOD FIRE SUPPRESSION SYSTEM, KHZ KILOHERTZ, KVA KILOWATT AMPS, KW KILOWATTS, KWH KILOWATT HOURS, LOCKOUT TO PREVENT UNAUTHORIZED SWITCHING (PROVIDE ACCESSORY FOR INDICATED BREAKER), ROUTE CIRCUIT TO LOAD VIA LIGHTING CONTACTOR, REFER TO LC SCHEDULE, LED LIGHT EMITTING DIODE, LTG LIGHTING, LTS LIGHTS, MAX MAXIMUM, MCA MINIMUM CIRCUIT AMPACITY, MCB MAIN CIRCUIT BREAKER, MCC MOTOR CONTROL CENTER, MH METAL HALIDE, MHZ MEGAHERTZ, MIN MINIMUM, ML MAINTENANCE LOCK (PROVIDE ACCESSORY FOR INDICATED BREAKER), MLO MAIN LUG ONLY, MMS MASS NOTIFICATION SYSTEM, MOCP MAXIMUM OVER CURRENT PROTECTION, MOUNT MOUNTED, N NEUTRAL, NIC NORMALLY CLOSED, NO NORMALLY OPEN, NO NUMBER, OFCI OWNER FURNISHED CONTRACTOR INSTALLED, P PILOT LIGHT (AT THE SWITCH HANDLE), PBD PANELBOARD, PD PROTECTIVE DEVICE, RCP RECEPTACLE, REC RECEPTACLE, SEC SECURITY, SPD SURGE PROTECTIVE DEVICE, SPEC SPECIFICATIONS, ST SHUNT TRIP, 120V COIL, (PROVIDE ACCESSORY FOR INDICATED BREAKER), SW SWITCH, SWBD SWITCHBOARD, TBB TELECOMMUNICATIONS BONDING BACKBONE, TO TELECOMMUNICATIONS CLOSET, TOC TELECOMMUNICATIONS, TGB TELECOMMUNICATIONS GROUNDING BUS BAR, TMGB TELECOMMUNICATIONS MAIN GROUNDING BUS BAR, TYP TYPICAL, UNO UNLESS NOTED (INDICATED) OTHERWISE, V VOLTS, VFD VARIABLE FREQUENCY DRIVE, VIF VERIFY IN FIELD, W WAITS, W WITH, WG WIRE GUARD, WP WEATHERPROOF, XFER TRANSFER, XPMR TRANSFORMER.



Table with columns for Project No. (832326), Date (MAY 6, 2024), and Revision/Description.



PROJECT NO:	832398
DATE:	MAY 6, 2024
REVISIONS:	
DATE:	
DESCRIPTION:	

EXISTING PANELBOARD SCHEDULE L1A											
			LOCATION: ELEC 115			FED FROM: LD					
225 AMP MCB			120/208 Vwye			3 PH 4 W			MOUNT: SURFACE		
CKT	BRKR	POLE	LOAD	A	B	C	LOAD	POLE	BRKR	CKT	
1	20 A	1	EX AUTOCLAVE (EB)	0.0	0.0		EX REC (EB)	1	20 A	2	
3	20 A	1	EX TIME CLOCK (EB)		0.0	0.0	EX REC (EB)	1	20 A	4	
6	20 A	2	SPARE	0.0	1.1		EX REC (EB)	1	20 A	6	
9	20 A	1	EX REC (EB)		0.0	1.1	REC 125 TABLES (CB)	1	20 A	8	
11	20 A	1	EX LTG (EB)			0.0	0.2	REC 125 INCUBATOR (CB)	1	20 A	10
13	20 A	1	EX LTG (EB)	0.0	1.1			REC 125 TABLES (CB)	1	20 A	12
15	20 A	1	EX REC (EB)					REC 125 TABLES (CB)	1	20 A	14
17	20 A	2	EX REC (EB)		0.0	1.1		REC 125 (CB)	1	20 A	16
19	20 A	1	EX REC (EB)	0.0	1.1			REC 116 TABLES (CB)	1	20 A	18
21	20 A	1	EX REC (EB)		0.0	1.1		REC 116 TABLES (CB)	1	20 A	20
23	20 A	1	EX EWC (EB)			0.0	0.4	REC 125 (CB)	1	20 A	22
25	20 A	1	EX REC (EB)	0.0	1.1			REC 116 TABLES (CB)	1	20 A	24
27	20 A	2	EX REC (EB)		0.0	1.1		REC 116 TABLES (CB)	1	20 A	26
29	20 A	1	REC 116 (PB)			0.4	0.4	REC 116 (CB)	1	20 A	28
31	20 A	1	EX REC (EB)	0.0	0.0			EX REC (EB)	1	20 A	30
33	20 A	1	EX REC (EB)		0.0	0.0		EX REC (EB)	1	20 A	32
35	20 A	1	EX REC (EB)			0.0	0.0	EX REC (EB)	1	20 A	34
37	20 A	2	EX REC (EB)	0.0	0.0			EX REC (EB)	1	20 A	36
39	20 A	1	EX REC (EB)		0.0	0.0		EX HOOD (EB)	1	20 A	38
41	20 A	1	EX REC (EB)					EX REC (EB)	1	20 A	40
43	20 A	1	EX REC (EB)	0.0	0.0			EX REC (EB)	1	20 A	42
45	20 A	1	EX REC (EB)		0.0	0.0		EX REC (EB)	1	20 A	44
47	20 A	1	EX REC (EB)			0.0	0.5	FAXP (L) (RB)	1	20 A	46
49	20 A	1	EX REC (EB)	0.0	0.0			EX EVAP COOLER (EB)	1	20 A	48
51	20 A	1	EX REC (EB)		0.0	0.0		EX EVAP COOLER (EB)	1	20 A	50
53	20 A	1	EX REC (EB)			0.0	0.0	SPARE	1	20 A	52
55	20 A	2	EX REC (EB)	0.0	0.0			EX TRACK LTG (EB)	1	20 A	54
57	20 A	1	EX REC (EB)		0.0	0.0		EX REC (EB)	1	20 A	56
59	20 A	1	SPARE			0.0	0.0	EX REC (EB)	1	20 A	58
61	20 A	1	SPARE	0.0	0.0			EX REC (EB)	1	20 A	60
63	20 A	2	EX CENTRIFUGE (EB)		0.0	--	--	SPACE ONLY	1	--	62
65	--	1	SPACE ONLY	--	--	--	--	SPACE ONLY	1	--	64
67	--	1	SPACE ONLY	--	--	--	--	SPACE ONLY	1	--	66
69	--	1	SPACE ONLY	--	--	--	--	SPACE ONLY	1	--	68
71	--	1	SPACE ONLY	--	--	--	--	SPACE ONLY	1	--	70

(EB) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22. PROVIDE DED. NEUTRAL  
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 6-50mA PER NEC 210.8. PROVIDE DED. NEUTRAL  
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.  
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE.  
(EB) = EXISTING BREAKER  
(RB) = REPLACE BREAKER WITH SIZE INDICATED  
(PB) = PROVIDE BREAKER IN EXISTING SPACE  
(CB) = CONNECT TO EXISTING BREAKER

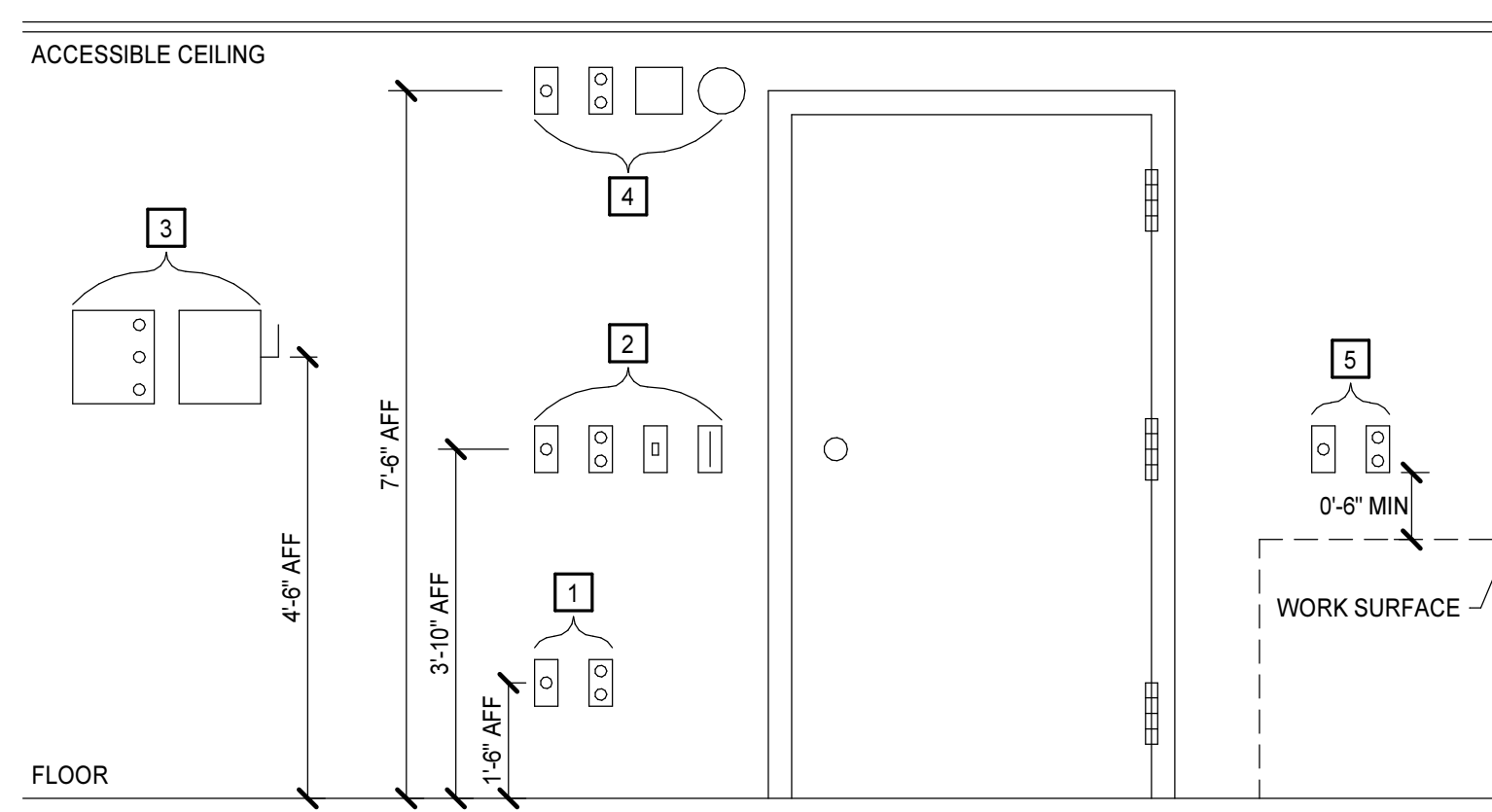
EXISTING PANELBOARD SCHEDULE L1B											
			LOCATION: BIOLOGY LAB			FED FROM: LD					
225 AMP MCB			120/208 Vwye			3 PH 4 W			MOUNT: RECESSED		
CKT	BRKR	POLE	LOAD	A	B	C	LOAD	POLE	BRKR	CKT	
1	20 A	1	EX REC (EB)	0.0	0.0		EX REC (EB)	1	20 A	2	
3	20 A	1	EX REC (EB)		0.0	0.0	EX REC ELEVATOR PIT (EB)	1	20 A	4	
5	20 A	1	EX REC (EB)			0.0	0.0	EX REC (EB)	2	20 A	6
7	20 A	1	EX EWC (EB)	0.0	0.0			EX REC (EB)	2	20 A	8
9	20 A	1	EX REC (EB)		0.0	0.0		EX REC (EB)	2	20 A	10
11	20 A	1	EX REC (EB)			0.0	0.0	EX REC (EB)	2	20 A	12
13	20 A	1	EX REC (EB)	0.0	0.0			EX REC (EB)	2	20 A	14
15	20 A	1	EX REC (EB)			0.0	0.0	EX REC (EB)	2	20 A	16
17	20 A	1	EX REC (EB)		0.0	0.0		EX REC (EB)	2	20 A	18
19	20 A	1	EX REC (EB)	0.0	0.0			EX REC (EB)	2	20 A	20
21	20 A	1	EX REC (EB)		0.0	0.0		EX COOLER LTG (EB)	1	20 A	22
23	20 A	1	EX REC (EB)			0.0	0.0	EX FUME HOOD 116 (EB)	1	20 A	24
25	20 A	1	EX EWC (EB)			0.0	0.0	EX FUME HOOD 125 (EB)	1	20 A	26
27	20 A	1	EX REC (EB)	0.0	0.0			EX REC (EB)	1	20 A	28
29	20 A	1	EX REC (EB)		0.0	0.0		EX PROJECTION SCREEN (EB)	1	20 A	30
31	20 A	2	EX REC (EB)	0.0	0.0			EX REC (EB)	1	20 A	32
33	20 A	1	EX REC (EB)		0.0	0.0		EX REC (EB)	1	20 A	34
35	20 A	1	EX REC (EB)			0.0	0.0	EX REC (EB)	1	20 A	36
37	20 A	1	EX FLOOR REC (EB)	0.0	0.0			EX REC (EB)	1	20 A	38
39	20 A	1	REC 126 (CB)		0.4	0.0		EX FLOOR REC (EB)	1	20 A	40
41	20 A	1	REC 126 (PB)			0.4	0.4	REC 126 (PB)	1	20 A	42
43	20 A	1	EX REC (EB)	0.0	0.0			EX LH2 (EB)	1	20 A	44
45	20 A	1	EX REC (EB)		0.0	0.0		EX EF-10 (EB)	1	20 A	46
47	20 A	1	EX REC (EB)			0.0	0.0	EX EF-14 (EB)	1	20 A	48
49	20 A	1	EX REC (EB)	0.0	0.0				1	20 A	50
51	20 A	1	EX CAMERAS 102 (EB)			0.0	0.0	EX WALK-IN COOLER (EB)	3	15 A	52
53	20 A	1	EX REC (EB)			0.0	0.0	EX REC (EB)	1	20 A	54
55	20 A	1	EX REC (EB)	0.0	0.0			EX AIR HANDLER (EB)	2	20 A	56
57	20 A	1	EX REC (EB)		0.0	0.0		EX REC (EB)	1	20 A	58
59	100 A	3	EX SUB PANEL L1B-A (EB)			0.0	0.0	EX REC (EB)	1	20 A	60
61	20 A	1	EX REC (EB)	0.0	--			SPACE ONLY	1	--	62
63	20 A	1	EX REC (EB)		0.0	0.0		EX REC (EB)	1	20 A	64
65	20 A	1	EX REC (EB)			0.0	--	SPACE ONLY	1	--	66
67	70 A	3	EX PANEL LP (EB)	0.0	0.0			EX DIM PANEL (EB)	3	50 A	68
69	70 A	3	EX PANEL LP (EB)		0.0	0.0		EX DIM PANEL (EB)	3	50 A	70
71	--	1	SPACE ONLY	--	--	--	--	SPACE ONLY	1	--	72
73	50 A	2	EX AC UNIT (EB)	0.0	--			SPACE ONLY	1	--	74
75	--	1	SPACE ONLY	--	--	--	--	SPACE ONLY	1	--	76
77	--	1	SPACE ONLY	--	--	--	--	SPACE ONLY	1	--	78
79	--	1	SPACE ONLY	--	--	--	--	SPACE ONLY	1	--	80
81	--	1	SPACE ONLY	--	--	--	--	SPACE ONLY	1	--	82
83	--	1	SPACE ONLY	--	--	--	--	SPACE ONLY	1	--	84

(EB) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22. PROVIDE DED. NEUTRAL  
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(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.  
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(EB) = EXISTING BREAKER  
(RB) = REPLACE BREAKER WITH SIZE INDICATED  
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(CB) = CONNECT TO EXISTING BREAKER

LIGHT FIXTURE SCHEDULE															
TYPE	DESCRIPTION	MANUFACTURER	SERIES NO.	VOLTAGE	WATTAGE	FINISH/COLOR	MOUNTING TYPE	LIGHT SOURCE	LUMENS	CCT	CRI	DIMMING	REFLECTORS, OPTIONS & ACCESSORIES	LABELS & LISTINGS	COMMENTS
T1-34	4" RECESSED LINEAR - 36FT	ALW	LIGHTPLANE 3.5	UNV	6.3FT	SATIN WHITE	RECESSED	LED	822FT	4000	80	0-10 1%		1,2,3	
T1-36	4" RECESSED LINEAR - 36FT	ALW	LIGHTPLANE 3.5	UNV	6.3FT	SATIN WHITE	RECESSED	LED	822FT	4000	80	0-10 1%		1,2,3	
X1	EXIT SIGN	CURRENT LIGHTING	LES	UNV	2	RED LETTERING	REFER TO PLANS	LED							90 MIN BATTERY

**GENERAL NOTES:**  
A. ALL FIXTURES SHALL BE CAPABLE OF 120V AND 277V INPUT (MVOLT) UNO.  
B. REFER TO LIGHTING PLANS AND SPECIFICATIONS FOR ADDITIONAL FIXTURE INFORMATION.  
C. WHERE FINISH OR FIXTURE COLOR IS INDICATED AS 'TBD', IT SHALL BE SELECTED WITH THE PROJECT'S INTERIOR COLOR SELECTIONS.

**OPTIONS & ACCESSORIES:**  
1. 90 MINUTE EMERGENCY BATTERY PACK  
2. WIDESPREAD DISTRIBUTION.  
3. FLUSH LENS



**KEY NOTES:**

- 1 RECEPTACLE OR TELECOMMUNICATIONS DEVICES MOUNTED AT 1'-6" AFF UNO ON FLOOR PLAN
- 2 RECEPTACLE, TELECOMMUNICATIONS DEVICES, LIGHT SWITCH, POWER DEVICES / EQUIPMENT OR CARD READER MOUNTED AT 3'-10" AFF UNO ON FLOOR PLAN
- 3 POWER DEVICES / EQUIPMENT MOUNTED AT 4'-6" AFF UNO ON FLOOR PLAN. IF EQUIPMENT HAS HANDLE OR SWITCHES, MIDDLE OF HANDLE OR SWITCH SHALL BE AT 4'-6" AFF UNO.
- 4 RECEPTACLE OR TELECOMMUNICATIONS DEVICES MOUNTED AT 7'-6" AFF UNO ON FLOOR PLAN
- 5 RECEPTACLE OR TELECOMMUNICATIONS DEVICES MOUNTED ABOVE WORK SURFACE

**LEGEND SYMBOL:**

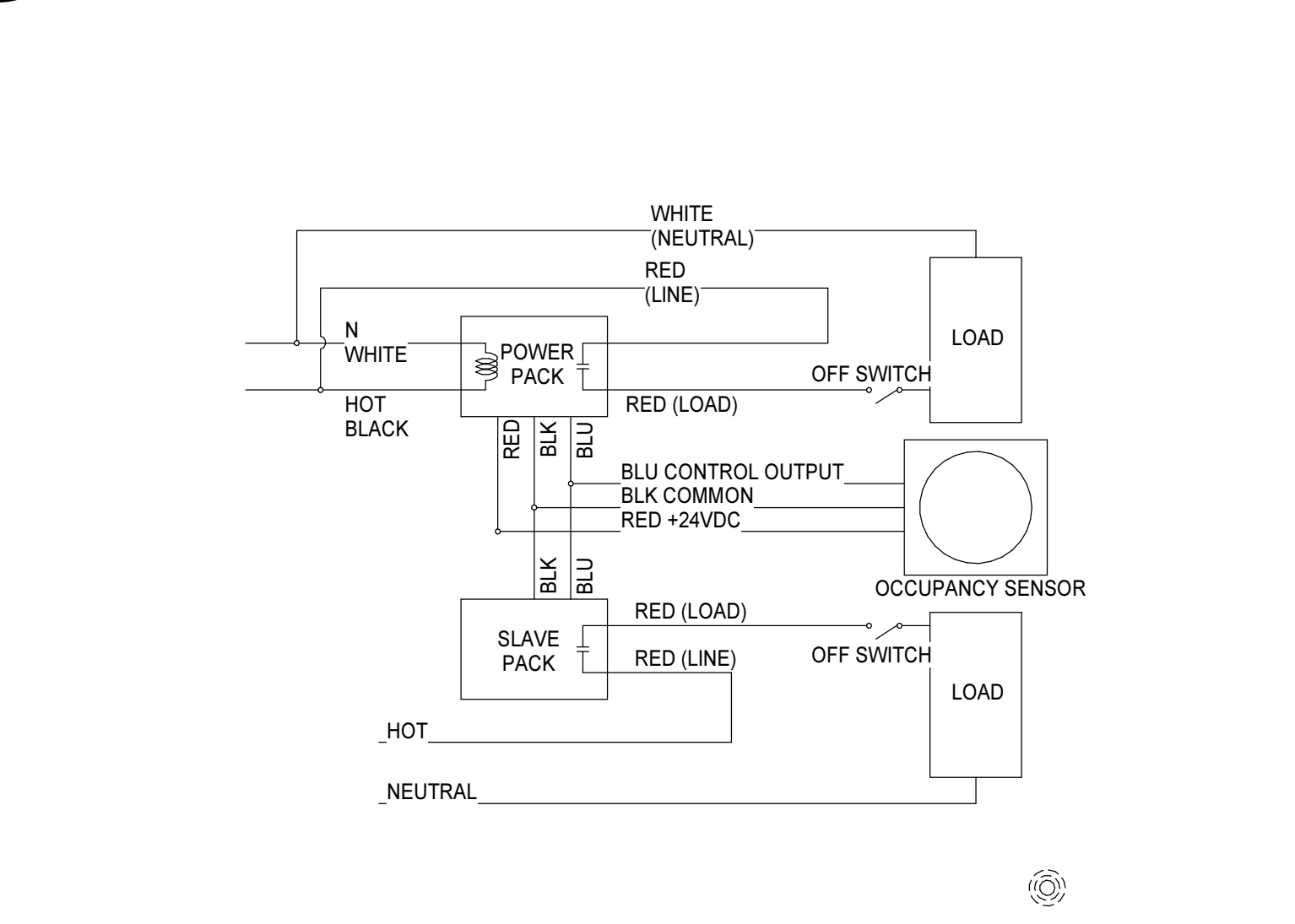
- REFER TO RECEPTABLES DEVICE AND COMMUNICATIONS LEGEND FOR COMPLETE LIST OF SYMBOLS
- REFER TO RECEPTABLES DEVICE, COMMUNICATIONS, POWER DEVICES / EQUIPMENT LEGEND FOR COMPLETE LIST OF SYMBOLS
- REFER TO POWER DEVICES / EQUIPMENT LEGEND FOR COMPLETE LIST OF SYMBOLS
- REFER TO RECEPTABLES DEVICE, COMMUNICATIONS, POWER DEVICES / EQUIPMENT LEGEND FOR COMPLETE LIST OF SYMBOLS

**NOTES:**

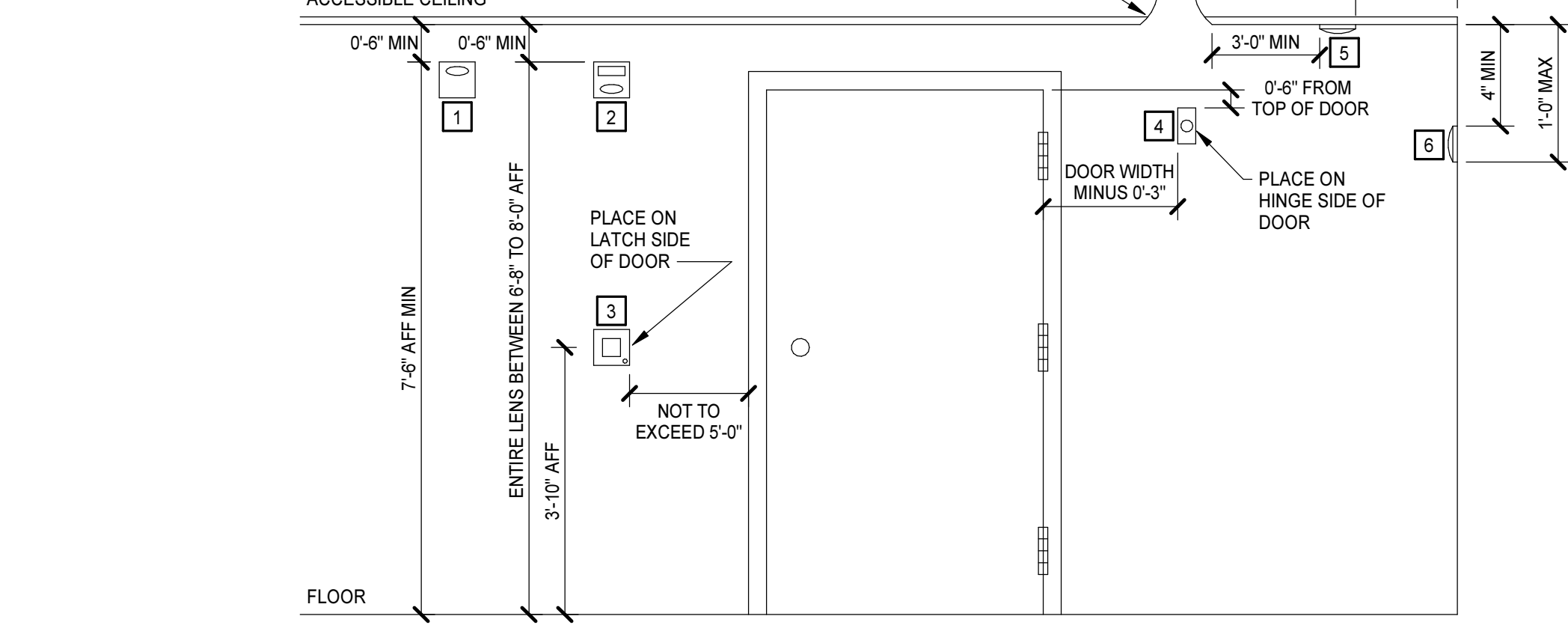
- 1. ALL DEVICES MOUNTED ABOVE NON-ADA COMPLIANT WORK SURFACES SHALL ADHERE TO THE FOLLOWING:
  - A. BOTTOM OF DEVICE SHALL BE 0'-6" MINIMUM ABOVE WORK SURFACE.
- 2. ALL DEVICES MOUNTED ABOVE ADA COMPLIANT WORK SURFACES SHALL ADHERE TO THE FOLLOWING:
  - A. BOTTOM OF DEVICE SHALL BE 0'-6" MINIMUM ABOVE WORK SURFACE.
  - B. TOP OF DEVICE SHALL BE NO HIGHER THAN 3'-8" ABOVE WORK SURFACE FOR OBSTRUCTED FORWARD REACH.
  - C. TOP OF DEVICE SHALL BE NO HIGHER THAN 3'-10" ABOVE WORK SURFACE FOR OBSTRUCTED SIDE REACH.

REFER TO ARCHITECTURAL DRAWINGS FOR HEIGHTS AND ELEVATIONS OF ALL WORK SURFACES.

1 TYPICAL DEVICE ELEVATION DETAIL  
12" = 1'-0"



2 OCCUPANCY SENSOR DIAGRAM AUXILIARY RELAY PACK SENSOR  
12" = 1'-0"



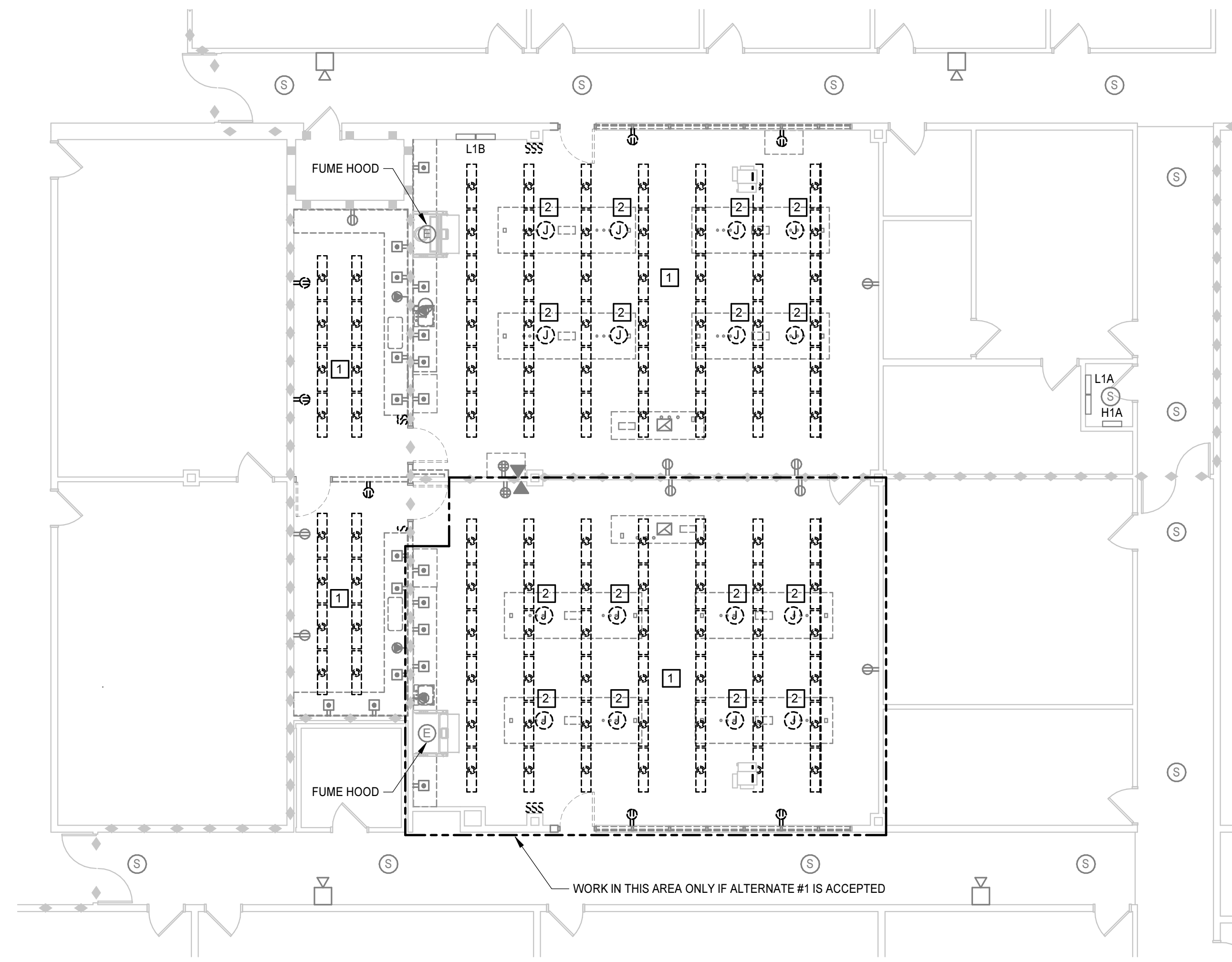
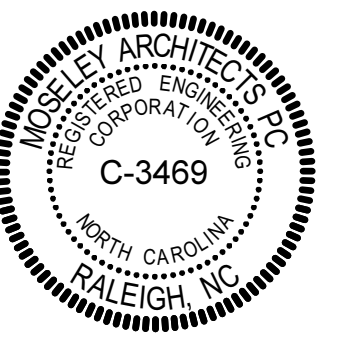
**KEY NOTES:**

- 1 FIRE ALARM AUDIO ONLY DEVICE
- 2 FIRE ALARM VISUAL ONLY DEVICE OR FIRE ALARM AUDIO/VISUAL DEVICE
- 3 FIRE ALARM MANUAL PULL STATION OR FIRE ALARM KEY OPERATED MANUAL PULL STATION
- 4 FIRE ALARM MAGNETIC DOOR HOLDER
- 5 FIRE ALARM INITIATING DEVICES - CEILING MOUNTED SMOKE, HEAT, CARBON OR COMBO DETECTORS
- 6 FIRE ALARM INITIATING DEVICES - WALL MOUNTED SMOKE, HEAT, CARBON OR COMBO DETECTORS

**LEGEND SYMBOL:**

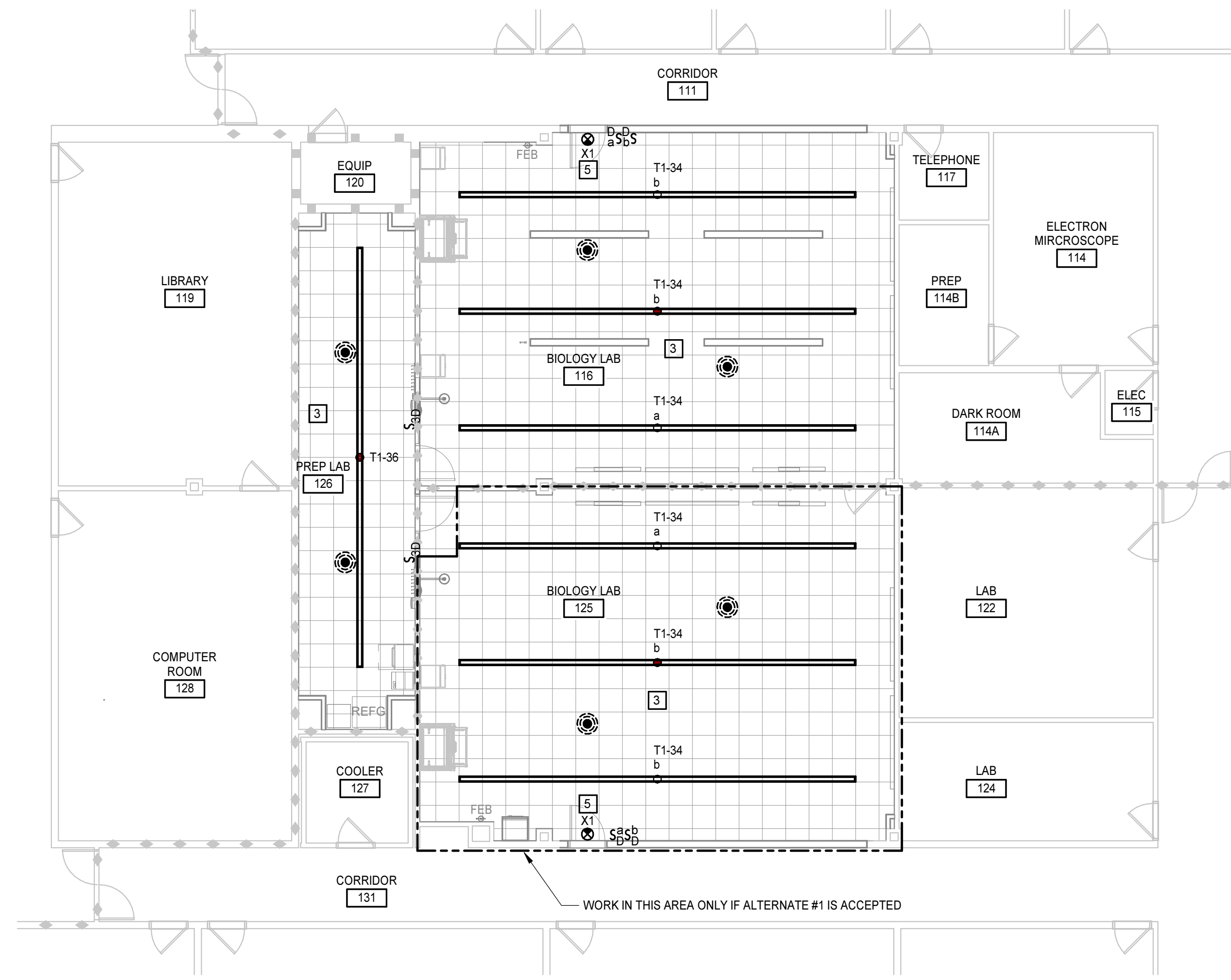
- REFER TO RECEPTABLES DEVICE, COMMUNICATIONS, POWER DEVICES / EQUIPMENT LEGEND FOR COMPLETE LIST OF SYMBOLS
- REFER TO RECEPTABLES DEVICE, COMMUNICATIONS, POWER DEVICES / EQUIPMENT LEGEND FOR COMPLETE LIST OF SYMBOLS
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3 TELECOMMUNICATIONS OUTLET CONDUIT DETAIL  
1/4" = 1'-0"



**FIRST FLOOR PLAN - DEMOLITION**

1/8" = 1'-0"



**FIRST FLOOR PLAN - LIGHTING**

1/8" = 1'-0"

**GENERAL NOTES**

- PERFORM FIRE ALARM REACCEPTANCE TESTING PER NFPA 72 REQUIREMENTS.
- WHERE RELOCATING OR ADDING FIRE ALARM SYSTEMS DEVICES, DO NOT SPLICE OR T-TAP FIRE ALARM WIRING. MAKE CONNECTIONS ONLY AT DEVICES OR IN TERMINAL CABINETS.
- AFTER COMPLETING FIRE ALARM WORK, TEST 100% OF NEW DEVICES AND DEVICES ON SAME LOOP PLUS 10% OF EXISTING DEVICES FIRE ALARM SYSTEM TO VERIFY PROPER OPERATION.
- FOR PROJECTS MIXING OLD AND NEW NOTIFICATION DEVICES, IT IS THE RESPONSIBILITY OF DIV 28, BEFORE BEGINNING WORK, TO ENSURE THAT NEW AND EXISTING DEVICES CAN PRODUCE THE SAME SYNCHRONIZED AUDIBLE TONE/PULSE ALARM. IF NOT POSSIBLE, ALL EXISTING AUDIBLE DEVICES SHALL BE REPLACED WITHIN LINE OF SIGHT AND AUDIBLE TONE DISTANCE.
- DIV 28 IS TO VERIFY EXISTING FIRE ALARM SYSTEM HAS BATTERY AND VOLTAGE CAPACITY TO HANDLE ALL DEVICES PLUS REQUIRED CAPACITY FOR POTENTIAL FUTURE DEVICES.

**KEYNOTES**  
APPLIES TO THIS DRAWING

- DISCONNECT & REMOVE ALL LIGHT FIXTURES AND SWITCHING IN THIS ROOM. MAINTAIN BRANCH CIRCUIT HOMERUN FOR REUSE.
- DISCONNECT & REMOVE BRANCH CIRCUIT SERVING LAB TABLES FED FROM BELOW IN ITS ENTIRETY.
- PROVIDE FIXTURES & SWITCHING AS INDICATED & RECONNECT TO EXISTING BRANCH CIRCUIT HOMERUN.
- PROVIDE FIRE ALARM NAC PANEL AS INDICATED. CONNECT TO EXISTING NOTIFIER NFS-320 FACP IN 2ND FLOOR ELECTRICAL ROOM, APPROXIMATELY 100FT AWAY.
- CONNECT TO EXISTING LOCAL UN-SWITCHED EXIT SIGN CIRCUIT.

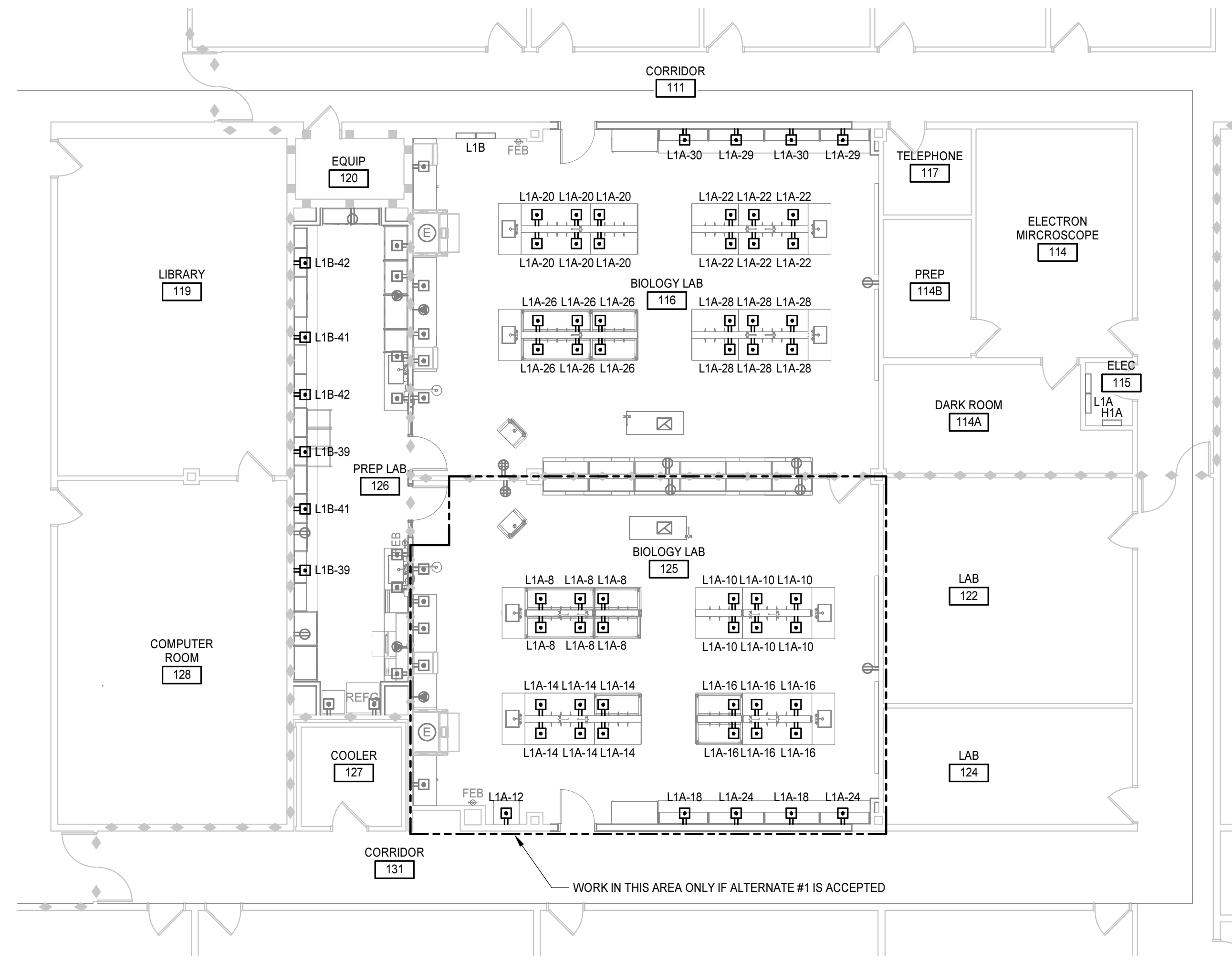
**LIFE SAFETY SYMBOL LEGEND**  
APPLIES TO THIS DRAWING

DESIGNATOR MATRIX

	EXISTING WALL	EXISTING BARRIER	EXISTING PARTITION	RATED BEARING OR NON-BEARING WALL
2 HR FIRE	[Symbol]	[Symbol]	[Symbol]	[Symbol]
SMOKE	[Symbol]	[Symbol]	[Symbol]	[Symbol]

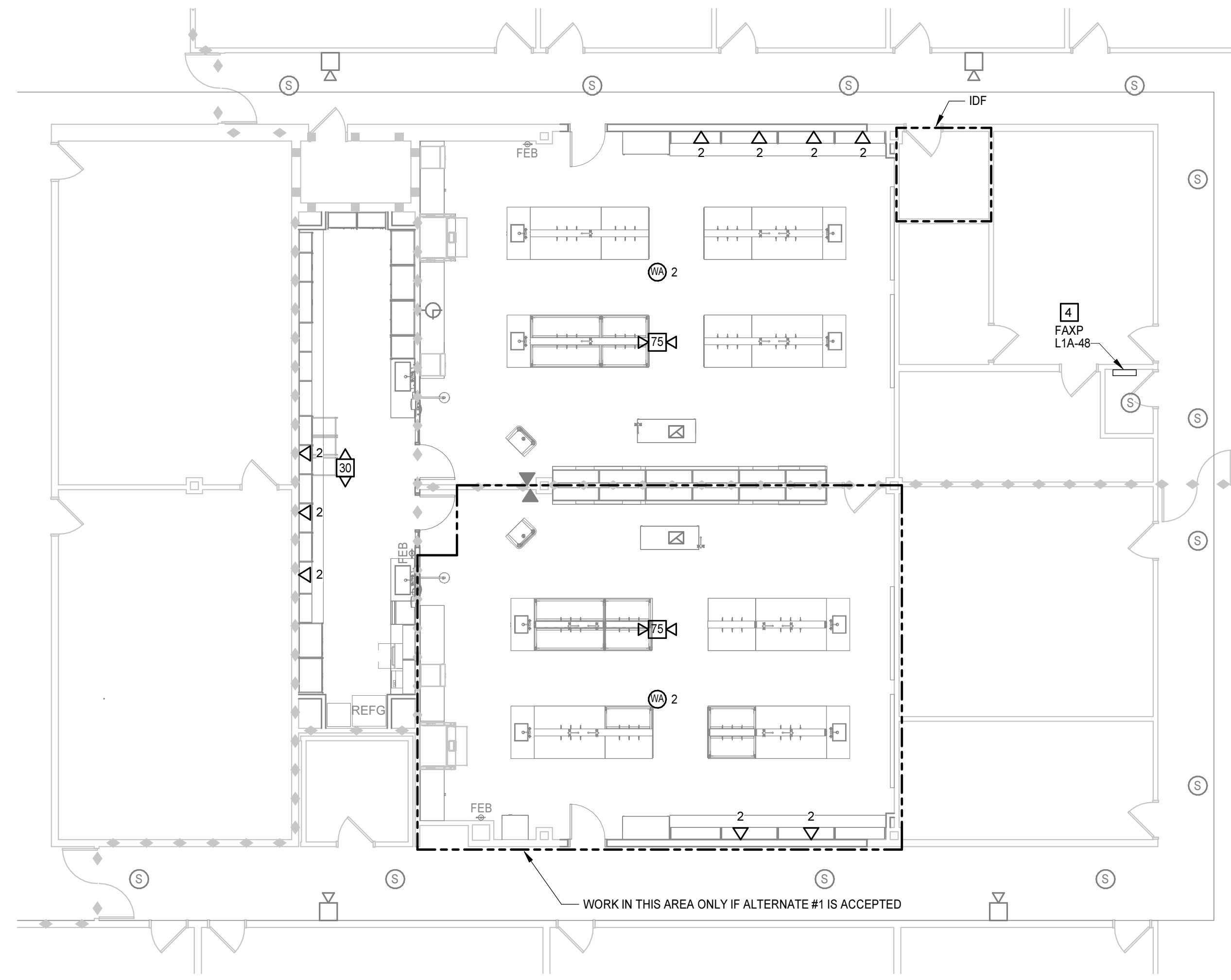
NOTES:

- REFER TO THE CONTRACT DOCUMENTS, INCLUDING THE LIFE SAFETY SYMBOLS LEGEND AND A0, A1 AND, A2 SERIES OF DRAWINGS, FOR ACTUAL WALL/PARTITION TYPES AND CONSTRUCTION REQUIREMENTS.



**FIRST FLOOR PLAN - POWER**

1/8" = 1'-0"



**FIRST FLOOR PLAN - COMMUNICATIONS**

1/8" = 1'-0"

PROJECT NO:	632328
DATE:	MAY 6, 2024
REVISIONS	
DATE	DESCRIPTION