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ARCHITECTURE ENGINEERING INTERIOR DESIGN

1715 MAGNAVOX WAY, FORT WAYNE, INDIANA 46804 PH. 260-432-9337

930 NORTH MERIDIAN, INDIANAPOLIS, INDIANA 46204 PH. 317-917-1190 WWW.MSKTD.COM

ADDENDUM NO. 02

Indiana University – VanNuys Med Sci Bldg – MS Labs Phases 1-2 Renov

IU Project No. 20240023

MSKTD Project No. 8097.02

July 15, 2026

This addendum is issued as a supplement to the plans and specifications and shall be considered an integral part of the same.

<u>ITEM</u>	<u>LOCATION</u>	<u>DESCRIPTION</u>
2.1	Specifications Notice to Bidders	BID DATE HAS BEEN EXTENDED. NEW BID DATE: July 30, 2026, 2:00 P.M. Eastern Time Bidding Questions and Product Substitutions deadline: July 21, 2026. Final Addendum: July 24, 2026.
2.2	Specifications Section 115313	Laboratory Fume Hoods 2.01 A. - add into this section the words 'high performance/highly efficient'. Section now reads, "Basis of Design Manufacturer: Subject to compliance with requirements, provide Labconco products indicated below, or comparable high performance/highly efficient products by one of the following indicated below."
2.3	Specifications Section 123553	Laboratory Casework a. 2.01C Phenolic countertop manufacturers, add Item 3 Fundermax . b. 2.02 C 3 – Phenolic countertop color section - add subsection a - Thru color is not required but is allowed . c. 2.05 B 2 a - Undercounter flammable liquid (solvent) cabinets – strike through the line Cabinets shall be FM Global approved . Section now reads, "Labeling: Provide units that are listed and labeled as complying with requirements of NFPA 30 by Underwriters Laboratory (UL) or other testing and inspecting agency acceptable to authorities having jurisdiction. Cabinets shall be FM Global approved . Provide testing laboratory labels on top interior of cabinet doors."

<u>ITEM</u>	<u>LOCATION</u>	<u>DESCRIPTION</u>
		d. 2.07, B. Shelf Edge Protection. 1. Retaining Rod Clarification: Regardless of what is detailed on Sheet QL012, retaining rods are required at the front edge of all workstation shelving. 2. Retaining Rod Clarification: Per 1/QL012, Detail – Moveable Workstation the area between the two shelves should have a filler shelf between them so that the two shelves plus the filler shelf create a flat plane. This allows larger items to span between shelves. Because of this configuration, rear lips are not required. e. 2.10 G Casework Locks – remove the word “wood” and replace it with “plastic laminate clad casework cabinets.” Section now reads: “G. Locks: Cam type with five-pin tumbler, brass with chrome-plated finish; complying with BHMA A156.11, Type E07281 (metal and wood plastic laminate clad casework cabinets), E07111 or E07021 (metal cabinets).” f. 2.10 G 4 – Casework Locks - section added - 4. Provide locks at all casework doors and drawers except not at sink door cabinets. g. 2.11 Laboratory Work Surfaces clarification: On Sheet QL001, lab furnishing and equipment general notes , Item C reads: “Lab casework at lab perimeter walls shall be plastic laminate clad casework, UNO. Casework under fume hoods shall be metal, UNO. Adjustable shelving shall be metal, UNO. Moveable casework and workstations shall be metal UNO. See QL012 for more information on moveable casework.” Item D reads: “Lab counter tops shall be 1" thick phenolic, UNO.” On Sheet QL012, Laboratory Moveable Workstation Schedule indicates that the work surface material is to be phenolic. On Sheet QL012, the detail for the mobile cabinets indicates that the countertops on the top of the mobile cabinets will be ¾" thick phenolic tops. h. 2.11 C – Plastic Laminate Tabletops - section deleted C. Plastic Laminated Tabletops (at Moveable Workstations): Fabricate with cutouts for accessories as needed, and butt joints assembled with adhesive, type per manufacturer and concealed metal splines. 1. Top Configuration: Flat, 3/4 inch (19 mm) thick, with beveled edge and corners, and with drip groove 1/2 inch back from edge.
2.4	Drawings All Plan Sheets	Architectural Specific Plan Note A9 Change note to read: TYPICAL 2-HR F.R. CONTROL JOINT, REFERENCE DETAIL 5/A002. PROVIDE CLARKEDIETRICH #FAS-093X FIRE RATED CONTROL JOINT FOR BOTH SIDES OF THE SHAFT WALL.
2.5	Drawings Sheet A200a	Basement Demolition Plan Add Specific Architectural Plan Note schedule. Note A12 to read: PATCH AND REPAIR ALL CONCRETE FOUNDATION AND OR SLABS WHERE NEW ACID WASTE PIPING IS SCHEDULED FOR INSTALLATION. WATERSTOP ALL PENETRATIONS. SEE PLUMBING.
2.6	Drawings All QL Drawings	See the attached, reissued QL Drawings, dated May 22, 2026.

<u>ITEM</u>	<u>LOCATION</u>	<u>DESCRIPTION</u>
2.7	Drawings Sheet P212a	Adjusted plan notes and tags to better reflect equipment responsibility in Autoclave Room 119A.

Prepared by,

MSKTD & ASSOCIATES, INC.



Richard A. Dahlstrom, Senior Architect

Attachment: All QL Drawings
Sheet P212a

Cc: Post on Eastern Engineering website

LABORATORY ABBREVIATIONS

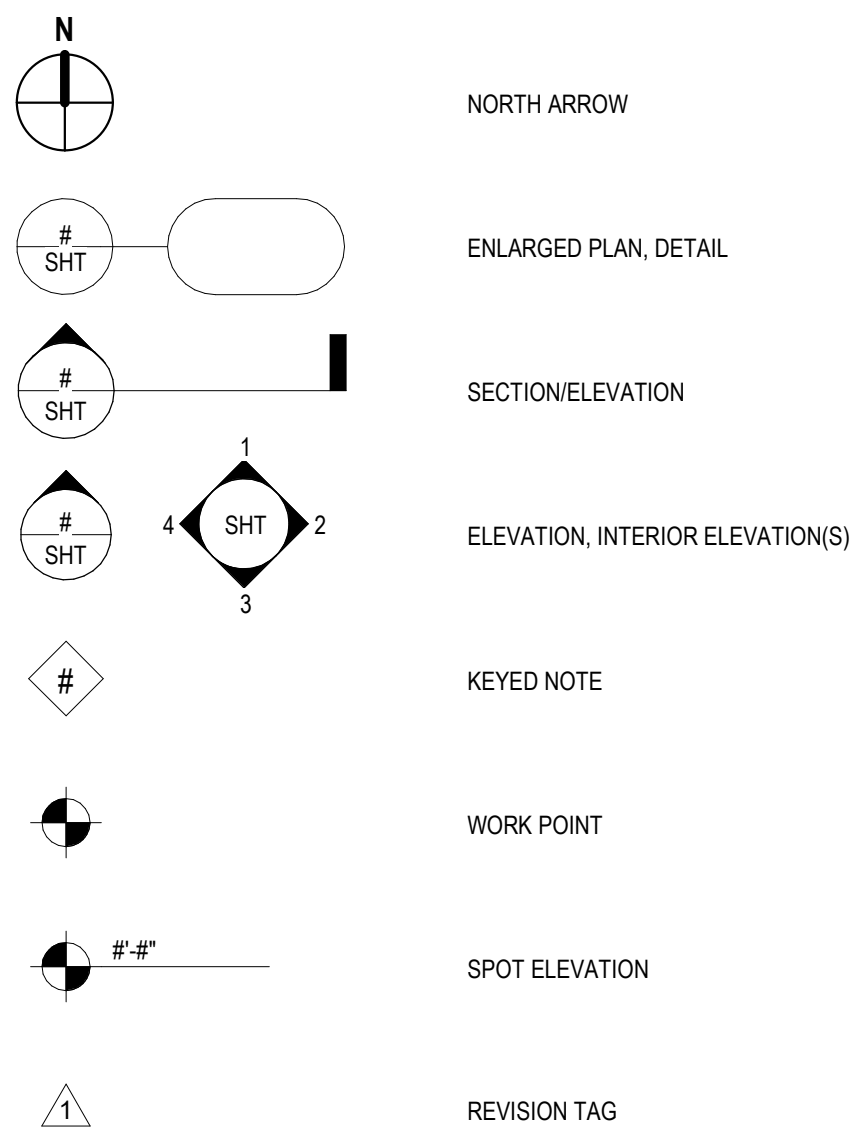
A	AND
@	AT
ACC	ACCESSIBLE
ADJ	ADJUSTABLE, ADJACENT
AFB	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
ALT	ALTERNATE
ALUM	ALUMINUM
ARCH	ARCHITECT/ARCHITECTURAL
AW	ARCHITECTURAL WOODWORK (SEE ARCH)
B	
BAL	BALANCE
BNG	BEDDING
BKG	BACKING
BUD	BUILDING
BLKG	BLOCKING
BO	BOTTOM
BOT	BOTTOM
BRKT	BRACKET
BSC	BIOLOGICAL SAFETY CABINET
BSL#	BIOLOGICAL SAFETY LEVEL (NUMBER)
C	
C-	CHANNEL-(SIZE)
CAB	CABINET(S)
CAV	CONSTANT AIR VOLUME
CER	CONTROLLED ENVIRONMENT ROOM
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CFCI	CONTRACTOR FURNISHED, OWNER INSTALLED
CH	CANOPY HOOD
CHEM	CHEMICAL / CHEMISTRY
CL	CENTER LINE
CLG	CEILING
CLOS	CLOSURE
CLR	CLEAR
COL	COLUMN
COMP	COMPUTER
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CS	CUP SINK
CSWK	CASEWORK
CTR	COUNTER
CTRL	CONTROLLED
CYL	CYLINDER
D	
DEG	DEGREE
DET	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DIV	DIVISION
DN	DOWN
DWG	DRAWING(S)
E	
E	EAST
EA	EACH
EL	ELEVATION
ELEC	ELECTRICAL
EMER	EMERGENCY
ENGR	ENGINEER
ENVR	ENVIRONMENTAL
EP	ELECTRICAL PANEL (SEE ELECTRICAL)
EQ	EQUIPMENT
EQUIP	EQUIPMENT
EST	ESTIMATED
EXH	EXHAUST
EXIST	EXISTING
EXT	EXTERIOR
F	
F	FILLER (VERIFY WIDTH)
FW	FILLER, (NUMBER) INCH WIDE
FB	FIRE BLANKET (SEE DIV 10 SECTION)
FD	FLOOR DRAIN (SEE PLUMBING)
FE	FIRE EXTINGUISHER/BACKET (SEE DIV 10 SECTION)
FEC	FIRE EXTINGUISHER CABINET (SEE DIV 10 SECTION)
FH	FUME HOOD
FLAM	FLAMMABLE
FLR	FLOOR
FMH	FLOOR MOUNT FUME HOOD
FRZ	FREEZER
FT	FOOT/FEET
FUT	FUTURE
G	
GA	GAUGE
GALV	GALVANIZED
GL	GLASS
GT	GROUT
GYP BD	GYPSUM BOARD
H	
H	HIGH/HEIGHT
HAZ	HAZARDOUS
HB	HOSE BIBB (SEE PLUMBING)
HDW	HARDWARE
HORIZ	HORIZONTAL
HT	HEIGHT
HVY	HEAVY
I	
ID	INSIDE DIAMETER
IN	INCHES
INC	INCUBATOR
INSUL	INSULATION
INT	INTERIOR
ISO	ISOLATION
J	
JT	JOINT
K	
KS	KNEE SPACE

L	
L-	ANGLE-(SIZE)
L	LENGTH
LAB	LABORATORY
LAM	LAMINATE
LBS	POUNDS
LEV	LOCAL EXHAUST VENT
LIQ	LIQUID
LKR	LOCKER (SEE DIV 10 SECTION)
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LN	LIQUID NITROGEN
LT	LAB TABLE
M	
MATL	MATERIAL
MAX	MAXIMUM
MC	MOBILE CART
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MKR BD	MARKER BOARD (SEE DIV 10 SECTION)
MNTD	MOUNTED
MTC	MOUNTING
MTL	METAL
MW	MOVEABLE WORKSTATION
N	
N	NORTH
NA	NOT APPLICABLE
NEG	NEGATIVE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
O	
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OWNER FURNISHED, CONTRACTOR INSTALLED
OF	OWNER FURNISHED, OWNER INSTALLED
OH	OVERHEAD
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OSC	OVERHEAD SERVICE CARRIER
P	
PE	POLYETHYLENE
PHEN	PHENOLIC
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
POS	POSITIVE
PP	POLYPROPYLENE
PROJ SCRN	PROJECTION SCREEN (SEE DIV 11 SECTION)
PTD	PAPER TOWEL DISPENSER (SEE DIV 10 SECTION)
PTH	PASS THROUGH FUME HOOD
PTN	PARTITION
Q	
QTY	QUANTITY
R	
R-	RADIUS (DIMENSION)
RAD	RADIUS
RCP	REFLECTED CEILING PLAN (SEE ARCHITECTURAL)
RE	REFER TO
REC	RECESSED
REF	REFRIGERATOR
REQ	REQUIRED
REQS	REQUIREMENTS
REV	REVISION
RH	RELATIVE HUMIDITY
RM	ROOM
S	
S	SOUTH
SBSTR	SUBSTRATE
SCF	SLOTTED CHANNEL FRAMING (SEE DIV 05 SECTION)
SD	SOAP DISPENSER (SEE DIV 10 SECTION)
SHR	SHOWER
SHT	SHEET
SHV	SHELF/SHELVING
SIM	SIMILAR
SK	SINK
SP	SPACE(S)
SO	SQUARE
SPEC	SPECIFICATION
SS	SAFETY SHOWER / SAFETY STATION
SSM	SOLID SURFACE MATERIAL
SST	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURE/STRUCTURAL
T	
T	THICKNESS
TEMP	TEMPERATURE
TFH	TEACHING FUME HOOD
THK	THICKNESS
THRU	THROUGH
TK BD	TACK BOARD (SEE DIV 10 SECTION)
TO	TOP OF
TR	TROUGH
TS#	TUBE STEEL-(SIZE)
TYP	TYPICAL
U	
UC	UNDER-COUNTER, UNDER CABINET
UCL	UNDER-CABINET LIGHT
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTL	UTILITY
V	
VAR	VARIES
VAV	VARIABLE AIR VOLUME
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VOL	VOLUME
W	
W	WEST
W	WIDE/WIDTH
W	WITH
WO	WITHOUT
WO	WOOD
WT	WEIGHT
WW	WIREWAY (SEE ELECTRICAL)

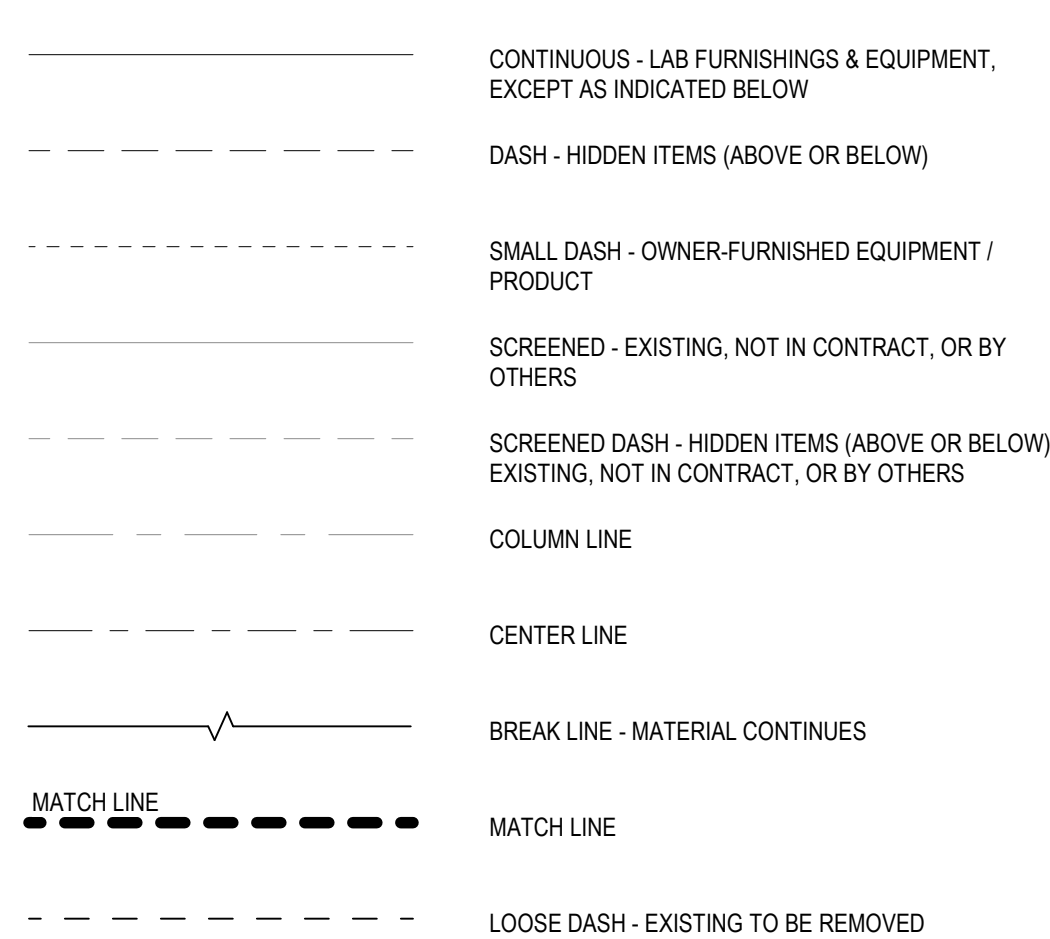
LABORATORY SERVICE ABBREVIATIONS

AIR	
A	AIR (LAB)
AP	AIR, PERSONNEL (BREATHING)
ZA	ZERO AIR
ELECTRICAL AND DATA	
D	DATA
E	ELECTRICAL
MECHANICAL	
EXH	EXHAUST
NATURAL GAS	
G	GAS
OTHER PIPED SERVICES	
S	STEAM
V	VACUUM
PURIFIED WATER	
DI	DEIONIZED WATER
DW	DISTILLED WATER
PW	PURE WATER
RO	REVERSE OSMOSIS WATER
SAFETY	
DH	DRENCH HOSE
EW	EYE WASH
SS	SAFETY SHOWER / SAFETY STATION
SPECIAL GAS	
AR	ARGON
CO2	CARBON DIOXIDE
H	HYDROGEN
HE	HELIUM
N	NITROGEN
O2	OXYGEN
SG-	SPECIAL GAS-(CHEMICAL SYMBOL)
WATER	
CW	COLD WATER
HW	HOT WATER
H/C	HOT & COLD WATER
PCW-	PROCESS/CHILLED WATER (R-RETURN, S-SUPPLY)
PR	PRE-RINSE

REFERENCE SYMBOLS LEGEND



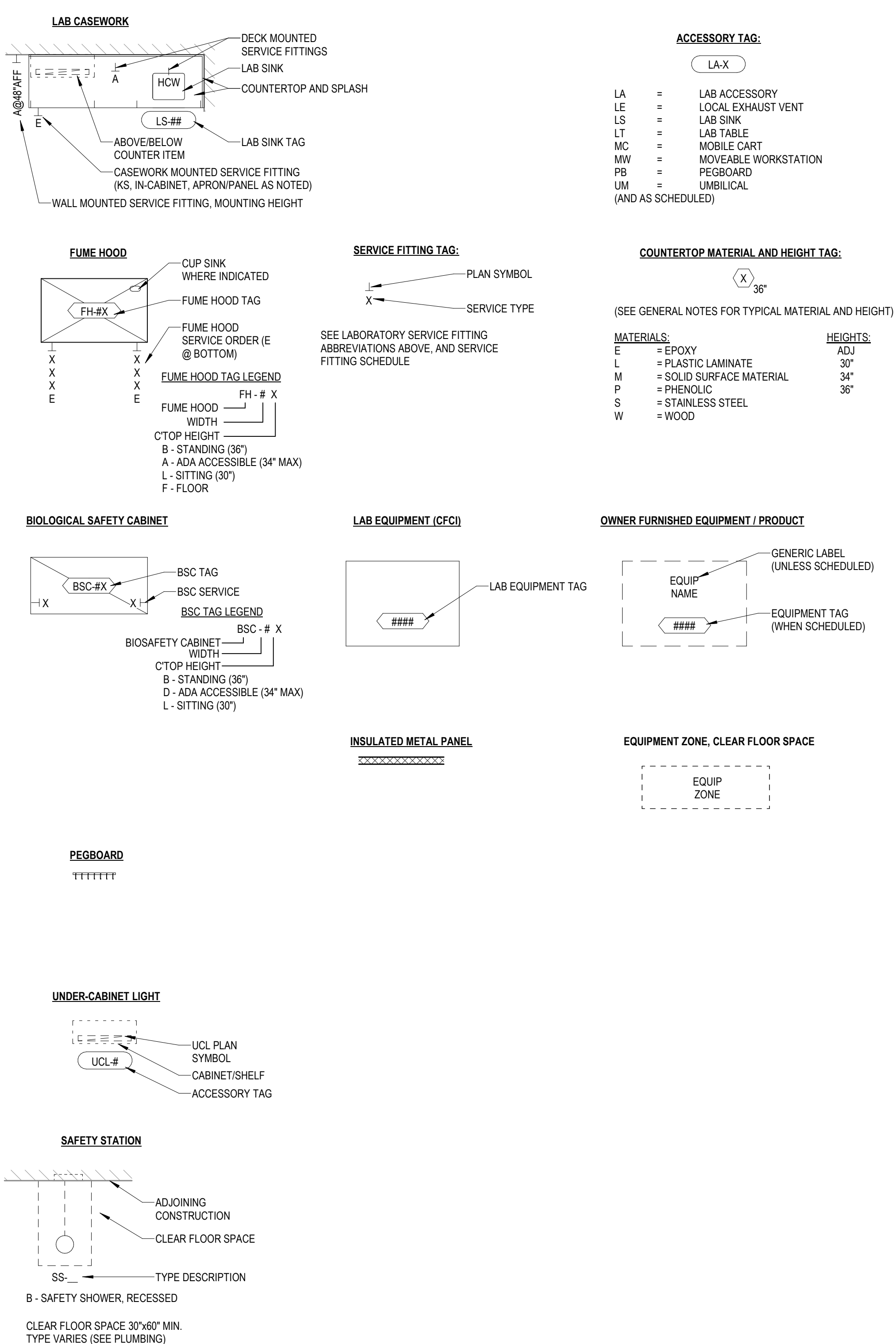
LINE TYPE LEGEND



LABORATORY FURNISHING AND EQUIPMENT GENERAL NOTES

- DO NOT SCALE DRAWINGS. USE DIMENSIONS. DIMENSIONS NOTED "AS REQUIRED", "VERIFY", "VERIFY IN FIELD", "MATCH EXISTING", OR OTHER SIMILAR TERMS ARE TO BE VERIFIED BY THE CONTRACTOR. NOTIFY ARCHITECT OF DISCREPANCIES AND OBTAIN CLARIFICATION BEFORE PROCEEDING.
- CONDITIONS SHOWN ARE APPROXIMATE BASED ON INFORMATION FURNISHED. NOTIFY ARCHITECT OF DISCREPANCIES AND OBTAIN CLARIFICATION BEFORE PROCEEDING.
- LAB CASEWORK AT LAB PERIMETER WALLS SHALL BE PLASTIC LAMINATE CLAD CASEWORK, UNO. CASEWORK UNDER FUME HOODS SHALL BE METAL, UNO. ADJUSTABLE SHELVING SHALL BE METAL, UNO. MOVEABLE CASEWORK AND WORKSTATIONS SHALL BE METAL, UNO. SEE QLO12 FOR MORE INFORMATION ON MOVEABLE CASEWORK.
- LAB COUNTER TOPS SHALL BE 1" THICK PHENOLIC, UNO.
- LAB COUNTER TOP HEIGHT SHALL BE 36" UNO.
- REFER TO SHEET QLO-030 FOR OTHER LAB CASEWORK GENERAL NOTES.
- ALTERNATE NO. 1A: AUTOCLAVE, GLASSWARE WASH ROOM #119A
- ALTERNATE NO. 1B: COLD ROOM COOLER EQUIPMENT, ROOM #119
- ALTERNATE NO. 2A: COMPLETE LOOSE LAB CASEWORK
- ALTERNATE NO. 2B: LOOSE LAB CASEWORK - ALA CARTE
- ALTERNATE NO. 3: TEACHING LAB #209- FELTWORKS ACOUSTICAL CEILING PANELS

LABORATORY PLAN SYMBOLS LEGEND



LABORATORY FURNISHINGS AND EQUIPMENT KEYED NOTES

SHOWN	X	
		ELECTRICAL/DATA RACEWAY - SEE ELEC
		EQUIPMENT SHOWN IN SUPPORT ROOMS ARE EXAMPLES ONLY
		CANOPY HOODS - SEE MECH
		SAFETY SHOWER - SEE PLUMBING
		TEACHING LAB TABLES - SEE ARCH
		FAN COIL UNIT - SEE MECH

LABORATORY FURNISHINGS & EQUIPMENT DRAWING LIST

QLO01	Abbreviations, Legends, And Notes
QLO10	Schedules - Sinks and Service Fittings
QLO11	Schedules - Fume Hoods and Laboratory Accessories
QLO12	Moveable Casework - Details
QLO30	Lab Casework Types, Legends, And Notes
QLO31	First Floor Laboratory Plan
QLO32	Second Floor Laboratory Plan
QLO33	Third Floor Laboratory Plan
QLO311	First Floor Enlarged Lab Plan - Area A, West
QLO312	First Floor Enlarged Lab Plan - Area A, East
QLO313	First Floor Enlarged Lab Plan - Area A, Autoclave Alternate
QLO321	Second Floor Enlarged Lab Plan - Area A, West
QLO322	Second Floor Enlarged Teaching Lab Plan - Area A, East
QLO323	Second Floor Enlarged Lab Plan - Area B
QLO331	Third Floor Enlarged Lab Plan - Area A, East
QLO501	Laboratory Interior Elevations
QLO502	Laboratory Interior Elevations
QLO503	Laboratory Interior Elevations
QLO501	Laboratory Casework Details

Project Number: 20240023

Indiana University VanNuys Med Sci Building Lab Renovation

635 Barnhill Dr, Indianapolis, IN 46202

PROJECT NO.	DATE
8097.02	05-22-2026
REV.	DATE

SET DESCRIPTION

Bid Set

SHEET TITLE

Abbreviations, Legends,
And Notes

SHEET NUMBER

QL001



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260.432.9337

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Indianapolis, IN 46204
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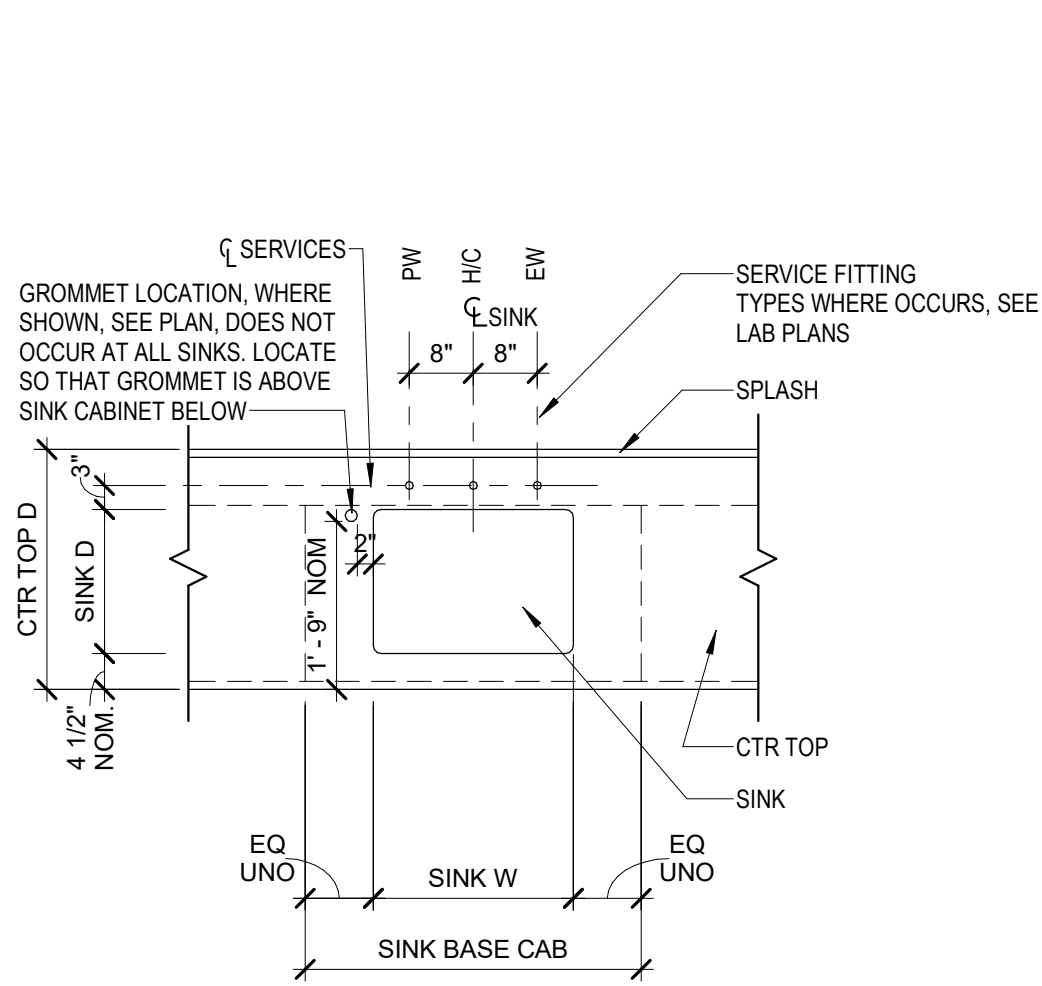
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HERA laboratory planners

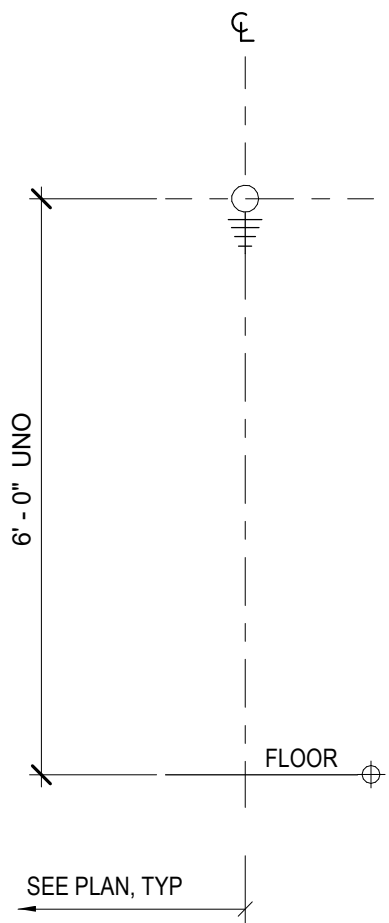
609 E. Lockwood Ave., Suite
204, St. Louis, MO 63119
314.289.9202



Carlos Perez-Rubio



3 SERVICE FITTINGS - PLAN @ LAB SINKS
1/2" = 1'-0"



5 SERVICE FITTINGS - WALL MOUNTED LOCATIONS
1/2" = 1'-0"

LABORATORY SINK SCHEDULE							
TAG	SPECIFICATION SECTION	SINK TYPE (COMPARTMENT)	NOMINAL COMPARTMENT SIZE (INCHES)			MATERIAL	MOUNTING
			W	D	H		
LS-01	12 35 53	SINGLE	25	15	10	EPOXY	DROP-IN
LS-02	12 35 53	SINGLE	25	15	5	EPOXY	DROP-IN
LS-31	12 35 53	CUP SINK	6	3	4	EPOXY	DROP-IN

LAB SINK SCHEDULE GENERAL NOTES:

- A. REFER TO DETAIL 3/QL010 FOR TYPICAL SINK SERVICE FITTING MOUNTING CONDITIONS.
B. EPOXY SINKS, PROVIDE WITH CORNER DRAIN.

LAB SINK SCHEDULE KEYED NOTES:

1. ACCESSIBLE SINK
2. TYPICAL AT FUME HOODS. SEE LAB PLAN FUME HOOD SYMBOL FOR POSITION WITHIN HOOD.
3. DROP-IN (PUSH MOUNT) AT COUNTERTOPS. DROP-IN (SURFACE MOUNT) AT FUME HOOD COUNTERTOPS.

NOTE - SCULLERY SINK INFORMATION IS SHOWN ON QL313

SERVICE FITTING SCHEDULE						
SERVICE TAG	SPECIFICATION SECTION	DESCRIPTION	MOUNTING	BASIS OF DESIGN		NOTES
				MANUFACTURER	MODEL NUMBER	
01 WATER SERVICE FITTING						
DI-1	12 35 53	LABORATORY PURE WATER FAUCET, POLYPROPYLENE LINED, DECK MOUNTED	BENCH	WATERSAVER	L7833MSC	--
DI-2	12 35 53	LABORATORY PURE WATER FAUCET, POLYPROPYLENE LINED, PANEL MOUNTED, MANUAL CONTROL	PANEL	WATERSAVER	L7840MSC	--
HC-1	12 35 53	LABORATORY MIXING FAUCET, DECK MOUNTED, 6" RIGID/SWING VACUUM BREAKER GOOSENECK, WRIST BLADE HANDLES	BENCH	WATERSAVER	L414VB-BH	FURNISH REMOVABLE SERRATED HOSE END
HC-2	12 35 53	LABORATORY MIXING FAUCET, PANEL MOUNTED, 6" RIGID/SWING VACUUM BREAKER GOOSENECK, MOUNTING SHANKS, WRIST BLADE HANDLES	PANEL	WATERSAVER	L514VB8H-WSA	FURNISH REMOVABLE SERRATED HOSE END
02 GAS SERVICE FITTING						
V-5	12 35 53	LABORATORY BALL VALVE, DOUBLE, WALL MOUNTED W/ FORGED LEVER HANDLE, THREADED ESCUTCHEON, AND REMOVABLE SERRATED HOSE END	WALL	WATERSAVER	L2870-141FT	--
03 DATA AND ELECTRIC						
E	12 35 53	120V DUPLEX RECEPTACLE, STAINLESS STEEL FACE PLATE	WALL	WATERSAVER	E2300WS-SA	--
04 SAFETY SERVICE FITTING						
DH-1	12 35 53	EYEWASH/DRENCH HOSE UNIT, DECK MOUNTED, WITH BACKFLOW PREVENTER AND HOSE GUIDE	BENCH	WATERSAVER	EW1022BP-HG	--
SS-F1	12 35 53	BARRIER-FREE EMERGENCY SHOWER, SEMI-CONCEALED, STAINLESS STEEL SHOWER HEAD, WITH POLISHED CHROME PLATED PIPE	CEILING	WATERSAVER	ESBF658POC	SEE 6/QL011 FOR MOUNTING HEIGHT AND OTHER DETAILS
CEILING SERVICE PANEL SERVICE FITTINGS						
A-33, V-33	12 35 53	1) KEYPED QUICK CONNECT (QC) BODY - PANEL MOUNTED IN SERVICE PANEL (INLET TYPE AS REQ'D); 2) COLOR CODED REINFORCED PVC HOSE AND SWIVEL ENDS W/ QC PLUG FITTINGS EACH END	CEILING SERVICE PANEL	WATERSAVER	1) QC BODY - QCFL-B-3x-K# 2) HOSE - HPV3-XXX-3x-# W/ QC PLUGS - QCDB-3-x-K# NOTE # CORRESPONDS TO THE COLOR, COORDINATE VAC AND AIR COLOR WITH OWNER	COORDINATE QC BODY INLET TYPE REQ'D WITH MECHANICAL / PLUMBING SERVICE. COORDINATE HOSE PLUG END FITTING W/ MOVEABLE WORKSTATION PRE-PIPE QC BODY
FUME HOOD REMOTE CONTROL AND ELECTRICAL SERVICE FITTINGS						
A-51, V-51, SP1-51, SP2-51	12 35 53	REMOTE CONTROL NEEDLE VALVE, PANEL MOUNT (FRONT ACCESS); PANEL MOUNTED 45-DEG REMOVABLE SERRATED HOSE END AND MOUNTING SHANK	FUME HOOD	WATERSAVER	L740N-LR	COORDINATE FITTING TYPE/MODEL NO. WITH FUME HOOD CONSTRUCTION (STRAIGHT OR ANGLE FACE).
A-52, V-52, SP1-52, SP2-52	12 35 53	REMOTE CONTROL (LEFT/RIGHT) BALL VALVE, ANGLE PATTERN WITH GUIDE PLATE AND ROD, AND FORGED LEVER HANDLE; PANEL MOUNTED 45-DEG REMOVABLE SERRATED HOSE END AND MOUNTING SHANK	FUME HOOD	WATERSAVER	L4285V(LR)B-LR	VALVE MOUNTING IN FUME HOOD SIDE WALL, LEFT/RIGHT. COORDINATE FITTING TYPE/MODEL NO. WITH FUME HOOD CONSTRUCTION (STRAIGHT OR ANGLE FACE).
CW-51	12 35 53	REMOTE CONTROL WATER VALVE, PANEL MOUNTED (FRONT ACCESS); PANEL MOUNTED RIGID/SWING GOOSENECK WITH VACUUM BREAKER, MOUNTING SHANK, AND REMOVABLE SERRATED HOSE END	FUME HOOD	WATERSAVER	L740W-9RSVB	COORDINATE FITTING TYPE/MODEL NO. WITH FUME HOOD CONSTRUCTION (STRAIGHT OR ANGLE FACE).
CW-52	12 35 53	REMOTE CONTROL WATER VALVE (LEFT/RIGHT), ANGLE PATTERN WITH GUIDE PLATE, ROD AND FORGED LEVER HANDLE; PANEL MOUNTED RIGID/SWING GOOSENECK WITH MOUNTING SHANK, REMOVABLE SERRATED HOSE END AND REMOTE VACUUM BREAKER WITH MOUNTING SHANK.	FUME HOOD	WATERSAVER	L4285V(LR)B-9RSVB	VALVE MOUNTING IN FUME HOOD SIDE WALL, LEFT/RIGHT. COORDINATE FITTING TYPE/MODEL NO. WITH FUME HOOD CONSTRUCTION (STRAIGHT OR ANGLE FACE).
E	---	120V DUPLEX RECEPTACLE, GFCI, STAINLESS STEEL FACE PLATE	FUME HOOD	-	---	PER FUME HOOD MFR.

NOTE - SERVICE FIXTURES FOR THE MOBILE WORKSTATIONS ARE SHOWN ON QL012



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Project Number: 20240023
**Indiana University VanNuys Med
Sci Building Lab Renovation**

635 Barnhill Dr, Indianapolis, IN 46202

PROJECT NO. 8097.02 | DATE 05-22-2026
REV. | DATE

SET DESCRIPTION

Bid Set

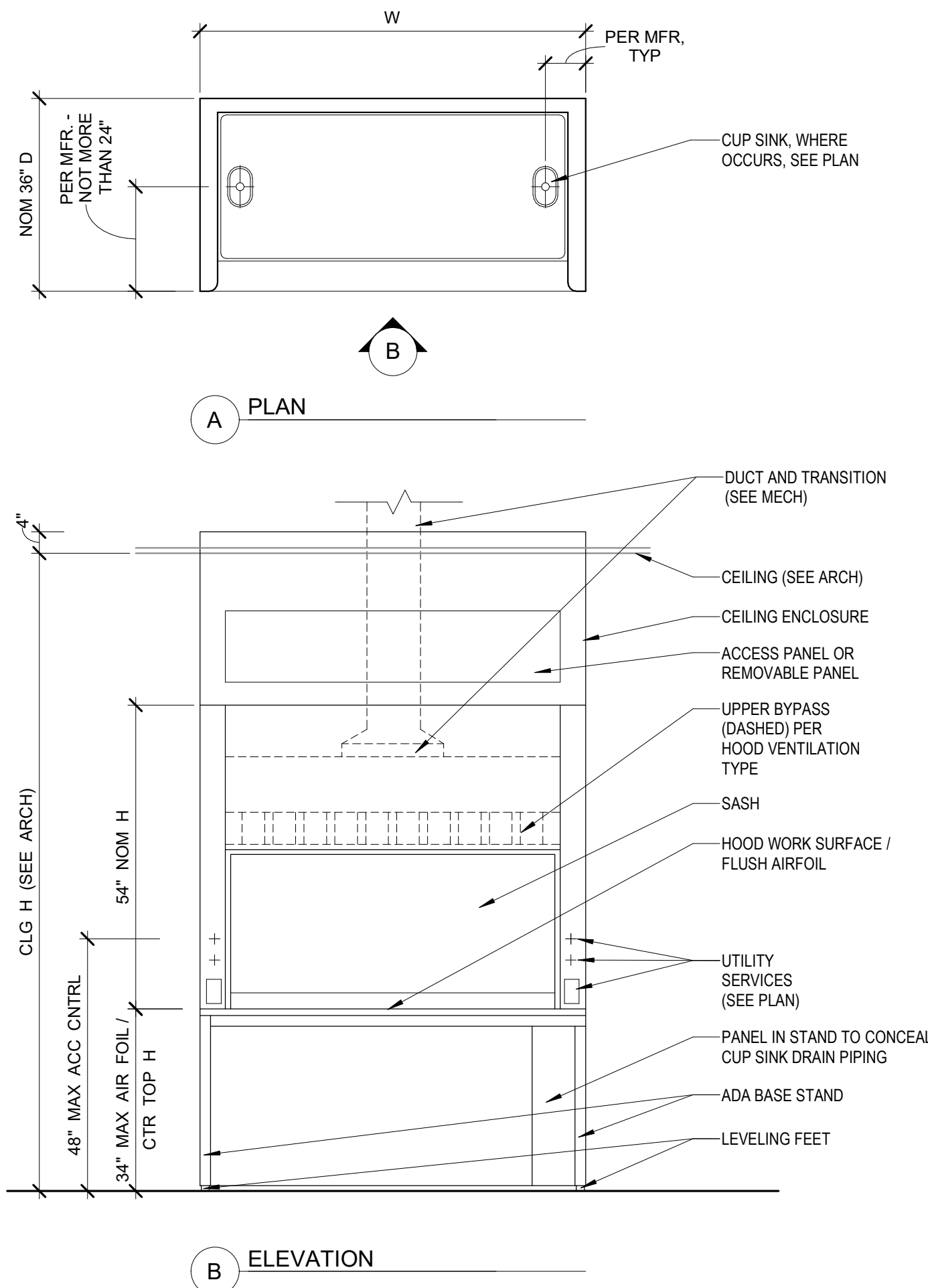
SHEET TITLE

Schedules - Sinks and
Service Fittings

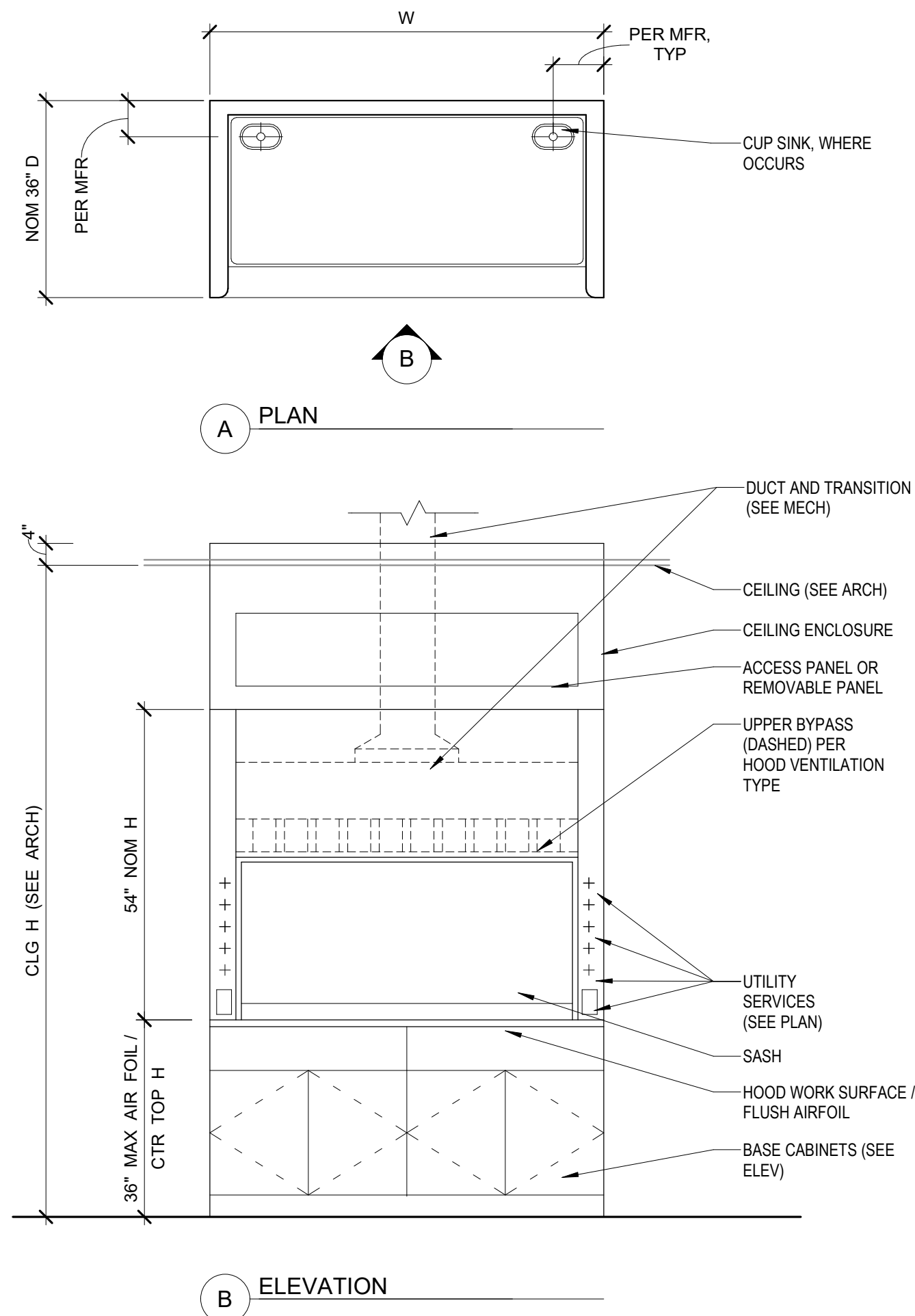
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QL010

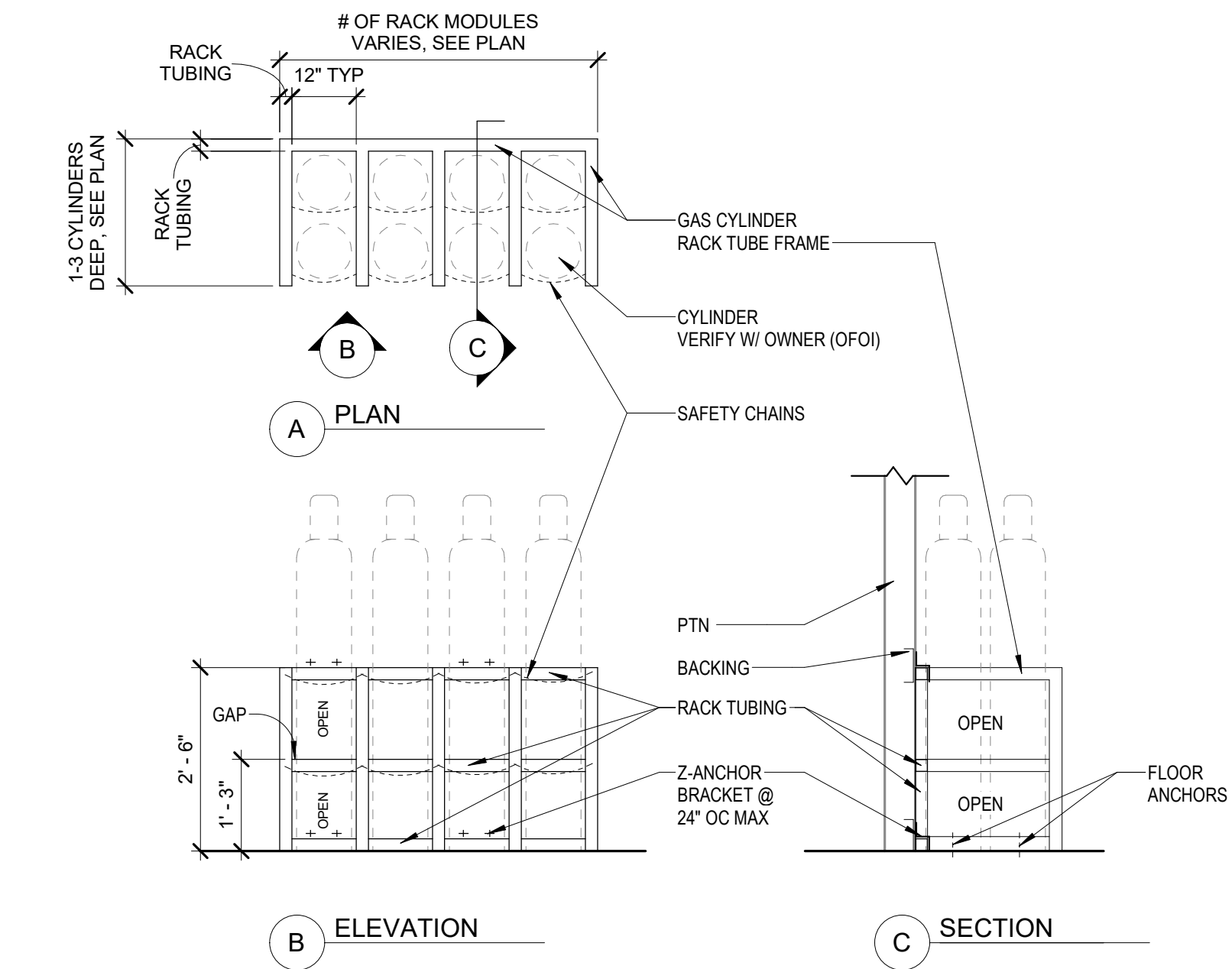
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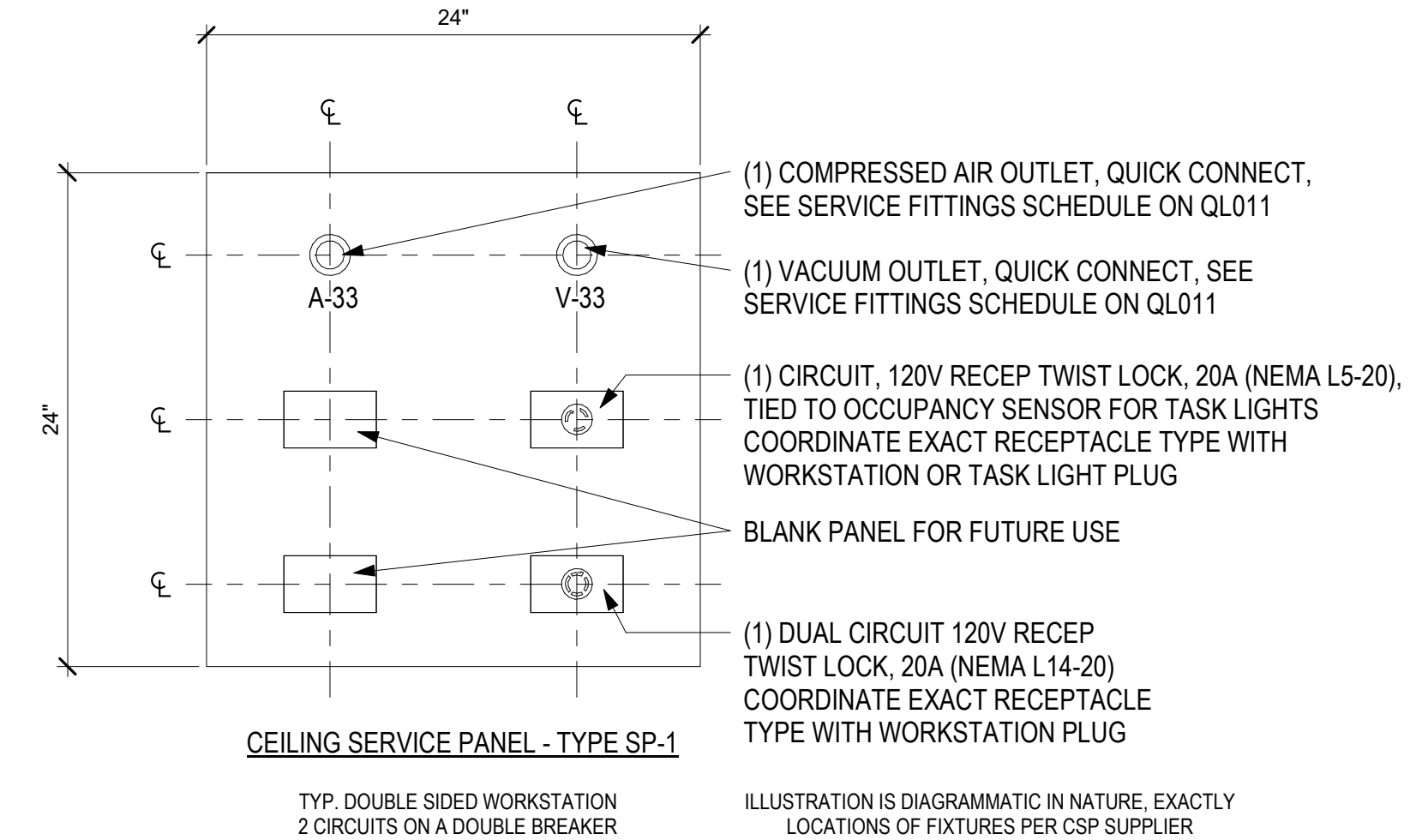
1 FUME HOOD - TYPE D - ACCESSIBLE GENERAL PURPOSE
1/2" = 1'-0"



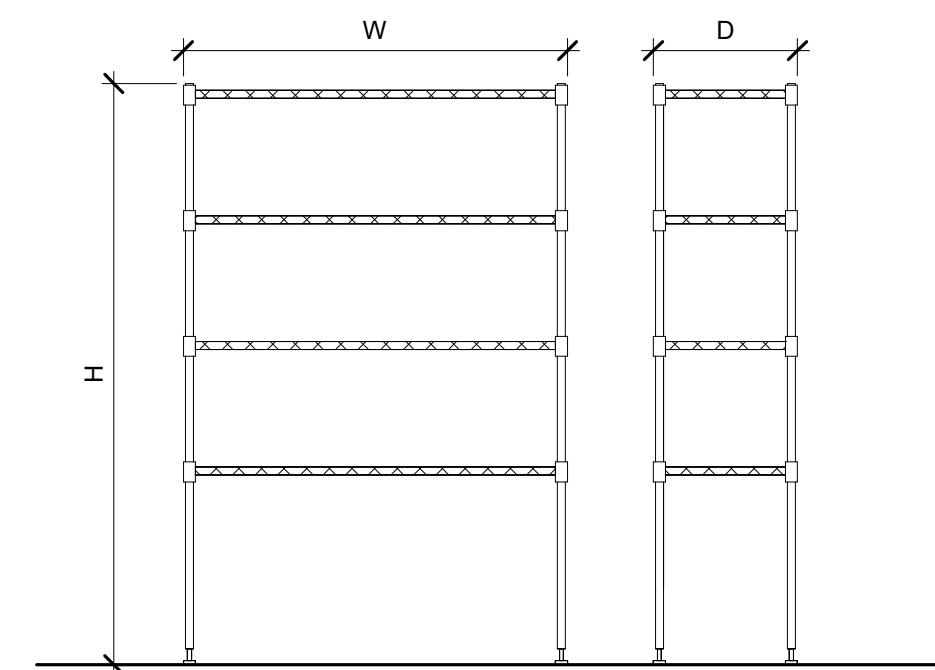
2 FUME HOOD - TYPE B - GENERAL PURPOSE
1/2" = 1'-0"



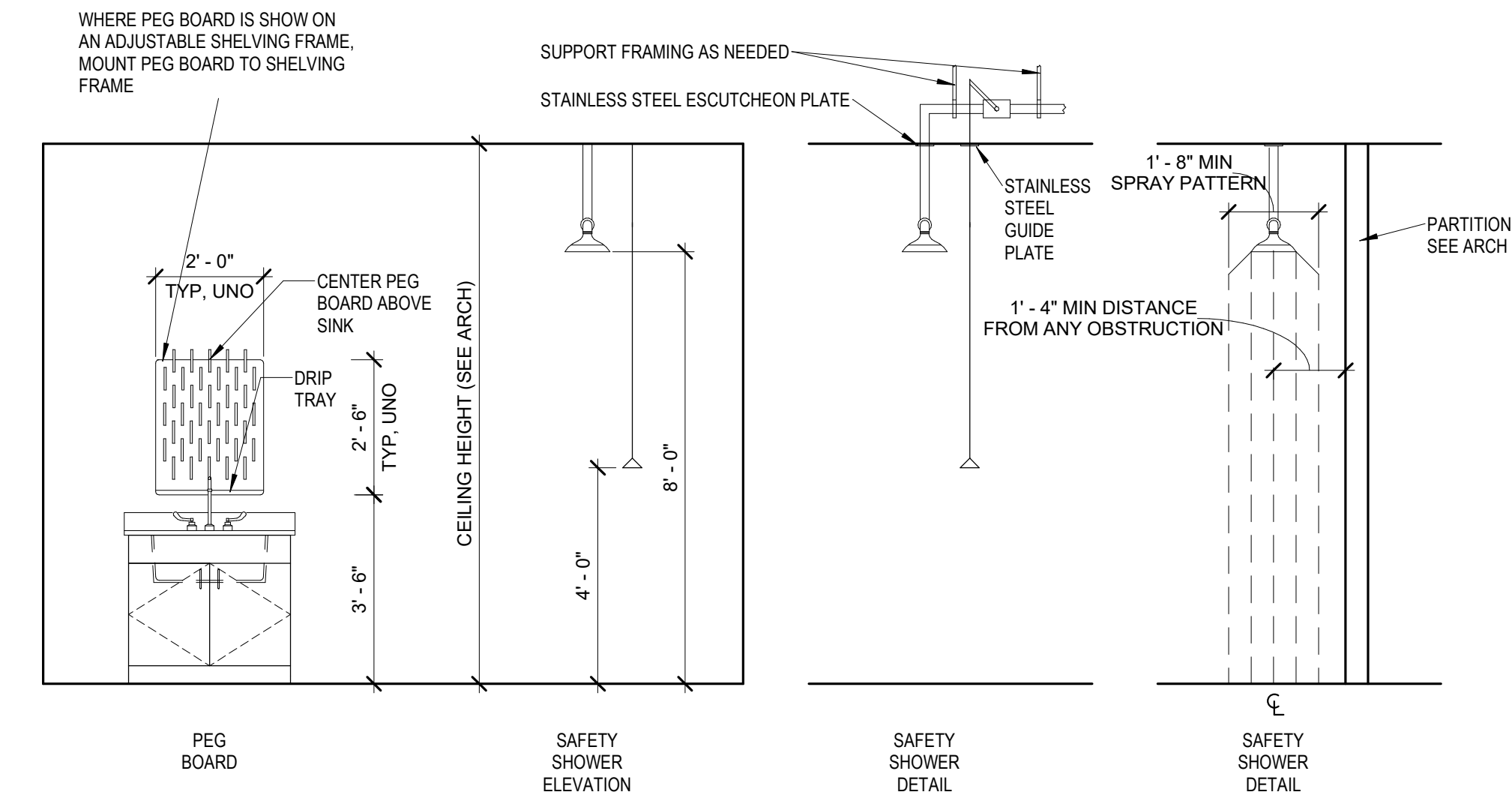
3 GAS CYLINDER RACK
1/2" = 1'-0"



4 CEILING SERVICE PANEL SP-1 DETAIL
1 1/2" = 1'-0"



5 WIRE SHELVING UNITS
1/2" = 1'-0"



6 TYPICAL MOUNTING HEIGHTS AND SAFETY SHOWER DETAILS
3/8" = 1'-0"

LABORATORY FUME HOOD SCHEDULE								
TAG	SPECIFICATION SECTION	TYPE	VENTILATION	SASH TYPE	WORK SURFACE MATERIAL	WORK SURFACE HEIGHT (INCHES)	DETAIL	NOTES
PH-6A	11 53 13	GENERAL PURPOSE, BENCH TYPE, ADA	VAV	VERTICAL	EPOXY	34	1 / QL011	1, 2, 3, 4
PH-6B	11 53 13	GENERAL PURPOSE, BENCH TYPE	VAV	VERTICAL	EPOXY	36	2 / QL011	

FUME HOOD SCHEDULE GENERAL NOTES:	
A.	REFER TO LAB PLAN TAG FOR UNIT WIDTH (#=FEET).
B.	FUME HOOD DEPTH NOMINAL 36" UNO.
C.	SEE MECHANICAL FOR EXHAUST CONNECTION, INCLUDING DUCT.
D.	SEE PLUMBING AND ELECTRICAL FOR UTILITY SERVICES.
E.	FUME HOOD WORK SURFACE SHALL BE 1-1/4" THICK EPOXY RESIN W/ RAISED (MARINE) EDGE, UNO.
F.	COLOR OF WORKSURFACE AND HOOD EXTERIOR SHALL MATCH 12 35 53 COLOR SELECTION.
FUME HOOD SCHEDULE KEYED NOTES:	
1.	THE COMBINATION OF BASE STAND, WORK SURFACE, AND AIR FOIL AT ACCESSIBLE FUME HOODS SHALL NOT EXCEED 34" TO TOP OF WORK SURFACE OR AIR FOIL, WHICHEVER IS HIGHER.
2.	ACCESSIBLE FUME HOOD MAXIMUM VERTICAL REACH TO OPERATING CONTROLS SHALL NOT EXCEED 48" AFF, MAXIMUM HORIZONTAL REACH TO SERVICE OUTLET SHALL NOT EXCEED 24" FROM FRONT OF HOOD.
3.	LEAST ONE SERVICE FIXTURE OF EACH TYPE MUST BE WITHIN ACCESSIBLE REACH RANGE, INCLUDING AN ELECTRICAL OUTLET AND LIGHT SWITCH AND CONTROLS.
4.	PROVIDE W/ ADA BASE STAND

LABORATORY ACCESSORIES SCHEDULE						
TAG	SPECIFICATION SECTION	DESCRIPTION	NOMINAL UNIT SIZE (IN)			DETAIL
			W	D	H	
LA-DG	12 35 53	FLIP-TOP 1 1/2" HOLE DESK GROMMET	1 1/2"	0"	0"	3 / QL010
LA-P	12 35 53	PEG BOARD - TYPE A	24"	1"	30"	6 / QL011
LA-R1	12 40 53	2 CYLINDERS (1X2) - BARRICADE - GAS CYLINDER RACK	16"	26"	30"	WIDTH LISTED IS APPROXIMATE, VERIFY CYLINDER SIZE WITH USER BEFORE SELECTING RACK 3 / QL011
LA-R2	12 40 53	4 CYLINDERS (2X2) - BARRICADE - GAS CYLINDER RACK	30"	26"	30"	WIDTH LISTED IS APPROXIMATE, VERIFY CYLINDER SIZE WITH USER BEFORE SELECTING RACK 3 / QL011
SP-1	12 40 53	CEILING SERVICE PANEL	24"	24"	1/2"	4 / QL011
UCLA	12 35 53	UNDER-CABINET LIGHT - TYPE A	<varies>	4"	1"	1 / QL901
WS-1	12 40 53	WIRE SHELVING UNIT	48"	24"	86"	SEE NOTE A 5 / QL011
WS-2	12 40 53	WIRE SHELVING UNIT	60"	18"	86"	SEE NOTE A 5 / QL011

LABORATORY ACCESSORY SCHEDULE GENERAL NOTE:	
A.	WS-1 AND WS-2, WIRE SHELVING UNITS, ARE ONLY INCLUDED IN THE PROJECT IF ALTERNATE 1B IS ACCEPTED, SEE QL313



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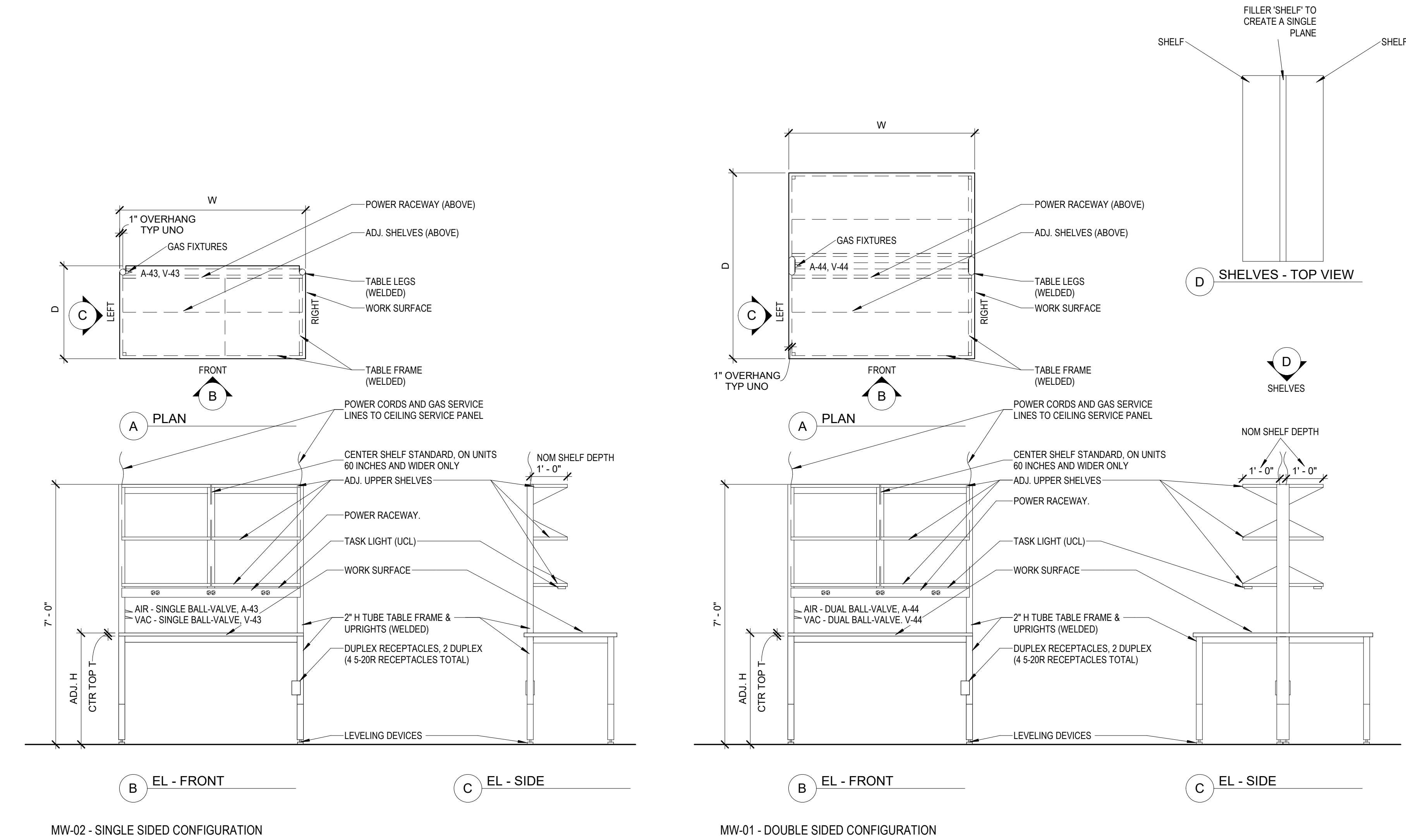
PROJECT NO. 8097.02	DATE 05-22-2026
REV.	DATE

SET DESCRIPTION
Bid Set

SHEET TITLE
Schedules - Fume
Hoods and Laboratory
Accessories
SHEET NUMBER

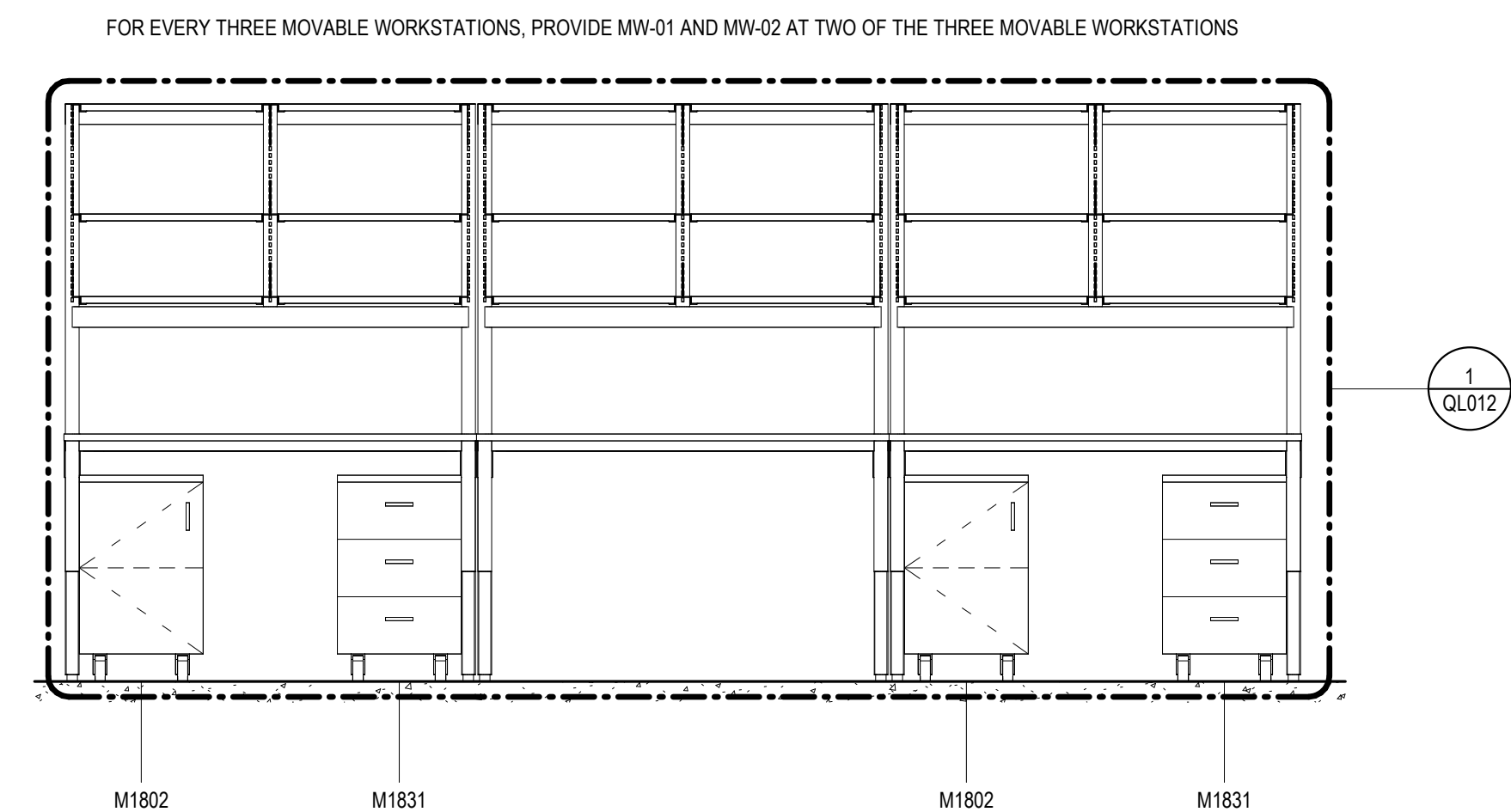
QL011

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1 DETAIL - MOVEABLE WORKSTATIONS
1/2" = 1'-0"

2 MOBILE WORKSTATION W MOBILE CABINETS BELOW
1/2" = 1'-0"



NOTE - ALL ITEMS ON THIS SHEET ARE PART OF ALTERNATE NO. 2A AND 2B

LABORATORY MOVEABLE WORKSTATION SCHEDULE												
ROOM NUM	COUNT	TAG	WORK SURFACE (INCHES)			FRAME HEIGHT (INCHES)	FRAME MATERIAL	WORK SURFACE MATERIAL	SHELVING MATERIAL	FRAME TYPE	DETAIL	NOTES
			W	D	H							
106	9	MW-01	60	60	36	84	METAL	PHENOLIC	METAL	A1	1 / QL012	1, 2, 3
108	9	MW-01	60	60	36	84	METAL	PHENOLIC	METAL	A1	1 / QL012	1, 2, 3
110	9	MW-01	60	60	36	84	METAL	PHENOLIC	METAL	A1	1 / QL012	1, 2, 3
112	9	MW-01	60	60	36	84	METAL	PHENOLIC	METAL	A1	1 / QL012	1, 2, 3
207	12	MW-01	60	60	36	84	METAL	PHENOLIC	METAL	A1	1 / QL012	1, 2, 3
311	9	MW-01	60	60	36	84	METAL	PHENOLIC	METAL	A1	1 / QL012	1, 2, 3
312	15	MW-01	60	60	36	84	METAL	PHENOLIC	METAL	A1	1 / QL012	1, 2, 3
2001	11	MW-01	60	60	36	84	METAL	PHENOLIC	METAL	A1	1 / QL012	1, 2, 3
2001	3	MW-02	60	30	36	84	METAL	PHENOLIC	METAL	A1	1 / QL012	1, 2, 3

MOVEABLE WORKSTATION SCHEDULE GENERAL NOTES:

A. ADJUSTABLE HEIGHT WORK SURFACE TYPICAL. SET-UP HEIGHT AS LISTED UNLESS INSTRUCTED DIFFERENTLY BY THE USERS.
B. ADJUSTABLE SHELVES SHALL BE METAL SHELVES AND END BRACKETS, UNO.
C. WIDTH AND DEPTH LISTED INCLUDES WORKSURFACE

MOVEABLE WORKSTATION SERVICES

ALL SERVICES FEED FROM CEILING SERVICE PANEL ABOVE, SEE 4IQL011
ELECTRICAL POWER
COMPRESSED AIR
VACUUM

MOVEABLE WORKSTATION FRAME TYPE LEGEND

A1 - STANDARD DUTY CART, FULL HEIGHT

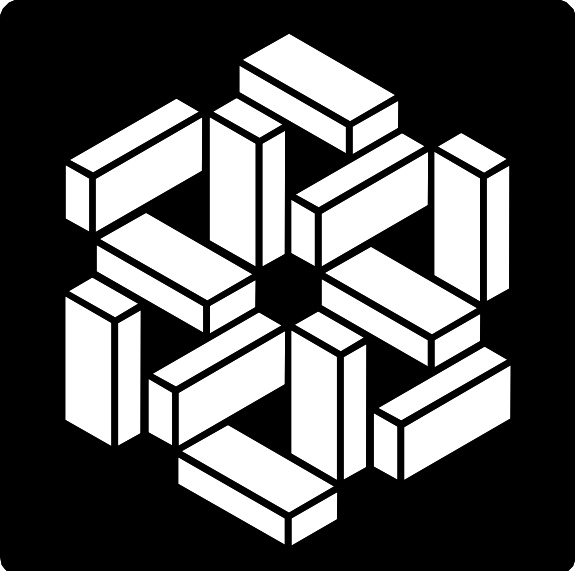
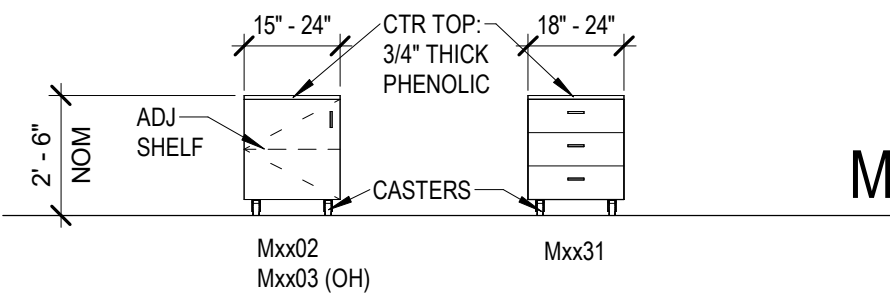
MOVEABLE WORKSTATION NOTES

1. PROVIDE WITH STATIONARY LEVELING DEVICES, GUIDES OR SIMILAR
2. TASK LIGHTS NEED TO BE PLUGGED TO A SPECIFIC RECEPTACLE, AND THAT RECEPTACLE NEEDS TO HAVE A SEPARATE PLUG RUNNING FROM THE TOP OF THE TABLE. THIS PLUG IS PLUGGED INTO THE RECEPTACLE ON THE CEILING SERVICE PANEL, WHICH IS TIED TO THE OCCUPANCY SENSOR - SEE QL011 FOR CEILING SERVICE PANEL DETAIL
3. PROVIDE QUICK CONNECT FITTINGS ON TOP OF WORKSTATION UPRIGHTS WHICH CAN RECEIVE THE QUICK CONNECT HOSES CALLED OUT ON THE SERVICE FITTING SCHEDULE ON QL010 FOR VACUUM AND COMPRESSED AIR TO RUN SERVICES TO THE FIXTURES ON THE UPRIGHTS

MOBILE WORKSTATION SERVICE FITTINGS						
SERVICE TAG	SPECIFICATION SECTION	DESCRIPTION	MOUNTING	BOD MFR	BOD MODEL NO	NOTE
A-43, V-43	12 35 53	SINGLE LABORATORY BALL VALVE, PANEL MOUNTED	MOBILE WORK STATION	WATERSAVER	L4200-158WSA	COORDINATE FITTING TYPE/MODEL NO. WITH MOBILE WORKSTATION REQUIREMENTS
A-44, V-44	12 35 53	DUAL LABORATORY BALL VALVE, PANEL MOUNTED	MOBILE WORK STATION	WATERSAVER	L4200-141WSA	COORDINATE FITTING TYPE/MODEL NO. WITH MOBILE WORKSTATION REQUIREMENTS

LABORATORY MOBILE CABINET SCHEDULE						
ROOM NUM.	TAG	COUNT	WIDTH	DEPTH	HEIGHT	NOTES
106	M1802	12	1'-6"	1'-10"	2'-5"	ROLLING CABINET WITH DOOR
106	M1831	12	1'-6"	1'-10"	2'-5"	ROLLING CABINET WITH DRAWERS
108	M1802	12	1'-6"	1'-10"	2'-5"	ROLLING CABINET WITH DOOR
108	M1831	12	1'-6"	1'-10"	2'-5"	ROLLING CABINET WITH DRAWERS
110	M1802	12	1'-6"	1'-10"	2'-5"	ROLLING CABINET WITH DOOR
110	M1831	12	1'-6"	1'-10"	2'-5"	ROLLING CABINET WITH DRAWERS
112	M1802	12	1'-6"	1'-10"	2'-5"	ROLLING CABINET WITH DOOR
112	M1831	12	1'-6"	1'-10"	2'-5"	ROLLING CABINET WITH DRAWERS
207	M1802	16	1'-6"	1'-10"	2'-5"	ROLLING CABINET WITH DOOR
207	M1831	16	1'-6"	1'-10"	2'-5"	ROLLING CABINET WITH DRAWERS
311	M1802	12	1'-6"	1'-10"	2'-5"	ROLLING CABINET WITH DOOR
311	M1831	12	1'-6"	1'-10"	2'-5"	ROLLING CABINET WITH DRAWERS
312	M1802	20	1'-6"	1'-10"	2'-5"	ROLLING CABINET WITH DOOR
312	M1831	20	1'-6"	1'-10"	2'-5"	ROLLING CABINET WITH DRAWERS
2001	M1802	15	1'-6"	1'-10"	2'-5"	ROLLING CABINET WITH DOOR
2001	M1831	15	1'-6"	1'-10"	2'-5"	ROLLING CABINET WITH DRAWERS

CASEWORK LEGEND - MOBILE CABINETS ONLY
SEE QL030 FOR CASEWORK LEGEND GENERAL NOTES



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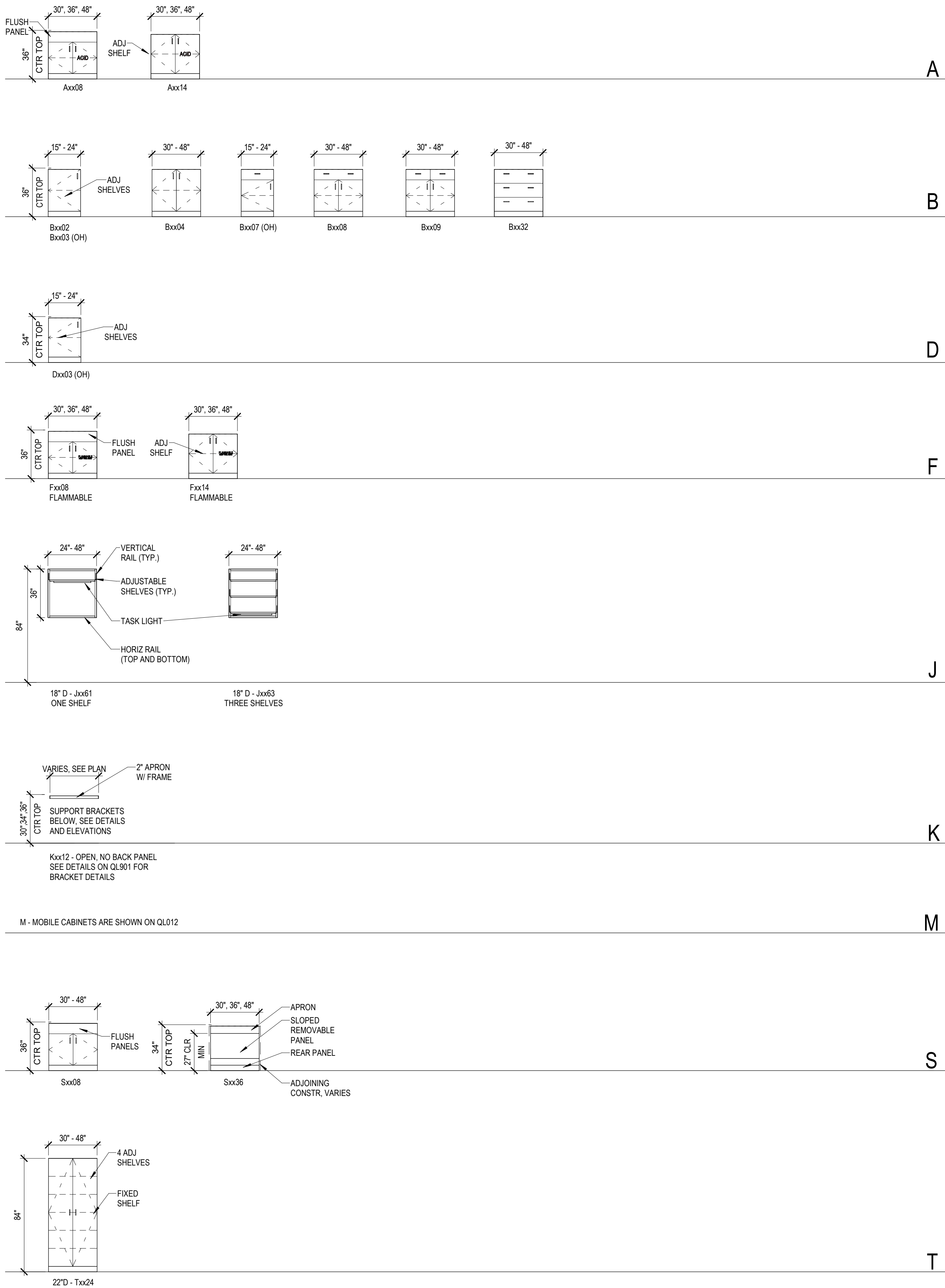
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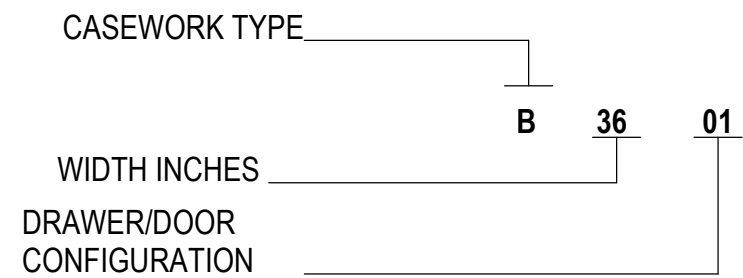
SHEET TITLE
Moveable Casework -
Details

SHEET NUMBER

QL012



CASEWORK LEGEND

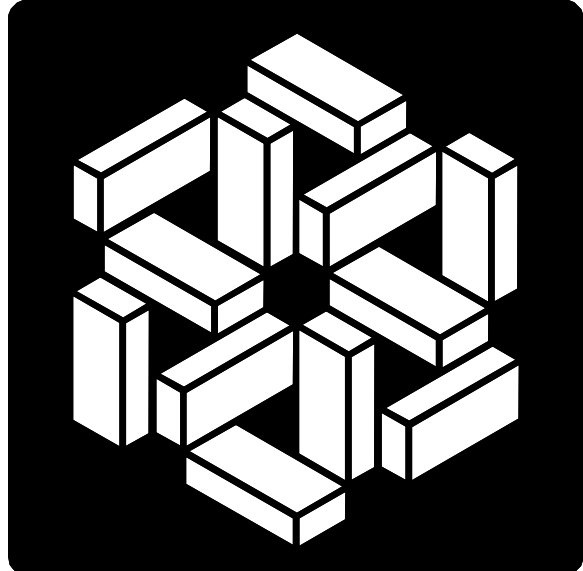


CASEWORK TYPES

TAG	DESCRIPTION	DETAIL
A	CORROSIVES STORAGE CABINET (ACIDS, BASES)	2/QL901
B	STANDING HEIGHT BASE CABINET - 36"	1/QL901
C	NOT USED	
D	ACCESSIBLE HEIGHT BASE CABINET - 34"	1/QL901
E	NOT USED	
F	FLAMMABLE / HAZARDOUS STORAGE CABINET	3/QL901
H	NOT USED	
J	ADJUSTABLE SHELVING SYSTEMS	7/QL901
K	KNEE SPACES	4, 5, AND 6 /QL901
L	NOT USED	
M	MOBILE CARTS	SEE QL012
Q	NOT USED	
S	SINK BASE CABINET	8/QL901
T	TALL CABINET	9/QL901
U	NOT USED	
V	NOT USED	
W	NOT USED	
Z	NOT USED	
MC	MOBILE CART/WORKSTATION	SEE QL012

CASEWORK GENERAL NOTES

- A. NOT ALL CASEWORK TYPES ARE USED. REFER TO LABORATORY DRAWINGS.
- B. LAB CASEWORK SHALL BE MODULAR, IN 2" INCREMENTS FOR UNITS UP TO 30" WIDE, 6" INCREMENTS FOR UNITS 30" TO 48" WIDE.
- C. LAB CASEWORK BELOW FUME HOODS SHALL BE METAL LAB CASEWORK, UNO.
- D. OVERALL COUNTERTOP LENGTH IS DETERMINED BY WIDTH OF CABINETS, FILLERS, OVERHANGS, AND/OR DIMENSIONS INDICATED. OVERALL DIMENSIONS SHALL GOVERN REGARDLESS OF MANUFACTURER'S STANDARD DIMENSIONS.
- E. COUNTERTOPS SHALL OVERHANG BASE CABINETS 1" NOMINAL AT FRONT AND AT EXPOSED ENDS OF CABINETS, UNO. FRONT OVERHANG IS TO FACE OF CABINET DOOR REGARDLESS OF CABINET STYLE. WHEN OVERALL DIMENSIONS ARE INDICATED, THE OVERHANG IS INCLUDED.
- F. AT WALL-TO-WALL CONDITIONS WITH OPEN KNEE SPACE DIMENSION (K-4#), DIMENSION SHALL BE DETERMINED IN THE FIELD. WHERE MORE THAN ONE OPEN KNEE SPACE DIMENSION OCCURS, THE SPACE AVAILABLE SHALL BE EVENLY DISTRIBUTED.
- G. PROVIDE FILLERS TO CLOSE SPACE BETWEEN CABINETS, FUME HOODS, AND ADJOINING CONSTRUCTION. AT WALL-TO-WALL CONDITIONS, VERIFY FILLER SPACE IN FIELD. SPACE SHALL BE EVENLY DISTRIBUTED. PROVIDE NOMINAL 3" WIDE FILLER AT PERPENDICULAR WALL CONDITIONS, UNO. PROVIDE 1" WALL FILLER BETWEEN TALL CABINETS AND THE ADJOINING BASE/UPPERWALL CABINET.
- H. COUNTERTOP HEIGHT IS NOMINAL, BASED ON LAB CASEWORK MANUFACTURER'S CABINET MODULE HEIGHT AND COUNTERTOP MATERIAL. (WITHIN 3/4" OF REFERENCED HEIGHT) WHERE 3/4" HEIGHT IS INDICATED, COUNTERTOP HEIGHT SHALL NOT EXCEED 34 1/4". AT KNEE SPACES WITH APRONS, CLEAR HEIGHT SHALL NOT BE LESS THAN 27".
- I. MAINTAIN OVERALL NOMINAL HEIGHT OF COUNTERTOPS. BEGIN CASEWORK INSTALLATION AT HIGH POINT OF FLOOR AT EACH BENCH WITH CABINET LEVELERS SCREWED IN AS FAR AS POSSIBLE.
- J. COUNTERTOP DEPTH AT WALL CONDITIONS SHALL BE 30" INCLUDING OVERHANG, UNO.
- K. FINISH EXPOSED-TO-VIEW COUNTERTOP EDGES, BACKS AND ENDS OF CURBS/SPLASHES.
- L. PROVIDE SEALANT AT JOINT BETWEEN BUILDING CONSTRUCTION, AND COUNTERTOPS/CURBS/SPLASHES.
- M. CASEWORK TYPE-A, CORROSIVES CABINETS (ACIDS AND BASES); METAL LAB CASEWORK, UNO. ACID STORAGE TYPICAL, UNO.
- N. CASEWORK TYPE-F, FLAMMABLE/HAZARDOUS MATERIAL CABINETS; METAL LAB CASEWORK, UNO.
- O. CASEWORK TYPE-J, ADJUSTABLE SHELVING SYSTEM. ADJUSTABLE SHELVES FOR WALL RAIL AND BENCHTOP UPRIGHT SHELVING UNITS SHALL BE METAL SHELVES AND SHELF EDGE RETAINING RODS, UNO.



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SET DESCRIPTION

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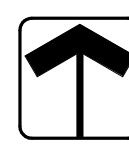
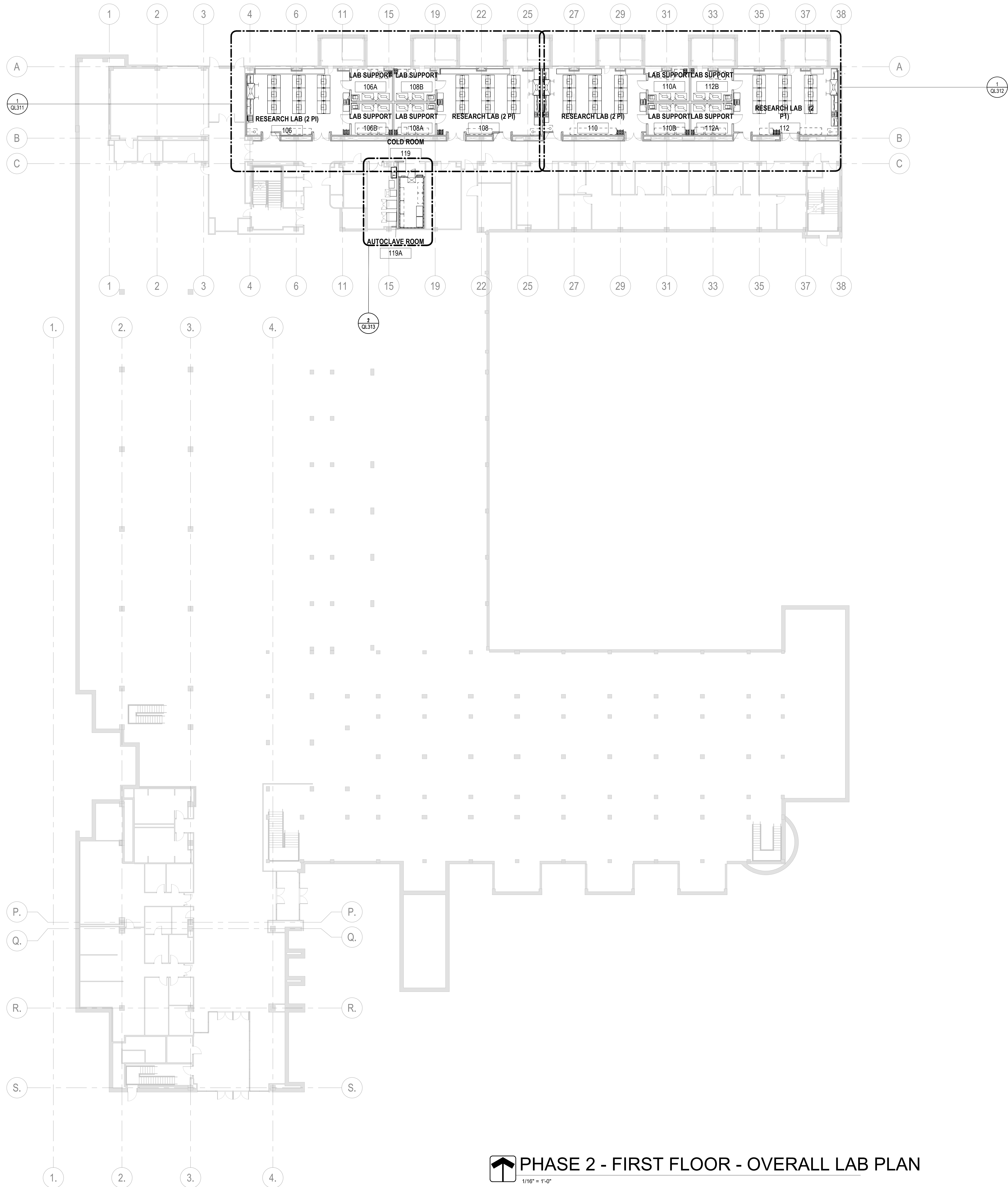
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Lab Casework Types,
Legends, And Notes

SHEET NUMBER

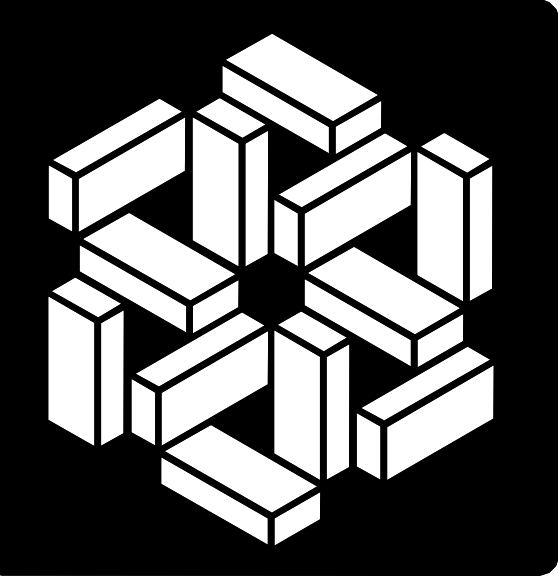
QL030

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PHASE 2 - FIRST FLOOR - OVERALL LAB PLAN

1/16" = 1'-0"



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Bid Set

SHEET TITLE
First Floor Laboratory
Plan

SHEET NUMBER

QL201



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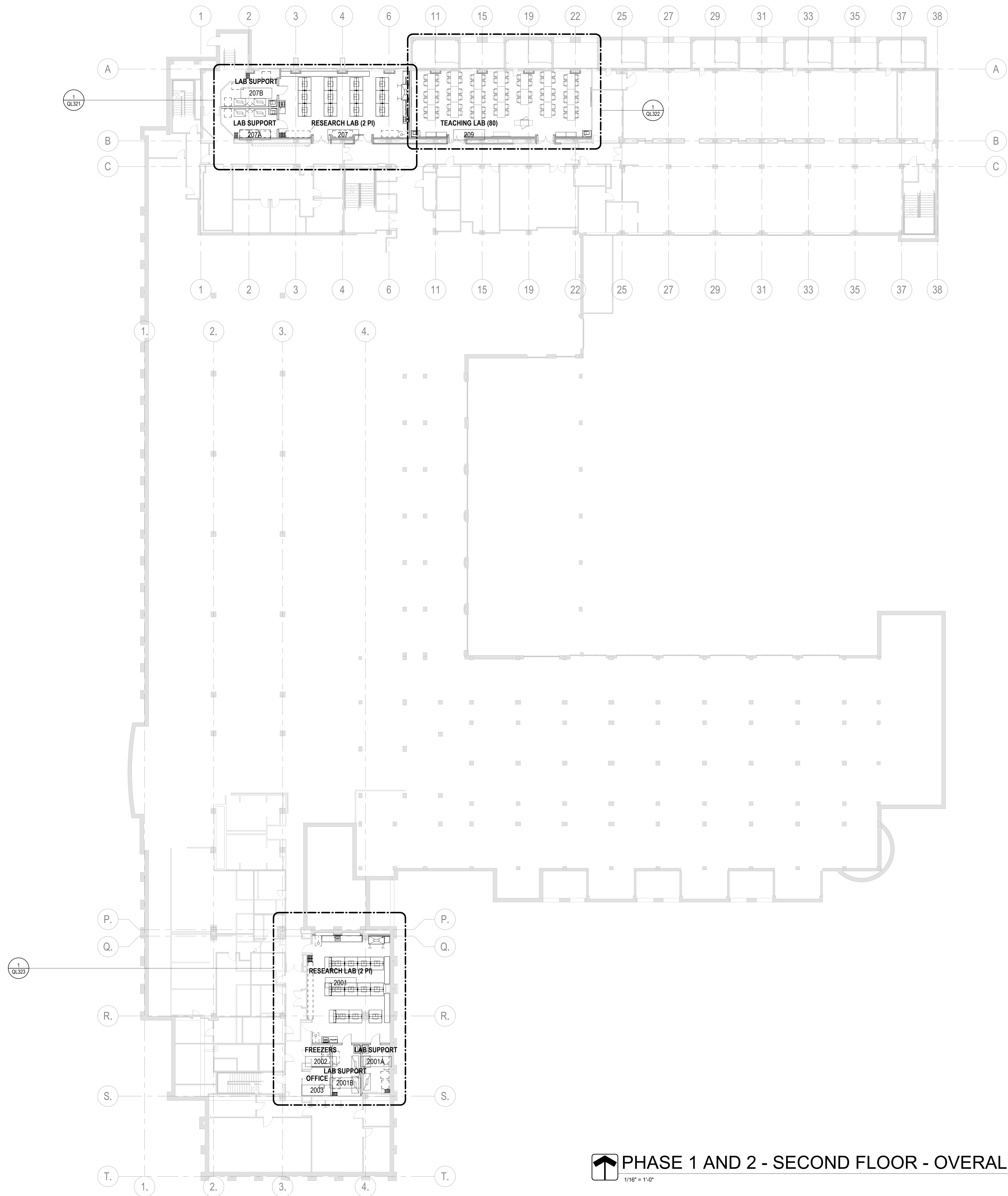
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SHEET TITLE

Second Floor Laboratory
Plan

SHEET NUMBER

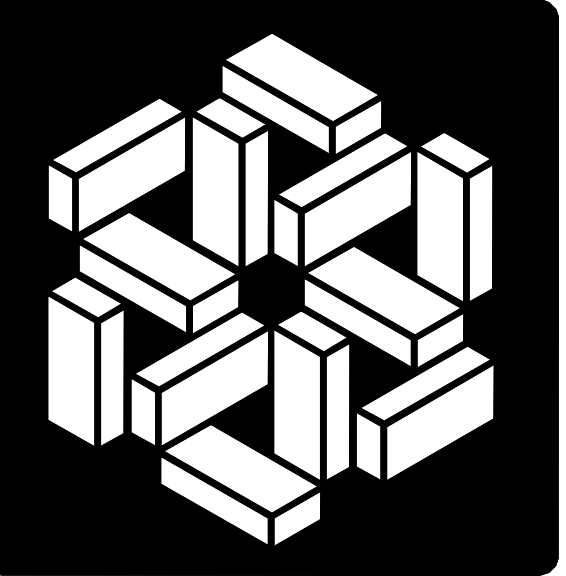
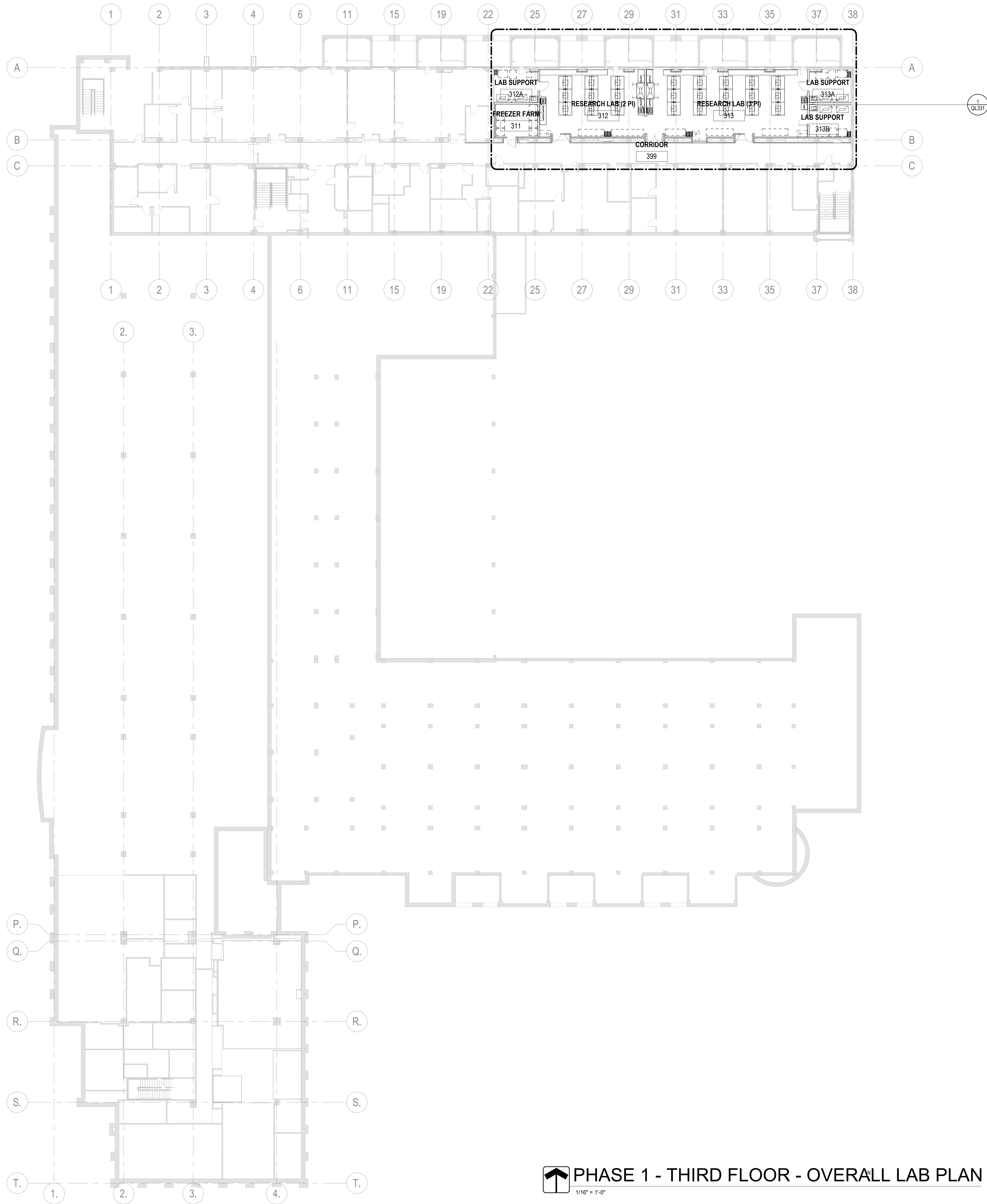
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 PHASE 1 AND 2 - SECOND FLOOR - OVERALL LAB PLAN

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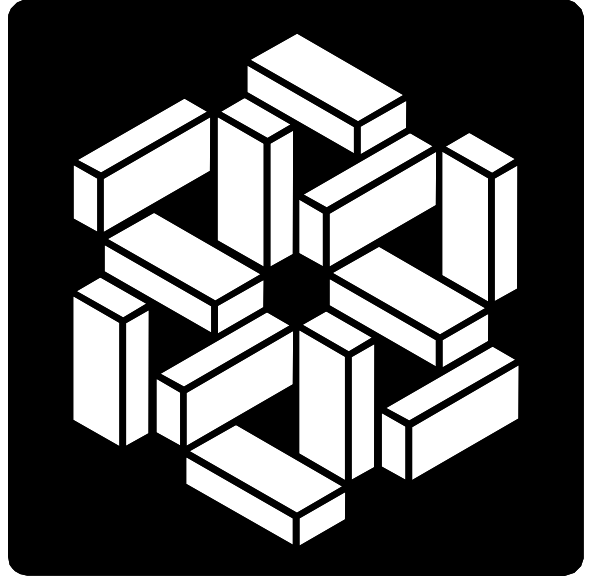
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SET DESCRIPTION
Bid Set

SHEET TITLE
Third Floor Laboratory
Plan

SHEET NUMBER

QL203



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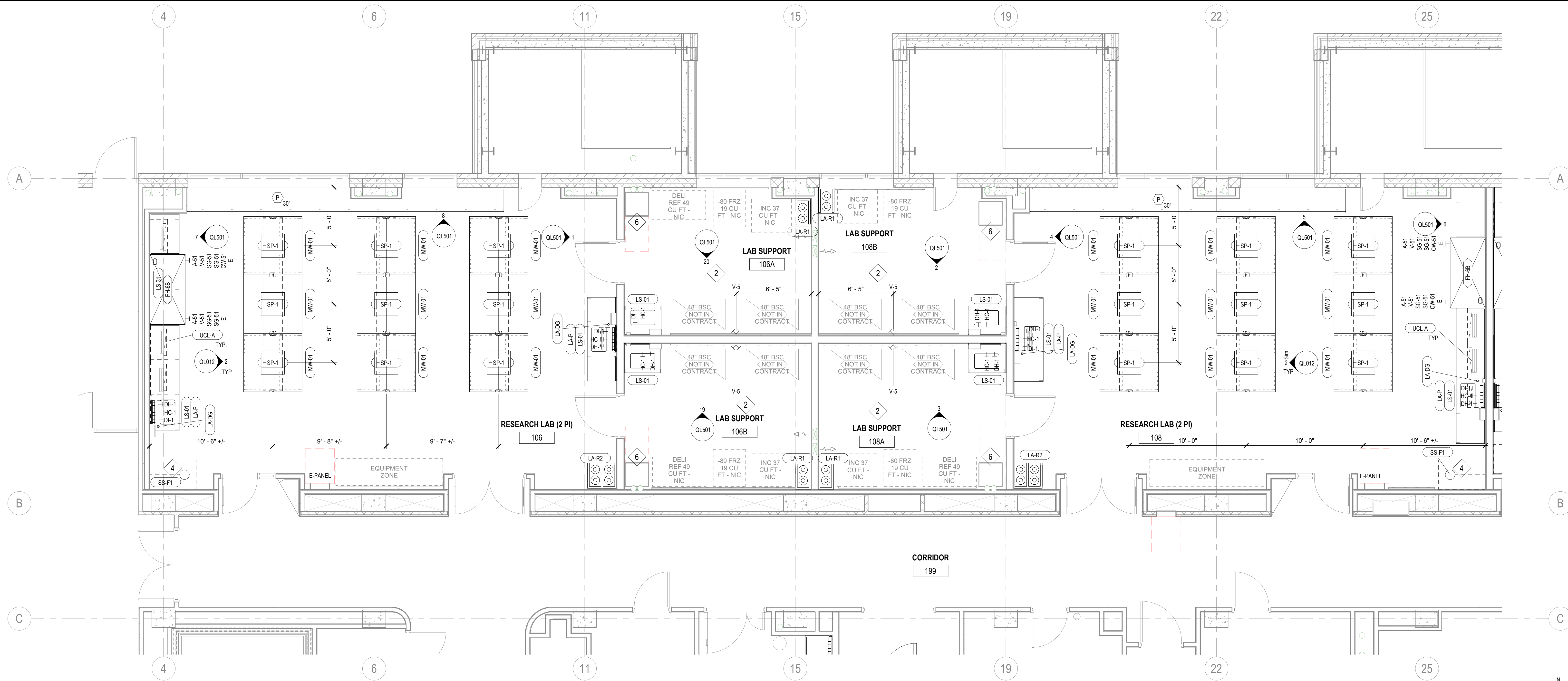
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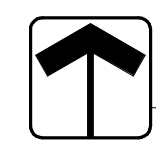
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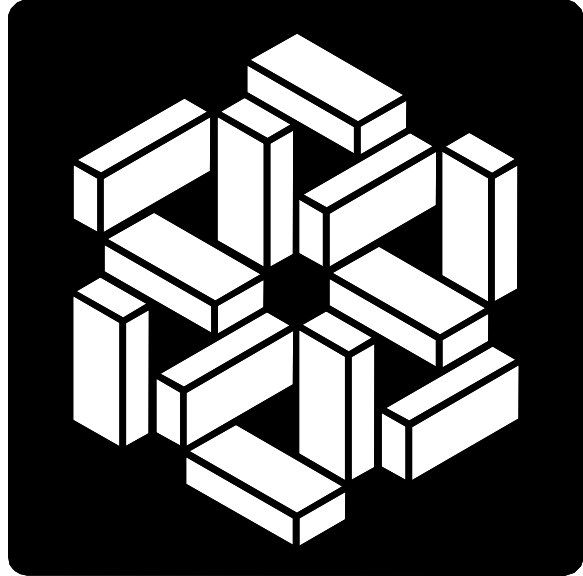
SHEET TITLE
First Floor Enlarged Lab Plan - Area A, West

SHEET NUMBER

QL311



 Phase 2 - First Floor Enlarged Lab Plan - Area A, West
1/4" = 1'-0"



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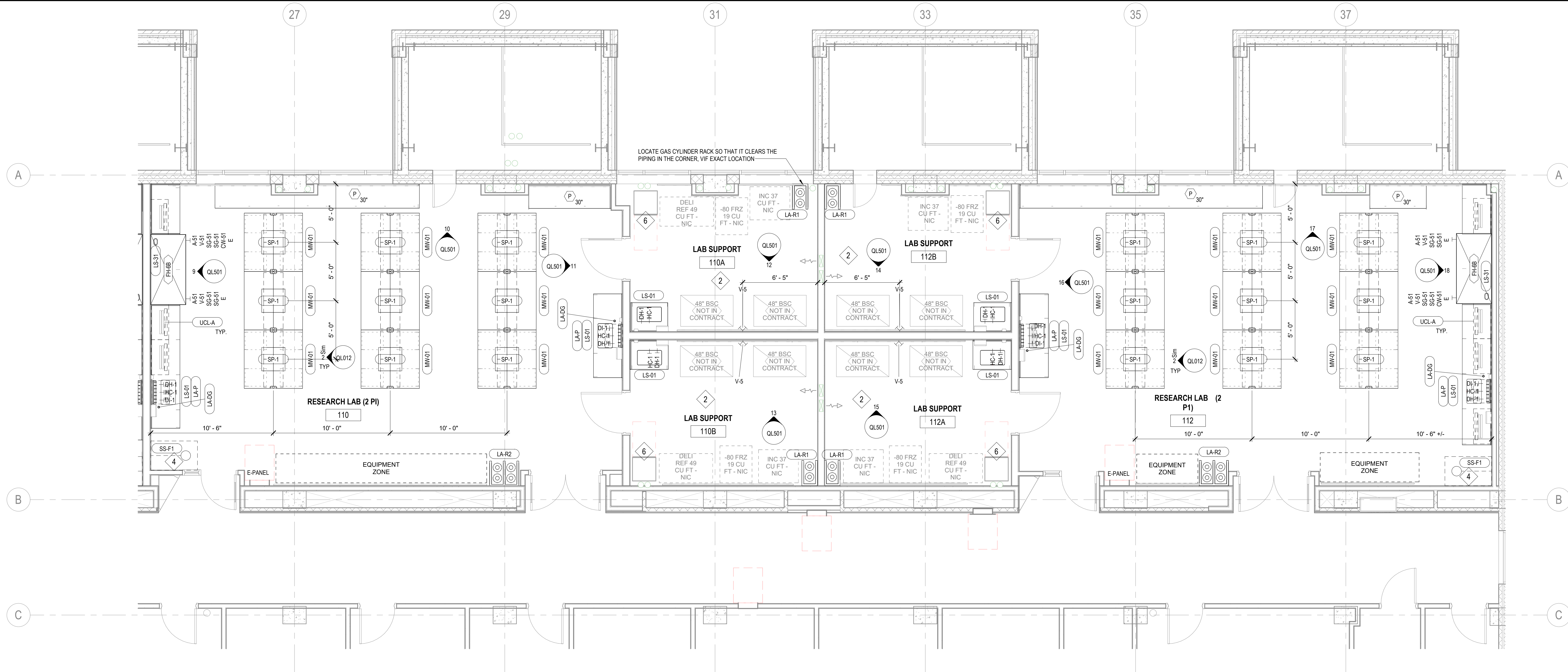
PROJECT NO. 8097.02	DATE 05-22-2026
REV.	DATE

SET DESCRIPTION
Bid Set

SHEET TITLE
First Floor Enlarged Lab
Plan - Area A, East

SHEET NUMBER

QL312



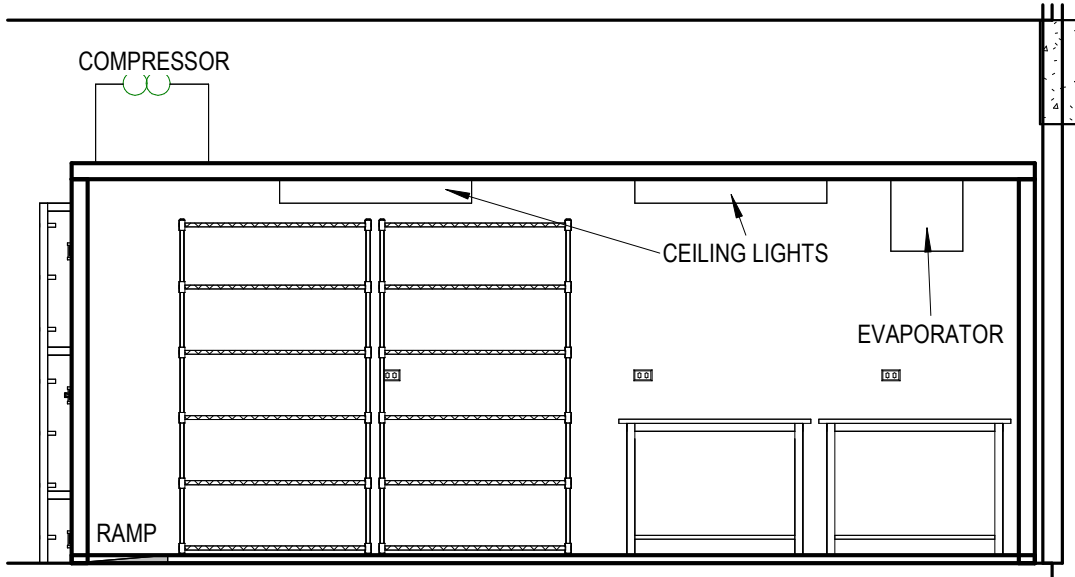
 Phase 2 - First Floor Enlarged Lab Plan - Area A, East
1/4" = 1'-0"

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NOTE THIS SHEET CONTAINS INFORMATION ON ALTERNATES 1A AND 1B:
ALTERNATE 1A- AUTOCLAVE, GLASSWARE WASH ROOM #119 AND 119A.
1. BASE BID: REFER TO SHEETS A301 & QL313. OFFICES 119, 119A, AND 119B WILL REMAIN UNAFFECTED BY NEW CONSTRUCTION.
2. ALTERNATE: REFER TO SHEETS A301 & QL313. OFFICES 119, 119A, AND 119B WILL BE DEMOLISHED. THE EXISTING PERIMETER WALLS WILL BE REPAIRED, MODIFIED, AND CONVERTED TO AN AUTOCLAVE ROOM #119A COMPLETE WITH ALL MEPT INFRASTRUCTURE AND SPECIFIED EQUIPMENT (AUTOCLAVES, GLASSWARE WASHER, AND ICE MAKER). COLD ROOM #119 WILL BE FINISHED COMPLETE WITH ALL MEPT INFRASTRUCTURE READY TO RECEIVE THE COLD ROOM COOLER UNIT AS SPECIFIED.

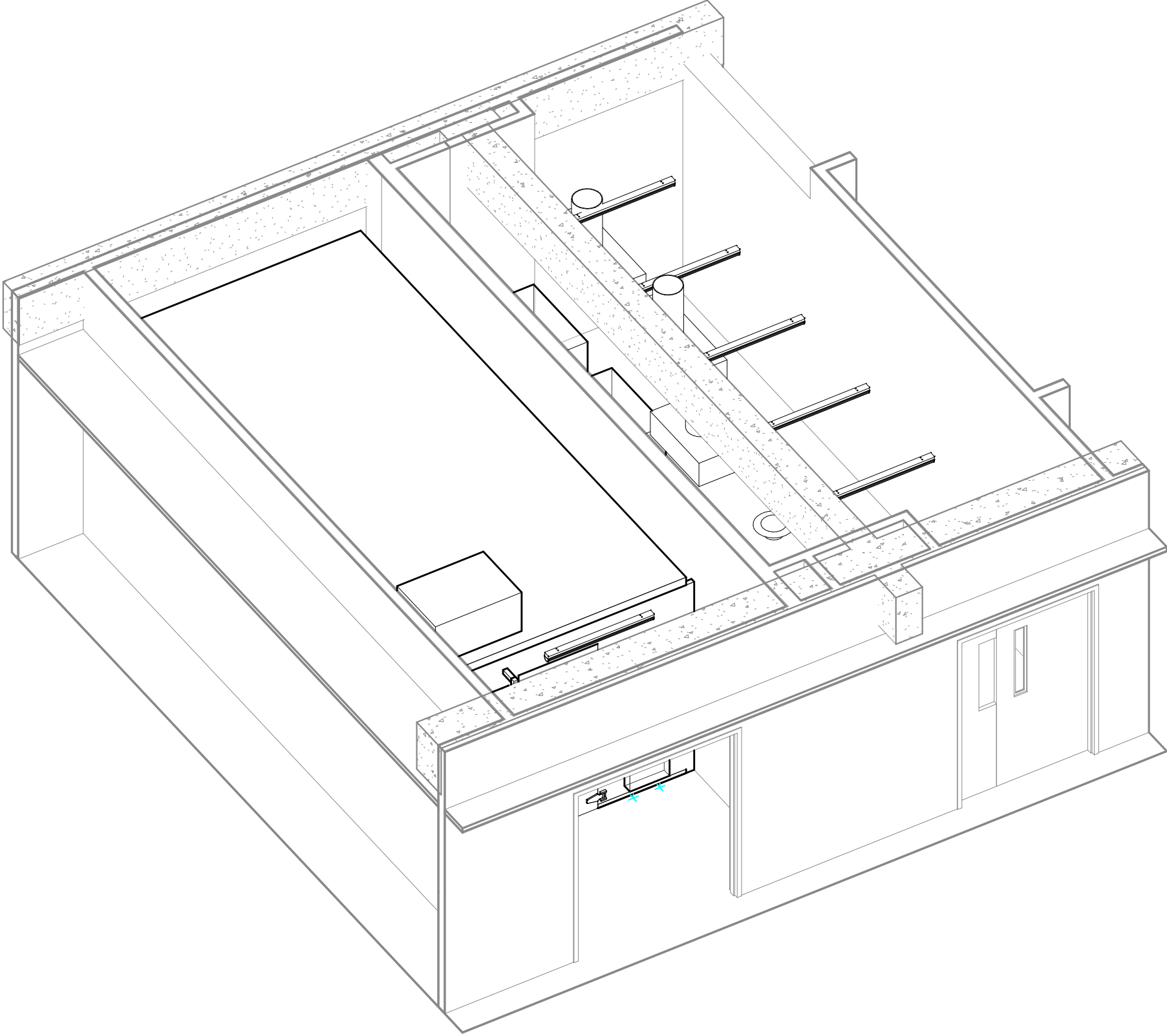
ALTERNATE 1B- COLD ROOM COOLER EQUIPMENT, ROOM #119.
1. BASE BID: REFER TO SHEETS A301 & QL313. IF ALTERNATE 1A IS ACCEPTED, AUTOCLAVE ROOM #119A AND COLD ROOM 119 ARE FINISHED COMPLETE WITH MEPT INFRASTRUCTURE.
2. ALTERNATE: REFER TO SHEETS A301 & QL313. PROVIDE AND INSTALL THE COLD ROOM COOLER EQUIPMENT AS SPECIFIED IN COLD ROOM #119.

CER INFORMATION ON THIS SHEET, INCLUDING LOCATION, NUMBER AND QUANTITY OF LIGHTS, EVAPORATOR, COMPRESSOR, ETC. ARE APPROXIMATE TO PROVIDE DESIGN INTENT. CER VENDOR TO DETERMINE EXACT REQUIREMENTS FOR SUCH ITEMS.

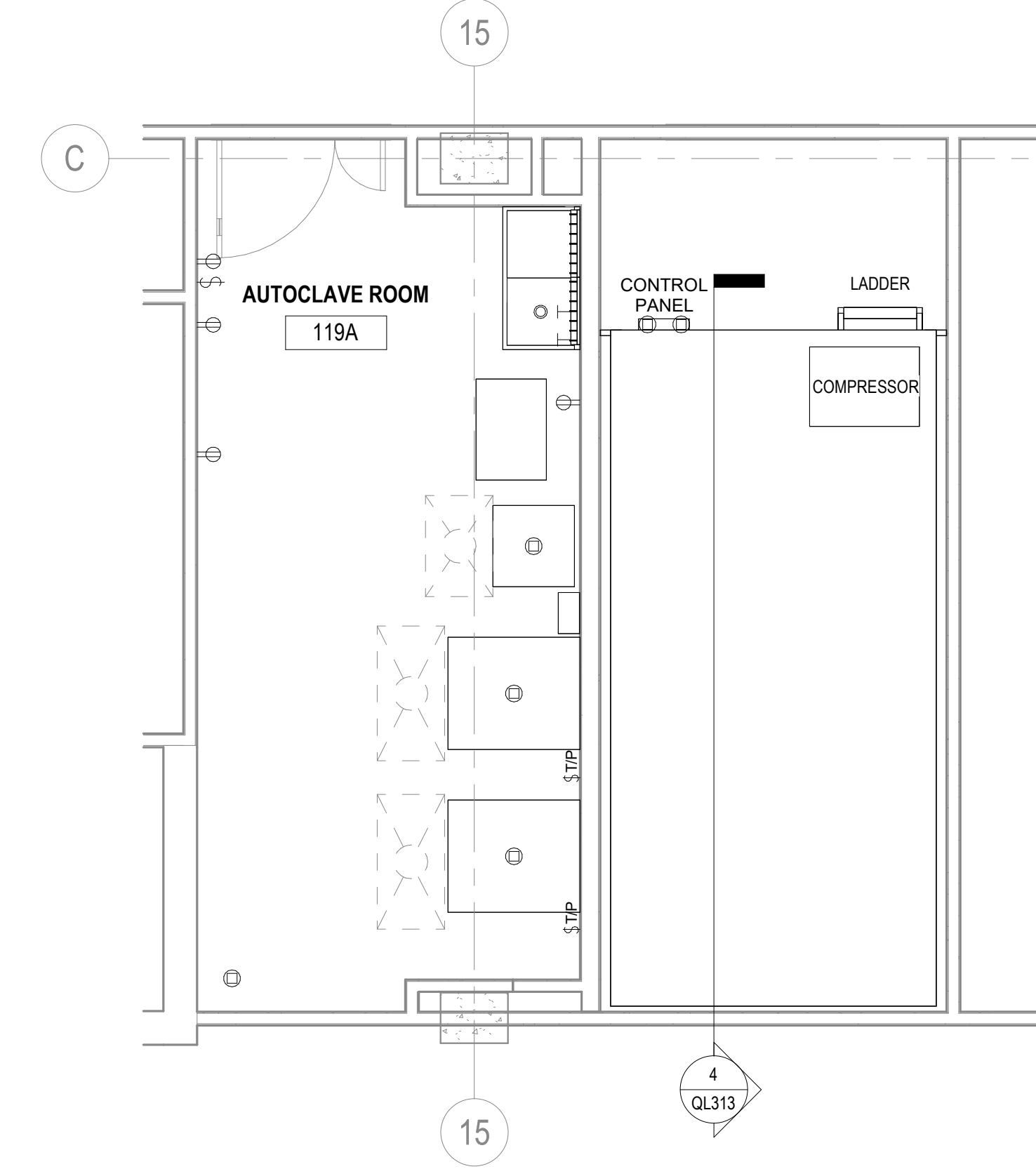


SECTION - COLD ROOM
1/4" = 1'-0"

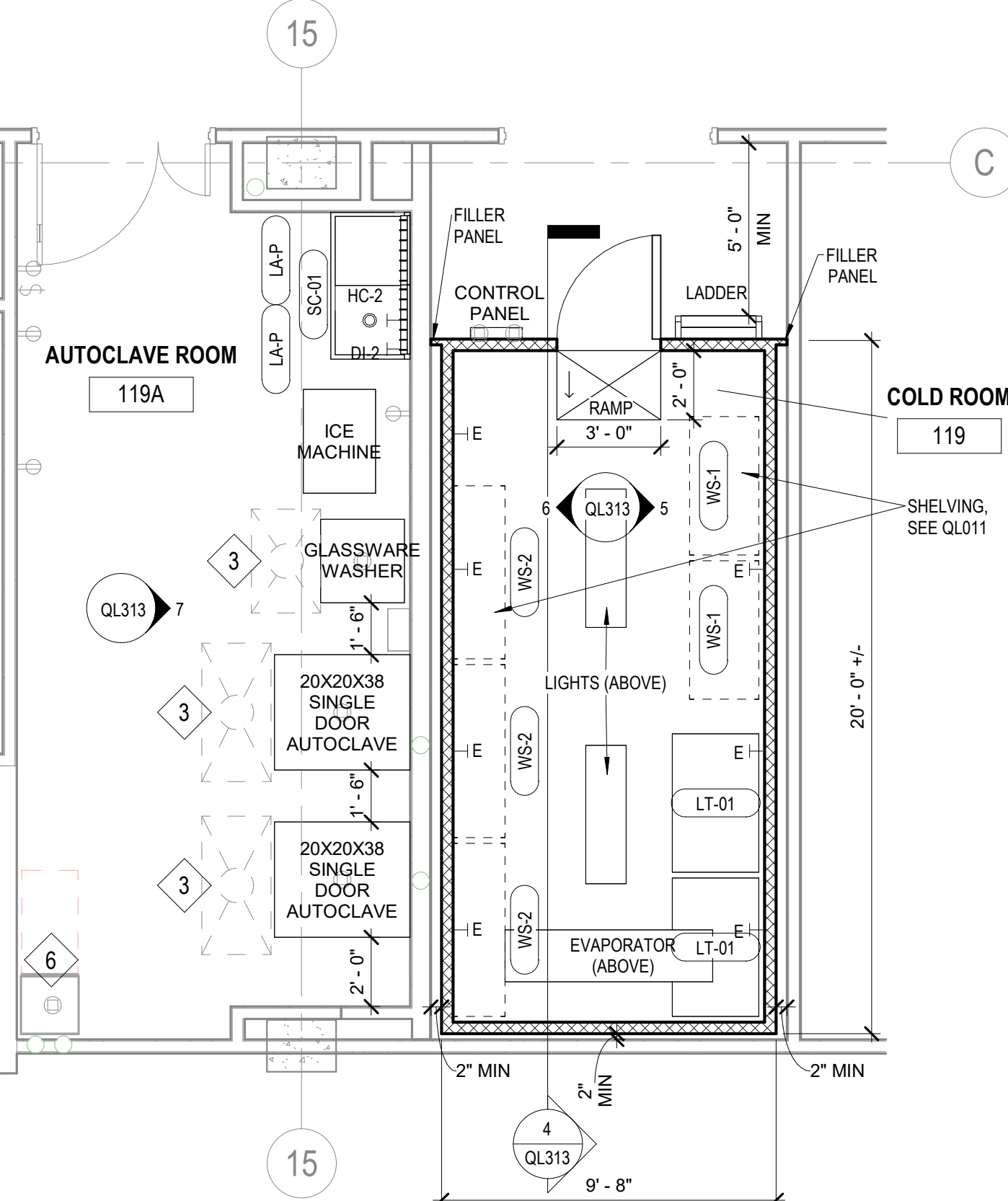
Phase 2 - First Floor - ISO - Area A, Autoclave
Alternate
NTS - GRAPHIC REPRESENTATION ONLY - NOT FOR CONSTRUCTION



Phase 2 - First Floor - Enlarged Lab Plan
Autoclave - Cold Room Top
1/4" = 1'-0"



Phase 2 - First Floor - Enlarged Lab Plan
Autoclave
1/4" = 1'-0"



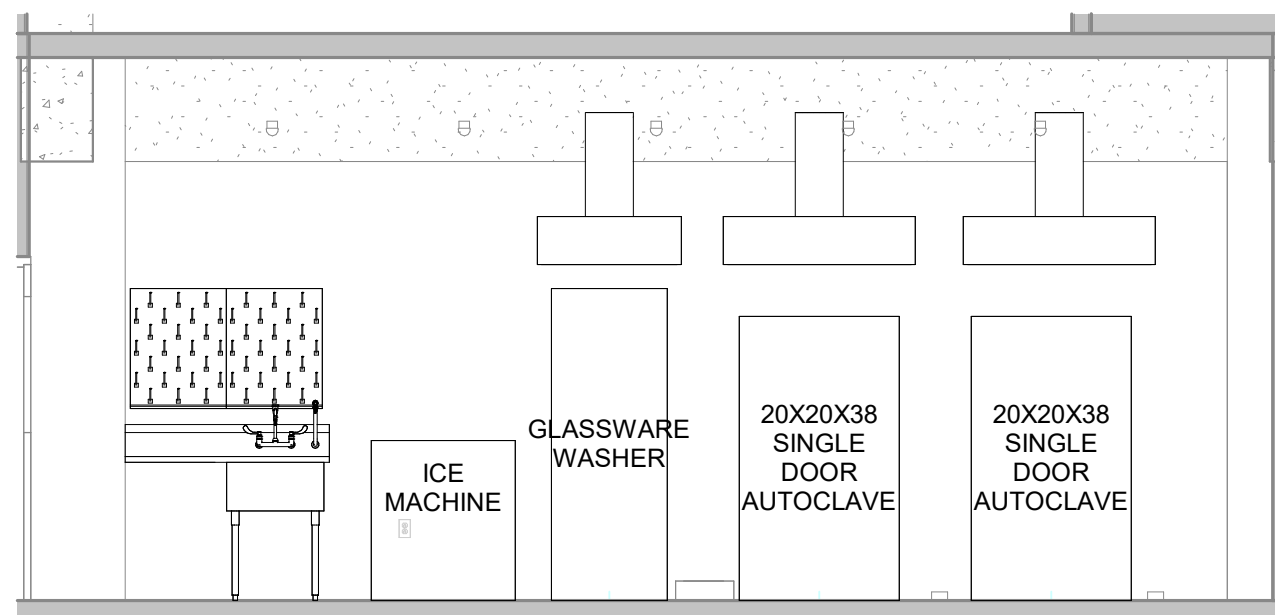
LABORATORY TABLE SCHEDULE								
TAG	WORK SURFACE (INCHES)			TABLE FRAME MATERIAL	WORK SURFACE MATERIAL	TABLE FRAME TYPE	DETAIL	NOTES
LT-01	48	30	36	SST	SST	D	10 / QL313	TOP WITH A RAISED (MARINE) EDGE, ALL SIDES

TABLE SCHEDULE GENERAL NOTES:

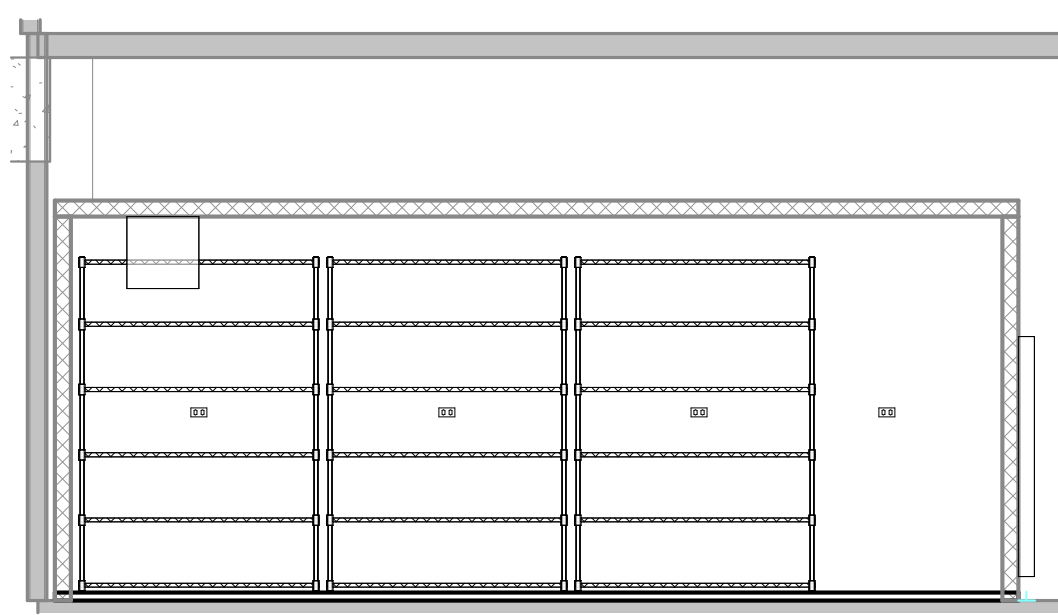
A. WORK SURFACE SHALL OVERHANG TABLE FRAME MINIMUM 1" EACH SIDE.
B. PROVIDE HEIGHT ADJUSTABLE LEVELING DEVICES AT EACH TABLE LEG.
C. ENTIRE TABLE MATERIAL SHALL BE STAINLESS-STEEL.

TABLE FRAME TYPE LEGEND

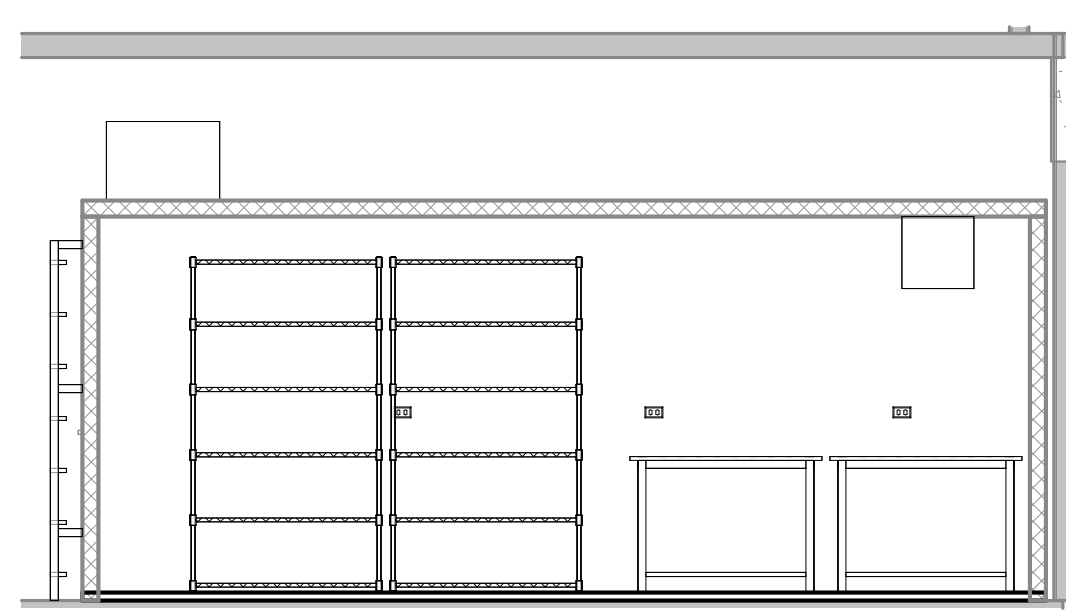
TYPE D FULLY-WELDED TABLE FRAME



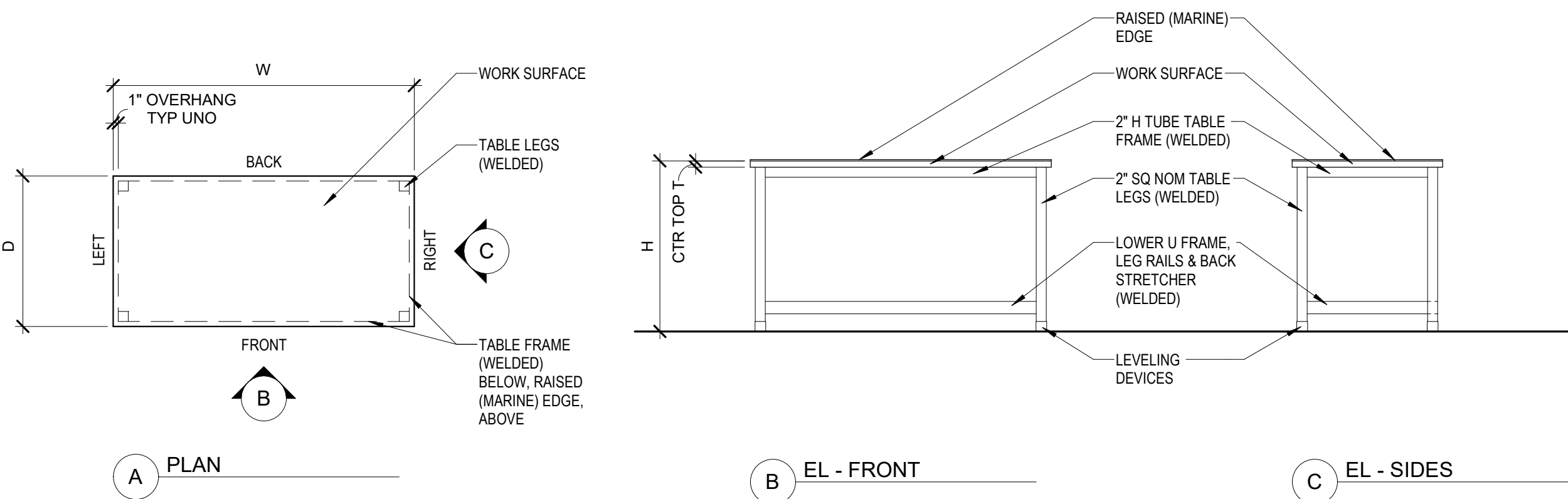
EL - 119A - Autoclave Room - East
1/4" = 1'-0"



EL - 119A - Cold room - West
1/4" = 1'-0"



EL - 119A - Cold Room - East
1/4" = 1'-0"



DETAIL - WELDED TABLE FRAME
1/2" = 1'-0"

ALTERNATE BID - SCULLERY SINK SCHEDULE								
TAG	SPECIFICATION SECTION	SINK TYPE (COMPARTMENT)	NOMINAL COMPARTMENT SIZE (INCHES)			MATERIAL	DETAIL	NOTES
SC-01	12 35 53	ONE	24	24	16	SST	11/QL313	1

SCULLERY SINK SCHEDULE GENERAL NOTES:

A. PROVIDE SINK COMPARTMENT(S) DRAIN FITTING WITH LEVER HANDLE AND OVERFLOW.

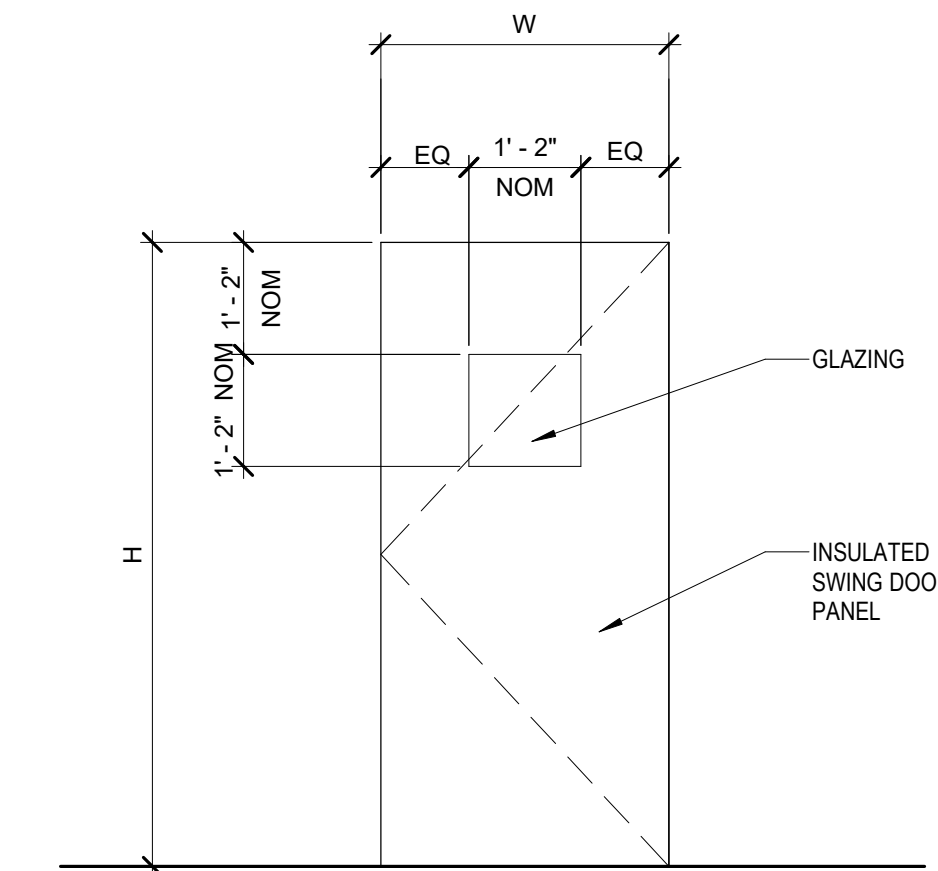
SCULLERY SINK SCHEDULE KEYED NOTES:

1. SINK COMPARTMENT WITH LEFT DRAINBOARD; SEE LAB PLAN.

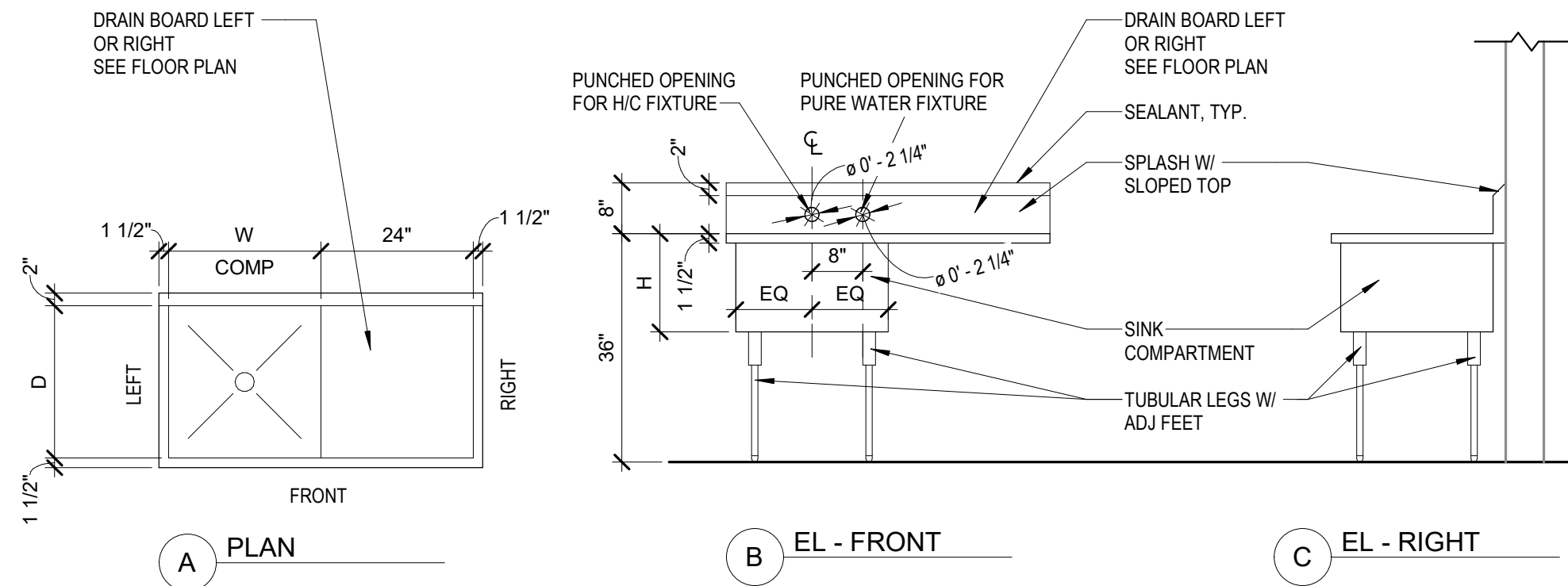
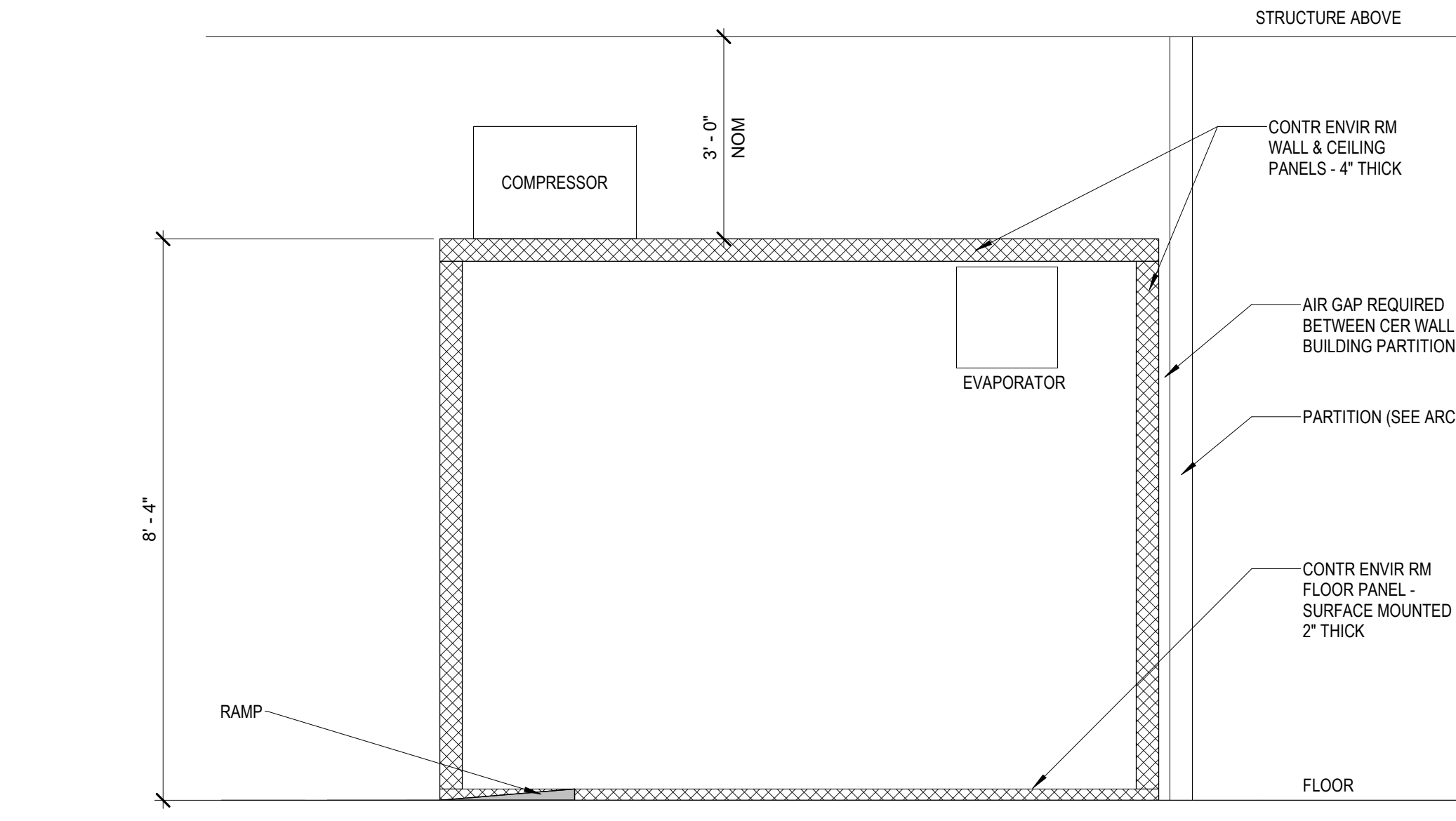
ALTERNATE BID - LABORATORY EQUIPMENT LIST														
EQ Number	Specification section	Quantity	Equipment Description	Source	Mounting Location	New Room Name	New Room Number	Width (in)	Depth (in)	Height (in)	Weight (lbs.)	Number of Outlets	Voltage	Amperage
EQ-1	11 53 00	1	Glassware washer - upright	CFCI	Floor	Autoclave Room	119	29	29	78	646	-	208	60
EQ-2	11 53 00	1	Ice Machine - upright, with built-in bin	CFCI	Floor	Autoclave Room	119	36	25	40	292	1	120	8
EQ-3	11 53 00	2	Autoclave - 20x20x38 chamber	CFCI	Floor	Autoclave Room	119	30	46	75	~2,000	-	120	~10
LABORATORY EQUIPMENT LIST/MATRIX GENERAL NOTES:														
A. Contractor-furnished items: refer to specifications for contractor furnished items.														
B. Manufacturer's product data information is furnished for reference only. Manufacturer's product information is subject to change without notice.														
C. In case of discrepancy between laboratory equipment list and manufacturer's product information, the manufacturer's information shall govern. Notify architect of discrepancies and obtain clarification.														
ABBREVIATION:														
CFCI - Contractor Furnished, Contractor Installed														

SEE LAB ACCESSORY SCHEDULE ON QL01 FOR THE WIRE SHELVING INFORMATION

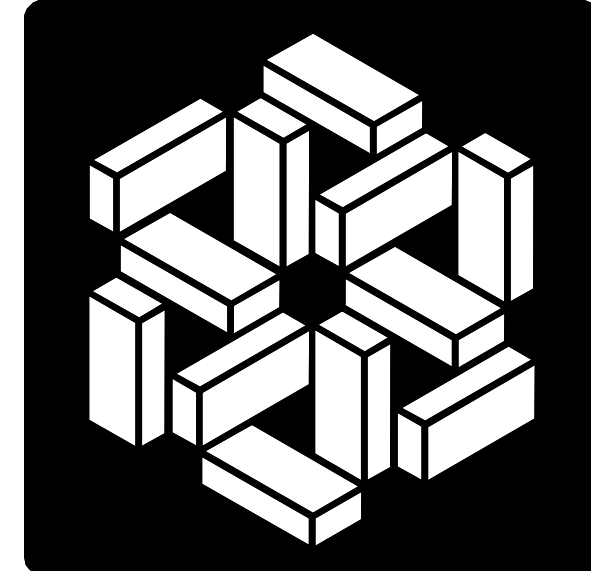
CER - COLD ROOM TYP DOOR
1/2" = 1'-0"



CER - COLD ROOM-SURFACE MOUNTED
FLOOR PANEL
1/2" = 1'-0"



SCULLERY SINK - [SS-01]
1/2" = 1'-0"



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PROJECT NO.
8097.02

DATE
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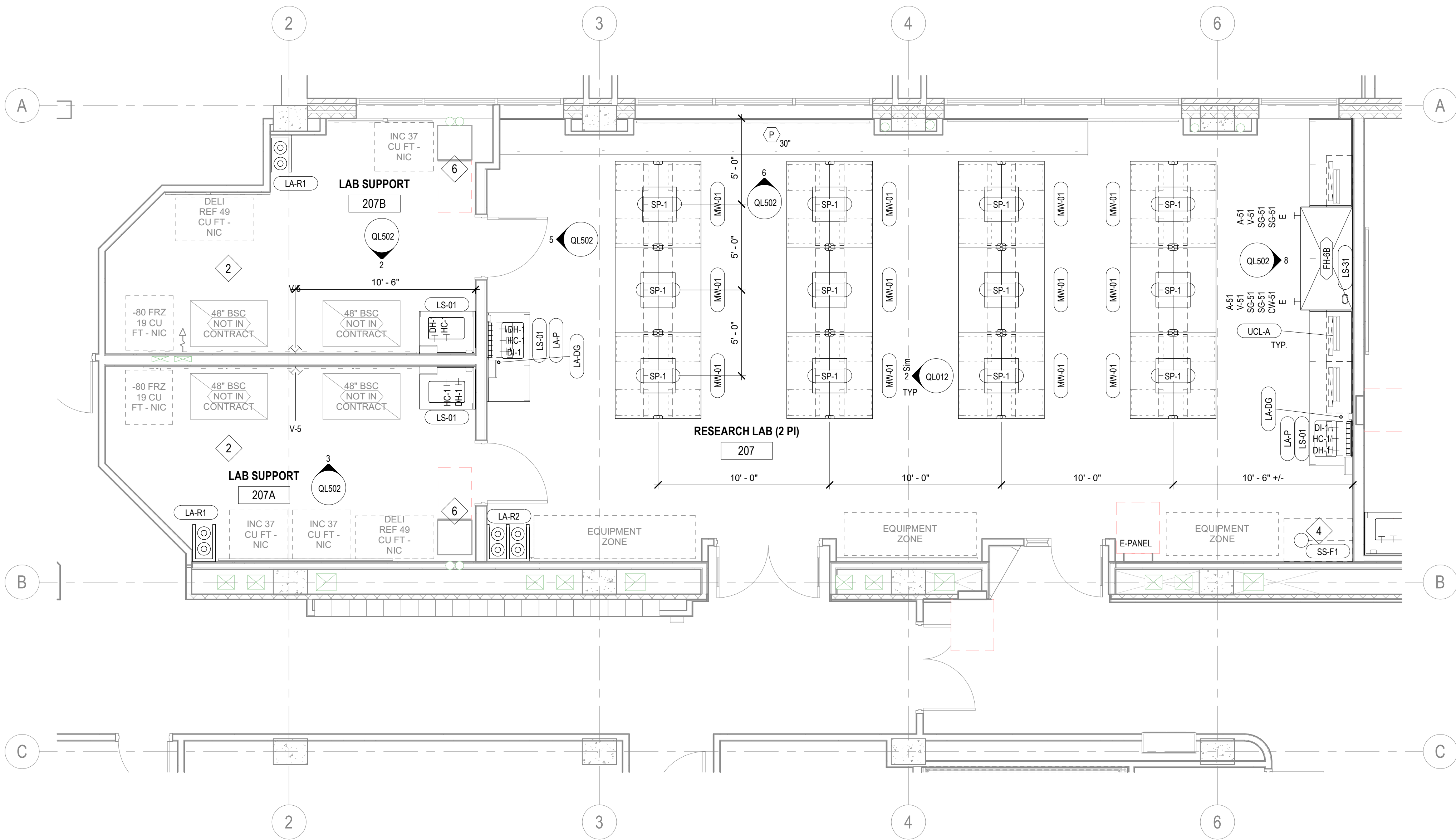
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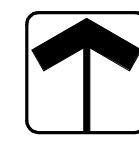
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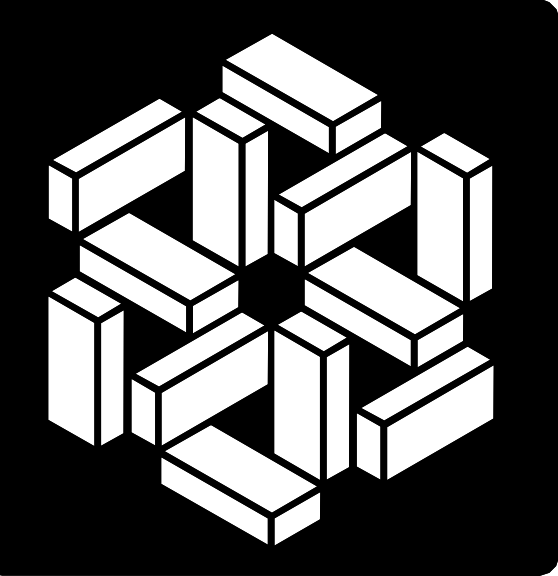
SHEET TITLE
First Floor Enlarged Lab
Plan - Area A, Autoclave
Alternate

SHEET NUMBER

QL313



 Phase 1 - Second Floor Enlarged Lab Plan - Area A, West
1/4" = 1'-0"



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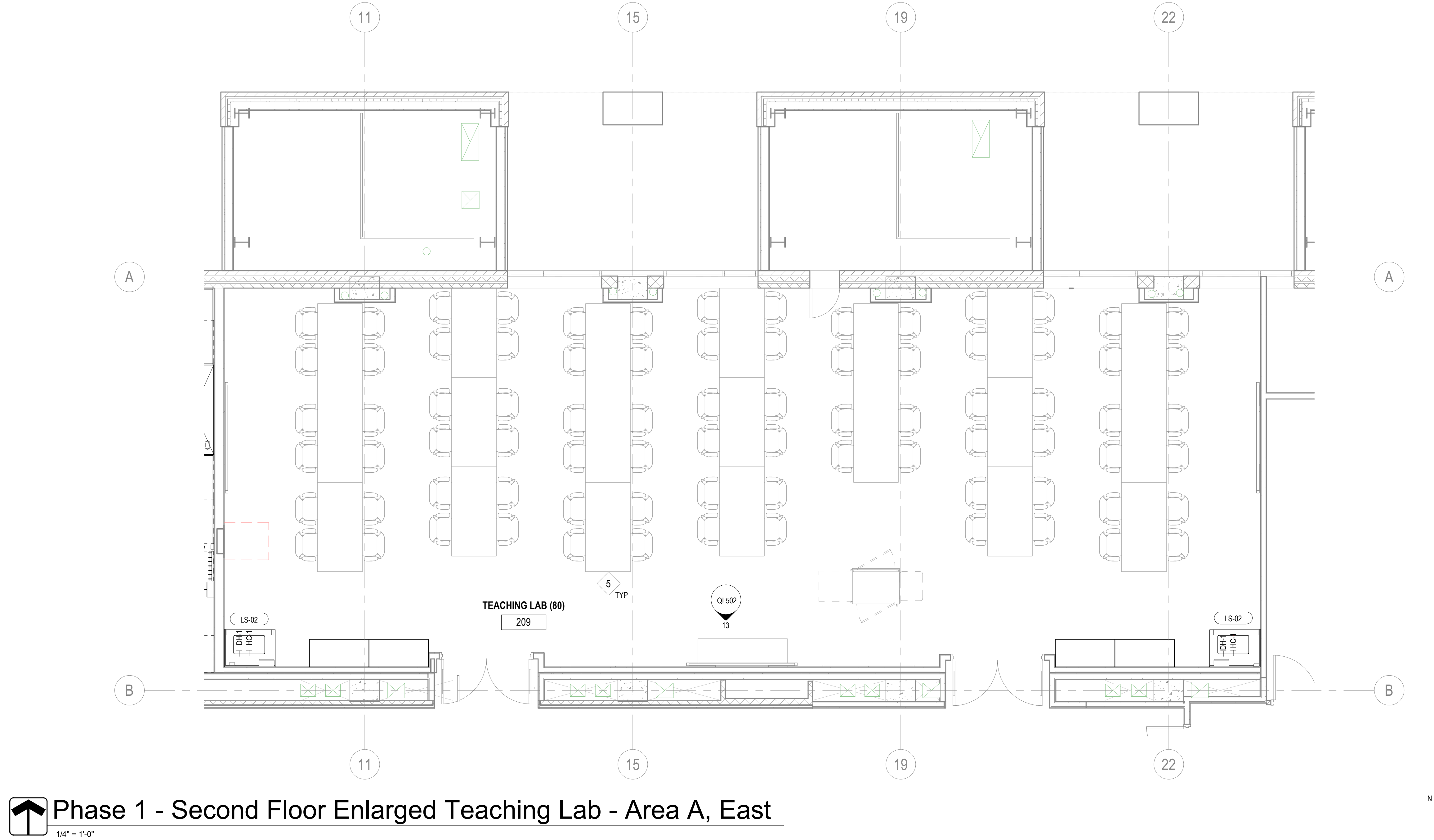
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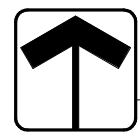
SHEET TITLE
Second Floor Enlarged
Lab Plan - Area A, West

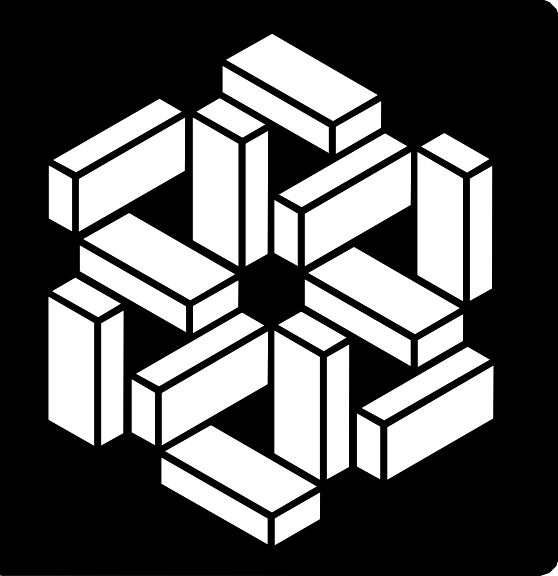
SHEET NUMBER

QL321

5/21/2026 3:38:35 PM



 Phase 1 - Second Floor Enlarged Teaching Lab - Area A, East
1/4" = 1'-0"



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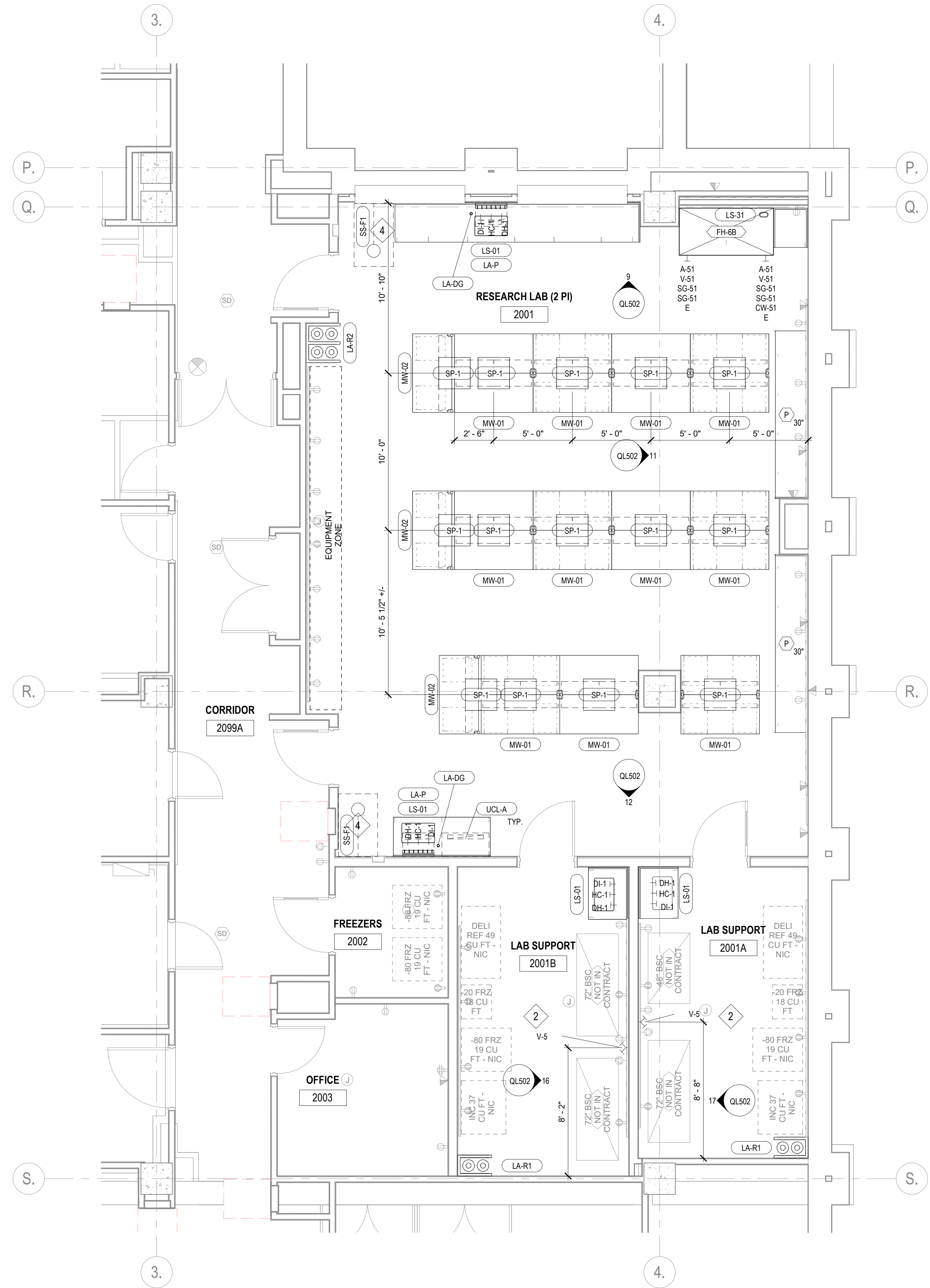
SET DESCRIPTION
Bid Set

SHEET TITLE
Second Floor Enlarged
Teaching Lab Plan -
Area A, East

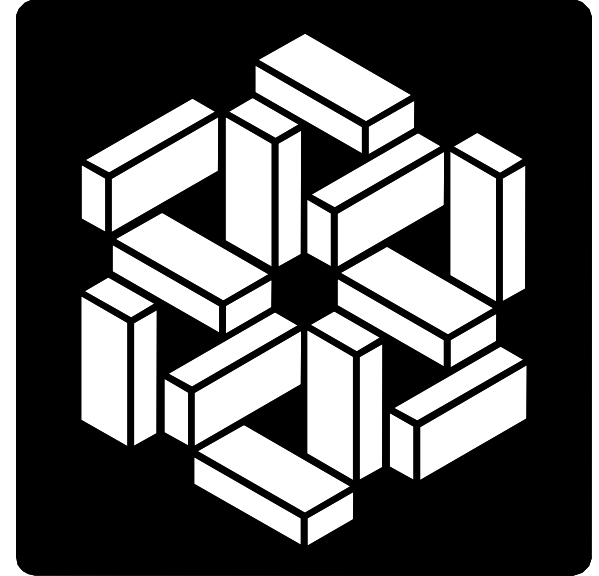
SHEET NUMBER

QL322

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 Phase 2 - Second Floor Enlarged Plan - Unit B
1/4" = 1'-0"



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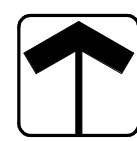
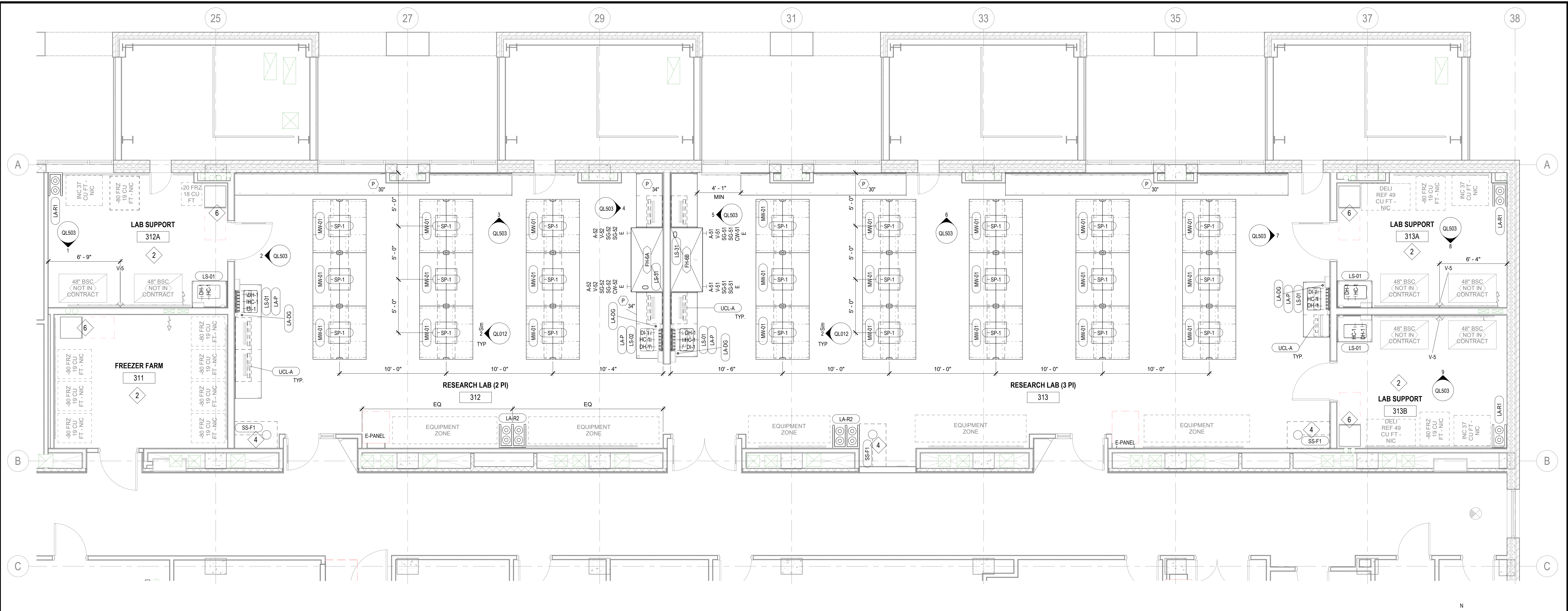
PROJECT NO.	DATE
8097.02	05-22-2026
REV.	DATE

SET DESCRIPTION
Bid Set

SHEET TITLE
Second Floor Enlarged
Lab Plan - Area B

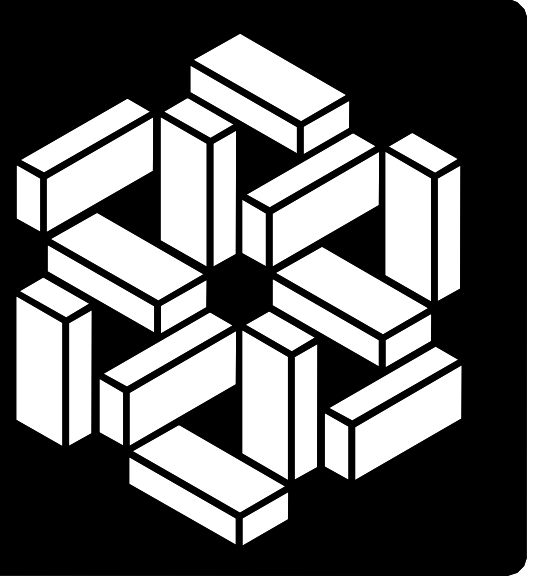
SHEET NUMBER
QL323

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Phase 1 - Third Floor Enlarged Lab Plan - Area A, East

1/4" = 1'-0"



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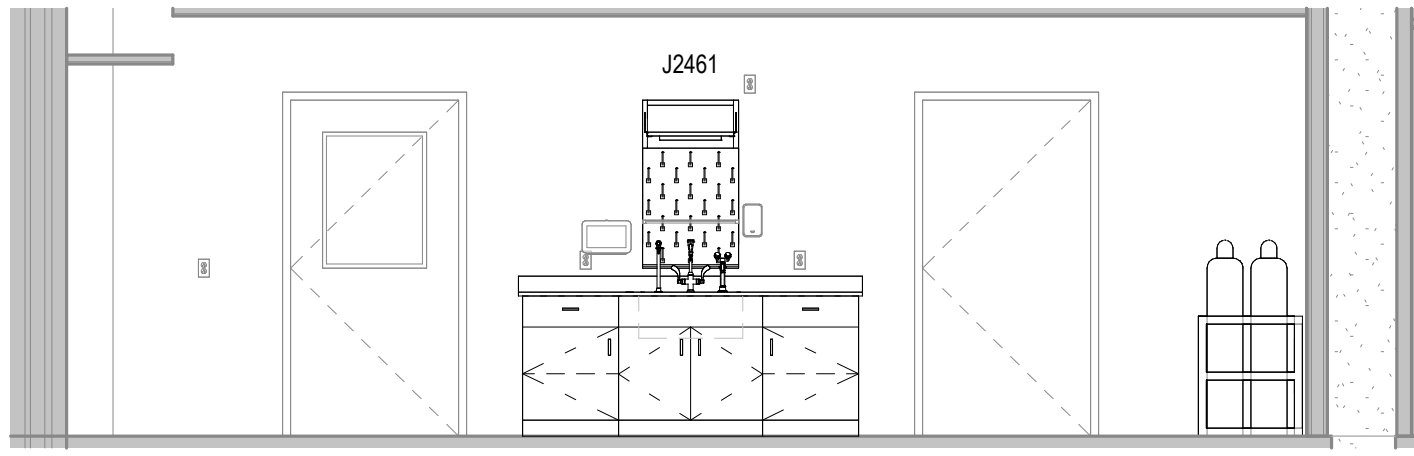
SET DESCRIPTION
Bid Set

SHEET TITLE
Third Floor Enlarged Lab
Plan - Area A, East

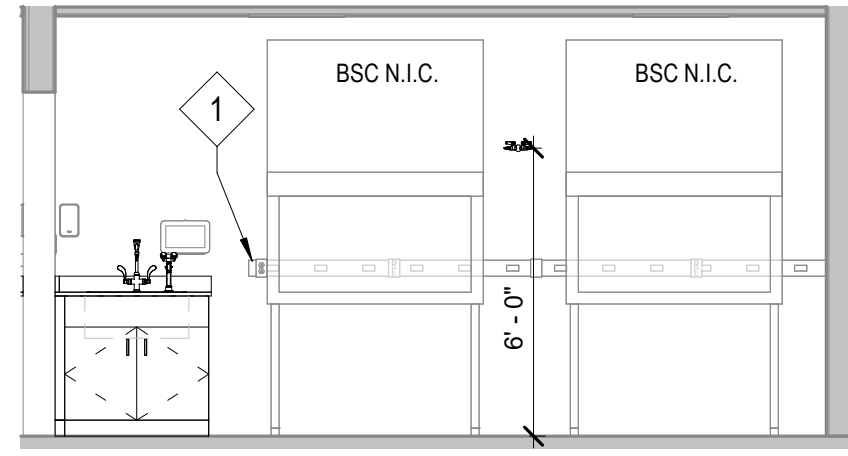
SHEET NUMBER

QL331

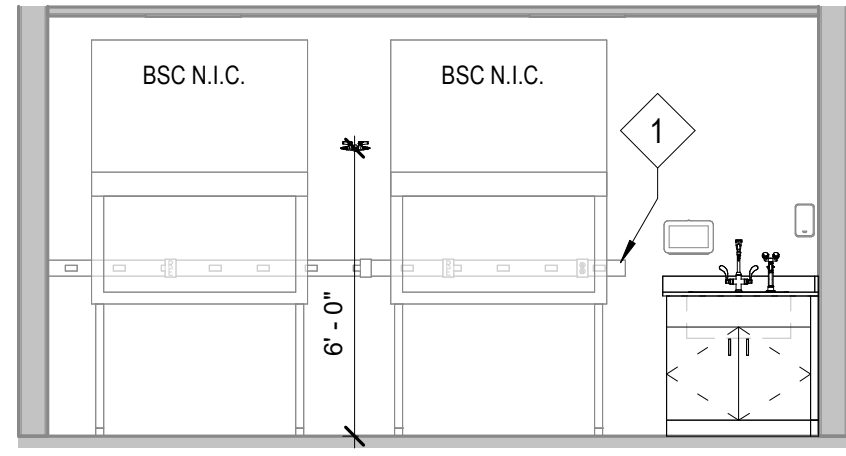
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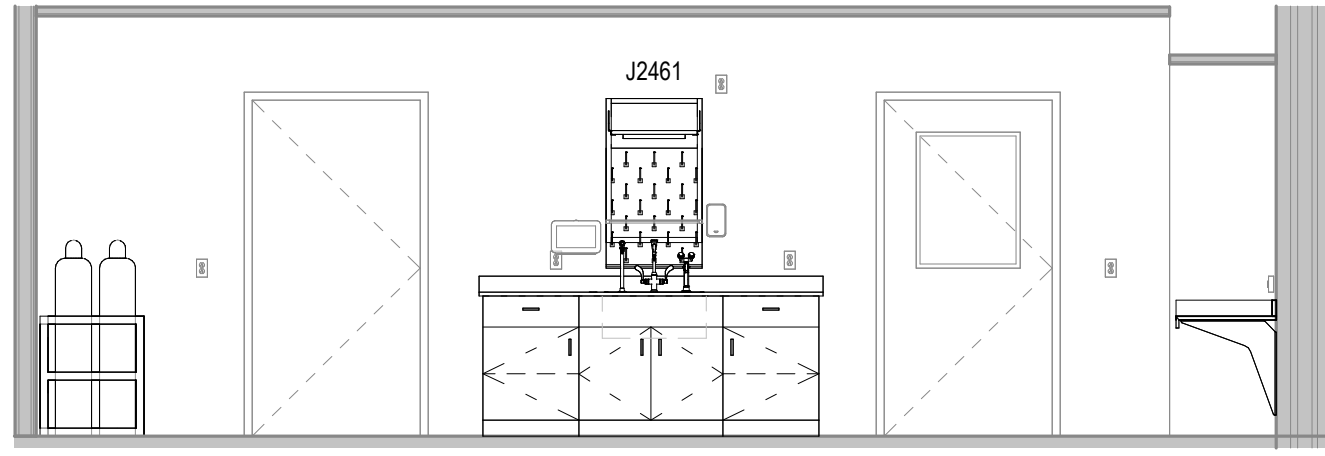
1 EL - 106 - Research Lab (2 PI) - East
1/4" = 1'-0"



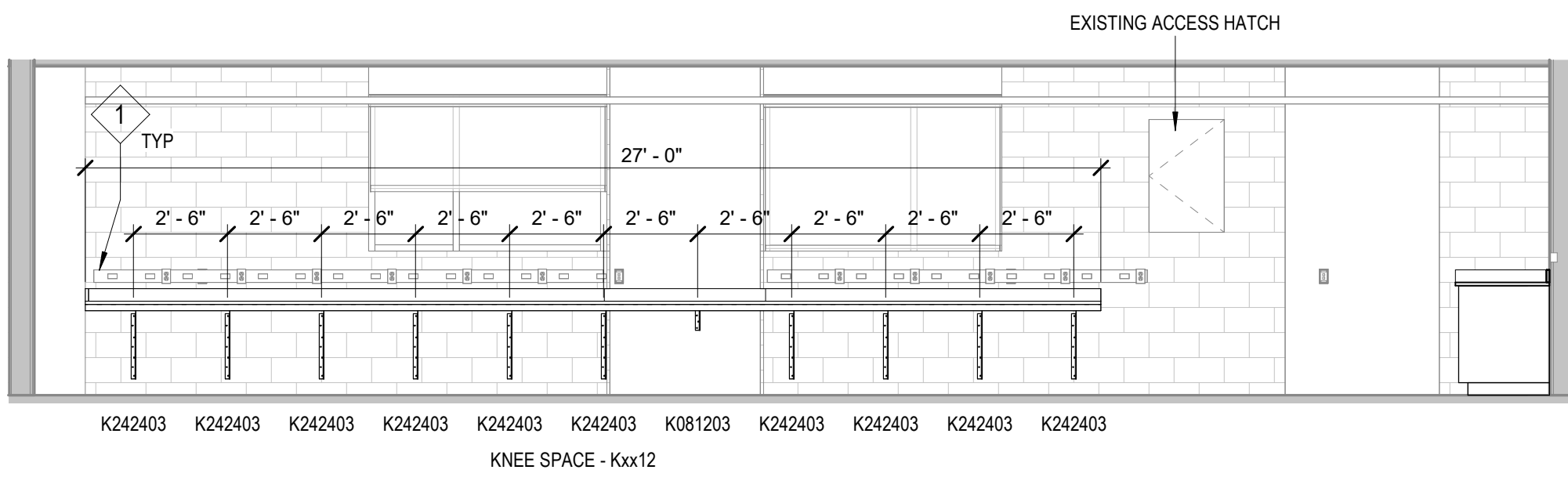
2 EL - 108B - Lab Support - South
1/4" = 1'-0"



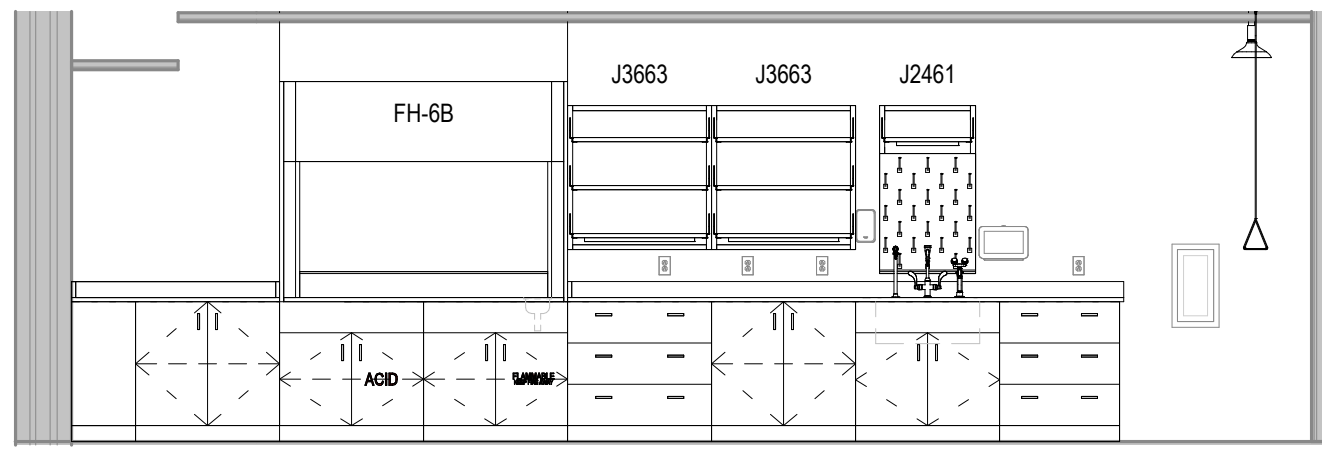
3 EL - 108A - Lab Support - North
1/4" = 1'-0"



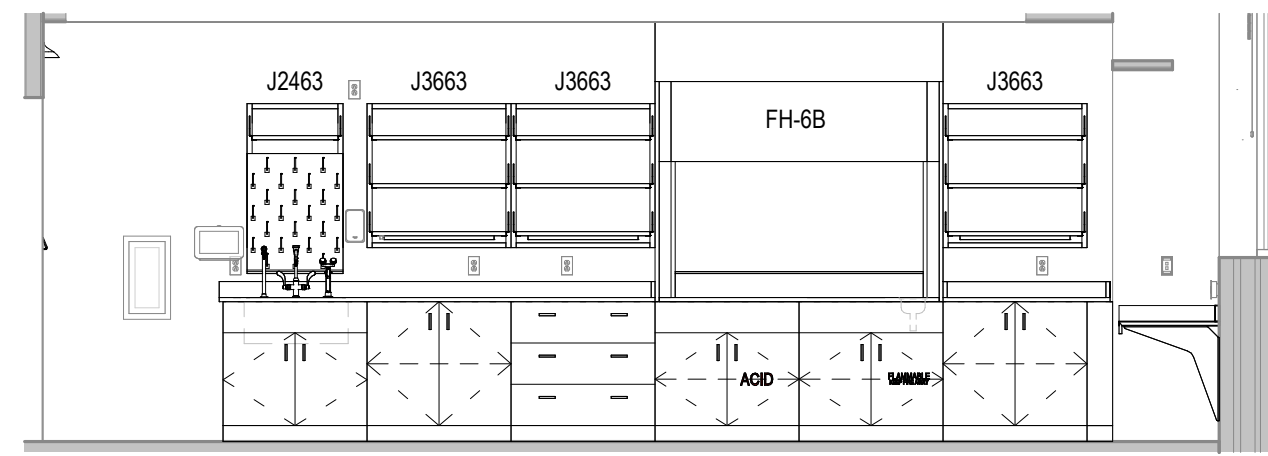
4 EL - 108 - Research Lab (2 PI) - West
1/4" = 1'-0"



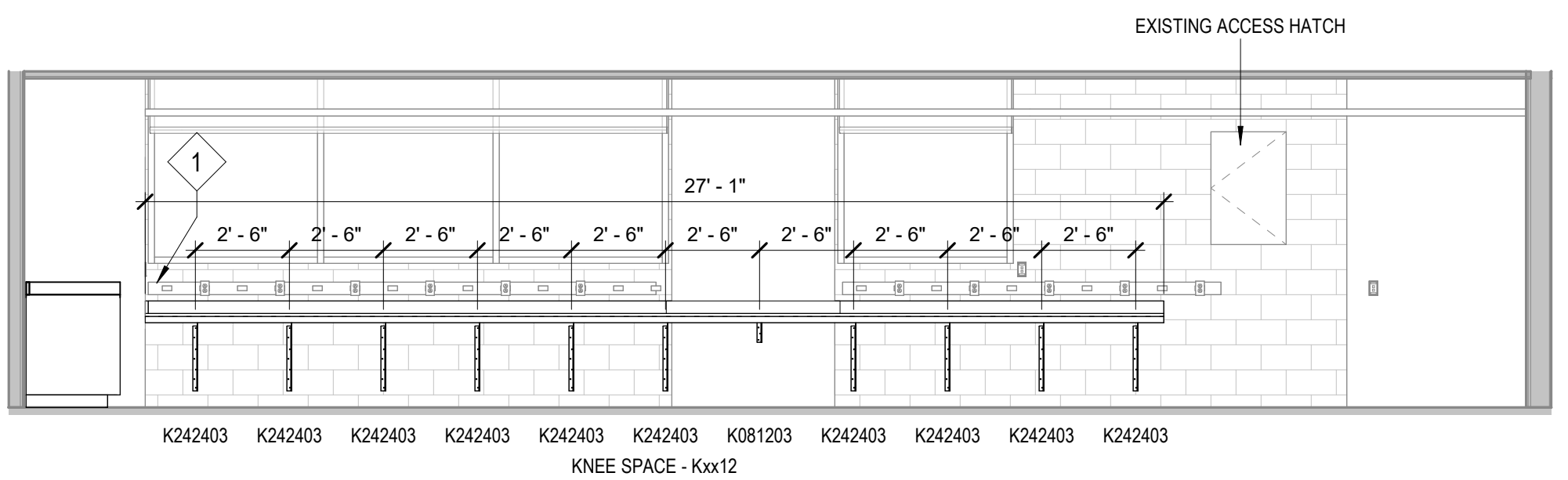
5 EL - 108 - Research Lab (2 PI) - North
1/4" = 1'-0"



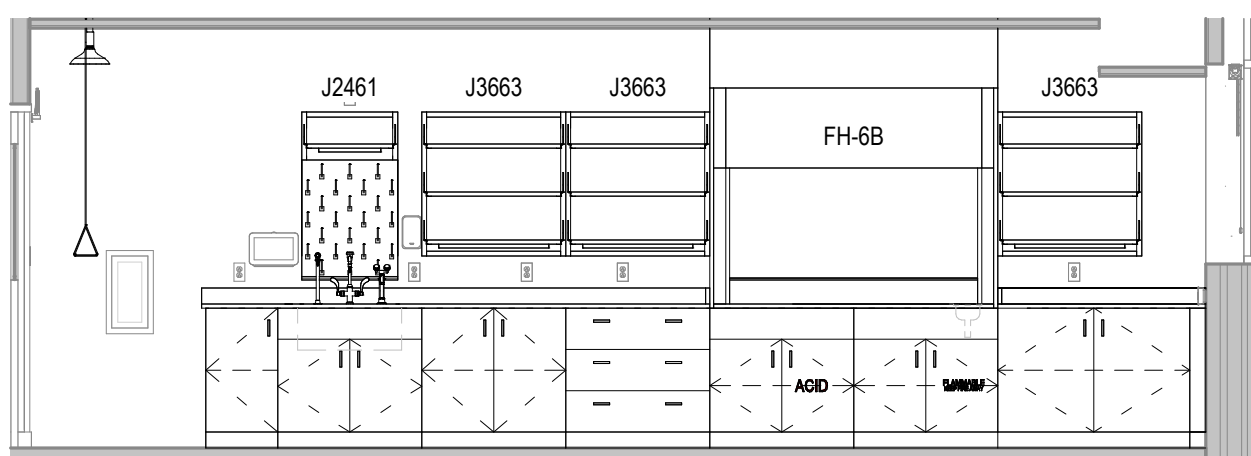
6 EL - 108 - Research Lab (2 PI) - East
1/4" = 1'-0"



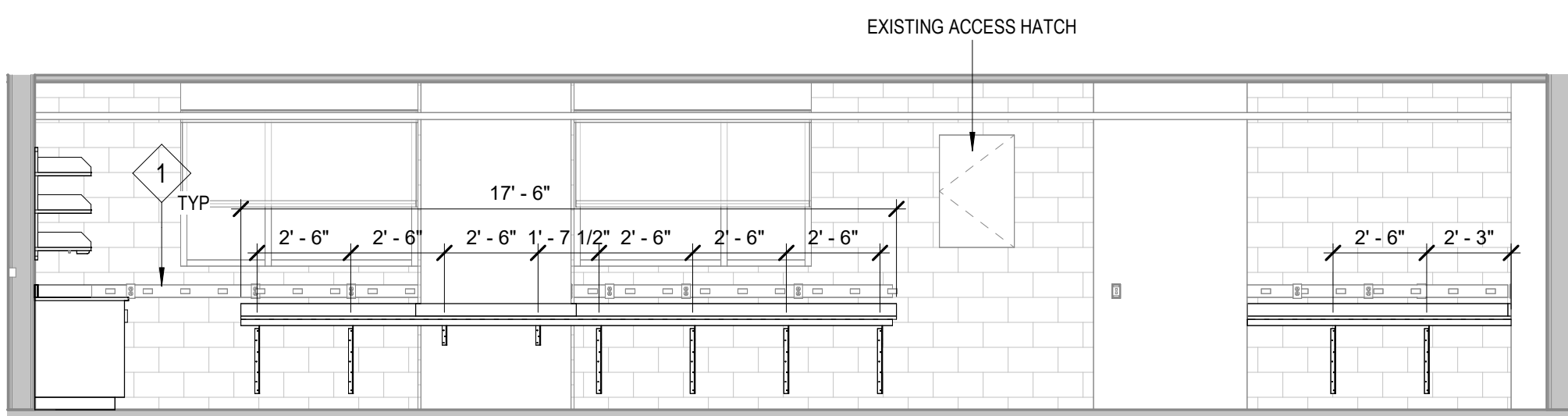
7 EL - 106 - Research Lab (2 PI) - West
1/4" = 1'-0"



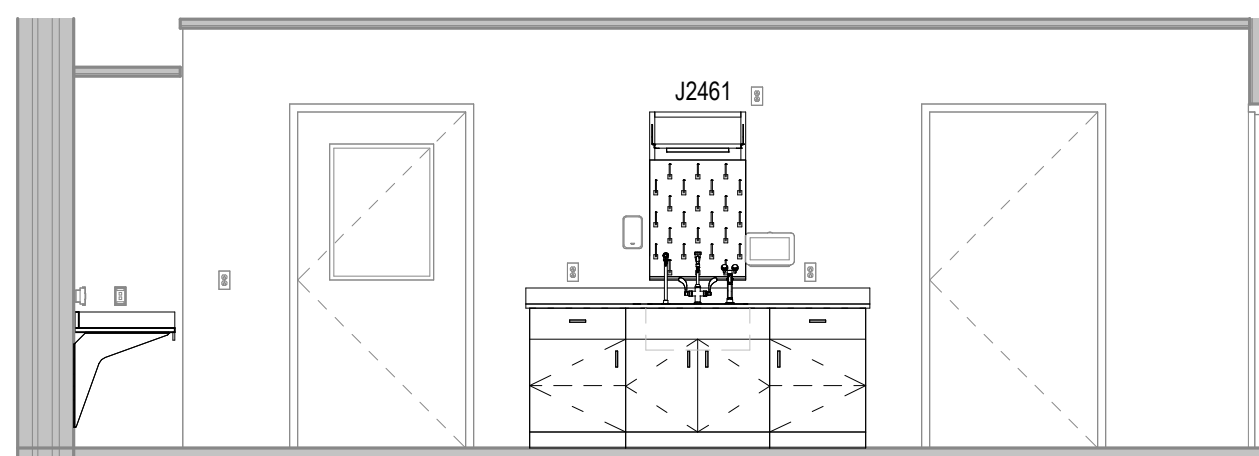
8 EL - 106 - Research Lab (2 PI) - North
1/4" = 1'-0"



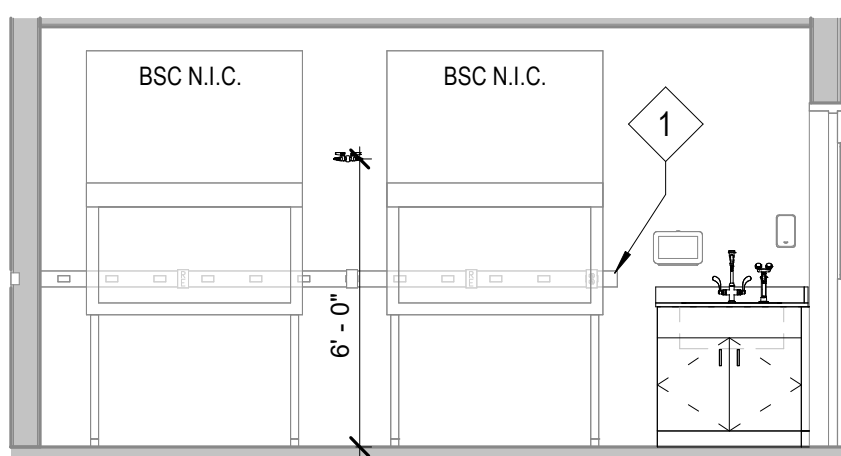
9 EL - 110 - Research Lab (2 PI) - West
1/4" = 1'-0"



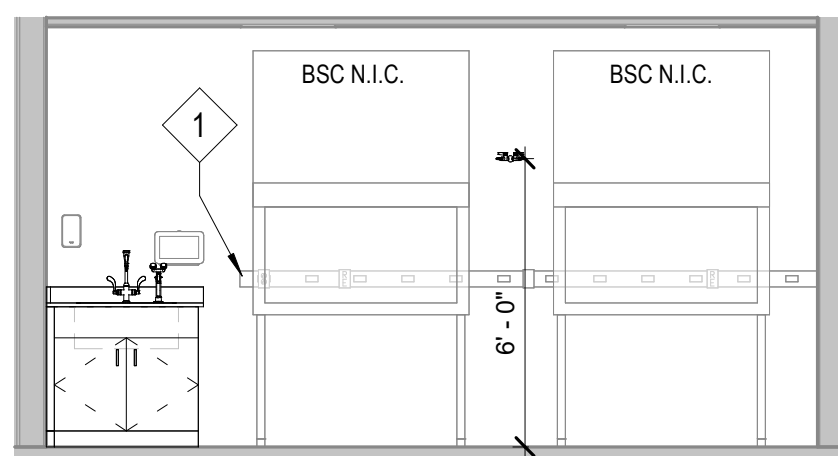
10 EL - 110 - Research Lab (2 PI) - North
1/4" = 1'-0"



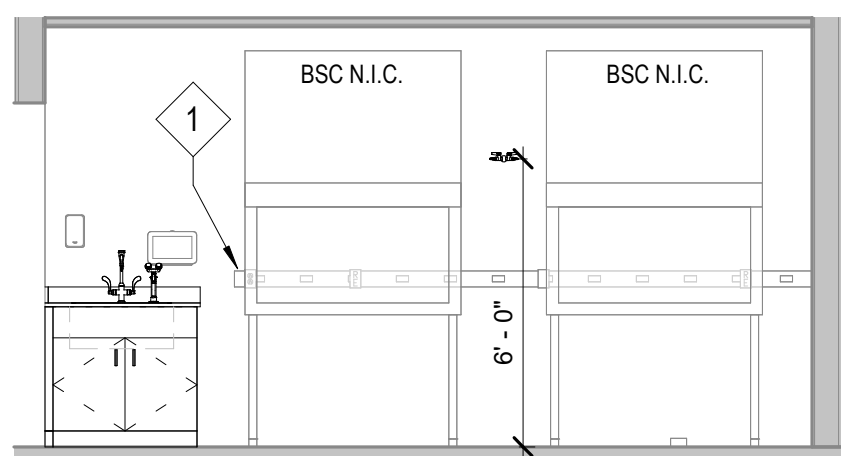
11 EL - 110 - Research Lab (2 PI) - East
1/4" = 1'-0"



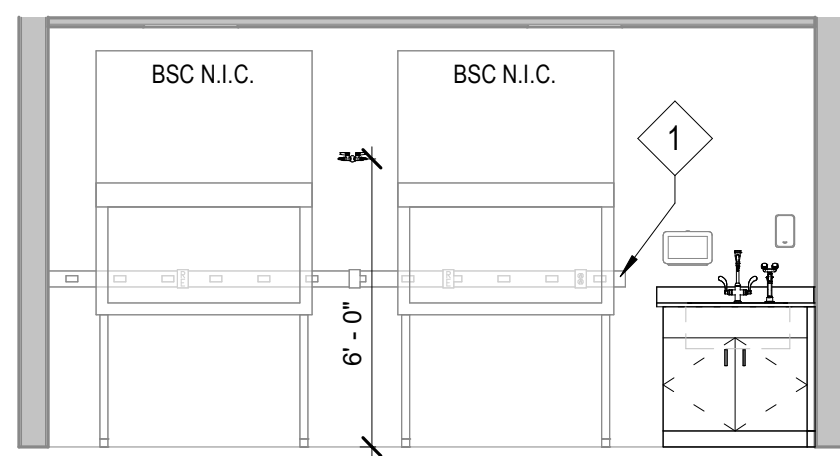
12 EL - 110A - Lab Support - South
1/4" = 1'-0"



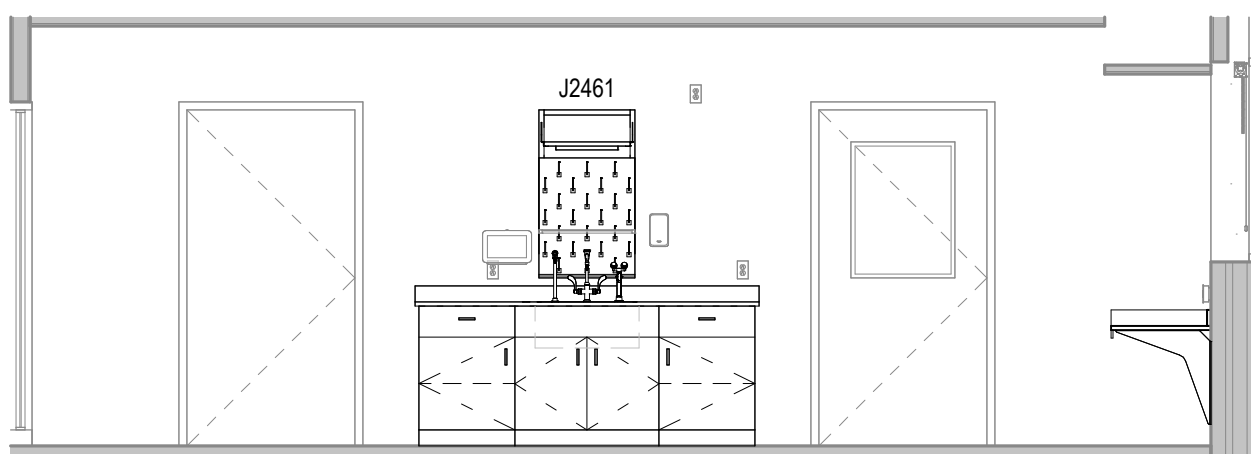
13 EL - 110B - Lab Support - North
1/4" = 1'-0"



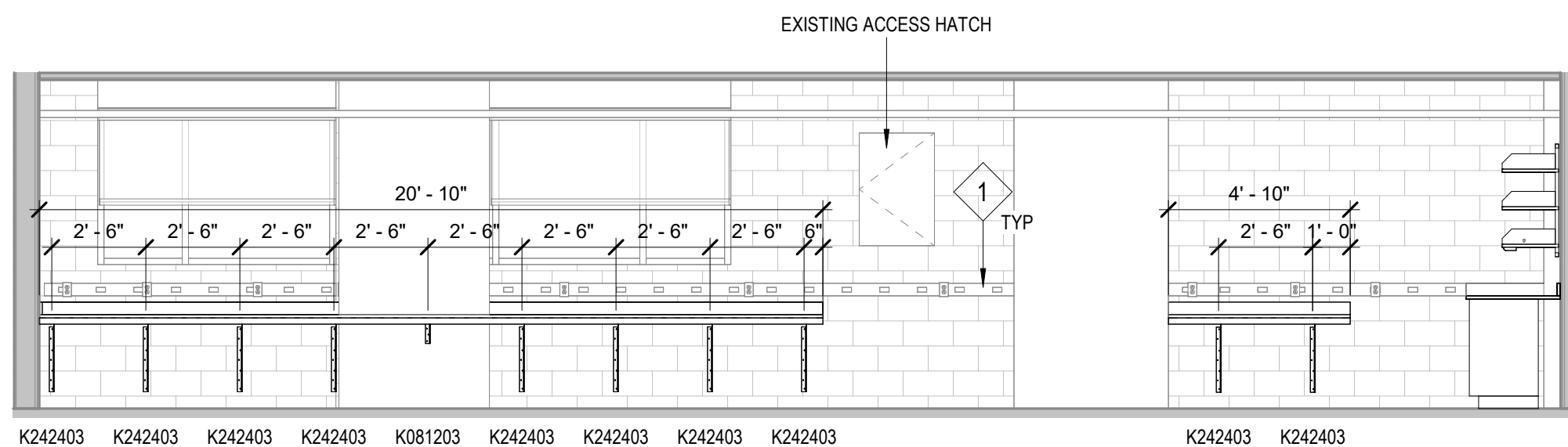
14 EL - 112B - Lab Support - South
1/4" = 1'-0"



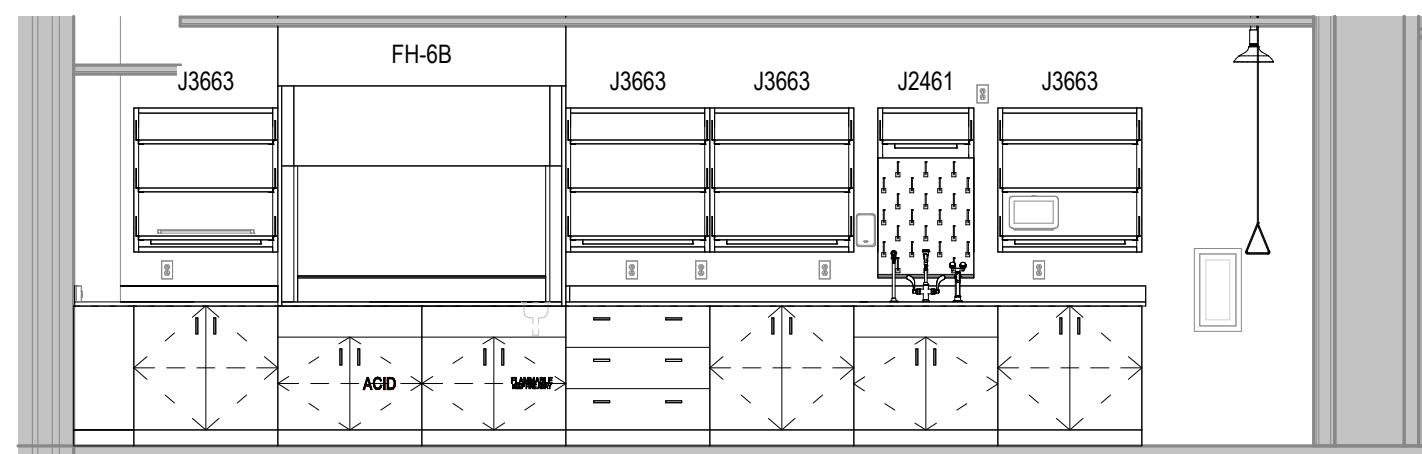
15 EL - 112A - Lab Support - North
1/4" = 1'-0"



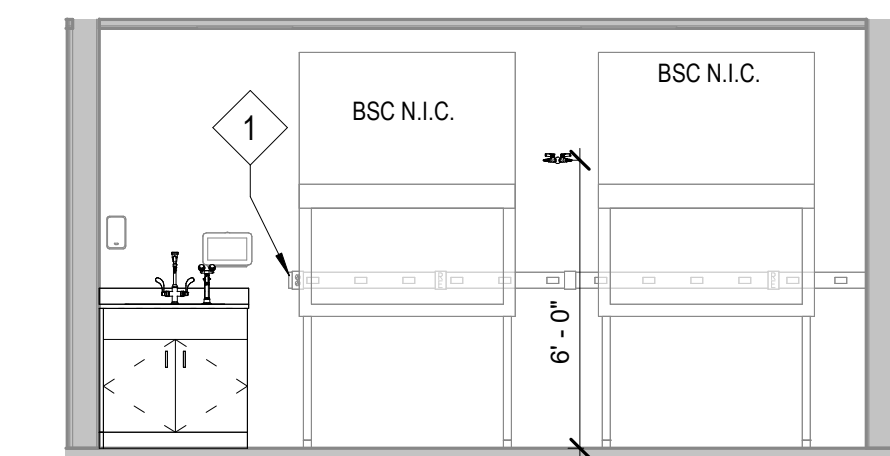
16 EL - 112 - Research Lab (2 PI) - West
1/4" = 1'-0"



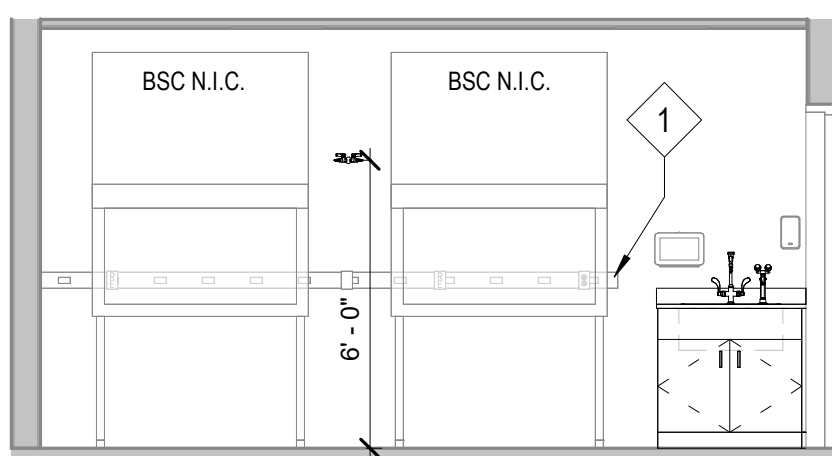
17 EL - 112 - Research Lab (2 PI) - North
1/4" = 1'-0"



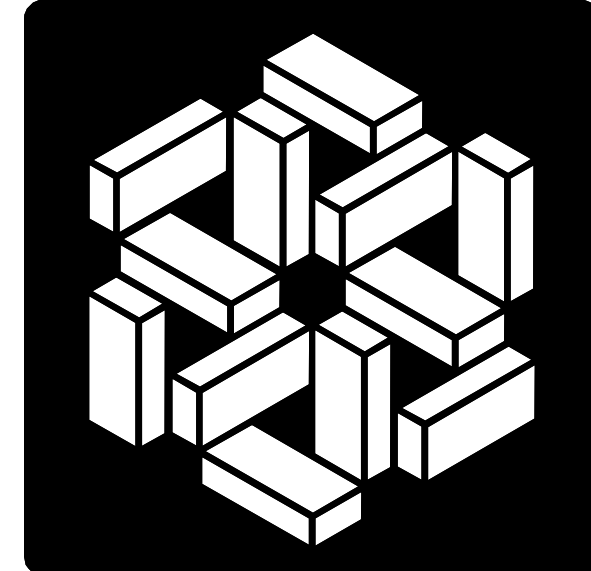
18 EL - 112 - Research Lab (2 PI) - East
1/4" = 1'-0"



19 EL - 106B - Lab Support - North
1/4" = 1'-0"



20 EL - 106A - Lab Support - South
1/4" = 1'-0"



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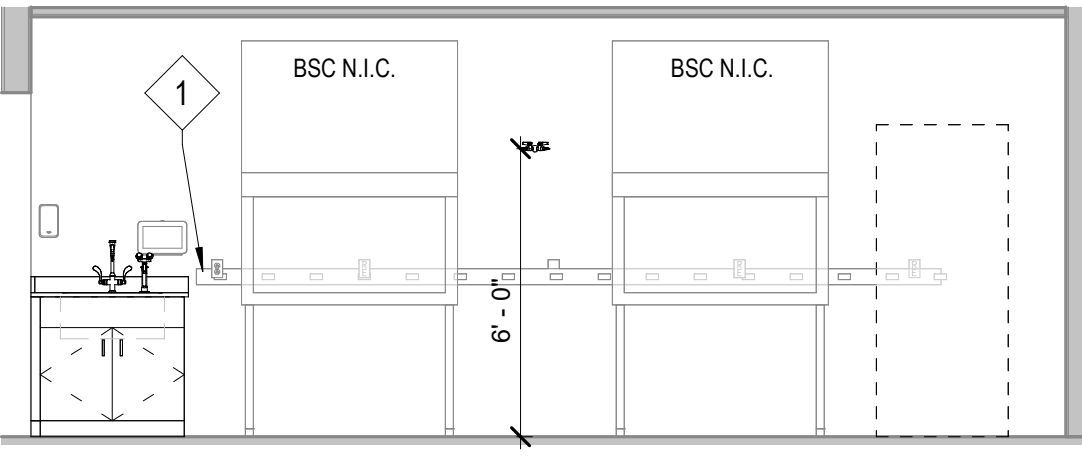
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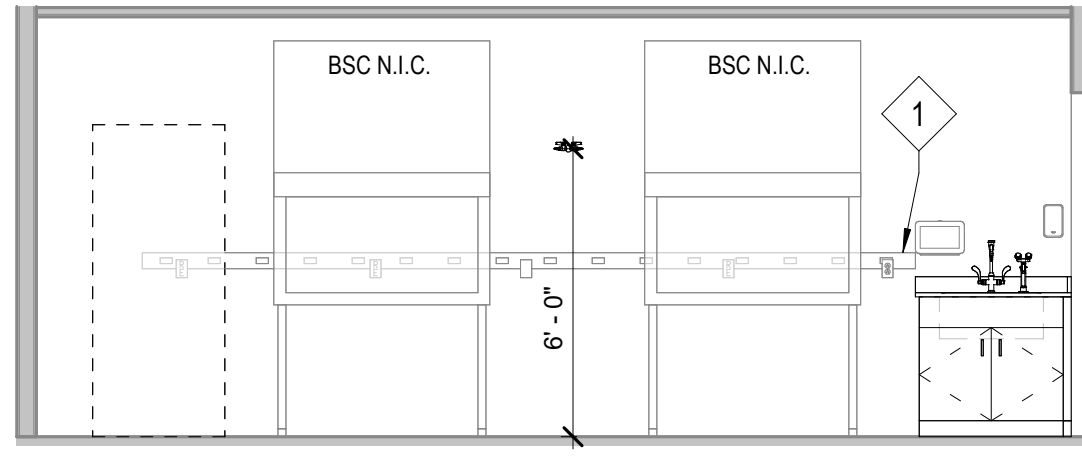
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Bid Set

SHEET TITLE
Laboratory Interior
Elevations

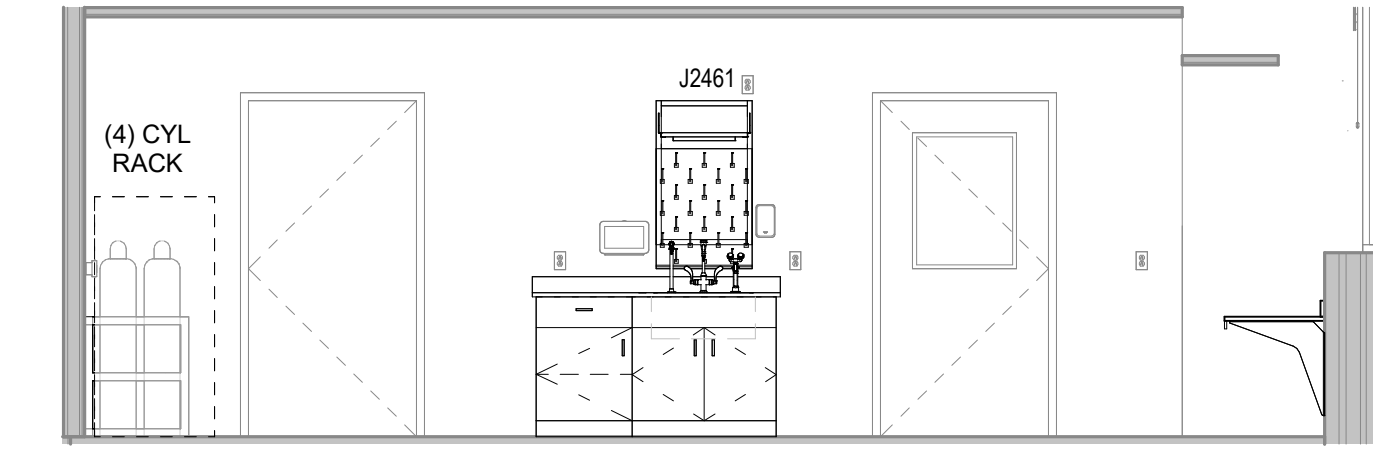
SHEET NUMBER
QL501



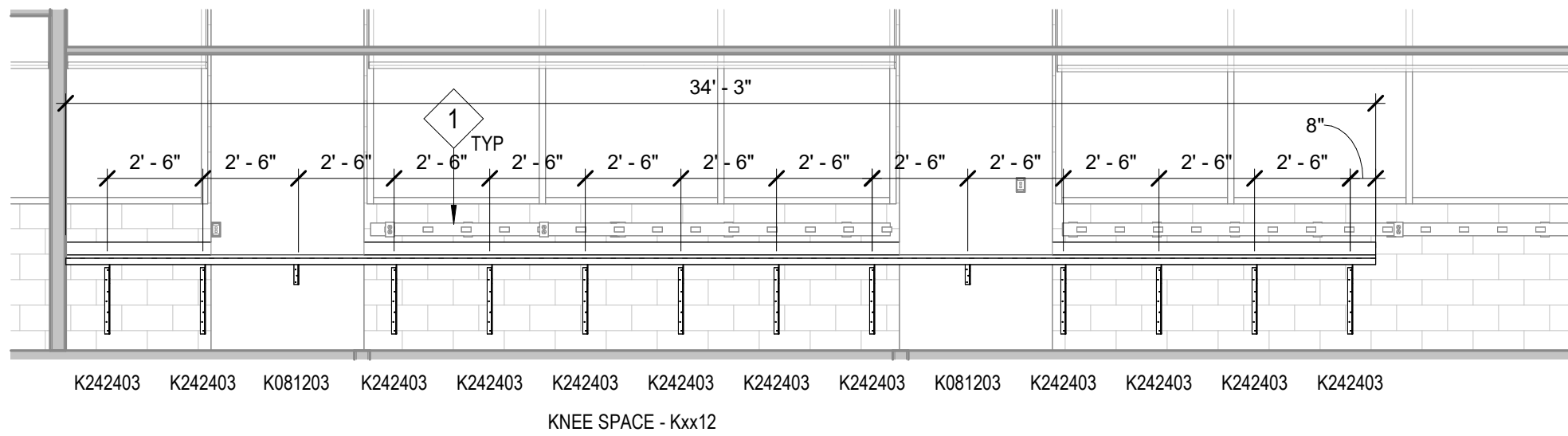
2 EL - 207B - Lab Support - South
1/4" = 1'-0"



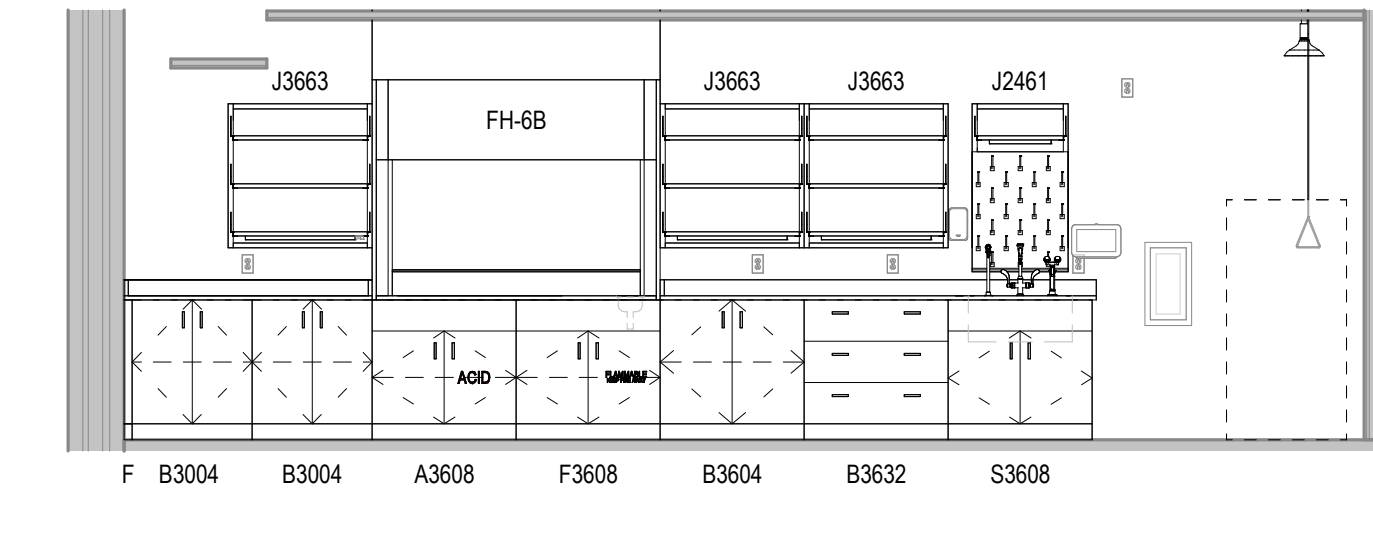
3 EL - 207A - Lab Support - North
1/4" = 1'-0"



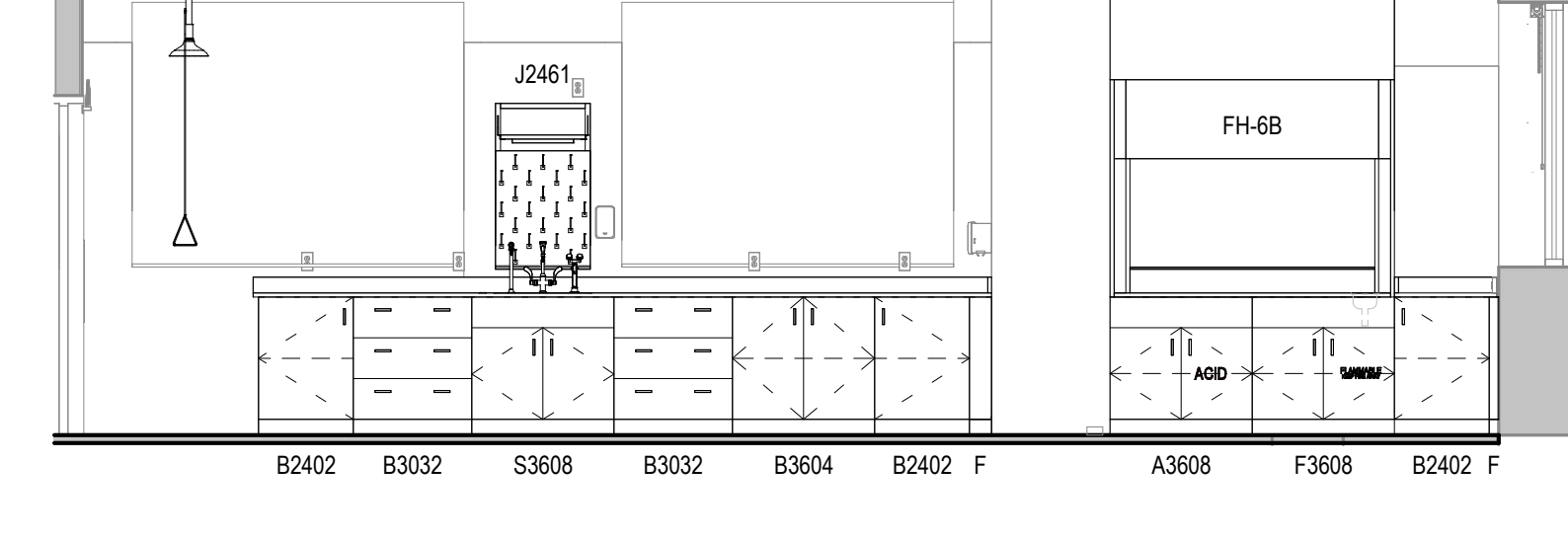
5 EL - 207 - Research Lab (2 PI) - West
1/4" = 1'-0"



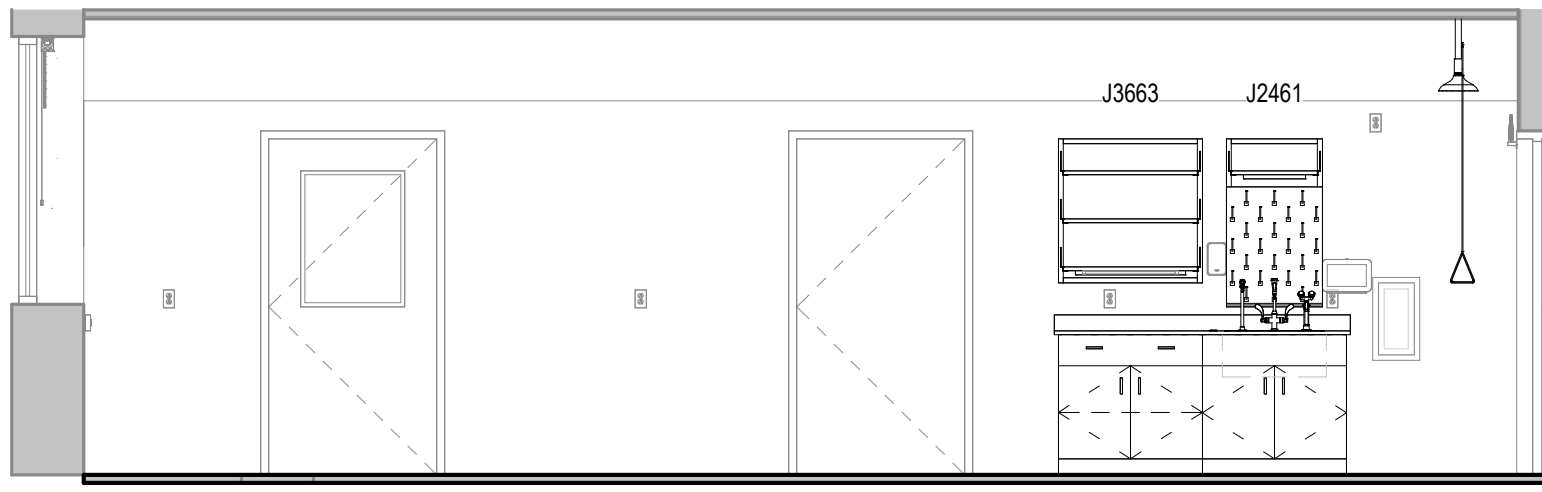
6 EL - 207 - Research Lab (2 PI) - North
1/4" = 1'-0"



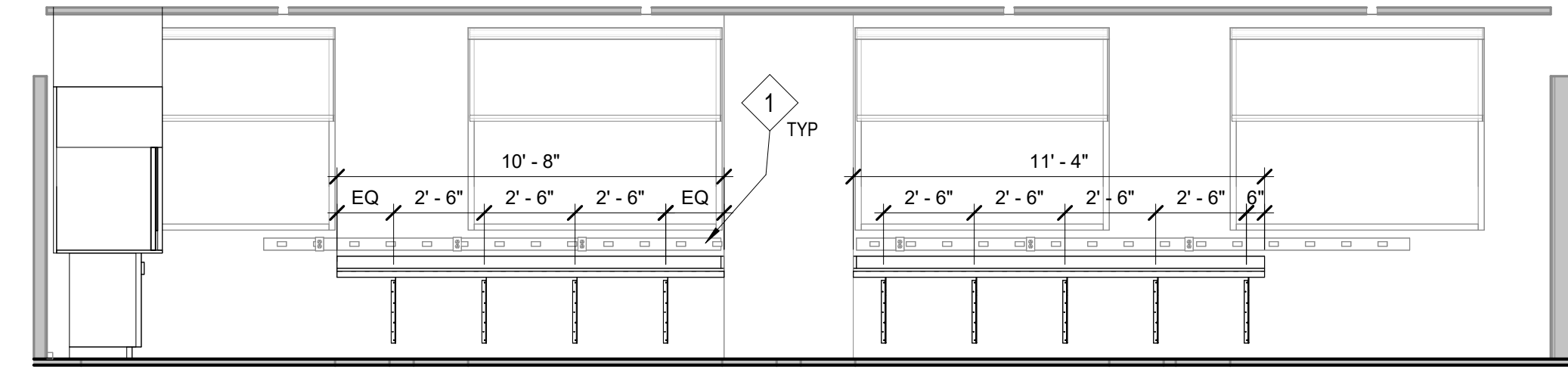
8 EL - 207 - Research Lab (2 PI) - East
1/4" = 1'-0"



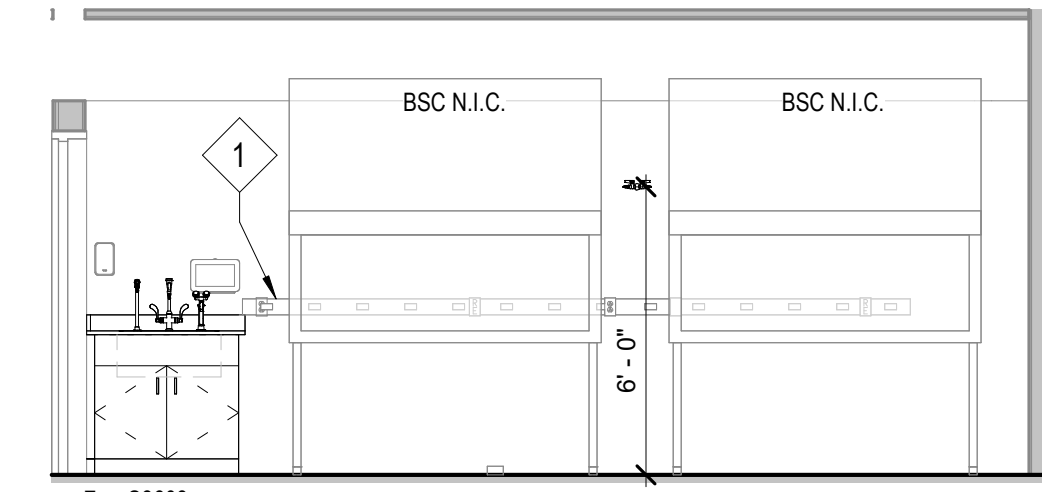
9 EL - 2001 - Research Lab (2 PI) - North
1/4" = 1'-0"



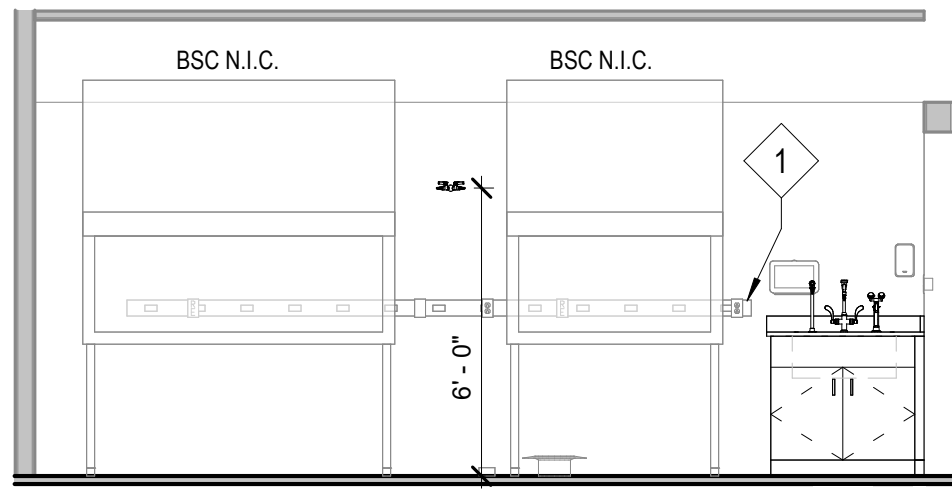
12 EL - 2001 - Research Lab (2 PI) - South
1/4" = 1'-0"



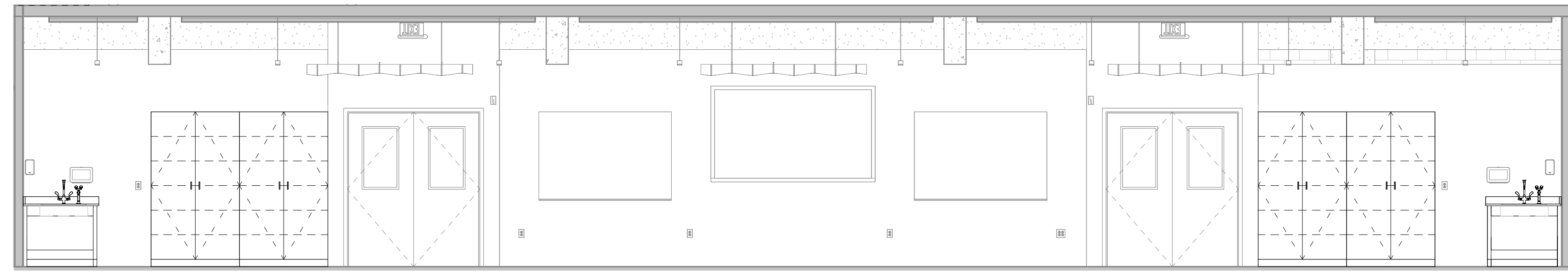
11 EL - 2001 - Research Lab (2 PI) - East
1/4" = 1'-0"



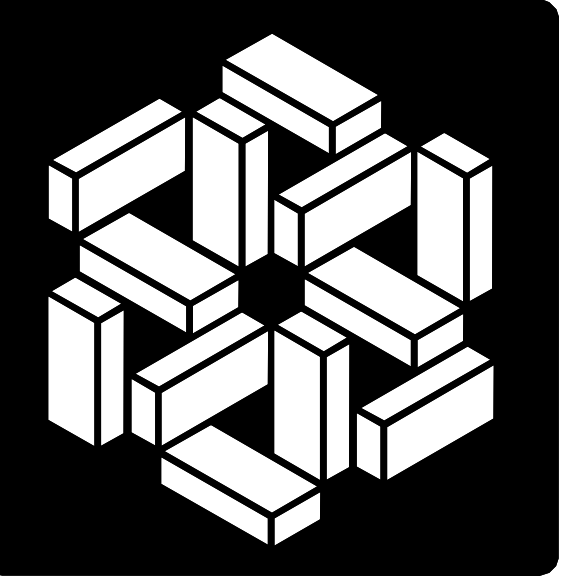
16 EL - 2001B - Lab Support - East
1/4" = 1'-0"



17 EL - 2001A - Lab Support - West
1/4" = 1'-0"



13 EL - 209 - Teaching Lab - South
1/4" = 1'-0"



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8097.02	05-22-2026
REV.	DATE

NET DESCRIPTION

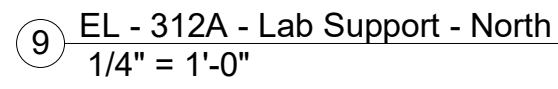
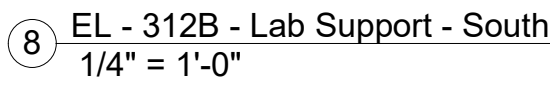
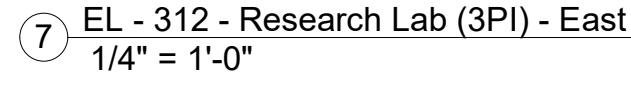
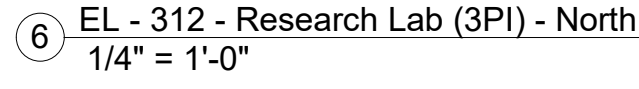
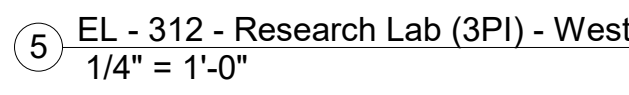
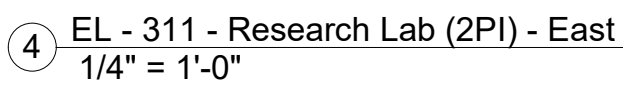
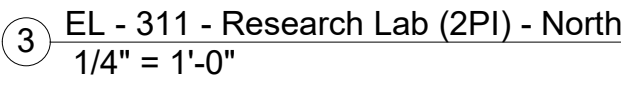
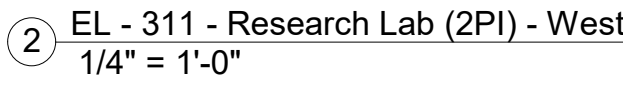
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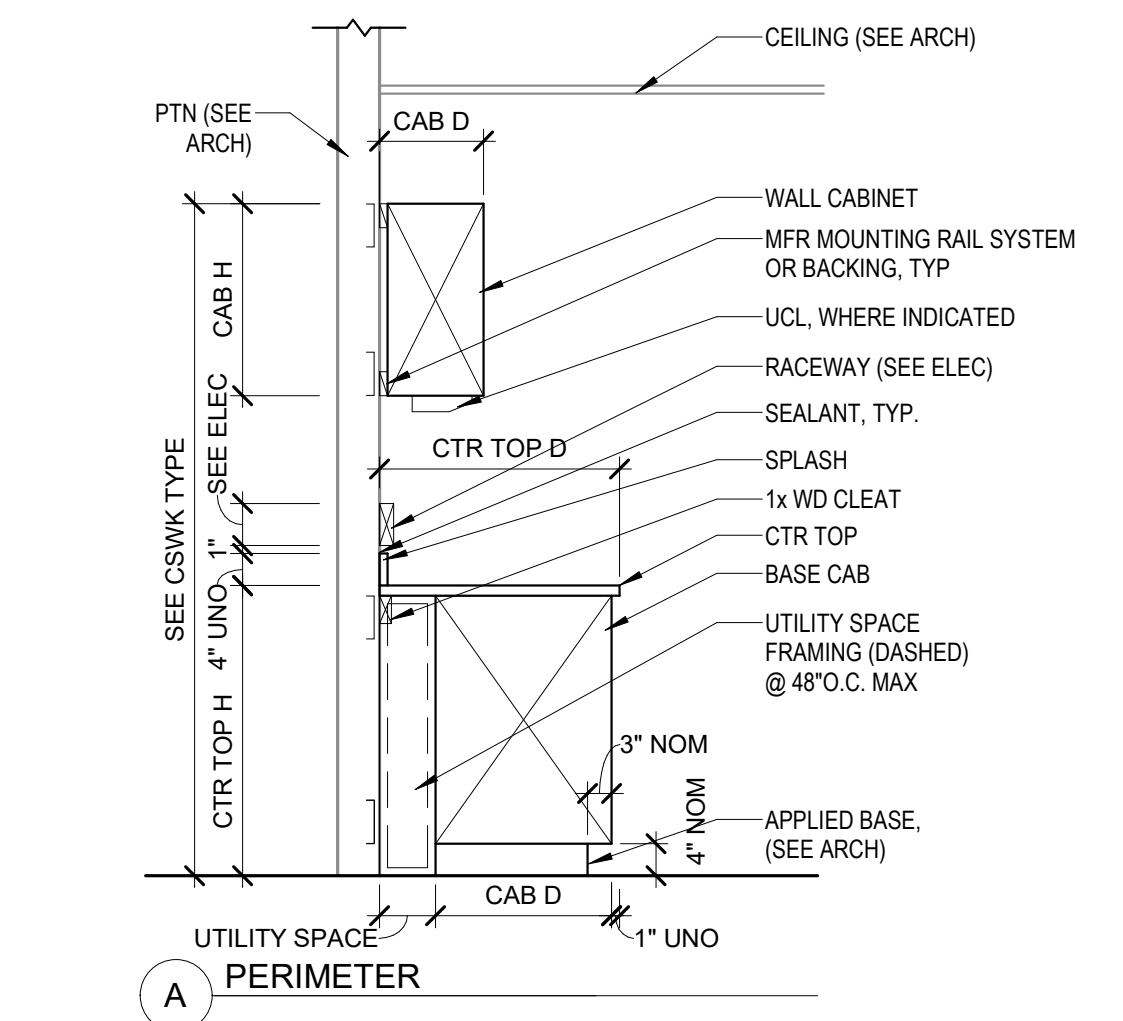
SHEET TITLE

**Laboratory Interior
Elevations**

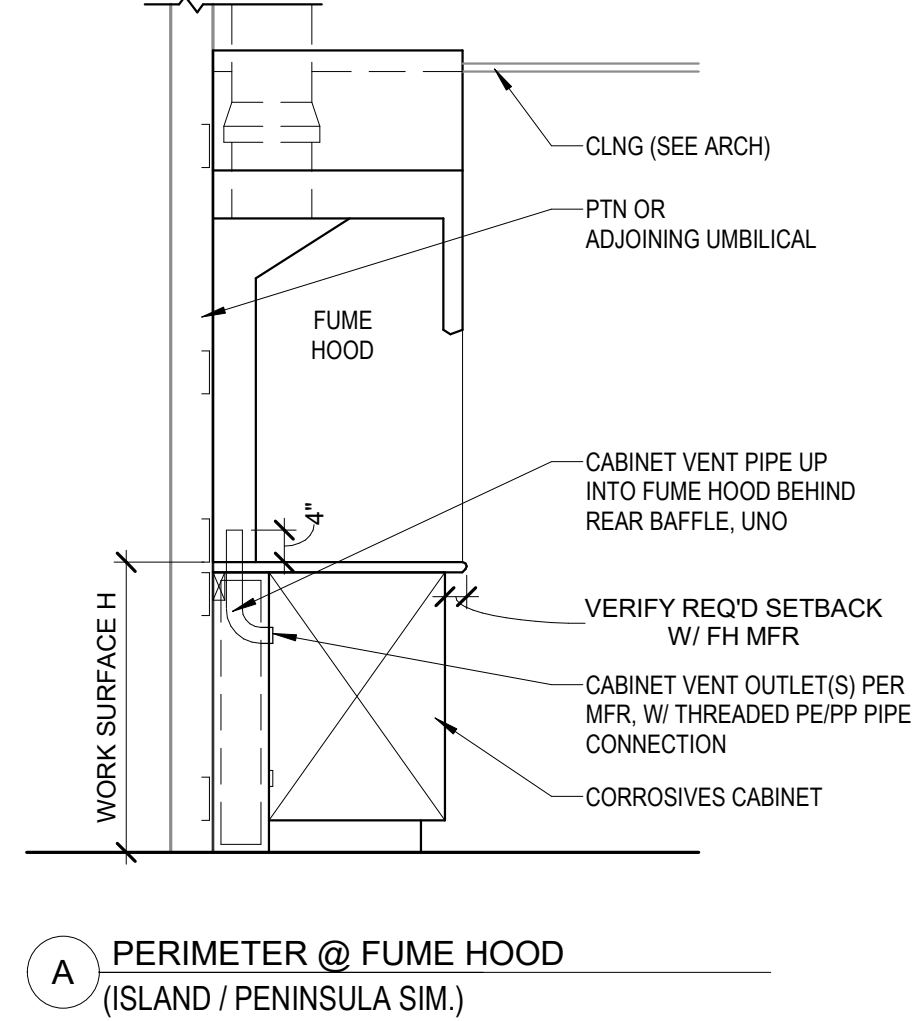
SHEET NUMBER

QL503

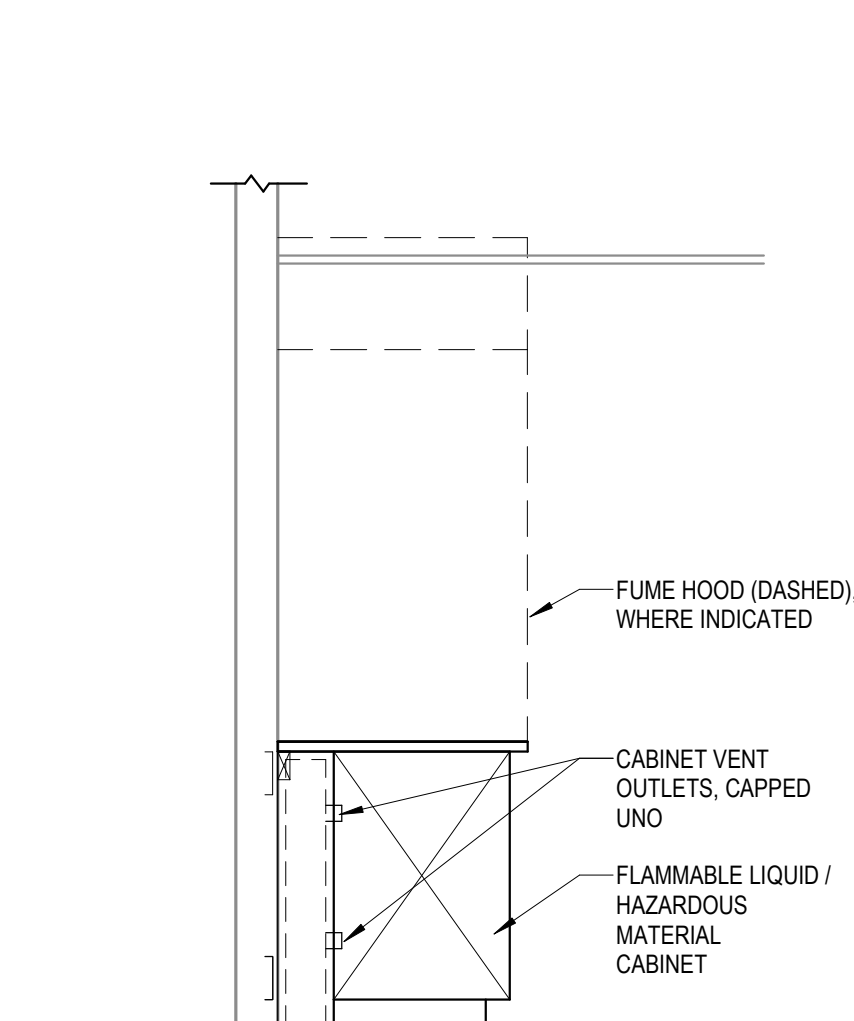
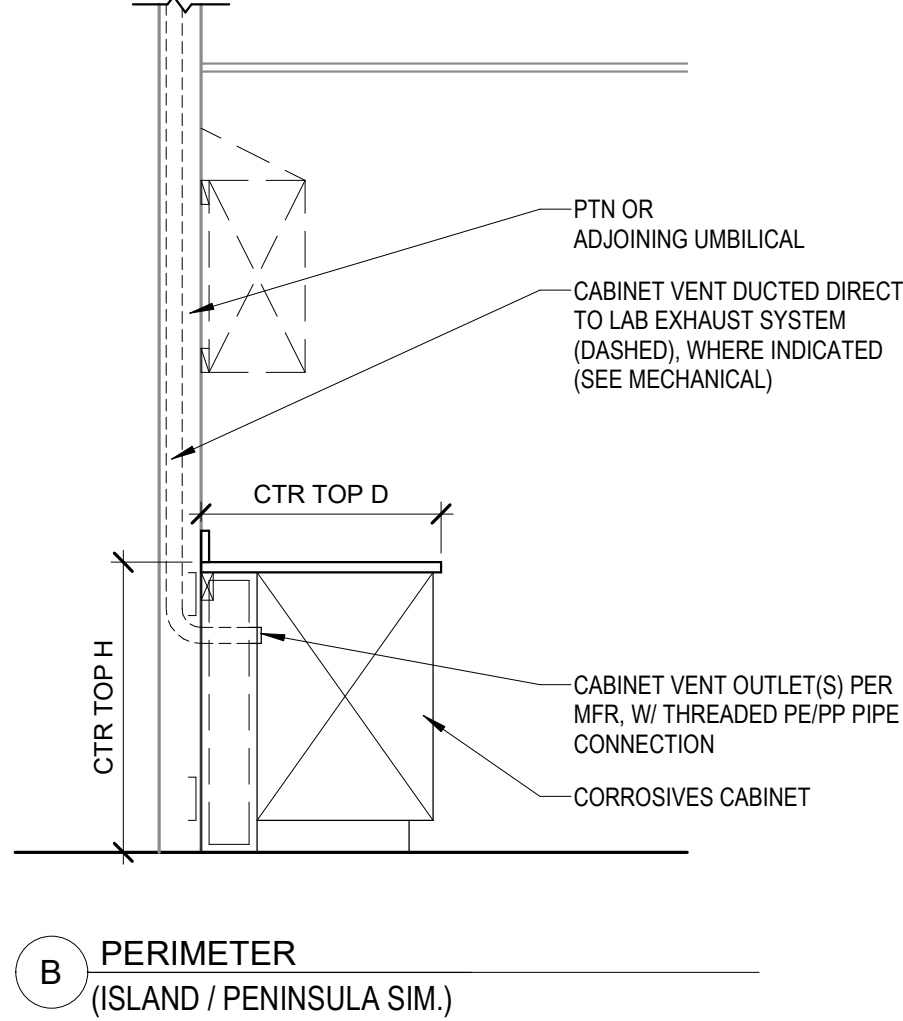




1 SECTION - TYP BASE / WALL CABINETS
1/2" = 1'-0"



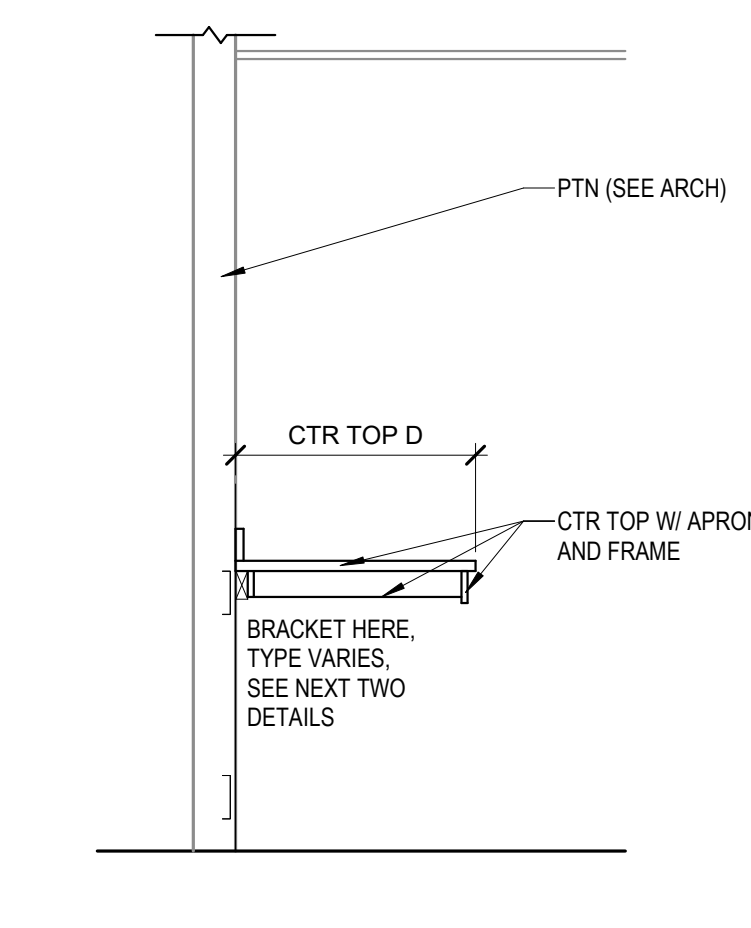
2 SECTION - TYP CORROSIVES CABINETS
1/2" = 1'-0"



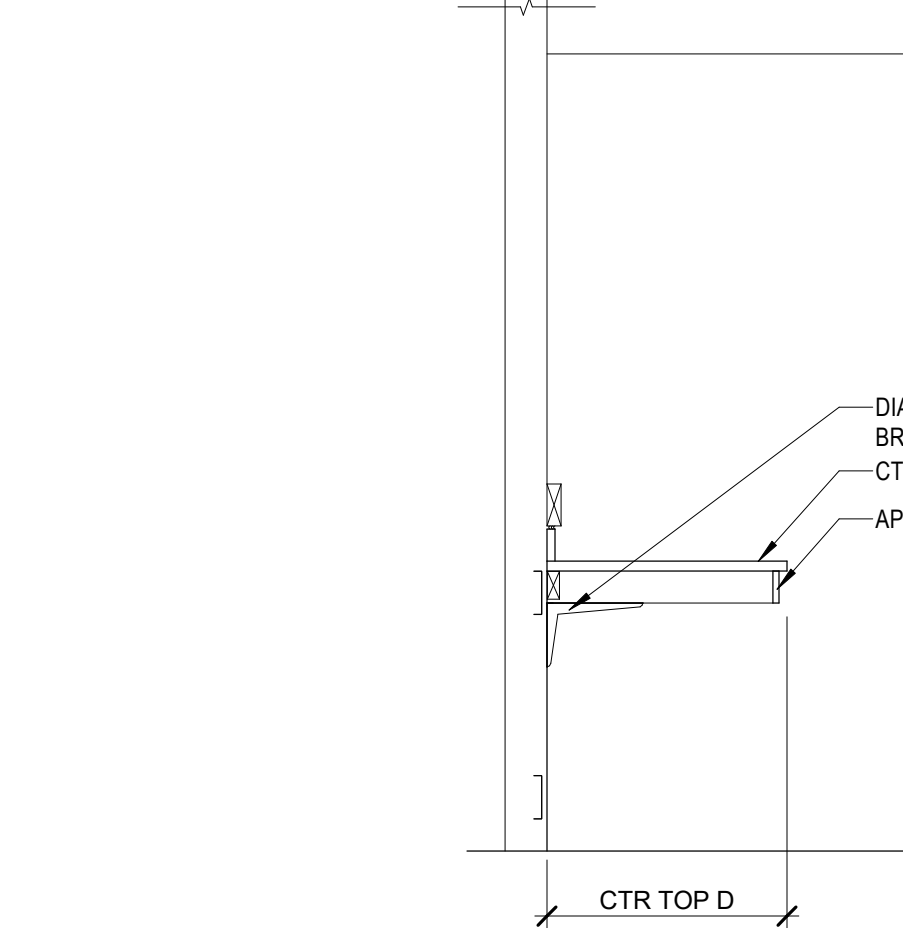
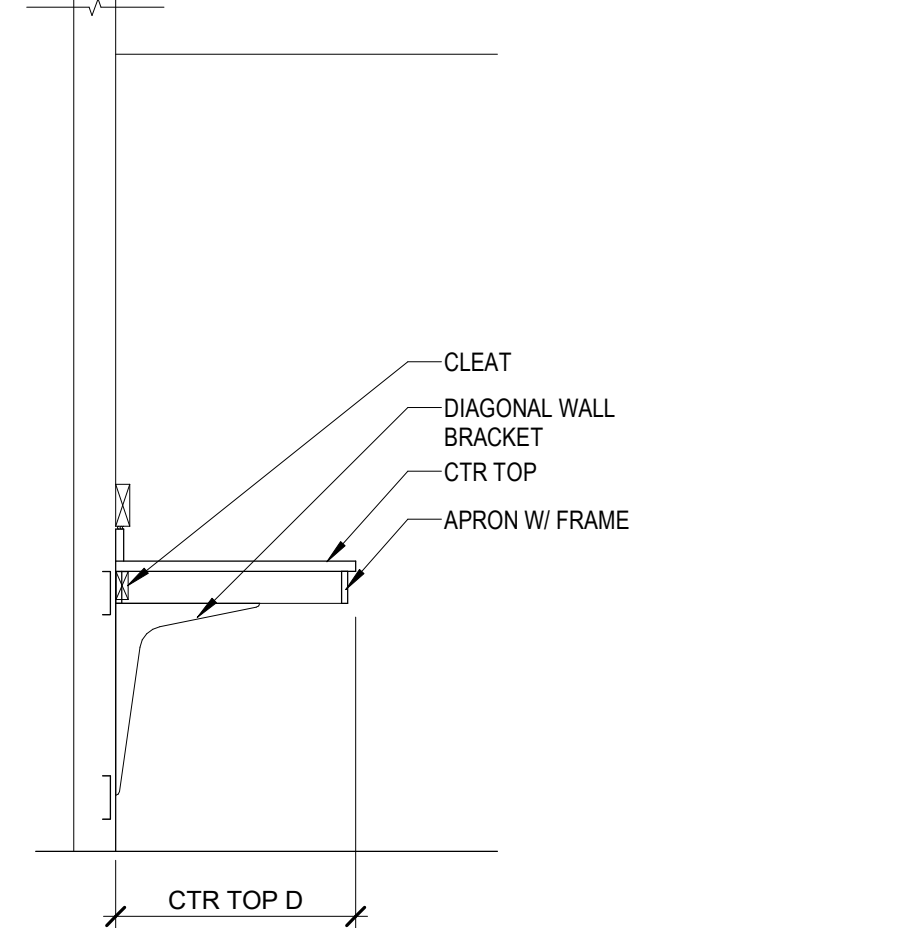
4 SECTION - KNEE SPACE, SUPPORTED
1/2" = 1'-0"

5 SECTION - KNEE SPACE SUPPORT BRACKET K242403
1/2" = 1'-0"

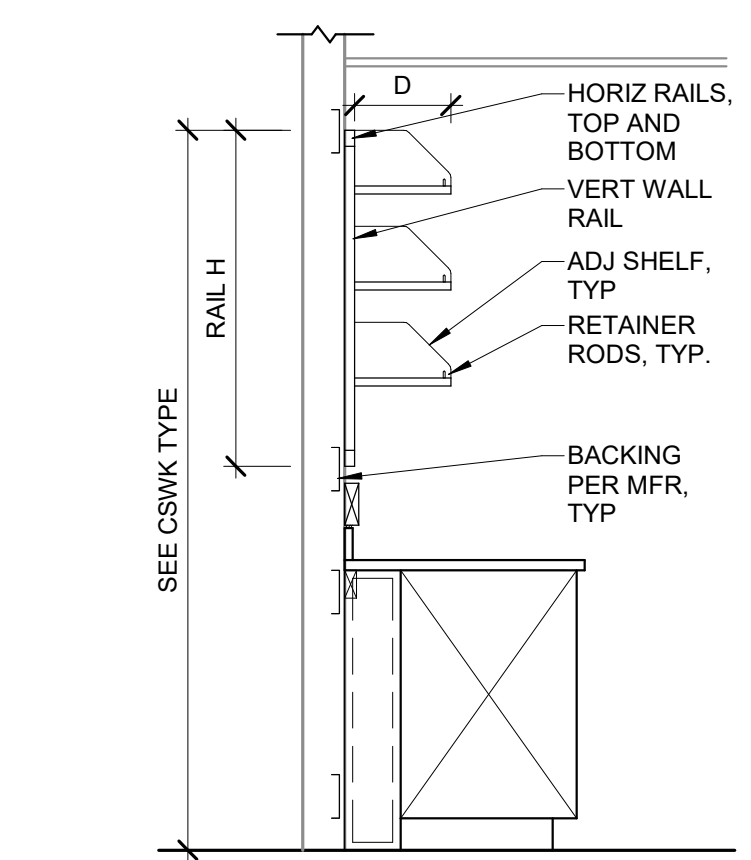
6 SECTION - KNEE SPACE SUPPORT BRACKET K2081203
1/2" = 1'-0"



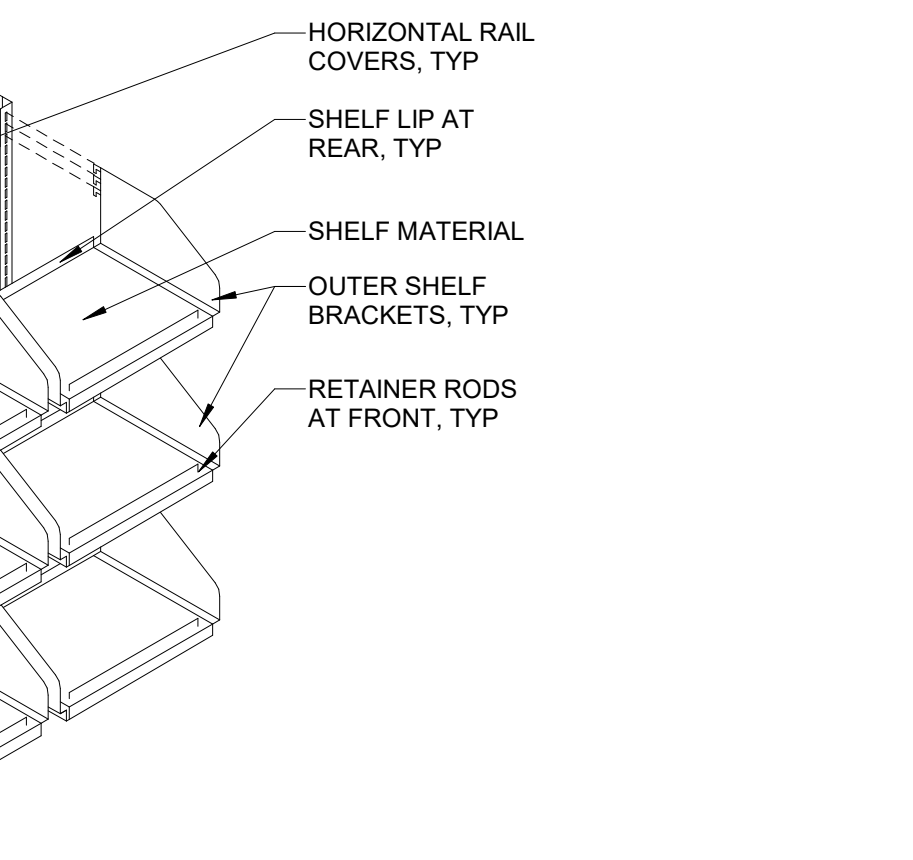
7 SECTION - ADJUSTABLE WALL RAIL SHELVING SYSTEM
1/2" = 1'-0"



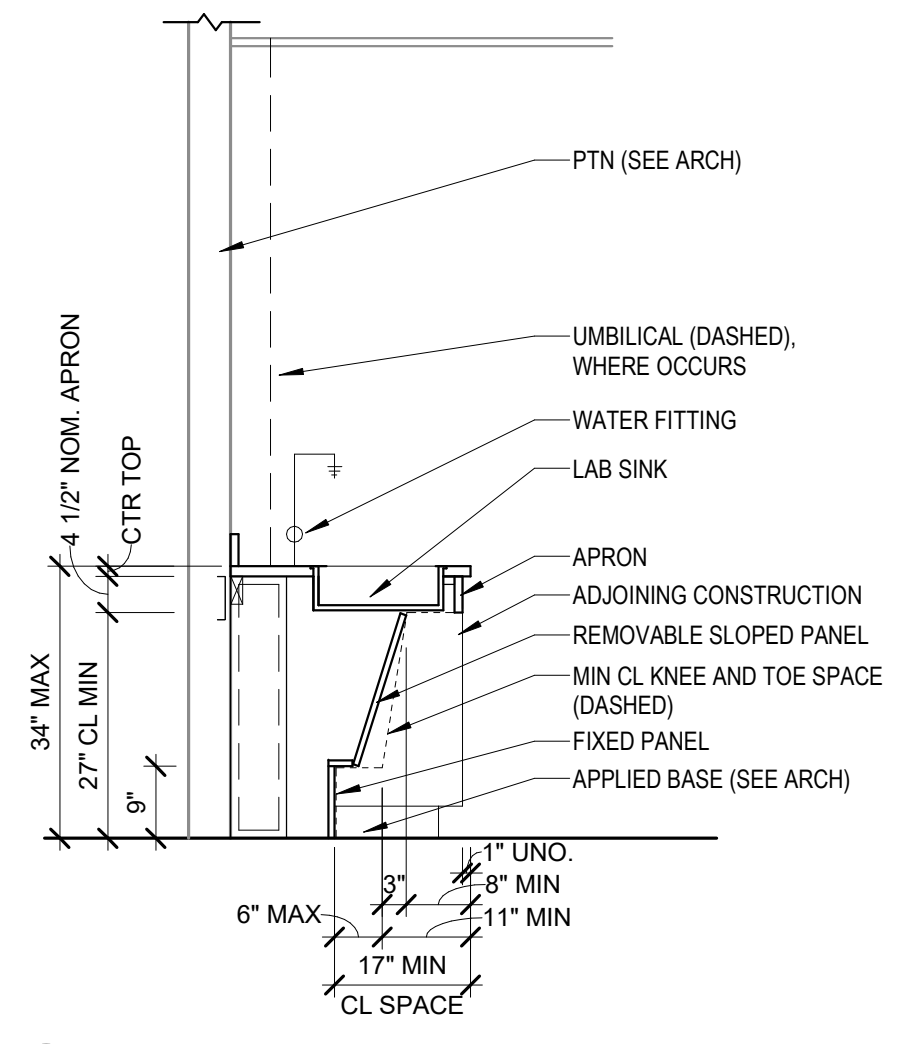
9 SECTION - TYP TALL CABINET
1/2" = 1'-0"



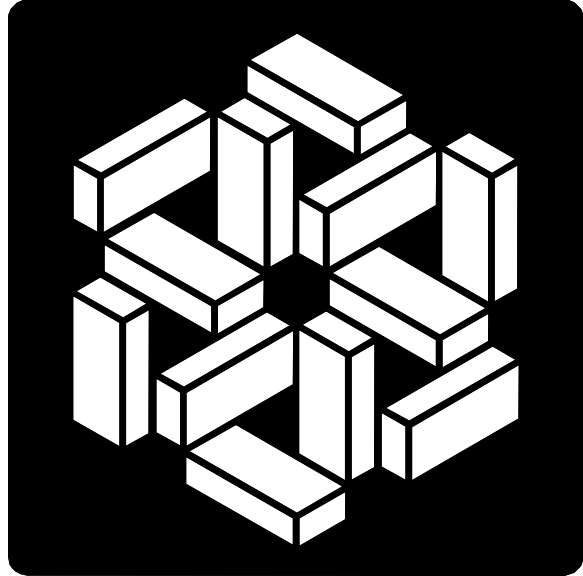
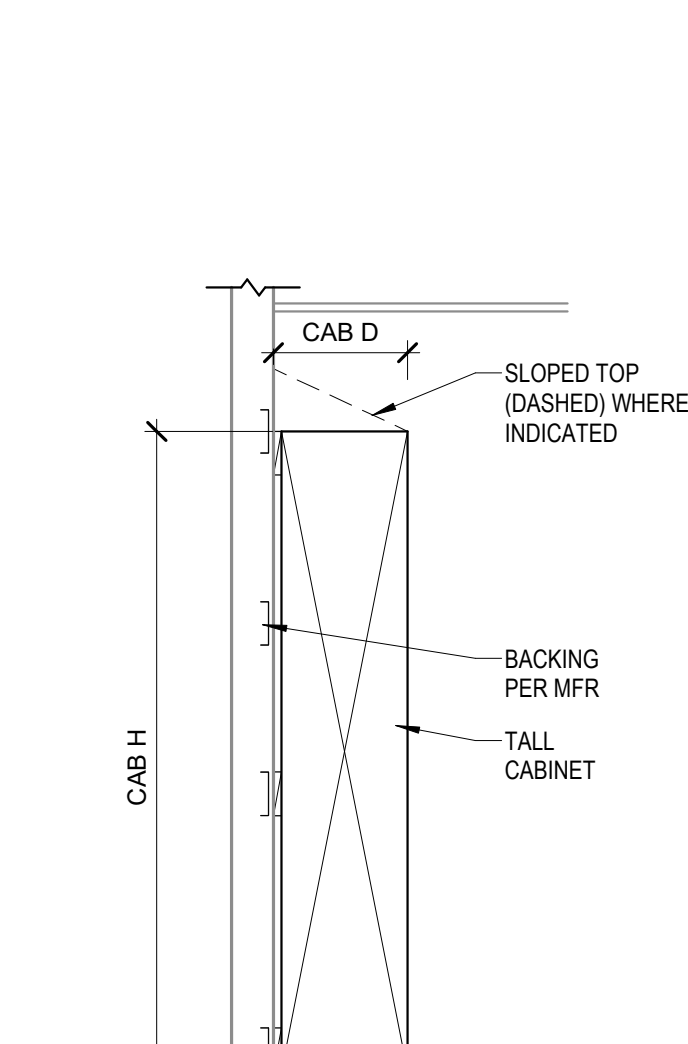
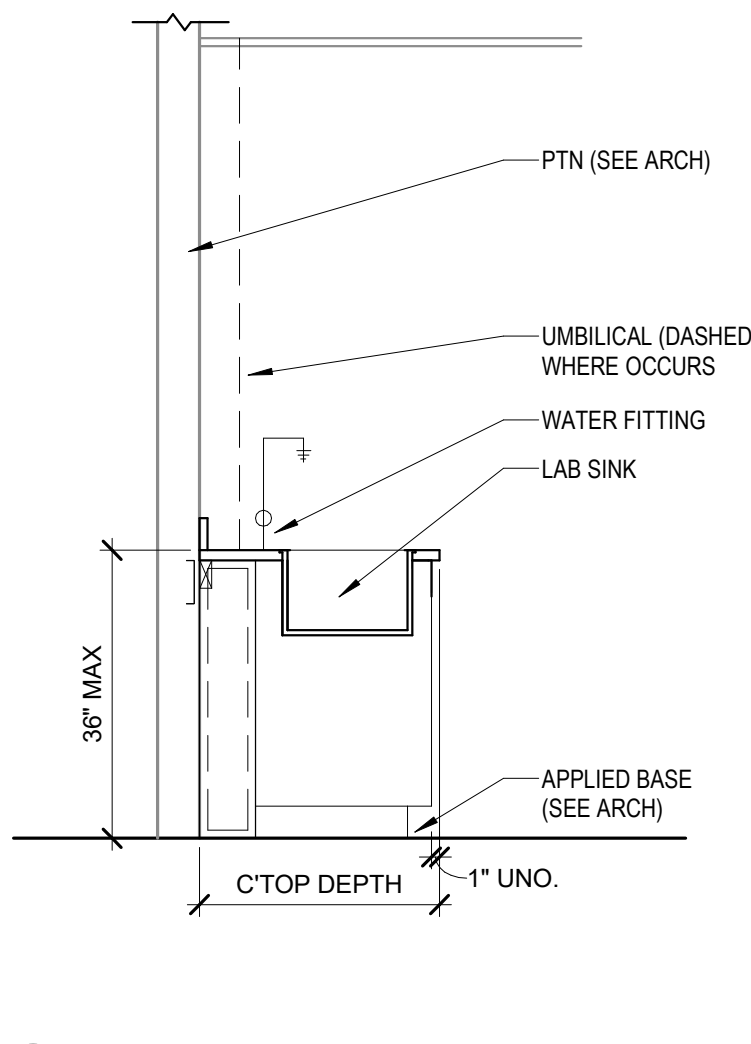
10 SECTION - COUNTER WITH WALL MOUNTED BRACKETS
1/2" = 1'-0"



11 SECTION - ADJUSTABLE WALL RAIL SHELVING SYSTEM
1/2" = 1'-0"



12 SECTION - KNEE SPACE SUPPORT BRACKET K2081203
1/2" = 1'-0"



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HERA laboratory planners
609 E. Lockwood Ave., Suite
204, St. Louis, MO 63119
314.289.9202

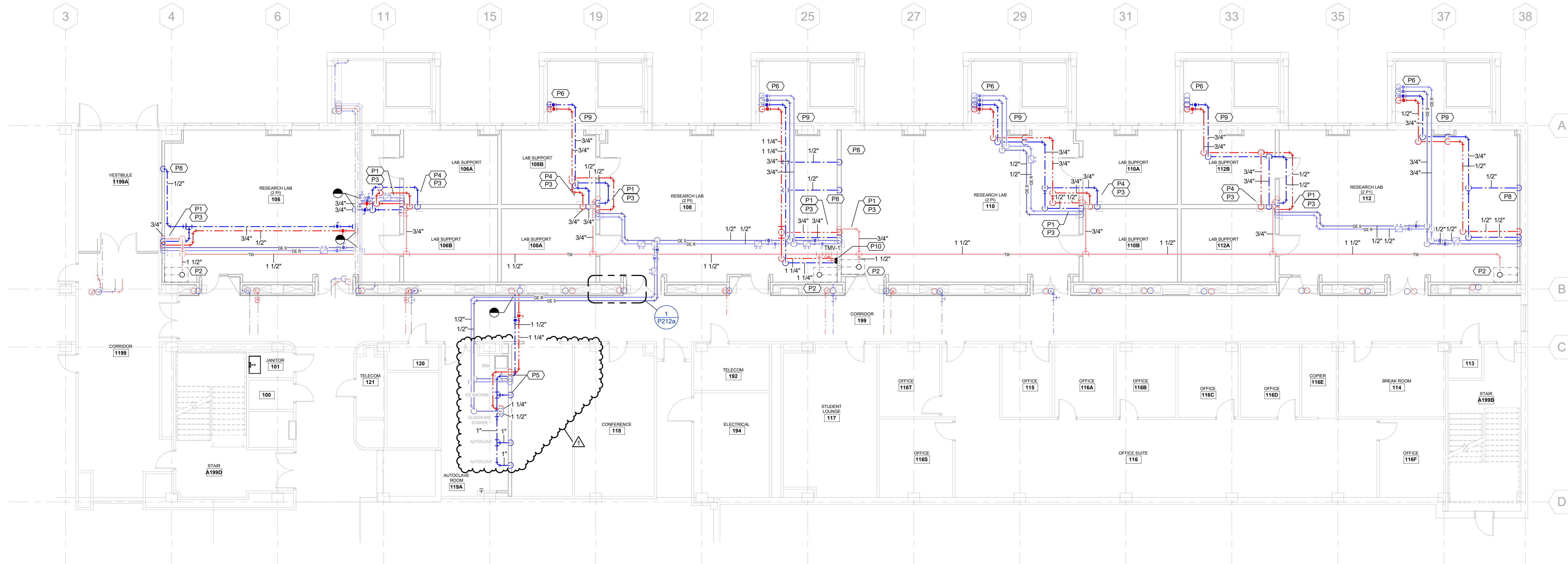


Project Number: 20240023
**Indiana University VanNuys Med
Sci Building Lab Renovation**
635 Barnhill Dr, Indianapolis, IN 46202

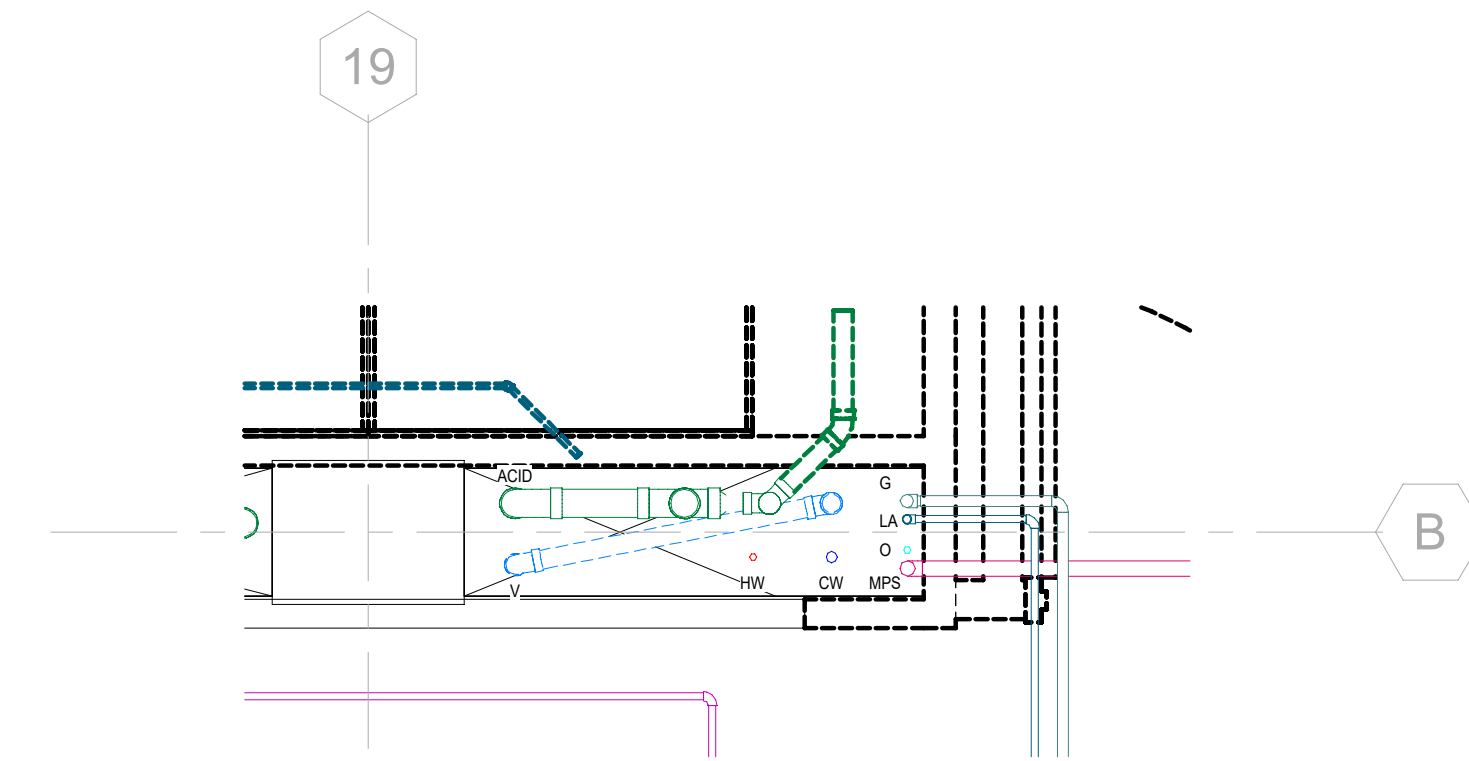
PROJECT NO. 8097.02	DATE 05-22-2026
REV.	DATE

SET DESCRIPTION Bid Set
SHEET TITLE Laboratory Casework Details
SHEET NUMBER QL901

7/14/2026 1:47:04 PM



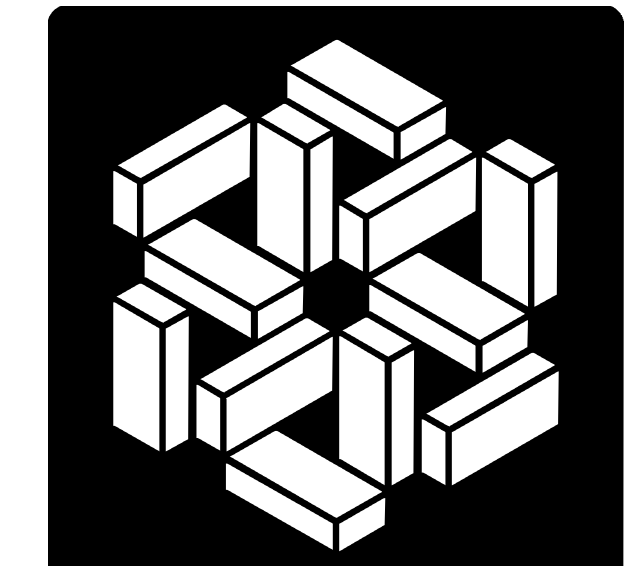
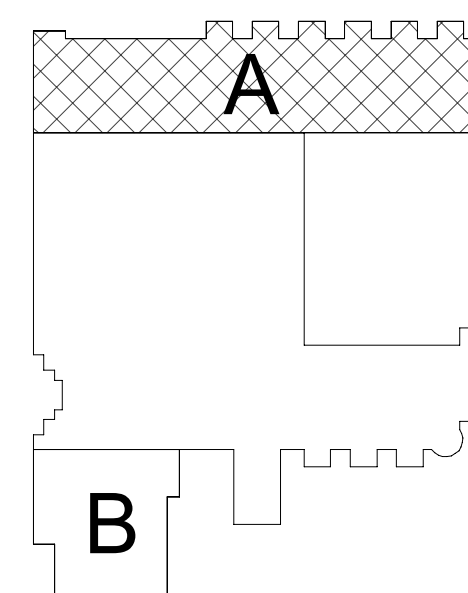
Phase 2 First Floor Domestic Plan Area A
1/8" = 1'-0"



1 Typical Corridor Pipe Chase
Not to Scale

Specific Plan Notes	
P1	1/2" HW/CW, 1/2" DEIONIZED WATER DROPS TO LAB SINKS. 3/4" TEMPERED WATER DROP TO EMERGENCY EYEWASH. TYPICAL ALL RESEARCH LAB SINK LOCATIONS.
P2	EMERGENCY SHOWER FURNISHED BY LAB CONTRACTOR AND INSTALLED BY PC. SERVED BY 1 1/2" TEMPERED WATER LINE.
P3	LAB SINK FURNISHED AND INSTALLED BY LAB CONTRACTOR. FAUCET(S) FURNISHED BY LAB CONTRACTOR, INSTALLED BY PC. EYEWASH FURNISHED BY LAB CONTRACTOR, INSTALLED BY PC.
P4	1/2" HW/CW DROPS TO LAB SINKS. 3/4" TEMPERED WATER DROP TO EMERGENCY EYEWASH. TYPICAL ALL LAB SUPPORT SINK LOCATIONS.
P5	1/2" CW/HW DROP TO SKULLERY SINK. 1/2" CW DROP TO ICE MACHINE. SINK, ICE MACHINE, GLASSWARE WASHER, AUTOCLAVE BY LAB CONTRACTOR. PIPING BY PLUMBING CONTRACTOR.
P6	NEW PIPING ROUTED THROUGH NORTH CHASE FROM EXISTING CONNECTIONS IN LOWER LEVEL.
P8	1/2" CW DROP TO FUME HOOD CUP SINK. CUP SINK BY LAB CONTRACTOR.
P9	TYPICAL. CONTRACTOR TO CORE DRILL EXTERIOR WALL AT PIPE PENETRATION AND SEAL.
P10	THERMOSTATIC MIXING VALVE FOR EMERGENCY FIXTURES CAN BE LOCATED IN CEILING SPACE.

KEY PLAN



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A Project for:
**Indiana University VanNuys Med
Sci Building Lab Renovation**
Project Number: 20240023
635 Barnhill Dr, Indianapolis, IN 46202

PROJECT NO. 8097	DATE 01-15-2025
REV. 1 Addendum 2	DATE 07/17/2026

SET DESCRIPTION
Construction Set

SHEET TITLE
First Floor Domestic
Plan Area A

SHEET NUMBER

P212a