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NG				S SYLVAN A	Const and F	
	ARCHITECT/	'ENGINE	ER OF RECORD	AMPRILIM	Offi	ice
IMAGE: GOOGLE EARTH						
	REVISION		REVISIONS ARE SHOWN WITHIN "CLOUDED" AREA REVISION NUMBER & DATE WILL APPEAR IN TITLE BLOCK SPACE SO LABELED		TING GRID LINE	
	PLAN & SECTION DETAIL REFERENCE		LOCATION ON DRAWING SHEET 1 LOCATION ON DRAWING SHEET	DE	MOLITION NOTE	•
	INTERIOR ELEVATION	A101	- SHEET LOCATION WHERE ELEVATION IS LOCATED	CONST	RUCTION NOTE	
			<ul> <li>NUMBER INDICATES ELEVATION ON SHEET</li> </ul>	INTERIO	EXTERIOR AND R STOREFRONT	
	ELEVATION	1 A101	ARROW INDICATES DIRECTION OF SHEET LOCATION WHERE ELEVAT LOCATED	ION IS	EXTERIOR AND RIOR WINDOWS	
	BUILDING WALL SECTION	1 SIM A101	LOCATION ON DRAWING SHEET SHEET DETAIL IS LOCATED		DOORS	
	SUBSYSTEM		ASSEMBLY			ΝŪ

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**DRAWING LIST** Revision No. SHEET # SHEET TITLE G001 COVER SHEET LIFESAFETY, ABBREVIATIONS & CODE NOTES INFECTION CONTROL RISK ASSESSMENT G004 CONSTRUCTION SUB-SYSTEMS AND PARTITION TYPES ARCHITECTURAL AD101 THIRD FLOOR PARTIAL DEMOLITION PLAN THIRD FLOOR PARTIAL PLANS INTERIOR ELEVATION, DETAILS AND DOOR SCHEUDLE A102 THIRD FLOOR FINISH & EQUIPMENT, PLANS & SCHEDULES A103 PLUMBING P001 MECHANICAL SYMBOLS, NOTES, AND ABBREVIATIONS P101 MECHANICAL THIRD FLOOR DEMOLITION & NEW WORK PLANS MECHANICAL MECHANICAL SYMBOLS, NOTES, AND ABBREVIATIONS M-001 M-101 MECHANICAL THIRD FLOOR DEMOLITION & NEW WORK PLANS

ELECTRICAL E-001 E-101

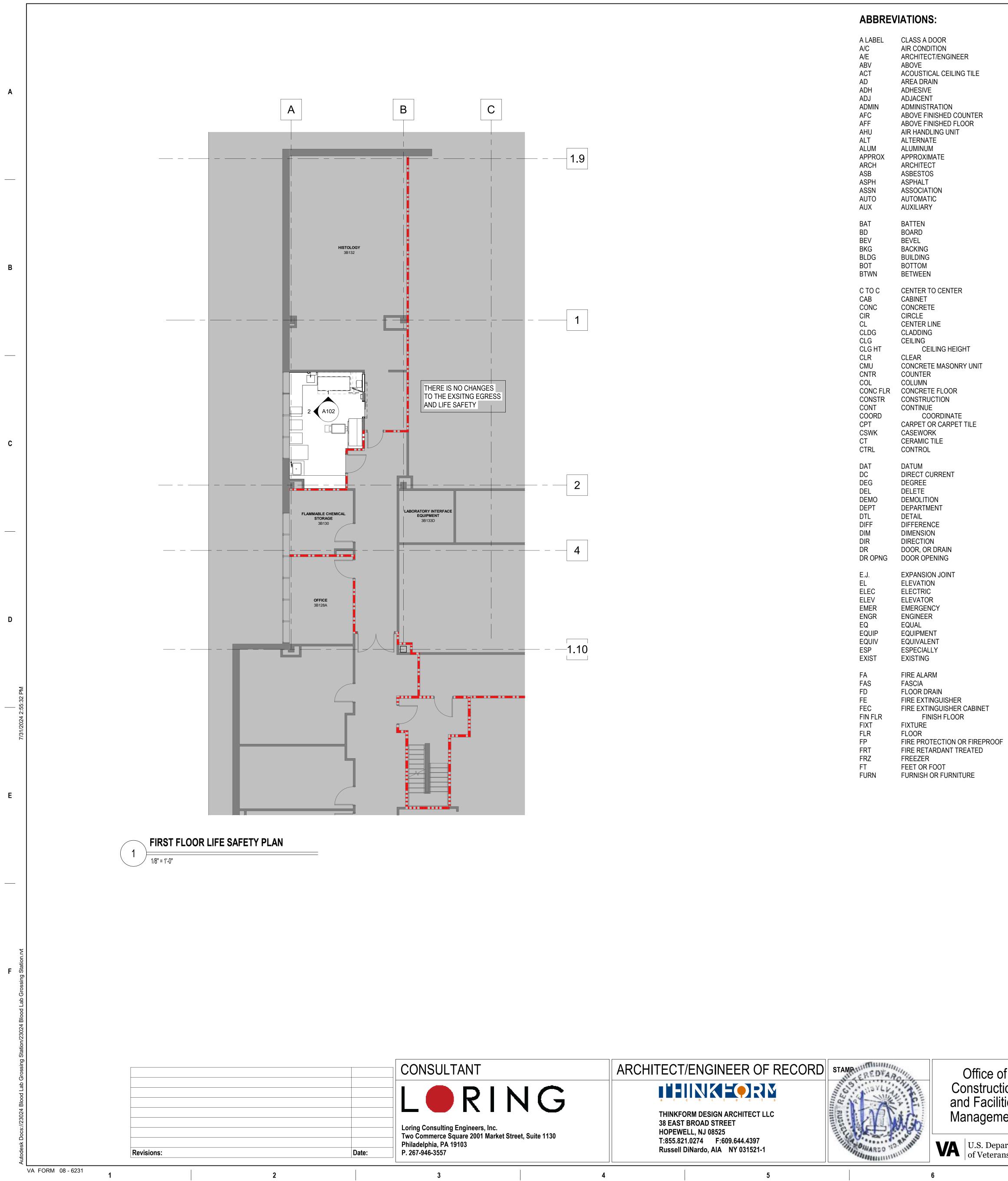
ELECTRICAL SYMBOL LIST, NOTES, AND ABBREVIATIONS

### SUBMISSION REVIEW LOG: NAME DIVISION ROOM NUMBER ROOM NAME REFERS TO NUMBER ON CONCUR DO NOT CONCUR DATE FLOOR PLAN 101 REFERS TO NUMBER ON DOOR DIVISION NAME (101A) SCHEDULE, SEE SHEET A401 CONCUR DO NOT CONCUR DATE **REFERS TO INTERIOR PARTITIONS,** $\langle 1 \rangle$ NAME DIVISION SEE SHEET G004 CONCUR DO NOT CONCUR DATE REFERS TO FRAME TYPE, SEE # ENLARGED ELEVATIONS ON SHEET A402 NAME DIVISION CONCUR DO NOT CONCUR DATE REFERS TO FRAME TYPE, SEE SF 00 ENLARGED ELEVATIONS ON SHEET A402 NAME DIVISION CONCUR DO NOT CONCUR DATE REFERS TO CONSTRUCTION NOTES ON THAT SHEET NAME DIVISION REFERS TO DEMOLITION CONCUR DO NOT CONCUR DATE NOTES ON THAT SHEET DIVISION NAME REFERS TO EXISTING GRID 0 CONCUR DO NOT CONCUR DATE LINES IN PROJECT 0 **REFERS TO NEW GRID LINES** $\checkmark$

of ction lities	Drawing Title COVER SHEET	Phase CONSTRUCTI DRAWINGS	ON	Project Title 23024 3rd Flr. Station	Blood Lab C	Grossing	Project Number 642.22.135 Building Number 2
ment	Approved:			Location 3900 WOODLAND AVI	e philadelphia p	A 19104	Drawing Number
partment cans Affairs				Issue Date 08/01/2024	Checked A H	Drawn D K	G001
	7	8		9			10

ELECTRICAL THIRD FLOOR DEMOLITION & NEW WORK PLANS

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	4		5		6
				ABBREV	/IATIONS:
	1.9			A LABEL A/C A/E ABV ACT AD ADH ADJ ADMIN AFC AFF AHU ALT ALUM APPROX ARCH ASB ASPH ASSN AUTO AUX	CLASS A DOOR AIR CONDITION ARCHITECT/ENGINEER ABOVE ACOUSTICAL CEILING TILE AREA DRAIN ADHESIVE ADJACENT ADMINISTRATION ABOVE FINISHED COUNTER ABOVE FINISHED FLOOR AIR HANDLING UNIT ALTERNATE ALUMINUM APPROXIMATE ARCHITECT ASBESTOS ASPHALT ASSOCIATION AUTOMATIC AUXILIARY
				BAT BD BEV BKG BLDG BOT BTWN	BATTEN BOARD BEVEL BACKING BUILDING BOTTOM BETWEEN
CHANGES NG EGRESS	1			C TO C CAB CONC CIR CL CLDG CLG CLG HT CLR CMU CNTR COL CONC FLR CONSTR CONSTR CONT COORD CPT CSWK CT CT CTRL	CENTER TO CENTER CABINET CONCRETE CIRCLE CENTER LINE CLADDING CEILING CEILING HEIGHT CLEAR CONCRETE MASONRY UNIT COUNTER COLUMN CONCRETE FLOOR CONSTRUCTION CONSTRUCTION CONTINUE COORDINATE CARPET OR CARPET TILE CASEWORK CERAMIC TILE CONTROL
	2			DAT DC DEG DEL DEMO DEPT DTL DIFF DIM DIR DR DR DR OPNG	DATUM DIRECT CURRENT DEGREE DELETE DEMOLITION DEPARTMENT DETAIL DIFFERENCE DIMENSION DIRECTION DOOR, OR DRAIN DOOR OPENING
				E.J. EL ELEC ELEV EMER EQ EQUIP EQUIV ESP EXIST FA FAS FD FE FEC FIN FLR FIXT FLR FP FRT	EXPANSION JOINT ELEVATION ELECTRIC ELEVATOR EMERGENCY ENGINEER EQUAL EQUIPMENT EQUIVALENT ESPECIALLY EXISTING FIRE ALARM FASCIA FLOOR DRAIN FIRE EXTINGUISHER FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FINISH FLOOR FIXTURE FLOOR FIRE PROTECTION OR FIREPROOF FIRE PROTECTION OR FIREPROOF FIRE RETARDANT TREATED
				FRZ FT FURN	FREEZER FEET OR FOOT FURNISH OR FURNITURE

GA GAL GALV GB GC GEN GL GLU LAM GT GYP GYP BD	GAGE OR GYPSUM ASSOCIATION GALLON GALVANIC OR GALVANIZED GRAB BAR GENERAL CONTRACTOR GENERAL OR GENERATOR GLASS GLUED LAMINATED WOOD GROUT GYPSUM GYPSUM BOARD	QA QC QT QTB QTR QTY R RAD RB RBR
HB HC HDWD HM HT HVAC	HOSE BIBB HOLLOW CORE HARDWOOD HOLLOW METAL HEIGHT HEATING, VENTILATING, AND AIR CONDITIONING	RCP RCVR RD REC RECT REF REINF REQ
ID ILLUM INCL INFO INSUL INT JAN	IDENTIFICATION ILLUMINATION INCLUDED INFORMATION INSULATION INTERIOR JANITOR	REQD RES RESIL RET REV RF RM RND RO
J-BOX LAB LAM LAV LDR LED LT LVD LVR LVR LVT LYR	JUNCTION BOX LABORATORY LAMINATE LAVATORY LEADER LIGHT EMITTING DIODE LIGHT LOUVERED LOUVER LUXURY VINYL TILE LAYER	SALV SBSTR SCHED SCHEM SECT SEP SF SLNT SMK SPEC SPKLR
MAINT MATL MAX MECH MEMO MEZZ MID MIRR MISC MLDG MLWK	MAINTENANCE MATERIAL MAXIMUM MECHANICAL MEMORANDUM MEZZANINE MIDDLE MIRROR MISCELLANEOUS MOLDING (MOULDING) MILLWORK	SPLY SQ SS STD STOR STR STRUCT SURF SUSP SVT SYS
MO MTL MULL NA NAT NIC NO NOM NUM OC	MASONRY OPENING METAL MULLION NOT APPLICABLE NATURAL NOT IN CONTRACT NUMBER NOMINAL NUMERAL ON CENTER	T&G TECH TEL TEMP THK THRU TMPD TO TRANS TRTD TYP
OCC OFF OPNG OPP OSHA OZ	OCCUPY OFFICE OPENING OPPOSITE OCCUPATIONAL SAFETY AND HEALTH ADMINSTRATION OUNCE	U UNO UPS UTIL UV
PART PAT PEN PERF PERP PLAS PLBG	PARTIAL PATTERN PENETRATE PERFORATED PERPENDICULAR PLASTER OR PLASTIC PLUMBING	VAC VAR VCT VENT VERT VEST VIF VOL
PLYWD PNL PRB PRCST PREFAB PRELIM PREP PREV PROP PTD PVC	PLYWOOD PANEL PROFILE BASE PRECAST PREFABRICATE PRELIMINARY PREPARATION PREVIOUS PROPERTY PAINTED POLYVINYL CHLORIDE (PLASTIC)	W/ W/O WD WSCT WSF WT

	QUALITY ASSURANCE QUALITY CONTROL QUARRY TILE QUARRY TILE BASE QUARTER QUANTITY
	RADIUS OR RISER RADIATOR RESILIENT BASE OR RUBBER BASE RUBBER REFLECTED CEILING PLAN RECEIVER ROAD OR ROOF DRAIN RECESSED RECTANGLE REFERENCE OR REFRIGERATOR REINFORCE REQUIRE REQUIRE REQUIRED RESINOUS FLOORING RESILIENT RETURN REVISION RUBBER FLOORING ROOM ROUND ROUGH OPENING
	SALVAGE SUBSTRATE
Т	SCHEDULE SCHEMATIC SECTION SEPARATE SQUARE FOOT (FEET) SEALANT SMOKE SPECIFICATION SPRINKLER SUPPLY SQUARE STAINLESS STEEL STANDARD STORAGE STRINGERS STRUCTURAL SURFACE SUSPEND SOLID VINYL FLOOR TILE SYSTEM
	TONGUE AND GROOVE TECHNICAL TELEPHONE TEMPERATURE OR TEMPORARY THICKNESS THROUGH TEMPERED TOP OF TRANSOM TREATED TYPICAL
	HEAT TRANSFER COEFFICIENT UNLESS NOTED OTHERWISE UNINTERRUPTIBLE POWER SUPPLY UTILITY ULTRAVIOLET
	VACUUM VARIES VINYL COMPOSITION TILE VENTILATION VERTICAL VESTIBULE VERIFY IN FIELD VOLUME
	WITH WITHOUT WOOD WAINSCOT WELDED SEAM SHEET FLOORING WEIGHT

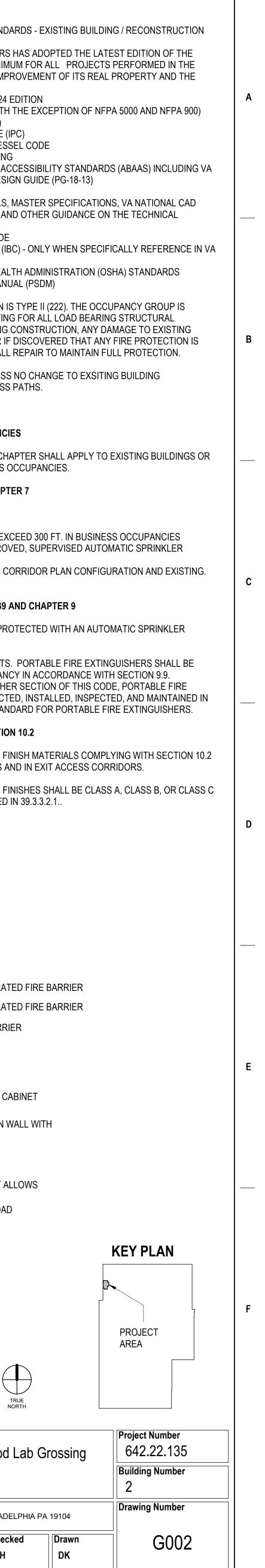
	9		
CO	DE NOTES:		
A.	PRIMARY APPL	ICABLE CODES AND	STANDARDS - EXIST
MODE	OWING CODES AI ERNIZATION, ALTI TRUCTION OF NE a. NFPA 10 b. NFPA NA c. NATIONA d. INTERNA e. ASME BO f. ASME CO g. ARCHITE SUPPLE h. ENERGY i. VA DIRE STANDA INFORM j. VA MENT k. INTERNA DESIGN I. OCCUPA m. PHYSIC 2. THE CONSTE HEALTH	ND STANDARDS AS ERATION, ADDITION W STRUCTURE. 1 LIFE SAFETY COD ATIONAL FIRE CODE AL ELECTRIC CODE ATIONAL PLUMBING DILER AND PRESSURI CODE FOR PRESSURI ECTURAL BARRIERS MENT, BARRIER FRE POLICY ACT (EPAC CTIVES, DESIGN MA RD APPLICATION GI ATION LIBRARY (TIL TAL HEALTH DESIGN ATIONAL BUILDING C DOCUMENTS ATIONAL, SAFETY AN AL SECURITY DESIGN RUCTION CLASSIFIC THE MINIMUM FIRE	S (WITH THE EXCEPT (NEC) CODE (IPC) RE VESSEL CODE E PIPING ACT ACCESSIBILITY EE DESIGN GUIDE (PC t) NUALS, MASTER SPE JIDE, AND OTHER GU ) N GUIDE CODE (IBC) - ONLY WH ND HEALTH ADMINIST SN MANUAL (PSDM) ATION IS TYPE II (222 E RATING FOR ALL LC
	ELEMEN FIREPRO MISSING	TS IS 2 HOURS. IF E DOFING IS OBSERVE 6, THE CONTRACTOF	DURING CONSTRUCTI ED OR IF DISCOVEREI R SHALL REPAIR TO M
		N TO EXISTING LAB	POSESS NO CHANGE EGRESS PATHS.
<u>NFPA</u>	101 REVIEW		
		ING BUSINESS OCC	
1.			THIS CHAPTER SHALL
C. ME	EANS OF EGRESS	6 - CHAPTER 39 AND	CHAPTER 7
TRAV	EL DISTANCE TO	EXITS (39.2.6)	
1.	PROTECTED TH SYSTEM.	IROUGHOUT BY AN	NOT EXCEED 300 FT. APPROVED, SUPERV
2.	THERE IS NO C	HANGE TO THE EXIS	STING CORRIDOR PLA
D. FIF	RE PROTECTION	EQUIPMENT - CHAP	TER 39 AND CHAPTE
1.	THE EXISTING ( SYSTEM.	CORRIDORS ARE FU	ILLY PROTECTED WIT
2.	PROVIDED IN E A. (9.9) WH EXTING	VERY BUSINESS OC ERE REQUIRED BY / JISHERS SHALL BE \$	EMENTS. PORTABLE CUPANCY IN ACCORI ANOTHER SECTION C SELECTED, INSTALLE 0, STANDARD FOR PO
E. INT	ERIOR FINISHES	- CHAPTER 39 AND	SECTION 10.2
1.			ILING FINISH MATERI EXITS AND IN EXIT AC
2.	. ,		ILING FINISHES SHAL ECIFIED IN 39.3.3.2.1

## LIFESAFETY LEGEND:

	EXIT SIGN
	EXISTING 1 HR FIRE RATEI
	EXISTING 2 HR FIRE RATE
	EXISTING SMOKE BARRIEF
5P	OCCUPANT LOAD
FEC	FIRE EXTINGUISHER IN CAB
E	FIRE EXTINGUISHER ON WA MOUNTING BRACKET
	EXIT INFORMATION MAX. NO. PERSON EXIT ALL EXIT WIDTH IN INCHES ACTUAL OCCUPANT LOAD

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			PF	ROJECT TRUE NORTH NORTH
	Drawing Title	Phase	Project Title	
of	LIFESAFETY, ABBREVIATIONS &	CONSTRUCTION	23024 3rd FI	r. Blood Lat
ction	CODE NOTES	DRAWINGS	Station	
lities		DIAMINOO		
ment	Approved:		Location 3900 WOODLAND A	VE PHILADELPHI
			Issue Date	Checked
partment cans Affairs			08/01/2024	AH
	7	8	9	



	1		2	3
		INFECTIO	N CONTROL NOTES:	
A		INFECTIONS D IT IS THE POLIC PLANNING WIL AGGRAVATION MANAGEMENT CLOSELY WITH THE SAFETY A	UE TO DEGRADED AIR QUALITY, ENVIR CY OF THIS MEDICAL CENTER THAT A S L EFFECTIVELY MANAGE THE ISSUE O I OF ALLERGIES. THE OVERALL APPRO OF HVAC SYSTEMS, AND AGGRESSIVE I THE VA FACILITY MANAGEMENT SERV ND OCCUPATION HEALTH MANAGER T	ES IS TO MINIMIZE THE POTENTIAL FOR TH ONMENTAL CONTAMINATION, OR CONTA SYSTEMATIC APPROACH BASED ON ASSE F TRANSMISSION OF INFECTIOUS DISEAS ACH RELIES ON PRE-CONSTRUCTION AS E USE OF A VARIETY OF BARRIERS. CONT /ICE CENTER, THE INFECTION CONTROL O HAVE IN PLACE A MONITORING PROGR ASURES, REFER TO PROJECT SPECIFICA
		CONTR	OL REQUIREMENTS WITH THE DEMOLI	IG CONDITIONS IN THE FIELD AND COORI TION AND NEW CONSTRUCTION. THE COI REPRESENTATIVE FOR RESOLUTION PRI
		B. CONTRA SELF-C CONSTI	ACTOR TO INSTALL BARRIERS AND OT LOSING. PROVIDE DUST CONTROL ANI	HER MEASURES. CONSTRUCTION BARRIE O CONTAINMENT STICKY MATS ON ALL AC D AT CONSTRUCTION ENTRY. PROVIDE M
		C. CONTRA THE VA TRANSF NORMA CIRCUM	ACTOR TO DISPOSE OF MATERIALS BE TO DISPOSE OF DURING NORMAL HOU PORT OF TRANSPORT CONTAINERS TH L HOURS WITH THE APPROVAL OF THE	FORE 8:00 AND OR AFTER 4:00 PM UNLES JRS. USE ROUTE AGREED UPON BY ICRA ROUGH THE FACILITY. CONTRACTORS C E INFECTION CONTROL NURSE AND COR GRESS. A CLEAR PLAN WILL HAVE TO BE URES IMPLEMENTED.
В				BOOTIES WHEN DISPOSING MATERIALS. MES A DAY AS NEEDED AND MOP FLOOR
		MULTIP	LE TIMES A DAY.	GATIVE AIR PRESSURE WITHIN THE WOR
		WINDO\ AND EX	W EXHAUST FANS STRATEGICALLY LO	CATED OR PROVIDED NEGATIVE PRESSU G. CONTRACTOR TO INCLUDE MONITORIN
				OL RISK ASSESSMENT
				ol Risk Assessment r Construction & Renovation
		STEP ONE:	Using the following table, identify the <u>Type</u> of Constru Inspection and Non-Invasive Activities	ction Project Activity (Type A-D)
C		TYPE A	Includes, but is not limited to: • removal of ceiling tiles for visual inspection on	
		TYPE B	<ul> <li>access to mechanical and/or electrical chase s</li> <li>Fan shutdown/startup.</li> <li>Installation of electrical devices or new flooring</li> <li>The removal of drywall where minimal dust ar</li> <li>Controlled sanding activities (e.g., wet, or dry</li> </ul> Large-scale, longer duration activities that create	y that produces minimal dust and debris. d debris is created. sanding) that produce minimal dust and debris.
		TYPE C	<ul> <li>Includes, but is not limited to:</li> <li>Removal of preexisting floor covering, walls, c</li> <li>New drywall placement.</li> <li>Renovation work in a single room.</li> <li>Non-existing cable pathway or invasive electri</li> <li>The removal of drywall where a moderate amount of dus</li> <li>Dry sanding where a moderate amount of dus</li> </ul>	cal work above ceilings. ount of dust and debris is created.
D		TYPE D	<ul> <li>Work creating significant vibration and/or nois</li> <li>Any activity that cannot be completed in a sing</li> <li>Major demolition and construction activities Includes, but is not limited to:</li> <li>Removal or replacement of building system construction</li> </ul>	e. Je work shift.
			<ul> <li>Removal/installation of drywall partitions.</li> <li>Invasive large-scale new building construction</li> <li>Renovation work in two or more rooms.</li> </ul>	
7/31/2024 2:55:34 PM		STEP 1 - Act	ivity Type: <u>TYPE C</u>	
Е				
ı.rvt				
<b>J</b> sing Statior				
l Lab Gros				
3024 Blood				
H s://23024 Blood Lab Grossing Station/23024 Blood Lab Grossing Station.rvt				
_ab Grossir				
)24 Blood L				
s://230				Loring Consulting Engineers, Inc.

**Revisions:** 

Philadelphia, PA 19103

P. 267-946-3557

Date:

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AL FOR THE SPREAD OF R CONTAMINATION OF WATER. ON ASSESSMENT AND S DISEASES AND THE TION ASSESSMENT, RS. CONTRACTOR IS TO WORK ONTROL PROGRAM STAFF AND PROGRAM TO ASSURE PECIFICATIONS.

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D COORDINATE ALL INFECTION THE CONTRACTOR SHALL TION PRIOR TO BEGINNING.

N BARRIER DOOR(S) MUST BE N ALL ACCESS DOORS INTO ROVIDE MANOMETER MONITORS

M UNLESS ARRANGED WITH BY ICRA TEAM AND COTR FOR CTORS CAN ONLY DEVIATE TO ND COR DUE TO PARTICULAR E TO BE SUBMITTED AND

RIALS. P FLOORS BEHIND THEM

HE WORK SITE UTILIZING PRESSURE AIR HEPA UNITS ONITORING MANOMETER AT

ited exposure time. ssion system, electrical and carpentry work to

, installation of conduit and/or cabling, and

STEP TWO: Using the following table, identify the Patient Risk Groups that will be affected. If more than one risk group will be affected, select the higher risk group. ,<del>\_\_\_\_\_</del>, LOW RISK **MEDIUM RISK HIGH RISK HIGHEST RISK** Emergency Room Non-patient care areas: Respiratory Therpy Dialysis Outbuildings Outpatient Clinics Cardiac Cath Lab Phlebotomy • Office Areas, meeting Rooms Steril Processing and CBOS's Research Laboratories, • Adult Day Care Environmental Services Laboratories (Patient) Distribution ٠ Intensive Care Unit Prosthetis Psychiatry Pharmacy • Canteen Store Post Anesthesia Care Unit Echocardiography Oncology • Chapel Physical Therapy Endoscopy Radiation Therapy/Building 26 Operating Rooms (including Morgue • EEG Surgical Unit • Dental Operating Suite) Elevators EKG Medical Unit • Warehouse Community Living Center Occupational Health VIR Suite Police Animal Research Urology Procedure Room Pulmonary, Renal and Infectious Disease Clinic Ophthalmology Procedure Boiler Plant Laboratories Facilities Maintenance Shop Dental Excluding Dental Sleep Lab Room • Operating Suites Nuclear Mediciine (Building 27) Women's Health Procedure Canteen Food Areas Any Sterile Supply Room Room Stratton Inn Microbiology Lab Radiology/MRI/CT Behavorial Health • Pharmacy (USP 797/800 Logistics Storage Laundry/Linen Areas Compounding Areas

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STEP 2 - Patient Risk Group: HIGH RISK

**STEP THREE:** Match the Patient Risk Group (Low, Medium, High, Highest) from Step Two with the planned Construction Activity Project Type (A, B, C, D) from Step one using the table to find the Class of Precautions (I, II, III, IV or V) or level of infection control activities required.

	Construction Project Type				
Patient Risk Group	TYPE A	TYPE B	TYPE C	TYPE D	
LOW Risk Group	I	I	I	=	
MEDIUM Risk Group	I	I		IV	
HIGH Risk Group	I	III		۷	
HIGHEST Risk Group	Ш	IV	V	۷	

Infection control permit and approval will be required when Class of Precautions III (Type C) and all Class of Precautions IV or V are necessary.

Environmental conditions that could affect human health, such as sewage, mold, asbestos, gray water and black water will require Class of Precautions IV for LOW and MEDIUM Risk Groups and Class of Precautions V for HIGH and HIGHEST Risk Groups.

\*Type C [Medium Risk Groups] and Type D [Low Risk Groups] work areas [Class III precautions] that cannot be sealed and completely isolated from occupied patient care spaces should be elevated to include negative air exhaust requirements as listed in Class IV Precautions.

### STEP 3 - Class of Precautions: CLASS IV

STEP FOUR: Assess potential risk to areas surrounding the project. Using Table 4, identify the surrounding areas that will be affected and the type of impact that will occur. If more than one risk group will be affected, select the higher risk group using Table 2 - Patient Risk Group. SURROUNDING AREA ASSESSMENT

Unit Below:	Unit Above:	Unit Lateral:	Unit Behind:	Unit in Front:		
Risk Group:	Risk Group:	Risk Group:	Risk Group:	Risk Group:		
Contact:	Contact:	Contact:	Contact:	Contact:		
Phone:	Phone:	Phone:	Phone:	Phone:		
Additional Controls: <ul> <li>Noise</li> <li>Vibration</li> <li>Dust Control</li> <li>Ventilation</li> <li>Pressurization</li> <li>Vertical Shafts</li> <li>Elevator/Stairs</li> </ul>	Additional Controls:NoiseVibrationDust ControlVentilationPressurizationVertical ShaftsElevator/Stairs	Additional Controls:NoiseVibrationDust ControlVentilationPressurizationVertical ShaftsElevator/Stairs	Additional Controls: <ul> <li>Noise</li> <li>Vibration</li> <li>Dust Control</li> <li>Ventilation</li> <li>Pressurization</li> <li>Vertical Shafts</li> <li>Elevator/Stairs</li> </ul>	Additional Controls:NoiseVibrationDust ControlVentilationPressurizationVertical ShaftsElevator/Stairs		
System Impacted: Data Mechanical Med Gases Hot/Cold Water	System Impacted:         □       Data         □       Mechanical         □       Med Gases         □       Hot/Cold Water	System Impacted: Data Mechanical Med Gases Hot/Cold Water	System Impacted: Data Mechanical Med Gases Hot/Cold Water	System Impacted: Data Mechanical Med Gases Hot/Cold Water		
Noise & Vibration Mitigatior	Strategies	1				
<ul> <li>Schedule noise-making periods with adjacent spaces.</li> <li>Use beam clamps instead of shot.</li> <li>Prefab where possible.</li> <li>Use tim snips to cut metal studs instead of using a chop saw.</li> <li>Install metal decking with vent tabs, then use cellar floor deck hangers.</li> <li>Consider compression style fittings instead of soldering, brazing, or welding.</li> <li>Wet core drill instead of dry core or percussion.</li> <li>Instead of jackhammering concrete, use wet diamond saws.</li> <li>Use HEPA vacuums instead of standard wet/dry vacuums.</li> <li>Use mechanical joining system sprinkler fittings instead of threaded.</li> <li>Where fumes are tolerated, use chemical adhesive remover (floor glue) instead of mechanical.</li> <li>To remove flooring, consider abrasive blasting instead of using a floor scraper.</li> <li>Use electronic sheers instead of reciprocating saw for ductwork cutting.</li> <li>Install exterior man/material lifts.</li> </ul>						
Ventilation & Pressurization	Mitigation Strategies					
<ul> <li>HEPA to exterior.</li> <li>Install temporary ductwork.</li> <li>Utilize temporary HVAC equipment.</li> <li>Vacate the area.</li> <li>Install temporary partitions.</li> <li>Use carbon filtration odors.</li> </ul>						
Impact to Other Systems Mi	tigation Strategies					
<ul> <li>Schedule outages.</li> <li>Provide temporary system</li> <li>Back-feed electrical or m</li> </ul>						



	Min in	7	• 	Minimum Dr	-	I II non Completion of W	aule A ativity	1		
	1. Pe	Required Infection Control Precautions by Class   Before and During Work Activity erform noninvasive work activity as to not block or interrupt patient care.		Cleaning:	equired Infection Control Precautions	· · ·	-	and flooring n	naterials.	
CLASS I	3. Pe	erform noninvasive work activities in areas that are not directly occupied with patients. erform noninvasive work activity in a manner that does not create dust. nmediately replace any displaced ceiling tile before leaving the area and/or at end of noninvasive work	CLASSES I, II, & III	2. Check all HVAC Systems:	Ill supply and return air registers for dust	accumulation on upper sur	faces as well a	as air diffuser	surfaces.	SI
				2. Verify the	e isolation of HVAC system in areas wher he HVAC systems meet original airflow ar	id air exchange design spe	ecifications.	-		al
CLASS II	2. Pe ori 3. Th 1. Pr 2. Me po 3. Re	erform only limited dust work and/or activities designed for basic facilities and engineering work. erform limited dust and invasive work following standing precautions procedures approved by the rganization. his Class of Precautions must never be used for construction or renovation activities. rovide active means to prevent airborne dust dispersion into the occupied areas. leans for controlling minimal dust dispersion may include hand-held HEPA vacuum devices, olyethylene plastic containment, or isolation of work area by closing room door. emove or isolate return air diffusers to avoid dust from entering the HVAC system.		Construction are Work Area Clean 1. 1. Clean 2. 2. Check Removal of Critic 1. Clean Cr NOT be n 2. All (plasti	n work areas including all environmental s k all supply and return air registers for du ical Barriers: Pritical barriers must remain in place durin removed until a work area cleaning has tic or hard) barrier removal activities mus	eventionist or designee an surfaces, high horizontal su st accumulation on upper s g all work involving drywal been performed. t be completed in a manne	d engineering r urfaces, and floo surfaces as wel I removal, creat	representative oring materia II as air diffus tion of dust a	e for discontinuation or d als. er surfaces. nd activities beyond simp	ole touch-up work. The barrier may
CLASS III	5. If v 6. Se 7. Co 8. No de du 9. Ins Ac 10. Ma	emove or isolate the supply air diffusers to avoid positive pressurization of the space, work area is contained, then it must be neutrally to negatively always pressurized. eal all doors with tape that will not leave residue. ontain all trash and debris in the work area. onporous/smooth and cleanable containers (with a hard lid) must be used to transport trash and ebris from the construction areas. These containers must be damp-wiped cleaned and free of visible ust/debris before leaving the contained work area. Install an adhesive (dust collection) mat at entrance of contained work area based on facility policy. dhesive mats must be changed routinely and when visibly soiled. laintain clean surroundings when area is not contained by damp mopping or HEPA vacuuming urfaces.	CLASSES IV & V	B. If C. D. D. C E. U Negative Air Red 1. The use 2. Negative and befo HVAC systems:	of negative air must be designed to reme e air devices must always remain operation ore removal of critical barriers.	noval, use hand-held HEP, val process. before removing outer har st could be generated. ove contaminates from the onal and in place for a peri	d barrier e work area. iod after comple			ove contaminants from the work area
	ex	onstruct and complete critical barriers meeting NFPA 241 requirements including: Barriers must xtend to the ceiling or, if ceiling tile is removed, to the deck above, and all penetrations through the		2. Verify that	hat HVAC systems are clean and operatic the HVAC systems meets original airflow a	onal.				
	2. All	arrier shall meet the appropriate fire rating requirements. Il (plastic or hard) barrier construction activities must be completed in a manner that prevents dust elease. Plastic barriers must be effectively affixed to ground and ceiling and secure from movement or	Attachment A: Int Location of Constr		Construction Permit			Project N Project S	No: Start Date:	
	da	amage. Apply tape that will not leave a residue to seal gaps between barriers, ceiling or floor. eal all penetrations in containment barriers, including floors and ceiling, using approved materials (UL	Project Coordinato	or:				Estimate	ed Duration:	
	sc 4. Co	chedule firestop if applicable for barrier type). ontainment units or environmental containment units (ECUs) approved for Class IV precautions in	Constractor Perfor Supervisor:	ming Work:				Permit E Telephor	xpiration Date: ne:	
	sm 5. Re	mall areas totally contained by the unit and that has HEPA-filtered exhaust air. emove or isolate return air diffusers to avoid dust entering the HVAC system.	Permit Request Si	•				Date:		
	7. Ne	emove or isolate the supply air diffusers to avoid positive pressurization of the space. legative airflow pattern must be maintained from the entry point to the anteroom and into the postruction area. The airflow must cascade from outside to inside the construction area. The entire	Permit Authorized				VEC			
	CO	onstruction area. The airflow must cascade from outside to inside the construction area. The entire onstruction area must remain negatively pressurized. laintain negative pressurization of the entire workspace by use of HEPA exhaust air systems directed	YES	NO	CONSTRUCTION ACTIVITY TYPE A: Inspection, non-invasive ac	stivity.	YES	NO	INFECTION CONTRO GROUP 1: LC	
	OU	utdoors. Exhaust discharged directly to the outdoors that is 25 feet or greater from entrances, air takes and windows does not require HEPA-filtered air.			TYPE B: Small scale, short duration				GROUP 2: MEI	
	9. lfe	exhaust is directed indoors, then the system must be HEPA filtered. Prior to start of work, HEPA tration must be verified by particulate measurement as no less than 99.97% efficiency and must not			TYPE C: Activity generates moderat dust.Requires consecutive work shif	ts.			GROUP 3: HI	GH RISK
SLASS IV	alt	Iter or change airflow/pressure relationships in other areas. xhaust into shared or recirculating HVAC systems, or other shared exhaust systems (e.g., bathroom			TYPE D: Major demolition and consi Requires concesecutive work shifts.				GROUP 4: HIGI	
	ex 11. Ins	xhaust) is not acceptable. Istall device on exterior of work containment to continually monitor negative pressurization. To assure	Assigned	CLASS	*See below for mandatory CLASS re	equirements		CLA	SS IV CI	
	pro pro	roper pressure is continuously maintained, it is recommended that the device(s) have a visual ressure indicator.			<ol> <li>Perform noninvasive work activity</li> <li>Perform noninvasive work activitie</li> </ol>	· ·	•	with patients		
	13. No	ontain all trash and debris in the work area. onporous/smooth and cleanable containers (with a hard lid) must be used to transport trash and			3. Perform noninvasive work activity	in a manner that does not	create dust.			
	du	ebris from the construction areas. These containers must be damp-wiped cleaned and free of visible ust/debris before leaving the contained work area.	CLAS	SS I	<ol> <li>Immediately replace any displace</li> <li>Clean work areas including all environment</li> </ol>	•			•	
	of	/orker clothing must be clean and free of visible dust before leaving the work area. HEPA vacuuming f clothing or use of cover suits is acceptable.			6. Check all supply and return air reg	gisters for dust accumulation	on on upper sur	rfaces as wel	ll as air diffuser surfaces.	
	to	/orkers must wear shoe covers prior to entry into the work area. Shoe covers must be changed prior exiting the anteroom to the occupied space (non-work area). Damaged shoe covers must be			<ol> <li>Remove isolation of HVAC system</li> <li>Verify the HVAC systems meet or</li> </ol>			-	HVAC systems are clear	n and operational.
	16. Ins	nmediately changed. Istall an adhesive (dust collection) mat at entrance of contained work area based on facility policy.	CLAS	 SS II	8. Verify the HVAC systems meet or           1. Perform only limited dust work and	•	• • •		ring work.	
	17. Co	dhesive mats must be changed routinely and when visibly soiled. Consider collection of particulate data during work to monitor and ensure that contaminates do not onter the occupied spaces. Boutine collection of particulate samples may be used to verify HEPA	**Implement all	l activities from	2. Perform limited dust and invasive				oved by the organization.	
		nter the occupied spaces. Routine collection of particulate samples may be used to verify HEPA tration efficiencies.	CLASS I in a	auuilion to:	3. This Class of Precautions must need           1. Provide active means to prevent a					
		onstruct and complete critical barriers meeting NFPA 241 requirements including: Barriers must xtend to the ceiling, or if ceiling tile is removed, to the deck above, and all penetrations through the			2. Means for controlling minimal dus area by closing room door.				vices, polyethylene plasti	ic containment, or isolation of work
	ba	arrier shall meet the appropriate fire rating requirements. Il (plastic or hard) barrier construction activities must be completed in a manner that prevents dust			3. Remove or isolate return air diffus	ers to avoid dust from ente	ering the HVAC	C system.		
	re	Il (plastic or hard) barrier construction activities must be completed in a manner that prevents dust elease. Plastic barriers must be effectively affixed to ground and ceiling and secure from movement or amage. Apply tape that will not leave a residue to seal gaps between barriers, ceiling or floor.			<ol> <li>Remove or isolate the supply air of</li> <li>If work area is contained, then it n</li> </ol>			•		
	3. Se	eal all penetrations in containment barriers, anteroom barriers, including floors and ceiling using pproved materials (UL schedule firestop if applicable for barrier type).			<ul><li>6. Seal all doors with tape that will not seal all doors with tape tape tape tape tape tape tape tape</li></ul>		ory pressurized	ມ		
	4. Co	onstruct anteroom large enough for equipment staging, cart cleaning, workers. The anteroom must e constructed adjacent to entrance of construction work area.	CLAS **Implement all		<ol> <li>Contain all trash and debris in the</li> <li>Nonporous/smooth and cleanable</li> </ol>			to transport	trash and debris from the	e construction areas These
	5. Pe Di	ersonnel will be required to wear disposable coveralls at all times during Class V work activities. isposable coveralls must be removed before leaving the anteroom.	CLASS I & II ii		containers must be damp-wiped clea	aned and free of visible du	st/debris before	e leaving the	contained work area.	
	7. Re	emove or isolate return air diffusers to avoid dust entering the HVAC system. emove or isolate the supply air diffusers to avoid positive pressurization of the space.			<ol> <li>Install an adhesive (dust collection when visibly soiled.</li> </ol>					ato muor de chanyeu roull(fiely and
	CO	egative airflow pattern must be maintained from the entry point to the anteroom and into the onstruction area. The airflow must cascade from outside to inside the construction area. The entire postruction area must remain pegatively pressurized.			<ol> <li>Maintain clean surroundings wh</li> <li>Critical barriers must remain in p</li> </ol>	lace during all work involvi	ng drywall remo	oval, creatior		yond simple touch-up work. The
	9. Ma	Instruction area must remain negatively pressurized. Iaintain negative pressurization of the entire workspace using HEPA exhaust air systems directed utdoors. Exhaust discharged directly to the outdoors that is 25 feet or greater from entrances, air			barrier may NOT be removed until a 12. All (plastic or hard) barrier remov	work area cleaning has be	een performed.			
.ASS V	int	takes and windows do not require HEPA-filtered air. exhaust is directed indoors, then the system must be HEPA filtered. Prior to start of work, HEPA			removing hard barriers: Carefully rer	nove screws and painter ta	ape, if dust will I	be generated	d during screw removal, u	use hand-held HEPA vacuum. Drywall parrier. Use a plastic barrier to enclose
	filt	tration must be verified by particulate measurement as no less than 99.97% efficiency and must not leter or change airflow/pressure relationships in other areas.			area if dust could be generated. 13. The use of negative air must be					
	11. Ex	xhaust into shared or recirculating HVAC systems, or other shared exhaust systems (bathroom xhaust) is not acceptable.			14. Negative air devices must alway	s remain operational and i				activities to remove contaminants
	12. Ins pro	stall device on exterior of work containment to continually monitor negative pressurization. To assure roper pressure is continuously maintained, it is recommended that the device(s) have a visual				rriers meeting NFPA 241				ceiling or, if ceiling tile is removed, to
	13. Co	ressure indicator. ontain all trash and debris in the work area.			,	ction activities must be co	mpleted in a ma	anner that pr	events dust release. Plas	stic barriers must be effectively affixed
	de	onporous/smooth and cleanable containers (with a hard lid) must be used to transport trash and ebris from the construction areas. These containers must be damp-wiped cleaned and free of visible ust/debris before leaving the containerd work area.			to ground and ceiling and secure fro	m movement or damage.	Apply tape that	will not leave	e a residue to seal gaps l	•
	15. W	ust/debris before leaving the contained work area. /orker clothing must be clean and free of visible dust before leaving the work area anteroom. /orkers must wear shoe covers prior to entry into the work area. Shoe covers must be changed prior			<ol> <li>Containment units or environment that has HEPA-filtered exhaust air.</li> </ol>		•	•	Υ.	,
	to	orkers must wear snoe covers prior to entry into the work area. Snoe covers must be changed prior exiting the anteroom to the occupied space (non-work area). Damaged shoe covers must be nmediately changed.			5. Negative airflow pattern must be r					The airflow must cascade from
	17. Ins	integrately changed. Istall an adhesive (dust collection) mat at entrance of contained work area based on facility policy. dhesive mats must be changed routinely and when visibly soiled.			outside to inside the construction are 6. Maintain negative pressurization of			Ū	, ,	Exhaust discharged directly to the
	18. Co	onsider collection of particulate data during work to monitor and ensure that contaminates do not nter the occupied spaces. Routine collection of particulate samples may be used to verify HEPA			outdoors that is 25 feet or greater fro 7. If exhaust is directed indoors, the	om entrances, air intakes a	ind windows do	bes not requir	e HEPA-filtered air.	
		tration efficiencies.			measurement as no less than 99.97	% efficiency and must not	alter or change	e airflow/press	sure relationships in othe	er areas.
						containment to continually	monitor negativ	<b>,</b> ,	<b>0</b> , ,	s not acceptable. ressure is continuously maintained, it
					is recommended that the device(s) h	ave a visual pressure indi	cator.			ng or use of cover suits is acceptable.
					•	prior to entry into the work	area. Shoe cov		U	the anteroom to the occupied space
					12. Consider collection of particulate	data during work to monit	tor and ensure t	that contamir	nates do not enter the oc	cupied spaces. Routine collection of
					particulate samples may be used to           1. Construct anteroom large enough	•		rkers. The an	teroom must be construc	cted adjacent to entrance of
					construction work area. 2. Personnel will be required to alwa					-
		Drawing Title	Phase		the anteroom.	roject Title				Project Number
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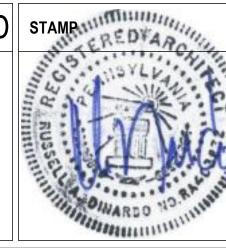
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ARCHITECT/ENGINEER OF RECORD STAMP REDVAR 

THINKFORM DESIGN ARCHITECT LLC 38 EAST BROAD STREET HOPEWELL, NJ 08525 T:855.821.0274 F:609.644.4397 Russell DiNardo, AIA NY 031521-1

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6	VA U.S. Department of Veterans Affairs	7		8	9	s/01/2024	AH
	Management U.S. Department	Approved:			Issi	cation 3900 WOODLAND AV ue Date	Checked
	Office of Construction and Facilities	Drawing Title CONSTRUCTION SUB-SYS AND PARTITION TYPES	STEMS	Phase CONSTRUCTION DRAWINGS		ject Title 23024 3rd Flr. Station	Blood La
				<ul> <li>METAL STUDS @ 16" O.C.</li> <li>5/8" IMPACT REISTANT GYP. BD. BOTH SIDES</li> <li>FLOOR RUNNER TRACK</li> <li>FLEXIBLE SEALANT BOTH SIDES</li> <li>FINISH FLOOR</li> </ul>			
		1 LAYER OF 5/8" IMPACT RESISTANT GYP. BD. EACH SIDE OF 3 5/8" (U.N.O.) METAL STUDS @16" O.C. PARTITION EXTENDS TO UNDERSIDE OF DECK ABOVE.		BOTH SIDES - EXTEND STUD FRAMING TO STRUCTURE ABOVE - SLIP LEG TRACK CEILING LINE - SOUND ATTENUATION BLANKETS U.N.O METAL BRACING STUD			
		(1) GYP. BD. ON METAL STUDS		" STUDS U.S. OF DECK — FLEXIBLE SEALANT	H.	ALL OUTSIDE CO RECEIVE METAL OTHERWISE.	
			/ /	TUDS	G.	WALL ACCESSO TOWEL DISPENS INSTALLED IN A THE WALL.	SERS, ETC. I
					F.	PROVIDE L-BEA DISSIMILAR MAT	
					E.	PROVIDE METAL IN ACCORDANC PRACTICES. WH ARCHITECT TO	L CONTROL E WITH MAN HERE VISUA
					D.	ONLY THOSE PA PROTECTION PL CONFORM TO T	ARTITIONS S _ANS AND TI
					C.	TOP OF WALL. SEE SPECIFICA <sup>-</sup> FINISH LEVEL RI	
					A. B.	PROVIDE BLOCH AT SPACES WIT EXTEND TO STR	HOUT CEILI
					J.	FIBERGLASS FA	
					l.	NON-RATED PAP ABOVE, IN AREA MINIMUM OF 6 IN BRACING REQU WITH NON-COM	AS WITH ACC NCHES ABON IREMENTS.
					H.	PROVIDE BRACI FRAMING WHER OR WHERE REQ THE CEILING WH AND SOUND RA SURFACE.	RE PARTITION QUIRED TO P HERE CERAN
					G.	ALL NON-RATED EXTENDING ABO PARTITION AND NECESSARY, W FIRE-STOPPING	OVE THE CE HORIZONTA ITH 2 INCH N
					F.	ALL RATED PAR OR STENCILING <b>FIRE AND/OR SM</b> LOCATED A MA SERIES ON ALL INDICATE THE D	ABOVE THE MOKE BARR KIMUM 15 FE CORNERS.
						SEALED WITH F ASSEMBLY IN AG A TESTING LAB PENETRATIONS APPROPRIATE D AND RESULTING INSULATION AN	CCORDANCI APPROVED THROUGH DEFLECTION G SPACES PI

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PA	RTITION NOTES:	
A. B.	ALL STUD SPACING IS 16 INCHES ON CENTER UNLESS NOTED OTHERWISE. ALL STUDS SHALL BE 20 GAUGE UNLESS NOTED OTHERWISE.	
C.	SEE FINISH SCHEDULE FOR LOCATION OF APPLIED FINISHES (SUCH AS CERAMIC TILE, WALL COVERING, ETC.) THAT MAY AFFECT THE PARTITION SURFACE AND CONSTRUCTION REQUIREMENTS.	
D.	ALL SOUND RATED WALLS OR PARTITIONS (STC 45 OR AND ABOVE) SHALL HAVE AN ACOUSTICAL GASKET AND/OR ACOUSTICAL SEALANT AT THE TOP, BOTTOM AND SIDES WHERE A SOUND LEAK COULD OCCUR. ALL PENETRATIONS THROUGH SUCH PARTITIONS SHALL BE GASKETED AND SEALED ALONG THE PENETRATION PERIMETER. IF PARTITIONS ARE FIRE- RATED, PROVIDE UL-LABELED FIRE STOPPING IN PLACE OF ACOUSTICAL SEALANT. AT PARTITIONS THAT ARE SOUND AND FIRE RATED, PROVIDE ACOUSTICAL SEALANT AT PARTITION PENETRATIONS THAT DO NOT REQUIRE FIRE STOPPING (EXAMPLE: DUCT PENETRATIONS WITH FIRE DAMPERS).	A
E.	ALL FIRE AND/OR SMOKE PARTITIONS, FIRE BARRIERS AND FIRE WALLS SHALL EXTEND FROM FINISH FLOOR TO WHERE IT MAY BE SEALED, SUCH AS THE UNDERSIDE OF THE STRUCTURE OR DECK, AND BE ENTIRELY SEALED WITH FIRE SAFING MATERIALS PER AN APPROVED FIRE RATED ASSEMBLY IN ACCORDANCE WITH A U.L. DESIGN, OR A DESIGN TESTED BY A TESTING LAB APPROVED BY THE AUTHORITY HAVING JURISDICTION. ALL PENETRATIONS THROUGH AND EDGES OF PARTITIONS SHALL ALLOW FOR APPROPRIATE DEFLECTIONS AND MOVEMENT OF ADJACENT MATERIALS AND RESULTING SPACES PROPERLY FILLED WITH FIRE SAFING INSULATION AND/OR SEALED TO MAINTAIN THE RATING INTEGRITY.	В
F.	ALL RATED PARTITIONS SHALL BE PERMANENTLY IDENTIFIED WITH A SIGN OR STENCILING ABOVE THE CEILING. THE SIGN SHALL READ <b>"X-HOUR FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS"</b> , AND BE LOCATED A MAXIMUM 15 FEET O.C. ON CONTINUOUS WALLS. BEGIN NEW SERIES ON ALL CORNERS. LETTERING AND ARROWS MAY BE UTILIZED TO INDICATE THE DIRECTION AND EXTENT OF THE FIRE RATING.	
G.	ALL NON-RATED PARTITIONS OF COMBUSTIBLE CONSTRUCTION EXTENDING ABOVE THE CEILING SHALL BE FIREBLOCKED AT THE TOP OF PARTITION AND HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET IF NECESSARY, WITH 2 INCH NOMINAL LUMBER ALL PENETRATIONS OF THIS FIRE-STOPPING SHALL BE SEALED.	
H.	PROVIDE BRACING AT 48" O.C. MAXIMUM ABOVE CEILING TO STRUCTURAL FRAMING WHERE PARTITION EXCEEDS THE MAXIMUM UNBRACED HEIGHT OR WHERE REQUIRED TO PROVIDE RIGIDITY TO THE PARTITION BELOW THE CEILING WHERE CERAMIC TILE OCCURS. ENSURE INTEGRITY OF FIRE AND SOUND RATINGS OF PARTITION IF BRACING PENETRATES PARTITION SURFACE.	
I.	NON-RATED PARTITIONS THAT DO NOT EXTEND TO STRUCTURE OR DECK ABOVE, IN AREAS WITH ACOUSTICAL TILE CEILINGS, SHALL EXTEND A MINIMUM OF 6 INCHES ABOVE THE CEILING. SEE NOTE 'J' ABOVE FOR BRACING REQUIREMENTS. TOP OF PARTITION SHALL BE FIRE-STOPPED WITH NON-COMBUSTIBLE MATERIAL (I.E. METAL STUD RUNNER).	C
J.	FIBERGLASS FACED GYPSUM BOARD SHALL BE USED FOR THE FACE	
A.	PROVIDE BLOCKING AT ALL ACCESSORIES AND CASEWORK.	
B.	AT SPACES WITHOUT CEILINGS, SURROUNDING PARTITIONS SHALL EXTEND TO STRUCTURE OR DECK ABOVE WITHOUT ANY VOIDS ABOVE TOP OF WALL.	
C.	SEE SPECIFICATION SECTION 092900 - GYPSUM BOARD ASSEMBLIES FOR FINISH LEVEL REQUIRED, UNLESS SPECIFICALLY NOTED.	
D.	ONLY THOSE PARTITIONS SHOWN AS RATED WALLS ON THE FIRE PROTECTION PLANS AND THE REFLECTED CEILING PLANS MUST CONFORM TO THE UL LISTING INDICATED.	D
E.	PROVIDE METAL CONTROL JOINTS IN GYPSUM BOARD SURFACES SPACED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDED BEST PRACTICES. WHERE VISUAL CONSIDERATIONS PREVAIL, CONSULT WITH ARCHITECT TO DETERMINE LOCATIONS.	
F.	PROVIDE L-BEAD WITH SEALANT AND BACKER ROD WHERE GWB ABUTS A DISSIMILAR MATERIAL SUCH AS CMU.	
G.	WALL ACCESSORIES SUCH AS FIRE EXTINGUISHER CABINETS, PAPER TOWEL DISPENSERS, ETC. INSTALLED IN RATED WALLS SHALL BE INSTALLED IN A MANNER WHICH WILL NOT REDUCE THE FIRE RATING OF THE WALL.	_
H.	ALL OUTSIDE CORNERS AND END OF GYPSUM BOARD PARTITIONS SHALL RECEIVE METAL CORNER BEADS OR METAL TRIM UNLESS NOTED OTHERWISE.	
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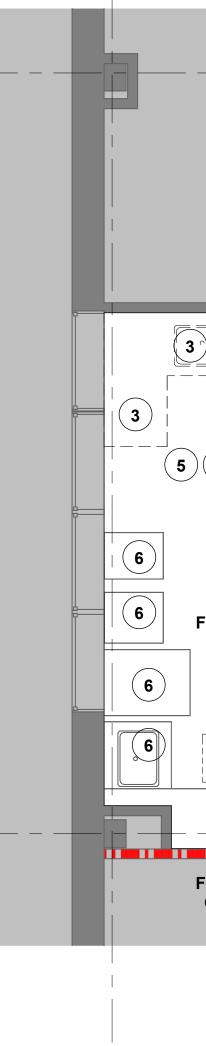
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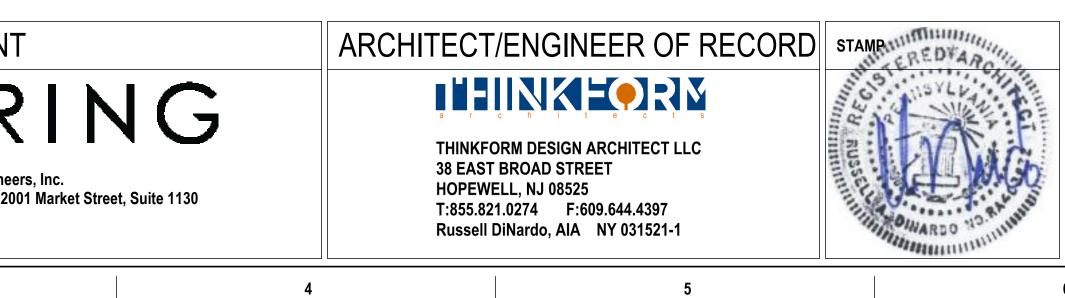
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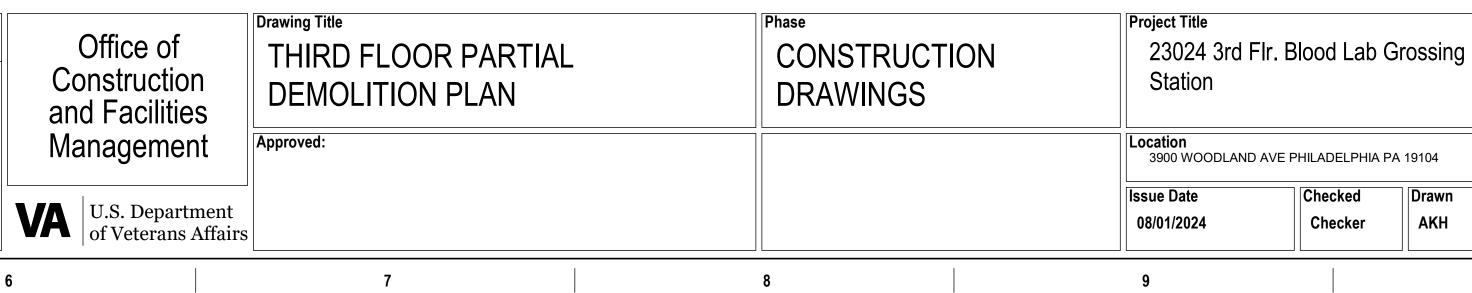
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DEMOLITION NOTES	DEMOLITION LEGEND:	<b>GENERAL DEMOLITION NOTES:</b> A. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD
(APPLY TO THIS SHEET ONLY)	EXISTING WALL TO REMAIN	AND COORDINATE ALL REMOVAL ACTIVITIES WITH NEW CONSTRUCTION. THE CONTRACTOR SHALL REPORT ALL DISCREPANCIES TO THE OWNER'S
1 REMOVE EXISTING INTERIOR PARTITIONS IN THEIR ENTIRETY.	EXISTING DOOR TO REMAIN	<ul> <li>REPRESENTATIVE FOR RESOLUTION PRIOR TO BEGINNING REMOVALS.</li> <li>B. PROTECT ALL CONSTRUCTION TO REMAIN FROM DAMAGE DURING</li> <li>REMOVAL OF ADJACENT CONSTRUCTION. REPAIR/REPLACE</li> </ul>
2 REMOVE EXISTING DOOR AND FRAME IN THEIR ENTIRETY.	TEMPORARY 1 HR BARRIER	CONSTRUCTION TO REMAIN THAT WAS DAMAGED DURING DEMOLITION TO MATCH THE QUALITY OF THE NEW WORK. PROVIDE DUST CONTROL AND CONTAINMENT MATS, FLOOR AND WALL PROTECTION.
3 REMOVE EXISTING CASEWORK , COUNTERTOP, SINK AND DRYING RACK	EXISTING 1 HR FIRE RATED FIRE BARRIER	C. THE ARCHITECTURAL DRAWINGS SHOW PRINCIPAL AREAS WHERE WORK MUST BE ACCOMPLISHED UNDER THIS CONTRACT. INCIDENTAL WORK
4 DESCONNECT AND REMOVE EXSITING GROSSING HOOD STATION	EXISTING SMOKE BARRIER	MAY ALSO BE NECESSARY IN AREAS NOT SHOWN ON THE ARCHITECTURAL DRAWINGS DUE TO CHANGES AFFECTING EXISTING ELECTRICAL, OR OTHER SYSTEMS. SUCH INCIDENTAL WORK IS ALSO A PART OF THE CONTRACT. CONTRACTOR SHALL INSPECT THOSE AREAS
5 REMOVE EXISTING FLOOR FINISH AT ENTIRE ROOM AND CLOSET, PREPARE FOR INSTALLATION OF NEW FLOOR FINISH	NOT IN SCOPE	AND ASCERTAIN WORK NEEDED AND DO THAT WORK IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS AND AT NO ADDITIONAL COST TO THE OWNER.
6 REMOVAL AND TEMPORARY RELOCATION OF ALL MOVABLE FURNITURE AND EQUIPMENT TO BE FACILITATED BY THE VA . GC TO SEAL WITH PROTECTIVE PLASTIC FOIL ALL REMAINING PERMANENT FURNITURE , EQUIPMENT AND FIXTURE .	• 10 DEMOLITION NOTE	<ul> <li>D. DO NOT DRILL OR CUT EXISTING FLOOR JOISTS, BEAMS, COLUMNS OR OTHER STRUCTURAL ELEMENTS UNLESS SPECIFICALLY NOTED. MAKE OPENINGS OF PROPER SIZE FOR CONDUITS AND PIPING AND OTHER ITEMS PASSING THROUGH OPENINGS.</li> <li>E. REPAIR, PATCH AND FINISH, OR REFINISH AS APPLICABLE, TO MATCH</li> </ul>
7 REMOVE CEILING AT CLOSET , PREPARE FOR SEAMLESS PATCHING (SEE GENERAL DEMO NOTE H)		ADJACENT EXISTING FINISHES DAMAGED OR NEWLY EXPOSED DURING THE PERFORMANCE OF THE WORK OF THIS CONTRACT. F. WHERE CUTTING OF EXISTING SURFACES OR REMOVAL OF EXISTING EINISHES IS REQUIRED TO REPEORM THE WORK UNDER THIS CONTRACT.
8 INSTALL HEPA EXHAUST AIR SYSTEM DIRECTED OUTDOOR		FINISHES IS REQUIRED TO PERFORM THE WORK UNDER THIS CONTRACT, AND A NEW FINISH IS NOT INDICATED, FILL RESULTING OPENINGS AND PATCH THE SURFACE AFTER DOING THE WORK, AND FINISH TO MATCH
9 REMOVE SECTION OF EXISTING CEILING, PREPARE FOR INSTALLATION OF NEW AIR DIFFUSER (SEE GENERLA DEMO NOTE H)		ADJACENT EXISTING SURFACES. G. WHERE A NEW CEILING IS NOT SCHEDULED, INSTALL CONDUITS AND PIPING IN EVERY CASE ABOVE THE CEILING. REMOVE EXISTING CEILING AS NECESSARY. AFTER INSTALLATION OF CONCEALED WORK, REINSTALL REMOVED CEILING AND PATCH AND REFINISH TO MATCH ADJACENT UN-
		<ul> <li>REMOVED CEILING AND PATCHAND REFINISHTO MATCHADJACENT ON REMOVED CEILINGS.</li> <li>H. G.C. TO CLOSE OR PROVIDE TEMPORARY CLOSING AT ALL OPEN SECTION OF CEILING AT THE END OF EACH SHIFT OF WORK . CEILING WORKS REQUIRED OPENING SHOULD BE DONE IN SEQUANCES EXECUTABLE DURING ONE SHIFT .* IF CEILING IS REMOVED LONGER THEN ONE SHIFT , THE SPRINKLER SYSTEM IS CONIDERED NON OPERATIONAL. THERORE THE 1H FIRE RATED CONSTRUCTION BARRIER OR TEMPORARY UPRIGHT SPINKLER NEED TO BE PROVIDED.</li> <li>I. WORK SHOWN IS NEW UNLESS SPECIFICALLY NOTED OR OTHERWISE INDICATED AS EXISTING.</li> <li>J. WHERE "MATCH EXISTING" IS INDICATED, NEW CONSTRUCTION OR FINISHES, AS APPROPRIATE TO THE NOTE, SHALL MATCH THE EXISTING IN THE PARTICULAR.</li> <li>K. DEFINITIONS M1. REMOVE: REMOVE AND LEGALLY DISPOSE OF ITEMS EXCEPT</li> </ul>
		THOSE INDICATED TO BE REINSTALLED, SALVAGED, OR EXISTING. M2. <u>SALVAGE</u> : ITEMS INDICATED TO BE SALVAGED SHALL REMAIN THE OWNER'S PROPERTY. REMOVE, CLEAN AND PACK OR CRATE ITEMS TO PROTECT AGAINST DAMAGE. IDENTIFY CONTENTS OF CONTAINERS AND DELIVER TO OWNER'S DESIGNATED STORAGE AREA. M3. <u>REINSTALL</u> : REMOVE ITEMS INDICATED. CLEAN SERVICE AND OTHERWISE PREPARE THEM FOR REUSE. STORE AND PROTECT AGAINST DAMAGE. REINSTALL ITEMS IN THE SAME LOCATIONS OR IN LOCATIONS INDICATED. M4. EXISTING: ORIGINAL ITEM TO REMAIN. PROTECT CONSTRUCTION
HISTOLOGY 3B132	G. C. TO SEAL WALL SHOWN SECTION OF THE WALL DURING ENTIRE CONSTRUCTION PERIOD	INDICATED AS EXISTING AGAINST DAMAGE AND SOILING DURING SELECTIVE DEMOLITION. M5. <u>RESTORE</u> : ITEMS INDICATED SHALL BE BROUGHT BACK TO THEIR ORIGINAL CONDITION. ORIGINAL CONDITION IS THE CONDITION THAT THE REFERENCED ITEM WAS IN WHEN THE BUILDING WAS FIRST CONSTRUCTED. M6. <u>REPLACE</u> : EXISTING ITEM TO BE REMOVED. PROVIDE NEW ITEM TO MATCH EXISTING.
3 3 4 1 5 6 4 9 6 9 6 1 1 5 6 1 5 6 1 1 5 6 1 1 5 6 1 1 5 6 8 1 1 5 6 8 1 1 5 6 8 1 1 1 1 1 1 1 1 1 1 1 1 1	G.C. TO INSTALL CONTUNUOUS PLASTIC BARRIER AFFIXED TO GROUND AND CEILING SECURED FROM MOVEMENT AND DAMAGE ONLY DURING CONSTRUCTION WORKS S HAPPENING ON WEEKENDS (WHEN THE LAB IS NOT OPERATING ) 2 CONSTRUCTION WORKS AT LAB EXTERIOR REQUIRED TO BE SCHEDULED ON WEEKENDS: 1. DEMOLITION OF EXISITNG DOOR AND FRAME AT CLOSET 2. DEMOLITION OF EXISITNG DOOR AND FRAME AT CLOSET AT LAB 3. FRAME EXSITNG OPENING TO THE CLOSED AND INSTALL NEW GYP. BOARD PATCH AND CAULK WITH EXSITNG AND PAINT 4. INSTALL NEW SLIDING DOOR .	<ul> <li>L. CONTRACTOR TO ABIDE BY ALL THE ICRA INFECTION CONTROL REGULATIONS.</li> <li>M. CONTRACTOR SHALL KEEP THE SITE CLEAN AT ALL TIMES AND COORDINATE TRASH REMOVAL WITH THE VA.</li> <li>N. TEMPORARY CONTINUOUS CONSTRUCTION BARRIER WILL BE PLASTIC AND MUST BE IN PLACE PRIOR TO ANY DEMOLITION. G.C. TO DETERMINE LOCATION FOR TEMPORARY CONSTRUCTION BARRIER DOOR ACCESS. CONSTRUCTION BARRIER DOOR(S) MUST BE SELF-CLOSING. PROVIDE STICKY MATS ON ALL ACCESS DOORS INTO CONSTRUCTION AREA. ANTE- ROOM REQUIRED AT CONSTRUCTION ENTRY. PROVIDE NANOMETER PRESSURE MONITORS FOR ALL CONSTRUCTION BARRIERS.</li> <li>O. PROVIDE NEGATIVE PRESSURE AIR HEPA UNITS AND EXHAUST TO EXTERIOR OF THE BUILDING.</li> <li>P. CONTRACTOR TO REVIEW &amp; FOLLOW ALL ABATEMENT REQUIREMENTS PRIOR TO THE START OF GENERAL DEMOLITION.</li> <li>Q. GC TO NOTIFY VA TWO(2) WEEKS IN ADVANCE AND COORDINATE WITH VA WHEN MAJOR SHUTDOWNS ARE TO OCCUR. SHUTDOWNS WILL NEED TO OCCUR AFTER REGULAR BUSINESS HOURS, OVERNIGHT AND WEEKENDS AS NEEDED TO MINIMIZE IMPACT TO PATIENTS AND STAFF.</li> </ul>
FLAMMABLE CHEMICAL STORAGE 3B130	G.C. TO PROVIDE LAB ENTRY ANTEROOM / TEMPORARY CONTUNUOUS PLASTIC BARRIER AFFIXED TO GROUND AND CEILING SECURED FROM MOVEMENT AND DAMAGE WITH SELF CLOSING MAGNETIC DOOR FOR ENTIRE CONSTRUCTION PERIOD	KEY PLAN
		PROJECT TRUE NORTH NORTH

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### **ITION NOTES:**

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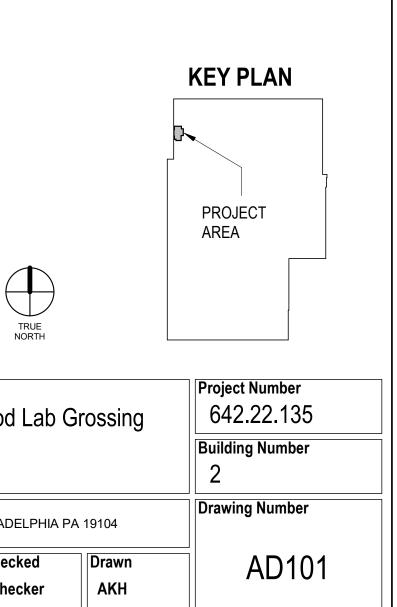
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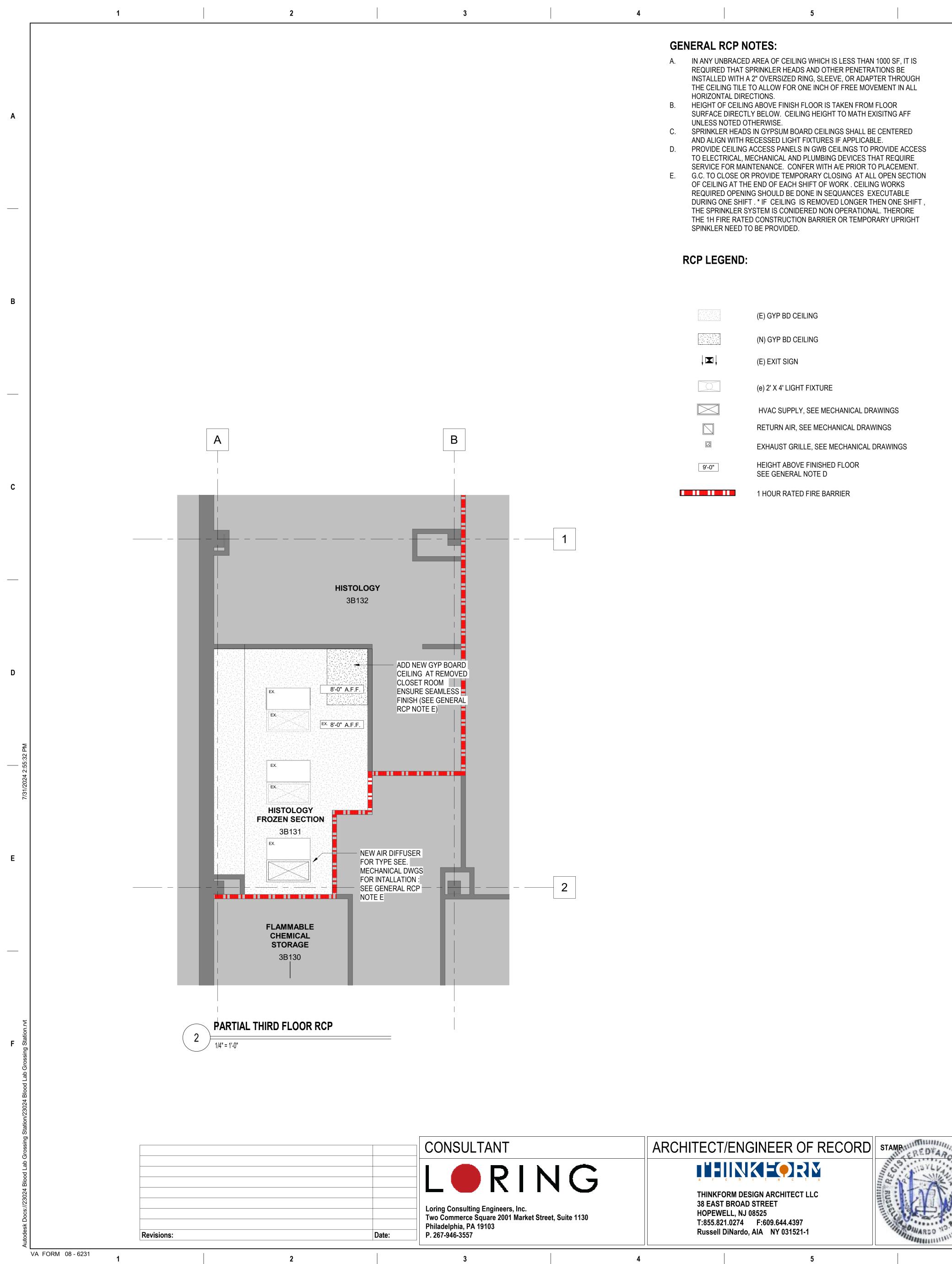
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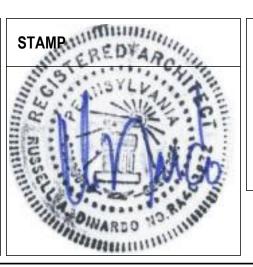


A. IN ANY UNBRACED AREA OF CEILING WHICH IS LESS THAN 1000 SF, IT IS REQUIRED THAT SPRINKLER HEADS AND OTHER PENETRATIONS BE INSTALLED WITH A 2" OVERSIZED RING, SLEEVE, OR ADAPTER THROUGH THE CEILING TILE TO ALLOW FOR ONE INCH OF FREE MOVEMENT IN ALL

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- HEIGHT OF CEILING ABOVE FINISH FLOOR IS TAKEN FROM FLOOR SURFACE DIRECTLY BELOW. CEILING HEIGHT TO MATH EXISITNG AFF
- C. SPRINKLER HEADS IN GYPSUM BOARD CEILINGS SHALL BE CENTERED AND ALIGN WITH RECESSED LIGHT FIXTURES IF APPLICABLE.
- D. PROVIDE CEILING ACCESS PANELS IN GWB CEILINGS TO PROVIDE ACCESS TO ELECTRICAL, MECHANICAL AND PLUMBING DEVICES THAT REQUIRE SERVICE FOR MAINTENANCE. CONFER WITH A/E PRIOR TO PLACEMENT.
- G.C. TO CLOSE OR PROVIDE TEMPORARY CLOSING AT ALL OPEN SECTION OF CEILING AT THE END OF EACH SHIFT OF WORK . CEILING WORKS REQUIRED OPENING SHOULD BE DONE IN SEQUANCES EXECUTABLE DURING ONE SHIFT . \* IF CEILING IS REMOVED LONGER THEN ONE SHIFT , THE SPRINKLER SYSTEM IS CONIDERED NON OPERATIONAL. THERORE THE 1H FIRE RATED CONSTRUCTION BARRIER OR TEMPORARY UPRIGHT

	(E) GYP BD CEILING
	(N) GYP BD CEILING
$\downarrow$	(E) EXIT SIGN
	(e) 2' X 4' LIGHT FIXTURE
	HVAC SUPPLY, SEE MECHANICAL DRAWINGS
	RETURN AIR, SEE MECHANICAL DRAWINGS
	EXHAUST GRILLE, SEE MECHANICAL DRAWINGS
9'-0"	HEIGHT ABOVE FINISHED FLOOR SEE GENERAL NOTE D
	1 HOUR RATED FIRE BARRIER



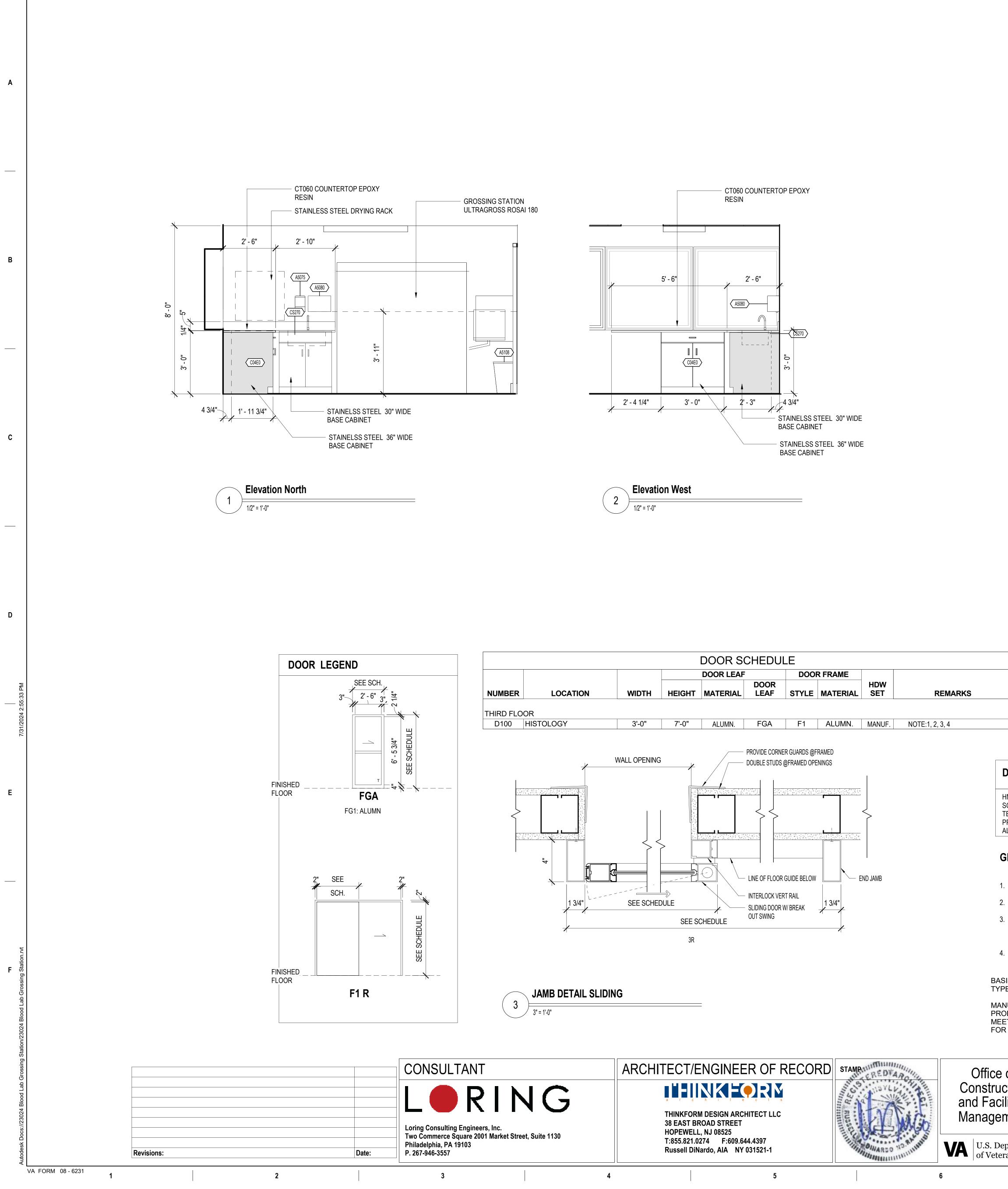
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	<ul> <li>GENERAL FLOOR PLAN NOTES:         <ul> <li>DIMENSIONS TO FACE OF STUD UNLESS NOTED OTHERWISE.</li> <li>ALL PARTITIONS ARE TYPE 1 UNLESS NOTED OTHERWISE.</li> <li>PLAN DETAIL DIMENSION STAINE PREVEDENT IF A CONFLICT ARISES WITH TYPICAL DIMENSION STRINGS. SEE PLAN DETAIL SNEETS A101-A103</li> <li>ALL INTERIOR DOORS ARE PLOCATED WITH INTERIOR OF JAMB AT HINGE SIDE 6 INCHES FROM ADJACENT WALL, UNLESS NOTED OTHERWISE.</li> <li>DOORS REFERENCED BY A DOOR NUMBER INDICATE A NEW DOOR OR SOME MODIFICATION TO AN EXISTING DOOR. SEE DOOR SCHEDULE DOORS REFERENCED BY A DOOR NUMBER INDICATE A NEW DOOR TO REMAIN, WITH NO WORK OR MODIFICATION REQUIRED.</li> <li>ALL CORRIDORS TO RECEIVE ABUSE-RESISTANT GYPSUM BOARD TO 4FT HT.</li> <li>PROVIDE CODE COMPLIANT WOOD BLOCKING OR SHEET METAL PLATES IN HOLLOW WALL SYSTEMS FOR ATTACHMENT OF ANY WALL MOUNTED ACCESSORIES INCLUDING, BUT NOT LIMITED TO, SHELYING, CASWORK, TOLET ACCESSORIES TOLIET PARTITIONS. LIGHT FUTURES, BENCHES, COAT RODS, AUDIO VISUAL EQUIPMENT, SECURITY CAMERAS, MARKER BOARDS, MIRRORS, ETC.</li> <li>WALLA ACCESSORIES SUCH AS FIRE EXTINGUISHER CABINETS AND PAPER TOWEL DISPENSERS THAT REQUIRE A SEMI-RECESSED INSTALLATION SHALL NOT REDUCE THE FIRE RATING OF THE WALL. IF A DETAIL IS NOT PROVIDED WITHIN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL CONSULT THE ARCHITECT FOR REPORED ETAILS PRIOR TO INSTALLING THE ACCESSORY.</li> <li>PARTITION TYPES AT INFILL WALLS SHALL MATCH ANDIONING EXISTING WALLS PROVIDING FOR A FLUSH, SMOOTH TRANSITION IN THE RISHED SURFACE. MATCH BASE IN AREAS WHERE BASE IS OTHERWISE INDICATED TO REMAIN, RUNNING FROM AN INTERIOR CONTRACTOR SHALL CONSULT THE ARCHITECT FOR PROPER DETAILS PRIOR TO INSTALLING THE ACCESSORY.</li>          PARTITION THE ARCES SHALL BE FLUSH AND SMOOTH.</ul></li>                REFERENCE DRAW AND AREAS WHERE BASE IS OTHERWISE INDICATED TO REMAIN, RUNNING FROM AN INTERIOR CONTRECTOR SHALL BE RESTORED TO ORIGINAL C</ul>
A	CONTRACT DOCUMENTS. O. VERIFY EXISTING DIMENSIONS, CONDITIONS AND CLEARANCES PRIOR TO THE SUBMISSION OF SHOP DRAWINGS.
HISTOLOGY BI31	1         NEW CONSTRUCTION LEGEND:         Image: Second Sec
	2 CONSTRUCTION NOTES (APPLY TO THIS SHEET ONLY)
FLAMMABLE CHEMICAL STORAGE 3B130	TORY ACE IENT 1 FRAME IN EXISTING OPENING ENSURE SEAMLESS WALL FINISH
	KEY PLAN
1 1/4" = 1'-0"	PROJECT AREA
	N PROJECT TRUE NORTH TRUE NORTH
Office of onstruction on Facilities anagement Approved:	Station Duilding Number
	3900 WOODLAND AVE PHILADELPHIA PA 19104
U.S. Department of Veterans Affairs	3900 WOODLAND AVE PHILADELPHIA PA 19104       Issue Date     Checked     Drawn     A101       08/01/2024     MC     AKH     A101

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					PROJECT NORTH	TRUE NORTH
of ction ilities	Drawing Title THIRD FLOOR PARTIAL	Phase CONSTRUCT DRAWINGS	ION	Project Title 23024 3rd F Station	ir. Bloo	d La
ment	Approved:			Location 3900 WOODLAND	AVE PHILA	.DELPH
epartment rans Affairs				Issue Date 08/01/2024	Che Me	ecked C
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## DOOR ABBREVIATION. LEGEND

НМ	HOLLOW METAL	
SCW	SOLID CORE WOOD	
TEMP	TEMPERED	
PR	PAIR	
ALUM	ALUMINUM	

### **GENERAL DOOR SCHEDULE NOTES:**

- 1. DOOR HARDWARE SHALL BE INSTALLED BY CONTRACTOR AND
- BE COMPATIBLE WITH BEST CORE SYSTEM. VERIFY DOOR LEAF HEIGHT & WIDTH REQUIREMENTS W/ SLIDING
- DOOR TRACK MANUFACTURER.
- TYPE 010: THE SLIDE-SWING PANEL SHALL BE PROVIDED WITH
- POSITIVE LATCH THAT WILL LATCH THIS PANEL IN PLACE WHEN CLOSED. A LEVER HANDLE SHALL BE PROVIDED ON EACH SIDE OF THE
- SLIDING PANEL TO UNLOCK THE DOOR. 4. THE DOOR NEEDS TO BE A SOUND RATED.

BASIS OF DESIGN: HORTON , PROFILER BARN DOOR SERIES TYPE 010 SINGLE SLIDE SURFACE APPLIED

MANUFACTURER'S TRADE NAMES AND NUMBERS USED HEREIN ARE ONLY TO IDENTIFY COLORS, FINISHES, TEXTURES AND PATTERNS. PRODUCTS OF OTHER MANUFACTURER'S EQUIVALENT TO COLORS, FINISHES, TEXTURES AND PATTERNS OF MANUFACTURERS LISTED THAT MEET REQUIREMENTS OF TECHNICAL SPECIFICATIONS WILL BE ACCEPTABLE UPON APPROVAL IN WRITING BY CONTRACTING OFFICER FOR FINISH REQUIREMENTS.

of ction lities	Drawing Title INTERIOR ELEVATION , DETAILS AND DOOR SCHEUDLE	Phase CONSTRUCTION DRAWINGS	Project Title 23024 3rd Fl Station	23024 3rd Flr. Blood Lab Grossing		
nent	Approved:		Location 3900 WOODLAND A	AVE PHILADELPHIA F	Drawing Number	
partment ans Affairs			Issue Date 08/01/2024	Checked MC	Drawn AKH	A102
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### **GLAZING LEGEND**

TEMPERED SAFETY GLASS

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- FIRE RATED GLASS FR
- IMPACT RESISTANT GLASS
- IR NOTE: SEE SPECIFICATIONS FOR DETAILED
- DESCRIPTIONS OF THE VARIOUS GLAZING TYPES.

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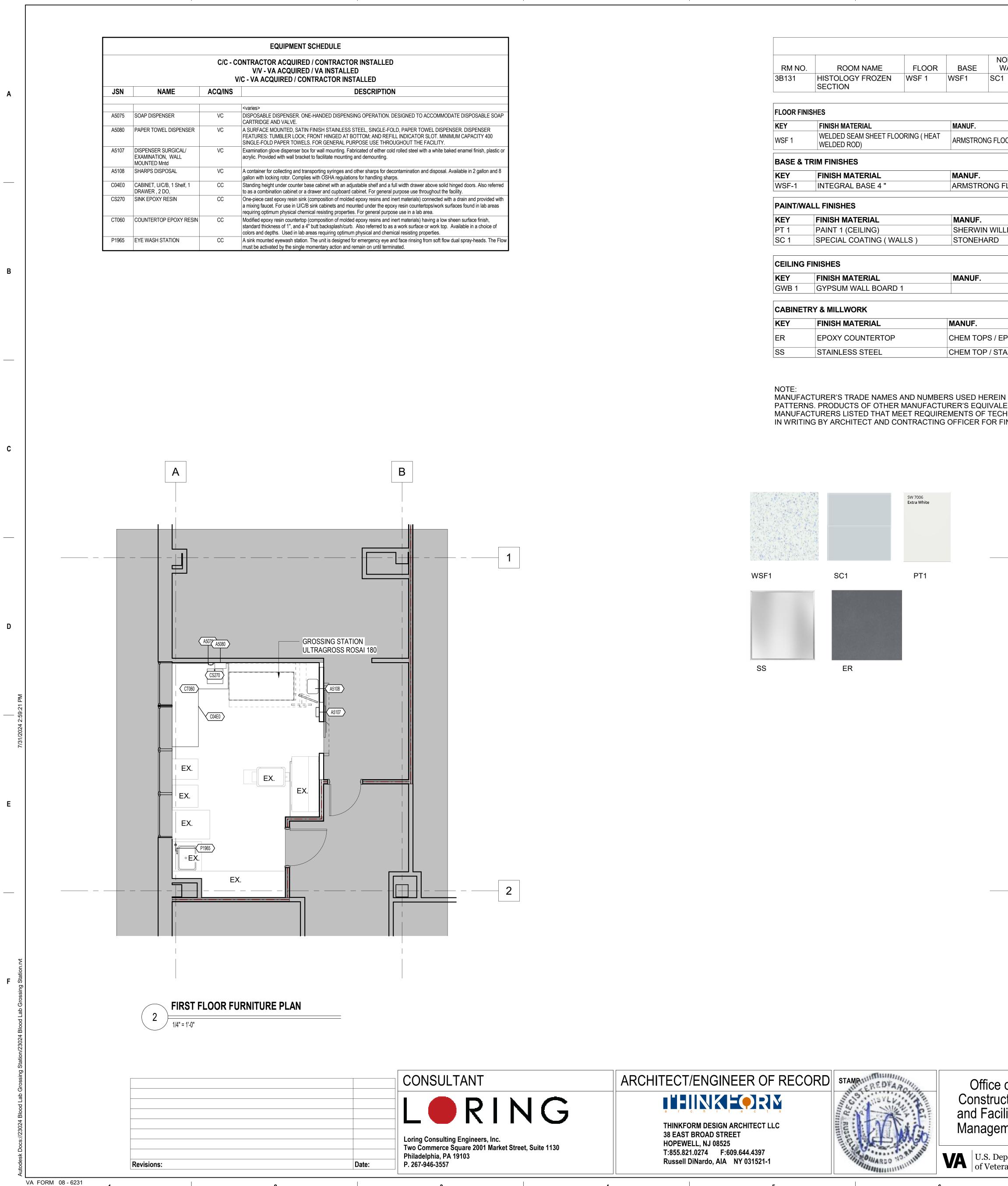
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					FINISH S	CHEDULE					
RM NO.	ROOM NAME	FLOOR	BASE	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING	CASEW	/ORK	NOTES
3B131	HISTOLOGY FROZEN SECTION	WSF 1	WSF1	SC1	SC1	SC1	SC1	PT1	SS		
FLOOR FINI	SHES										
KEY	FINISH MATERIAL MANUF.						ITEM NUME	BER/COLOR/FIN	ISH	SIZE	NOTES
WSF 1	WELDED SEAM SHEET FLO WELDED ROD)	ORING ( HEAT	ARMSTROM	NG FLOORING -	MEDIN PURE		ICEBERG H	3016			PVC- FREE
BASE & T	RIM FINISHES										
KEY	FINISH MATERIAL		MANUF.			ITEM NUMBER/COLOR/FINISH			SIZE	NOTES	
				<b>ARMSTRONG FLOORING - MEDIN PURE</b>			ICEBERG H3016 4"				
WSF-1	INTEGRAL BASE 4 "		ARMSTRO	JNG FLOORI	NG - MEDIN	IPURE	ICEBERG	6 H3016		4"	
	INTEGRAL BASE 4 "				NG - MEDIN	N PURE		6 H3016		4**	
			MANUF.		NG - MEDIN			MBER/COLO	R/FINISH	SIZE	NOTES
<b>PAINT/WA</b> KEY PT 1	ALL FINISHES FINISH MATERIAL PAINT 1 (CEILING)		MANUF. SHERWIN	N WILLIAM			ITEM NU EXTRA V	MBER/COLO	6		NOTES
PAINT/WA Key	LL FINISHES FINISH MATERIAL	LLS )	MANUF.	N WILLIAM			ITEM NU EXTRA V	MBER/COLO	6		NOTES
<b>PAINT/WA</b> KEY PT 1	ALL FINISHES FINISH MATERIAL PAINT 1 (CEILING) SPECIAL COATING ( WA	LLS )	MANUF. SHERWIN	N WILLIAM			ITEM NU EXTRA V	MBER/COLO	6		NOTES
PAINT/WA KEY PT 1 SC 1	ALL FINISHES FINISH MATERIAL PAINT 1 (CEILING) SPECIAL COATING ( WA	LLS )	MANUF. SHERWIN	N WILLIAM			ITEM NU EXTRA V STONEG	MBER/COLO	96 E MIST		NOTES
PAINT/WA KEY PT 1 SC 1 CEILING F	ALL FINISHES FINISH MATERIAL PAINT 1 (CEILING) SPECIAL COATING ( WA FINISHES		MANUF. SHERWIN STONEH	N WILLIAM			ITEM NU EXTRA V STONEG	MBER/COLO VHITE SW700 LAZE / BLUE	96 E MIST	SIZE	
PAINT/WA KEY PT 1 SC 1 CEILING F KEY GWB 1	ALL FINISHES FINISH MATERIAL PAINT 1 (CEILING) SPECIAL COATING ( WA FINISHES FINISH MATERIAL		MANUF. SHERWIN STONEH	N WILLIAM			ITEM NU EXTRA V STONEG	MBER/COLO VHITE SW700 LAZE / BLUE	96 E MIST	SIZE	
PAINT/WA KEY PT 1 SC 1 CEILING F KEY GWB 1	ALL FINISHES FINISH MATERIAL PAINT 1 (CEILING) SPECIAL COATING (WA FINISHES FINISH MATERIAL GYPSUM WALL BOARD		MANUF. SHERWIN STONEH	N WILLIAM			ITEM NU EXTRA V STONEG	MBER/COLO VHITE SW700 LAZE / BLUE	96 E MIST <b>R/FINISH</b>	SIZE	
PAINT/WA KEY PT 1 SC 1 CEILING F KEY GWB 1 CABINETF	ALL FINISHES FINISH MATERIAL PAINT 1 (CEILING) SPECIAL COATING (WA FINISHES FINISH MATERIAL GYPSUM WALL BOARD RY & MILLWORK		MANUF.	N WILLIAM			ITEM NU EXTRA V STONEG	MBER/COLO VHITE SW700 LAZE / BLUE MBER/COLO	96 E MIST <b>R/FINISH</b>	SIZE	NOTES

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					FINISH SC	CHEDULE					
RM NO.	ROOM NAME	FLOOR	BASE	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING	CASE	EWORK	NOTES
3B131	HISTOLOGY FROZEN SECTION	WSF 1	WSF1	SC1	SC1	SC1	SC1	PT1	SS		
FLOOR FINIS	SHES										
KEY	FINISH MATERIAL		MANUF.				ITEM NUM	BER/COLOR/FI	NISH	SIZE	NOTES
WSF 1	WELDED SEAM SHEET FLOORING ( HEAT WELDED ROD) ARMSTRONG FLOORING - MEDIN PURE						ICEBERG H	H3016			PVC- FREE
BASE & TI	RIM FINISHES										
KEY	FINISH MATERIAL M			MANUF.			ITEM NUMBER/COLOR/FINISH			SIZE	NOTES
WSF-1	INTEGRAL BASE 4 "		ARMSTRONG FLOORING - MEDIN PURE			ICEBERG H3016 4"					
PAINT/WA	LL FINISHES										
KEY	FINISH MATERIAL		MANUF.				ITEM NU	JMBER/COLO	OR/FINISH	SIZE	NOTES
PT 1	PAINT 1 (CEILING)		SHERWI	N WILLIAM			EXTRA WHITE SW7006				
SC 1	SPECIAL COATING ( WA	ALLS )	STONEH	ARD			STONEC	GLAZE / BLU	E MIST		
CEILING F	INISHES										
KEY	FINISH MATERIAL		MANUF.				ITEM NUMBER/COLOR/FINISH SIZE			SIZE	NOTES
GWB 1	GYPSUM WALL BOARD	1									
CABINETF	RY & MILLWORK										
KEY	FINISH MATERIAL		MANUF.				ITEM NUM	IBER/COLO	R/FINISH	SIZE	NOTES
ER	EPOXY COUNTERTOP		CHEM TO	PS / EPOXY	RESIN COUN	NTERTOP	GRAPHITE			5 INCH BACKSPLASH	
	STAINLESS STEEL CHEM TOP / STAINLESS STEEL CABINETRY BRUSH / 304 #3										

					FINISH SO	CHEDULE					
RM NO.	ROOM NAME	FLOOR	BASE	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING	CASEW	/ORK	NOTES
3B131	HISTOLOGY FROZEN SECTION	WSF 1	WSF1	SC1	SC1	SC1	SC1	PT1	SS		
FLOOR FINI	SHES										
KEY	FINISH MATERIAL MANUF.				ITEM NUME	BER/COLOR/FIN	IISH	SIZE	NOTES		
WSF 1	WELDED SEAM SHEET FLO WELDED ROD)	ORING ( HEAT	ARMSTROM	NG FLOORING -	MEDIN PURE		ICEBERG H	13016			PVC- FREE
BASE & T	RIM FINISHES										
KEY	FINISH MATERIAL		MANUF.			ITEM NUMBER/COLOR/FINISH			SIZE	NOTES	
WSF-1	INTEGRAL BASE 4 "		ARMSTRONG FLOORING - MEDIN PURE			ICEBERG H3016 4"			4"		
PAINT/WA	ALL FINISHES										
KEY	FINISH MATERIAL		MANUF.				ITEM NUMBER/COLOR/FINISH			SIZE	NOTES
PT 1	PAINT 1 (CEILING)		SHERWI	N WILLIAM			EXTRA WHITE SW7006				
SC 1	SPECIAL COATING ( WA	ALLS)	STONEH	ARD			STONEG	SLAZE / BLUE	EMIST		
CEILING F	FINISHES										
KEY	FINISH MATERIAL		MANUF.				ITEM NU	MBER/COLO	R/FINISH	SIZE	NOTES
	GYPSUM WALL BOARD	1									
GWB 1											
	RY & MILLWORK										
			MANUF.				ITEM NUM	IBER/COLOF	/FINISH	SIZE	NOTES
CABINETI	RY & MILLWORK			PS / EPOXY F	RESIN COUI	NTERTOP	ITEM NUM		/FINISH	SIZE	<b>NOTES</b> 5 INCH BACKSPLASH

					FINISH SC	HEDULE					
RM NO.	ROOM NAME	FLOOR	BASE	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING	CASEV	VORK	NOTES
3B131	HISTOLOGY FROZEN SECTION	WSF 1	WSF1	SC1	SC1	SC1	SC1	PT1	SS		
FLOOR FINIS	SHES										
KEY	FINISH MATERIAL		MANUF.				ITEM NUME	BER/COLOR/FIN	IISH	SIZE	NOTES
WSF 1	WELDED SEAM SHEET FLO WELDED ROD)	ARMSTRO	NG FLOORING -	MEDIN PURE		ICEBERG H	13016			PVC- FREE	
BASE & TH	RIM FINISHES										
KEY	FINISH MATERIAL	MANUF.			ITEM NUMBER/COLOR/FINISH SIZE			SIZE	NOTES		
WSF-1	INTEGRAL BASE 4 "		ARMSTRONG FLOORING - MEDIN PURE			ICEBERG H3016 4"					
PAINT/WA	LL FINISHES										
KEY	FINISH MATERIAL		MANUF.				ITEM NUMBER/COLOR/FINISH SIZE			SIZE	NOTES
PT 1	PAINT 1 (CEILING)		SHERWI	N WILLIAM			EXTRA WHITE SW7006				
SC 1	SPECIAL COATING ( WA	LLS)	STONEHARD			STONEGLAZE / BLUE MIST					
CEILING F	INISHES										
KEY	FINISH MATERIAL		MANUF.				ITEM NU	MBER/COLO	R/FINISH	SIZE	NOTES
GWB 1	GYPSUM WALL BOARD	1									
CABINETR	RY & MILLWORK										
KEY	FINISH MATERIAL		MANUF.				ITEM NUM	IBER/COLOR	/FINISH	SIZE	NOTES
ER	EPOXY COUNTERTOP		CHEM TO	PS / EPOXY F	RESIN COUN	ITERTOP	GRAPHITE				5 INCH BACKSPLASH
	STAINLESS STEEL CABINETRY BRUSH / 304 #										

MANUFACTURER'S TRADE NAMES AND NUMBERS USED HEREIN ARE ONLY TO IDENTIFY COLORS, FINISHES, TEXTURES AND PATTERNS. PRODUCTS OF OTHER MANUFACTURER'S EQUIVALENT TO COLORS, FINISHES, TEXTURES AND PATTERNS OF MANUFACTURERS LISTED THAT MEET REQUIREMENTS OF TECHNICAL SPECIFICATIONS WILL BE ACCEPTABLE UPON APPROVAL IN WRITING BY ARCHITECT AND CONTRACTING OFFICER FOR FINISH REQUIREMENTS.





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# **GENERAL FINISHES NOTES:**

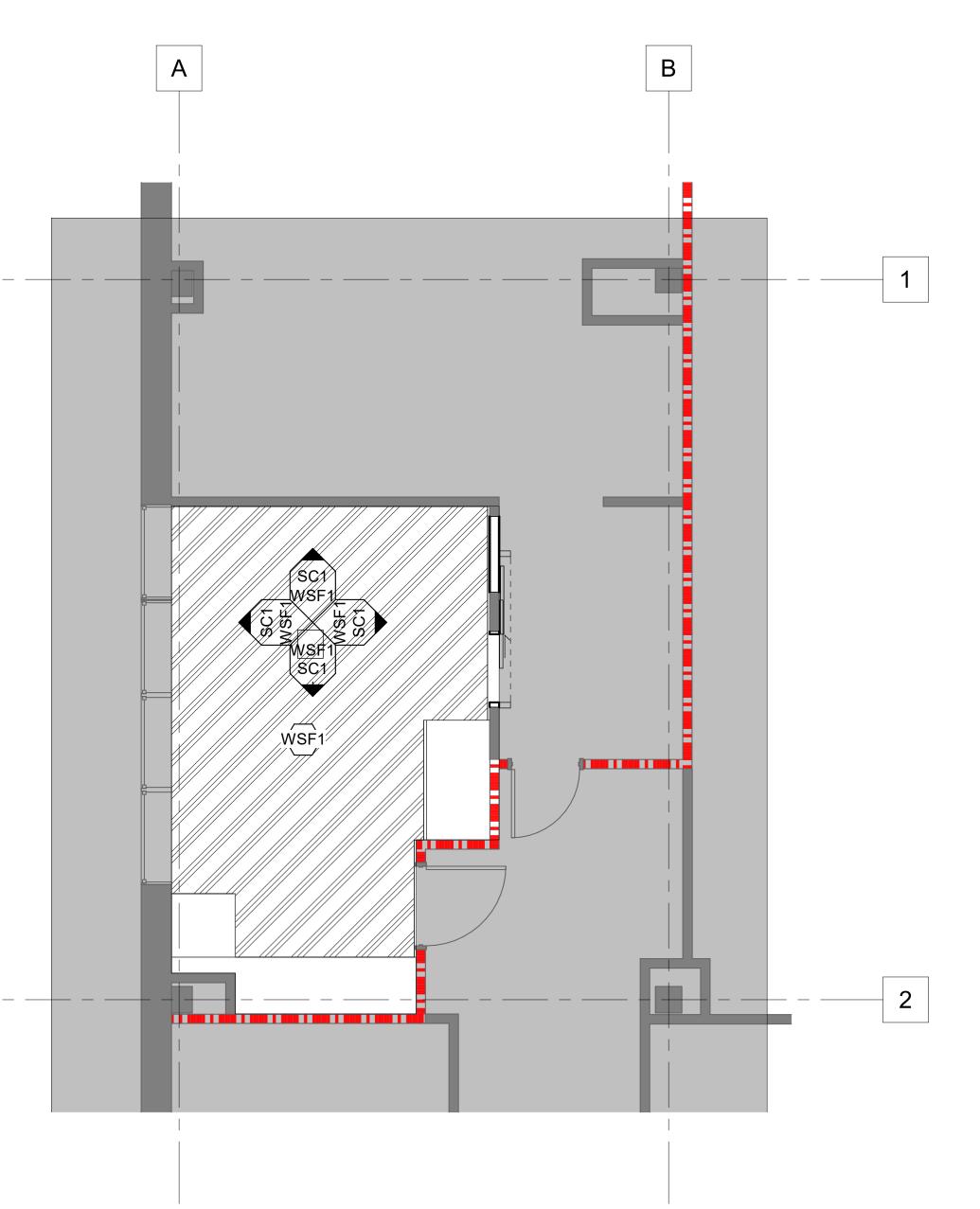
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- FLOOR PATTERNS AND FINISHES. B. PRIOR TO PAINTING, PAINTING CONTRACTOR SHALL SUBMIT TO APPROPRIATE LIGHTING.
- NOTED OTHERWISE.
- CLOSED DOORS.
- SURFACES UNLESS NOTED OTHERWISE. G. EACH MATERIAL SPECIFIED FOR FINAL APPROVAL.
- COMMENCING WORK.
- NOTED OTHERWISE. OTHERWISE.
- SCHEDULE FOR PAINTING OF EXPOSED STRUCTURE.
- ALL NEW COUNTERTOPS SHALL BE EPOXY RESIN. **STAINLESS STEEL**, UNLESS OTHERWISE NOTED.

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- PROVIDED BY OWNER AND ARE NOT IN CONTRACT.
- BRUSHED STAINLESS STEEL Ρ.

MATERIALS.



FIRST FLOOR FINISH PLAN 1 1/4" = 1'-0" \_\_\_\_\_

e of iction	Drawing Title THIRD FLOOR FINISH EQUIPMENT, PLANS	Phase CONSTRUCT DRAWINGS	ION	Project Title 23024 3rd Flr. B Station	lood La
ement				Location 3900 WOODLAND AVE P	HILADELPH
epartment erans Affairs				Issue Date 08/01/2024	Checked MC
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A. PRIOR TO INSTALLATION AND FABRICATION, CONTRACTOR SHALL COORDINATE WITH ARCHITECT AND INTERIOR DESIGNER TO REVIEW ALL ARCHITECT/INTERIOR DESIGNER EACH PAINT COLOR FINISH ON AN 8 1/2" X 11" SHEET OF CHIPBOARD FOR PRELIMINARY APPROVAL. FOR FINAL APPROVAL BY ARCHITECT, DESIGNER, AND OWNER PRIOR TO PAINTING, THE PAINTING CONTRACTOR SHALL PAINT EACH COLOR WITH THE DESIGNATED FINISH ON A 4' X 4' PIECE OF GYPSUM BOARD. SAMPLE BOARDS SHALL BE REVIEWED AND APPROVED AT THE JOB SITE WITH PAINT METAL WALL-MOUNTED ACCESS DOORS, GRILLS, RETURN AIR GRILLES, COVER PLATES, FAN COIL UNITS, FIRE EQUIPMENT CABINETS, AND ELECTRICAL CABINETS TO MATCH THE ADJACENT SURFACE UNLESS ALL INTERIOR DOORS SHALL BE STAINED TO MATCH DESIGNER'S SAMPLE. ALL FLOOR FINISH CHANGES SHALL OCCUR AT THE CENTER LINE OF F. FLOOR PATTERN TO CONTINUE UNDER ALL OPEN WOODWORK WORK PRIOR TO ORDERING, SUB-CONTRACTORS FOR FLOORING, PAINTING, AND MILLWORK SHALL SUBMIT TO ARCHITECT/DESIGNER AN 8" x 8" SAMPLE OF H. IF ANY DISCREPANCIES OR OMISSIONS ARE NOTED IN THESE DRAWINGS, CONTACT INTERIOR DESIGNER/ARCHITECT PRIOR TO ORDERING OR ALL PAINTED GWB WALLS SHALL BE <u>SPECIAL COATING</u> FINISH, UNLESS B ALL PAINTED GWB CEILINGS SHALL BE <u>PT-1 FLAT</u> FINISH, UNLESS NOTED K. IN AREAS INDICATED BY THE FINISH SCHEDULE TO BE PAINTED AND WHERE NO CEILING IS INDICATED, PAINT SHALL EXTEND TO THE BOTTOM OF THE FLOOR OR ROOF STRUCTURE (TYPICAL). REFER TO THE FINISH ALL NEW LOWER CABINET FACES, SUPPORTS, AND SKIRTS SHALL BE \_ N. FURNISHINGS SHOWN ARE FOR THE PURPOSE OF ESTABLISHING SPACE REQUIREMENTS AND FOR LOCATING UTILITIES. ALL FURNISHINGS ARE 0. ALL ELECTRICAL RECEPTACLE AND SWITCH PLATE COLORS SHALL BE SEE TRANSITION DETAILS **T1** FOR TRANSITION BETWEEN FLOORING С RESILIENT FLOORING TILE T-1 JOHNSONITE CTA-29-H **FINISH LEGEND** WALL FINISH - WALL BASE Project Number 642.22.135 Lab Grossing **Building Number** Drawing Number PHIA PA 19104 ed Drawn A103 AKH

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				TAG	PLUMBING FIXTURE	SOIL /
C				SK EW	LAB SINK EYEWASH	
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## REMOVAL NOTES

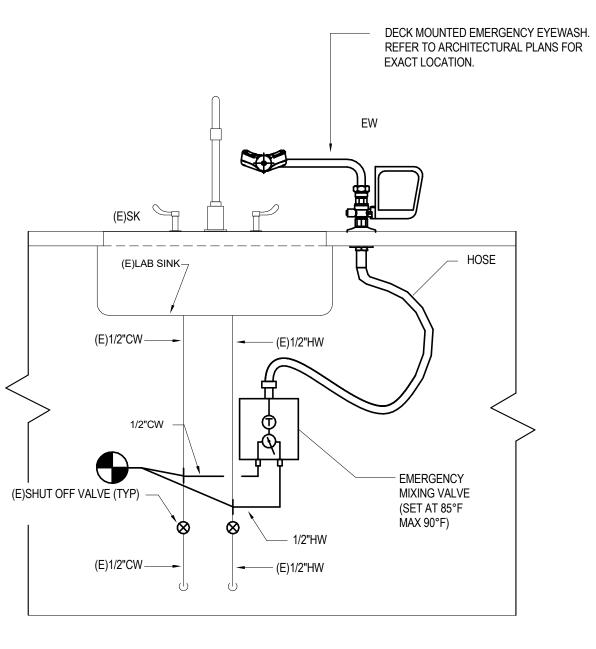
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- A. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT.
- B. VERIFY ALL GOVERNING DIMENSIONS, PIPE SIZES AND LOCATION OF THE PIPING AND EQUIPMENT TO BE REMOVED.
- C. NOTIFY BUILDING MANAGER AT LEAST 48 HOURS BEFORE DEMOLITION WORK OR BEFORE SHUT DOWN OF EXISTING SERVICES. RISER SHUT DOWNS SHALL BE PERFORMED AT CONTRACTOR'S COST, AT DESIGNATED TIMES UNDER BUILDING MANAGER'S SUPERVISION AND ONLY WITH APPROVAL.

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- D. ALL FIXTURES, EQUIPMENT, PIPING, ETC. TO BE REMOVED, SHALL BE DISPOSED OF, RELOCATED, TURNED OVER TO THE TENANT OR SALVAGED AS DIRECTED BY THE ARCHITECT.
- E. UPON COMPLETION OF ALL NEW WORK NO ABANDONED PIPING SHALL REMAIN.F. THE EXISTING SYSTEMS SHALL BE LEFT IN PERFECT WORKING ORDER UPON COMPLETION OF ALL NEW WORK.
- G. LOCATIONS AND SIZES OF EXISTING PIPING ARE APPROXIMATE. EXACT SIZES AND LOCATIONS OF ALL EXISTING
- PIPING SHALL BE VERIFIED AT THE SITE.H. NO REMOVED EXISTING PIPING FITTINGS, VALVES, FIXTURES, ETC. SHALL BE REUSED UNLESS OTHERWISE
- APPROVED BY THE ENGINEER.
- I. REFER TO ARCHITECTURAL DRAWINGS FOR ALL CEILING HEIGHTS.
- J. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL FROM THE PREMISES OF ALL DEBRIS RESULTING FROM PLUMBING WORK.
- K. ALL METAL RECYCLE WILL BE COLLECTED AND TRANSPORTED BY THE CONTRACTOR TO THE NEAREST RECYCLING CENTER. THE GENERATED PROCEEDS WILL BE ISSUED TO THE SOCIAL SECURITY ADMINISTRATION IN THE FORM OF A CHECK.

	PLUMBING FIXTURE SCHEDULE										
	CONNECTIO	ON SIZE - INCHE	S	LOCAL							
/ WASTE (S/W)	VENT (V)	COLD WATER	HOT WATER	THERMOSTATIC MIXING VALVE	FIXTURE	TRIM					
2"	2"	1/2"	1/2"	NO	CHEMTOPS EPOXY SINK MODEL D52 24"x18", 11" DEEP. PROVIDE WITH S03-R SINK OUTLET W/ STRAINER CAP	TRIM: SPEARS LAB WASTE CHEMICAL RESISTANT CPVC P-TRAP & WASTE SINK OUTLET, McGUIRE # LF2165CCLK LEAD FREE BRASS LOOSE KEY COMPRESSION ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS, P-TRAP AND WASTE ARM AND ESCUTCHEON.					
					T&S BRASS #BL-5704-08WH4 SINGLE HOLE FAUCET WITH WRIST BLADE HANDLES, SERRATED TIP OUTLET AND VACUUM BREAKER						
-	-	1/2"	1/2"	YES	GUARDIAN #G1806 DECK MOUNTED EYEWASH, 90° SWIVEL, RIGHT HAND MOUNTING. WATER FLOW IS ACTIVATED BY FLAG HANDLE.	GUARDIAN #G6020 THERMOSTATIC MIXING VALVE FOR TEPID WATER AS REQUIRED BY ANSI Z358.0-2014 (SET AT 85° - 90°F)					



SINK DECK MOUNTED EMERGENCY EYEWASH NOT TO SCALE



6

- 1. DRAWINGS ARE DIAGRAMMATIC ONLY AND REPRESENT THE GENERAL SCOPE OF THE WORK. PRIOR TO SUBMITTING BID, VISIT THE JOB SITE TO OBSERVE THE EXISTING CONDITIONS OF THE PROJECT. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID. FAILURE TO COMPLY, SHALL NOT HOLD THE OWNER RESPONSIBLE FOR ANY ADDITIONAL COST.
- 2. PROVIDE WORKMANSHIP OF HIGHEST GRADE: INSTALL ALL EQUIPMENT IN CONFORMANCE WITH MANUFACTURER RECOMMENDATIONS AND REQUIREMENTS OF THE FACILITY.
- 3. PROVIDE A CONSTRUCTION RECORD SET OF "AS-BUILT" DOCUMENTS TO THE ARCHITECT REFLECTING ANY VARIANCES OF INSTALLED PIPING LOCATIONS OR EQUIPMENT CONTRARY TO THE CONSTRUCTION DOCUMENTS, REFER TO SPECIFICATIONS.
- 4. PROVIDE ONE YEAR GUARANTEE AGAINST DEFECTIVE WORKMANSHIP AND MATERIAL.
- 5. COORDINATE ALL WORK TO MINIMIZE INTERFERENCE WITH OTHER TRADES.
- REFER TO ARCHITECTURAL DRAWINGS FOR ALL CEILING HEIGHTS.
   NO "DEAD ENDS" SHALL BE LEFT ON ANY DRAINAGE PIPING UPON COMPLETION OF WORK.
- 8. PROVIDE ACCESS PANELS FOR ALL VALVES AND CLEANOUTS ON
- 9. PROVIDE TO THE ARCHITECT A COPY OF INSPECTION REPORTS AND APPROVAL CERTIFICATES FROM LOCAL AND STATE INSPECTIONS, REFER TO SPECIFICATIONS.

RISE AND CONCEALED ABOVE CEILING.

- 10. INSTALLATION SHALL COMPLY WITH LEGALLY CONSTITUTED CODES AND THE REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION AND ALSO MEET ALL REQUIREMENTS OF THE LANDLORD. OBTAIN A COPY OF THE LANDLORD'S REQUIREMENTS AND REVIEW PRIOR TO SUBMITTING BID.
- 11. PLANS AND SPECIFICATIONS GOVERN WHERE THEY EXCEED CODE REQUIREMENTS.
- 12. VERIFY LOCATION AND DEPTH OF UTILITIES AT POINTS OF CONNECTION BEFORE START OF PIPING INSTALLATION.
- 13. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF PLUMBING FIXTURES.
- 14. DO NOT SCALE FLOOR PLANS FOR EXACT HORIZONTAL LOCATION OF PIPE ROUTING.
- 15. INSTALL CONCEALED PIPING TIGHT TO THE STRUCTURE AND AS HIGH AS POSSIBLE. INSTALL EXPOSED PIPING TIGHT TO THE STRUCTURE, WALL OR CEILING AND AS HIGH AS POSSIBLE. COORDINATE WITH OTHER TRADES TO AVOID CONFLICTS.
- 16. VALVES SHALL BE LINE SIZE UNLESS OTHERWISE NOTED.
- 17. PIPING IN FINISHED AREAS SHALL BE ROUTED CONCEALED; EXPOSED PIPING, WHERE NECESSARY, SHALL BE ROUTED AS HIGH AS POSSIBLE AND TIGHT TO WALLS.
- INSTALL NO PLASTIC PIPE OF ANY KIND ABOVE SLAB INSIDE OR UNDER THE BUILDING. INSTALL NO PLASTIC PIPE IN THE CEILING RETURN AIR PLENUM.
- 19. COORDINATE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
- 20. COORDINATE PIPING INSTALLATION WITH STRUCTURAL GRADE BEAMS, FOOTINGS, COLUMN PIERS, ETC. SLEEVE PIPING THROUGH GRADE BEAMS, FOOTING, ETC. WHERE REQUIRED AND AS NOTED ON PLANS. COORDINATE SLEEVE INSTALLATIONS WITH THE ARCHITECT, STRUCTURAL ENGINEER, STRUCTURAL CONTRACTOR AND GENERAL CONTRACTOR BEFORE CONCRETE IS INSTALLED.
- 21. CLEAN FAUCET AERATORS AND PIPE STRAINERS PRIOR TO TURNING BUILDING OVER TO THE OWNER.
- 22. PROVIDE TRAP PRIMERS WHERE REQUIRED BY LOCAL AUTHORITIES.
- 23. COORDINATE PIPE ROUTING AWAY FROM ELECTRICAL PANELS. DO NOT INSTALL PIPING OVER ELECTRICAL PANELS.
- 24. PAINT ALL EXPOSED GAS AND WATER PIPING USING RUST INHIBITOR PAINT. PAINT AND COLOR SHALL BE COORDINATED WITH THE ARCHITECT AND / OR OWNER.
- 25. COORDINATE ALL ROOF PENETRATIONS WITH OTHER TRADES. MAINTAIN 10' MINIMUM CLEARANCE FROM ALL AIR INTAKES. MAINTAIN 2' CLEARANCE FROM ALL OTHER EQUIPMENT.
- 26. INSULATE PIPING ROUTED IN EXTERIOR BUILDING WALLS WITH MINIMUM 2" BATT INSULATION TO PREVENT FREEZING.
- 27. PROVIDE 1" INSULATION ON ALL INTERIOR STORM PIPING THAT RUNS HORIZONTALLY.
- 28. WATER HAMMER ARRESTORS SHALL BE SIZE "A" UNLESS NOTED OTHERWISE.

PL	UMBI	NG	SYN	1BOL	LIS

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	SANITARY DRAINAGE PIPING (S) SANITARY DRAINAGE PIPING BELOW SLAB OR
	GROUND (S)
	VENT PIPING (V)
	COLD WATER PIPING (CW)
	HOT WATER PIPING (HW)
MANIFOLD	VALVE MANIFOLD
	FLANGED UNION
	PIPE-UP UNLESS OTHERWISE NOTED
	PIPE DROP UNLESS OTHERWISE NOTED
	TOP CONNECTION
	BOTTOM CONNECTION
	VENT THROUGH ROOF
]	VALVED CAPPED OUTLET
	CLEANOUT WITH BRUSH FINISH TO MATCH WALL FINISH
$\odot$	CLEANOUT DECK PLATE (CODP)
	TRAP
	WATER PROOF SLEEVE
—— XI———	SHUT OFF VALVE
<b>ē</b>	BALL VALVE
	CONTROL VALVE
*	CHECK VALVE
	CHECK VALVE
	TEMPERATURE & PRESSURE RELIEF VALVE
	SHOCK ABSORBER / WATER HAMMER ARRESTOR (SA, WHA)
—IJ—	CIRCUIT SETTER FLOW CONTROL VALVE (FCV)
<u>D</u> C	DRAIN W/ TRAP
$\bigcirc$	CONNECT TO EXISTING
M	METER
Ø	FLOOR DRAIN
BFP -	BACKFLOW PREVENTER
+++++++++++++++++++++++++++++++++++++++	EXISTING PIPING AND OR EQUIPMENT TO BE REMOVED CAP AND/OR PLUG PIPING CONCEALED
	PIPING WITH HEAT TAPE (HT)
<u>;                                    </u>	PIPE SLEEVE WITH LINK SEAL
<u></u>	PIPE SLEEVE
IOTE:	

/	ABBREVIATIONS
BFP	BACKFLOW PREVENTER
ВТ	BATHTUB
CLG.	CEILING
CODP	CLEAN OUT DECK PLATE
CW	COLD WATER
DW	DISHWASHER
DFU	DRAINAGE FIXTURE UNIT
DN	DOWN
DR	DRAIN
E, (E)	EXISTING
ET	EXPANSION TANK
FD	FLOOR DRAIN
FS	FLOOR SINK
G	NATURAL GAS
HB	HOSE BIBB
HS	HAND SINK
HT	HEAT TAPE
HW	HOT WATER
IE	INVERT ELEVATION
INV	INVERT
IW	
M	METER
NTS	NOT TO SCALE
LAV	LAVATORY
REF	REFRIGERATOR
SA	SHOCK ABSORBER
SAN	SANITARY
SF SQ.FT.	
SQ.FT.	SQUARE FOOT (FEET)
SHR	SINK
TMV	
Т	THERMOSTATIC MIXING VALVE
TW	TEMPERED WATER
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
V	VENT
VB	VACUUM BREAKER
VTR	VENT THROUGH ROOF
W	WASTE
WC	WASTE WATER CLOSET
WM	WATER CLOSET
WH	WASHING MACHINE WATER HEATER
NFWH	NON FREEZE WALL HYDRANT
WSFU	WATER SUPPLY FIXTURE UNIT

ALL SYMBOLS NOT NECESSARILY SHOWN ON DRAWINGS.

COMPLETE LAYOUT DRAWINGS WILL BE REQUIRED PER SPECIFICATIONS & SUBMITTALS. CONSTRUCTION WORK WILL NOT START ON ANY SYSTEM UNTIL THE LAYOUT DRAWINGS HAVE BEEN APPROVED BY VA. NOTE: ALL SYMBOLS NOT NECESSARILY SHOWN ON DRAWINGS.

	PLUMBING DRAWIN
Sheet Number	Sheet N
P-001	PLUMBING NOTES, SYMBOLS AN
P-101	PLUMBING THIRD FLOOR DEMO

of ction lities	Drawing Title PLUMBING NOTES, SYMBOLS ABBREVIATIONS		NSTRUCTIO AWINGS	Project Title 23024 Blood Lab Gro		
nent	Approved:				Location 3900 WOODLAND AVE	PHILADEL
partment ans Affairs					Issue Date 08/01/24	Checke AS
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		Project Number
ssing	Station	642.22.135
		Building Number
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PHIA PA	19104	Drawing Number
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IG LIST
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ND ABBREVIATIONS
DLITION & NEW WORK PLANS

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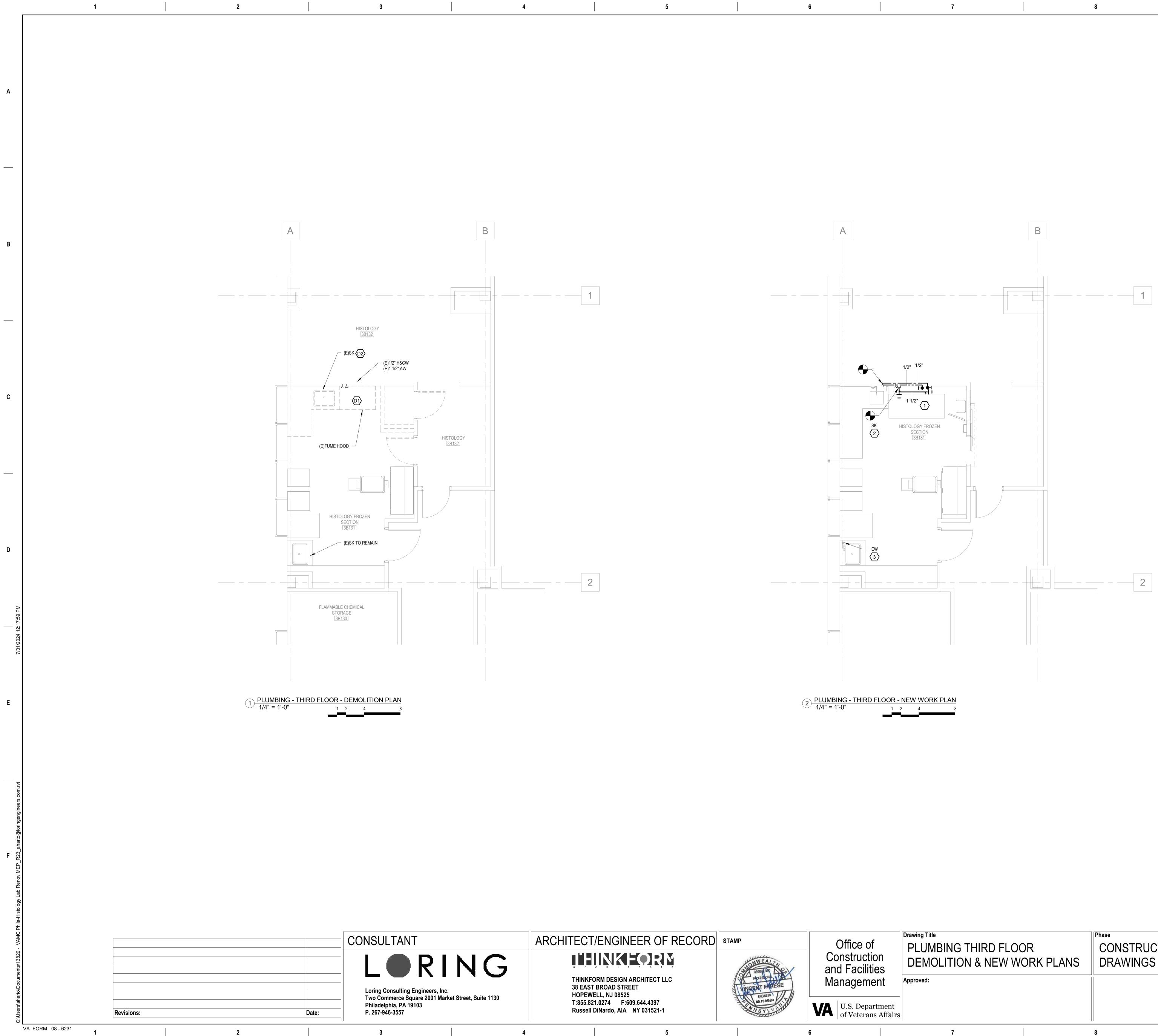
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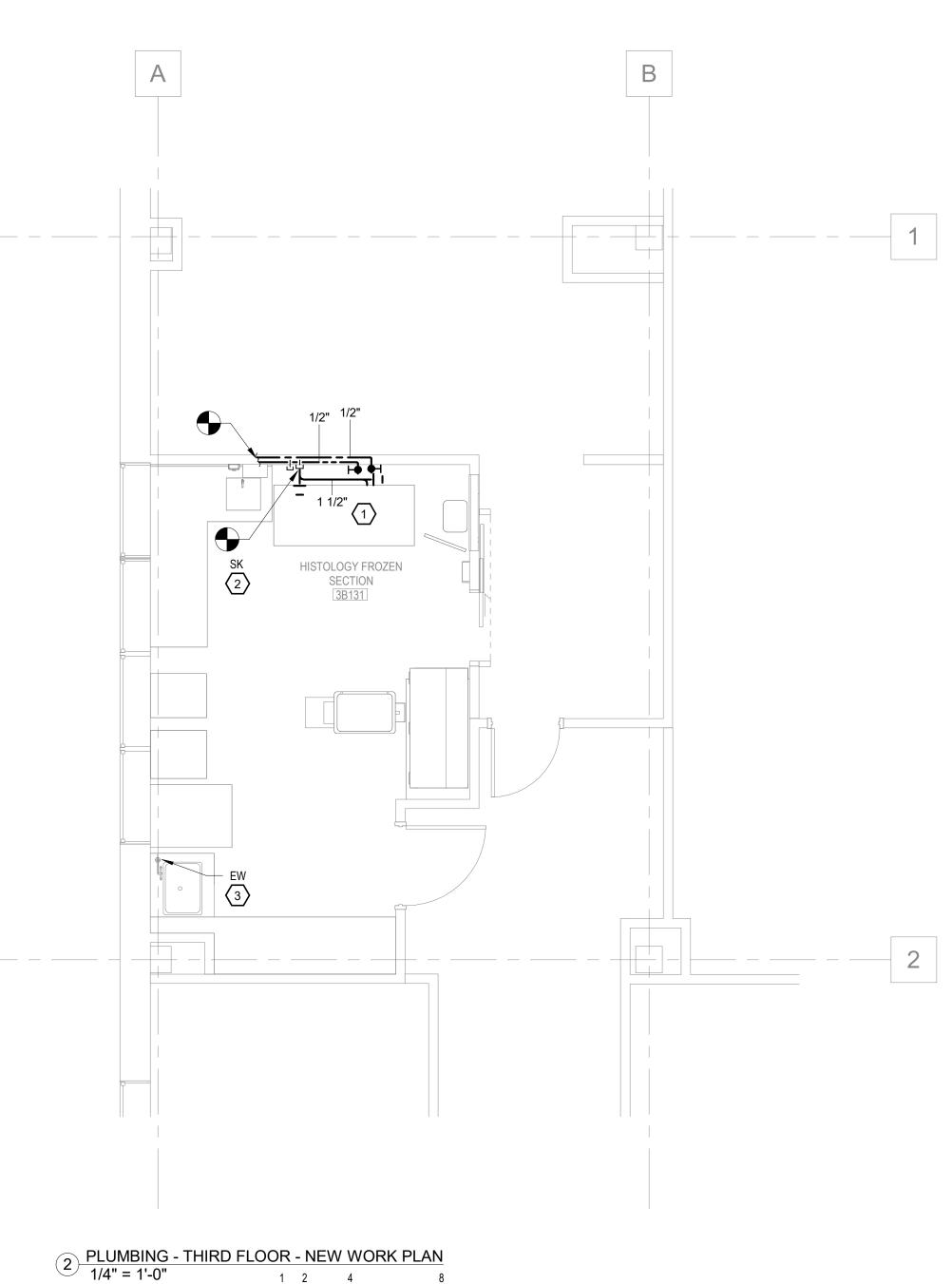
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	DEMOLITION
D1	DISCONNECT ALL PLUMBI EXISTING FUME HOOD AN
D2	DISCONNECT ALL PLUMBI FROM EXISTING SINK AND
	NEW WORK M
$\langle 1 \rangle$	CONNECT NEW 1/2" HOT & CONNECTIONS FROM EXI CONNECT NEW 1 1/2" ACII
	REQUIRED FOR NEW GRO FOR A COMPLETE INSTAL
<b>2</b>	

Project Title 23024 Blood Lab Grossing Station CONSTRUCTION DRAWINGS Location 3900 WOODLAND AVE PHILADELPHIA PA 19104 Checked Issue Date AS 08/01/24

PROJECT TRUE NORTH

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## NKEYED NOTES:

BING SERVICES (ACID WASTE AND COLD WATER FROM AND CAP AT WALL.

IBING SERVICES (ACID WASTE, HOT AND COLD WATER ND CAP AT WALL. REMOVE EXISTING SINK & FAUCET.

## **KEYED NOTES:**

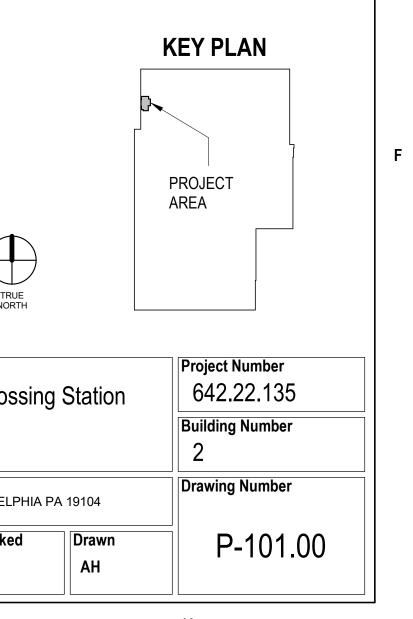
T & COLD WATER FROM ADAJCENT CAPPED EXISTING SINK AND EXTEND TO NEW GROSSING STATION. CID WASTE DRAIN TO EXISTING ACID WASTE SYSTEM AS OSSING STATION. PROVIDE ALL VALVES AND FITTINGS LLATION.

EXISTING WASTE AND HOT& COLD WATER END PLUMBING SERVICES AS REQUIRED AND PROVIDE OR A COMPLETE INSTALLATION. JN 1/2" HOT & COLD WATER FROM EXISTING SINK 'H MIXING VALVE. SEE DETAIL ON DRAWING P-001.

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	MECHAN	ICAL SYMBOL LIST		MECHANICAL ABBREVIATIONS			
ſS	TEMPERATURE SENSOR ELECTRIC	LONWORKS THERMOSTAT	AD	ACCESS DOOR	LD	LINEAR DIFFUSER	
<u>(</u> )(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)	COMBINATION TEMPERATURE SENSOR/HUMIDISTAT	T) THERMOSTAT (SPACE) ELECTRIC	AFF	ABOVE FINISHED FLOOR	LPS	LOW PRESSURE STEAM	
	THERMOSTAT (DUCT)	H HUMIDISTAT	AL	ACOUSTICAL LINING	LPR	LOW PRESSURE STEAM CONDENSATE RETURN	
P			AHU	AIR HANDLING UNIT	MBH	THOUSAND BTU'S PER HOUR	
BE BE	DIFFERENTIAL PRESSURE SENSOR BREAK GLASS STATION	S SWITCH Fs FIRESTAT	BG	BOTTOM GRILLE	NK	NECK (AS RELATED TO DUCT & DIFFUSER)	
	DREAR GLASS STATION	Fz FREEZESTAT	BN	BOTTOM NECK	NIC	NOT IN THIS CONTRACT	
			CAV	CONSTANT AIR VOLUME	NTS	NOT TO SCALE	
6	NATURAL GAS DETECTOR	CARBON MONOXIDE DETECTOR 'S' INDICATES STAND ALONE TYPE	СВ	CHILLED BEAM	NC	NORMALLY CLOSED	
C02	CARBON DIOXIDE SENSOR	DDC DIRECT DIGITAL CONTROL PANEL	CC	COOLING COIL	NO	NORMALLY OPEN	
-1	THERMOMETER	1 HVAC FLOOR PLAN KEY NOTES	CD	CEILING DIFFUSER	OAD	OUTSIDE AIR DAMPER	
$\square$	SUPPLY AIR OUTLET, 4 WAY	DUCT SECTION UNDER POSITIVE PRESS	URE	CEILING GRILLE	OAI	OUTSIDE AIR INTAKE	
			CHW	CHILLED WATER	OED	OPEN END DUCT WITH WMS	
	RETURN AIR REGISTER	DUCT SECTION UNDER NEGATIVE PRESS	SURE COD	CLEAN OUT DOOR	RA	RETURN AIR	
			CR	CEILING REGISTER	RHC	REHEAT COIL	
	SUPPLY AIR OUTLET - 3, 2 & 1 WAY THROW			CUBIC FEET OF AIR PER MINUTE	RTU	ROOFTOP UNIT	
$\square$	DUCTWORK GOING UP	INSULATION AND 2 HOUR RATED ENCLO SPECIFICATIONS FOR ADDITIONAL REQU	OSURE. REFER TO CUH	CABINET UNIT HEATER	SD	SMOKE DAMPER AND ACCESS DOOR	
	DUCTWORK GOING DOWN	SMOKE DAMPER WITH DUCT ACCESS DO	OOR. COORDINATE WITH GENERAL DSD	DUCT MOUNTED SMOKE DETECTOR	SPD	FIRE SMOKE DAMPER USED FOR SMOKE PURGE	
FSD	1	SD CONTRACTOR TO PROVIDE ACCESS DO	ORS IN INACCESSIBLE LOCATIONS EDH	ELECTRIC DUCT HEATER	SMUA	MAKE UP AIR FOR SMOKE PURGE SYSTEM	
■ SHR	FIRE SMOKE DAMPER WITH DUCT ACCESS DOOR. COORDINATE WITH GENERAL CONTRACTOR TO PROVIDE	DUCT THROUGH BEAM PENETRATION. R		ELECTRIC UNIT HEATER	SPX	SMOKE PURGE EXHAUST AIR	
	FSD ACCESS DOORS IN INACCESSIBLE LOCATIONS 3HR - 3 HOUR RATED FSD		ION. EA	EXHAUST AIR			
			EL	ELEVATION	ST	SOUND ATTENUATOR	
18 x 12	DUCT SIZE - FIRST SIZE INDICATES PLAN SIZE	ACCESS DOOR IN DUCT	FD	FIRE DAMPER AND ACCESS DOOR	SX	SMOKE EXHAUST	
	DUCT SMOKE DETECTOR HEAD IN DUCT		FSD	FIRE SMOKE DAMPER AND ACCESS DOOR	SWEH	SIDE WALL ELECTRIC HEATER	
	VOLUME DAMPER		FC	FLEXIBLE CONNECTION	TX	TOILET EXHAUST	
— <u> </u>			FOD	FLAT OVAL DUCT	TW	THERMOMETER WELL	
			FOS&R	FUEL OIL SUPPLY AND RETURN	TD	TRANSFER DUCT	
R	SLOPING RISE IN DUCTWORK		GPM	GALLONS PER MINUTE	то	TRANSFER OPENING	
· · · · ·	FUSIBLE LINK FIRE DAMPER WITH ACCESS DOOR. COORRDINATE		GW	GLYCOL WATER	TG	TOP GRILLE	
FD	WITH GENERAL CONTRACTOR TO PROVIDE ACCESS DOORS IN INACCESSIBLE LOCATIONS		GX	GENERAL EXHAUST	TR	TOP REGISTER	
		RETURN OPENING ABOVE H.C.	НС	HEATING COIL	TRG	TRANSFER GRILLE	
	MOTORIZED DAMPER	(1 SQ. FT. UNLESS OTHERWISE NOTED)	HV	HEATING AND VENTILATING UNIT	TRR	TRANSFER REGISTER	
— L —	LOUVER DOOR	FCU FAN COIL UNIT	HWR	HOT WATER RETURN	TN	TOP NECK	
— U —	UNDERCUT DOOR		HWS	HOT WATER SUPPLY	UH	UNIT HEATER	
CB-A	CHILLED BEAM - 2x"A" "A" DENOTES LENGTH	FAN COIL UNIT WITH SOUND TRAP	KE	KILN EXHAUST	VAV	VARIABLE AIR VOLUME	
	CHILLED BEAM - 2x2 4-WAY		КХ	KITCHEN EXHAUST	WMS	WIRE MESH SCREEN	

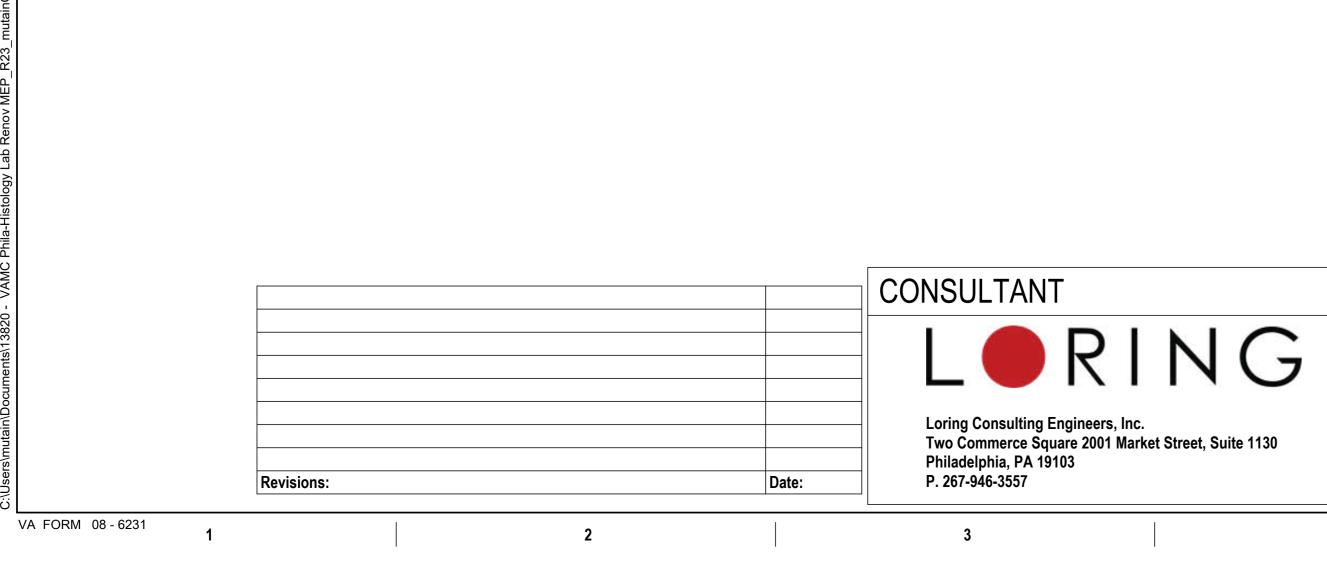
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ARCHITECT/ENGINEER OF RECORD

THINKFORM DESIGN ARCHITECT LLC 38 EAST BROAD STREET HOPEWELL, NJ 08525 T:855.821.0274 F:609.644.4397

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Russell DiNardo, AIA NY 031521-1



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	MECHANIC	CAL PIPING SYM	BOLLIST
-1	THERMOMETER		PUMP
		CHWS	CHILLED WATER SUPPLY AND RETURN.
S/R	HOT WATER SUPPLY OR RETURN RISER	— CHWR —	-"G" DENOTES PROPYLENE GLYCOL.
		—— HWS ——	HOT WATER SUPPLY AND RETURN.
	RISER NUMBER	HWR	-"G" DENOTES PROPYLENE GLYCOL.
	STRAINER 'Y' TYPE WITH BLOWDOWN VALVE	-	COMBINATION BALANCING & SHUT-OFF VALVE
+0	PIPE UP		SHUT-OFF VALVE
	PIPE DOWN		SHUT-OFF VALVE WITH CAPPED DRAIN FITTING
	THROTTLING VALVE		AUTOMATIC TWO-WAY CONTROL VALVE
	CHECK VALVE		AUTOMATIC THREE-WAY CONTROL VALVE
	ELECTRIC CONTROL VALVE		UNION
	CONTROL VALVE STATION		ECCENTRIC REDUCER
EJ	PIPE EXPANSION JOINT	<b></b>	RELIEF VALVE
—— A ——	AIR LINE		PLUG FOR PRESSURE GAUGE & THERMOMETE CONNECTION
V	VENT LINE	Ū	THERMOMETER
TDV	TRIPLE DUTY VALVE		MANUAL AIR VENT
SD	SUCTION DIFFUSER	A	AUTOMATIC AIR VENT
	PRESSURE GAUGE		DIRT POCKET
2	PRESSURE RELIEF VALVE	<b>—</b>	ARROW INDICATES DIRECTION OF FLOW
	COLD WATER MAKE UP LINE	PD	PUMPED CONDENSATE DRAIN
	ARROW INDICATES DIRECTION OF FLOW	D	DRAIN LINE
DP	DIFFERENTIAL PRESSURE TRANSMITTER		
CVA	CHILLED BEAM CONTROL VALVE TRAIN		

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NOTE: ALL SYMBOLS AND ABBREVIATIONS MAY NOT HAVE BEEN USED FOR THIS PROJECT.

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MECHANICAL DRAWING LIST					
Sheet Number	Sheet Name				
M-001	MECHANICAL SYMBOLS, NOTES, AND ABBREVIATIONS				
M-101	MECHANICAL THIRD FLOOR DEMOLITION & NEW WORK PLANS				

Office of Construction and Facilities	Drawing Title MECHANICAL SYMBOLS, NOTES AND ABBREVIATIONS	5, CONSTRUCT DRAWINGS	FION Project Title 23024 Blo	Project Title 23024 Blood Lab Grossing Station		
Management	Approved:		Location 3900 WOODLA	AND AVE PHILADELPHIA PA 19104	Drawing	
<b>VA</b> U.S. Department of Veterans Affairs			Issue Date 08/01/24	Checked Drawn RC MU	M	
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	Project Number
ssing Station	642.22.135
	Building Number
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PHIA PA 19104	Drawing Number
ed Drawn	M-001.00
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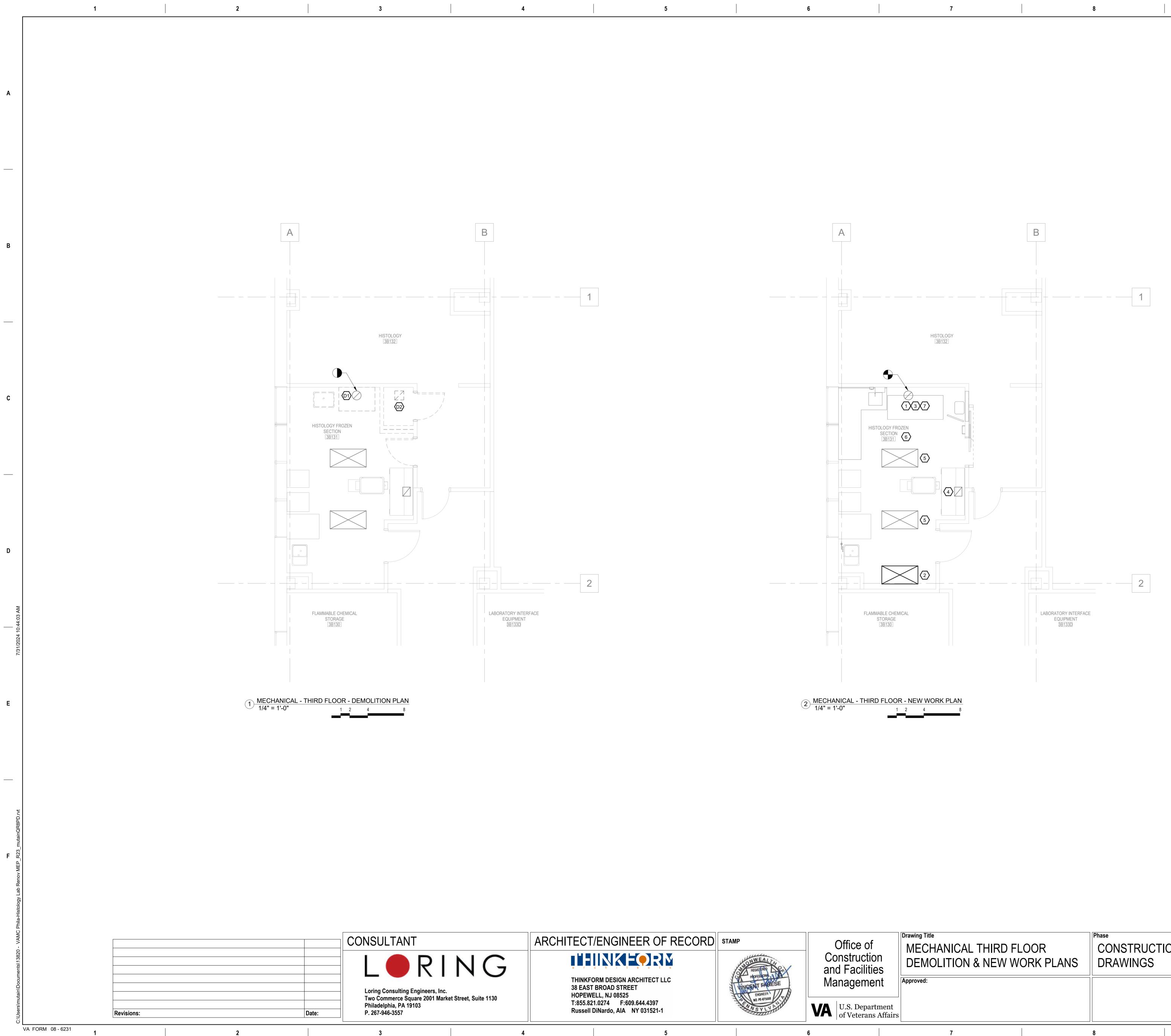
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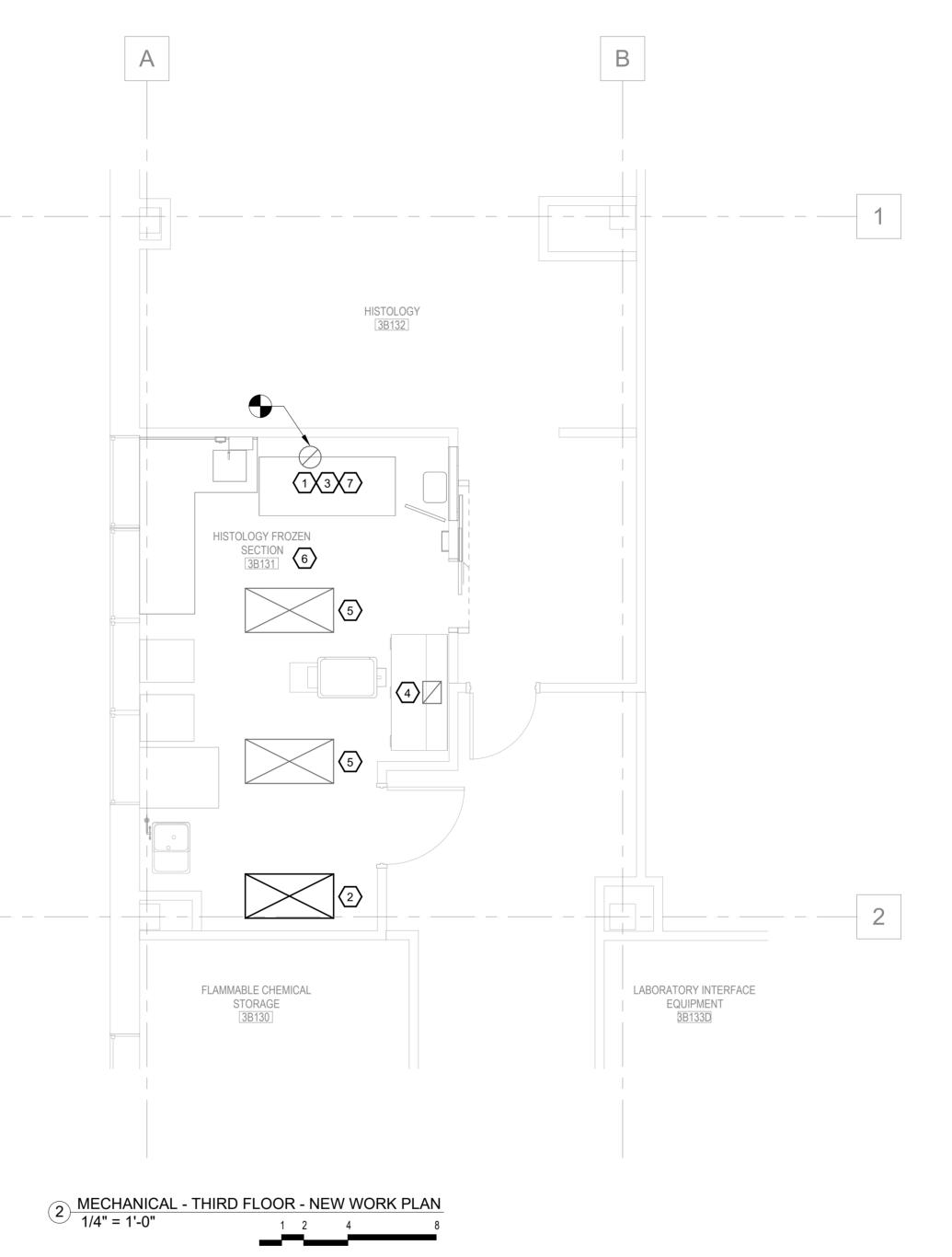
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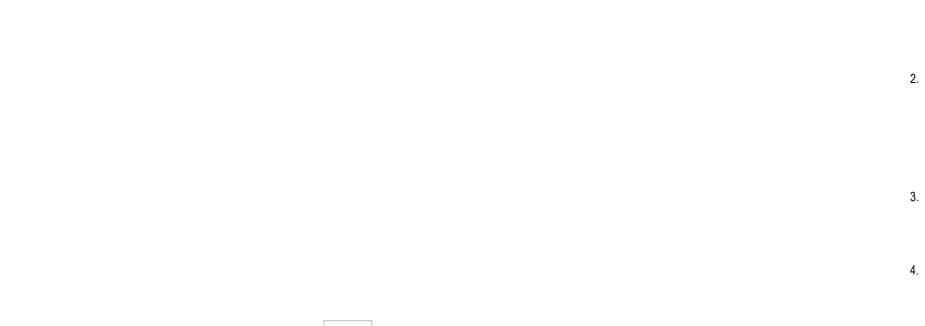
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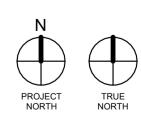








Project Title CONSTRUCTION 23024 Blood Lab Grossing Station Location 3900 WOODLAND AVE PHILADELPHIA PA 19104 Issue Date Checked RC 08/01/24



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ACCESSIBILITY AT TIME OF FIELD SURVEY. WHERE CONDITIONS COULD DOCUMENTS AVAILABLE AT THE TIME THE DRAWING WAS PREPARED. THE MECHANICAL CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS MATERIALS. SHOULD ANY SYSTEMS AND/OR UTILITIES BE DISCOVERED THAT ARE NOT AS SHOWN ON THESE PLANS, THE MECHANICAL CONTRACTOR SHALL REPORT ANY DISCREPANCIES BETWEEN THE CONTRACT DRAWINGS AND ACTUAL FIELD CONDITIONS TO THE ENGINEER AND OWNER BEFORE PROCEEDING WITH WORK.

THE DEMOLITION PLAN IS INTENDED TO CONVEY THE GENERAL EXTENT OF DEMOLITION REQUIRED AND MAY NOT INDICATE ALL DEVICES, REMOVALS, RECONNECTIONS, OR ADDITIONAL WORK REQUIRED. COORDINATE WITH GENERAL CONTRACTOR TO PATCH REMAINING UN-USED WALL, CEILING, AND FLOOR PENETRATIONS AFTER DEMOLITION TO MATCH EXISTING CONSTRUCTION. WHERE APPLICABLE, FIRE RESISTANCE RATINGS SHALL BE MAINTAINED.

ROUTE ALL NEW DUCTWORK IN A MANNER THAT PERMITS ACCESS TO ALL NEW AND EXISTING EQUIPMENT, DEVICES, DAMPERS, VALVES, PANELS, JUNCTION BOXES, AND OTHER APPURTENANCES REQUIRING ACCESS OR INSPECTION. COORDINATE WITH ALL OTHER TRADES.

COORDINATE FINAL LOCATIONS OF GRILLES, REGISTERS, AND DIFFUSERS WITH ALL OTHER TRADES, INCLUDING CEILING GRID, LIGHTING, AND SPRINKLER LAYOUTS. GRILLES, REGISTERS, AND DIFFUSERS SHALL BE ARRANGED IN PATTERNS WHERE POSSIBLE. NOTIFY ENGINEER OF SIGNIFICANT CHANGES IN GRILLES, REGISTERS, AND DIFFUSERS LOCATIONS PRIOR TO INSTALLATION.

LOCATE DIFFUSERS IN LABORATORY CEILINGS SUCH THAT A 4'-0" HORIZONTAL CLEARANCE IS MAINTAINED FROM THE CLOSEST EDGE OF DIFFUSERS TO NEARBY GROSSING STATION AND BIOSAFETY CABINET. REFER TO ARCHITECTURAL DRAWINGS FOR LABORATORY EQUIPMENT

PROVIDE TEMPORARY REPLACEMENT OF CEILING AT THE END OF EACH SHIFT FOR WORK AREAS OUTSIDE OF A RATED CONSTRUCTION BARRIER. IF THE CEILING CANNOT BE TEMPORARILY REPLACED, THE SPRINKLER SERVICE MAY BE CONSIDERED OUT OF SERVICE IN THESE AREAS AND 1-HOUR FIRE RATED SEPARATION WILL BE REQUIRED BETWEEN THE CONSTRUCTION AREA AND THE OCCUPIED PORTIONS OF

### **DEMOLITION KEYED NOTES:**

LAYOUT.

THE BUILDING.

 $\langle D2 \rangle$ 

 $\langle 2 \rangle$ 

 $\langle 3 \rangle$ 

 $\langle 4 \rangle$ 

 $\langle 5 \rangle$ 

 $\langle 6 \rangle$ 

 $\langle 7 \rangle$ 

STATION TO 710 CFM.

REMOVE EXISTING 14Ø EXHAUST DUCTWORK FROM FUME HOOD UP TO CEILING AND PREPARE FOR RECONNECTION.

REMOVE EXISTING EXHAUST GRILLE. REMOVE ASSOCIATED EXISING EXHAUST DUCTWORK BACK TO MAIN AND CAP. PRIOR TO REMOVAL, MEASURE PRE-CONSTRUCTION AIRFLOWS OF ALL EXISTING EXHAUST GRILLES ON SAME ZONE AS GRILLE AND DUCTWORK BEING REMOVED. REBALANCE THE EXISTING EXHAUST GRILLES ON SAME ZONE TO PRE-CONSTRUCTION AIRFLOWS AFTER DEMOLITION IS COMPLETE.

### NEW WORK KEYED NOTES:

PROVIDE CONNECTION FROM EXISTING 14Ø EXHAUST DUCTWORK TO NEW GROSSING STATION CONNECTIONS IN BACK OF UNIT PER MANUFACTURER'S RECOMMENDATIONS. UTILIZE THE FLEXIBLE DUCTS INCLUDED WITH THE GROSSING STATION TO FACILITATE THE CONNECTION TO EACH LOCATION. PROVIDE Y-FITTING TO ACCOMODATE CONNECTION FROM EXISTING 14Ø EXHAUST DUCTWORK TO THE FLEXIBLE DUCTS, BASIS OF DESIGN: GROSSING STATION MANUFACTURER CONVEYOR KIT OPTIONAL ACCESSORY (MILESTONE PART CODE 109254) OR EQUIVALENT FITTING. COORDINATE REQUIREMENTS WITH GROSSING STATION MANUFACTURER.

> PROVIDE NEW SUPPLY AIR DEVICE. MATCH MAKE, MODEL, FINISHES, AND SIZE OF EXISTING SUPPLY AIR DEVICES. IF EXISTING SUPPLY AIR DEVICES HAVE HEPA FILTER, PROVIDE HEPA FILTER FOR NEW SUPPLY AIR DEVICE. MAINTAIN MINIMUM 6" DISTANCE FROM WALL AND EXISTING SPRINKLER HEAD. PROVIDE DUCTWORK MODIFICATIONS AS REQUIRED TO FACILITATE NEW CONNECTION. NEW SUPPLY AIR DEVICE SHALL BE SERVED BY THE SAME EXISTING SUPPLY AIR VALVE AS THE OTHER TWO EXISTING SUPPLY AIR DEVICES. PROVIDE VOLUME DAMPER FOR BALANCING. BALANCE TO 425 CFM.

TEMPORARILY REMOVE, CLEAN, AND REINSTALL ASSOCIATED EXHAUST AIR VALVE PRIOR TO INSTALLATION OF GROSSING STATION. BALANCE GROSSING

REBALANCE EXISTING BIOSAFETY CABINET TO 705 CFM.

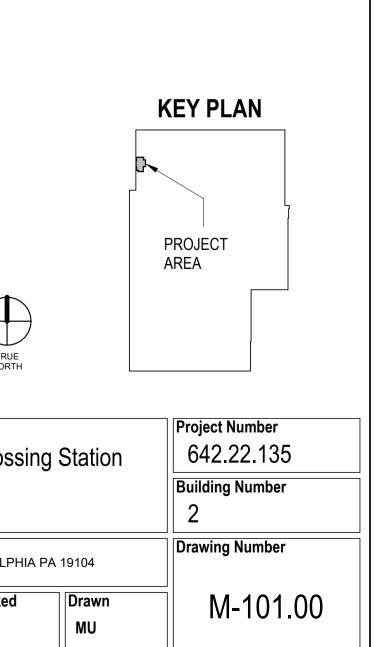
REBALANCE EXISTING SUPPLY AIR DEVICE TO 430 CFM.

BALANCE EXISTING ASSOCIATED CENTRAL AIR SYSTEMS TO PROVIDE THE SUPPLY AND EXHAUST AIRFLOWS AS CALLED OUT.

CONTRACTOR SHALL, IF APPLICABLE, UPDATE CONTROL GRAPHICS IN BAS FOR REMOVED FUME HOOD TO NOW SHOW AND CALL OUT NEW GROSSING STATION AND CONFIRM THE EXISTING CONTROLS LOGIC FOR EXISTING SUPPLY AIR VALVE TO PROVIDE, IF NOT PRESENT: VALVE SHALL MODULATE TO MAINTAIN NEGATIVE ROOM PRESSURIZATION.

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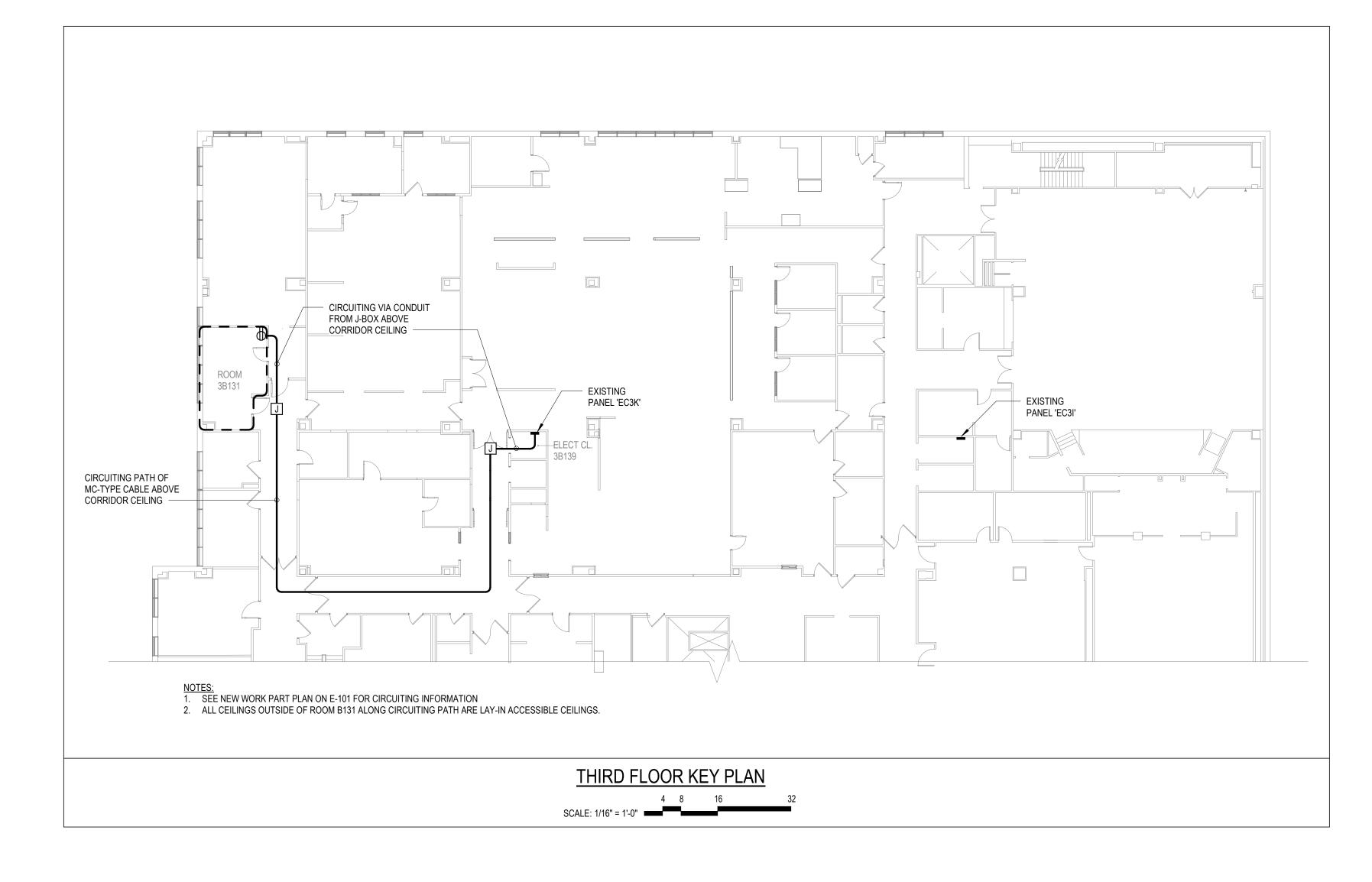
1. NOTES AND GRAPHIC REPRESENTATIONS SHALL NOT LIMIT THE EXTENT OF DEMOLITION REQUIRED. CONTRACTOR SHALL VISIT THE SITE, CAREFULLY EXAMINE EXISTING CONDITIONS AND SHALL PERFORM ALL DEMOLITION REQUIRED TO ACHIEVE THE FINAL DESIGN INTENT AS REQUIRED BY THE CONTRACT DOCUMENTS. EXTENT OF ALL DEMOLITION WORK SHALL BE COORDINATED WITH THE ARCHITECT AND CONSTRUCTION MANAGER.

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- 2. EQUIPMENT AND WIRING TO BE REMOVED SHALL BE DE-ENERGIZED PRIOR TO ANY DEMOLITION WORK.
- 3. WHERE SPECIFIC DEVICES ARE INDICATED: 'EX' - DENOTES EXISTING TO REMAIN. 'ER' - DENOTES EXISTING TO BE REMOVED.
- 'RR' EXISTING TO BE REMOVED AND RELOCATED. 'R' - RELOCATED EXISTING.
- 4. IN PROCESS OF REMOVING WIRING DEVICES, LIGHTING FIXTURES AND OTHER ELECTRICAL EQUIPMENT AND MATERIALS, THIS CONTRACTOR SHALL EXERCISE EXTREME CAUTION TO PREVENT DAMAGE TO THE ARCHITECTURAL SURFACES AND MATERIALS WHICH ARE TO REMAIN, INCLUDING WALLS, FLOORS, CEILINGS, WINDOWS, DOORS, MOLDINGS, STRUCTURAL MEMBERS, ETC. THE COST TO REPAIR OR ANY MATERIAL DEEMED BY THE ARCHITECT TO HAVE BEEN UNDULY DAMAGED BY THIS CONTRACTOR DURING DEMOLITION OR CONSTRUCTION SHALL BE PAID BY THIS CONTRACTOR AT THIS ADDITIONAL COST TO THE OWNER.
- 5. ALL WORK SHALL BE PROPERLY IDENTIFIED AFTER DEMOLITION.
- 6. PROVIDE BLANK PLATES AT ALL OPEN BOXES WHERE DEVICES ARE REMOVED AND SURFACE IS NOT SCHEDULED TO BE PATCHED AND RE-FINISHED.
- 7. COORDINATE WITH ARCHITECT AND CONSTRUCTION MANAGER WHICH FIXTURES, DEVICES AND EQUIPMENT, IF ANY, ARE TO BE REMOVED, KEPT INTACT AND RETURNED TO THE OWNER. IN GENERAL, ALL DEVICES, WIRING, RACEWAYS, BOXES, SUPPORTS AND OTHER EQUIPMENT WHICH ARE TO BE REMOVED FROM SITE SHALL BE PROPERLY DISPOSED OF.
- 8. EQUIPMENT, DEVICES, AND FIXTURES INDICATED TO BE REMOVED SHALL BE TAKEN FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE LAWS AND ENVIRONMENTAL REGULATIONS. EQUIPMENT REQUIRED TO BE TURNED OVER TO THE OWNER SHALL BE PLACED IN A MUTUALLY ACCEPTABLE LOCATION.

**GENERAL NOTES:** 

- 1. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL ELECTRICAL REQUIREMENTS.
- 2. ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE, REV DRAWINGS AND BE RESPONSIBLE FOR REVIEWING A FULL TO MAKE HIMSELF AWARE OF THE TOTAL JOB BEFORE SU
- 3. VERIFY ALL EXISTING SITE CONDITIONS IN THE FIELD AND INCLUDE IN THE BID, THE PRICE OF ALL WORK REQUIRED.
- 4. ALL WORK SHALL BE INSTALLED CONCEALED UNLESS OTH
- 5. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS OF FINIS PRIOR TO FABRICATION AND INSTALLATION OF FIXTURES A
- 6. ELECTRICAL CONTRACTOR SHALL SUBMIT SAMPLES OF F TO THE ARCHITECT FOR APPROVAL BEFORE MAKING HIS
- 7. WIRING IN AIR PLENUM HUNG CEILINGS INSTALLED WITHOUT CONDUIT OR EMT SHALL BE TEFLON JACKETED AND PLENUM RATED.
- 8. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF EQUIPMENT TO BE INSTALLED BY OTHER TRADES BEFORE STARTING CONDUIT WORK.
- 9. CONTRACTOR SHALL FURNISH, INSTALL AND CONNECT ALL RACEWAYS AND WIRING FROM EQUIPMENT AND DEVICES TO THEIR SOURCE OF POWER.
- 10. CONTRACTOR SHALL, AFTER HIS WORK IS COMPLETED, TEST THE ELECTRICAL DISTRIBUTION SYSTEM FOR SHORT CIRCUITS, LOOSE WIRING, ETC., TO THE SATISFACTION OF THE OWNER. ALL COSTS FOR THIS TEST SHALL BE BORNE BY THE CONTRACTOR.
- 11. FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL ELECTRICAL OUTLETS, SWITCHES AND LIGHTING FIXTURES SEE ARCHITECTURAL FLOOR PLANS, DETAILS AND ELEVATIONS.
- 12. MOUNTING HEIGHTS OF EQUIPMENT AND DEVICES SHALL BE AS INDICATED ON THE ARCHITECTURAL DRAWINGS. WHERE MOUNTING HEIGHTS ARE NOT GIVEN ON THE ARCHITECTURAL DRAWINGS, UTILIZE THE FOLLOWING MOUNTING HEIGHTS UNLESS OTHERWISE NOTED (ALL DIMENSIONS TO CENTERLINE OF BOX):
- A. RECEPTACLES (WALL MOUNTED) 18" A.F.F. B. TELEPHONE/DATA OUTLETS - SAME AS RECEPTACLES.
- C. WALL MOUNTED TELEPHONES 44" A.F.F. D. LIGHTING SWITCHES AND CONTROLS - 48" A.F.F. TO TOP OF HANDLE.
- E. MANUAL FIRE ALARM STATIONS 48" A.F.F. TO TOP. F. FIRE ALARM HORN AND STROBE UNITS - 80" A.F.F. OR 6" BELOW THE CEILING.
- G. CARD READERS 48" A.F.F. TO TOP H. PANELBOARDS AND CABINETS - 78" TO TOP OF ENCLOSURE.
- 13. MINIMUM RACEWAY SIZE SHALL BE 3/4" AND SHALL BE RUN PARALLEL TO BUILDING STRUCTURAL LINES. RACEWAYS SHALL NOT BE RUN HORIZONTALLY BELOW 8'-0" IN PARTITIONS. ALL EMPTY RACEWAYS SHALL BE FURNISHED WITH A 200 LB. TEST NYLON DRAG LINE.
- 14. WIRE SIZES SHALL BE INCREASED TO COMPENSATE FOR VOLTAGE DROP AS FOLLOWS: A. FOR 120V, 20A CIRCUITS LONGER THAN 75' SHALL UTILIZE MIN. #10 AWG. B. FOR 277V, 20A CIRCUITS LONGER THAN 200' SHALL UTILIZE MIN #10 AWG.





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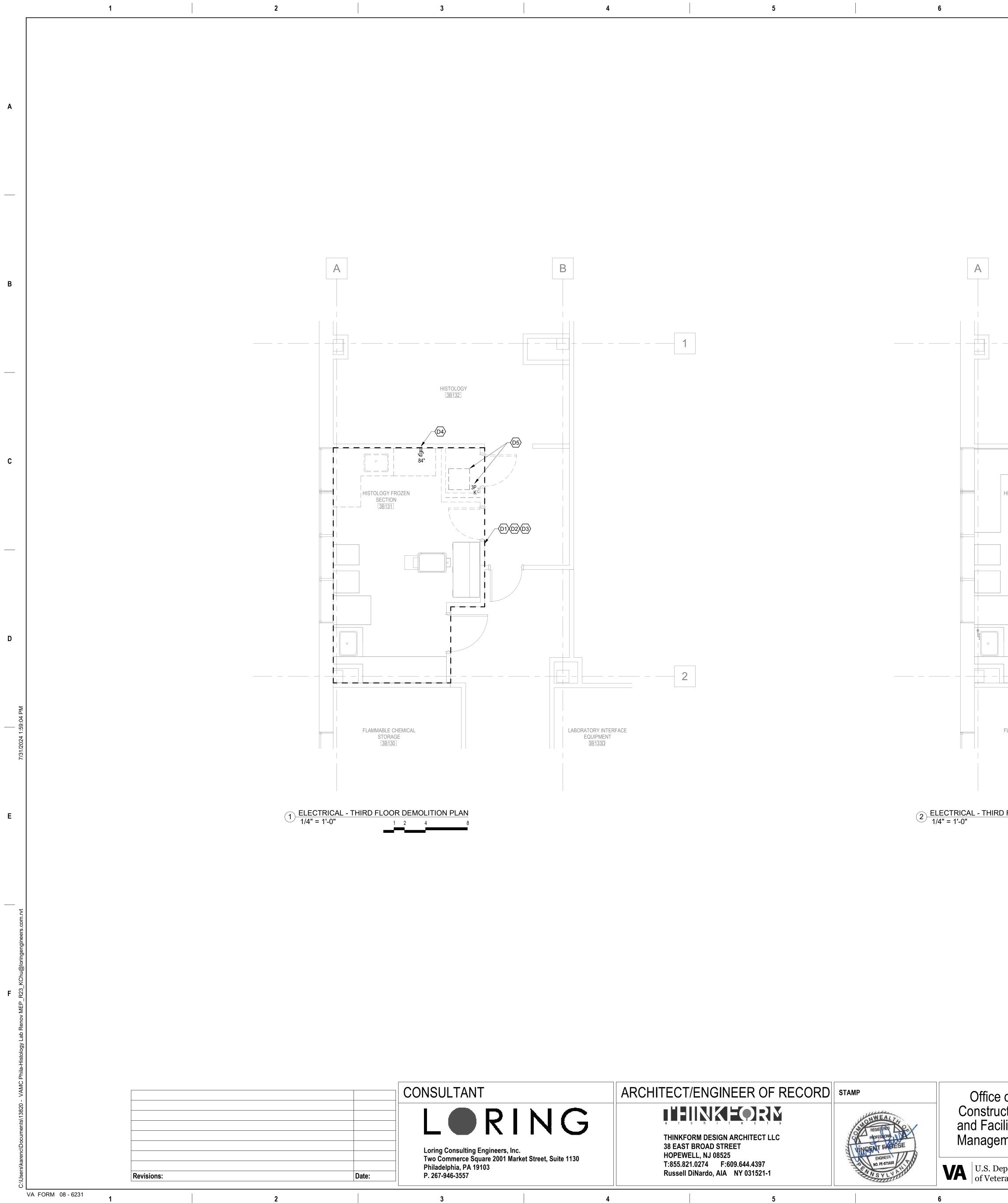
	ELECTRICAL	S١
	DUPLEX RECEPTACLE, 20A, 125V, 2P, 3W (GROUNDED), NEMA CONFIG. 5-20R: '2' - DENOTES CIRCUIT NUMBER 'GFI' - DENOTES GROUND FAULT INTERRUPTER 'a' - DENOTES GROUND FAULT INTERRUPTER 'a' - DENOTES SWITCH CONTROL 'CH' - DENOTES ABOVE COUNTER HEIGHT 'WC' - DENOTES WATER COOLER '+' - DENOTES ABOVE COUNTER	
-	DOUBLE DUPLEX RECEPTACLE IN 2 GANG BOX, 20A, 125V, 2P, 3W (GROUNDED), NEMA CONFIG. 5-20R	-
÷	SINGLE RECEPTACLE, 20A, 125V, 2P, 3W (GROUNDED) NEMA CONFIG. 5-20R	
V	WALL MOUNTED COMBINATION DATA/TELEPHONE OUTLET: 1-GANG COVER WITH REDUCING PLATE, 4-11/16" SQ. x 2-1/8"D BOX WITH DEDICATED 1"C STUBBED TO ABOVE ACCESSIBLE CEILING WITH BUSHINGS	
HHG -	CONDUIT RUN CONCEALED: - TICK MARKS INDICATE NUMBER OF WIRES CONTAINED IN CONDUIT - TICK WITH 'G' INDICATES SEPARATE INSULATED GROUND WIRE (PROVIDE IN ALL CONDUITS WHETHER SHOWN OR NOT.)	
LP-3A #1,3,5(R)	CIRCUIT HOMERUN TO PANELBOARD AND CIRCUITS INDICATED - ARROWS DENOTE NUMBER OF CIRCUITS	
	CEILING, WALL MOUNTED JUNCTION BOX - TAIL DENOTES CONNECTION TO EQUIPMENT AS REQUIRED	-
	PANELBOARD (FLUSH TRIM)	
	PANELBOARD (SURFACE TRIM)	
	DISTRIBUTION PANELBOARD	
	PANEL OR CABINET, TYPE AS NOTED	

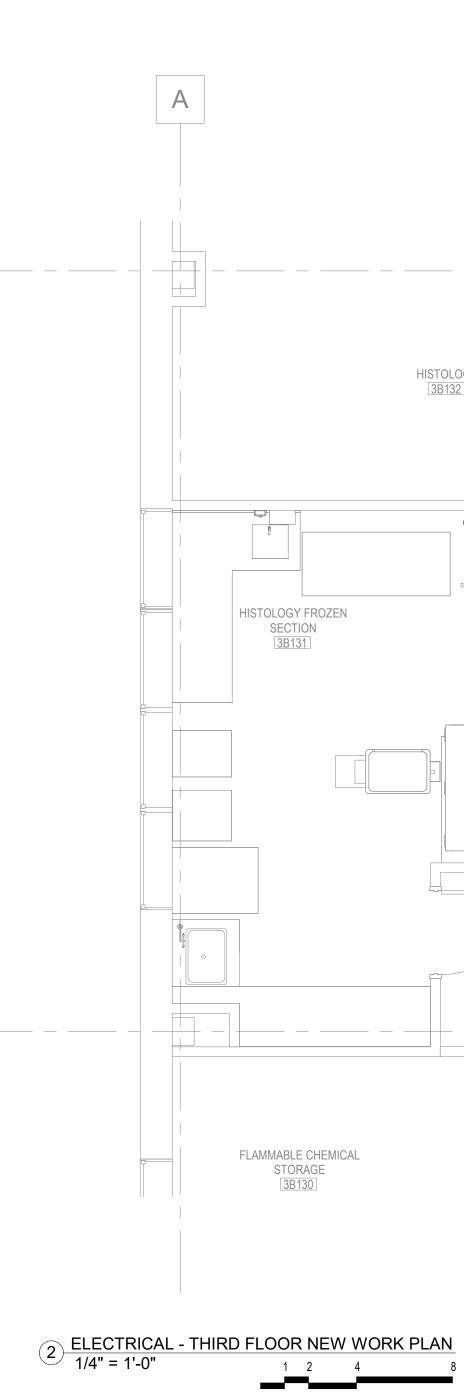
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A.KMP         AMEMORY (SMM) (MI)           AF         AME CONDUCTIONS (MII)           C         ELECTRONAL           R         REGENERNONE FAREL           R         REGENERNEL           R	(OS)	OCCUPANCY SENSOR WITH	I RELAY PACK F	OR CIRCUITNG		
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ELEC       ELECTRICAL         FF       FRAM         FAMM       ELECTRICAVISIT LIGHT         FR       ENERGREY/WART LIGHT         FA       FIRE ALATM         FR       CAROUND ALIT INTERPUTER         HI*       HORSE FORCE         NA       RUD VOLT-AMPERE         LU       LEAK DETECTOR         LU       LEAK DETECTOR         LU       LEAK DETECTOR         LU       LEAK DETECTOR         LU       R         R       RELECTRICAL DRAWING LIST         Sheel Number       Sheel Name         E       Sheel Number         Sheel Number       Sheel Name         E 401       ELECTRICAL SYMBOL UST, NOTES, AND ABBREVIATIONS         E 401       ELECTRICAL SYMBOL UST, NOTES, AND ABBREVIATIONS						
EMANL       EMERCERCYNICH LICHT         FR       ENSTING TO BE REMOVED         EMH       ELECTRIC MATER REATER         FA       FRE ALARM         FRW/V       FAN FORCERD VAY BOX         G. GRD       GROUND         CH       GROUND FAULT INTERRUPTER         HP       HORSE FOWER         VXA       KILO VOLTAMERE         LU       LEAKOETECTOR         1173       LIGHTING         MTO       MOUNTED         P       POLE(6)         PP       POWER PAREL         R       RELOCATED ENSTING         RR       RELOCATED ENSTING         Statistication       RE         DON       UNATI						
ER     ENSING TO BE REMOVED       EWH     FILECTRIC WATTR HEATER       FA     FIRE ALARM       FPVAV     FAN POWERED VAV BOX       C. GAD     GROUND FAULT INTERRUPTER       IP     HORSE FORTR       KVA     KILO YOLTAMPERE       LD     LEAK DETECTOR       LTC     LIGHTING       MID     MOUNTED       P     POURS PAMEI       R     RELOCATED EXISTING       RR     PREVENTED TO REIMOVED AND RELOCATED       RR     RELOCATED EXISTING       RR     PREVENTED TO REIMOVED AND RELOCATED       RR     RELOCATED EXISTING       RR     PREVENTED TO REIMOVED AND RELOCATED       RR     RELECTRICAL DRAWING LIST       WP     WEATHERPROOF	EF	EXHAUST FAN				
EVH     FLECTRIC WATTER HEATER       FA     FIRE ALMM       HYXAV     FAN POWERD VAV BOX       G, GRO     GROUND FAULT INTERRUPTER       HP     HORSE POWER       KVA     KLO VOLTAMERE       1.0     LEAK DETECTOR       LTG     LIGHTING       MTD     MOUNTED       P     POLESS       P     POLESS       P     POLESS       R     RELCCATED EXSTING       RK     EXSTING TO BE REMOVED AND RELCOATED       RECEP     RECEPLACLE       SW.     SWITCH       TYP.     TYPICAL       UON     UNLESS OTHERWISE NOTED       V     VOITSI       W     WEATHERPROOF   E E E E E E E E E E E E E E E E E E E						
FINAL     FAN POWERED VAV BOX       G. CAD     GROUND PAULT INTERRUPTER       IP     HORSE POWER       KVA     KLD VOLTANFERE       LD     LEAK DETECTOR       LTG     LOHTING       MTD     MOUNTED       PP     POWER PANE       R     RELECTED EXISTING       RR     ENSITING TO BE REMOVED AND RELOCATED       RECEP     RECEPTACLE       SW     SWITCH       TYPE     TYPECAL       UON     UNLESS OTHERWISE NOTED       V     VOLT(S)       W     WATT(S) / WIRE       WP     WEATHER PROCE   F          E-001     ELECTRICAL DRAWING LIST       Sheet Number     Sheet Name       E-001     ELECTRICAL SYMBOL LIST, NOTES, AND ABBREVIATIONS       E-101     ELECTRICAL THIRD FLOOR DEMOLITION & NEW WORK PLANS   F       Project Title     2024 Blood Lab Grossing Station       S00200LAND AVE PHILADELPHIA PA 19104     Drawing Number       2     2       Location     Stote Motocland AVE PHILADELPHIA PA 19104		ELECTRIC WATER HEATER	8			
G. GRD     GROUND FAULT INTERRUPTER       GR     GROUND FAULT INTERRUPTER       HP     HORSE POWER       KVA     KLLO VOLTANDERE       LD     LEAK ONTROTOR       LTC     LUGHTMA       MTD     MOUNTED       P     POWER PAREL       R     RELOCATED ENSTMO       IRR     RELOCATED ENSTMO       RRCEPTRACLE     SWITCH       TYP     TYP       UON     UNLESS OTHERWISE NOTED       V     VOLTS)       W     WATT(S) / WIRE       WP     WEATHERMHOOF						
IPP     HORSE POWER       KXA     KLD VOLTAMPERE       LD     LEAK DETECTOR       LTG     LIGHTING       MTD     MOUNTED       P     POUERISH       R     RELOCATED EXISTING       RR     EXISTING TO BE REMOVED AND RELOCATED       RCCPP     PEOLERIST       RCCPP     RECOMPTACLE       SW     SWITCH       TYP.     TYPECAL       UON     UNLESS OTHERWISE NOTED       V     VOLTIS)       W     WAT(R) / WIRE       WP     WEATHERPROOF						
KVA       KLD VOLT-RAPERE         LD       LEAK DETECTOR         LTG       LIGHTING         MTD       MOUNTED         P       POLE(S)         PP       POLE(S)         R       RELOCATED ENISTING         RR       EXENTING TO BE REINGVED AND RELOCATED         RCCP       RECEPTACLE         SWICH       TYP.         TYP.       TYPICAL         UON       UNLESS OTHERWISE NOTED         V       VOLT(S)         W       WATT(S)/WIRE         WP       WEATHERPROOF	GFI		PTER			
LTG       LUGHTING         MTD       MOUNTED         P       POLE(S)         PP       POWER PAREL         R       RECOLATED ENSTING         RR       EXISTING TO BE REMOVED AND RELOCATED         RECEP       RECEPTACLE         SW       SWITCH         TVP.       TYPICAL         UON       UNLESS OTHERWISE NOTED         V       VOLT(S)         W       WATHERPROOF             Sheet Number       Sheet Name         E-001       ELECTRICAL DRAWING LIST         Sheet Number       Sheet Name         E-101       ELECTRICAL SYMBOL LIST, NOTES, AND ABBREVIATIONS         E-101       ELECTRICAL THIRD FLOOR DEMOLITION & NEW WORK PLANS             F             Project Title       23024 Blood Lab Grossing Station         Building Number       Station         Building Number       Building Number         State Date       Checked       Drawin         Building Number       E-001.00						
MTD     MOUNTED       P     POLE(S)       PP     POWER PANEL       R     RELOCATED DE REMOVED AND RELOCATED       RCCEP     RECEPTACLE       SW     SWITCH       TYP     TYPICAL       UON     UNLESS OTHERWISE NOTED       V     VOLT(S)       W     WATT(S)/WIRE       WP     WEATHERPROOF						
P       POLE(S)         PP       POWER PAREL         R       RELOCATED ENSITING         RR       EXSITING TOBERRAVEL         RECEP       RECEPTACLE         SW.       SWITCH         TYP.       TYPICAL         UON       UNLESS OTHERWISE NOTED         V       VOLT(S)         W       WATT(S)/WIRE         WP       WEATHERPROOF						D
R       RELOCATED EXISTING         RR       EXISTING TO BE REMOVED AND RELOCATED         RECEP       RECEPTACLE         SW       SWITCH         TYP       TYPICAL         UON       UNLESS OTHERWISE NOTED         V       VOLT(8)         W       WATT(5)/WIRE         WP       WEATHERPROOF         Sheet Number       Sheet Name         E-001       ELECTRICAL DRAWING LIST         Sheet Number       Sheet Name         E-001       ELECTRICAL DRAWING LIST, NOTES, AND ABBREVIATIONS         E-101       ELECTRICAL THIRD FLOOR DEMOLITION & NEW WORK PLANS         F       23024 Blood Lab Grossing Station         Project Title       23024 Blood Lab Grossing Station         Settion       Batting Number         23024 Blood Lab AVE PHILADELIPHIA PA 19104       Drawing Number         Building Number       2         Building Number       2         Building Number       E-001.00						
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YMBOL		
A 2	'A' - DENOTES FIXTURE TYPE	
	'2' - DENOTES CIRCUIT NUMBER 'a' - DENOTES SWITCH CONTROL 'EM' - DENOTES EMERGENCY	
$\square$	'EMB'- DENOTES EMERGENCY BATTERY BALLAST 'NL' - DENOTES NIGHT LIGHT (UNSWITCHED) 'SW' - DENOTES SWITCHED	Α
	HALF SHADE INDICATES FIXTURE WITH EMERGENCY	
	CIRCUTING. WALL OUTLET BOX AND LIGHT FIXTURE	
<b>.</b> .	CEILING, WALL OUTLET BOX AND EXIT LIGHT:	
	<ul> <li>DIRECTIONAL ARROWS AS INDICATED</li> <li>SHADED AREA DENOTES FACE(S) UPON WHICH 'EXIT' APPEARS</li> </ul>	
	EMERGENCY LIGHTING BATTERY UNIT WITH SEALED BEAM HEADS CONNECTED TO UNSWITCHED LEG OF LOCAL LIGHTING CIRCUIT.	
	CEILING, WALL MOUNTED REMOTE EMERGENCY LIGHT	
HOS OS <sup>2</sup>	WALL, CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR PROVIDE POWER / RELAY PACK(S), LOW VOLTAGE WIRING	
	AND MOMENTARY CONTACT ON/OFF SWITCH(ES) AS REQUIRED FOR SWITCHING INDICATED. MATCH EXISTING SENSORS IN BUILDING.	
$S_3^{a}$	CONTROL SWITCH: 'a' - DENOTES SWITCH CONTROL '3' - DENOTES 3-WAY SWITCH	_
	<ul><li>'4' - DENOTES 4-WAY SWITCH</li><li>'VC' - DENOTES AUTOMATIC VACANCY SENSOR SWITCH</li></ul>	В
	'MC' - LOW VOLTAGE MOMENTARY CONTACT SWITCH 'D' - LOW VOLTAGE DIMMING SWITCH	
$\langle OS \rangle$	OCCUPANCY SENSOR WITH RELAY PACK FOR CIRCUITNG	
	ABBREVIATIONS	
A, AMP	AMPERE(S)	
AC		
AFF C	ABOVE FINISHED FLOOR CONDUIT	
CB CP	CIRCUIT BREAKER CONDENSATE PUMP	
CP CR	CARD READER	
CU DISC.	CONDENSER UNIT	
DISC. EX, EXIST.	DISCONNECT EXISTING	С
EC		
ELEC. EF	ELECTRICAL EXHAUST FAN	
EM/NL	EMERGENCY/NIGHT LIGHT	
ER	EXISTING TO BE REMOVED ELECTRIC WATER HEATER	
FA	FIRE ALARM	
FPVAV G, GRD	FAN POWERED VAV BOX GROUND	
G, GRD	GROUND FAULT INTERRUPTER	
HP KVA	HORSE POWER KILO VOLT-AMPERE	
LD	LEAK DETECTOR	
LTG		D
MTD P	MOUNTED       POLE(S)	
PP	POWER PANEL	
R RR	RELOCATED EXISTING         EXISTING TO BE REMOVED AND RELOCATED	
RECEP	RECEPTACLE	
SW. TYP.	SWITCH       TYPICAL	
UON	UNLESS OTHERWISE NOTED	
V	VOLT(S)	
W	WATT(S) / WIRE WEATHERPROOF	
	WEATHER ROOT	
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E-001 E-101	ELECTRICAL SYMBOL LIST, NOTES, AND ABBREVIATIONS ELECTRICAL THIRD FLOOR DEMOLITION & NEW WORK PLANS	
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	23024 Blood Lab Grossing Station 642.22.135	
	Building Number	
	Location Drawing Number	
	3900 WOODLAND AVE PHILADELPHIA PA 19104	
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of ction lities	Drawing Title ELECTRICAL SYMBOL LIST, NOTES, AND ABBREVIATIONS	Phase CONSTRUCTIC DRAWINGS	Project Title 23024 Blood Lab Grossing Statio		g Station
nent	Approved:		 Location 3900 WOODLAND	AVE PHILADELPHIA	PA 19104
partment ans Affairs			Issue Date 08/01/24	Checked VF	Drawn MS
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					1.	
					1.	FIELD VERIFY ALL EXISTING
						EXISTING LIGHTING FIXTUR
					\ \	THIS AREA ARE EXISTING THE EXISTING ELECTRICAL DEVI
						EXISTING TO REMAIN, U.O.N EXISTING FIRE ALARM DEVI
					D4	EXISTING TO REMAIN, U.O.N DISCONNECT AND REMOVE EXISTING FUME HOOD. REC VERIFY. REMOVE WIRING F LABEL EXISTING WIRES IN C DROVIDE PLANK COVER PLANK
					D5	PROVIDE BLANK COVER PL/ DISCONNECT AND REMOVE REMOVE EXISTING CONDUI J-BOX AND PROVIDE KNOCH
						NEW WORK KE
		B			$\langle 1 \rangle$	PROVIDE NEMA 5-20R DUPL TYPE CABLE TO EXISTING F LOCATION OF PANEL EC3K; ACCESSIBLE LAY-IN CORRIE RECEPTACLE TO J-BOX ABO ABOVE CORRDIOR CEILING EXISTING 1P-20A CB AND PF NEW RECEPTACLE. CB CHARACTERISTICS SHAI RECEPTACLE SHALL STATE
					2	PROVIDE 1" CONDUIT TERM CORRDIOR CELING.
				- 1	$\langle 3 \rangle$	OBTAIN THE SERVICES OF N IN ACCORDANCE WITH VA / WITH RJ45-TYPE CONNECTO AND CABLING ROUTED TO A THIS AREA.
HISTOLOGY FROZEN SECTION 3B131	HISTOLOGY 3B132	2#10 & #10 GRE	<u>D - 3/4"C</u>	2		
FLAMMABLE CHEMICAL STORAGE 3B130		LABORATORY INTE EQUIPMENT BB133D				

e of uction cilities	Drawing Title ELECTRICAL THIRD FL DEMOLITION & NEW W	 Phase CONSTRUCT DRAWINGS	ΓΙΟΝ	Project Title 23024 Blood Lab	) Grossi
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## OTES:

ING CIRCUITING.

### NKEYED NOTES:

URES AND ASSOCIATED LIGHTING CONTROLS WITHIN g to remain, u.o.n.

EVICES AND ASSOCIATED WIRING WITHIN THIS AREA ARE .O.N.

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EVICES AND ASSOCIATED WIRING WITHIN THIS AREA ARE .O.N.

OVE EXISTING WALL MOUNTED RECEPTACLE SERVING RECEPTACLE IS LABELD AS CIRCUIT "EC3I#7". FIELD G FROM EXISTING CIRCUIT BREAKER AND CAP AND IN OUTLET BOX AT SOURCE PANEL. FOR FUTURE USE. R PLATE AT OUTLET BOX.

OVE EXISTING LIGHT FIXTURE AND ASSOCIATED SWITCH. IDUIT AND WIRING BACK TO EXISITNG ACTIVE FIXTURE OR OCK-OUT PLUG TO CLOSE OPENING.

## **KEYED NOTES:**

JPLEX RECEPTACLE AND 2 #10 & #10 GRD IN 3/4"C / MC-IG PANEL EC3K. REFER TO E.001 FOR ROUTING AND C3K; MC-TYPE CABLE SHALL ONLY BE ROUTED ABOVE RRIDOR CEILING; PROVIDE WIRING IN CONDUIT FROM ABOVE CORRIDOR CEILING AS SHOWN AND FROM J-BOX NG OUTSIDE ELECTRIC ROOM TO PANEL EC3K. REMOVE D PROVIDE 1P-20A, GFCI-30mA CB AT EC3K#77 TO SERVE

SHALL MATCH EXISTING. CIRCUIT NUMBER LABEL AT ATE "GFI CB".

RMINATED WITH BUSHING ABOVE ACCESSIBLE, LAY-IN

OF VA TELECOM VENDOR TO PROVIDE THE FOLLOWING /A / BUILDING TELECOM STANDARDS: (1) ETHERNET DROP CTOR AND LABELED FACEPLATE AT OUTLET LOCATION O AND TERMINATED IN TELECOM CLOSET THAT SERVES

