

STATE OF MISSOURI

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ARCHITECT

Issue Date

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ACI

BOLAND

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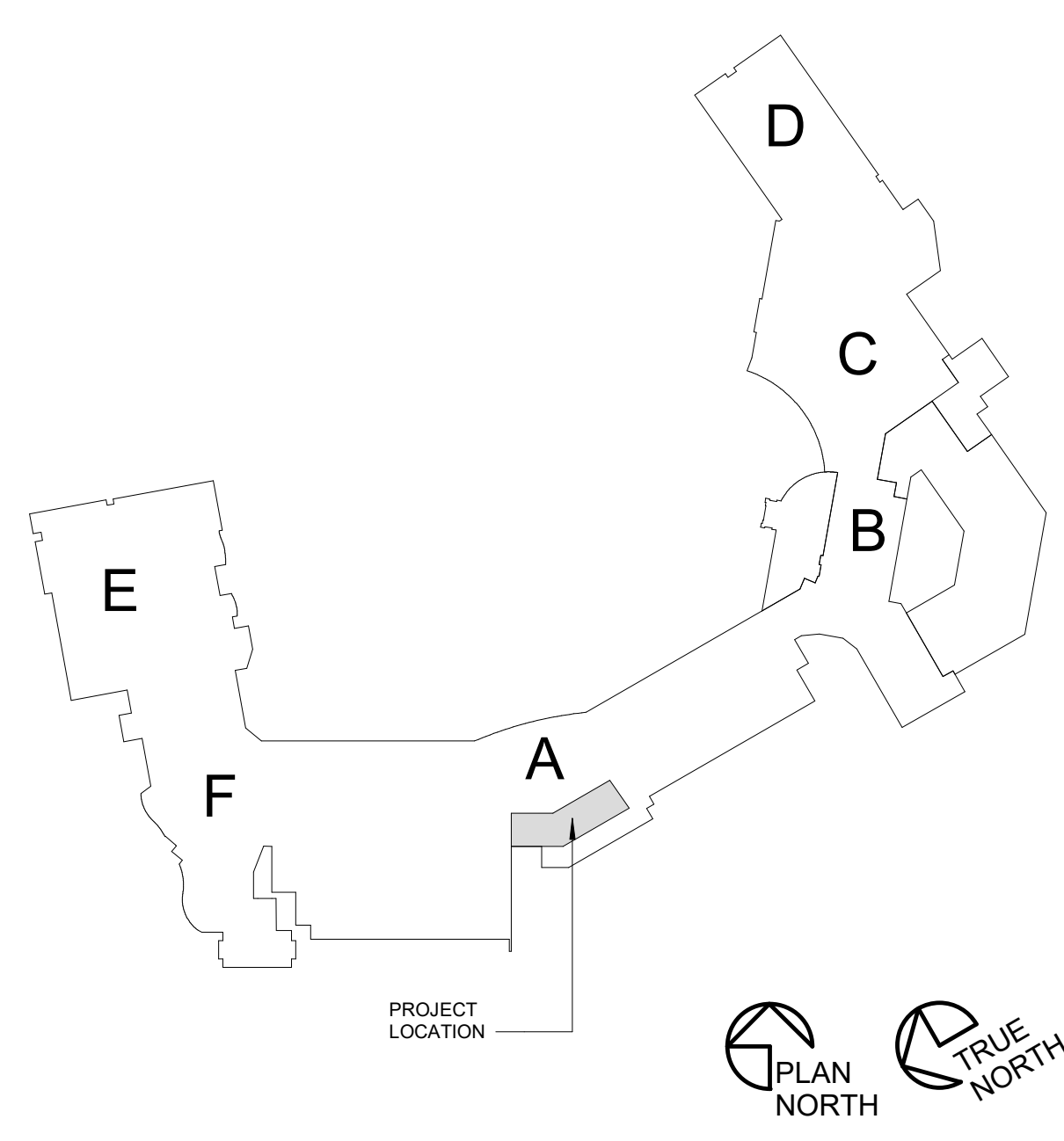
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ABBREVIATIONS

AC.	ACCUSTIC/ACOUSTICAL	FLOR.	FLUORESCENT	PTD.	PAINTED
ADD.	ADDENDUM	FTG.	FOOTING	PG.	PAGE
ADDN.	ADDITION	FND.	FOUNDATION	PLAM.	PLASTIC LAMINATE
ABC.	AGGREGATE BASE COURSE	FR.	FRAME	PR.	PAIR
AFF.	ABOVE FINISH FLOOR	F.H.C.	FIRE HOSE CAB.	PNL.	PANEL
AGG.	AGGREGATE	FV.	FIELD VERIFY	PTN.	PARTITION
AC	AIR CONDITIONING			q	PENNY
AL.	ALUMINUM	GA.	GAUGE	PL	PLATE
ALT.	ALTERNATE	GL.	GLASS/ GLAZING	PLBQ.	PLUMBING
A.B.	ANCHOR BOLT	GD.	GRADE	PLYWD.	PLYWOOD
&	AND	G.	GRAM	PT.	POINT
ARCH.	ARCHITECT	GRIL.	GRILLE	P.S.I.	POUNDS PER SQ. IN.
ASP.	ASPHALT	GRD.	GRID	P.S.F.	POUNDS PER SQ. FT.
@	AT	GND.	GROUND	P.C.	PRECAST
ACT	ACOUSTIC CEILING TILE/PANEL	G.S.	GALVANIZED STEEL	P.L.	PROPERTY LINE
∠	ANGLE	GYP.	GYP SUM		
		GWBG.B.	GYP SUM BOARD		
BLKG.	BLOCKING	H.R.	HAND RAIL	R.	RISER, RISERS
BSMT.	BASEMENT	HDN.	HARDENER	RAD.	RADIUS
B.M.	BENCHMARK	HDW.	HARDWARE	R.D.	ROOF DRAIN
BD.	BOARD	HDWD.	HARDWOOD	RB.	RESILIENT BASE
B.O.	BOTTOM OF	HTR.	HEATER	RE.	REFER TO
BLDG.	BUILDING	HT.	HEIGHT	REG.	REGISTER
		H.P.	HIGH POINT	REQD.	REQUIRED
CABT.	CABINET	H.M.	HOLLOW METAL	REV.	REVISION
C.I.P.	CAST IN PLACE	HORIZ.	HORIZONTAL	RFG.	ROOFING
C.B.	CATCH BASIN	H.B.	HOSE BIB	RCH.	ROUGH
C.L.G.	CEILING	H.W.	HOT WATER	RM.	ROOM
CEM.	CEMENT/CEMENTITIOUS			RND.	ROUND
CG.	CENTIGRAM	IN.	INCH / INCHES	R.O.	ROUGH OPENING
CM.	CENTIMETER	I.D.	INSIDE DIAMETER	SCHED.	SCHEDULE
CL.	CENTER LINE	INSUL.	INSULATION	S.C.	SEALED CONCRETE
CER.	CERAMIC	INT.	INTERIOR	SCR.	SCREW
C.T.	CERAMIC TILE	INV.	INVERT	SECT.	SECTION
CHAN.	CHANNEL			SEL.	SELECT
C.	CHANNEL	JAN.	JANITOR	SHG.	SHEATHING
CLR.	CLEAR	JT.	JOINT	SHT.	SHEET
C.O.	CLEAN OUT	JST.	JOIST	SDG.	SIDING
CLOS.	CLOSET	K.P.	KICK PLATE	SIM.	SIMILAR
COL.	COLUMN	LAM.	LAMINATED	SIDG.	SLIDING
CONC.	CONCRETE	LB.	POUND	SM.	SMOOTH
CONN.	CONNECTION	LDG.	LANDING	SPEC.	SPECIFICATION
CONST.	CONSTRUCTION	LTH.	LATH	SQ.	SQUARE
C.J.	CONTROL JOINT	LAV.	LAVATORY	ST.	STAINED
CONT.	CONTINUOUS	LOC.	LOCATION	STD.	STANDARD
CONTR.	CONTRACTOR	LOG.	LENGTH	S.S.	STAINLESS STEEL
CORP.	CORRUGATED	LOC.	LOCATION	ST STL.	STRUCTURE
CTR.	COUNTER	LT.	LIGHT	SUSP.	SUSPENDED
CTSK.	COUNTERSUNK	L.W.C.	LIGHT WEIGHT CONCRETE	SW.BD.	SWITCHBOARD
C.M.U.	CONCRETE MASONRY UNIT	LVR.	LOUVER	SYS.	SYSTEM
		LOC.	LOCATION		
D.P.	DAMP PROOFING	M.O.	MASONRY OPENING	T.	TREAD
DB.	DECIBEL	MATL.	MATERIAL	T.C.	TOP OF CURB
DIAG.	DIAGONAL	MFR.	MANUFACTURER	T.G.	TEMPERED GLASS
DIAM.	DIAMETER	MB.	MARKER BOARD	T.O.	TOP OF
DM.	DIMENSION	MAX.	MAXIMUM	T.S.D.	TOP OF STEEL DECK
DISP.	DISPENSER	MECH.	MECHANICAL	T.W.	TEACHERS WARDROBE
DWL.	DOWEL	MTL.	METAL	TYP.	TYPICAL
DN.	DOWN	M.L.	METAL LATH		
D.S.	DOWNSPOUT	M.	METER	U.O.N.	UNLESS OTHERWISE NOTED
DWG.	DRAWING	MIN.	MINIMUM		
		MLDG.	MOLDING	V.	VENT
EA.	EACH	MULL.	MULLION	VERT.	VERTICAL
ELEC.	ELECTRIC			V.G.	VERTICAL GRAIN
E.W.C.	ELECTRIC WATER COOLER	N.G.	NATURAL GRADE	VEST.	VESTIBULE
EL.	ELEVATION	NOM.	NOMINAL	V.C.T.	VINYL COMPOSITION TILE
ELEV.	ELEVATOR	N.I.C.	NOT IN CONTRACT	VCP.	VITREOUS CLAY PIPE
EQ.	EQUAL	N.T.S.	NOT TO SCALE		
EQUIP.	EQUIPMENT	NO. / #	NUMBER	W.W.M.	WELDED WIRE MESH
EXH.	EXHAUST			W.C.	WATER CLOSET
EXPAN.	EXPANSION	Obs.	OBSURE	W.H.	WATER HEATER
E.I.	EXPANSION JOINT	O.C.	ON CENTER	W.F.	WIDE FLANGE
EXIST.	EXISTING	OPNG.	OPENING	W/	WITH
EXT.	EXTERIOR	O.A.	OVERALL	WO	WITHOUT
		O.D.	OUTSIDE DIAMETER	WD.	WOOD
FT.	FEET / FOOT	O.F.S.	OVERFLOW SCUPPER	WDW.	WINDOW
FIN.	FINISH	O.F.D.	OVERFLOW DRAIN	W.W.	WINDOW WALL
FIXT.	FIXTURE	O.H.D.	OVERHEAD DOOR		
FL.	FLASHING				
FLR.	FLOOR				
F.D.	FLOOR DRAIN				

LOCATION PLAN



SHEET INDEX

SHEET NUMBER	SHEET NAME
GENERAL	
A0.1	COVER SHEET
A0.2	CODE FOOTPRINT PLAN
A0.3	GENERAL NOTES, LEGENDS, SYMBOLS, & PARTITION TYPES
A0.4	U.L. DESIGN ASSEMBLIES
DEMOLITION	
AD2.1	DEMOLITION PLAN
AD2.2	DEMOLITION REFLECTED CEILING PLAN
ARCHITECTURE	
AP2.1	ARCHITECTURAL PHASING PLAN
A2.1	FIRST FLOOR PLAN
A3.1	FIRST FLOOR REFLECTED CEILING PLAN
A4.1	FIRST FLOOR FINISH PLAN, FINISH SCHEDULE & LEGEND
A7.3	INTERIOR DETAILS
PLUMBING	
PM000	SYMBOLS, ABBREVIATIONS, & GENERAL NOTES
DP2.0	PLUMBING BASEMENT DEMOLITION PLAN
DP2.1	PLUMBING FIRST FLOOR DEMOLITION PLAN
P2.0	PLUMBING BASEMENT PLAN
P2.1	PLUMBING FIRST FLOOR PLAN, SCHEDULE & DETAILS
PE2.3	PLUMBING AND ELECTRICAL THIRD FLOOR PLANS
MECHANICAL	
DM2.1	MECHANICAL FIRST FLOOR DEMOLITION PLAN
DMP2.1	MECHANICAL PIPING FIRST FLOOR DEMOLITION PLAN
M2.1	MECHANICAL FIRST FLOOR PLAN AND SCHEDULE
MP2.1	MECHANICAL PIPING FIRST FLOOR PLAN
ELECTRICAL	
E000	SYMBOLS, ABBREVIATIONS, & GENERAL NOTES
DEL2.1	LIGHTING FIRST FLOOR DEMOLITION PLAN
DEP2.1	POWER FIRST FLOOR DEMOLITION PLAN
DEC2.1	COMMUNICATIONS FIRST FLOOR DEMOLITION PLAN
EL2.1	LIGHTING FIRST FLOOR PLAN
EP2.1	POWER FIRST FLOOR PLAN & SCHEDULE
EC2.1	COMMUNICATIONS FIRST FLOOR PLAN

RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
10/20/2020

Saint Luke's

EAST HOSPITAL

LAB REMODEL

100 NE ST LUKES BLVD,
LEE'S SUMMIT, MO 64086

Date 09.18.2020

Job Number 3-20030

Drawn By BR

Checked By AD

Revision

Number Date Description

CODE SUMMARY

Project Construction Purpose: Lab Renovation

Owner Information:
Saint Luke's East Hospital
100 NE Saint Luke's Boulevard
Lee's Summit, MO 64086

Designer Information:
ACI Boland Architects
1710 Wyandotte St.
Kansas City, MO 64108
Phone: (816) 763-9600
Fax: (816) 763-9757

Code Information:
2018 International Building Code
2018 International Plumbing Code
2018 International Mechanical Code
2017 National Electrical Code (NFPA 70)
2018 International Fire Code
2009 ICC/ANSI A117.1 as amended and adopted by the City of Lee's Summit

State of Missouri Dept. of Health & Environment references the following codes:
2012 NFPA 101 Life Safety Code (LSC)
2014 FGI Guidelines for Design & Construction of Hospitals & Outpatient Facilities

Note: If code requirements overlap, the most stringent shall apply. All code summary references list IBC section numbers. NFPA section numbers are in parentheses after or below.

Local Authority:
Responding Fire Service: Lee's Summit Fire Department
Local Building Inspection: Lee's Summit, MO - Codes Administration Department

Type of Construction: Type 1-A - Section 602.2
(Type 1 - 332 Sprinklered - Section 18.1.6.1)

Code Reviewer:
The area of renovation will have no impact on occupant load or egress from the existing space. New egress and occupant load will be routed through existing doors. There are no alterations to the existing life safety plan.

Occupancy Group: Laboratory: Business (B) - Section 304

Occupant Load:
Occupant Load Factor: Business = 100 gross Table 1004.1.2
Total Square Footage = 2,565/100 = 26 Occupants

Required Egress Width Per Occupant Served:
26 Occupants x 15" = 4' Required
2 Doors at 36" Width = 72" Provided

Required Fire Resistance Ratings (in hours):
Per NFPA 101 A.8.2.1.2:

Exterior Bearing Walls	3 HR
Interior Bearing Walls	3 HR
Primary Structural Frame	3 HR
Floor Construction	2 HR
Roof Construction	1 1/2 HR
Interior non-bearing walls	0 HR

Active Fire Safety Features:

- **Fire Alarm System** - The fire alarm system is specified as an addressable type system. The device type and locations are per the applicable codes as well as ADA requirements.

- **Smoke Control System** - All ductwork penetrating smoke rated walls will have a smoke or combination fire/smoke damper as indicated on construction documents. These dampers will close upon detection of smoke by the area smoke detectors or duct smoke detectors in the air handling units.

- **Fire Sprinkler System** - Specified to be per NFPA 13. The sprinkler heads are specified to be quick response type.

- **Emergency Lighting and Power** - Emergency lighting, life safety and critical loads will receive power from a backup generator located outside the main electrical room.

- **Illuminated Exit Signs**

Passive Fire Safety Features:

- Smoke Compartments no greater than 22,500 SF

CODE FOOTPRINT LEGEND

PARTITION TYPES

- 0 HR SMOKE PARTITION (SMOKE RESISTIVE)
- 1 HR SMOKE BARRIER
- 1 HR FIRE BARRIER
- 2 HR FIRE BARRIER
- 2 HR FIRE SMOKE BARRIER
- 3 HR FIRE BARRIER

SYMBOLS

- FIRE EXIT
- OCCUPANT LOAD
- EXIT WIDTH PROVIDED
- EXIT WIDTH REQUIRED
- NEW FIRE EXTINGUISHER CABINET
- EXISTING FIRE EXTINGUISHER CABINET
- FE O
- FIRE EXTINGUISHER
- EXIT SIGN
- FIRE DOOR RATING
- TRAVEL DISTANCE
- STROBE
- STROBE/SPEAKER
- HORN/STROBE
- HORN
- FIRE PULL STATION
- FIRE SPRINKLER ZONE VALVE

A2 PARTIAL FIRST FLOOR LIFE SAFETY PLAN
1/4" = 1'-0"



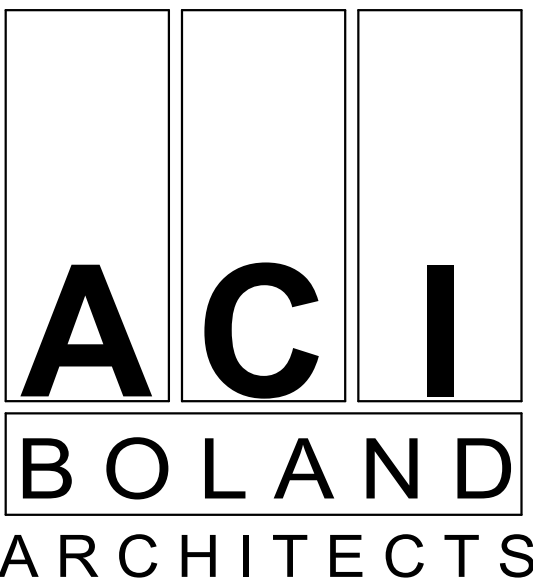
*THIS DRAWING IS INTENDED TO BE PRINTED IN COLOR. USE BLACK AND WHITE COPIES AT YOUR OWN RISK.

GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH A.D.A. REQUIREMENTS AND ALL APPLICABLE LOCAL, STATE, AND FEDERAL BUILDING CODES AND REGULATIONS.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY BUILDING PERMITS.
- THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY THE ARCHITECT OF ANY INCONSISTENCIES OR DISCREPANCIES WITH THE PROJECT DOCUMENTS. ACCESS TO THE SITE AND/OR SPACE UNDER CONSTRUCTION DURING BIDDING AND CONSTRUCTION SHALL BE COORDINATED WITH THE OWNER.
- DO NOT SCALE DRAWINGS.
- THE WORD "ALIGN" AS USED IN THESE DOCUMENTS SHALL SUPERSEDE ANY DIMENSIONAL INFORMATION GIVEN.
- THE GENERAL CONTRACTOR TO PROVIDE ALL REQUIRED LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO MEET AND COMPLETE THE REQUIREMENTS OF THE NEW CONSTRUCTION.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING AND CONFIRMING ALL SUBSTRATE CONDITIONS WHERE NEW MATERIALS ARE APPLIED. THE SUBSTRATE SHALL BE SMOOTH AND FREE OF DEFECTS AND SHALL CONFORM TO THE REQUIREMENTS OF THE FINISHED MATERIAL MANUFACTURERS RECOMMENDATIONS.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN-UP.
- THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL NOT CLOSE OR OBSTRUCT WALKWAYS, EXITS, OR OTHER FACILITIES USED BY OCCUPANTS OF THE BUILDING WITHOUT WRITTEN PERMISSION FROM AUTHORITIES HAVING JURISDICTION.
- THE GENERAL CONTRACTOR SHALL CONDUCT ALL OPERATIONS IN A SAFE WORKING MANNER TO PREVENT DAMAGE OR INJURY TO ADJACENT SPACES, BUILDING, STRUCTURE, OTHER FACILITIES, AND PERSONS.
- IF MATERIALS SUSPECTED OF CONTAINING HAZARDOUS MATERIALS ARE ENCOUNTERED, DO NOT DISTURB. IMMEDIATELY NOTIFY ARCHITECT AND OWNER. OWNER SHALL COORDINATE WITH CONTRACTOR ON THE REMOVAL OF SUCH ITEMS. WORK MAY PROCEED AFTER HAZARDOUS MATERIAL HAS BEEN REMOVED.
- THE GENERAL CONTRACTOR SHALL FURNISH AND INSTALL CONCEALED FIRE-TREATED WOOD BLOCKING BEHIND ALL CABINETS, TOILET ACCESSORIES, PLUMBING FIXTURES, AND OTHER WALL-MOUNTED ITEMS AS REQUIRED FOR ADEQUATE SUPPORT.
- REMODEL/RENOVATION NOTES**
 - THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ARCHITECT OF ANY INCONSISTENCIES OR DISCREPANCIES WITH THE PROJECT DOCUMENTS. ACCESS TO THE SITE AND/OR SPACE UNDER CONSTRUCTION DURING BIDDING AND CONSTRUCTION SHALL BE COORDINATED WITH THE OWNER.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING AND CONFIRMING ALL SUBSTRATE CONDITIONS WHERE NEW MATERIALS ARE APPLIED. THE SUBSTRATE SHALL BE SMOOTH AND FREE OF DEFECTS AND SHALL CONFORM TO THE REQUIREMENTS OF THE FINISHED MATERIAL MANUFACTURERS RECOMMENDATIONS.
 - UPON VERIFICATION OF THE EXISTING CONDITIONS, THE CONTRACTOR SHALL DETERMINE AND RECOMMEND THE BEST ACTION TO MINIMIZE THE EXTENT OF REMOVAL WORK FOR INSTALLATION OF NEW WORK.



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License - Missouri EA-2011012130



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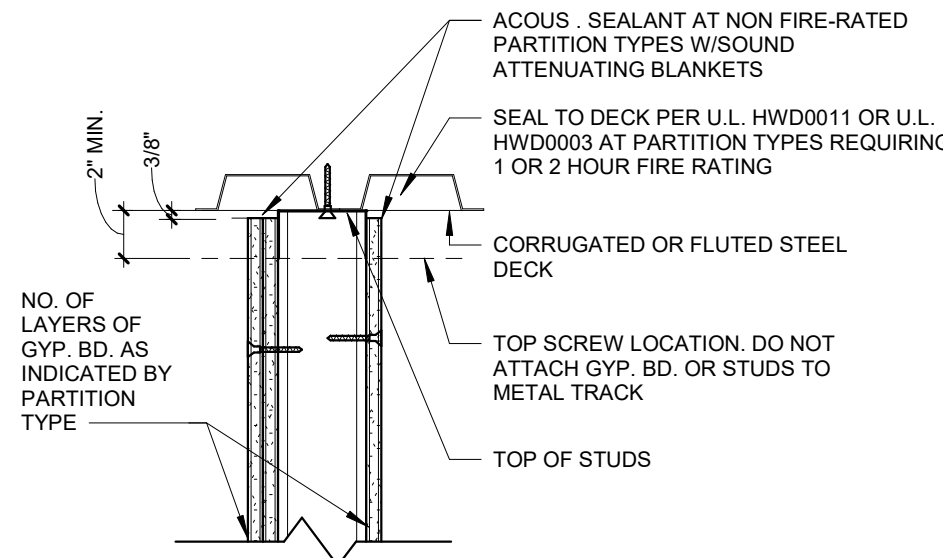
PARTITION GENERAL NOTES

- UNLESS NOTED OTHERWISE, ALL INTERIOR METAL STUDS ARE 3/8" THICK. REFER TO SUFFIX SCHEDULE BELOW FOR LOCATIONS OF METAL STUDS OTHER THAN 3/8" THICK. NOTE: STUD THICKNESS (GAUGE) MUST CONFORM TO MANUFACTURER'S RECOMMENDATIONS FOR SPAN (HEIGHT OF STUD).
- WHERE THE PARTITION TYPE INDICATION IS SHOWN WITH A NUMERICAL SUFFIX, THE METAL STUD THICKNESS SHALL BE AS SCHEDULED BELOW:

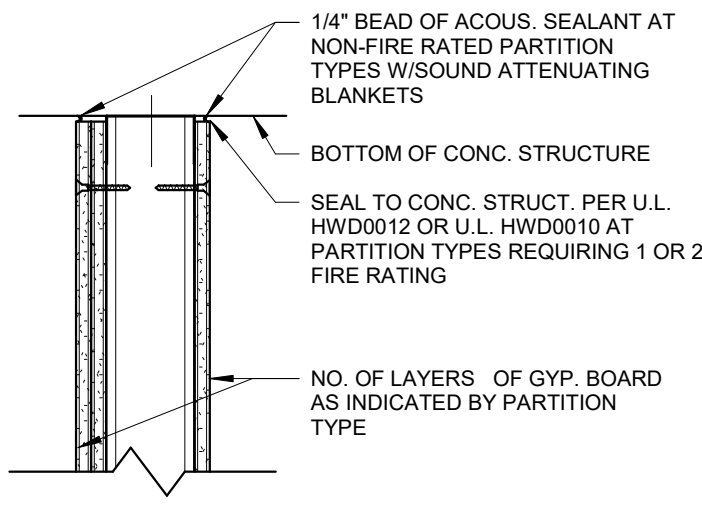
SUFFIX	MTL. STUD THICKNESS
1	1-5/8" MTL. STUDS
2	2-1/2" MTL. STUDS
3	6" MTL. STUDS
- UNLESS NOTED OTHERWISE, ALL INTERIOR DRYWALL PARTITIONS INDICATED ON THE FLOOR PLAN DRAWING ARE TYPE 'X' PARTITIONS. WHERE OCCURS, RATINGS ARE AS INDICATED ON THE LIFE SAFETY PLANS.
- UNLESS NOTED OTHERWISE, ALL INTERIOR MASONRY PARTITIONS INDICATED ON THE FLOOR PLAN DRAWING ARE TYPE 'B' PARTITIONS. WHERE OCCURS, RATINGS ARE AS INDICATED ON THE LIFE SAFETY PLANS.
- ALL STUDS ARE CONTINUOUS FROM FLOOR STRUCTURE TO CEILING STRUCTURE UNLESS NOTED OTHERWISE.
- METAL STUDS ARE SPACED @ 16" O.C. MAX., UNLESS NOTED OTHERWISE.
- UNLESS NOTED OTHERWISE, ALL GYPSUM BOARD IS TO BE 5/8" THICK "FIRCODE".

THE LOCATION OF A CHANGE IN THE PARTITION TYPE IS INDICATED BY A WALL TAG.
- THE CORRESPONDING RATED ASSEMBLIES ARE INDICATED BELOW THE PARTITION TYPES.
- PARTITION TYPE DESIGNATIONS ARE INDICATED ON THE FLOOR PLAN DRAWINGS.
- PARTITION TYPES DO NOT INCLUDE APPLIED FINISHES CALLED FOR IN THE ROOM FINISH SCHEDULE.
- AT PARTITION TYPES WHERE MTL. STUDS ARE EXPOSED ON ONE OR BOTH SIDES, CUT STUD 1/4" SHORT AND SCREW BOTH SIDES TO MTL. RUNNER TRACK.

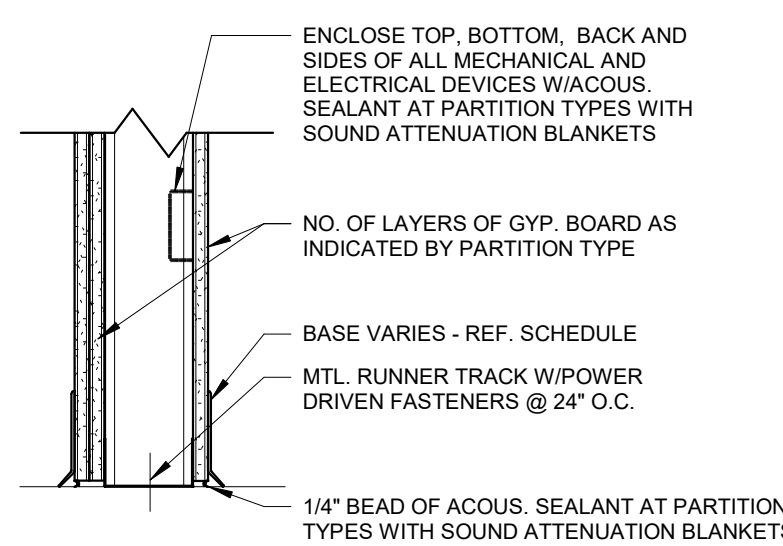
RELEASE FOR
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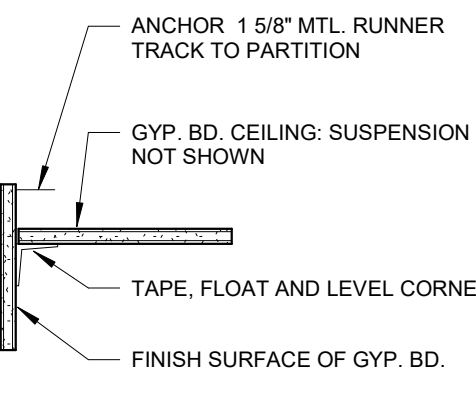
2 TOP ANCHORAGE OF PARTITION TO METAL DECK
1/4" = 1'-0"



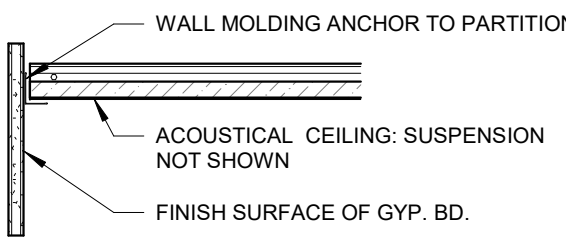
3 TOP ANCHORAGE OF PARTITION TO CONCRETE STRUCTURE. SEE 3A AND 3B FOR ADDITIONAL INFORMATION
1/4" = 1'-0"



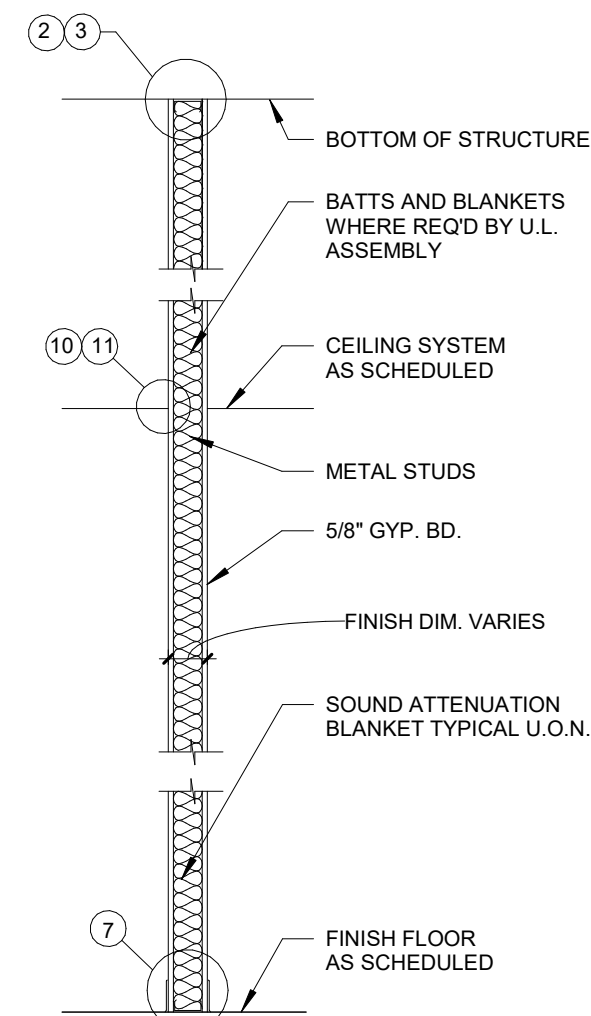
7 FLOOR ANCHORAGE OF PARTITION
1/4" = 1'-0"



10 SUSPENDED GYP. BD. CEILING
1/4" = 1'-0"



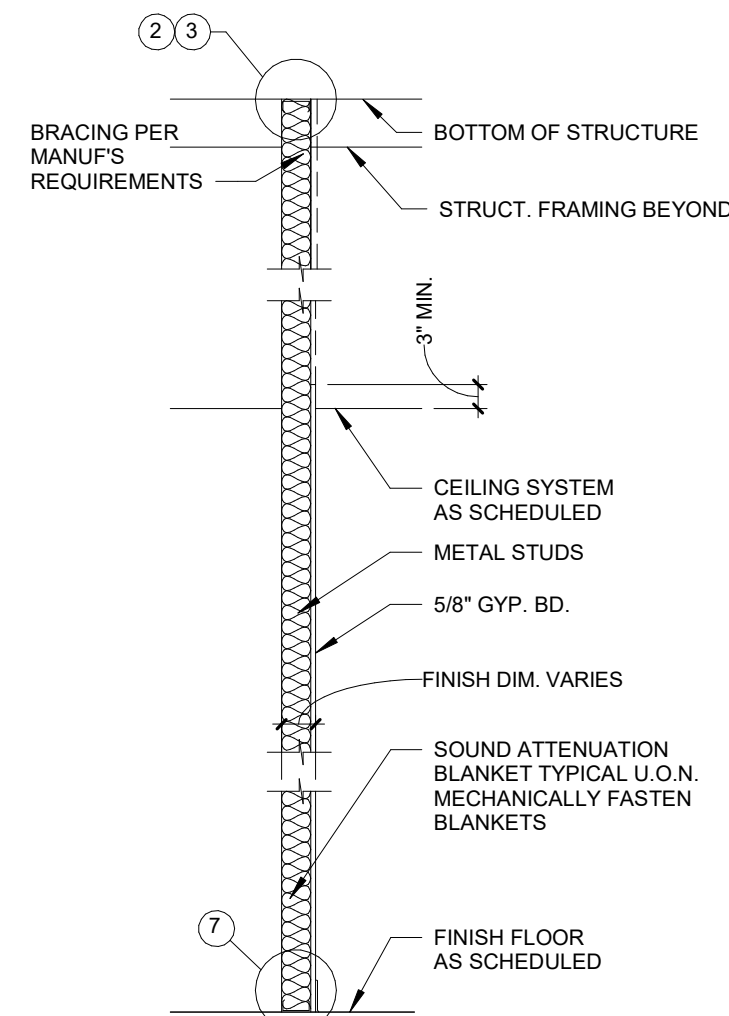
11 CEILING DETAILS FOR GYP. BD. VERTICAL SURFACES
1/4" = 1'-0"



A GYPSUM BOARD BOTH SIDES
NON-RATED - TYPICAL
1/2" = 1'-0"

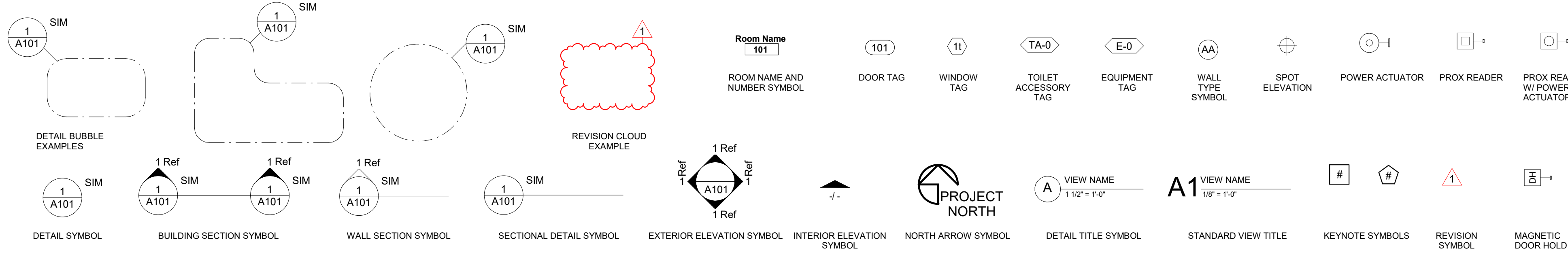
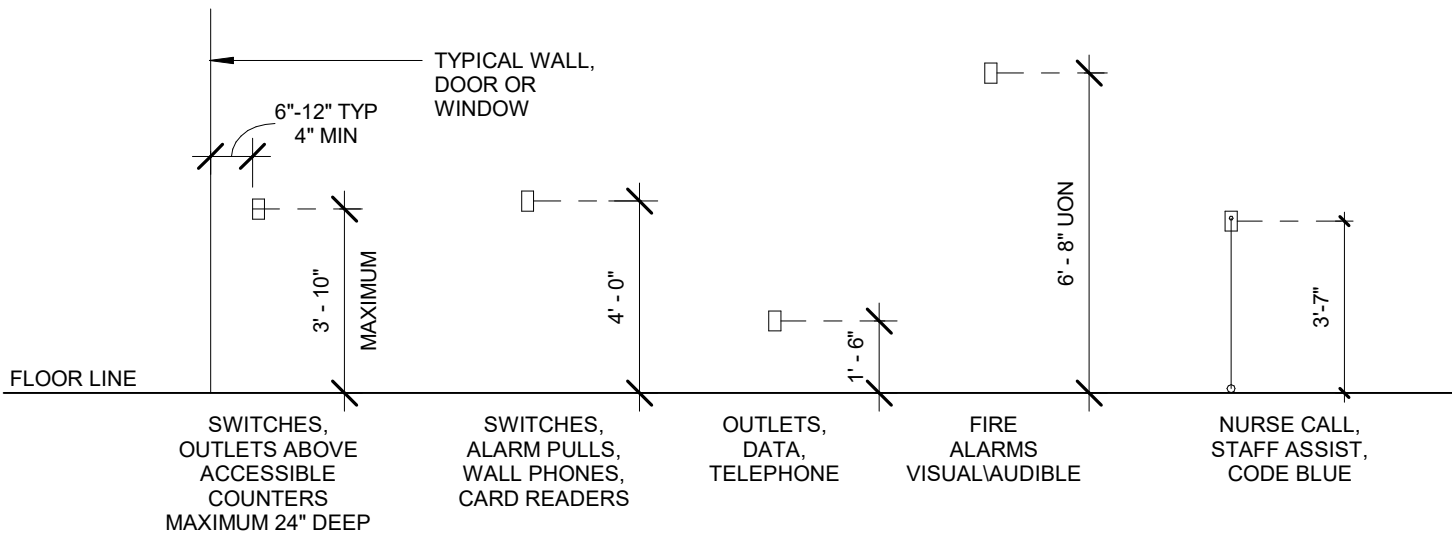
U.L. DESIGNATIONS AT RATED WALLS AS INDICATED ON LIFE SAFETY PLAN

--- 1 HOUR FIRE SEPARATION
U.L. U465 FOR 3 5/8" STUDS
U.L. U442 AT TILED WALLS
U.L. U451 FOR 2 1/2" STUDS



K GYPSUM BOARD ONE SIDE ONLY, CEILING HEIGHT
1/2" = 1'-0"

L GYPSUM BOARD ONE SIDE ONLY, FULL HEIGHT
1/2" = 1'-0"



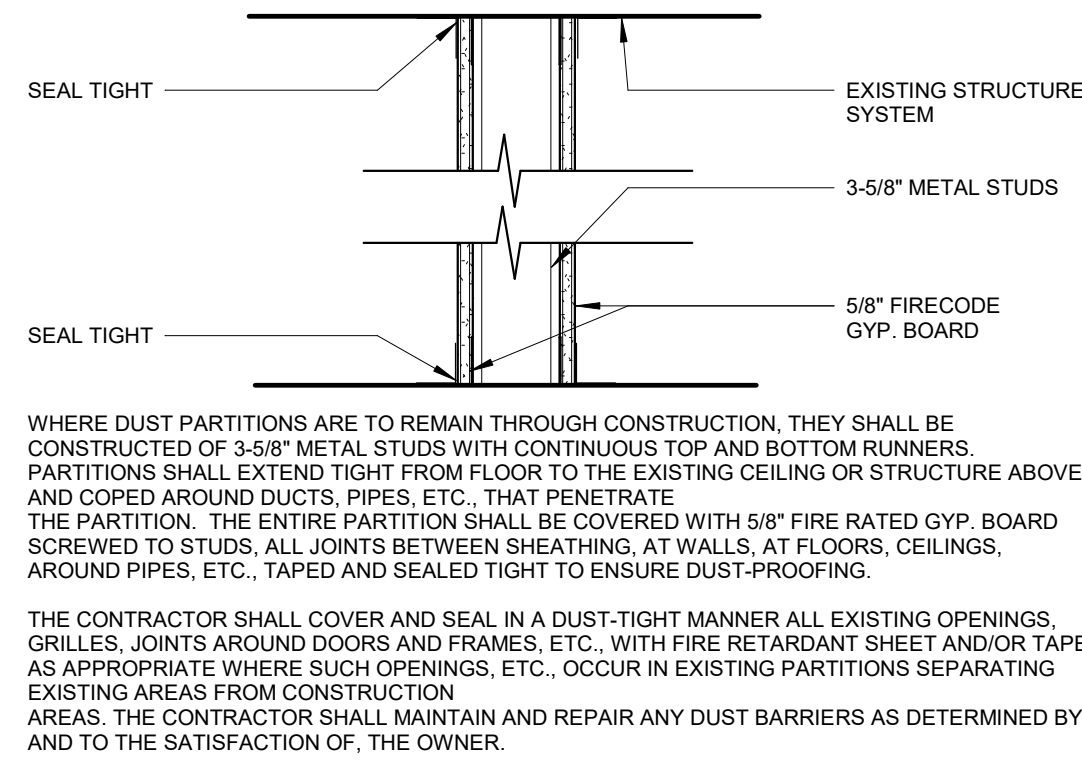
SYMBOLS
1/4" = 1'-0"

Saint Luke's
EAST HOSPITAL
LAB REMODEL
100 NE ST LUKES BLVD,
LEE'S SUMMIT, MO 64086

Date 09.18.2020
Job Number 3-20030
Drawn By BR
Checked By AD

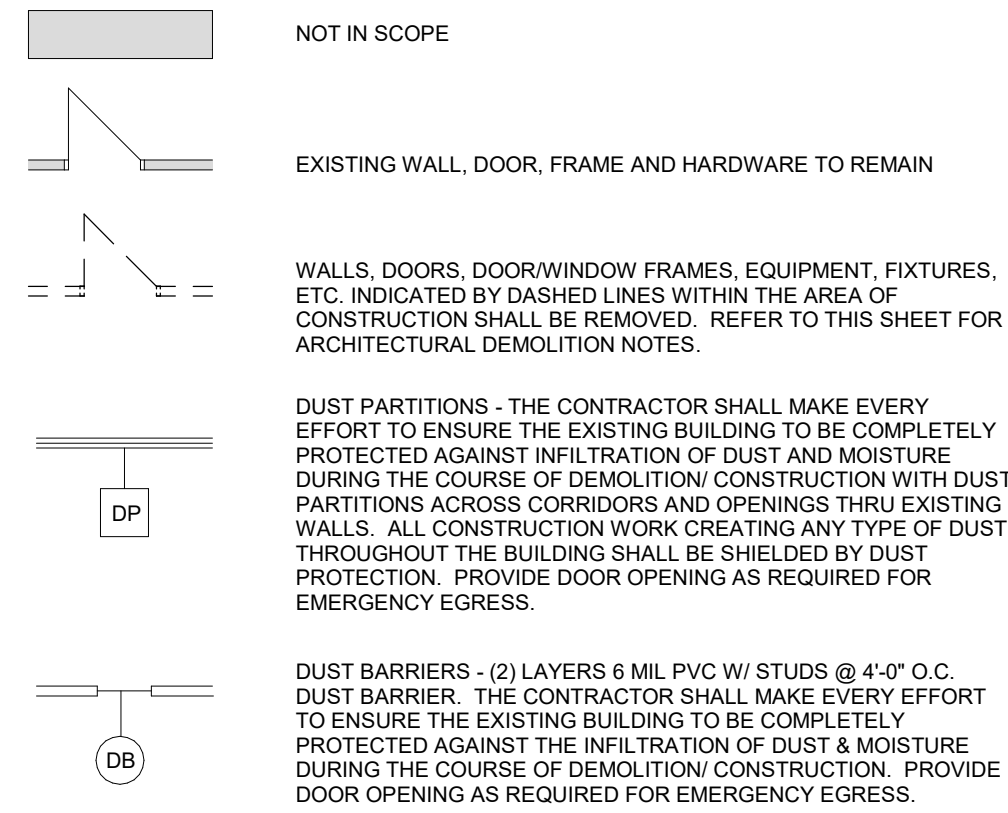
Revision
Number Date Description

A0.3
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GENERAL NOTES, LEGENDS,
SYMBOLS, & PARTITION TYPES



SMOKE TIGHT (NON-COMBUSTIBLE CONSTRUCTION PARTITION)
DP 1 1/2" = 1'-0"

DEMOLITION LEGEND



GENERAL DEMOLITION NOTES

- THE OWNER SHALL VACATE THE EXISTING ROOMS AS INDICATED ON THE PLAN AND BE RESPONSIBLE FOR THE REMOVAL OF ANY EQUIPMENT WHICH IS TO REMAIN THE PROPERTY OF THE OWNER PRIOR TO ANY WORK DONE BY THE CONTRACTOR FOR THIS PORTION OF THE SEQUENCE.
- INSTALL TEMPORARY DUST PARTITION AND/OR BARRIERS AND OTHER METHODS AS MAY BE REQUIRED NECESSARY AS INDICATED ON THE PLAN AND AS NECESSARY TO CONTAIN DEMOLITION CONSTRUCTION DUST AND DEBRIS WITHIN THE AREA OF CONSTRUCTION. REFER TO DUST PARTITION "DP" ON THIS SHEET FOR ADDITIONAL INFORMATION.
- IT IS THE INTENT OF THIS DEMOLITION TO REMOVE ALL EXISTING CONSTRUCTION WHICH CONFLICTS WITH THE INTENT OF THE NEW CONSTRUCTION. EVERY DEMOLITION DETAIL MAY NOT NECESSARILY BE COVERED ON THESE DRAWINGS. FIELD VERIFY THE EXTENT OF ALL DEMOLITION.
- THE CONTRACTOR SHALL USE EXTREME CARE IN THE PROTECTION OF ALL ADJACENT AREAS FOR IT IS IMPERATIVE TO PROVIDE CONTINUOUS OPERATION OF ALL OCCUPIED AREAS DURING THE DEMOLITION, CONSTRUCTION AND RENOVATION.
- ALL DEMOLITION DESCRIBED IN THESE DOCUMENTS SHALL BE COORDINATED WITH PHASING WORK REQUIRED TO COMPLETE THE WORK.
- THE CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK WITHIN OCCUPIED SPACES ABOVE, BELOW AND ADJACENT TO THE WORK. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE MANAGEMENT OF THE OCCUPIED SPACES ABOVE, BELOW AND ADJACENT TO THE WORK, TWO WEEKS PRIOR TO COMMENCING WORK. SUCH SPACES ARE TO REMAIN OCCUPIED DURING DEMOLITION AND ALL WORK SHALL BE PERFORMED IN SUCH A MANNER TO MINIMIZE DISRUPTION TO OCCUPIED SPACES. EXISTING FLOOR, WALL AND CEILING FINISHES TO REMAIN SHALL BE PROTECTED AND ANY DAMAGE DONE AS A RESULT OF DEMOLITION WORK SHALL BE REPAIRED.
- IN AREAS SCHEDULED FOR DEMOLITION, THE CONTRACTOR SHALL REMOVE ALL ACCESSORIES: GRAB BARS, MIRRORS, SOAP AND PAPER TOWEL DISPENSERS, SHELVES, BULLETIN BOARDS, ETC. SHALL BE TURNED OVER TO THE OWNER OR SALVAGED FOR RELOCATION.
- GENERAL CONTRACTOR AND SUB-CONTRACTORS SHALL TAKE CARE TO MINIMIZE THE DAMAGE TO EXISTING FINISHES, SURFACES, AND FURNISHINGS WHICH REMAIN. IF ANY DAMAGE WHICH OCCURS TO ADJACENT SURFACE OR MATERIALS AS A RESULT OF DEMOLITION OR CONSTRUCTION ACTIVITIES SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO REPAIR AT THEIR COST.
- WHERE NEW FINISHES ARE CALLED FOR, REMOVE AND DISCARD EXISTING FLOORING, CEILING AND WALL COVERING THROUGHOUT AREA DESIGNATED FOR NEW CONSTRUCTION AND PREP EXISTING FLOOR AND WALL SUBSTRATE TO RECEIVE THE INSTALLATION OF NEW FINISH AS SCHEDULED.
- SEE NEW WORK PLAN FOR REPAIR AND PREPARATION OF ADJACENT SURFACES.
- WHERE CEILING IS TO REMAIN, REMOVE ALL DAMAGED CEILING PANELS/ TILES AND REPLACE WITH NEW TO MATCH EXISTING.
- REMOVE AND RETURN TO THE OWNER ALL EXISTING PLUMBING FIXTURES, CAP ALL SUPPLY AND WASTE LINES AS REQUIRED. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- THE CONTRACTOR SHALL PATCH TO MATCH ADJACENT SURFACES OF EXISTING WALLS, FLOOR AND CEILING THAT REQUIRE THE REMOVAL OF GENERAL MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION WORK AND OF EQUIPMENT AND FIXTURES.
- THE CONTRACTOR SHALL PROVIDE FOR ALL NECESSARY TEMPORARY RELOCATION AND MAINTENANCE OF ALL EXISTING UTILITIES WHICH ARE CURRENTLY IN USE AND WHICH MUST BE TEMPORARILY RELOCATED DURING CONSTRUCTION OF NEW AREAS AND RENOVATION OF EXISTING AREAS.
- REFER TO MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR WORK REQUIRED FOR NEW CONSTRUCTION.
- WHERE REMOVAL OF EXISTING PARTITIONS, EQUIPMENT, ETC. DISTURBS EXISTING MECHANICAL, PLUMBING OR ELECTRICAL SERVICES, THE CONTRACTOR SHALL MAKE PERMANENT REVISIONS/PROVISIONS AS REQUIRED TO MAINTAIN SERVICES AND IF NECESSARY, PROVIDE TEMPORARY SERVICES TO AREAS NOT SCHEDULED FOR DEMOLITION, RENOVATION, AND/OR NEW CONSTRUCTION.
- WHERE EXISTING WALLS, CEILING, OR FLOORS ARE DAMAGED BY THE CONTRACTOR FOR ACCESS TO SERVICES AND NEW CONSTRUCTION WHICH MAY NOT BE INDICATED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE TO PATCH TO MATCH MATERIAL AND FINISHES TO ORIGINAL CONDITIONS. IF EXISTING FINISHES CANNOT BE MATCHED, THE ENTIRE WALL, CEILING, OR FLOOR SHALL BE REFINISHED TO THE NEAREST CORNER OR POSITIVE BREAKING POINT.
- WHEN DEMOLITION CAUSES DAMAGE TO FLOOR SLAB, WALL, OR CEILING SURFACES WHICH WILL REMAIN EXPOSED IN THE FINISHED WORK, SUCH CONDITIONS SHALL BE REPORTED TO THE ARCHITECT AND OWNER WITH A RECOMMENDATION FOR RESOLUTION OF THE CONDITIONS.
- CLEAN AIR GRILLES AND LIGHT FIXTURES THROUGHOUT PROJECT AREA UPON COMPLETION OF WORK.
- WHERE EXISTING PHONE, DATA, OR PHONE/DATA OUTLETS ARE REMOVED, THE CONTRACTOR SHALL USE EXTREME CARE IN PULLING WIRE THROUGH THE EXISTING CONDUITS, COIL AND WRAP ABOVE EXISTING CEILING FOR REUSE.
- WHERE EXTERIOR WALLS, WINDOWS, AND/OR DOORS ARE BEING REMOVED, THE CONTRACTOR WILL BE RESPONSIBLE TO CONSTRUCT TEMPORARY PARTITIONS AS REQUIRED TO ENSURE THAT THE EXISTING BUILDINGS REMAIN WATER-TIGHT, SECURE, AND WITHOUT DRAFTS DURING DEMOLITION WORK. THESE PARTITIONS SHALL REMAIN IN PLACE DURING THE NEW CONSTRUCTION WORK, OR AS REQUIRED TO MAINTAIN THIS SEPARATION.

KEYNOTES - DEMO PLAN

NUMBER	COMMENTS
1	REMOVE SINK, CABINETS, COUNTERTOP AND ASSOCIATED PLUMBING AND ELECTRICAL ITEMS. RE: MEP DRAWINGS FOR ADDITIONAL INFORMATION.
2	REMOVE EXISTING DOOR AND HARDWARE. SALVAGE TO OWNER.
3	REMOVE EXISTING FIRE EXTINGUISHER CABINET AND SALVAGE FOR REUSE. RE: LIFE SAFETY PLAN FOR RELOCATION.
4	COORDINATE REMOVAL OF EXISTING MODULAR CASEWORK, MODULAR WALLS, AND MODULAR PANELS WITH OWNER & FURNITURE VENDOR. TERMINATE AND CAP ALL ELECTRICAL AS REQUIRED. RE: MEP.
5	COORDINATE REMOVAL & RELOCATION OF EXISTING FURNITURE & EQUIPMENT WITH OWNER & FURNITURE VENDOR.
6	PATCH & REPAIR EXISTING FLOOR AS REQUIRED AFTER THE REMOVAL OF WALLS.
7	REMOVE EXISTING FLOORING & WALL BASE. PREP SUBFLOOR TO RECEIVE NEW FLOORING.
8	PREP WALLS TO RECEIVE NEW WALL BASE AND/OR FINISHES. RE: FINISH PLAN & SCHEDULE.
9	COORDINATE REMOVAL OF EXISTING POWER POLES WITH OWNER & FURNITURE VENDOR. CAP ALL WIRES & CONDUIT AND PATCH FLOORING AS REQUIRED. SALVAGE POLES FOR REUSE. RE: MEP FOR ADDITIONAL INFORMATION.
10	REMOVE EXISTING TV AND ASSOCIATED BRACKET AS REQUIRED TO INSTALL NEW FINISHES. RE: FINISH PLAN & SCHEDULE. CAP ALL WIRES & CONDUIT AS REQUIRED. SALVAGE TV AND BRACKET FOR REINSTALLATION. RE: MEP FOR ADDITIONAL INFORMATION.
11	REMOVE EXISTING COMPUTER, MONITOR, AND ACCESSORIES. SALVAGE TO OWNER FOR RELOCATION.
12	EXISTING ANALYZERS TO REMAIN. COORDINATE RELOCATION WITH OWNER AS REQUIRED FOR INSTALLATION OF NEW ANALYZERS.
13	REMOVE EXISTING LIGHT FIXTURES. SALVAGE FOR RELOCATION. RE: MEP.
14	REMOVE EXISTING SUPPLY DIFFUSERS. SALVAGE FOR RELOCATION. RE: MEP.
15	REMOVE EXHAUST DUCT AND REPLACE CEILING TILES AS REQUIRED TO ACCOMMODATE FUME HOOD RELOCATION. RE: MEP.
16	COORDINATE REMOVAL OF EXISTING POWER POLES WITH OWNER AND FURNITURE VENDOR. CAP ALL WIRES & CONDUIT AS REQUIRED. SALVAGE POLES FOR RELOCATION. RE: DEMO PLAN & MEP. REPLACE INDIVIDUAL CEILING TILES AFTER POWER POLES ARE RE-LOCATED.
17	REMOVE EXISTING CEILING GRID AND TILES.
18	COORDINATE TEMPORARY RELOCATION OF FURNITURE & EQUIPMENT WITH OWNER AND FURNITURE VENDOR AS REQUIRED TO PERFORM NEW WORK.
19	REMOVE EXISTING DOOR, FRAME ETR. SALVAGE HARDWARE FOR RE-INSTALL. PREP FRAME FOR NEW PAINT.
20	COORDINATE REMOVAL OF EXISTING FURNITURE WITH FURNITURE VENDOR AS REQUIRED TO PERFORM NEW WORK. RE: MEP.
21	REMOVE EXISTING VWC & WALL PROTECTION. PREP WALLS TO RECEIVE NEW WALL BASE AND FINISHES. RE: FINISH PLAN & SCHEDULE.
22	REMOVE EXISTING CEILING TILES. GRID ETR.
23	FIELD VERIFY LOCATION OF EXISTING MAIL BOX ON CORRIDOR SIDE. OPEN INTERIOR WALL TO INSTALL FIRE RATED 5-SIDED GYPSUM BOARD BOX AROUND MAIL BOX.
24	FIELD VERIFY LOCATION OF EXISTING ZONE VALVE BOX ON CORRIDOR SIDE. OPEN INTERIOR WALL TO INSTALL FIRE RATED 5-SIDED GYPSUM BOARD BOX AROUND ZVB.



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RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
10/20/2020

Saint Luke's
EAST HOSPITAL
LAB REMODEL
100 NE ST LUKES BLVD,
LEE'S SUMMIT, MO 64086

Date 09.18.2020
Job Number 3-20030
Drawn By BR
Checked By AD

Revision
Number Date Description
1 10.12.20 ADD 01

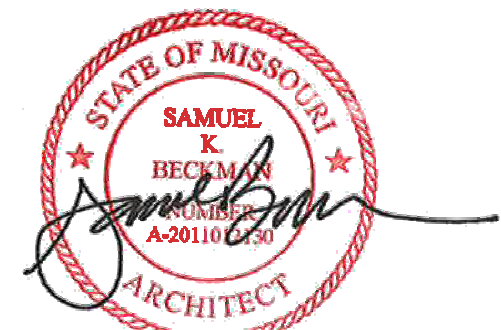
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DEMOLITION PLAN

A3 01 - FIRST FLOOR DEMO PLAN - PHASE 2
1/4" = 1'-0"





KEYNOTES - DEMO RCP	
NUMBER	COMMENTS
1	REMOVE SINK, CABINETS, COUNTERTOP AND ASSOCIATED PLUMBING AND ELECTRICAL ITEMS. RE: MEP DRAWINGS FOR ADDITIONAL INFORMATION.
2	REMOVE EXISTING DOOR AND HARDWARE. SALVAGE TO OWNER.
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DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
10/20/2020

Saint Luke's
EAST HOSPITAL

LAB REMODEL
100 NE ST LUKES BLVD,
LEE'S SUMMIT, MO 64086

Date 09.18.2020
Job Number 3-20030
Drawn By Author
Checked By Checker

Revision		
Number	Date	Description
1	10.12.20	ADD 01

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DEMOLITION REFLECTED CEILING
PLAN

A2 PARTIAL FIRST FLOOR DEMO RCP
1/4" = 1'-0"





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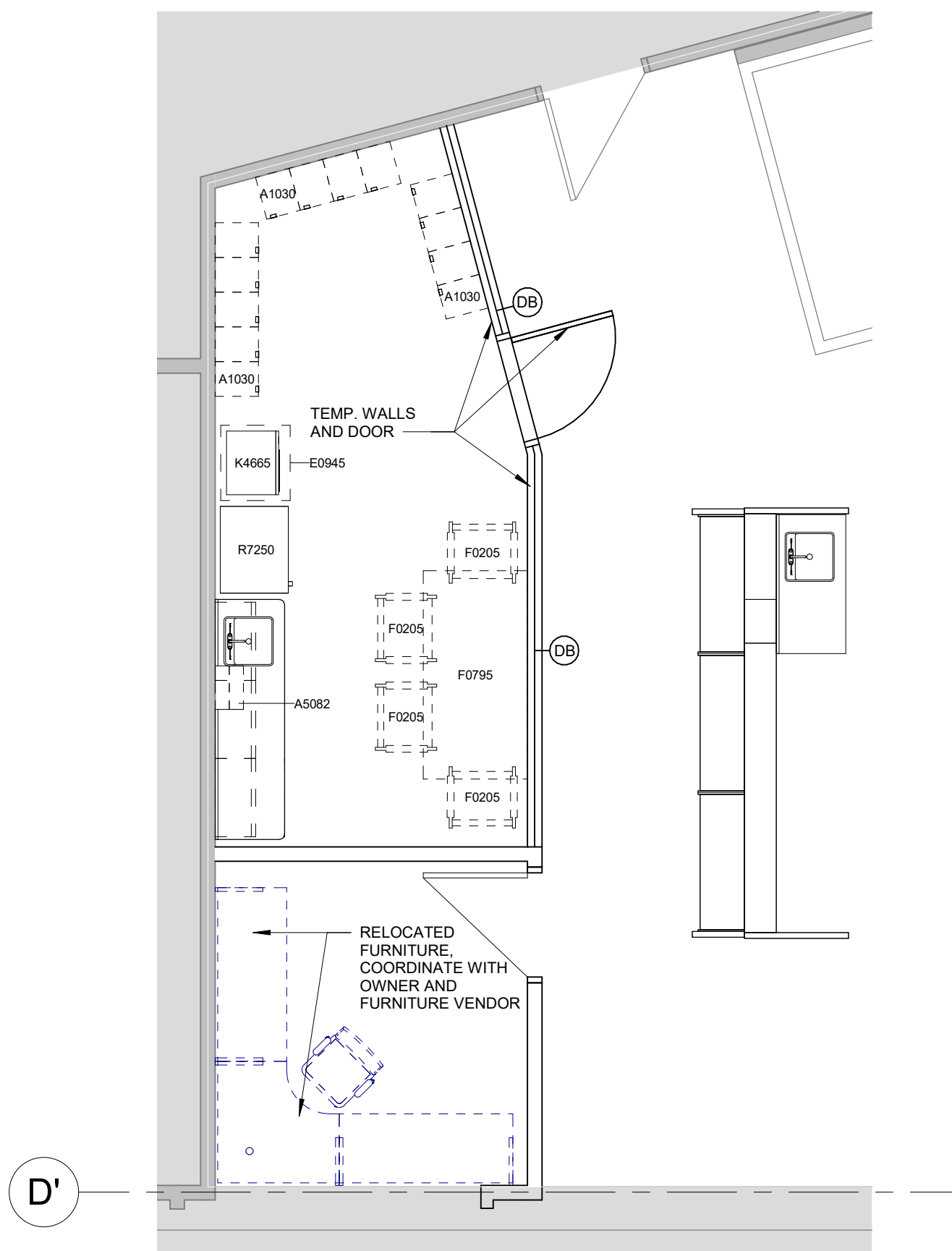
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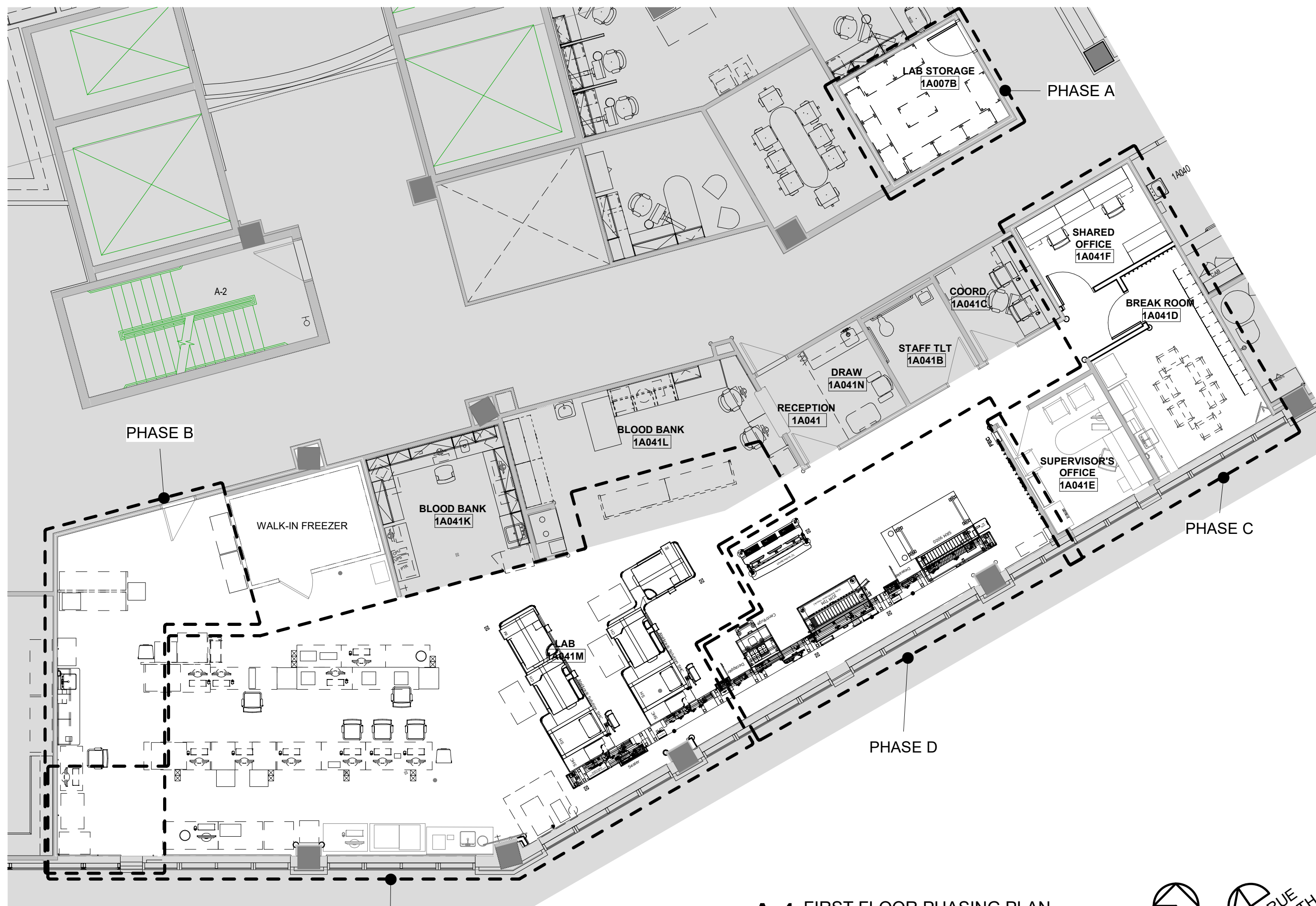
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ARCHITECTURAL PHASING PLAN

PHASING NOTES

- CONSTRUCTION PHASING SUMMARY**
- PHASE A**
1. THE LAB IS A 24 HOUR/7 DAY PER WEEK OPERATION
 2. INSTALL TEMPORARY CONSTRUCTION PARTITION DURING EACH PHASE OF THE WORK TO CONTAIN CONSTRUCTION DUST AND DEBRIS WITHIN THE CONSTRUCTION AREA. CONTRACTOR TO INSTALL ADDITIONAL PLASTIC DUST PARTITIONS IN CORRIDOR OR ELSEWHERE AS NEEDED FOR CONSTRUCTION PHASING.
- PHASE B**
1. COORDINATE REMOVAL & RELOCATION OF ALL EXISTING EQUIPMENT AND FURNITURE IN TRANSPORTER'S OFFICE 1A027B.
 2. PERFORM NEW WORK, RE: PLAN, FINISH SCHEDULE & MEP.
 3. COORDINATE REMOVAL & RELOCATION OF ALL WIRE SHELVING TO NEW LAB STORAGE 1A027B (PREVIOUSLY TRANSPORTER'S OFFICE).
- PHASE C**
1. CAREFULLY PROTECT EXISTING METAL CASEWORK IN BREAK ROOM 1A041D.
 2. PERFORM NEW WORK IN BREAK ROOM 1A041D. SUPERVISOR'S OFFICE 1A041E AND SHARED OFFICE 1A041F. RE: FLOOR PLAN, MEP, FINISH PLAN AND FINISH SCHEDULE.
 3. COORDINATE FINAL RELOCATION OF FURNITURE AND EQUIPMENT FOR SUPERVISOR'S OFFICE 1A041E TO SUPERVISOR'S OFFICE 1A041E.
 4. COORDINATE FINAL RELOCATION OF FURNITURE & EQUIPMENT FROM TEMP BREAK ROOM IN PHASE B TO NEW BREAK ROOM 1A041D.
 5. COORDINATE RELOCATION OF FURNITURE AND EQUIPMENT FROM SHARED OFFICE IN PHASE D TO NEW SHARED OFFICE 1A041F.
- PHASE D**
1. UPON COMPLETION OF PHASE C AND RELOCATION OF TEMP. SUPERVISOR'S OFFICE AND BREAK ROOM, DEMO EXISTING CYST 1A041G.
 2. PATCH AND REPAIR WALLS IN VACATED TEMP PHASE B AREA. CAREFULLY PROTECT NEW CASEWORK IN TEMP PHASE B AREA DURING THE WORK.
 3. PERFORM NEW WORK, RE: PLAN, FINISH SCHEDULE, AND MEP.
 4. COORDINATE INSTALLATION OF NEW FURNITURE AND EQUIPMENT WITH OWNER AND FURNITURE VENDOR.
- PHASE E**
1. COORDINATE RELOCATION OF EXISTING ANALYZERS WITH OWNER AS REQUIRED FOR INSTALLATION OF NEW ANALYZERS.
 2. PERFORM NEW WORK, RE: PLAN, FINISH SCHEDULE & MEP.
 3. COORDINATE RELOCATION OF ALL FURNITURE AND EQUIPMENT WITH OWNER AND FURNITURE VENDOR.



D4 TEMPORARY PHASE B PLAN
1/4" = 1'-0"



A4 FIRST FLOOR PHASING PLAN
1/8" = 1'-0"



A1 FIRST FLOOR PHASING DEMO PLAN
1/8" = 1'-0"

FFE SCHEDULE

TYPE MARK	DESCRIPTION	RESPONSIBILITY	COMMENTS
A1030	LOCKER, 2 TIER	VFVI	RELOCATED BY JOHN A. MARSHALL
A5075	SOAP DISPENSER	OFCI	NEW
A5082	PAPER TOWEL DISPENSER	OFCI	NEW
A5145	COAT RACK	VFVI	NEW BY JOHN A. MARSHALL. PROVIDE IN WALL BLOCKING
A5210	BRACKET, TELEVISION SWIVEL	OFCI	EXISTING
E0116	WORKSTATION, MOBILE, CUSTOM, 33.5"W, 24"D	VFVI	RELOCATED BY JOHN A. MARSHALL
E0117a	WORKSTATION, MOBILE, 48"W, 24"D	VFVI	RELOCATED BY JOHN A. MARSHALL
E0117b	WORKSTATION, MOBILE, 48"W, 30"D	VFVI	RELOCATED BY JOHN A. MARSHALL
E0120a	WORKSTATION, MOBILE, 60"W, 24"D	VFVI	RELOCATED BY JOHN A. MARSHALL
E0120b	WORKSTATION, MOBILE, 60"W, 30"D	VFVI	RELOCATED BY JOHN A. MARSHALL
E0123a	WORKSTATION, MOBILE, 72"W, 24"D	VFVI	RELOCATED BY JOHN A. MARSHALL
E0123b	WORKSTATION, MOBILE, 72"W, 30"D	VFVI	RELOCATED BY JOHN A. MARSHALL
E0123c	WORKSTATION, MOBILE, 72"W, 24"D	VFVI	NEW BY JOHN A. MARSHALL
E045	CART, MOBILE	VFVI	RELOCATED
F0205	SIDE CHAIR, W/ ARMS	VFVI	RELOCATED BY JOHN A. MARSHALL
F0300	CHAIR, TASK, SWIVEL, W/ ARMS	VFVI	RELOCATED BY JOHN A. MARSHALL
F0410a	FILE, LATERAL, HALF HEIGHT	VFVI	RELOCATED BY JOHN A. MARSHALL
F0410b	FILE, LATERAL, HALF HEIGHT	VFVI	RELOCATED BY JOHN A. MARSHALL
F0415	FILE, LATERAL, FULL HEIGHT	VFVI	RELOCATED BY JOHN A. MARSHALL
F0430	CABINET, BIF. MOBILE PEDESTAL	VFVI	RELOCATED BY JOHN A. MARSHALL
F0795	DINING TABLE	VFVI	RELOCATED BY JOHN A. MARSHALL
F2540	SHRED-DT	OFCI	EXISTING
K4665	MICROWAVE	OFCI	RELOCATED. POWER AS REQUIRED. RE: MEP
L0100	MICROSCOPE	OFCI	RELOCATED. POWER AS REQUIRED. RE: MEP

FFE SCHEDULE GENERAL NOTES

- ALL ITEMS IN THE FFE SCHEDULE ARE EXISTING AND TO BE RELOCATED, UNLESS OTHERWISE NOTED.

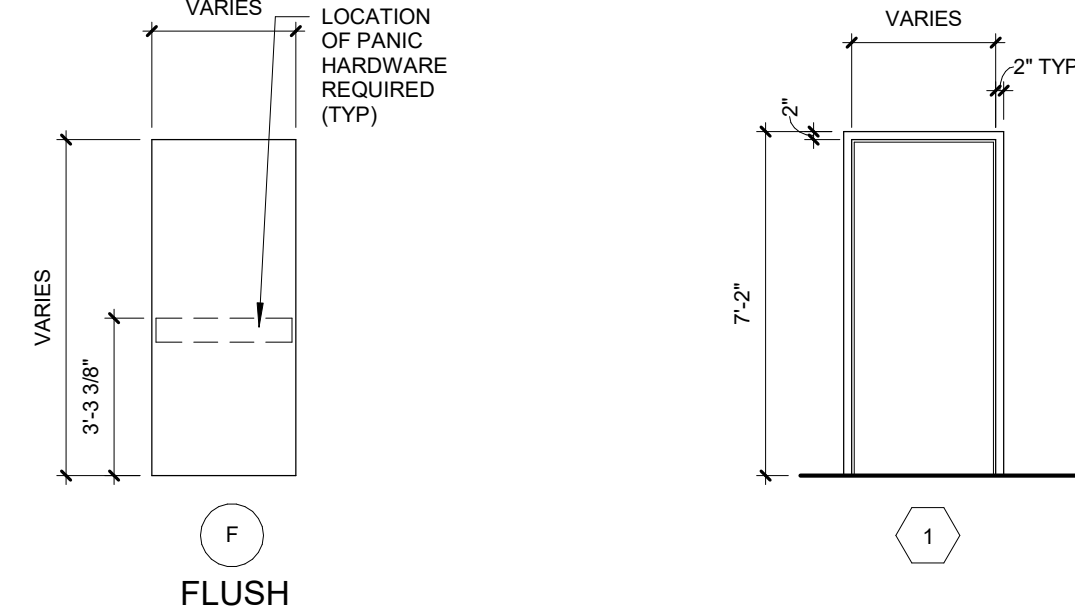
FFE SCHEDULE

TYPE MARK	DESCRIPTION	RESPONSIBILITY	COMMENTS
L0145	MICROSCOPE, DUAL HEAD	OFCI	RELOCATED. POWER AS REQUIRED. RE: MEP
L0950	ANALYZER, URINE	OFCI	RELOCATED. POWER & DATA AS REQUIRED. RE: MEP
L0955a	ANALYZER, URINE (SYSMEX UF-1000)	OFCI	RELOCATED. POWER & DATA AS REQUIRED. RE: MEP
L0955b	ANALYZER, URINE (SIEMENS CLINTEK NOVUS)	OFCI	RELOCATED. POWER & DATA AS REQUIRED. RE: MEP
L1030	ANALYZER, CHEMISTRY, STAT (SEM PREMIERES 4000)	OFCI	RELOCATED. POWER & DATA AS REQUIRED. RE: MEP
L1075	BATH, WATER, PLASMA THAWING (HELMER)	OFCI	RELOCATED. POWER AS REQUIRED. RE: MEP
L1085	ANALYZER, COAGULATION (STA20)	OFCI	RELOCATED. POWER & DATA AS REQUIRED. RE: MEP
L1115a	ANALYZER, HEMATOLOGY (SYSMEX XN-1000)	OFCI	RELOCATED. POWER AS REQUIRED. RE: MEP
L1115b	ANALYZER, HEMATOLOGY (EXCITE)	OFCI	RELOCATED. POWER AS REQUIRED. RE: MEP
L1150	OSMOMETER	OFCI	RELOCATED. POWER AS REQUIRED. RE: MEP
L1350	CENTRIFUGE	OFCI	RELOCATED. POWER AS REQUIRED. RE: MEP
L2310	CABINET, BIOSAFETY, F.S. 48"W	OFCI	RELOCATED. POWER AS REQUIRED. RE: MEP
L2375	INCUBATOR, PLATELET STORAGE SYSTEM (HELMER)	OFCI	RELOCATED. POWER AS REQUIRED. RE: MEP
M0500	MONITOR	OFCI	EXISTING. RELOCATED.
M1801	COMPUTER	OFCI	RELOCATED. POWER & DATA AS REQUIRED. RE: MEP
M1825	PRINTER	OFCI	RELOCATED. POWER & DATA AS REQUIRED. RE: MEP
M2055a	WIRE SHELVING, 48"Wx18"Dx74"H	VFVI	RELOCATED BY METRO SHELVING
M2055b	WIRE SHELVING, 48"Wx18"Dx74"H	VFVI	RELOCATED BY METRO SHELVING
M3075	BASKET, INFECTIOUS WASTE, STEP-ON	VFVI	RELOCATED
R5100	FREEZER	OFCI	RELOCATED. POWER AS REQUIRED. RE: MEP
R5110	FREEZER, PLASMA, IUC	OFCI	RELOCATED. POWER AS REQUIRED. RE: MEP
R5130	FREEZER, PLASMA	OFCI	RELOCATED. POWER AS REQUIRED. RE: MEP
R6400	REFRIGERATOR, COUNTERTOP	OFCI	RELOCATED. POWER AS REQUIRED. RE: MEP
R7250	REFRIGERATOR	OFCI	RELOCATED. POWER AS REQUIRED. RE: MEP
U1000	VOALTE CABINET	OFCI	RELOCATED. POWER AS REQUIRED. RE: MEP
U1001	ANALYZER, (GENEXPERT)	OFCI	RELOCATED. POWER & DATA AS REQUIRED. RE: MEP
U1002	MILLIPORE CLX UNIT	VFVI	NEW. RE: VENDOR DRAWINGS
U1003	MILLIPORE WATER SOFTENER	VFVI	NEW. RE: VENDOR DRAWINGS
U1004	MILLIPORE CARBON FILTER	VFVI	NEW. RE: VENDOR DRAWINGS
U1005	WIRE CART	VFVI	NEW BY JOHN A. MARSHALL
U1006	UPS RACK	VFVI	NEW BY JOHN A. MARSHALL. RE: SIEMENS DRAWINGS FOR SIZE REFERENCE

DOOR SCHEDULE

DOOR #	ROOM NAME	DOOR INFORMATION				FRAME INFORMATION		GLAZING	LABEL (MIN)	HARDWARE SET	OPENING DETAIL		REMARKS	REV #	
		WIDTH	HEIGHT	NO OF LEAVES	UNEQUAL LEAF WIDTH	ELEV.	MATL.				ELEV.	MATL.			HEAD
1A007B	LAB STORAGE	3'-0"	7'-0"	1		F	WD	1	HM	--	45 min	01	B1A2.1	A1A2.1	CARD READER
1A041D	BREAK ROOM	3'-0"	7'-0"	1		F	WD	1	HM	--	--	--	B1A2.1	A1A2.1	RE-INSTALL EXISTING HARDWARE, CLOSER, PROVIDE WALL STOP
1A041F	SHARED OFFICE	3'-0"	7'-0"	1		F	WD	1	HM	--	--	02	B1A2.1	A1A2.1	

DOOR ELEVATIONS: FRAME ELEVATIONS:



DOOR HARDWARE

DOOR HARDWARE SET: 01		DOOR NUMBER: 1A007B	
QTY	DESCRIPTION	CATALOG NUMBER	FINISH
3 EA	HINGE	58B1HWSC	626 IVE
1 EA	STOREROOM LOCK	NDR10 RHO	626 SCH
1 EA	CYLINDER	BY OWNER	626 SCH
1 EA	ELECTRIC STRIKE	4040 XP	630 VON
1 EA	SURFACE CLOSER	4040 XP	630 VON
1 EA	KICK PLATE	8400 10" X 2" LDW	630 IVE
1 EA	WALL STOP	WS406/407CCV	630 IVE
1 EA	DOOR CONTACT	675-05	WHT
1 EA	CARD ACCESS	BY SECURITY	
1 EA	LOW VOLTAGE POWER	BY SECURITY	
1 EA	WIRING DIAGRAM	BY SECURITY	

OPERATION: DOOR NORMALLY CLOSED AND LOCKED. ENTRY VIA VALID CARD READ. ALWAYS FREE FOR EGRESS.

DOOR HARDWARE SET: 02		DOOR NUMBER: 1A041F	
QTY	DESCRIPTION	CATALOG NUMBER	FINISH
3 EA	HINGE	58B1HW	626 IVE
1 EA	ENTRANCE LOCK	NDR3LD RHO	626 SCH
1 EA	WALL STOP	WS406/407CCV	630 IVE

DOOR & FRAME MAT'L LEGEND

HM	HOLLOW METAL
WD	SOLID CORE WOOD

GENERAL PLAN NOTES

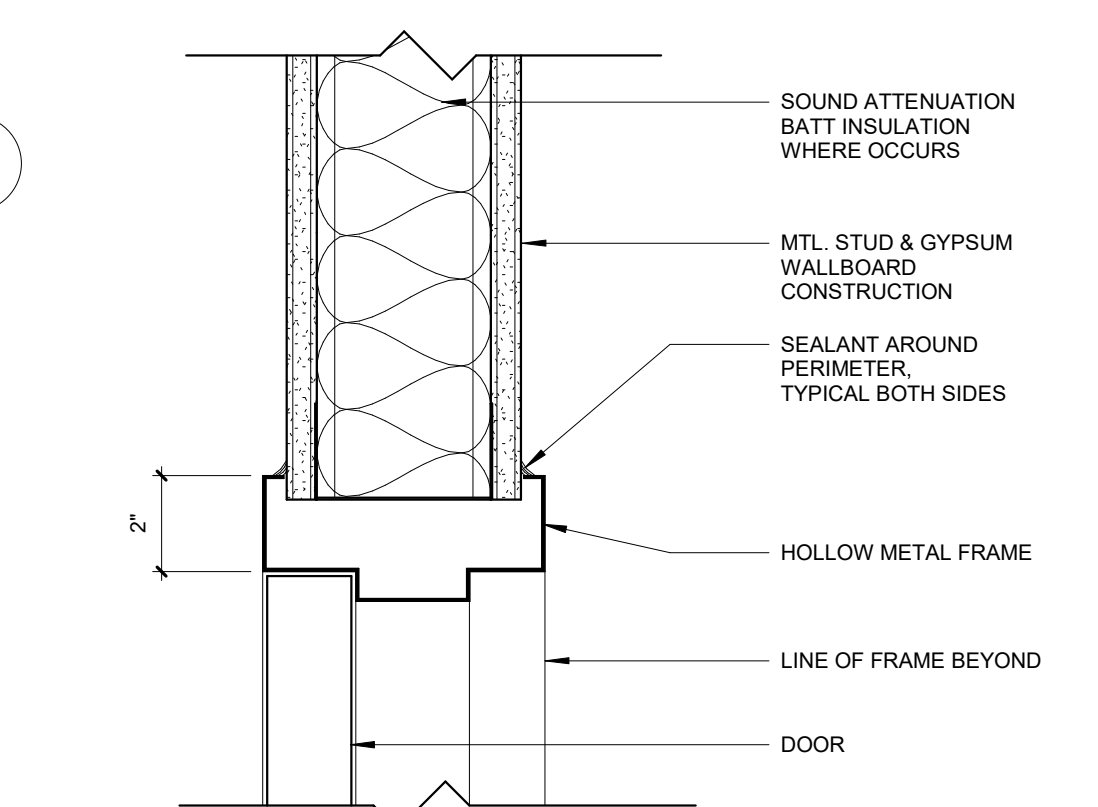
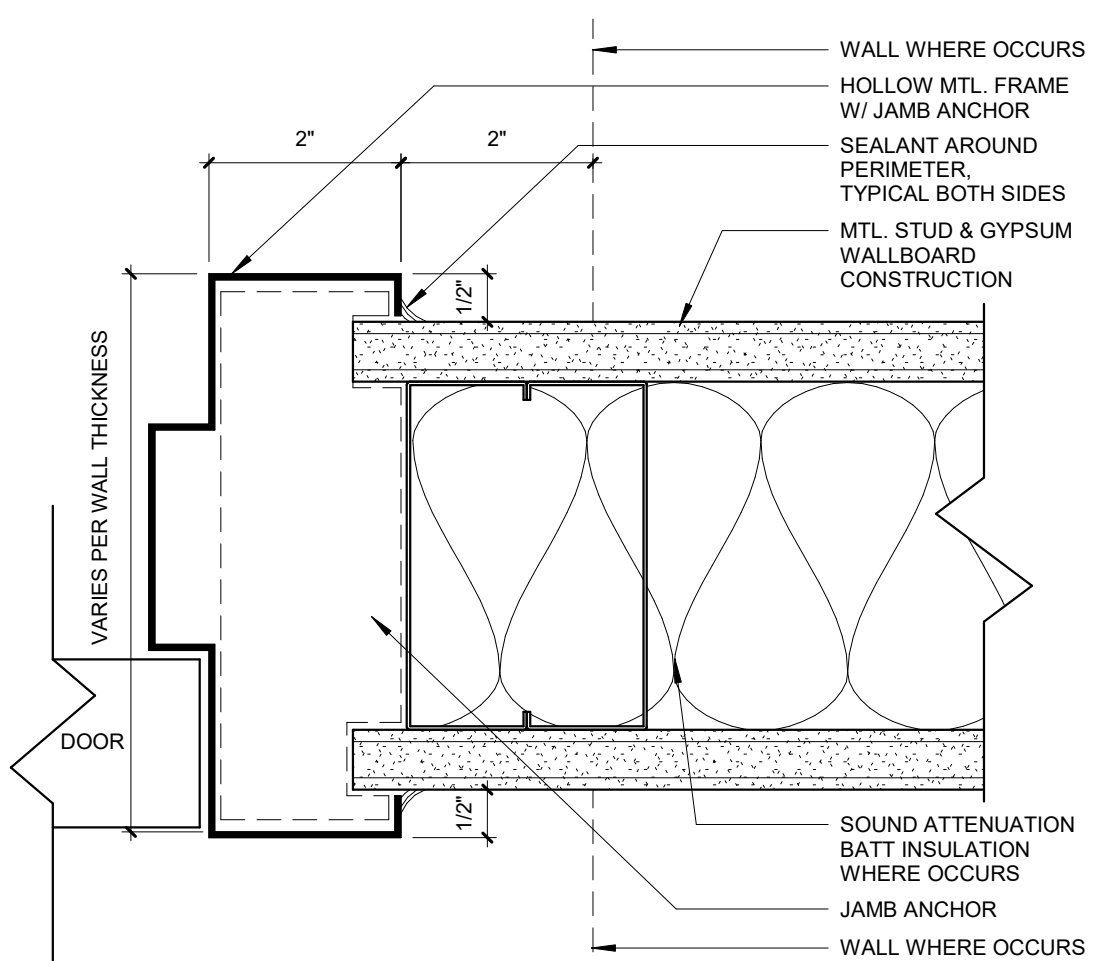
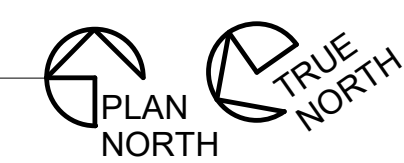
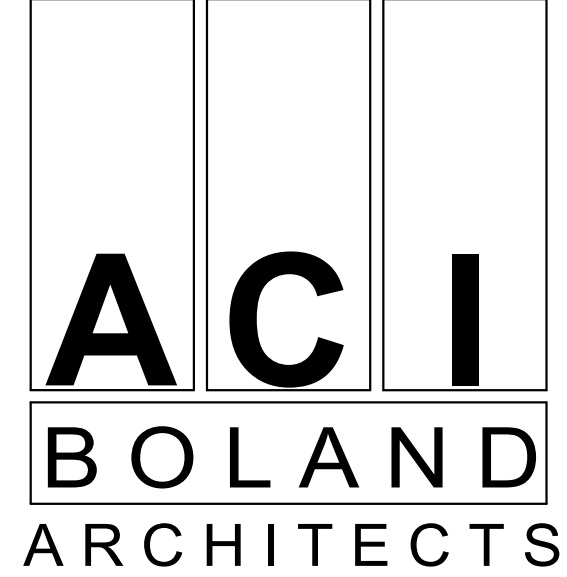
- REFER TO GENERAL NOTES, LEGENDS & SYMBOLS SHEET FOR ADDITIONAL GENERAL NOTES AS APPLICABLE
- TYPICAL DIMENSIONS ARE TO FACE OF CONCRETE, DRYWALL, CURTAIN WALL, ETC., OR TO COLUMN CENTERLINE. DIMENSIONS AT WINDOWS ARE TYPICALLY TO FACE OF FRAME. REFER TO PLAN DETAILS FOR ADDITIONAL INFORMATION.
- ALL EXISTING CONSTRUCTION TO REMAIN SHALL BE PATCHED, REPAIRED, AND PREPARED AS REQUIRED FOR NEW FINISH APPLICATION.

KEYNOTES - FLOOR PLAN

NUMBER	COMMENTS
1	NEW FLOOR DRAIN, RE: MEP. PATCH AND REPAIR FLOORING AS REQUIRED.
2	RELOCATED POWER POLES, FINAL COURTS AND LOCATIONS TO BE COORDINATED W/ OWNER. RE: MEP & SIEMENS DRAWINGS FOR UTILITY REQUIREMENTS. PATCH AND REPAIR FLOOR AND REPAIR CEILING TILES AS REQUIRED.
3	NEW EQUIPMENT AND AUTOMATION LINE TO BE INSTALLED. RE: VENDOR DRAWINGS
4	RELOCATED FURNITURE & EQUIPMENT. COORDINATE RELOCATION WITH OWNER & FURNITURE VENDOR.
5	EXISTING CASEWORK, PLUMBING, & EQUIPMENT TO REMAIN.
6	NEW LOCKERS BY JOHN A. MARSHALL
7	NEW WATER SYSTEM AND EQUIPMENT TO BE INSTALLED. RE: MEP & VENDOR DRAWINGS.
8	NEW WORK TABLES AND HALF HEIGHT FURNITURE PANEL. VFVI BY JOHN A. MARSHALL. FIELD VERIFY AND COORDINATE FINAL SIZES W/ OWNER.
9	NOT USED.
10	NEW COAT HOOKS BY JOHN A. MARSHALL FOR RELOCATED LAB COATS. BLOCKING AS REQUIRED.
11	NOT USED.
12	NEW WORKSURFACE & WALL MOUNTED FLUPPER BINS. VFVI BY JOHN A. MARSHALL. FIELD VERIFY & COORDINATE FINAL LAYOUT WITH OWNER.
13	NEW POWER POLE DOWN TO HALF HEIGHT FURNITURE PANEL. COORDINATE LOCATION W/ OWNER & FURNITURE VENDOR. RE: MEP
14	RELOCATED TV AND BRACKET. CONTRACTOR TO PROVIDE IN WALL BLOCKING. POWER & DATA AS REQUIRED. RE: MEP
15	RELOCATED COMPUTER, MONITOR, AND ASSOCIATED ACCESSORIES. POWER & DATA AS REQUIRED. RE: MEP
16	RELOCATED FIRE EXTINGUISHER CABINET.
17	NEW CORNER GUARD. RE: FINISH LEGEND
18	NEW ELECTRICAL PANEL. RE: MEP
19	RELOCATED CPU HOLDER AND UTILITIES. RE: MEP
20	NEW GYP FURRING FOR MEP UTILITIES. RE: MEP
21	EXISTING MONITOR. DE-INSTALL AND COORDINATE RELOCATION W/ OWNER. RE-INSTALL AFTER CONSTRUCTION IS COMPLETE. RE: MEP
22	ATELLICA UPS. RE: MEP & VENDOR INFORMATION
23	ATELLICA TRANSFORMER. RE: MEP & VENDOR INFORMATION
24	ATELLICA DISCONNECT SWITCH. RE: MEP & VENDOR INFORMATION
25	NEW DOOR, MATCH EXISTING RATINGS AS REQUIRED. RE-INSTALL EXISTING HARDWARE. PAINT FRAME. RE: FINISH SCHEDULE

FLOOR PLAN LEGEND

NOT IN SCOPE	NOT IN ARCHITECTURAL SCOPE
CONCRETE SLAB INFILL	EXISTING WALL
NEW WALL	EXISTING WALL
EXPANSION JOINT	EXISTING EXPANSION JOINT
DOOR No.	EXISTING DOOR
NEW DOOR	EXISTING DOOR

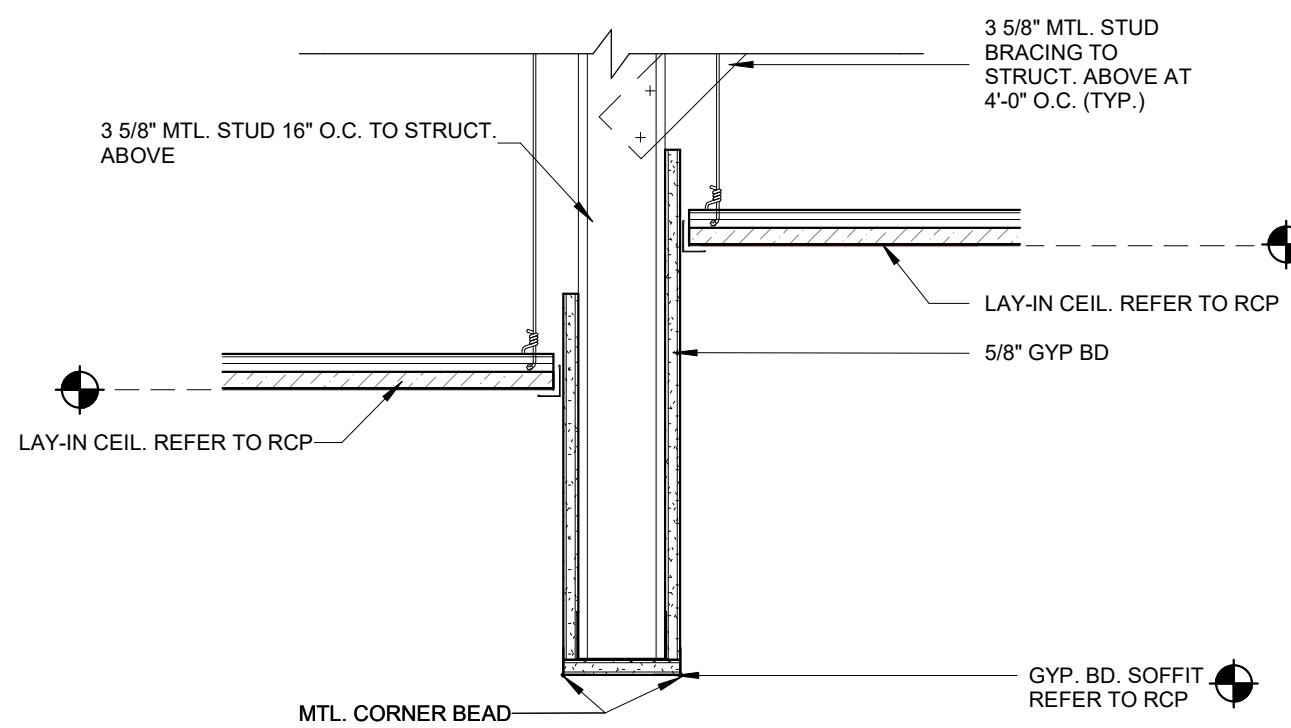
B1 TYPICAL HEAD - HOLLOW METAL DOOR FRAME
3" = 1'-0"A2 TYPICAL JAMB - HOLLOW METAL DOOR FRAME
6" = 1'-0"A2 FIRST FLOOR PLAN
1/4" = 1'-0"Samuel K. Beckman - Architect
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AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
10/20/2020Saint Luke's
EAST HOSPITAL
LAB REMODEL
100 NE ST LUKES BLVD,
LEE'S SUMMIT, MO 64086Date 09.18.2020
Job Number 3-20030
Drawn By BR
Checked By ADRevision
Number 1 Date 10.12.20 Description ADD 01

A2.1

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FIRST FLOOR PLAN



E2 BULKHEAD DETAIL
1 1/2" = 1'-0"

REFLECTED CEILING NOTES

- THIS PLAN SHALL BE USED TO COORDINATE THE CEILING LAYOUT WITH MECHANICAL AND ELECTRICAL WORK. VERIFY THE EXACT QUANTITY REQUIRED.
- CONTRACTOR TO REFER TO THE ELECTRICAL PLANS FOR ACTUAL LIGHTING SIZES AND FIXTURE TYPES.
- REFER TO ARCHITECTURAL FLOOR PLANS FOR MATERIAL LEGEND OF ALL TYPES.
- ALL CEILINGS ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
- EXISTING MEPPF DEVICES SHOWN ARE BASED ON EXISTING DRAWINGS AND/OR FIELD OBSERVATIONS. THE OWNER/ARCHITECT DOES NOT GUARANTEE THE ACCURACY/LOCATION OR QUANTITY OF EXISTING DEVICES. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR CONFLICTS BETWEEN ARCHITECTURAL & MEP ITEMS PRIOR TO INSTALLATION.
- CONTRACTOR TO PROVIDE ALL REQUIRED LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO MEET AND COMPLETE THE REQUIREMENTS OF THE NEW CONSTRUCTION.
- SEE FINISH SCHEDULE FOR FINISH LOCATION AND SPECIFICATIONS.
- PAINT THE UNDERSIDE OF ALL GYPSUM BOARD CEILINGS, BULKHEADS AND SOFFITS P-S, UNLESS NOTED OTHERWISE.

CEILING LEGEND

- RECESSED CAN LIGHT FIXTURE RE: ELECT
- ◻ 2X4 RECESSED/SURFACE FLUORESCENT LIGHT FIXTURE RE: ELECT
- ◻ 2X2 RECESSED/SURFACE FLUORESCENT LIGHT FIXTURE RE: ELECT
- CL GYP BOARD CEILING - PAINTED W/ CONTROL JOINTS PER SPECS
- 2X2/24 LAY-IN ACOUSTICAL CEILING
- ⊗ EXIT LIGHT WITH FIXTURE MARK CEILING MOUNTED RE: ELECT
- ⊗ EXIT LIGHT WITH FIXTURE MARK WALL BRACKET RE: ELECT
- ⊗ SUPPLY AIR GRILLE RE: MECH
- ⊗ RETURN AIR OR EXHAUST GRILLE RE: MECH
- 9'-0" SOFFIT HEIGHT
- 9'-0" CEILING HEIGHT

KEYNOTES - RCP

NUMBER	COMMENTS
1	EXTEND NEW CEILING GRID TO ALIGN WITH EXISTING. PROVIDE NEW CEILING TILES TO MATCH EXISTING.
2	EXISTING CEILING, LIGHTS, DIFFUSERS, ETC. TO REMAIN. RE: MEP.
3	EXISTING LIGHT TO BE RELOCATED IN NEW EXTENDED CEILING GRID. RE: MEP.
4	RELOCATED DIFFUSER IN EXTENDED CEILING GRID. RE: MEP.
5	NEW POWER POLE LOCATIONS. COORDINATE FINAL LOCATION WITH EQUIPMENT VENDOR DRAWINGS AND MEP. RE: VENDOR DRAWINGS FOR UTILITY REQUIREMENTS AT EACH POWER POLE LOCATION. CUT & REPLACE CEILING TILES AS REQUIRED.
6	EXISTING TUBE LINE (ABOVE CEILING) AND TRANSFER STATION (ABOVE CEILING) TO REMAIN.
7	NEW 2X2 CEILING GRID & TILES. RE: MEP & FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
8	EXISTING CEILING GRID TO REMAIN. ADD CROSS TEES TO CREATE 2X2 GRID. REPLACE EXISTING CEILING TILES. RE: MEP & FINISH SCHEDULE FOR ADDITIONAL INFORMATION.



A2 FIRST FLOOR RCP
1/4" = 1'-0"



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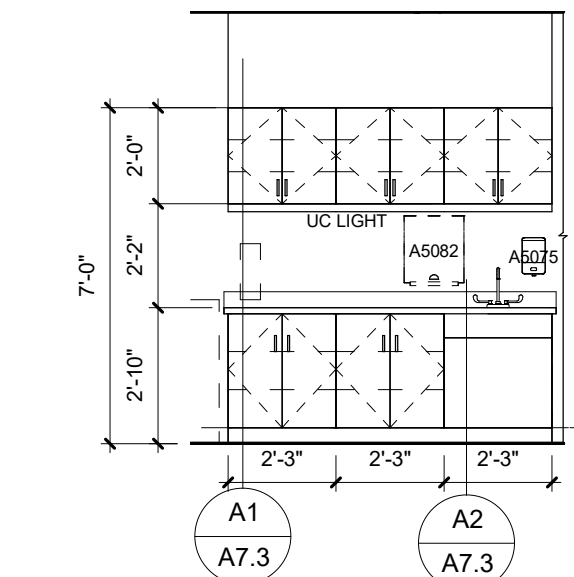
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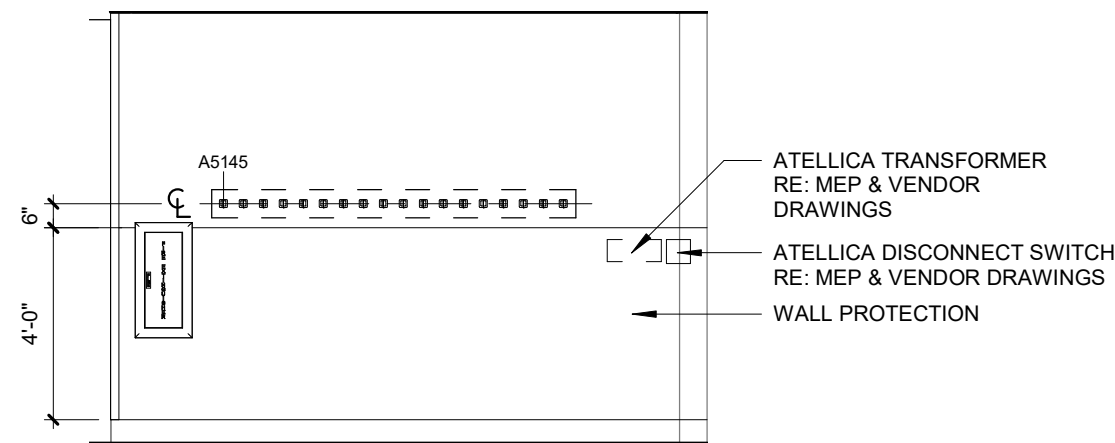
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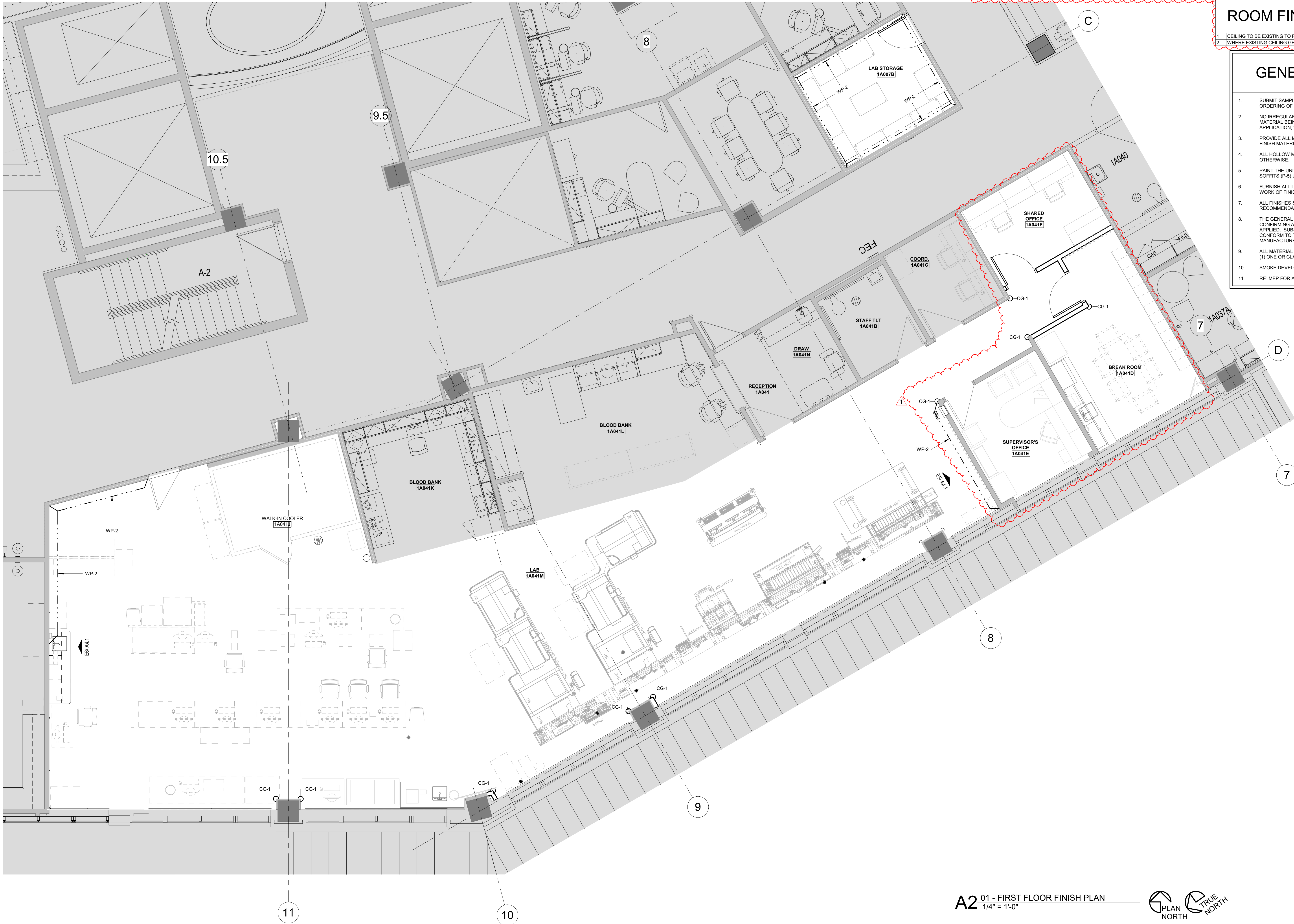
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FIRST FLOOR REFLECTED CEILING
PLAN



E6 LAB - WEST
1/4" = 1'-0"



E5 LAB - EAST
1/4" = 1'-0"



INTERIOR FINISH LEGEND						
MARK	ITEM	MANUFACTURER	MODEL / PATTERN	COLOR	SIZE	REMARKS
CPT-2	CARPET	MANNINGTON	MO50	SOREL 143333	24"x24"	INSTALLATION: MONOLITHIC
LVT-1	LUXURY VINYL TILE	MANNINGTON	AMTICO WOOD	REGENCY WALNUT AROW8200	4'-12"x36"	STRAIGHT EDGE ONLY; INSTALLATION: RANDOM
LVT-2	LUXURY VINYL TILE	MANNINGTON	AMTICO STONE	CORINTHIAN MARBLE AROSTV13	18"x18"	STRAIGHT EDGE ONLY; INSTALLATION: ASHLAR
BASE	RESILIENT BASE	ROPPE	PINNACLE	#110 BROWN	4" COVE	-
WALL	PAINT - EGGSHELL FINISH	SHERWIN WILLIAMS	-	SW7036 ACCESSIBLE BEIGE	-	FIELD PAINT
P-3	PAINT - EGGSHELL FINISH	SHERWIN WILLIAMS	-	SW7660 EARL GRAY	-	ACCENT PAINT
P-4	PAINT - SEMI-GLOSS FINISH	SHERWIN WILLIAMS	-	SW7509 TRO HUT	-	HOLLOW METAL DOOR FRAME PAINT
P-5	PAINT - EGGSHELL FINISH	SHERWIN WILLIAMS	-	SW7007 CEILING BRIGHT WHITE	-	CEILING PAINT
P-8	PAINT - EGGSHELL FINISH	SHERWIN WILLIAMS	-	SW7621 SILVERMIST	-	ACCENT PAINT
CASEWORK	CHEMICAL RESISTANT WORKSURFACE	DURCON INC.	SOLICORE	DURCON GRAY	1" THICK	-
MT-1	METAL CABINETS	MOTT MANUFACTURER	#601006	WARM GRAY	-	COLOR SHALL MATCH IF USING OTHER MANUFACTURER
MISC	CORNER GUARD	CIS ACRYLYN	SM-300ACRYLYN-4000	#858 PUMICE	3" WING	ABOVE BASE TO CEILING. INCLUDE ALL TRIM AND ACCESSORIES.
CG-1	INTERIOR DOOR	V.T. INDUSTRIES	HIGH PRESSURE DECORATIVE LAMINATE	WILSONART WALNUT HEIGHTS #7969K-12	48" ABOVE BASE	3MM PVC EDGES, LAMINATED TOP AND BOTTOM. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION
WP-2	WALL PROTECTION	CIS ACRYLYN	ACRYLYN 4000	#858 PUMICE	48" ABOVE BASE	48" ABOVE BASE. INCLUDE ALL TRIM AND ACCESSORIES.
CEILING	ACOUSTIC CEILING TILE	USG	RADAR CLIMAPLUS #2210	WHITE	24"x24"	ISO EDGE, DOWN DX TEE 15/16" GRID SYSTEM

ROOM FINISH SCHEDULE													
ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALLS				BASE CABINET	CASEWORK			UPPER CABINETS	CEILING
				NORTH	EAST	SOUTH	WEST		COUNTERTOPS	SINK	ETR		
1A041B	LAB STORAGE	LVT-2	RWB-2	P-1WP-2	P-1WP-2	P-1WP-2	P-1WP-2	-	-	-	-	-	ACT-1
1A041D	BREAK ROOM	LVT-1	RWB-2	P-1	P-3 ACCENT	P-1	P-1	ETR	ETR	ETR	ETR	-	ACT-1
1A041E	SUPERVISOR'S OFFICE	CPT-2	RWB-2	P-1	P-8 ACCENT	P-1	P-1	-	-	-	-	-	ACT-1
1A041F	SHARED OFFICE	CPT-2	RWB-2	P-8 ACCENT	P-1	P-1	P-1	-	-	-	-	-	ACT-1
1A041M	LAB	ETR	ETR	ETRWP-2	ETRWP-2	ETR	ETRWP-2	MT-1	CRW-1	SST	MT-1	ETR	1, 2

ROOM FINISH SCHEDULE NOTES

- CEILING TO BE EXISTING TO REMAIN. REPLACE DAMAGED CEILING TILES AS REQUIRED.
- WHERE EXISTING CEILING GRID IS EXTENDED, NEW CEILING TILES TO MATCH EXISTING 2X4 TILES.

GENERAL FINISH NOTES

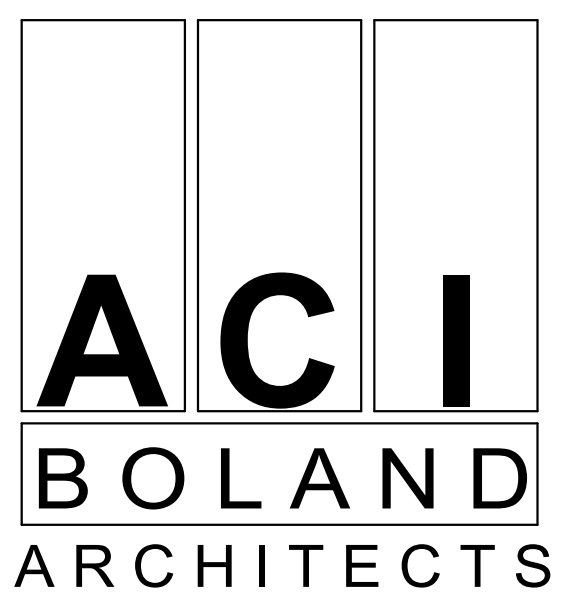
- SUBMIT SAMPLES OF ALL FINISHES TO ARCHITECT FOR REVIEW PRIOR TO THE ORDERING OF MATERIAL.
- NO IRREGULARITIES OR IMPERFECTIONS SHALL BE PRESENT IN ANY OF THE MATERIAL BEING INSTALLED. IF SUCH ITEMS ARE IDENTIFIED DURING APPLICATION, WORK SHALL BE STOPPED AND THE ARCHITECT NOTIFIED.
- PROVIDE ALL MAINTENANCE MANUALS AND WARRANTY INFORMATION FOR EACH FINISH MATERIAL TO OWNER AT COMPLETION OF THE PROJECT.
- ALL HOLLOW METAL DOOR FRAMES TO BE PAINTED (P-4) UNLESS NOTED OTHERWISE.
- PAINT THE UNDERSIDE OF ALL GYPSUM BOARD CEILINGS, BULKHEADS AND SOFFITS (P-5) UNLESS NOTED OTHERWISE.
- FURNISH ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO COMPLETE WORK OF FINISH APPLICATIONS.
- ALL FINISHES SHALL BE INSTALLED AND MAINTAINED PER MANUFACTURER'S RECOMMENDATION AND INDUSTRY STANDARDS.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING AND CONFIRMING ALL SUBSTRATE CONDITIONS WHERE NEW MATERIALS ARE APPLIED. SUBSTRATE SHALL BE SMOOTH, FREE OF DEFECTS AND SHALL CONFORM TO THE REQUIREMENTS OF THE FINISHED MATERIAL MANUFACTURER'S RECOMMENDATIONS.
- ALL MATERIAL TO COMPLY WITH FLAME SPREAD CLASSIFICATION EITHER CLASS (1) ONE OR CLASS A DEPENDING ON GOVERNING CODE IN EFFECT.
- SMOKE DEVELOPMENT RATING < 450 FOR ALL FINISHES.
- RE: MEP FOR ALL SST SINKS.

FINISH FLOOR PLAN LEGEND			
N	E	ROOM FINISH SCHEDULE DIRECTION	
W	S	FLOOR FINISH DIRECTION	

A2 01 - FIRST FLOOR FINISH PLAN
1/4" = 1'-0"



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RELEASE FOR
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DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
10/20/2020

Saint Luke's
EAST HOSPITAL
LAB REMODEL
100 NE ST LUKES BLVD,
LEE'S SUMMIT, MO 64086

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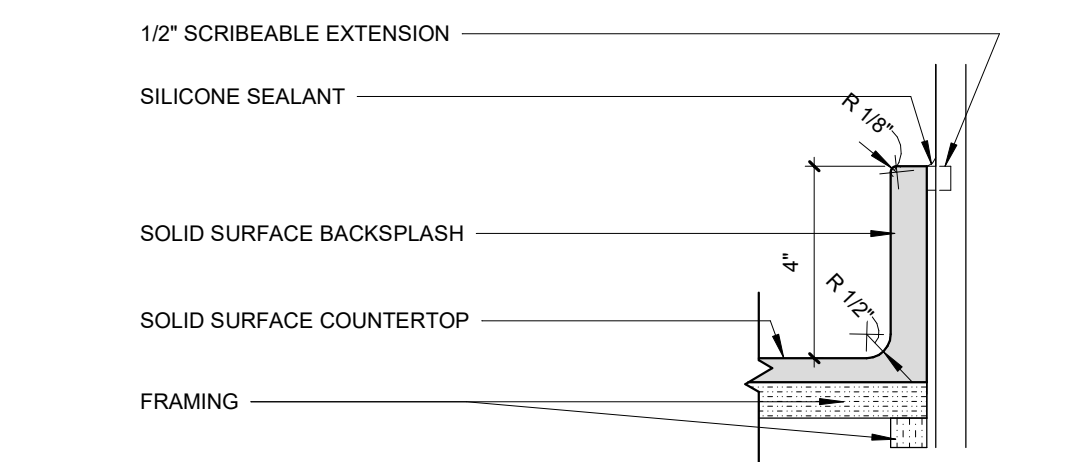
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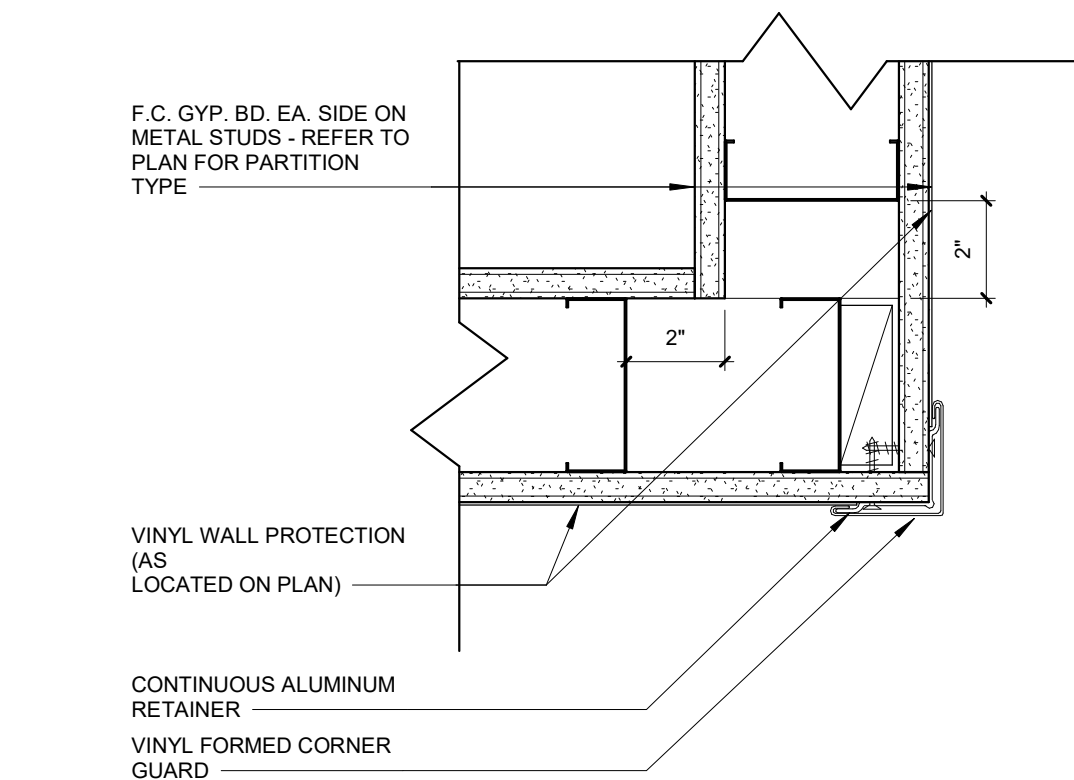
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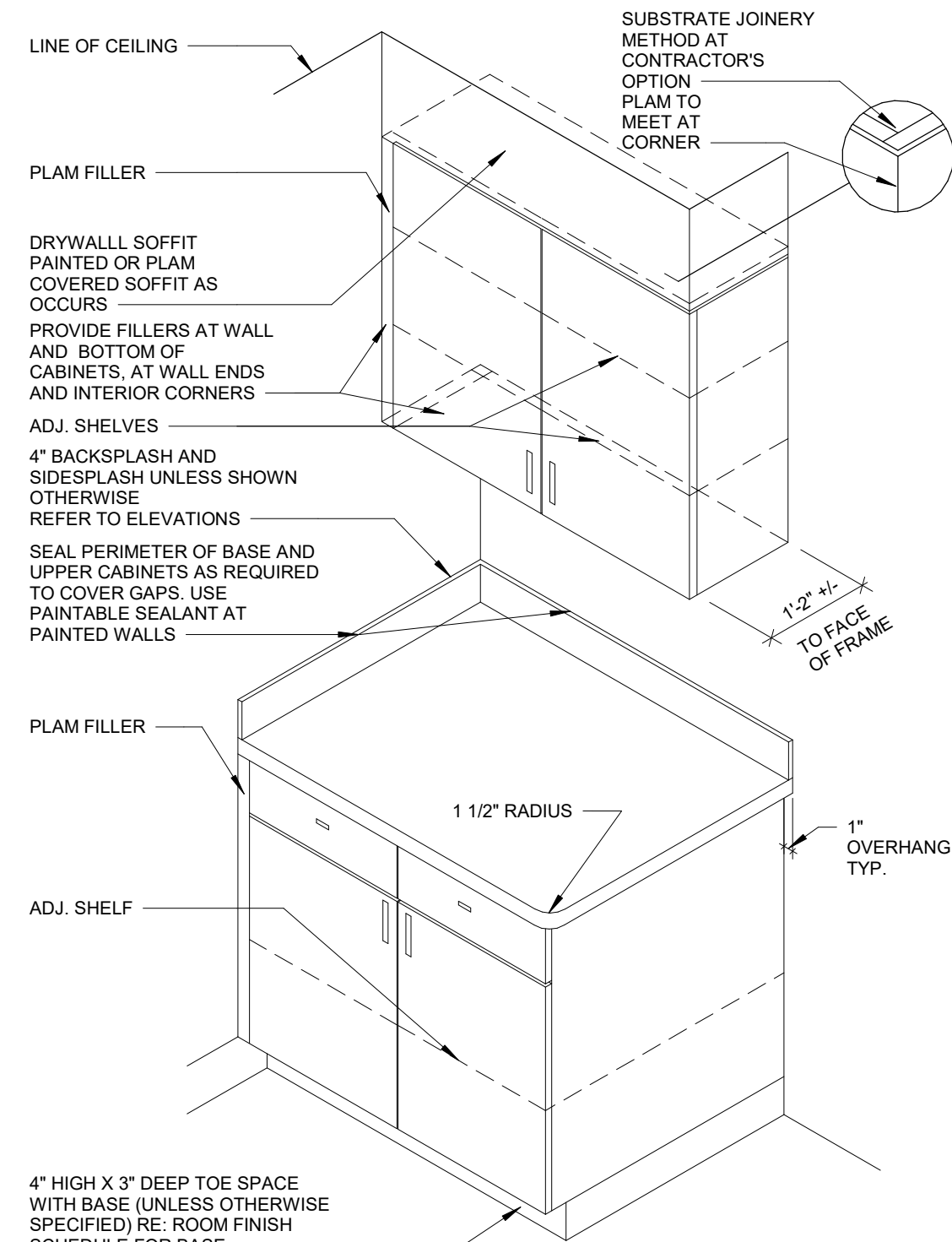
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INTERIOR DETAILS



E2 SECTION DETAIL AT SOLID SURFACE BACKSPLASH
3" = 1'-0"

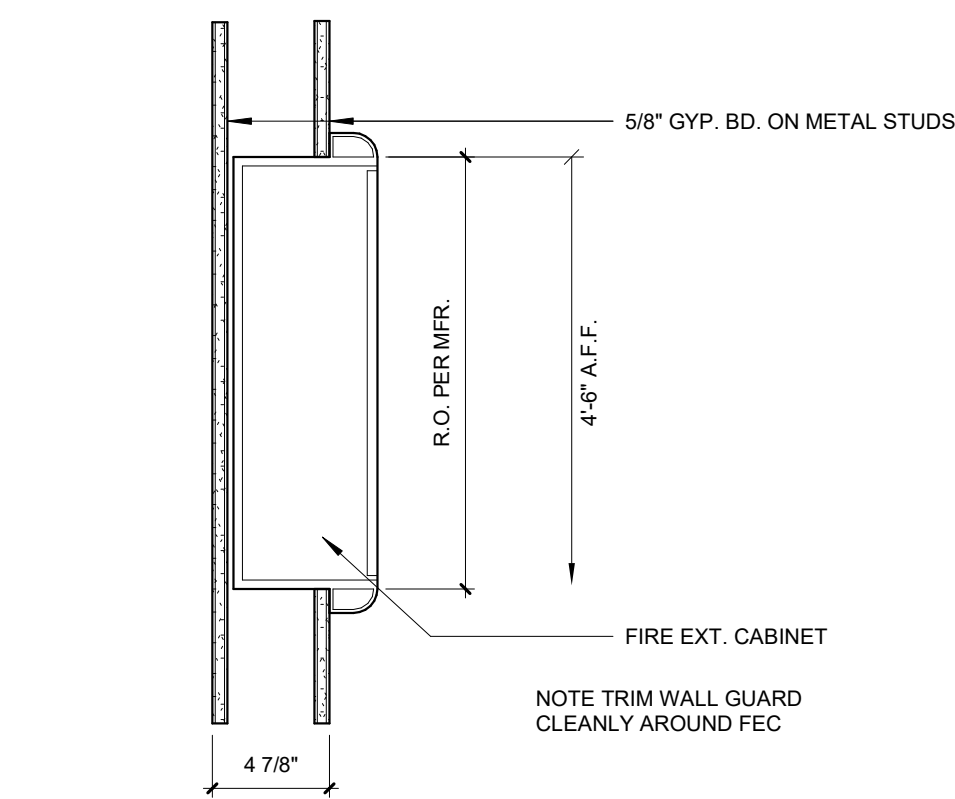


D2 TYPICAL SINGLE VINYL CORNER GUARD
3" = 1'-0"

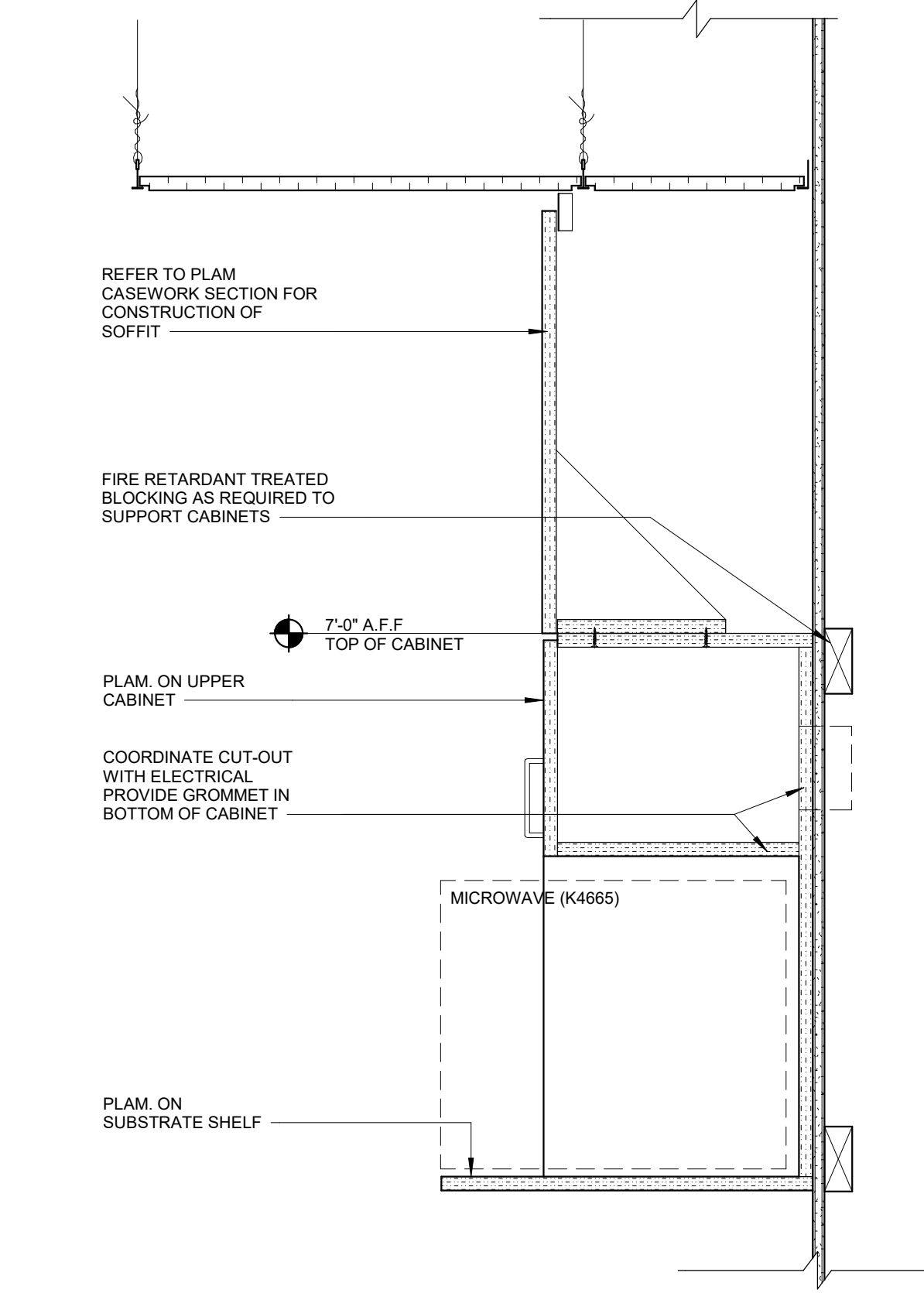


- TYP. CABINET NOTES:**
1. PROVIDE PLAM FILLER WHERE CABINETS BUTT UP TO WALLS.
 2. ALL COUNTERTOPS HAVE A 4" BACKSPLASH (MATERIAL TO MATCH COUNTERTOP) AND OUTSIDE CORNERS HAVE 1 1/2" RADIUS EXCEPT WHERE NOTED OTHERWISE.
 3. CASEWORK MFR. TO SUPPLY (2) - 2" [GROMMETS PER KNEESPACE, GROMMETS TO BE INSTALLED IN FIELD AS DIRECTED BY OWNER. COLOR TO BE SELECTED BY ARCHITECT]
 4. PLASTIC LAMINATE COUNTERTOP EDGES SHALL BE 3 MM PLASTIC. COLOR AS SELECTED BY ARCHITECT)

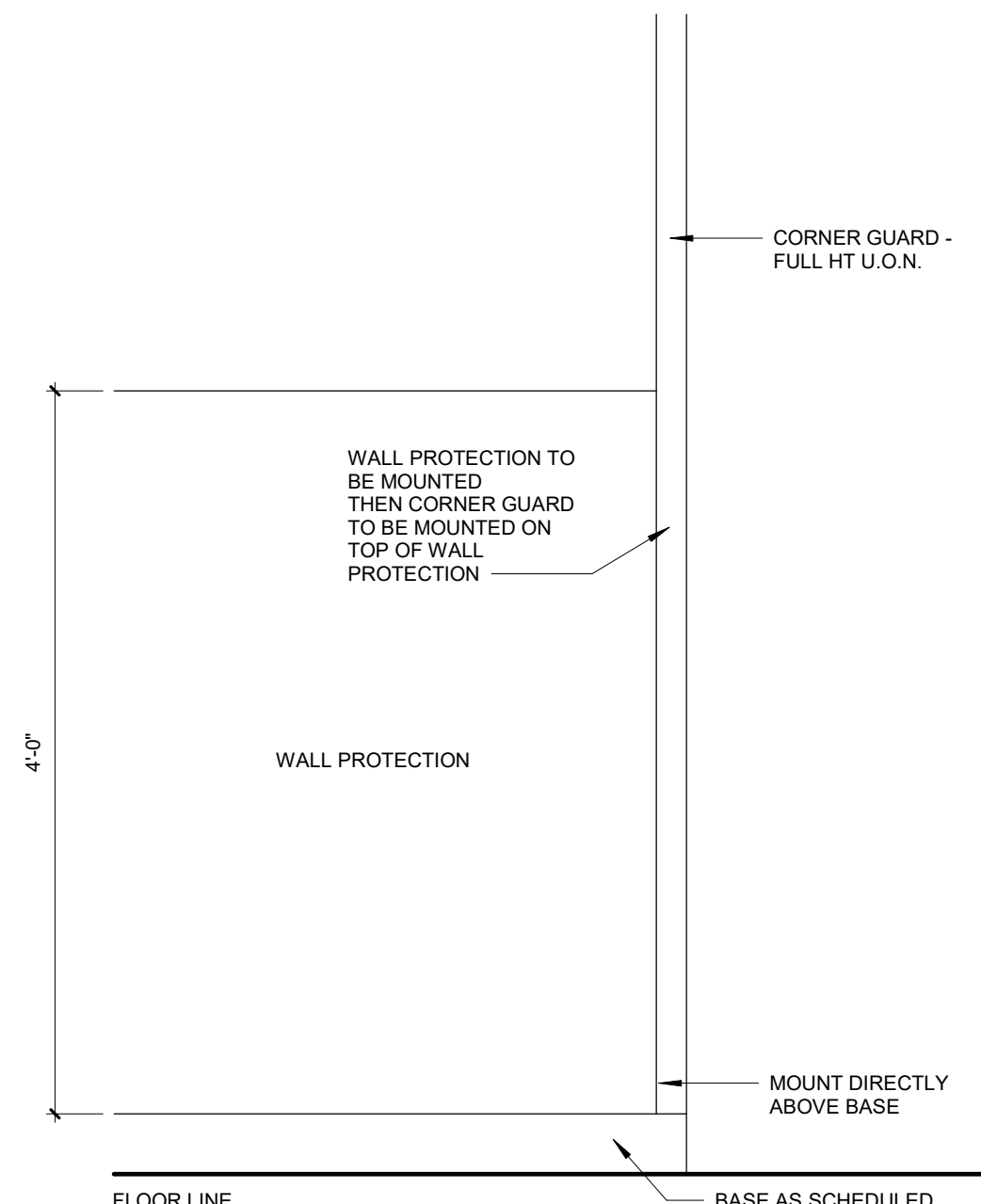
D1 CASEWORK ISOMETRIC
1 1/2" = 1'-0"



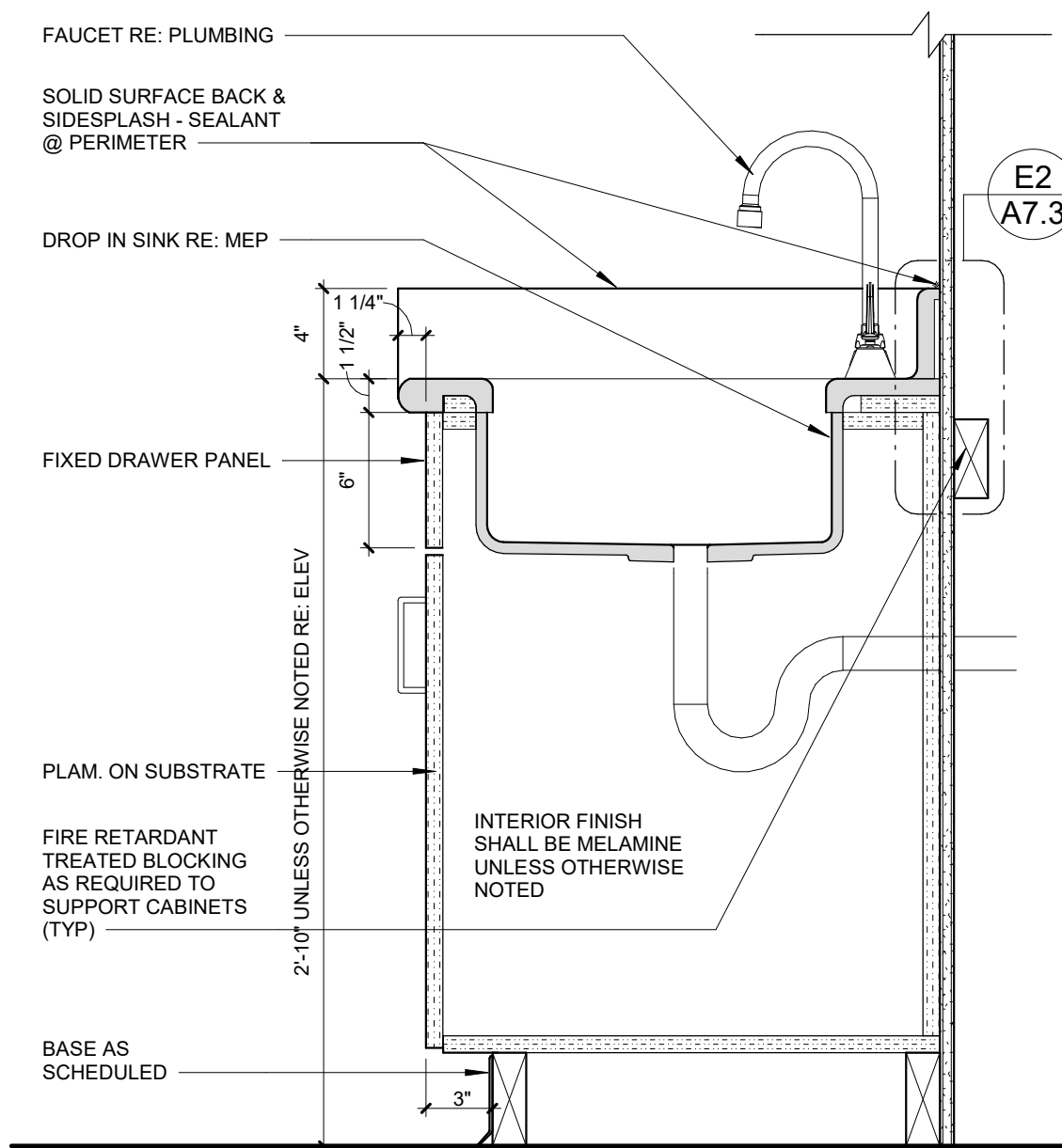
B3 SECTION - F.E.C. NON-RATED WALL CONDITION
1 1/2" = 1'-0"



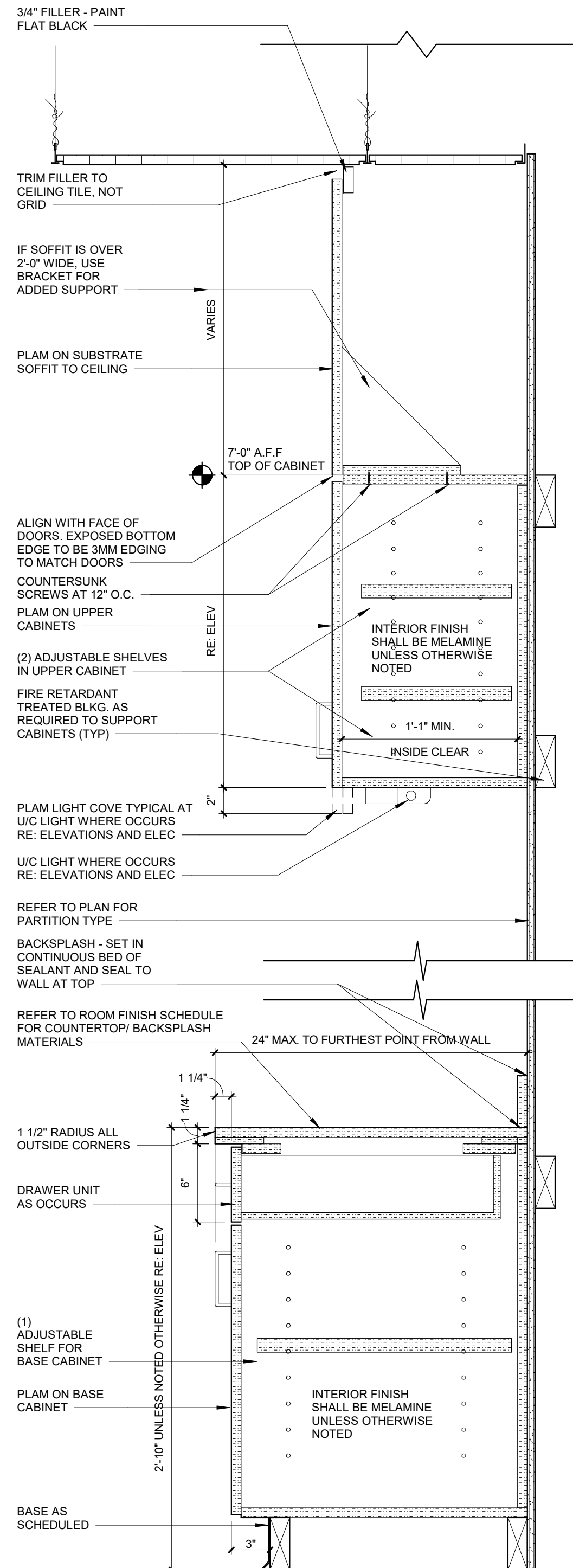
B2 WALL-MOUNTED MICROWAVE SHELF
1 1/2" = 1'-0"



A3 TYP. ELEV. OF WALL PROTECTION/CORNER GUARD
1" = 1'-0"



A2 SINK BASE CABINET SECTION
1 1/2" = 1'-0"



A1 CASEWORK SECTION
1 1/2" = 1'-0"

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1 BASEMENT PLUMBING DEMOLITION PLAN
1/8" = 1'-0"

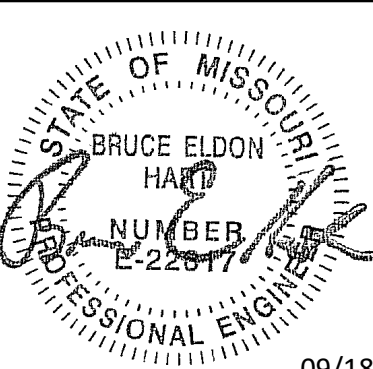


GENERAL NOTES

1 REFER TO GENERAL NOTES ON SHEET PM000 AND SHEET DP2.1.

KEYED NOTES 0

- 1 CUT 3" WASTE PIPING AND REMOVE UPSTREAM PIPING THAT SERVED SINK AND/OR FLOOR DRAIN ABOVE, INCLUDING ASSOCIATED VENT PIPING UP THRU FIRST FLOOR SLAB. SWITCH SLAB AS SPECIFIED AND PROTECT REMAINING 3" WASTE PIPING FOR NEW CONNECTION. RE: SHEET P2.0.
- 2 CUT AND CAP 2" WASTE PIPING THAT SERVED FLOOR DRAIN ABOVE.
- 3 CUT VENT PIPING BELOW SLAB AND REMOVE VENT PIPING BELOW SLAB ASSOCIATED WITH THE FLOOR DRAIN THAT IS BEING REMOVED. PROTECT VENT PIPING RISER FOR A NEW CONNECTION JUST BELOW THE SLAB. RE: SHEET P2.0.



Bruce E. Hart
Missouri #E-22817

09/18/2020

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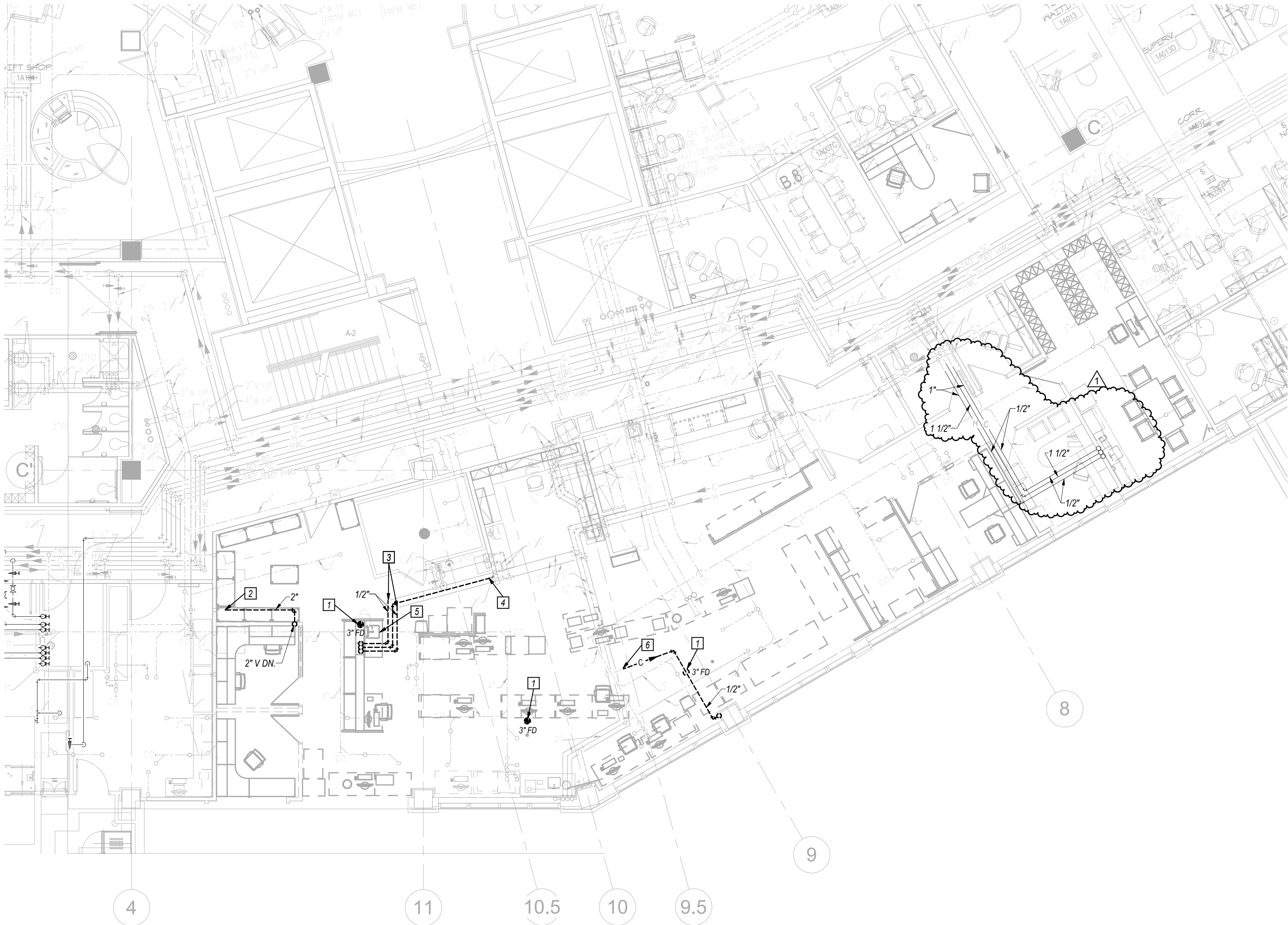
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Drawn By MJL
Checked By BEH

Revision		
Number	Date	Description

DP2.0

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PLUMBING BASEMENT DEMOLITION
PLAN



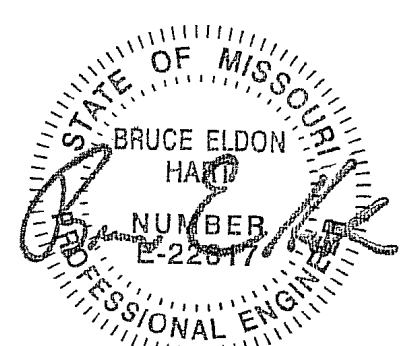
GENERAL NOTES

- 1 SEE SHEET PM001 FOR GENERAL NOTES AND SYMBOLS LISTS.
- 2 THIS PLAN SHOWS GENERAL INTENT OF DEMOLITION WORK. CONTRACTOR SHALL COORDINATE DEMOLITION WITH OWNER. THIS IS A 24-HOUR FACILITY. THEREFORE, WORK MAY NEED TO BE COMPLETED AFTER NORMAL WORKING HOURS OR DURING WEEKENDS AT NO EXTRA COST TO THE OWNER. ALL SHUTDOWNS SHALL BE COORDINATED AND SCHEDULED WITH OWNER A MINIMUM OF TWO WEEKS BEFORE BEGINNING WORK.
- 3 WORK SHOWN LIGHTLY IS EXISTING TO REMAIN. WORK SHOWN DASHED BOLD IS WORK TO BE REMOVED.
- 4 REMOVE PLUMBING FIXTURES, PIPING, DRAINS, EQUIPMENT, ETC. AS SHOWN. CAP PIPING BELOW FLOOR. BEHIND WALLS AND PATCH OPENINGS AS REQUIRED. PIPING NOT REQUIRED TO REMAIN TO BE REMOVED TO MAINS AND CAPPED. PATCH FLOOR OPENINGS NOT REQUIRED TO REMAIN TO MATCH EXISTING GRADE.
- 5 REMOVE SPRINKLER HEADS ASSOCIATED BRANCH PIPING AS REQUIRED IN REMODEL AREAS. RELOCATE SPRINKLER MAINS AS REQUIRED FOR NEW WORK.
- 6 CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO DEMOLITION.
- 7 NOT ALL DEMOLITION WORK MAY BE SHOWN. CONTRACTOR SHALL DISCONNECT AND REMOVE ALL ITEMS NOT REQUIRED TO REMAIN.
- 8 OWNER SHALL HAVE FIRST RIGHT OF REFUSAL AN ALL EQUIPMENT REMOVED.

KEYED NOTES

- 1 DISCONNECT AND REMOVE FLOOR DRAIN. PATCH SLAB AS SPECIFIED.
- 2 CUT 2" V AND REMOVE PIPING DOWN THRU SLAB THAT SERVED NEARBY FLOOR DRAIN. PATCH SLAB AS SPECIFIED. PROTECT REMAINING PIPING FOR NEW CONNECTION. RE: SHEET P2.1.
- 3 CUT 1/2" C AND 1/2" V AND REMOVE DOWNSIDE PIPING TO SINK. PROTECT REMAINING PIPING FOR NEW CONNECTIONS. RE: SHEET P2.1.
- 4 CUT AND CAP 1 1/2" V AND REMOVE PIPING THAT SERVED SINK.
- 5 DISCONNECT AND REMOVE SINK AND ACCESSORIES. REMOVE WASTE PIPING DOWN THRU SLAB AND PATCH SLAB AS SPECIFIED.
- 6 CUT AND CAP AND REMOVE DOMESTIC WATER PIPING NOT REQUIRED TO REMAIN.
- 7 NOT USED.
- 8 NOT USED.

1 FIRST FLOOR PLUMBING DEMOLITION PLAN
1/8" = 1'-0"



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RELEASE FOR
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LEE'S SUMMIT, MISSOURI
10/20/2020

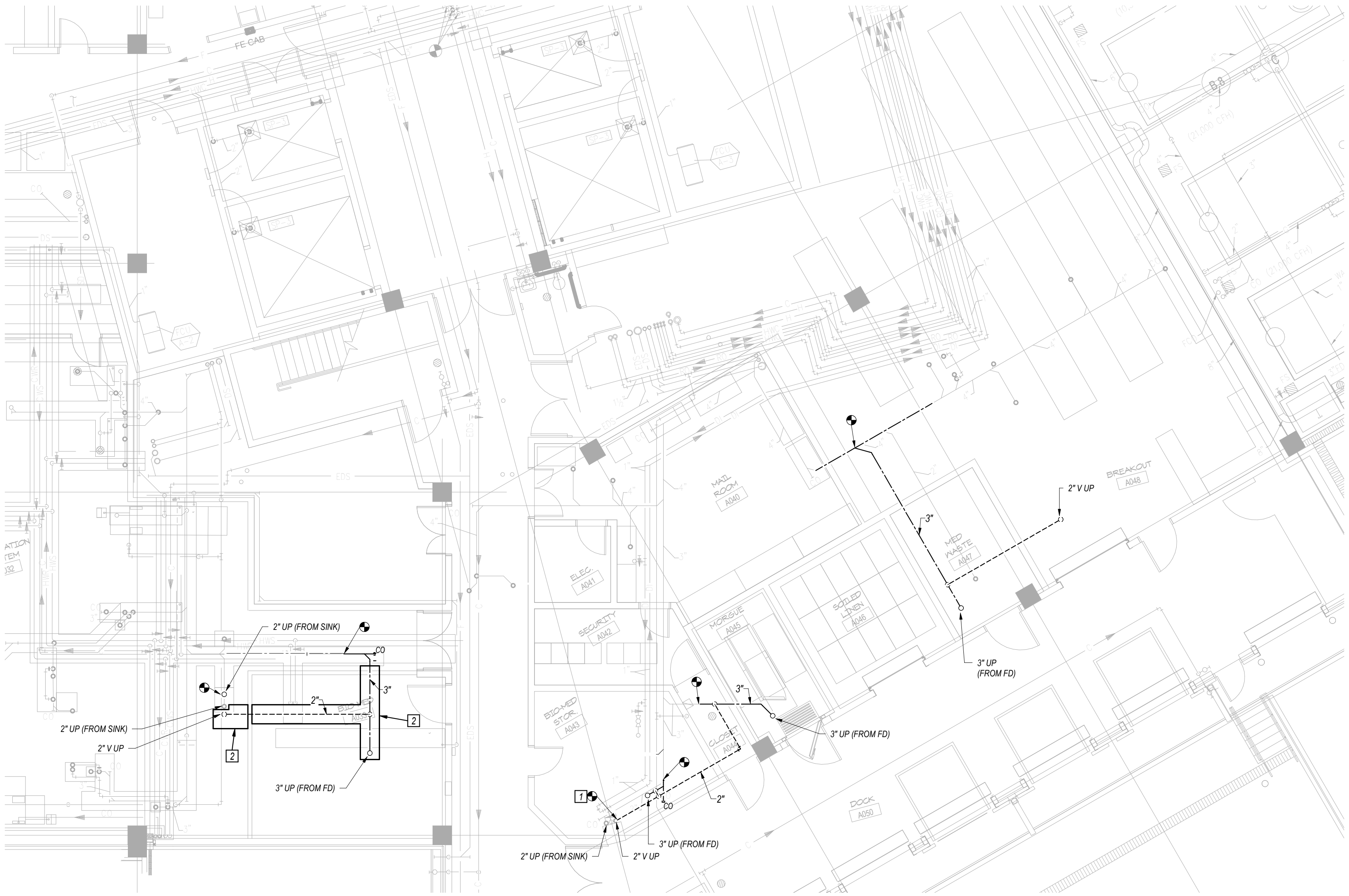
Saint Luke's
EAST HOSPITAL
LAB REMODEL
100 NE ST LUKES BLVD, LEE'S SUMMIT, MO
64086

Date 09-18-2020
Job Number 3-20030
Drawn By MJL
Checked By BEH

Revision		
Number	Date	Description
1	10.12.20	ADDENDUM #1

DP2.1

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PLUMBING FIRST FLOOR
DEMOLITION PLAN



1 BASEMENT PLUMBING PLAN
1/8" = 1'-0"

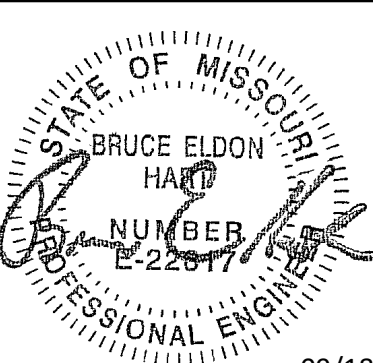


GENERAL NOTES

1 REFER TO GENERAL NOTES ON SHEET PM000 AND SHEET P2.1.

KEYED NOTES

- 1 CONNECT NEW 2" V PIPING TO EXISTING 2" V RISER JUST BELOW SLAB, WHERE IT WAS CUT DURING DEMOLITION.
- 2 SHEET METAL DRIP PAN BELOW NEW PIPING. PAN SHALL BE 24" WIDE BY 3" DEEP. CONNECT NEW SEGMENTS OF DRIP PAN TO EXISTING DRIP PANS AS REQUIRED, AND SLOPE THE NEW SEGMENTS TO DRAIN INTO THE EXISTING DRIP PANS.



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LEE'S SUMMIT, MISSOURI
10/20/2020

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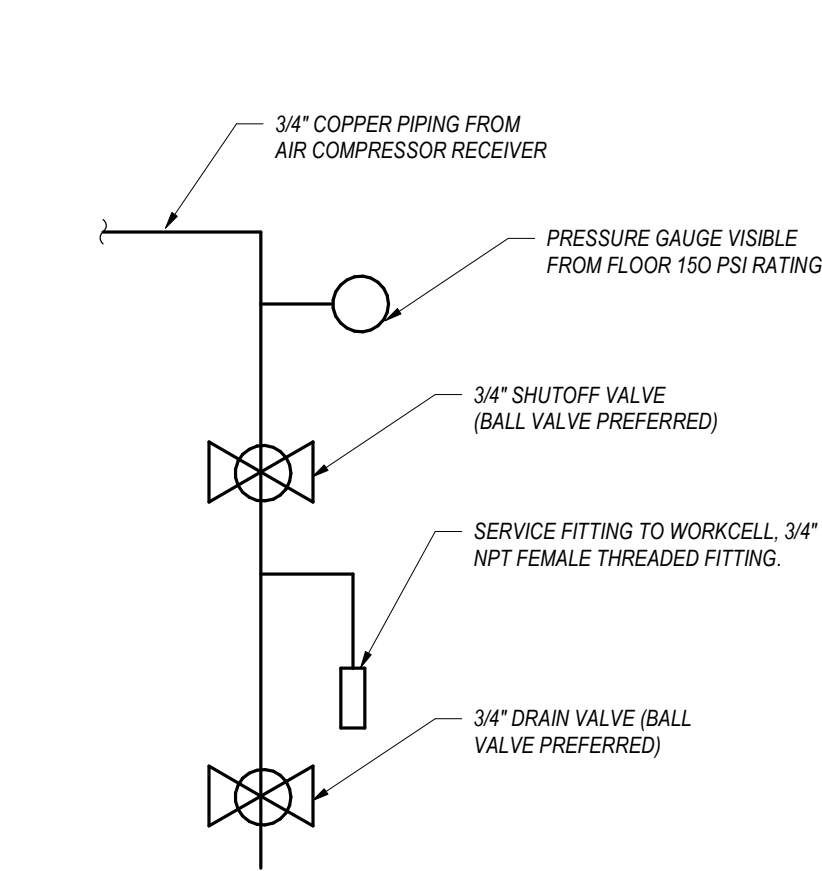
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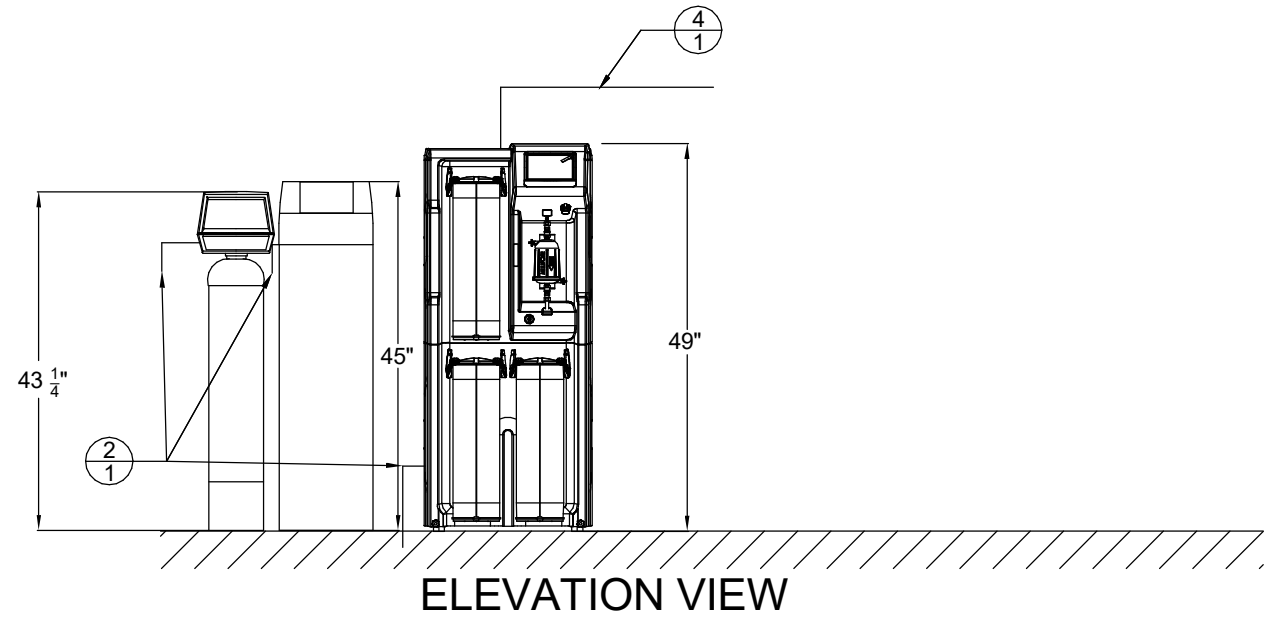
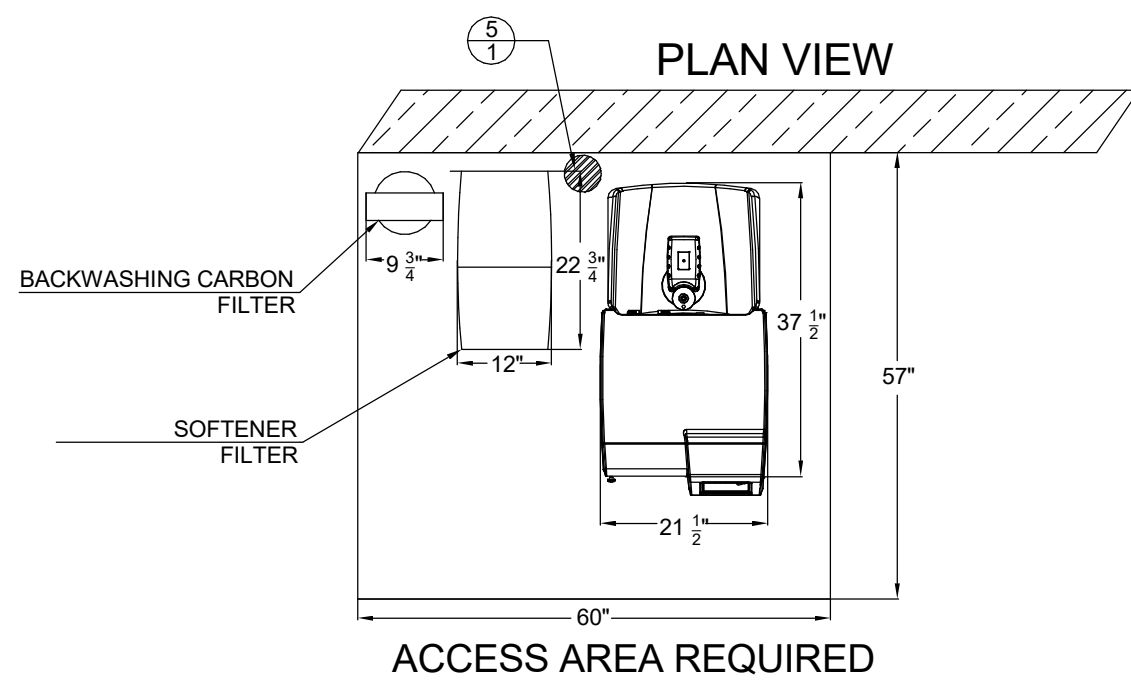
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PLUMBING BASEMENT PLAN



3
DETAIL OF COMPRESSED AIR PIPING AT
SYSTEM CONNECTION POINT
N.T.S.



INTERFACE CALL-OUT TABLE		
TAG	DESCRIPTION	LOCATION
1-1	Feed water source - provide 3/4" npt male connection with isolation ball valve. 30 LPM at 50 - 85 psi.	On wall, within 5 feet of system. If under a sink, provide 2" Ø hole in counter or casework for tubing for connection to system by MilliporeSigma
2-1	Reject from make-up system and pre-treatment	MilliporeSigma will run tubing from system to floor drain provided by contractor.
3-1	Not used.	
4-1	Distribution recirculating loop. MilliporeSigma will provide & install MAX 60 feet of 16 mm OD (10 mm ID) flexible tubing to feed analyzer(s).	Surface mounted in accessible location.
5-1	Floor drain or stand pipe by others, capable of handling 30 LPM flow.	MilliporeSigma will run tubing from system to floor drain provided by contractor.

4
DETAIL OF MILLEPORE WATER
PURIFICATION SYSTEM
N.T.S.

SPRINKLER NOTE

SPRINKLER CONTRACTOR SHALL DISCONNECT, REMOVE, AND RELOCATE ANY AND/OR ALL SPRINKLER PIPING AND SPRINKLER HEADS AS REQUIRED BY MECHANICAL, ELECTRICAL, AND GENERAL CONTRACTORS. AFTER ALL LARGER DUCTWORK AND PIPING HAVE BEEN INSTALLED, SPRINKLER CONTRACTOR SHALL REINSTALL SPRINKLER PIPING AND HEADS REQUIRED TO SPRINKLER REMODELED SPACE. SPRINKLER CONTRACTOR SHALL ALSO INSTALL NEW SPRINKLER HEADS AND/OR PIPING AS REQUIRED BY REMODEL OF SPACE. ALL SPRINKLER HEADS SHALL BE CONCEALED TYPE.

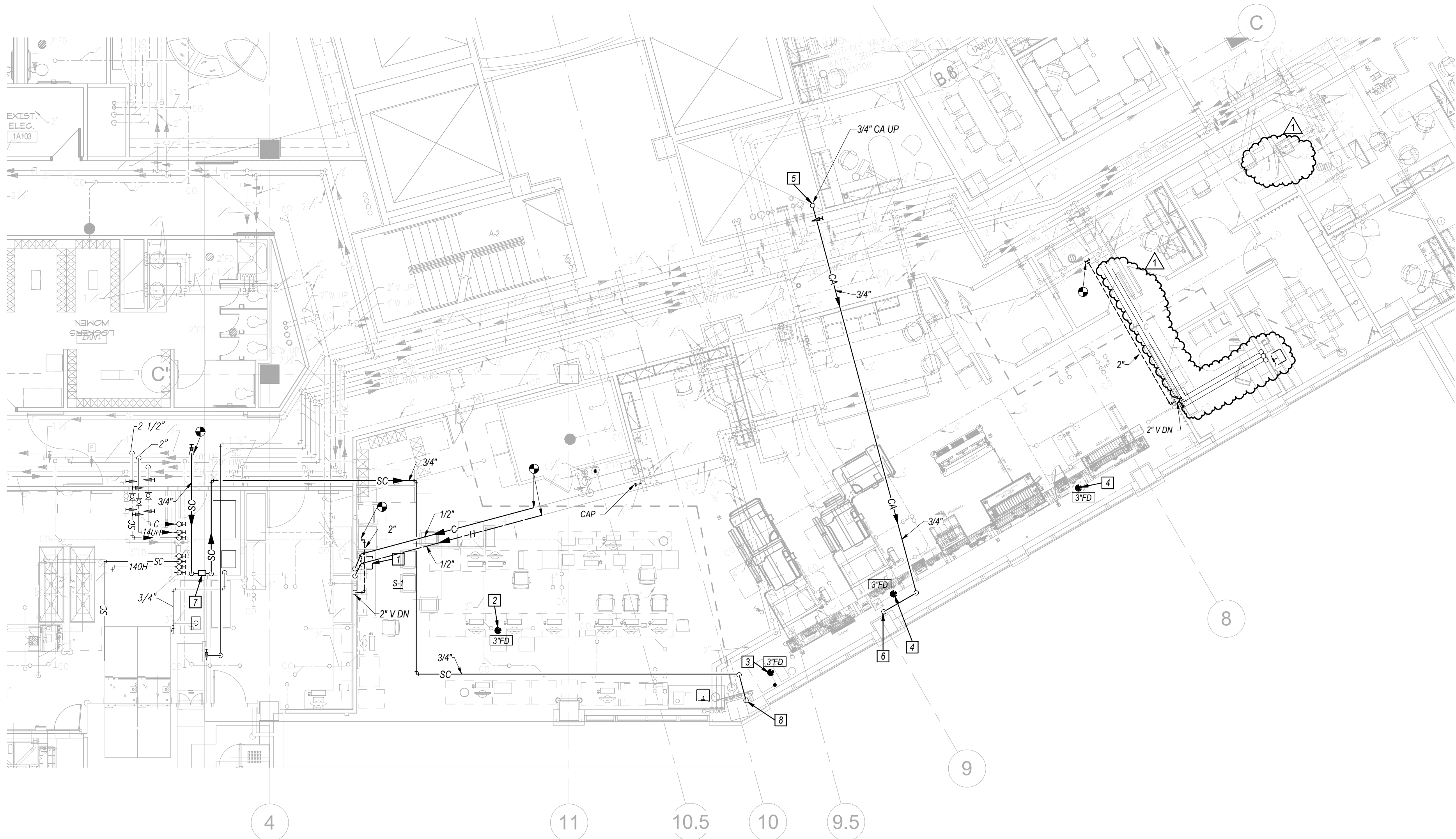
GENERAL NOTES

- SEE SHEET PM000 FOR GENERAL NOTES AND SYMBOLS LISTS.
- WORK SHOWN LIGHTLY IS EXISTING TO REMAIN. ALL NEW WORK SHOWN BOLD AND DARK.
- THIS IS A 24-HOUR FACILITY. THEREFORE, WORK MAY NEED TO BE COMPLETED AFTER NORMAL WORKING HOURS OR DURING WEEKENDS AT NO EXTRA COST TO THE OWNER. ALL SHUTDOWNS SHALL BE COORDINATED AND SCHEDULED WITH OWNER A MINIMUM OF TWO WEEKS BEFORE BEGINNING WORK.
- FIELD VERIFY ALL EXISTING PIPE SIZES AND LOCATIONS PRIOR TO STARTING WORK.
- CAREFULLY COORDINATE NEW WORK WITH EXISTING FIELD CONDITIONS AND OTHER TRADES.
- BEFORE CORE DRILLING ANY HOLES, LOCATE REBAR IN THE SLAB BY X-RAY OR WITH RMETER. IF REBAR IN ENCOUNTERED WITHIN THE PROPOSED LOCATION OF THE HOLE THEN EITHER RELOCATE THE HOLE TO MISS REBAR OR IF THE HOLE CANNOT BE RELOCATED, CONTACT STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO CORING OR DRILLING. DO NOT CORE ANY HOLES THROUGH THE BEAM WITHOUT APPROVAL OF STRUCTURAL ENGINEER.
- ALL NEW WASTE PIPING SERVING THE LAB AREA (SERVING SINKS AND FLOOR DRAINS, EXCEPT THE BREAK ROOM SINK) SHALL BE CONSIDERED "CHEMICAL WASTE PIPING". CHEMICAL WASTE PIPING AND FITTINGS SHALL BE DRIVEN "BLUE LINE" FIRE RETARDANT POLYPROPYLENE, OR APPROVED EQUAL. NEITHER CAST IRON NOR PVC IS ACCEPTABLE. ADDITIONALLY, VENT PIPING ASSOCIATED WITH THE CHEMICAL WASTE DRAINS AND LOCATED BELOW THE FIRST FLOOR SLAB SHALL BE THE SAME MATERIAL AS THE CHEMICAL WASTE PIPING.

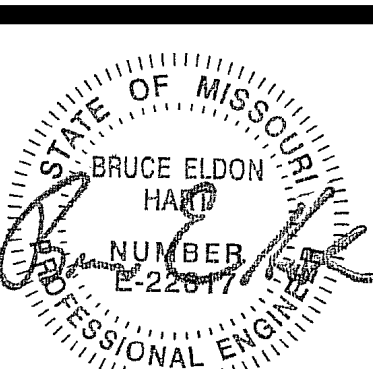
KEYED NOTES

- 1/2" C, 1/2" H AND 1 1/2" V DN IN WALL TO NEW SINK. EXTEND 2" WASTE FROM FIXTURE DOWN IN WALL AND CORE DRILL DOWN THRU SLAB.
- COORDINATE EXACT LOCATION OF NEW FLOOR DRAIN WITH OWNER PRIOR TO INSTALLATION.
- COORDINATE EXACT LOCATION OF NEW FLOOR DRAIN WITH OWNER'S WATER PURIFICATION VENDOR (MILLEPORE SIGMA) PRIOR TO INSTALLATION.
- COORDINATE EXACT LOCATION OF NEW FLOOR DRAIN WITH OWNER'S LAB AUTOMATION VENDOR (SIEMENS) PRIOR TO INSTALLATION.
- COORDINATE EXACT LOCATION OF NEW PIPING IN EXISTG UTILITY CHASE WITH OWNER/MANAGER OF FACILITIES PRIOR TO INSTALLATION. NEW PIPING SHALL NOT BLOCK ACCESS TO EXISTG VALVES OR ANY OTHER ITEMS REQUIRING ACCESS. ROUTE PIPING FROM FIRST FLOOR UP THROUGH SECOND FLOOR LEVEL (NOT SHOWING TO THIRD FLOOR LEVEL).
- 3/4" CA DOWN TO LAB AUTOMATION SYSTEM CONNECTION POINT. RE DETAIL ON THIS SHEET.
- 3/4" SOFT COLD WATER DOWN TO NEW 3/4" REDUCED-PRESSURE BACKFLOW PREVENTER MOUNTED IN ACCESSIBLE LOCATION ON WALL. EXTEND DRAIN PIPING FROM BACKFLOW PREVENTER AND TURN DOWN OVER EXISTG FLOOR DRAIN IN THIS ROOM.
- 3/4" SC DOWN TO WATER PURIFICATION SYSTEM CONNECTION POINT. RE DETAIL ON THIS SHEET.
- NOT USED.

PLUMBING FIXTURE SCHEDULE							
MARK	FIXTURE	DESCRIPTION	ACCESSORIES	MANFR AND MODEL NO.	WASTE	VENT	COLD
OM	LAB SINK	LABORATORY CRITICAL AREA SINK	ELKAY NO. 1X4-1/2" BRASS GRID STRAINER AND 1 1/2" C.P. BRASS TAILPIECE. CHICAGO FAUCET NO. 85-3170KCP. FAUCET, 4" CENTERS, NO. 0NKA-5-38" SPOUT, NO. 317-4" WROST BLADE HANDLES AND 70" FLOW CONTROL DEVICE. DEARBORN NO. 510-17 GAUGE 1-1/2" TP TRAP WITH CLEANOUT AND ESCUTCHEON, DEARBORN NO. 2712 KCW HOT AND COLD WATER COMPRESSION INLET SUPPLIES WITH STOPS.	ELKAY NO. LR-1720	2"	1 1/2"	1/2"
S-1	LABORATORY CRITICAL AREA SINK	17" X 17" 18 GAUGE NO. 303 STAINLESS STEEL SINGLE COMPARTMENT SINK WITH COVED CORNERS. SELF-RIMMED. 14-6/8" SATIN FINISH. UNDERSIDE FULLY SOUND DEADENED.					



1
PLUMBING FIRST FLOOR PLAN
1/8" = 1'-0"



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RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS
FOR DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
10/20/2020

Saint Luke's
EAST HOSPITAL

LAB REMODEL

100 NE ST LUKES BLVD, LEE'S SUMMIT, MO 64086

Date 09-18-2020
Job Number 3-20030
Drawn By MJL
Checked By BEH

Revision
Number Date Description
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P2.1

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PLUMBING FIRST FLOOR PLAN,
SCHEDULE & DETAILS

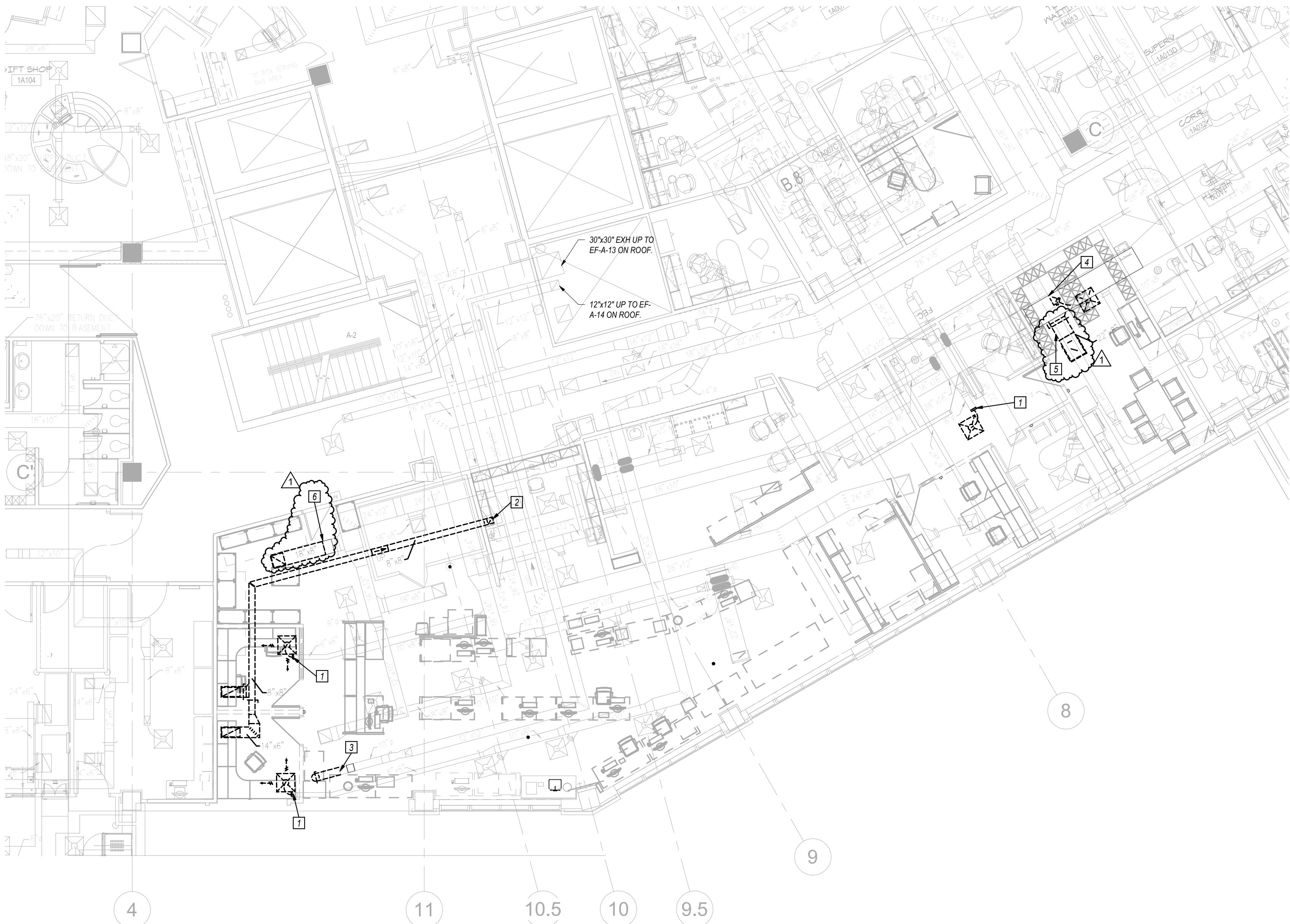


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PLUMBING AND ELECTRICAL
THIRD FLOOR PLANS

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1 FIRST FLOOR MECHANICAL DEMOLITION PLAN
1/8" = 1'-0"

GENERAL NOTES

- 1 REFER TO GENERAL NOTES ON SHEET PM001.
- 2 PRIOR TO PERFORMING DEMOLITION, TAKE AIRFLOW READINGS AT THE FOLLOWING LOCATIONS AND SUBMIT THOSE READINGS IN A WRITTEN REPORT TO THE ENGINEER:
 - *FAN SOURCE READINGS AT THE AHU-A-3 SUPPLY FAN DUCT TRAVERSE OF THE MEDIUM PRESSURE SUPPLY AIR MAIN DUCT, OUTSIDE AIR DUCT, AND RELIEF AIR DUCT. ALSO PROVIDE TOTAL UNIT STATIC PRESSURE, STATIC PRESSURE ACROSS EACH AHU SECTION/COMPONENT, FAN SPEED, MOTOR NAMEPLATE DATA, VFD FREQUENCY, MOTOR AMP READINGS, AND A DIAGRAM OF AHU & DUCTWORK SHOWING WHERE READINGS WERE TAKEN.
 - *FAN SOURCE READINGS AT THE ASSOCIATED RETURN FAN DUCT TRAVERSE FOR THE RETURN AIR MAIN DUCT. ALSO PROVIDE STATIC PRESSURE, FAN SPEED, MOTOR NAMEPLATE DATA, VFD FREQUENCY, AND MOTOR AMP READING.
 - *FAN SOURCE READINGS AT THE EF-A-13 GENERAL LABORATORY EXHAUST FAN (LOCATED ON HIGH ROOF BETWEEN THE ELEVATORS). PROVIDE FAN NAMEPLATE DATA & SERIAL NUMBER, AIRFLOW RATE, STATIC PRESSURE, FAN SPEED, MOTOR NAMEPLATE DATA, VFD FREQUENCY (IF APPLICABLE), AND MOTOR AMP READING.
 - *FAN SOURCE READINGS AT THE EF-A-14 BIOSAFETY CABINET EXHAUST FAN (LOCATED ON HIGH ROOF BETWEEN THE ELEVATORS). PROVIDE FAN NAMEPLATE DATA & SERIAL NUMBER, AIRFLOW RATE, STATIC PRESSURE, FAN SPEED, MOTOR NAMEPLATE DATA, VFD FREQUENCY (IF APPLICABLE), AND MOTOR AMP READING.
 - *GRILLE, REGISTER, AND DIFFUSER (GRD) READINGS AT ALL EXISTING GRDS SERVING THE ENTIRE LABORATORY AREA, INCLUDING THE OPEN LAB AREA, ASSOCIATED OFFICES, BLOOD BANK AREAS, RECEPTION/DRAW, BREAK ROOM, AND TOILET ROOM. TAKE READINGS AT ALL EXISTING GRDS, WHETHER THEY ARE SHOWN ON THESE PLANS OR NOT.
 - *BIOSAFETY CABINET (BSC) EXHAUST AIRFLOW READING, FROM THE EXISTING BSC IN THE LAB AREA.
- 3 THIS PLAN SHOWS GENERAL INTENT OF DEMOLITION WORK. CONTRACTOR SHALL COORDINATE DEMOLITION WITH OWNER. THIS IS A 24 HOUR OPERATING FACILITY, SO SOME WORK MAY NEED TO BE COMPLETED AFTER NORMAL WORKING HOURS OR ON WEEKENDS AT NO EXTRA COST TO OWNER. SYSTEM SHUT DOWNS SHALL BE COORDINATED AND SCHEDULED WITH OWNER.
- 4 WORK SHOWN LIGHTLY IS EXISTING TO REMAIN. WORK SHOWN DASHED BOLD IS WORK TO BE REMOVED.
- 5 CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO DEMOLITION.
- 6 NOT ALL DEMOLITION WORK MAY BE SHOWN. CONTRACTOR SHALL DISCONNECT AND REMOVE ALL ITEMS NOT REQUIRED TO REMAIN.
- 7 DUE TO CONTINUED OPERATION OF EXISTING FACILITY, DEMOLITION MAY HAVE TO BE COMPLETED IN PHASES. COORDINATE PHASING OF WORK WITH OWNER.
- 8 MOST DIFFUSERS AND GRILLES IN PROJECT AREA ARE SHOWN LIGHTLY AS EXISTING TO REMAIN. HOWEVER, WHERE REQUIRED FOR GENERAL CONSTRUCTION OR OTHER WORK ABOVE CEILINGS, CONTRACTOR SHALL TEMPORARILY DISCONNECT DIFFUSERS/GRILLES AND/OR COVER OPENINGS, THEN CLEAN AND RE-INSTALL IN CEILING GRIDS PRIOR TO OCCUPANCY. PROVIDE NEW FLEXIBLE DUCTS AS REQUIRED.

KEYED NOTES

- 1 DISCONNECT AND REMOVE FLEX DUCT SERVING SUPPLY DIFFUSER. CLEAN DIFFUSER AND RE-LOCATE AS INDICATED ON SHEET M2.1. PROTECT REMAINING DUCT FOR NEW CONNECTION. RE: SHEET M2.1.
- 2 DISCONNECT RETURN AIR BRANCH DUCT AND CAP MAIN DUCT AIR TIGHT. DISCONNECT EXHAUST DUCT AND RELOCATE UPSTREAM DUCTWORK FROM BIOSAFETY CABINET(BSC). PROTECT THE SHEET METAL TRANSITION BELOW THE CEILING FOR RELOCATION AND RE-USE AT NEW LOCATION OF BSC. PROTECT REMAINING DUCTWORK FOR NEW CONNECTION. RE: SHEET M2.1.
- 3 DISCONNECT AND REMOVE SUPPLY DIFFUSER AND CAP ASSOCIATED SUPPLY AIR MAIN DUCT.
- 4 DISCONNECT AND REMOVE RETURN AIR DUCT AND GRILLE AS INDICATED. PATCH MAIN DUCT AS REQ'D TO PREPARE FOR NEW CONNECTIONS. RE: SHEET M2.1.
- 5 CUT AND REMOVE EXHAUST DUCT BUT PROTECT THE ASSOCIATED GRILLE. CLEAN THE GRILLE AND RELOCATE IT AS REQ'D TO KEEP IT OUT OF THE TEMPORARY BREAK ROOM AREA. RE: ARCHITECTURAL PHASING PLAN SHEET AP2.1 AND SHEET M2.1.
- 6 CUT AND REMOVE EXHAUST DUCT BUT PROTECT THE ASSOCIATED GRILLE. CLEAN THE GRILLE AND RELOCATE IT AS REQ'D TO KEEP IT OUT OF THE TEMPORARY BREAK ROOM AREA. RE: ARCHITECTURAL PHASING PLAN SHEET AP2.1 AND SHEET M2.1.

STATE OF MISSOURI

BRUCE ELDON

HAND

NUMBER

PROFESSIONAL ENGINEER

09/18/2020

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RELEASE FOR CONSTRUCTION

AS NOTED ON PLAN, OWNER DEVELOPMENT SERVICES, LEE'S SUMMIT, MISSOURI

10/20/2020

Saint Luke's

EAST HOSPITAL

LAB REMODEL

100 NE ST LUKES BLVD, LEE'S SUMMIT, MO 64086

Date09-18-2020

Job Number3-20030

Drawn ByMJL

Checked ByBEH

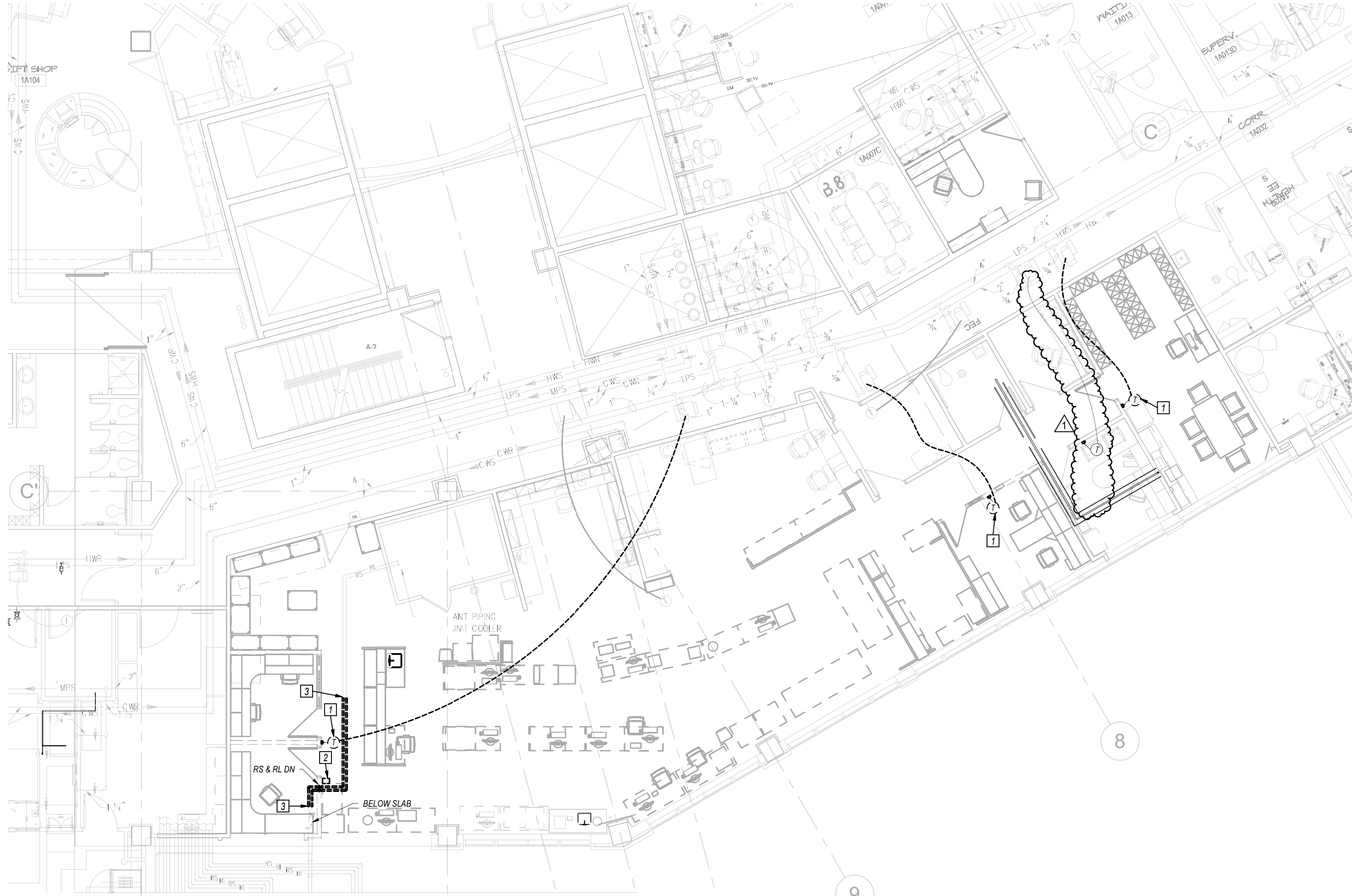
Revision

Number	Date	Description
1	10.12.20	ADDENDUM #1

DM2.1

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MECHANICAL FIRST FLOOR DEMOLITION PLAN



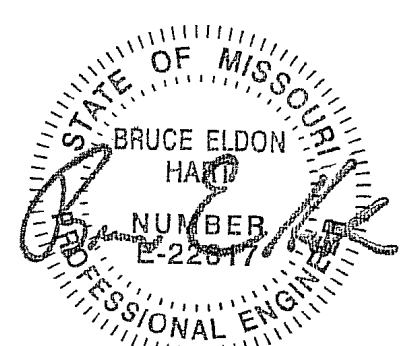
GENERAL NOTES

- 1 SEE SHEET PM000 FOR GENERAL NOTES AND SYMBOLS LISTS.
- 2 THIS PLAN SHOWS GENERAL INTENT OF DEMOLITION WORK. CONTRACTOR SHALL COORDINATE DEMOLITION WITH OWNER. THIS IS A 24-HOUR FACILITY. THEREFORE, WORK MAY NEED TO BE COMPLETED AFTER NORMAL WORKING HOURS OR DURING WEEKENDS AT NO EXTRA COST TO THE OWNER. ALL SHUTDOWNS SHALL BE COORDINATED AND SCHEDULED WITH OWNER A MINIMUM OF TWO WEEKS BEFORE BEGINNING WORK.
- 3 WORK SHOWN LIGHTLY IS EXISTING TO REMAIN. WORK SHOWN DASHED BOLD IS WORK TO BE REMOVED.
- 4 CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO DEMOLITION.
- 5 NOT ALL DEMOLITION WORK MAY BE SHOWN. CONTRACTOR SHALL DISCONNECT AND REMOVE ALL ITEMS NOT REQUIRED TO REMAIN.

KEYED NOTES 0

- 1 DISCONNECT THERMOSTAT AND RELOCATE AS INDICATED ON SHEET MP2.1. REMOVE ANY CONTROL WIRING THAT CANNOT BE RE-USED.
- 2 DISCONNECT FUME HOOD MONITOR FOR BIOLOGICAL SAFETY CABINET AND RELOCATE AS INDICATED ON SHEET MP2.1. REMOVE ANY CONTROL WIRING THAT CANNOT BE RE-USED.
- 3 CUT REFRIGERANT PIPING THAT SERVES LAB COOLER AND REMOVE VERTICAL RISERS IN WALL AND A PORTION OF HORIZONTAL PIPING BOTH ABOVE CEILING AND BELOW SLAB. PATCH SLAB AS SPECIFIED. PROTECT REMAINING PIPING FOR NEW CONNECTIONS. RE: SHEET MP2.1.

MECHANICAL PIPING FIRST FLOOR DEMOLITION
1 PLAN
1/8" = 1'-0"



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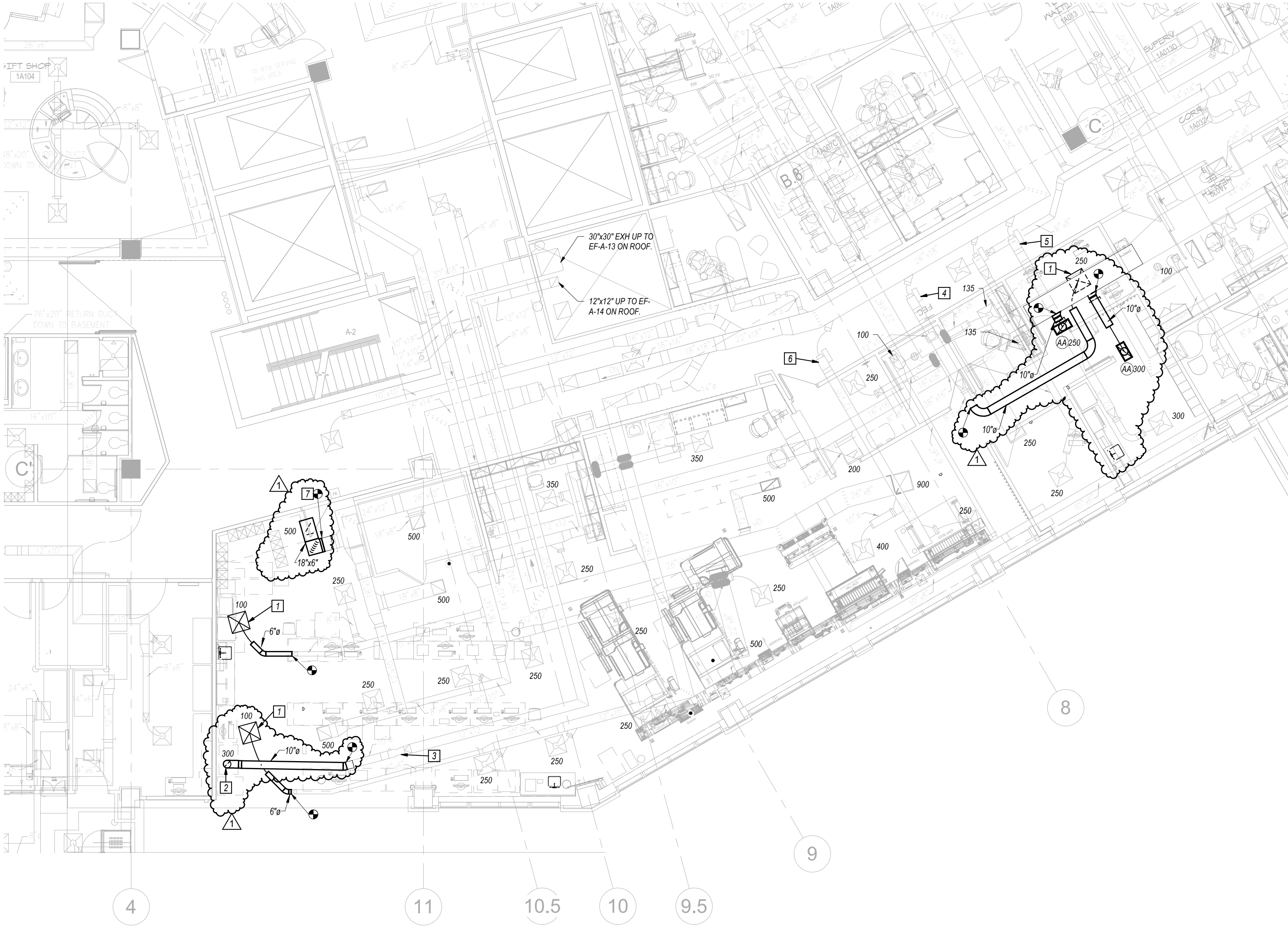
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MECHANICAL PIPING FIRST FLOOR
DEMOLITION PLAN



1 MECHANICAL FIRST FLOOR PLAN
1/8" = 1'-0"



GENERAL NOTES

- 1 REFER TO GENERAL NOTES ON SHEET PM000 AND DM1.
- 2 THIS IS A 24 HOUR OPERATING FACILITY. SO SOME WORK MAY NEED TO BE COMPLETED AFTER NORMAL WORKING HOURS OR ON WEEKENDS AT NO EXTRA COST TO OWNER. SYSTEM SHUTDOWNS SHALL BE COORDINATED AND SCHEDULED WITH OWNER.
- 3 DUE TO CONTINUED OPERATION OF EXISTING FACILITY. NEW WORK MAY HAVE TO BE COMPLETED IN PHASES. COORDINATE PHASING OF WORK WITH OWNER.
- 4 WORK SHOWN LIGHTLY IS EXISTING TO REMAIN. WORK SHOWN BOLD IS NEW WORK.
- 5 TEST, ADJUST AND BALANCE EXISTING AIR HANDLING UNIT AHU-A-3 AND ITS RETURN FAN. AND MAKE ADJUSTMENTS TO THE SUPPLY AIR STATIC PRESSURE SETPOINT AND THE RETURN FAN AIRFLOW OFFSET VALUE AS REQUIRED. COORDINATE WITH ENGINEER AS REQUIRED.
- 6 TEST, ADJUST AND BALANCE EXISTING LABORATORY EXHAUST FAN EF-A-13 TO NEW DESIGN AIRFLOW RATE OF 4100 CFM. PROVIDE AND INSTALL NEW BELTS AND SHEAVES ON FAN AS REQUIRED TO ACHIEVE THE NEW DESIGN AIRFLOW RATE.
- 7 TEST, ADJUST, AND BALANCE ALL SUPPLY DIFFUSERS, RETURN GRILLES, AND EXHAUST GRILLES IN THE LAB AREA AND SUBMIT A WRITTEN REPORT TO THE ENGINEER. THIS INCLUDES SUPPORTING SPACES SUCH AS OFFICES, BLOOD BANK AREAS, RECEPTION/DRAW, BREAKROOM, AND TOILET ROOM. INCLUDE A PLAN IN THE REPORT SHOWING LOCATION OF EACH INDIVIDUAL DIFFUSER/GRILLE AND ITS AIRFLOW READING.
- 8 UPGRADE THE EXISTING BUILDING MANAGEMENT SYSTEM (BMS) WITH NEW GRAPHICS TO SHOW THE NEW FLOOR PLAN AND NEW THERMISTAT LOCATIONS.

KEYED NOTES

- 1 NEW LOCATION FOR DIFFUSER THAT WAS DISCONNECTED DURING DEMOLITION. BALANCE TO AIRFLOW RATE (CFM) INDICATED.
- 2 TURN 10" DIA. RIGID EXHAUST DUCT DOWN THRU CEILING AND RE-INSTALL THE SHEET METAL TRANSITION THAT WAS DISCONNECTED DURING DEMOLITION TO SERVE THE RELOCATED BIOLOGICAL SAFETY CABINET(BSC). INSTALL THE TRANSITION DIRECTLY ABOVE THE TOP OUTLET OF THE BSC. WITH AS SMALL AIR GAT TO MAKE AN INDIRECT CONNECTION.
- 3 ADJUST EXIST'G EXHAUST AIR VALVE TO AIRFLOW RATE AS REQUIRED FOR THE EXIST'G BSC (300 CFM OR AS REQUIRED BY BSC MANUFACTURER).
- 4 ADJUST EXIST'G SINGLE DUCT BOX TO NEW MAX. AIRFLOW RATE OF 635 CFM.
- 5 ADJUST EXIST'G SINGLE DUCT BOX TO NEW MAX. AIRFLOW RATE OF 300 CFM.
- 6 ADJUST EXIST'G SINGLE DUCT BOX TO NEW MAX. AIRFLOW RATE OF 600 CFM. CONNECT TO EXIST'G EXHAUST DUCT AND RE-INSTALL GRILLE THAT WAS DISCONNECTED DURING DEMOLITION. ENSURE THE NEW LOCATION IS OUTSIDE OF THE TEMPORARY BREAK ROOM AREA. RE: ARCHITECTURAL PHASING PLAN SHEET AP21.

DIFFUSER AND GRILLE SCHEDULE									
PLAN MARK	SERVICE	MANUFACTURER	MODEL	STYLE	FACE SIZE (IN.)	NECK SIZE (IN.)	BORDER TYPE	FINISH	REMARKS
AA	RETURN	TITUS	23RL	LOUVERED FACE 45 DEGREE DEFLECTION	24x12	22x10	LAY-IN	COLOR AS DIRECTED BY ARCHITECT	

STATE OF MISSOURI
BRUCE ELDON
HART
LICENSED PROFESSIONAL ENGINEER

09/18/2020

Bruce E. Hart
Missouri #E-22817

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LEE'S SUMMIT, MISSOURI
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M2.1

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MECHANICAL FIRST FLOOR PLAN
AND SCHEDULE



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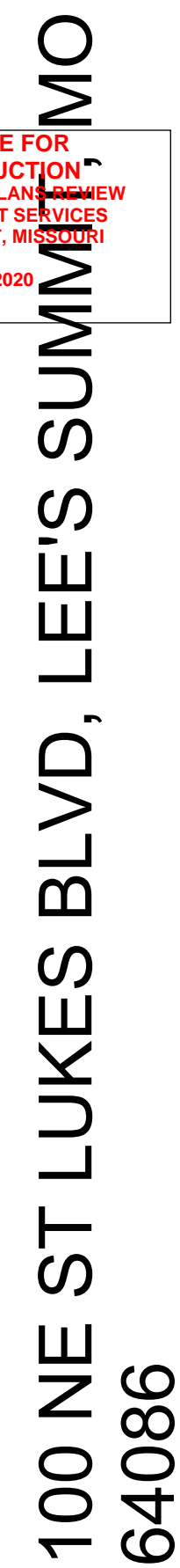
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1 SEE SHEET PM000 FOR GENERAL NOTES AND SYMBOLS LISTS

- 2 WORK SHOWN LIGHTLY IS EXISTING TO REMAIN. ALL NEW WORK SHOWN BOLD AND DARK
- 3 THIS IS A 24-HOUR FACILITY. THEREFORE, WORK MAY NOT BE COMPLETED AFTER
NORMAL WORKING HOURS OR DURING WEEKENDS AT NO EXTRA COST TO THE OWNER.
ALL SHUTDOWNS SHALL BE COORDINATED AND SCHEDULED WITH THE OWNER A MINIMUM OF
TWO WEEKS BEFORE BEGINNING WORK.
- 4 FIELD VERIFY ALL EXISTING PIPE SIZES AND LOCATIONS PRIOR TO STARTING WORK.
- 5 CAREFULLY COORDINATE NEW WORK WITH EXISTING FIELD CONDITIONS AND OTHER
TRAFFIC.
- 6 BEFORE CORE DRILLING ANY HOLE, LOCATE REBAR IN THE SLAB BY X-RAY or with
PACIFIC. IF REBAR IS ENCOUNTERED WITHIN THE PROPOSED LOCATION OF THE HOLE
THEN EITHER ELONGATE THE HOLE TO MISS REBAR OR IF THE OWNER CANNOT BE
RELOCATED, CONTACT STRUCTURAL ENGINEER FOR APPROVAL, PRIOR TO CORING OR
DRILLING. DO NOT CORE ANY FLOOR THROUGH THE SLAB WITHOUT APPROVAL OF
STRUCTURAL ENGINEER.

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- 1 NEW LOCATION FOR THERMOSTAT WAS DISCONNECTED DURING DEMOLITION. COORDINATE EXACT LOCATION WITH ARCHITECT. PROVIDE AND INSTALL NEW CONTROL WIRING AS REQUIRED. TEST DEVICE FOR ACCURACY AND CALIBRATE OR REPLACE AS REQUIRED.
- 2 NEW LOCATION FOR FUME HOOD MONITOR THAT WAS DISCONNECTED DURING DEMOLITION. COORDINATE EXACT LOCATION WITH ARCHITECT. PROVIDE AND INSTALL NEW CONTROL WIRING AS REQUIRED. TEST DEVICE FOR PROPER OPERATION AND REPAIR OR REPLACE AS REQUIRED. DEVICE SHALL SIGNAL A LOCAL ALARM UPON LOSS OF EXHAUST AIRFLOW AT NEARBY BIOHAZARD SAFETY CABINET (BSC).
- 3 SIZE NEW REFRIGERANT PIPING PER EQUIPMENT MANUFACTURER RECOMMENDATIONS. INSULATE PIPING USING A 1" THICK FLEXIBLE ELASTOMERIC PIPE JOINT WITH VAPOR BARRIER. CHARGE REFRIGERANT SYSTEM WITH NEW REFRIGERANT AS REQUIRED.



RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
10/20/2020

Date	09-18-2020
Job Number	3-20030
Drawn By	MJL
Checked By	BEH

Revision		
Number	Date	Description
1	10.12.20	ADDENDUM #1

MP2.1

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MECHANICAL PIPING FIRST FLOOR
PLAN

ELECTRICAL SYMBOLS LIST
(ALL MAY NOT APPLY)

POWER SYMBOLS

	HOMERUN TO SOURCE AS NOTED
	CONDUIT IN WALL OR CEILING CONSTRUCTION WITH ONE PHASE WIRE, ONE NEUTRAL WIRE AND ONE GROUND WIRE
	CONDUIT WITH WIRING (TWO PHASE WIRES, NEUTRAL AND GROUND WIRE)
	CONDUIT WITH #10 WIRE THROUGHOUT ENTIRE CIRCUIT
	PARTIAL CIRCUIT, HOMERUN TO SOURCE AS NOTED
	LOW VOLTAGE WIRING
	EXISTING CONDUIT WITH NEW WIRE
	PANELBOARD (DOUBLE LINE INDICATES FRONT OF PANELBOARD)
	DISCONNECTING SWITCH
	COMB. MOTOR STARTER AND DISC. SWITCH
	NF DENOTES NON-FUSED
	VARIABLE FREQUENCY DRIVE
	TEMPERATURE CONTROL PANEL
	MOTOR CONNECTION
	MECHANICAL VAV BOX
	MECHANICAL MIXING BOX
	TRANSFORMER
	SINGLE RECEPTACLE
	DUPLEX CONVENIENCE RECEPTACLE
	FOURPLEX CONVENIENCE RECEPTACLE
	HEAVY DUTY OUTLET - WITH NEMA CONFIGURATION
	CONVENIENCE RECEPTACLE - TOP HALF SWITCHED
	GROUND FAULT CIRCUIT INTERRUPTER
	ISOLATED GROUND RECEPTACLE
	CONVENIENCE RECEPTACLE - MOUNTED HORIZONTALLY
	NUMBER INDICATES MOUNTING HEIGHT OF DEVICE CENTER LINE ABOVE FLOOR IF OTHER THAN SPECIFIED HEIGHT
	ELECTRIC WATER COOLER
	JUNCTION BOX FOR ELECTRIC WATER COOLER
	FLOOR OUTLET - DUPLEX RECEPTACLE
	FLOOR OUTLET - FOURPLEX RECEPTACLE
	CEILING DROP
	FLOOR POKE THROUGH - DUPLEX RECEPTACLE
	JUNCTION BOX
	WALL MOUNTED JUNCTION BOX
	JUNCTION BOX MOUNTED OVER CEILING
	FLOOR JUNCTION BOX
	ELECTRIC THERMOSTAT - WALL MOUNTED
	PUSHBUTTON - WALL MOUNTED
	PUSHBUTTON WITH PILOT LIGHT
	BELL OR BUZZER
	SINGLE CIRCUIT PLUGMOLD
	TWO CIRCUIT PLUGMOLD
	SURFACE RACEWAY
	BUSHING AT END OF CONDUIT
	INDICATES DEVICE THAT SHALL BE MOUNTED ABOVE OR OTHER THAN SPECIFIED HEIGHT REFER TO ARCHITECTURAL DETAILS AND ELEVATIONS AND COORDINATE EXACT LOCATION OF DEVICE. WHERE DEVICES ARE NOT SHOWN IN ARCHITECTURAL DETAILS, CONTRACTOR SHALL CONFORM EXACT MOUNTING LOCATION WITH ARCHITECT.
	INDICATES LIGHT OR DEVICE CONNECTED TO EMERGENCY POWER OR FURNISHED WITH A BATTERY PACK CONNECTED TO A NON-SWITCHED HOT WIRE
	EXISTING DEVICE, LIGHT, OR CONDUIT & WIRE TO REMAIN
	NEW DEVICE IN EXISTING OUTLET BOX
	INDICATES NIGHT LIGHT FIXTURE CONNECTED TO A NON-SWITCHED HOT WIRE
	EXISTING DEVICE, LIGHT, OR CONDUIT & WIRE TO BE REMOVED
	EXISTING DEVICE OR LIGHT TO BE REMOVED WITH BLANK COVER ON OUTLET BOX
	EXISTING DEVICE OR LIGHT RELOCATED
	EXISTING DEVICE OR LIGHT TO BE REMOVED AND OUTLET BOX REUSED FOR NEW DEVICE OR LIGHT
	RAINTIGHT DEVICE - NEMA 3R
	TAMPER-PROOF DEVICE
	WEATHER-PROOF DEVICE
	VERTICAL UNIT HEATER. REFER TO DETAIL FOR ALL WIRING REQUIRED. REFER TO FLOOR PLANS FOR LOCATIONS.
	DEVICE WITH LOCKABLE COVERPLATE
	RECEPTACLE FURNISHED WITH (1) TYPE-A AND (1) TYPE-B USB OUTLET.

LIGHTING SYMBOLS

	CEILING MOUNTED LIGHT FIXTURE
	CEILING MOUNTED WALL WASH LIGHT FIXTURE
	WALL MOUNTED LIGHT FIXTURE
	WALL MOUNTED FLUORESCENT LIGHT FIXTURE
	TRACK LIGHT FIXTURE
	X - INDICATES TYPE OF AVAILABLE LIGHT FIXTURE
	Y - INDICATES TYPE OF TRACK
	POLE MOUNTED LIGHT FIXTURE
	CEILING MOUNTED EXIT LIGHT
	WALL MOUNTED EXIT LIGHT
	CEILING MOUNTED EXIT LIGHT W/ DIRECTIONAL ARROW
	SHADING DENOTES FACE DIRECTION OF EXIT LIGHT
	BATTERY OPERATED EMERGENCY LIGHT - WALL MOUNTED
	BATTERY OPERATED EMERGENCY LIGHT - CEILING MOUNTED
	S1 SINGLE POLE SWITCH
	S2 DOUBLE POLE SWITCH
	S3 THREE WAY SWITCH
	S4 FOUR WAY SWITCH
	KEYED SWITCH
	MOMENTARY SWITCH
	SWITCH WITH PILOT LIGHT
	THERMAL MOTOR PROTECTION SWITCH
	LOW VOLTAGE SWITCH
	DIMMER - NUMBER (X 100) EQUALS WATTAGE
	FLUORESCENT DIMMER
	LOW-VOLTAGE DIMMER
	3-WAY DIMMER
	MULTIPLE SWITCHES
	X - INDICATES HOW MANY
	Y - INDICATES WHAT TYPE OF SWITCH
	MULTIPLE DIMMERS
	X - INDICATES HOW MANY
	Y - INDICATES WHAT TYPE OF DIMMER
	WATTSTOPPER DIGITAL TIME SWITCH: TS-400
	WATTSTOPPER DIGITAL LIGHTING MANAGEMENT CONTROL STATION KEYPAD WITH PROGRAMMABLE FUNCTION BUTTONS. REFER TO DETAILS FOR ADDITIONAL REQUIREMENTS.
	XX INDICATES TYPE
	S1 ONE BUTTON KEYPAD
	S2 TWO BUTTON KEYPAD
	S3 THREE BUTTON KEYPAD
	S4 FOUR BUTTON KEYPAD
	S8 EIGHT BUTTON KEYPAD
	D1 ONE ROCKER BUTTON KEYPAD
	WATTSTOPPER DUAL TECHNOLOGY LINE VOLTAGE WALL OCCUPANCY SENSOR: DSW-301
	WATTSTOPPER DUAL TECHNOLOGY CEILING OCCUPANCY SENSOR WITH POWER PACK: DT-300 AND DT-100
	DIMMING WALL SWITCH OCCUPANCY SENSOR: DW-311
	WATTSTOPPER DLM SYSTEM PHOTO CELL: LMS-500
	WATTSTOPPER DLM SYSTEM DUAL TECHNOLOGY CEILING MOTION SENSOR: LMDC-100
	WATTSTOPPER EMERGENCY LIGHTING CONTROL UNIT. UPON LOSS OF NORMAL POWER, EMERGENCY LIGHTING SHALL BE BROUGHT TO FULL BRIGHTNESS REGARDLESS OF SWITCH POSITION. PROVIDE ALL LOW VOLTAGE CABLING AS REQUIRED: ELCU-200
	WATTSTOPPER DIGITAL LIGHTING MANAGEMENT INPUT/OUTPUT INTERFACE FOR BMS CONTROL OF LIGHTING. PROVIDE ALL LOW VOLTAGE CABLING AS REQUIRED: LMM-104
	WATTSTOPPER DIGITAL LIGHTING MANAGEMENT ROOM CONTROLLER. REFER TO DETAILS FOR SYSTEM INTERCONNECTION REQUIREMENTS.
	X INDICATES TYPE
	A: ONE RELAY SWITCHING CONTROLLER: LMRG-101
	B: TWO RELAY SWITCHING CONTROLLER: LMRG-102
	C: ONE RELAY SWITCHING OR 0-10V DIMMING CONTROLLER: LMRG-211
	D: TWO RELAY SWITCHING OR 0-10V DIMMING CONTROLLER: LMRG-212
	E: THREE RELAY SWITCHING OR 0-10V DIMMING CONTROLLER: LMRG-213

HOSPITAL SYMBOLS

	NURSE CALL PATIENT STATION - SINGLE
	NURSE CALL PATIENT STATION - DOUBLE
	NURSE CALL MASTER
	NURSE CALL DOME LIGHT
	NURSE CALL ZONE LIGHT
	NURSE CALL DUTY STATION
	NURSE CALL STAFF STATION
	NURSE CALL EMERGENCY STATION
	NURSE CALL EMERGENCY PULL CORD STATION
	NURSE CALL CODE BLUE STATION
	NURSE CALL STAFF LOCATOR
	NURSE ASSISTANCE CALL STATION
	PATIENT MONITORING OUTLET
	EQUIPOTENTIAL GROUNDING MODULE
	TIME AND ATTENDANCE STATION
	X-RAY VIEW BOX

COMMUNICATION SYMBOLS

	TELEPHONE OUTLET WITH 3/4" CONDUIT INTO ACCESSIBLE CEILING SPACE
	DATA OUTLET WITH 3/4" CONDUIT INTO ACCESSIBLE CEILING SPACE
	TELEPHONE/ DATA OUTLET WITH 3/4" CONDUIT INTO ACCESSIBLE CEILING SPACE
	WALL MOUNTED TELEPHONE OUTLET - NUMBER INDICATES HEIGHT ABOVE FINISHED FLOOR
	FLOOR OUTLET - TELEPHONE
	FLOOR OUTLET - DATA
	FLOOR OUTLET - TELEPHONE/ DATA
	FLOOR POKE THROUGH - TELEPHONE
	FLOOR POKE THROUGH - DATA
	FLOOR POKE THROUGH - TELEPHONE/ DATA
	CEILING SPEAKER
	WALL MOUNTED SPEAKER
	HORN TYPE SPEAKER
	VOLUME CONTROL
	TELEVISION OUTLET WITH 3/4" CONDUIT INTO ACCESSIBLE CEILING SPACE
	INTERCOM STAFF STATION
	INTERCOM MASTER STATION
	CLOCK OUTLET
	DOUBLE DIAL CLOCK - CEILING MOUNTED
	DOUBLE DIAL CLOCK - WALL MOUNTED
	MICROPHONE OUTLET WITH 3/4" CONDUIT INTO ACCESSIBLE CEILING SPACE

SECURITY SYMBOLS

	FIXED CCTV CAMERA
	CCTV CAMERA WITH MOTORIZED DOME
	CCTV CAMERA WITH PAN/TILT/ZOOM
	SECURITY MOTION DETECTOR
	PROXIMITY READER (CARD READER)
	INTRUSION ALARM
	ELECTRIC DOOR STRIKE

FIRE ALARM SYMBOLS

	MANUAL PULL STATION
	WALL MOUNTED FIRE ALARM SPEAKER
	COMBINATION PULLSTATION/HORN
	SMOKE DETECTOR
	SMOKE DETECTOR - DUCT MOUNTED
	SMOKE DETECTOR - ELEVATOR LOBBY
	SMOKE DETECTOR WITH AUXILIARY CONTACTS FOR USE IN PATIENT ROOMS AND TREATMENT ROOMS, INCLUDING NURSE CALL RELAY LOCATED AT NURSE CALL LIGHT
	HEAT DETECTOR
	DOOR HOLDER - WALL MOUNTED
	DOOR HOLDER - FLOOR MOUNTED
	DOOR CLOSER
	FAN SHUT-DOWN RELAY
	SPRINKLER FLOW SWITCH
	SPRINKLER VALVE TAMPER SWITCH
	VISUAL/AUDIBLE ALARM - NUMBER INDICATES CANDELA OUTPUT. LACK OF NUMBER INDICATES 1575 CANDELA OUTPUT
	VISUAL ALARM - NUMBER INDICATES CANDELA OUTPUT. LACK OF NUMBER INDICATES 1575 CANDELA OUTPUT
	AREA OF RESCUE STATION
	AREA OF RESCUE - MASTER STATION
	POST INDICATOR VALVE
	FIRE ALARM CONTROL PANEL (DOUBLE LINE INDICATES FRONT OF PANEL)
	FIRE ALARM ANNUNCIATOR (DOUBLE LINE INDICATES FRONT OF PANEL)
	ADDRESSABLE INTERFACE MODULE
	ADDRESSABLE INTERFACE MODULE WITH RELAY

TEMPERATURE CONTROLS SYMBOLS

	INTER RELAY
	ELECTRIC TO PNEUMATIC SWITCH
	PNEUMATIC TO ELECTRIC SWITCH
	DIFFERENTIAL PRESSURE SWITCH
	THERMOSTAT - SEE TEMP. CONT. DRAWING
	THERMOSTAT - SEE TEMP. CONT. DRAWING

ELECTRICAL ABBREVIATIONS			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
A	AMPERES (AMPS)	LTG	LIGHTING
AFG	ABOVE FINISHED FLOOR	MCB	MAIN CIRCUIT BREAKER
AG	ABOVE GRADE	MECH	MECHANICAL
AIC	AMPS INTERRUPTING CURRENT	MERC (MV)	MERCURY VAPOR
APPROX	APPROXIMATE	MH	METAL HALIDE
ARCH	ARCHITECTURAL	MISC	MISCELLANEOUS
ATS	AUTOMATIC TRANSFER SWITCH	MLO	MAIN LOSS ONLY
BLDG	BUILDING	MTD	MOUNTED
C	CONDUIT	MV	MEDIUM VOLTAGE
CB	CIRCUIT BREAKER	N	NEUTRAL
CKT	CIRCUIT	NC	NORMALLY CLOSED
CL	CENTER LINE	NEC	NATIONAL ELECTRICAL CODE
CLG	CEILING	NEMA	NAT'L ELEC MFR ASSOCIATION
CM	COORDINATE MOUNTING	NF	NON-FUSED
CO	CONDUIT ONLY	NTIC	NOT IN CONTRACT
CT	CURRENT TRANSFORMER	NL	NIGHT LIGHT (NON-SWITCHED LIGHT)
CU	COPPER	NO	NORMALLY OPEN
DISC	DISCONNECT	NO	NUMBER
DP	DISTRIBUTION PANEL	NTS	NOT TO SCALE
DPST	DOUBLE POLE DOUBLE THROW	PB	PULL BOX
DPST	DOUBLE POLE SINGLE THROW	PF	POWER FACTOR
DWG	DRAWING	PH	PHASE
EM	INDIC LIGHT OR DEVICE IS ON EMERG. POWER	PNL	PANEL, PANELBOARD
EMT	ELECTRICAL METALLIC TUBING	PR	PRIMARY
EQUIP	EQUIPMENT	PVC	POLYVINYL CHLORIDE CONDUIT
ETR	EXISTING TO REMAIN	PWR	POWER
F	FUSED	RSS	RIGID GALVANIZED STEEL CONDUIT
FC	FOOTCANDLE	SEC	SECONDARY
FOR	FEEDER	SPEC	SPECIFICATION
FLA	FULL LOAD AMPS	SPST	SINGLE POLE SINGLE THROW
FLOP	FLOOR	STD	STANDARD
FLOOR	FLUORESCENT	STK	SPEAKER
FT	FOOT, FEET	SWT	SWITCH
G.FI (GFCI)	GROUND FAULTY CIRCUIT INTERRUPTER	SWBD	SWITCH BOARD
GEC	GROUNDING ELECTRODE CONDUCTOR	SWGR, SG	SWITCH GEAR
GND	GROUND	TELE	TELEPHONE
IG	ISOLATED GROUND	TEMP	TEMPERATURE
IN	INCHES	TSTAT	THERMOSTAT
INC	INCANDESCENT	UPS	UNINTERRUPTIBLE POWER SUPPLY
ISC (AIC)	SHORT CIRCUIT CURRENT	V	VOLTS
J, JB	JUNCTION BOX	VA	VOLT AMPERES
KA	KILOAMPS	VFD	VARIABLE FREQUENCY DRIVE
KV	KILOVOLTS	W	WATTS (OR WIRE)
KVA	KILOVOLT AMPS	WF	WITH
KW	KILOWATTS	W/O	WITHOUT
KWH	KILOWATT HOURS	WP	WEATHERPROOF
		WT	WEATHERTIGHT
		XFMR	TRANSFORMER

GENERAL NOTES

- (THESE NOTES APPLY TO ALL ELECTRICAL SHEETS)
- A MAXIMUM OF SIX(6) CURRENT - CARRYING WIRES SHALL BE INSTALLED IN ANY ONE(1) CONDUIT. ALL BRANCH CIRCUITS EXCEPT MOTOR CIRCUITS SHALL BE INSTALLED WITH A DEDICATED NEUTRAL WIRE.
 - COORDINATE ALL WORK WITH OTHER TRADES. OFFSET PANELS, LIGHTS, RECEPTACLES AND CONDUIT AS REQUIRED. APPROVAL MUST BE OBTAINED FROM ARCHITECT PRIOR TO OFFSETTING ANY DEVICE OR EQUIPMENT.
 - CONTRACTOR SHALL COORDINATE ALL SHUT DOWNS WITH OWNER. NO SHUT DOWNS SHALL BE PERFORMED WITHOUT RECEIVING PRIOR APPROVAL FROM OWNER.
 - COORDINATE WITH ALL OTHER TRADES AND DISCONNECT OR REMOVE ELECTRICAL WIRING, EQUIPMENT, ETC. TO MAKE SITE SAFE FOR DEMOLITION BY OTHER CONTRACTORS. REFER TO CIVIL PLANS FOR SITE DEMOLITION THAT MAY NOT BE SHOWN ON ELECTRICAL SHEETS.
 - CONTRACTOR SHALL COORDINATE ALL PRIMARY VOLTAGE UTILITY WORK WITH OWNER AND ELECTRICAL UTILITY.
 - NO CONDUIT OR DEVICES IN FINISHED AREAS SHALL BE SURFACE MOUNTED. CONTRACTOR SHALL RECESS OR CONCEAL CONDUITS AND DEVICES AS REQUIRED. WHERE WALL TRENCHING IS REQUIRED, SAME SHALL BE APPROVED BY ARCHITECT.
 - CONTRACTOR SHALL GAIN APPROVAL FROM ARCHITECT PRIOR TO INSTALLING ANY SURFACE MOUNTED DEVICES.
 - WHERE FLOOR TRENCHING IS REQUIRED, THE CONTRACTOR SHALL TRENCH TO NEAREST WALL AS REQUIRED. FLOOR SHALL BE PATCHED TO MATCH ADJACENT SURFACES. COORDINATE WITH ARCHITECT FOR ANY TRENCHING REQUIRED.
 - ALL LOW VOLTAGE CABLING SHALL BE PLENUM RATED. THIS IS NOT LIMITED TO, BUT SHOULD INCLUDE, ALL FIRE ALARM CABLING.
 - CONTRACTOR SHALL RE-LABEL AND UPDATE SCHEDULES IN ALL EXISTING TO REMAIN PANELBOARDS AT THE COMPLETION OF THE PROJECT. PROVIDE NEW TYPED DIRECTORIES FOR EXISTING PANELBOARDS TO REFLECT ALL WORK DONE AS PART OF THIS PROJECT.
 - ALL EXISTING CONDUIT AND WIRING BEING CONNECTED TO NEW WORK THAT IS NOT IN COMPLIANCE WITH THE NEC SHALL BE CORRECTED AS REQUIRED.
 - AFTER COMPLETION OF NEW WORK, REMOVE ALL TEMPORARY EQUIPMENT, CONDUIT, AND WIRING NOT REQUIRED TO REMAIN.
 - CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY WORK.
 - ALL EXISTING ITEMS REMOVED DURING DEMOLITION SHALL BE TURNED OVER TO OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MOVING THE ITEMS TO A STORAGE LOCATION AS DETERMINED BY THE OWNER. ANY ITEMS THAT ARE NOT TO BE KEPT BY THE OWNER SHALL BE DISPOSED OF BY THE CONTRACTOR. COORDINATE AS REQUIRED.
 - ELECTRICAL SERVICE SHALL BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
 - ALL CONDUITS SHALL BE HELD AS HIGH AND AS TIGHT AS POSSIBLE TO THE STRUCTURE SUPPORTING THE FLOOR ABOVE AREA WHERE INSTALLATION OCCURS. COORDINATE WITH OTHER TRADES AS REQUIRED.
 - COORDINATE THE ROUTING OF ALL CONDUITS WITH OTHER TRADES. MAKE OFFSETS AS REQUIRED. FURNISH AND INSTALL JUNCTION AND PULL BOXES AS REQUIRED. ROUTING SHOWN ON PLANS IS DIAGRAMMATIC.
 - CONTRACTOR SHALL RELOCATE, RELOCATE, OR REMOVE ANY CONDUIT, FITURES, OR OTHER EXISTING ELECTRICAL DEVICES AS REQUIRED FOR NEW WORK. MAINTAIN AND RESTORE POWER TO ALL EXISTING DEVICES BEING SERVED IN UNDISTURBED AREAS, AND DEVICES THAT ARE SHOWN AS EXISTING TO REMAIN.
 - ALL CIRCUITS FROM EXISTING TO REMAIN PANELBOARDS THAT HAVE THEIR ENTIRE LOAD REMOVED AND ARE NOT REQUIRED TO BE REUSED TO SERVE NEW LOADS, AS SHOWN ON NEW WORK DRAWINGS, SHALL HAVE THEIR CONDUIT AND WIRE REMOVED BACK TO THEIR PANELBOARD AND THEIR ASSOCIATED BREAKER SHALL BE LABELED AS A SPARE. CONDUIT THAT IS LOCATED IN THE FLOOR SLAB OR ABOVE INACCESSIBLE CEILING SHALL BE ABANDONED IN PLACE, HOWEVER, ALL CONDUCTORS SHALL BE REMOVED.
 - DISCONNECT AND REMOVE ALL EXISTING ELECTRICAL DEVICES, LIGHT FIXTURES, ELECTRICAL EQUIPMENT SHOWN DARK AND DASHED ON THE DEMOLITION PLANS. DEVICES SHOWN LIGHT ARE EXISTING TO REMAIN.
 - THE CONTRACTOR SHALL VERIFY THE OPERATION OF ALL DEVICES THAT ARE EXISTING TO REMAIN. ALL NON-OPERATIONAL DEVICES SHALL BE CORRECTED OR REPLACED AS REQUIRED. REPLACE ALL DAMAGED AND MISSING COVERPLATES IN AREAS OF NEW WORK AS REQUIRED.
 - COORDINATE REMOVAL OF ALL COMMUNICATION WIRING WITH OWNER. ALL ABANDONED COMMUNICATION CABLING SHALL BE REMOVED AS REQUIRED.
 - COORDINATE REMOVAL WITH OWNER.
 - ALL CONDUIT, WIRING, DEVICES AND EQUIPMENT TO BE REMOVED MAY NOT BE SHOWN. HOWEVER, ALL ITEMS NOT REQUIRED TO REMAIN SHALL BE REMOVED.
 - THE CONTRACTOR SHALL MATCH THE RATINGS AND CHARACTERISTICS OF ALL NEW CIRCUIT BREAKERS BEING FURNISHED TO THOSE OF THE EXISTING BREAKERS IN EXISTING PANELBOARDS.
 - REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND ELEVATIONS FOR EXACT LOCATION OF LIGHT FIXTURES.
 - ALL RECEPTACLES INSTALLED IN BATHROOMS OR WITHIN SIX FEET OF ANY SINK SHALL BE GFI PROTECTED.
 - ALL LOW VOLTAGE ELECTRICAL CONNECTIONS ON THE SITE, EXTERIOR OF BUILDING, OR IN TUNNELS SHALL BE MADE USING WATERPROOF CONNECTORS.

STATE OF MISSOURI
BRUCE ELDON
HARD
NUMBER
PROFESSIONAL ENGINEER

9/18/2020

Brace E. Hart
Missouri #E-22817

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Licensee's Certificate of Authority Number:
Missouri: #000958

Saint Luke's

EAST HOSPITAL

LAB REMODEL

100 NE ST LUKES BLVD, LEE'S SUMMIT, MO
64086

RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS - NEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
10/29/2020

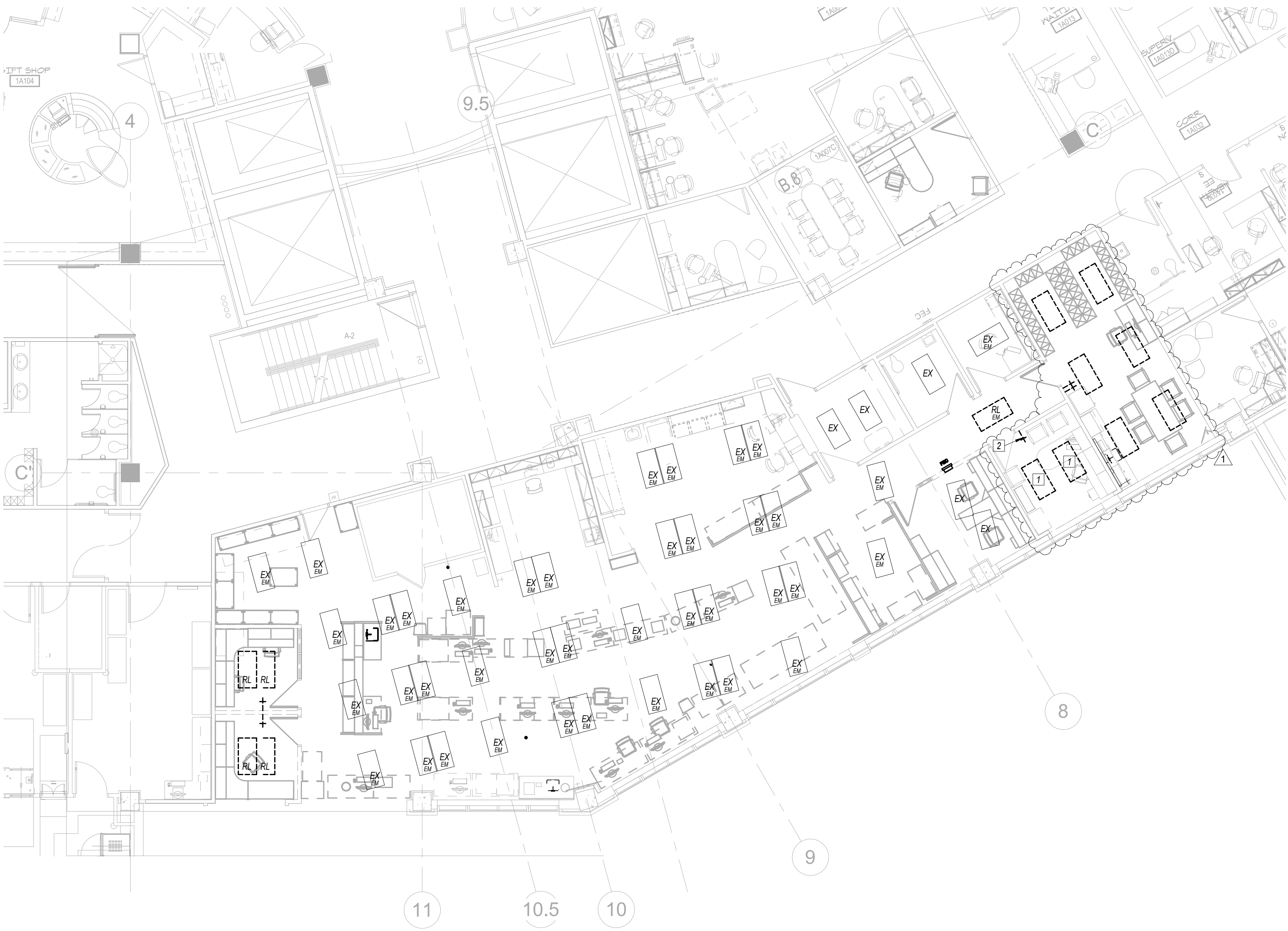
Date9/18-2020
Job Number3-20030
Drawn ByAuthor
Checked ByChecker

Revision
NumberDateDescription

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SYMBOLS, ABBREVIATIONS AND
GENERAL NOTES

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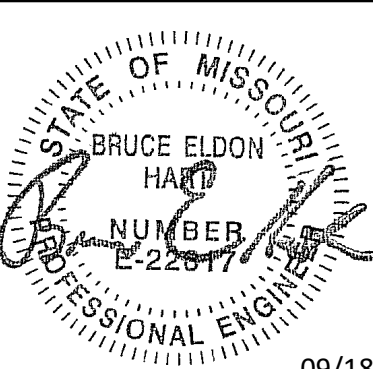


1 FIRST FLOOR LIGHTING DEMOLITION PLAN
1/8" = 1'-0"



ELECTRICAL LIGHTING DEMOLITION GENERAL NOTES

- 1 REFER TO SHEET E000 FOR GENERAL NOTES. NOT ALL GENERAL NOTES MAY APPLY TO THIS SHEET.
- 2 WORK SHOWN LIGHTLY IS EXISTING TO REMAIN. DISCONNECT, REMOVE, RELOCATE AND RECONNECT ALL FIXTURES SHOWN DARK AND DASHED ON DEMOLITION PLAN. DISCONNECT AND REMOVE ASSOCIATED SWITCHES, CONDUIT AND WIRING NO LONGER NECESSARY TO REMAIN.
- 3 THIS IS A 24 HOUR OPERATIONAL FACILITY THEREFORE SOME WORK MAY NEED TO OCCUR AFTER HOURS OR ON WEEKENDS AT NO EXTRA COST TO THE OWNER.



Bruce E. Hart
Missouri #E-22817

09/18/2020

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RELEASE FOR
CONSTRUCTION
AS NOTED ON PLAN
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
10/20/2020

Saint Luke's

EAST HOSPITAL
LAB REMODEL

100 NE ST LUKES BLVD, LEE'S SUMMIT, MO
64086

Date 09-18-2020
Job Number 3-20030
Drawn By LLD
Checked By BEH

Revision		
Number	Date	Description
1	10.12.20	ADD 01

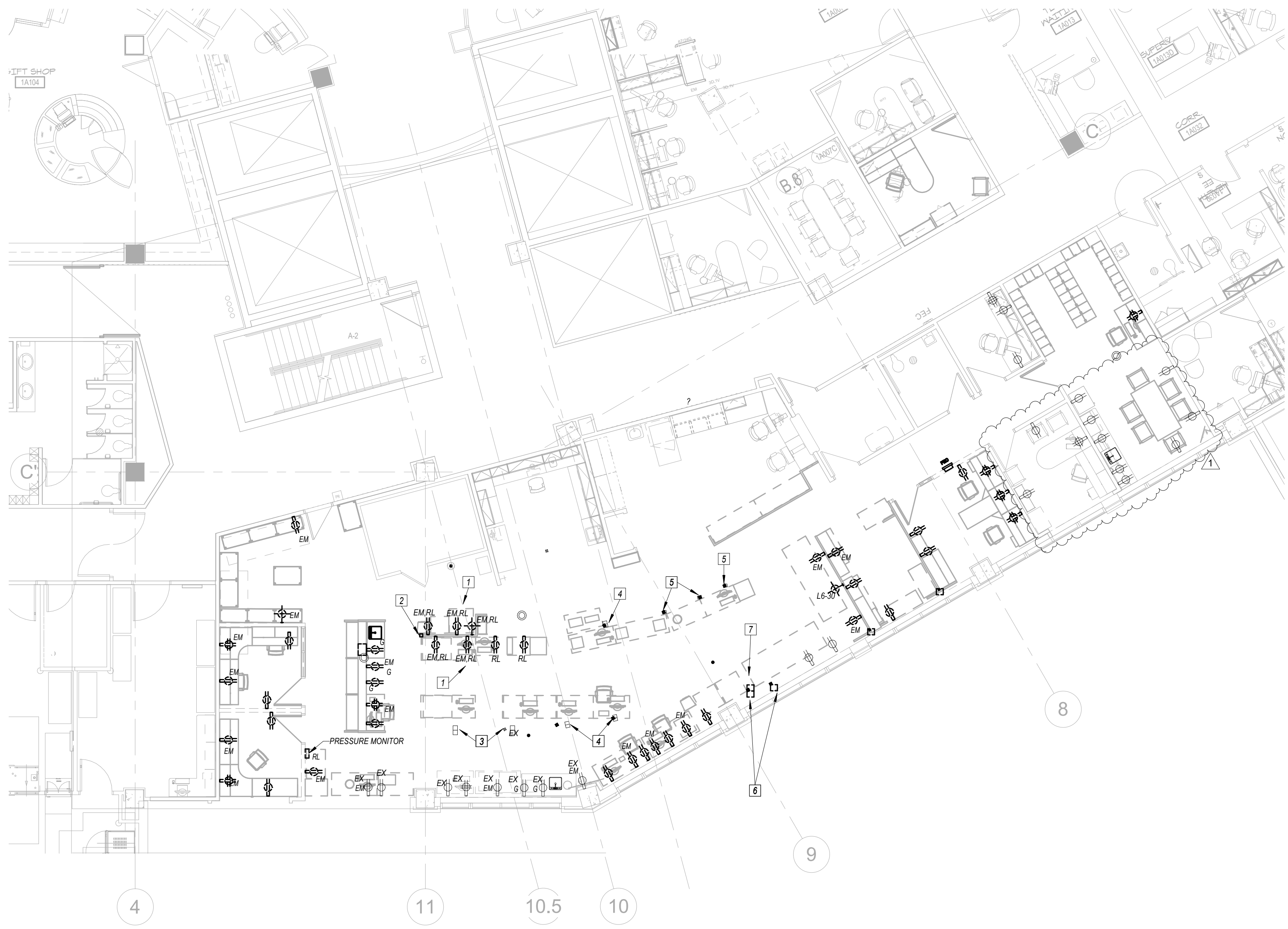
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LIGHTING FIRST FLOOR DEMOLITION
PLAN

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FIRST FLOOR POWER DEMOLITION PLAN
1/8" = 1'-0"



ELECTRICAL POWER DEMOLITION GENERAL NOTES

- 1 REFER TO SHEET E000 FOR GENERAL NOTES. NOT ALL GENERAL NOTES MAY APPLY TO THIS SHEET.
- 2 WORK SHOWN LIGHTLY IS EXISTING TO REMAIN. ALL NEW WORK IS SHOWN DARK AND BOLD.
- 3 IT IS THE INTENT TO REUSE EXISTING CIRCUITS TO THE EXTENT POSSIBLE. CIRCUIT NUMBERS ARE BASED UPON AS BUILT DRAWINGS AND SHOULD BE FIELD VERIFIED BY THE ELECTRICAL CONTRACTOR.
- 4 RELOCATED POWER POLES ARE TO BE FED OVERHEAD.
- 5 THIS IS A 24 HOUR OPERATIONAL FACILITY THEREFORE SOME WORK MAY NEED TO OCCUR AFTER HOURS OR ON WEEKENDS AT NO EXTRA COST TO THE OWNER.

KEYED NOTES

- 1 DEVICES MOUNTED IN SYSTEM FURNITURE TO BE RELOCATED WITH FURNITURE. DISCONNECT EXISTING CIRCUITING FOR RELOCATION. EXISTING CIRCUIT TO BE EXTENDED AND RECONNECTED TO DEVICES IN NEW LOCATION. REFER TO NEW WORK ELECTRICAL PLAN FOR FURTHER INFORMATION.
- 2 THREE SECTION POWER POLE TO BE RELOCATED TO NEW EQUIPMENT LOCATION. REFER TO ARCHITECTURAL PLANS AND NEW WORK ELECTRICAL PLANS FOR FURTHER INFORMATION.
- 3 EXISTING POWER POLE TO REMAIN.
- 4 DISCONNECT AND RELOCATE TWO(2) EXISTING POWER POLES. ONE POLE WITH TWO(2) NORMAL DUPLEX RECEPTACLES AND TWO(2) DATA DROPS AND ONE POLE WITH TWO(2) EMERGENCY DUPLEX RECEPTACLES. REFER TO NEW WORK ELECTRICAL PLAN FOR FURTHER INFORMATION.
- 5 DISCONNECT AND RELOCATE EXISTING POWER POLE WITH TWO(2) EMERGENCY DUPLEX RECEPTACLES AND TWO(2) DATA DROPS. REFER TO NEW WORK ELECTRICAL PLAN FOR FURTHER INFORMATION.
- 6 DISCONNECT AND RECONNECT TWO(2) EXISTING POWER POLES. ONE POLE WITH ONE(1) EMERGENCY NEMA L5-20 RECEPTACLE AND ONE POLE WITH TWO(2) EMERGENCY DUPLEX RECEPTACLES. REFER TO NEW WORK ELECTRICAL PLAN FOR FURTHER INFORMATION.
- 7 DISCONNECT AND RELOCATE EXISTING POWER POLE WITH ONE(1) EMERGENCY L5-30 RECEPTACLE. REFER TO NEW WORK ELECTRICAL PLAN FOR FURTHER INFORMATION.

STATE OF MISSOURI
BRUCE ELDON
HART
LICENSED PROFESSIONAL ENGINEER
09/18/2020

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Missouri #E-22817

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ACI/Boland, Inc.
Kansas City | St. Louis
Licensee's Certificate of Authority Number:
Missouri: #000958

RELEASE FOR
CONSTRUCTION
AS NOTED ON PLAN
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
10/20/2020

Saint Luke's
EAST HOSPITAL
LAB REMODEL
100 NE ST LUKES BLVD, LEE'S SUMMIT, MO
64086

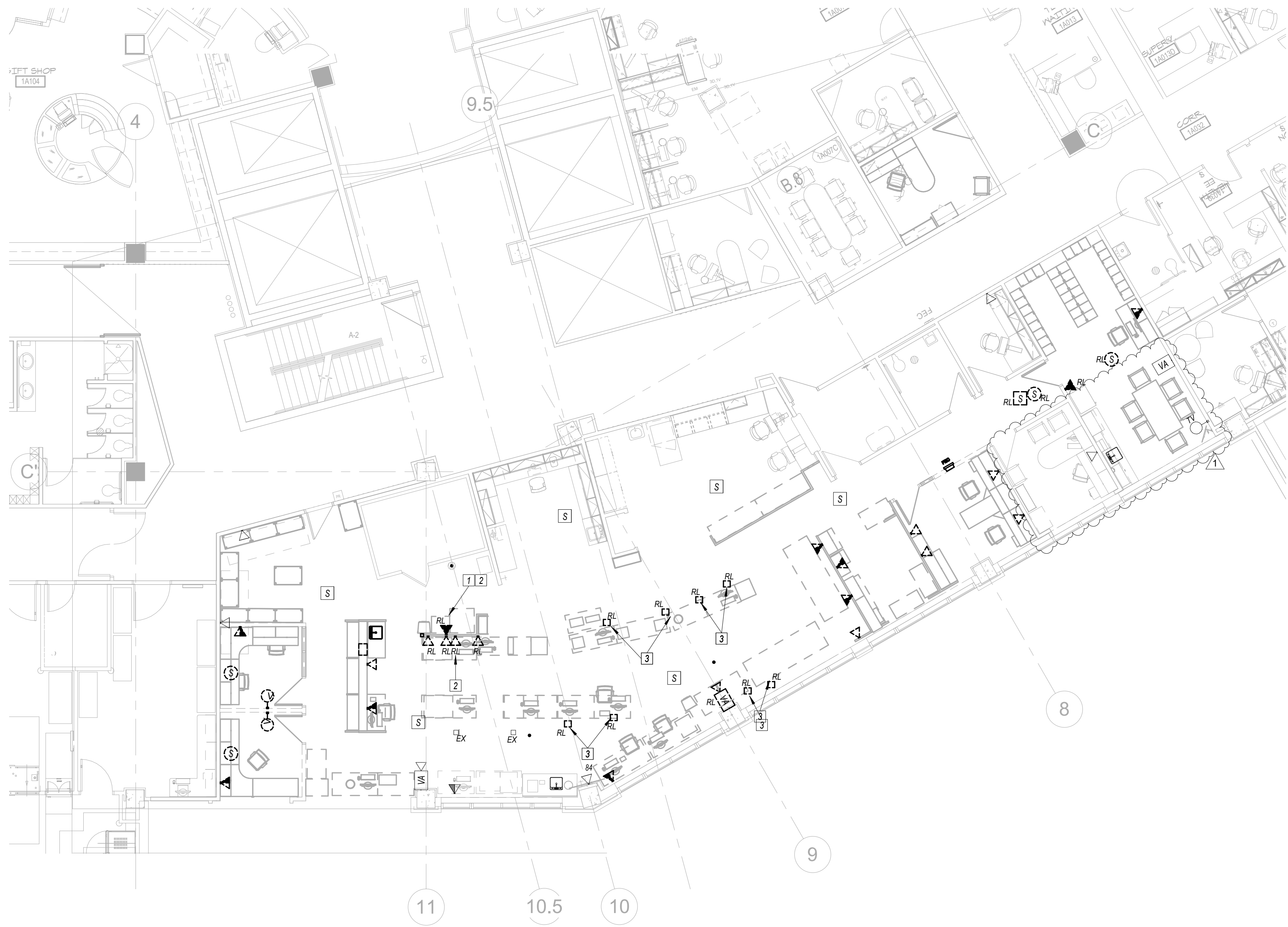
Date09-18-2020
Job Number3-20030
Drawn ByLLD
Checked ByBEH

Revision
NumberDateDescription
110.12.20ADD 01

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POWER FIRST FLOOR DEMOLITION
PLAN

V:\files\Corporate\Offices\Kansas City\WLC\Projects\0-St. Luke's - East\U-Projects\2020\084 SLHE Lab\Revit Model\Central MEP\2020-084 SLHE Lab-MEP-V2016.rvt

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1 FIRST FLOOR COMMUNICATIONS DEMOLITION PLAN
1/8" = 1'-0"



**ELECTRICAL COMMUNICATIONS DEMOLITION
GENERAL NOTES**

- 1 REFER TO SHEET E000 FOR GENERAL NOTES. NOT ALL GENERAL NOTES MAY APPLY TO THIS SHEET.
- 2 WORK SHOWN LIGHTLY IS EXISTING TO REMAIN. ALL DEMOLITION WORK IS SHOWN DARK AND DASHED ON DEMOLITION PLAN.
- 3 NOT ALL EXISTING DEVICES ARE SHOWN. CONTRACTOR SHALL MAINTAIN SERVICE TO ALL DEVICES NOT BEING REMOVED AS PART OF THIS PROJECT.
- 4 THIS IS A 24 HOUR OPERATIONAL FACILITY THEREFORE SOME WORK MAY NEED TO OCCUR AFTER HOURS OR ON WEEKENDS AT NO EXTRA COST TO THE OWNER.

KEYED NOTES 0

- 1 DISCONNECT AND RELOCATE SENSAPHONE ALARM, MONITORING BLOOD BANK FREEZER AND REFRIGERATOR. TO NEW FREEZER AND REFRIGERATOR LOCATION. REFER TO NEW WORK PLAN FOR RECONNECTION OF CIRCUITS.
- 2 DEVICES MOUNTED IN SYSTEM FURNITURE TO BE RELOCATED WITH FURNITURE. REFER TO NEW WORK PLAN FOR FURTHER INFORMATION.
- 3 DISCONNECT, REMOVE AND RELOCATE EXISTING COMMUNICATIONS POWER POLE WITH TWO(2) DATA CONNECTIONS.

STATE OF MISSOURI

BRUCE ELDON

HART

Professional Engineer

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COMMUNICATIONS FIRST FLOOR

DEMOLITION PLAN



1 FIRST FLOOR LIGHTING PLAN
1/8" = 1'-0"



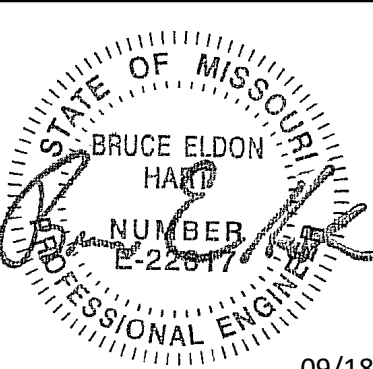
Lighting Fixture Schedule							
TYPE	MANUFACTURER/MODEL	FIXTURE DESCRIPTION	MOUNTING	DRIVER/BALLAST	LAMP	VOLTAGE	WATTS
A	WILLIAMS PT SERIES	2x4' DIRECT/INDIRECT TROFFER FOR LED SOURCE. LINEAR SMOOTH CURVED PRISMATIC LENS WITH SURFACE RELIEF DIFFUSER. FIXTURE STEEL PAINTED BAKED WHITE ENAMEL. 1-1/2" TELESCOPING HOUSING. DUL LISTED. FURNISH WITH ALL HARDWARE AS REQUIRED FOR MOUNTING TYPE.	CEILING RECESSED	INTEGRAL 1% 0-10V DIMMING DRIVER.	INTEGRAL 3000K CCT. 4800 LUMENS DELIVERED. MIN 80 CRI LED.	120-277V	37 W
B	WILLIAMS PT SERIES	2x2' TROFFER FIXTURE FOR LED SOURCE. 0.125" PRISMATIC ACRYLIC LENS. SPRING LOADED CAM ACTION LATCHED. FIXTURE STEEL DOOR WITH MITERED CORNERS. ALL FIXTURE STEEL POST PAINTED BAKED WHITE ENAMEL. FURNISH WITH ALL HARDWARE AS REQUIRED FOR MOUNTING.	RECESSED	INTEGRAL 1% 0-10V DIMMING DRIVER.	INTEGRAL 3000K CCT. 2600 LUMENS DELIVERED. MIN 80 CRI LED.	120-277V	21 W
M	WILLIAMS 1SF LED SERIES	3" UNDERCABINET FIXTURE WITH SOLID FRONT AND BOTTOM ACRYLIC LENS. DIFFUSER. INTEGRAL ROCKER SWITCH.	SURFACE	INTEGRAL LED DRIVER.	INTEGRAL 3000K CCT. 1200 LUMENS DELIVERED. MIN 80 CRI LED.	120V	24 W

ELECTRICAL LIGHTING GENERAL NOTES

- 1 REFER TO SHEET E000 FOR GENERAL NOTES. NOT ALL GENERAL NOTES MAY APPLY TO THIS SHEET.
- 2 WORK SHOWN LIGHTLY IS EXISTING TO REMAIN. DISCONNECT, REMOVE, RELOCATE AND RECONNECT ALL FIXTURES SHOWN DARK AND DASHED ON DEMOLITION PLAN. DISCONNECT AND REMOVE ASSOCIATED SWITCHES, CONDUIT AND WIRING NO LONGER NECESSARY TO REMAIN. ALL NEW WORK IS SHOWN DARK AND BOLD ON NEW WORK PLAN.
- 3 THIS IS A 24 HOUR OPERATIONAL FACILITY THEREFORE SOME WORK MAY NEED TO OCCUR AFTER HOURS OR ON WEEKENDS AT NO EXTRA COST TO THE OWNER.

KEYED NOTES

- 1 EXTEND AND CONNECT TO EXISTING EMERGENCY LIGHTING CIRCUIT.
- 2 EXTEND AND CONNECT TO EXISTING NON-SWITCHED LEG OF NORMAL POWER LIGHTING CIRCUIT.
- 3 EXTEND AND CONNECT TO COUNTERTOP RECEPTACLE CIRCUIT.
- 4 FURNISH AND INSTALL NEW SWITCH IN EXISTING BACKBOX AND CONNECT TO EXISTING CIRCUITING AS REQUIRED.
- 5 CONNECT NEW LIGHT FIXTURE TO EXISTING ROOM CIRCUIT.



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LIGHTING FIRST FLOOR PLAN



1 FIRST FLOOR POWER PLAN
1/8" = 1'-0"



2 EXISTING ELECTRICAL PANEL PLAN
1/16" = 1'-0"



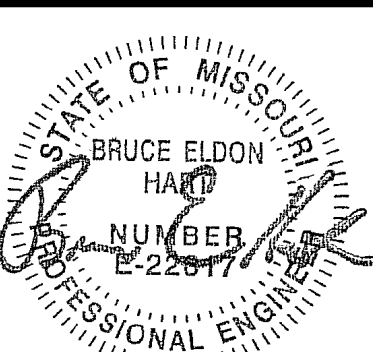
Branch Panel: A1-33											
Location: LAB 1A041M						Volts: 120/208 Wye			A.I.C. Rating: 10K		
Supply From: A1-14-LC						Phases: 3			Mains Type: MCB		
Mounting: Surface						Wires: 4			Mains Rating: 100 A		
Enclosure: Type 1									MCB Rating: 100 A		
Notes:											
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	ATELLICA ACCESSORY POWER	20 A	1	0 VA 1200...	1200... 1200...		2	20 A	ATELLICA SAMPLER HANDLER POWER	2	
3	ATELLICA CHEMISTRY ANALYZER POWER	20 A	2			1200... 1200...				4	
5	ATELLICA ACCESSORY POWER	20 A	1	0 VA 1200...			2	20 A	ATELLICA IMMUNOASSY POWER	6	
7	ATELLICA SAMPLER HANDLER POWER	20 A	2		1200... 1200...					8	
9	ATELLICA CHEMISTRY ANALYZER POWER	20 A	2			1200... 1200...	2	20 A	ATELLICA CHEMISTRY ANALYZER POWER	10	
11	ATELLICA SYSTEM POWER	20 A	2	1200... 0 VA			1	20 A	AUTOMATION WORKSTATION	12	
13	ACCESSORY POWER	20 A	1		1200... 0 VA	0 VA 0 VA	1	20 A	AUTOMATION WORKSTATION	14	
15	APTIO UPS	100 A	2	0 VA 180 VA	0 VA 180 VA		1	20 A	MILLIPORE SYSTEM RECEPTACLE	16	
17	SPARE	20 A	1			0 VA 0 VA	1	20 A	MILLIPORE SYSTEM RECEPTACLE	18	
19	SPARE	20 A	1	0 VA 0 VA			1	20 A	SPARE	20	
21	SPARE	20 A	1		0 VA 0 VA		1	20 A	SPARE	22	
23	SPARE	20 A	1		0 VA 0 VA	0 VA 0 VA	1	20 A	SPARE	24	
25	SPARE	20 A	1		0 VA 0 VA		1	20 A	SPARE	26	
27	SPARE	20 A	1		0 VA 0 VA		1	20 A	SPARE	28	
29	SPARE	20 A	1	0 VA 0 VA	180 VA		1	20 A	SPARE	30	
31	BLOOD BANK MINI-FRIG	20 A	1				1	20 A	SPARE	32	
33		20 A	1							34	
35										36	
37										38	
39										40	
41										42	
Total Load:				3780 VA	6360 VA	4800 VA					
Total Amps:				32 A	54 A	41 A					
Legend:											
Load Classification		Connected Load	Demand Factor	Estimated Demand	Panel Totals						
Other		1440 VA	100.00%	1440 VA	Total Conn. Load: 14940 VA						
Receptacle		540 VA	100.00%	540 VA	Total Est. Demand: 14940 VA						
					Total Conn. Current: 41 A						
					Total Est. Demand Current: 41 A						
Notes:											

ELECTRICAL POWER GENERAL NOTES

- REFER TO SHEET E000 FOR GENERAL NOTES. NOT ALL GENERAL NOTES MAY APPLY TO THIS SHEET.
- WORK SHOWN LIGHTLY IS EXISTING TO REMAIN. ALL NEW WORK IS SHOWN DARK AND BOLD.
- IT IS THE INTENT TO REUSE EXISTING CIRCUITS TO THE EXTENT POSSIBLE. CIRCUIT NUMBERS ARE BASED UPON AS BUILT DRAWINGS AND SHOULD BE FIELD VERIFIED BY THE ELECTRICAL CONTRACTOR.
- RELOCATED POWER POLES ARE TO BE FED OVERHEAD.
- THIS IS A 24 HOUR OPERATIONAL FACILITY THEREFORE SOME WORK MAY NEED TO OCCUR AFTER HOURS OR ON WEEKENDS AT NO EXTRA COST TO THE OWNER.

KEYED NOTES

- EXTEND AND CONNECT TO 20A 1P CIRCUIT BREAKER(S) MADE AVAILABLE DURING DEMOLITION PORTION OF PROJECT.
- RELOCATED THREE SECTION POWER POLE FOR ROUTING OF CIRCUITING AND DATA OF SYSTEM MOUNTED DEVICES.
- RELOCATED SENSAPHONE MONITORING ALARM. MAKE ALL CONNECTIONS TO REFRIGERATOR AND FREEZER AS REQUIRED.
- DROP CIRCUITING DOWN IN RELOCATED POWER POLE FOR CONNECTION TO DEVICES MOUNTED IN SYSTEM FURNITURE. EXTEND AND CONNECT TO EXISTING CIRCUIT BREAKER MADE SPARE DURING DEMOLITION PHASE OF PROJECT.
- RELOCATE AND RECONNECT THREE(3) EXISTING POWER POLES. ONE POLE WITH TWO(2) NORMAL DUPLEX RECEPTACLES AND TWO(2) DATA DROPS. ONE POLE WITH TWO(2) EMERGENCY DUPLEX RECEPTACLES AND ONE POLE WITH TWO(2) EMERGENCY DUPLEX RECEPTACLES AND TWO(2) DATA DROPS.
- RELOCATE AND RECONNECT TWO(2) EXISTING POWER POLES. EACH WITH TWO(2) EMERGENCY DUPLEX RECEPTACLES AND TWO(2) DATA DROPS.
- RELOCATE AND RECONNECT TWO(2) EXISTING POWER POLES. ONE POLE WITH TWO(2) NORMAL DUPLEX RECEPTACLES AND TWO(2) DATA DROPS AND ONE POLE WITH TWO(2) EMERGENCY DUPLEX RECEPTACLES.
- FURNISH AND INSTALL 6"x6" SEPARATED POWER COLUMN FOR ROUTING OF EMERGENCY POWER, DATA AND WATER. THE FRONT SIDE SHALL CONSIST OF THREE(3) 20W, 16-20R RECEPTACLES, ONE(1) 120V EMERGENCY DUPLEX RECEPTACLE AND CAT6 NETWORK DROP. REFER TO SIEMENS HEALTHINEERS DRAWINGS FOR ADDITIONAL INFORMATION.
- EXISTING POWER POLE TO REMAIN.
- FURNISH AND INSTALL NEW 100A 3P CIRCUIT BREAKER IN EXISTING PANEL TO FEED NEW PANEL. REFER TO PANEL LOCATION PLAN ON THIS SHEET FOR EXISTING PANEL LOCATION.
- 4#11W, 1-#8 GND IN 1-1/2"C.
- 2#2W, 1-#8 GND IN 1"C.
- EATON 9555, 1-#1 120V UPS. REFER TO SIEMENS HEALTHINEERS DRAWINGS FOR FURTHER INFORMATION. EXACT LOCATION IN ROOM TO BE FIELD VERIFIED.
- 120VA 208 TO 230VAC STEP UP TRANSFORMER. REFER TO SIEMENS HEALTHINEERS DRAWINGS FOR FURTHER INFORMATION. EXACT LOCATION IN ROOM TO BE FIELD VERIFIED.
- FURNISH AND INSTALL 40A 1PH 230VAC PHASE-TO-NEUTRAL CIRCUIT BREAKER IN NEMA 1 ENCLOSURE. REFER TO SIEMENS HEALTHINEERS DRAWINGS FOR FURTHER INFORMATION.
- 2#8W, 1-#10 GND IN 1"C.
- FURNISH AND INSTALL 40A 3PH 230VAC PHASE-TO-NEUTRAL DISCONNECT SWITCH AND MAKE ALL CONNECTIONS TO APTIO AS REQUIRED. REFER TO SIEMENS HEALTHINEERS DRAWINGS FOR FURTHER INFORMATION.
- REVISE RELOCATED POWER POLE TO HAVE THREE(3) EMERGENCY RECEPTACLES AND CONNECT TO NEW CIRCUIT AS SPECIFIED.
- RELOCATE AND EXISTING POWER POLE WITH TWO(2) EMERGENCY DUPLEX RECEPTACLES AND EXTEND AND CONNECT TO NEW CIRCUIT AS SPECIFIED.
- FURNISH AND INSTALL NEW TWO COMPARTMENT POWER POLE FOR EMERGENCY POWER AND DATA. FURNISH WITH FOUR(4) EMERGENCY DUPLEX RECEPTACLES, TWO(2) WIRED PER CIRCUIT, AND WITH FOUR(4) DATA PORTS.
- EXTEND AND CONNECT TO EXISTING CIRCUIT.



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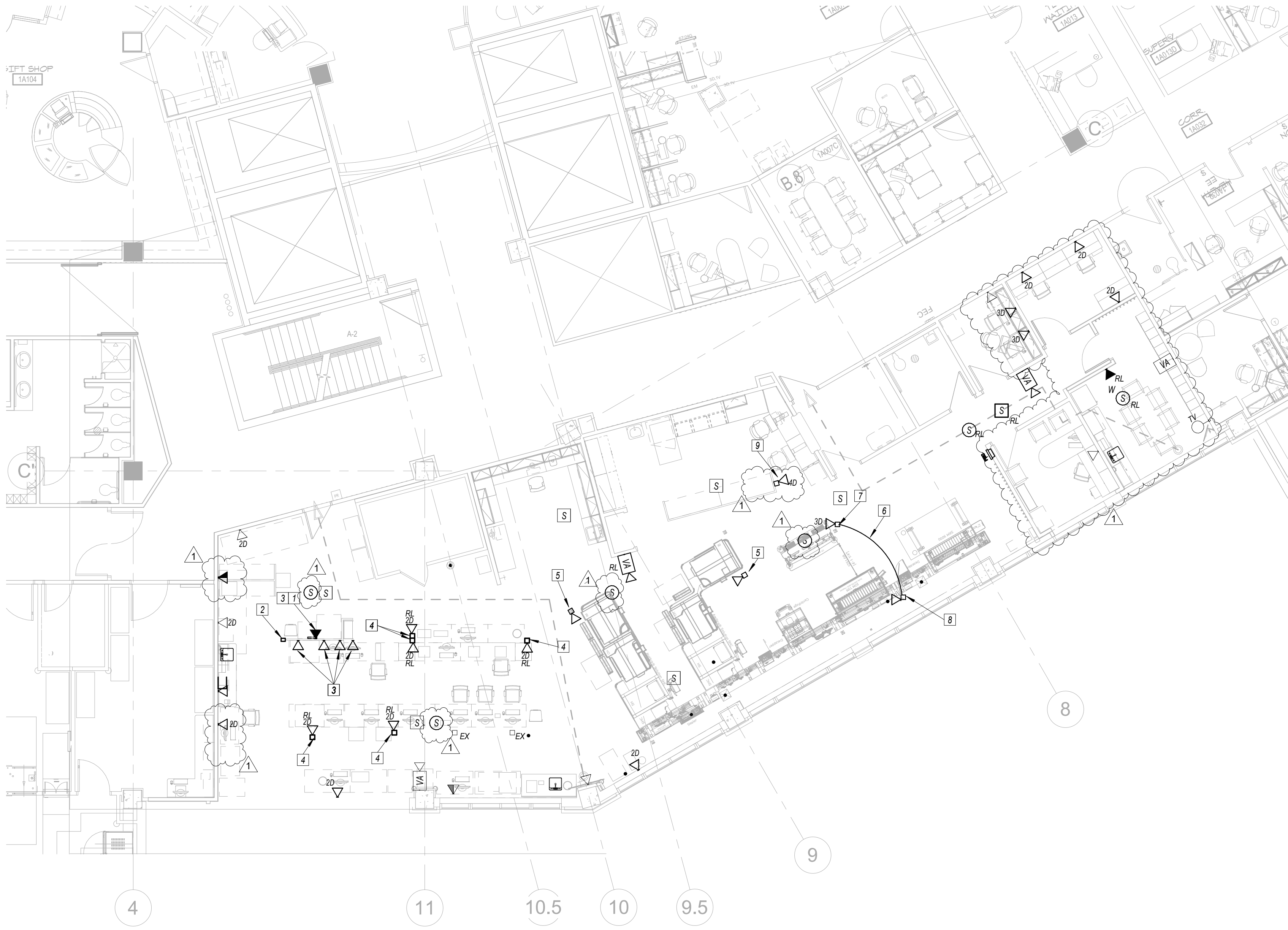
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POWER FIRST FLOOR PLAN &
SCHEDULE



1 FIRST FLOOR COMMUNICATIONS PLAN
1/8" = 1'-0"



ELECTRICAL COMMUNICATIONS GENERAL NOTES

- 1 REFER TO SHEET EX00 FOR GENERAL NOTES. NOT ALL GENERAL NOTES MAY APPLY TO THIS SHEET.
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- 3 THIS IS A 24 HOUR OPERATIONAL FACILITY THEREFORE SOME WORK MAY NEED TO OCCUR AFTER HOURS OR ON WEEKENDS AT NO EXTRA COST TO THE OWNER.

KEYED NOTES 0

- 1 DEDICATED ANALOG TELEPHONE LINE FOR CONNECTION TO REFRIGERATOR/FREEZER ALARM.
- 2 DROP CABLING DOWN IN POWER POLE AND EXTEND AND CONNECT TO SYSTEM FURNITURE MOUNTED DEVICES.
- 3 DEVICE MOUNTED IN SYSTEM FURNITURE. EXTEND CABLING THROUGH FURNITURE RACEWAY TO POWER POLE CONNECTION POINT.
- 4 DROP CABLING DOWN IN RELOCATED POWER POLE AND RECONNECT TO TWO(2) EXISTING POLE MOUNTED DATA DROPS.
- 5 CAT5 NETWORK DROP MOUNTED IN 6"x6" SEPARATED POWER COLUMN. REFER TO SIEMENS HEALTHINEER DRAWINGS FOR ADDITIONAL INFORMATION.
- 6 FURNISH AND INSTALL SIX(6) CAT 6 CABLES BETWEEN APTIO WORKSTATION AND APTIO UTILITY LOCATION. REFER TO SIEMENS HEALTHINEER'S DRAWINGS FOR FURTHER INFORMATION.
- 7 REVISE RELOCATED POWER POLE WITH THREE(3) NETWORK DATA DROPS AND CONNECTION POINT FOR SIX(6) CAT5 CABLES TO APTIO. REFER TO SIEMENS HEALTHINEER'S DRAWINGS FOR FURTHER INFORMATION.
- 8 REVISE RELOCATED POWER POLE WITH ONE(1) NETWORK DATA DROPS AND CONNECTION POINT FOR SIX(6) CAT5 CABLES FROM APTIO WORKSTATION. REFER TO SIEMENS HEALTHINEER'S DRAWINGS FOR FURTHER INFORMATION.
- 9 DATA DROPS MOUNTED IN NEW POWER POLE. REFER TO ELECTRICAL POWER PLAN FOR ADDITIONAL POWER POLE INFORMATION.

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