2/12/2023 8:52:11 PM

Joe Frogge
Digitally signed by Joe Frogge
DN: CN=Joe Frogge, O=BHC, OU=Engineering, C=US, E=joe.frogge@bhcinc.com
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Lee's Summit, Missouri
10/16/2024

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Saint Luke's™
EAST HOSPITAL

ASC EXPANSION & RENOVATION
120 NE Saint Luke's Blvd
Lee's Summit, MO 64086

P R O J E C T T E A M

ARCHITECT
ACI BOLAND, INC.
1710 WYANDOTTE STREET
KANSAS CITY, MO 64108
PHONE 816.763.9600
FAX 816.763.9757

CIVIL ENGINEER
BHC
7101 College Blvd., Suite 400
Overland Park, KS 66210
PHONE 913.663.1900

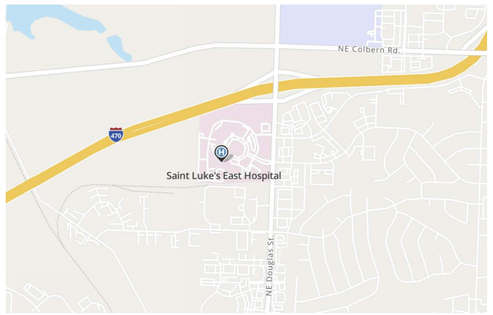
STRUCTURAL ENGINEER
Structural Engineering Associates, Inc.
1000 Walnut St, Suite 1570
Kansas City, MO 64106
PHONE 816.421.1042
FAX 816.421.1061

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
PHONE 816.842.8437

ABBREVIATIONS

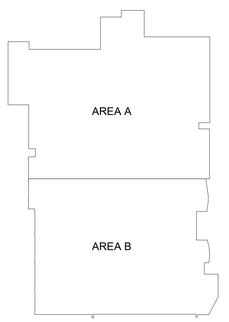
AC.	ACOUSTIC/ACOUSTICAL	FLOR.	FLUORESCENT	PTD.	PAINTED
ADD.	ADDENDUM	FTG.	FOOTING	PG.	PAGE
ADDN.	ADDITION	FND.	FOUNDATION	PLAM.	PLASTIC LAMINATE
ABC	AGGREGATE BASE COURSE	FR.	FRAME	PR.	PAIR
AFF	ABOVE FINISH FLOOR	F.H.C.	FIRE HOSE CAB.	PNL.	PANEL
AGG.	AGGREGATE	FV.	FIELD VERIFY	PTN.	PARTITION
A/C.	AIR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

LOCATION PLAN



NORTH

KEY PLAN



KEY PLAN - FIRST FLOOR ASC
1" = 60'-0"

NORTH

SHEET INDEX

SHEET NUMBER	SHEET NAME
GENERAL	
A000	COVER SHEET
A010	GENERAL NOTES, LEGENDS & SYMBOLS
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A022	SECOND AND THIRD FLOOR CODE FOOTPRINT PLAN
A030	PARTITION TYPES AND DETAILS
A040	U.L. DESIGN ASSEMBLIES
A041	U.L. DESIGN ASSEMBLIES
A042	U.L. DESIGN ASSEMBLIES
CIVIL	
CVR	COVER SHEET
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C101	DEMOLITION PLAN - PARKING EXPANSION
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C201	SITE PLAN - BUILDING EXPANSION
C202	SITE PLAN - PARKING EXPANSION
C203	DIMENSION PLAN - BUILDING EXPANSION
C204	DIMENSION PLAN - PARKING EXPANSION
C300	OVERALL GRADING PLAN
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C302	DETAILED GRADING PLAN - PARKING EXPANSION
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C504	STORM PLAN & PROFILE
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C701	CIVIL DETAILS 2
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A225	ENLARGED FLOOR PLANS
A227	ENLARGED FLOOR PLANS
A228	ENLARGED FLOOR PLANS
A229	ENLARGED FLOOR PLANS
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A312b	SECOND FLOOR - REFLECTED CEILING PLANS - AREA B
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A322	ENLARGED RCPS
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A511	EXTERIOR ELEVATIONS
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A611	WALL SECTIONS
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A614	EXTERIOR SECTION DETAILS
A615	EXTERIOR SECTION DETAILS
A616	EXTERIOR PLAN DETAILS
A617	EXTERIOR PLAN DETAILS
A618	EXTERIOR PLAN DETAILS
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A633	STAIR PLANS & SECTIONS
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F102B	LEVEL 02 DEMOLITION PLAN - FIRE PROTECTION - AREA B
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F202B	LEVEL 02 PLAN - FIRE PROTECTION - AREA B
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P212B	LEVEL 02 PLAN - MEDICAL GAS - AREA B
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MECHANICAL	
M000	MECHANICAL COVERSHEET
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M112B	LEVEL 02 - DEMOLITION PLAN - PIPING - AREA B
M121B	LEVEL 01 DEMOLITION PLAN - VENTILATION - AREA B
M122B	LEVEL 02 DEMOLITION PLAN - VENTILATION - AREA B
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M210A	LEVEL 00 PLAN - PIPING - AREA A
M211A	LEVEL 01 PLAN - PIPING - AREA A
M211B	LEVEL 01 PLAN - PIPING - AREA B
M212A	LEVEL 02 PLAN - PIPING - AREA A
M212B	LEVEL 02 PLAN - PIPING - AREA B
M213A	LEVEL 03 PLAN - PIPING - AREA A
M221A	LEVEL 01 PLAN - VENTILATION - AREA A
M221B	LEVEL 01 PLAN - VENTILATION - AREA B
M222A	LEVEL 02 PLAN - VENTILATION - AREA A
M222B	LEVEL 02 PLAN - VENTILATION - AREA B
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M312	LEVEL 01 PLAN - ENLARGED MECHANICAL ROOM
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M401	MECHANICAL DETAILS
M402	MECHANICAL DETAILS
M403	MECHANICAL DETAILS
M404	MECHANICAL DETAILS
M520	TEMPERATURE CONTROLS
M521	TEMPERATURE CONTROLS
M522	TEMPERATURE CONTROLS
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M601	MECHANICAL SCHEDULES
M602	MECHANICAL SCHEDULES
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M120B	LEVEL 00 DEMOLITION PLAN - VENTILATION - AREA B
M234A	ROOF PLAN - MECHANICAL & ELECTRICAL - AREA A
M234B	ROOF PLAN - MECHANICAL & ELECTRICAL - AREA B
ELECTRICAL	
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E001	ELECTRICAL SYSTEMS COVERSHEET
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E201B	LEVEL 01 PLAN - LIGHTING - AREA B
E202A	LEVEL 02 PLAN - LIGHTING - AREA A
E202B	LEVEL 02 PLAN - LIGHTING - AREA B
E203A	LEVEL 03 PLAN - LIGHTING - AREA A
E211A	LEVEL 01 PLAN - POWER - AREA A
E211B	LEVEL 01 PLAN - POWER - AREA B
E212A	LEVEL 02 PLAN - POWER - AREA A
E212B	LEVEL 02 PLAN - POWER - AREA B
E213A	LEVEL 03 PLAN - POWER - AREA A
E221A	LEVEL 01 PLAN - SYSTEMS - AREA A
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E222A	LEVEL 02 PLAN - SYSTEMS - AREA A
E222B	LEVEL 02 PLAN - SYSTEMS - AREA B
E223A	LEVEL 03 PLAN - SYSTEMS - AREA A
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E312	LEVEL 03 IT ROOM - ELECTRICAL
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E401	ELECTRICAL DETAILS
E402	ELECTRICAL SYSTEMS DETAILS
E403	ELECTRICAL SYSTEMS DETAILS
E500	ELECTRICAL DEMO RISER
E501	ELECTRICAL NEW RISER
E502	ELECTRICAL NEW RISER CONT.
E600	LIGHTING SCHEDULES
E700	PANEL SCHEDULES
E701	PANEL SCHEDULES
E702	PANEL SCHEDULES
E703	PANEL SCHEDULES
E704	PANEL SCHEDULES
E705	PANEL SCHEDULES

1/16/2023
Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number:
#001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#00127265

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS

A000

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COVER SHEET

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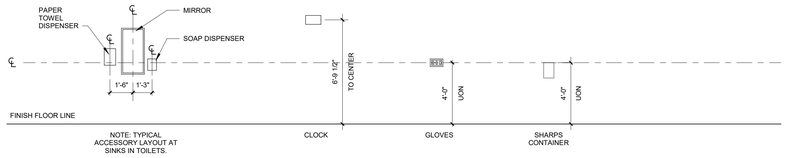
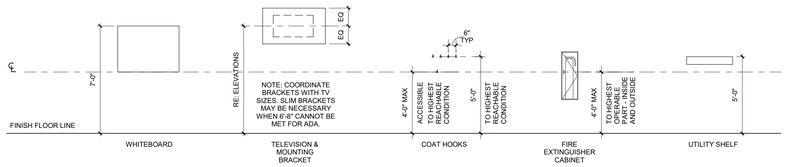
GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH A.D.A. REQUIREMENTS AND ALL APPLICABLE LOCAL, STATE, AND FEDERAL BUILDING CODES AND REGULATIONS.
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY BUILDING PERMITS.
3. 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.
4. DO NOT SCALE DRAWINGS.
5. THE WORD "ALIGN" AS USED IN THESE DOCUMENTS SHALL SUPERSEDE ANY DIMENSIONAL INFORMATION GIVEN.
6. 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.
7. 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.
8. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN-UP.
9. THE GENERAL CONTRACTOR SHALL INSPECT AND CHECK THE ADEQUACY AND INSTALLATION OF THROUGH-WALL FLASHING PRIOR TO COVERING WITH FINISH MATERIALS. THIS SHALL INCLUDE, BUT IS NOT LIMITED TO INSPECTION AGAINST HOLES OR PENETRATIONS, APPROPRIATE LAPPING AND SEALING, AND OVERALL WORKMANSHIP IN CONFORMANCE WITH THE SPECIFICATIONS.

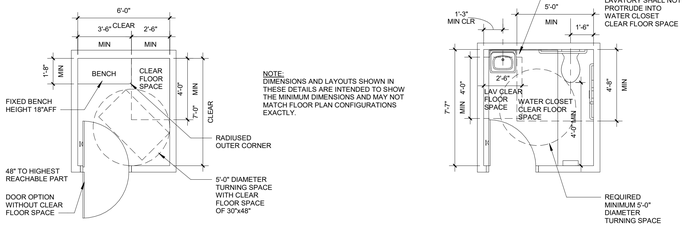




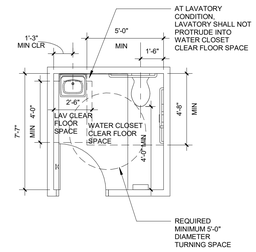
EQUIPMENT MOUNTING HEIGHTS
1/4" = 1'-0"

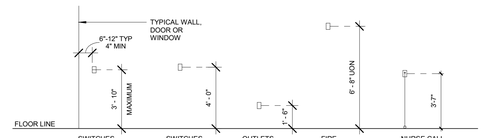
GENERAL NOTES:

1. ANY OBJECTS PROJECTING MORE THAN 4 INCHES FROM THE FINISHED FACE OF WALL INTO A CIRCULATION PATH SHALL NOT HAVE A HEAD CLEARANCE OF LESS THAN 80" (6'-8").
2. GENERAL CONTRACTOR TO INSTALL FIRE RETARDANT WOOD BLOCKING FOR ALL EQUIPMENT OVER 50LBS AND FIRE RETARDANT PLYWOOD FOR EQUIPMENT UNDER 50 LBS, AS REQUIRED FOR THE MOUNTING OF ALL EQUIPMENT.



NOTE:
DIMENSIONS AND LAYOUTS SHOWN IN THESE DETAILS ARE INTENDED TO SHOW THE MINIMUM DIMENSIONS AND MAY NOT MATCH FLOOR PLAN CONFIGURATIONS EXACTLY.





C ACCESSIBLE DRESSING ROOM

B ACCESSIBLE TOILET

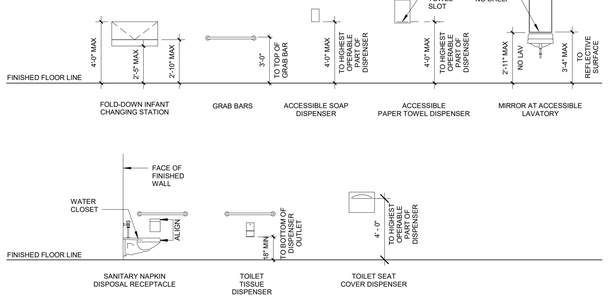
GENERAL ADA TOILET DIMENSIONS
1/4" = 1'-0"

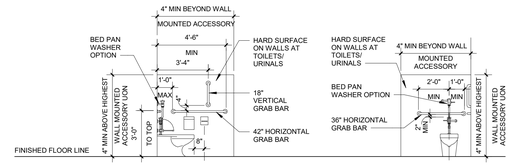
ELECTRICAL DEVICE MOUNTING HEIGHTS
1/4" = 1'-0"

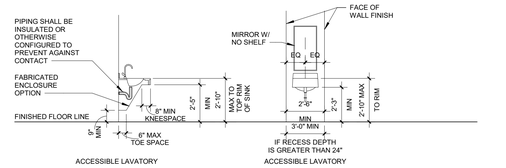
NOTE: INFANT CHANGING STATION SHALL NOT PROTRUDE FROM WALL MORE THAN 4". IF INFANT CHANGING STATION PROTRUDES MORE THAN 4" FROM WALL, BOTTOM OF INFANT CHANGING STATION SHALL BE LESS THAN 27" ABOVE FINISH FLOOR.

NOTE: OPERABLE PARTS SHALL NOT BE LOCATED MORE THAN 48" A.F.F. WHEN IN THE CLOSED POSITION.

NOTE: PROVIDE 1-1/2" MIN. CLEARANCE FROM BOTTOM OF GRAB BAR TO TOP OF SANITARY NAPKIN DISPOSAL RECEPTACLE.

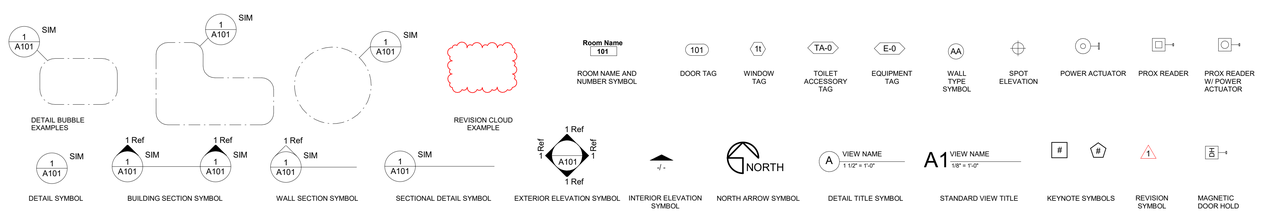






TOILET ACCESSORY MOUNTING HEIGHTS
1/4" = 1'-0"

TYPICAL FIXTURE ELEVATION
1/4" = 1'-0"



SYMBOLS
1/4" = 1'-0"

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Kansas City Services Department
Kansas City, Missouri
01/16/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
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Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
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#000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
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#00127265

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS

A010

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GENERAL NOTES, LEGENDS & SYMBOLS

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A2 FIRST FLOOR - ASC CODE PLAN
1/16" = 1'-0"

NORTH

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CODE SUMMARY

Project Construction Purpose: New 3 story addition and partial renovation of existing ASC building.
Project Address:
Saint Luke's East Hospital
120 NE Saint Luke's Blvd
Lee's Summit, MO 64063

Code Information
2018 International Building Code
2018 International Plumbing Code
2018 International Mechanical Code
2017 National Electrical Code (NFPA 70)
2018 International Fire Code
2012 Life Safety Code (NFPA 101 Chapter 20)
2009 ICC/ANSI A117.1 as amended and adopted by the City of Lee's Summit
2010 ADA Standards for Accessible Design / Americans with Disabilities Act of 1990

State of Missouri Dept. of Health & Environment references the following codes:
2012 NFPA 101 Life Safety Code (LSC)
2018 FGI Guidelines for Design & Construction of Hospitals & Outpatient Facilities

Note: If code requirements overlap, the most stringent shall apply.

Owner Information
Saint Luke's East Hospital
120 NE Saint Luke's Blvd
Lee's Summit, MO 64063

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

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

Type of Construction: I-A

Area of Renovation and Addition

1st floor addition	18,000+/- SF
1st floor renovation	23,601+/- SF
2nd floor addition	16,700+/- SF
2nd floor renovation	28,098+/- SF
3rd floor addition	27,514+/- SF
Total addition:	62,214+/- SF
Total renovation:	51,699+/- SF
Total sf of new construction:	113,913+/- SF

Occupancy Group: B - Ambulatory Healthcare
Max Travel Distance: 200' (NFPA 101 20.2.6.2.1)

Occupant Load: 150SF/OCC (table 1004.5)

1st floor: 41,601/150 =	278
2nd floor: 44,798/150 =	299
3rd floor: 27,514/150 =	184
Total Number of Occupants =	761

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
Shaft Enclosure	2 HR
Stair Enclosure	2 HR

Fire Separation: (table 508.4)
2HR separation between tenants I2-B
1HR separation between tenants B-B

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

AREA DESIGNATIONS

- CORRIDOR
- EXIT ENCLOSURE
- HAZARDOUS ROOM
- SHAFT

BOUNDARY DESIGNATIONS

- SMOKE COMPARTMENT
  1 HR SMOKE BARRIER
- NOT IN ARCHITECTURAL SCOPE

SYMBOLS

- FIRE EXIT
- OCCUPANT LOAD
- EXIT WIDTH PROVIDED
- EXIT WIDTH REQUIRED
- NEW FIRE EXTINGUISHER CABINET
- EXISTING FIRE EXTINGUISHER CABINET
- EXIT SIGN
- FIRE DOOR RATING
- TRAVEL DISTANCE
- FIRE/SMOKE DAMPER
- SMOKE DETECTOR
- HEAT DETECTOR

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Building Services Department
Lee's Summit, Missouri
01/16/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT

1/16/2023

Samuel K. Beckman - Architect
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ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
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BHC
7101 College Blvd, Suite 400
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CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
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Revision

Number	Date	Description
3	Date 3	Revision 3

CONSTRUCTION DOCUMENTS

A021

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FIRST FLOOR CODE FOOTPRINT PLAN

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A5 THIRD FLOOR - MULTISPECIALTY CODE PLAN
1/16" = 1'-0"

NORTH

A2 SECOND FLOOR - ROCKHILL CODE PLAN
1/16" = 1'-0"

NORTH

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- 2 HR FIRE BARRIER
- 2 HR FIRE SMOKE BARRIER
- 3 HR FIRE BARRIER

AREA DESIGNATIONS

- CORRIDOR
- EXIT ENCLOSURE
- HAZARDOUS ROOM
- SHAFT

BOUNDARY DESIGNATIONS

- SMOKE COMPARTMENT 1 HR SMOKE BARRIER
- NOT IN ARCHITECTURAL SCOPE

SYMBOLS

- FIRE EXIT
- OCCUPANT LOAD
- EXIT WIDTH PROVIDED
- EXIT WIDTH REQUIRED
- NEW FIRE EXTINGUISHER CABINET
- EXISTING FIRE EXTINGUISHER CABINET
- EXIT SIGN
- FIRE DOOR RATING
- TRAVEL DISTANCE
- FIRE/SMOKE DAMPER
- SMOKE DETECTOR
- HEAT DETECTOR

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Lee's Summit, Missouri
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SAMUEL K. BECKMAN
A-2011012130
ARCHITECT
1/16/2023
Samuel K. Beckman - Architect
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100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS

A022

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SECOND AND THIRD FLOOR CODE FOOTPRINT PLAN

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Ballwin, Missouri
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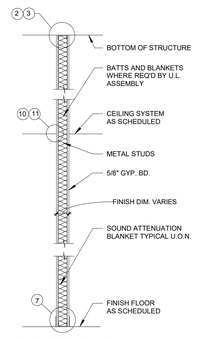
1/16/2023

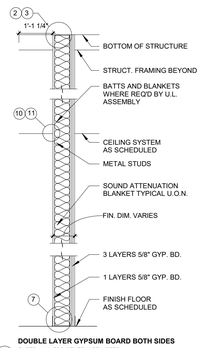
Samuel K. Beckman - Architect
License - Missouri #A-2011012130



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

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

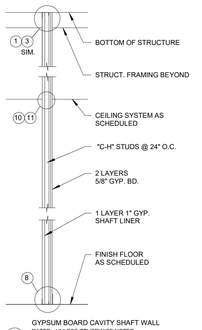
1 HOUR FIRE SEPARATION
U.L. U405 FOR 3 5/8" STUDS
U.L. U442 AT TILED WALLS
U.L. U451 FOR 2 1/2" STUDS



D **DOUBLE LAYER GYPSUM BOARD BOTH SIDES**
RATED - UNLESS OTHERWISE NOTED
1/2" = 1'-0"

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

2 HOUR FIRE SEPARATION
U.L. U408

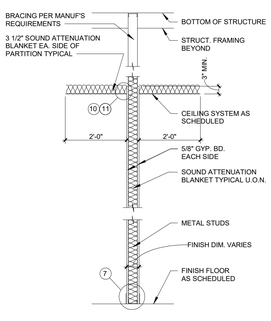


F GYPSUM BOARD CAVITY SHAFT WALL
RATED - UNLESS OTHERWISE NOTED
1/2" = 1'-0"

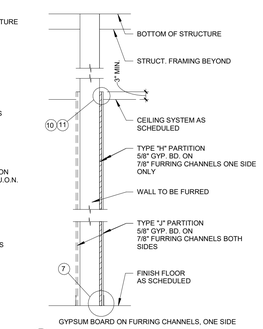
U.L. DESIGNATIONS AT RATED WALLS AS INDICATED ON LIFE SAFETY PLAN

1 HOUR FIRE SEPARATION
U.L. U415

2 HOUR FIRE SEPARATION
U.L. U415

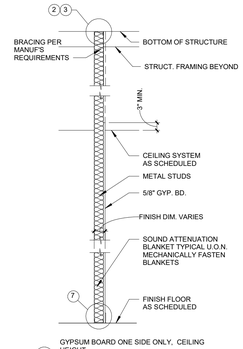


G GYPSUM BOARD CEILING HEIGHT
1/2" = 1'-0"



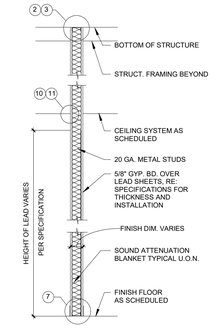
H GYPSUM BOARD ON FURRING CHANNELS, ONE SIDE
1/2" = 1'-0"

J GYPSUM BOARD ON FURRING CHANNELS, BOTH SIDE
1/2" = 1'-0"

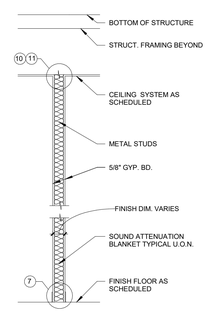


K GYPSUM BOARD ONE SIDE ONLY, CEILING HEIGHT
1/2" = 1'-0"

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



N LEAD LINED PARTITION
1/2" = 1'-0"



O GYPSUM BOARD PARTITION AND CEILING
1/2" = 1'-0"

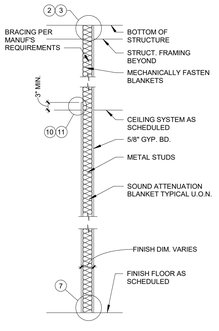
PARTITION GENERAL NOTES

1. UNLESS NOTED OTHERWISE, ALL INTERIOR METAL STUDS ARE 3 5/8" THICK. REFER TO SUFFIX SCHEDULE BELOW FOR LOCATIONS OF METAL STUDS OTHER THAN 3-5/8" THICK. NOTE: STUD THICKNESS (GAUGE) MUST CONFORM TO MANUFACTURER'S RECOMMENDATIONS FOR SPAN (HEIGHT OF STUD)
2. 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
4	6 3/4" MTL. STUDS

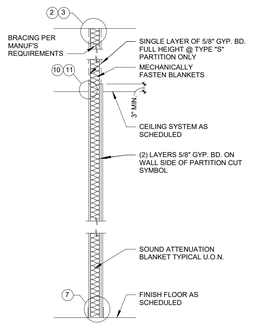
3. UNLESS NOTED OTHERWISE, ALL INTERIOR DRYWALL PARTITIONS INDICATED ON THE FLOOR PLAN DRAWING ARE TYPE 'A' PARTITIONS. WHERE OCCURS, RATINGS ARE AS INDICATED ON THE LIFE SAFETY PLANS.
4. UNLESS NOTED OTHERWISE, ALL CMU PARTITIONS ARE 7-5/8", 8" NOMINAL. REFER TO SUFFIX SCHEDULE BELOW FOR LOCATIONS OF CMU PARTITIONS OTHER THAN 8" NOMINAL.
5. 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.
6. ALL STUDS ARE CONTINUOUS FROM FLOOR STRUCTURE TO CEILING STRUCTURE UNLESS NOTED OTHERWISE.
7. METAL STUDS ARE SPACED @ 16" O.C. MAX., UNLESS NOTED OTHERWISE.
8. UNLESS NOTED OTHERWISE, ALL GYPSUM BOARD IS TO BE 5/8" THICK "FIRECODE".
9. THE LOCATION OF A CHANGE IN THE PARTITION TYPE IS INDICATED BY A WALL TAG.

10. THE CORRESPONDING RATED ASSEMBLIES ARE INDICATED BELOW THE PARTITION TYPES.
11. PARTITION TYPE DESIGNATIONS ARE INDICATED ON THE FLOOR PLAN DRAWINGS.
12. PARTITION TYPES DO NOT INCLUDE APPLIED FINISHES CALLED FOR IN THE ROOM FINISH SCHEDULE.
13. 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.



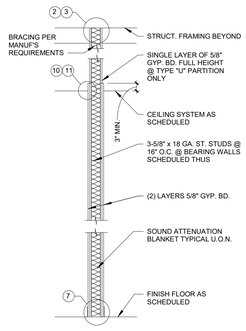
P 0 HR PARTITION - GYPSUM BOARD TO STRUCTURE ON ONE SIDE, ABOVE CEILING ON OTHER
1/2" = 1'-0"

0 HR. SMOKE RESISTIVE



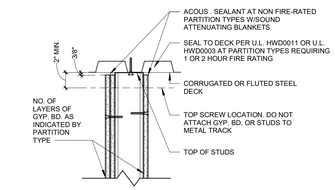
R DOUBLE LAYER OF 5/8" GYP. BD. ONE SIDE, SINGLE LAYER OF 5/8" GYP. BD. ONE SIDE, CEILING HEIGHT
1/2" = 1'-0"

S DOUBLE LAYER OF 5/8" GYP. BD. ONE SIDE, INSIDE LAYER TO STRUCTURE
1/2" = 1'-0"

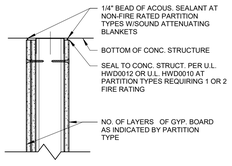


T DOUBLE LAYER OF 5/8" GYP. BD. BOTH SIDES, CEILING HEIGHT
1/2" = 1'-0"

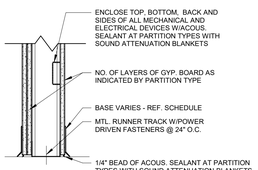
U DOUBLE LAYER OF 5/8" GYP. BD. BOTH SIDES, INSIDE LAYER TO STRUCTURE
1/2" = 1'-0"



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

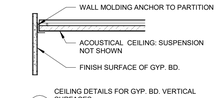


3 TOP ANCHORAGE OF PARTITION TO CONCRETE STRUCTURE SEE 3A AND 3B FOR ADDITIONAL INFORMATION
1-1/2" = 1'-0"

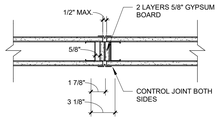


7 FLOOR ANCHORAGE OF PARTITION
1-1/2" = 1'-0"

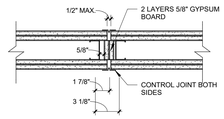
10 SUSPENDED GYP. BD. CEILING
1-1/4" = 1'-0"



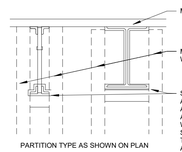
11 CEILING DETAILS FOR GYP. BD. VERTICAL SURFACES
1-1/4" = 1'-0"



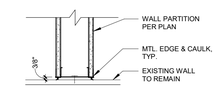
13 ONE HOUR RATED CONTROL JOINT WHI-495-PSV-0824
1-1/2" = 1'-0"



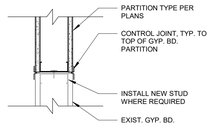
14 TWO HOUR RATED CONTROL JOINT WHI-495-PSV-0824
1-1/2" = 1'-0"



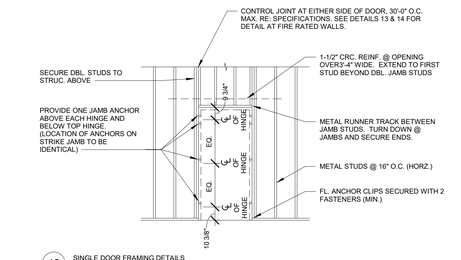
15 PARTITION CLOSURE DETAIL AT STEEL STRUCTURE
1-1/2" = 1'-0"



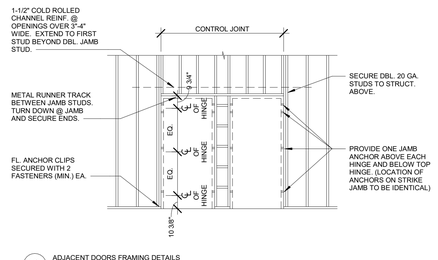
16 TYP. DETAIL @ NEW/EXISTING GYP. BD. WALL
1-1/2" = 1'-0"



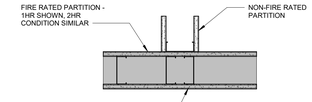
17 TYP. DETAIL @ NEW/EXISTING GYP. BD. WALL INFILL
1-1/2" = 1'-0"



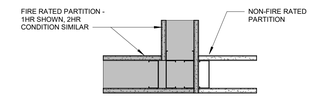
18 SINGLE DOOR FRAMING DETAILS
1/4" = 1'-0"



19 ADJACENT DOORS FRAMING DETAILS
1/4" = 1'-0"



B1 FIRE-RATED PARTITION "T" TRANSITION - PLAN DETAIL
1 1/2" = 1'-0"



A1 FIRE-RATED PARTITION CORNER TRANSTION - PLAN DETAIL
1 1/2" = 1'-0"

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number: #001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #00127265

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision
Number Date Description

CONSTRUCTION DOCUMENTS

A030

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PARTITION TYPES AND DETAILS

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/3-21037_ASC Expansion & Renovation.rvt

1/17/2023 9:41:25 AM

UL Product iQ®

BXUV.U465 - Fire-resistance Ratings - ANSI/UL 263

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

Fire-resistance Ratings - ANSI/UL 263

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States
Design Criteria and Allowable Variances

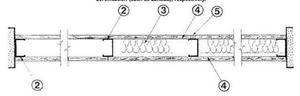
See General Information for Fire-resistance Ratings - CAN/ULC-S101 Certified for Canada
Design Criteria and Allowable Variances

Design No. U465

December 01, 2022

Nonbearing Wall Rating — 1 HR.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Floor and Ceiling Runners —** (Not Shown) — Channel shaped runners, 3-5/8 in. deep (min), 1-1/4 in. legs, formed from min No. 25 MSG galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

1A. **Framing Members* — Floor and Ceiling Runners** — (Not Shown) — As an alternate to Item 1 — Channel shaped, min 3-5/8 in. deep, attached to floor and ceiling with fasteners spaced 24 in. OC max.
ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D24/308DD and Type SUPREME D20

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/308DD and Type SUPREME D20

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/308DD and Type SUPREME D20

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/308DD and Type SUPREME D20

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D24/308DD and Type SUPREME D20

TELLING INDUSTRIES L L C — Type SUPREME D24/308DD and Type SUPREME D20

UNITED METAL PRODUCTS INC — Type SUPREME D24/308DD and Type SUPREME D20

1B. **Framing Members* — Floor and Ceiling Runners** — Not Shown — In lieu of Item 1 — For use with Item 2B, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™ Track

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track

1C. **Floor and Ceiling Runners —** (Not Shown) — For use with Item 2C — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, min depth to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners spaced max 24 in. OC.

1D. **Framing Members* — Floor and Ceiling Runners** — Not Shown — In lieu of Items 1 through 1C — For use with Item 2D and 4G only, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD

DMFCWBS L L C — ProTRAK

MBA METAL FRAMING — ProTRAK

RAM SALES L L C — Ram ProTRAK

STEEL STRUCTURAL PRODUCTS L L C — Tri S ProTRAK

1E. **Framing Members* — Floor and Ceiling Runners** — Not Shown — In lieu of Items 1 through 1D — For use with Item 2E and 4I only, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
TELLING INDUSTRIES L L C — TRUE-TRACK™

1F. **Framing Members* — Floor and Ceiling Runners** — Not Shown — In lieu of Items 1 through 1E — For use with Item 2, channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 25 MSG steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
KIRII (HONG KONG) LTD — Type KIRII

1G. **Framing Members* — Floor and Ceiling Runners** — Not Shown — In lieu of Items 1 through 1F — For use with Item 2, channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide, attached to floor and ceiling with fasteners spaced 24 in. OC max.
STUDCO BUILDING SYSTEMS — CROCSTUD Track

1H. **Floor and Ceiling Runners —** (Not Shown) — Channel shaped, fabricated from min 0.02 in. galv steel, min width to accommodate stud size, with min 1 in. long legs, for use with studs specified below and fabricated from min 0.02 in. galv steel or thicker, attached to floor and ceiling with fasteners spaced max 24 in. OC.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track VT100

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track VT100

1I. **Framing Members* — Floor and Ceiling Runners** — Not Shown — In lieu of Item 1 — For use with Item 2H, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track

1J. **Framing Members* — Floor and Ceiling Runners** — Not Shown — In lieu of Items 1 — For use with Item 2 L, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
RESCUE METAL FRAMING, L L C — AlphaTRAK

1K. **Framing Members* — Floor and Ceiling Runners** — Not Shown — In lieu of Item 1 — For use with Item 2M, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep, fabricated from min 25 MSG (0.018 in. min. bare metal thickness), attached to floor and ceiling with fasteners spaced 24 in. OC max.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper X Track

1L. **Framing Members* — Floor and Ceiling Runners** — Not Shown — In lieu of Item 1 — For use with Item 2N, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
CRACO MFG INC — SmartTrack20™

2. **Steel Studs —** Channel shaped, 3-5/8 in. deep (min), formed from min No. 25 MSG galv steel spaced 24 in. OC max. Studs to be cut 3/4 in. less than assembly height.

2A. **Framing Members* — Steel Studs** — As an alternate to Item 2 — Channel shaped studs, min 3-5/8 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D24/308DD and Type SUPREME D20

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/308DD and Type SUPREME D20

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/308DD and Type SUPREME D20

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/308DD and Type SUPREME D20

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D24/308DD and Type SUPREME D20

TELLING INDUSTRIES L L C — Type SUPREME D24/308DD and Type SUPREME D20

UNITED METAL PRODUCTS INC — Type SUPREME D24/308DD and Type SUPREME D20

2B. **Framing Members* — Steel Studs** — Not Shown — In lieu of Item 2 — For use with Item 1B, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/4 in. less in length than assembly height.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™

CRACO MFG INC — SmartStud20™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™

IMPERIAL MANUFACTURING GROUP INC — Viper20™

2C. **Steel Studs —** (As an alternate to Item 2, For use with Item 1C) — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min depth, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height. See materials in Item(s) 4 that require Item 2C studs.

2D. **Framing Members* — Steel Studs** — As an alternate to Items 2 through 2C — For use with Item 1D and 4G only, channel shaped studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height.
CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD

DMFCWBS L L C — ProSTUD

MBA METAL FRAMING — ProSTUD

RAM SALES L L C — Ram ProSTUD

STEEL STRUCTURAL PRODUCTS L L C — Tri S ProSTUD

2E. **Framing Members* — Steel Studs** — As an alternate to Items 2 through 2D — For use with Item 1E and 4I only, channel shaped studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height.
TELLING INDUSTRIES L L C — TRUE-STUD™

2F. **Framing Members* — Steel Studs** — As an alternate to Items 2 through 2E — For use with Item 1F, channel shaped studs, min 3-5/8 in. wide fabricated from min 25 MSG steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height.
KIRII (HONG KONG) LTD — Type KIRII

2G. **Framing Members* — Steel Studs** — Not Shown — In lieu of Item 2 through 2F — For use with Item 1G. Proprietary channel shaped studs, minimum 3-5/8 in. wide. Studs to be cut 1/2 in. less than the assembly height.
STUDCO BUILDING SYSTEMS — CROCSTUD

2H. **Framing Members* — Steel Studs** — Not Shown — In lieu of Item 2 — For use with Item 1I, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/4 in. less in length than assembly height.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™

2I. **Framing Members* — Steel Studs** — In lieu of Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, 3-5/8 in. deep (min), spaced 24 in. OC. Max. Studs to be cut 3/4 in. less than assembly height.
IIB METAL INC — NITROSTUD

2J. **Framing Members* — Steel Studs** — In lieu of Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, 3-5/8 in. deep (min), spaced 24 in. OC. Max. Studs to be cut 3/4 in. less than assembly height.
OLMAR SUPPLY INC — PRIMESTUD

2K. **Framing Members* — Steel Studs** — As an alternate to Item 2 — For use with Item 1B (3-5/8 in. wide track), channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, 1-1/4 in. wide by 3-5/8 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — StudRite™

2L. **Framing Members* — Steel Studs** — As an alternate to Items 2 — For use with Item 1 L, channel shaped studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
RESCUE METAL FRAMING, L L C — AlphaSTUD

2M. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — For use with Item 1K, proprietary channel shaped steel studs, min 1-1/4 in. wide by min 3-5/8 in. deep, fabricated from min 25 MSG (0.018 in. min. bare metal thickness). Studs cut 3/4 in. less in length than assembly height.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper X

2N. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — For use with Item 1L, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/4 in. less in length than assembly height.
CRACO MFG INC — SmartStud20™

3. **Batts and Blankets* —** (Optional) — Mineral wool or glass fiber batts partially or completely filling stud cavity.
See **Batts and Blankets** (BZJZ) category for names of Classified companies.

ROCKWOOL — Type APB, min. density 1.69 pcf / 27.0 kg/m^3

ROCKWOOL MALAYSIA SDN BHD — Type Acoustical Fire Batts

3A. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 3) — (100% Borate Formulation) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft^3. Alternate Application Method: The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft^3, in accordance with the application instructions supplied with the product.
Applegate Greenfiber Acquisition LLC — INS735, INS745, INS750LD, and Insulmax for use with wet or dry application. INS765LD and INS775LD are to be used for dry application only.

3B. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 3) — Spray-applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.

NU-WOOL CO INC — Cellulose Insulation

3C. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 3) — Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. To facilitate the installation of the material, any thin, woven or non-woven netting may be attached by any means possible to the outer face the studs. The material shall reach equilibrium moisture content before the installation of materials on either face of the studs. The minimum dry density shall be 5.79 lb/ft^3.
APPLEGATE HOLDINGS L L C — Applegate Advanced Stabilized Cellulose Insulation

3G. **Foamed Plastic* —** As an alternate to Batts and Blankets (Item 3), for use with Item 4D — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity. When foamed plastic is used, minimum stud depth shall be 3-1/2 in.

CARLISLE SPRAY FOAM INSULATIONS — Type SealTite Pro Closed Cell (CC), SealTite Pro Open Cell (OC), SealTite Pro DCX, SealTite Pro NCX, FoamStar Pro Tite 211, SealTite Pro One Zero, Foamulate Closed Cell, Foamulate OCX, Foamulate 70, and Foamulate HFO.

3H. **Foamed Plastic* —** As an alternate to Batts and Blankets (Item 3), for use with Item 4W — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with min. 20 MSG thickness.

BASF CORP – Emerfoam® NM, Emerfoam® G, RI178®, Spraytite® 178, Spraytite® 81206, Walltite® 200, Walltite® US, Walltite® US-N, Walltite® HP+, RI137®, RI158®, Spraytite® 158, Spraytite® SP and Spraytite® 81205

4. **Gypsum Board* —** 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S bugle head screws spaced 8 in. OC, along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly. When using ULIX, panels need not be staggered in horizontal applications and screw spacing can be increased to 12 in. OC in field and perimeter. When using ULIX, panels need not be staggered in horizontal applications and screw spacing can be increased to 12 in. OC in field and perimeter.
GSC INC — Type SCX, ULIX

UNITED STATES GYPSUM CO — Types SCX, ULIX

USG BORAL DRYWALL SFZ LLC — Type SCX

4I. **Gypsum Board* —** (Not Shown) — (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2C) — Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to studs with 1-1/4 in. long Type S-12 screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 9A) or Lead Discs (see Item 10A).
MAYCO INDUSTRIES INC — Type X-Ray Shielded Gypsum

4K. **Gypsum Board* —** (As an alternate to Item 4 and 4A, not for use with Items 1D, 1E, 2D and 2E) — Nom. 5/8 in. thick gypsum panels with beveled, square or tapered edges installed as described in Item 4 and 4A.
CGC INC — Type ULX

UNITED STATES GYPSUM CO — Type ULX

USG MEXICO S A DE C V — Type ULX

4M. **Gypsum Board* —** (For use with Item 8) — 5/8 in. thick, 4 ft wide, applied vertically over Mineral and Fiber Board (Item 8) with vertical joints located anywhere over stud cavities. Secured to mineral and fiber boards with 1-1/2 in. Type G Screws spaced 8 in. OC along edges of each vertical joint and 12 in. OC in intermediate field of the Mineral and Fiber Board (Item 8). Secured to outermost studs and floor and ceiling runners with 2 in. long Type S screws spaced 8 in. OC. Gypsum Board joints covered with paper tape and joint compound. Screw heads covered with joint compound.
AMERICAN GYPSUM CO — Type AG-C

CERTAINTEED GYPSUM INC — Type C

CGC INC — Types C, IP-X2, IPC-AR

CERTAINTEED GYPSUM INC — Type GFIC-C/A

GEORGIA-PACIFIC GYPSUM L L C — Types S, DAPC, TG-C

NATIONAL GYPSUM CO — Types eXP-C, FSK-C, FSW-C

PABCO BUILDING PRODUCTS L C, DBA PABCO GYPSUM — Type PG-C

PANEL REY S A — Types PRC, PRC2

SAINT-GOBAIN GYPROC MIDDLE EAST FZE — Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop M2TECH, Gyproc FireStop ACTIV'Ax, Gyproc FireStop MR ACTIV'Ax, Gyproc FireStop M2TECH ACTIV'Ax, Gyproc DuraLine, Gyproc DuraLine MR, Gyproc DuraLine M2TECH, Gyproc DuraLine ACTIV'Ax, Gyproc DuraLine MR ACTIV'Ax, Gyproc DuraLine M2TECH ACTIV'Ax

THAI GYPSUM PRODUCTS PCL — Type X, Type C

UNITED STATES GYPSUM CO — Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, ULSGX, WRC, WRX (Joint tape and compound, Item 5, optional for use with Type USGX)

USG BORAL DRYWALL SFZ LLC — Types C, SCX, USGX (Joint tape and compound, Item 5, optional for use with Type USGX)

USG MEXICO S A DE C V — Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, USGX, WRC or WRX (Joint tape and compound, Item 5, optional for use with Type USGX)

4N. **Wall and Partition Facings and Accessories* —** (As an alternate to Item 4) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 4.
PABCO BUILDING PRODUCTS L C, DBA PABCO GYPSUM — Type QuietRock 527

4O. **Gypsum Board* —** As an alternate to Items 4, 4A, 4B, and 4C — Two layers Nom. 5/16 in. thick gypsum panels applied vertically or horizontally. Horizontal edges and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Horizontal joints on the same side need not be staggered. When applied horizontally, both layers of gypsum board fastened to each side of framing with 1 in. long Type S steel screws spaced 8 in. OC and staggered 4 in. OC between layers. When applied vertically, both layers of gypsum board fastened to each side of framing with 1 in. long Type S steel screws spaced 8 in. OC along vertical edges and 12 in. OC in the field, staggered 4 in. OC between layers. Screws spaced a max 12 in. along the top and bottom edges of the wall.
NATIONAL GYPSUM CO — Type FSW

4P. **Gypsum Board* —** As an alternate to Item 4. Nom 5/8 in. thick, 4 ft wide, Nom 5/8 in. thick gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Panels attached to steel studs and runners with 1 in. long Type S steel screws spaced 12 in. OC when applied horizontally or vertically. When used in widths other than 48 in., gypsum panels to be installed horizontally.
GSC INC — Type ULIX

UNITED STATES GYPSUM CO — Type ULIX

4Q. **Gypsum Board* —** (As an alternate to Items 4 through 4D) — Installed as described in Item 4. 5/8 in. thick, 4 ft. wide, applied vertically only and fastened to the studs and plates with 1 in. long, Type S steel screws spaced, 12 in. OC.
NATIONAL GYPSUM CO — Type SRWB

4R. **Gypsum Board* —** (Not Shown) — (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2C) - Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.
RAY-BAR ENGINEERING CORP — Type RB-LBG

4G. **Gypsum Board* —** (As an alternate to Items 4 through 4F) — For use with Items 1D and 2D only, 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S steel screws spaced 8 in. OC. along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly. When using ULIX, panels need not be staggered in horizontal applications and screw spacing can be increased to 12 in. OC in field and perimeter.
GSC INC — Type SCX, ULIX

CERTAINTEED GYPSUM INC — Type GFCX/A, GSFC-C/A

NATIONAL GYPSUM CO — Types FSW

UNITED STATES GYPSUM CO — Type SCX, ULIX

USG BORAL DRYWALL SFZ LLC — Type SCX

4H. **Gypsum Board* —** (As an alternate to Items 4 through 4G) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 4.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock ES

b **Steel Framing Members* —** Used to attach furring channels (Item 6A) to studs. Clips spaced maximum 48 in. OC. Clips secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips.

CLARKDIETRICH BUILDING SYSTEMS — Type ClarkDietrich Sound Clip

6F. **Steel Framing Members* —** (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:
a. **Furring Channels** — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 6. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 4. Not for use with Items 4F, 4I, or 4L.

b. **Steel Framing Members* —** Used to attach furring channels (Item 6A) to studs. Clips spaced 48 in. OC., and secured to studs with No. 10 x 2 in. screw through the center hole. Furring channels are friction fit into clips.
MASON INDUSTRIES INC — Type CWC-50

7. **Wall and Partition Facings and Accessories* —** (Optional, Not Shown) — Nominal 1/2 in. thick, 4 ft wide panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the GP-500 or GP-510 panel is installed between the steel framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock QR-500 and QR-510

8. **Mineral and Fiber Board* —** (Optional, Not Shown) — For optional use as an additional layer on one side of wall. Nom 1/2 in. thick, 4 ft wide with long dimension parallel and centered over studs. Attached to studs and floor and ceiling runners with 1-5/8 in. long Type S steel screws, spaced 12 in. OC and 24 in. OC along all intermediate framing. The required UL Classified gypsum board layer is to be installed over the Mineral and Fiber Boards and secured to studs with length of fasteners increased by 1/2 in. over the length specified for installation of the gypsum boards. Batts and Blankets, Item 3, are optional unless otherwise required. Not for use with Items 4F, 4I, 4L, and 4M.
ROCKWOOL — Type APB, min. density 1.69 pcf / 27.0 kg/m^3

ROCKWOOL MALAYSIA SDN BHD — Type Acoustical Fire Batts

4A. **Gypsum Board* —** (As alternate to Item 4) — Nom 5/8 in. thick gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Panels attached to steel studs and floor runner with 1 in. long Type S steel screws spaced 8 in. OC when applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. When used in widths other than 48 in., gypsum panels to be installed horizontally. When using ULIX, panels need not be staggered in horizontal applications and screw spacing can be increased to 12 in. OC in field and perimeter.
CERTAINTEED GYPSUM INC — Type X-1, Type C, Type EGRG/ GlasRoc, GlasRoc-2, Type SilentFX, Exci-Lite Type X-2

CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, USGX, WRC or WRX (Joint tape and compound, Item 5, optional for use with Type USGX)

CERTAINTEED GYPSUM INC — Types GSFC2A, GSFC5A, LGFC-C/A, LGFC-WD

GEORGIA-PACIFIC GYPSUM L L C — Types DAP, DAPC, DGG, DS

SAINT-GOBAIN GYPROC MIDDLE EAST FZE — Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop M2TECH, Gyproc FireStop ACTIV'Ax, Gyproc FireStop MR ACTIV'Ax, Gyproc FireStop M2TECH ACTIV'Ax, Gyproc DuraLine, Gyproc DuraLine MR, Gyproc DuraLine M2TECH, Gyproc DuraLine ACTIV'Ax, Gyproc DuraLine MR ACTIV'Ax, Gyproc DuraLine M2TECH ACTIV'Ax

THAI GYPSUM PRODUCTS PCL — Type X, Type C

UNITED STATES GYPSUM CO — Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, USGX, WRC, WRX (Joint tape and compound, Item 5, optional for use with Type USGX)

USG BORAL DRYWALL SFZ LLC — Types C, SCX, USGX (Joint tape and compound, Item 5, optional for use with Type USGX)

USG MEXICO S A DE C V — Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, USGX, WRC or WRX (Joint tape and compound, Item 5, optional for use with Type USGX)

4B. **Gypsum Board* —** (As an alternate to Item 4 and 4A) — Nom 3/4 in. thick, 4 ft wide, installed as described in Item 4A with screw length increased to 1-1/4 in.

CGC INC — Types AR, IP-AR

UNITED STATES GYPSUM CO — Types AR, IP-AR

USG MEXICO S A DE C V — Types AR, IP-AR

4C. **Gypsum Board* —** As an alternate to Items 4, 4A, and 4B — Nom. 5/8 in. thick gypsum panels, with square edges, applied horizontally. Gypsum panels fastened to framing with 1 in. long bugle head steel screws spaced a max 8 in. OC, with last 2 screws 3/4 in. and 4 in. from each edge of board. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs on interior walls need not be staggered or backed by steel framing.
GEORGIA-PACIFIC GYPSUM L L C — Type DGG, GreenGlass Type X

4D. **Gypsum Board* —** As an alternate to Items 4, 4A, 4B, and 4C — Nom. 5/8 in. thick gypsum panels applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Gypsum panels fastened to framing with 1 in. long Type S steel screws 12 in. OC along vertical edges and in the field. Screws spaced a max 12 in. along the top and bottom edges of the wall for both vertical and horizontal applications. When used in widths other than 48 in., gypsum panels to be installed horizontally.
NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSK-G, FSL, FSW-C, FSW-G, FSW, FSW-3, FSW-5, FSW-6, FSWR-C

4E. **Gypsum Board* —** (As an alternate to Items 4 through 4D) — Installed as described in Item 4. 5/8 in. thick, 4 ft. wide, applied vertically and fastened to the studs and plates with 1 in. long, Type S steel screws spaced, 12 in. OC.
NATIONAL GYPSUM CO — Type SRWB

4I. **Gypsum Board* —** (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2C) - Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.
RAY-BAR ENGINEERING CORP — Type RB-LBG

4J. **Gypsum Board* —** (As an alternate to Item 4 when Foam Plastic insulation Item 3G is used) — Any 5/8 in. thick, 4 ft. wide, Gypsum Board listed in Item 4 above. Applied vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Gypsum panels secured to studs with 1 in. long Type S steel screws spaced 8 in. OC at perimeter and in the field. For 2 layer assemblies outer layer will be attached to studs over inner layer with 1-5/8 in. long steel screws spaced 8 in. OC.

4V. **Gypsum Board* —** (As an alternate to Item 4, for 1 hr. rating) — Nom. 5/8 in. thick gypsum panels applied vertically or horizontally. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Gypsum panels fastened to framing with 1 in. long Type S steel screws 12 in. OC along vertical edges and in the field. Screws spaced a max 12 in. along the top and bottom edges of the wall for both vertical and horizontal applications.
CERTAINTEED GYPSUM INC — Type X-1, SilentFX, GlasRoc Type C

4W. **Gypsum Board* —** (As an alternate to Item 4 when Foam Plastic insulation Item 3H is used) — Any 5/8 in. thick, 4 ft. wide, Gypsum Board listed in Item 4 above. Applied vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Gypsum panels secured to studs with 1-1/4 in. long Type S steel screws spaced 8 in. OC at perimeter and in the field.

5. **Joint Tape and Compound —** Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.

6. **Resilient Channel —** (Optional — Not Shown) — 25 MSG galv steel resilient channels spaced vertically max 24 in. OC, flange portion attached to each intersecting stud with 1/2 in. long type S-12 pan head steel screws. May not be used with Item 4F, 4J or 4L.

6A. **Steel Framing Members* —** (Optional, Not Shown, As an alternate to Item 6) — Furring channels and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping No. 8 framing screws, min 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Not for use with Items 4F, 4I, 4L, and 4M.

b. **Framing Members* —** Used to attach furring channels (Item a) to studs (Item 2). Clips spaced 48 in. OC., and secured to studs with 1-5/8 in. wafer or hex head Type S steel screw through the center grommet. Furring channels are friction fitted into clips. RSIC-1 clip for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) clip for use with 2-23/32 in. wide furring channels.
PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-1 (2.75)

6B. **Framing Members* —** — (Optional on one or both sides. Not Shown, As an alternate to Item 6) — Furring channel and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to

studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 4. Not for use with Items 4F, 4J, or 4L.

b. **Steel Framing Members* —** Used to attach furring channels (Item 6Ba) to studs (Item 2). Clips spaced max. 48 in. OC. GENIECLIPS secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, 5-12 steel screw through the center grommet. Furring channels are friction fitted into clips.
PLITEQ INC — Type Genie Clip

6C. **Steel Framing Members* —** (Optional, Not Shown, As an alternate to Item 6) — Furring channels and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire.Gypsum board attached to furring channels as described in Item 4. Not for use with Items 4F, 4J, or 4L.

b. **Steel Framing Members* —** Used to attach furring channels (Item 6Ca) to studs. Clips spaced 48 in. OC., and secured to studs with 2 in. coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips.
STUDCO BUILDING SYSTEMS — RESILMO

RELEASED FOR CONSTRUCTION
As noted on drawings
Building Services Department
Lee's Summit, Missouri
01/16/2024

A2 FIRST FLOOR - DEMO PLAN
1/8" = 1'-0"

NORTH

GENERAL DEMOLITION NOTES

1. 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.
2. 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 AND THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. 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.
4. 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.
5. ALL DEMOLITION DESCRIBED IN THESE DOCUMENTS SHALL BE COORDINATED WITH PHASING WORK REQUIRED TO COMPLETE THE WORK.
6. 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.
7. 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, EXCEPT FOR RELOCATED ITEMS.
8. WHERE NEW FINISHES ARE CALLED FOR, REMOVE AND DISCARD EXISTING FLOORING, CEILINGS AND WALL COVERING THROUGH-OUT AREA DESIGNATED FOR NEW CONSTRUCTION AND PREP EXISTING FLOOR AND WALL SUBSTRATE TO RECEIVE THE INSTALLATION OF NEW FINISH AS SCHEDULED.
9. SEE NEW WORK PLAN FOR REPAIR AND PREPARATION OF ADJACENT SURFACES.
10. WHERE CEILING IS TO REMAIN, REMOVE ALL DAMAGED CEILING PANELS/ TILES AND REPLACE WITH NEW TO MATCH EXISTING.
11. 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.
12. THE CONTRACTOR SHALL PATCH TO MATCH ADJACENT SURFACES OF EXISTING WALLS. FLOOR, AND CEILINGS IN ALL AREAS THAT REQUIRE THE REMOVAL OF GENERAL MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION WORK AND OF EQUIPMENT AND FIXTURES.
13. 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.
14. REFER TO MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR WORK REQUIRED FOR NEW CONSTRUCTION..
15. WHERE REMOVAL OF EXISTING PARTITIONS, EQUIPMENT, ETC. DISTURBS EXISTING MECHANICAL, PLUMBING OR ELECTRICAL SERVICES, THE CONTRACTOR SHALL MAKE PERMANENT REVISIONS/PROVISIONS AS REQUIRED T MAINTAIN SERVICES AND IF NECESSARY, PROVIDE TEMPORARY SERVICES TO AREAS NOT SCHEDULED FOR DEMOLITION, RENOVATION, AND/OR NEW CONSTRUCTION.
16. WHERE EXISTING WALLS, CEILINGS, 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.
17. WHEN DEMOLITION CAUSES DAMAGE TO FLOOR SLAB, WALL, OR CEILING SURFACES WHICH WILL REMAIN EXPOSED IN THE FINISHED WORK, SUCH CONDITIONS SHALL BE REPAIRED AND LEVELED AS REQUIRED TO RECEIVE NEW FINISHES.
18. WHEN DEMOLITION EXPOSES 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.
19. CLEAN AIR GRILLES AND LIGHT FIXTURES THROUGHOUT PROJECT AREA UPON COMPLETION OF WORK.
20. 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.
21. 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 WATERTIGHT, 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.
22. PROVIDE SHORING AND BRACING AS REQUIRED DURING DEMOLITION AND NEW CONSTRUCTION.

DEMOLITION LEGEND

NOT IN SCOPE

EXISTING WALL, DOOR, FRAME AND HARDWARE TO REMAIN

WALLS, DOORS, DOOR/WINDOW FRAMES, EQUIPMENT, FIXTURES, ETC. INDICATED BY DASHED LINES WITHIN THE AREA OF CONSTRUCTION SHALL BE REMOVED. REFER TO THIS SHEET FOR ARCHITECTURAL DEMOLITION NOTES.

DP — DUST PARTITIONS - THE CONTRACTOR SHALL MAKE EVERY EFFORT TO ENSURE THE EXISTING BUILDING TO BE COMPLETELY PROTECTED AGAINST INFILTRATION OF DUST AND MOISTURE DURING THE COURSE OF DEMOLITION/ CONSTRUCTION WITH DUST PARTITIONS ACROSS CORRIDORS AND OPENINGS THRU EXISTING WALLS. ALL CONSTRUCTION WORK CREATING ANY TYPE OF DUST THROUGHOUT THE BUILDING SHALL BE SHIELDED BY DUST PROTECTION. PROVIDE DOOR OPENING AS REQUIRED FOR EMERGENCY EGRESS.

DB — DUST BARRIERS - (2) LAYERS 6 MIL PVC W/ STUDS @ 4'-0" O.C. DUST BARRIER. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO ENSURE THE EXISTING BUILDING TO BE COMPLETELY PROTECTED AGAINST THE INFILTRATION OF DUST & MOISTURE DURING THE COURSE OF DEMOLITION/ CONSTRUCTION. PROVIDE DOOR OPENING AS REQUIRED FOR EMERGENCY EGRESS.

KEYNOTES - DEMO PLAN

NUMBER	COMMENTS
1	DEMO STAIRS AND PREPARE FOR NEW CONSTRUCTION, RE: STRUCTURAL.
2	DEMO EXTERIOR WALL AS REQUIRED FOR NEW CONSTRUCTION, RE: STRUCTURAL.
3	CONSTRUCT TEMPORARY 1HR PARTITION WITH EXTERIOR FACE PROTECTED BY WEATHERPROOF MEMBRANE. SEAL TO CONCRETE AT TOP AND BOTTOM.
4	DEMO EXISTING CASEWORK AND PREP FOR NEW CONSTRUCTION.
5	DEMO DOORS AS REQUIRED, SALVAGE HARDWARE TO OWNER.
6	REMOVE EXISTING FINISHES AS REQUIRED TO INSTALL NEW STANDARD FINISHES.
7	REMOVE EXISTING STOREFRONT.
8	DEMO EXISTING FLOORING AND BASE. TYPICAL THROUGHOUT, PREP FOR NEW FINISHES.
9	DEMO PLUMBING FIXTURES AND CAP PLUMBING. RE: MEP.
10	DEMO CUBICLE CURTAIN AND TRACK.
11	REMOVE ALL EXISTING WALL PROTECTION, CORNER GUARDS, CRASH RAIN, BUMPER RAIL, BED LOCATOR, MED GAS, TYPICAL THROUGHOUT AREAS OF DEMOLITION. PRE NEW FINISHES. RE: MEP DRAWINGS FOR ADDITIONAL DEMO INFORMATION
12	DEMO EXISTING PARAPETS AND PREP FOR NEW CONSTRUCTION.
13	REMOVE EXISTING ROOFING AS REQUIRED TO COORDINATE WITH NEW MECHANICAL CURB.
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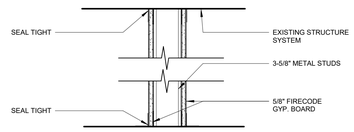

WHERE DUST PARTITIONS ARE TO REMAIN THROUGH CONSTRUCTION, THEY SHALL BE CONSTRUCTED OF 3-5/8" METAL STUDS WITH CONTINUOUS TOP AND BOTTOM RUNNERS. PARTITIONS SHALL EXTEND TIGHT FROM FLOOR TO THE EXISTING CEILING OR STRUCTURE ABOVE, AND COPED AROUND DUCTS, PIPES, ETC., THAT PENETRATE THE PARTITION. THE ENTIRE PARTITION SHALL BE COVERED WITH 5/8" FIRE RATED GYP. BOARD SCREWED TO STUDS, ALL JOINTS BETWEEN SHEATHING, AT WALLS, AT FLOORS, CEILINGS, AROUND PIPES, ETC., TAPED AND SEALED TIGHT TO ENSURE DUST-PROOFING.

THE CONTRACTOR SHALL COVER AND SEAL IN A DUST-TIGHT MANNER ALL EXISTING OPENINGS, GRILLES, JOINTS AROUND DOORS AND FRAMES, ETC., WITH FIRE RETARDANT SHEET AND/OR TAPE AS APPROPRIATE WHERE SUCH OPENINGS, ETC., OCCUR IN EXISTING PARTITIONS SEPARATING EXISTING AREAS FROM CONSTRUCTION AREAS. THE CONTRACTOR SHALL MAINTAIN AND REPAIR ANY DUST BARRIERS AS DETERMINED BY, AND TO THE SATISFACTION OF, THE OWNER.

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

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT
1/16/2023
Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number: #001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #00127265

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

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Number Date Description

CONSTRUCTION DOCUMENTS
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FIRST FLOOR DEMOLITION PLAN

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1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
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CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
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CONSTRUCTION DOCUMENTS

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SECOND FLOOR DEMOLITION PLAN

DEMOLITION LEGEND

- NOT IN SCOPE
- EXISTING WALL, DOOR, FRAME AND HARDWARE TO REMAIN
- WALLS, DOORS, DOOR/WINDOW FRAMES, EQUIPMENT, FIXTURES, ETC. INDICATED BY DASHED LINES WITHIN THE AREA OF CONSTRUCTION SHALL BE REMOVED. REFER TO THIS SHEET FOR ARCHITECTURAL DEMOLITION NOTES.
- DP — DUST PARTITIONS - THE CONTRACTOR SHALL MAKE EVERY EFFORT TO ENSURE THE EXISTING BUILDING TO BE COMPLETELY PROTECTED AGAINST INFILTRATION OF DUST AND MOISTURE DURING THE COURSE OF DEMOLITION/ CONSTRUCTION WITH DUST PARTITIONS ACROSS CORRIDORS AND OPENINGS THRU EXISTING WALLS. ALL CONSTRUCTION WORK CREATING ANY TYPE OF DUST THROUGHOUT THE BUILDING SHALL BE SHIELDED BY DUST PROTECTION. PROVIDE DOOR OPENING AS REQUIRED FOR EMERGENCY EGRESS.
- DB — DUST BARRIERS - (2) LAYERS 6 MIL PVC W/ STUDS @ 4'-0" O.C. DUST BARRIER. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO ENSURE THE EXISTING BUILDING TO BE COMPLETELY PROTECTED AGAINST THE INFILTRATION OF DUST & MOISTURE DURING THE COURSE OF DEMOLITION/ CONSTRUCTION. PROVIDE DOOR OPENING AS REQUIRED FOR EMERGENCY EGRESS.

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A2 SECOND FLOOR - DEMO PLAN
1/8" = 1'-0"

NORTH

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01/16/2024

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Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
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CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number:
#001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
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MEP CONSULTANT
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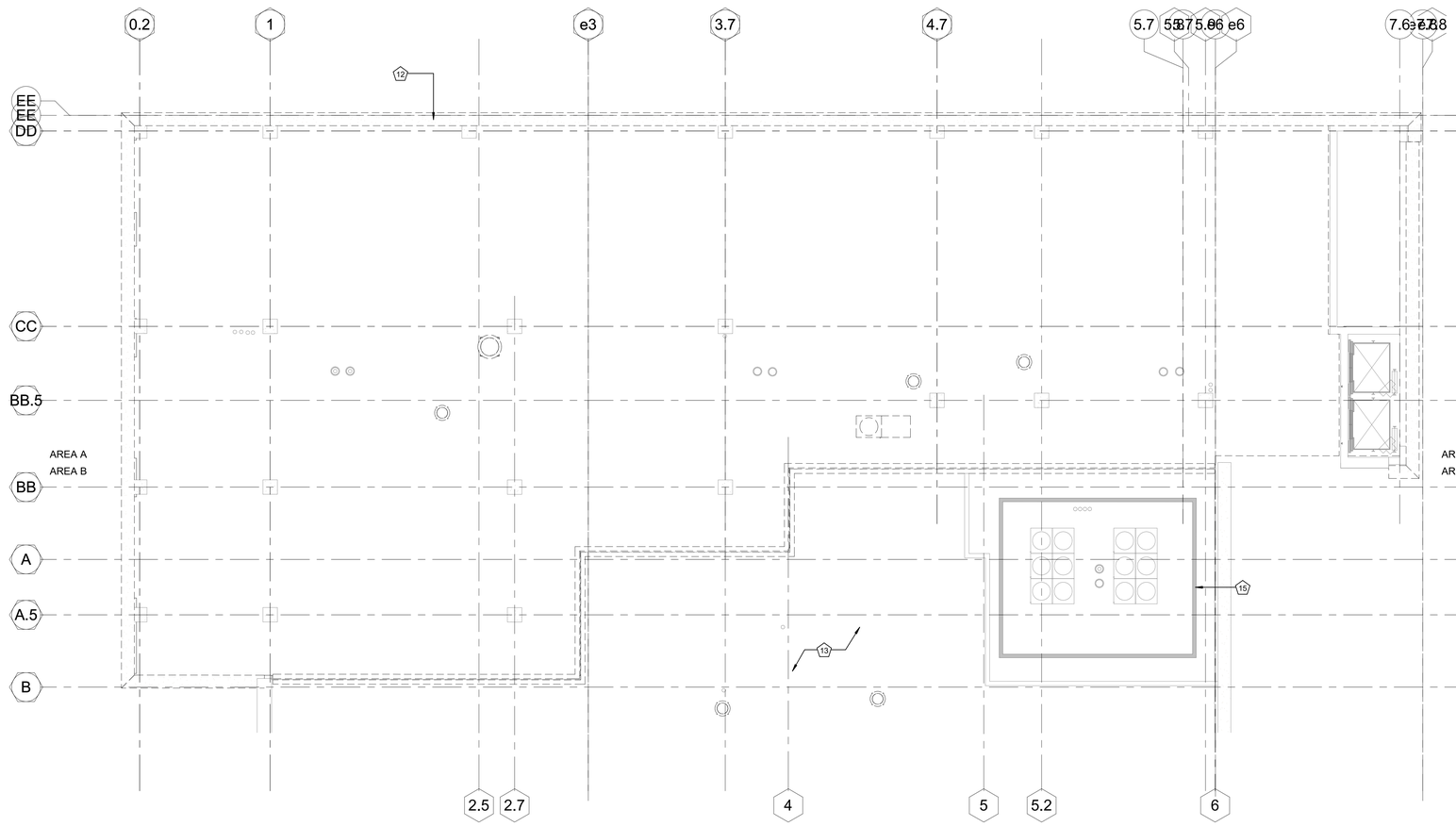

DEMOLITION LEGEND

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A2 SECOND FLOOR ROOF - DEMO PLAN
1/8" = 1'-0"

NORTH

CONSTRUCTION DOCUMENTS

Saint Luke's.
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

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Job Number	3-21037
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AD203

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THIRD FLOOR DEMOLITION PLAN

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Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number:
#001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#00127265

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

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CONSTRUCTION DOCUMENTS

AD301

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FIRST FLOOR DEMOLITION RCP

KEYNOTES - DEMO PLAN

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21	EXISTING TIME CLOCK TO REMAIN.

A2 FIRST FLOOR - DEMO RCP
1/8" = 1'-0"

NORTH

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License - Missouri #A-2011012130

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
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CIVIL CONSULTANT

BHC
7101 College Blvd, Suite 400
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Kansas City, MO 64108
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EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

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AD302a

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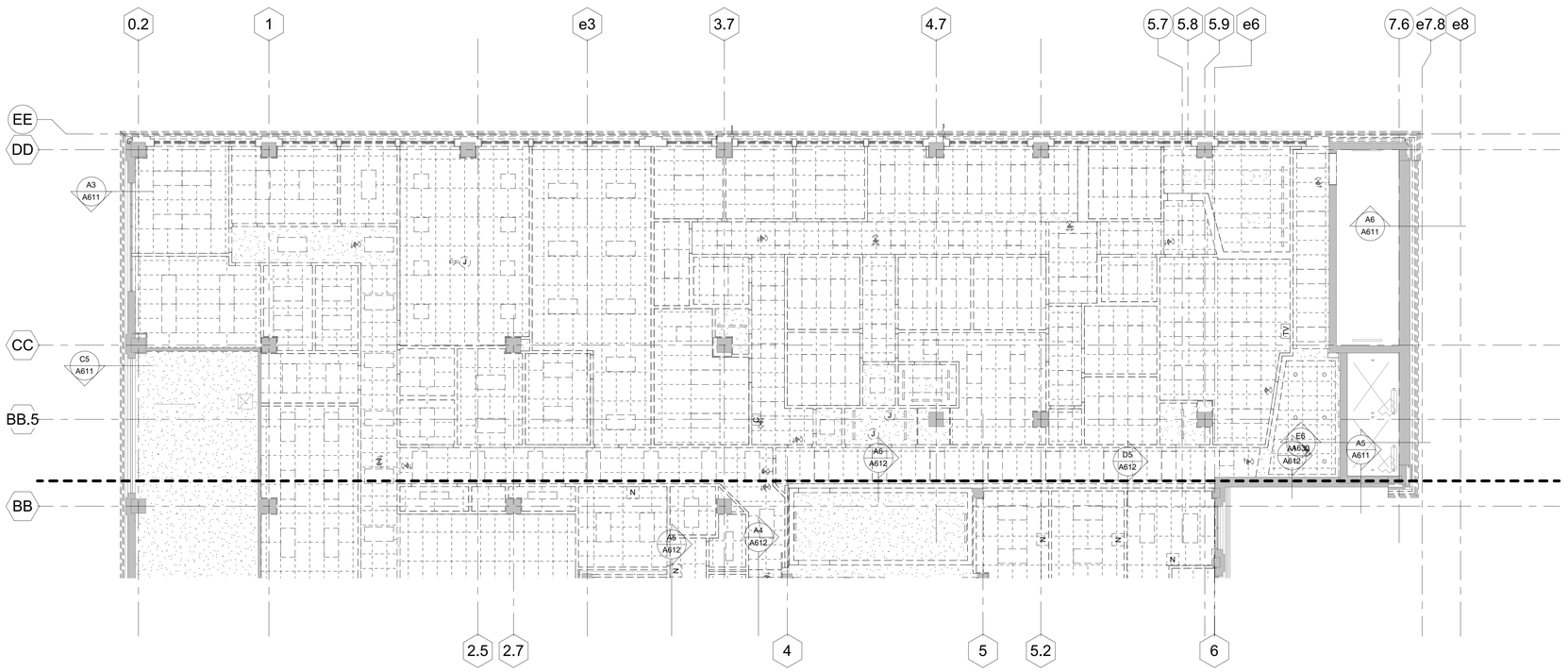
SECOND FLOOR DEMOLITION RCP - AREA A



A2 SECOND FLOOR - DEMO RCP
1/8" = 1'-0"

NORTH

KEYNOTES - DEMO PLAN

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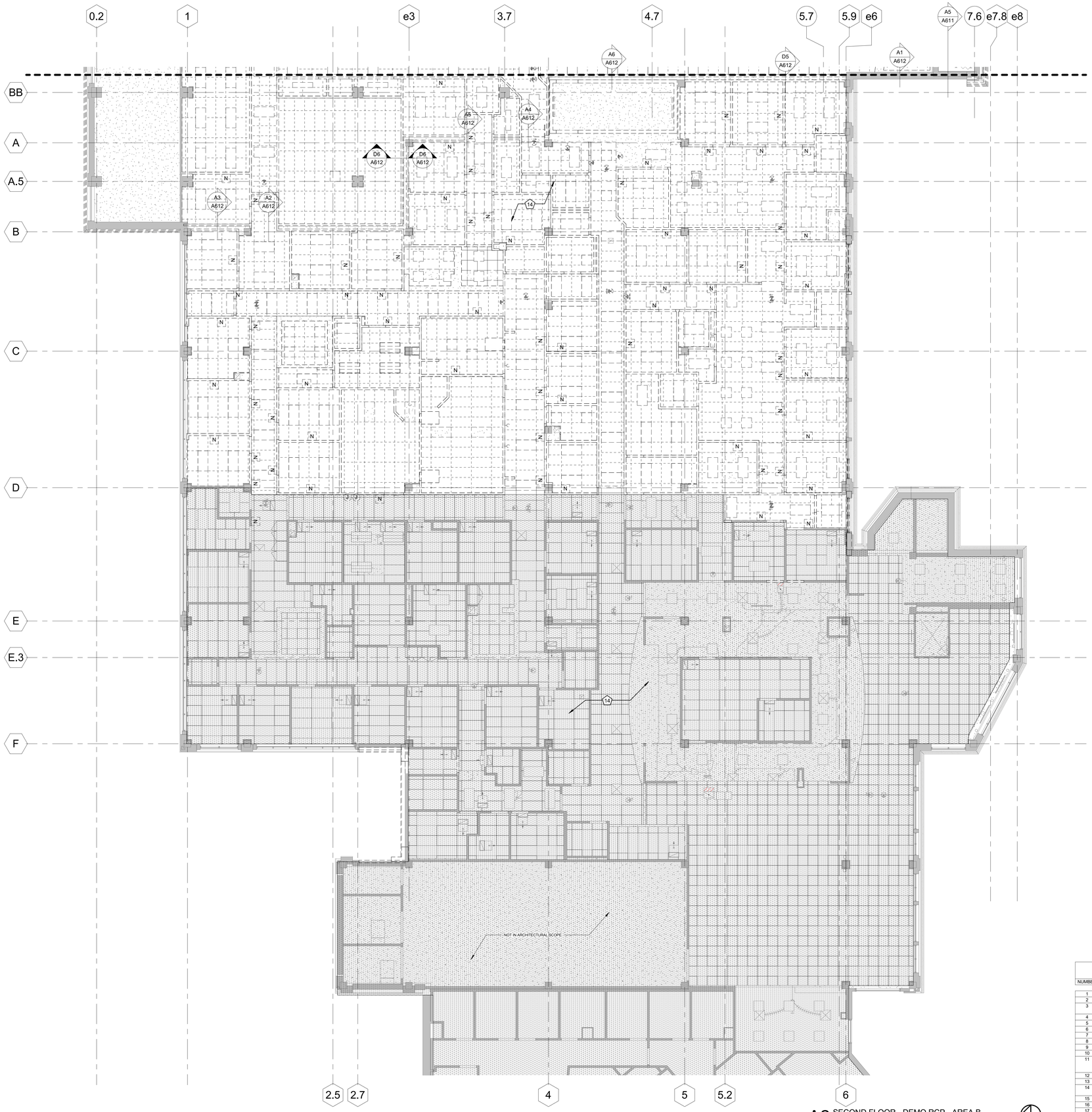

A2 SECOND FLOOR - DEMO RCP - AREA B

1/8" = 1'-0"

NORTH

KEYNOTES - DEMO PLAN

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Development Services Department
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STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number:
#001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#00127265

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS

AD302b

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SECOND FLOOR DEMOLITION RCP - AREA B

1/17/2023 9:41:28 AM

RELEASED FOR CONSTRUCTION
As noted on the Building Services Department
of Manchester, Missouri
Date: 1/16/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
REGISTERED ARCHITECT

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

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A041

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U.L. DESIGN ASSEMBLIES

CONSTRUCTION DOCUMENTS

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/3-21037_ASC Expansion & Renovation.rvt

UL Product iQ®

BXUV.U408 - Fire-resistance Ratings - ANSI/UL 263

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

Fire-resistance Ratings - ANSI/UL 263

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States
BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

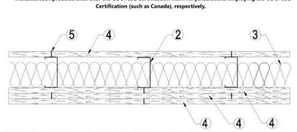
See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States
Design Criteria and Allowable Variances

See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
Design Criteria and Allowable Variances

Design No. U408

March 1, 2022

Nonbearing Wall Rating — 2 Hr
*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Floor and Ceiling Runners —** (Not Shown) — Channel shaped, 3-1/2 in. (min) deep, with min 1-1/4 in. long legs, fabricated from min 25 MSG corrosion-protected steel, attached as follows:

1A. **Framing Members* — Floor and Ceiling Runner** — Not Shown — In lieu of Item 1 — For use with Item 2A, proprietary channel shaped runners, 1-1/4 in. deep by min 3-1/2 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max:
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™ Track

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track

1B. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Item 1 — For use with Item 2B, channel shaped runners, 1-1/4 in. deep by min 3-1/2 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max:
CLARKDIETRICH BUILDING SYSTEMS — CD ProTRAK

DMFCWBS L L C — ProTRAK

MBA METAL FRAMING — ProTRAK

RAM SALES L L C — Ram ProTRAK

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProTRAK

1C. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2C, proprietary channel shaped runners, 1-1/4 in. deep by min 3-1/2 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max:
MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track

1D. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Item 1 — For use with Item 2D, channel shaped runners, 1-1/4 in. deep by min 3-1/2 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max:
TELLING INDUSTRIES L L C — TRUE-TRACK™

1E. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Item 1 — For use with Item 2F, channel shaped runners, 1-1/4 in. deep by min 3-1/2 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max:
RESCUE METAL FRAMING, L L C — Alpha/TRAK

2. **Steel Studs —** Channel shaped, min 3-1/2 in. deep, 1-1/4 in. flanges and 3/16 in. returns, fabricated from min 25 MSG corrosion-protected steel, spaced a max of 24 in. OC. Studs to be cut 5/8 in. less than assembly height and friction-fit in place.

2A. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — For use with Item 1A, proprietary channel shaped steel studs, 1-1/4 in. deep by min 3-1/2 in. wide fabricated from min 0.018 in. thick galv steel. Studs cut 5/8 in. less in length than assembly height.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™

IMPERIAL MANUFACTURING GROUP INC — Viper20™

2B. **Framing Members*— Steel Studs —** Not Shown — In lieu of Item 2 — For use with Item 1B,channel shaped steel studs, min 3-1/2 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs cut 5/8 in. less in length than assembly height.
CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD

DMFCWBS L L C — ProSTUD

MBA METAL FRAMING — ProSTUD

RAM SALES L L C — Ram ProSTUD

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProSTUD

2C. **Framing Members* — Steel Studs** — Not Shown — In lieu of Item 2 — For use with Item 1C, proprietary channel shaped steel studs, 1-1/4 in. deep by min 3-1/2 in. wide fabricated from min 0.018 in. thick galv steel. Studs cut 5/8 in. less in length than assembly height.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™

2D. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — For use with Item 1D, channel shaped steel studs, min 3-1/2 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs cut 5/8 in. less in length than assembly height.
TELLING INDUSTRIES L L C — TRUE-STUD™

2E. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item 1A (3-5/8 in. wide track), channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, 1-1/4 in. wide by 3-5/8 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — StudRite™

2F. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — For use with Item 1E, channel shaped steel studs, min 3-1/2 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs cut 5/8 in. less in length than assembly height.
RESCUE METAL FRAMING, L L C — Alpha/STUD

3. **Batts and Blankets* —** (Optional) Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.
See **Batts and Blankets** (BKNV or BZJZ) Categories for names of Classified companies.

4. **Gypsum Board* —** Gypsum panels with beveled, square or tapered edges. Base layer applied vertically or horizontally on both sides of the studs, with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Horizontal edge joints (when applied horizontally) and horizontal butt joints between ends of panels (when applied vertically) to be staggered or backed. Base layer panels attached to studs with 1 in. long Type S crews spaced 8 in. OC when applied horizontally, or 8 in. OC along the vertical edges and 12 in. OC in the field when applied vertically. Remaining two layers applied vertically or horizontally on one side of the wall. Horizontal butt joints staggered a min of 6 in. on adjacent layers. First of these two layers attached to studs with 1-5/8 in. long Type S screws spaced 12 in. OC. Face layer attached to studs with 2-3/8 in. Type S screws spaced 8 in. OC when applied horizontally, or 8 in. OC along the vertical edges and 12 in. OC in the field when applied vertically. When used in widths other than 48 in., gypsum panels to be installed horizontally.
CGC INC — 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SGX, SHX, WRX, WRC, ULIX, USGX (Joint tape and compound, Item 5, optional for use with Type USGX).

UNITED STATES GYPSUM CO — 5/8 in. thick Type AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SGX, SHX, WRX, WRC, ULIX, USGX (Joint tape and compound, Item 5, optional for use with Type USGX).

USG BORAL DRYWALL SPZ LLC — Types C, SCX, SGX, USGX (Joint tape and compound, Item 5, optional for use with Type USGX).

USG MEXICO S A DE C V — 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, USGX, WRX, WRC (Joint tape and compound. Item 5, optional for use with Type USGX).

4A. **Gypsum Board* —** (As an alternate to Item 4, not for use with Items 1B and 2B) - Nom 5/8 in. thick gypsum panels with beveled, square or tapered edges installed as described in Item 4.
CGC INC — Type ULX

UNITED STATES GYPSUM CO — Type ULX

USG MEXICO S A DE C V — Type ULX

5. **Joint Tape and Compound —** Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. When square-edge gypsum board is used, treatment of joints is optional.

6. **Caulking and Sealants* —** (Optional, Not Shown) — A bead of acoustical sealant applied around the partition perimeter for sound control.
UNITED STATES GYPSUM CO — Type AS

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2022-03-01

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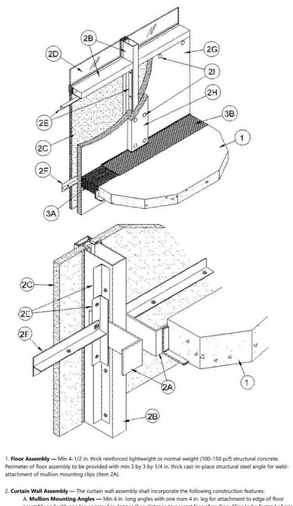

1. **Floor Assembly —** Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) structural concrete. Perimeter of floor assembly to be provided with min 3 by 3 by 1/4 in. thick cast-in-place structural steel angle for weld-attachment of mullion mounting clips (Item 2A).

2. **Curtain Wall Assembly —** The curtain wall assembly shall incorporate the following construction features:
A. **Mullion Mounting Angles —** Min 4 in. long angles with one nom 4 in. leg for attachment to edge of floor assembly and with one leg approx 4 in. longer than distance to nearest face of mullion. Clips to be formed of min 1/4 in. thick steel. Clips welded to steel angle at edge of floor assembly (Item 1) on each side of vertical mullion (Item 2B) at each floor level. Each clip to be provided with elongated holes to accommodate designed amount of movement. Top edge of each clip to be recessed min 1/2 in. below top surface of floor.

B. **Mullions —** Min 6 in. deep aluminum, of the following configurations:

a = 0.125 in. (min)
b = 2.25 in. (min)
c = 0.125 in. (min)
d = 0.125 in. (min)
e = 0.125 in. (min)
f = 0.125 in. (min)
g = 0.125 in. (min)

C. **Mullion Reinforcement —** Optional, required only when mullion must span more than 13 ft-6 in. Reinforcement to be one of the following:
a. **Steel Reinforcement —** Steel reinforcement to be one of the following:
1. **Steel Tube —** Steel tube, 3 in. by 3 in. by 0.125 in. thick, with 1/4 in. thick steel plate welded to bottom of tube.
2. **Steel Channel —** Steel channel, 3 in. by 3 in. by 0.125 in. thick.
3. **Steel Angle —** Steel angle, 3 in. by 3 in. by 0.125 in. thick.
b. **Aluminum Reinforcement —** Aluminum reinforcement to be one of the following:
1. **Aluminum Tube —** Aluminum tube, 3 in. by 3 in. by 0.125 in. thick.
2. **Aluminum Channel —** Aluminum channel, 3 in. by 3 in. by 0.125 in. thick.
3. **Aluminum Angle —** Aluminum angle, 3 in. by 3 in. by 0.125 in. thick.

D. **Mullion Mounting Clips —** Min 3 in. long angles with one nom 4 in. leg for attachment to edge of floor assembly and with one leg approx 4 in. longer than distance to nearest face of mullion. Clips to be formed of min 1/4 in. thick steel. Clips welded to steel angle at edge of floor assembly (Item 1) on each side of vertical mullion (Item 2B) at each floor level. Each clip to be provided with elongated holes to accommodate designed amount of movement. Top edge of each clip to be recessed min 1/2 in. below top surface of floor.

E. **Mullion Splices —** Min 12 in. long splice plates of same material and thickness as mullions, secured to inside of mullions with min 1/4 in. diameter bolts, one bolt at each end of splice plate.

F. **Mullion Caps —** Extruded aluminum caps, 0.062 in. thick, snap-fitted over exposed mullion flanges.

G. **Curtain Wall Insulation* —** Min 2 in. thick mineral wool batt insulation faced on one side with aluminum foil/scrim vapor retarder, supplied in min 36 in. wide batts. Insulation batts to be installed with no vertical seams and with horizontal seams spaced min 36 in. OC. Insulation panels tightly-fitted between vertical mullions and between the stem of the infiltrator tee (Item 2F) and the framing. Insulation panels secured to spandrel panel perimeter angles and to each stiffener tee with cup head weld pins (Item 2I) spaced max 12 in OC. The horizontal seam between insulation panels shall be located 2 in. below the top plane of the floor at each floor level.
INDUSTRIAL INSULATION GROUP L L C — CW-8

H. **Framing Covers - Curtain Wall Insulation* —** Min 1 in. thick mineral wool batt insulation faced on one side with aluminum foil/scrim vapor retarder, supplied in min 24 by 48 in. boards. Nom 8 in. wide strips to be centered over mullions and secured to the spandrel panel perimeter angles with cup head weld pins (Item 2I) spaced max 12 in. OC. Where more than one spandrel panel occurs between vertically separated vision panels, the horizontal transom between spandrel panels shall also be covered with an 8 in. wide framing cover in the same manner as on the vertical mullions. Framing covers on mullions to abut the mineral wool batt curtain wall insulation (Item 2A) above and below floor.
INDUSTRIAL INSULATION GROUP L L C — CW-8

I. **Weld Pin —** No. 12 gauge galv steel weld pin with nom 1-3/16 in. diam galv steel cup head. Cup head weld pins provided in two lengths. One length to be equal to thickness of curtain wall insulation (Item 2G) and second length to be equal to thickness of curtain wall insulation plus thickness of framing cover (Item 2H). Cup head weld pins inserted through curtain wall insulation and mullion covers and welded to spandrel panel perimeter angles max 12 in. OC.

J. **Steel Screw And Clinch Shield —** (Not Shown) - As an alternate to the weld pins (Item 2I), self-drilling, self-tapping steel screws with min 1-1/2 in. diam galv steel clinch shields may be used to secure the curtain wall insulation and framing covers. Steel screws provided in two lengths. One length to be 1/2 in. greater than thickness of curtain wall insulation (Item 2G) and second length to be 1/2 in. greater than thickness of curtain wall insulation plus thickness of framing cover (Item 2H). Screws secured to spandrel panel perimeter angles, through curtain wall insulation and mullion covers, and spaced max 12 in. OC.

3. **Safing System Max separation between edge of floor assembly and face of framing members (at time of installation) is 8 in. The safing system is designed to accommodate vertical shear movement up to a max of 5 percent of its installed width. —** The safing system shall incorporate the following construction features:
A. **Forming Material* —** Nom 4 pcf density mineral wool batt insulation. Batt sections cut to a min 4-1/2 in. width and stacked to a thickness which is min 20 percent greater than the width of linear gap between the curtain wall insulation and the edge of the concrete floor slab. The forming material is compressed and inserted cut-edge-first into linear gap such that its top surface is flush with the top surface of the floor assembly. A max of one tightly-butted seam is permitted between mullions. Additional pieces of forming material to be friction-fit into spaces between mullion mounting clips at each mullion location.
INDUSTRIAL INSULATION GROUP L L C — Mineltool 1200 Safing

6/29/2020 BXUV.S734 | UL Product iQ

4. **Adhesive —** (Optional) — May be applied to steel roof deck units or between insulation layers at a max application rate of 0.4 gal/100 sq ft. See Adhesives (BYWR) category for names of manufacturers.

5. **Steel Roof Deck —** (UnSealed) — Fluted, No. 22 MSG min galv 1-1/2 in. deep with 3-1/2 in. wide flutes spaced 6 in. OC. Ends overlapped a min 1-1/2 in. and mechanically fastened to supports, 12 in. OC max. Adjacent units button-punched, welded or fastened with No. 12 by 1/2 in. long self-drilling, self-tapping steel screws.

6. **Spray-Applied Fire Resistive Materials* —** Applied by mixing with water and spraying to the beam and deck surfaces to the final min thickness shown below. Min 24 in. wide strip of beam soffit to be filled with the Spray-Applied Fire Resistive Materials. Surfaces must be clean and free of dirt, loose scale and oil. Min avg and min ind density of 15/14 pcf. For method of density determination see Design Information Section.

Min Spray-Applied Fire Resistive Materials Thickness In.

Rating Hr	Unrestrained Beam W6x16	Unrestrained Beam W12x19	Restrained Beam W6x16	Restrained Beam Deck
1	9/16	5/8	9/16	9/16
1-1/2	13/16	15/16	5/8	7/8
2	1-1/16	1-3/16	7/8	1-5/8
3	1-1/2	1-11/16	1-1/4	1-7/8
4	3	—	3	1-7/8

ARABIAN VERMICULITE INDUSTRIES — Types Monokote 5, Z-106, Z-106/G, Z-106/HY.

GCP KOREA INC — Types Monokote Acoustic 5, Z-106, Z-106/G, Z-106/HY.

GCP APPLIED TECHNOLOGIES INC — Types Monokote Acoustic 5, Z-106, Z-106/G, Z-106/HY.

6A. **Alternate Spray-Applied Fire Resistive Materials* —** Applied by mixing with water and spraying in one or more coats to a final thickness as shown in the tables below to beam and deck surfaces which must be clean and free of dirt, loose scale and oil. Crest areas above the beam shall be filled with the Spray-Applied Fire Resistive Materials. Min avg and min ind density of 22/19 pcf, respectively. For method of density determination, refer to Design Information Section.

Min Spray-Applied Fire Resistive Materials Thickness In.

Rating Hr	Unrestrained Beam W6x16	Unrestrained Beam W12x19	Restrained Beam W6x16	Restrained Beam Deck
1	9/16	5/8	9/16	9/16
1-1/2	13/16	15/16	5/8	7/8
2	1-1/16	1-3/16	7/8	1-5/8
3	1-1/2	1-11/16	1-1/4	1-7/8
4	3	—	3	1-7/8

ARABIAN VERMICULITE INDUSTRIES — Types Sonophone 5, Z-106, Z-106/G, Z-106/HY.

GCP APPLIED TECHNOLOGIES INC — Types Monokote Acoustic 5, Z-106, Z-106/G, Z-106/HY.

6B. **Alternate Spray-Applied Fire Resistive Materials* —** Applied by mixing with water and spraying in one or more coats to a final thickness as shown in the tables below to beam and lathed deck surfaces which must be clean and free of dirt, loose scale and oil. Crest areas above the beam shall be filled with the Spray-Applied Fire Resistive Materials prior to application of the metal lath. Min avg and min ind density of 40/36 pcf respectively for Types Z-146, Z-146FC and Z-146FC cementitious mixture. Min avg and min ind density of 50/45 pcf respectively for Types Z-156, Z-156T and Z-156PC. For method of density determination, refer to Design Information Section.

Min Spray-Applied Fire Resistive Materials Thickness In.

Rating Hr	Unrestrained Beam Rating Hr W6x16	Restrained Beam Rating Hr W6x16	Deck
1	9/16	9/16	9/16
1-1/2	13/16	5/8	7/8
2	1-1/16	7/8	1-5/8
3	1-1/2	1-1/4	1-7/8
4	3-5/16	3-5/16	1-7/8

ARABIAN VERMICULITE INDUSTRIES — Type Z-146 investigated for exterior use, Sonophone 35.

GCP APPLIED TECHNOLOGIES INC — Type Z-146, Z-146T, Z146PC, Z-156, Z-156T and Z-156PC, investigated for exterior use, Monokote Acoustic 35.

GCP KOREA INC — Type Z-146, investigated for exterior use, Monokote Acoustic 35.

7. **Metal Lath (Not shown) —** Metal lath shall be used when applying Type Z-146, Z-146T, Z146PC, Z-156, Z-156T and Z-156PC material to the underside of the steel deck. The metal lath shall be 3/8 in. expanded diamond mesh, weighing 3.7 lb per sq yd. secured to underside of steel deck with No. 12 by 3/8 in. pan head self-drilling, self-tapping steel screws and steel washers with an outside diam of 1/2 in. Screws spaced 12 in. OC in both directions with lath edges overlapped approximately 3 in.

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Last Updated on 2014-02-05

JOHNS MANVILLE — Safing

8. **FIR, Void or Cavity Material* —** Min 1/8 in. wet thickness (min 1/16 in. dry thickness) of fill material spray-applied over top of forming material and lapping min 1/2 in. onto the top surface of the floor and onto the curtain wall insulation and framing covers.
SPECIFIED TECHNOLOGIES INC — SpecSeal AS200 Elastomeric Spray, SpecSeal Safing Spray or SpecSeal Fast Tack Spray

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Last Updated on 2018-10-19

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BXUV.X771 - Fire-resistance Ratings - ANSI/UL 263

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BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States
Design Criteria and Allowable Variances

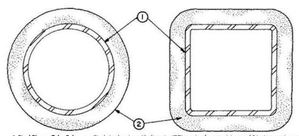
See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
Design Criteria and Allowable Variances

Design No. X771

October 26, 2017

Ratings — 3/4, 1, 1-1/2, 2, 3 and 4 h

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Steel Pipe or Tube Column —** Steel circular pipe with diameter (OD) ranging from a minimum of 3 in. to a maximum of 32 in. with a minimum wall thickness of 3/16 in.
Steel square or rectangular tube with outside wall dimensions ranging from a minimum 3 in. to a maximum of 32 in. and a minimum wall thickness of 3/16 in.
The A/P ratio of the steel pipe or tube (see Item 2) shall range from 0.18 to 2.0.

2. **Spray-Applied Fire Resistive Materials* —** Applied by mixing with water and spraying in one or more coats to steel surfaces which must be clean and free of dirt, loose scale and oil. Min avg and min density of 15/14 pcf respectively. Min avg and min ind density of 22/19 pcf respectively for Types Z-106, Z-106/G. Min avg and min ind density of 19/18 pcf respectively for Types 7GP and 7HD. For method of density determination, see Design Information Section, preceding these designs.
The hourly rating of the structural member is dependent upon the ratio of A/P and the thickness of Spray-Applied Fire Resistive Materials, where A is the cross sectional area of the pipe or tube and P is the heated perimeter.
The A/P ratio of a circular pipe is determined by:

$$\text{A/P pipe} = \frac{\text{t (d - t)}}{\text{d}}$$

Where:
d = the outer diameter of the pipe (in.)
t = the wall thickness of the pipe (in.)
The A/P ratio of a rectangular or square tube is determined by:

$$\text{A/P tube} = \frac{\text{t (a + b - 2t)}}{\text{a + b}}$$

Where:
a = the outer width of the tube (in.)
b = the outer length of the tube (in.)
t = the wall thickness of the tube (in.)
The thickness of Spray-Applied Fire Resistive Materials for ratings of 3/4, 1, 1-1/2, 2, 3 and 4 h of a steel pipe or tube can be determined by the equation:

$$h = \frac{\text{R - 0.20}}{\text{4.43 (A/P)}}$$

Where:
R = the hourly rating (hrs).
h = the thickness of Spray-Applied Fire Resistive Materials, minimum 1/4 in., maximum 3-7/8 in.

ARABIAN VERMICULITE INDUSTRIES — Types MK-6/CBF, MK-6/ED, MK-6/HY, MK-6s, Sonophone 1, Sonophone S, Z-106, Z-106/G.

GCP KOREA INC — Types MK-6/CBF, MK-6/ED, MK-6/HY, MK-6s, Monokote Acoustic 1, Monokote Acoustic S, Z-106, Z-106/G.

PYROK INC — Type LD.

SOUTHWEST FIREPROOFING PRODUCTS CO — Types 4, S, SF, SGP, SAR, SGP/AR, SGP/ARF, SMD/AR, SMD, 7GP, 7HD, BEF, BGP, BMD, BEF, 9GP, 9MD.

GCP APPLIED TECHNOLOGIES INC — Types MK-6/HY, MK-6s, Monokote Acoustic 1, Monokote Acoustic S, RG, Z-106, Z-106/G.

Min Spray-Applied Fire Resistive Materials Thickness In.

Rating Hr	Unrestrained Beam W6x16	Unrestrained Beam W12x19	Restrained Beam W6x16	Deck
1	9/16	5/8	9/16	9/16
1-1/2	13/16	15/16	5/8	7/8
2	1-1/16	1-3/16	7/8	1-5/8
3	1-1/2	1-11/16	1-1/4	1-7/8
4	3	—	3	1-7/8

6/29/2020 BXUV.S734 | UL Product iQ

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Last Updated on 2017-10-26

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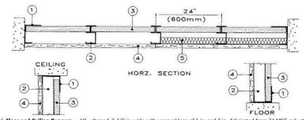

1. **Floor and Ceiling Runners —** "I" - shaped, 2-1/2 in. wide with unequal legs of 1 in. and 2 in., fabricated from 24 MSG galv steel (min 20 MSG when Item 4B, 4D, or 4C is used). Runners attached to structural supports with steel fasteners located not greater than 2 in. from ends and not greater than 24 in. OC.

2. **Steel Studs —** "C -H" shaped studs, 2-1/2 in. wide by 1-1/2 in. deep, fabricated from min 25 MSG galv steel (min 20 MSG steel required when Item 4A, 4B, or 4C is used), spaced 24 in. or 600 mm OC (max 16 in. OC when Item 4A, 4B, or 4C is used). Vertically restrained walls require studs to be cut 3/8 in. less than floor to ceiling height.

3. **Gypsum Board* —** 1 in. thick gypsum wallboard liner panels, supplied in nominal 24 in. or 600 mm widths. Vertical edges inserted in "H" shaped section of "C -H" studs. Free edge of end panels attached to long leg of "I" runners with 1-5/8 in. long Type S head steel screws spaced not greater than 12 in. OC.
CERTAINTEED GYPSUM INC — Types Shaftliner, EGRG Shaftliner or Glasfloc Shaftliner

CGC INC — Type SLX.

CERTAINTEED GYPSUM INC — Type LGFCSL

GEORGIA-PACIFIC GYPSUM L L C — Types TP-6, DGSLL, and TRSL

UNITED STATES GYPSUM CO — Type SLX

USG BORAL DRYWALL SPZ LLC — Type SLX

USG MEXICO S A DE C V — Type SLX.

4. **Gypsum Board* —** 5/8 in. thick, 4 ft or 1200 mm wide, applied vertically and attached to studs with 1 in. long Type S steel screws spaced 12 in. OC along the edges and in the field of the boards.
AMERICAN GYPSUM CO — Types ADX-1, M-Glass, AG-C, Lightfloc.

CABOT MANUFACTURING ULC — 5/8 Type X, Type Blueglass Exterior Sheathing

CERTAINTEED GYPSUM INC — Type C, Type X-1.

CGC INC — Types C, IP-X1, IP-X2, IPC-AR, SCX, ULIX, ULX, or WRC.

CERTAINTEED GYPSUM INC — Types LGFC-C, LGFC-C/A, LGFCEA

GEORGIA-PACIFIC GYPSUM L L C — Types S, DARC, Type X, Veneer Plaster Base - Type X, Water Rated - Type X, Sheathing - Type X, Soffit - Type X, Type 70 C, Type UWX, Veneer Plaster Base -Type UWX, Water-Rated-Type UWX, Sheathing Type UWX, Soffit-Type UWX, Type DGUW, Water Rated-Type DGUW, Sheathing Type - DGUW, Soffit-Type DGUW, Type UWZX, Veneer Plaster Base – Type UWZX, Water Rated – Type UWZX, Sheathing - Type UWZX, Soffit - Type UWZX, Type DGLZW, Water Rated - Type DGLZW, Sheathing - Type DGLZW, Type DGG, Type DAP, Type DS.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types C, PG-11, PG-C, PGS-WRD, PGI

SAINT-GOBAIN GYPROC MIDDLE EAST FZE — Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop M2TECH, Gyproc FireStop ACTIV'Air, Gyproc FireStop MR ACTIV'Air, Gyproc FireStop M2TECH ACTIV'Air, Gyproc DuraLine, Gyproc DuraLine MR, Gyproc DuraLine M2TECH, Gyproc DuraLine ACTIV'Air, Gyproc DuraLine MR ACTIV'Air, Gyproc DuraLine M2TECH ACTIV'Air

THAI GYPSUM PRODUCTS PCL — Type C.

UNITED STATES GYPSUM CO — Types C, FRX-G, IP-X1, IP-X2, IPC-AR, SCX, ULIX, ULX or WRC.

USG BORAL DRYWALL SPZ LLC — Types C, SCX

USG MEXICO S A DE C V — Types C, IP-X1, IP-X2, IPC-AR, SCX, ULX, or WRC.

4A. **Gypsum Board* —** Not Shown - As an Alternate to Item 4. Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 st

1/17/2023 9:41:31 AM

RELEASED FOR CONSTRUCTION
As noted on these documents
Building Inspection Department, Missouri
01/16/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
1/16/2023
Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number: #001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #00127265

Saint Luke's.
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision		
Number	Date	Description

CONSTRUCTION DOCUMENTS

A042

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U.L. DESIGN ASSEMBLIES

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/3-21037_ASC Expansion & Renovation.rvt

UL Product iQ®

BXUV.P719 - Fire-resistance Ratings - ANSI/UL 263

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

Fire-resistance Ratings - ANSI/UL 263

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States
Design Criteria and Allowable Variances

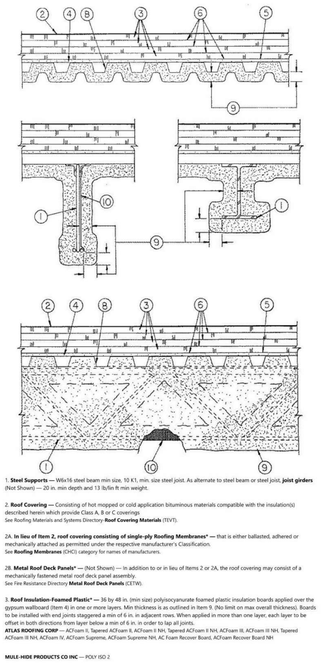
See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
Design Criteria and Allowable Variances

Design No. P719

November 22, 2022

Restrained Assembly Rating — 1, 1-1/2, 2 or 3 Hr. (See Items 3 through 3G and 9)
Unrestrained Assembly Rating — 1, 1-1/2 or 2 Hr. (See Items 3 through 3G and 9)
Unrestrained Beam Rating — 1, 1-1/2, 2 or 3 Hr. (See Items 3 through 3G and 9)
Restricted Load Condition — See Item 9
This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be — See Guide BXUV or BXUV7

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Steel Supports —** W6x16 steel beam min size, 10 K1, min. size steel joist. As alternate to steel beam or steel joist, **joist girders** (Not Shown) — 20 in. min depth and 13 lb/lin ft min weight.

2. **Roof Covering —** Consisting of hot mopped or cold application bituminous materials compatible with the insulation(s) described herein which provide Class A, B or C coverings.
See Roofing Materials and Systems Directory in the Fire Resistance Directory for **Roof Covering Materials** (TEVT).

2A. **In lieu of Item 2, roof covering consisting of single-ply Roofing Membranes** —** that is either ballasted, adhered or mechanically attached as permitted under the respective manufacturer's Classification.
See **Roofing Membranes** (CHCI) category for names of manufacturers.

2B. **Metal Roof Deck Panels* —** (Not Shown) — In addition to or in lieu of Items 2 or 2A, the roof covering may consist of a mechanically fastened metal roof deck assembly.
See Fire Resistance Directory **Metal Roof Deck Panels** (CETW).

3. **Roof Insulation-Foamed Plastic** —** 36 by 48 in. (min size) polyisocyanurate foamed plastic insulation boards applied over the gypsum wallboard (Item 4) in one or more layers. Min thickness is as outlined in Item 9. (No limit on max overall thickness). Boards to be installed with end joints staggered a min of 6 in. in adjacent rows. When applied in more than one layer, each layer to be offset in both directions from layer below a min of 6 in. in order to lap all joints.
ATLAS ROOFING CORP — ACFoam-5, Tapered ACFoam-5 Min, Tapered ACFoam-5 Max, ACFoam-II N/H, ACFoam II, ACFoam-II NH, Tapered ACFoam-II NH, ACFoam IV, ACFoam Supreme, ACFoam Supreme NH, AC Foam Recover Board, ACFoam Recover Board NH

MULE-HIDE PRODUCTS CO INC — POLY ISO 2

CARLISLE SYNTEC SYSTEMS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC — Types HP, HP-H, HP-N, HP-W, SecurShield CD, InsulBase NH, SecurShield NH, SecurShield HD Composite NH, Polyiso HP-F NH, InsulBase RL, SecurShield RL, Polyiso HP-F

DOW ROOFING SYSTEMS L L C — "Dow Termiso Polyisocyanurate Insulation", "Dow Termiso ISO 3000 Insulation", "Dow Termiso ISO HP-FR"

FIRESTONE BUILDING PRODUCTS CO L L C — "ISO 95+ GL", "ISO 95+ FK", "ISO 95+ CAV", "ISO 95+ GL NH", "ISOGARD HD Composite

Board", "RESISTA", "ISOGARD GL", "ISOGARD CG"

GAF — EnergyGuard™, EnergyGuard™ RA, EnergyGuard™ NH

When EnergyGuard™ or EnergyGuard™ NH are used, all ratings are reduced by 1/2 hr.
HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC — H Shield, H-Shield F, H Shield-CG, H-Shield-C, H-Shield Premier, H-Shield HD Composite, H-Shield HD Composite CG, H Shield RL, H-Shield CG RL, H Shield NH, H Shield-F NH, H-Shield CG NH, H-Shield-C NH, H-Shield Premier NH, H-Shield HD Composite CG NH

MULE-HIDE PRODUCTS CO INC — Poly ISO 1, Tapered Poly ISO 1, Poly ISO 1 DWD, Tapered Poly ISO 1 DWD, Poly ISO 1 HD, Poly ISO 1-HDNG, Poly ISO 1-HD Composite

JOHNS MANVILLE — ENRGY 3 25 psi, ENRGY 3, Tapered ENRGY 3, Tapered ENRGY 3 25 psi, ENRGY 3 ASF, Tapered ENRGY 3 ASF, ENRGY 3 25 psi ASF, Tapered ENRGY 3 ASF, ENRGY 3 CGF, Tapered ENRGY 3 25 psi CGF, ENRGY 3 CGF, ISO-3, Tapered ISO-3, ValuTherm, Tapered ValuTherm, ValuTherm 25 psi, Tapered ValuTherm 25 psi, ValuTherm ASF, Tapered ValuTherm ASF, ValuTherm 25 psi ASF, Tapered ValuTherm 25 psi ASF, ValuTherm CGF, Tapered ValuTherm CGF, ValuTherm 25 psi CGF, Tapered ValuTherm 25 psi CGF

MARTIN FIREPROOFING CORP — "Perform-A-Deck I"

RMAX, A BUSINESS UNIT OF SIKA CORPORATION — Multi-Max 3, Multi-Max FA-3, Ultra-Max, Ultra-Max Plus, Tapered Ultra-Max Plus, Tapered Thermanol-S, Tapered Thermanol FA-3, Tapered Ultra-Max

SIKA SARNAFIL INC — Sarnatherm-R Insulation, Sarnatherm-R CG Insulation, Sarnatherm-R Tapered Insulation, Sarnatherm-R CG Tapered Insulation

SIPLAST INC — Paratherm G

SOPREMA INC — Sopra-ISO-1, Sopra-ISO-1 s, Sopra-ISO+ 1, Sopra-ISO+ 1 s, Sopra-ISO-1H+ s, Sopra-ISO-1H+ s Tapered

VERSICO INC — SecurShield HD Composite, WeatherBond XFP HD Composite, VersiCore MP-H NH, WeatherBond XP NH, SecurShield NH, WeatherBond XFP NH, VersiCore RL, SecurShield RL, Polyiso MP-HF NH

3A. **Roof Insulation-Mineral and Fiber Boards** —** (Not Shown) — As an alternate to Item 3 for the 1, 1-1/2 and 2 hr assembly ratings, Min 1 in. thick for the 1 and 1-1/2 hr assembly ratings and 2 in. thick for the 2 hr assembly ratings. No limit on max overall thickness. To be applied in one or more layers over the gypsum wallboard (Item 4) with adhesive (Item 6) between layers of insulation and to vapor retarder (or gypsum wallboard if vapor retarder is not used). As an alternate, the first layer of insulation may be attached through the wallboard to the roof deck with self-drilling, self-tapping steel screws pierced through 3-1/4 in. hexagonal steel plates spaced min 15 in. OC. The min cover of Spray-Applied Fire Resistive Materials to the end of the screw shall be 1/2 in. The second layer of insulation may be secured to the first layer with 30 lb. of hot mopping asphalt per 100 sq ft. Each layer of board to be offset in both directions from layer below a min of 6 in. Between layers of roof insulation, a secondary membrane consisting of Type G1 or G2 mats or Type T/S felt may be used. Secondary membrane secured in place with 25 lb. of hot mopping asphalt per 100 sq ft. Joints between insulation and sheathing shall be staggered.
JOHNS MANVILLE — Types Fesco, Retro-Fit, RetroPlus

3B. **Building Units*** — As an alternate to Items 3 and 3A, polyisocyanurate foamed plastic insulation boards, nom 48 by 48 or 96 in., faced on the top surface with glass mat faced gypsum panel. Min. thickness of the polyisocyanurate core is as outlined in Item 9. No limit on max overall thickness. Boards to be installed over gypsum wallboard with end joints staggered a min of 6 in. in adjacent rows.
CARLISLE SYNTEC SYSTEMS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC — Polyiso HP-HDD, Polyiso HP-HDD NH

HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC — H Shield-DD, H-Shield-DD NH

VERSICO INC — MP-HDD, MP-HDD NH

3M. **Foamed Plastic** —** As an alternate to Items 3 through 3H - Polyurethane foamed plastic roof insulation. Formed by the simultaneous spraying of two liquid components applied over the gypsum wallboard (Item 4) in accordance with the manufacturer's instructions. Min thickness of the polyurethane core is as outlined in Item 9. No limit on max overall thickness.
BASF CORP — Types FE348-2.5, FE348-2.8, FE348-3.0, ELASTOSPRAY 81255, ELASTOSPRAY 81285, ELASTOSPRAY 81305, SKYTITE C1

BASF CORP — Elastospray 5100-2.0, Elastospray 5100-2.5, Elastospray 81302, Elastospray 81272, Elastospray Alpha System, Elastospray 81252

3N. **Mineral and Fiber Board*** — (Optional — Not Shown) — Used in addition to the foam insulation required to achieve fire rating. Maximum 1 in. thick mineral and fiber insulation boards, nom 48 by 48 or 96 in. Boards may be applied as the top layer in addition to the specified minimum thickness of any roofing system described herein, as long as the roofing system states that there is no limit on maximum thickness. Joints offset in both directions from layer below.
JOHNS MANVILLE — *Fesco*, Retro-96, RetroPlus, DuraBoard (1/2"), DuraBoard (3/4"), DuraBoard (1"), Fesco HD

4. **Gypsum Board —** (Classified or unclassified) — Supplied in sheets from nom 2 by 4 ft to 4 by 12 ft, by nom 5/8 in. thick. Min weight 2.2 psf applied perpendicular to steel roof deck direction with adhesive (Item 6), hot asphalt (Item 6A) or laid loosely. End joints to occur over centers of steel roof and to be staggered 2 ft in adjacent rows.
CABOT MANUFACTURING ULC (View Classification) — CKNX.R25370

AMERICAN GYPSUM CO (View Classification) — CKNX.R14196

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO (View Classification) — CKNX.R19374

CERTAINTEED GYPSUM INC (View Classification) — CKNX.R3660

CGC INC (View Classification) — CKNX.R19751

CERTAINTEED GYPSUM INC (View Classification) — CKNX.R13482

GEORGIA-PACIFIC GYPSUM L L C (View Classification) — CKNX.R2717

LOADMASTER SYSTEMS INC (View Classification) — CKNX.R11809

NATIONAL GYPSUM CO (View Classification) — CKNX.R3501

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM (View Classification) — CKNX.R7094

PANEL REY S A (View Classification) — CKNX.R21796

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD (View Classification) — CKNX.R19262

THAI GYPSUM PRODUCTS PCL (View Classification) — CKNX.R27517

UNITED STATES GYPSUM CO (View Classification) — CKNX.R3319

USG BORAL DRYWALL SFZ LLC (View Classification) — CKNX.R38438

USG MEXICO S A DE C V (View Classification) — CKNX.R16089

5. **Vapor Retarder-Sheathing Material* —** (Optional) — Vinyl film or paper scrim vapor barrier, applied to steel roof deck with adhesive (Item 6), asphalt (Item 6A) or laid loosely, overlapped approximately 2 in. on adjacent sheets. See **Sheathing Material** (CHZI) category for names of manufacturers.

6. **Adhesive* —** (Optional) — May be applied between crests of steel roof deck and gypsum wallboard, between gypsum wallboard and vapor retarder, between vapor retarder and first layer of insulation, and between layers of insulation. Applied in 1/2 in. wide ribbons 6 in. OC at 0.4 gal/100 sq ft. See **Adhesives** (BYWR) category for names of manufacturers.

6A. **Asphalt or Coal Tar Pitch*** — (Optional — Not Shown) — In lieu of Item 6, used to attach the first layer of insulation to vapor retarder and each additional layer of roof insulation. Applied at a max rate of 25 lbs/100 sq ft.

6B. **Adhesive*** — (Optional) — (Bearing the UL Classification Marking for Roof Systems (TGFU)) — The vapor retarder, the gypsum wallboard or the first layer of roof insulation may be secured with adhesive to the steel crest surfaces. Also used to attach the vapor retarder to gypsum wallboard, the first layer of insulation to vapor retarder or gypsum wallboard and each additional layer of insulation. Applied at a max rate of 19.8 g/ft². When FAST 100 adhesive is used, additional **Spray-Applied Fire Resistance Materials*** (CHPX) is required on the deck for the 1-1/2 and 2 hr Unrestrained Assembly Ratings. The thickness specified for the deck shall be increased by 1/16 in. for 1-1/2 hr Unrestrained Assembly Rating and 1/4 in. for 2 hr Unrestrained Assembly Rating.
CARLISLE SYNTEC SYSTEMS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC — FAST 100

7. **Mechanical Fasteners —** (Optional — Not Shown) — Mechanical screw-type fastener with metal washer designed for the purpose may be used to attach one or more layers of insulation to steel roof deck.

8. **Steel Roof Deck —** (Unclassified) — Min 1-1/2 in. deep and 30 or 36 in. wide galv fluted steel deck. Flutes 6 in. OC with crest width ranging from 3-5/8 to 5-1/16 in. Min gauge is 22 MSG. Ends overlapped at supports min 1-1/2 in. and welded to supports at deck laps and a max of 12 in. OC between sides of units. Side laps of adjacent units welded, button-punched or secured together with No. 12 by 3/4 in. long self-drilling, self-tapping steel screws spaced a max of 36 in. OC. **Classified Steel Floor and Form Units** — 1-1/2, 2 or 3 in. deep, 24 - 36 in. wide galv units. Min gauge is 22 MSG. Ends overlapped at supports min 1-1/2 in. and welded to supports at deck laps at a max of 12 in. OC between sides of units. Side laps of adjacent units welded, button punched or secured together with No. 12 by 3/4 in. long self-drilling, self-tapping steel screws spaced a max of 36 in. OC.
ASC STEEL DECK, DIV OF ASC PROFILES L L C — Types BH-36, BHN-36, BHN-35-1/4, OGB-36, B-36, BN-36, BN-35-1/4, NH-32, NHN-32, OGN-32, N-32, ZMH-36, ZMHO-36, ZMHN-36, BMH-36, BMHN-36. All units may be galvanized or Prime Shield™. *Non-cellular decks may be vented designated with a "V" suffix to the product name.

CANAM GROUP INC — Types P-3606, P-3615, P-2436, and P-2404 noncomposite; 36 in. wide Types 1.5B, 1.5BI; 24 in. wide Types 3N, 3NI.

CANAM STEEL CORP — Types BS, F, NS, NI. Units may be phos/ptd or ptd/ptd

DECK WEST INC — 24 in. wide Type NDW or 36 in. wide Types B-DW and 2-DW

INTESI STEEL EAST LLC — 36 in. wide Type 1.5" B-DECK/ROOF, 24 in. wide Type N-DECK/ROOF.

MARLYN STEEL DECKS INC — Types B, F, N, NV

NEW MILLENNIUM BUILDING SYSTEMS L L C — Types B, BD, BI, F, ID, N, ND, NW32 and NW32I. Units may be phos/painted or galvanized

STEEL MASTERS INTERNATIONAL DEPENDABLE STEEL — 36 in. wide Types 2WH-36, 3WH-36. Units may be phos/painted or galvanized.

VERCO DECKING INC - A NUCOR CO — Deck types PLB, HSB, PLN1, HSN1, PLN, N FORMLOK™ deck types PLB, B, PLN3, N3, PLN, N. Units may be galvanized or phos./ptd. Deck may be vented or non-vented.

VULCRAFT, DIV OF NUCOR CORP — Galv or ptd/prd Types 1.5B, 1.5PLB, 1.5F, 3N, 3NI, 3.0PLN, 3NI.-32, 3NI-32, 3PLN-32; Types BW, B High Strength, BW High Strength, N; Types BW and N may be ptd/prd.

9. **Spray-Applied Fire Resistive Materials* —** Applied by mixing with water and spraying in one or more coats to the thicknesses shown below, to steel surfaces which are clean and free of dirt, loose scale, and oil. Min average and min individual density of 15 and 14 pcf, respectively, for Types 300, 300AC, 300ES, 300HS, 300N, 3000, 3000ES and 58. For Types 400AC and 400ES min average and min individual density of 22 and 19 pcf, respectively. Min avg density of 44 pcf with min ind value of 40 pcf for Types M-II and 1G. Min avg density of 47 pcf, with min individual value of 43 pcf for Type M-II/P. For method of density determination, see Design Information Section, Sprayed Material. Spray-Applied Fire Resistive Materials on steel deck shall cover screw tips by 1/2 in. min. Use of adhesive (Item 12) is required.
The min thickness of Spray-Applied Fire Resistive Materials required for various fire resistance ratings are shown in the table below:

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Min Insulation or Building Unit Core Thkns In.**	Protection Thkns In.			
				Deck	Beam	Joist (a)	Joist (b)
1	1	1	0	1/2	7/16	3/4	3/4
1-1/2	1-1/2	1-1/2	0	13/16	9/16	15/16	1-3/16
1-1/2	1-1/2	1-1/2	1	3/4	9/16	15/16	1-3/16
2	2	2	0	1-1/8	13/16	1-3/16	1-3/16
2	2	2	1	1-1/16	13/16	1-3/16	1-3/16
2	2	2	2	15/16	13/16	1-3/16	1-3/16
3	2	3	1	1-11/16	1-1/4	1-5/8	1-5/8
3	2	3	2	1-1/2	1-1/4	1-5/8	1-5/8

** Refers to Item Nos. 3, 3B, 3E, 3F, 3G, and 3H. For Item Nos. 3A, 3C, 3D or 3K, refer to individual description for min thickness.

The required minimum thickness of Spray-Applied Fire Resistive Materials on the steel deck is increased by 1/16 in. for 1-1/2 hr Unrestrained Assembly Rating and 1/4 in. for 2 hr Unrestrained Assembly Rating when Item 6B is used.

(a) Metal Lath (Item 10A) or nonmetallic fabric mesh (Item 10) secured to one side of joist. Spray-Applied Fire Resistive Materials thickness applied to each side of lath or mesh shall be equal to thickness required on steel joist.

(b) Spray-Applied Fire Resistive Materials directly applied to joist contours. As an alternate, metal lath (Item 10A) or nonmetallic mesh (Item 10) secured to one side of joist to catch overspray when spraying following joist contours. Metal lath to be fully covered with Spray-Applied Fire Resistive Materials but with no min thickness requirements.

BERLIN CO LTD — Types 300, 300ES, 300N, 58, M-II, TG and M-II/P

GREENTECH ASIA PACIFIC SDN BDH — Types 300, 300ES, 300HS, M-II, or M-II/P

GREENTECH THERMAL INSULATION PRODUCTS MFG CO L L C — Types 300, 300AC, 400AC, M-II, TG and M-II/P

ISOLATEK INTERNATIONAL — Types 300, 300AC, 300ES, 300HS, 58, 400AC, 400ES, 3000, 3000ES, M-II, TG and M-II/P

NEWKEM PRODUCTS CORP — Types 300, 300ES, 300N, 58, M-II, TG and M-II/P

9A. **(As an alternate to Item 9) Spray-Applied Fire Resistive Materials* —** Applied by mixing with water and spraying in one or more coats to the thicknesses shown below, to steel surfaces which are clean and free of dirt, loose scale, and oil. Min average and min individual density of 17.5 and 16 pcf, respectively, for Type 300TM. Min average and min individual density of 22 and 19 pcf, respectively, for Type 400. For method of density determination, see Design Information Section, Sprayed Material. Spray-Applied Fire Resistive Materials on steel deck shall cover screw tips by 1/2 in. min. Use of adhesive (Item 12) is required.
The min thickness of Spray-Applied Fire Resistive Materials required for various fire resistance ratings are shown in the table below:

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Min Insulation or Building Unit Core Thkns In.**	Protection Thkns In.			
				Deck	Beam	Joist (a)	Joist (b)
1	1	1	0	1/2	7/16	3/4	3/4
1-1/2	1-1/2	1-1/2	0	13/16	9/16	15/16	1-3/16
1-1/2	1-1/2	1-1/2	1	3/4	9/16	15/16	1-3/16
2	2	2	0	1-1/8	13/16	1-3/16	1-3/16
2	2	2	1	1-1/16	13/16	1-3/16	1-3/16
2	2	2	2	15/16	13/16	1-3/16	1-3/16
3	2	3	1	1-11/16	1-1/4	1-5/8	1-5/8
3	2	3	2	1-1/2	1-1/4	1-5/8	1-5/8

** Refers to Item Nos. 3, 3B, 3E, 3F, 3G, and 3H. For Item Nos. 3A, 3C, or 3D, refer to individual description for min thickness.

The required minimum thickness of Spray-Applied Fire Resistive Materials on the steel deck is increased by 1/16 in. for 1-1/2 hr Unrestrained Assembly Rating and 1/4 in. for 2 hr Unrestrained Assembly Rating when Item 6B is used.

(a) Metal Lath (Item 10A) or nonmetallic fabric mesh (Item 10) secured to one side of joist. Spray-Applied Fire Resistive Materials thickness applied to each side of lath or mesh shall be equal to thickness required on steel joist.

(b) Spray-Applied Fire Resistive Materials directly applied to joist contours. As an alternate, metal lath (Item 10A) or nonmetallic mesh (Item 10) secured to one side of joist to catch overspray when spraying following joist contours. Metal lath to be fully covered with Spray-Applied Fire Resistive Materials but with no min thickness requirements.
GREENTECH ASIA PACIFIC SDN BDH — Type 400

GREENTECH THERMAL INSULATION PRODUCTS MFG CO L L C — Type 400

ISOLATEK INTERNATIONAL — Type 300TW, Type 400

NEWKEM PRODUCTS CORP — Type 400

9B. **Sprayed Fiber Insulation* —** (Optional, Not Shown) — Spray applied fiber insulation, Classified to Surface Burning Characteristics (BNST), having a maximum applied density of 3.5 pcf, applied over Spray-Applied Fire Resistive Material (Item 9) on both steel floor and form units (Item 8) and supports (Item 7). Sprayed fiber insulation may be over Spray-Applied Fire Resistive Material (Item 9) according to the following tables:

Allowable Spray-Applied Fiber Insulation Thickness Over Steel Deck

Installed SFRM Thickness (in.) on Deck	SFRM Density (pcf)				
	15	17.5	22	44	47
1/2	5	5	5	5	5
3/4	5	5	5	5	5
13/16	5	5	5	5	5
15/16	5	5	5	5	5
1-1/16	5	5	5	5	5
1-1/8	5	5	5	5	5
1-1/2	5	5	5	5	5
1-11/16	5	5	5	5	5

Allowable Spray-Applied Fiber Insulation Thickness Over Beam

Installed SFRM Thickness (in.) on Deck	SFRM Density (pcf)				
	15	17.5	22	44	47
7/16	3-3/4	4-3/8	5-1/2	8	8
9/16	3-3/16	3-3/4	4-11/16	8	8
13/16	2-1/8	2-1/2	3-1/8	8	8
1-1/4	1/4	5/16	3/8	3-1/8	3-3/8

Allowable Spray-Applied Fiber Insulation Thickness Over Joist

Installed SFRM Thickness (in.) on Deck	SFRM Density (pcf)				
	15	17.5	22	44	47
3/4	8	8	8	8	8
15/16	8	8	8	8	8
1	8	8	8	8	8
1-3/16	7-1/4	8	8	8	8
1-5/8	5-3/8	6-1/4	7-7/8	8	8

INTERNATIONAL CELLULOSE CORP — Type K13, URE-K, or Sonospray FC

9d. **Sprayed Fiber Insulation* —** (Optional, Not Shown) — Spray applied fiber insulation Classified for Noncombustible Building Materials (BCIN), having a maximum applied density of 3.5 pcf, applied over Spray-Applied Fire Resistive Material (Item 9) on both steel floor and form units (Item 8) and supports (Item 7). Sprayed fiber insulation may be over Spray-Applied Fire Resistive Material (Item 9) according to the following tables:

Allowable Spray-Applied Fiber Insulation Thickness Over Steel Deck

Installed SFRM Thickness (in.) on Deck	SFRM Density (pcf)				
	15	17.5	22	44	47
1/2	5	5	5	5	5
3/4	5	5	5	5	5
13/16	5	5	5	5	5
15/16	5	5	5	5	5
1 1/16	5	5	5	5	5
1 1/8	5	5	5	5	5
1 1/2	5	5	5	5	5
1 11/16	5	5	5	5	5

Allowable Spray-Applied Fiber Insulation Thickness Over Beam

Installed SFRM Thickness (in.) on Deck	SFRM Density (pcf)				
	15	17.5	22	44	47
7/16	5	5	5	5	5
9/16	5	5	5	5	5
13/16	4 9/16	5	5	5	5
1 1/4	2 11/16	3 1/8	3 15/16	5	5

Allowable Spray-Applied Fiber Insulation Thickness Over Joist

Installed SFRM Thickness (in.) on Deck	SFRM Density (pcf)				
	15	17.5	22	44	47
3/4	5	5	5	5	5
15/16	5	5	5	5	5

THERMACOUSTICS IND — Type TC-417

9e. **Sprayed Fiber Insulation* —** (Optional, Not Shown) — Spray applied fiber insulation Classified for Surface Burning Characteristics (BNST), having a maximum applied density of 2.8 pcf, applied over Spray-Applied Fire Resistive Material (Item 9) on both steel floor and form units (Item 8) and supports (Item 7). Sprayed fiber insulation may be over Spray-Applied Fire Resistive Material (Item 9) according to the following tables:

Allowable Spray-Applied Fiber Insulation Thickness Over Steel Deck

Installed SFRM Thickness (in.) on Deck	SFRM Density (pcf)				
	15	17.5	22	44	47
1/2	5	5	5	5	5
3/4	5	5	5	5	5
13/16	5	5	5	5	5
15/16	5	5	5	5	5
1-1/16	5	5	5	5	5
1-1/8	5	5	5	5	5
1-1/2	5	5	5	5	5
1-11/16	5	5	5	5	5

Allowable Spray-Applied Fiber Insulation Thickness Over Beam

Installed SFRM Thickness (in.) on Deck	SFRM Density (pcf)				
	15	17.5	22	44	47
7/16	3-3/4	4-3/8	5-1/2	8	8
9/16	3-3/16	3-3/4	4-11/16	8	8
13/16	2-1/8	2-1/2	3-1/8	8	8
1-1/4	1/4	5/16	3/8	3-1/8	3-3/8

Allowable Spray-Applied Fiber Insulation Thickness Over Joist

Installed SFRM Thickness (in.) on Deck	SFRM Density (pcf)				
	15	17.5	22	44	47
3/4	8	8	8	8	8
15/16	8	8	8	8	8
1	8	8	8	8	8
1-3/16	7-1/4	8	8	8	8
1-5/8	5-3/8	6-1/4	7-7/8	8	8

MONOGLASS INC — Type Monoglass

10. **Glue Fiber Mesh** — (Optional) — Min 3/32 in. sq mesh, coated fiberglass scrim fabric, weighing a min of 1.9 oz/sq yd shall be attached to one side of each joist web member. The method of attachment must be sufficient to hold the mesh and fire protection material during application and curing of the material. An acceptable method of attaching the mesh is by embedding the mesh in min 1/4 in. long beads of hot melted glue.
The beads of glue shall be spaced max 12 in. OC along the top chord of the bar joists. Another method of attachment is the use of 1-1/4 in. long, 1/2 in. wide hairpin clips formed from 0.054 in. diam steel wire, alternating from top to bottom of the joist web member.

10A. **Metal Lath —** (Optional — Not Shown) — In lieu of Item 10, diamond mesh, 3/8 in. expanded steel, min 1.7 lb/sq yd fastened to one side of joists using No. 18 SWG steel tie wire, located at the midheight of every other web member or 18 in. OC whichever is less. Both sides of lath must be completely coated with Spray-Applied Fire Resistive Materials.

10B. **Metal Lath —** (For use on steel roof deck with Types M-II, TG, and M-II/P Spray-Applied Fire Resistive Material) - 3/8 in. diamond mesh, min 2.5 lbs per sq yd painted or galv expanded steel. Fastened to steel roof deck with ribs (if any) facing down using, No. 8 by 1/2 in. wafer head self-drilling, self-tapping, coated steel screws spaced max 15 in OC in both directions for 1 and 1-1/2 hr ratings. Spaced a max 12 in. OC in both directions for 2 hr ratings, with edges overlapped approx 3 in.

11. **Bridging —** (Not Shown) — Min 1-1/4 by 1-1/4 by 1/8 in. thick steel angles welded to top and bottom chords of each joist. Number and spacing of bridging angles per Steel Joist Institute specification. Bridging coated with the same thickness of Spray-Applied Fire Resistive Materials as the joist(s) — See Item 9.

12. **Adhesive* —** Applied to steel roof deck in accordance with manufacturer's instructions.
ISOLATEK INTERNATIONAL — Type EBS or Type X

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2022-11-22

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System D — 2 Hr.

Gypsum panels, with beveled, square or tapered edges, nom 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, attached directly to studs with 1 in. long Type S steel screws spaced 24 in. when installed vertically or 16 in. OC when installed horizontally. Horizontal joints need not be backed by steel framing. Requires face layer of 1/2 or 5/8 in. thick cementitious backer units per Item 7 and min 1-1/2 in. thick mineral wool batts per Item 6.

CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, USGX, WRC, WRX

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Types C and S

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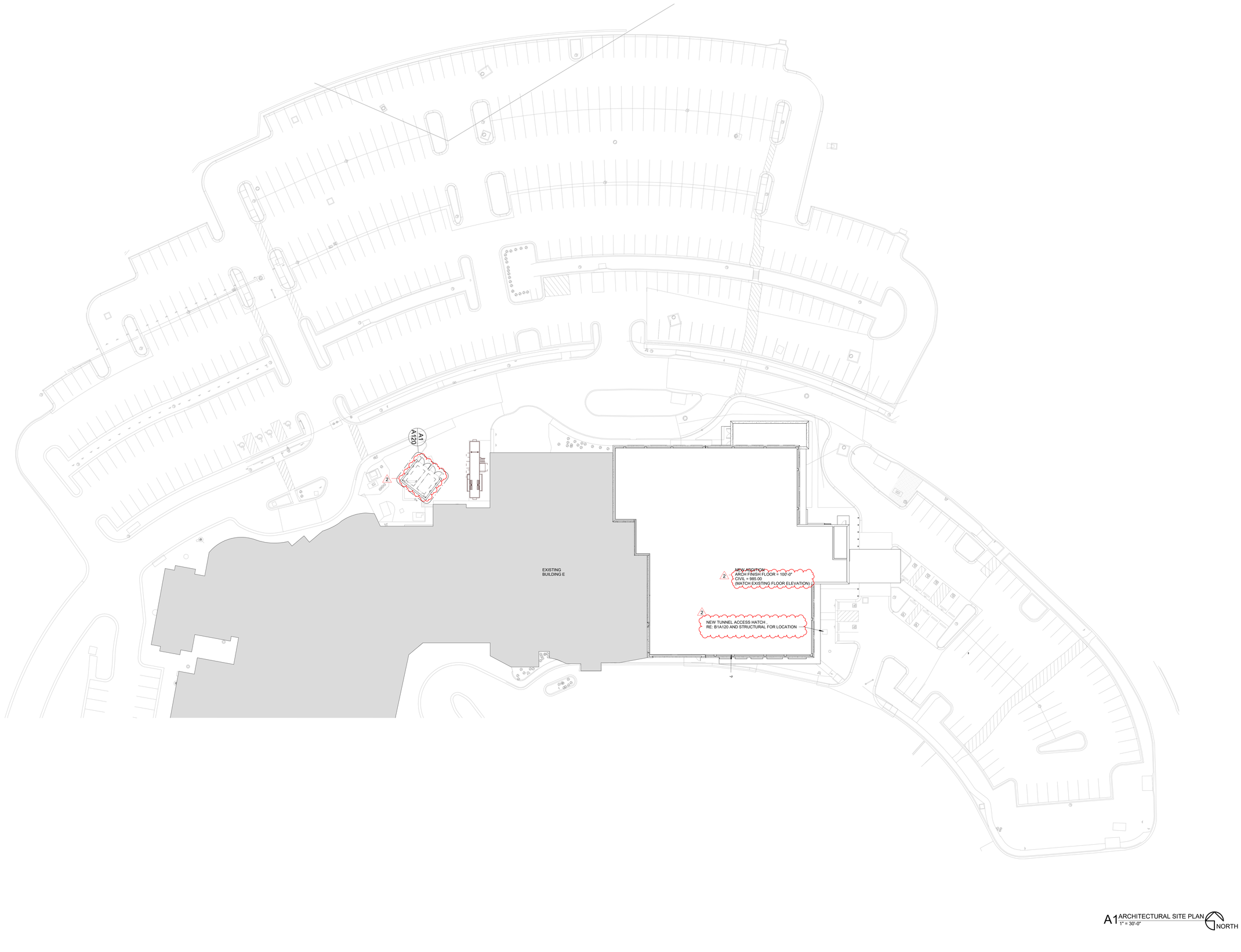

A1 ARCHITECTURAL SITE PLAN
1" = 30'-0"
NORTH

RELEASED FOR CONSTRUCTION
As noted on this sheet
Planning & Development Services Department
Lee's Summit, Missouri
01/16/2024

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI/BOLAND ARCHITECTS

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

CIVIL CONSULTANT

BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number:
#001355

STRUCTURAL CONSULTANT

Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#000396

MEP CONSULTANT

IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#00127265

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL

ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description
2	2-10-23	ADDENDUM #2

CONSTRUCTION DOCUMENTS

A110

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ARCHITECTURAL SITE PLAN

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/3-21037_ASC Expansion & Renovation.rvt

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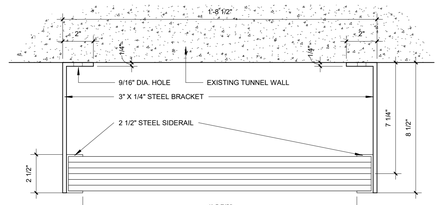
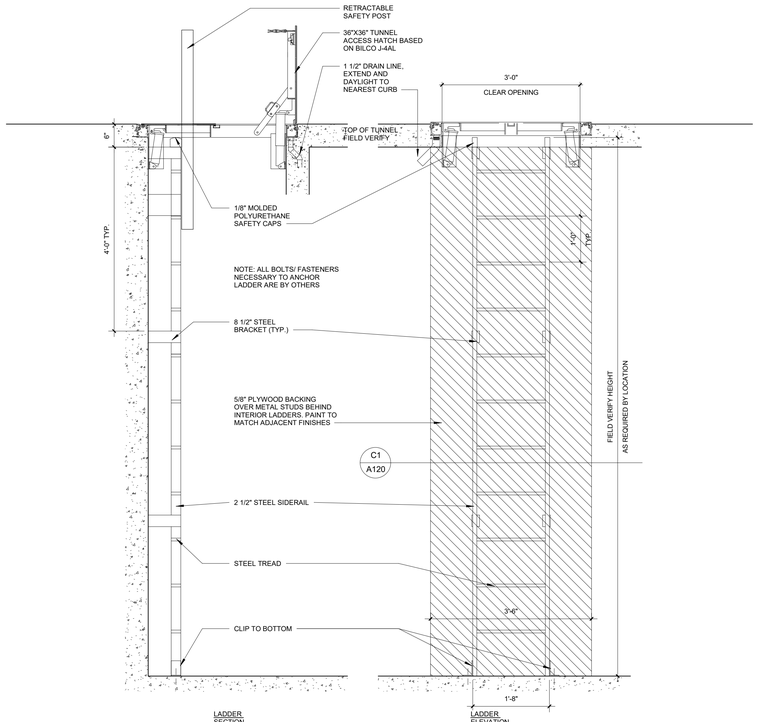
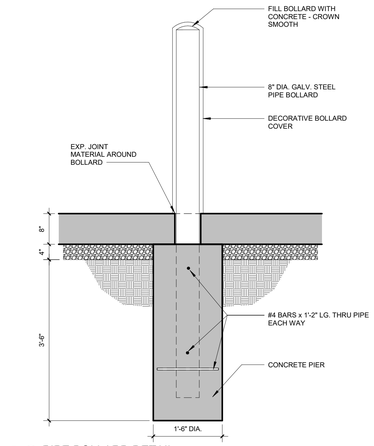


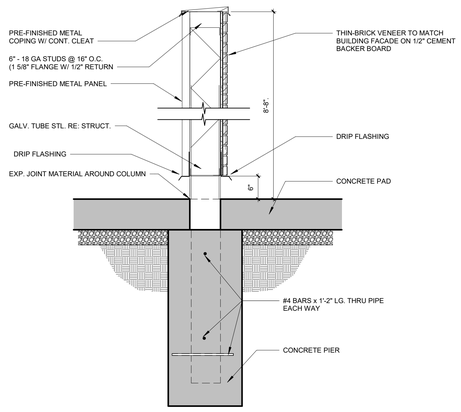
C1 TUNNEL ACCESS LADDER SECTION
3" = 1'-0"



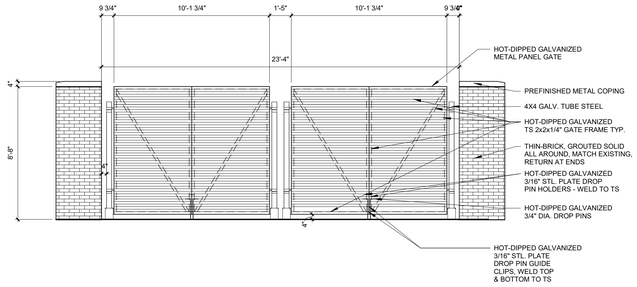
B1 TUNNEL ACCESS LADDER
3/4" = 1'-0"



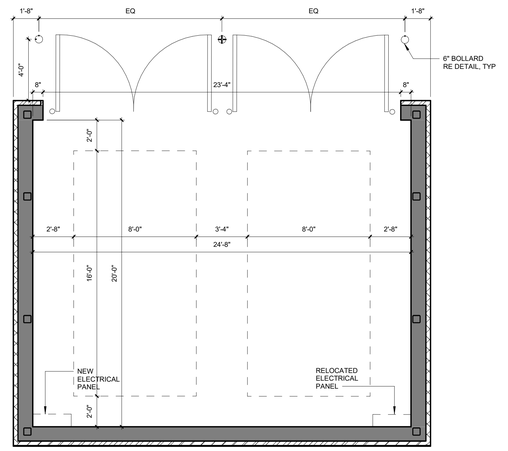
A6 PIPE BOLLARD DETAIL
3/4" = 1'-0"



A5 TRASH SCREEN
3/4" = 1'-0"



A3 TRASH ENCLOSURE ELEVATION
1/4" = 1'-0"



NOTE: DEMO AND REMOVE EXISTING COMPACTOR ENCLOSURE. LOCATE NEW ENCLOSURE PER CIVIL PLANS

A1 01 - TRASH ENCLOSURE PLAN
1/4" = 1'-0"

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As noted on this sheet
Community Development Services Department
Lee's Summit, Missouri
01/16/2024

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number:
#001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#00127265

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description
2	2-10-23	ADDENDUM #2

CONSTRUCTION DOCUMENTS
A120

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ARCHITECTURAL SITE PLAN DETAILS

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/3-21037_ASC Expansion & Renovation.rvt

RELEASED FOR CONSTRUCTION
As noted on Plans
Building Services Department
Kansas City, Missouri
01/16/2024

THIRD FLOOR - FFE SCHEDULE

TYPE MARK	DESCRIPTION	RESPONSIBILITY	COMMENTS
A1015	PHONE, DESK	OFOI	POWER AND DATA REQUIRED, RE: MEP
A1066	MIRROR	CFCI	
A4995	DIAPER CHANGING TABLE	CFCI	
A5075	SOAP DISPENSER	OFCI	
A5077	DISPENSER, HAND SANITIZER	OFCI	
A5082	PAPER TOWEL DISPENSER	OFCI	
A5090	SANITARY NAPKIN DISPOSAL	OFCI	
A5093	EMESIS BAG DISPENSER, WALL MOUNTED	OFOI	
A5107	GLOVES	OFCI	
A5108	SHARPS	OFCI	
A5109a	GRAB BAR, 36"	CFCI	PROVIDE IN WALL BLOCKING, RE: SPECS
A5109b	GRAB BAR, 42"	CFCI	PROVIDE IN WALL BLOCKING, RE: SPECS
A5109c	VERTICAL GRAB BAR	CFCI	PROVIDE IN WALL BLOCKING, RE: SPECS
A5135	UTILITY SHELF, MOP AND BROOM HOLDER	CFCI	PROVIDE IN WALL BLOCKING, RE: SPECS
A5145	HOOK, GARMENT DBL	OFCI	
A5180a	CUBICLE CURTAIN W/ TRACK	OFCI	CURTAINS - OFOI; CURTAIN TRACK - CFCI. RE: SPECS
A5180b	CUBICLE CURTAIN W/ TRACK	OFCI	CURTAINS - OFOI; CURTAIN TRACK - CFCI. RE: SPECS
A5181a	PANEL DIVIDER	VFVI	BY JAM
A5200	TOILET PAPER DISPENSER	OFCI	PROVIDE IN WALL BLOCKING
E0120a	JAM WORKSTATION, 72"W	VFVI	BY JAM
E0120b	JAM WORKSTATION, 66"W	VFVI	BY JAM
E0120c	JAM WORKSTATION, 60" W	VFVI	BY JAM
E0120d	JAM WORKSTATION, 54" W	VFVI	
E0120e	JAM WORKSTATION, 48" W	VFVI	
E0120f	JAM WORKSTATION, 42"W	VFVI	BY JAM
E0121a	JAM FLIPPER BIN, 24" W	VFVI	
E0121b	JAM FLIPPER BIN, 27" W	VFVI	BY JAM
E0121c	JAM UPPER FLIPPER BIN, 30" W	VFVI	
E0121d	JAM FLIPPER BIN, 36" W	VFVI	BY JAM
E0122f	JAM ROUND END PENINSULA, 30"D, 54"W	VFVI	BY JAM
E0122g	JAM ROUND END PENINSULA, 30"D, 60"W	VFVI	BY JAM
E0945a	WORKSTATION, MOBILE, SINGLE MONITOR	OFOI	POWER AND DATA REQUIRED, RE: MEP
E0948	GENERAL STORAGE CART	OFOI	
E0963	MOBILE STORAGE	OFOI	
F0205	SIDE CHAIR	VFVI	
F0220	CHAIR, CONFERENCE	VFVI	BY JAM
F0225	BAR CHAIR	VFVI	BY JAM
F0250	LOUNGE CHAIR	VFVI	BY JAM
F0275	CHAIR, HIGH BACK	VFVI	BY JAM
F0300	CHAIR, TASK	VFVI	
F0306	CHAIR, WAITING ROOM, BARIATRIC	VFVI	BY JAM
F0375	LARGE SOFA	VFVI	BY JAM
F0430	MOBILE BBF	VFVI	
F0600	CREDENZA	VFVI	BY JAM
F0740	END TABLE	VFVI	BY JAM
F0750a	TABLE, 48"X24"	OFOI	
F0750b	TABLE, 60"X24"	VFVI	BY JAM
F0755	CONFERENCE TABLE W/ POWER	VFVI	BY JAM; POWER AND DATA REQUIRED, RE: MEP
F2010	STEP TRASHCAN	OFOI	
F2050	SHREDDER BIN	OFOI	POWER REQUIRED, RE: MEP
F3050	WHITEBOARD	OFOI	PROVIDE IN WALL BLOCKING
K1550	COFFEE MAKER	OFOI	POWER AND PLUMBING CONNECTION REQUIRED, RE: MEP
K2110	DISPENSER, WATER, COUNTERTOP	OFOI	POWER AND PLUMBING CONNECTION REQUIRED, RE: MEP
K2515	DISHWASHER	OFOI	POWER AND PLUMBING CONNECTION REQUIRED, RE: MEP
K4665	MICROWAVE	OFOI	POWER REQUIRED, RE: MEP
L1200	CABINET, SPECIMEN PASS THRU	CFCI	
L1300	CENTRIFUGE	OFOI	POWER REQUIRED, RE: MEP
M0506b	TV, 55"	OFCI	PROVIDE IN WALL BLOCKING; POWER AND CABLE REQUIRED, RE: MEP; COORDINATE REQUIRED BRACKET TYPE W/ OWNER
M0720	PFT BOOTH	OFOI	POWER REQUIRED, RE: MEP
M1410a	PHLEBOTOMY CHAIR	OFOI	
M1410b	PHLEBOTOMY CHAIR, BARIATRIC	OFOI	
M1801	COMPUTER	OFOI	POWER AND DATA REQUIRED, RE: MEP
M1802	DUAL COMPUTER MONITOR WITH KEYBOARD AND MOUSE	OFOI	POWER AND DATA REQUIRED, RE: MEP
M1803a	WORKSTATION, WALL MOUNTED	OFOI	
M1825b	PRINTER, DESKTOP, SMALL	OFOI	POWER AND DATA REQUIRED, RE: MEP
M1840	MFD PRINTER	OFOI	POWER AND DATA REQUIRED, RE: MEP
M1880	CHECK IN KIOSK	OFOI	
M2025	OXYGEN TANK RACK	OFOI	
M2055	WIRE SHELVING, 48"Wx18"Dx74"H	OFOI	
M3070a	LINEN HAMPER	OFOI	
M3070b	LINEN HAMPER, LARGE	OFOI	
M3072	FRAME, INFECTIOUS WASTE BAG, W/ LID	OFOI	
M3073	BASKET, INFECTIOUS WASTE, STEP-ON		
M3073b	BIOHAZARD BIN	OFOI	
M3108	BOVIE MACHINE	OFOI	POWER REQUIRED, RE: MEP
M3185	HYFRECATOR, MOBILE	OFOI	POWER REQUIRED, RE: MEP
M4020	SCALE	OFOI	POWER REQUIRED, RE: MEP
M4050	HEIGHT MEASURING DEVICE	OFCI	
M4100	SPHYG	OFOI	
M4200	OTOSCOPE	OFOI	
M4655	STRETCHER	OFOI	
M4705	WHEELCHAIR	OFOI	
M4840	MOBILE SUCTION	OFOI	POWER REQUIRED, RE: MEP
M4915	EXAM CHAIR	OFOI	POWER REQUIRED, RE: MEP
M4925	PROCEDURE TABLE	OFOI	POWER REQUIRED, RE: MEP
M5030	STOOL	OFOI	
M7405	EXAM LIGHT	CFCI	POWER REQUIRED, RE: MEP
M7420	EXAM LIGHT, MOBILE	OFOI	POWER REQUIRED, RE: MEP
M7470	EXAM LIGHT, DIMMABLE	VFVI	POWER REQUIRED, RE: MEP
M8540	MICROSCOPE, WALL MOUNTED	OFOI	PROVIDE IN WALL BLOCKING; POWER REQUIRED, RE:MEP
M8607	SCOPE TOWER, WALL MOUNTED	OFOI	POWER AND DATA REQUIRED, RE:MEP; PROVIDE IN WALL BLOCKING AND MOUNTING BRACKET
M8810	MAYO STAND	OFOI	
M8825	MOBILE INSTRUMENT TABLE	OFOI	
M8900	PAIL, CARRIAGE	OFOI	
M8905	PAIL, UTILITY	OFOI	
M9005	ULTRASOUND MACHINE ON CART	OFOI	POWER REQUIRED, RE: MEP
M9025	EXAM TABLE	OFOI	POWER REQUIRED, RE: MEP
P1965	EYEWASH, COUNTERTOP MOUNTED	CFCI	
P8710	PLUMBING CONNECTION, UTILITY CENTER	CFCI	
R4400	COUNTERTOP ICE/WATER MACHINE	OFCI	POWER AND PLUMBING CONNECTION REQUIRED, RE: MEP
R6090	MEDICAL FRIDGE	OFOI	
R7250	REFRIGERATOR/ FREEZER, 20 CU FT	OFOI	POWER AND PLUMBING CONNECTION REQUIRED, RE: MEP
S1900a	PASS THRU WINDOW	CFCI	
S2615	TROPHON	OFOI	POWER REQUIRED, RE: MEP
S2627a	WASHER, FIBER SCOPE	OFOI	POWER AND PLUMBING CONNECTION REQUIRED, RE: MEP
S4800	AUTOCLAVE	OFOI	POWER REQUIRED, RE: MEP
U1001	ALUMINUM SIGNAGE	CFCI	METAL 3/16" BRUSHED CLEAR ANODIZED LASER CUT SIGNAGE ON 1/2 HIDDEN POINT STANDOFF HARDWARE, RE: SPECS
U1005	FURNITURE SYSTEM WALL AND TRANSACTION TOP	VFVI	BY JAM
U1008	FURNITURE SYSTEM WALL AND TRANSACTION TOP	VFVI	BY JAM

SECOND FLOOR - FFE SCHEDULE

TYPE MARK	DESCRIPTION	RESPONSIBILITY	COMMENTS
A0900	IT EQUIPMENT	VFVI	
A1015	PHONE, DESK	OFOI	POWER AND DATA REQUIRED, RE: MEP
A1066	MIRROR	CFCI	
A5075	SOAP DISPENSER	OFCI	
A5077	DISPENSER, HAND SANITIZER	OFCI	
A5082	PAPER TOWEL DISPENSER	OFCI	
A5107	GLOVES	OFCI	
A5108	SHARPS	OFCI	
A5109a	GRAB BAR, 36"	CFCI	PROVIDE IN WALL BLOCKING, RE: SPECS
A5109b	GRAB BAR, 42"	CFCI	PROVIDE IN WALL BLOCKING, RE: SPECS
A5109c	VERTICAL GRAB BAR	CFCI	PROVIDE IN WALL BLOCKING, RE: SPECS
A5135	UTILITY SHELF, MOP AND BROOM HOLDER	CFCI	PROVIDE IN WALL BLOCKING, RE: SPECS
A5145	HOOK, GARMENT DBL	OFCI	
A5181a	PANEL DIVIDER	VFVI	BY JAM
A5181b	DIVIDER PANEL	VFVI	BY JAM
A5200	TOILET PAPER DISPENSER	OFCI	PROVIDE IN WALL BLOCKING
A6030	VENDING MACHINE	VFVI	POWER REQUIRED, RE: MEP
E0120a	JAM WORKSTATION, 72"W	VFVI	BY JAM
E0120b	JAM WORKSTATION, 66"W	VFVI	BY JAM
E0120c	JAM WORKSTATION, 60" W	VFVI	BY JAM
E0120d	JAM WORKSTATION, 54" W	VFVI	BY JAM
E0120e	JAM WORKSTATION, 48" W	VFVI	BY JAM
E0120f	JAM WORKSTATION, 42"W	VFVI	BY JAM
E0120g	JAM WORKSTATION, 36" W	VFVI	BY JAM
E0120i	JAM WORKSTATION, 24"W	VFVI	BY JAM
E0120n	JAM WORKSTATION, 72"W	VFVI	BY JAM
E0121a	JAM FLIPPER BIN, 24" W	VFVI	
E0121b	JAM FLIPPER BIN, 27" W	VFVI	BY JAM
E0121c	JAM UPPER FLIPPER BIN, 30" W	VFVI	
E0121d	JAM FLIPPER BIN, 36" W	VFVI	
E0121e	JAM FLIPPER BIN, 42"W	VFVI	BY JAM
E0122b	JAM ROUND END PENINSULA, 54" W	VFVI	BY JAM
E0122c	JAM ROUND END PENINSULA, 60" W	VFVI	BY JAM
E0122d	JAM ROUND END PENINSULA, 72" W	VFVI	BY JAM
E0122g	JAM ROUND END PENINSULA, 30"D, 60"W	VFVI	BY JAM
E0122h	JAM ROUND END PENINSULA, 30"D, 72"W	VFVI	BY JAM
E0945b	COMPUCADDY	OFOI	POWER AND DATA REQUIRED, RE: MEP
E0954	CRASH CART	OFOI	EMERGENCY POWER REQUIRED, RE: MEP
F0110	BOOKCASE, 3 SHELF	VFVI	BY JAM
F0205	SIDE CHAIR	VFVI	
F0220	CHAIR, CONFERENCE	VFVI	BY JAM
F0225	BAR CHAIR	VFVI	BY JAM
F0300	CHAIR, TASK	VFVI	BY JAM
F0306	CHAIR, WAITING ROOM, BARIATRIC	VFVI	BY JAM
F0375	LARGE SOFA	VFVI	BY JAM
F0415	FILE CABINET	VFVI	BY JAM
F0430	MOBILE BBF	VFVI	BY JAM
F0600	CREDENZA	VFVI	BY JAM
F0734d	TABLE	VFVI	BY JAM
F0734e	ROUND TABLE, 42" DIA.	VFVI	BY JAM
F0734f	END TABLE	VFVI	BY JAM
F0740	END TABLE	VFVI	BY JAM
F0750b	TABLE, 60"X24"	VFVI	BY JAM
F0755	CONFERENCE TABLE W/ POWER	VFVI	BY JAM; POWER AND DATA REQUIRED, RE: MEP
F2010	STEP TRASHCAN	OFOI	
F2020	44 GALLON TRASH	OFOI	
F2550	SHREDDER BIN	OFOI	POWER REQUIRED, RE: MEP
K1550	COFFEE MAKER	OFOI	POWER AND PLUMBING CONNECTION REQUIRED, RE: MEP
K2110	DISPENSER, WATER, COUNTERTOP	OFOI	POWER AND PLUMBING CONNECTION REQUIRED, RE: MEP
K2515	DISHWASHER	OFOI	POWER AND PLUMBING CONNECTION REQUIRED, RE: MEP
K4665	MICROWAVE	OFOI	POWER REQUIRED, RE: MEP
M0506b	TV, 55"	OFCI	PROVIDE IN WALL BLOCKING; POWER AND CABLE REQUIRED, RE: MEP; COORDINATE REQUIRED BRACKET TYPE W/ OWNER
M0506c	TV, 80"	OFCI	PROVIDE IN WALL BLOCKING; POWER AND CABLE REQUIRED, RE: MEP; COORDINATE REQUIRED BRACKET TYPE W/ OWNER
M1801	COMPUTER	OFOI	POWER AND DATA REQUIRED, RE: MEP
M1802	DUAL COMPUTER MONITOR WITH KEYBOARD AND MOUSE	OFOI	POWER AND DATA REQUIRED, RE: MEP
M1803b	MONITOR, WALL MOUNTED	OFCI	
M1825c	PRINTER/SCANNER, DESKTOP	OFOI	POWER AND DATA REQUIRED, RE: MEP
M1840	MFD PRINTER	OFOI	POWER AND DATA REQUIRED, RE: MEP
M2055	WIRE SHELVING, 48"Wx18"Dx74"H	OFOI	
M3070a	LINEN HAMPER	OFOI	
M3072	FRAME, INFECTIOUS WASTE BAG, W/ LID	OFOI	
M4020	SCALE	OFOI	POWER REQUIRED, RE: MEP
M4100	SPHYG	OFOI	PROVIDE IN WALL BLOCKING, RE: SPECS
M4705	WHEELCHAIR	OFOI	
M5030	STOOL	OFOI	
M9005	ULTRASOUND MACHINE ON CART	OFOI	POWER REQUIRED, RE: MEP
M9055	EXAM TABLE, ORTHOPEDIC	OFOI	
P1965	EYEWASH, COUNTERTOP MOUNTED	CFCI	
R4400	COUNTERTOP ICE/WATER MACHINE	OFCI	POWER AND PLUMBING CONNECTION REQUIRED, RE: MEP
R6200	REFR, U/C	OFOI	POWER AND PLUMBING CONNECTION REQUIRED, RE: MEP
R7250	REFRIGERATOR/ FREEZER, 20 CU FT	OFOI	POWER AND PLUMBING CONNECTION REQUIRED, RE: MEP
S1900a	PASS THRU WINDOW	CFCI	
S4800	AUTOCLAVE	OFOI	POWER REQUIRED, RE: MEP
U1001	ALUMINUM SIGNAGE	CFCI	METAL 3/16" BRUSHED CLEAR ANODIZED LASER CUT SIGNAGE ON 1/2 HIDDEN POINT STANDOFF HARDWARE, RE: SPECS
U1002	LAMINATOR	OFOI	POWER AND DATA REQUIRED, RE: MEP
U1003	WALL HUNG CHAIR	VFVI	BY JAM
U1005	FURNITURE SYSTEM WALL AND TRANSACTION TOP	VFVI	BY JAM

FIRST FLOOR - FFE SCHEDULE

TYPE MARK	DESCRIPTION	RESPONSIBILITY	COMMENTS
A1015	PHONE, DESK	OFOI	POWER AND DATA REQUIRED, RE: MEP
A1030a	JAM FOUR TIER LOCKER	VFVI	BY JAM
A1030b	JAM TWO TIER LOCKER	VFVI	BY JAM
A1066	MIRROR	CFCI	RE: SPECS
A1122	MONITOR W/ EQUIPMENT ARM, CEILING MOUNTED	VFCI	UNISTRUT REQUIRED; POWER REQUIRED; RE: STRUCTURAL, MEP & VENDOR DRAWINGS
A1140	ROTARY ACTION MEDICAL FILE SHELF	OFCI	
A1145	SHELVING, HIGH DENSITY, SURFACE RAIL	OFOI	
A1195	3 BASIN SINK	CFCI	EXISTING. PLUMBING REQUIRED, RE: MEP
A1195R	3 BASIN SINK, REUSE	VFCI	POWER AND PLUMBING REQUIRED, RE: MEP
A4015	CLOCK, TIME LAPSE, ELECTRIC	OFOI	POWER AND DATA REQUIRED, RE: MEP
A5025	PORTABLE BENCH	VFVI	BY JAM
A5026	PORTABLE BENCH	VFVI	BY JAM
A5065	CABINET, NARCOTICS, LOCKING	OFOI	
A5075	SOAP DISPENSER	OFCI	
A5077	DISPENSER, HAND SANITIZER	OFCI	
A5082	PAPER TOWEL DISPENSER	OFCI	
A5090	SANITARY NAPKIN DISPOSAL	OFCI	
A5107	GLOVES	OFCI	
A5108	SHARPS	OFCI	
A5108b	SHARPS, FLOOR CONTAINER	OFOI	POWER REQUIRED, RE: MEP
A5109a	GRAB BAR, 36"	CFCI	PROVIDE IN WALL BLOCKING, RE: SPECS
A5109b	GRAB BAR, 42"	CFCI	PROVIDE IN WALL BLOCKING, RE: SPECS
A5109c	VERTICAL GRAB BAR	CFCI	PROVIDE IN WALL BLOCKING, RE: SPECS
A5135	UTILITY SHELF, MOP AND BROOM HOLDER	CFCI	
A5145	HOOK, GARMENT DBL	OFCI	PROVIDE IN WALL BLOCKING, RE: SPECS
A5180a	CUBICLE CURTAIN W/ TRACK	CFCI	CURTAINS - OFOI; CURTAIN TRACK - CFCI. RE: SPECS
A5180b	CUBICLE CURTAIN W/ TRACK	CFCI	CURTAINS - OFOI; CURTAIN TRACK - CFCI. RE: SPECS
A5181b	DIVIDER PANEL	VFVI	BY JAM
A5200	TOILET PAPER DISPENSER	OFCI	PROVIDE IN WALL BLOCKING
A5210	TV BRACKET	OFCI	PROVIDE IN WALL BLOCKING; TYPICAL FOR ALL TVs
E0120b	JAM WORKSTATION, 66"W	VFVI	BY JAM
E0120c	JAM WORKSTATION, 60" W	VFVI	BY JAM
E0120d	JAM WORKSTATION, 54" W	VFVI	BY JAM
E0120e	JAM WORKSTATION, 48" W	VFVI	BY JAM
E0120f	JAM WORKSTATION, 42"W	VFVI	BY JAM
E0120g	JAM WORKSTATION, 36" W	VFVI	BY JAM
E0120h	JAM WORKSTATION, 96" W	VFVI	BY JAM
E0120i	JAM WORKSTATION, 60"W 30"D	VFVI	BY JAM
E0121a	JAM FLIPPER BIN, 24" W	VFVI	BY JAM
E0121b	JAM FLIPPER BIN, 27" W	VFVI	BY JAM
E0121c	JAM UPPER FLIPPER BIN, 30" W	VFVI	BY JAM
E0121d	JAM FLIPPER BIN, 36" W	VFVI	BY JAM
E0121e	JAM FLIPPER BIN , 42"W	VFVI	BY JAM
E0121f	JAM FLIPPER BIN, 48"W	VFVI	BY JAM
E0122e	JAM ROUND END PENINSULA, 30"D, 48"W	OFOI	BY JAM
E0122f	JAM ROUND END PENINSULA, 30"D, 54"W	VFVI	BY JAM
E0122g	JAM ROUND END PENINSULA, 30"D, 60"W	VFVI	BY JAM
E0122h	JAM ROUND END PENINSULA, 30"D, 72"W	VFVI	BY JAM
E0135	PACK/WRAP STATION	VFVI	RE: VENDOR DRAWINGS
E0135aR	PACK/WRAP STATION, REUSE	OFOI	
E0135bR	PACK/WRAP STATION, REUSE	OFOI	
E0945a	WORKSTATION, MOBILE, SINGLE MONITOR	OFOI	POWER AND DATA REQUIRED, RE: MEP
E0948	GENERAL STORAGE CART	OFOI	
E0954	CRASH CART	OFOI	EMERGENCY POWER REQUIRED, RE: MEP
E0954R	CRASH CART, REUSE	OFOI	EMERGENCY POWER REQUIRED, RE: MEP
E0975R	PRINTER SHELF, REUSE	OFOI	POWER AND DATA REQUIRED, RE: MEP
F0205	SIDE CHAIR	VFVI	BY JAM
F0220	CHAIR, CONFERENCE	VFVI	BY JAM
F0225	BAR CHAIR	VFVI	BY JAM
F0265	CHAIR, RECLINER	VFVI	BY JAM
F0300	CHAIR, TASK	VFVI	BY JAM
F0306	CHAIR, WAITING ROOM, BARIATRIC	VFVI	BY JAM
F0375	LARGE SOFA	VFVI	BY JAM
F0415	FILE CABINET	VFVI	BY JAM
F0430	MOBILE BBF	VFVI	BY JAM
F0600	CREDENZA	VFVI	BY JAM
F0734f	END TABLE	VFVI	BY JAM
F0740	END TABLE	VFVI	BY JAM
F0750c	TABLE, 60"X30"	VFVI	BY JAM
F0750e	TABLE, 60"X18"	VFVI	BY JAM
F0755	CONFERENCE TABLE W/ POWER	VFVI	BY JAM; POWER AND DATA REQUIRED, RE: MEP
F2010	STEP TRASHCAN	OFOI	
F2017	WASTE RECEPTACLE	OFOI	
F2020	44 GALLON TRASH	OFOI	
F2520R	TIME CLOCK, EMPLOYEE, REUSE	OFOI	POWER REQUIRED, RE: MEP
F3050	WHITEBOARD	OFOI	PROVIDE IN WALL BLOCKING
K1550	COFFEE MAKER	OFOI	POWER AND PLUMBING CONNECTION REQUIRED, RE: MEP
K2020R	DETERGENT SYSTEM, WALL MOUNTED, 3 CONTAINER, REUSE	VFVI	POWER REQUIRED, RE: MEP
K2110	DISPENSER, WATER, COUNTERTOP	OFOI	POWER AND PLUMBING CONNECTION REQUIRED, RE: MEP
K2515	DISHWASHER	OFCI	POWER AND PLUMBING CONNECTION REQUIRED, RE: MEP
K4665	MICROWAVE	OFOI	POWER REQUIRED, RE: MEP
K4665R	MICROWAVE, REUSE	OFOI	POWER REQUIRED, RE: MEP
L0100R	MICROSCOPE, REUSE	OFOI	POWER REQUIRED, RE: MEP
L3430R	CRYSOSTAT, MANUAL, REUSE	OFOI	POWER REQUIRED, RE: MEP
M0506a	TV, 32"	OFCI	PROVIDE IN WALL BLOCKING; POWER AND CABLE REQUIRED, RE: MEP; COORDINATE REQUIRED BRACKET TYPE W/ OWNER
M0506aR	TV, 32", REUSE	OFCI	PROVIDE IN WALL BLOCKING; POWER AND CABLE REQUIRED, RE: MEP; COORDINATE REQUIRED BRACKET TYPE W/ OWNER
M0506b	TV, 55"	OFCI	PROVIDE IN WALL BLOCKING; POWER AND CABLE REQUIRED, RE: MEP; COORDINATE REQUIRED BRACKET TYPE W/ OWNER
M0506bR	TV, 32", REUSE	OFCI	PROVIDE IN WALL BLOCKING; POWER AND CABLE REQUIRED, RE: MEP; COORDINATE REQUIRED BRACKET TYPE W/ OWNER
M0506cR		OFCI	
M0506dR		OFCI	
M0506eR	TELEVISION, 43", REUSE	OFCI	PROVIDE IN WALL BLOCKING; POWER AND CABLE REQUIRED, RE: MEP; COORDINATE REQUIRED BRACKET TYPE W/ OWNER
M0630	ANESTHESIA APPARATUS, 3 GAS	OFOI	POWER REQUIRED, RE: MEP
M1801	COMPUTER	OFOI	POWER AND DATA REQUIRED, RE: MEP
M1802	DUAL COMPUTER MONITOR WITH KEYBOARD AND MOUSE	OFOI	POWER AND DATA REQUIRED, RE: MEP
M1825a	PRINTER, DESKTOP	OFOI	POWER AND DATA REQUIRED, RE: MEP
M1825bR	PRINTER, DESKTOP, SMALL, REUSE	OFOI	POWER AND DATA REQUIRED, RE: MEP
M1825dR	PRINTER, DESKTOP, SMALL, REUSE	OFOI	POWER AND DATA REQUIRED, RE: MEP
M1825eR	PRINTER, DESKTOP, SMALL, REUSE	OFOI	POWER AND DATA REQUIRED, RE: MEP
M1825gR	PRINTER, DESKTOP, SMALL, REUSE	OFOI	POWER AND DATA REQUIRED, RE: MEP
M1825hR	PRINTER, DESKTOP, SMALL, REUSE	OFOI	POWER AND DATA REQUIRED, RE: MEP
M1825R	PRINTER, DESKTOP, SMALL, REUSE	OFOI	POWER AND DATA REQUIRED, RE: MEP
M1830	LABEL PRINTER	OFOI	POWER AND DATA REQUIRED, RE: MEP
M1830R	LABEL PRINTER, REUSE	OFOI	POWER AND DATA REQUIRED, RE: MEP
M1840	MFD PRINTER	OFOI	POWER AND DATA REQUIRED, RE: MEP
M2015	FLAMMABLE STORAGE	OFOI	
M2055	WIRE SHELVING, 48"Wx18"Dx74"H	OFOI	
M2100	OR CART	OFOI	
M2700R	HEAT SEALER, REUSE	OFOI	POWER REQUIRED, RE: MEP
M2710R	STERILE WRAP HOLDER, REUSE	OFOI	
M3070a	LINEN HAMPER	OFOI	
M3072	FRAME, INFECTIOUS WASTE BAG, W/ LID	OFOI	
M3073	BASKET, INFECTIOUS WASTE, STEP-ON	OFOI	
M3110	BLANKET WARMER	OFOI	POWER REQUIRED, RE: MEP
M3110R	BLANKET WARMER, REUSE	OFOI	POWER REQUIRED, RE: MEP
M4116	VITAL SIGNS	OFOI	POWER REQUIRED, RE: MEP
M4655	STRETCHER	OFOI	
M4655R	STRETCHER, REUSE	OFOI	
M4705	WHEELCHAIR	OFOI	
M4925	PROCEDURE TABLE	OFOI	
M5030	STOOL	OFOI	
M7010	BED, PATIENT, ELECTRIC	OFOI	POWER REQUIRED, RE: MEP
M7010R	BED, PATIENT, ELECTRIC, REUSE	OFOI	POWER REQUIRED, RE: MEP
M7040	OVERBED TABLE	OFOI	
M7300	SCRUB LOCKER	OFOI	POWER AND DATA REQUIRED, RE: MEP
M7485	OR LIGHT, DUAL HEAD	VFVI	PROVIDE IN WALL BLOCKING; POWER REQUIRED, RE:MEP
M7780R	SCANNER, DESKTOP, REUSE	OFOI	POWER AND DATA REQUIRED, RE: MEP
M7845	VITALS MONITOR, WALL MOUNTED	OFOI	PROVIDE IN WALL BLOCKING; POWER AND DATA REQUIRED, RE: MEP
M8140R	MFD PRINTER, REUSE	OFOI	POWER AND DATA REQUIRED, RE: MEP
M8560a	PATIENT CART (ROBOT)	OFOI	POWER REQUIRED, RE: MEP
M8560b	SURGEON CONSOLE	OFOI	POWER REQUIRED, RE: MEP
M8606	ENDOSCOPY CART	OFOI	
M8800	ANESTHESIA CART	OFOI	
M8810	MAYO STAND	OFOI	
M8825	MOBILE INSTRUMENT TABLE	OFOI	
M8900	PAIL, CARRIAGE	OFOI	
M8905	PAIL, UTILITY	OFOI	
M8940	STOOL, ANESTHESIA	OFOI	
M9110	OPERATING TABLE	OFOI	POWER REQUIRED, RE: MEP
P1965	EYEWASH, COUNTERTOP MOUNTED	CFCI	RE: MEP
P2000	EYEWASH, WALL MOUNTED, HANDS FREE	CFCI	POWER AND PLUMBING CONNECTION REQUIRED, RE: MEP
P6980	SCRUB SINK, SINGLE	CFCI	POWER AND PLUMBING CONNECTION REQUIRED, RE: MEP
P6980R	SCRUB SINK, SINGLE, REUSE	CFCI	POWER AND PLUMBING CONNECTION REQUIRED, RE: MEP
P6990	SCRUB SINK, DOUBLE	CFCI	POWER AND PLUMBING CONNECTION REQUIRED, RE: MEP
P8710	PLUMBING CONNECTION, UTILITY CENTER	CFCI	POWER AND PLUMBING CONNECTION REQUIRED, RE: MEP
R4400	COUNTERTOP ICE/WATER MACHINE	OFCI	POWER AND PLUMBING CONNECTION REQUIRED, RE: MEP
R4400R	COUNTERTOP ICE/WATER MACHINE, REUSE	OFCI	POWER AND PLUMBING CONNECTION REQUIRED, RE: MEP
R5135	REFR, U/C	OFOI	POWER AND PLUMBING CONNECTION REQUIRED, RE: MEP
R6050R	FREEZER, BIOLOGICAL, CHEST, REUSE	OFOI	POWER AND PLUMBING CONNECTION REQUIRED, RE: MEP
R6200	REFR, U/C	OFOI	POWER REQUIRED, RE: MEP
R6200aR	REFR, U/C, REUSE	OFOI	POWER REQUIRED, RE: MEP
R6200bR	REFR, A/C, REUSE	OFOI	POWER REQUIRED, RE: MEP
R7000R	MID SIZE REFR, REUSE	OFOI	POWER REQUIRED, RE: MEP
R7250	REFRIGERATOR/ FREEZER, 20 CU FT	OFOI	POWER REQUIRED, RE: MEP
R7250R	REFRIGERATOR/ FREEZER, 20 CU FT, REUSE	OFOI	POWER REQUIRED, RE: MEP
S0210R	STERILIZER, REUSE	VFVI	POWER REQUIRED, RE: MEP
S0920aR	WASHER / DISINFECTOR, REUSE	VFCI	
S0920b	WASHER/DISINFECTOR	VFCI	
S1900R	RACK RETURN, REUSE	OFOI	
S2627	SCOPE REPROCESSORS (PASS THRU)	OFOI	POWER AND PLUMBING CONNECTION REQUIRED, RE: MEP
S2627R	SCOPE REPROCESSORS (PASS THRU), REUSE	OFOI	POWER AND PLUMBING CONNECTION REQUIRED, RE: MEP
S2630	SCOPE DRYING CABINET	OFOI	POWER REQUIRED, RE: MEP
S2635	ULTRASONIC CLEANER	OFCI	POWER AND PLUMBING CONNECTION REQUIRED, RE: MEP
S2635R	ULTRASONIC CLEANER, REUSE	VFCI	POWER AND PLUMBING CONNECTION REQUIRED, RE: MEP
S4950	STERILIZER, LOW TEMP	OFOI	POWER REQUIRED, RE: MEP
S4950R	STERILIZER, LOW TEMP, REUSE	OFOI	POWER REQUIRED, RE: MEP
S9756	NEPTUNE DOCKING STATION	OFOI	POWER REQUIRED, RE: MEP
S9756R	NEPTUNE DOCKING STATION, REUSE	OFOI	POWER REQUIRED, RE: MEP
TB018	BACKTABLE	OFOI	
U1000R	MAILING SYSTEM, REUSE	OFOI	POWER AND DATA REQUIRED, RE: MEP
U1001	ALUMINUM SIGNAGE	CFCI	METAL 3/16" BRUSHED CLEAR ANODIZED LASER CUT SIGNAGE ON 1/2 HIDDEN POINT STANDOFF HARDWARE, RE: SPECS
U1003	WALL HUNG CHAIR	VFVI	BY JAM; PROVIDE IN WALL BLOCKING
U1004	REPTRAX STAND WITH COMPUTER AND PRINTER	OFOI	POWER AND DATA REQUIRED, RE: MEP
U1005	FURNITURE SYSTEM WALL AND TRANSACTION TOP	VFVI	BY JAM
U1006	SHELVING, BIN STORAGE, SLAT WALL	VFVI	
U1007	ENDOSCOPE FLUSHING AID	OFOI	POWER REQUIRED, RE: MEP
U1008	ENDOSCOPE MAINTENANCE UNIT	OFOI	POWER REQUIRED, RE: MEP
U1009	HOOKUP RACK	OFOI	

SAMUEL K. BECKMAN
A-2011012130
ARCHITECT
1/16/2023
Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number: #001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #00127265

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description

RELEASED FOR CONSTRUCTION
As noted on Plans Services Department
Kansas City, Missouri
01/16/2024

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

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Overland Park, KS 66210
913.663.1900
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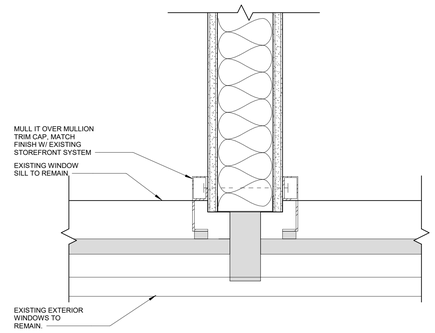

E1 MULL-IT OVER DETAIL
3" = 1'-0"

KEYNOTES - DIMENSION PLAN

NUMBER	COMMENTS
1	OFFSET WALL PARTITION AS REQUIRED TO CENTER WALL ON EXISTING MULLION. INSTALL MULLION CAP RE: DETAIL E1/211A
2	CONFIRM EXISTING WALL IS BUILT TO 2HR FIRE RATING. MODIFY WALL IF NOT RATED.
3	HALF WAY BY FURNITURE SYSTEMS

GENERAL PLAN NOTES

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FLOOR PLAN LEGEND

- NOT IN SCOPE
- CONCRETE SLAB INFILL
- NEW WALL
- EXPANSION JOINT
- DOOR No.
- NEW DOOR
- 2 NOT IN ARCHITECTURAL SCOPE
- ROOF WALKWAY PATH
- EXISTING WALL
- EXISTING EXPANSION JOINT
- EXISTING DOOR

KEY PLAN - FIRST FLOOR ASC - AREA A
1" = 100'-0"

A2 FIRST FLOOR - ASC AREA A DIMENSION PLAN
1/8" = 1'-0"

NORTH

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description
2	2-10-23	ADDENDUM #2

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

A211a

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FIRST FLOOR - DIMENSION & PARTITION PLAN - AREA A

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Lee's Summit, Missouri
01/18/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT
1/16/2023
Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
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BHC
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Overland Park, KS 66210
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MEP CONSULTANT
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Kansas City, MO 64108
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Licensee's Certificate of Authority Number: #00127265

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FLOOR PLAN LEGEND

NOT IN SCOPE	NOT IN ARCHITECTURAL SCOPE
CONCRETE SLAB INFILL	
NEW WALL	EXISTING WALL
EXPANSION JOINT	EXISTING EXPANSION JOINT
DOOR No. (101) NEW DOOR	EXISTING DOOR

A2 FIRST FLOOR - ASC AREA B DIMENSION PLAN
1/8" = 1'-0"

NORTH

KEY PLAN - FIRST FLOOR ASC - AREA B
1" = 100'-0"

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision
Number Date Description

CONSTRUCTION DOCUMENTS
A211b

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FIRST FLOOR - DIMENSION & PARTITION PLAN - AREA B

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As noted on the drawings
Building Services Department
Lee's Summit, Missouri
01/16/2024

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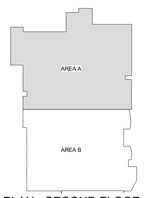
- NOT IN SCOPE
- NOT IN ARCHITECTURAL SCOPE
- CONCRETE SLAB INFILL
- NEW WALL
- EXISTING WALL
- EXPANSION JOINT
- EXISTING EXPANSION JOINT
- DOOR No. (101)
- NEW DOOR
- EXISTING DOOR

A2 SECOND FLOOR - AREA A DIMENSION PLAN
1/8" = 1'-0"

NORTH



KEY PLAN - SECOND FLOOR - AREA A
1" = 100'-0"

1/16/2023
Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number: #001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #00127265

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS

A212a

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SECOND FLOOR - DIMENSION & PARTITION PLAN - AREA A

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1/17/2023 11:48:31 AM

KEYNOTES - DIMENSION PLAN

NUMBER	COMMENTS
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- EXISTING EXPANSION JOINT
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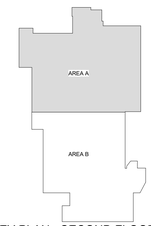

KEY PLAN - SECOND FLOOR - AREA B
1" = 100'-0"

NORTH

A2 SECOND FLOOR - AREA B DIMENSION PLAN
1/8" = 1'-0"

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As noted on this sheet
Saint Luke's Health System Facilities Services Department
Kansas City, Missouri
01/16/2024

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS

ACI/Boland, Inc.
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IMEG
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Kansas City, MO 64108
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CONSTRUCTION DOCUMENTS

Saint Luke's EAST HOSPITAL

ASC EXPANSION & RENOVATION

100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS

A212b

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SECOND FLOOR DIMENSION & PARTITION PLAN - AREA B

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2/12/2023 8:18:21 PM

RELEASED FOR CONSTRUCTION
As Noted Permit Services Department
Overland Park, Missouri
01/16/2024

KEYNOTES - DIMENSION PLAN

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12. FIN TUBES AT EXTERIOR WINDOWS RE:MEP.

FLOOR PLAN LEGEND

- NOT IN SCOPE
- CONCRETE SLAB INFILL
- NEW WALL
- EXPANSION JOINT
- DOOR No. / NEW DOOR
- 2 NOT IN ARCHITECTURAL SCOPE
- ROOF WALKWAY PATH
- EXISTING WALL
- EXISTING EXPANSION JOINT
- EXISTING DOOR

A2 THIRD FLOOR - MULTISPECIALTY DIMENSION PLAN
1/8" = 1'-0"

NORTH

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT
1/16/2023
Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
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CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

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THIRD FLOOR - DIMENSION & PARTITION PLAN

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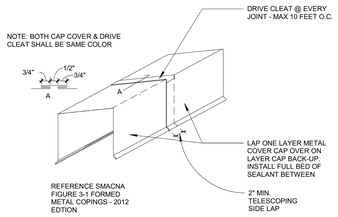
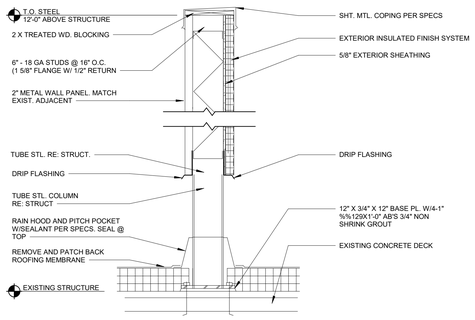
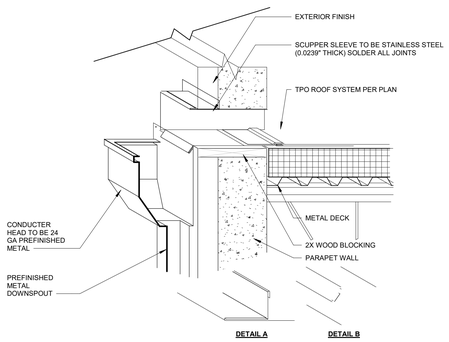


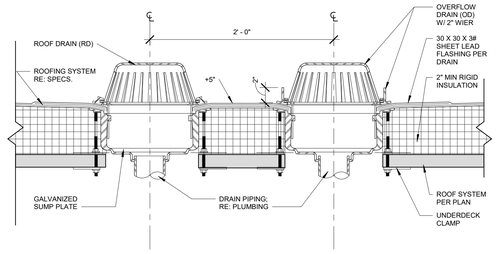
E6 COPING DRIVE CLEAT
3/4" = 1'-0"



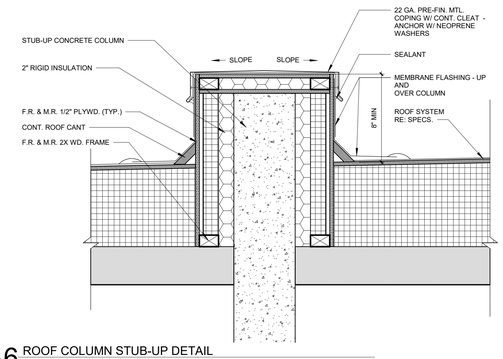
D6 ROOF SCREEN
3/4" = 1'-0"



C6 SCUPPER DETAIL
1 1/2" = 1'-0"



B6 ROOF DRAIN AND OVERFLOW DETAIL
1 1/2" = 1'-0"



A6 ROOF COLUMN STUB-UP DETAIL
1 1/2" = 1'-0"

KEYNOTES - ROOF PLAN

Number	Comments
1	UPPER ROOF AT STAIRS. 1/4"/12" SLOPE. DRAIN TO PRE-FINISHED SCUPPER AND DOWNSPOUT.
2	6" ROOF SCUPPER, REF. DETAIL C6
3	INTERNAL ROOF DRAIN WITH OVERFLOW, REF. DETAIL B6
4	INTERNAL ROOF DRAIN WITH OVERFLOW, TIE INTO EXISTING ROOF DRAINAGE SYSTEM, REF. PLUMBING, REF. A5/A2.10,TYP.
5	NEW ROOFING AND 1/4"/12" TAPERED INSULATION
6	NEW MECH ROOF SCREEN, REF. STRUCT.
7	NEW CANOPY AT 2ND FLOOR WITH INTERNAL ROOF DRAINS AND 1/4"/12" TAPERED INSULATION. OVERFLOW SCUPPERS TO ALIGN WITH ROOF DRAIN LOCATIONS
8	THROUGH ROOF COLUMN CAP, REF. DETAIL A6.
9	MODIFY EXISTING ROOF SYSTEM TO COORDINATE WITH NEW AHU INSTALLATION. REPLACE ALL DAMAGED SECTIONS OF ROOF.
10	SLOPE ROOF AROUND COLUMN. TYP.

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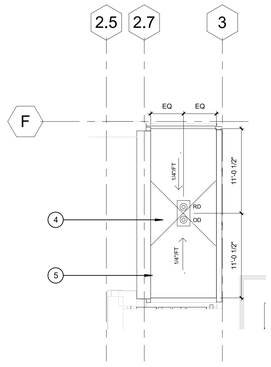
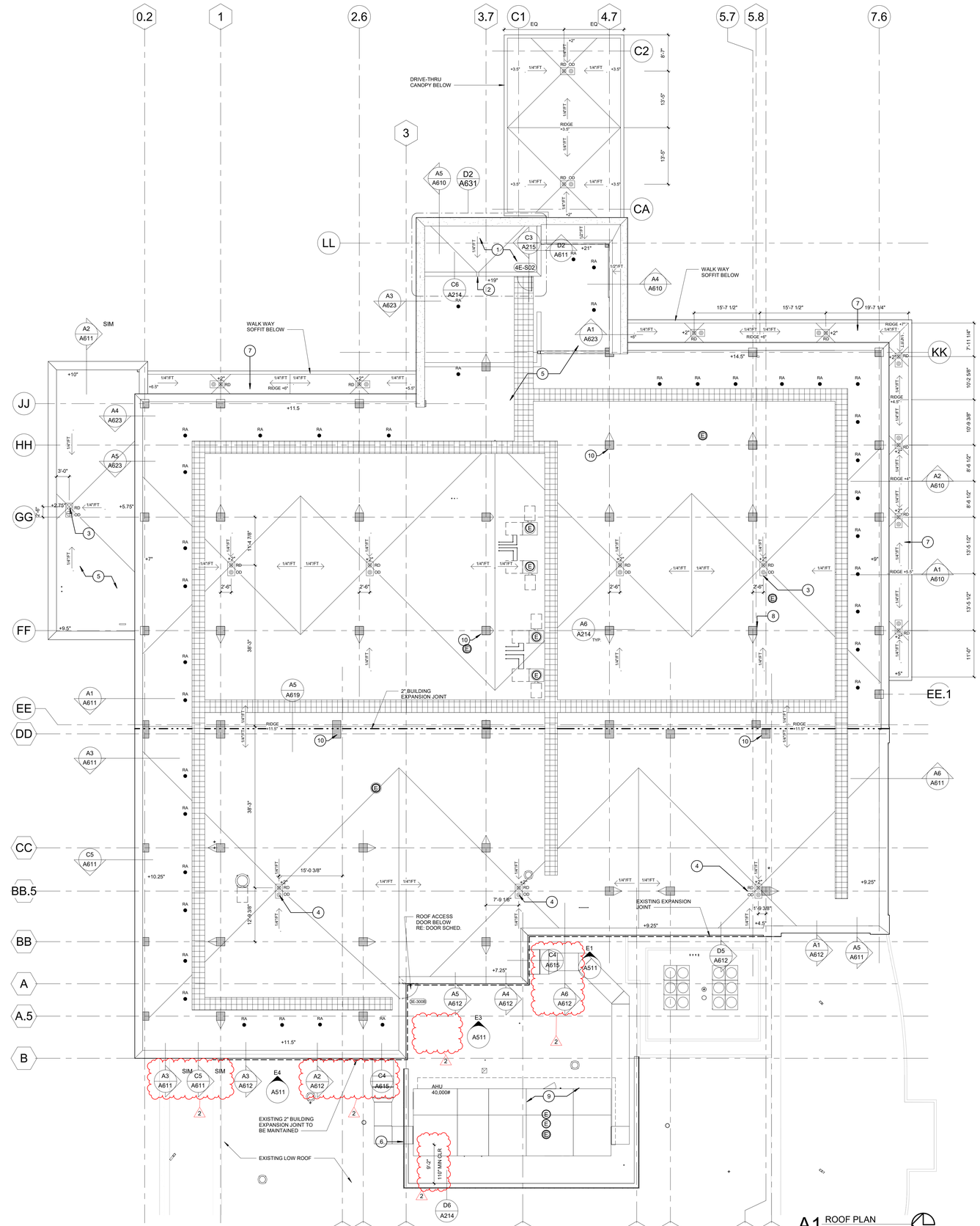
FLOOR PLAN LEGEND

	NOT IN SCOPE	2	NOT IN ARCHITECTURAL SCOPE
	CONCRETE SLAB INFILL		ROOF WALKWAY PATH
	NEW WALL		EXISTING WALL
	EXPANSION JOINT		EXISTING EXPANSION JOINT
101	DOOR No.		
	NEW DOOR		EXISTING DOOR



A5 ROOF PLAN @ NEW EGRESS STAIR
1/8" = 1'-0"



A1 ROOF PLAN
3/32" = 1'-0"

NORTH

RELEASED FOR CONSTRUCTION
As noted on this transmittal
City of Lee's Summit Development Services Department
Lee's Summit, Missouri
01/16/2024

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A-2011012130
ARCHITECT

1/16/2023

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ROOF PLAN AND DETAILS

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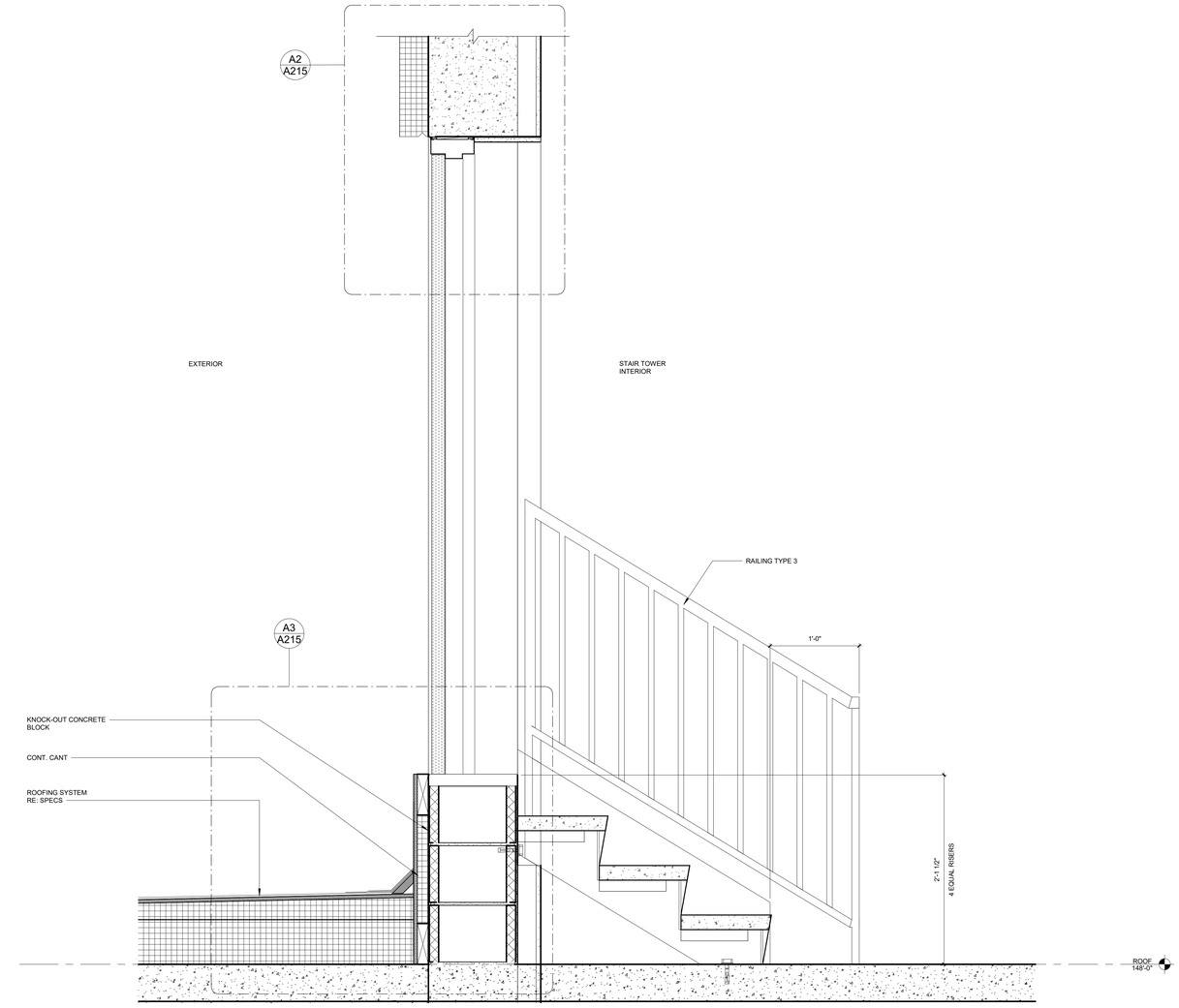
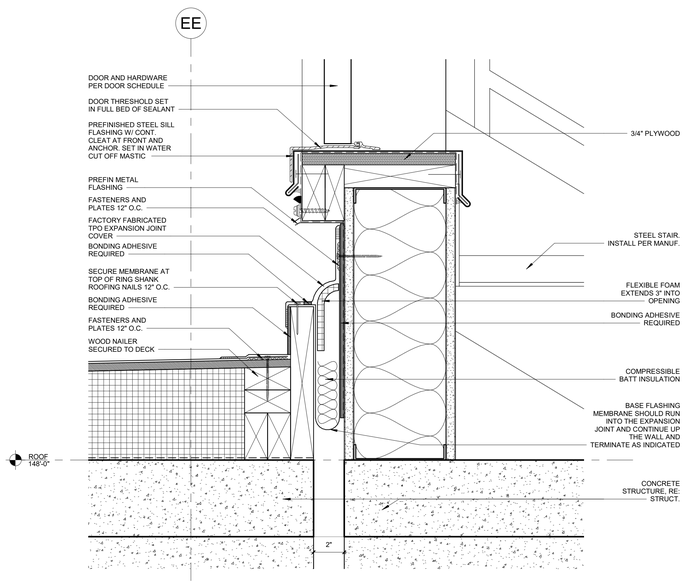
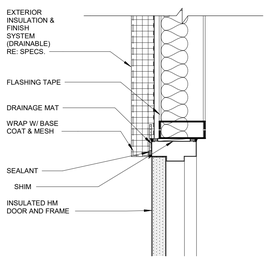


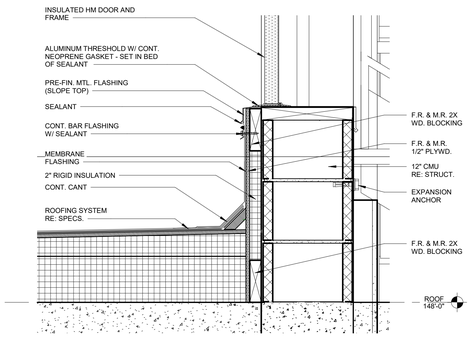
C3 STAIR TOWER SECTION @ ROOF
1 1/2" = 1'-0"



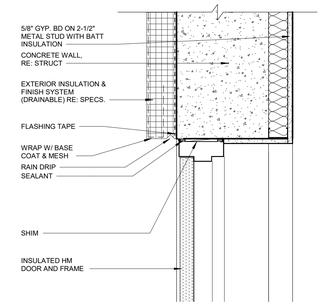
A6 SECTION - PENTHOUSE DOOR AT EXPANSION JOINT
3" = 1'-0"



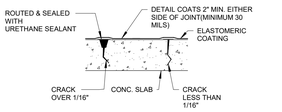
A4 PENTHOUSE STAIR SECTION - HEADER
1 1/2" = 1'-0"



A3 ENLARGED STAIR TOWER SECTION - THRESHOLD
1 1/2" = 1'-0"



A2 STAIR TOWER ROOF SECTION - HEADER
1 1/2" = 1'-0"



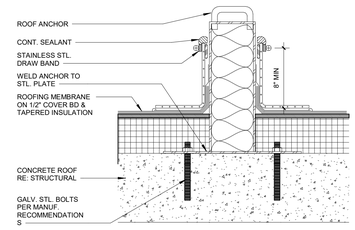
THIS DETAIL APPLIES TO GENERAL FLOOR AREA

B1 CRACK DETAIL
1" = 1'-0"

GENERAL ROOF/ WALL ANCHOR NOTES

1. TYPICAL ROOF ANCHORS SHALL BE TRACTABLE MODEL # TBA1400A U-BAR SAFETY TIE BACK ANCHOR (OR APPROVED EQUAL) WELDED TO STEEL PLATE

2. INSTALL ALL ROOF AND WALL ANCHORS PER MANUFACTURER'S RECOMMENDATIONS/SPECIFICATIONS.



A1 TYP. ROOF ANCHOR
1 1/2" = 1'-0"

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As noted on these drawings
Community Development Services Department
Lee's Summit, Missouri
01/16/2024

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

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ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
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BHC
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Overland Park, KS 66210
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CONSTRUCTION DOCUMENTS

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2 ROOF DETAILS

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Building Services Department
Lee's Summit, Missouri
01/16/2024

KEYNOTE - ANNOTATION PLAN

LETTER	COMMENT
1	CFCI SIGNAGE, RE: SPECS
2	STAIR ABOVE
3	PROVIDE PIT/SHAFT FOR FUTURE ELEVATOR.
4	REPLACE EXISTING INTERIOR FINISHES INCLUDING FLOORING, CEILING, DOORS, LIGHTS. RE:MEP, RE: FINISH SCHEDULE, FOR NEW FINISHES.
5	REPLACE EXISTING CASEWORK WITH NEW STANDARD CASEWORK.
6	INFILL WALL TO MATCH EXISTING.
7	FLOORING AND BASE IN THIS ROOM TO BE PRICED AS TWO ALTERNATES: ALTERNATE 4A FOR RSF-1 AND IB-1. AND ALTERNATE 4B FOR RES-1 AND IB-3.
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- EXISTING EXPANSION JOINT
- EXISTING DOOR

AREA A
AREA B

KEY PLAN - FIRST FLOOR ASC - AREA A
1" = 100'-0"

A2 FIRST FLOOR - ASC AREA A ANNOTATION PLAN
1/8" = 1'-0"

NORTH

Samuel K. Beckman - Architect
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1/16/2023

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CONSTRUCTION DOCUMENTS

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FIRST FLOOR - ANNOTATION PLANS - AREA A

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REMODEL/RENOVATION NOTES

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12. FIN TUBES AT EXTERIOR WINDOWS RE:MEP.

FLOOR PLAN LEGEND

- NOT IN SCOPE
- CONCRETE SLAB INFILL
- NEW WALL
- EXPANSION JOINT
- DOOR No. / NEW DOOR
- NOT IN ARCHITECTURAL SCOPE
- ROOF WALKWAY PATH
- EXISTING WALL
- EXISTING EXPANSION JOINT
- EXISTING DOOR

KEY PLAN - FIRST FLOOR ASC - AREA B
1" = 100'-0"

A2 FIRST FLOOR - ASC AREA B ANNOTATION PLAN
1/8" = 1'-0"

NORTH

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS

A221b

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FIRST FLOOR - ANNOTATION PLANS - AREA B

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2/13/2023 2:46:53 PM

RELEASED FOR CONSTRUCTION
As noted on drawings
Community Development Department
Lee's Summit, Missouri
01/16/2024

1/17/2023 1:00:12 PM

KEYNOTE - ANNOTATION PLAN

LETTER	COMMENT
1	CFCI SIGNAGE, RE: SPECS
2	STAIR ABOVE
3	PROVIDE PIT/SHAFT FOR FUTURE ELEVATOR.
4	REPLACE EXISTING INTERIOR FINISHES INCLUDING FLOORING, CEILING, DOORS, LIGHTS. RE:MEP, RE: FINISH SCHEDULE, FOR NEW FINISHES.
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6	INFILL WALL TO MATCH EXISTING.
7	FLOORING AND BASE IN THIS ROOM TO BE PRICED AS TWO ALTERNATES: ALTERNATE 4A FOR RSF-1 AND IB-1. AND ALTERNATE 4B FOR RES-1 AND IB-3.
8	INTEGRATE CARD READER INTO EXISTING ELEVATOR SYSTEM. COORD. WITH VENDOR AND MEP.
9	INTEGRATE CARD READER INTO NEW ELEVATOR SYSTEM, COORD. WITH VENDOR AND MEP.
10	AUDIO BOOTH BASED ON ENT ETS LINDGREN RE-241. FINAL SIZE TO BE COORDINATED WITH VENDOR DRAWINGS.
11	INTEGRATE CARD READER INTO EXISTING STOREFRONT SYSTEM, COORD. WITH MEP.
12	FINAL ROOM LAYOUT PENDING VENDOR SHOP DRAWINGS.
13	EXISTING FINISHES TO REMAIN. PATCH TO MATCH AS NEEDED.
14	SHADE LOUVER STRUCTURE OUTRIGGERS BY OTHERS.

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FLOOR PLAN LEGEND

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

AREA A
AREA B
OPEN TO BELOW
EXISTING EXPANSION JOINT

A2 SECOND FLOOR - ROCKHILL AREA A ANNOTATION PLAN
1/8" = 1'-0"

NORTH

AREA A
AREA B

KEY PLAN - FIRST FLOOR ASC - AREA A
1" = 100'-0"

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number: #001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #00127265

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS

A222a

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SECOND FLOOR - ANNOTATION PLANS - AREA A

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RELEASED FOR CONSTRUCTION
As noted on this sheet
Building Services Department
Kansas City, Missouri
01/16/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
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#000396

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Licensee's Certificate of Authority Number:
#00127265

KEYNOTE - ANNOTATION PLAN

LETTER	COMMENT
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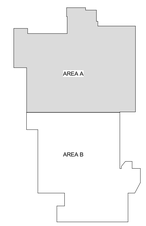
- EXPANSION JOINT
- EXISTING EXPANSION JOINT
- DOOR No. (101)
- NEW DOOR
- EXISTING DOOR



KEY PLAN - SECOND FLOOR - AREA B
1" = 100'-0"

A2 SECOND FLOOR - AREA B ANNOTATION PLAN
1/8" = 1'-0"

NORTH

Saint Luke's
EAST HOSPITAL

ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS

A222b

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SECOND FLOOR - ANNOTATION PLANS - AREA B

1/17/2023 1:00:27 PM
BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/3-21037_ASC Expansion & Renovation.rvt

RELEASED FOR CONSTRUCTION
As noted on this sheet
Building Services Department
City of Wentzville, Missouri
10/16/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT
1/16/2023
Samuel K. Beckman - Architect
License - Missouri #A-2011012130

KEYNOTE - ANNOTATION PLAN

LETTER	COMMENT
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FLOOR PLAN LEGEND

- NOT IN SCOPE
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- NEW WALL
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- DOOR No. / NEW DOOR
- 2 NOT IN ARCHITECTURAL SCOPE
- ROOF WALKWAY PATH
- EXISTING WALL
- EXISTING EXPANSION JOINT
- EXISTING DOOR

LOCATE NEW ROOFTOP AHU ON EXISTING SECOND FLOOR ROOF. REFER TO MECHANICAL AND STRUCTURAL

A2 THIRD FLOOR - MULTISPECIALTY ANNOTATION PLAN
1/8" = 1'-0"

NORTH

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
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MEP CONSULTANT
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CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description
2	2-10-23	ADDENDUM #2

CONSTRUCTION DOCUMENTS

A223

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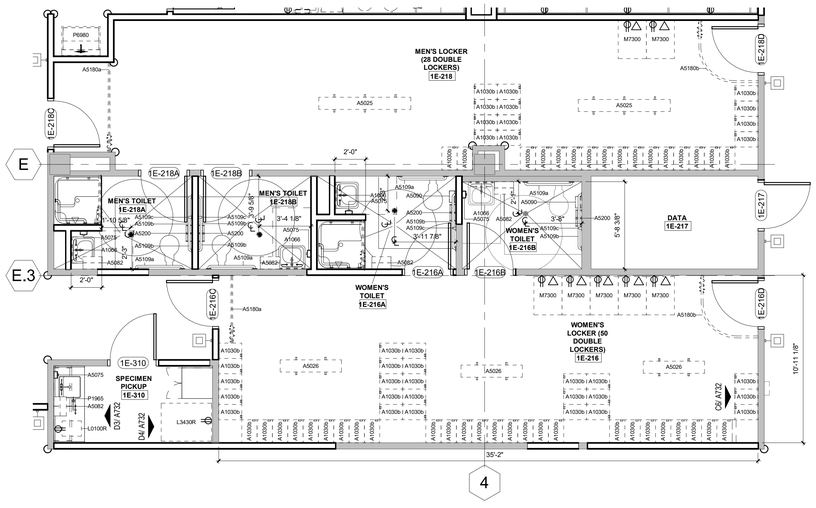
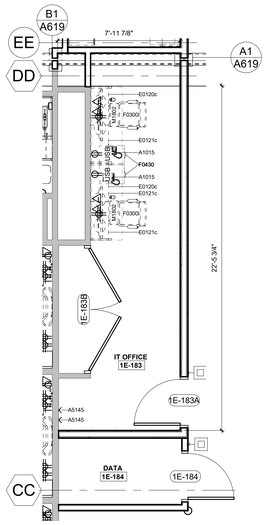
THIRD FLOOR - ANNOTATION PLAN

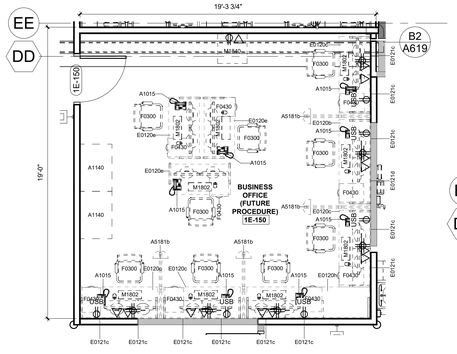
2/12/2023 8:45:21 PM
BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/3-21037_ASC Expansion & Renovation.rvt



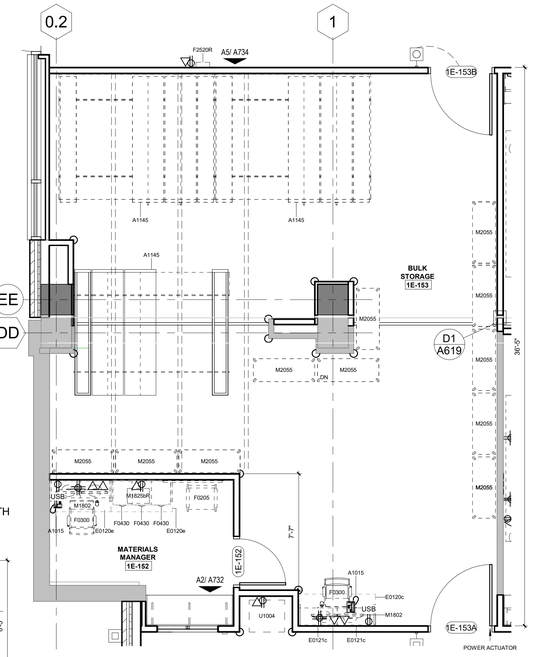
E6 ASC - LOCKER ROOMS
1/4" = 1'-0"



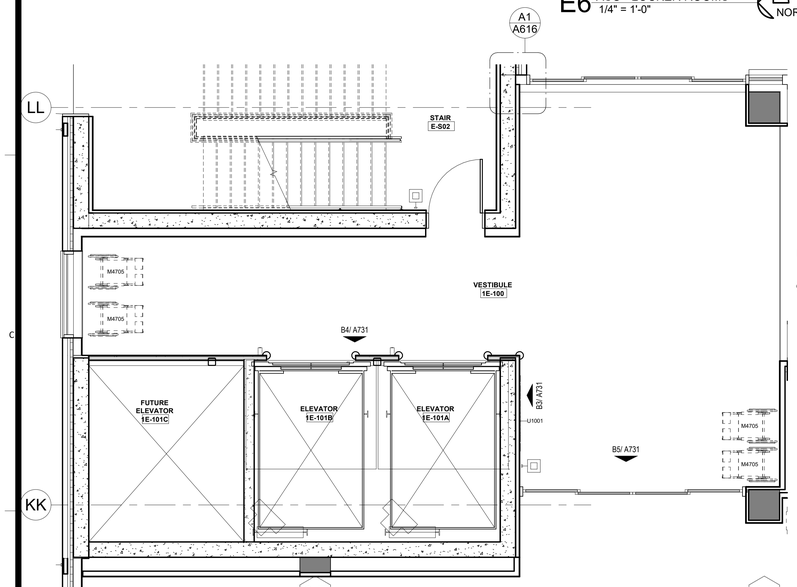
E4 ASC IT OFFICE
1/4" = 1'-0"

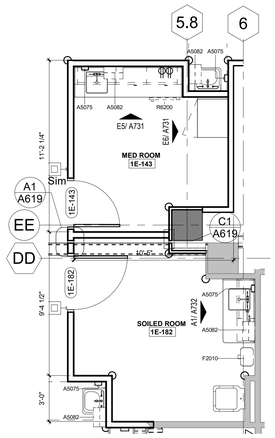


E3 ASC - BUSINESS OFFICE (FUTURE PROCEDURE)
1/4" = 1'-0"



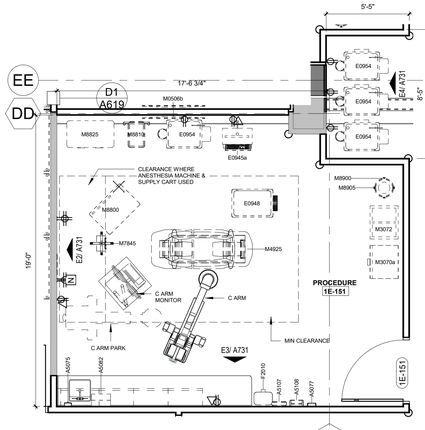
D1 ASC - BULK STORAGE - 1E-153
1/4" = 1'-0"



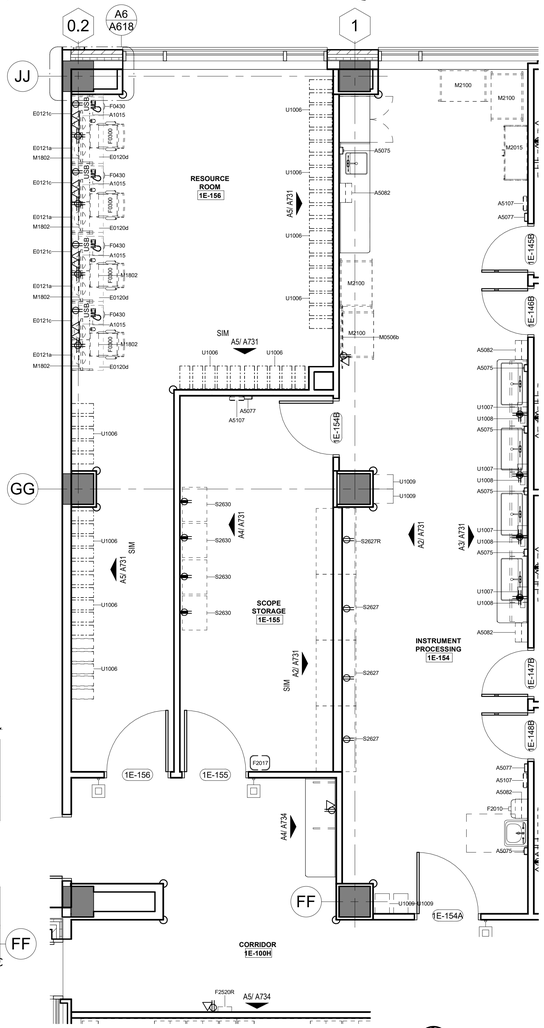


C5 ASC - MED ROOM - 1E-143
1/4" = 1'-0"

C4 ASC - GI COORD. OFFICE - 1E-144
1/4" = 1'-0"

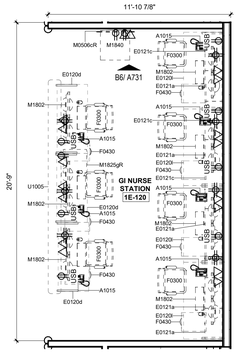


C3 ASC - TYP PROCEDURE
1/4" = 1'-0"

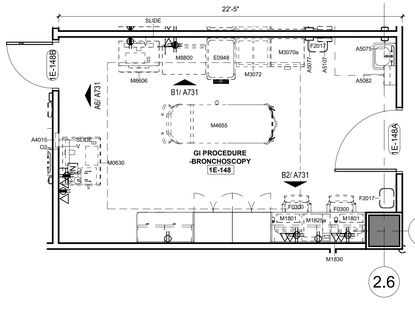


C2 ASC - TYP GI PROCEDURE
1/4" = 1'-0"

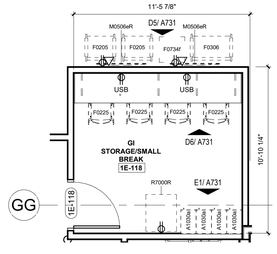
A5 ASC - RECEPTION
1/4" = 1'-0"



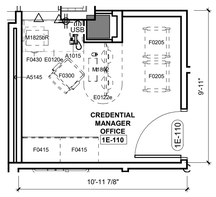
A4 GI NURSE STATION - 1E-120
1/4" = 1'-0"



A3 ASC - TYPICAL GI PROCEDURE
1/4" = 1'-0"



B4 ASC - GI STORAGE/SMALL BREAK
1/4" = 1'-0"



B3 ASC - CREDENTIAL MANAGER OFFICE
1/4" = 1'-0"

A1 ASC - GI INSTRUMENT PROCESSING AREA
1/4" = 1'-0"

RELEASED FOR CONSTRUCTION
As noted on Building Permit
Building Services Department
Independence, Missouri
01/16/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT
1/16/2023
Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
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Missouri: #000958

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Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#00127265

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description
2	2-10-23	ADDENDUM #2

CONSTRUCTION DOCUMENTS

A224

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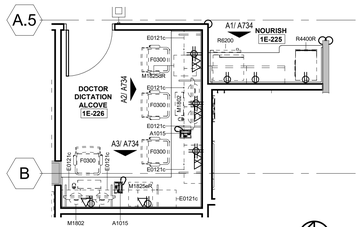
ENLARGED FLOOR PLANS

2/12/2023 8:19:25 PM



E5 ASC OR NOURISH & DOCTOR DICTATION
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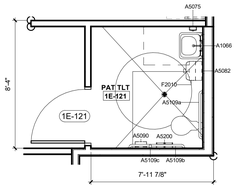
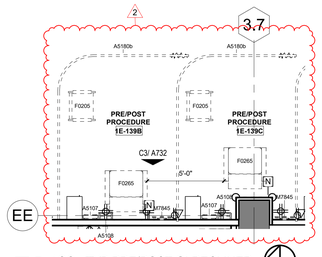
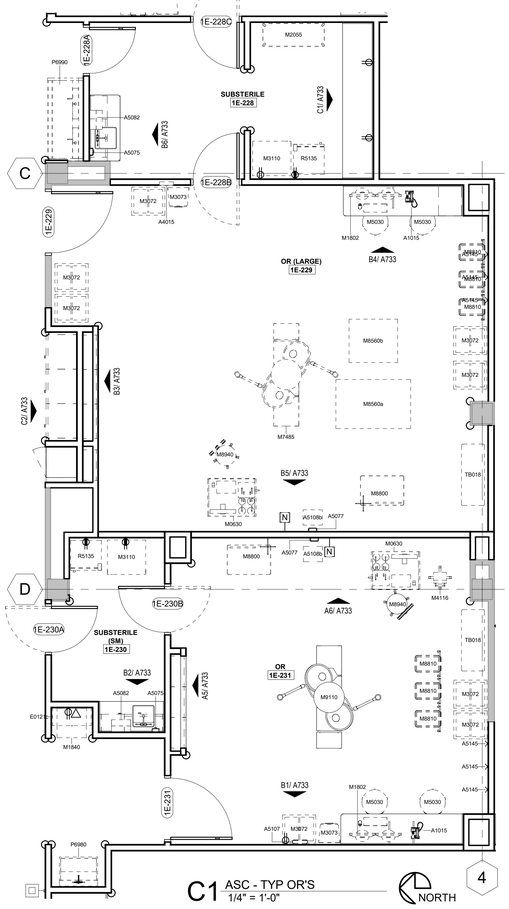


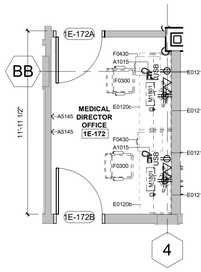
E3 ASC TOIL ET
1/4" = 1'-0"



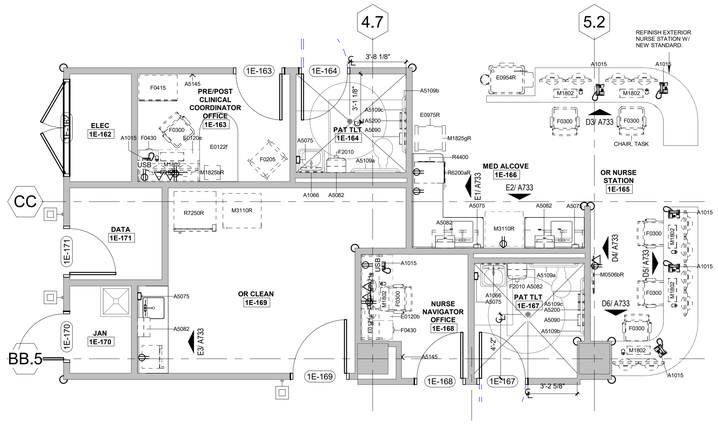
E2 ASC - TYP PRE/POST GI RECLINER
1/4" = 1'-0"



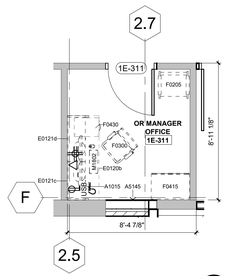
C1 ASC - TYP OR'S
1/4" = 1'-0"



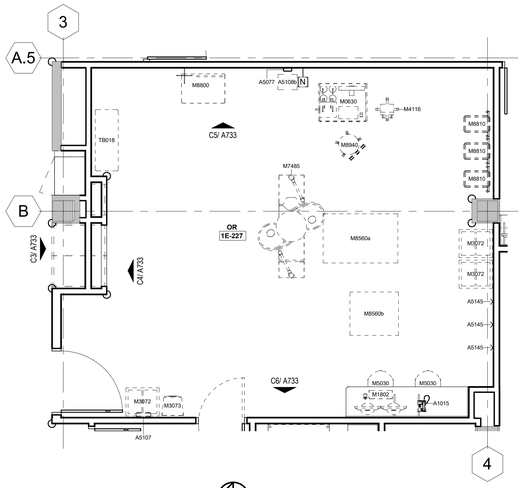
C6 ASC MED. DIRECT. OFFICE
1/4" = 1'-0"



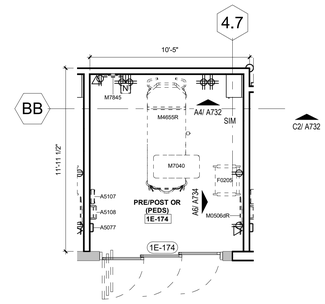
C5 ASC - EXISTING STAFF AREAS
1/4" = 1'-0"



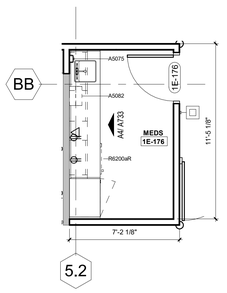
C3 ASC - OR MANAGER OFFICE
1/4" = 1'-0"



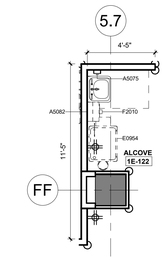
C2 ASC - OR 1E-227
1/4" = 1'-0"



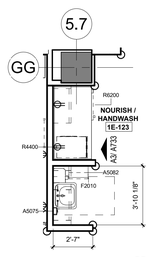
B6 ASC - TYP PRE/POST PEDIATRIC
1/4" = 1'-0"



B5 ASC - MED ROM 1E-176
1/4" = 1'-0"



B4 ASC - STORAGE ALCOVE 1
1/4" = 1'-0"



B3 ASC - NOURISH/HANDWASH
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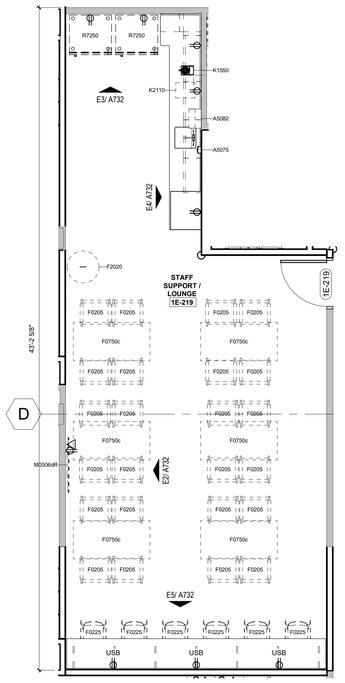
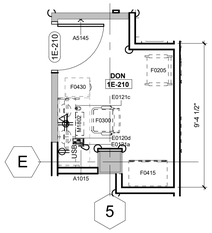
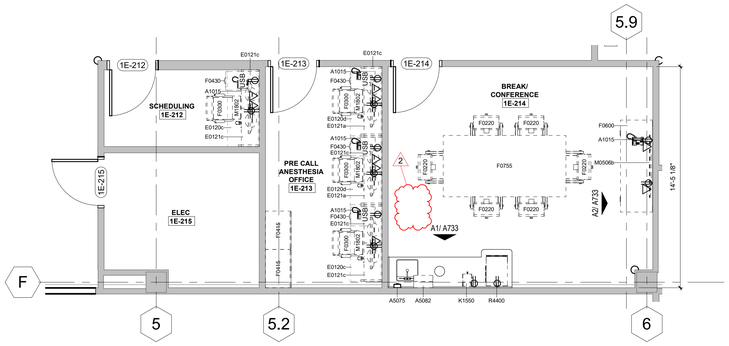


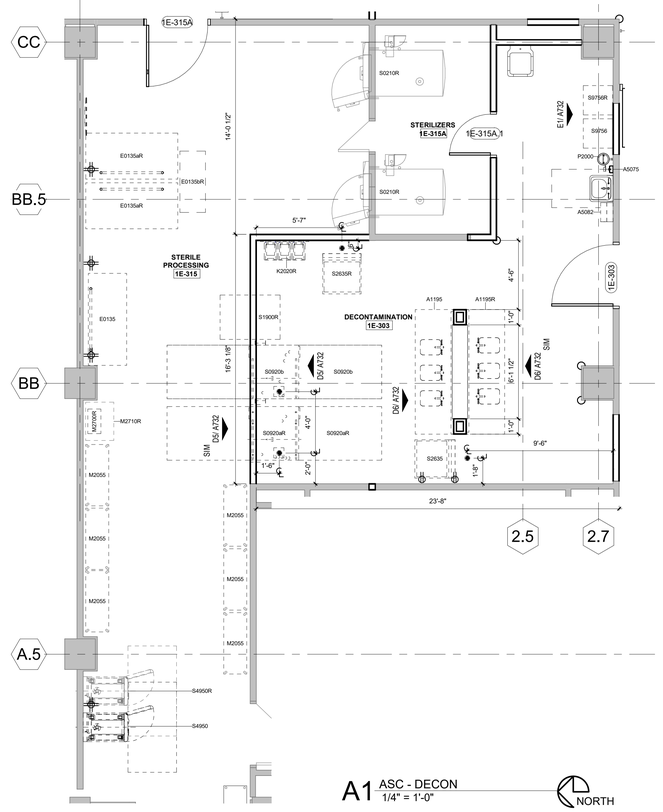
A2 ASC - STAFF LOUNGE
1/4" = 1'-0"



A6 ASC - DON - 1E-210
1/4" = 1'-0"



A5 ASC - BREAK/CONFERENCE
1/4" = 1'-0"



A1 ASC - DECON
1/4" = 1'-0"

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/3-21037_ASC Expansion & Renovation.rvt

RELEASED FOR CONSTRUCTION
As noted on this sheet
Kansas City Services Department
Kansas City, Missouri
01/16/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

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Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
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Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #00127265

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description
2	2-10-23	ADDENDUM #2

CONSTRUCTION DOCUMENTS

A225

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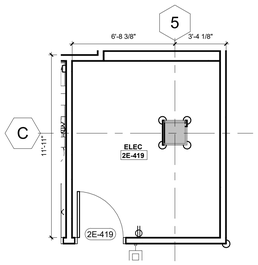
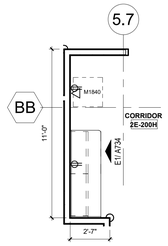
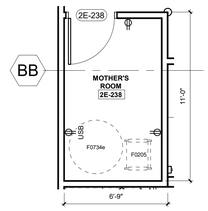
ENLARGED FLOOR PLANS



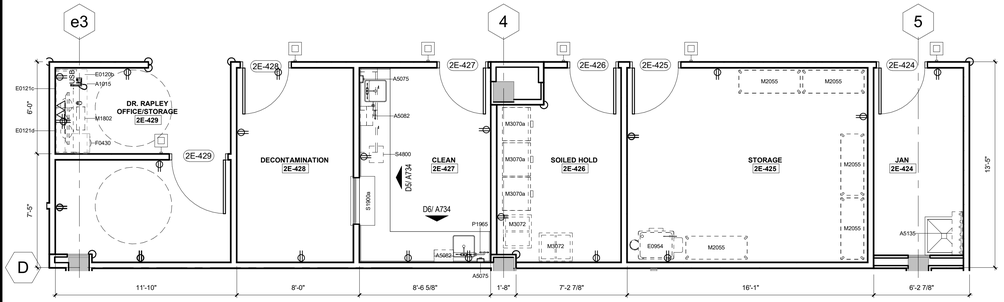
E6 ROCKHILL - ELECTRICAL
1/4" = 1'-0"
NORTH



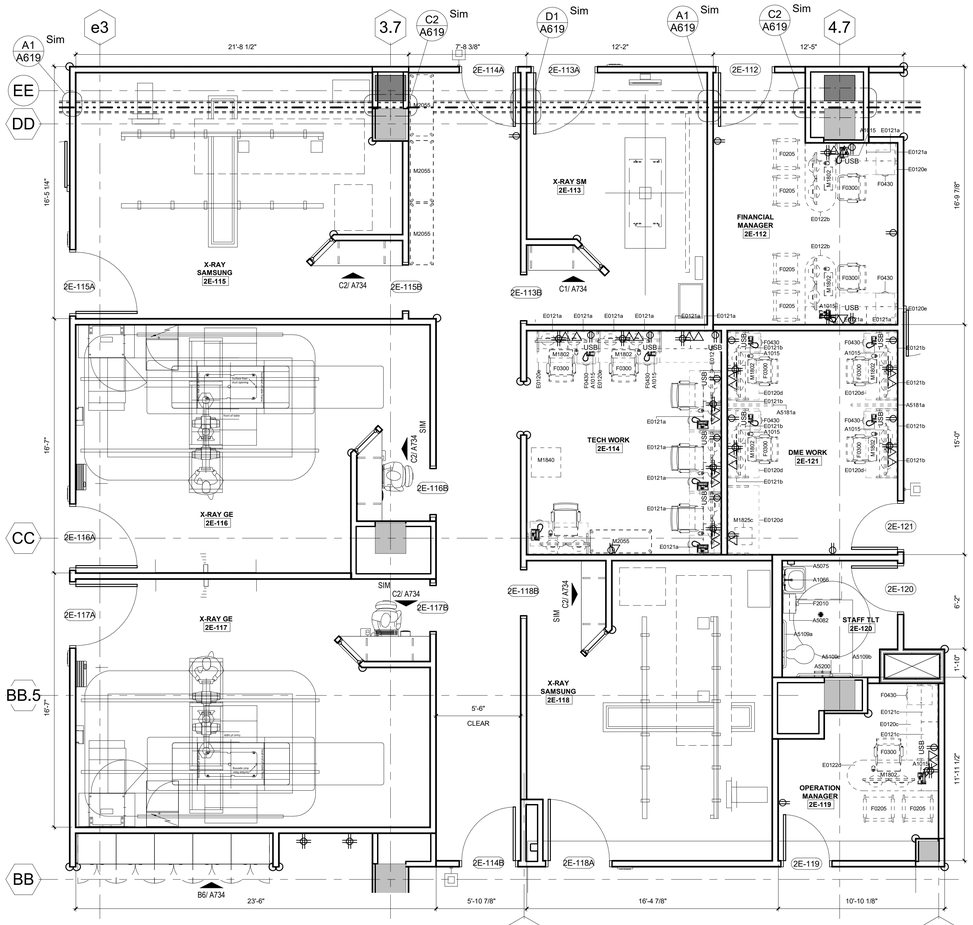
E3 ROCKHILL - ADMIN WORK AREA
1/4" = 1'-0"
NORTH



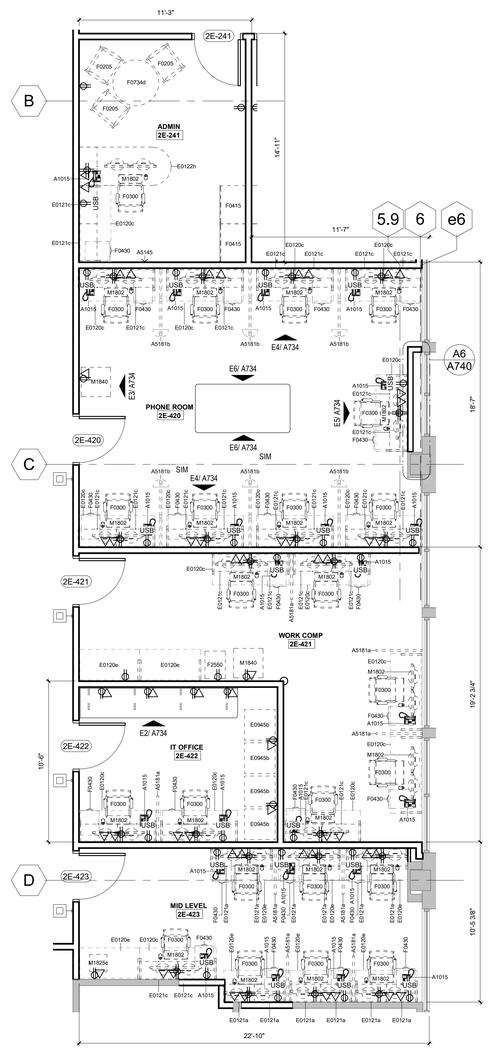
E4 ROCKHILL - MOTHER'S ROOM
1/4" = 1'-0"
NORTH



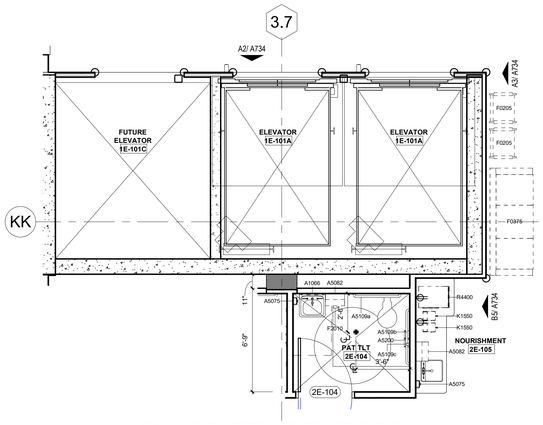
D6 ROCKHILL - SUPPORT
1/4" = 1'-0"
NORTH



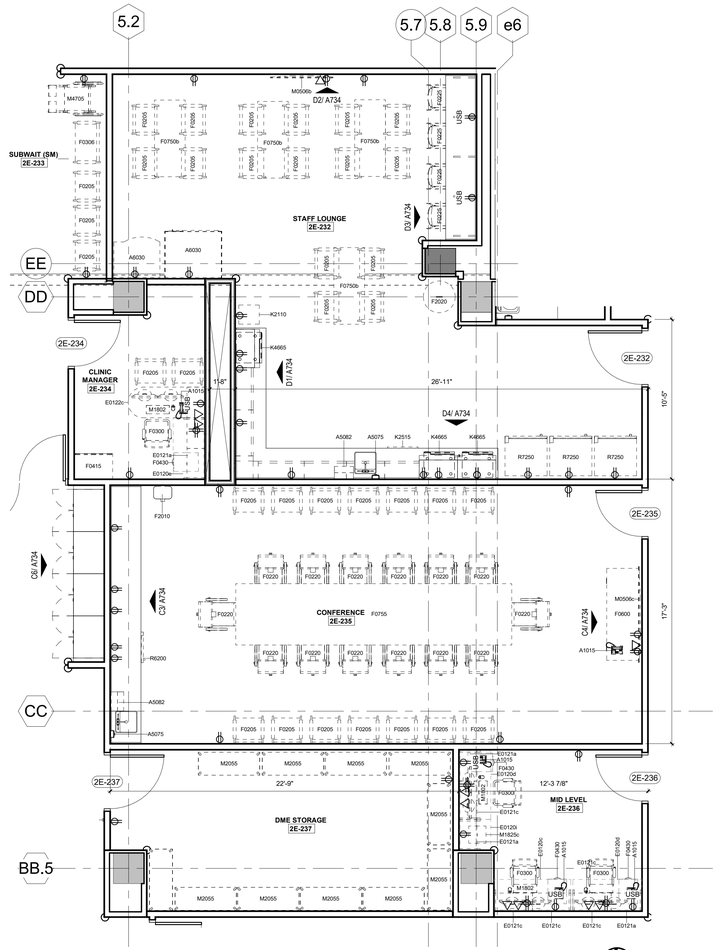
A6 ROCKHILL - TECH WORK AND X-RAYS
1/4" = 1'-0"
NORTH



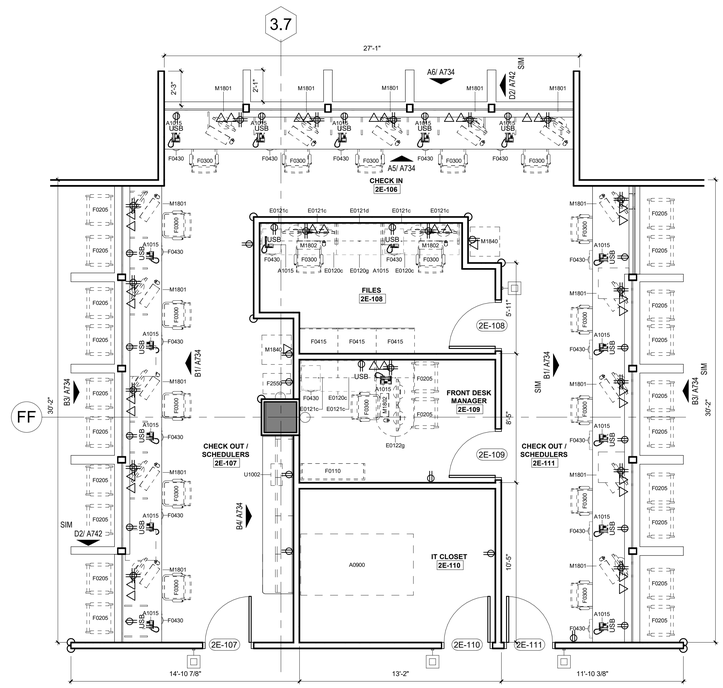
B3 ROCKHILL - STAFF WORK AREA/TYP ADMIN OFFICE
1/4" = 1'-0"
NORTH



A3 ROCKHILL - ELEVATORS / NOURISHMENT / TYP TOILET
1/4" = 1'-0"
NORTH



C1 ROCKHILL - STAFF AREA
1/4" = 1'-0"
NORTH



A1 ROCKHILL - RECEPTION AREA
1/4" = 1'-0"
NORTH

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/3-21037_ASC Expansion & Renovation.rvt

RELEASED FOR CONSTRUCTION
As noted on this sheet
City of Lee's Summit Permit Services Department
Lee's Summit, Missouri
01/16/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

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CONSTRUCTION DOCUMENTS

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EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS

A226

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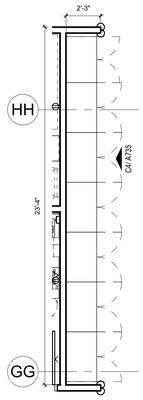
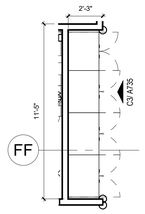
ENLARGED FLOOR PLANS



D6 ROCKHILL - STORAGE ALCOVE 9
1/4" = 1'-0"
NORTH



D5 ROCKHILL - STORAGE ALCOVE 8
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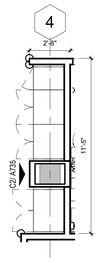
NORTH



D4 ROCKHILL - STORAGE ALCOVE 7
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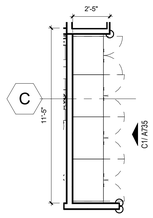
NORTH



D3 ROCKHILL - STORAGE ALCOVE 6
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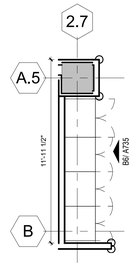
NORTH



D2 ROCKHILL - STORAGE ALCOVE 5
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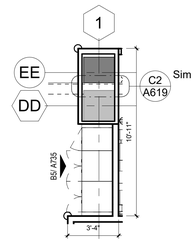
NORTH



D1 ROCKHILL - STORAGE ALCOVE 4
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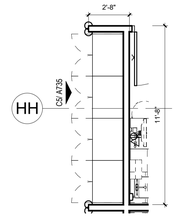
NORTH



E1 ROCKHILL - STORAGE ALCOVE 10
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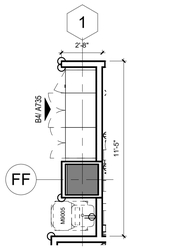
NORTH



C6 ROCKHILL - STORAGE ALCOVE 3
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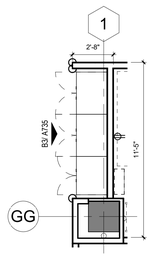
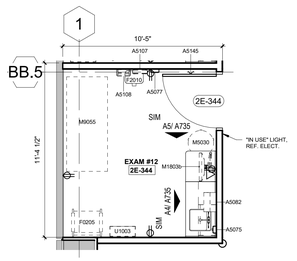
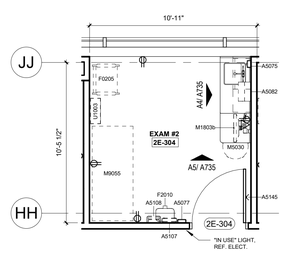
NORTH



C5 ROCKHILL - STORAGE ALCOVE 2
1/4" = 1'-0"
NORTH



C4 ROCKHILL - TYP EXAM 2
1/4" = 1'-0"
NORTH



C3 ROCKHILL - TYP EXAM 1
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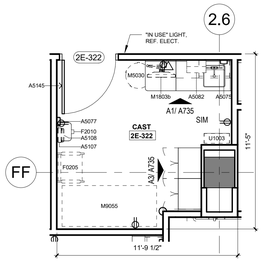
NORTH



C2 ROCKHILL - TYP CAST 2
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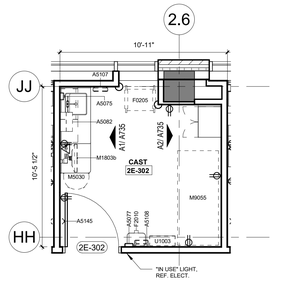
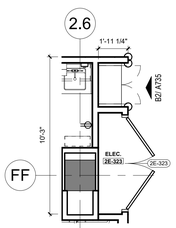
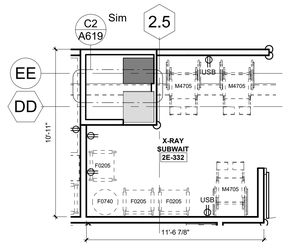
NORTH



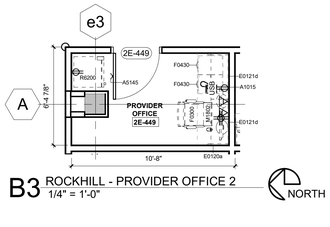
C1 ROCKHILL - TYP CAST ROOM 1
1/4" = 1'-0"
NORTH



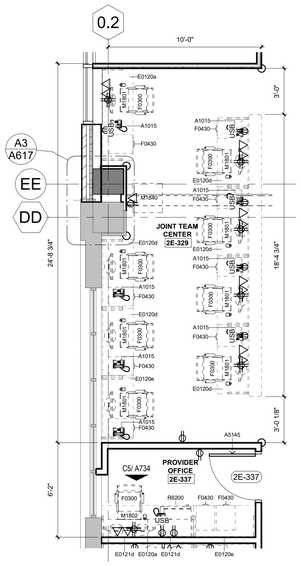
B6 ROCKHILL - ELECTRICAL STORAGE
1/4" = 1'-0"
NORTH



B5 ROCKHILL - SUB-WAIT (LG)
1/4" = 1'-0"
NORTH



B3 ROCKHILL - PROVIDER OFFICE 2
1/4" = 1'-0"
NORTH



A2 ROCKHILL - JOINT TEAM CENTER / TYP PROVIDER OFFICE 1
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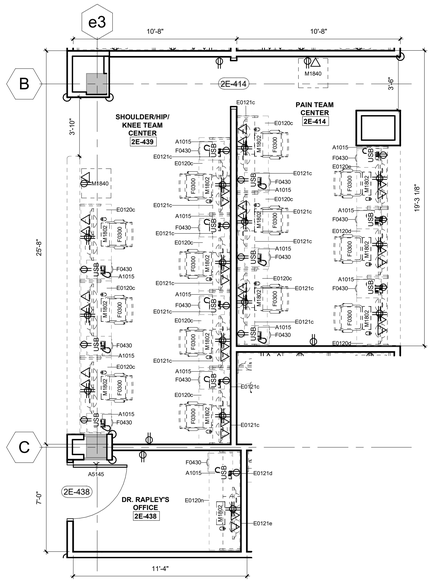
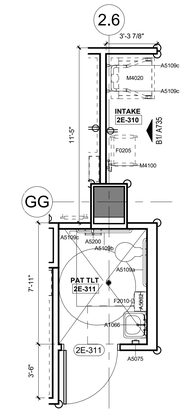
NORTH



A1 ROCKHILL - SHOULDER/HIP/KNEE/PAIN TEAM CENTERS / DR. RAPLEY PRIVATE OFFICE
1/4" = 1'-0"
NORTH



A6 ROCKHILL - TYP TOILET 2
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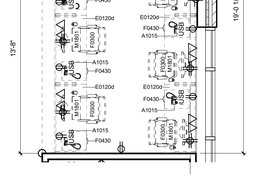
NORTH



A5 ROCKHILL - GENERAL SPINE/ORTHO TEAM CENTER
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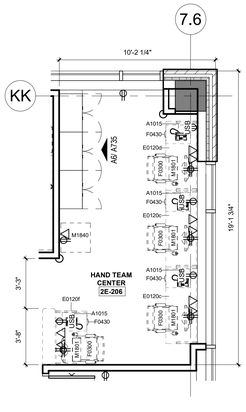
NORTH



A4 ROCKHILL - HAND TEAM CENTER
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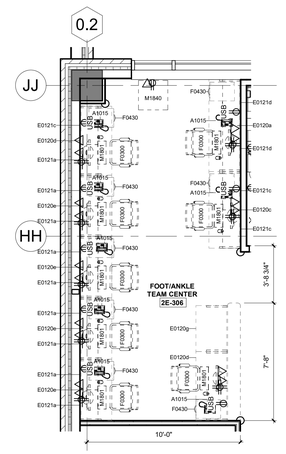
NORTH



A3 ROCKHILL - FOOT/ANKLE TEAM CENTER
1/4" = 1'-0"
NORTH

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RELEASED FOR CONSTRUCTION
As noted on the drawings
City of Maryland Heights Community Development Services Department
Maryland Heights, Missouri
10/18/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number:
#001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#00127265

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS

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ENLARGED FLOOR PLANS

RELEASED FOR CONSTRUCTION
As noted on this sheet
Kansas City Services Department
Jackson County, Missouri
01/16/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT
1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS

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1710 Wyandotte
Kansas City, MO 64108
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1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
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CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

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Job Number	3-21037
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Checked By	Checker

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS

A228

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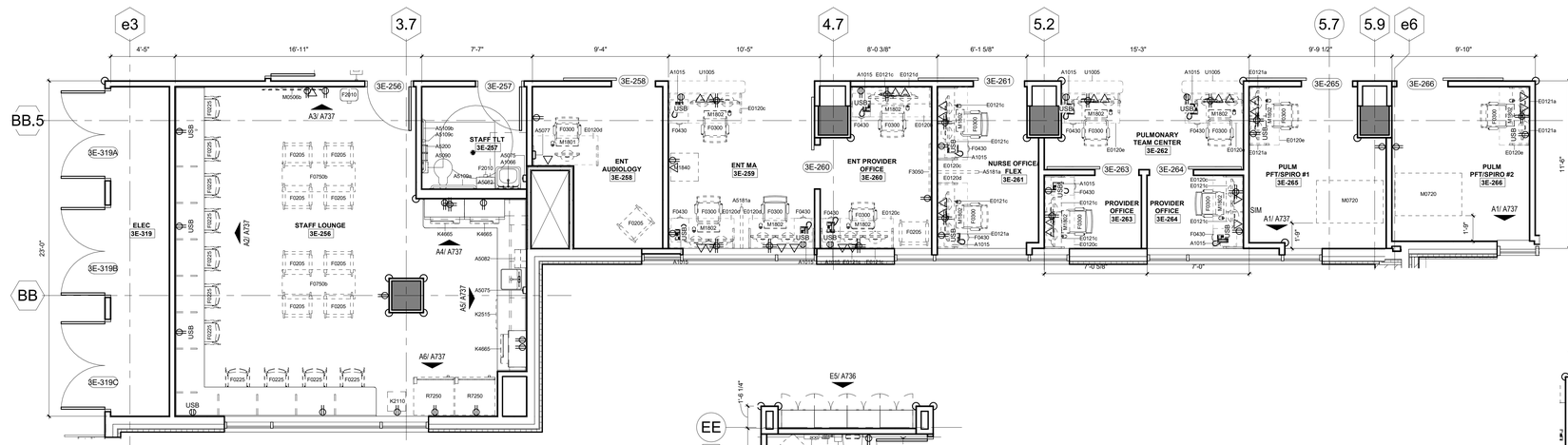
ENLARGED FLOOR PLANS



E6 SPECIALTY ENT AND PULMONARY STAFF AREAS/PATIENT SERVICES AND STAFF LOUNGE
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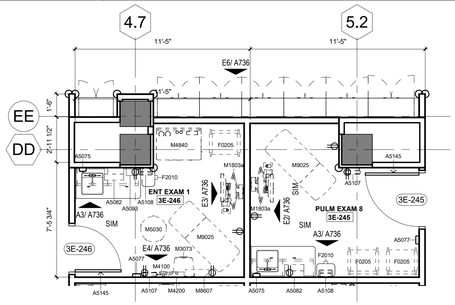

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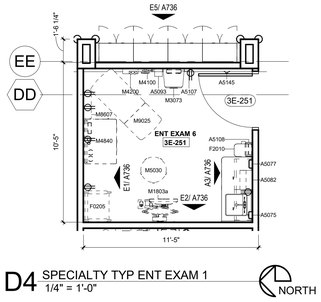

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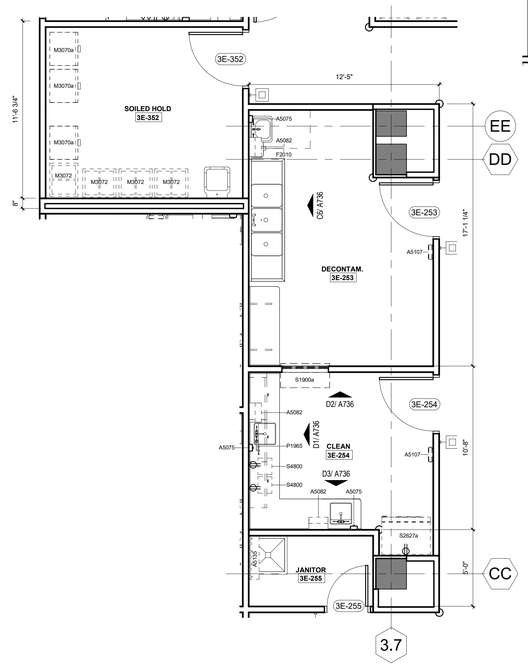

C3 SPECIALTY SOILED/CLEAN
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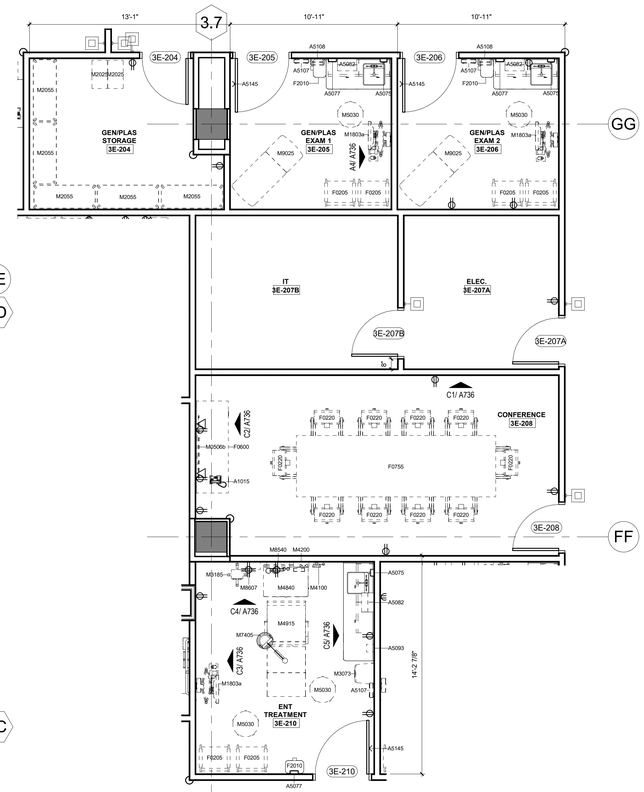

C2 SPECIALTY CONFERENCE/ IT/ GEN-PLASTICS SUPPORT / TYP ENT TREATMENT
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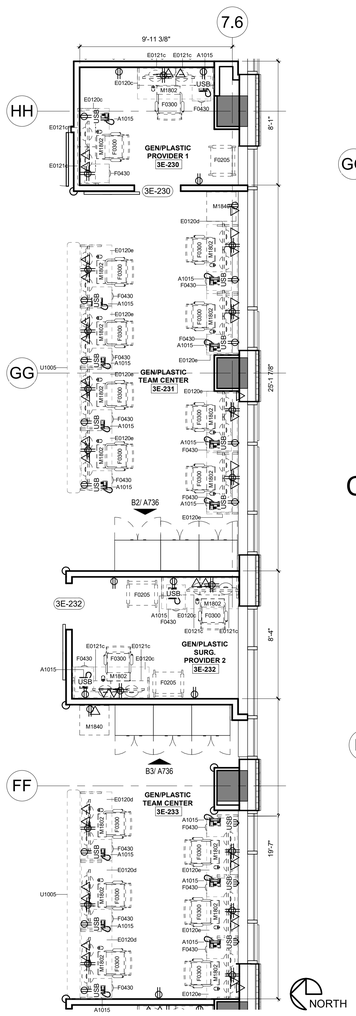
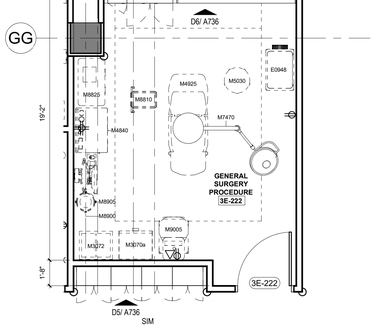
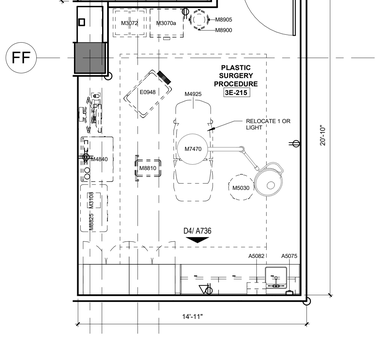


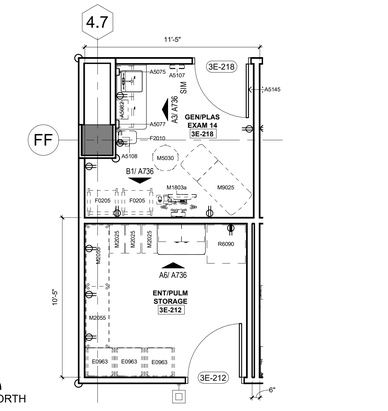
A6 SPECIALTY GEN/PLASTICS TEAM CENTER AND TYP PROVIDER OFFICE
1/4" = 1'-0"



C5 SPECIALTY PROCEDURE 2
1/4" = 1'-0"



C4 SPECIALTY PROCEDURE 1
1/4" = 1'-0"



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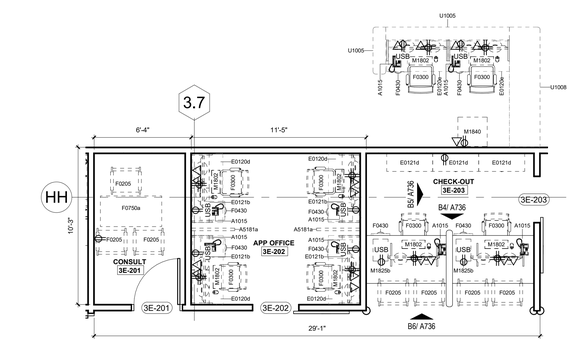

A4 SPECIALTY CONSULT, APP OFFICE, CHECK-OUT/ CHECK -IN
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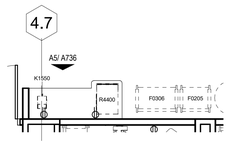
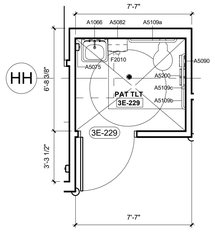


B3 THIRD FLOOR NOURISHMENT STATION/MOBILE CHECK IN
1/4" = 1'-0"



A3 SPECIALTY TYP TOILET
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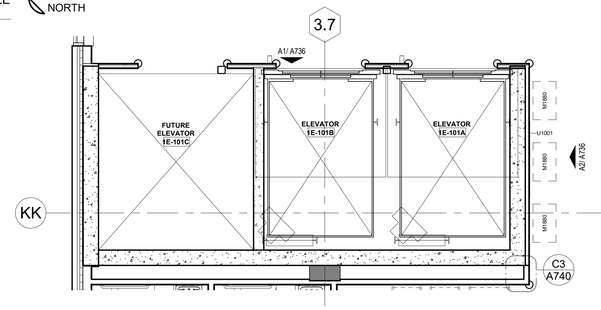

A2 THIRD FLOOR ELEVATORS AND KIOSKS
1/4" = 1'-0"

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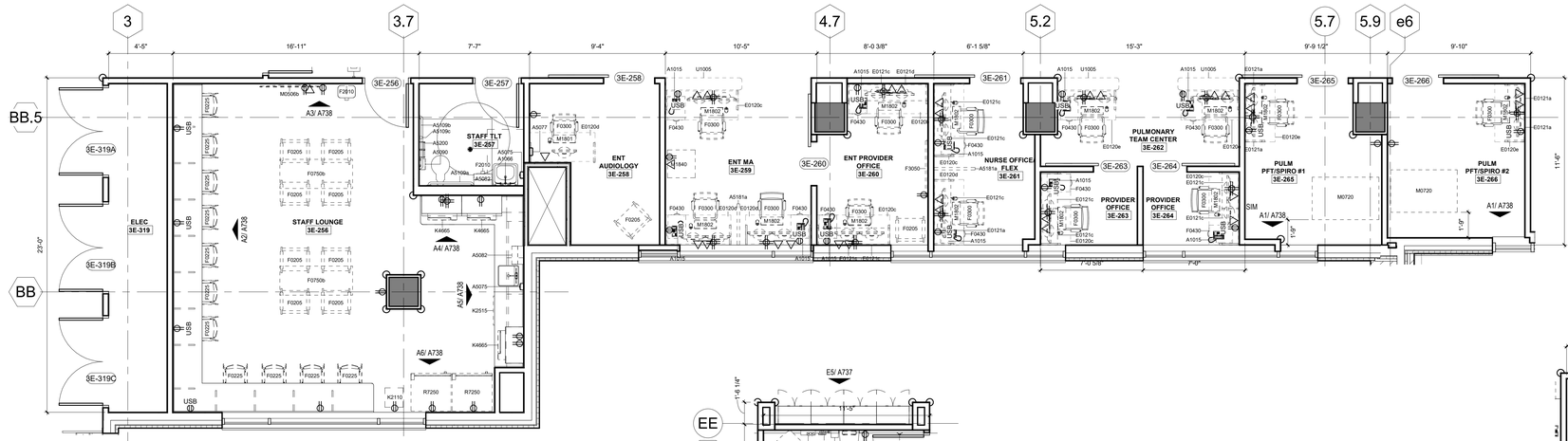
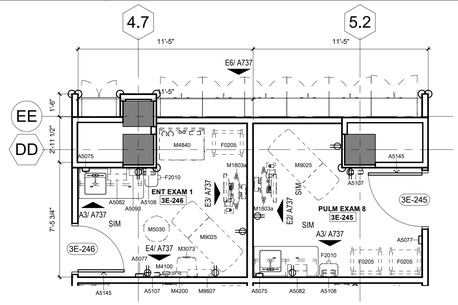
2/12/2023 8:19:38 PM



E6 SPECIALTY ENT AND PULMONARY STAFF AREAS/PATIENT SERVICES AND STAFF LOUNGE
1/4" = 1'-0"



E2 SPECIALTY TYP ENT EXAM 2 / TYP PULM EXAM 2
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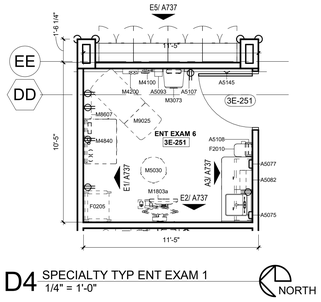

D4 SPECIALTY TYP ENT EXAM 1
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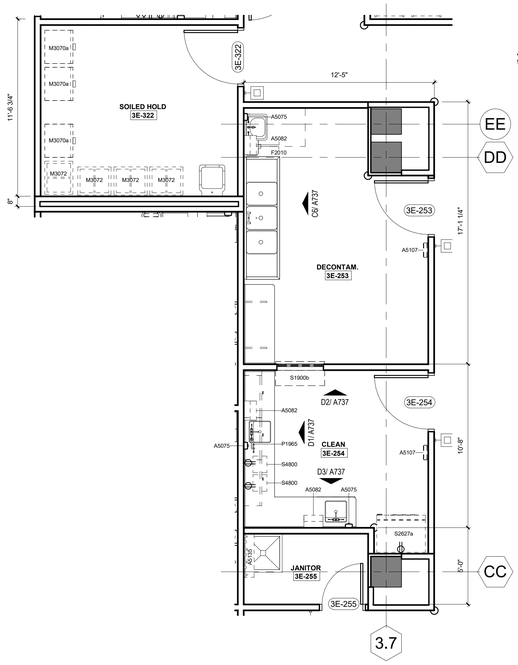
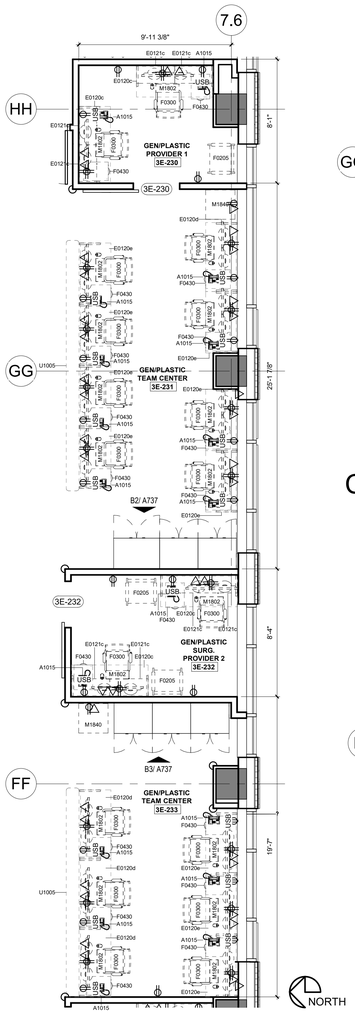
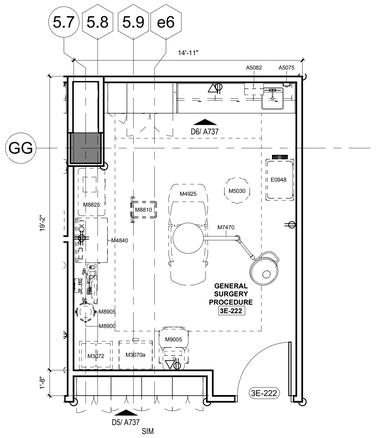


C3 SPECIALTY SOILED/CLEAN
1/4" = 1'-0"

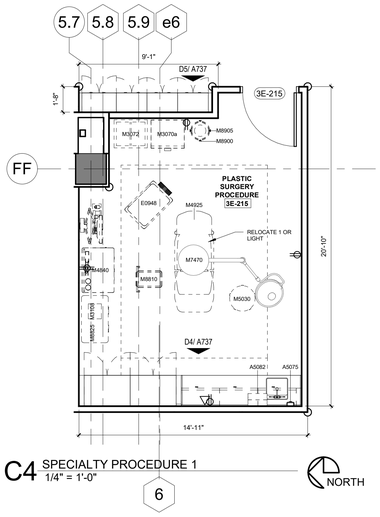
C2 SPECIALTY CONFERENCE/ IT/ GEN-PLASTICS SUPPORT / TYP ENT TREATMENT
1/4" = 1'-0"



A6 SPECIALTY GEN/PLASTICS TEAM CENTER AND TYP PROVIDER OFFICE
1/4" = 1'-0"



C5 SPECIALTY PROCEDURE 2
1/4" = 1'-0"



C4 SPECIALTY PROCEDURE 1
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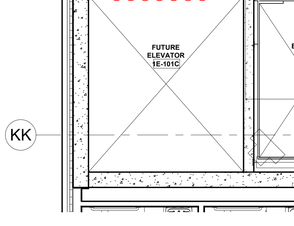
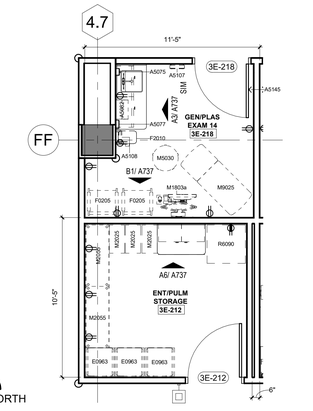
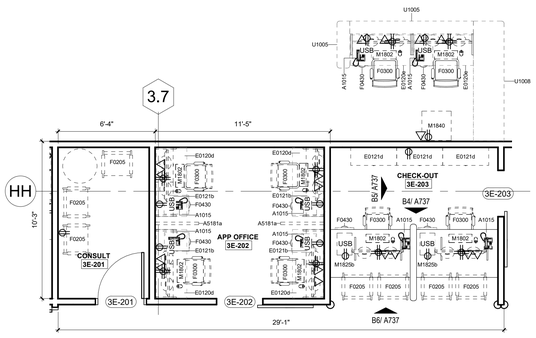


A3 SPECIALTY TYP TOILET
1/4" = 1'-0"

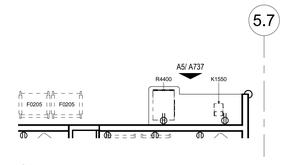
A2 THIRD FLOOR ELEVATORS AND KIOSKS
1/4" = 1'-0"



A5 SPECIALTY ENT/ PULM STORAGE AND TYP GEN/PLASTIC EXAM 2
1/4" = 1'-0"



A4 SPECIALTY CONSULT, APP OFFICE, CHECK-OUT/ CHECK -IN
1/4" = 1'-0"



B3 THIRD FLOOR NOURISHMENT STATION/MOBILE CHECK IN
1/4" = 1'-0"

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RELEASED FOR CONSTRUCTION
As noted on this sheet
Jackson County Services Department
Independence, Missouri
01/16/2024

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
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Kansas City, MO 64108
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CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description
2	2-10-23	ADDENDUM #2

CONSTRUCTION DOCUMENTS

A229

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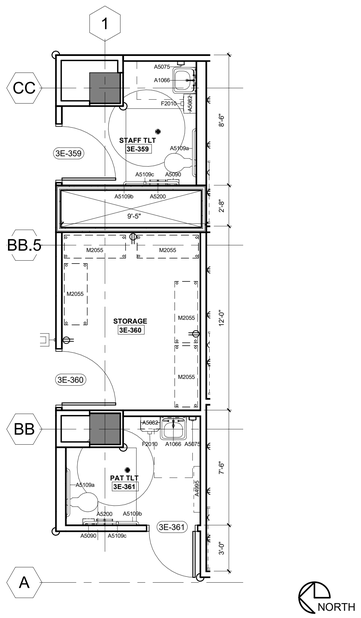
ENLARGED FLOOR PLANS



D5 WOMEN'S STORAGE / TYP STAFF TOILET / TYP PAT TOILET 3
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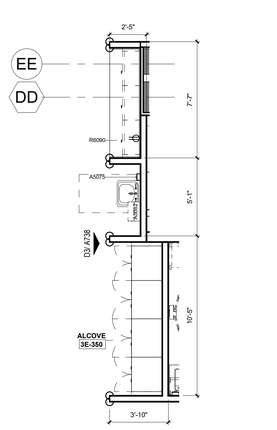

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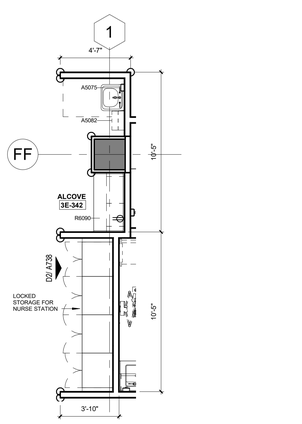

D3 WOMEN'S ALCOVE 3E-342
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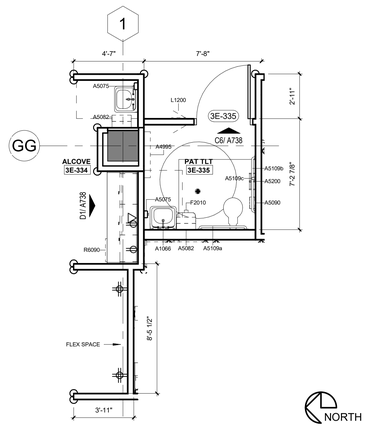

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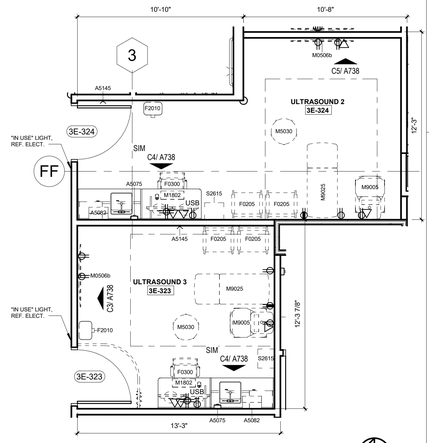

D1 WOMEN'S ULTRASOUND 2 & 3
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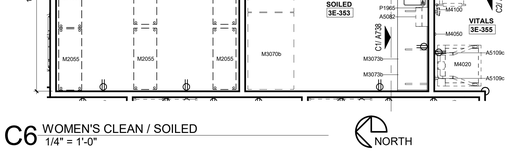
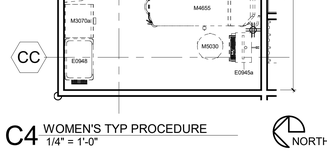
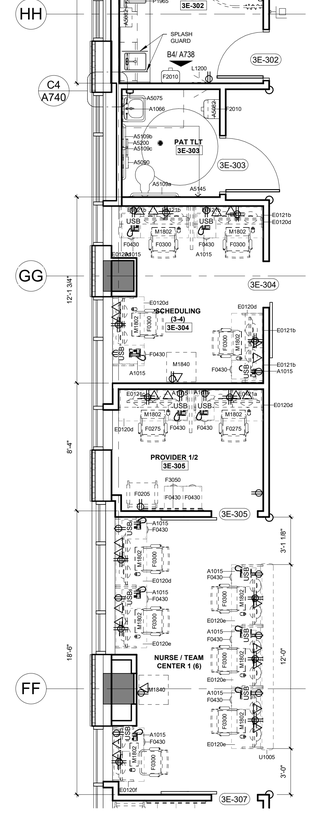


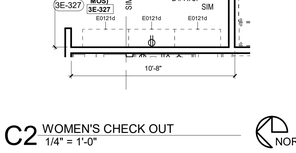
C6 WOMEN'S CLEAN / SOILED
1/4" = 1'-0"



C4 WOMEN'S TYP PROCEDURE
1/4" = 1'-0"

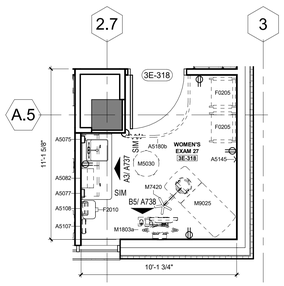


C3 WOMEN'S LAB / TYP PATIENT TOILET 1 / SCHEDULING / TYP PROVIDER OFFICE
1/4" = 1'-0"

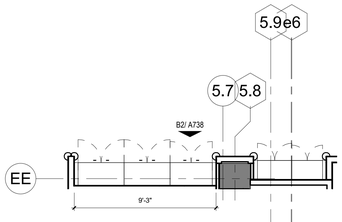


C2 WOMEN'S CHECK OUT
1/4" = 1'-0"

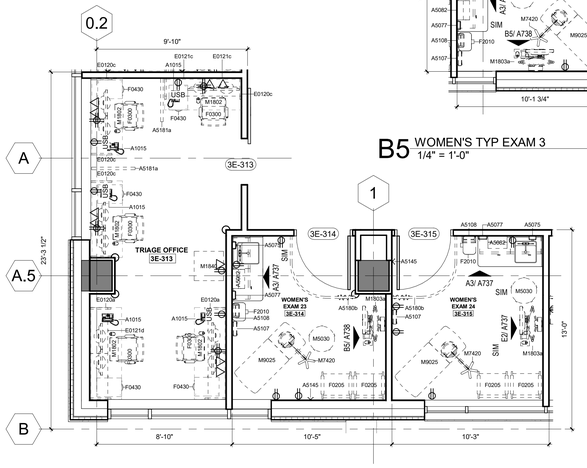
C1 WOMEN'S PM OFFICE / CONSULT
1/4" = 1'-0"



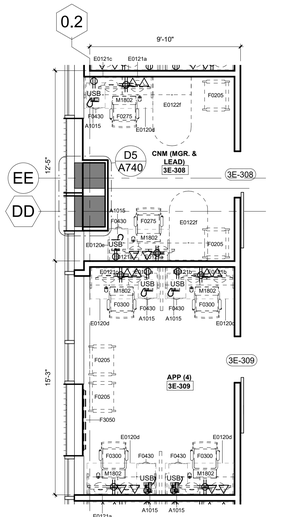
B5 WOMEN'S TYP EXAM 3
1/4" = 1'-0"



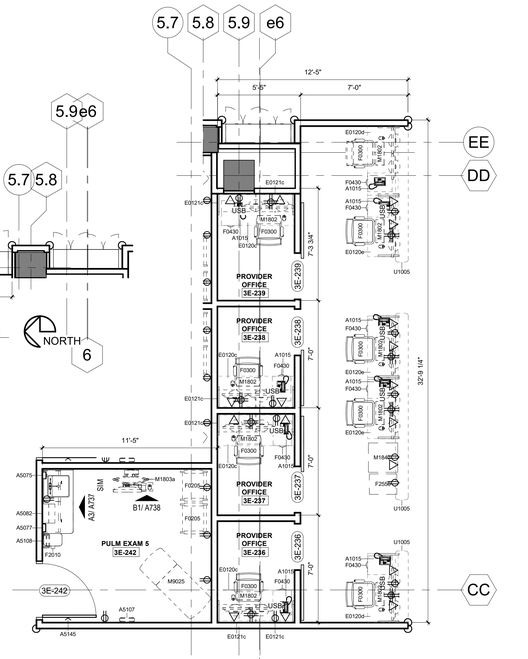
B2 SPECIALTY STORAGE ALCOVE 3
1/4" = 1'-0"



A6 WOMEN'S TRIAGE OFFICE AND TYP EXAM 1 & 2
1/4" = 1'-0"



A4 WOMEN'S APP / CNM
1/4" = 1'-0"



A1 SPECIALTY TYP PULM EXAM / TEAM CENTER
1/4" = 1'-0"

RELEASED FOR CONSTRUCTION
As noted on drawings
Community Development Services Department
City of Lee's Summit, Missouri
01/16/2024

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number: #001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #00127265

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS

A230

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ENLARGED FLOOR PLANS

RELEASED FOR CONSTRUCTION
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Building Services Department
Lee's Summit, Missouri
01/16/2024

1/16/2023

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Kansas City | St. Louis
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REFLECTED CEILING NOTES

1. EXISTING MEPFP 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.
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4. PAINT THE UNDERSIDE OF ALL GYPSUM BOARD CEILINGS, BULKHEADS AND SOFFITS (PT-5) UNLESS NOTED OTHERWISE.
5. THIS PLAN SHALL BE USED TO COORDINATE THE CEILING LAYOUT WITH MECHANICAL AND ELECTRICAL WORK. VERIFY THE EXACT QUANTITY REQUIRED.
6. CONTRACTOR TO REFER TO THE ELECTRICAL PLANS FOR ACTUAL LIGHTING SIZES AND FIXTURE TYPES.
7. SEE SPECIFICATIONS FOR CEILING TYPES.
8. REFER TO FINISH FLOOR PLANS FOR MATERIAL LEGEND OF ALL TYPES.
9. ALL CEILINGS SHALL BE 9'-0" AFF UNLESS OTHERWISE NOTED.

DESIGN/BUILD NOTES

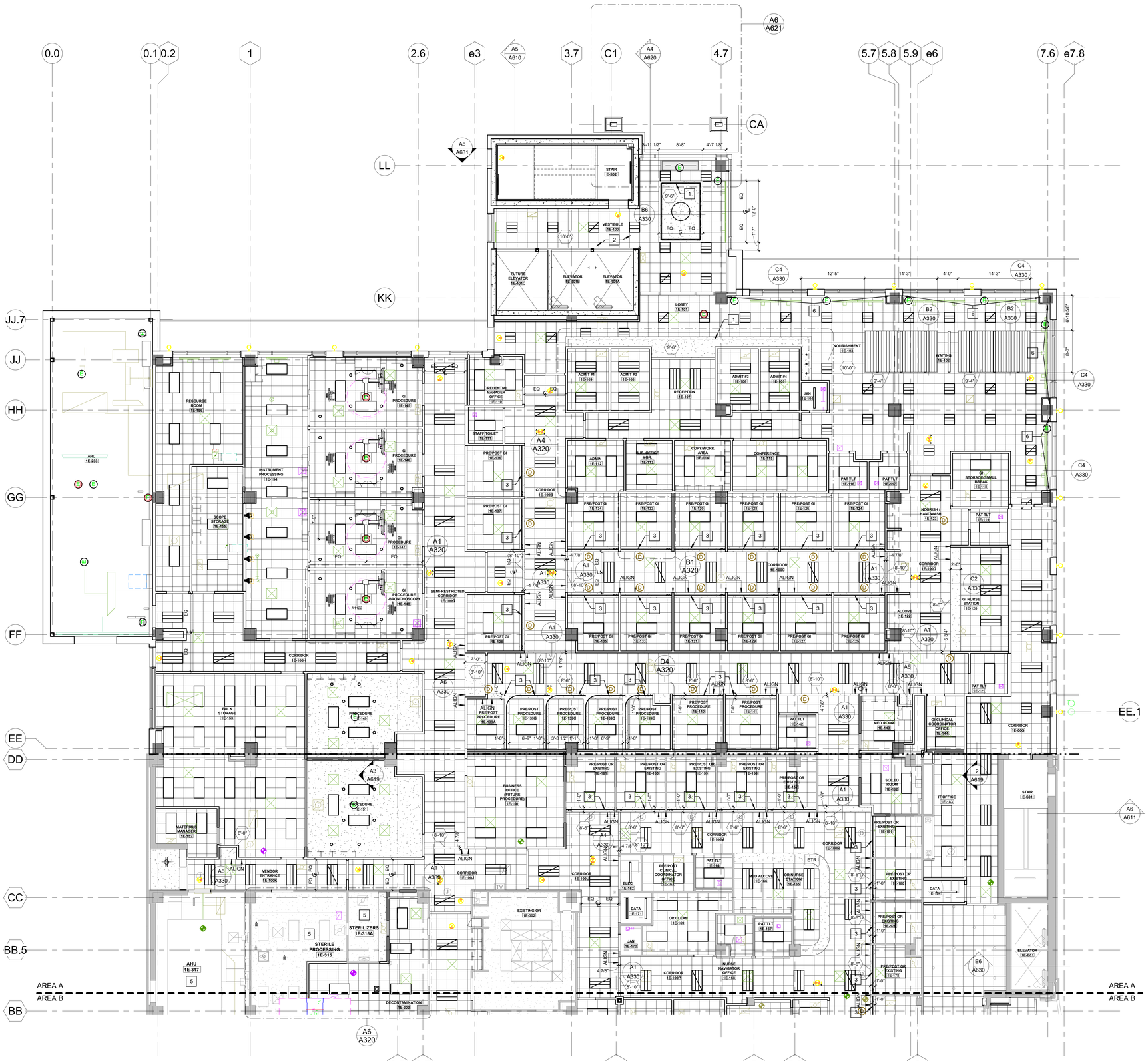
1. MEPFP DEVICES SHOWN ON THE ARCHITECTURAL CONTRACT DOCUMENTS SHOW DESIGN INTENT ONLY. ITEMS NOT SPECIFICALLY SHOWN, BUT REQUIRED TO FULFILL THE DESIGN INTENT, ARE TO BE PROVIDED BY THE DESIGN BUILDER TO PROVIDE A FULLY FUNCTIONING MEPFP SYSTEM.
2. IT IS THE DESIGN BUILDER's RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS, AND ANY EXISTING NON-CODE COMPLIANT ITEMS REQUIRING UPGRADES, AS A PART OF PREPARING THEIR DESIGN BUILD PROPOSAL.
3. COORDINATE WITH OWNER FOR EXACT SWITCH LOCATIONS PRIOR TO WORK BEING PERFORMED.
4. DESIGN/BUILD CONTRACTOR TO PROVIDE FIRE AND LIFE SAFETY DEVICES, EGRESS LIGHTING DEVICES AS REQUIRED TO COMPLY WITH NFPA STANDARDS AND ALL APPLICABLE BUILDING CODES. SUBMIT SIGNED AND SEALED DRAWINGS TO BUILDING DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO WORK BEING PERFORMED.
5. ALL EMERGENCY LIGHTS, EXIT SIGNS, AND NIGHT LIGHTS ARE FOR REFERENCE ONLY. COMPLY WITH ALL APPLICABLE CODES.

CEILING LEGEND

- RECESSED CAN LIGHT FIXTURE RE: ELECT
- 2X4 RECESSED/SURFACE LIGHT FIXTURE RE: ELECT
- 2X2 RECESSED/SURFACE LIGHT FIXTURE RE: ELECT
- PENDANT LIGHT FIXTURE RE: ELECT
- ROUND PENDANT LIGHT FIXTURE RE: ELECT
- C2 — GYP BOARD CEILING - PAINTED W/ CONTROL JOINTS PER SPECS
- 2X2/2x4 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

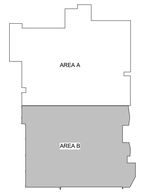
KEYNOTES - RCP

Number	Comments
1	COVE LIGHTING, RE: MEP.
2	ACT CEILING IN THIS AREA TO HAVE HOLD DOWN CLIPS.
3	CUBICLE CURTAIN AND TRACK, CEILING MOUNTED, RE: DETAIL A5/A330.
4	CUBICLE CURTAIN AND TRACK, CEILING MOUNTED, RE: DETAIL A4/A330.
5	EXISTING CEILING TO REMAIN. PATCH TO MATCH AS NEEDED. NEW GYP CEILING TO MATCH CEILING HEIGHT AND FINISH TEXTURE/COLOR OF EXISTING CEILING.
6	CONTINUOUS FLOWBAR BETWEEN COLUMNS, RE: DETAIL C3/A330
7	EXISTING ACCESS DOOR TO REMAIN.
8	EXISTING INSTRUMENT AIR TO REMAIN.
9	NEW CEILING MOUNTED INSTRUMENT AIR. RE: MEP



A2 FIRST FLOOR - ASC AREA A RCP
1/8" = 1'-0"

NORTH



KEY PLAN - FIRST FLOOR ASC - AREA A
1" = 100'-0"

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	KDS
Checked By	KGF

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS

A311a

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FIRST FLOOR - REFLECTED CEILING PLAN - AREA A

1/17/2023 9:45:59 AM

REFLECTED CEILING NOTES

1. EXISTING MEPFP 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.
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6. CONTRACTOR TO REFER TO THE ELECTRICAL PLANS FOR ACTUAL LIGHTING SIZES AND FIXTURE TYPES.
7. SEE SPECIFICATIONS FOR CEILING TYPES.
8. REFER TO FINISH FLOOR PLANS FOR MATERIAL LEGEND OF ALL TYPES.
9. ALL CEILINGS SHALL BE 9'-0" AFF UNLESS OTHERWISE NOTED.

DESIGN/BUILD NOTES

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CEILING LEGEND

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- 2X4 RECESSED/SURFACE LIGHT FIXTURE RE: ELECT
- 2X2 RECESSED/SURFACE LIGHT FIXTURE RE: ELECT
- PENDANT LIGHT FIXTURE RE: ELECT
- ROUND PENDANT LIGHT FIXTURE RE: ELECT
- GYP BOARD CEILING - PAINTED W/ CONTROL JOINTS PER SPECS
- 2X2/2x4 LAY-IN ACOUSTICAL CEILING
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- EXIT LIGHT WITH FIXTURE MARK WALL BRACKET RE: ELECT
- SUPPLY AIR GRILLE RE: MECH
- RETURN AIR OR EXHAUST GRILLE RE: MECH
- SOFFIT HEIGHT
- CEILING HEIGHT

KEYNOTES - RCP

Number	Comments
1	COVE LIGHTING, RE: MEP.
2	ACT CEILING IN THIS AREA TO HAVE HOLD DOWN CLIPS.
3	CUBICLE CURTAIN AND TRACK, CEILING MOUNTED, RE: DETAIL A5/A330.
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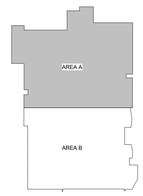
6	CONTINUOUS FLOWBAR BETWEEN COLUMNS, RE: DETAIL C3/A330
7	EXISTING ACCESS DOOR TO REMAIN.
8	EXISTING INSTRUMENT AIR TO REMAIN.
9	NEW CEILING MOUNTED INSTRUMENT AIR. RE: MEP

A2 FIRST FLOOR - ASC AREA B RCP
1/8" = 1'-0"

NORTH



KEY PLAN - FIRST FLOOR ASC - AREA B
1" = 100'-0"

RELEASED FOR CONSTRUCTION
As noted on this sheet
City of Lee's Summit Development Services Department
Lee's Summit, Missouri
01/18/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
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CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
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STRUCTURAL CONSULTANT
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CONSTRUCTION DOCUMENTS

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ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	KDS
Checked By	KGF

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS

A311b

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FIRST FLOOR - REFLECTED CEILING PLANS - AREA B

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/3-21037_ASC Expansion & Renovation.rvt

1/17/2023 9:46:06 AM

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Community Services Department
Lee's Summit, Missouri
01/16/2024

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
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CIVIL CONSULTANT

BHC
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KEYNOTES - RCP

Number	Comments
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9	NEW CEILING MOUNTED INSTRUMENT AIR, RE: MEP

0.0
0.1
0.2
1
2.6
e3
3.7
C1
A4 A620
4.7
5.7
5.8
5.9
e6
7.6
e7.8
e8
LL
KK
JJ.7
JJ
HH
GG
FF
EE
DD
CC
BB.5
BB
2.5
2.7
4
5
5.2
6
EE.1
AREA A
A2 / A312b
AREA B
STAIR E-502
VESTIBULE 2E-100
FUTURE ELEVATOR 1E-101C
ELEVATOR 1E-101B
ELEVATOR 1E-101A
NOURISHMENT 2E-155
PAT TLT 2E-152
PAT TLT 2E-153
PAT TLT 2E-154
WAITING 2E-151
FOOT/ANKLE TEAM CENTER 2E-306
EXAM #1 2E-305
EXAM #2 2E-304
EXAM #3 2E-303
CAST 2E-302
CAST 2E-301
CORRIDOR 2E-300G
EXAM #4 2E-307
EXAM #5 2E-308
EXAM #6 2E-309
INTAKE 2E-310
CORRIDOR 2E-300A
EXAM #7 2E-314
EXAM #8 2E-313
EXAM #9 2E-312
PAT TLT 2E-311
CORRIDOR 2E-300E
EXAM #10 2E-320
EXAM #11 2E-321
CAST 2E-322
ELEC 2E-323
CORRIDOR 2E-300B
EXAM #1 2E-327
EXAM #2 2E-326
EXAM #3 2E-325
PAT TLT 2E-324
CORRIDOR 2E-300E
EXAM #4 2E-330
EXAM #5 2E-331
JOINT TEAM CENTER 2E-329
X-RAY SUBWAIT 2E-332
EXAM #6 2E-336
EXAM #7 2E-335
EXAM #8 2E-334
INTAKE 2E-333
CORRIDOR 2E-300F
EXAM #9 2E-339
EXAM #10 2E-340
EXAM #11 2E-341
CORRIDOR 2E-300D
EXAM #13 2E-343
EXAM #14 2E-342
CHECK IN 2E-106
FILES 2E-108
FRONT DESK MANAGER 2E-109
CHECK OUT / SCHEDULERS 2E-107
CHECK OUT / SCHEDULERS 2E-111
IT CLOSET 2E-110
CORRIDOR 2E-300A
X-RAY SAMSUNG 2E-118
X-RAY GE 2E-116
X-RAY GE 2E-117
CORRIDOR 2E-400A
CORRIDOR 2E-122
X-RAY SM 2E-113
FINANCIAL MANAGER 2E-112
TECH WORK 2E-114
DME WORK 2E-121
X-RAY SAMSUNG 2E-118
OPERATION MANAGER 2E-119
STAFF TLT 2E-120
CORRIDOR 2E-200A
EXAM #1 2E-221
EXAM #2 2E-222
EXAM #3 2E-223
EXAM #4 2E-224
EXAM #5 2E-225
EXAM #6 2E-226
CORRIDOR 2E-200E
PAT TLT 2E-222
EXAM #1 2E-221
EXAM #2 2E-220
EXAM #3 2E-219
INTAKE 2E-223
CORRIDOR 2E-200B
STAFF TLT 2E-230
STAFF TLT 2E-231
STAFF LOUNGE 2E-232
CLINIC MANAGER 2E-234
DME STORAGE 2E-237
CONFERENCE 2E-235
MID LEVEL 2E-236
CORRIDOR 2E-200F
MOTHER'S ROOM 2E-238
STAFF TLT 2E-239
CORRIDOR 2E-200H
EXAM #1 2E-205
EXAM #2 2E-204
EXAM #3 2E-203
EXAM #4 2E-204
EXAM #5 2E-203
HAND TEAM CENTER 2E-206
CORRIDOR 2E-200B
CAST 2E-212
EXAM #6 2E-215
EXAM #7 2E-212
CAST 2E-214
EXAM #8 2E-215
EXAM #9 2E-216
INTAKE 2E-213
CORRIDOR 2E-200C
CORRIDOR 2E-200D
PROVIDER OFFICE 2E-207
PROVIDER OFFICE 2E-208
PROVIDER OFFICE 2E-209
PROVIDER OFFICE 2E-217
PROVIDER OFFICE 2E-227
ADMINISTRATIVE OFFICE 2E-228
MID LEVEL OFFICE 2E-229
STAIR E-501
ELEVATOR 1E-501
CORRIDOR 2E-200F
PROVIDER OFFICE 2E-315
PROVIDER OFFICE 2E-316
PROVIDER OFFICE 2E-317
PROVIDER OFFICE 2E-318
PROVIDER OFFICE 2E-319
PROVIDER OFFICE 2E-328
PROVIDER OFFICE 2E-337
PROVIDER OFFICE 2E-338
GENERAL ORTHOSPINE TEAM CENTER 2E-218
C5 A321
C6 A321
D5 A321
A6 A321
C5 A611
A5 A611
E6 A630
A4 A321
B6 A330
A6 A330
A1 A330
A2 A330
A3 A330
PT-7
PT-5
EQ
ALIGN
8'-3"
14'-3"
9'-6"
10'-0"
9'-10"
5'-6"
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6'-0"
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4 7/8"
4

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REFLECTED CEILING NOTES

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4. PAINT THE UNDERSIDE OF ALL GYPSUM BOARD CEILINGS, BULKHEADS AND SOFFITS (PT-5) UNLESS NOTED OTHERWISE.
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6. CONTRACTOR TO REFER TO THE ELECTRICAL PLANS FOR ACTUAL LIGHTING SIZES AND FIXTURE TYPES.
7. SEE SPECIFICATIONS FOR CEILING TYPES.
8. REFER TO FINISH FLOOR PLANS FOR MATERIAL LEGEND OF ALL TYPES.
9. ALL CEILINGS SHALL BE 9'-0" AFF UNLESS OTHERWISE NOTED.

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1. MEPFP DEVICES SHOWN ON THE ARCHITECTURAL CONTRACT DOCUMENTS SHOW DESIGN INTENT ONLY. ITEMS NOT SPECIFICALLY SHOWN, BUT REQUIRED TO FULFILL THE DESIGN INTENT, ARE TO BE PROVIDED BY THE DESIGN BUILDER TO PROVIDE A FULLY FUNCTIONING MEPFP SYSTEM.
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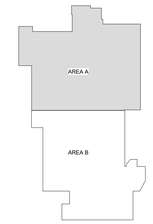
3. COORDINATE WITH OWNER FOR EXACT SWITCH LOCATIONS PRIOR TO WORK BEING PERFORMED.
4. DESIGN/BUILD CONTRACTOR TO PROVIDE FIRE AND LIFE SAFETY DEVICES, EGRESS LIGHTING DEVICES AS REQUIRED TO COMPLY WITH NFPA STANDARDS AND ALL APPLICABLE BUILDING CODES. SUBMIT SIGNED AND SEALED DRAWINGS TO BUILDING DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO WORK BEING PERFORMED.
5. ALL EMERGENCY LIGHTS, EXIT SIGNS, AND NIGHT LIGHTS ARE FOR REFERENCE ONLY. COMPLY WITH ALL APPLICABLE CODES.

CEILING LEGEND

- RECESSED CAN LIGHT FIXTURE RE: ELECT
- 2X4 RECESSED/SURFACE LIGHT FIXTURE RE: ELECT
- 2X2 RECESSED/SURFACE LIGHT FIXTURE RE: ELECT
- PENDANT LIGHT FIXTURE RE: ELECT
- ROUND PENDANT LIGHT FIXTURE RE: ELECT
- GYP BOARD CEILING - PAINTED W/ CONTROL JOINTS PER SPECS
- 2X2/2x4 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
- SOFFIT HEIGHT
- CEILING HEIGHT

KEYNOTES - RCP

Number	Comments
1	COVE LIGHTING, RE: MEP.
2	ACT CEILING IN THIS AREA TO HAVE HOLD DOWN CLIPS.
3	CUBICLE CURTAIN AND TRACK, CEILING MOUNTED, RE: DETAIL A5/A330.
4	CUBICLE CURTAIN AND TRACK, CEILING MOUNTED, RE: DETAIL A4/A330.
5	EXISTING CEILING TO REMAIN. PATCH TO MATCH AS NEEDED. NEW GYP CEILING TO MATCH CEILING HEIGHT AND FINISH TEXTURE/COLOR OF EXISTING CEILING.
6	CONTINUOUS FLOWBAR BETWEEN COLUMNS, RE: DETAIL C3/A330
7	EXISTING ACCESS DOOR TO REMAIN.
8	EXISTING INSTRUMENT AIR TO REMAIN.
9	NEW CEILING MOUNTED INSTRUMENT AIR, RE: MEP



KEY PLAN - SECOND FLOOR - AREA B
1" = 100'-0"

A2 SECOND FLOOR - ROCKHILL AREA B RCP
1/8" = 1'-0"

NORTH

RELEASED FOR CONSTRUCTION
As noted on this sheet
Development Services Department
Lee's Summit, Missouri
01/16/2024

SAMUEL K. BECKMAN A-2011012130 ARCHITECT
1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number: #001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #00127265

CONSTRUCTION DOCUMENTS

Saint Luke's EAST HOSPITAL

ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS

A312b

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SECOND FLOOR - REFLECTED CEILING PLANS - AREA B

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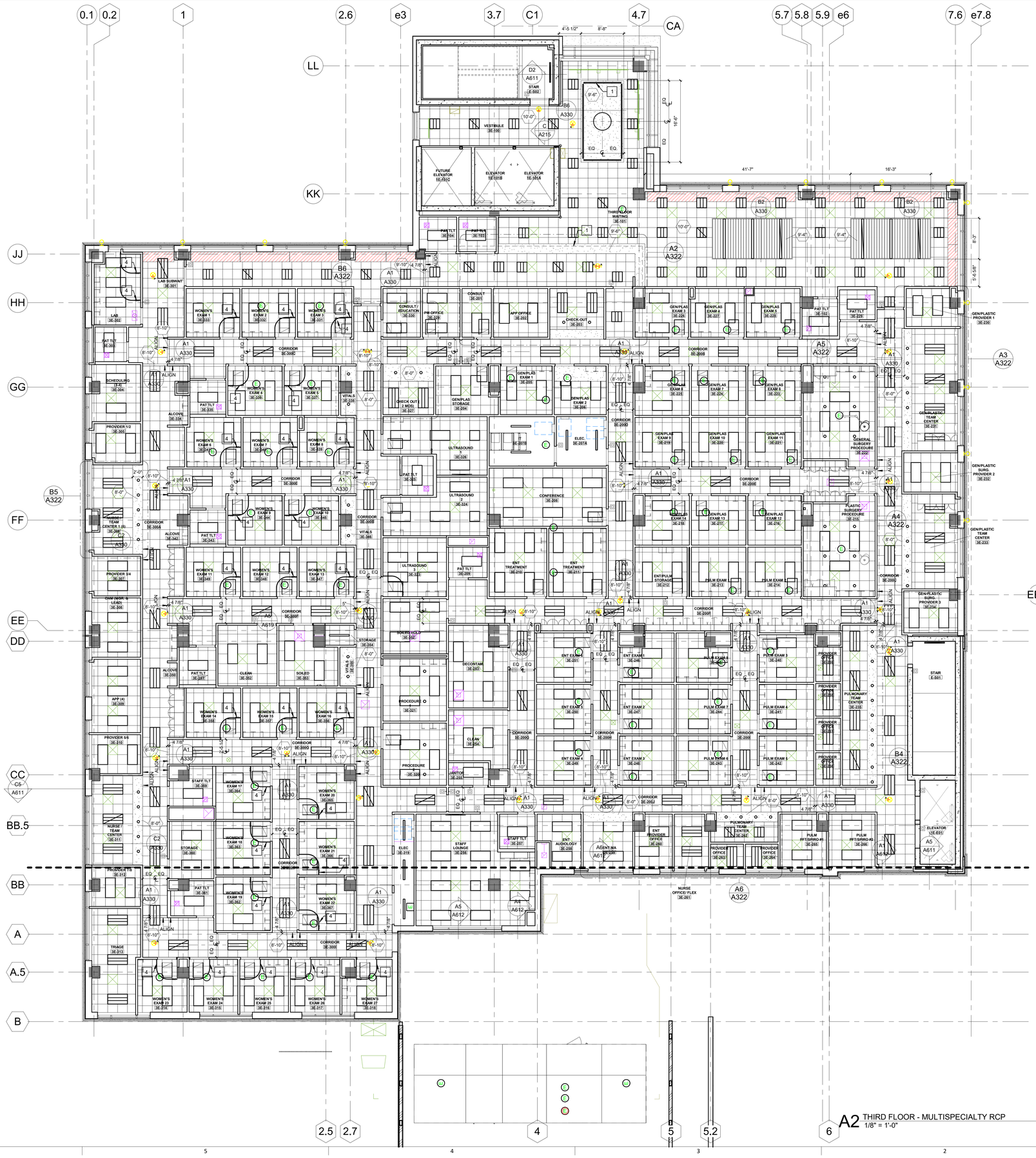

REFLECTED CEILING NOTES

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8. REFER TO FINISH FLOOR PLANS FOR MATERIAL LEGEND OF ALL TYPES.
9. ALL CEILINGS SHALL BE 9'-0" AFF UNLESS OTHERWISE NOTED.

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CEILING LEGEND

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- 2X4 RECESSED/SURFACE LIGHT FIXTURE RE: ELECT
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- GYP BOARD CEILING - PAINTED W/ CONTROL JOINTS PER SPECS
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- EXIT LIGHT WITH FIXTURE MARK WALL BRACKET RE: ELECT
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- RETURN AIR OR EXHAUST GRILLE RE: MECH
- SOFFIT HEIGHT
- CEILING HEIGHT

KEYNOTES - RCP

Number	Comments
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7	EXISTING ACCESS DOOR TO REMAIN.
8	EXISTING INSTRUMENT AIR TO REMAIN.
9	NEW CEILING MOUNTED INSTRUMENT AIR. RE: MEP

RELEASED FOR CONSTRUCTION
As noted on this transmittal
Permit Services Department
City of Lee's Summit, Missouri
01/16/2024

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

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CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL

ASC EXPANSION & RENOVATION

100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	KDS
Checked By	KGF

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS

A313

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THIRD FLOOR - REFLECTED CEILING PLAN

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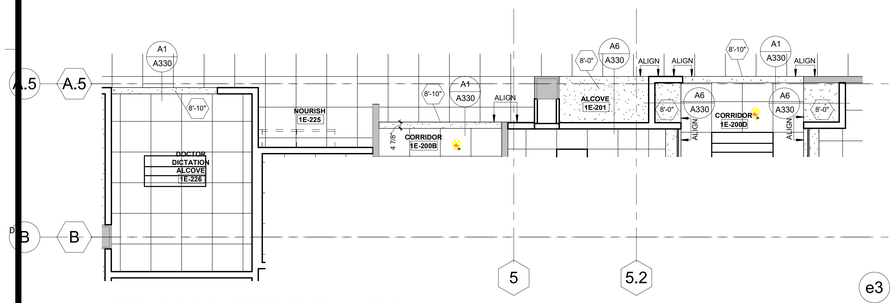
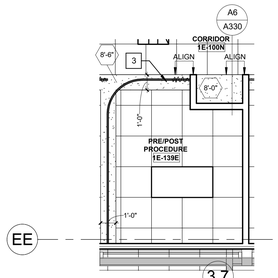
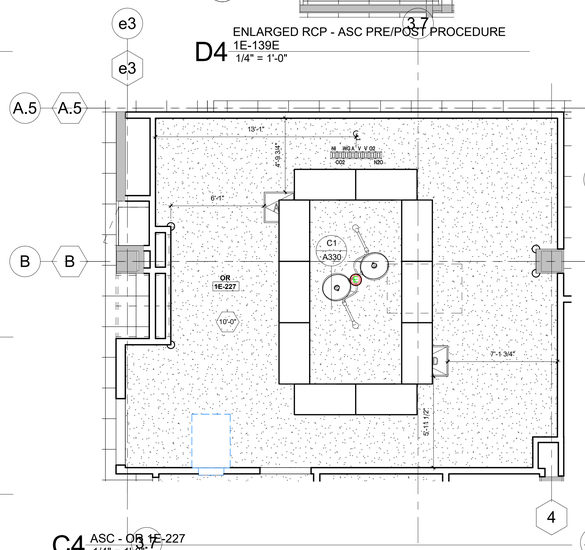
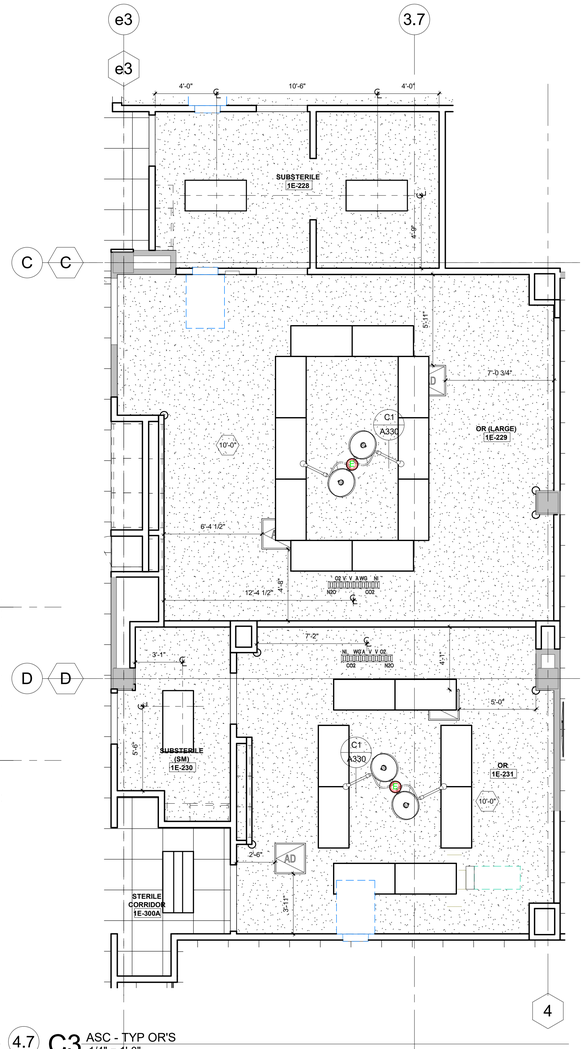


D6 ASC OR NOURISH & DOCTOR DICTATION / ALCOVE
1/4" = 1'-0"



D4 ENLARGED RCP - ASC PRE/POST PROCEDURE 1E-139E
1/4" = 1'-0"





C3 ASC - TYP OR'S
1/4" = 1'-0"

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- ROUND PENDANT LIGHT FIXTURE RE: ELECT
- C2 — GYP BOARD CEILING - PAINTED W/ CONTROL JOINTS PER SPECS
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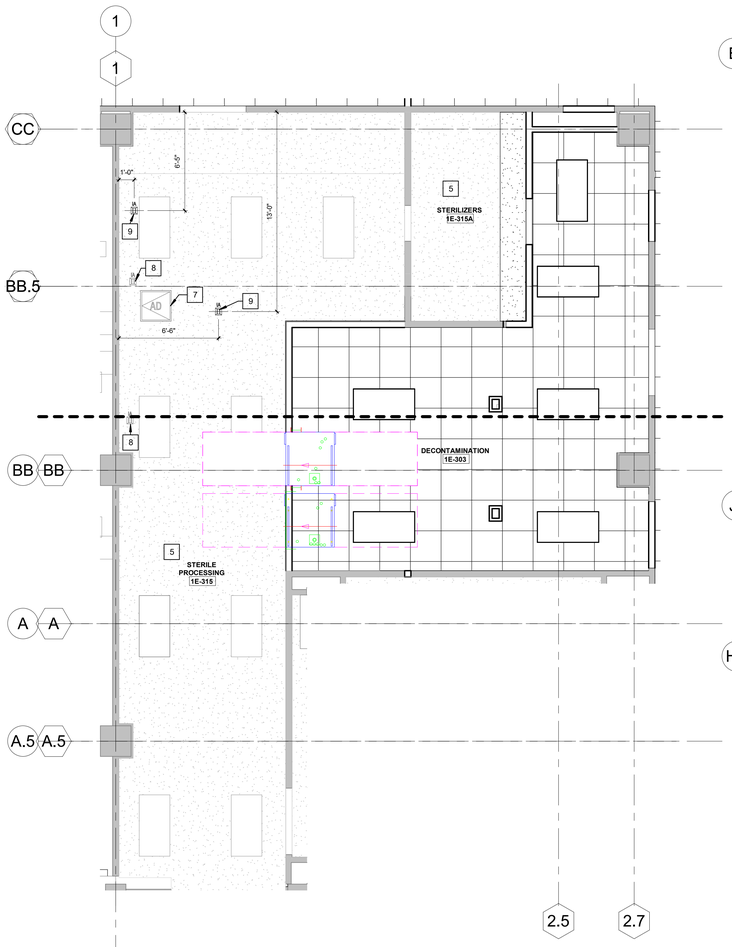
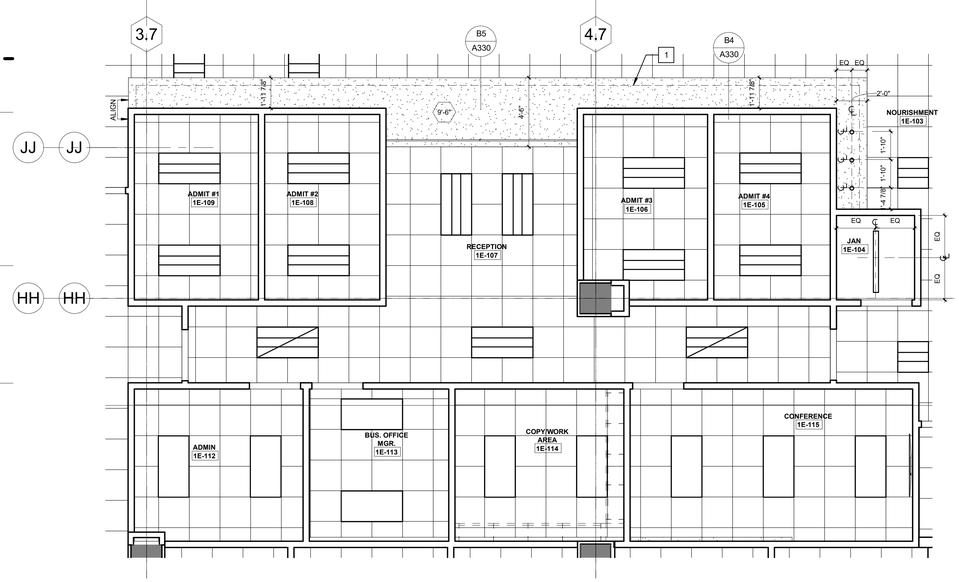
- EXIT LIGHT WITH FIXTURE MARK CEILING MOUNTED RE: ELECT
- EXIT LIGHT WITH FIXTURE MARK WALL BRACKET RE: ELECT
- SUPPLY AIR GRILLE RE: MECH
- RETURN AIR OR EXHAUST GRILLE RE: MECH
- 9'-0" — SOFFIT HEIGHT
- 9'-0" — CEILING HEIGHT



A6 ASC - DECON
1/4" = 1'-0"



A4 ASC - RECEPTION
1/4" = 1'-0"

KEYNOTES - RCP

Number	Comments
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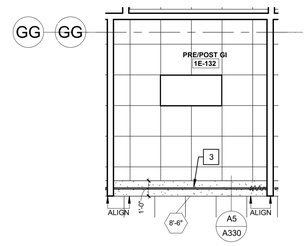
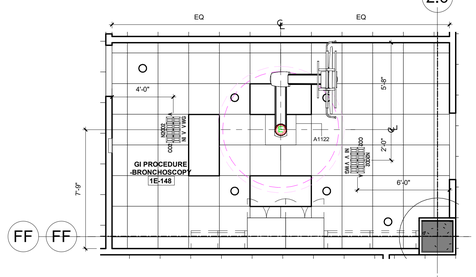


B1 ASC TYP. PRE/POST GI - ENLARGED RCP
1/4" = 1'-0"



A1 ASC - TYPICAL GI PROCEDURE
1/4" = 1'-0"

RELEASED FOR CONSTRUCTION
As noted on this sheet
Kansas City Missouri Services Department
Kansas City, Missouri
01/16/2024

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
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Saint Luke's
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100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	KDS
Checked By	BR

Revision

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CONSTRUCTION DOCUMENTS

A320

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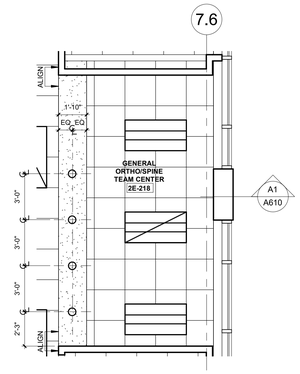
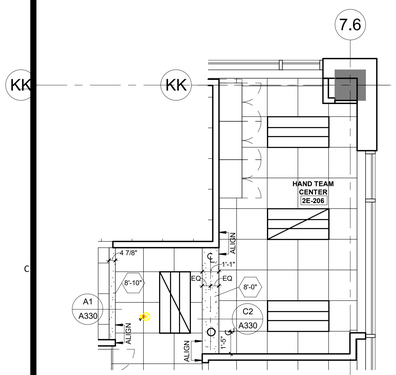
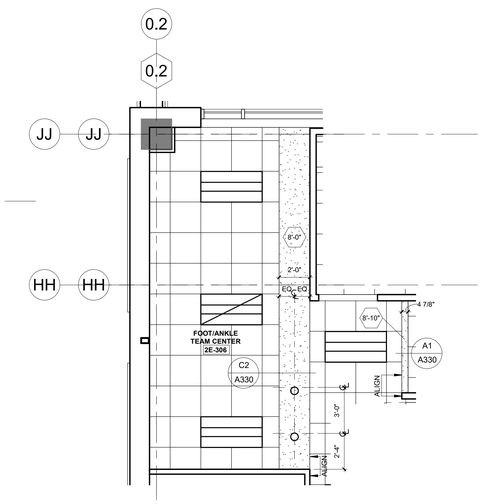


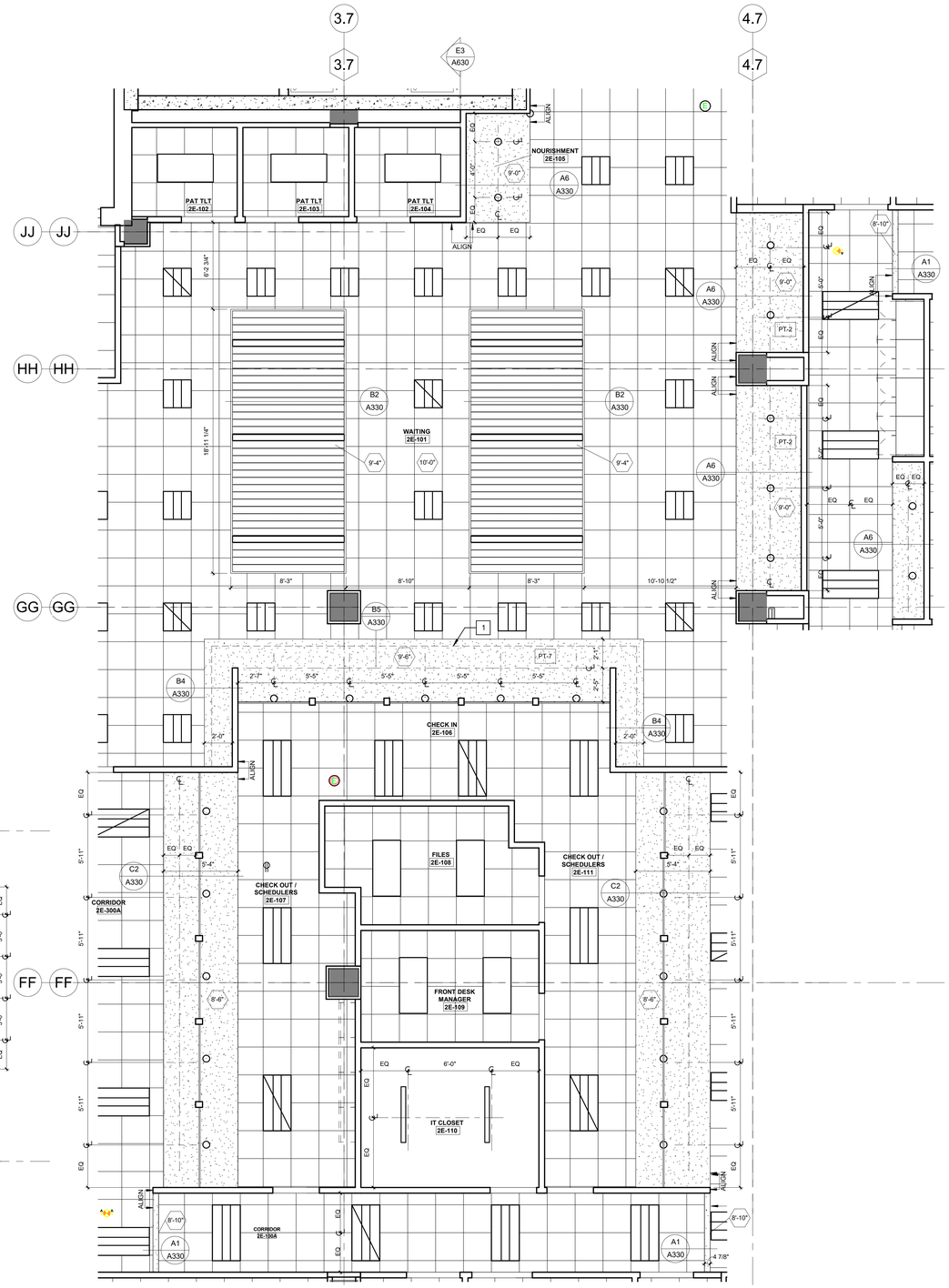
D5 ROCKHILL - GENERAL SPINE/ORTHO TEAM CENTER
1/4" = 1'-0"



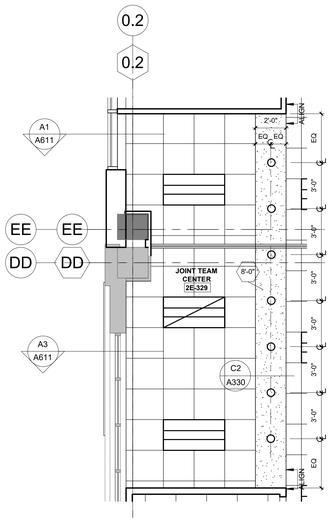
C6 ROCKHILL - HAND TEAM CENTER
1/4" = 1'-0"



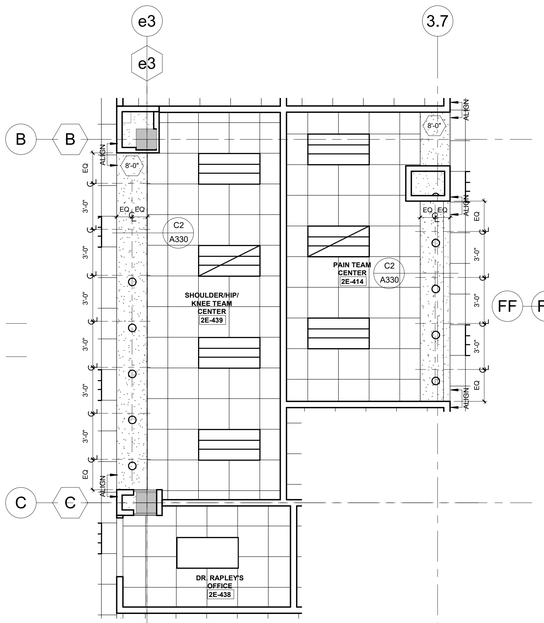
C5 ROCKHILL - FOOT/ANKLE TEAM CENTER
1/4" = 1'-0"



A4 ROCKHILL WAITING & RECEPTION
1/4" = 1'-0"



A6 ROCKHILL - JOINT TEAM CENTER
1/4" = 1'-0"



ROCKHILL - SHOULDER/HIP/KNEE/PAIN TEAM CENTERS / DR. RAPLEY PRIVATE OFFICE
A5 1/4" = 1'-0"

REFLECTED CEILING NOTES

1. EXISTING MEPFP 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.
2. CONTRACTOR TO PROVIDE ALL REQUIRED LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO MEET AND COMPLETE THE REQUIREMENTS OF THE NEW CONSTRUCTION.
3. ALL EXISTING CONSTRUCTION TO REMAIN SHALL BE PATCHED, REPAIRED, AND PREP AS REQUIRED FOR NEW FINISH APPLICATION.
4. PAINT THE UNDERSIDE OF ALL GYPSUM BOARD CEILINGS, BULKHEADS AND SOFFITS (PT-5) UNLESS NOTED OTHERWISE.
5. THIS PLAN SHALL BE USED TO COORDINATE THE CEILING LAYOUT WITH MECHANICAL AND ELECTRICAL WORK. VERIFY THE EXACT QUANTITY REQUIRED.
6. CONTRACTOR TO REFER TO THE ELECTRICAL PLANS FOR ACTUAL LIGHTING SIZES AND FIXTURE TYPES.
7. SEE SPECIFICATIONS FOR CEILING TYPES.
8. REFER TO FINISH FLOOR PLANS FOR MATERIAL LEGEND OF ALL TYPES.
9. ALL CEILINGS SHALL BE 9'-0" AFF UNLESS OTHERWISE NOTED.

DESIGN/BUILD NOTES

1. MEPFP DEVICES SHOWN ON THE ARCHITECTURAL CONTRACT DOCUMENTS SHOW DESIGN INTENT ONLY. ITEMS NOT SPECIFICALLY SHOWN, BUT REQUIRED TO FULFILL THE DESIGN INTENT, ARE TO BE PROVIDED BY THE DESIGN BUILDER TO PROVIDE A FULLY FUNCTIONING MEPFP SYSTEM.
2. IT IS THE DESIGN BUILDER's RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS, AND ANY EXISTING NON-CODE COMPLIANT ITEMS REQUIRING UPGRADES, AS A PART OF PREPARING THEIR DESIGN BUILD PROPOSAL.
3. COORDINATE WITH OWNER FOR EXACT SWITCH LOCATIONS PRIOR TO WORK BEING PERFORMED.
4. DESIGN/BUILD CONTRACTOR TO PROVIDE FIRE AND LIFE SAFETY DEVICES, EGRESS LIGHTING DEVICES AS REQUIRED TO COMPLY WITH NFPA STANDARDS AND ALL APPLICABLE BUILDING CODES. SUBMIT SIGNED AND SEALED DRAWINGS TO BUILDING DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO WORK BEING PERFORMED.
5. ALL EMERGENCY LIGHTS, EXIT SIGNS, AND NIGHT LIGHTS ARE FOR REFERENCE ONLY. COMPLY WITH ALL APPLICABLE CODES.

CEILING LEGEND

- RECESSED CAN LIGHT FIXTURE RE: ELECT
- 2X4 RECESSED/SURFACE LIGHT FIXTURE RE: ELECT
- 2X2 RECESSED/SURFACE LIGHT FIXTURE RE: ELECT
- PENDANT LIGHT FIXTURE RE: ELECT
- ROUND PENDANT LIGHT FIXTURE RE: ELECT
- C2 — GYP BOARD CEILING - PAINTED W/ CONTROL JOINTS PER SPECS
- 2X2/2x4 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	COVE LIGHTING, RE: MEP.
2	ACT CEILING IN THIS AREA TO HAVE HOLD DOWN CLIPS.
3	CUBICLE CURTAIN AND TRACK, CEILING MOUNTED, RE: DETAIL A5/A330.
4	CUBICLE CURTAIN AND TRACK, CEILING MOUNTED, RE: DETAIL A4/A330.
5	EXISTING CEILING TO REMAIN. PATCH TO MATCH AS NEEDED. NEW GYP CEILING TO MATCH CEILING HEIGHT AND FINISH TEXTURE/COLOR OF EXISTING CEILING.
6	CONTINUOUS FLOWBAR BETWEEN COLUMNS, RE: DETAIL C3/A330
7	EXISTING ACCESS DOOR TO REMAIN.
8	EXISTING INSTRUMENT AIR TO REMAIN.
9	NEW CEILING MOUNTED INSTRUMENT AIR, RE: MEP

RELEASED FOR CONSTRUCTION
As noted on this sheet
Missouri Department of Insurance, Financial Institutions and Professional Registration
Missouri Services Department
Jefferson City, Missouri
10/1/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
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CIVIL CONSULTANT
BHC
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Overland Park, KS 66210
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Kansas City, MO 64108
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Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	KDS
Checked By	BR

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS

A321

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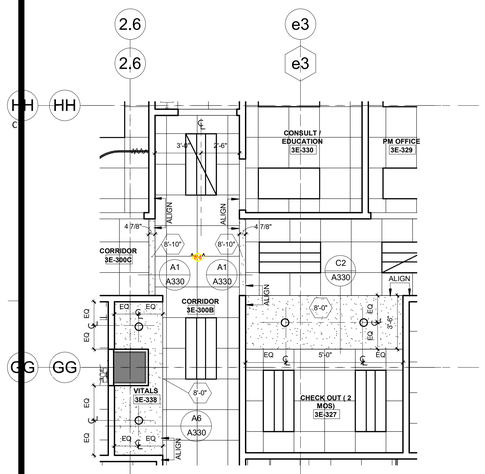
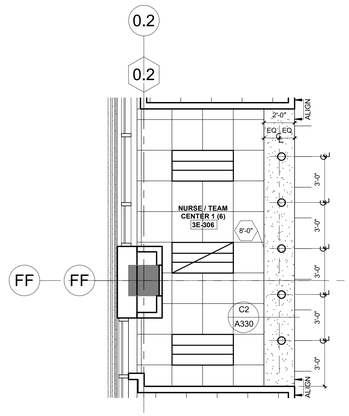
BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/3-21037_ASC Expansion & Renovation.rvt

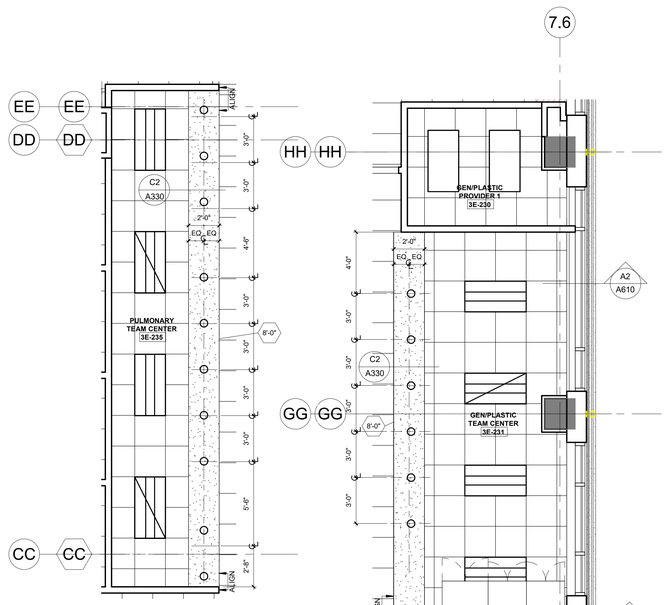
1/17/2023 9:47:15 AM



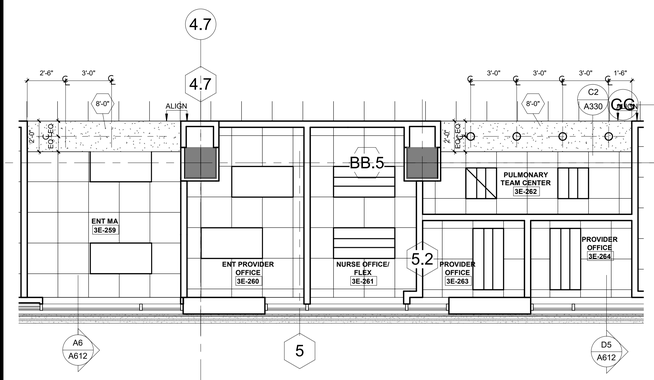
B6 SPECIALTY - CHECK OUT / VITALS
1/4" = 1'-0"



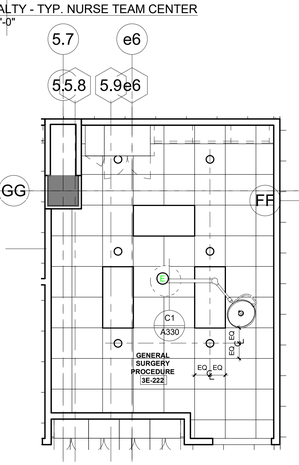
B5 SPECIALTY - TYP. NURSE TEAM CENTER
1/4" = 1'-0"



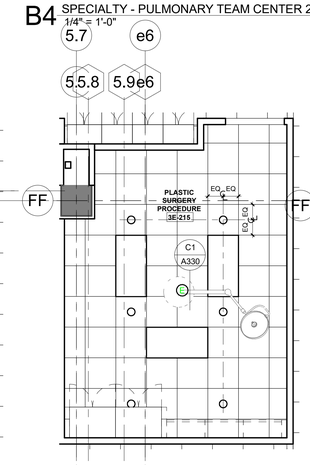
B4 SPECIALTY - PULMONARY TEAM CENTER 2
1/4" = 1'-0"



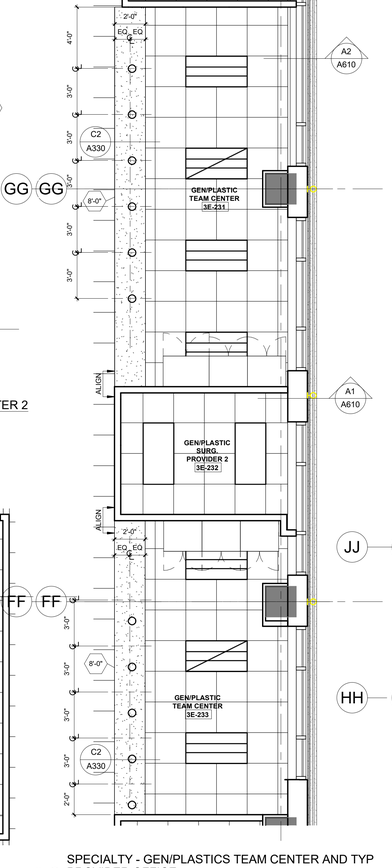
A6 SPECIALTY - PULMONARY TEAM CENTER
1/4" = 1'-0"



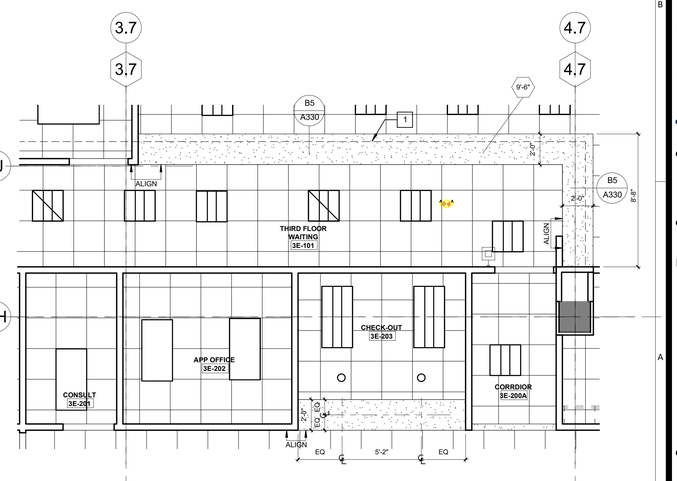
A5 SPECIALTY - PROCEDURE 2
1/4" = 1'-0"



A4 SPECIALTY - PROCEDURE 1
1/4" = 1'-0"



A3 SPECIALTY - GEN/PLASTICS TEAM CENTER AND TYP PROVIDER OFFICE
1/4" = 1'-0"



A2 SPECIALTY - CHECK IN / CHECK-OUT
1/4" = 1'-0"

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- RETURN AIR OR EXHAUST GRILLE RE: MECH
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- 9'-0" — CEILING HEIGHT

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9	NEW CEILING MOUNTED INSTRUMENT AIR. RE: MEP

RELEASED FOR CONSTRUCTION
As Noted on Plans
Development Services Department
Lee's Summit, Missouri
01/16/2024

STATE OF MISSOURI — SAMUEL K. BECKMAN — A-2011012130 — ARCHITECT

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
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Saint Luke's EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS
A322

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BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/3-21037_ASC Expansion & Renovation.rvt

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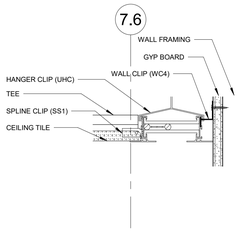
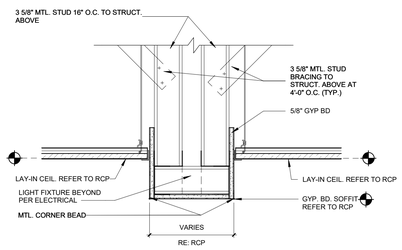
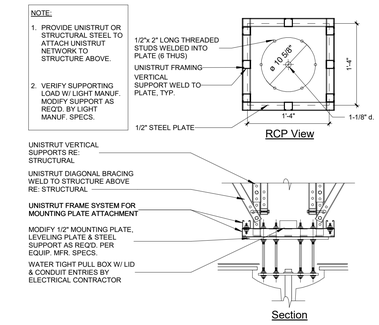


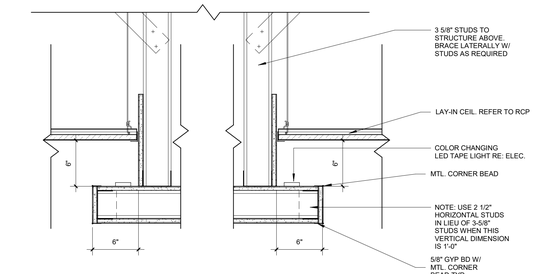
C4 FLOWBAR APPLICATION DETAIL
3" = 1'-0"



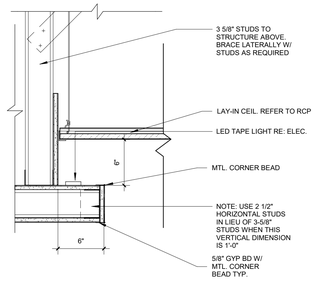
C2 SOFFIT DTL.
1 1/2" = 1'-0"



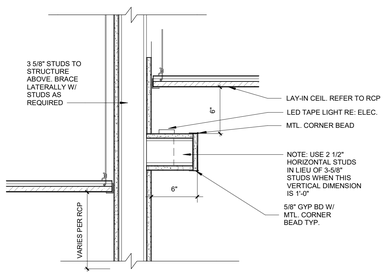
C1 LIGHT SUPPORT
1" = 1'-0"



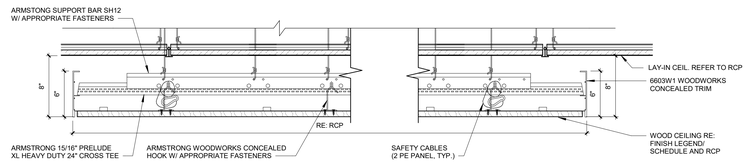
B6 LIGHT COVE DETAIL DOUBLE
1 1/2" = 1'-0"



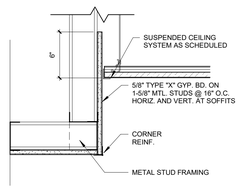
B5 LIGHT COVE DETAIL
1 1/2" = 1'-0"



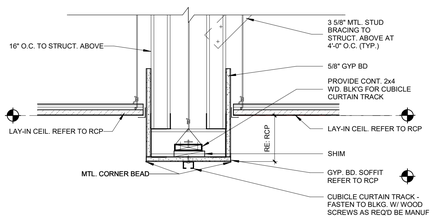
B4 LIGHT COVE DETAIL AT WALL
1 1/2" = 1'-0"



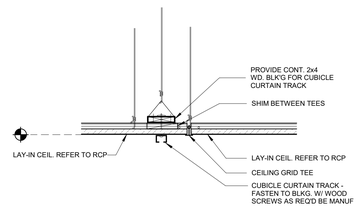
B2 DETAIL AT WOOD CEILING TO ACT
1 1/2" = 1'-0"



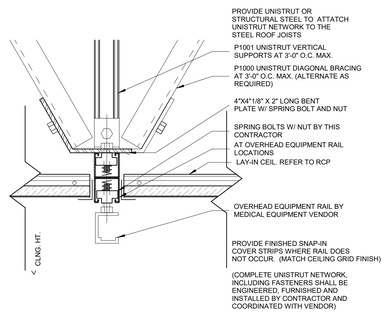
A6 GYPSUM BOARD SOFFIT
1 1/2" = 1'-0"



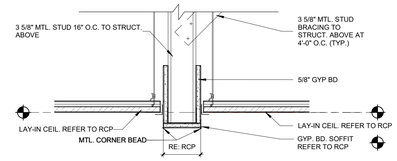
A5 CUBICLE CURTAIN TRACK DTL. AT SOFFIT
1 1/2" = 1'-0"



A4 CUBICLE CURTAIN TRACK DTL. AT ACT
1 1/2" = 1'-0"



A2 CEILING DETAIL
3" = 1'-0"



A1 BULKHEAD DETAIL
1 1/2" = 1'-0"

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/3-21037_ASC Expansion & Renovation.rvt

RELEASED FOR CONSTRUCTION
As noted on drawings
City of Lee's Summit, Building Safety Division
Missouri
Jan 16, 2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
NUMBER A-2011012130
ARCHITECT

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

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CONSTRUCTION DOCUMENTS

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ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	KDS
Checked By	KGF

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS
A330

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REFLECTED CEILING PLAN DETAILS

RELEASED FOR CONSTRUCTION
As Noted on Plans
City of Wentzville Planning & Services Department
Wentzville, Missouri
10/16/2024

2/13/2023 2:47:49 PM

DOOR SCHEDULE - FIRST FLOOR

DOOR #	ROOM NAME	DOOR INFORMATION WIDTH	HEIGHT	NO. OF LEAVES	UNEQUAL LEAF WIDTH	FRAME INFORMATION ELEV.	MATL.	ELEV.	MATL.	GLAZING	LABEL (MIN)	OVT Hardware Set	OPENING DETAIL HEAD	JAMB	REMARKS	REV #
1E-100	VESTIBULE	14'-0"	7'-8"	4		P	ALUM	--	ALUM	--	--	34	--	--	BI-PART SLIDING WITH CARD READER	
1E-100A.1	CORRIDOR	3'-0"	7'-0"	1		F	WD	1	HM	--	--	14	--	--	CARD READER	
1E-100A.2	WAITING	3'-0"	7'-0"	1		F	WD	1	HM	--	--	14	--	--	CARD READER	
1E-100B	SEMI-RESTRICTED CORRIDOR	3'-6"	7'-0"	2		F	WD	2	HM	--	--	08			CARD READER	
1E-100E.1	CORRIDOR	3'-6"	7'-0"	1		F	WD	1	HM	--	--	29	--	--	CARD READER	
1E-100E.2	CORRIDOR	4'-0"	7'-0"	1		F	WD	1	HM	--	90 min	14			CARD READER	
1E-100F	CORRIDOR	3'-6"	7'-0"	2		F	WD	2	HM	--	--	08			CARD READER	
1E-100G	SEMI-RESTRICTED CORRIDOR	4'-0"	7'-0"	1		FGN	ALUM	--	ALUM	--	--	01	--	--	CARD READER	
1E-100H.1	SEMI-RESTRICTED CORRIDOR	4'-0"	7'-0"	1		F	WD	1	HM	--	20 min	29			CARD READER	3
1E-100H.2	CORRIDOR	3'-6"	7'-0"	1		FGN	ALUM	--	ALUM	--	--	01	--	--	CARD READER	
1E-100H.3	AHU	4'-0"	7'-0"	1		F	HM	1	HM	--	45 min	04				
1E-100J	CORRIDOR	3'-6"	7'-0"	2		F	WD	3	HM	--	--	09			CARD READER	
1E-100K.1	CORRIDOR	3'-6"	7'-0"	1		F	WD	1	HM	--	20 min	11	--	--		3
1E-100K.2	VENDOR ENTRANCE	4'-0"	7'-0"	1		N	HM	1	HM	--	--				CARD READER, A-PHONE WITH DOOR RELEASE CONNECTED TO MATERIALS MANAGER	
1E-100P	CORRIDOR	3'-10"	7'-0"	2		F	WD	3	HM	--	20 min				MAG HOLD OPEN	
1E-101A	LOBBY	14'-0"	7'-8"	4		P	ALUM	--	ALUM	--	--	34	--	--	BI-PART SLIDING WITH CARD READER	
1E-101B	LOBBY	4'-0"	7'-0"	1		F	HM	1	HM	--	--	02	--	--	CARD READER, STOREFRONT	
1E-101C	LOBBY	3'-6"	7'-0"	1		F	WD	1	HM	--	--	14	--	--	CARD READER, AUTO OPENER	
1E-102A	WAITING	4'-0"	7'-0"	1		F	WD	1	HM	--	--	14			CARD READER, AUTO OPENER	
1E-102B	WAITING	4'-0"	7'-0"	1		F	WD	1	HM	--	90 min	14			CARD READER, BOTH SIDES	
1E-104	JAN	3'-0"	7'-0"	1		F	WD	1	HM	--	--	13	--	--	CARD READER	
1E-105A	ADMIT #4	3'-0"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; WITH PRIVACY LOCK	
1E-105B	ADMIT #4	3'-0"	7'-0"					nnn	WD			35			CASED OPENING - NO DOOR	
1E-106A	ADMIT #3	3'-0"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; WITH PRIVACY LOCK	
1E-106B	ADMIT #3	3'-0"	7'-0"					nnn	WD			35			CASED OPENING - NO DOOR	
1E-108A	ADMIT #2	3'-0"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; WITH PRIVACY LOCK	
1E-108B	ADMIT #2	3'-0"	7'-0"					nnn	HM			35			CASED OPENING - NO DOOR	
1E-109A	ADMIT #1	3'-0"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; WITH PRIVACY LOCK	
1E-109B	ADMIT #1	3'-0"	7'-0"					nnn	WD			35			CASED OPENING - NO DOOR	
1E-110	CREDENTIAL MANAGER OFFICE	3'-0"	7'-0"	1		F	WD	1	HM	--	--	22	--	--	HOSPITAL PRIVACY LOCK	
1E-111	STAFF TOILET	3'-0"	7'-0"	1		F	WD	1	HM	--	--	25	--	--	HOSPITAL PRIVACY LOCK	
1E-112	ADMIN	3'-0"	7'-0"	1		F	WD	1	HM	--	--	22	--	--		
1E-113	BUS. OFFICE MGR.	3'-0"	7'-0"	1		F	WD	1	HM	--	--	22	--	--		
1E-114	CORRIDOR	3'-0"	7'-0"					nnn	WD			35			CASED OPENING - NO DOOR	
1E-115	CONFERENCE	3'-0"	7'-0"	1		F	WD	1	HM	--	--	20	--	--		
1E-116	PAT TLT	3'-6"	7'-0"	1		F	WD	1	HM	--	--	24			HOSPITAL PRIVACY LOCK	
1E-117	PAT TLT	3'-6"	7'-0"	1		F	WD	1	HM	--	--	24			HOSPITAL PRIVACY LOCK	
1E-118	GI STORAGE/SMALL BREAK	3'-0"	7'-0"	1		F	WD	1	HM	--	--	18	--	--		
1E-119	PAT TLT	3'-6"	7'-0"	1		F	WD	1	HM	--	--	25			HOSPITAL PRIVACY LOCK	
1E-121	PAT TLT	3'-6"	7'-0"	1		F	WD	1	HM	--	--	25	--	--	HOSPITAL PRIVACY LOCK	
1E-142	PAT TLT	3'-6"	7'-0"	1		F	WD	1	HM	--	--	25			HOSPITAL PRIVACY LOCK	
1E-143	MED ROOM	3'-0"	7'-0"	1		F	WD	1	HM	--	--	13	--	--	CARD READER	
1E-144	GI CLINICAL COORDINATOR OFFICE	3'-0"	7'-0"	1		F	WD	1	HM	--	--	22	--	--	HOSPITAL PRIVACY LOCK	
1E-145A	GI PROCEDURE	4'-0"	7'-0"	1		F	WD	1	HM	--	20 min	27			AUTO OPENER	3
1E-145B	GI PROCEDURE	3'-0"	7'-0"	1		N	HM	1	HM	--	--		--	--		
1E-146A	GI PROCEDURE	4'-0"	7'-0"	1		F	WD	1	HM	--	20 min	27			AUTO OPENER	3
1E-146B	GI PROCEDURE	3'-0"	7'-0"	1		N	HM	1	HM	--	--		--	--		
1E-147A	GI PROCEDURE	4'-0"	7'-0"	1		F	WD	1	HM	--	20 min	27			AUTO OPENER	3
1E-147B	GI PROCEDURE	3'-0"	7'-0"	1		N	HM	1	HM	--	--		--	--		
1E-148A	GI PROCEDURE -BRONCHOSCOPY	4'-0"	7'-0"	1		F	WD	1	HM	--	20 min	27			AUTO OPENER	3
1E-148B	GI PROCEDURE -BRONCHOSCOPY	3'-0"	7'-0"	1		N	HM	1	HM	--	--		--	--		
1E-149	PROCEDURE	3'-0"	7'-0"	1		N	WD	1	HM	--	--	26			AUTO OPENER	
1E-150	BUSINESS OFFICE (FUTURE PROCEDURE)	3'-0"	7'-0"	1		F	WD	1	HM	--	--	22	--	--	CARD READER	
1E-151	PROCEDURE	4'-0"	7'-0"	1		N	WD	1	HM	--	--	26			AUTO OPENER	
1E-152	MATERIALS MANAGER	3'-0"	7'-0"	1		F	WD	1	HM	--	45 min	22	--	--	HOSPITAL PRIVACY LOCK	
1E-153A	VENDOR ENTRANCE	4'-0"	7'-0"	1		F	WD	1	HM	--	45 min	13			CARD READER	
1E-153B	BULK STORAGE	4'-0"	7'-0"	1		F	WD	1	HM	--	45 min	13			CARD READER	
1E-154A	INSTRUMENT PROCESSING	4'-0"	7'-0"	1		F	WD	1	HM	--	--	17	--	--	CARD READER	
1E-154B	SCOPE STORAGE	3'-6"	7'-0"	1		F	WD	1	HM	--	45 min					
1E-155	SCOPE STORAGE	4'-0"	7'-0"	1		F	WD	1	HM	--	45 min	13	--	--	CARD READER	
1E-156	RESOURCE ROOM	4'-0"	7'-0"	1		F	WD	1	HM	--	45 min				CARD READER	
1E-162	ELEC	3'-0"	7'-0"	2		F	WD	2	HM	--	--					
1E-163	PRE/POST CLINICAL COORDINATOR OFFICE	3'-0"	7'-0"	1		F	WD	1	ETR	--	--	22	--	--	HOSPITAL PRIVACY LOCK, PAINT FRAME TO MATCH EXISTING STANDARD.	
1E-164	PAT TLT	3'-0"	7'-0"	1		F	WD	1	ETR	--	--	25	--	--	HOSPITAL PRIVACY LOCK, PAINT FRAME TO MATCH EXISTING STANDARD.	
1E-167	PAT TLT	3'-0"	7'-0"	1		F	WD	1	ETR	--	--	25	--	--	HOSPITAL PRIVACY LOCK, PAINT FRAME TO MATCH EXISTING STANDARD.	
1E-168	NURSE NAVIGATOR OFFICE	3'-0"	7'-0"	1		F	WD	1	ETR	--	--	22	--	--	HOSPITAL PRIVACY LOCK, PAINT FRAME TO MATCH EXISTING STANDARD.	
1E-169	OR CLEAN	3'-6"	7'-0"	1		F	WD	1	ETR	--	45 min	13			CARD READER, PAINT FRAME TO MATCH EXISTING STANDARD.	
1E-170	JAN	3'-0"	7'-0"	1		F	WD	1	ETR	--	--	13	--	--	CARD READER, PAINT FRAME TO MATCH EXISTING STANDARD.	
1E-171	DATA	3'-0"	7'-0"	1		F	WD	1	ETR	--	--	14	--	--	CARD READER, PAINT FRAME TO MATCH EXISTING STANDARD.	
1E-172A	MEDICAL DIRECTOR OFFICE	3'-0"	7'-0"	1		F	WD	1	ETR	--	20 min	22	--	--	HOSPITAL PRIVACY LOCK, PAINT FRAME TO MATCH EXISTING STANDARD.	
1E-172B	MEDICAL DIRECTOR OFFICE	3'-0"	7'-0"	1		F	WD	1	HM	--	--		--	--		
1E-173	PRE/POST OR (PEDS)	8'-0"	7'-5 3/4"	3		R	ALUM	--		--	--	33	--	--	MANUAL TELESCOPING SLIDER	
1E-174	PRE/POST OR (PEDS)	8'-0"	7'-5 3/4"	3		R	ALUM	--		--	--	33	--	--	MANUAL TELESCOPING SLIDER	
1E-176	MEDS	3'-0"	7'-0"	1		F	WD	1	HM	--	--	14	--	--	CARD READER	
1E-182	SOILED ROOM	3'-6"	7'-0"	1		F	WD	1	HM	--	45 min				CARD READER	
1E-183A	IT OFFICE	3'-0"	7'-0"	1		F	WD	1	HM	--	90 min	13	--	--	CARD READER	
1E-183B	IT OFFICE	4'-0"	7'-0"	2		F	WD	2	HM	--	--					
1E-184	DATA	3'-0"	7'-0"	1		F	WD	1	HM	--	--		--	--	CARD READER	
1E-200A.1	CORRIDOR	3'-10"	7'-0"	2		F	WD	2	ETR	--	90 min	05			CARD READER, PAINT FRAME TO MATCH EXISTING STANDARD.	
1E-200A.2	STERILE CORRIDOR	3'-10"	7'-0"	2		F	WD	3	HM	--	20 min	08			CARD READER	3
1E-200C.1	CORRIDOR	3'-10"	7'-0"	2		F	WD	3	HM	--	--	06			CARD READER	
1E-200F	CORRIDOR	3'-0"	7'-0"	1		F	WD	1	ETR	--	90 min	14	--	--	CARD READER, PAINT FRAME TO MATCH EXISTING STANDARD.	
1E-200G.1	STERILE CORRIDOR	4'-0"	7'-0"	1		F	WD	1	HM	--	20 min	11	--	--	CARD READER ON PULL, WAVE TO OPEN ON WITH AUTO OPENER	3
1E-204	23-HR	8'-0"	7'-5 3/4"	3		R	ALUM	--		--	--	33	--	--	MANUAL TELESCOPING SLIDER	
1E-204A	TLT	3'-6"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; HOSPITAL PRIVACY LOCK	
1E-205	23 HR	8'-0"	7'-5 3/4"	3		R	ALUM	--		--	--	33	--	--	MANUAL TELESCOPING SLIDER	
1E-205A	TLT	3'-6"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; HOSPITAL PRIVACY LOCK	
1E-206	23-HR	8'-0"	7'-5.3/4"	3		R	ALUM	--		--	--	33	--	--	MANUAL TELESCOPING SLIDER	
1E-206A	TLT	3'-6"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; HOSPITAL PRIVACY LOCK	
1E-207	23-HR	8'-0"	7'-5 3/4"	3		R	ALUM	--		--	--	33	--	--	MANUAL TELESCOPING SLIDER	
1E-207A	TLT	3'-6"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; HOSPITAL PRIVACY LOCK	
1E-208	23-HR	8'-0"	7'-5 3/4"	3		R	ALUM	--		--	--	33	--	--	MANUAL TELESCOPING SLIDER	
1E-208A	TLT	3'-6"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; HOSPITAL PRIVACY LOCK	
1E-209	23-HR	8'-0"	7'-5 3/4"	3		R	ALUM	--		--	--	33	--	--	MANUAL TELESCOPING SLIDER	
1E-209A	TLT	3'-6"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; HOSPITAL PRIVACY LOCK	
1E-210	DON	3'-0"	7'-0"	1		F	WD	1	ETR	--	--	22	--	--	HOSPITAL PRIVACY LOCK, PAINT FRAME TO MATCH EXISTING STANDARD.	
1E-212	SCHEDULING	3'-0"	7'-0"	1		F	WD	1	ETR	--	--	22	--	--	HOSPITAL PRIVACY LOCK, PAINT FRAME TO MATCH EXISTING STANDARD.	
1E-213	PRE CALL ANESTHESIA OFFICE	3'-0"	7'-0"	1		F	WD	1	ETR	--	--	22	--	--	HOSPITAL PRIVACY LOCK, PAINT FRAME TO MATCH EXISTING STANDARD.	
1E-214	BREAK/ CONFERENCE	3'-0"	7'-0"	1		F	WD	1	ETR	--	--	20	--	--	HOSPITAL PRIVACY LOCK, PAINT FRAME TO MATCH EXISTING STANDARD.	
1E-215	ELEC	3'-0"	7'-0"	1		F	WD	1	ETR	--	45 min	18	--	--	PAINT FRAME TO MATCH EXISTING STANDARD.	
1E-216A	WOMEN'S TOILET	3'-0"	7'-0"	1		F	WD	1	HM	--	--	25	--	--	HOSPITAL PRIVACY LOCK	
1E-216B	WOMEN'S TOILET	3'-0"	7'-0"	1		F	WD	1	ETR	--	--	25	--	--	HOSPITAL PRIVACY LOCK, PAINT FRAME TO MATCH EXISTING STANDARD.	
1E-216C	WOMEN'S LOCKER (50 DOUBLE LOCKERS)	3'-0"	7'-0"	1		F	WD	1	HM	--	--	14	--	--		
1E-216D	WOMEN'S LOCKER (50 DOUBLE LOCKERS)	3'-0"	7'-0"	1		F	WD	1	ETR	--	20 min	14	--	--	CARD READER, PAINT FRAME TO MATCH EXISTING STANDARD.	3
1E-217	DATA	3'-0"	7'-0"	1		F	WD	1	ETR	--	--	14	--	--	CARD READER, PAINT FRAME TO MATCH EXISTING STANDARD.	
1E-218A	MEN'S TOILET	3'-0"	7'-0"	1		F	WD	1	ETR	--	--	25	--	--	HOSPITAL PRIVACY LOCK, PAINT FRAME TO MATCH EXISTING STANDARD.	
1E-218B	MEN'S TOILET	3'-0"	7'-0"	1		F	WD	1	ETR	--	--	25	--	--	HOSPITAL PRIVACY LOCK, PAINT FRAME TO MATCH EXISTING STANDARD.	
1E-218C	MEN'S LOCKER (28 DOUBLE LOCKERS)	3'-0"	7'-0"	1		F	WD	1	HM	--	--	14	--	--	CARD READER, PAINT FRAME TO MATCH EXISTING STANDARD.	
1E-218D	MEN'S LOCKER (28 DOUBLE LOCKERS)	3'-0"	7'-0"	1		F	WD	1	ETR	--	20 min	14	--	--	CARD READER, PAINT FRAME TO MATCH EXISTING STANDARD.	3
1E-219	STAFF SUPPORT / LOUNGE	3'-0"	7'-0"	1		F	WD	1	HM	--	--	20	--	--		
1E-220	STAFF TLT	3'-0"	7'-0"	1		F	WD	1	HM	--	--	25	--	--	HOSPITAL PRIVACY LOCK	
1E-221	STAFF TLT	3'-0"	7'-0"	1		F	WD	1	ETR	--	--	25	--	--	HOSPITAL PRIVACY LOCK, PAINT FRAME TO MATCH EXISTING STANDARD.	
1E-222	BUILDING SUPPORT	3'-0"	7'-0"	1		F	WD	1	HM	--	45 min	13	--	--	CARD READER	
1E-223	JAN	3'-0"	7'-0"	1		F	WD	1	HM	--	--	13	--	--	CARD READER	
1E-224	TLT	3'-6"	7'-0"	1		F	WD	1	HM	--	--	25	--	--	HOSPITAL PRIVACY LOCK	
1E-226	DOCTOR DICTATION ALCOVE	3'-0"	7'-0"	1		F	WD	1	HM	--	--	13	--	--	CARD READER	
1E-227	OR	4'-0"	7'-0"	1		N	WD	1	HM	--	--	29			AUTO OPENER	
1E-228A	STERILE CORRIDOR	3'-0"	7'-0"	1		N	WD	1	HM	--	--	29				
1E-228B	SUBSTERILE	3'-0"	7'-0"	1		N	WD	--	HM	--	--	31	--	--	DOUBLE-ACTING	
1E-228C	SUBSTERILE	3'-0"	7'-0"	1		N	WD	--	HM	--	--	31	--	--	DOUBLE-ACTING	
1E-229	OR (LARGE)	4'-0"	7'-0"	1		N	WD	1	HM	--	--	29			AUTO OPENER	
1E-230A	SUBSTERILE (SM)	3'-0"	7'-0"	1		N	WD	--	HM	--	--		--	--	DOUBLE-ACTING	
1E-230B	SUBSTERILE (SM)	3'-0"	7'-0"	1		N	WD	--	HM	--	--		--	--	DOUBLE-ACTING	
1E-231	OR	4'-0"	7'-0"	1		N	WD	1	HM	--	--	29			AUTO OPENER	
1E-233	AHU	4'-0"	7'-0"	2		F	HM	2	HM	--	--					
1E-300A.1	STERILE CORRIDOR	3'-10"	7'-0"	2		F	WD	3	HM	--	20 min	05			CARD READER	
1E-300A.2	CORRIDOR	4'-0"	7'-0"	1		F	WD	1	HM	--	45 min					
1E-301A	SUBSTERILE	3'-0"	7'-0"	1		N	WD	1	ETR	--	--	30			PAINT FRAME TO MATCH EXISTING STANDARD.	
1E-302	EXISTING OR	4'-0"	7'-0"	1		N	WD	1	ETR	--	--	29			PAINT FRAME TO MATCH EXISTING STANDARD. AUTO OPENER.	
1E-303	DECONTAMINATION	4'-0"	7'-0"	1		F	WD	1	HM	--	--	29			WAVE TO OPEN	
1E-304A	EXISTING OR	4'-0"	7'-0"	1		N	WD	1	ETR	--	--	29			PAINT FRAME TO MATCH EXISTING STANDARD. AUTO OPENER.	
1E-305A	SUBSTERILE	3'-0"	7'-0"	1		N	WD	1	ETR	--	--	30			PAINT FRAME TO MATCH EXISTING STANDARD.	
1E-306A	EXISTING OR	4'-0"	7'-0"	1		N	WD	1	ETR	--	--	29			PAINT FRAME TO MATCH EXISTING STANDARD. AUTO OPENER.	
1E-307A	EXISTING OR	4'-0"	7'-0"	1		N	WD	1	ETR	--	--	29			PAINT FRAME TO MATCH EXISTING STANDARD. AUTO OPENER.	
1E-308A	SUBSTERILE	3'-0"	7'-0"	1		N	WD	1	ETR	--	--	30	--	--	PAINT FRAME TO MATCH EXISTING STANDARD.	
1E-309A	EXISTING OR	4'-0"	7'-0"	1		N	WD	1	ETR	--	--	29			PAINT FRAME TO MATCH EXISTING STANDARD. AUTO OPENER.	
1E-310	SPECIMEN PICKUP	3'-0"	7'-0"	1		F	WD	1	HM	--	--	20	--	--		
1E-311	OR MANAGER OFFICE	3'-0"	7'-0"	1		F	WD	1	ETR	--	--	22	--	--	PAINT FRAME TO MATCH EXISTING STANDARD.	
1E-314	CORRIDOR	3'-0"	7'-0"	1		F	WD	1	ETR	--	45 min	13	--	--	CARD READER, PAINT FRAME TO MATCH EXISTING STANDARD.	
1E-315A	STERILE PROCESSING	4'-0"	7'-0"	1		N	WD	1	ETR	--	45 min	15			CARD READER, PAINT FRAME TO MATCH EXISTING STANDARD.	
1E-315A.1	STERILIZERS	2'-8"	7'-0"	1		F	WD	1	HM	--	--					
1E-317A		4'-0"	7'-0"	1		F	WD	1	ETR	--	45 min	15			NEW DOOR, PAINT FRAME TO MATCH EXISTING STANDARD.	
1E-501A	STAIR	4'-0"	7'-0"	1		N	HM	1	HM	--	--		--	--	CARD READER	
1E-501B	STAIR	4'-0"	7'-0"	1		F	WD	1	ETR	--	--		--	--	NEW DOOR, PAINT FRAME TO MATCH EXISTING STANDARD. CARD READER INSIDE STAIR ENCLOSURE, PANIC BUTTON ON PUSH SIDE.	
1E-502A	STAIR	3'-6"	7'-0"	1		F	WD	1	HM	--	90 min	10			CARD READER	
1E-502B	STAIR	3'-6"	7'-0"	1		F	HM	1	HM	--	90 min	03			CARD READER	
1E-503A	STAIR	4'-0"	7'-0"	1		ETR	WD	1	HM	--	90 min		--	--	CARD READER ON PULL, WAVE TO OPEN ON WITH AUTO OPENER	
1E-503B	STAIR	4'-0"	7'-0"	1		F	WD	1	HM	--	90 min		--	--	CARD READER	
1E-503C	STAIR	4'-0"	7'-0"	1		F	WD	1	HM	--	--		--	--	CARD READER ON PULL, WAVE TO OPEN ON WITH AUTO OPENER	

DOOR SCHEDULE - SECOND FLOOR

DOOR #	ROOM NAME	DOOR INFORMATION WIDTH	HEIGHT	NO. OF LEAVES	UNEQUAL LEAF WIDTH	FRAME INFORMATION ELEV.	MATL.	ELEV.	MATL.	GLAZING	LABEL (MIN)	OVT Hardware Set	OPENING DETAIL HEAD	JAMB	REMARKS	REV #
2E-101A	WAITING	3'-6"	7'-0"	1		F	WD	1	HM	--	--	14			AUTO OPENER, CARD READER	
2E-101B	WAITING	3'-6"	7'-0"	1		F	WD	1	HM	--	--	14			AUTO OPENER, CARD READER	
2E-102	PAT TLT	3'-6"	7'-0"	1		F	WD	1	HM	--	--	25	--	--	HOSPITAL PRIVACY LOCK	
2E-103	PAT TLT	3'-6"	7'-0"	1		F	WD	1	HM	--	--	25	--	--	HOSPITAL PRIVACY LOCK	
2E-104	PAT TLT	3'-6"	7'-0"	1		F	WD	1	HM	--	--	25	--	--	HOSPITAL PRIVACY LOCK	
2E-107	CHECK OUT / SCHEDULERS	3'-0"	7'-0"	1		F	WD	1	HM	--	--	16	--	--	CARD READER	
2E-108	FILES	3'-0"	7'-0"	1		F	WD	1	HM	--	--	22	--	--	HOSPITAL PRIVACY LOCK WITH CARD READER	
2E-109	FRONT DESK MANAGER	3'-0"	7'-0"	1		F	WD	1	HM	--	--	22	--	--		
2E-110	IT CLOSET	3'-0"	7'-0"	1		F	WD	1	HM	--	--	14	--	--	CARD READER	
2E-111	CHECK OUT / SCHEDULERS	3'-0"	7'-0"	1		F	WD	1	HM	--	--	14	--	--	CARD READER	
2E-112	FINANCIAL MANAGER	3'-6"	7'-0"	1		F	WD	1	HM	--	--	22				
2E-113A	X-RAY SM	4'-0"	7'-0"	1		F	WD	1	HM	--	20 min	28			1/16" LEAD LINED, NO LOCKS	
2E-113B	CORRIDOR	3'-0"	7'-0"					nnn	HM			35			CASED OPENING - NO DOOR	
2E-114A	CORRIDOR	3'-6"	7'-0"	1		F	WD	1	HM	--	20 min	14			CARD READER	
2E-114B	CORRIDOR	3'-6"	7'-0"	1		F	WD	1	HM	--	--	14			CARD READER	
2E-115A	X-RAY SAMSUNG	4'-0"	7'-0"	1		F	WD	1	HM	--	--	28			1/16" LEAD LINED, NO LOCKS	
2E-115B	CORRIDOR	3'-0"	7'-0"					nnn	HM			35			CASED OPENING - NO DOOR	
2E-116A	X-RAY GE	4'-0"	7'-0"	1		F	WD	1	HM	--	--	28			1/16" LEAD LINED, NO LOCKS	
2E-116B	CORRIDOR	3'-0"	7'-0"					nnn	HM			35			CASED OPENING - NO DOOR	
2E-117A	X-RAY GE	4'-0"	7'-0"	1		F	WD	1	HM	--	--	28			1/16" LEAD LINED, NO LOCKS	
2E-117B	CORRIDOR	3'-0"	7'-0"					nnn	HM			35			CASED OPENING - NO DOOR	
2E-118A	X-RAY SAMSUNG	4'-0"	7'-0"	1		F	WD	1	HM	--	--	28			1/16" LEAD LINED, NO LOCKS	
2E-118B	CORRIDOR	3'-0"	7'-0"					nnn	HM			35			CASED OPENING - NO DOOR	
2E-119	OPERATION MANAGER	4'-0"	7'-0"	1		F	WD	1	HM	--	--	22	--	--		
2E-120	STAFF TLT	3'-0"	7'-0"	1		F	WD	1	HM	--	--	25	--	--	HOSPITAL PRIVACY LOCK	
2E-121	DME WORK	3'-0"	7'-0"	1		F	WD	1	HM	--	--	14	--	--	CARD READER	
2E-200A	CORRIDOR	3'-0"	7'-0"	2		F	WD	3	HM	--	20 min				MAG HOLD OPEN	
2E-200F	CORRIDOR	3'-0"	7'-0"	1		F	WD	1	HM	--	20 min	16			CARD READER	
2E-200G	CORRIDOR	3'-0"	7'-0"	1		F	WD	1	HM	--	--	14	--	--	CARD READER	
2E-200H	CORRIDOR	3'-0"	7'-0"					nnn	HM			35			CASED OPENING - NO DOOR	
2E-200I	CORRIDOR	3'-0"	7'-0"	1		F	WD	1	HM	--	--	14			CARD READER	
2E-201	EXAM #1	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
2E-202	EXAM #2	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
2E-203	EXAM #3	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
2E-204	EXAM #4	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
2E-205	EXAM #5	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
2E-207	PROVIDER OFFICE	3'-0"	7'-0"	1		F	WD	1	HM	--	--	22	--	--	HOSPITAL PRIVACY LOCK	
2E-208	PROVIDER OF

RELEASED FOR CONSTRUCTION
As noted on Building Services Department
Lee's Summit, Missouri
01/16/2024

DOOR SCHEDULE - FOURTH FLOOR

DOOR #	ROOM NAME	DOOR INFORMATION					FRAME INFORMATION			GLAZING	LABEL (MIN)	OVT Hardware Set	OPENING DETAIL		REMARKS	REV #
		WIDTH	HEIGHT	NO. OF LEAVES	UNEQUAL LEAF WIDTH	ELEV.	MATL.	ELEV.	MATL.				HEAD	JAMB		
4E-S02	STAIR	3'-6"	7'-0"	1		F	HM	1	HM	--	90 min	02D	A2/A215		ROOF ACCESS DOOR	2

DOOR SCHEDULE - THIRD FLOOR

2

DOOR #	ROOM NAME	DOOR INFORMATION					FRAME INFORMATION			GLAZING	LABEL (MIN)	OVT Hardware Set	OPENING DETAIL		REMARKS	REV #
		WIDTH	HEIGHT	NO. OF LEAVES	UNEQUAL LEAF WIDTH	ELEV.	MATL.	ELEV.	MATL.				HEAD	JAMB		
3E-101A	THIRD FLOOR WAITING	3'-6"	7'-0"	1		F	WD	1	HM	--	20 min	14			AUTO OPENER, CARD READER	
3E-101B	THIRD FLOOR WAITING	3'-6"	7'-0"	1		F	WD	1	HM	--	20 min	14			AUTO OPENER, CARD READER	
3E-101C	THIRD FLOOR WAITING	3'-6"	7'-0"	1		F	WD	1	HM	--	--	14	--	--	AUTO OPENER, CARD READER	
3E-101D	THIRD FLOOR WAITING	3'-6"	7'-0"	1		F	WD	1	HM	--	--	14			AUTO OPENER, CARD READER	
3E-102	PAT TLT	3'-6"	7'-0"	1		F	WD	1	HM	--	--	25			HOSPITAL PRIVACY LOCK	
3E-103	PAT TLT	3'-6"	7'-0"	1		F	WD	1	HM	--	--	25			HOSPITAL PRIVACY LOCK	
3E-104	PAT TLT	3'-6"	7'-0"	1		F	WD	1	HM	--	--	25			HOSPITAL PRIVACY LOCK	
3E-200A	CORRIDOR	3'-0"	7'-0"	1		F	WD	1	HM	--	20 min	20			CARD READER ON BOTH SIDES	
3E-200J	CORRIDOR	3'-0"	7'-0"	1		F	WD	1	HM	--	20 min	20			CARD READER ON BOTH SIDES	
3E-201	CONSULT	3'-0"	7'-0"	1		F	WD	1	HM	--	--	26	--	--		2
3E-202	APP OFFICE	3'-0"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; WITH PRIVACY LOCK	
3E-203	CHECK-OUT	3'-0"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; WITH PRIVACY LOCK	2
3E-204	GEN/PLAS STORAGE	3'-0"	7'-0"	1		F	WD	1	HM	--	45 min	13	--	--	CARD READER	2
3E-205	GEN/PLAS EXAM 1	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26	--	--		2
3E-206	GEN/PLAS EXAM 2	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26	--	--		2
3E-207A	ELEC.	3'-0"	7'-0"	1		F	WD	1	HM	--	--	14	--	--	CARD READER	2
3E-207B	IT	3'-0"	7'-0"	1		F	WD	1	HM	--	--	14	--	--	CARD READER	
3E-208	CONFERENCE	3'-0"	7'-0"	1		F	WD	1	HM	--	--	20	--	--	CARD READER	
3E-209	PAT TLT	3'-6"	7'-0"	1		F	WD	1	HM	--	--	24			HOSPITAL PRIVACY LOCK	
3E-210	ENT TREATMENT	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-211	ENT TREATMENT	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-212	ENT/PULM STORAGE	3'-6"	7'-0"	1		F	WD	1	HM	--	45 min	13			CARD READER	2
3E-213	PULM EXAM 1	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-214	PULM EXAM 2	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-215	PLASTIC SURGERY PROCEDURE	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-216	GEN/PLAS EXAM 12	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-217	GEN/PLAS EXAM 13	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-218	GEN/PLAS EXAM 14	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-219	GEN/PLAS EXAM 9	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-220	GEN/PLAS EXAM 10	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-221	GEN/PLAS EXAM 11	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-222	GENERAL SURGERY PROCEDURE	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-223	GEN/PLAS EXAM 6	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-224	GEN/PLAS EXAM 7	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-225	GEN/PLAS EXAM 8	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-226	GEN/PLAS EXAM 3	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26	--	--		
3E-227	GEN/PLAS EXAM 4	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-228	GEN/PLAS EXAM 5	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-229	PAT TLT	3'-6"	7'-0"	1		F	WD	1	HM	--	--	25			HOSPITAL PRIVACY LOCK	
3E-230	GEN/PLASTIC PROVIDER 1	3'-0"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; WITH PRIVACY LOCK	
3E-232	GEN/PLASTIC SURG. PROVIDER 2	3'-0"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; WITH PRIVACY LOCK	
3E-234	GEN/PLASTIC SURG. PROVIDER 3	3'-0"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; WITH PRIVACY LOCK	
3E-236	PULMONARY TEAM CENTER	3'-0"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.		2
3E-237	PROVIDER OFFICE	3'-0"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; WITH PRIVACY LOCK	2
3E-238	PROVIDER OFFICE	3'-0"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; WITH PRIVACY LOCK	2
3E-239	PROVIDER OFFICE	3'-0"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; WITH PRIVACY LOCK	2
3E-240	PULM EXAM 3	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26	--	--		
3E-241	PULM EXAM 4	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26	--	--		
3E-242	PULM EXAM 5	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26	--	--		
3E-243	PULM EXAM 6	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26	--	--		
3E-244	PULM EXAM 7	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26	--	--		
3E-245	PULM EXAM 8	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26	--	--		
3E-246	ENT EXAM 1	3'-0"	7'-0"	1		F	WD	1	HM	--	--	26	--	--		
3E-247	ENT EXAM 2	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26	--	--		
3E-248	ENT EXAM 3	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26	--	--		
3E-249	ENT EXAM 4	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26	--	--		
3E-250	ENT EXAM 5	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26	--	--		
3E-251	ENT EXAM 6	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26	--	--		
3E-253	DECONTAM.	3'-6"	7'-0"	1		F	WD	1	HM	--	45 min	13	--	--	CARD READER	
3E-254	CLEAN	3'-6"	7'-0"	1		F	WD	1	HM	--	45 min	13	--	--	CARD READER	
3E-255	JANITOR	2'-8"	7'-0"	1		F	WD	1	HM	--	45 min	13			CARD READER	2
3E-256	STAFF LOUNGE	3'-0"	7'-0"	1		F	WD	1	HM	--	--	20	--	--	CARD READER	
3E-257	STAFF TLT	3'-0"	7'-0"	1		F	WD	1	HM	--	--	25	--	--	HOSPITAL PRIVACY LOCK	
3E-258	ENT AUDIOLOGY	3'-6"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER	2
3E-260	ENT PROVIDER OFFICE	3'-0"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; WITH PRIVACY LOCK	
3E-261	NURSE OFFICE/ FLEX	3'-6"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; WITH PRIVACY LOCK	
3E-263	PROVIDER OFFICE	3'-0"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; WITH PRIVACY LOCK	
3E-264	PROVIDER OFFICE	3'-0"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; WITH PRIVACY LOCK	2
3E-265	PULM PFT/SPIRO #1	3'-6"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER	
3E-266	PULM PFT/SPIRO #2	3'-6"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER	
3E-300B	CORRIDOR	3'-6"	7'-0"	1		F	HM	1	HM	--	--	02B			CARD READER, ROOF ACCESS ONLY	
3E-302	LAB	3'-6"	7'-0"	1		F	WD	1	HM	--	45 min	26	--	--	CARD READER	
3E-303	PAT TLT	3'-6"	7'-0"	1		F	WD	1	HM	--	45 min	25			HOSPITAL PRIVACY LOCK	
3E-304	SCHEDULING (3-4)	3'-0"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; WITH PRIVACY LOCK	
3E-305	PROVIDER 1/2	3'-0"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; WITH PRIVACY LOCK	
3E-307	PROVIDER 3/4	3'-0"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; WITH PRIVACY LOCK	
3E-308	CNIM (MGR. & LEAD)	3'-0"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; WITH PRIVACY LOCK	
3E-309	APP (4)	3'-0"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; WITH PRIVACY LOCK	
3E-310	PROVIDER 5/6	3'-0"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; WITH PRIVACY LOCK	
3E-312	PROVIDER 7/8	3'-0"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; WITH PRIVACY LOCK	
3E-313	TRIAGE OFFICE	3'-0"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; WITH PRIVACY LOCK	
3E-314	WOMEN'S EXAM 23	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-315	WOMEN'S EXAM 24	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-316	WOMEN'S EXAM 25	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-317	WOMEN'S EXAM 26	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-318	WOMEN'S EXAM 27	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-319A	ELEC	3'-0"	7'-0"	2		F	WD	2	HM	--	--	19				
3E-319B	ELEC	3'-0"	7'-0"	2		F	WD	2	HM	--	--	19				
3E-319C	ELEC	3'-0"	7'-0"	2		F	WD	2	HM	--	--	19				
3E-320	PROCEDURE 2	3'-6"	7'-0"	1		F	WD	1	HM	--	--	18				
3E-321	PROCEDURE 1	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26A				
3E-322	SOILED HOLD	3'-6"	7'-0"	1		F	WD	1	HM	--	45 min	13			CARD READER	2
3E-323	ULTRASOUND 3	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-324	ULTRASOUND 2	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-325	PAT TLT	3'-6"	7'-0"	1		F	WD	1	HM	--	20 min	24			HOSPITAL PRIVACY LOCK	
3E-326	ULTRASOUND 1	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-327	CHECK OUT (2 MOS)	3'-0"	7'-0"	1		BD2	WD		HM		--	32	8/A4.1 SIM.	2 & 3/A4 SIM.	AD BARN DOOR SLIDER; WITH PRIVACY LOCK	2
3E-329	PM OFFICE	3'-0"	7'-0"	1		F	WD	1	HM	--	--	22	--	--		
3E-330	CONSULT / EDUCATION	3'-0"	7'-0"	1		F	WD	1	HM	--	--	22	--	--		
3E-331	WOMEN'S EXAM 3	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-332	WOMEN'S EXAM 2	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-333	WOMEN'S EXAM 1	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-335	PAT TLT	3'-6"	7'-0"	1		F	WD	1	HM	--	--	24			HOSPITAL PRIVACY LOCK	
3E-336	WOMEN'S EXAM 4	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-337	WOMEN'S EXAM 5	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-339	WOMEN'S EXAM 8	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-340	WOMEN'S EXAM 7	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-341	WOMEN'S EXAM 6	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-343	PAT TLT	3'-6"	7'-0"	1		F	WD	1	HM	--	--	24			HOSPITAL PRIVACY LOCK	
3E-344	WOMEN'S EXAM 9	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-345	WOMEN'S EXAM 10	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-347	WOMEN'S EXAM 13	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-348	WOMEN'S EXAM 12	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-349	WOMEN'S EXAM 11	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-351	PAT TLT	3'-6"	7'-0"	1		F	WD	1	HM	--	--	24			HOSPITAL PRIVACY LOCK	
3E-352	CLEAN	3'-6"	7'-0"	1		F	WD	1	HM	--	45 min	13			CARD READER	
3E-353	SOILED	3'-6"	7'-0"	1		F	WD	1	HM	--	45 min	13			CARD READER	
3E-354	STORAGE	2'-8"	7'-0"	1		F	WD	1	HM	--	20 min	14			CARD READER	2
3E-356	WOMEN'S EXAM 16	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-357	WOMEN'S EXAM 15	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-358	WOMEN'S EXAM 14	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-359	STAFF TLT	3'-6"	7'-0"	1		F	WD	1	HM	--	--	24			HOSPITAL PRIVACY LOCK	
3E-360	STORAGE	3'-6"	7'-0"	1		F	WD	1	HM	--	45 min	13			CARD READER	2
3E-361	PAT TLT	3'-6"	7'-0"	1		F	WD	1	HM	--	--	24			HOSPITAL PRIVACY LOCK	
3E-362	WOMEN'S EXAM 19	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-363	WOMEN'S EXAM 18	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-364	WOMEN'S EXAM 17	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-365	WOMEN'S EXAM 20	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-366	WOMEN'S EXAM 21	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-367	WOMEN'S EXAM 22	3'-6"	7'-0"	1		F	WD	1	HM	--	--	26				
3E-S01	STAIR	4'-0"	7'-0"	1		F	WD	1	HM	--	90 min	10			CARD READER	2
3E-S02	STAIR	3'-6"	7'-0"	1		F	WD	1	HM	--	90 min	10			CARD READER	

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
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BHC
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Overland Park, KS 66210
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Kansas City, MO 64108
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EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

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THIRD FLOOR AND FOURTH FLOOR OPENING SCHEDULE

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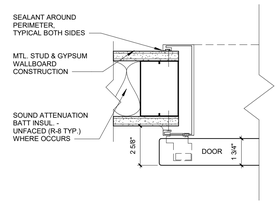
DOOR AND HARDWARE NOTES

1. DOOR OPENING DEVICES SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST. DOOR KNOBS ARE PROHIBITED.
2. ALL MEANS OF EGRESS DOORS SHALL BE READILY OPENABLE FROM THE SIDE FROM WHICH EGRESS IS TO BE MADE WITHOUT THE USE OF SPECIAL TOOLS, A KEY, SPECIAL KNOWLEDGE OR EFFORT. DOUBLE KEYED DEAD BOLTS ARE PROHIBITED.
3. PROVIDE HARDWARE INCLUDING, BUT NOT LIMITED TO THAT SHOWN IN THE HARDWARE GROUPS FOR THE NORMAL OPERATION AND USE OF EACH DOOR. MAKE RECOMMENDATIONS FOR ADDITIONAL ITEMS IN HARDWARE SUBMITTAL AS REQUIRED.
4. ALL HARDWARE SHALL BE IN COMPLIANCE WITH ADA GUIDELINES AND NATIONAL BUILDERS HARDWARE ASSOCIATION STANDARDS.
5. HARDWARE TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
6. HARDWARE (RECOMMENDED MANUFACTURER'S OR APPROVED EQUAL); FINISH TO BE 626 UNLESS NOTED OTHERWISE (NOTE: VERIFY WITH OWNER PRIOR TO ORDERING HARDWARE)
   - A: HINGES: HAGER, McKINNLEY, STANLEY, FULL MORTISE AT EXTERIOR DOORS
   - B: LEVER SET: BEST (7-PIN CYLINDER U.N.O)
   - C: LOCKS: BEST
   - D: CLOSERS: LCN, YALE, (FINISH TO MATCH)
   - E: STOPS AND HOLDERS: IVES, GLYNN-JOHNSON
   - F: PUSH/PULL/KICK PLATE: ROCKWOOD, BALDWIN, IVES
   - G: THRESHOLD: REESE, ZERO
   - H: PANIC DEVICES: SCHLAGE, DETEX, VON DUPRIN (AS REQUIRED BY CODE)
   - I: SEALS/ WEATHER-STRIPPING: ZERO, REESE
7. CONTRACTOR TO SUBMIT DOOR AND HARDWARE SHOP DRAWINGS TO OWNER FOR REVIEW PRIOR TO WORK BEING PERFORMED. FAILURE TO SUBMIT DRAWINGS RESULTS IN THE CONTRACTOR ASSUMING ALL RESPONSIBILITY AT THEIR OWN EXPENSE.
8. OWNER WILL SUPPLY PERMANENT CORES.

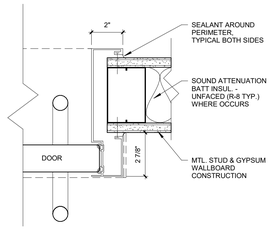
LOCKSETS ARE BEST 9K CYLINDRICAL LOCKS, 7-PIN, AB-FUNCTION OF HANDLE, 14-CURVE OPTION OF HANDLE, D-SIZE OF ROSE SURROUND, 33-STRIKE PACKAGE, AND 626 FINISH.

DOOR & FRAME MAT'L LEGEND	
ALUM	ALUMINUM
HM	HOLLOW METAL
WD	SOLID CORE WOOD
FRP	FIBER REINFORCED PANEL

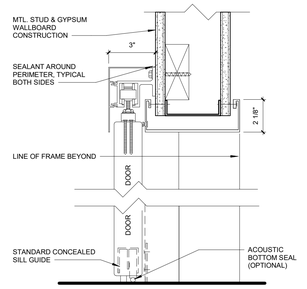
GLAZING LEGEND	
	VISION GLASS
	SPANDREL GLASS
T	TEMPERED SAFETY GLASS



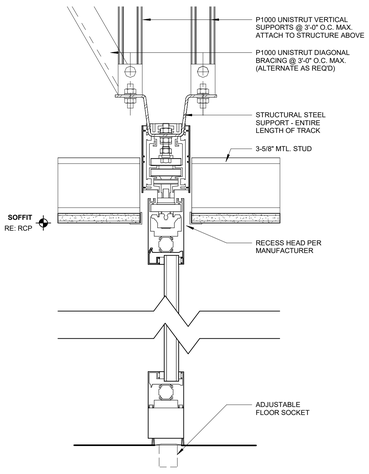
E3 SLIDING BARN DOOR - JAMB @ SILL GUIDE
3" = 1'-0"



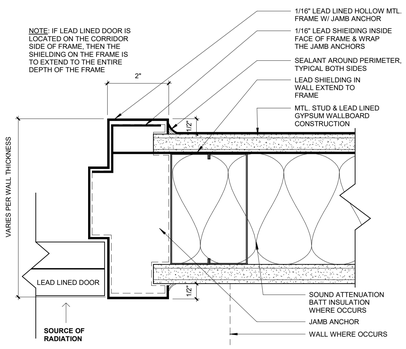
E2 SLIDING BARN DOOR - JAMB @ PULL SIDE
3" = 1'-0"



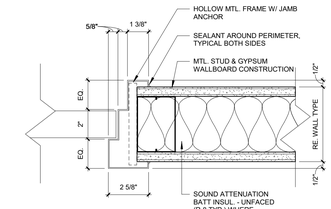
E1 SLIDING BARN DOOR - HEAD & SILL
3" = 1'-0"



C4 TELESCOPING DOOR HEAD & SILL DETAILS
3" = 1'-0"

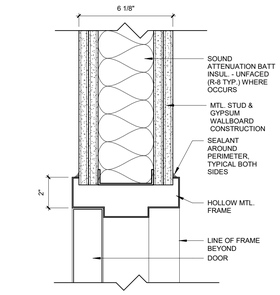


C3 LEAD-LINED H.M. DOOR FRAME JAMB / HEAD
6" = 1'-0"

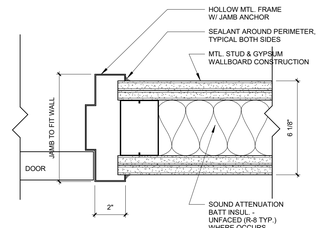


C2 JAMB - DOUBLE EGRESS FRAME
3" = 1'-0"

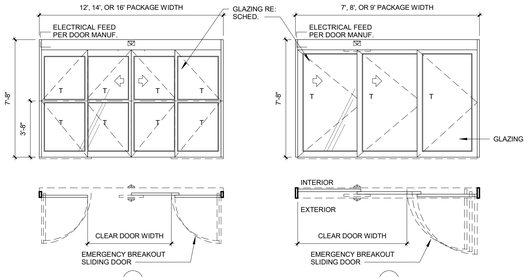
C1 JAMB - CASED OPENING-HEAD SIM.
3" = 1'-0"



D2 HEAD - 2 HR
3" = 1'-0"

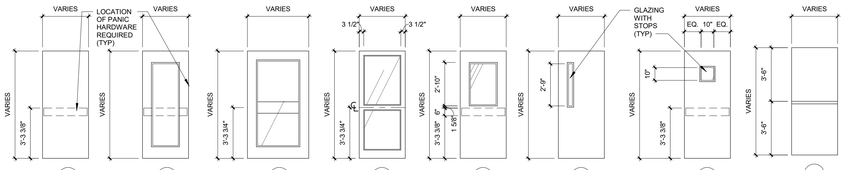


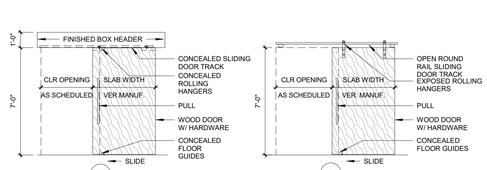
D1 JAMB - 2 HR
3" = 1'-0"



AUTOMATIC SLIDING DOOR
4 PANEL BI-PART

ICU SLIDING DOOR
3 PANEL BI-PART
TRACKLESS





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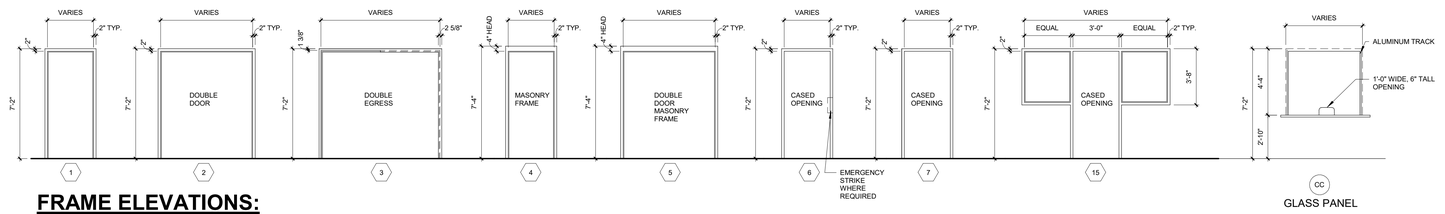

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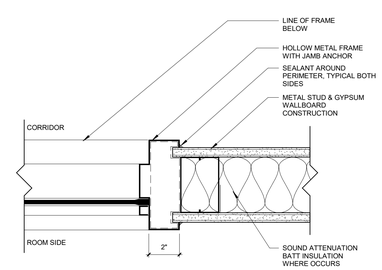
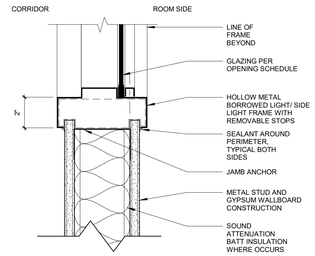
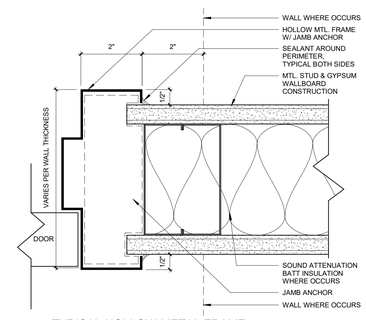


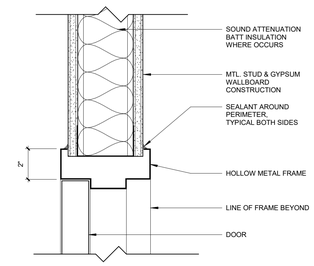
B2 JAMB- HOLLOW MTL. SIDELIGHT/ BORROWED LIGHT FRAME
3" = 1'-0"



B1 SILL- HOLLOW MTL. SIDELIGHT/ BORROWED LIGHT FRAME
3" = 1'-0"



A2 TYPICAL HOLLOW METAL FRAME
6" = 1'-0"



A1 TYPICAL HEAD- HOLLOW METAL DOOR FRAME
3" = 1'-0"

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SAMUEL K. BECKMAN
A-2011012130
ARCHITECT

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number: #001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
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Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #00127265

CONSTRUCTION DOCUMENTS

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ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
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DOOR, FRAME & WINDOW TYPES & DETAILS

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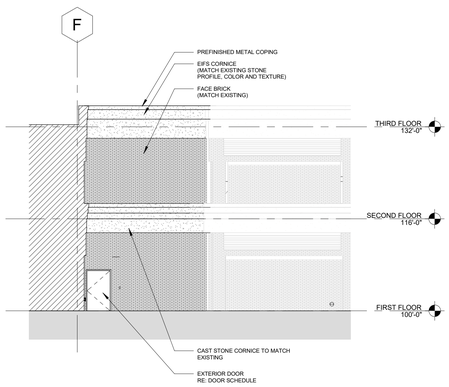
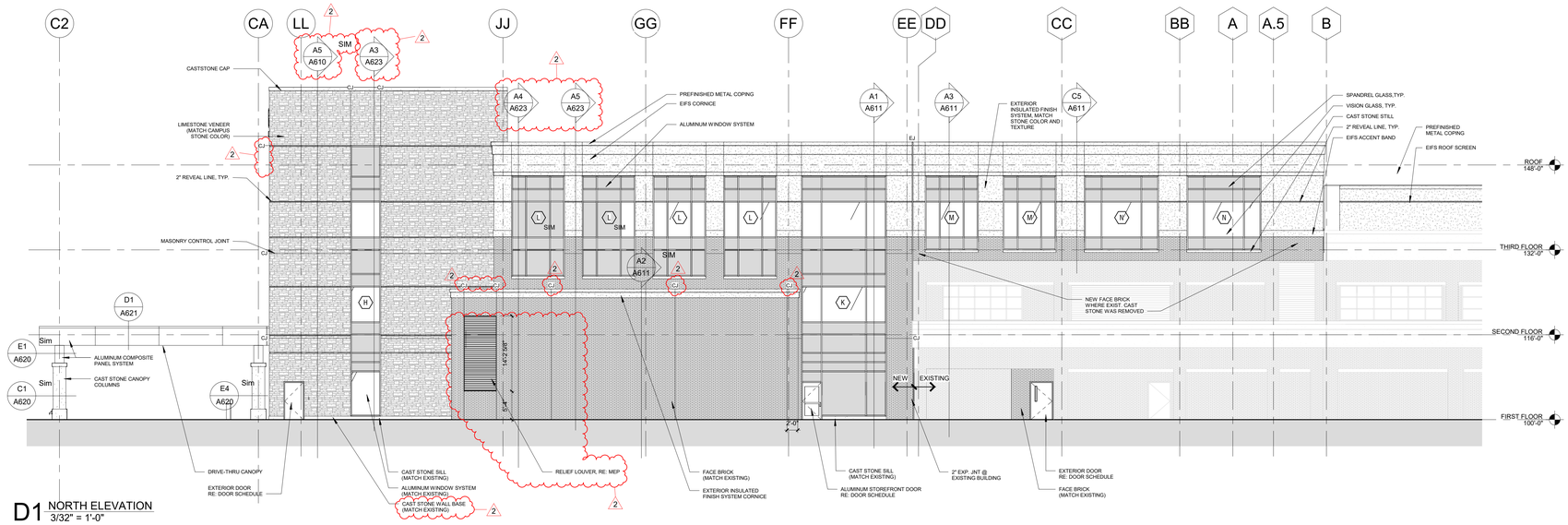
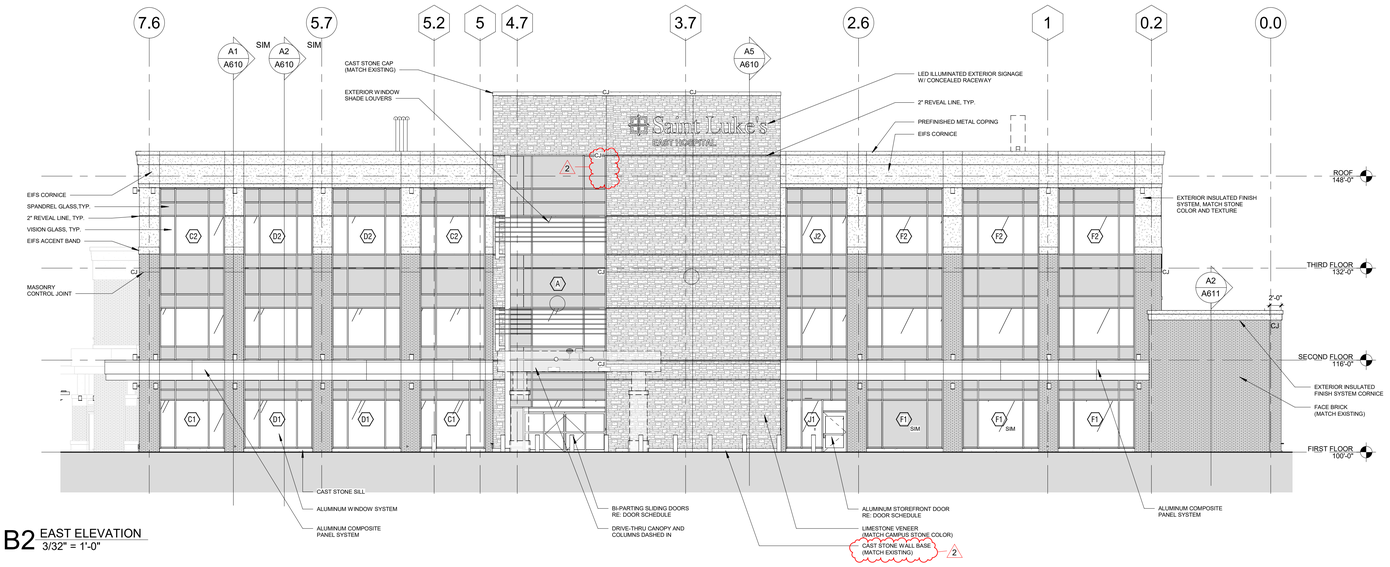


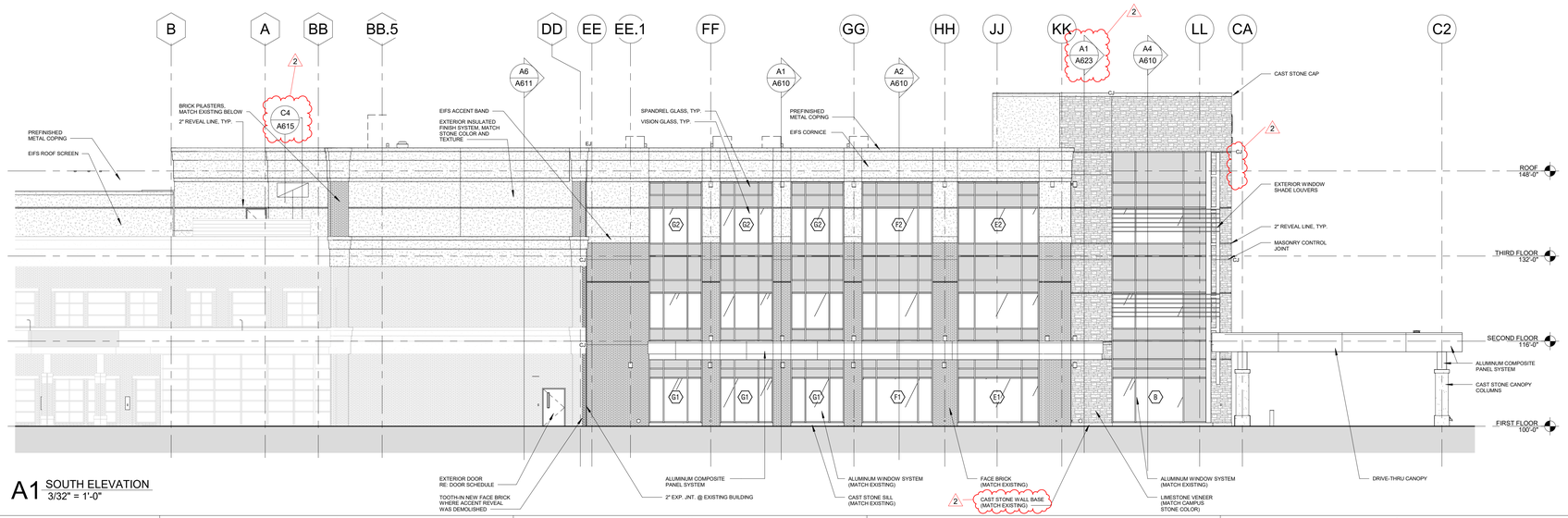
D6 ELEVATION @ NEW EGRESS STAIR
3/32" = 1'-0"



D1 NORTH ELEVATION
3/32" = 1'-0"



B2 EAST ELEVATION
3/32" = 1'-0"



A1 SOUTH ELEVATION
3/32" = 1'-0"

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ARCHITECT

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EXTERIOR ELEVATIONS

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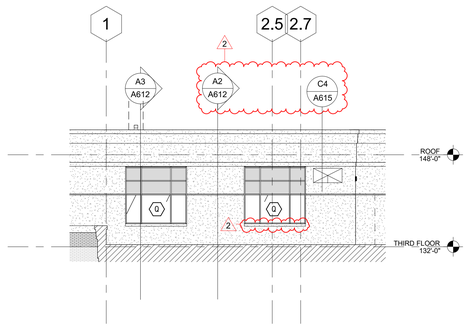
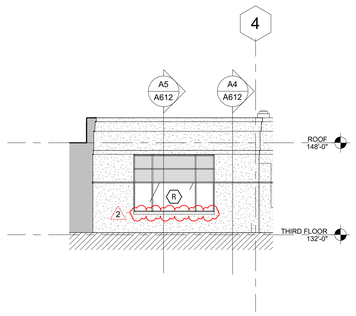
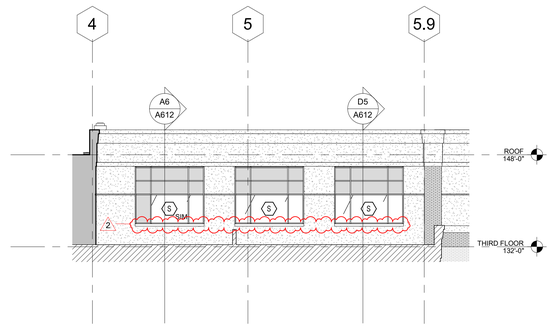


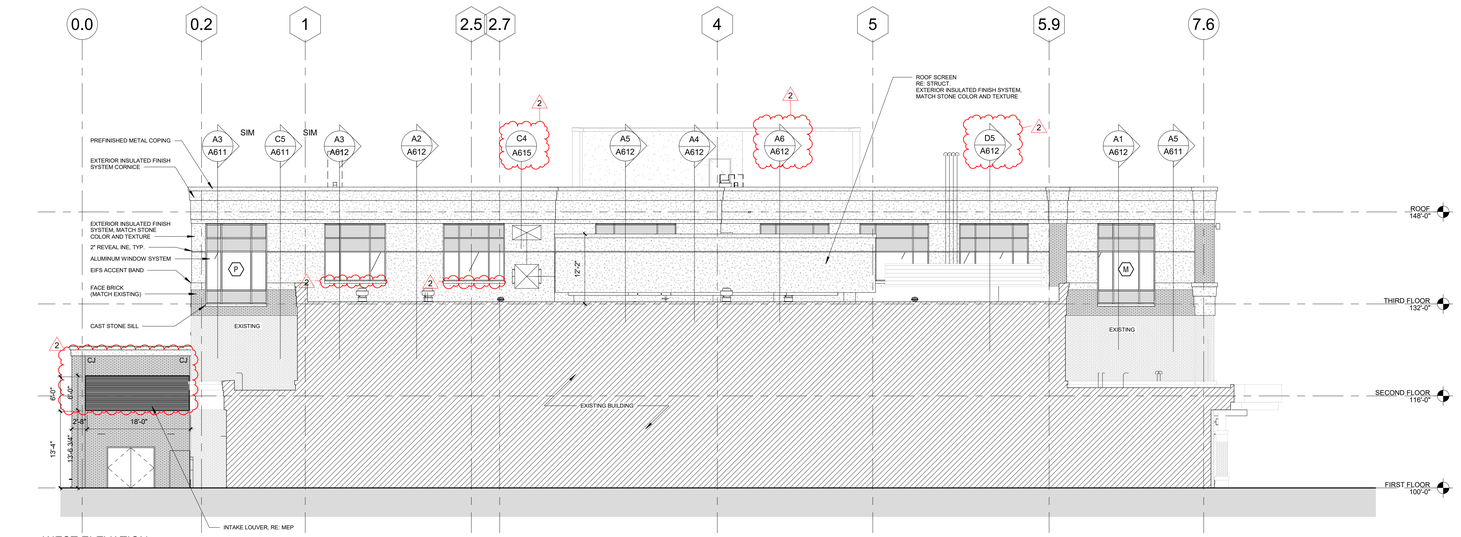
E4 THIRD FLOOR WEST ELEVATION 1
3/32" = 1'-0"



E3 THIRD FLOOR WEST ELEVATION 2
3/32" = 1'-0"



E1 THIRD FLOOR WEST ELEVATION 3
3/32" = 1'-0"



A1 WEST ELEVATION
3/32" = 1'-0"

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Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
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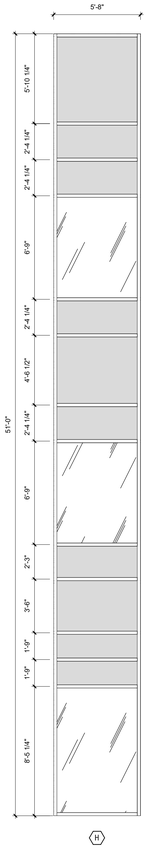
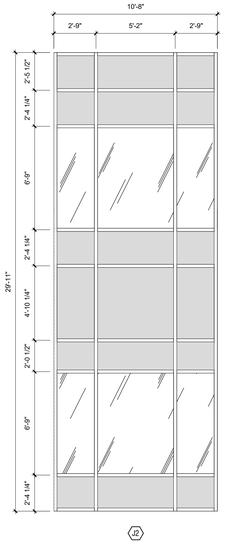
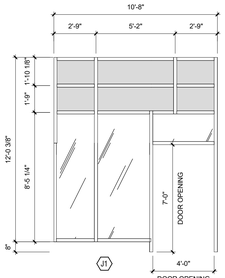
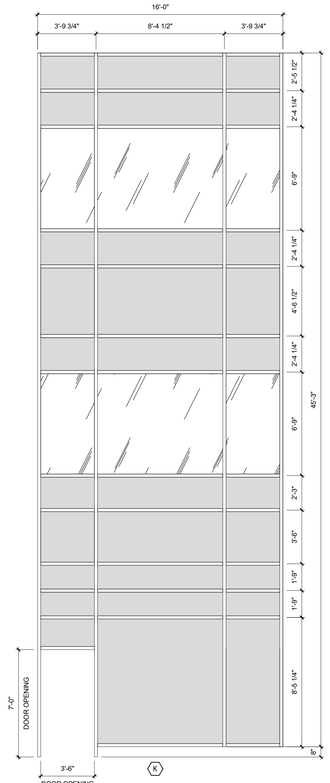
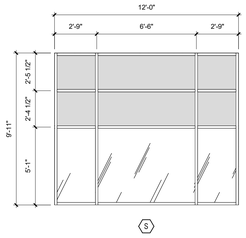
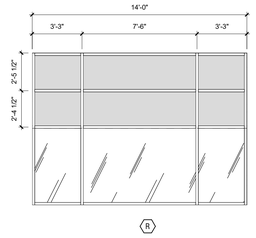




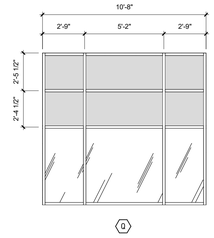


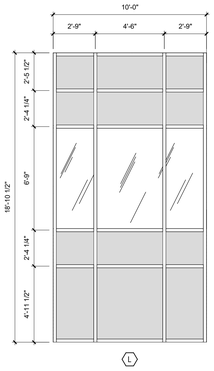


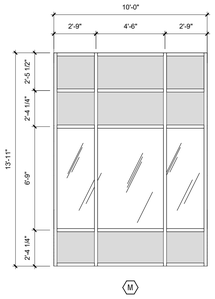


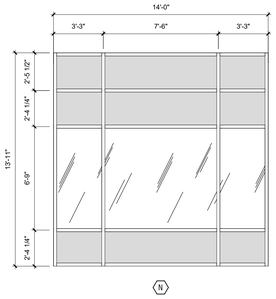


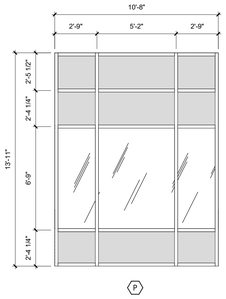
ALUMINUM STOREFRONT WINDOW SYSTEMS RE: SPECS

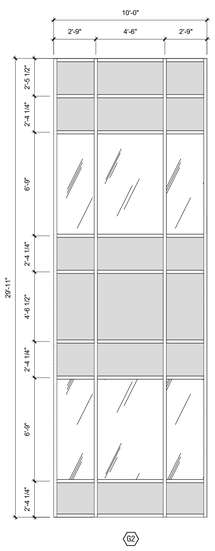


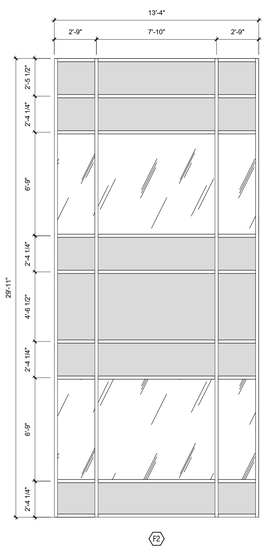


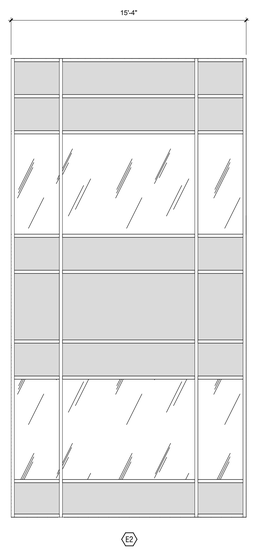


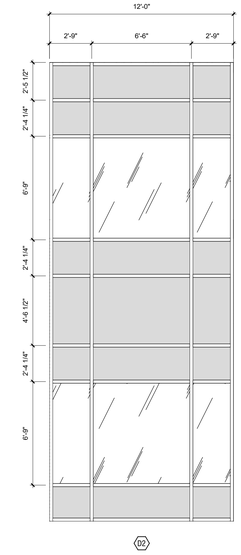


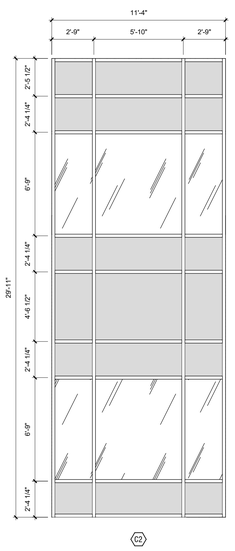


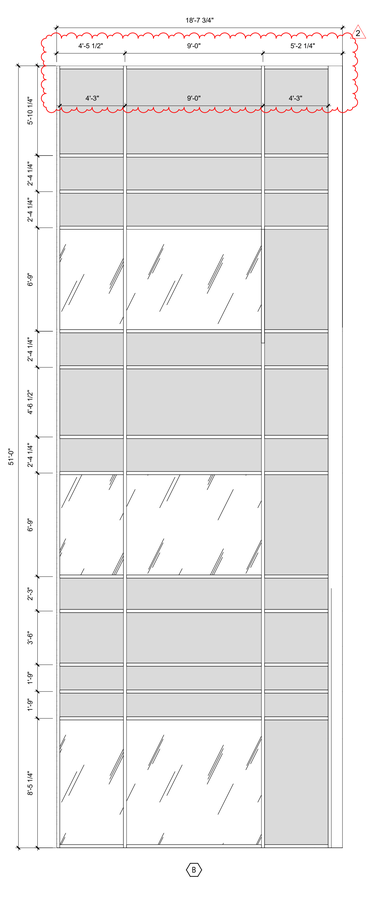


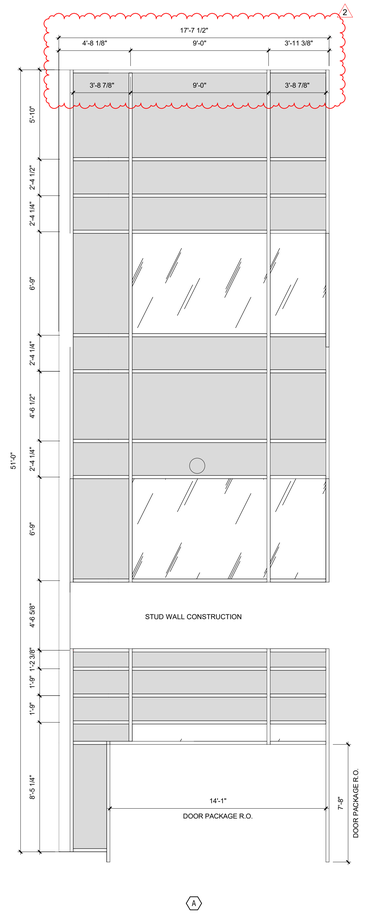












GLAZING LEGEND

	VISION GLASS
	SPANDREL GLASS
T	TEMPERED SAFETY GLASS

RELEASED FOR CONSTRUCTION
As Noted on Drawings
Permit Services Department
City of Lee's Summit, Missouri
01/16/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
NUMBER A-2011012130
ARCHITECT

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number:
#001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#00127265

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	SM
Checked By	SB

Revision

Number	Date	Description
2	2-10-23	ADDENDUM #2

CONSTRUCTION DOCUMENTS

A520

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GLAZING ELEVATIONS

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/3-21037_ASC Expansion & Renovation.rvt

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RELEASED FOR CONSTRUCTION
As noted on Permit Services Department
Kansas City, Missouri
01/16/2024

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

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Kansas City | St. Louis

1710 Wyandotte
Kansas City, MO 64108
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Overland Park, KS 66210
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IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
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#00127265

CONSTRUCTION DOCUMENTS

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ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

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Checked By	SB

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CONSTRUCTION DOCUMENTS

A610

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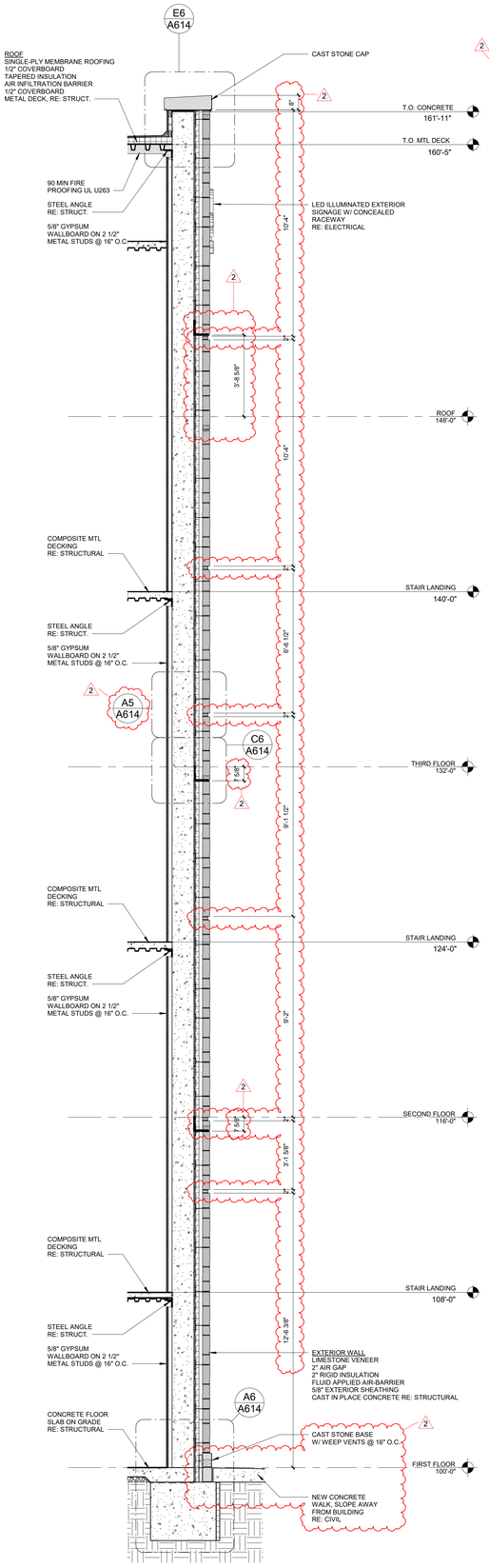
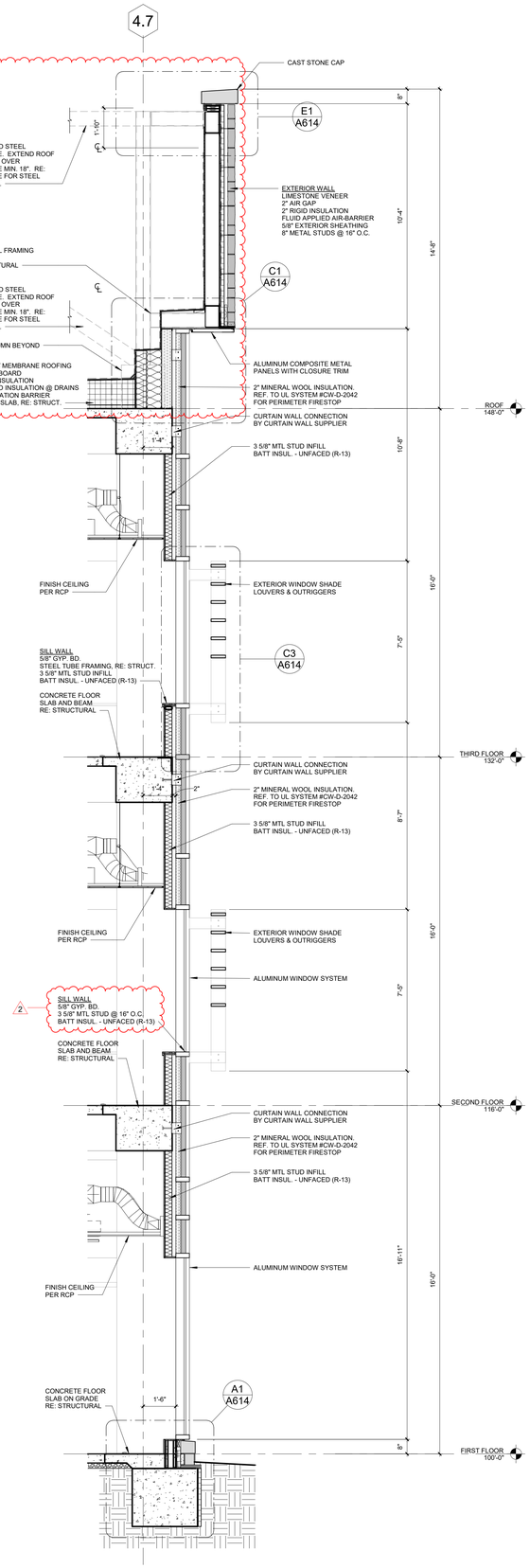
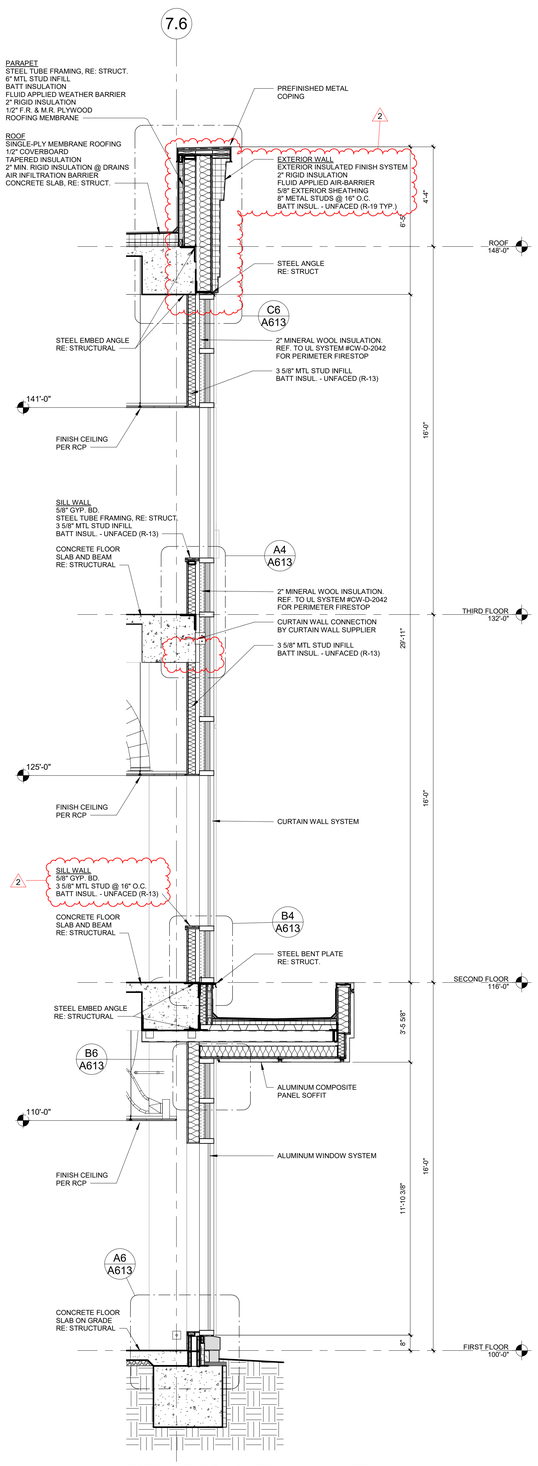
WALL SECTIONS



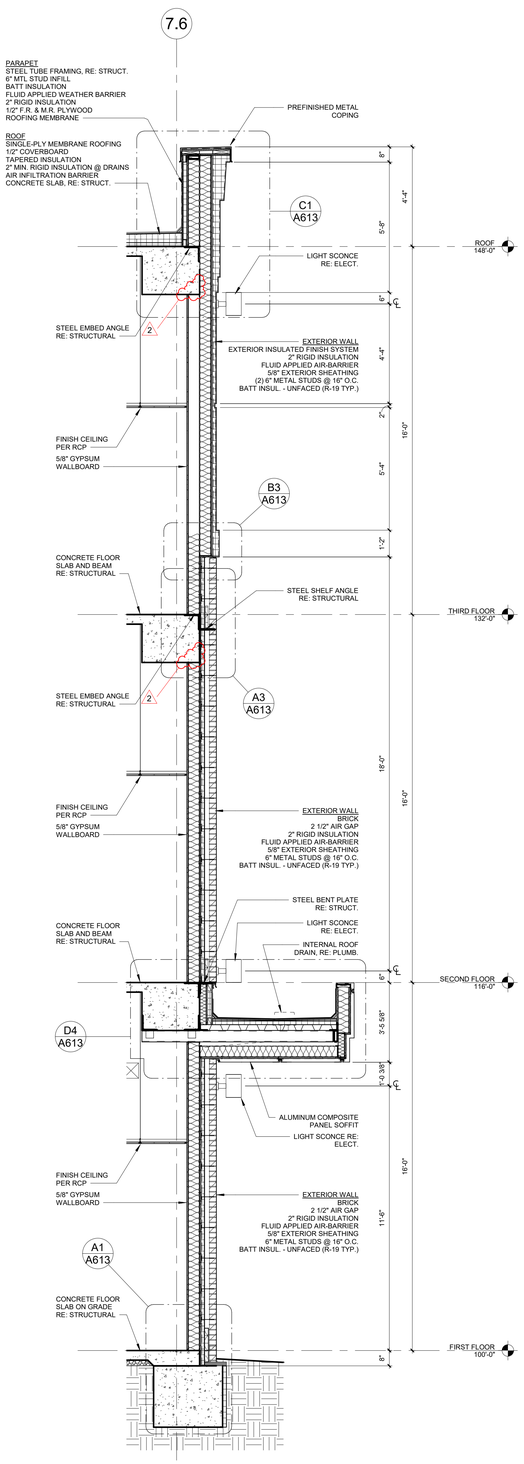
A5 WALL SECTION @ STAIR TOWER
3/8" = 1'-0"



A4 WALL SECTION @ ENTRY VESTIBULE
3/8" = 1'-0"



A2 WALL SECTION - TYPICAL CURTAIN WALL & METAL PANEL SOFFIT
3/8" = 1'-0"



A1 WALL SECTION - TYPICAL BRICK & METAL PANEL SOFFIT
3/8" = 1'-0"

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/3-21037_ASC Expansion & Renovation.rvt

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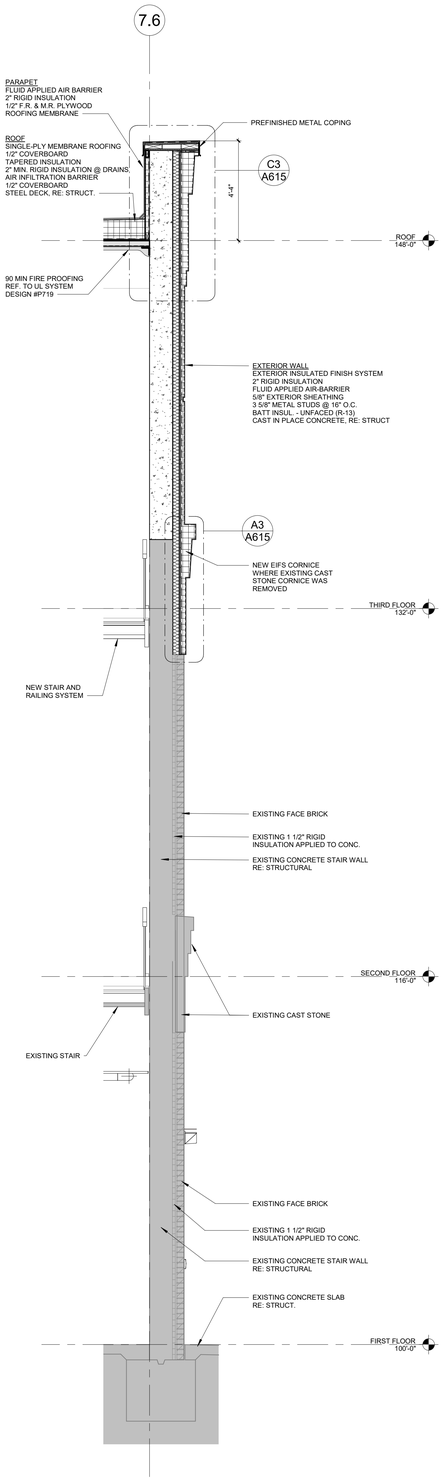
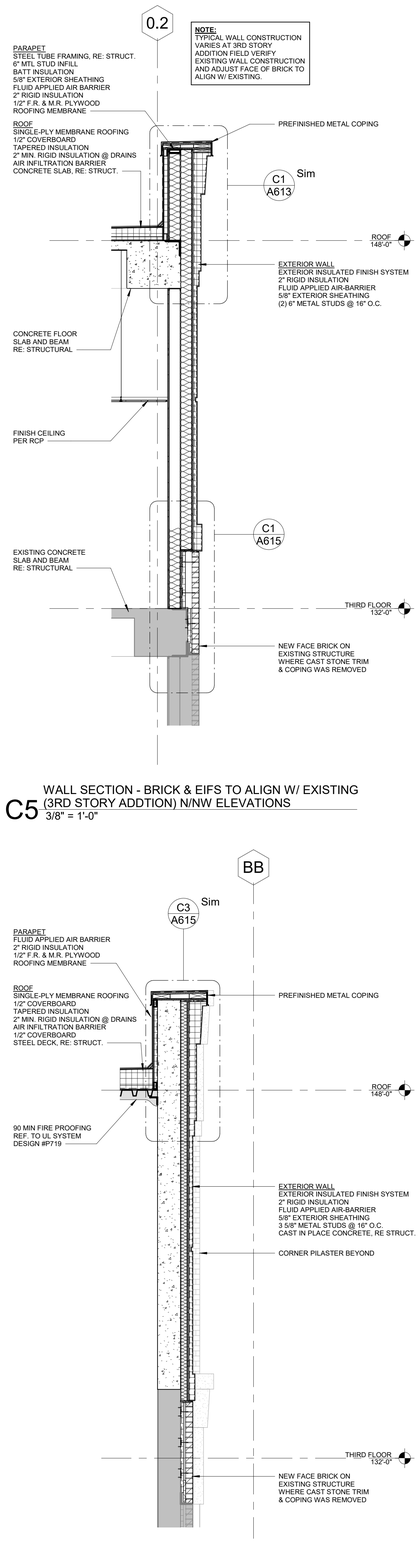
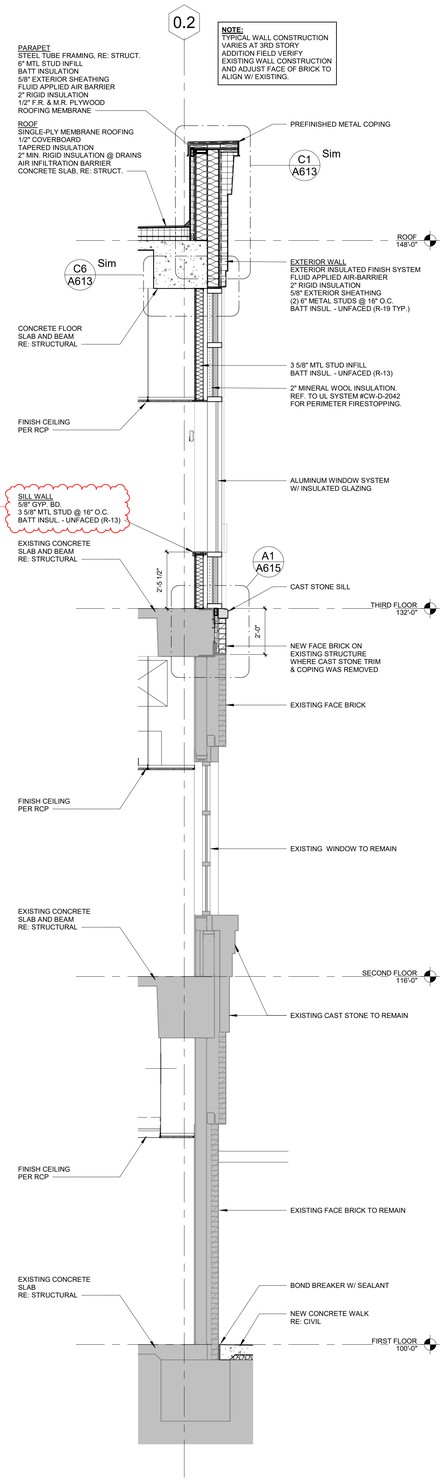


WALL SECTION - EIFS ON CONCRETE
A6 (3RD STORY ADDITION)
3/8" = 1'-0"

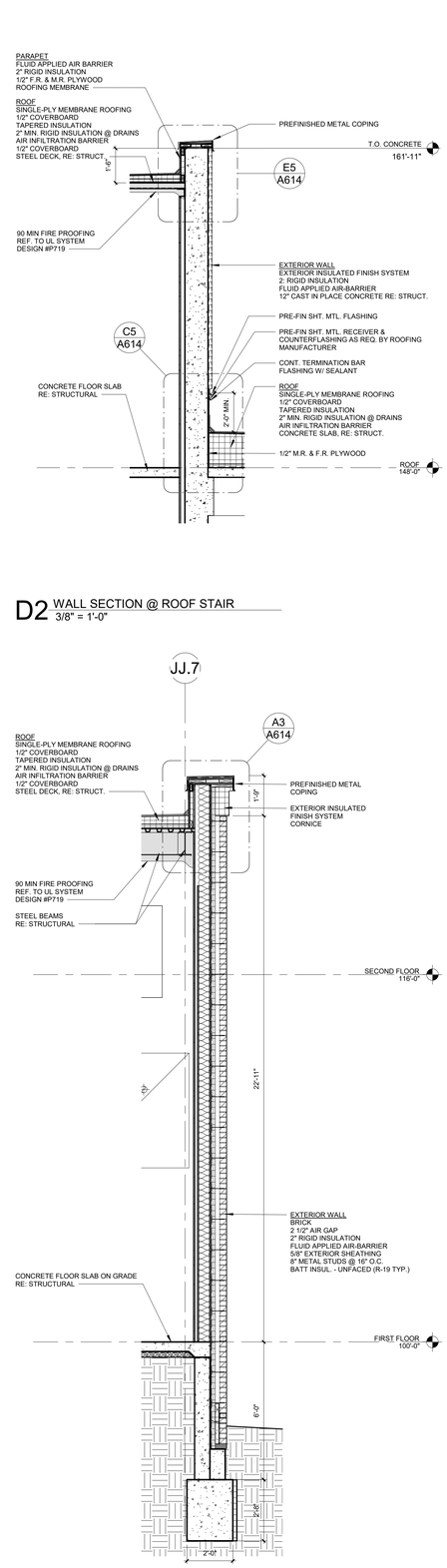


WALL SECTION - BRICK & EIFS TO ALIGN W/ EXISTING
C5 (3RD STORY ADDTION) N/NW ELEVATIONS
3/8" = 1'-0"

WALL SECTION - BRICK & EIFS ON CONCRETE
A5 (3RD STORY ADDITION)
3/8" = 1'-0"

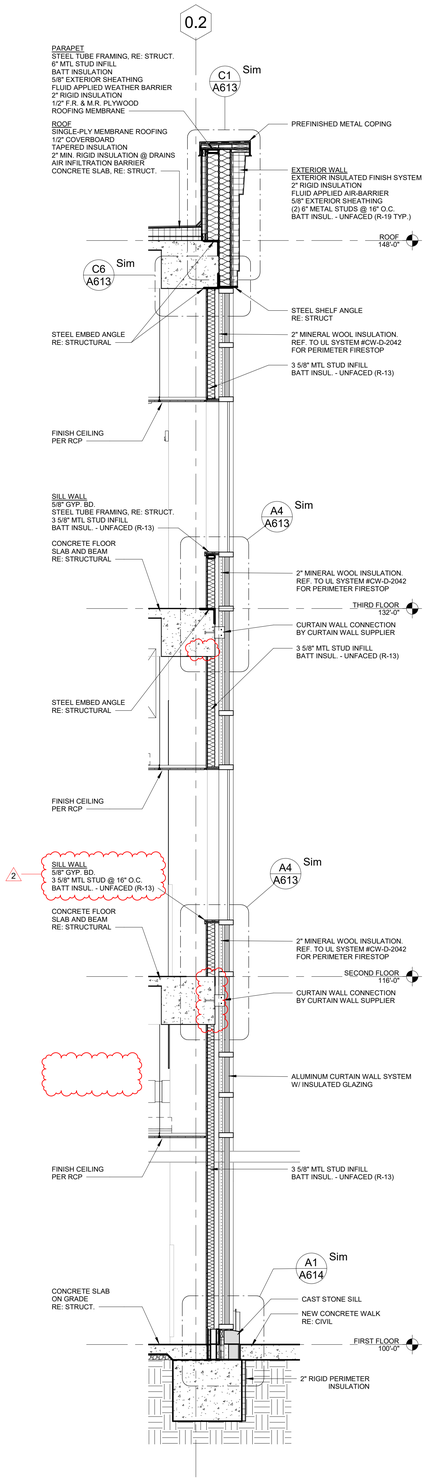


WALL SECTION - BRICK & EIFS THRU WINDOWS
A3 (3RD STORY ADDTION) N/NW ELEVATIONS
3/8" = 1'-0"



D2 WALL SECTION @ ROOF STAIR
3/8" = 1'-0"

WALL SECTION @ AHU ROOM
A2 3/8" = 1'-0"



WALL SECTION - CURTAIN WALL W/ EIFS CORNICE
A1 3/8" = 1'-0"

RELEASED FOR CONSTRUCTION
As noted on transmittal
Saint Louis County Services Department
Clayton, Missouri
02/16/2024

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
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CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
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CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	SM
Checked By	SB

Revision

Number	Date	Description
2	2-10-23	ADDENDUM #2

CONSTRUCTION DOCUMENTS

A611

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WALL SECTIONS

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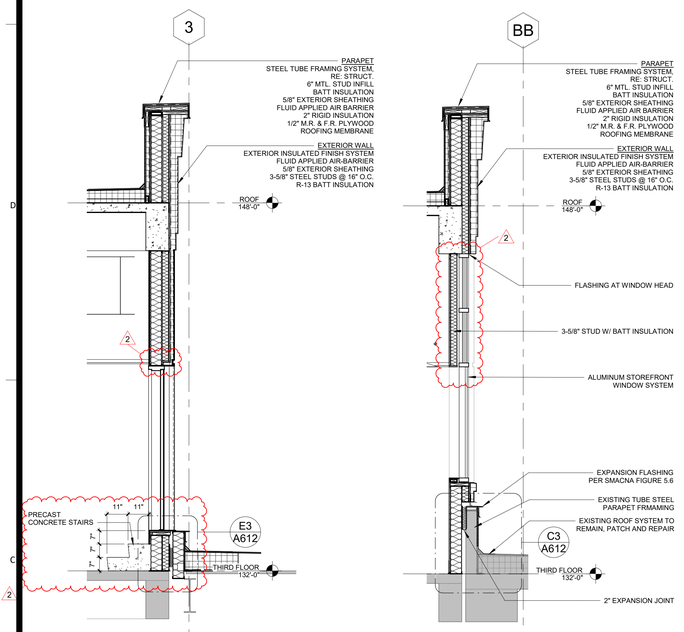
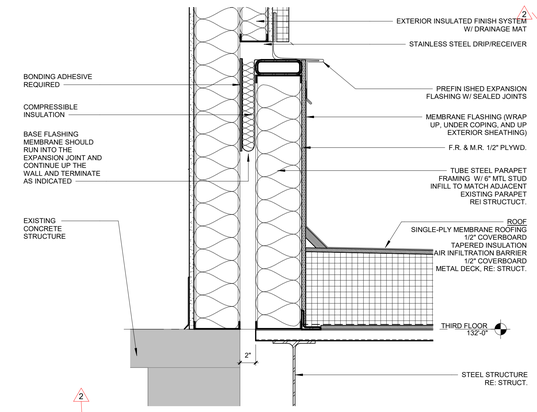
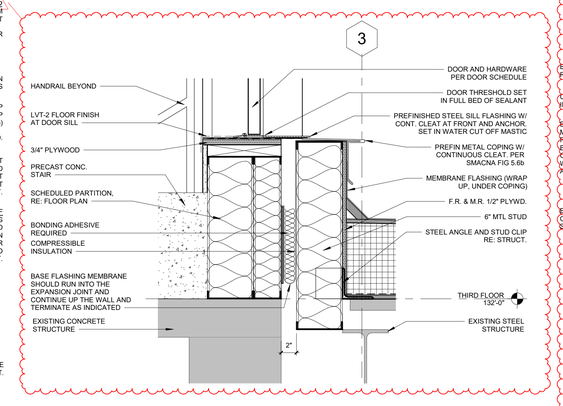


D6 WALL SECTION - EIFS ON DBL MTL STUDS (SLIM) @ROOF ACCESS STAIRS (3RD STORY ADDITION)
3/8" = 1'-0"

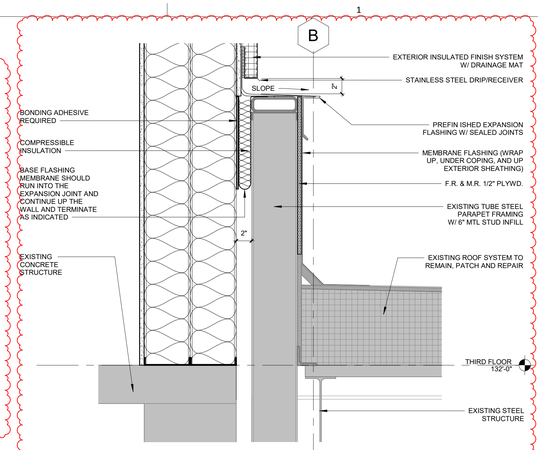
D5 WALL SECTION - EIFS ON DBL MTL STUDS (SLIM) EXIST CONC-CONC EJ (3RD STORY ADDITION)
3/8" = 1'-0"



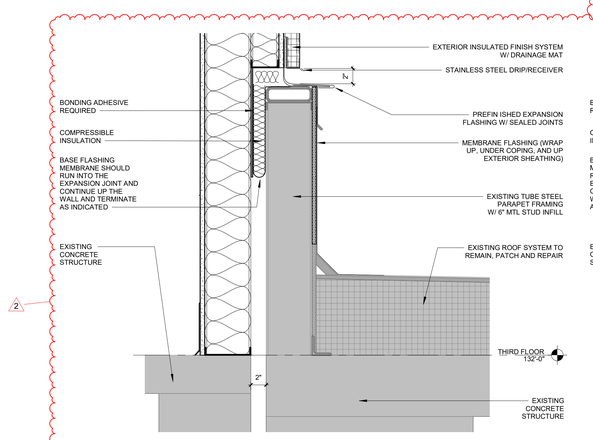
E4 DETAIL - NEW EJ @ EXISTING CONCRETE TO NEW METAL DECK (SLIM DBL MTL STUDS)
1 1/2" = 1'-0"

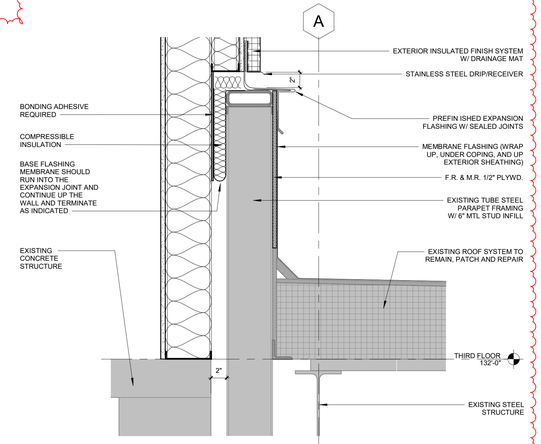


E3 DETAIL - NEW EJ @ EXISTING CONCRETE TO EXISTING METAL DECK @ ROOF ACCESS STAIRS
1 1/2" = 1'-0"



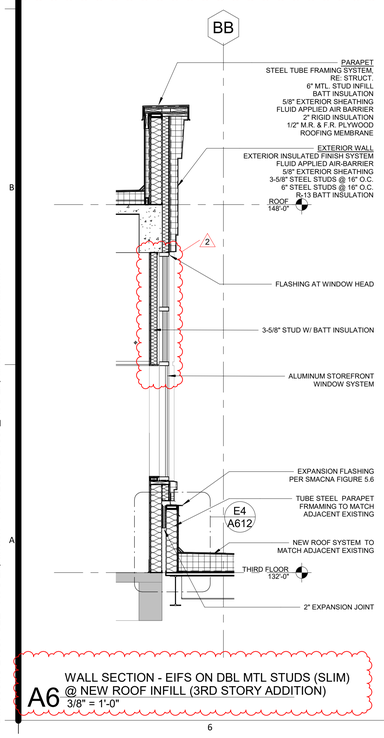
E1 DETAIL - NEW EJ @ EXISTING CONCRETE TO EXISTING METAL DECK (DBL MTL STUDS)
1 1/2" = 1'-0"



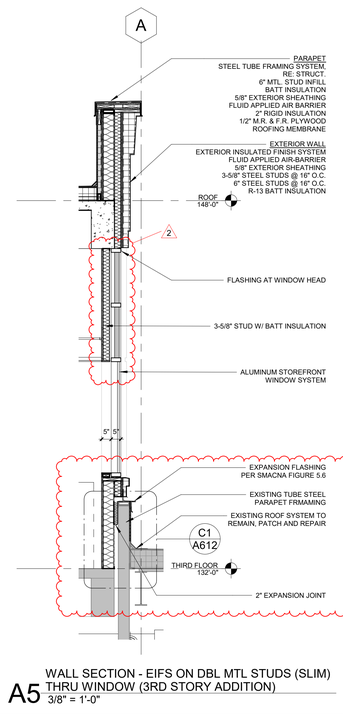


C3 DETAIL - NEW EJ @ EXISTING CONCRETE TO EXISTING CONCRETE (3RD STORY ADDITION)
1 1/2" = 1'-0"

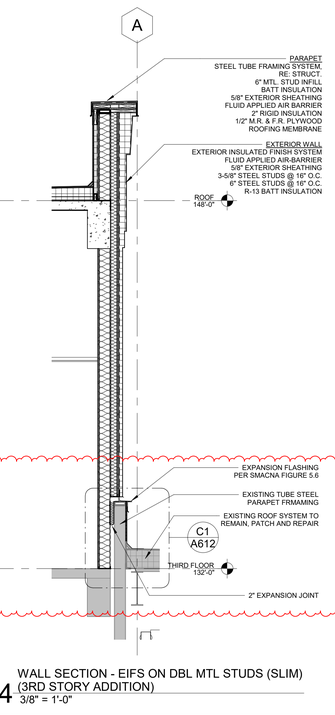
C1 DETAIL - NEW EJ @ EXISTING CONCRETE TO EXISTING METAL DECK (SLIM DBL MTL STUDS)
1 1/2" = 1'-0"



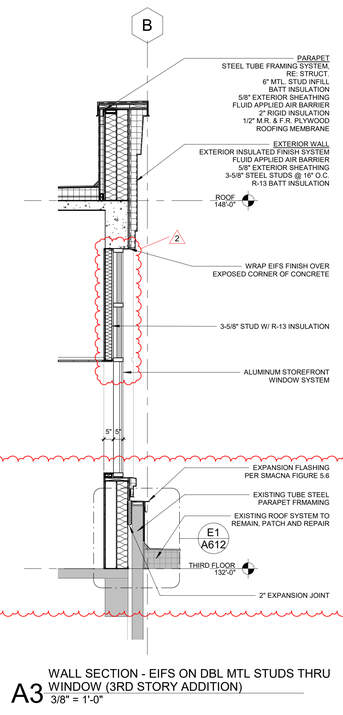
A6 WALL SECTION - EIFS ON DBL MTL STUDS (SLIM) @ NEW ROOF INFILL (3RD STORY ADDITION)
3/8" = 1'-0"



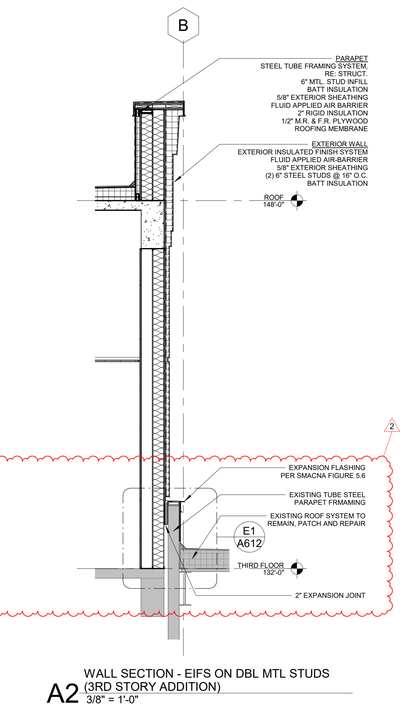
A5 WALL SECTION - EIFS ON DBL MTL STUDS (SLIM) THRU WINDOW (3RD STORY ADDITION)
3/8" = 1'-0"



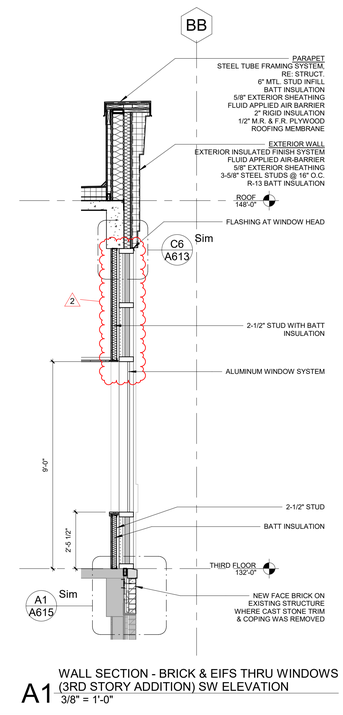
A4 WALL SECTION - EIFS ON DBL MTL STUDS (SLIM) (3RD STORY ADDITION)
3/8" = 1'-0"



A3 WALL SECTION - EIFS ON DBL MTL STUDS THRU WINDOW (3RD STORY ADDITION)
3/8" = 1'-0"



A2 WALL SECTION - EIFS ON DBL MTL STUDS (3RD STORY ADDITION)
3/8" = 1'-0"



A1 WALL SECTION - BRICK & EIFS THRU WINDOWS (3RD STORY ADDITION) SW ELEVATION
3/8" = 1'-0"

RELEASED FOR CONSTRUCTION
As noted on this sheet
Building Services Department
Kansas City, Missouri
01/16/2024

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
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ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

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Job Number	3-21037
Drawn By	SM
Checked By	SB

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2	2-10-23	ADDENDUM #2

CONSTRUCTION DOCUMENTS
2
A612

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WALL SECTIONS

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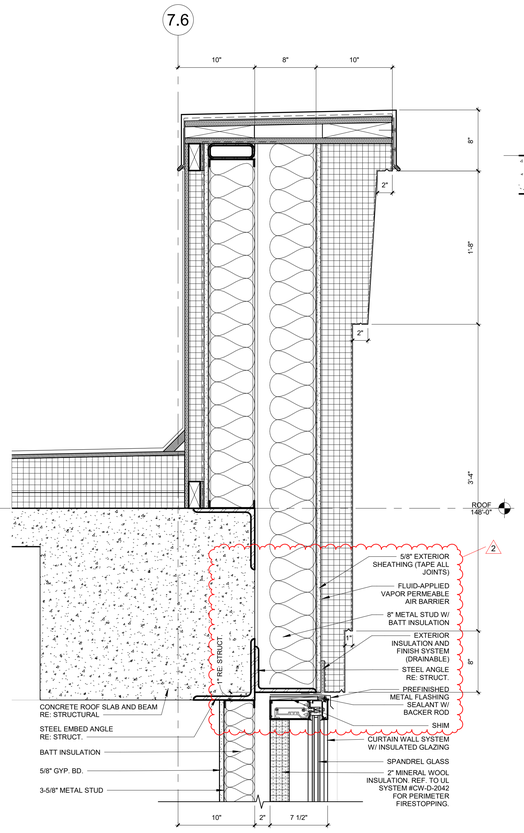
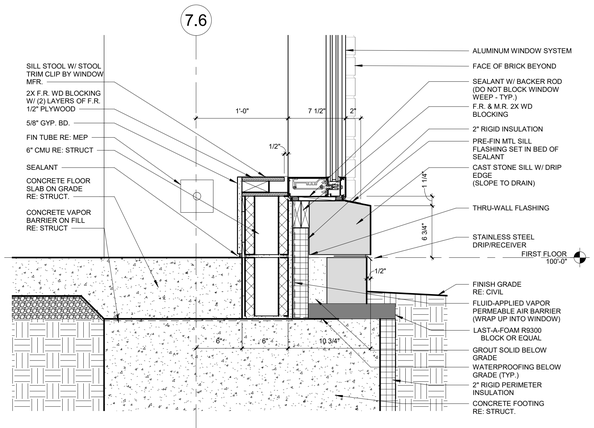
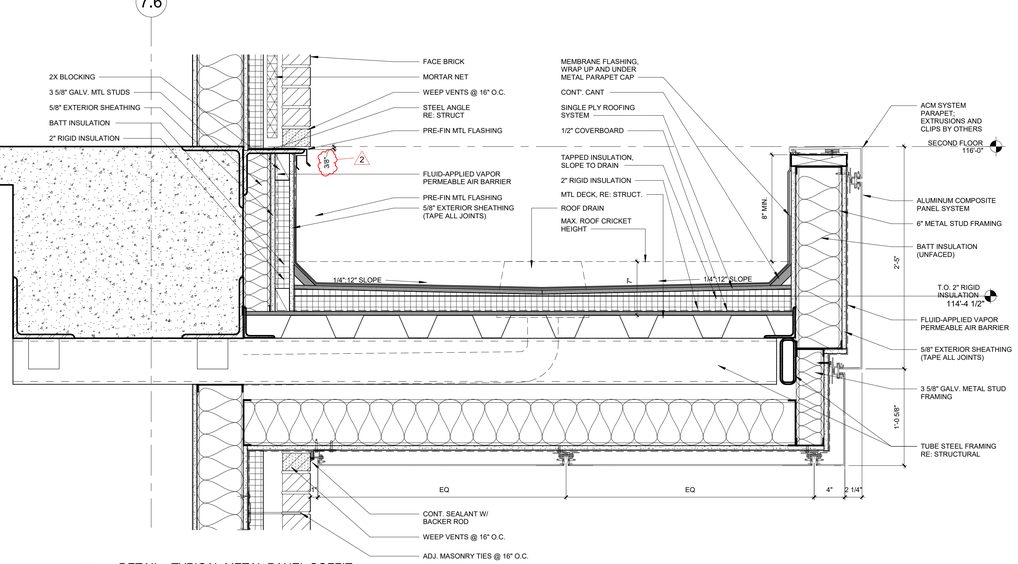


C6 DETAIL - TYPICAL CURTAIN WALL HEAD @ EIFS
1 1/2" = 1'-0"

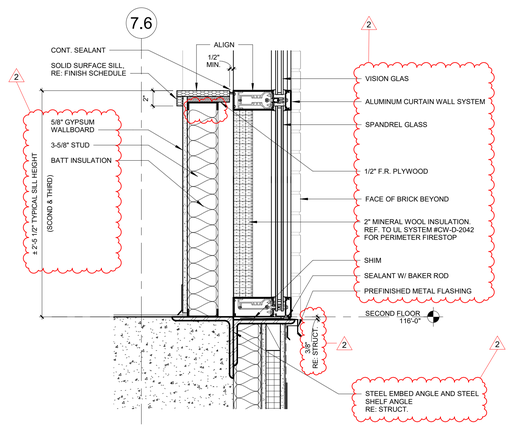
B6 DETAIL - WINDOW HEAD @ METAL PANEL SOFFIT
1 1/2" = 1'-0"



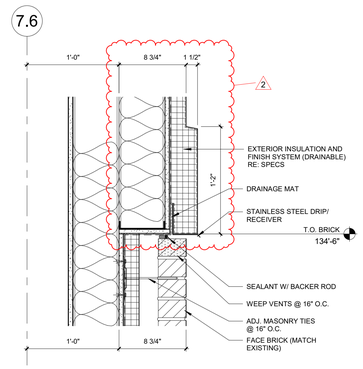
A6 DETAIL - TYPICAL WINDOW SILL @ GROUND FLOOR
1 1/2" = 1'-0"



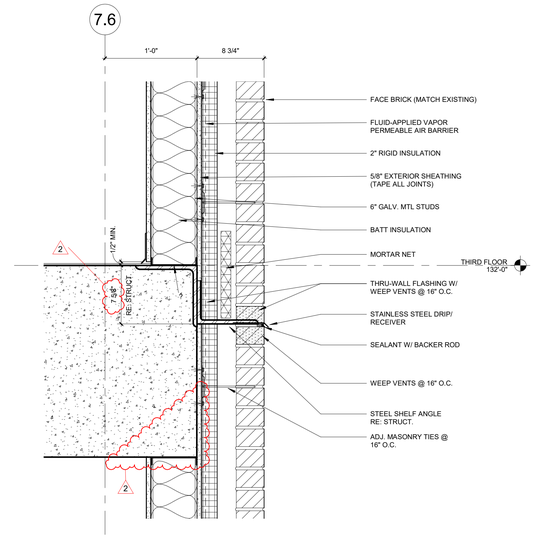
D4 DETAIL - TYPICAL METAL PANEL SOFFIT
1 1/2" = 1'-0"



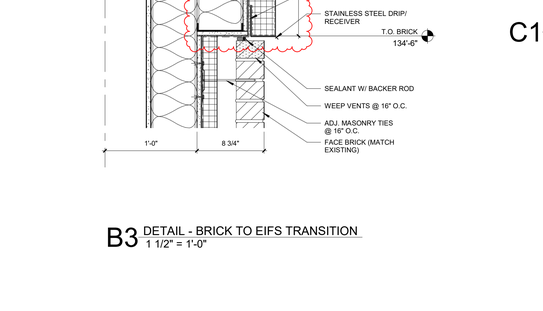
B4 DETAIL - TYPICAL SILL TO CURTAIN WALL
1 1/2" = 1'-0"



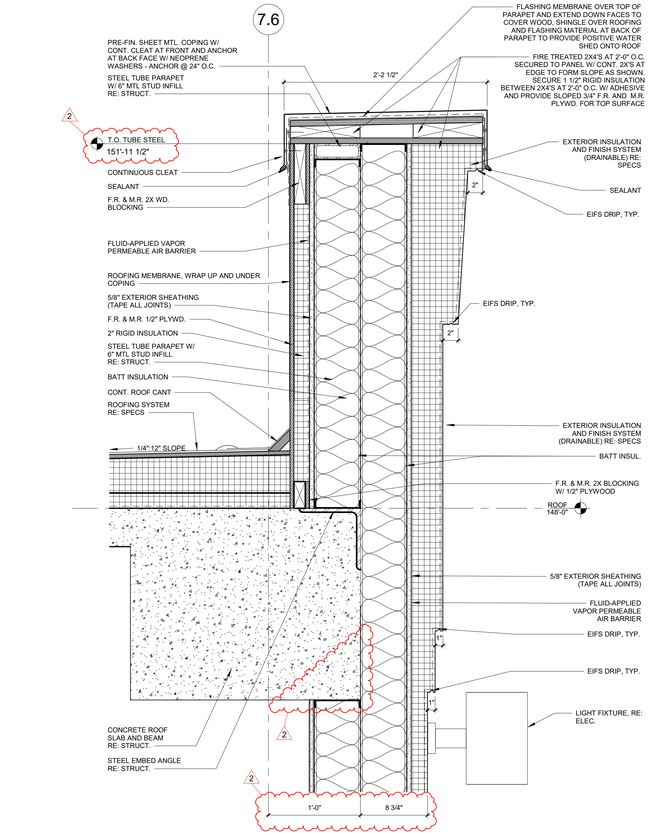
B3 DETAIL - BRICK TO EIFS TRANSITION
1 1/2" = 1'-0"



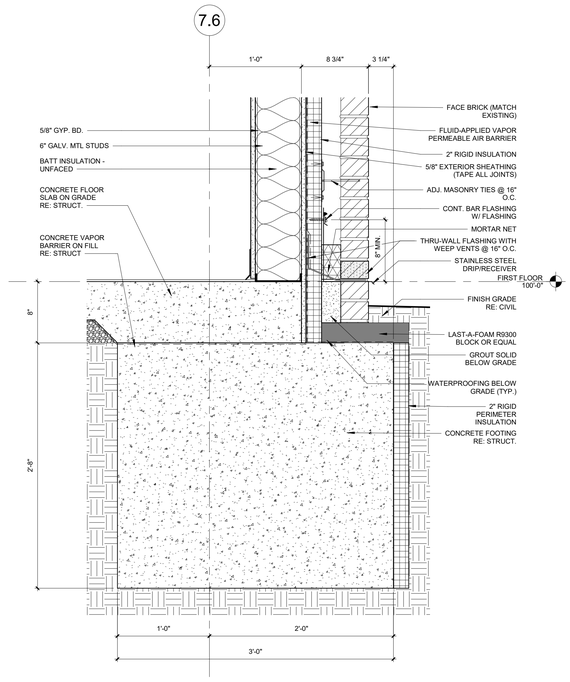
A4 DETAIL - TYPICAL SLAB EDGE @ CURTAIN WALL
1 1/2" = 1'-0"



A3 DETAIL - TYPICAL SLAB EDGE @ BRICK
1 1/2" = 1'-0"



C1 DETAIL - TYPICAL PARAPET W/ EIFS CORNICE
1 1/2" = 1'-0"



A1 DETAIL - TYPICAL SLAB EDGE W/ BRICK
1 1/2" = 1'-0"

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As noted on this sheet
Kansas City Services Department
Kansas City, Missouri
01/16/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number:
#001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#00127265

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL

ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	SM
Checked By	SB

Revision

Number	Date	Description
2	2-10-23	ADDENDUM #2

CONSTRUCTION DOCUMENTS

A613

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EXTERIOR SECTION DETAILS

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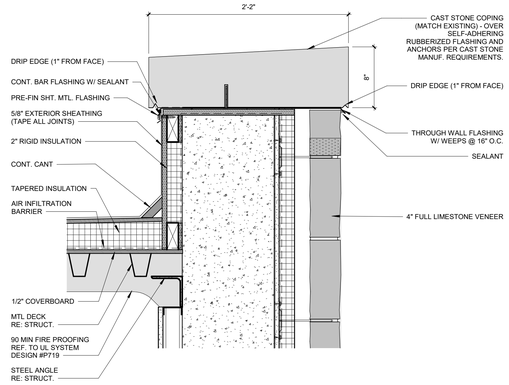
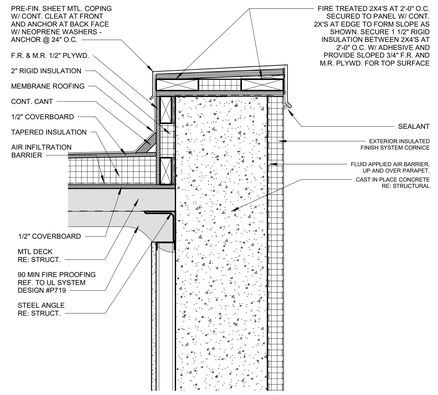
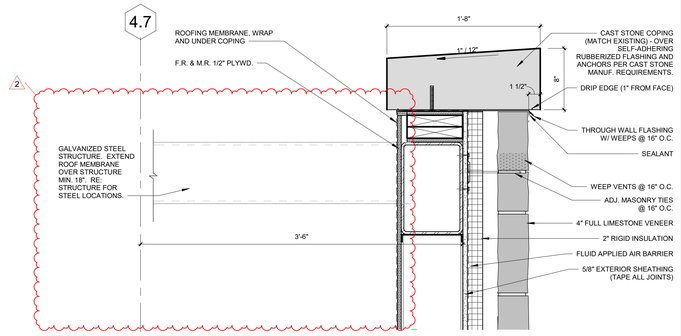


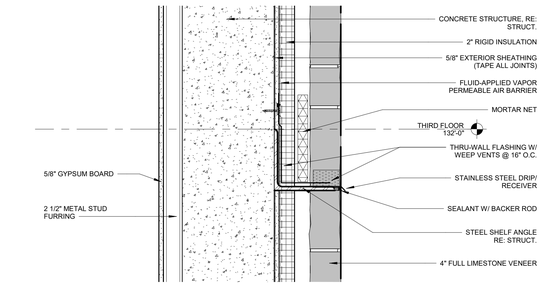
E6 DETAIL - CAST STONE CAP@ LIMESTONE ON CONCRETE
1 1/2" = 1'-0"



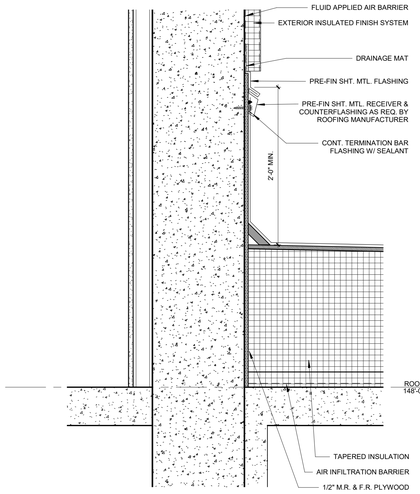
E5 DETAIL - MTL COPING @ EIFS ON CONCRETE
1 1/2" = 1'-0"



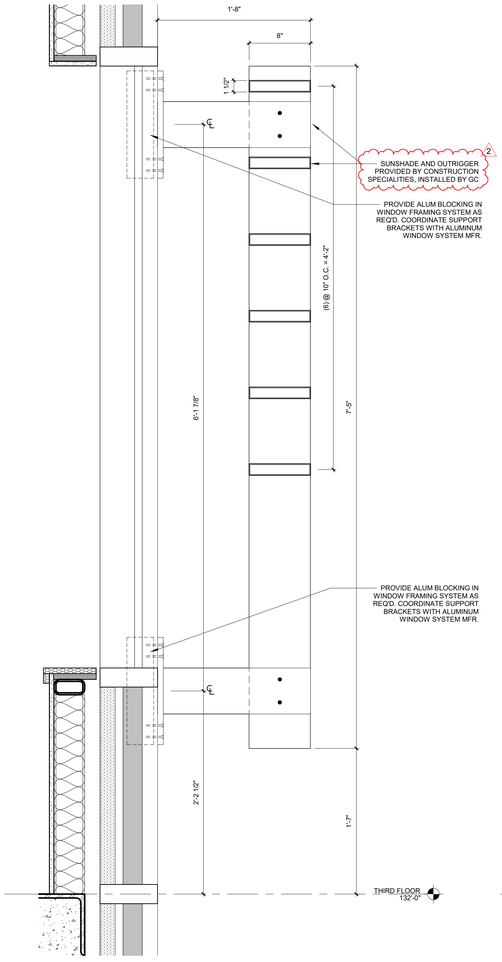
E1 DETAIL - PARAPET CAP @ LIMESTONE OVERHANG
1 1/2" = 1'-0"



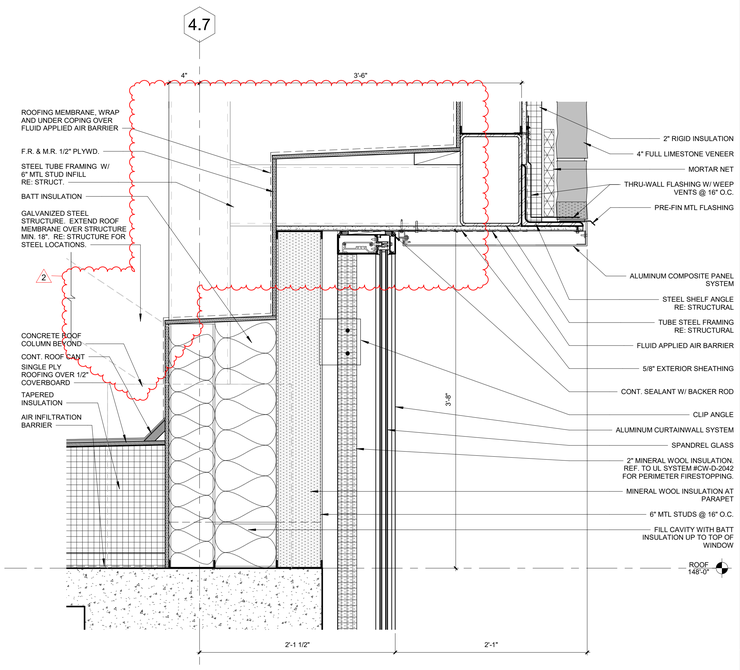
C6 DETAIL - SHELF ANGLE @ LIMESTONE ON CONCRETE
1 1/2" = 1'-0"



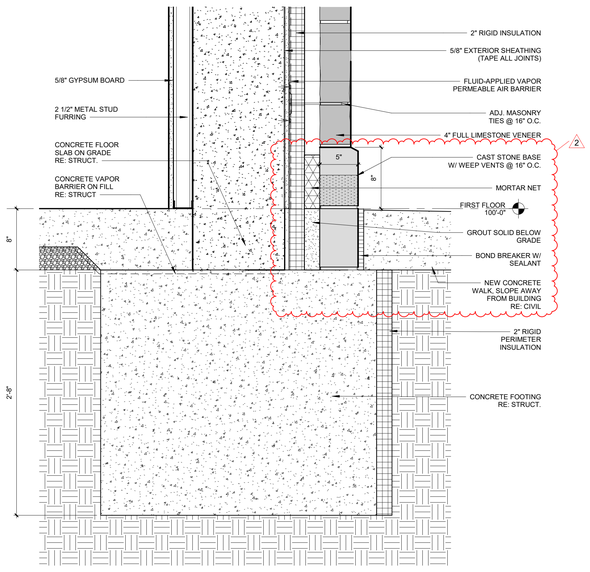
C5 DETAIL - ROOFING TO EIFS
1 1/2" = 1'-0"



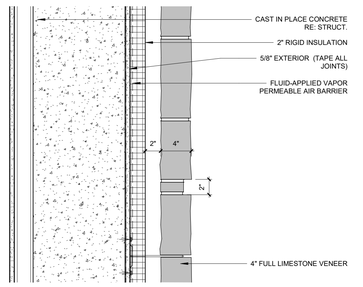
C3 DETAIL - EXTERIOR WINDOW SHADE LOUVERS
1 1/2" = 1'-0"



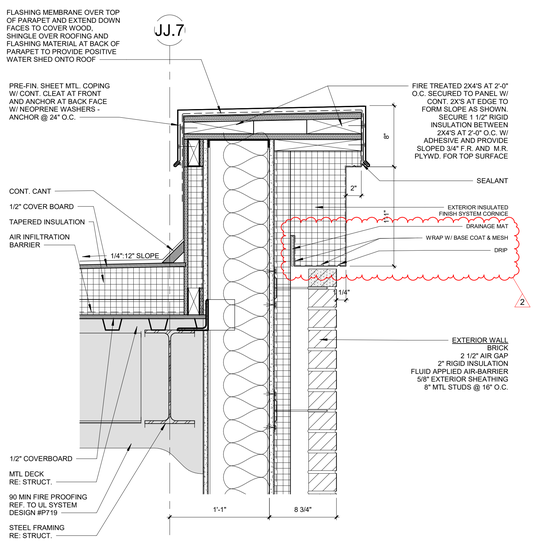
C1 DETAIL - CURTAIN WALL HEAD & METAL PANEL SOFFIT @ LIMESTONE OVERHANG
1 1/2" = 1'-0"



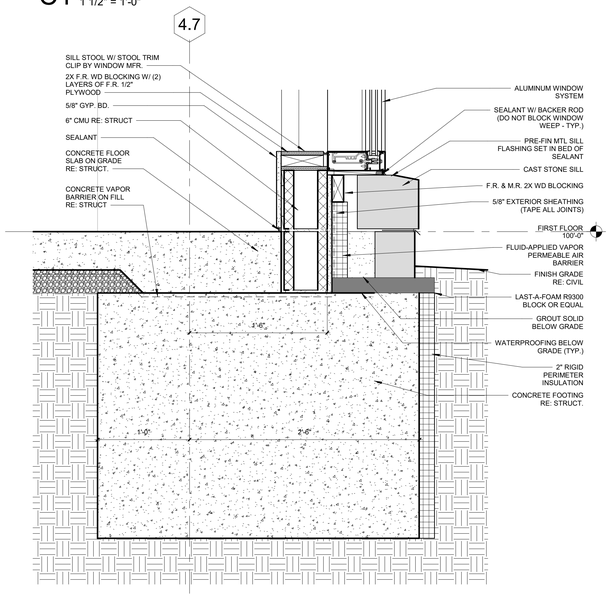
A6 DETAIL - SLAB EDGE @LIMESTONE ON CONCRETE
1 1/2" = 1'-0"



A5 DETAIL - 2" REVEAL @ LIMESTONE ON CONCRETE
1 1/2" = 1'-0"



A3 DETAIL - COPING @ BRICK ON MTL STUDS
1 1/2" = 1'-0"



A1 DETAIL - WINDOW SILL @ ENTRY VESTIBULE
1 1/2" = 1'-0"

RELEASED FOR CONSTRUCTION
As noted on this transmittal
Building Services Department
Clayton, Missouri
01/16/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT
1/16/2023
Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number: #001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
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MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #00127265

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description
2	2-10-23	ADDENDUM #2

CONSTRUCTION DOCUMENTS

A614

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EXTERIOR SECTION DETAILS

RELEASED FOR CONSTRUCTION
As noted on Plans
Building Services Department
Lee's Summit, Missouri
01/16/2024

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

CIVIL CONSULTANT

BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number:
#001355

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1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
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IMEG
1600 Baltimore Ave, Suite 300
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CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	SM
Checked By	SB

Revision

Number	Date	Description
2	2-10-23	ADDENDUM #2

CONSTRUCTION DOCUMENTS

A615

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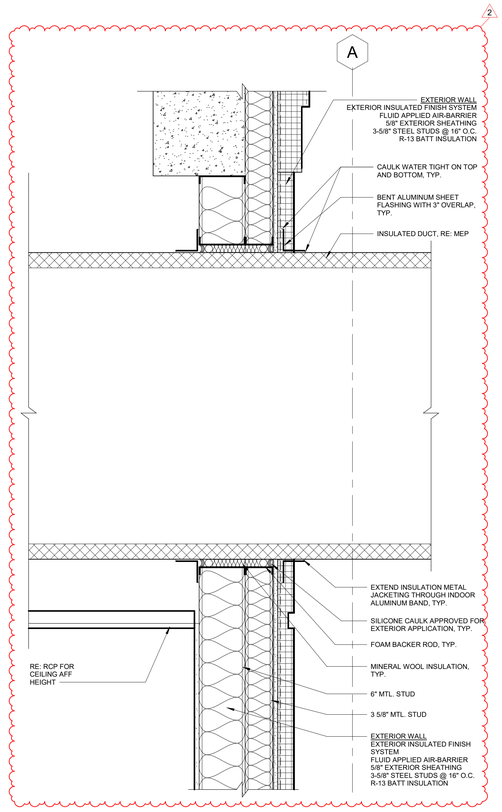
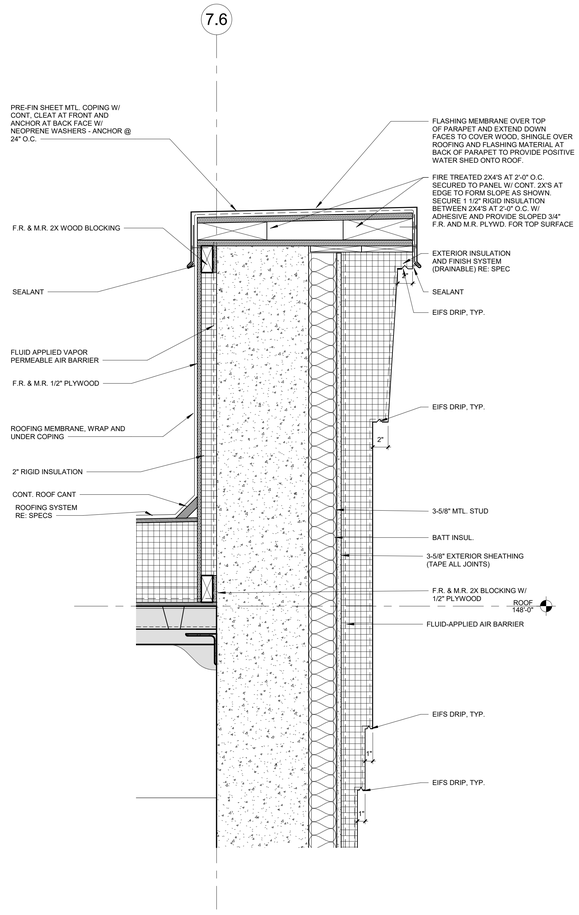
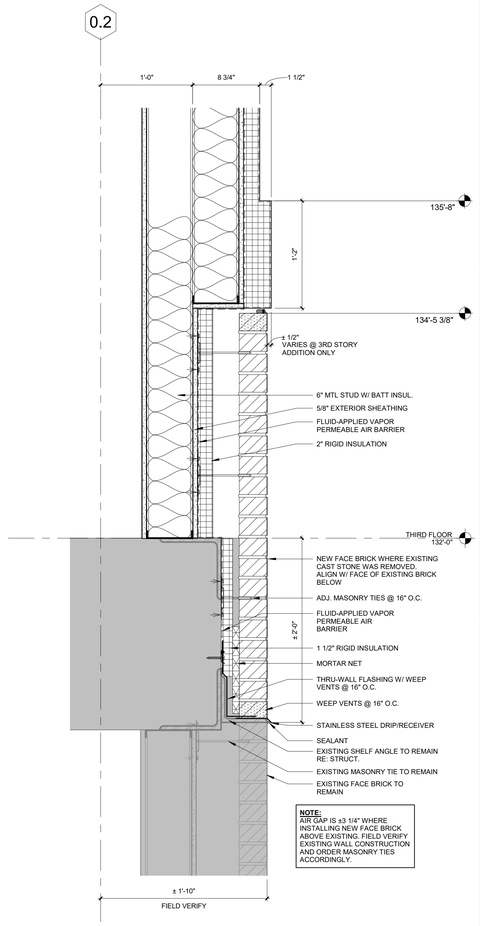
EXTERIOR SECTION DETAILS



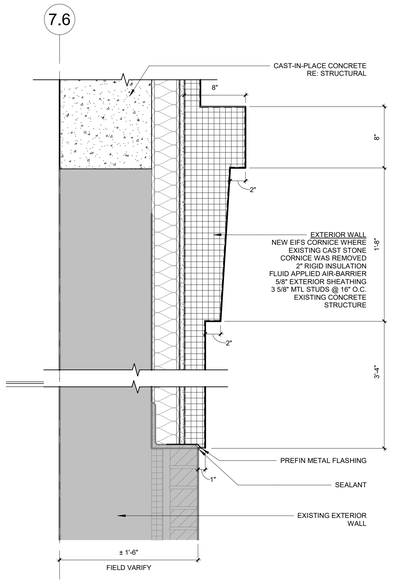
C4 DETAIL - INSULATED DUCT PENETRATION FROM ROOFTOP AHU
1 1/2" = 1'-0"



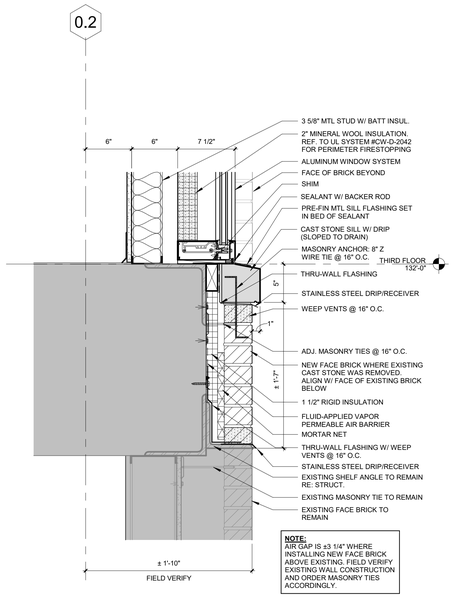
C3 DETAIL - EIFS CORNICE ON CONCRETE
1 1/2" = 1'-0"



C1 DETAIL - NEW BRICK TO ALIGN WITH EXISTING
1 1/2" = 1'-0"



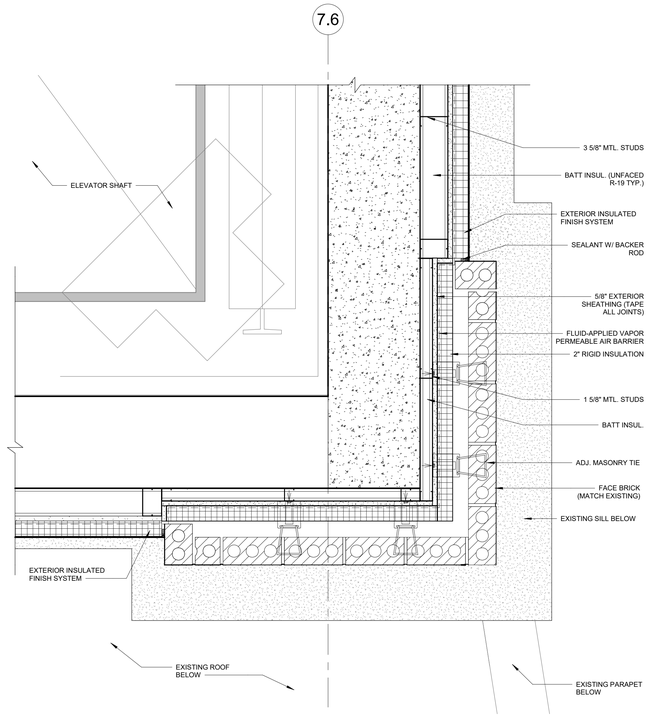
A3 DETAIL - NEW EIFS CORNICE WHERE CAST STONE PROFILE WAS REMOVED (3RD STORY ADDITION)
1 1/2" = 1'-0"



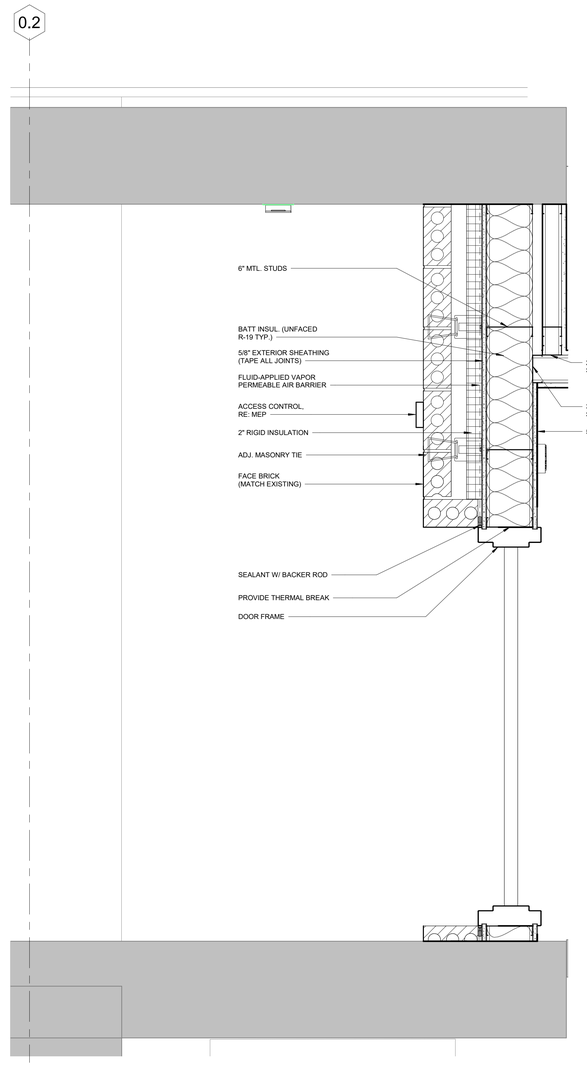
A1 DETAIL - NEW SILL AT EXISTING SLAB EDGE
1 1/2" = 1'-0"

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/3-21037_ASC Expansion & Renovation.rvt
2/12/2023 8:21:01 PM

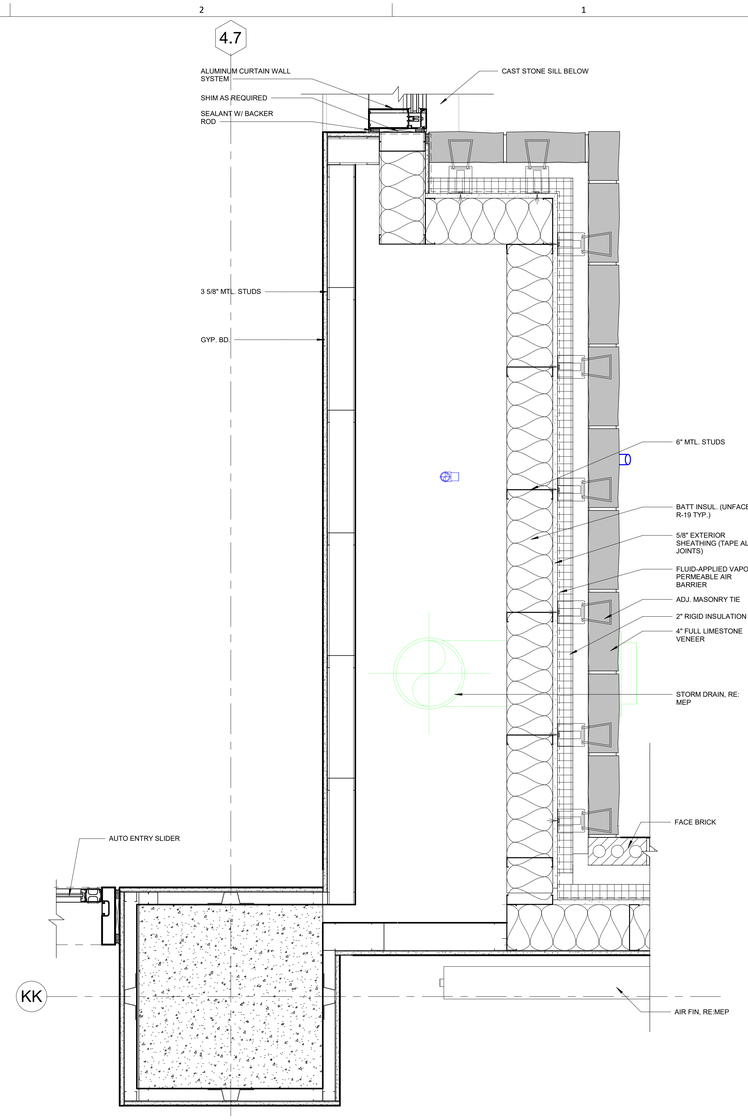
1/17/2023 9:49:28 AM



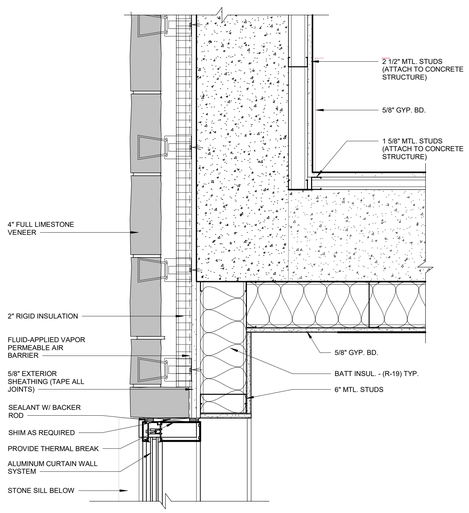
C6 PLAN DETAIL - BRICK AND EIFS AT ELEVATOR CORNER
1 1/2" = 1'-0"



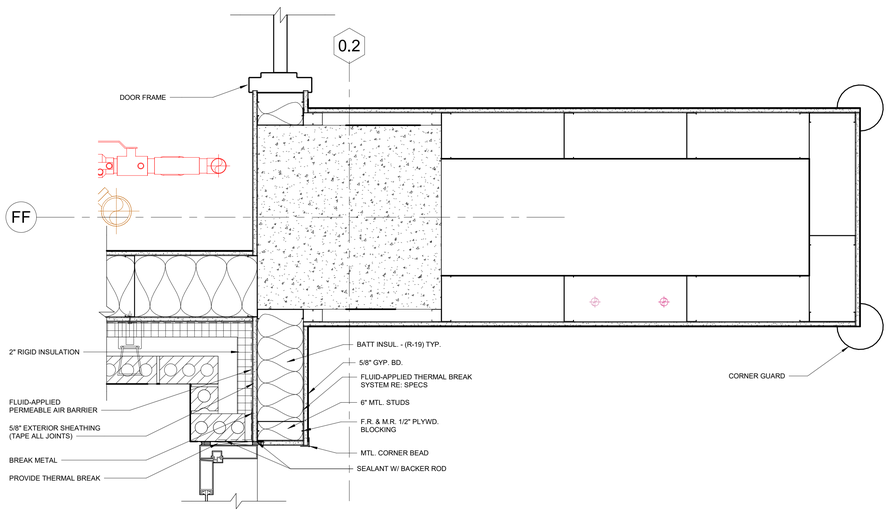
C4 PLAN DETAIL - EXTERIOR DOOR
1 1/2" = 1'-0"



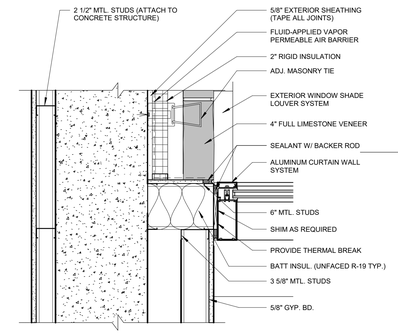
C2 PLAN DETAIL - TYP CHASE AND COLUMN
1 1/2" = 1'-0"



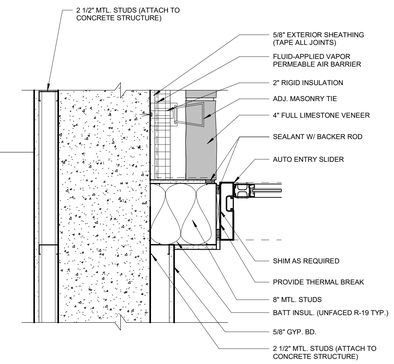
A6 PLAN DETAIL - STONE VENEER ON CONCRETE
1 1/2" = 1'-0"



A5 PLAN DETAIL
1 1/2" = 1'-0"



A2 PLAN DETAIL - STAIR E-S02 INTERIOR TO EXTERIOR CONNECTION
1 1/2" = 1'-0"



A1 PLAN DETAIL -JAMB AT AUTOMATIC DOORS
1 1/2" = 1'-0"

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As noted on these documents
City of Lee's Summit Development Services Department
Lee's Summit, Missouri
01/16/2024

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
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CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS

A616

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EXTERIOR PLAN DETAILS

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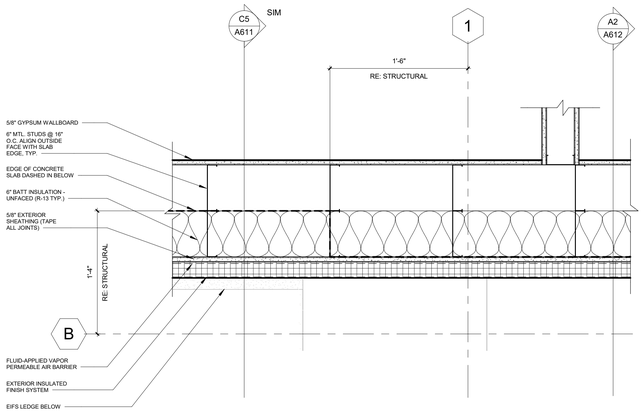
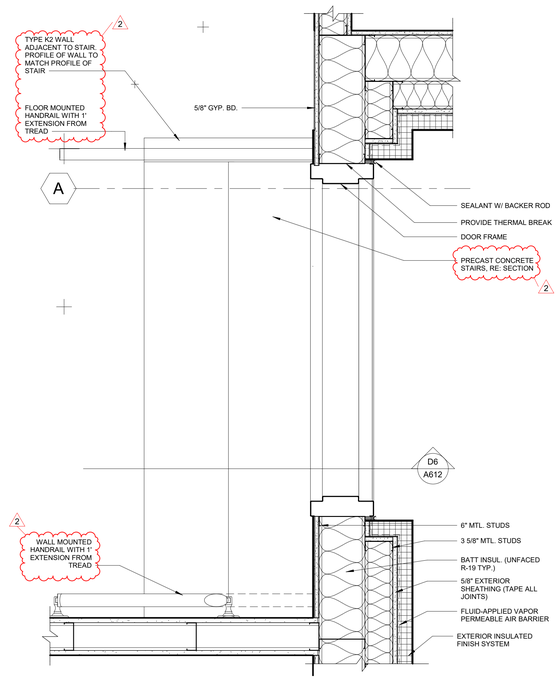
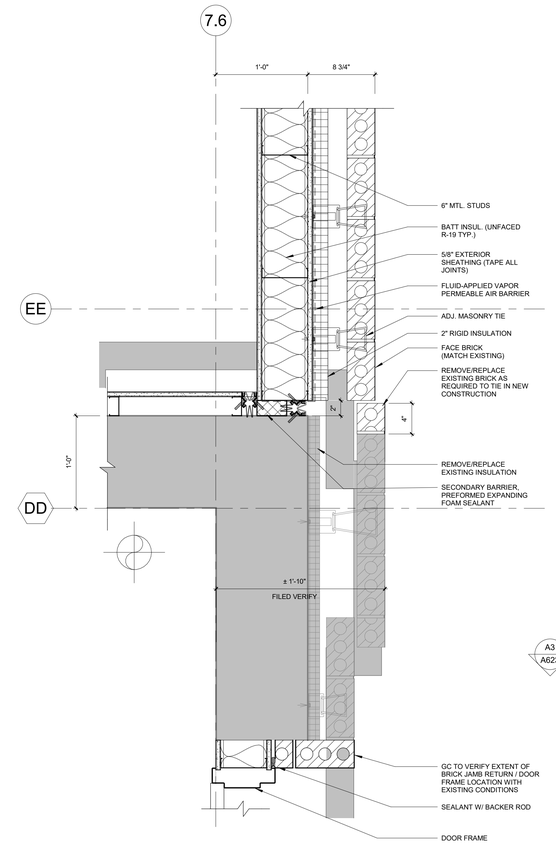


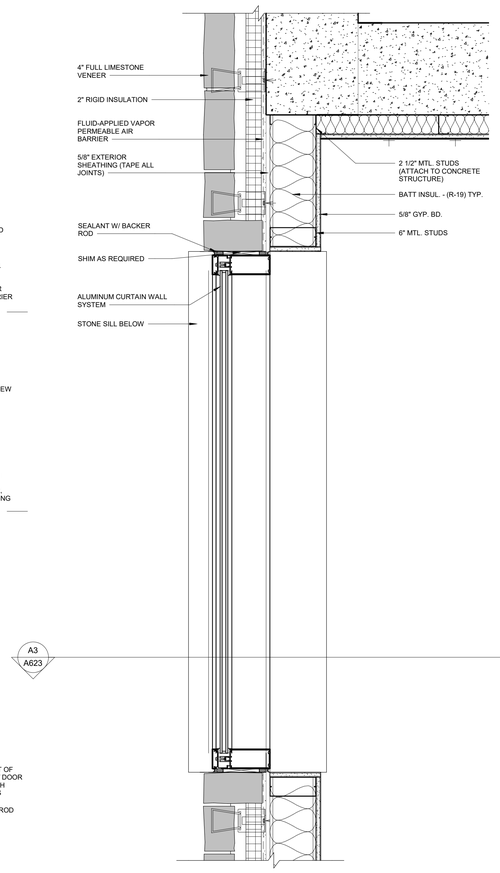
C6 PLAN DETAIL - SLAB EDGE JOG
1 1/2" = 1'-0"



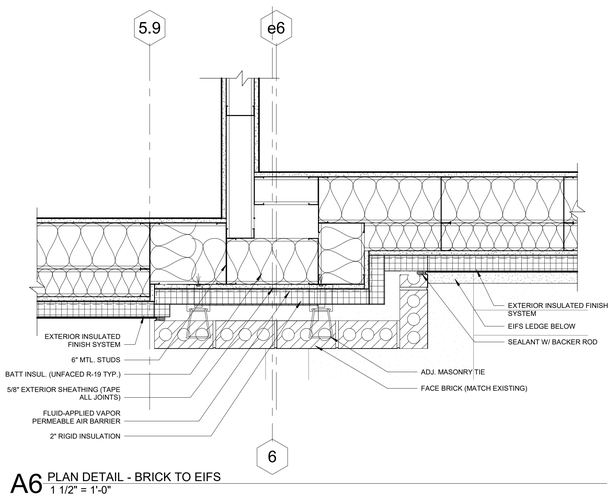
C5 PLAN DETAIL - THIRD FLOOR ROOF ACCESS
1 1/2" = 1'-0"



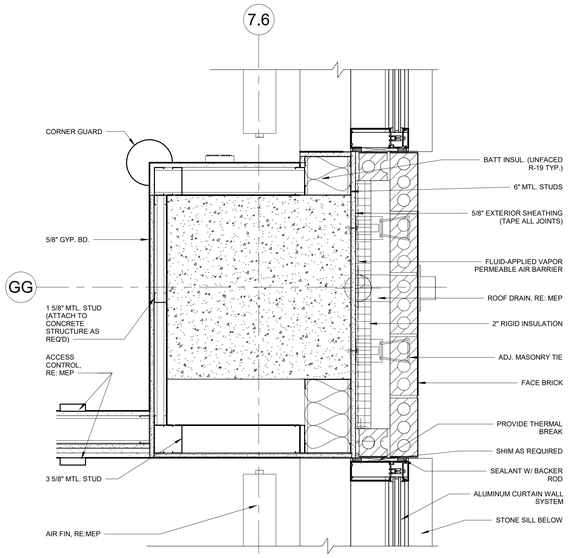
C3 PLAN DETAIL - EXISTING TO NEW TRANSITION SOUTH
1 1/2" = 1'-0"



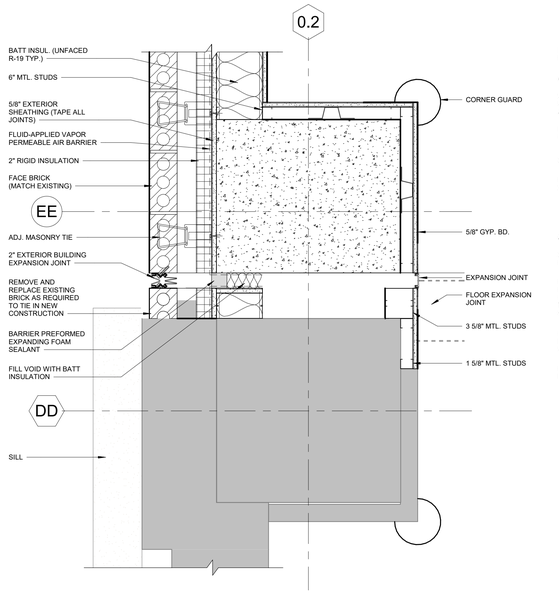
C1 PLAN DETAIL - STONE TO CURTAIN WALL
1 1/2" = 1'-0"



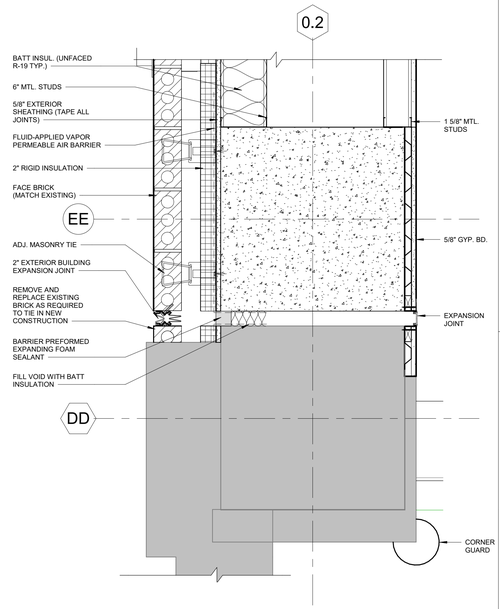
A6 PLAN DETAIL - BRICK TO EIFS
1 1/2" = 1'-0"



A5 PLAN DETAIL - TYPICAL EXTERIOR WALL @ CANOPY ROOF DRAINS
1 1/2" = 1'-0"



A3 PLAN DETAIL - EXISTING TO NEW TRANSITION
1 1/2" = 1'-0"



A1 PLAN DETAIL - EXISTING TO NEW TRANSITION
1 1/2" = 1'-0"

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As noted on this sheet
Kansas City Services Department
Kansas City, Missouri
01/16/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
NUMBER A-2011012130
ARCHITECT

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

CIVIL CONSULTANT

BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number:
#001355

STRUCTURAL CONSULTANT

Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#000396

MEP CONSULTANT

IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
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CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description
2	2-10-23	ADDENDUM #2

CONSTRUCTION DOCUMENTS

A617

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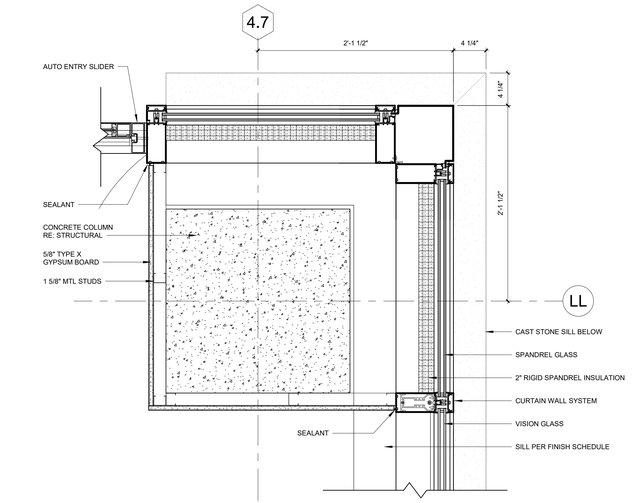
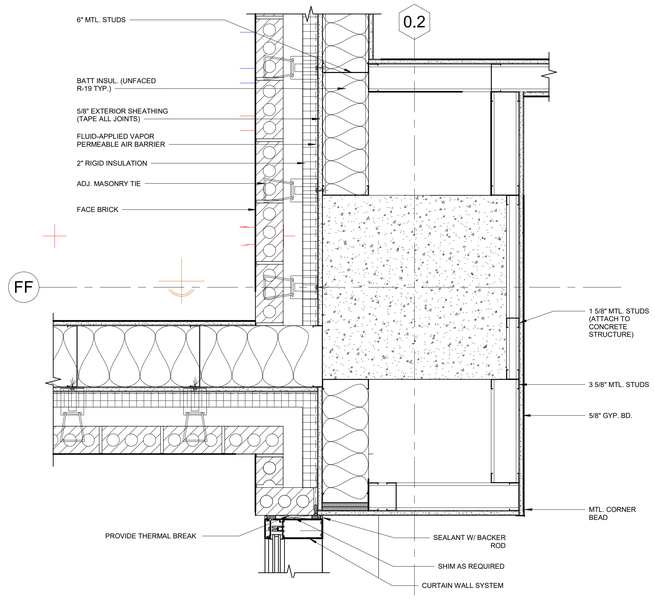
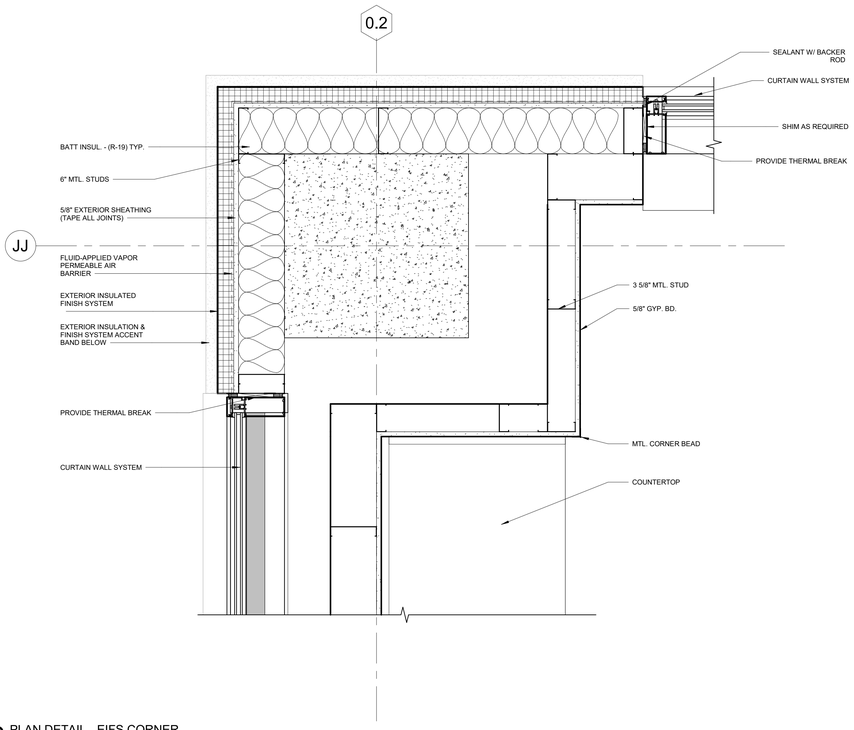
EXTERIOR PLAN DETAILS



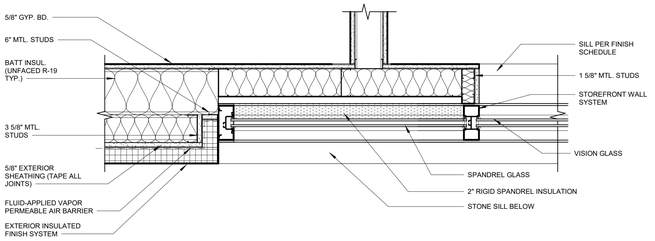
D6 PLAN DETAIL - VESTIBULE COLUMN - FIRST FLOOR
1 1/2" = 1'-0"



D4 PLAN DETAIL - AHU ROOF AND BRICK WALL
1 1/2" = 1'-0"

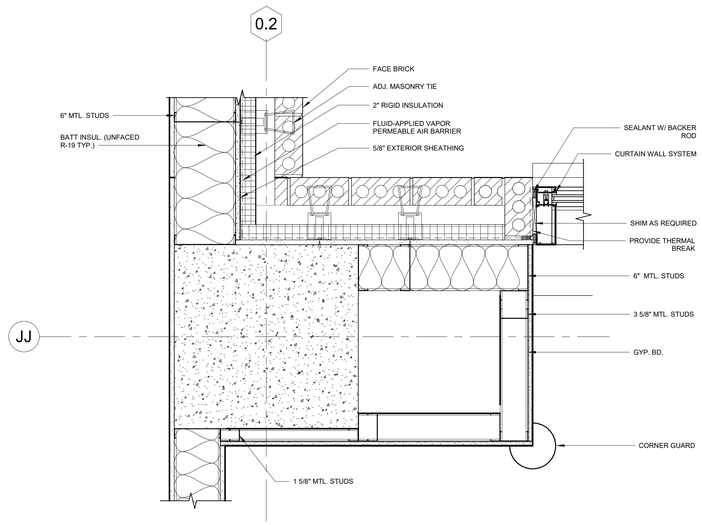


C3 PLAN DETAIL - EIFS CORNER
1 1/2" = 1'-0"

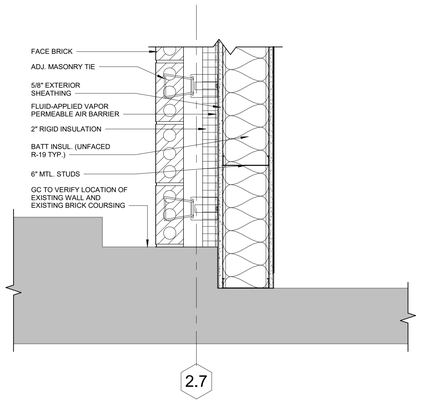


C6 PLAN DETAIL - FURRING @ SPANDRAL GLASS PANEL
1 1/2" = 1'-0"

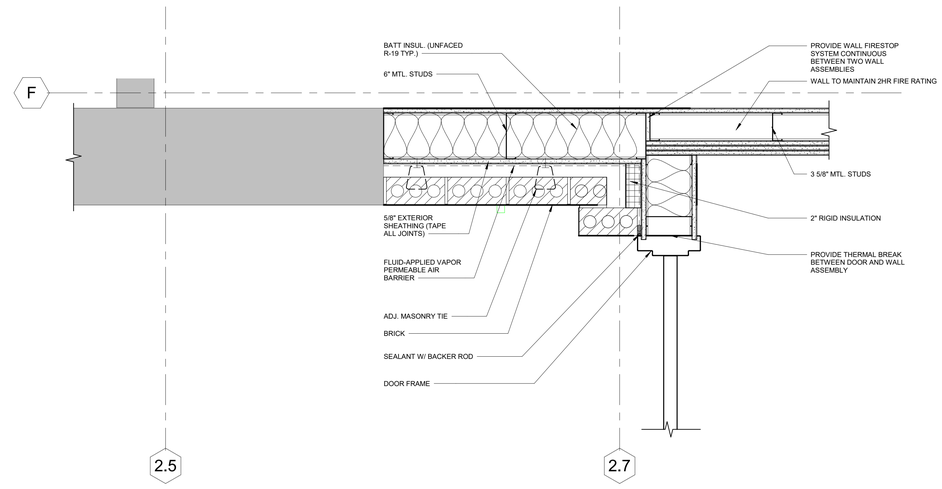
C4 PLAN DETAIL - ELEVATOR SHAFT TO EXTERIOR WALL
1 1/2" = 1'-0"



A6 PLAN DETAIL - COLUMN @ AHU
1 1/2" = 1'-0"



A4 PLAN DETAIL - STAIR WALL TO EXISTING
1 1/2" = 1'-0"



A3 PLAN DETAIL - EXTERIOR WALL INFILL AT STAIR
1 1/2" = 1'-0"

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Per Building Services Department
Lee's Summit, Missouri
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1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

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ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
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CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number:
#001355

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1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
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#000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
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EAST HOSPITAL
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100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS

A618

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EXTERIOR PLAN DETAILS

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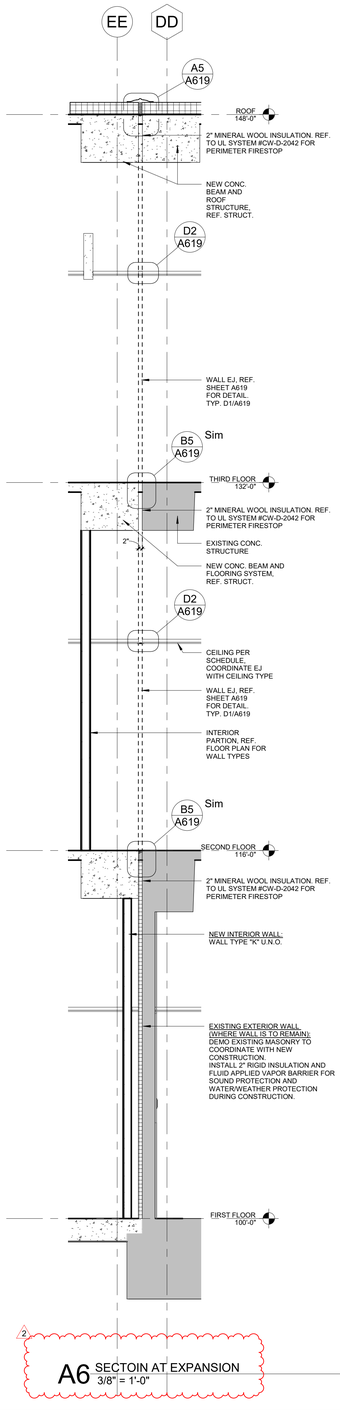
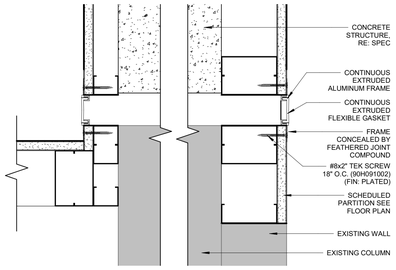
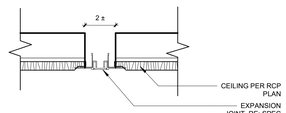


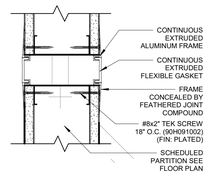
A6 SECTOIN AT EXPANSION
3/8" = 1'-0"



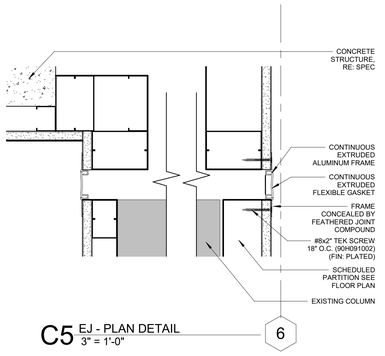
D3 EJ - PLAN DETAIL
3" = 1'-0"



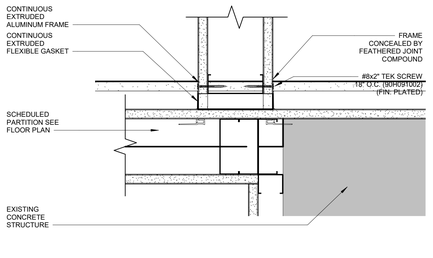
D2 TYP. EXPANSION JOINT @ LAY-IN CEILING
3" = 1'-0"



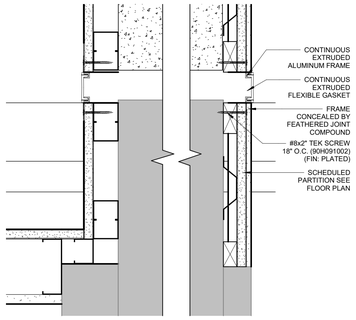
D1 EJ - PLAN DETAIL AT NON-RATED WALL
3" = 1'-0"



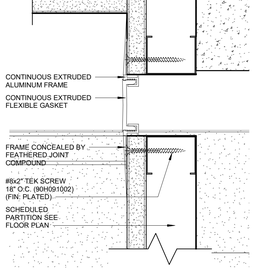
C5 EJ - PLAN DETAIL
3" = 1'-0"



C3 EJ - PLAN DETAIL
3" = 1'-0"

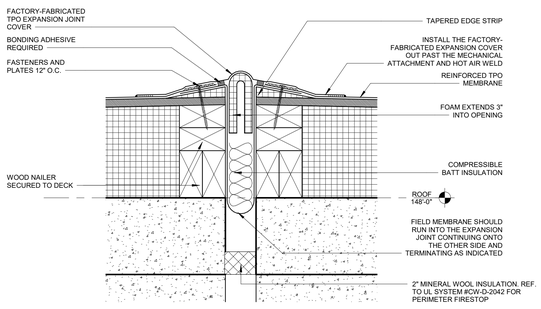


C2 EJ - PLAN DETAIL
3" = 1'-0"

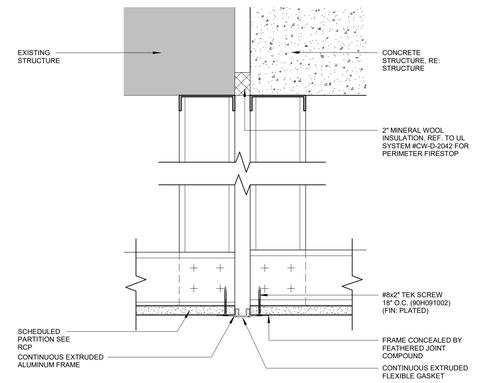


C1 EJ - PLAN DETAIL
6" = 1'-0"

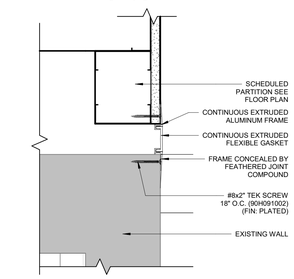
B5 FLOOR TO FLOOR EXPANSION JOINT
3" = 1'-0"



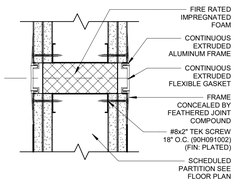
A5 ROOF EXPANSION JOINT
3" = 1'-0"



A3 EJ AT GYP CEILING
3" = 1'-0"



A2 EJ - PLAN DETAIL AT EXISTING WALL
3" = 1'-0"



A1 2" EJ AT RATED WALL
3" = 1'-0"

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Planning & Development Services Department
Lee's Summit, Missouri
01/16/2024

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Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number: #001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #00127265

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
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Revision

Number	Date	Description
2	2-10-23	ADDENDUM #2

CONSTRUCTION DOCUMENTS

A619

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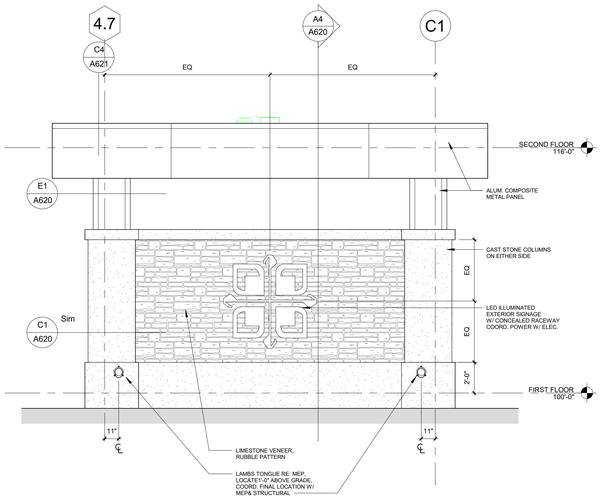
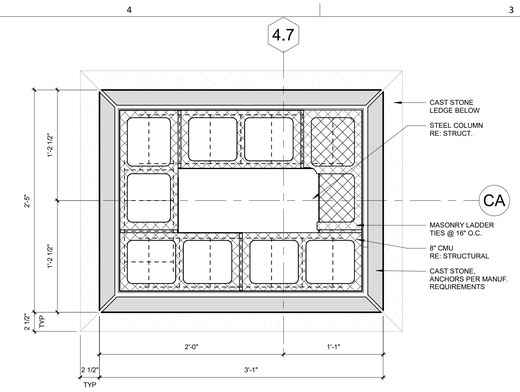
EXPANSION JOINT DETAILS

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/3-21037_ASC Expansion & Renovation.rvt

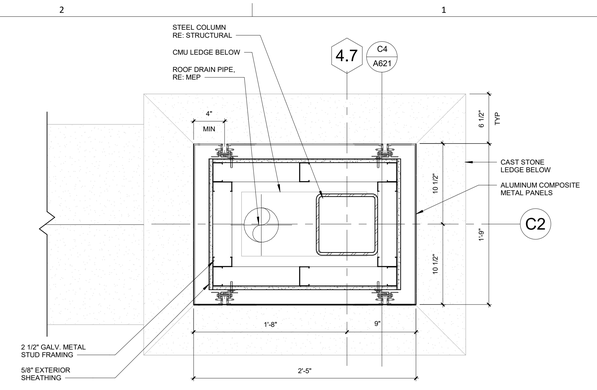
2/12/2023 8:21:27 PM



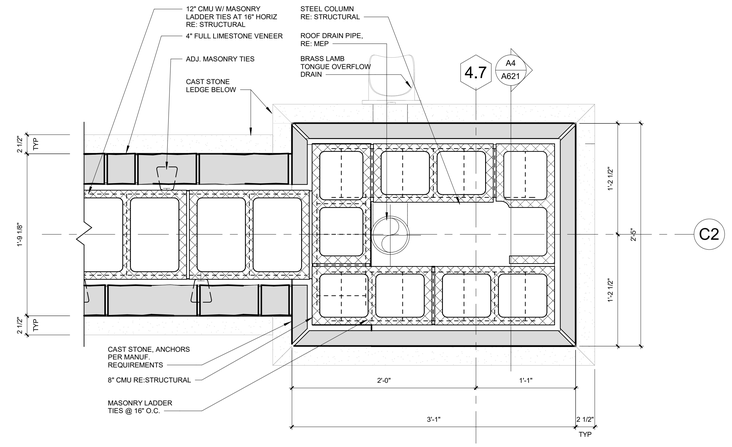
D6 CANOPY WALL ELEVATION
1/4" = 1'-0"



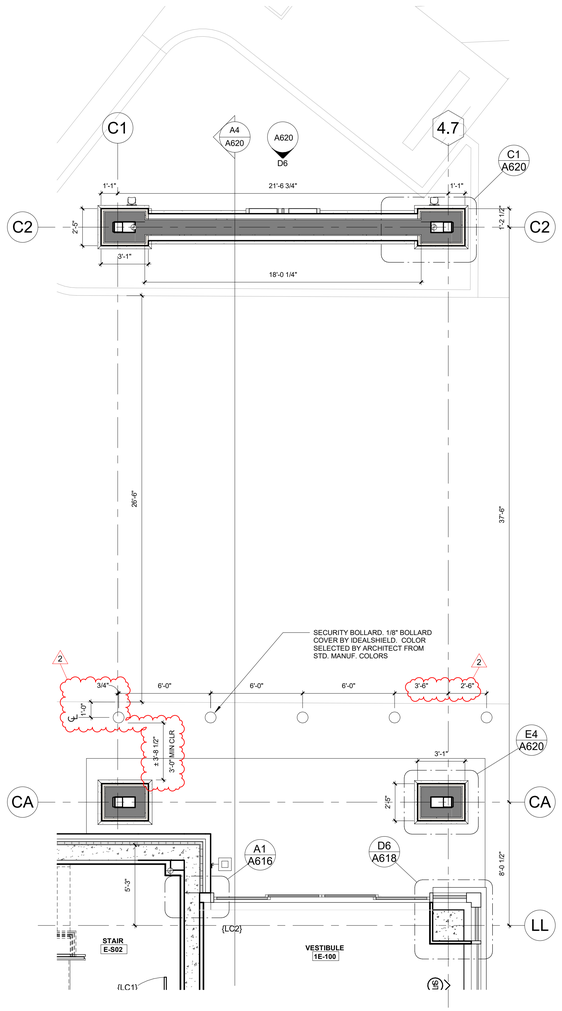
E4 PLAN DETAIL - CAST STONE ENTRY COLUMN
1 1/2" = 1'-0"



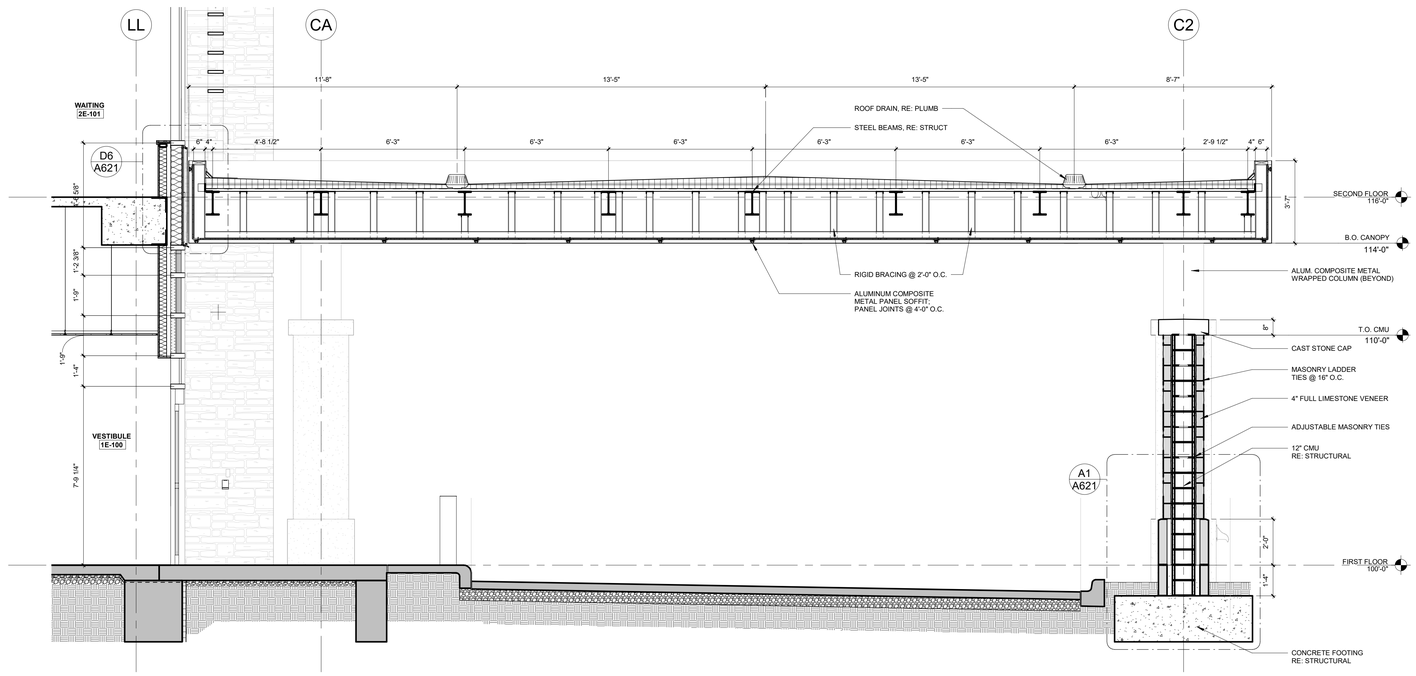
E1 PLAN DETAIL - ENTRY COLUMN, METAL PANEL (TOP)
1 1/2" = 1'-0"



C1 PLAN DETAIL - STONE WALL @ ENTRY COLUMN
1 1/2" = 1'-0"



A6 ENLARGED PLAN - DRIVE THRU CANOPY
1/4" = 1'-0"



A4 WALL SECTION - DRIVE THRU CANOPY
3/8" = 1'-0"

RELEASED FOR CONSTRUCTION
As noted on Plans
Per Building Services Department
Lee's Summit, Missouri
01/16/2024

1/16/2023
Samuel K. Beckman - Architect
License - Missouri #A-2011012130

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ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
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BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number: #001355

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816.842.8437
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816.842.8437
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CONSTRUCTION DOCUMENTS

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100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
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2	2-10-23	ADDENDUM #2

CONSTRUCTION DOCUMENTS

A620

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CANOPY SECTIONS & DETAILS

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Lee's Summit, Missouri
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ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
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CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
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Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
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MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
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CONSTRUCTION DOCUMENTS

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CONSTRUCTION DOCUMENTS

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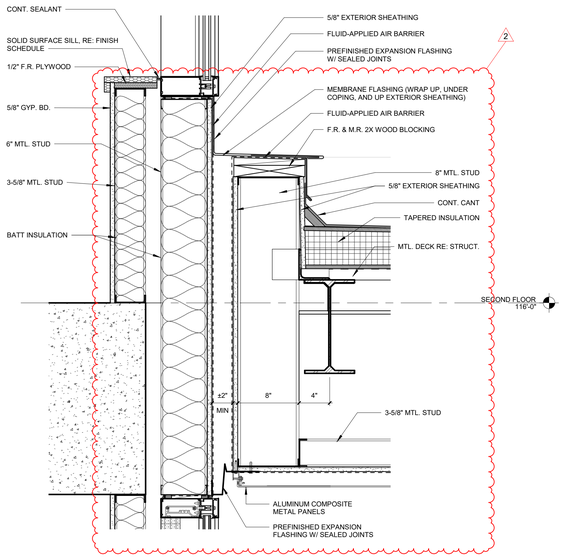
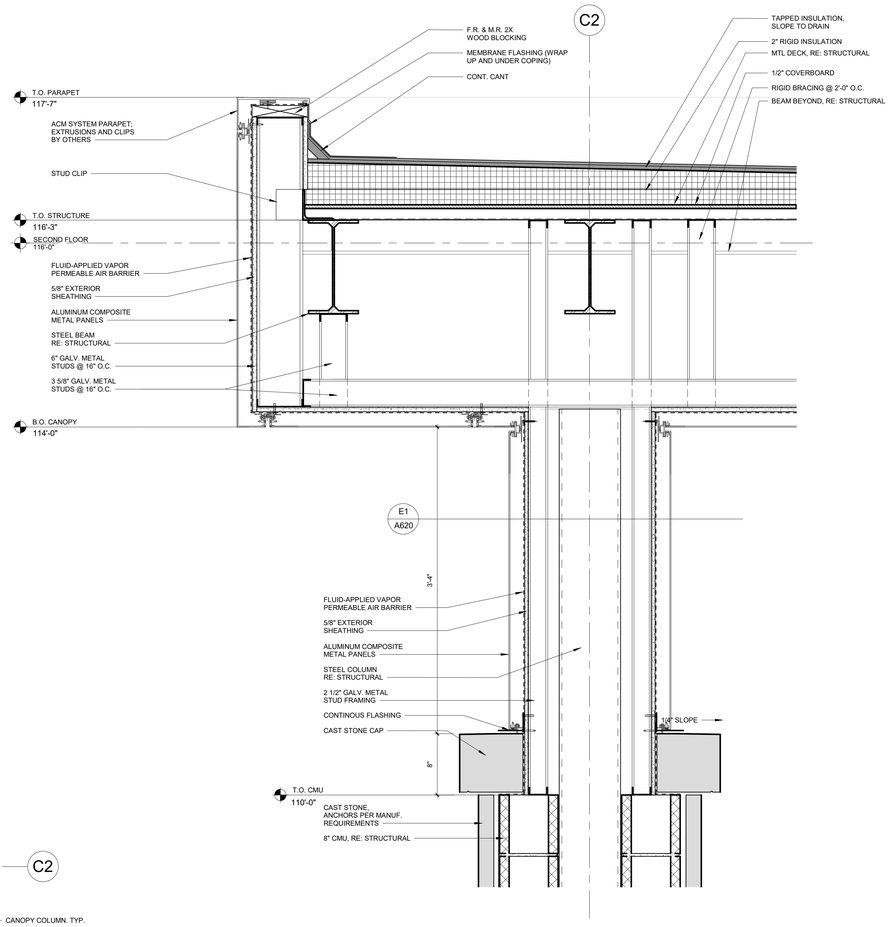
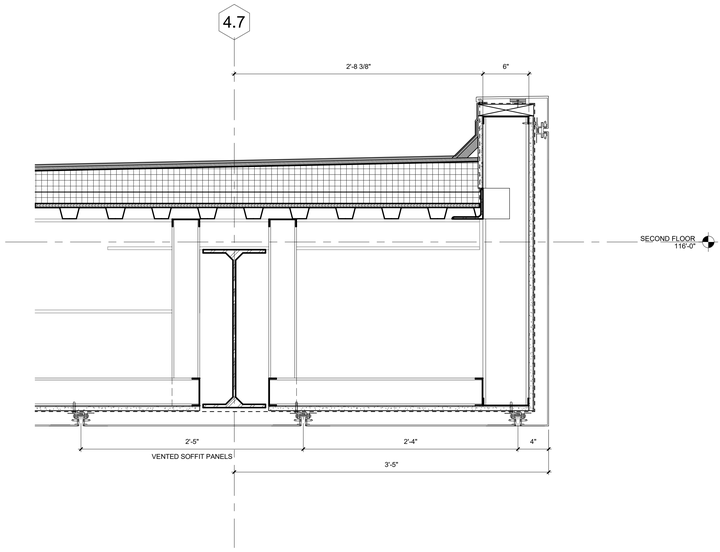
CANOPY SECTIONS & DETAILS



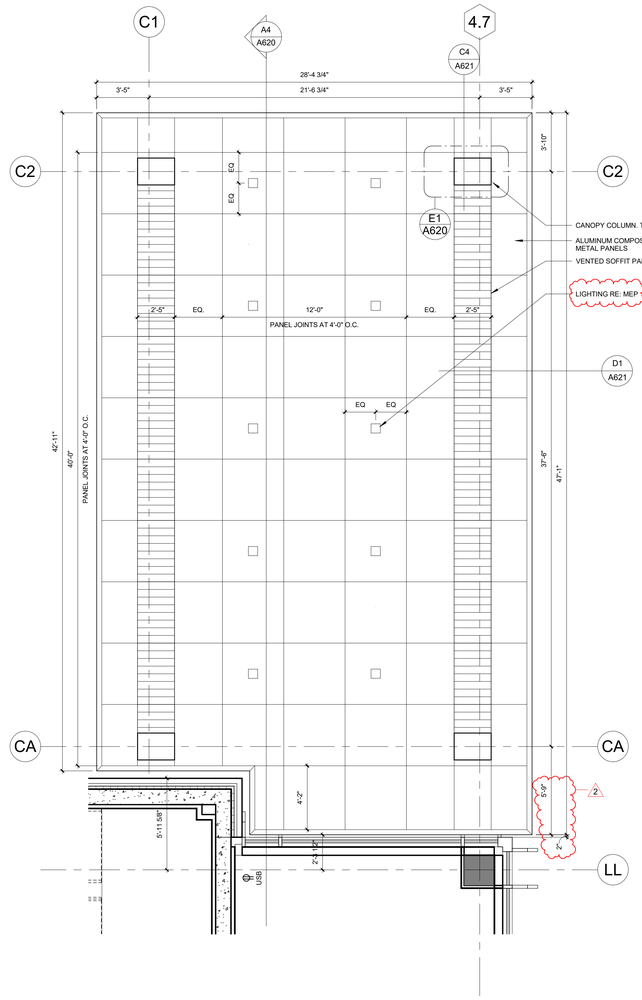
D6 DETAIL - CURTAIN WALL TO CANOPY FLASHING
1 1/2" = 1'-0"



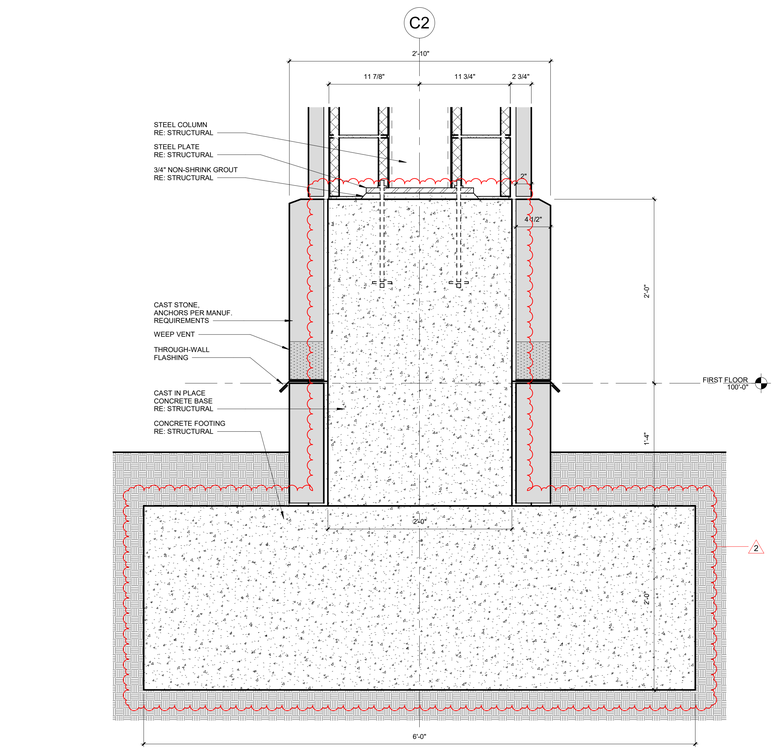
C4 DETAIL - CANOPY COLUMN & FACIA
1 1/2" = 1'-0"



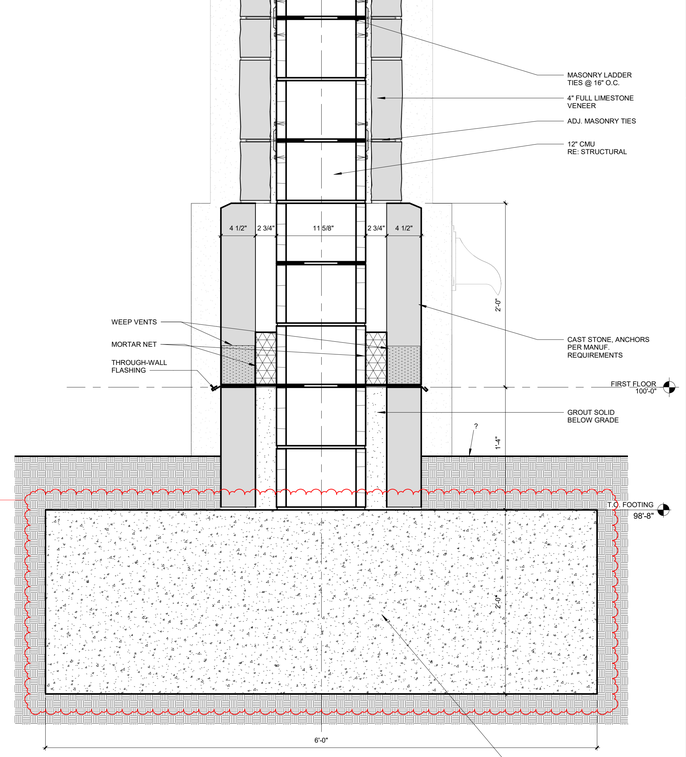
D1 DETAIL - CANOPY FACIA
1 1/2" = 1'-0"



A6 ENLARGED RCP - DRIVE THRU CANOPY
1/4" = 1'-0"

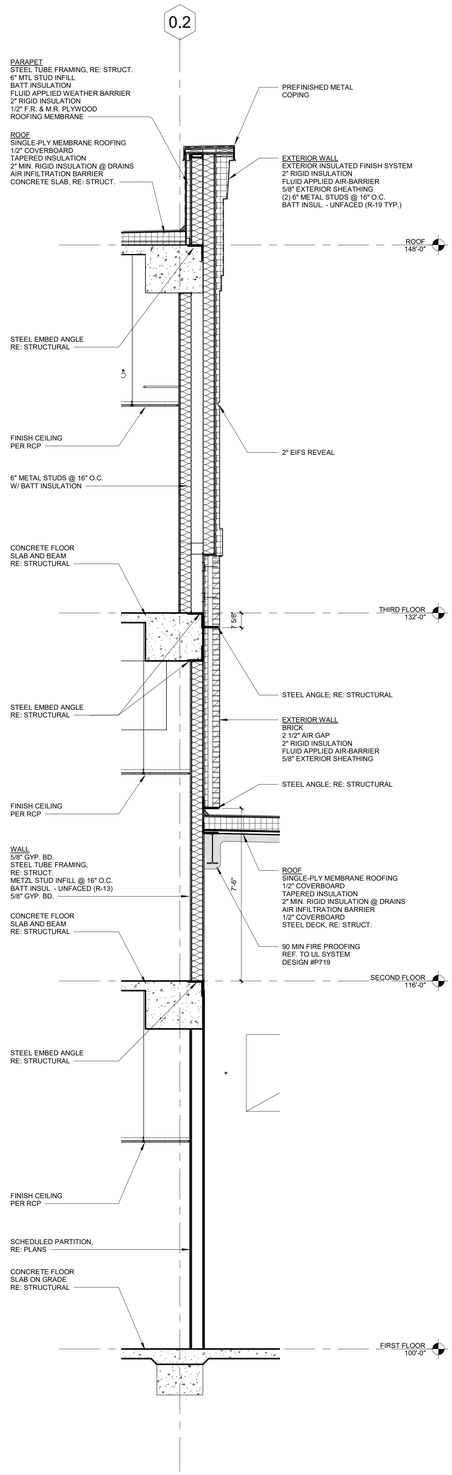


A4 DETAIL - COLUMN BASE
1 1/2" = 1'-0"

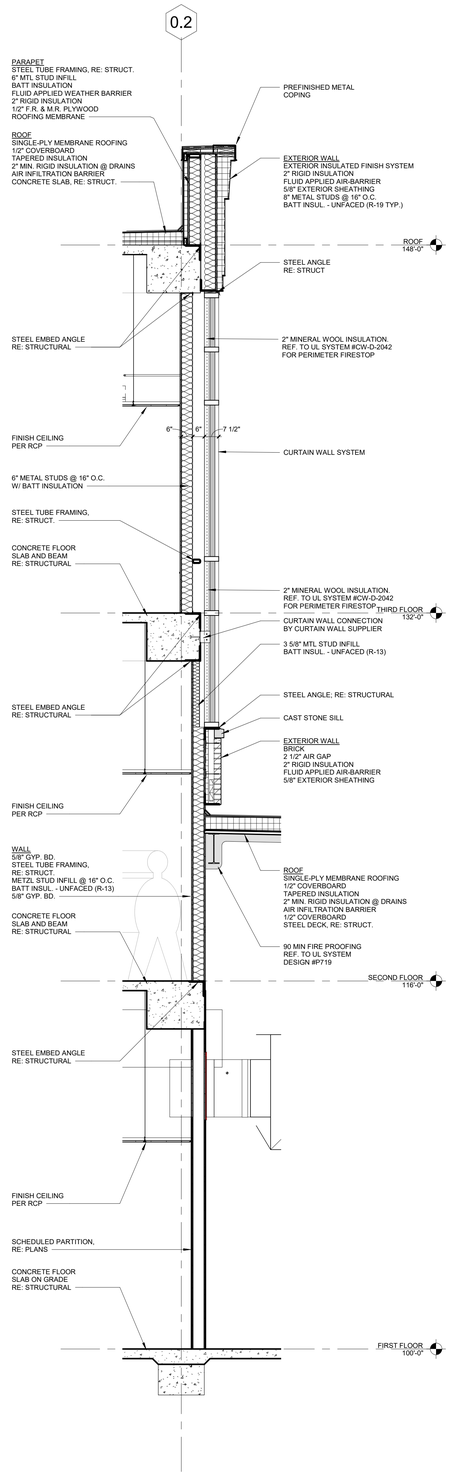


A1 DETAIL - STONE WALL BASE
1 1/2" = 1'-0"

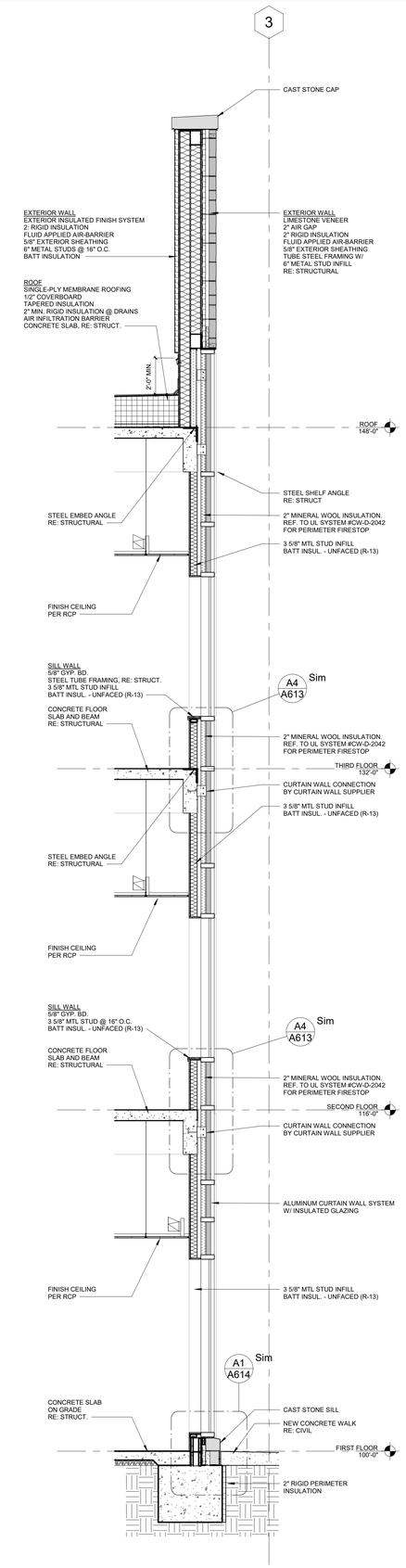
BIM 360://3-21037 SLE - ASC Expansion - Revit 2021\3-21037_ASC Expansion & Renovation.rvt
2/1/22023 8:21:33 PM



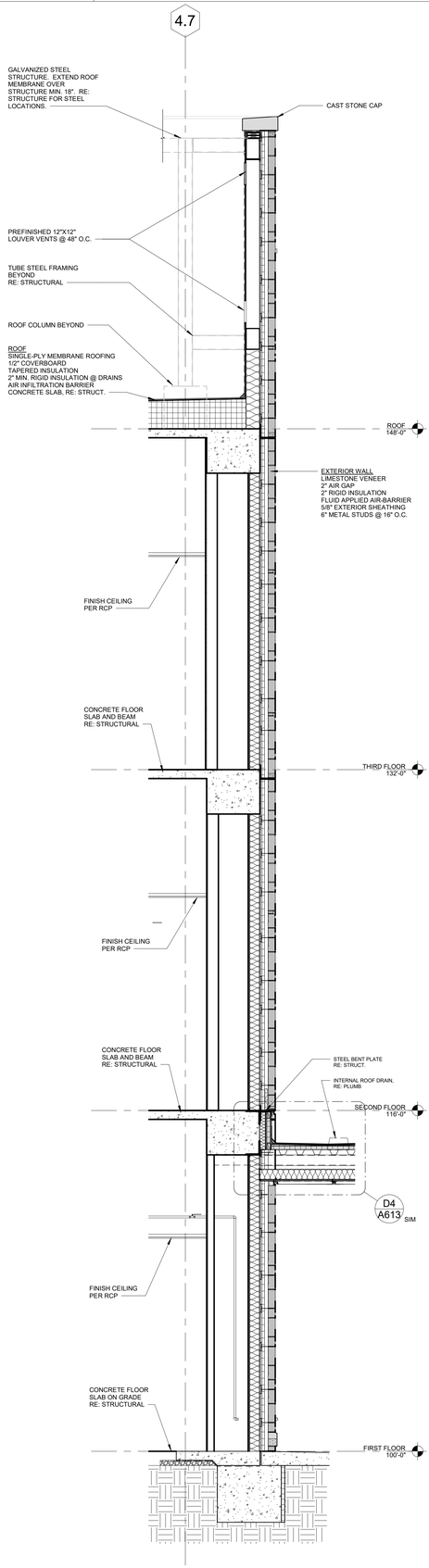
A5 WALL SECTION - ABOVE AHU ROOM
3/8" = 1'-0"



A4 WALL SECTION - ABOVE AHU ROOM THRU WINDOWS
3/8" = 1'-0"



A3 WALL SECCTION - CURTAIN WALL @ ELEVATOR LOBBY
3/8" = 1'-0"



A1 WALL SECTION - ENTRY VESTIBULE EAST
3/8" = 1'-0"

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Building Services Department
Lee's Summit, Missouri
01/16/2024

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
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Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
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IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
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CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description
2	2-10-23	ADDENDUM #2

2

CONSTRUCTION DOCUMENTS
A623

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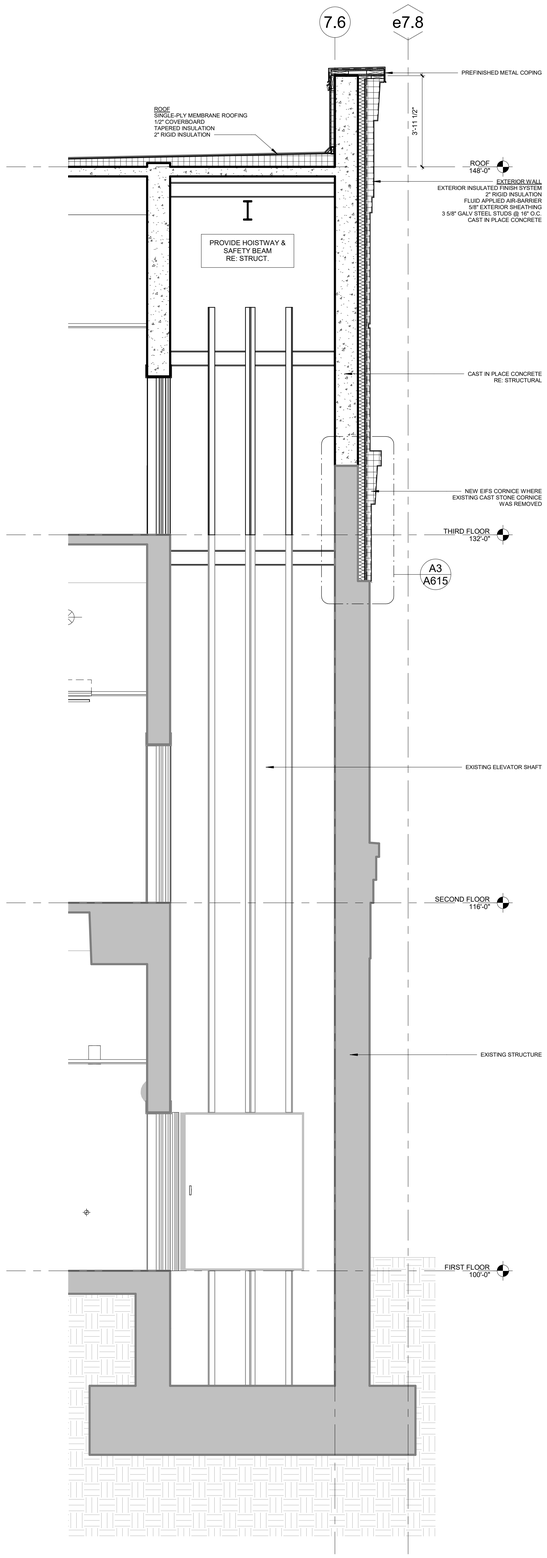
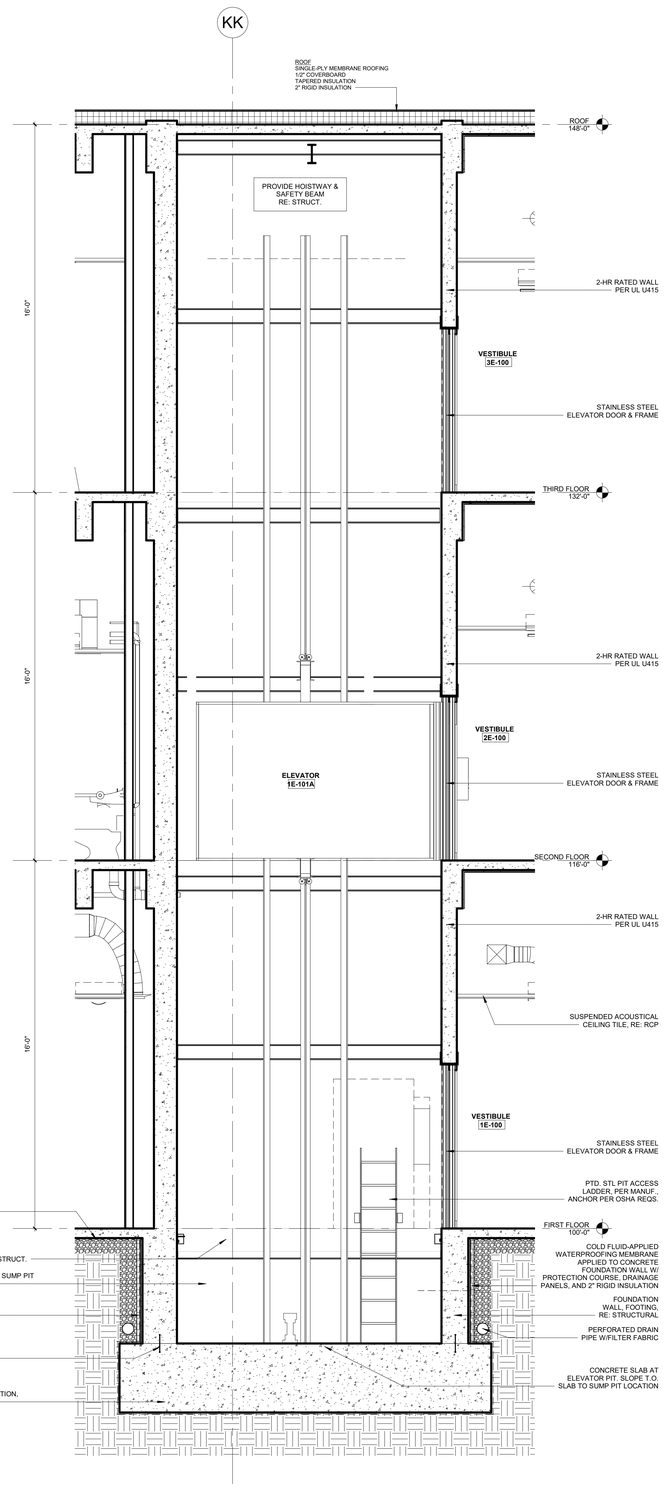
WALL SECTIONS

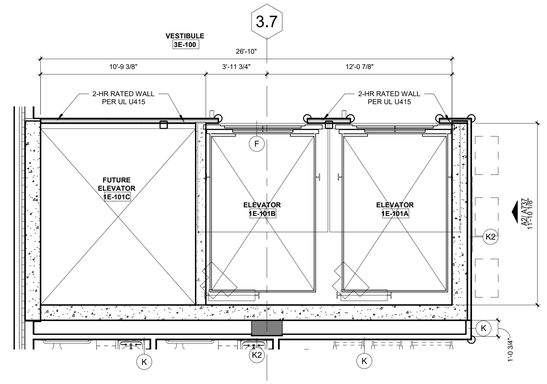
2/12/2023 8:21:45 PM



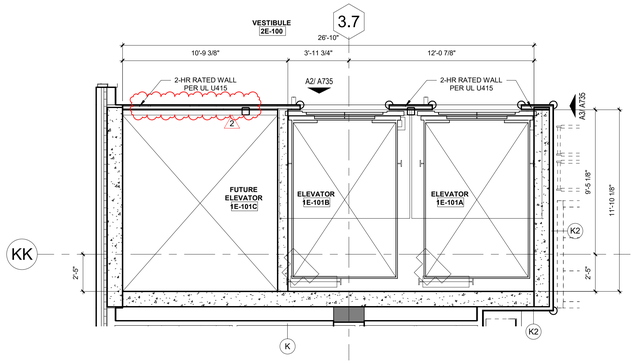
E6 Detail 19
3/8" = 1'-0"



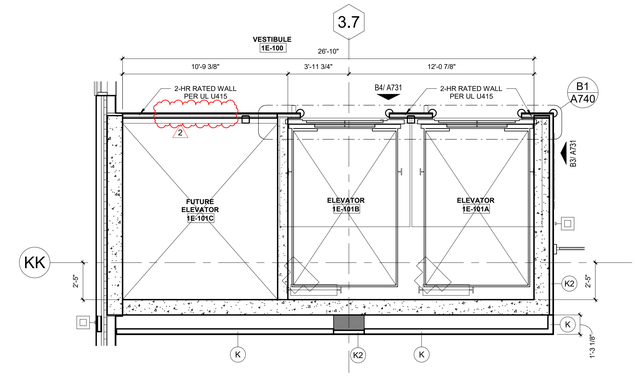
E3 Section 32
3/8" = 1'-0"



E1 03 - MULTISPECIALTY - DIMENSION PLAN - Callout 1
1/4" = 1'-0"



C1 ROCKHILL - ELEVATORS
1/4" = 1'-0"



A1 01 - ASC - ANNOTATION PLAN - AREA A - Callout 1
1/4" = 1'-0"

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Kansas City Services Department
Kansas City, Missouri
01/16/2024

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SAMUEL K. BECKMAN
A-2011012130
ARCHITECT

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
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BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number:
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Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
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MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
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CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
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Revision

Number	Date	Description
2	2-10-23	ADDENDUM #2

CONSTRUCTION DOCUMENTS

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ELEVATOR PLANS & SECTIONS

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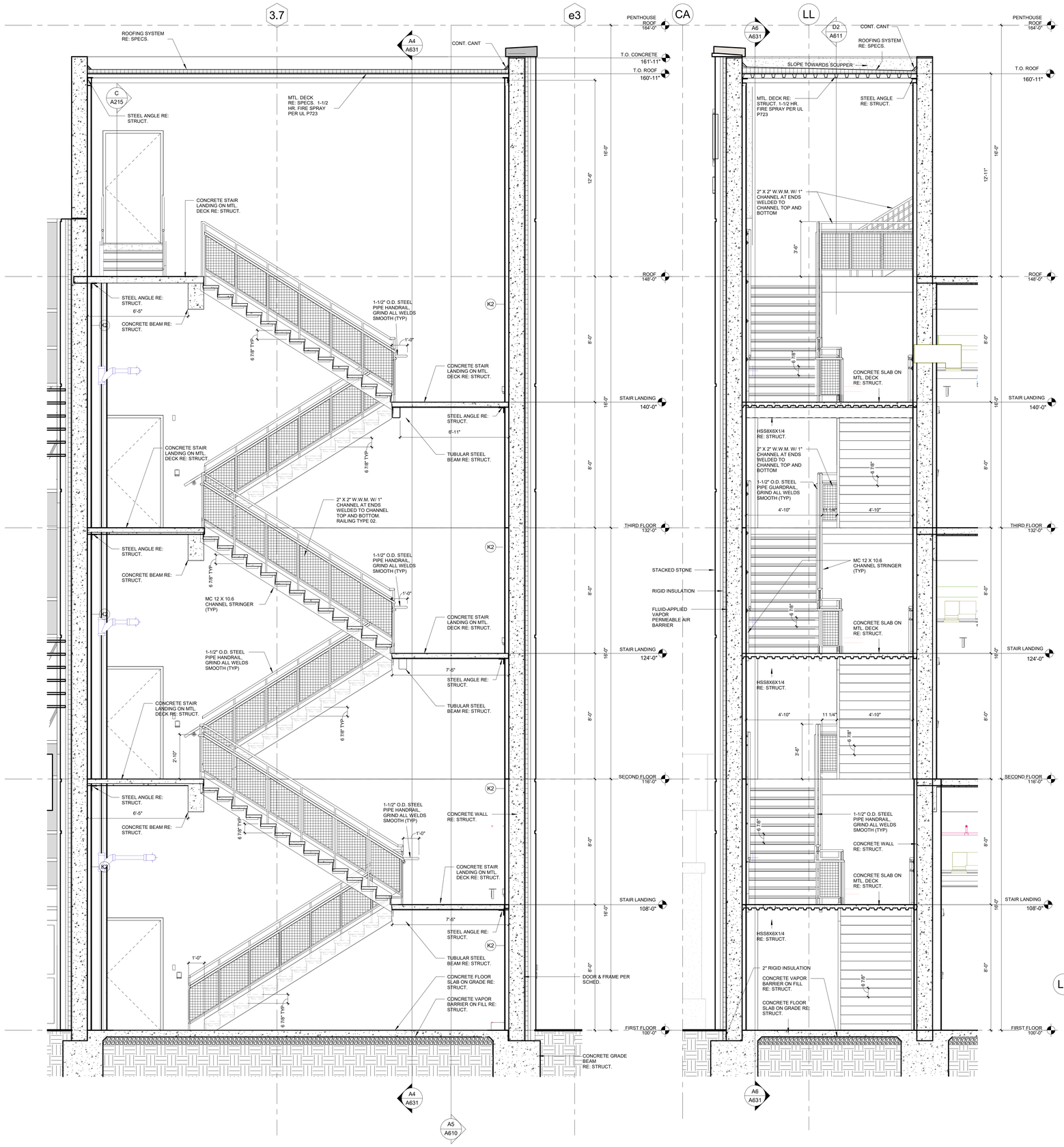
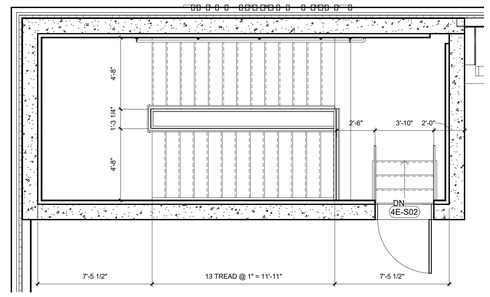
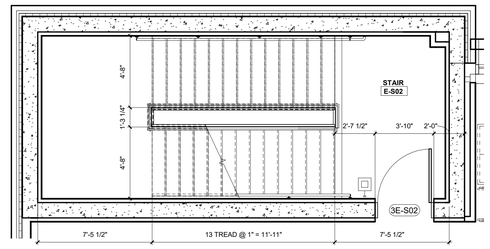


A6 STAIR SECTION - E-S02 DOUBLE STAIR TOWER
3/8" = 1'-0"

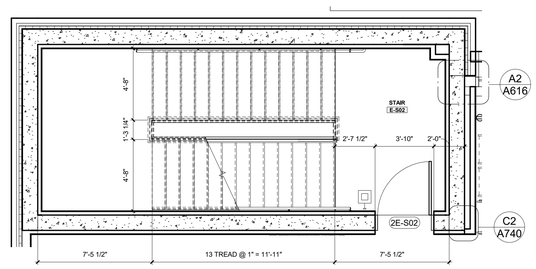
A4 STAIR SECTION - E-S02 DOUBLE STAIR TOWER
3/8" = 1'-0"



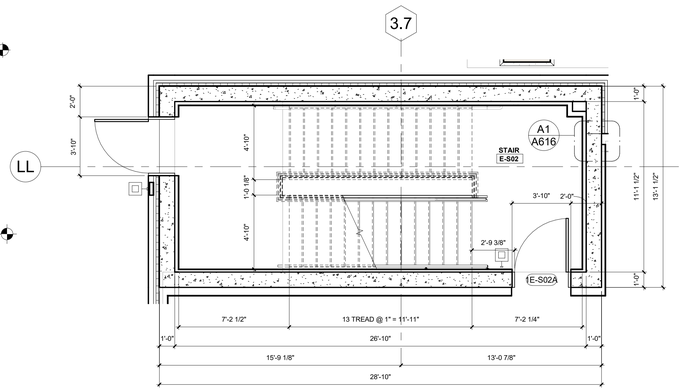
D2 ENLARGED PLAN - ROOF LEVEL STAIR E-S02
1/4" = 1'-0"



C2 ENLARGED PLAN - THIRD FLOOR STAIR E-S02
1/4" = 1'-0"



B2 ENLARGED PLAN - SECOND FLOOR STAIR E-S02
1/4" = 1'-0"



A2 ENLARGED PLAN - FIRST FLOOR STAIR E-S02
1/4" = 1'-0"

RELEASED FOR CONSTRUCTION
As noted on Permit Set
Permit Services Department
Lee's Summit, Missouri
10/18/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
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CIVIL CONSULTANT

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7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
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Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
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IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
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EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
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STAIR PLANS & SECTIONS

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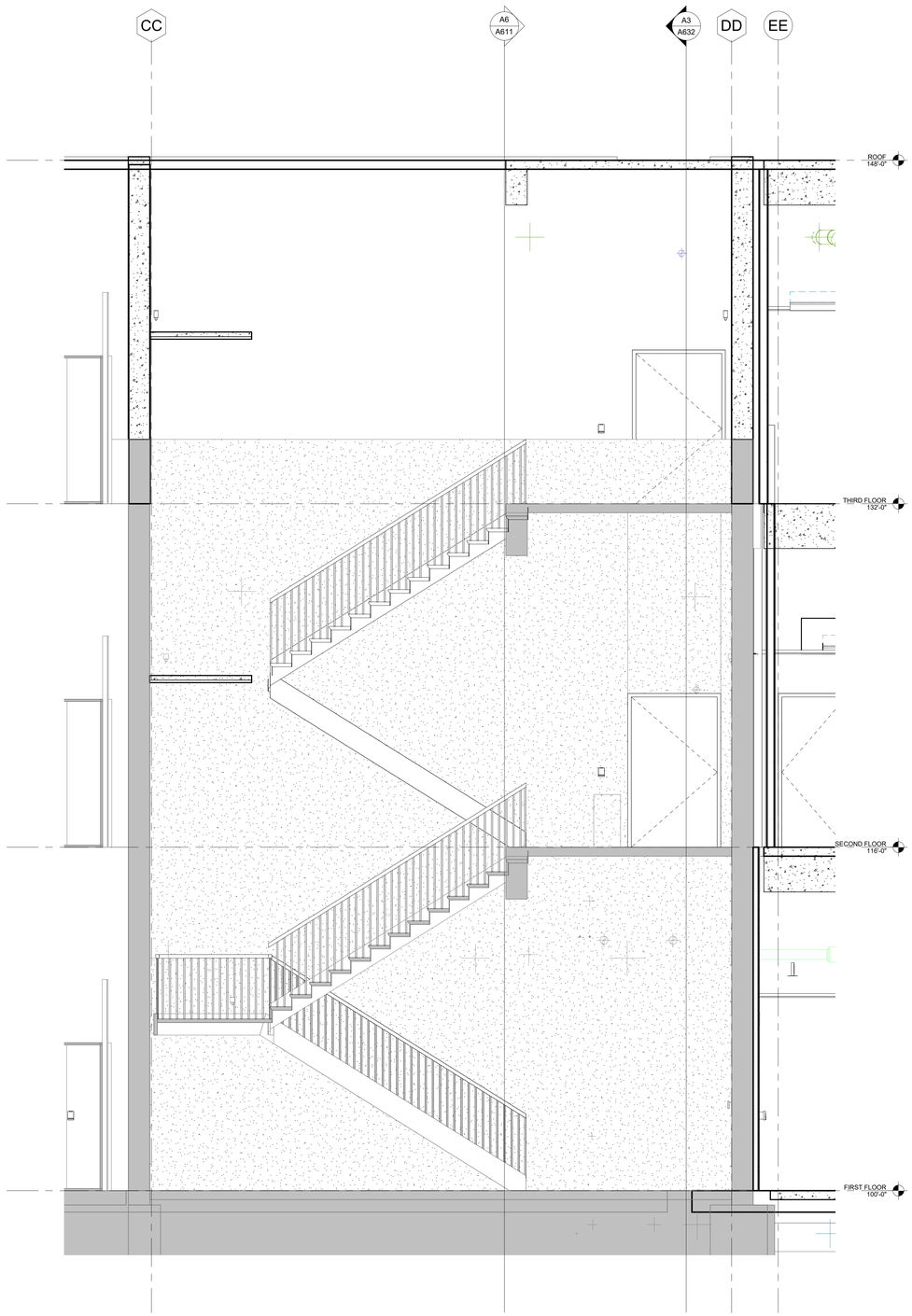
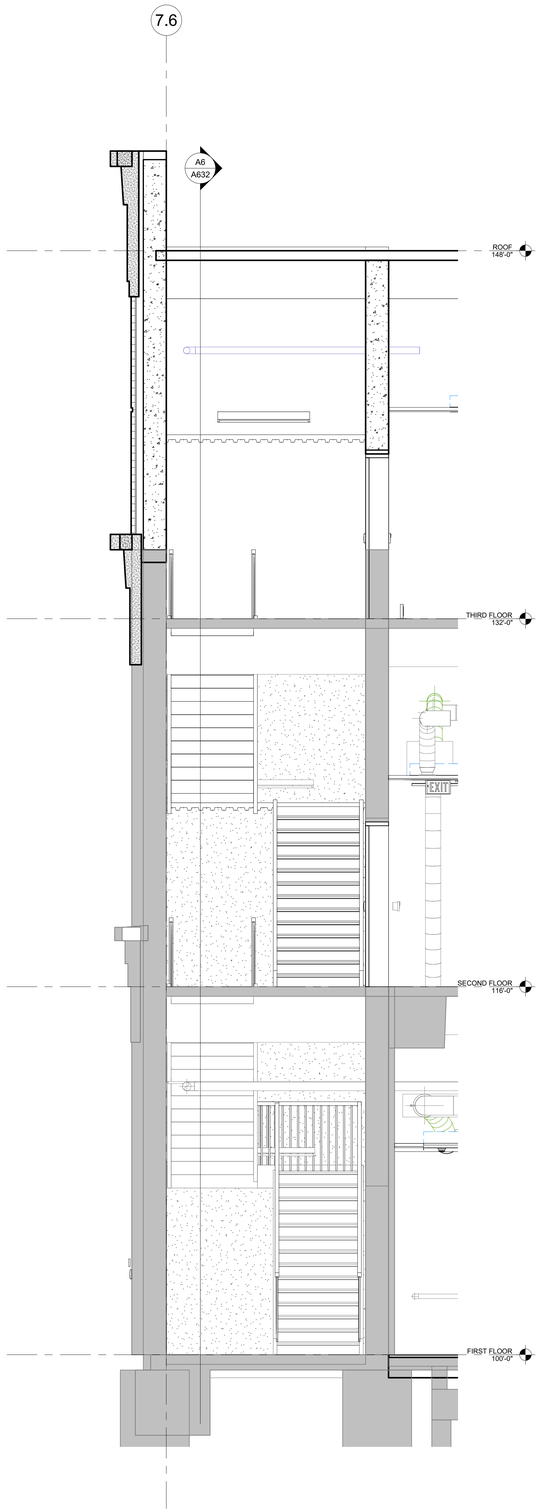
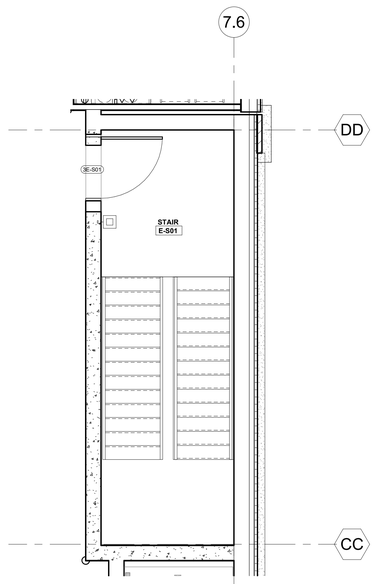


A6 STAIR SECTION - STAIR E-S01
3/8" = 1'-0"



A3 STAIR SECTION - STAIR E-S01
3/8" = 1'-0"



A1 ENLARGED PLAN - THIRD FLOOR STAIR E-S01
1/4" = 1'-0"

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As noted on drawings
Planning & Zoning Services Department
City of Lee's Summit, Missouri
01/16/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
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CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number:
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STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
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#000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#00127265

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CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
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CONSTRUCTION DOCUMENTS

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STAIR PLANS & SECTIONS

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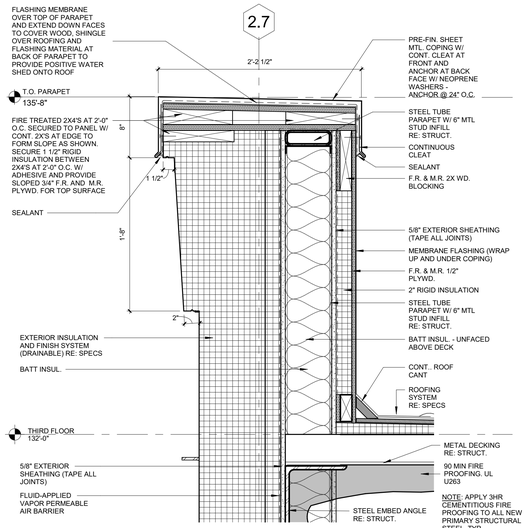
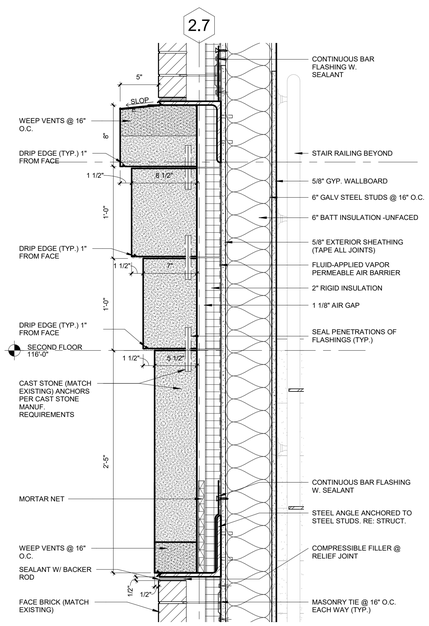
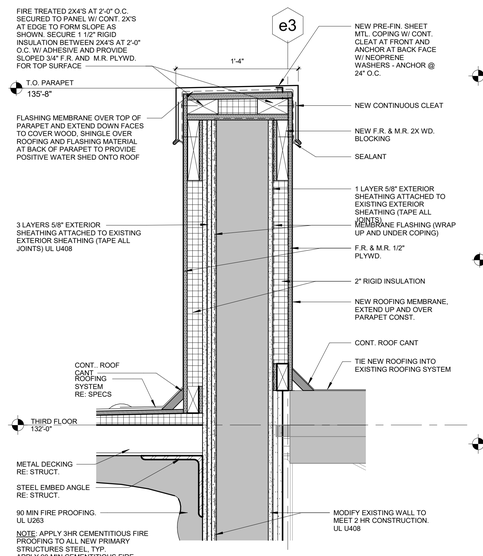


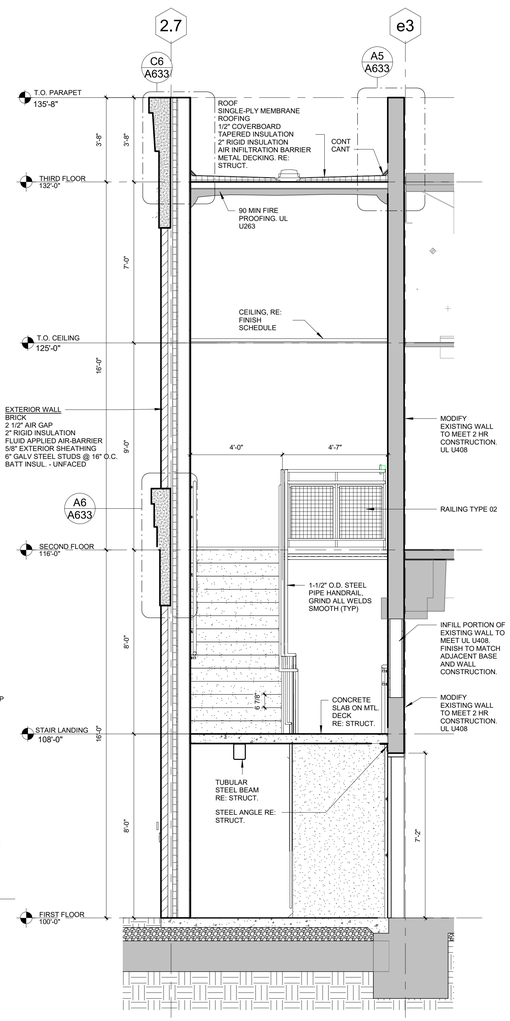
C6 DETAIL - PARAPET W/ EIFS CORNICE
1 1/2" = 1'-0"



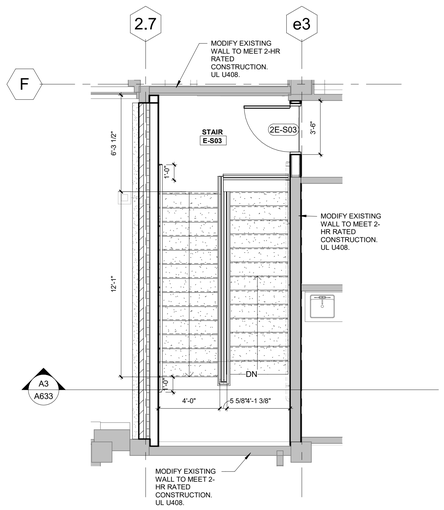
A6 EXTERIOR CAST STONE CORNICE DETAIL
1 1/2" = 1'-0"



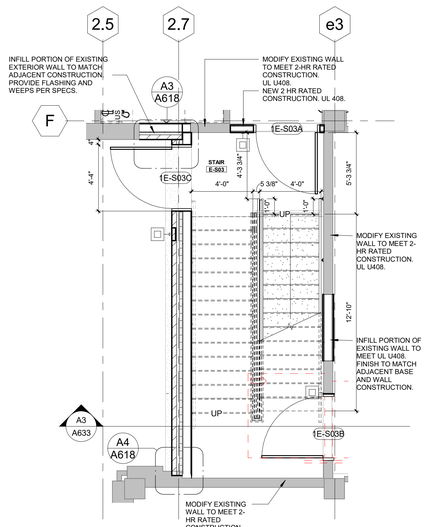
A5 DETAIL - WALL TO EXISTING ROOF CONDITION
1 1/2" = 1'-0"



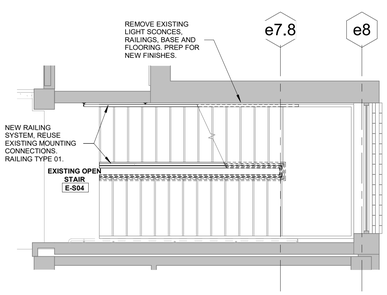
A3 STAIR SECTION - E-S03
3/8" = 1'-0"



C2 ENLARGED PLAN - SECOND FLOOR STAIR E-S03
1/4" = 1'-0"



A2 ENLARGED PLAN - FIRST FLOOR STAIR E-S03
1/4" = 1'-0"



A1 ENLARGED PLAN - FIRST FLOOR STAIR E-S04
1/4" = 1'-0"

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As noted on this sheet
By Building Services Department
Kansas City, Missouri
01/16/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

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ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
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CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
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1000 Walnut, Suite 1570
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816.842.8437
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Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

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01/16/2023
Saint Luke's Health System Facilities Development Department, Missouri

ROOM FINISH SCHEDULE - FIRST FLOOR

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	CASEWORK BASE CABINETS	CASEWORK WALL CABINETS	CASEWORK COUNTERTOPS	CASEWORK SINKS	CEILING	NOTES	REVISION #
1E-00D	EXISTING ELEVATOR EQUIPMENT ROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR		
1E-00G	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2 / HR-1	PT-1 / WP-2 / HR-1	PT-1	PT-1	-	-	-	-	ACT-1		
1E-00Q	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1	PT-1	PT-1	-	-	-	-	ACT-1		
1E-100	VESTIBULE	WOM-1	RB-1	PT-1 / PLAM-1	PT-1 / PWT-1	PT-1 / PWT-1	PT-1 / PLAM-1	-	-	-	-	ACT-1 / PT-7	1,4	
1E-100A	CORRIDOR	LVT-1	RB-2	PT-1	PT-1	PT-1	PT-1	-	-	-	-	ACT-1		
1E-100B	CORRIDOR	RSF-1	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1 / PT-5		
1E-100C	CORRIDOR	RSF-1	RB-1	-	PT-1 / WP-2	-	PT-1 / WP-2	-	-	-	-	ACT-1 / PT-5		
1E-100D	CORRIDOR	RSF-1	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1 / PT-5		
1E-100F	CORRIDOR	RSF-1	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1 / PT-5		
1E-100G	SEMI-RESTRICTED CORRIDOR	RSF-1	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-2 / PT-7	8	
1E-100H	CORRIDOR	RSF-1	RB-1	PT-1	PT-1	PT-1	PT-1	PLAM-1		PLAM-2	-	ACT-2	4	
1E-100J	CORRIDOR	RSF-1	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-2		
1E-100K	VENDOR ENTRANCE	WOM-1	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-2	4	
1E-100L	CORRIDOR	RSF-1	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1		
1E-100M	CORRIDOR	RSF-1	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1		
1E-100N	CORRIDOR	RSF-1	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1 / PT-5		
1E-100P	CORRIDOR	RSF-1	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1		
1E-101	LOBBY	LVT-2	RB-1	PT-1 / PWT-1	PT-1 / PWT-1	PT-1	-	-	-	-	-	ACT-1 / PT-7	1	
1E-101A	ELEVATOR	RBF-4	MT-1	PLAM-1,2	PLAM-1,2	PLAM-1,2	-	-	-	-	-	EXPOSED	18	
1E-101B	ELEVATOR	RBF-4	MT-1	PLAM-1,2	PLAM-1,2	PLAM-1,2	-	-	-	-	-	EXPOSED	18	
1E-101C	FUTURE ELEVATOR	-	-	-	-	-	-	-	-	-	-	-		
1E-102	WAITING	LVT-1,2	RB-1 / MT-1	PT-1 / PWT-1	PT-1 / PWT-1	PT-1 / PWT-1	PT-1 / PWT-1 / CWT-1	-	-	-	-	ACT-1 / PT-7 / WDC-1	1,14,16	
1E-103	NOURISHMENT	LVT-2	RB-1	CWT-1	-	-	-	PLAM-1	-	QTZ-1	-	ACT-1 / PT-7	1	
1E-104	JAN	RSF-1	IB-1	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	-	-	-	-	EXPOSED		
1E-105	ADMIT #4	LVT-1	RB-1	PT-2	PT-2	PT-2	PT-2	PLAM-1	-	PLAM-2	-	ACT-1		
1E-106	ADMIT #3	LVT-1	RB-1	PT-2	PT-2	PT-2	PT-2	PLAM-1	-	PLAM-2	-	ACT-1		
1E-107	RECEPTION	LVT-1	RB-2	PT-1	PT-1	PT-1	PT-1	PLAM-1	-	SSF-1 / QTZ-1	-	ACT-1 / PT-7	1,11	
1E-108	ADMIT #2	LVT-1	RB-1	PT-2	PT-2	PT-2	PT-2	PLAM-1	-	PLAM-2	-	ACT-1		
1E-109	ADMIT #1	LVT-1	RB-1	PT-2	PT-2	PT-2	PT-2	PLAM-1	-	PLAM-2	-	ACT-1		
1E-201	CREDENTIAL MANAGER OFFICE	LVT-1	RB-2	PT-1	PT-1	PT-1	PT-2	-	-	-	-	ACT-1 / PT-8		
1E-111	STAFF TOILET	RSF-2	IB-2	CWT-1	PT-1A	PT-1A	PT-1A	-	-	-	-	ACT-1	3	
1E-112	ADMIN	LVT-1	RB-2	PT-1	PT-2	PT-1	PT-1	-	-	-	-	ACT-1		
1E-113	BUS. OFFICE MGR.	LVT-1	RB-2	PT-1	PT-2	PT-1	PT-1	-	-	-	-	ACT-1		
1E-114	COPY/WORK AREA	LVT-1	RB-2	PT-1	PT-1	PT-1	PT-1	PLAM-1	PLAM-1	PLAM-2	-	ACT-1		
1E-115	CONFERENCE	LVT-1	RB-1	PT-1	PT-1 / AWP-1,2	PT-2	PT-1 / AWP-1,2	-	-	-	-	ACT-1	17	
1E-116	PAT TLT	PFT-2	MT-1	PT-1A / PWT-1	PT-1A / PWT-1	PT-1A / PWT-1	CWT-1	-	-	-	-	ACT-1	3	
1E-117	PAT TLT	PFT-2	MT-1	PT-1A / PWT-1	PT-1A / PWT-1	PT-1A / PWT-1	CWT-1	-	-	-	-	ACT-1	3	
1E-118	GI STORAGE/SMALL BREAK	LVT-1	RB-2	PT-1	PT-9	PT-1	PT-1	-	-	PLAM-2	-	ACT-1		
1E-119	PAT TLT	RSF-2	IB-2	PT-1A	PT-1A	CWT-1	PT-1A	-	-	-	-	ACT-1	3	
1E-120	CHEMISE STATION	RSF-3	RB-2	-	PT-8	PT-8	PT-8	-	-	-	-	ACT-1 / PT-8	2	
1E-121	PAT TLT	RSF-2	IB-2	PT-1A	PT-1A	CWT-1	PT-1A	-	-	-	-	ACT-1	3	
1E-122	ALCOVE	RSF-3	RB-1	PT-1 / WP-2	PT-1 / WP-2	-	PT-1 / WP-2	-	-	-	-	ACT-1		
1E-123	NOURISH / HANDWASH	RSF-1	RB-1	PT-1	PT-1,2	PT-1	PT-1,2	PLAM-1	PLAM-1	SSF-1	-	ACT-1		
1E-124	PREP/POST GI	RSF-3	RB-1	PT-1A / WP-2	PT-8A / WP-2	PT-1A / WP-2		PLAM-1	-	-	-	ACT-2 / PT-8	2	
1E-125	PREP/POST GI	RSF-3	RB-1	PT-1A / WP-2	-	PT-1A / WP-2	PT-8A / WP-2	PLAM-1	-	-	-	ACT-2 / PT-8	2	
1E-126	PREP/POST GI	RSF-3	RB-1	PT-1A / WP-2	PT-8A / WP-2	PT-1A / WP-2	-	PLAM-1	-	-	-	ACT-2 / PT-8	2	
1E-127	PREP/POST GI	RSF-3	RB-1	PT-1A / WP-2	-	PT-1A / WP-2	PT-8A / WP-2	PLAM-1	-	-	-	ACT-2 / PT-8	2	
1E-128	PREP/POST GI	RSF-3	RB-1	PT-1A / WP-2	PT-8A / WP-2	PT-1A / WP-2	-	PLAM-1	-	-	-	ACT-2 / PT-8	2	
1E-129	PREP/POST GI	RSF-3	RB-1	PT-1A / WP-2	-	PT-1A / WP-2	PT-8A / WP-2	PLAM-1	-	-	-	ACT-2 / PT-8	2	
1E-130	PREP/POST GI	RSF-3	RB-1	PT-1A / WP-2	PT-1A,8A / WP-2	PT-1A / WP-2	-	PLAM-1	-	-	-	ACT-2 / PT-8	2	
1E-131	PREP/POST GI	RSF-3	RB-1	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A,8A / WP-2	PLAM-1	-	-	-	ACT-2 / PT-8	2	
1E-132	PREP/POST GI	RSF-3	RB-1	PT-1A / WP-2	PT-8A / WP-2	PT-1A / WP-2		PLAM-1	-	-	-	ACT-2 / PT-8	2	
1E-133	PREP/POST GI	RSF-3	RB-1	PT-1A / WP-2	-	PT-1A / WP-2	PT-8A / WP-2	PLAM-1	-	-	-	ACT-2 / PT-8	2	
1E-134	PREP/POST GI	RSF-3	RB-1	PT-1A / WP-2	PT-1A,8A / WP-2	PT-1A / WP-2	-	PLAM-1	-	-	-	ACT-2 / PT-8	2	
1E-135	PREP/POST GI	RSF-3	RB-1	PT-1A / WP-2	-	PT-1A / WP-2	PT-1A,8A / WP-2	PLAM-1	-	-	-	ACT-2 / PT-8	2	
1E-136	PREP/POST GI	RSF-3	RB-1	PT-8A / WP-2	PT-1A / WP-2	-	PT-1A / WP-2	PLAM-1	-	-	-	ACT-2 / PT-8	2	
1E-137	PREP/POST GI	RSF-3	RB-1	PT-8A / WP-2	PT-1A / WP-2	-	PT-1A / WP-2	PLAM-1	-	-	-	ACT-2 / PT-8	2	
1E-138	PREP/POST GI	RSF-3	RB-1	PT-8A / WP-2	PT-1A / WP-2	-	PT-1A / WP-2	PLAM-1	-	-	-	ACT-2 / PT-8	2	
1E-139A	PRE/POST PROCEDURE	RSF-3	RB-1	PT-1A / WP-2	-	-	PT-8A / WP-2	PLAM-1	-	-	-	ACT-2 / PT-8	2	
1E-139B	PRE/POST PROCEDURE	RSF-3	RB-1	-	-	-	PT-8A / WP-2	PLAM-1	-	-	-	ACT-2 / PT-8	2	
1E-139C	PRE/POST PROCEDURE	RSF-3	IB-1	PT-8A / WP-2	-	PT-8A / WP-2	PT-8A / WP-2	PLAM-1	-	-	-	ACT-2 / PT-8	2	
1E-139D	PRE/POST PROCEDURE	RSF-3	RB-1	-	-	-	PT-8A / WP-2	PLAM-1	-	-	-	ACT-2 / PT-8	2	
1E-139E	PRE/POST PROCEDURE	RSF-3	RB-1	-	PT-1A / WP-2	PT-1A / WP-2	PT-8A / WP-2	PLAM-1	-	-	-	ACT-2 / PT-8	2	
1E-140	PRE/POST PROCEDURE	RSF-3	RB-1	PT-1A / WP-2	-	PT-1A / WP-2	PT-8A / WP-2	PLAM-1	-	-	-	ACT-2 / PT-8	2	
1E-141	PRE/POST PROCEDURE	RSF-3	RB-1	PT-1A / WP-2	-	PT-1A / WP-2	PT-1A,8A / WP-2	PLAM-1	-	-	-	ACT-2 / PT-8	2	
1E-142	PAT TLT	RSF-2	IB-2	PT-1A	PT-1A	CWT-1	-	-	-	-	-	ACT-1	3	
1E-143	MED ROOM	LVT-1	RB-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
1E-144	GI CLINICAL COORDINATOR OFFICE	LVT-1	RB-2	PT-1	PT-2	PT-1	-	-	-	-	-	ACT-1		
1E-145	GI PROCEDURE	RSF-1	IB-1	PT-1A / WP-2	PT-1A	PT-1A / WP-2	PT-1A / WP-2	PLAM-1	PLAM-1	SSF-1	-	ACT-2		
1E-146	GI PROCEDURE	RSF-1	IB-1	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A	PLAM-1	PLAM-1	SSF-1	-	ACT-2		
1E-147	GI PROCEDURE	RSF-1	IB-1	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PLAM-1	PLAM-1	SSF-1	-	ACT-2		
1E-148	GI PROCEDURE -BRONCHOSCOPY	RSF-1	IB-1	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PLAM-1	PLAM-1	SSF-1	-	ACT-2		
1E-149	PROCEDURE	RSF-1	IB-1	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	PT-1A		
1E-150	BUSINESS OFFICE (FUTURE PROCEDURE)	LVT-1	RB-2	PT-1	PT-2	PT-1	PT-1	-	-	-	-	ACT-1		
1E-151	PROCEDURE	RSF-1	IB-1	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	PT-1A		
1E-152	MATERIALS MANAGER	RSF-1	IB-1	PT-1	PT-2	PT-1	PT-1	-	-	PLAM-2	-	ACT-2		
1E-153	BULK STORAGE	RSF-1	IB-1	PT-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-2		
1E-154	INSTRUMENT PROCESSING	RSF-1	IB-1	PT-1A / WP-2	PT-1A	PT-1A / WP-2	PT-1A / WP-2	PLAM-1	PLAM-1	SST-1	SST-2	ACT-2		
1E-155	SCOPE STORAGE	RSF-1	IB-1	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	-	-	-	-	ACT-2		
1E-156	RESOURCE ROOM	RSF-1	IB-1	PT-1A / WP-2	PT-1A	PT-1A / WP-2	PT-1A / WP-2	-	-	-	-	ACT-2		
1E-157	PREP/POST OR EXISTING	RSF-3	RB-1	PT-1A,7A / WP-2	PT-7A / WP-2	PT-1A,7A / WP-2	-	PLAM-1	-	-	-	ACT-2 / PT-7	8	
1E-158	PREP/POST OR EXISTING	RSF-3	RB-1	PT-1A / WP-2	PT-1A,7A / WP-2	PT-1A / WP-2	-	PLAM-1	-	-	-	ACT-2 / PT-7	8	
1E-159	PREP/POST OR EXISTING	RSF-3	RB-1	PT-1A / WP-2	PT-1A,7A / WP-2	PT-1A / WP-2	-	PLAM-1	-	-	-	ACT-2 / PT-7	8	
1E-160	PREP/POST OR EXISTING	RSF-3	RB-1	PT-1A / WP-2	PT-7A / WP-2	PT-1A / WP-2	-	PLAM-1	-	-	-	ACT-2 / PT-7	8	
1E-161	PREP/POST OR EXISTING	RSF-3	RB-1	PT-1A / WP-2	PT-1A,7A / WP-2	PT-1A / WP-2	-	PLAM-1	-	-	-	ACT-2 / PT-7	8	
1E-162	ELEC	CS-1	RB-2	PT-1	PT-1	PT-1	PT-1	-	-	-	-	EXPOSED		
1E-163	PRE/POST CLINICAL COORDINATOR OFFICE	LVT-1	RB-2	PT-1	PT-1	PT-1	PT-2	-	-	-	-	ACT-1		
1E-164	PAT TLT	RSF-2	IB-2	PT-1A	PT-1A	PT-1A	CWT-1	-	-	-	-	ACT-1	3	
1E-165	OR NURSE STATION	RSF-3	RB-1	PT-1	-	-	PT-1	PLAM-1	-	SSF-1	-	ACT-1 / PT-7	5,9	
1E-166	MED ALCOVE	RSF-3	RB-1	PT-1	-	PT-1	PT-1	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1	9	
1E-167	PAT TLT	RSF-2	IB-2	PT-1A	CWT-1	PT-1A	PT-1A	-	-	-	-	ACT-1	3	
1E-168	NURSE NAVIGATOR OFFICE	LVT-1	RB-2	PT-1,2	PT-1	PT-1	PT-1	-	-	-	-	ACT-1		
1E-169	OR CLEAN	RSF-1	IB-1	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PLAM-1	-	SSF-1	IS-1	ACT-2		
1E-170	JAN	RSF-1	IB-1	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	-	-	-	-	EXPOSED		
1E-171	DATA	CS-1	RB-2	PT-1	PT-1	PT-1	PT-1	-	-	-	-	EXPOSED		

ROOM FINISH SCHEDULE - FIRST FLOOR

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	CASEWORK BASE CABINETS	CASEWORK WALL CABINETS	CASEWORK COUNTERTOPS	CASEWORK SINKS	CEILING	NOTES	REVISION #
1E-172	MEDICAL DIRECTOR OFFICE	LVT-1	RB-2	PT-1	PT-1	PT-2	PT-1	-	-	-	-	ACT-1		
1E-173	PREP/POST OR (PEDS)	RSF-3	RB-1	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-7A / WP-2	PLAM-1	-	-	-	ACT-2		
1E-174	PREP/POST OR (PEDS)	RSF-3	RB-1	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-7A / WP-2	PLAM-1	-	-	-	ACT-2		
1E-175	PREP/POST OR	RSF-1	RB-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-7A / WP-2	PLAM-1	-	-	-	ACT-2		
1E-176	MEDS	LVT-1	RB-2	PT-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
1E-177	PREP/POST OR	RSF-3	RB-1	-	PT-1A / WP-2	PT-1A,7A / WP-2	PT-1A / WP-2	PLAM-1	-	-	-	ACT-2 / PT-7	8	
1E-178	PREP/POST OR EXISTING	RSF-3	RB-1	-	PT-1A / WP-2	PT-7A / WP-2	PT-1A / WP-2	PLAM-1	-	-	-	ACT-2 / PT-7	8	
1E-179	PREP/POST OR EXISTING	RSF-3	RB-1	-	PT-1A / WP-2	PT-7A / WP-2	PT-1A / WP-2	PLAM-1	-	-	-	ACT-2 / PT-7	8	
1E-180	PREP/POST OR EXISTING	RSF-3	RB-1	-	PT-1A / WP-2	PT-7A / WP-2	PT-1A / WP-2	PLAM-1	-	-	-	ACT-2 / PT-7	8	
1E-181	PREP/POST OR EXISTING	RSF-3	RB-1	-	PT-1A / WP-2	PT-7A / WP-2	PT-1A / WP-2	PLAM-1	-	-	-	ACT-2 / PT-7	8	
1E-182	SOILED ROOM	RSF-1	IB-1	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-2		
1E-183	IT OFFICE	LVT-1	RB-2	PT-1	PT-1	PT-2	PT-1	-	-	-	-	ACT-1		
1E-184	DATA	CS-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	-	-	-	EXPOSED		
1E-200A	PREP/POST OR	RSF-1	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1		
1E-200B	CORRIDOR	RSF-1	RB-1	PT-1 / WP-2	-	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1 / PT-5		
1E-200C	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1		
1E-200D	CORRIDOR	RSF-1	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1 / PT-5		
1E-200E	CORRIDOR	RSF-1	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1 / PT-5		
1E-200F	CORRIDOR	LVT-2	RB-1	-	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1 / PT-5		
1E-200G	CORRIDOR	WOM-1 / LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1 / PT-5		
1E-201	ALCOVE	RSF-3	RB-1	PT-2 / WP-2	-	PT-2 / WP-2	PT-2 / WP-2	-	-	-	-	PT-2	7	
1E-202A	PREP/POST OR	RSF-3	RB-1	PT-7A / WP-2	PT-7A / WP-2	-	PT-7A / WP-2	PLAM-1	-	-	-	ACT-2 / PT-7	8	
1E-202B	PRE-POST OR	RSF-3	RB-1	PT-1A / WP-2	PT-1A,7A / WP-2	PT-7A / WP-2	PT-1A,7A / WP-2	PLAM-1	-	-	-	ACT-2 / PT-7	8	
1E-202C	PRE/POST OR	RSF-3	RB-1	-	PT-7A / WP-2	PT-7A / WP-2	-	-	PLAM-1	-	-	ACT-2 / PT-7	8	
1E-202D	PRE/POST OR	RSF-3	RB-1	-	PT-7A / WP-2	PT-7A / WP-2	-	-	PLAM-1	-	-	ACT-2 / PT-7	8	
1E-202E	PRE/POST OR	RSF-3	RB-1	PT-7A / WP-2	-	-	-	-	PLAM-1	-	-	ACT-2 / PT-7	8	
1E-202F	PRE/POST OR	RSF-3	RB-1	-	-	PT-7A / WP-2	-	-	PLAM-1	-	-	ACT-2 / PT-7	8	
1E-202G	PRE/POST OR	RSF-3	RB-1	PT-7A / WP-2	-	-	PT-7A / WP-2	-	PLAM-1	-	-	ACT-2 / PT-7	8	
1E-202H	PRE/POST OR	RSF-3	RB-1	-	-	PT-7A / WP-2	PT-7A / WP-2	-	PLAM-1	-	-	ACT-2 / PT-7	8	
1E-202I	PRE/POST OR	RSF-3	RB-1	PT-7A / WP-2	PT-7A / WP-2	-	PT-1A / WP-2	PLAM-1	-	-	-	ACT-2 / PT-7	8	
1E-203	23-HR NURSE AND SUPPORT	RSF-3	RB-1	-	PT-1,7	PT-7	PT-1	-	-	-	-	ACT-1 / PT-7	8	
1E-204	23-HR	RSF-3	RB-1	PT-1A / WP-2	PT-1A / WP-2	PT-7A / WP-2	PT-1A / WP-2	PLAM-1	-	-	-	ACT-1		
1E-204A	TLT	RSF-2	IB-2	PT-1A	PT-1A	CWT-1	PT-1A	-	-	-	-	ACT-1	3	
1E-205	23-HR	RSF-3	RB-1	PT-7A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PLAM-1	-	-	-	ACT-1		
1E-205A	TLT	RSF-2	IB-2	PT-1A	PT-1A	CWT-1	PT-1A	-	-	-	-	ACT-1	3	
1E-206	23-HR	RSF-3	RB-1	PT-1A / WP-2	PT-1A / WP-2	PT-7A / WP-2	PT-1A / WP-2	PLAM-1	-	-	-	ACT-1		
1E-206A	TLT	RSF-2	IB-2	CWT-1	PT-1A	PT-1A	PT-1A	-	-	-	-	ACT-1	3	
1E-207	23-HR	RSF-3	RB-1	PT-1A,7A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PLAM-1	-	-	-	ACT-1		
1E-207A	TLT	RSF-2	IB-2	CWT-1	PT-1A	PT-1A	PT-1A	-	-	-	-	ACT-1	3	
1E-208	23-HR	RSF-3	RB-1	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A,7A / WP-2	PLAM-1	-	-	-	ACT-1		
1E-208A	TLT	RSF-2	IB-2	PT-1A	PT-1A	PT-1A	CWT-1	-	-	-	-	ACT-1	3	
1E-209	23-HR	RSF-3	RB-1	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-7A / WP-2	PLAM-1	-	-	-	ACT-1		
1E-209A	TLT	RSF-2	IB-2	PT-1A	PT-1A	CWT-1	PT-1A	-	-	-	-	ACT-1	3	
1E-210	DON	LVT-1	RB-2	PT-1,2	PT-1	PT-1	PT-1	-	-	-	-	ACT-1		
1E-211	STORAGE ALCOVE	LVT-2	RB-1	PT-1 / WP-2	PT-2 / WP-2	PT-2 / WP-2	-	-	-	-	-	PT-2	7	
1E-212	SCHEDULING	LVT-1	RB-2	PT-1	PT-1	PT-1	PT-1	-	-	-	-	ACT-1		
1E-213	PRE CALL ANESTHESIA OFFICE	LVT-1	RB-2	PT-1	PT-1	PT-2	PT-1	-	-	-	-	ACT-1		
1E-214	BREAK/ CONFERENCE	LVT-1	RB-2	PT-1	PT-1 / AWP-1,2	PT-1,9	PT-1 / AWP-1,2	PLAM-1	-	SSF-1	IS-1	ACT-1		
1E-215	ELEC	CS-1	RB-2	PT-1	PT-1	PT-1	PT-1	-	-	-	-	EXPOSED		
1E-216	WOMEN'S LOCKER (50 DOUBLE LOCKERS)	RSF-2	IB-2	PT-1A	PT-8A	PT-1A	PT-1A	-	-	-	-	ACT-1		
1E-216A	WOMEN'S TOILET	RSF-2	IB-2	PT-1A / CWT-1	PT-1A	PT-1A	PT-1A	-	-	-	-	ACT-1	3	
1E-216B	WOMEN'S TOILET	RSF-2	IB-2	PT-1A	CWT-1	PT-1A	PT-1A	-	-	-	-	ACT-1	3	
1E-217	JAN	CS-1	RB-2	PT-1	PT-1	PT-1	PT-1	-	-	-	-	EXPOSED		
1E-218	MEN'S LOCKER (28 DOUBLE LOCKERS)	RSF-2	RB-2	PT-1A	PT-1A, 8A	PT-1A	PT-1A	-	-	-	-	ACT-1	3	
1E-218A	MEN'S TOILET	RSF-2	IB-2	PT-1A / CWT-1	PT-1A	PT-1A	PT-1A	-	-	-	-	ACT-1	3	
1E-218B	MEN'S TOILET	RSF-2	IB-2	PT-1A	PT-1A	PT-1A	CWT-1	-	-	-	-	ACT-1		
1E-219	STAFF SUPPORT / LOUNGE	LVT-1	RB-2	PT-9	PT-1	PT-1	PT-1	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
1E-220	STAFF TLT	RSF-2	IB-2	CWT-1	PT-1A	PT-1A	PT-1A	-	-	-	-	ACT-1	3	
1E-221	STAFF TLT	RSF-2	IB-2	CWT-1	PT-1A	PT-1A	PT-1A	-	-	-	-	ACT-1	3	
1E-222	BUILDING SUPPORT	CS-1	RB-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1		
1E-223	JAN	RSF-1	IB-1	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	-	-	-	-	EXPOSED		
1E-224	TLT	RSF-2	IB-2	CWT-1	PT-1A	PT-1A	PT-1A	-	-	-	-	ACT-1	3	
1E-225	NOURISH	RSF-3	RB-1	PT-1	PT-2	PT-2	PT-2	PLAM-1	PLAM-1	SSF-1	-	ACT-1		
1E-226	DOCTOR DICTATION ALCOVE	RSF-3	RB-1	PT-1	PT-1	PT-1	PT-1	-	-	PLAM-2	-	ACT-1		
1E-227	OR	RES-1	IB-1	WS-1	WS-1	WS-1	WS-1	PLAM-1	PLAM-1	SSF-1	-	PT-1A		
1E-228	SUBSTERILE	RSF-1	IB-1	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	PT-1A		
1E-229	OR (LARGE)	RES-1	IB-3	WS-1	WS-1	WS-1	WS-1	PLAM-1	PLAM-1	SSF-1	-	PT-1A		
1E-230	SUBSTERILE (SM)	RSF-1	IB-1	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	PT-1A		
1E-231	OR	RES-1	IB-3	WS-1	WS-1	WS-1	WS-1	PLAM-1	PLAM-1	SSF-1	-	PT-1A		
1E-233	AHU	CS-1	RB-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	-	-	-	-	EXPOSED		
1E-300A	STERILE CORRIDOR	RSF-1	IB-1	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PLAM-1	PLAM-1	-	-	ACT-2 / PT-5		
1E-300B	CORRIDOR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR		
1E-300C	CORRIDOR	RSF-1	IB-1	PT-1 / WP-2	PT-1 / WP

RELEASED FOR CONSTRUCTION
As noted on this sheet
Building Services Department
Lee's Summit, Missouri
01/16/2024

ROOM FINISH SCHEDULE - SECOND FLOOR

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	CASEWORK BASE CABINETS	CASEWORK WALL CABINETS	CASEWORK COUNTERTOPS	CASEWORK SINKS	CEILING	NOTES	REVISION #
2E-100	VESTIBULE	LVT-2	RB-1	PT-1	PT-1	PT-1	PLAM-1	-	-	-	-	ACT-1		
2E-100A	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1 / PT-5		
2E-101	WAITING	LVT-1,2	RB-1 / MT-1	PT-1 / PLAM-1 / PWT-1	PT-1,2 / CWT-1 / PWT-1	PT-1,2 / PWT-1	PT-1,2 / PWT-1	-	-	-	-	ACT-1 / PT-2,7 / WDC-1	1,12,14,16	
2E-102	PAT TLT	PFT-2	MT-1	PT-1A / PWT-1	CWT-1	PT-1A / PWT-1	PT-1A / PWT-1	-	-	-	-	ACT-1	3	
2E-103	PAT TLT	PFT-2	MT-1	PT-1A / PWT-1	CWT-1	PT-1A / PWT-1	PT-1A / PWT-1	-	-	-	-	ACT-1	3	
2E-104	PAT TLT	PFT-2	MT-1	PT-1A / PWT-1	CWT-1	PT-1A / PWT-1	PT-1A / PWT-1	-	-	-	-	ACT-1	3	
2E-105	NOURISHMENT	LVT-2	RB-1	CWT-1	-	-	PLAM-1	-	-	QTZ-1	IS-1	PT-7	8	
2E-106	CHECK IN	LVT-1	RB-2	PT-1	-	PT-1	PLAM-1	-	SSF-1 QTZ-1	-	ACT-1 / PT-7	1,11		
2E-107	CHECK OUT / SCHEDULERS	LVT-1	RB-2	-	PT-1	PT-1	PLAM-1	PLAM-1	SSF-1 QTZ-1	-	ACT-1 / PT-7	8		
2E-108	FILES	LVT-1	RB-2	PT-1	PT-1	PT-1	-	-	-	-	ACT-1			
2E-109	FRONT DESK MANAGER	LVT-1	RB-2	PT-1	PT-2	PT-1	-	-	-	-	ACT-1			
2E-110	IT CLOSET	CS-1	RB-2	PT-1	PT-1	PT-1	-	-	-	-	EXPOSED			
2E-111	CHECK OUT / SCHEDULERS	LVT-1	RB-2	PT-1	PT-1	-	-	-	-	-	ACT-1 / PT-7	8		
2E-112	FINANCIAL MANAGER	LVT-1	RB-2	PT-2	PT-1	PT-1	PT-1	-	-	-	-	ACT-1		
2E-113	X-RAY SM	RSF-1	IB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	PLAM-2	-	-	ACT-1		
2E-114	TECH WORK	RSF-1	IB-1	PT-1 / WP-2	PT-2	PT-2	PT-2	-	-	-	-	ACT-1		
2E-115	X-RAY SAMSUNG	RSF-1	IB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	PLAM-2	-	-	ACT-1		
2E-116	X-RAY GE	RSF-1	IB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	PLAM-2	-	-	ACT-1		
2E-117	X-RAY GE	RSF-1	IB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	PLAM-2	-	-	ACT-1		
2E-118	X-RAY SAMSUNG	RSF-1	IB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	PLAM-2	-	-	ACT-1		
2E-119	OPERATION MANAGER	LVT-1	RB-2	PT-1,2	PT-1	PT-1	-	-	-	-	-	ACT-1		
2E-120	STAFF TLT	RSF-2	IB-2	CWT-1	PT-1A	PT-1A	PT-1A	-	-	-	-	ACT-1	3	
2E-121	DME WORK	LVT-1	RB-2	PT-2	PT-1	PT-1	-	-	-	-	-	ACT-1		
2E-122	CORRIDOR	RSF-1	IB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1		
2E-200A	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	-	-	-	-	ACT-1 / PT-5		
2E-200B	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	-	ACT-1 / PT-5		
2E-200C	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	-	-	-	-	ACT-1		
2E-200D	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	-	ACT-1 / PT-5		
2E-200E	CORRIDOR	LVT-2	RB-1	-	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	-	ACT-1 / PT-5		
2E-200F	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	-	ACT-1		
2E-200G	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	-	ACT-1 / PT-5		
2E-200H	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1	PT-1 / WP-2	PLAM-1	PLAM-1	PLAM-2	-	ACT-1 / PT-5		
2E-200J	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1	PT-1 / WP-2	-	-	-	-	ACT-1		
2E-200K	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM -1	-	-	-	-	ACT-1		
2E-200L	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM -1	-	-	-	-	ACT-1		
2E-201	EXAM #1	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-202	EXAM #2	LVT-1,2	RB-1	PT-1,8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-203	EXAM #3	LVT-1,2	RB-1	PT-1,8 / WP-2	PT-1	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-204	EXAM #4	LVT-1,2	RB-1	PT-1,8 / WP-2	PT-1,8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-205	EXAM #5	LVT-1,2	RB-1	PT-1 / WP-2	PT-1,8 / WP-2	PT-1,8 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-206	HAND TEAM CENTER	LVT-1	RB-2	PT-1	PT-1,9	PT-9	PT-1,9	PLAM-1	-	-	-	ACT-1 / PT-9	6	
2E-207	PROVIDER OFFICE	LVT-1	RB-2	PT-1	PT-1	PT-1	PT-1,2	-	-	-	-	ACT-1		
2E-208	PROVIDER OFFICE	LVT-1	RB-2	PT-1	PT-2	PT-1	-	-	-	-	-	ACT-1		
2E-209	PROVIDER OFFICE	LVT-1	RB-2	PT-1	PT-1	PT-1	PT-2	-	-	-	-	ACT-1		
2E-210	EXAM #7	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-211	EXAM #6	LVT-1,2	RB-1	PT-1 / WP-2	PT-1,8 / WP-2	PT-8 / WP-2	PT-1,8 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-212	CAST	RSF-1	IB-1	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-213	INTAKE	LVT-1	RB-1	-	PT-2 / WP-2	PT-2 / WP-2	PT-2 / WP-2	-	-	-	-	ACT-1	7	
2E-214	CAST	RSF-1	IB-1	PT-1 / WP-2	PT-1,8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-215	EXAM #8	LVT-1,2	RB-1	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19		
2E-216	EXAM #9	LVT-1,2	RB-1	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19		
2E-217	PROVIDER OFFICE	LVT-1	RB-2	PT-1	PT-1	PT-2	-	-	-	-	-	ACT-1		
2E-218	GENERAL ORTHO/SPINE TEAM CENTER	LVT-1	RB-2	-	PT-1	PT-9	PT-1	-	-	-	-	ACT-1 / PT-9	6	
2E-219	EXAM #3	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-220	EXAM #2	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-221	EXAM #1	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-222	PAT TLT	RSF-2	IB-2	CWT-1	PT-1A	PT-1A	PT-1A	-	-	-	-	ACT-1	3	
2E-223	INTAKE	LVT-1	RB-1	-	PT-2 / WP-2	PT-2 / WP-2	PT-2 / WP-2	-	-	-	-	ACT-1	7	
2E-224	EXAM #4	LVT-1,2	RB-1	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM -1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-225	EXAM #5	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PT-1,8 / WP-2	PLAM -1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-226	EXAM #6	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM -1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-227	PROVIDER OFFICE	LVT-1	RB-2	PT-1	PT-1	PT-1	PT-1,2	-	-	-	-	ACT-1		
2E-228	PROVIDER OFFICE	LVT-1	RB-2	PT-1	PT-1	PT-1,2	PT-2	-	-	-	-	ACT-1		
2E-229	MID LEVEL OFFICE	LVT-1	RB-2	PT-1	PT-1,2	PT-2	PT-1,2	-	-	-	-	ACT-1		
2E-230	STAFF TLT	RSF-2	IB-2	CWT-1	PT-1A	PT-1A	PT-1A	-	-	-	-	ACT-1	3	
2E-231	STAFF TLT	RSF-2	IB-2	CWT-1	PT-1A	PT-1A	PT-1A	-	-	-	-	ACT-1	3	
2E-232	STAFF LOUNGE	LVT-1	RB-2	PT-1	PT-1,9	PT-1	PLAM-1	PLAM-1	SSF-1	-	-	ACT-1		
2E-233	SUBWAIT (SM)	LVT-2	RB-1	-	PT-9	PT-9	PT-9	-	-	-	-	PT-9	6	
2E-234	CLINIC MANAGER	LVT-1	RB-2	PT-1	PT-1	PT-1	-	-	-	-	-	ACT-1		
2E-235	CONFERENCE	LVT-1	RB-2	PT-1	PT-1 / AWP-1,2	PT-2	PT-1	PLAM-1	-	SSF-1	IS-1	ACT-1	17	
2E-236	MID LEVEL	LVT-1	RB-2	PT-1	PT-1	PT-1	DR RAPLEY AWP-1,2	-	-	-	-	ACT-1		
2E-237	DME STORAGE	LVT-2	RB-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1	-	-	-	-	ACT-1		
2E-238	MOTHER'S ROOM	LVT-1	RB-1	PT-8	PT-1	PT-1	PT-1	-	-	-	-	ACT-1		
2E-239	STAFF TLT	RSF-2	IB-2	PT-1A	PT-1A	PT-1A	CWT-1	-	-	-	-	ACT-1	3	
2E-240	ADMIN	LVT-1	RB-2	PT-1	PT-1	PT-1	-	-	-	-	-	ACT-1		
2E-241	ADMIN	LVT-1	RB-2	PT-2	PT-1	PT-1	PT-1	-	-	-	-	ACT-1		
2E-242	ADMIN	LVT-1	RB-2	PT-1	PT-1,2	PT-2	PT-1	-	-	-	-	ACT-1		
2E-300A	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	-	-	-	ACT-1		
2E-300B	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	-	-	-	ACT-1		
2E-300C	CORRIDOR	LVT-2	RB-1	-	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1 / PT-5		
2E-300D	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	-	PT-1 / WP-2	-	-	-	-	ACT-1 / PT-5		
2E-300E	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	-	PT-1 / WP-2	-	-	-	-	ACT-1 / PT-5		
2E-300F	CORRIDOR	LVT-2	RB-1	-	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1 / PT-5		
2E-300G	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	-	-	PT-1 / WP-2	-	-	-	-	ACT-1 / PT-5		
2E-300H	CORRIDOR						PLAM -2							
2E-301	CAST	RSF-1	IB-1	PT-1 / WP-2	PT-1	PT-8 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-302	CAST	RSF-1	IB-1	PT-1 / WP-2	PT-1,8 / WP-2	PT-1,8 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-303	EXAM #3	LVT-1,2	RB-1	PT-1,8 / WP-2	PT-1	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-304	EXAM #2	LVT-1,2	RB-1	PT-1,8 / WP-2	PT-1	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-305	EXAM #1	LVT-1,2	RB-1	PT-1 / WP-2	PT-1,8 / WP-2	PT-1,8 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-306	FOOT/ANKLE TEAM CENTER	LVT-1	RB-2	PT-9	PT-1,9	PT-1	PT-1	-	-	-	IS-1	ACT-1 / PT-9	6	

ROOM FINISH SCHEDULE - SECOND FLOOR

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	CASEWORK BASE CABINETS	CASEWORK WALL CABINETS	CASEWORK COUNTERTOPS	CASEWORK SINKS	CEILING	NOTES	REVISION #
2E-307	EXAM #4	LVT-1,2	RB-1	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1,8 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-308	EXAM #5	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-309	EXAM #6	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1,8 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-310	INTAKE	LVT-1	RB-1	PT-2 / WP-2	PT-2 / WP-2	-	PT-2 / WP-2	-	-	-	-	PT-2	7	
2E-311	PAT TLT	RSF-2	IB-2	PT-1A	PT-1A	CWT-1	PT-1A	-	-	-	-	ACT-1	3	
2E-312	EXAM #8	LVT-1,2	RB-1	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-313	EXAM #7	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-314	EXAM #9	LVT-1,2	RB-1	PT-1 / WP-2	PT-1,8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-315	PROVIDER OFFICE	LVT-1	RB-2	PT-1	PT-1	PT-1	PT-2	-	-	-	-	ACT-1		
2E-316	PROVIDER OFFICE	LVT-1	RB-2	PT-1	PT-1	PT-1	PT-2	-	-	-	-	ACT-1		
2E-317	PROVIDER OFFICE	LVT-1	RB-2	PT-1	PT-2	PT-1	PT-1	-	-	-	-	ACT-1		
2E-318	PROVIDER OFFICE	LVT-1	RB-1	PT-1	PT-2	PT-1	PT-1	-	-	-	-	ACT-1		
2E-319	PROVIDER OFFICE	LVT-1	RB-1	PT-1	PT-1,2	PT-1	PT-1	-	-	-	-	ACT-1		
2E-320	EXAM #10	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-321	EXAM #11	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-322	CAST	RSF-1	IB-1	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-323	ELEC	CS-1	RB-2	PT-1	PT-1	PT-1	PT-1	-	-	-	-	EXPOSED		
2E-324	PAT TLT	RSF-2	IB-2	PT-1A	PT-1A	CWT-1	PT-1A	-	-	-	-	ACT-1	3	
2E-325	EXAM #3	LVT-1,2	RB-1	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-326	EXAM #2	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-327	EXAM #1	LVT-1,2	RB-1	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-328	PROVIDER OFFICE	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-2	-	-	-	-	ACT-1		
2E-329	JOINT TEAM CENTER	LVT-1	RB-2	PT-8	PT-1,9	-	PT-1,9	-	-	-	-	ACT-1 / PT-9	6	
2E-330	EXAM #4	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-331	EXAM #5	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-332	X-RAY SUBWAIT	LVT-1	RB-1	PT-2	PT-1	-	PT-2	-	-	-	-	ACT-1 / PT-5		
2E-333	INTAKE	LVT-1	RB-1	PT-2 / WP-2	PT-2 / WP-2	-	PT-2 / WP-2	-	-	-	-	PT-2	7	
2E-334	EXAM #8	LVT-1,2	RB-1	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-335	EXAM #7	LVT-1,2	RB-1	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-336	EXAM #6	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-337	PROVIDER OFFICE	LVT-1	RB-2	PT-1	PT-1	PT-1	PT-1	-	-	-	-	ACT-1		
2E-338	PROVIDER OFFICE	LVT-1	RB-2	PT-1	PT-2	PT-1	PT-1	-	-	-	-	ACT-1		
2E-339	EXAM #9	LVT-1,2	RB-1	PT-1,8 / WP-2	PT-1,8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-340	EXAM #10	LVT-1,2	RB-1	PT-1 / WP-2	PT-1,8 / WP-2	PT-1 / WP-2	PT-1,8 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-341	EXAM #11	LVT-1,2	RB-1	PT-1 / WP-2	PT-1,8 / WP-2	PT-1,8 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-342	EXAM #14	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-343	EXAM #13	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-344	EXAM #12	LVT-1,2	RB-1	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-400A	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1 / PT-5		
2E-400B	CORRIDOR	LVT-2	RB-1	-	PT-1 / WP-2	PT-1 / WP-2	-	-	PLAM-1	-	-	ACT-1 / PT-5		
2E-400C	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1 / PT-5		
2E-400D	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1 / PT-5		
2E-400E	CORRIDOR	LVT-2	RB-1	-	PT-1 / WP-2	-	PT-1 / WP-2	-	-	-	-	ACT-1 / PT-5		
2E-401	INTAKE	LVT-1	RB-1	PT-2 / WP-2	-	PT-2 / WP-2	PT-2 / WP-2	-	-	-	-	PT-2	7	
2E-402	STOR	LVT-2	RB-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1		
2E-403	EXAM #2	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-404	EXAM #1	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-405	URGENT CARE PROVIDER	LVT-1	RB-2	PT-1	PT-1	PT-1	PT-2	-	-	-	-	ACT-1		
2E-406	PROVIDER OFFICE	LVT-1	RB-2	PT-1	PT-1	PT-1	PT-2	-	-	-	-	ACT-1		
2E-407	PROVIDER OFFICE	LVT-1	RB-2	PT-1	PT-1	PT-1	PT-2	-	-	-	-	ACT-1		
2E-408	EXAM #3	LVT-1,2	RB-1	PT-1,8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1,8 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-409	EXAM #4	LVT-1,2	RB-1	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-410	EXAM #5	LVT-1,2	RB-1	PT-1 / WP-2	PT-1,8 / WP-2	PT-1,8 / WP-2	PT-1,8 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-411	PAT TLT	RSF-2	IB-2	PT-1A	PT-1A	PT-1A	CWT-1	-	-	-	-	ACT-1	3	
2E-412	EXAM #7	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-413	EXAM #6	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-414	PAIN TEAM CENTER	LVT-1	RB-2	PT-1,9	PT-1	PT-1	PT-1	-	-	-	-	ACT-1 / PT-9	6	
2E-415	PROVIDER OFFICE	LVT-1	RB-2	PT-1	PT-2	PT-1	PT-1	-	-	-	-	ACT-1		
2E-416	PROVIDER OFFICE	LVT-1	RB-2	PT-1	PT-2	PT-1	PT-1	-	-	-	-	ACT-1		
2E-417	EXAM #8	LVT-1,2	RB-1	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-418	EXAM #9 - PROCEDURE	LVT-1,2	RB-1	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1 / PLAM-2	IS-1	ACT-1	19	
2E-419	ELEC	CS-1	RB-2	PT-1	PT-1	PT-1	PT-1	-	-	-	-	EXPOSED		
2E-420	PHONE ROOM	LVT-1	RB-2	PT-1 / AWP-1,2	PT-1 / AWP-1,2	PT-1 / AWP-1,2	PT-1 / AWP-1,2	PLAM-1	-	SSF-1	-	ACT-1	17	
2E-421	WORK COMP	LVT-1	RB-2	PT-1	PT-1	PT-1	PT-1	-	-	-	-	ACT-1		
2E-422	IT OFFICE	LVT-1	RB-2	PT-1	PT-1	PT-1	PT-2	-	-	PLAM-2	-	ACT

ROOM FINISH SCHEDULE - THIRD FLOOR

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	CASEWORK BASE CABINETS	CASEWORK WALL CABINETS	CASEWORK COUNTERTOPS	CASEWORK SINKS	CEILING	NOTES	REVISION #
3E-100	VESTIBULE	LVT-2	RB-1	PT-1	PT-1	-	PLAM-1	-	-	-	-	ACT-1		
3E-101	THIRD FLOOR WAITING	LVT-1,2	RB-1 / PWT-1	PT-1 / PLAM-1 / PWT-1	PT-1 / PWT-1	PT-1 / PWT-1	PT-1 / PWT-1 / CWT-1	PLAM-1	-	QTZ-1	-	ACT-1 / PT-7 / WDC-1	1,14,16	
3E-102	PAT TLT	PFT-2	MT-1	PT-1A / PWT-1	PT-1A / PWT-1	PT-1A / PWT-1	CWT-1	-	-	-	-	ACT-1	3	
3E-103	PAT TLT	PFT-2	MT-1	PT-1A / PWT-1	CWT-1	PT-1A / PWT-1	PT-1A / PWT-1	-	-	-	-	ACT-1	3	
3E-104	PAT TLT	PFT-2	MT-1	PT-1A PWT-1	CWT-1	PT-1A PWT-1	PT-1A / PWT-1	-	-	-	-	ACT-1	3	
3E-200A	CORRIDOR							PLAM-2						
3E-200B	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1 / PT-5		
3E-200C	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1	-	-	-	-	ACT-1 / PT-5		
3E-200D	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1 / PT-5		
3E-200E	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	-	-	-	ACT-1 / PT-5		
3E-200F	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	-	-	-	ACT-1 / PT-5		
3E-200G	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	-	PT-1 / WP-2	-	-	-	-	-	ACT-1 / PT-5		
3E-200H	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	-	PT-1 / WP-2	-	-	-	-	-	ACT-1 / PT-5		
3E-200I	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	-	PT-1 / WP-2	-	-	-	-	-	ACT-1 / PT-5		
3E-200J	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	-	PT-1 / WP-2	-	-	-	-	ACT-1 / PT-5		
3E-201	CONSULT	LVT-1	RB-1	PT-2	PT-1	PT-1	PT-1	-	-	-	-	ACT-1		
3E-202	APP OFFICE	LVT-1	RB-1	PT-2	PT-1	PT-2	PT-1	-	-	-	-	ACT-1		
3E-203	CHECK-OUT	LVT-1,2	RB-1	PT-1	-	PT-1	PT-1	PLAM-1	-	PLAM-2	-	ACT-1 / PT-7	8	
3E-204	GEN/PLAS STORAGE	LVT-2	RB-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1		
3E-205	GEN/PLAS EXAM 1	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-206	GEN/PLAS EXAM 2	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-207A	ELEC.	CS-1	RB-2	PT-1	PT-1	PT-1	PT-1	-	-	-	-	EXPOSED		
3E-207B	IT	CS-1	RB-2	PT-1	PT-1	PT-1	PT-1	-	-	-	-	EXPOSED		
3E-208	CONFERENCE	LVT-1	RB-1	PT-1,2	PT-1 / AWP-1,2	PT-1	PT-1 / AWP-1,2	-	-	-	-	ACT-1	17	
3E-209	PAT TLT	RSF-2	IB-1	PT-1A	CWT-1	PT-1A	PT-1A	-	-	-	-	ACT-1	3	
3E-210	ENT TREATMENT	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-211	ENT TREATMENT	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-212	ENT/PULM STORAGE	LVT-1,2	RB-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	PLAM-2	-	ACT-1		
3E-213	PULM EXAM 1	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-214	PULM EXAM 2	LVT-1,2	RB-1	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-215	PLASTIC SURGERY PROCEDURE	RSF-1	IB-1	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-2		
3E-216	GEN/PLAS EXAM 12	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-217	GEN/PLAS EXAM 13	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-218	GEN/PLAS EXAM 14	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-219	GEN/PLAS EXAM 9	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-220	GEN/PLAS EXAM 10	LVT-1,2	RB-1	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-221	GEN/PLAS EXAM 11	LVT-1,2	RB-1	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-222	GENERAL SURGERY PROCEDURE	RSF-1	IB-1	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-2		
3E-223	GEN/PLAS EXAM 6	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-224	GEN/PLAS EXAM 7	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-225	GEN/PLAS EXAM 8	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-226	GEN/PLAS EXAM 3	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-227	GEN/PLAS EXAM 4	LVT-1,2	RB-1	PT-1 / WP-2	PT-1,8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-228	GEN/PLAS EXAM 5	LVT-1,2	RB-1	PT-1 / WP-2	PT-1,8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-229	PAT TLT	PFT-2	MT-1	PT-1A / PWT-1	CWT-1	PT-1A / PWT-1	PT-1A / PWT-1	-	-	-	-	ACT-1	3	
3E-230	GEN/PLASTIC PROVIDER 1	LVT-1	RB-2	PT-1	PT-1,2	PT-1	PT-1	-	-	-	-	ACT-1		
3E-231	GEN/PLASTIC TEAM CENTER	LVT-1	RB-2	-	PT-1,9	PT-9	PT-1,9	PLAM-1	-	-	-	ACT-1 / PT-9	6	
3E-232	GEN/PLASTIC SURG. PROVIDER 2	LVT-1	RB-2	PT-1	PT-1	PT-1	PT-2	-	-	-	-	ACT-1		
3E-233	GEN/PLASTIC TEAM CENTER	LVT-1	RB-2	-	PT-1,9	PT-9	PT-1,9	PLAM-1	-	-	-	ACT-1 / PT-9	6	
3E-234	GEN/PLASTIC SURG. PROVIDER 3	LVT-1	RB-2	PT-1	PT-1	PT-1	PT-2	-	-	-	-	ACT-1		
3E-235	PULMONARY TEAM CENTER	LVT-1	RB-2	PT-9	PT-1	-	PT-1	-	-	-	-	ACT-1 / PT-9	6	
3E-236	PROVIDER OFFICE	LVT-1	RB-2	PT-2	PT-1	PT-1	PT-1	-	-	-	-	ACT-1		
3E-237	PROVIDER OFFICE	LVT-1	RB-2	PT-2	PT-1	PT-1	PT-1	-	-	-	-	ACT-1		
3E-238	PROVIDER OFFICE	LVT-1	RB-2	PT-2	PT-1	PT-1	PT-1	-	-	-	-	ACT-1		
3E-239	PROVIDER OFFICE	LVT-1	RB-2	PT-2	PT-1	PT-1	PT-1	-	-	-	-	ACT-1		
3E-240	PULM EXAM 3	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-241	PULM EXAM 4	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-242	PULM EXAM 5	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-243	PULM EXAM 6	LVT-1,2	RB-1	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-244	PULM EXAM 7	LVT-1,2	RB-1	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-245	PULM EXAM 8	LVT-1,2	RB-1	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-246	ENT EXAM 1	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-247	ENT EXAM 2	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-248	ENT EXAM 3	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-249	ENT EXAM 4	LVT-1,2	RB-1	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-250	ENT EXAM 5	LVT-1,2	RB-1	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-251	ENT EXAM 6	LVT-1,2	RB-1	PT-8 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-253	DECONTAM.	RSF-1	IB-1	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	-	-	SST-1	-	ACT-2		
3E-254	CLEAN	RSF-1	IB-1	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-2		
3E-255	JANITOR	RSF-1	IB-1	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	-	-	-	-	EXPOSED		
3E-256	STAFF LOUNGE	LVT-1	RB-2	PT-1	PT-1	PT-1	PT-1,9	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-257	STAFF TLT	RSF-2	IB-2	PT-1A	PT-1A	PT-1A	CWT-1	-	-	-	-	ACT-1	3	
3E-258	ENT AUDIOLOGY	LVT-2	RB-2	PT-1	PT-1	PT-2	PT-1	-	-	-	-	ACT-1		

ROOM FINISH SCHEDULE - THIRD FLOOR

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	CASEWORK BASE CABINETS	CASEWORK WALL CABINETS	CASEWORK COUNTERTOPS	CASEWORK SINKS	CEILING	NOTES	REVISION #
3E-259	ENT MA	LVT-1	RB-2	PT-1	-	PT-1	PT-9	-	-	-	-	ACT-1 / PT-9	6	
3E-260	ENT PROVIDER OFFICE	LVT-1	RB-2	PT-1	PT-1	PT-2	PT-1	-	-	-	-	ACT-1		
3E-261	NURSE OFFICE/ FLEX	LVT-1	RB-2	PT-9	PT-1	PT-1	PT-1	-	-	-	-	ACT-1		
3E-262	PULMONARY TEAM CENTER	LVT-1	RB-2	PT-1	-	PT-1	PT-9	-	-	-	-	ACT-1 / PT-9	6	
3E-263	PROVIDER OFFICE	LVT-1	RB-2	PT-2	PT-1	PT-1	PT-1	-	-	-	-	ACT-1		
3E-264	PROVIDER OFFICE	LVT-1	RB-2	PT-1	PT-1	PT-2	PT-1	-	-	-	-	ACT-1		
3E-265	PULM PFT/SPIRO #1	LVT-1	RB-2	PT-1	PT-1	PT-1	PT-2	-	-	-	-	ACT-1		
3E-266	PULM PFT/SPIRO #2	LVT-1	RB-2	PT-1	PT-1	PT-1	PT-2	-	-	-	-	ACT-1		
3E-300A	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	-	-	-	ACT-1 / PT-5		
3E-300B	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1 / PT-5		
3E-300C	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1 / PT-5		
3E-300E	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1 / PT-5		
3E-300F	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1 / PT-5		
3E-300G	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1 / PT-5		
3E-300H	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	-	PT-1 / WP-2	-	-	-	-	-	ACT-1 / PT-5		
3E-300I	CORRIDOR	LVT-2	RB-1	PT-1 / WP-2	PT-1 / WP-2	-	PT-1 / WP-2	-	-	-	-	ACT-1 / PT-5		
3E-301	LAB SUBWAIT	LVT-2	RB-1	PT-2	PT-2	PT-2	PT-1	-	-	-	-	ACT-1		
3E-302	LAB	RSF-1	IB-1	PT-1A	PT-1A	PT-1A / WP-2	PT-1A / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-2		
3E-303	PAT TLT	RSF-2	IB-2	CWT-1	PT-1A	PT-1A	PT-1A	-	-	-	-	ACT-1	3	
3E-304	SCHEDULING (3-4)	LVT-1	RB-2	PT-1	PT-1,2	PT-1	PT-1	-	-	-	-	ACT-1		
3E-305	PROVIDER 1/2	LVT-1	RB-2	PT-1	PT-1,2	PT-1	PT-1	-	-	-	-	ACT-1		
3E-306	NURSE / TEAM CENTER 1-10	LVT-1	RB-2	PT-1	PT-9	-	PT-1,9	-	-	-	-	ACT-1 / PT-9	6	
3E-307	PROVIDER 3/4	LVT-1	RB-2	PT-1	-	PT-1	PT-2	-	-	-	-	ACT-1		
3E-308	CONF (MGR. & LEAD)	LVT-1,2	RB-1	PT-1	PT-1,2	PT-1	PT-1	-	-	-	-	ACT-1		
3E-309	APP (4)	LVT-1	RB-2	PT-1	PT-1,2	PT-1	PT-1	-	-	-	-	ACT-1		
3E-310	PROVIDER 5/6	LVT-1	RB-2	PT-1	PT-2	PT-1	PT-1	-	-	-	-	ACT-1		
3E-311	NURSE / TEAM CENTER	LVT-1	RB-2	PT-1,9	PT-1	-	PT-1	-	-	-	-	ACT-1 / PT-9	6	
3E-312	PROVIDER 7/8	LVT-1	RB-2	PT-1	-	PT-1	PT-1,2	-	-	-	-	ACT-1		
3E-313	TRIAGE OFFICE	LVT-1	RB-2	PT-1	PT-1,2	-	PT-1,2	-	-	-	-	ACT-1		
3E-314	WOMEN'S EXAM 23	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-8	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-315	WOMEN'S EXAM 24	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-8	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-316	WOMEN'S EXAM 25	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-8	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-317	WOMEN'S EXAM 26	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-8	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-318	WOMEN'S EXAM 27	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1	PT-8	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-319	ELEC	CS-1	RB-2	PT-1	PT-1	PT-1	PT-1	-	-	-	-	EXPOSED		
3E-320	PROCEDURE 2	RSF-1	IB-1	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-2		
3E-321	PROCEDURE 1	RSF-1	IB-1	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-2		
3E-322	SOILED HOLD	RSF-1	IB-1	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	-	-	-	-	ACT-2		2
3E-323	ULTRASOUND 3	RSF-1	IB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-324	ULTRASOUND 2	RSF-1	IB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-325	PAT TLT	RSF-2	IB-2	PT-1A	PT-1A	CWT-1	PT-1A	-	-	-	-	ACT-1	3	
3E-326	ULTRASOUND 1	RSF-1	IB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-327	CHECK OUT (2 MOS)	LVT-1,2	RB-1	PT-1	-	PT-1	PT-1	PLAM-1	-	PLAM-2	-	ACT-1 / PT-7	8	
3E-329	PM OFFICE	LVT-1	RB-2	PT-2	PT-1	PT-1	PT-1	-	-	-	-	ACT-1		
3E-330	CONSULT / EDUCATION	LVT-1	RB-2	PT-2	PT-1	PT-1	PT-1	-	-	-	-	ACT-1		
3E-331	WOMEN'S EXAM 3	LVT-1,2	RB-1	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-332	WOMEN'S EXAM 2	LVT-1,2	RB-1	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-333	WOMEN'S EXAM 1	LVT-1,2	RB-1	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-334	ALCOVE	LVT-1	RB-1	-	PT-2 / WP-2	PT-2 / WP-2	PT-2 / WP-2	PLAM-1	PLAM-1	PLAM-2	-	ACT-1		
3E-335	PAT TLT	RSF-2	IB-2	PT-1A	PT-1A	PT-1A	CWT-1	-	-	-	-	ACT-1	3	
3E-336	WOMEN'S EXAM 4	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-337	WOMEN'S EXAM 5	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-338	VITALS	LVT-1	RB-1	PT-2 / WP-2	PT-2 / WP-2	-	PT-2 / WP-2	-	-	-	-	PT-2	7	
3E-339	WOMEN'S EXAM 8	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-340	WOMEN'S EXAM 7	LVT-1,2	RB-1	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-341	WOMEN'S EXAM 6	LVT-1,2	RB-1	PT-1 / WP-2	PT-1,8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-342	ALCOVE	LVT-1	RB-1	-	PT-2	PT-2	PT-2	PLAM-1	PLAM-1	PLAM-2	-	ACT-1		
3E-343	PAT TLT	RSF-2	IB-2	PT-1A	PT-1A	PT-1A	CWT-1	-	-	-	-	ACT-1	3	
3E-344	WOMEN'S EXAM 9	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-345	WOMEN'S EXAM 10	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-346	VITALS	LVT-1	RB-1	PT-2 / WP-2	PT-2 / WP-2	-	PT-2 / WP-2	-	-	-	-	PT-2	7	
3E-347	WOMEN'S EXAM 13	LVT-1,2	RB-1	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-348	WOMEN'S EXAM 12	LVT-1,2	RB-1	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-349	WOMEN'S EXAM 11	LVT-1,2	RB-1	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-350	ALCOVE	LVT-2	RB-1	-	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	PLAM-2	-	ACT-1		
3E-351	PAT TLT	RSF-2	IB-2	PT-1A	PT-1A	PT-1A	CWT-1	-	-	-	-	ACT-1	3	
3E-352	CLEAN	RSF-1	IB-1	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	-	-	-	-	ACT-2		
3E-353	SOILED	RSF-1	IB-1	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-2		
3E-354	STORAGE	LVT-2	RB-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1		
3E-355	VITALS	LVT-1	RB-1	PT-2 / WP-2	PT-2 / WP-2	-	PT-2 / WP-2	-	-	-	-	PT-2	7	
3E-356	WOMEN'S EXAM 16	LVT-1,2	RB-1	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-357	WOMEN'S EXAM 15	LVT-1,2	RB-1	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-358	WOMEN'S EXAM 14	LVT-1,2	RB-1	PT-1 / WP-2	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-359	STAFF TLT	RSF-2	IB-2	PT-1A	PT-1A	CWT-1	PT-1A	-	-	-	-	ACT-1	3	
3E-360	STORAGE	LVT-2	RB-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	-	-	-	-	ACT-1		
3E-361	PAT TLT	RSF-2	IB-2	PT-1A / CWT-1	PT-1A / CWT-1	PT-1A	PT-1A	-	-	-	-	ACT-1	3	
3E-362	WOMEN'S EXAM 19	LVT-1,2	RB-1	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-363	WOMEN'S EXAM 18	LVT-1,2	RB-1	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-364	WOMEN'S EXAM 17	LVT-1,2	RB-1	PT-8 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-365	WOMEN'S EXAM 20	LVT-1,2	RB-1	PT-1 / WP-2	PT-1,8 / WP-2	PT-1,8 / WP-2	PT-1 / WP-2	PLAM-1	PLAM-1	SSF-1	IS-1	ACT-1		
3E-366	WOMEN'S EXAM 21	LVT-1,2	RB-1	PT-1 / WP-2	PT-1 / WP-2	PT-8 / WP-2	PT-1

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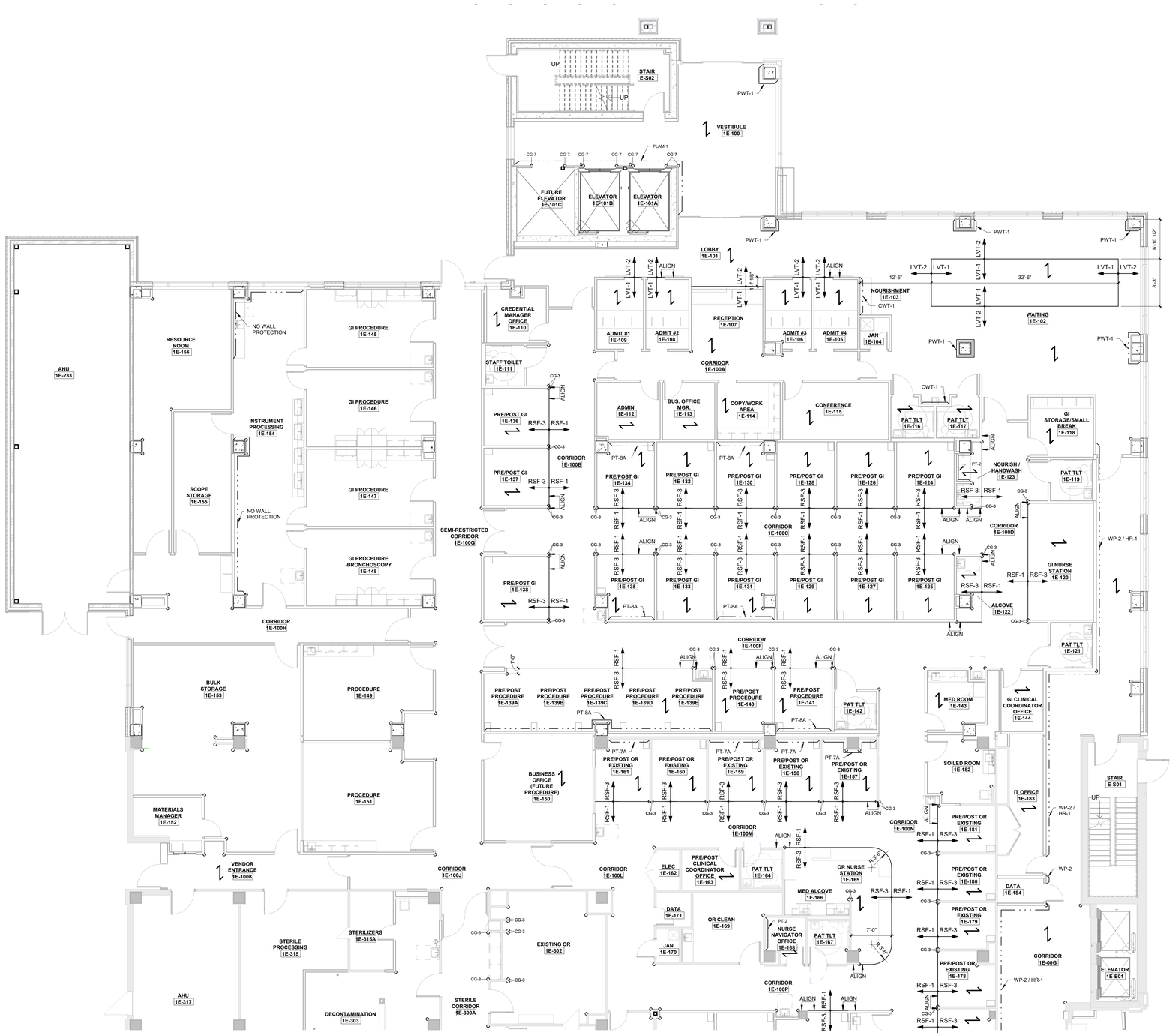
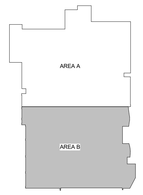


FINISH FLOOR PLAN LEGEND	
	WALL TREATMENT
	FLOOR TRANSITION
	CORNER GUARD (CG-1 U.O.N.)
	FLOOR FINISH DIRECTION
	NOT IN SCOPE
	NOT IN ARCHITECTURAL SCOPE

FOR ALL FLOORING TRANSITIONS, REFER TO TYPICAL TRANSITION DETAILS ON SHEET A701, UNLESS OTHERWISE NOTED ON THIS PLAN.

RE: ROOM FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR WALL PROTECTION LOCATIONS. NO WALL PROTECTION ON EXTERIOR WALLS.



KEY PLAN - FIRST FLOOR ASC - AREA A
1" = 100'-0"

A2 FIRST FLOOR - ASC AREA A FINISH PLAN
1/8" = 1'-0"

NORTH

RELEASED FOR CONSTRUCTION
As noted on drawings
Per Plan Services Department
Lee's Summit, Missouri
01/16/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number:
#001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#00127265

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	KDS
Checked By	KGF

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS
A711a

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FIRST FLOOR FINISH FLOOR PLAN - AREA A

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/3-21037_ASC Expansion & Renovation.rvt

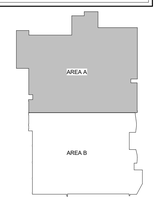
1/17/2023 9:51:13 AM

FINISH FLOOR PLAN LEGEND

	WALL TREATMENT
	FLOOR TRANSITION
	CORNER GUARD (CG-1 U.O.N.)
	FLOOR FINISH DIRECTION
	NOT IN SCOPE
	NOT IN ARCHITECTURAL SCOPE

FOR ALL FLOORING TRANSITIONS, REFER TO TYPICAL TRANSITION DETAILS ON SHEET A701, UNLESS OTHERWISE NOTED ON THIS PLAN.

RE: ROOM FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR WALL PROTECTION LOCATIONS. NO WALL PROTECTION ON EXTERIOR WALLS.



KEY PLAN - FIRST FLOOR ASC - AREA B
1" = 100'-0"

A2 FIRST FLOOR - ASC AREA B FINISH PLAN
1/8" = 1'-0"

NORTH

RELEASED FOR CONSTRUCTION
As noted on the drawings
City of Lee's Summit Development Services Department
Lee's Summit, Missouri
01/16/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
NUMBER A-2011012130
ARCHITECT

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number:
#001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#00127265

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	KDS
Checked By	KGF

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS

A711b

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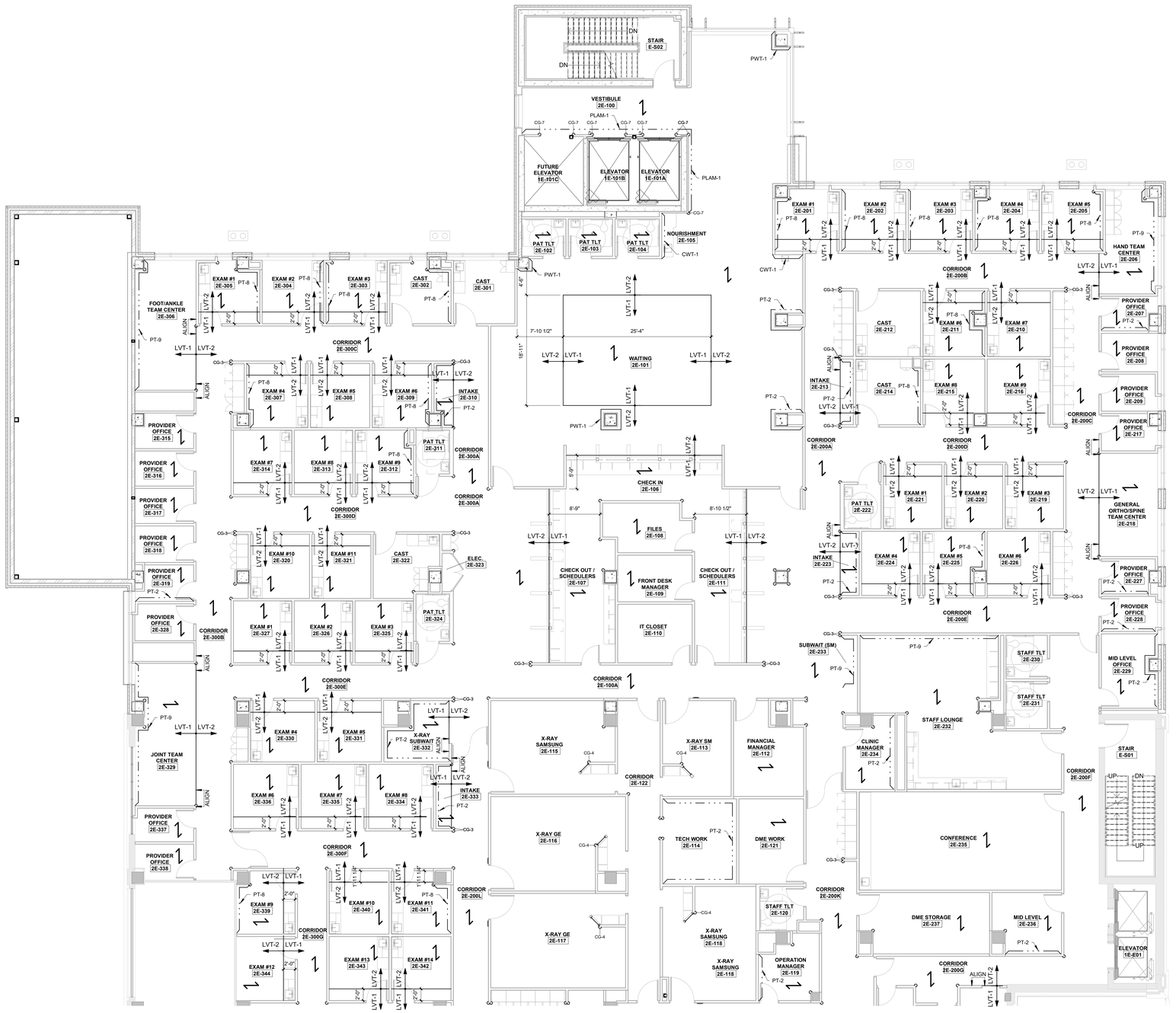
FIRST FLOOR FINISH FLOOR PLAN - AREA B

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/3-21037_ASC Expansion & Renovation.rvt

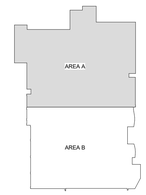
1/17/2023 9:51:20 AM



FINISH FLOOR PLAN LEGEND	
	WALL TREATMENT
	FLOOR TRANSITION
	CORNER GUARD (CG-1 U.O.N.)
	FLOOR FINISH DIRECTION
	NOT IN SCOPE
	NOT IN ARCHITECTURAL SCOPE

FOR ALL FLOORING TRANSITIONS, REFER TO TYPICAL TRANSITION DETAILS ON SHEET A701, UNLESS OTHERWISE NOTED ON THIS PLAN.

RE: ROOM FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR WALL PROTECTION LOCATIONS. NO WALL PROTECTION ON EXTERIOR WALLS.



KEY PLAN - SECOND FLOOR - AREA A
1" = 100'-0"

A2 SECOND FLOOR - ROCKHILL AREA A FINISH PLAN
1/8" = 1'-0"

NORTH

RELEASED FOR CONSTRUCTION
As noted on this sheet
Planning & Development Services Department
Lee's Summit, Missouri
01/16/2024

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number: #001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #00127265

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	KDS
Checked By	KGF

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS

A712a

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SECOND FLOOR FINISH FLOOR PLAN - AREA A

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/3-21037_ASC Expansion & Renovation.rvt

1/17/2023 9:51:26 AM

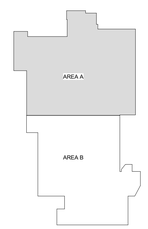
A2 SECOND FLOOR - ROCKHILL AREA B FINISH PLAN
1/8" = 1'-0"

NORTH

FINISH FLOOR PLAN LEGEND	
	WALL TREATMENT
	FLOOR TRANSITION
	CORNER GUARD (CG-1 U.O.N.)
	FLOOR FINISH DIRECTION
	NOT IN SCOPE
	NOT IN ARCHITECTURAL SCOPE

FOR ALL FLOORING TRANSITIONS, REFER TO TYPICAL TRANSITION DETAILS ON SHEET A701, UNLESS OTHERWISE NOTED ON THIS PLAN.

RE: ROOM FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR WALL PROTECTION LOCATIONS. NO WALL PROTECTION ON EXTERIOR WALLS.



KEY PLAN - SECOND FLOOR - AREA B
1" = 100'-0"

RELEASED FOR CONSTRUCTION
As noted on drawings
Community Development Department
Lee's Summit, Missouri
01/16/2024

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number: #001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
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IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
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CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	KDS
Checked By	KGF

Revision

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CONSTRUCTION DOCUMENTS

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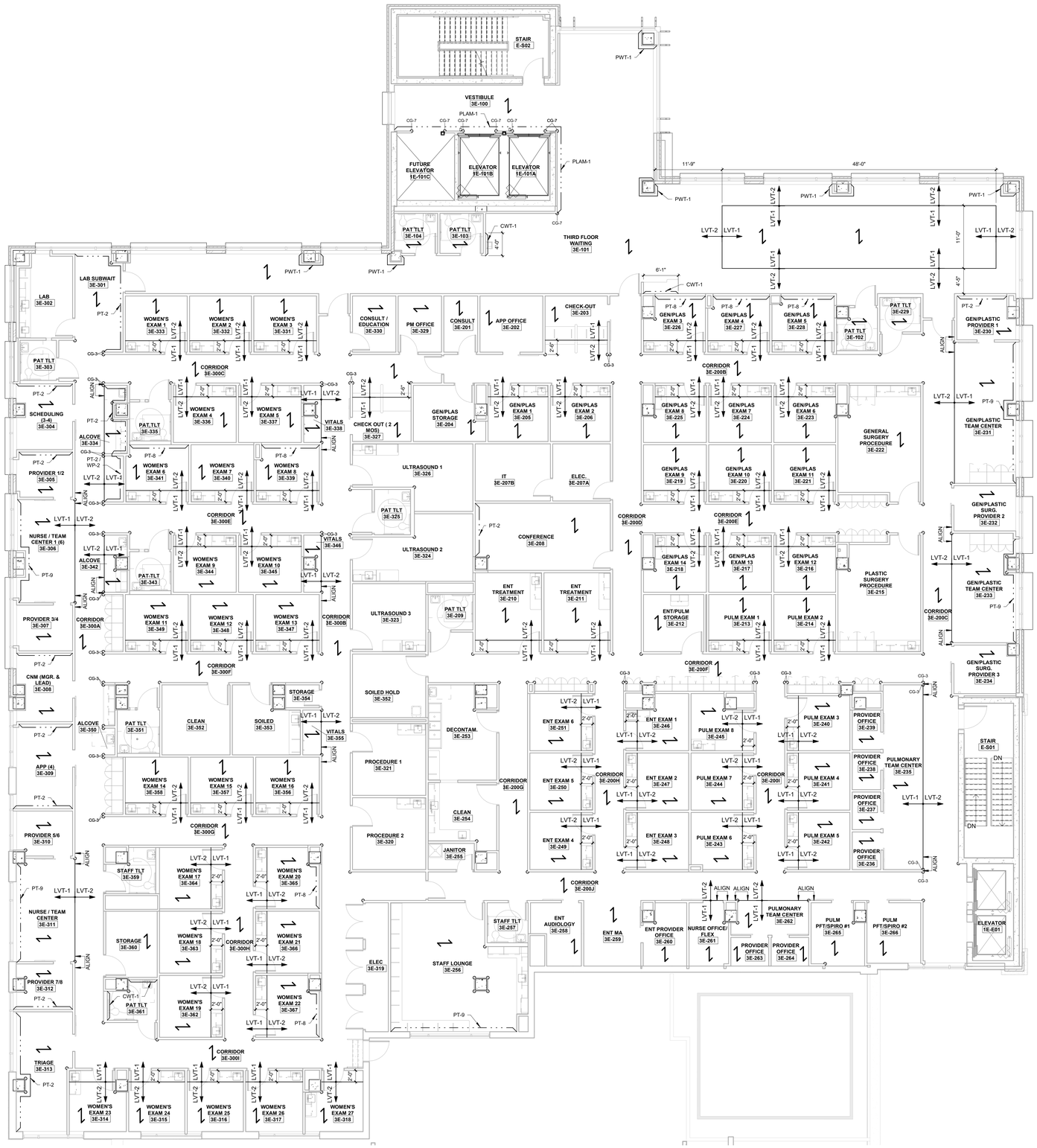
SECOND FLOOR FINISH PLAN - AREA B

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/3-21037_ASC Expansion & Renovation.rvt

1/17/2023 9:51:34 AM



A2 THIRD FLOOR - MULTISPECIALTY FINISH PLAN
1/8" = 1'-0"

NORTH

FINISH FLOOR PLAN LEGEND

- WALL TREATMENT
- FLOOR TRANSITION
- CORNER GUARD (CG-1 U.O.N.)
- FLOOR FINISH DIRECTION
- NOT IN SCOPE
- NOT IN ARCHITECTURAL SCOPE

FOR ALL FLOORING TRANSITIONS, REFER TO TYPICAL TRANSITION DETAILS ON SHEET A701, UNLESS OTHERWISE NOTED ON THIS PLAN.

RE: ROOM FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR WALL PROTECTION LOCATIONS. NO WALL PROTECTION ON EXTERIOR WALLS.

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/3-21037_ASC Expansion & Renovation.rvt

RELEASED FOR CONSTRUCTION
As noted on drawings
By Building Services Department
Jefferson City, Missouri
01/16/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number: #001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
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Saint Luke's
EAST HOSPITAL
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100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	KDS
Checked By	KGF

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS

A713

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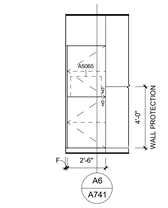
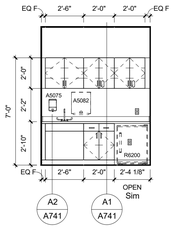
THIRD FLOOR FINISH FLOOR PLAN

2/12/2023 8:22:19 PM



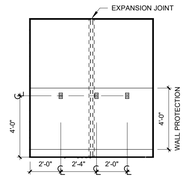
E6 ASC MED ROOM - SOUTH
1/4" = 1'-0"

1E-143	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



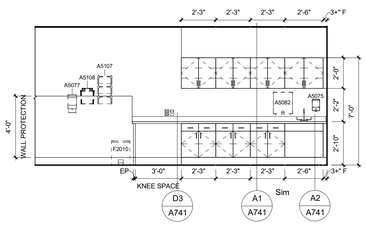
E5 ASC MED ROOM - EAST
1/4" = 1'-0"

1E-143	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



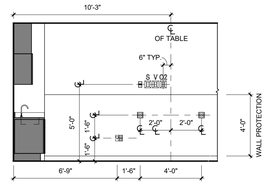
E4 ASC EMERGENCY EQUIP. ALCOVE - NORTH
1/4" = 1'-0"

1E-100G	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



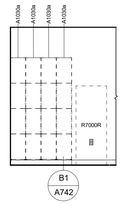
E3 ASC TYP PROCEDURE - WEST
1/4" = 1'-0"

1E-151	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



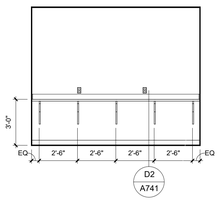
E2 ASC TYP PROCEDURE - NORTH
1/4" = 1'-0"

1E-151	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



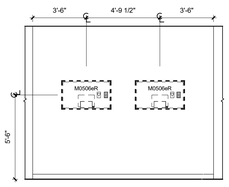
E1 ASC GI STORAGE/SMALL BREAK - WEST
1/4" = 1'-0"

1E-118	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	PLAM-2
SINKS	-



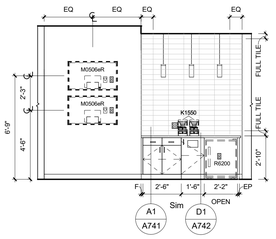
D6 ASC GI STORAGE/SMALL BREAK - EAST
1/4" = 1'-0"

1E-118	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	PLAM-2
SINKS	-



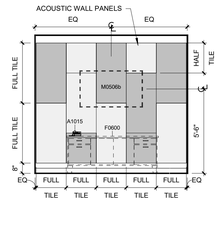
D5 ASC WAITING - WEST
1/4" = 1'-0"

1E-102	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



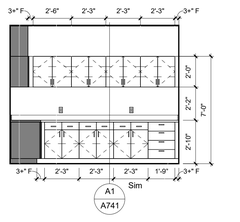
D4 ASC NOURISHMENT STATION - NORTH
1/4" = 1'-0"

1E-103	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	QTZ-1
SINKS	-



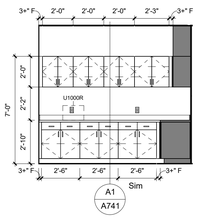
D2 ASC CONFERENCE - SOUTH
1/4" = 1'-0"

1E-115	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



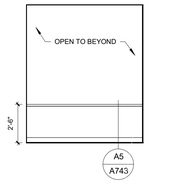
6 ASC COPY/WORK - WEST
1/4" = 1'-0"

1E-114	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	PLAM-2
SINKS	-



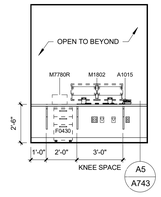
C5 ASC COPY/WORK - SOUTH
1/4" = 1'-0"

1E-114	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	PLAM-2
SINKS	-



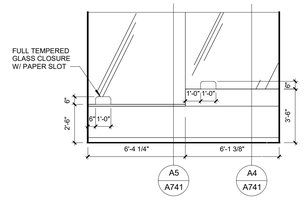
C4 TYP. ADMIT BAY - EAST
1/4" = 1'-0"

1E-105	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	PLAM-2
SINKS	-



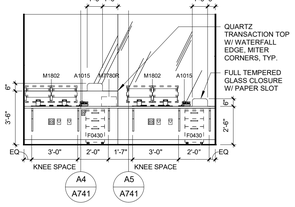
C3 TYP. ADMIT BAY - EAST
1/4" = 1'-0"

1E-105	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	PLAM-2
SINKS	-



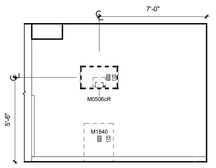
C2 ASC RECEPTION - WEST
1/4" = 1'-0"

1E-107	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	SSF-1 / QTZ-1
SINKS	-



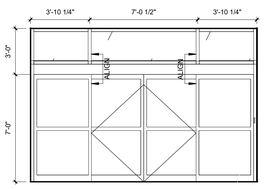
C1 ASC RECEPTION - EAST
1/4" = 1'-0"

1E-107	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	SSF-1 / QTZ-1
SINKS	-



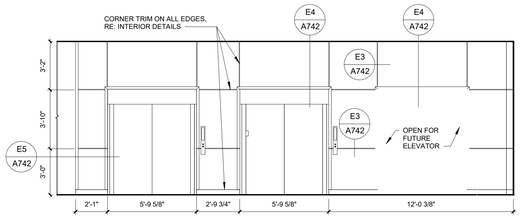
B6 ASC GI NURSE STATION - EAST
1/4" = 1'-0"

1E-120	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



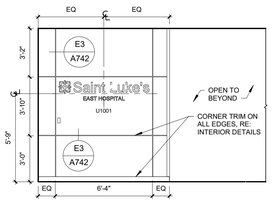
B5 ASC VESTIBULE - WEST B
1/4" = 1'-0"

1E-100	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



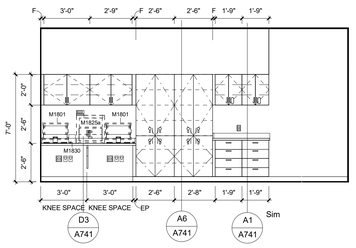
B4 ASC VESTIBULE - WEST A
1/4" = 1'-0"

1E-100	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



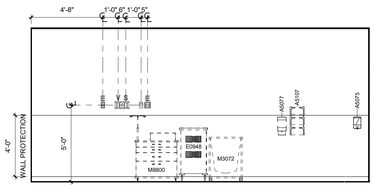
B3 ASC VESTIBULE - NORTH
1/4" = 1'-0"

1E-100	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



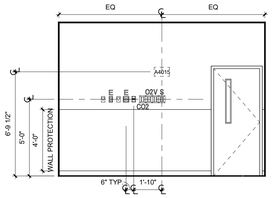
B2 ASC TYP GI PROCEDURE - WEST
1/4" = 1'-0"

1E-148	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	-



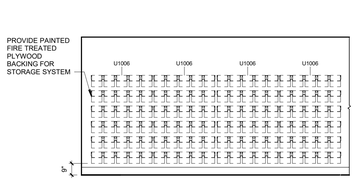
B1 ASC TYP GI PROCEDURE - EAST
1/4" = 1'-0"

1E-148	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	-



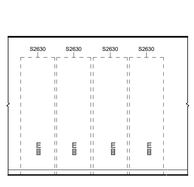
A6 ASC TYP GI PROCEDURE - NORTH
1/4" = 1'-0"

1E-148	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	-



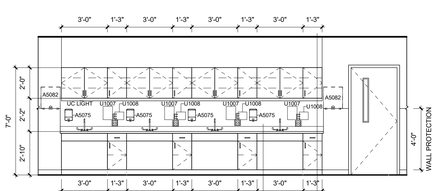
A5 ASC RESOURCE ROOM - SOUTH
1/4" = 1'-0"

1E-156	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



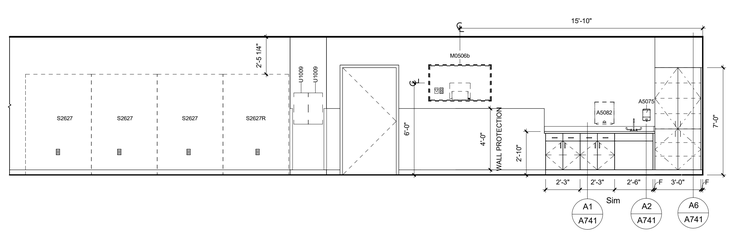
A4 ASC SCOPE STORAGE - NORTH
1/4" = 1'-0"

1E-155	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



A3 ASC INSTRUMENT PROCESSING - SOUTH
1/4" = 1'-0"

1E-154	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SST-1
SINKS	SST-2



A2 ASC INSTRUMENT PROCESSING - NORTH
1/4" = 1'-0"

1E-154	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SST-1
SINKS	SST-2

RELEASED FOR CONSTRUCTION
As noted on drawings
Kansas City Services Department
Kansas City, Missouri
01/16/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number:
#001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#00127265

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	KDS
Checked By	KGF

Revision

Number	Date	Description
2	2-10-23	ADDENDUM #2

CONSTRUCTION DOCUMENTS

A731

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INTERIOR ELEVATIONS

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/3-21037_ASC Expansion & Renovation.rvt

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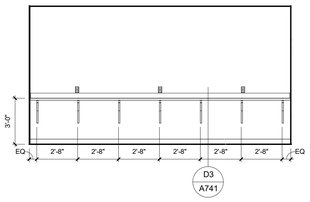
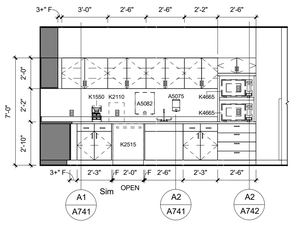


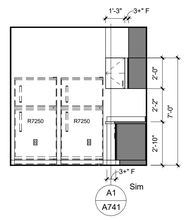
E5 ASC STAFF SUPPORT / LOUNGE - WEST
1/4" = 1'-0"

1E-219	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



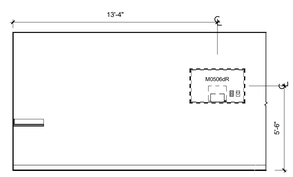
E4 ASC STAFF SUPPORT / LOUNGE - SOUTH
1/4" = 1'-0"

1E-219	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



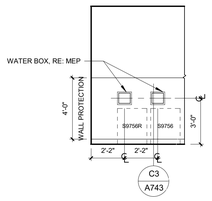
E3 ASC STAFF SUPPORT / LOUNGE - EAST
1/4" = 1'-0"

1E-219	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



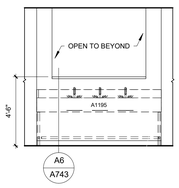
E2 ASC STAFF SUPPORT / LOUNGE - NORTH
1/4" = 1'-0"

1E-219	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



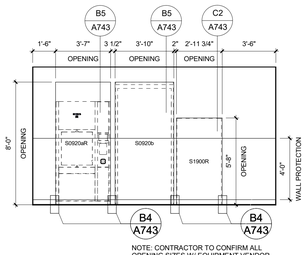
E1 ASC DECONTAMINATION - SOUTH B
1/4" = 1'-0"

1E-303	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	SST-1
SINKS	-



D6 ASC DECONTAMINATION - SOUTH A
1/4" = 1'-0"

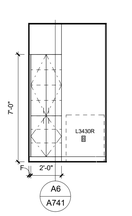
1E-303	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	SST-1
SINKS	-



NOTE: CONTRACTOR TO CONFIRM ALL OPENING SIZES W/ EQUIPMENT VENDOR PRIOR TO CONSTRUCTION.

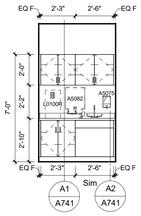
D5 ASC DECONTAMINATION - NORTH
1/4" = 1'-0"

1E-303	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	SST-1
SINKS	-



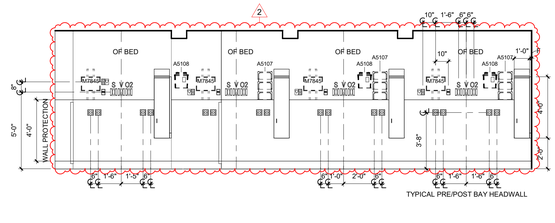
D4 ASC SPECIMEN PCKUP - SOUTH
1/4" = 1'-0"

1E-310	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



D3 ASC SPECIMEN PICKUP - NORTH
1/4" = 1'-0"

1E-310	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1

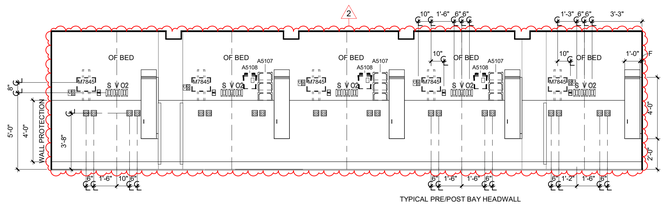


D2 ASC TYP PRE/POST GI BAY 2 - SOUTH
1/4" = 1'-0"

1E-202D	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-

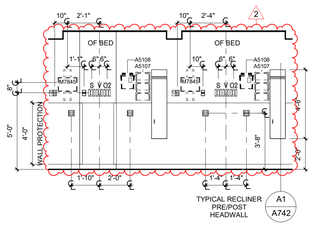
C6 ASC LOCKER ROOM TYP. LOCKER - SOUTH
1/4" = 1'-0"

1E-216	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



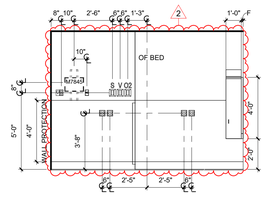
C5 ASC TYP PRE/POST GI BAY 1 - NORTH
1/4" = 1'-0"

1E-202G	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



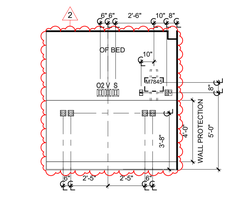
C3 ASC TYP PRE/POST GI RECLINER - WEST
1/4" = 1'-0"

1E-139B	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



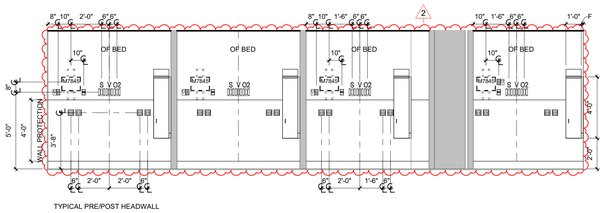
C2 ASC TYP PRE/POST GI 8 - EAST
1/4" = 1'-0"

1E-175	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



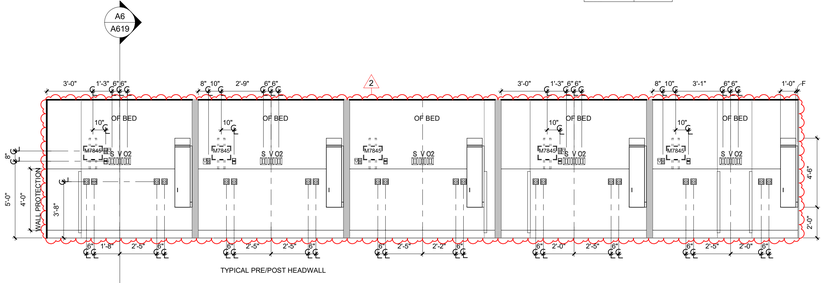
C1 ASC TYP PRE/POST GI 7 - WEST
1/4" = 1'-0"

1E-177	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



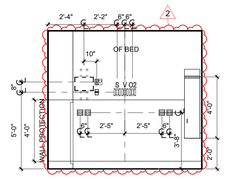
B6 ASC TYP PRE/POST GI 6 - SOUTH
1/4" = 1'-0"

1E-180	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



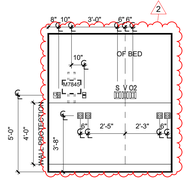
B4 ASC TYP PRE/POST GI 5 - EAST
1/4" = 1'-0"

1E-160	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



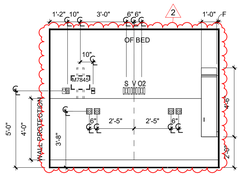
B2 ASC TYP PRE/POST GI 4 - WEST
1/4" = 1'-0"

1E-140	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



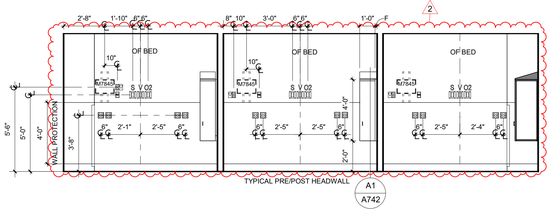
B1 ASC TYP PRE/POST GI 3 - WEST
1/4" = 1'-0"

1E-135	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



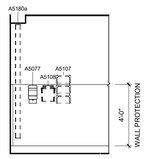
A6 ASC TYP PRE/POST GI 2 - NORTH
1/4" = 1'-0"

1E-136	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



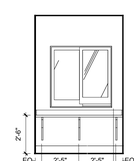
A4 ASC TYP PRE/POST GI 1 - EAST
1/4" = 1'-0"

1E-132	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



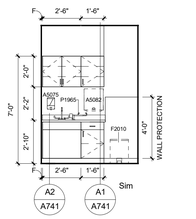
A3 ASC TYP PRE/POST GI - NORTH
1/4" = 1'-0"

1E-132	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



A2 ASC MATERIAL MANAGERS OFFICE - WEST
1/4" = 1'-0"

1E-152	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	PLAM-2
SINKS	-



A1 ASC SOILED ROOM - SOUTH
1/4" = 1'-0"

1E-182	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1

RELEASED FOR CONSTRUCTION
As noted on this transmittal
Building Services Department
Lee's Summit, Missouri
01/16/2024

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS

ACI/Boland, Inc.
Kansas City | St. Louis

1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600

Licensee's Certificate of Authority Number:
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BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
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1000 Walnut, Suite 1570
Kansas City, MO 64108
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IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
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Licensee's Certificate of Authority Number:
#00127265

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	KDS
Checked By	KGF

Revision

Number	Date	Description
2	2-10-23	ADDENDUM #2

CONSTRUCTION DOCUMENTS

A732

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INTERIOR ELEVATIONS

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021\3-21037_ASC Expansion & Renovation.rvt

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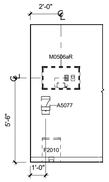
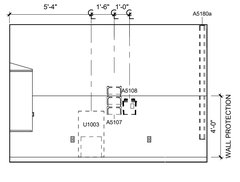


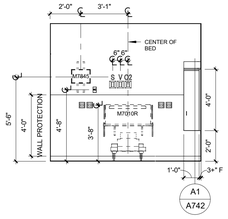
E6 ASC TYP 23 HOUR W/O SINK - WEST
1/4" = 1'-0"

1E-205	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



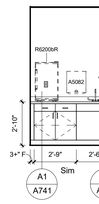
E5 ASC TYP 23 HR W/O SINK - EAST
1/4" = 1'-0"

1E-205	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



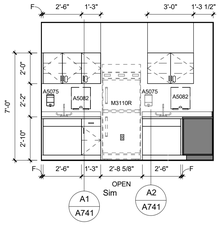
E4 ASC TYP 23 HR W/O SINK - NORTH
1/4" = 1'-0"

1E-205	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



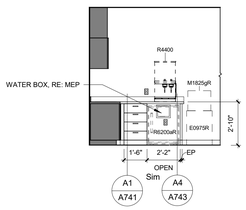
E3 ASC OR CLEAN ROOM - NORTH
1/4" = 1'-0"

1E-169	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	SSF-1
SINKS	IS-1



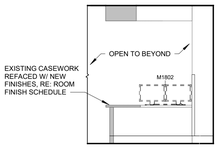
E2 ASC OR MED ALCOVE - WEST
1/4" = 1'-0"

1E-166	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



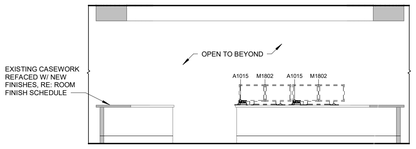
E1 ASC OR MED ALCOVE - NORTH
1/4" = 1'-0"

1E-166	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



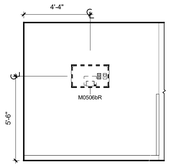
D6 ASC OR NURSE STATION - WEST
1/4" = 1'-0"

1E-165	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	SSF-1
SINKS	-



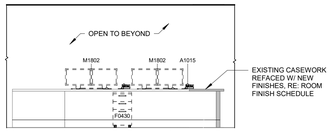
D5 ASC OR NURSE STATION - SOUTH
1/4" = 1'-0"

1E-165	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	SSF-1
SINKS	-



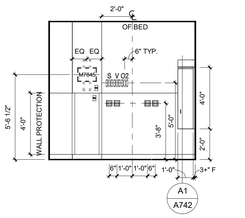
D4 ASC OR NURSE STATION - NORTH
1/4" = 1'-0"

1E-165	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	SSF-1
SINKS	-



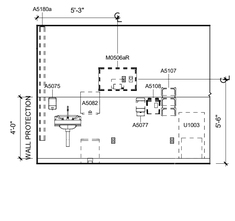
D3 ASC OR NURSE STATION - EAST
1/4" = 1'-0"

1E-165	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	SSF-1
SINKS	-



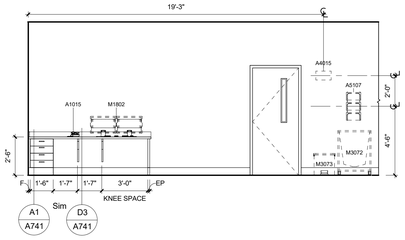
D2 ASC TYP 23 HR PATIENT ROOM - SOUTH
1/4" = 1'-0"

1E-204	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



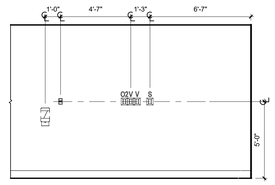
D1 ASC TYP 23 HR PATIENT ROOM - EAST
1/4" = 1'-0"

1E-204	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



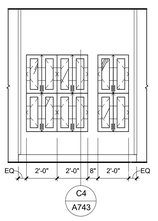
C6 ASC OR 1E-227 - WEST
1/4" = 1'-0"

1E-227	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	-



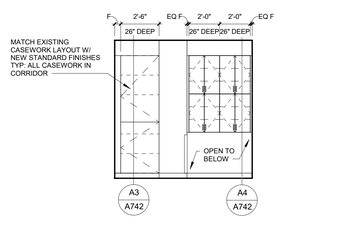
C5 ASC OR 1E-227 - EAST
1/4" = 1'-0"

1E-227	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	-



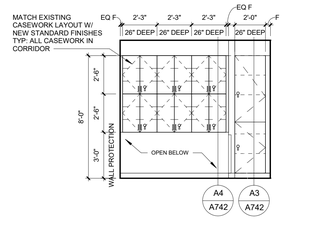
C4 ASC OR 1E-227 - NORTH
1/4" = 1'-0"

1E-227	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	-



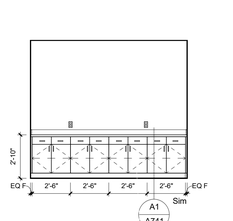
C3 ASC STERILE CORRIDOR CASEWORK - 1E-252 B
1/4" = 1'-0"

1E-300A	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	-
SINKS	-



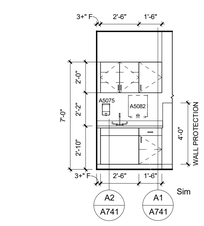
C2 ASC STERILE CORRIDOR CASEWORK - 1E-252
1/4" = 1'-0"

1E-300A	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	-
SINKS	-



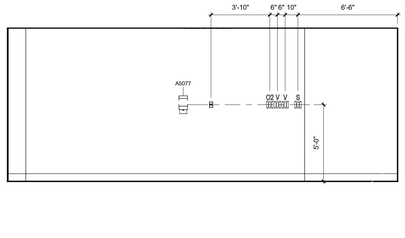
C1 ASC TYP SUBSTERILE - SOUTH
1/4" = 1'-0"

1E-228	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	SSF-1
SINKS	IS-1



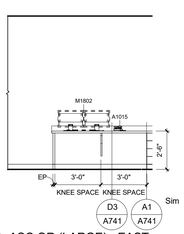
B6 ASC TYP SUBSTERILE - NORTH
1/4" = 1'-0"

1E-228	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



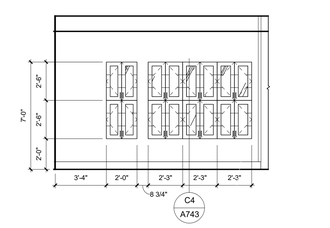
B5 ASC OR (LARGE) - WEST
1/4" = 1'-0"

1E-229	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	-



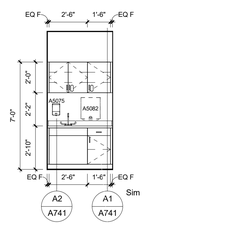
B4 ASC OR (LARGE) - EAST
1/4" = 1'-0"

1E-229	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	-



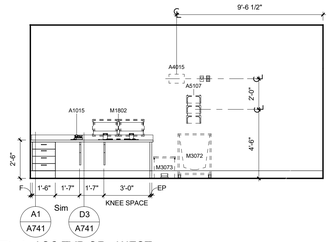
B3 ASC OR (LARGE) - NORTH
1/4" = 1'-0"

1E-229	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	-



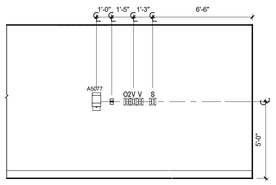
B2 ASC SUBSTERILE (SM) - WEST
1/4" = 1'-0"

1E-230	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



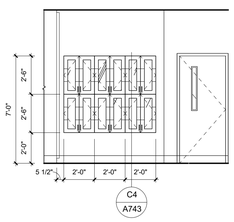
B1 ASC TYP OR - WEST
1/4" = 1'-0"

1E-231	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	-



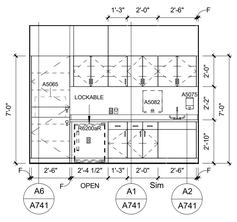
A6 ASC TYP OR - EAST
1/4" = 1'-0"

1E-231	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	-



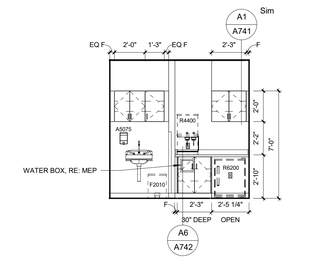
A5 ASC TYP OR - NORTH
1/4" = 1'-0"

1E-231	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	-



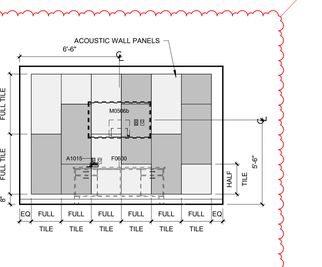
A4 ASC MEDS ROOM (LG) - NORTH
1/4" = 1'-0"

1E-176	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



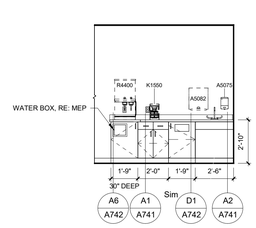
A3 ASC NOURISH/HANDWASH - NORTH
1/4" = 1'-0"

1E-123	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	-



A2 ASC BREAK/CONFERENCE - SOUTH
1/4" = 1'-0"

1E-214	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	SSF-1
SINKS	IS-1



A1 ASC BREAK/CONFERENCE - WEST
1/4" = 1'-0"

1E-214	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	SSF-1
SINKS	IS-1

RELEASED FOR CONSTRUCTION
As noted on Building Services Department
Kansas City, Missouri
01/16/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number: #001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #00127265

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	KDS
Checked By	KGF

Revision

Number	Date	Description
2	2-10-23	ADDENDUM #2

CONSTRUCTION DOCUMENTS

A733

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INTERIOR ELEVATIONS

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/3-21037_ASC Expansion & Renovation.rvt

2/12/2023 8:22:48 PM

RELEASED FOR CONSTRUCTION
As noted on this sheet
Building Services Department
Lee's Summit, Missouri
01/16/2024

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
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#001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#00127265

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS

A734

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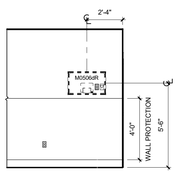
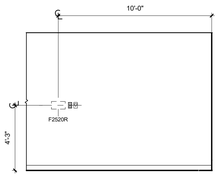
INTERIOR ELEVATIONS



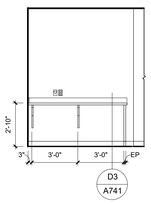
A6 ASC TYP PRE/POST OR PEDIATRIC - SOUTH
1/4" = 1'-0"

1E-174	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



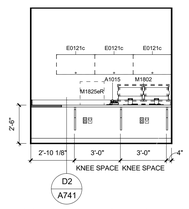
A5 ASC CORRIDOR 1E-100H - WEST
1/4" = 1'-0"

1E-100H	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	PLAM-2
SINKS	-



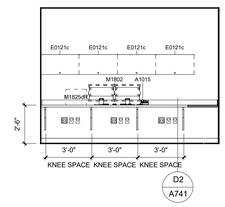
A4 ASC CORRIDOR 1E-100H - SOUTH
1/4" = 1'-0"

1E-100H	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	PLAM-2
SINKS	-



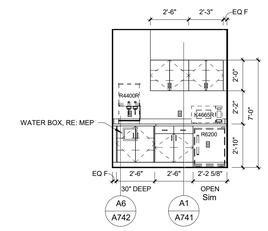
A3 ASC DOCTOR DICTATION ALCOVE - WEST
1/4" = 1'-0"

1E-226	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	PLAM-2
SINKS	-



A2 ASC DOCTOR DICTATION ALCOVE - SOUTH
1/4" = 1'-0"

1E-226	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	PLAM-2
SINKS	-



A1 ASC NOURISHMENT ALCOVE - SOUTH
1/4" = 1'-0"

1E-225	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	-

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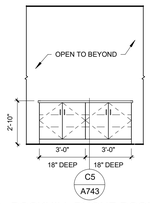
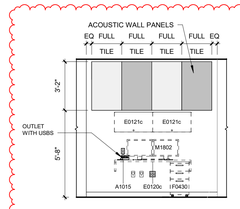


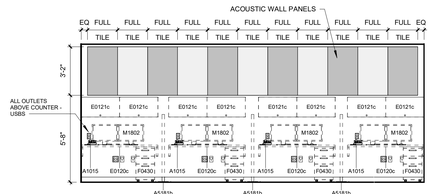
E6 ROCKHILL PHONE ROOM - WEST
1/4" = 1'-0"

2E-420	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	SSF-1
SINKS	-



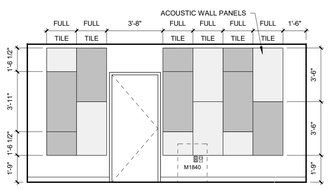
E5 ROCKHILL PHONE ROOM - SOUTH
1/4" = 1'-0"

2E-420	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	SSF-1
SINKS	-



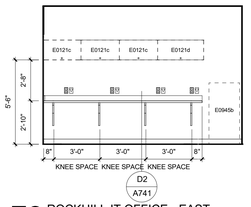
E4 ROCKHILL PHONE ROOM - EAST
1/4" = 1'-0"

2E-420	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	SSF-1
SINKS	-



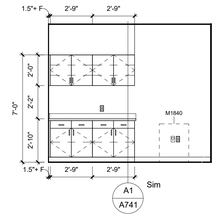
E3 ROCKHILL PHONE ROOM - NORTH
1/4" = 1'-0"

2E-420	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	SSF-1
SINKS	-



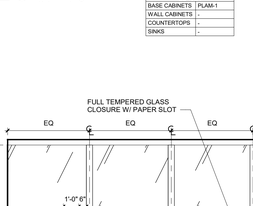
E2 ROCKHILL IT OFFICE - EAST
1/4" = 1'-0"

2E-422	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	PLAM-2
SINKS	-



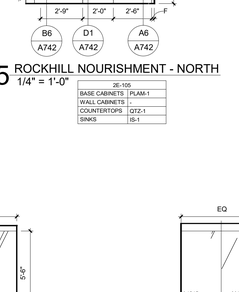
E1 ROCKHILL CORRIDOR WORK AREA - NORTH
1/4" = 1'-0"

2E-200H	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	PLAM-2
SINKS	-



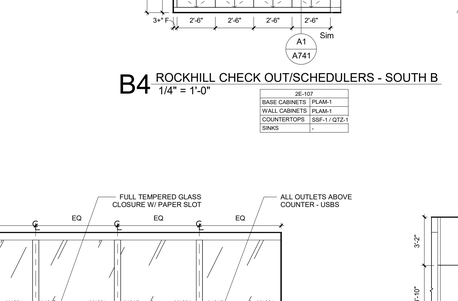
D6 ROCKHILL CLEAN - WEST
1/4" = 1'-0"

2E-427	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SST-1
SINKS	SST-2



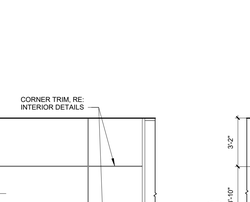
D5 ROCKHILL CLEAN - NORTH
1/4" = 1'-0"

2E-427	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SST-1
SINKS	SST-2



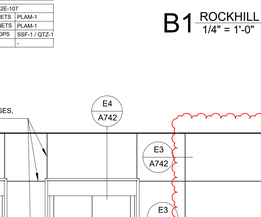
D4 ROCKHILL STAFF LOUNGE - WEST
1/4" = 1'-0"

2E-232	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



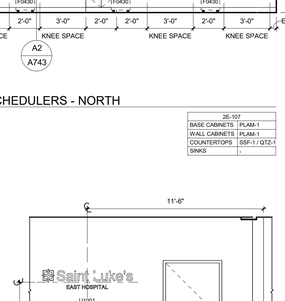
D3 ROCKHILL STAFF LOUNGE - SOUTH
1/4" = 1'-0"

2E-232	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



D2 ROCKHILL STAFF LOUNGE - EAST
1/4" = 1'-0"

2E-232	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



D1 ROCKHILL STAFF LOUNGE - NORTH
1/4" = 1'-0"

2E-232	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1

C6 ROCKHILL DME STORAGE - SOUTH
1/4" = 1'-0"

2E-200K	
BASE CABINETS	PLAM -1
WALL CABINETS	
COUNTERTOPS	
SINKS	

C5 ROCKHILL TYP PROVIDER OFFICE - WEST
1/4" = 1'-0"

2E-337	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-

C4 ROCKHILL CONFERENCE - SOUTH
1/4" = 1'-0"

2E-235	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	SSF-1
SINKS	IS-1

C3 ROCKHILL CONFERENCE - NORTH
1/4" = 1'-0"

2E-235	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	SSF-1
SINKS	IS-1

C2 ROCKHILL X-RAY SAMSUNG - EAST
1/4" = 1'-0"

2E-115	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	PLAM-2
SINKS	-

C1 ROCKHILL X-RAY SM - EAST
1/4" = 1'-0"

2E-113	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	PLAM-2
SINKS	-

B6 ROCKHILL XRAY STORAGE - EAST
1/4" = 1'-0"

2E-400A	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-

B5 ROCKHILL NOURISHMENT - NORTH
1/4" = 1'-0"

2E-105	
BASE CABINETS	PLAM-1
WALL CABINETS	
COUNTERTOPS	QTZ-1
SINKS	IS-1

B4 ROCKHILL CHECK OUT/SCHEDULERS - SOUTH B
1/4" = 1'-0"

2E-107	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1 / QTZ-1
SINKS	-

B3 ROCKHILL CHECK OUT/SCHEDULERS - SOUTH A
1/4" = 1'-0"

2E-107	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1 / QTZ-1
SINKS	-

B1 ROCKHILL CHECK OUT/SCHEDULERS - NORTH
1/4" = 1'-0"

2E-107	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1 / QTZ-1
SINKS	-

A6 ROCKHILL CHECK IN - WEST
1/4" = 1'-0"

2E-106	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	SSF-1 / QTZ-1
SINKS	-

A5 ROCKHILL CHECK IN - EAST
1/4" = 1'-0"

2E-106	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	SSF-1 / QTZ-1
SINKS	-

A3 ROCKHILL WAITING - NORTH
1/4" = 1'-0"

2E-101	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-

A2 ROCKHILL VESTIBULE - WEST
1/4" = 1'-0"

2E-100	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-

A1 ROCKHILL VESTIBULE - EAST
1/4" = 1'-0"

2E-100	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-

RELEASED FOR CONSTRUCTION
As noted on this sheet
Saint Luke's Health System Facility Services Department
Kansas City, Missouri
10/18/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT
1/16/2023
Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number:
#001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#00127265

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	KDS
Checked By	KGF

Revision

Number	Date	Description
2	2-10-23	ADDENDUM #2

CONSTRUCTION DOCUMENTS

A735

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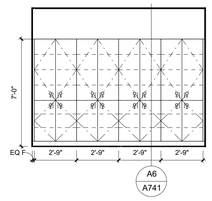
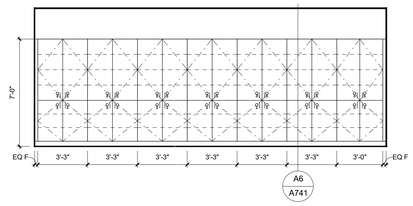
INTERIOR ELEVATIONS

2/12/2023 8:51:36 PM



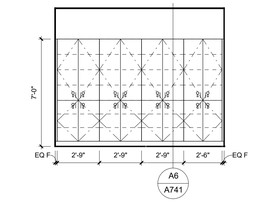
C5 ROCKHILL STORAGE ALCOVE 10 - SOUTH
1/4" = 1'-0"

2E-200A	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



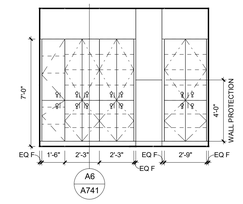
C4 ROCKHILL STORAGE ALCOVE 9 - NORTH
1/4" = 1'-0"

2E-200C	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



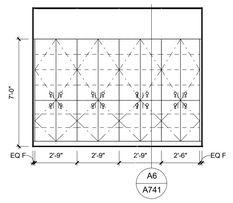
C3 ROCKHILL STORAGE ALCOVE 8 - NORTH
1/4" = 1'-0"

2E-200C	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



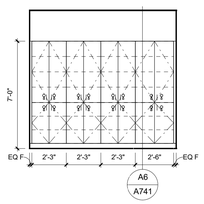
C2 ROCKHILL STORAGE ALCOVE 7 - SOUTH
1/4" = 1'-0"

2E-400B	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



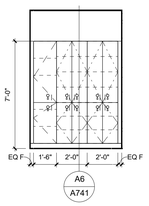
C1 ROCKHILL STORAGE ALCOVE 6 - NORTH
1/4" = 1'-0"

2E-200L	
BASE CABINETS	PLAM -1
WALL CABINETS	
COUNTERTOPS	
SINKS	



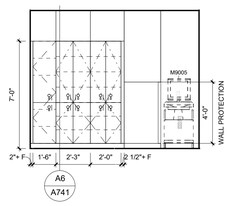
B6 ROCKHILL STORAGE ALCOVE 5 - NORTH
1/4" = 1'-0"

2E-200L	
BASE CABINETS	PLAM -1
WALL CABINETS	
COUNTERTOPS	
SINKS	



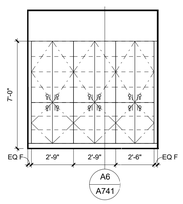
B5 ROCKHILL STORAGE ALCOVE 4 - SOUTH
1/4" = 1'-0"

2E-300B	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



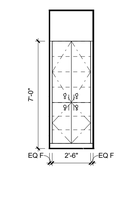
B4 ROCKHILL STORAGE ALCOVE 3 - SOUTH
1/4" = 1'-0"

2E-300B	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



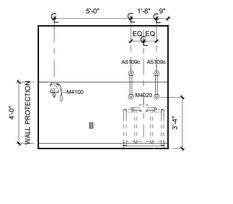
B3 ROCKHILL STORAGE ALCOVE 2 - SOUTH
1/4" = 1'-0"

2E-300B	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



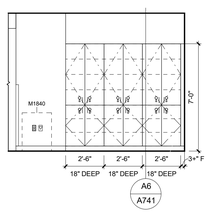
B2 ROCKHILL STORAGE ALCOVE 1 - NORTH
1/4" = 1'-0"

2E-300A	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



B1 ROCKHILL TYP INTAKE - NORTH
1/4" = 1'-0"

2E-310	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-

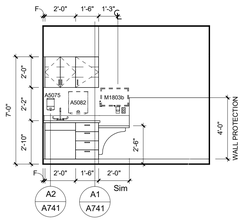


A6 ROCKHILL HAND TEAM CENTER - NORTH
1/4" = 1'-0"

2E-206	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-

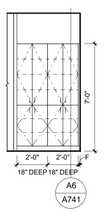
A5 ROCKHILL TYP EXAM - EAST
1/4" = 1'-0"

2E-304	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1 / PLAM-2
SINKS	IS-1



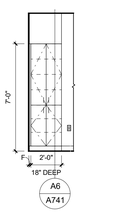
A4 ROCKHILL TYP EXAM - SOUTH
1/4" = 1'-0"

2E-304	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1 / PLAM-2
SINKS	IS-1



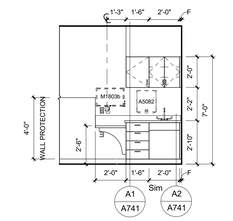
A3 ROCKHILL TYP CAST ROOM 2 - SOUTH
1/4" = 1'-0"

2E-322	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1 / PLAM-2
SINKS	IS-1



A2 ROCKHILL TYP CAST ROOM 1 - SOUTH
1/4" = 1'-0"

2E-302	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1 / PLAM-2
SINKS	IS-1



A1 ROCKHILL TYP CAST ROOM - NORTH
1/4" = 1'-0"

2E-302	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1 / PLAM-2
SINKS	IS-1

RELEASED FOR CONSTRUCTION
As noted by Development Services Department
Kansas City, Missouri
01/16/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number:
#001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#00127265

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	KDS
Checked By	KGF

Revision

Number	Date	Description
2	2-10-23	ADDENDUM #2

CONSTRUCTION DOCUMENTS
2
A736

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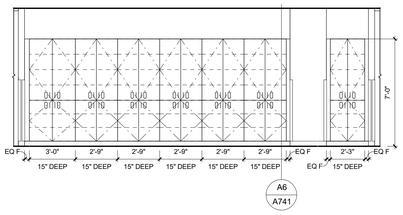
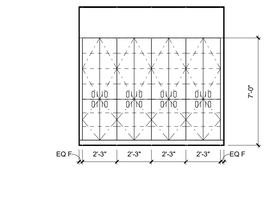
INTERIOR ELEVATIONS

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/3-21037_ASC Expansion & Renovation.rvt



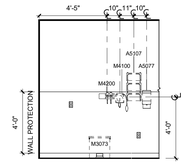
E6 SPECIALTY STORAGE ALCOVE 2 - WEST
1/4" = 1'-0"

3E-200F	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



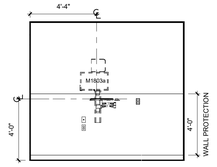
E5 SPECIALTY STORAGE ALCOVE 1 - WEST
1/4" = 1'-0"

3E-200F	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



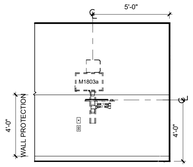
E4 SPECIALTY TYP ENT EXAM 2 - WEST
1/4" = 1'-0"

3E-246	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



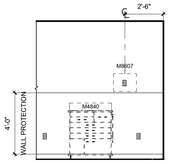
E3 SPECIALTY TYP ENT EXAM 2 - SOUTH
1/4" = 1'-0"

3E-246	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



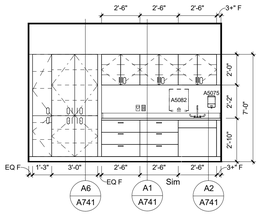
E2 SPECIALTY TYP ENT EXAM 1 - WEST
1/4" = 1'-0"

3E-251	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



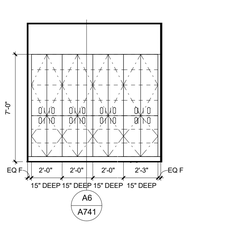
E1 SPECIALTY TYP ENT EXAM 1 - NORTH
1/4" = 1'-0"

3E-251	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



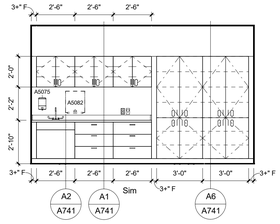
D6 SPECIALTY PROCEDURE 2 - EAST
1/4" = 1'-0"

3E-222	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



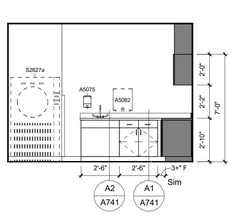
D5 SPECIALTY PROCEDURE 1 STOR. - WEST
1/4" = 1'-0"

3E-200E	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



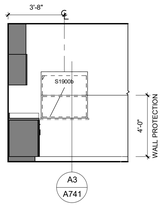
D4 SPECIALTY PROCEDURE 1 - WEST
1/4" = 1'-0"

3E-215	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



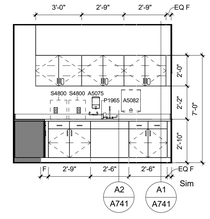
D3 SPECIALTY CLEAN - WEST
1/4" = 1'-0"

3E-254	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



D2 SPECIALTY CLEAN - EAST
1/4" = 1'-0"

3E-254	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



D1 SPECIALTY CLEAN - NORTH
1/4" = 1'-0"

3E-254	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1

C6 SPECIALTY DECONTAM. - NORTH
1/4" = 1'-0"

3E-253	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	SST-1
SINKS	-

C5 SPECIALTY ENT TREATMENT - SOUTH
1/4" = 1'-0"

3E-210	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1

C4 SPECIALTY ENT TREATMENT - EAST
1/4" = 1'-0"

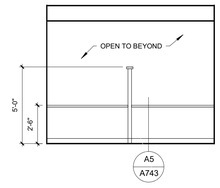
3E-210	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1

C3 SPECIALTY ENT TREATMENT - NORTH
1/4" = 1'-0"

3E-210	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1

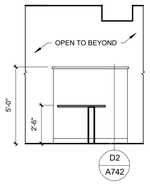
C2 SPECIALTY CONFERENCE - NORTH
1/4" = 1'-0"

3E-208	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



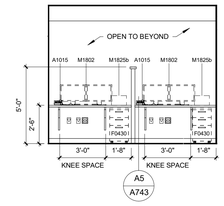
B6 SPECIALTY CHECK OUT - WEST
1/4" = 1'-0"

3E-203	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	PLAM-2
SINKS	-



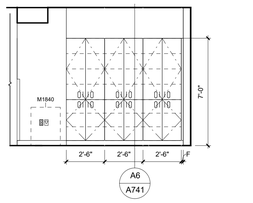
B5 SPECIALTY CHECK-OUT HALF HT. WALL - SOUTH
1/4" = 1'-0"

3E-203	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	PLAM-2
SINKS	-



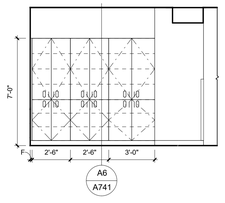
B4 SPECIALTY CHECK OUT - EAST
1/4" = 1'-0"

3E-203	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	PLAM-2
SINKS	-



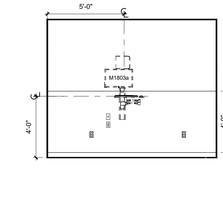
B3 SPECIALTY SHARED TEAM CENTER - EAST
1/4" = 1'-0"

3E-233	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



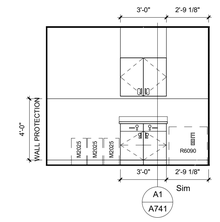
B2 SPECIALTY SHARED TEAM CENTER - WEST
1/4" = 1'-0"

3E-231	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



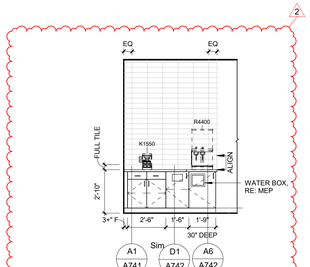
B1 SPECIALTY TYP GEN/PLASTICS EXAM 2 - WEST
1/4" = 1'-0"

3E-218	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



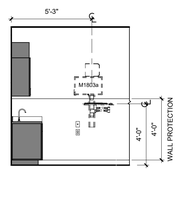
A6 SPECIALTY ENT STORAGE - EAST
1/4" = 1'-0"

3E-212	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	PLAM-2
SINKS	-



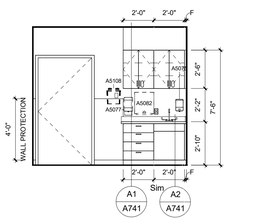
A5 THIRD FLOOR NOURISH - WEST
1/4" = 1'-0"

3E-101	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	QTZ-1
SINKS	-



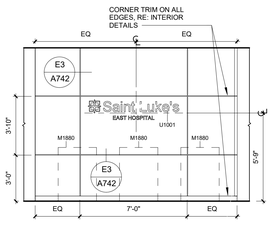
A4 SPECIALTY TYP GEN/PLASTICS EXAM 1 - NORTH
1/4" = 1'-0"

3E-203	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



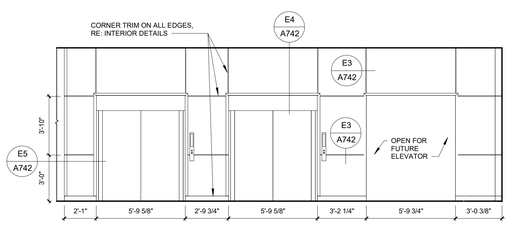
A3 SPECIALTY TYP EXAM - SOUTH
1/4" = 1'-0"

3E-251	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



A2 THIRD FLOOR WAITING - NORTH
1/4" = 1'-0"

3E-101	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	QTZ-1
SINKS	-



A1 THIRD FLOOR VESTIBULE - WEST
1/4" = 1'-0"

3E-100	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021\3-21037_ASC Expansion & Renovation.rvt

RELEASED FOR CONSTRUCTION
As noted on this sheet
Kansas City Services Department
Kansas City, Missouri
01/16/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number:
#001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:
#00127265

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	KDS
Checked By	KGF

Revision

Number	Date	Description
2	2-10-23	ADDENDUM #2

CONSTRUCTION DOCUMENTS
2
A737

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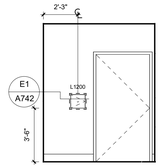
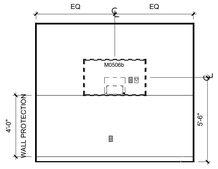
INTERIOR ELEVATIONS



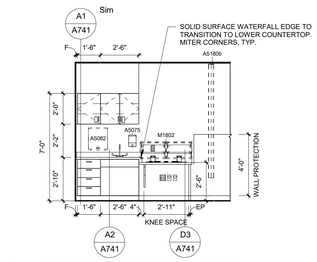
C6 WOMEN'S TYP PATIENT TLT - WEST
1/4" = 1'-0"

3E-335	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



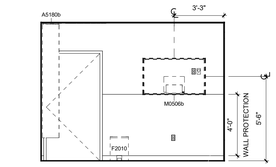
C5 WOMEN'S ULTRASOUND 1/2 - EAST
1/4" = 1'-0"

3E-324	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



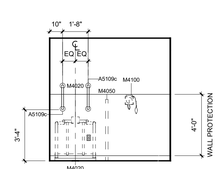
C4 WOMEN'S ULTRASOUND 3 - WEST
1/4" = 1'-0"

3E-323	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



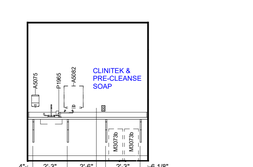
C3 WOMEN'S ULTRASOUND 3 - NORTH
1/4" = 1'-0"

3E-323	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



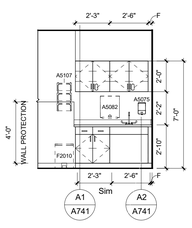
C2 WOMEN'S TYP VITALS - NORTH
1/4" = 1'-0"

3E-355	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



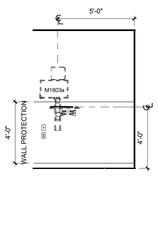
C1 WOMEN'S SOILED - SOUTH
1/4" = 1'-0"

3E-353	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



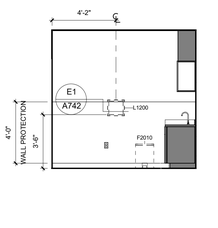
B6 WOMEN'S TYP PROCEDURE - EAST
1/4" = 1'-0"

3E-320	
BASE CABINETS	PLAM -1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



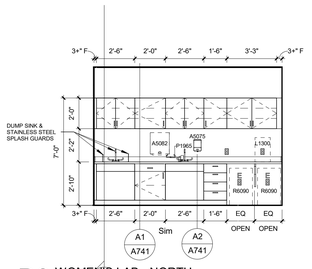
B5 WOMEN'S TYP. EXAM 2 - SOUTH
1/4" = 1'-0"

3E-314	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



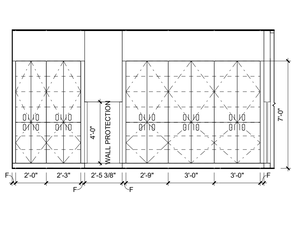
B4 WOMEN'S LAB - WEST
1/4" = 1'-0"

3E-302	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



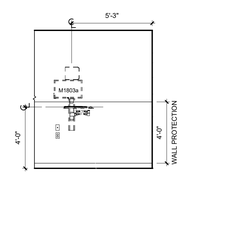
B3 WOMEN'S LAB - NORTH
1/4" = 1'-0"

3E-302	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



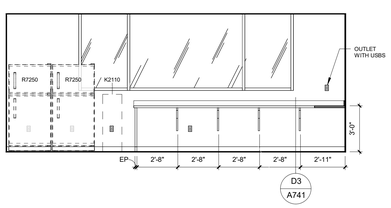
B2 SPECIALTY STORAGE ALCOVE 3 - WEST
1/4" = 1'-0"

3E-200F	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



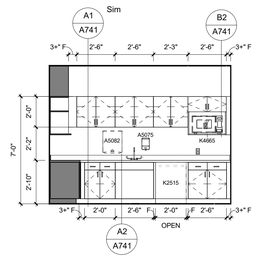
B1 SPECIALTY TYP PULM EXAM 1 - EAST
1/4" = 1'-0"

3E-242	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



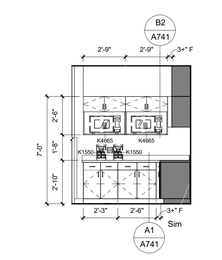
A6 THIRD FLOOR STAFF LOUNGE - WEST
1/4" = 1'-0"

3E-256	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



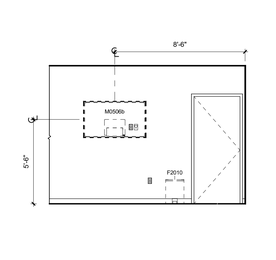
A5 THIRD FLOOR STAFF LOUNGE - SOUTH
1/4" = 1'-0"

3E-256	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



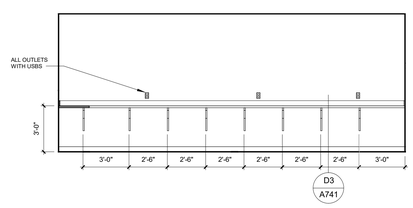
A4 THIRD FLOOR STAFF LOUNGE - EAST B
1/4" = 1'-0"

3E-256	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



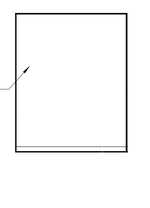
A3 THIRD FLOOR STAFF LOUNGE - EAST A
1/4" = 1'-0"

3E-256	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



A2 THIRD FLOOR STAFF LOUNGE - NORTH
1/4" = 1'-0"

3E-256	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-1



A1 SPECIALTY TYP. PFT/SPIRO - WEST
1/4" = 1'-0"

3E-266	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-

RELEASED FOR CONSTRUCTION
As noted on drawings
Building Services Department
Jefferson City, Missouri
01/16/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
NUMBER A-2011012130
ARCHITECT

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number: #001355

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Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
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IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
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CONSTRUCTION DOCUMENTS

Saint Luke's.
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	KDS
Checked By	KGF

Revision

Number	Date	Description
2	2-10-23	ADDENDUM #2

CONSTRUCTION DOCUMENTS
2 A738

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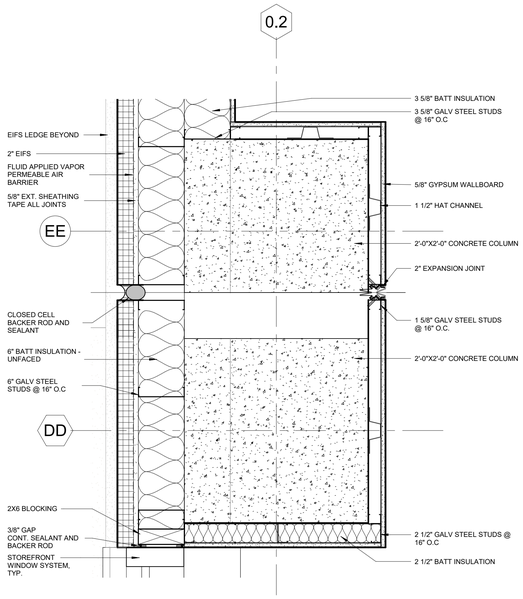
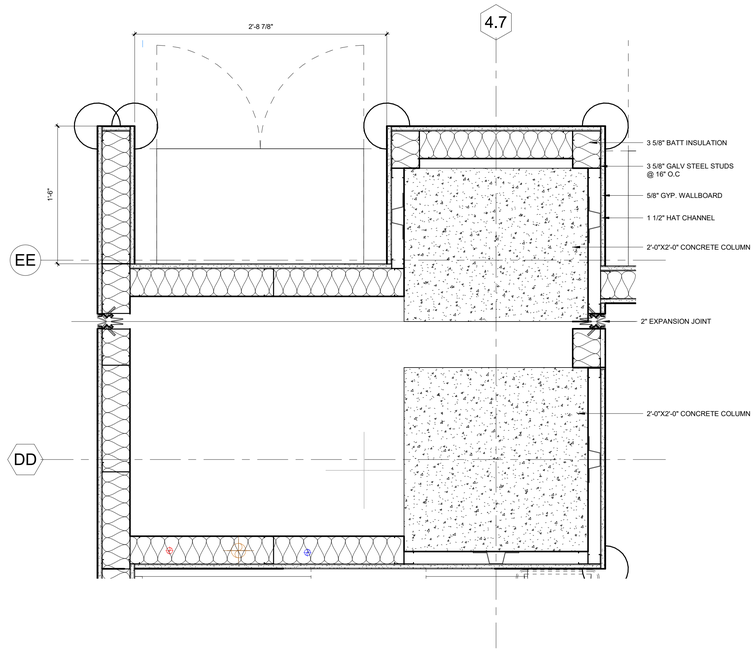
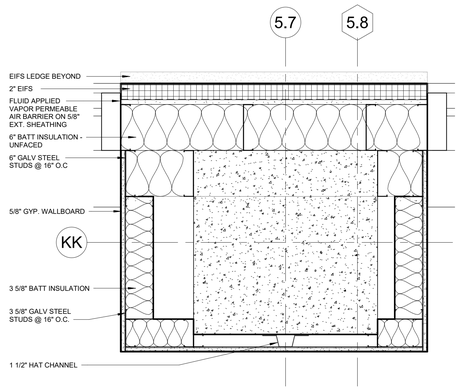
INTERIOR ELEVATIONS



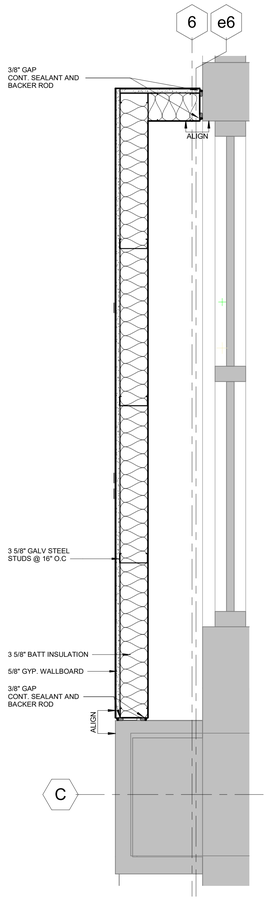
D5 PLAN DETAIL 03 - COLUMN DD & EE .2
1 1/2" = 1'-0"



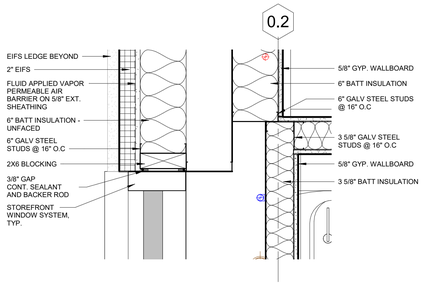
D3 PLAN DETAIL 03 - COLUMN DD & EE 4.7
1 1/2" = 1'-0"



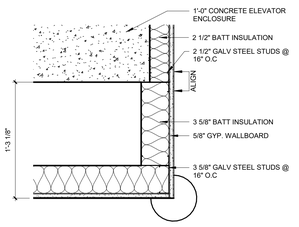
D1 PLAN DETAIL 03 - COLUMN 5.7 KK
1 1/2" = 1'-0"



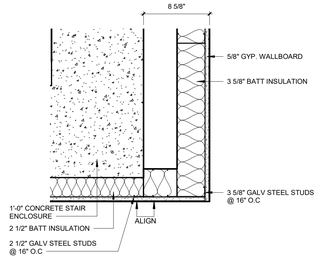
A6 PLAN DETAIL 02 - PHONE ROOM FURRING
1 1/2" = 1'-0"



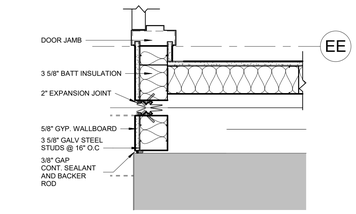
C4 PLAN DETAIL 03 - LAB WALL CONNECTION
1 1/2" = 1'-0"



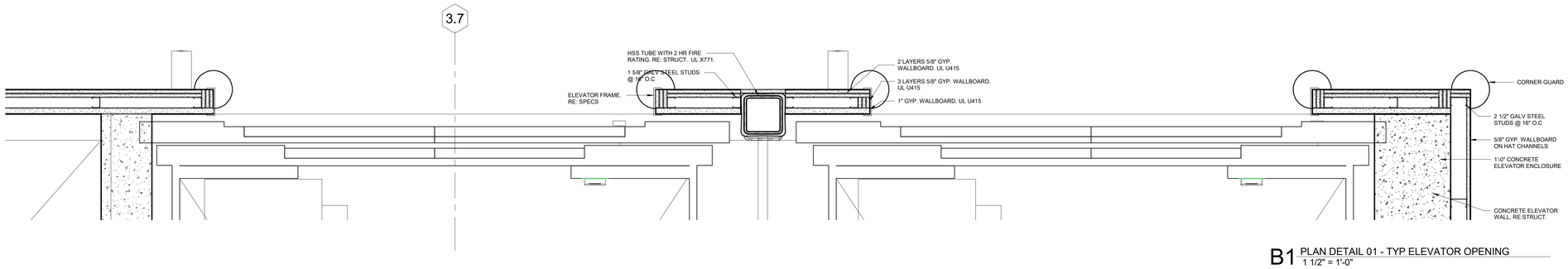
C3 PLAN DETAIL 03 - ELEVATOR CHASE
1 1/2" = 1'-0"



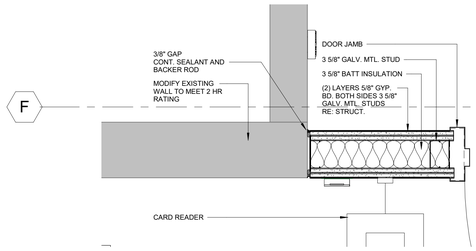
C2 PLAN DETAIL 02 - STAIR E-S02 WALL
1 1/2" = 1'-0"

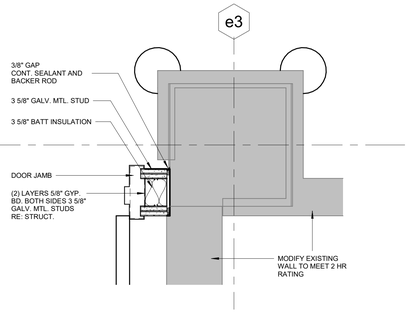


C1 PLAN DETAIL 02 - EXPANSION JOINT BETWEEN EXISTING WALL AND NEW WALL
1 1/2" = 1'-0"

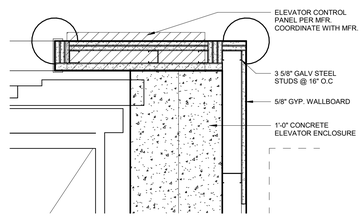


B1 PLAN DETAIL 01 - TYP ELEVATOR OPENING
1 1/2" = 1'-0"





A3 PLAN DETAIL 01 - DOORWAY INTO STAIR E-S03
1 1/2" = 1'-0"



A1 PLAN DETAIL 03 - ELEVATOR CONTROL PANEL
1 1/2" = 1'-0"

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As noted on Permit Set
Kansas City Services Department
Kansas City, Missouri
01/16/2024

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
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Kansas City | St. Louis
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CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS

A740

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INTERIOR PLAN DETAILS

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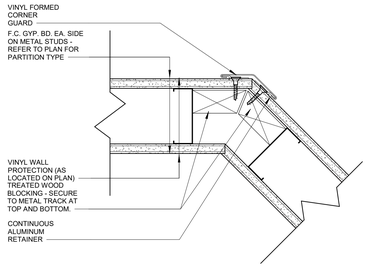
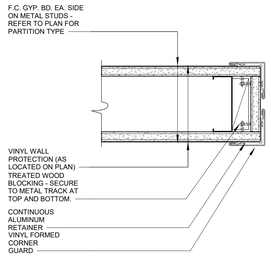
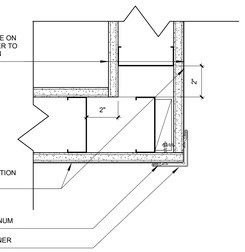
Building Services Department
Clayton, Missouri
01/16/2024



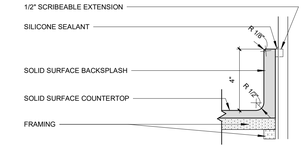
E6 TYPICAL ANGLED VINYL CORNER GUARD
3" = 1'-0"



E5 TYPICAL DOUBLE VINYL CORNER GUARD
3" = 1'-0"



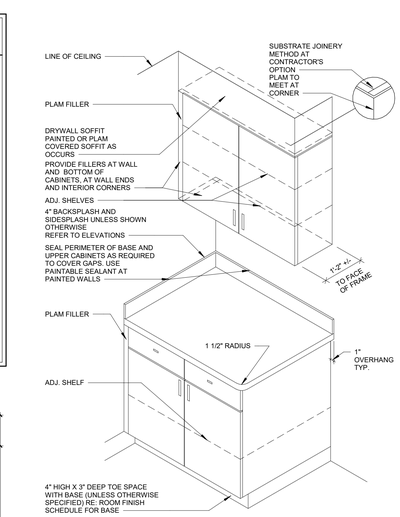
E4 TYPICAL SINGLE VINYL CORNER GUARD
3" = 1'-0"



E3 SECTION DETAIL AT SOLID SURFACE BACKSPLASH
3" = 1'-0"

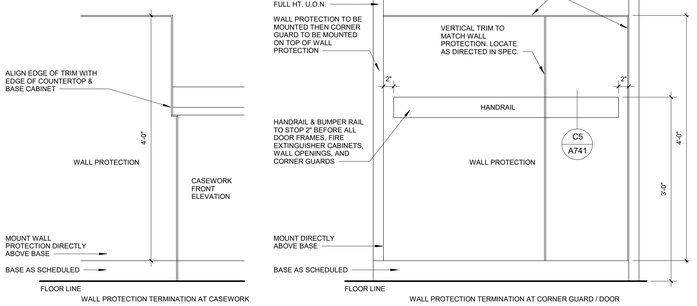
GENERAL CASEWORK NOTES

1. GENERAL CASEWORK NOTES APPLY TO ALL INTERIOR ELEVATIONS.
2. PROVIDE 3 MM PVC EDGE BANDING ON COUNTERTOP EDGE AND (.018 MIN.) VINYL EDGING ON DRAWER, AND DOOR EDGES UNLESS NOTED OTHERWISE. EDGE BANDING TO MATCH ADJACENT P. LAM. SURFACE.
3. ALL EXPOSED FACES AND SHELVES TO BE WRAPPED WITH P. LAM. UNLESS NOTED OTHERWISE.
4. ALL INTERIOR SURFACES TO BE WHITE MELAMINE U.N.O.
5. PROVIDE WOOD BLOCKING OR 12" HIGH X 16 GA. CONTINUOUS SHEET METAL BRIDGING IN WALL AS REQUIRED FOR ADEQUATE SUPPORT OF ALL CASEWORK..
6. WALL BASE TO BE INSTALLED ON ALL CASEWORK UNLESS NOTED OTHERWISE. REFER TO FINISH SCHEDULE FOR TYPE.
7. ALL CASEWORK PULL HANDLES TO BE HAFELE 103.84.004 BRUSHED NICKEL (5") UNLESS NOTED OTHERWISE.
8. ALL CASEWORK HINGES TO BE BLUM #373558 CONCEALED 125 DEGREE OPEN UNLESS NOTED OTHERWISE.
9. "F" INDICATES FILLER PANEL, 1-1/2" MIN.
10. "EP" INDICATES END PANEL, 1-1/2" MIN.
11. PROVIDE FINISHED ENDS AT ALL EXPOSED ENDS OF CASEWORK.
12. ALL ELECTRICAL, MECHANICAL, AND PLUMBING ITEMS SHOWN IN ELEVATION ARE FOR REFERENCE AND LOCATION ONLY. REFER TO MEP DRAWINGS FOR SIZES, TYPES AND QUANTITIES.
13. ALL SOFFITS ABOVE CASEWORK TO BE P. LAM. UNLESS NOTES OTHERWISE.
14. PROVIDE CASEWORK PUNCH LOCK BASED ON KL1000 G3 KITLOCK WHEN SHOWN IN ELEVATION



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)

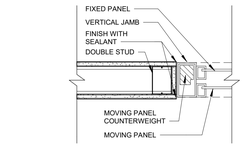


WALL PROTECTION TERMINATION AT CASEWORK

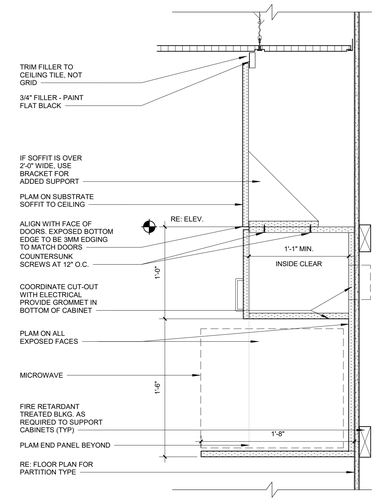
WALL PROTECTION TERMINATION AT CORNER GUARD / DOOR

D6 TYP- ELEV- OF WALL PROTECTION-CORNER GUARD
1" = 1'-0"

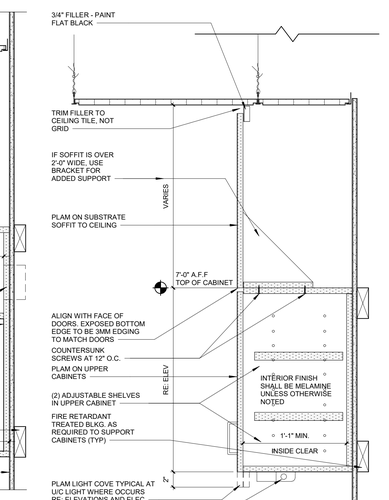
C5 DETAIL AT HANDRAIL
3" = 1'-0"



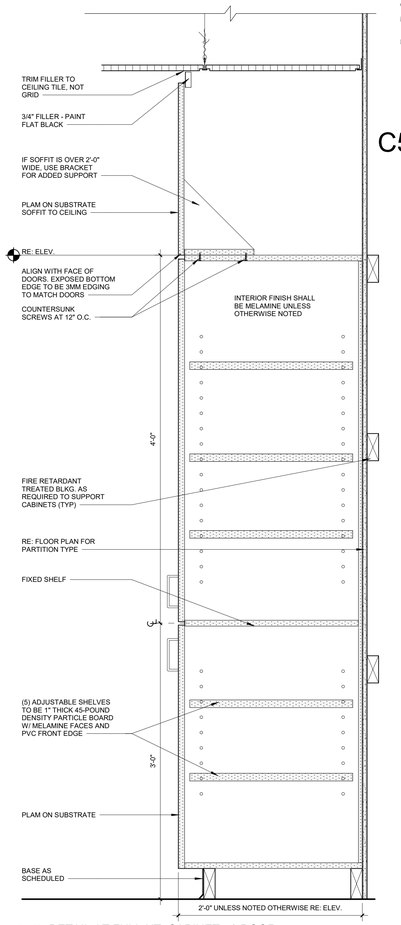
C3 DETAIL AT STUD WALL ATTACHMENT @ PASS-THROUGH WINDOW
1 1/2" = 1'-0"



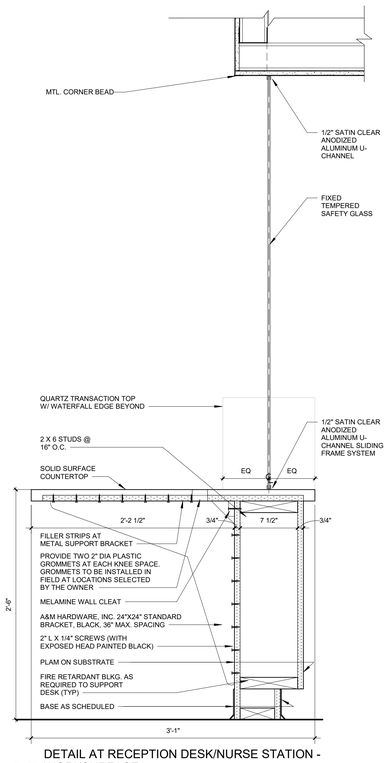
B2 DETAIL AT WALL-MOUNTED MICROWAVE SHELF
1 1/2" = 1'-0"



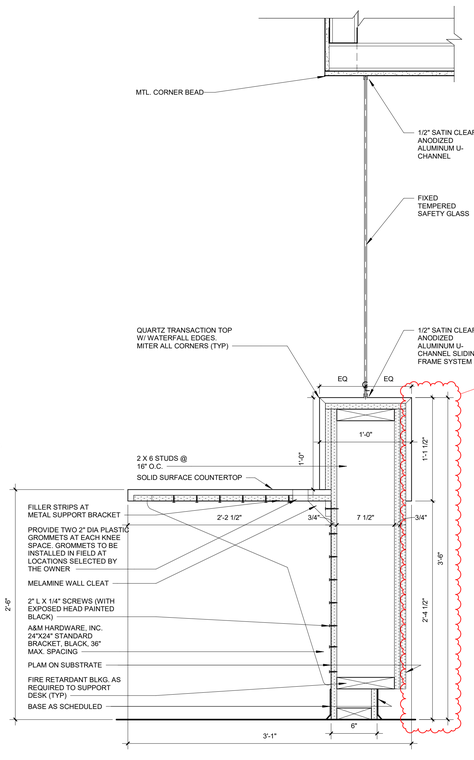
D1 CASEWORK ISOMETRIC
1 1/2" = 1'-0"



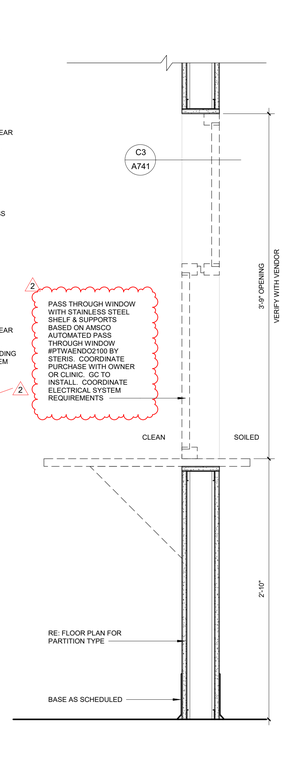
A6 DETAIL AT FULL HT. CABINET - 2 DOOR
1 1/2" = 1'-0"



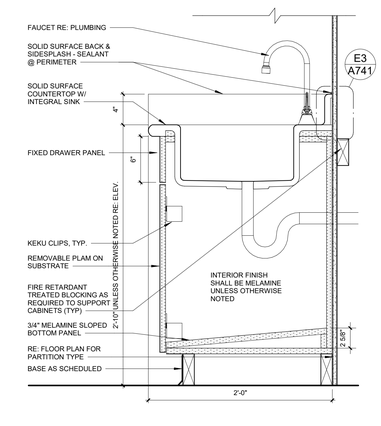
A5 DETAIL AT RECEPTION DESK/NURSE STATION - WORKSURFACE
1 1/2" = 1'-0"



A4 DETAIL AT RECEPTION DESK/NURSE STATION
1 1/2" = 1'-0"



A3 DETAIL AT PASS-THRU WINDOW
1 1/2" = 1'-0"



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

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number: #001355

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Structural Engineering Associates, Inc.
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Kansas City, MO 64108
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IMEG
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Kansas City, MO 64108
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Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	KDS
Checked By	KGF

Revision

Number	Date	Description
2	2-10-23	ADDENDUM #2

CONSTRUCTION DOCUMENTS

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INTERIOR DETAILS

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As noted on these documents
Building Services Department
Lee's Summit, Missouri
01/16/2024

1/16/2023

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Kansas City, MO 64108
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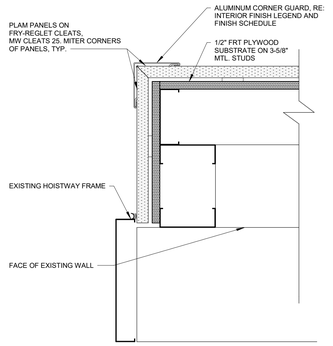
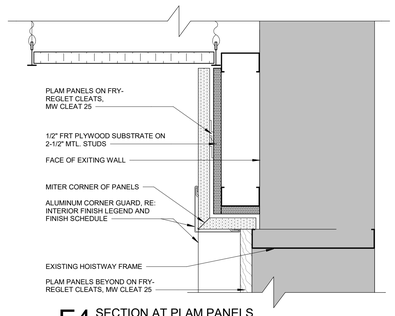
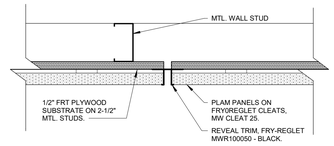


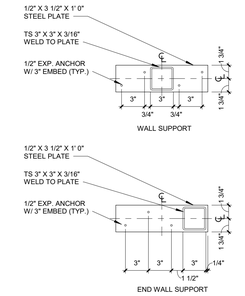
E5 PLAN DETAIL AT ELEVATOR RETURN
3" = 1'-0"



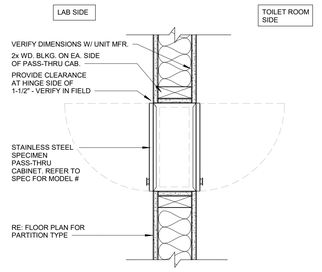
E4 SECTION AT PLAM PANELS
3" = 1'-0"



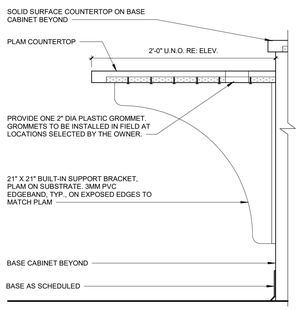
E3 SECTION AT PLASTIC LAMINATE PANEL
3" = 1'-0"



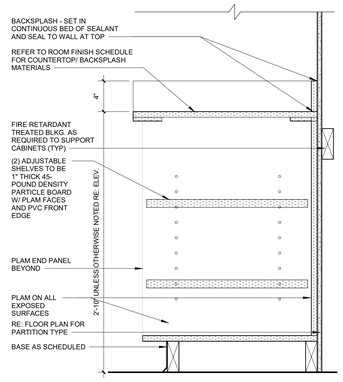
E2 DETAIL AT HAL HT. WALL - BASE PLATE
1 1/2" = 1'-0"



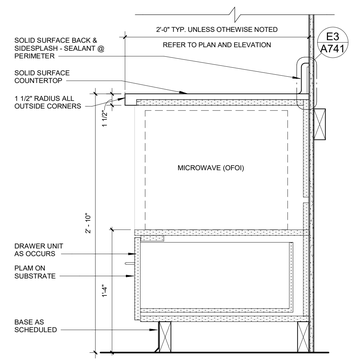
E1 DETAIL AT SPECIMEN PASS THROUGH
1 1/2" = 1'-0"



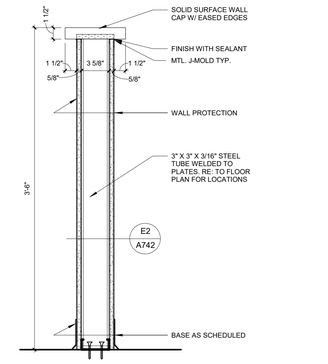
D5 DETAIL AT ROCKHILL EXAM LAPTOP STATION
1 1/2" = 1'-0"



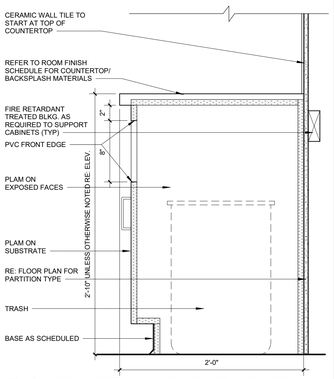
D4 DETAIL AT OPEN BASE CABINET
1 1/2" = 1'-0"



D3 DETAIL AT MICROWAVE BASE CABINET
1 1/2" = 1'-0"



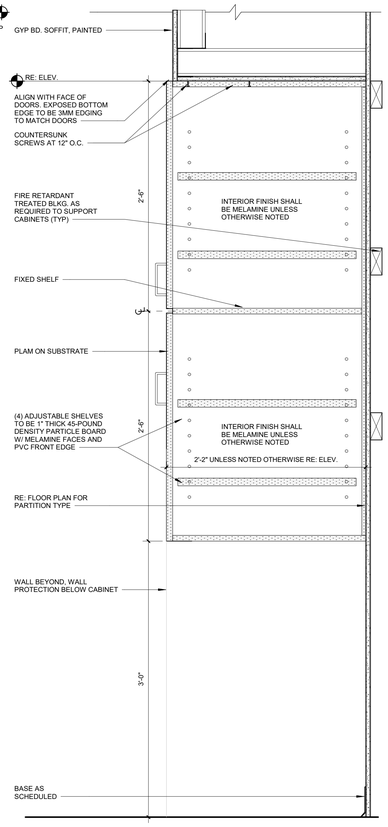
D2 DETAIL AT HALF HT. WALL
1 1/2" = 1'-0"



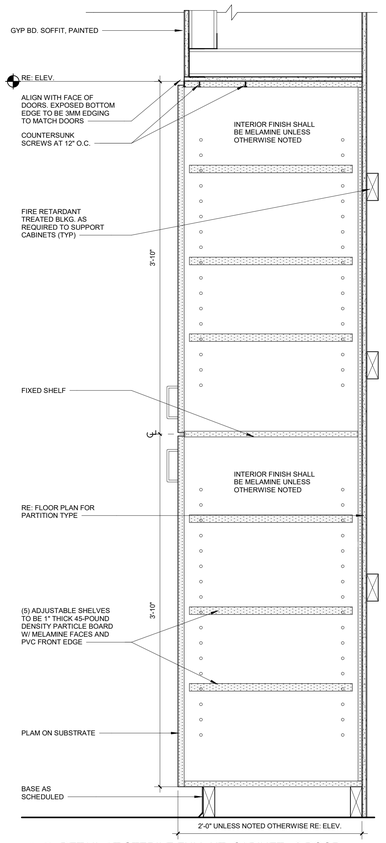
D1 DETAIL AT TRASH CABINET - FRONT OPENING
1 1/2" = 1'-0"

B6 DETAIL AT APRON SINK BASE CABINET - SOLID SURFACE
1 1/2" = 1'-0"

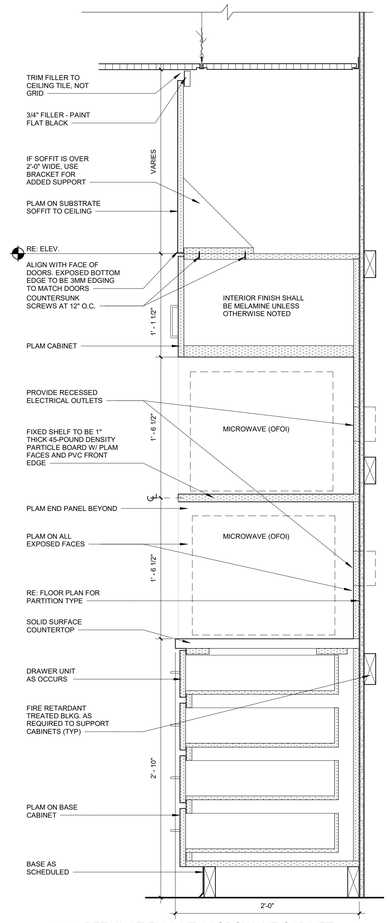
A5 DETAIL AT TYP. CLINIC NURSE STATION B
1 1/2" = 1'-0"



A4 DETAIL AT STERILE CORRIDOR CASEWORK
1 1/2" = 1'-0"

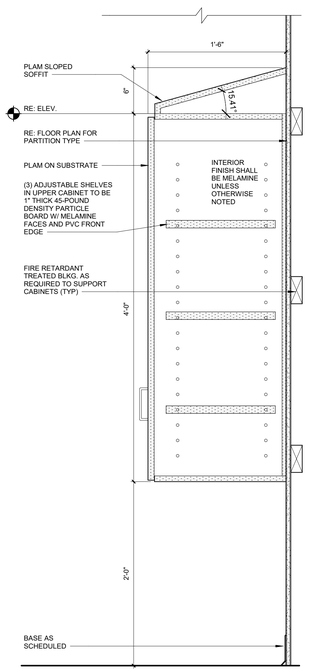


A3 DETAIL AT STERILE FULL HT. CABINET - 2 DOOR
1 1/2" = 1'-0"



A2 DETAIL AT FULL HT. MICROWAVE CABINET
1 1/2" = 1'-0"

B1 DETAIL AT LOCKER BASE
1 1/2" = 1'-0"



A1 DETAIL AT PRE/POST GI CABINET
1 1/2" = 1'-0"

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	KDS
Checked By	KGF

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS

A742

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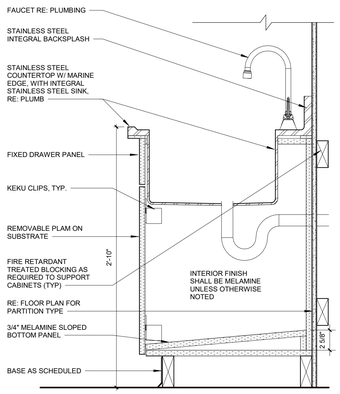
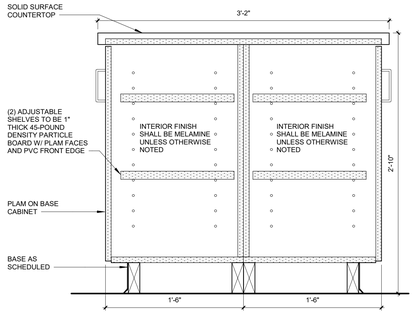
INTERIOR DETAILS

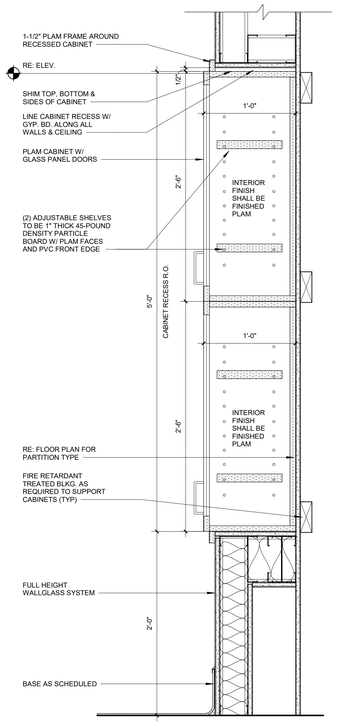
1/17/2023 9:53:29 AM



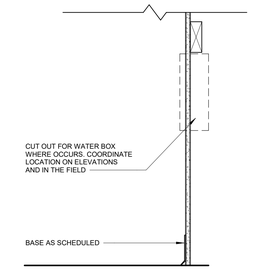
C6 DETAIL AT SINK BASE CABINET - SST
1 1/2" = 1'-0"



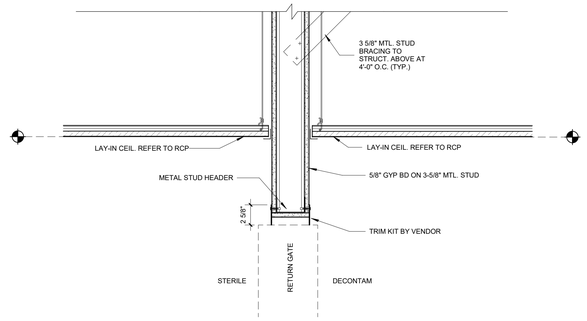
C5 DETAIL AT ISLAND
1 1/2" = 1'-0"



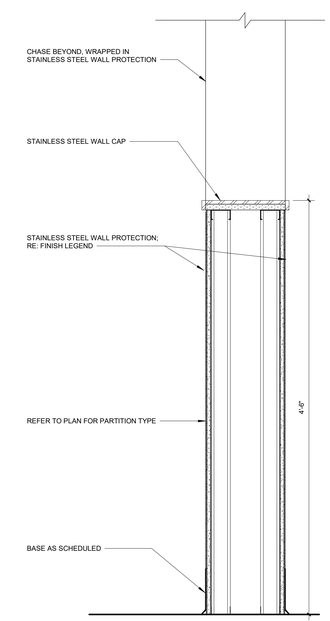
C4 DETAIL AT OR RECESSED UPPER CABINETS
1 1/2" = 1'-0"



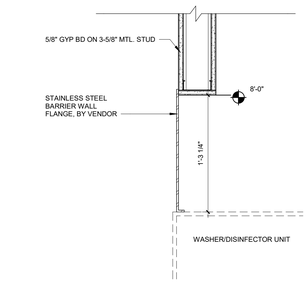
C3 DETAIL AT NEPTUNE DOCK WATER BOX
1 1/2" = 1'-0"



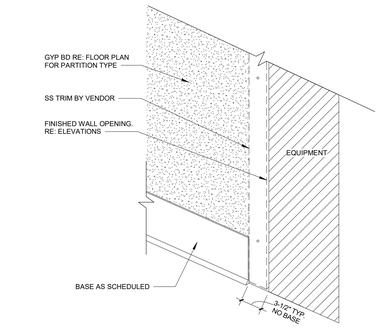
C2 DETAIL AT RETURN GATE
1 1/2" = 1'-0"



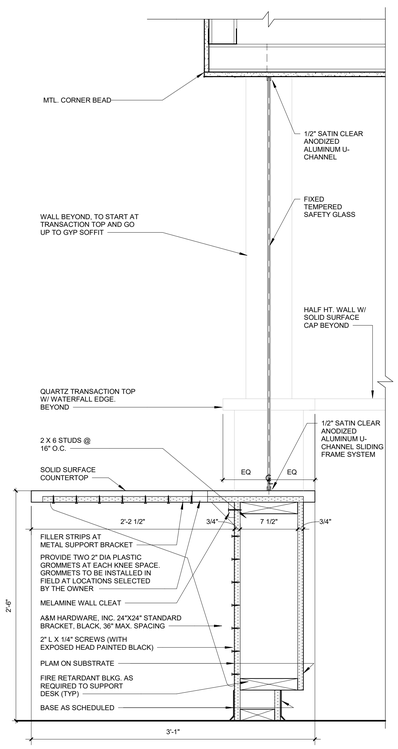
A6 DETAIL AT STAINLESS STEEL CAP
1 1/2" = 1'-0"



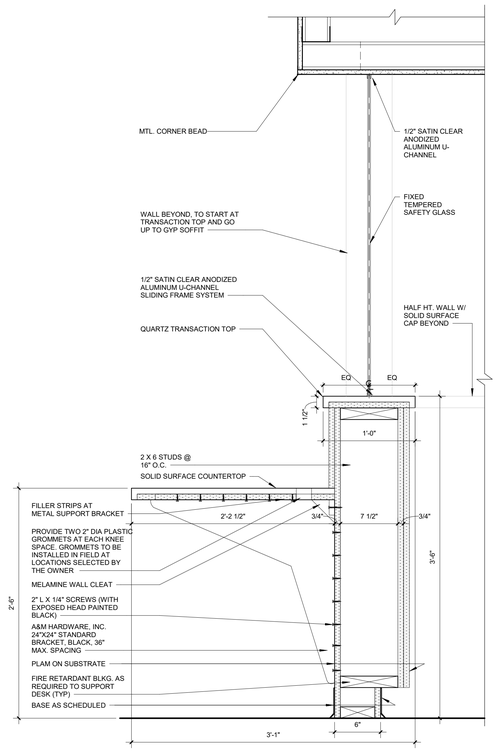
B5 DETAIL AT WASHER-DISINFECTOR
1 1/2" = 1'-0"



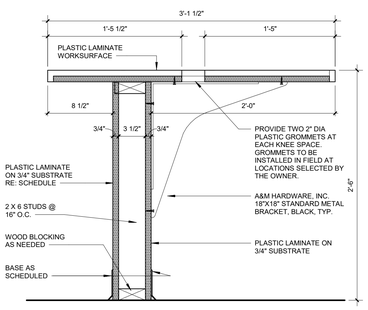
B4 DETAIL AT BASE COPING AT WALL OPENING
1 1/2" = 1'-0"



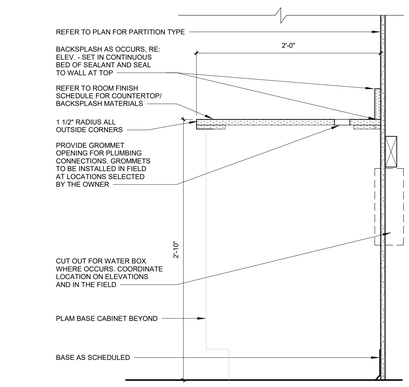
A3 DETAIL AT CHECK IN/OUT DESK WORKSURFACE
1 1/2" = 1'-0"



A2 DETAIL AT CHECK-IN/OUT DESK
1 1/2" = 1'-0"



A5 SECTION AT ADMITTING DESK
1 1/2" = 1'-0"



A4 DETAIL AT ICE MACHINE COUNTERTOP
1 1/2" = 1'-0"

RELEASED FOR CONSTRUCTION
As noted on these documents
City of Lee's Summit Development Services Department
Lee's Summit, Missouri
10/18/2024

1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number: #001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #00127265

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	KDS
Checked By	KGF

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS

A743

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INTERIOR DETAILS

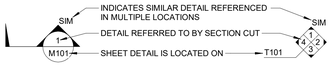
BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/3-21037_ASC Expansion & Renovation.rvt

1/16/2023 5:48:36 PM

VIEW KEY

NAME — LEVEL NAME
10'-0" — HEIGHT ABOVE PROJECT 0'-0"

1 — INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL



LINE TYPE AND TAG KEY:

NEW WORK BY THIS CONTRACTOR (WIDE LINE)
NEW
EXISTING TO BE REMOVED (SHORT DASHED PATTERN)
NEW UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

EXISTING TO REMAIN OR WORK BY OTHERS (NARROW LINE)
EXISTING
EXISTING TO BE REMOVED BY OTHERS (SHORT DASHED PATTERN)
EXISTING UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

HALFTONING DOES NOT MODIFY SCOPE.

'TAG'-E — TAGS WITH DASH 'E' INDICATES THE REFERENCED OBJECT IS EXISTING

TAG — UNDERLINED TAG INDICATES OBJECT IS IN-SCOPE. IF NEW, ADDITIONAL INFORMATION IS AVAILABLE IN A SCHEDULE, MATERIAL LIST, OR SYMBOL LIST

INDICATES AN EXISTING SYSTEM'S POINT OF CONNECTION/REMOVAL

CONTRACTOR ABBREVIATION KEY

ABBR:	DESCRIPTION:
A.C.	ASBESTOS ABATEMENT CONTRACTOR
A.V.C.	AUDIO/VISUAL CONTRACTOR
C.C.	CIVIL CONTRACTOR
C.M.	CONSTRUCTION MANAGER
E.C.	ELECTRICAL CONTRACTOR
F.P.C.	FIRE PROTECTION CONTRACTOR
F.S.C.	FOOD SERVICE CONTRACTOR
G.C.	GENERAL CONTRACTOR
H.C.	HEATING CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
N.C.C.	NURSE CALL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
S.C.	SECURITY CONTRACTOR
T.C.	TECHNOLOGY CONTRACTOR
T.C.C.	TEMPERATURE CONTROLS CONTRACTOR
V.C.	VENTILATION CONTRACTOR

MECHANICAL SYMBOL LIST

NOT ALL SYMBOLS MAY APPLY.

SYMBOL:	DESCRIPTION:
BD	BOILER BLOW DOWN
BF	BOILER FEED WATER
CA	COMPRESSED AIR
CBR	CHILLED BEAM RETURN
CBS	CHILLED BEAM SUPPLY
CR	CONDENSER WATER RETURN
CS	CONDENSER WATER SUPPLY
CS15	CLEAN STEAM - NUMBER INDICATES PRESSURE IN PSIG.
CWR	CHILLED WATER RETURN
CWS	CHILLED WATER SUPPLY
DPP	DRAIN
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
G	NATURAL GAS
GV	GAS REGULATOR VENT
GWR	GLYCOL WATER RETURN
GWS	GLYCOL WATER SUPPLY
HCR	HEATING/CHILLED WATER RETURN
HCS	HEATING/CHILLED WATER SUPPLY
HG	REFRIGERANT HOT GAS
MPC	MEDIUM PRESSURE CONDENSATE
MPS	MEDIUM PRESSURE STEAM
HWR	HEATING WATER RETURN
HWS	HEATING WATER SUPPLY
LCS	LOW PRESSURE CLEAN STEAM
LIQ	REFRIGERANT LIQUID
LPC	LOW PRESSURE CONDENSATE
LPS	LOW PRESSURE STEAM
LWR	LOOP WATER RETURN
LWS	LOOP WATER SUPPLY
MV	MEDICAL VACUUM
PC	PUMPED CONDENSATE
PD	PUMPED DISCHARGE
RCR	RADIANT COOLING RETURN
RCS	RADIANT COOLING SUPPLY
RWR	REHEAT WATER RETURN
RWS	REHEAT WATER SUPPLY
SUC	REFRIGERANT SUCTION
SV	SAFETY RELIEF VENT
VAC	LAB VACUUM
	PIPE CAP
	PIPE DOWN
	PIPE UP OR UP/DOWN
	PITCH PIPE IN DIRECTION
	DIRECTION OF FLOW IN PIPE
	DIELECTRIC CONNECTION
	UNION/FLANGE
	SHUTOFF VALVE NORMALLY OPEN
	SHUTOFF VALVE NORMALLY CLOSED
	THROTTLING VALVE
	BALANCING VALVE (NUMBER INDICATES GPM)
	AUTOMATIC BALANCING VALVE
	MIXING VALVE
	CONTROL VALVE (THREE-WAY)
	CONTROL VALVE (TWO-WAY)
	SOLENOID VALVE
	CHECK VALVE
	BACKFLOW PREVENTER
	SAFETY/RELIEF VALVE
	PRESSURE REDUCING VALVE (LIQUID/GAS)
	PRESSURE REDUCING VALVE (STEAM)
	TRIPLE DUTY VALVE (ANGLE TYPE)
	TRIPLE DUTY VALVE (IN-LINE TYPE)
	PUMP
	VACUUM BREAKER
	"WYE" - STRAINER
	"WYE" - STRAINER W/SHUTOFF VALVE AND HOSE CONNECTION WITH CAP
	BASKET STRAINER
	FLEXIBLE CONNECTION
	PRESSURE/TEMPERATURE TEST PLUG
	REDUCER - REFERENCE SPECIFICATION FOR CONCENTRIC/ECCENTRIC AND FOT/FOB
	SUCTION DIFFUSER WITH SUPPORT FOOT
	AUTOMATIC AIR VENT
	MANUAL AIR VENT
	DRAIN VALVE WITH HOSE CONNECTION AND CAP
P	PRESSURE SENSOR (FURNISHED WITH BALL VALVE)
P	PRESSURE GAUGE (FURNISHED WITH BALL VALVE)
	DIFFERENTIAL PRESSURE SENSOR
SP	STATIC SWITCH
FM	FLOW METER
F	FLOW SWITCH
FS	FLOW SENSOR
T T.*	STEAM TRAP (REFER TO SCHEDULE)
T.*	F&T STEAM TRAP (REFER TO SCHEDULE)
T.*	INVERTED BUCKET STEAM TRAP (REFER TO SCHEDULE)
	ALIGNMENT GUIDE
	PIPE ANCHOR
E-J-# (#.#")	EXPANSION JOINT #.#" IS THE EXPANSION TRAVEL INCHES
M	METER

MECHANICAL SYMBOL LIST

NOT ALL SYMBOLS MAY APPLY.

SYMBOL:	DESCRIPTION:
	DIRECTION OF AIR FLOW
	FLEXIBLE DUCT
	MANUAL VOLUME DAMPER
R	RISE IN DIRECTION OF AIR FLOW
D	DROP IN DIRECTION OF AIR FLOW
	DUCT CAP
	DUCT DOWN
	DUCT UP
	SUPPLY/OUTSIDE AIR DUCT SECTION
	RETURN AIR DUCT SECTION
	EXHAUST/RELIEF AIR DUCT SECTION
	4-WAY DIFFUSER WITH BLANKOFF IN ONE DIRECTION
SD-1 6/115	AIR TERMINAL PROPERTIES SYMBOL NECK SIZE/CFM
###	TERMINAL AIR BOX (REFER TO SCHEDULE)
###	TERMINAL AIR BOX w/REHEAT COIL (REFER TO SCHEDULE)
	FAN POWERED TERMINAL AIR BOX w/REHEAT COIL (REFER TO SCHEDULE)
H	HUMIDIFIER
	OPPOSED BLADE DAMPER (REFER TO SCHEDULE)
	PARALLEL BLADE DAMPER (REFER TO SCHEDULE)
	DIFFERENTIAL PRESSURE SENSOR
H	HUMIDISTAT SENSOR
	HUMIDISTAT / SENSOR
C	CARBON MONOXIDE SENSOR
C_2	CARBON DIOXIDE SENSOR
O	OCCUPANCY SENSOR
P	PRESSURE SENSOR/MONITOR
P	PRESSURE SENSOR (DUCT MOUNTED)
T	THERMOSTAT/SENSOR
T	TEMPERATURE SENSOR
T	THERMOSTAT/SENSOR WITH HEAVY DUTY ENCLOSURE
T	TEMPERATURE SENSOR WITH WELL
T	THERMOMETER WITH WELL (DIAL TYPE)
	THERMOMETER WITH WELL (FILLED TYPE)
XX-Y	AIRFLOW MEASUREMENT SYMBOL XX - AHU SYMBOL Y - SEQUENTIAL NUMBER

MECHANICAL ABBREVIATION KEY

ABBR:	DESCRIPTION:
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
C	COMMON
CO	CLEANOUT
CFSD	CONTROL/FIRE/SMOKE DAMPER
DPG (0-2")	DIFFERENTIAL PRESSURE GAUGE (RANGE)
DPS	DIFFERENTIAL PRESSURE SWITCH
EA	EXHAUST/RELIEF AIR
ECFSD	EXISTING CONTROL FIRE SMOKE DAMPER
EFD	EXISTING FIRE DAMPER
EFSD	EXISTING FIRE SMOKE DAMPER
EP	ELECTRICAL TO PNEUMATIC VALVE
ESD	EXISTING SMOKE DAMPER
FD	FIRE DAMPER
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FSD	FIRE/SMOKE DAMPER
MA	MIXED AIR
MV	MIXING VALVE
N.C.	NORMALLY CLOSED
NIC	NOT IN CONTRACT
N.O.	NORMALLY OPEN
OA	OUTSIDE AIR
PS	PRESSURE SWITCH
RA	RETURN AIR
SA	SUPPLY AIR
SCCR	SHORT CIRCUIT CURRENT RATING
SD	SMOKE DAMPER
TAB	TERMINAL AIR BOX
TD	TRANSFER DUCT
TYP	TYPICAL
UC-1	DOOR UNDERCUT BY OTHERS (1" TYPICAL)
UON	UNLESS OTHERWISE NOTES

MECHANICAL RENOVATION NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, FIRE PROTECTION, PLUMBING, MEDICAL GAS, VENTILATION, PIPING AND TEMPERATURE CONTROL.

1. EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING.
2. NOT ALL EXISTING DUCTWORK AND PIPING IS SHOWN. VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLICTS WITH NEW WORK.
3. FIELD VERIFY THE AVAILABLE CLEARANCES FOR DUCTWORK AND PIPING BEFORE FABRICATION. RISES AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS.
4. EACH CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO THE AREA OF THEIR WORK AND SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO BIDDING IF OTHER UTILITIES ARE REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCESS TO THEIR AREA OF WORK.
5. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING, REMOVAL AND PATCHING OF ROOFS, WALLS, AND FLOORS ASSOCIATED WITH WORK BY ALL CONTRACTORS. CONTRACTORS SHALL NOTIFY THE GC OF AFFECTED AREAS PRIOR TO BIDDING
6. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILINGS, CEILING TILES, AND CEILING GRIDS ASSOCIATED WITH AREAS OF WORK BY ALL CONTRACTORS. NOTIFY THE GENERAL CONTRACTOR OF AFFECTED AREAS PRIOR TO BIDDING.
7. WHERE EXISTING MECHANICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH NEW EQUIPMENT, PIPING, OR DUCTWORK TO BE INSTALLED, EACH CONTRACTOR SHALL EITHER ARRANGE NEW EQUIPMENT, PIPING, OR DUCTWORK IN SUCH A FASHION THAT IT DOES NOT CONFLICT WITH EXISTING SYSTEMS, OR REWORK EXISTING MECHANICAL SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT, PIPING, OR DUCTWORK.
8. PROVIDE TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. MAINTAIN ACCESS TO EXISTING MECHANICAL INSTALLATIONS THAT REMAIN ACTIVE.
9. OBTAIN PERMISSION FROM OWNER BEFORE SHUTTING DOWN ANY SYSTEM FOR ANY REASON. MAINTAIN SERVICE TO ALL COMPONENTS THAT ARE TO REMAIN UNTIL NEW SYSTEMS ARE INSTALLED.
10. MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR TIE IN AND SWITCHOVER. DRAIN SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER BEFORE PARTIALLY OR COMPLETELY DRAINING SYSTEM. MAKE CHANGEOVER TO NEW SYSTEMS WITH MINIMUM OUTAGE.
11. DISCONNECT AND REMOVE MECHANICAL DEVICES AND EQUIPMENT SERVING EQUIPMENT THAT HAS BEEN REMOVED.

MECHANICAL PHASING NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, FIRE PROTECTION, PLUMBING, MEDICAL GAS, VENTILATION, PIPING AND TEMPERATURE CONTROL.

1. REFER TO **ARCHITECTURAL** DRAWINGS FOR GENERAL DESCRIPTION OF PHASES. REFER TO **GENERAL CONTRACTOR'S/ARCHITECT'S** INSTRUCTIONS FOR MORE DETAILS AND PHASING SCHEDULES AND FOR CONCURRENT WORK. MECHANICAL, ELECTRICAL AND TECHNOLOGY DRAWINGS DEPICT THE INTENT OF THE FINAL DESIGN. THE MECHANICAL, ELECTRICAL, AND TECHNOLOGY DRAWINGS DO NOT DEPICT THE MEANS AND METHODS TO MEET THE REQUIREMENTS OF THE PHASING CRITERIA.
2. REVIEW PROJECT PHASING PLANS TO COORDINATE DEMOLITION WORK, OUTAGES, ETC. WITH AFFECTED ADJACENT AREAS.
3. PROVIDE TEMPORARY DUCTWORK, PIPING, SHUTOFF VALVES, ZONE VALVES, ZONE ALARMS, ETC. AS NEEDED TO MAINTAIN SERVICE TO ALL AREAS DURING ALL PHASES OF PROJECT.
4. INSTALL TEMPORARY DUCTWORK, PIPING, SHUTOFF VALVES, ETC. AS NECESSARY TO KEEP ALL OCCUPIED SPACES OPERATIONAL THROUGHOUT ALL PHASES OF THE PROJECT
5. PHASE DEMOLITION WORK TO MINIMIZE DOWNTIME.

TAB PRE-DEMOLITION NOTES:

1. BEFORE ANY DEMOLITION WORK IS BEGUN A COMPLETE AIR BALANCE TEST SHALL BE PERFORMED BY THE TESTING, ADJUSTING AND BALANCING (TAB) CONTRACTOR ON EXISTING AIR HANDLERS AND EXHAUST FANS SERVING THE AREAS AFFECTED BY CONSTRUCTION. EQUIPMENT TO BE DEMOLISHED DOES NOT REQUIRE TESTING. PROVIDE AIR BALANCE TESTING ONLY ON EQUIPMENT THAT WILL CONTINUE TO BE USED TO SERVE RENOVATED AREAS AFTER THE CONSTRUCTION PHASE IS COMPLETED.
2. PROVIDE DUCT TRAVERSE READINGS AT LOCATIONS DESIGNATED ON THE DRAWINGS BY THE "AIRFLOW MEASUREMENT SYMBOL". THOSE MEASUREMENTS SHALL BE INCLUDED IN THE PRE DEMOLITION REPORT AND SHALL BE DESIGNATED WITH THE IDENTIFIER AS MARKED ON THE DRAWINGS. READINGS SHALL BE DESIGNATED WITH THE ROOM NAME AND NUMBER AS MARKED ON THE DRAWINGS. IF FLOOR PLANS DO NOT HAVE UNIQUE ROOM NAMES AND NUMBERS, TAB CONTRACTOR SHALL INCLUDE FLOOR PLAN WITH UNIQUE NUMBER DESIGNATIONS ASSIGNED TO READINGS THAT MATCH THOSE USED IN THE FINAL PRE-DEMOLITION REPORT. DRAWINGS THAT ARE HAND-MARKED WITH RED INK ARE ACCEPTABLE, PROVIDED THEY ARE LEGIBLE.
3. IN THE EVENT A DUCT TRAVERSE LOCATION AS MARKED ON THIS PLAN IS INACCESSIBLE FOR MEASUREMENT, THE TAB CONTRACTOR SHALL PERFORM THE TRAVERSE AT AN ALTERNATE LOCATION OR SHALL TAKE MULTIPLE DUCT TRAVERSES AND/OR READINGS AS REQUIRED TO DETERMINE THE AIRFLOW READING WHERE THE DUCT TRAVERSE SYMBOL IS SHOWN. IN THE EVENT TRAVERSES ARE TAKEN AT ALTERNATE LOCATION(S), TAB CONTRACTOR SHALL INCLUDE A DRAWING THAT SHOWS THE LOCATIONS WHERE THE ACTUAL MEASUREMENTS WERE TAKEN.
4. TAKE A DUCT STATIC PRESSURE READING AT EACH LOCATION WHERE A DUCT TRAVERSE READING IS TAKEN AND INCLUDE IN THE FINAL PRE-DEMOLITION TAB REPORT.
5. TAB CONTRACTOR SHALL COMPILE AND SUBMIT FOUR COPIES OF THE FINAL PRE-DEMOLITION REPORT WITHIN 10 WORKING DAYS AFTER THE FIELD MEASUREMENTS ARE COMPLETED. FINAL TAB REPORT SHALL BE SUBMITTED FOR REVIEW TO THE ARCHITECT/ENGINEER. TESTING SHALL INCLUDE ALL ITEMS REQUIRED IN THE SPECIFICATIONS.
6. TAB CONTRACTOR SHALL PROVIDE DUCT TRAVERSE READINGS AT LOCATIONS DESIGNATED ON THE DRAWINGS BY THE "AIRFLOW MEASUREMENT SYMBOL". THOSE MEASUREMENTS SHALL BE INCLUDED IN THE POST-CONSTRUCTION REPORT AND SHALL BE DESIGNATED WITH THE IDENTIFIER AS MARKED ON THE CONSTRUCTION DRAWINGS. GRILLE AND DIFFUSER READINGS SHALL BE DESIGNATED WITH THE ROOM NAME AND NUMBER AS MARKED ON THE DRAWINGS. IF THE DRAWINGS DO NOT HAVE UNIQUE ROOM NAMES AND NUMBERS, TAB CONTRACTOR SHALL INCLUDE FLOOR PLANS WITH UNIQUE NUMBER DESIGNATIONS ASSIGNED TO TRAVERSES, GRILLES, AND DIFFUSERS THAT MATCH THOSE USED IN THE FINAL PRE-DEMOLITION REPORT. SIMILAR ROOM NAMES, NUMBERS, OR DESIGNATIONS SHALL BE USED TO SIMPLIFY THE CROSS- REFERENCING OF READINGS TAKEN BETWEEN PRE-DEMOLITION AND POST-CONSTRUCTION REPORTS.
7. BALANCING CONTRACTOR SHALL PRE-BALANCE ALL EXISTING SYSTEMS TO REMAIN PER SPECIFICATION SECTION 23 05 93. BALANCE READINGS WILL BE REQUIRED AT AIR OUTLETS AND DUCT TRAVERSES TO VERIFY EXISTING AIRFLOW TO UNAFFECTED SPACES. **[NTD: COORDINATE WITH TAB NOTES/SPECS]**

TAB POST-CONSTRUCTION NOTES:

1. AFTER CONSTRUCTION ACTIVITIES ARE COMPLETE, TESTING, ADJUSTING (TAB) AND BALANCING CONTRACTOR SHALL REBALANCE AIR HANDLING UNITS AND EXHAUST FANS AS REQUIRED TO ACHIEVE THE NEW AIRFLOW VALUES SHOWN ON THE CONSTRUCTION DRAWINGS.
2. AREAS SERVED BY THIS EQUIPMENT WHICH WERE NOT RENOVATED SHALL BE RE-BALANCED TO THE AIRFLOW RATES MEASURED BEFORE THE RENOVATION OCCURRED (REFER TO THE FINAL PRE- DEMOLITION REPORT).
3. IF DUCT TRAVERSE LOCATION AS MARKED ON THE DRAWINGS IS INACCESSIBLE FOR MEASUREMENT, THE TAB CONTRACTOR SHALL PERFORM THE TRAVERSE AT AN ALTERNATE LOCATION OR SHALL TAKE MULTIPLE DUCT TRAVERSES AND/OR GRILLE READINGS AS REQUIRED TO DETERMINE THE FLOW RATE. IN THE EVENT TRAVERSES ARE TAKEN AT AN ALTERNATE LOCATION(S), TAB CONTRACTOR SHALL INCLUDE A DRAWING THAT SHOWS THE LOCATIONS WHERE THE ACTUAL MEASUREMENTS WERE TAKEN.
4. A DUCT STATIC PRESSURE READING SHALL BE TAKEN AT EACH LOCATION WHERE A DUCT TRAVERSE READING IS TAKEN AND SHALL BE INCLUDED IN THE FINAL POST-CONSTRUCTION TAB REPORT.
5. TAB CONTRACTOR SHALL COMPILE AND SUBMIT COPIES OF THE FINAL POST-CONSTRUCTION TAB REPORT AS REQUIRED BY SECTION 23 05 93.
6. THE FINAL POST CONSTRUCTION REPORT SHALL INCLUDE ALL ITEMS REQUIRED IN THE SPECIFICATIONS.

PIPING GENERAL NOTES:

1. THE SIZE OF BRANCH PIPING TO TERMINAL HEATING DEVICES AND COILS SHALL BE 3/4" UNLESS NOTED OTHERWISE.
2. PIPE DRAIN LINES FROM EQUIPMENT TO NEAREST FLOOR DRAIN.
3. INSTALL ALL REFRIGERANT LIQUID AND SUCTION PIPING SIZED PER EQUIPMENT MANUFACTURER RECOMMENDATIONS.

VENTILATION GENERAL NOTES:

1. UNLESS NOTED OTHERWISE, THE SIZE OF EACH BRANCH DUCT TO A TERMINAL AIR BOX (TAB) SHALL MATCH THE INLET SIZE UNLESS THE BRANCH IS GREATER THAN 6FEET IN LENGTH, IN WHICH CASE THE BRANCH DUCT SHALL BE SIZED AT A PRESSURE DROP OF 0.07"W.C. PER 100' OF DUCTWORK.
2. UNLESS NOTED OTHERWISE, THE SIZE OF EACH BRANCH DUCT TO AN AIR TERMINAL SHALL MATCH THE INLET SIZE.
3. ALIGN TEMPERATURE SENSORS WITH LIGHT SWITCHES AND WHEN IN CLOSE PROXIMITY TO EACH OTHER
4. PROVIDE ACCESS DOORS AT ALL DUCT MOUNTED EQUIPMENT.
5. EXISTING AIR INLET AND OUTLET CFM SHOWN ON DRAWINGS ARE FROM EXISTING DRAWINGS, AND ARE FOR REFERENCE ONLY. CONTRACTOR SHALL USE PRE-BALANCE VALUES, AND NOT EXISTING CFM SHOWN ON DRAWINGS.
6. CONTRACTOR MAY REUSE PORTIONS OF EXISTING DUCT PROVIDED SIZES AND PRESSURE CLASSES ARE CORRECT. DUCT IS THOROUGHLY CLEANED AND FREE OF DEFECTS, AND ALL TRANSVERSE JOINTS, LONGITUDINAL SEAMS, AND DUCT WALL PENETRATIONS ARE SEALED AS SPECIFIED FOR NEW DUCTWORK.
7. CLEAN ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK UPSTREAM OF ALL NEW CONNECTIONS PER SPECIFICATION SECTION 23 31 00. **[NTD: INCLUDE ONLY IF NECESSARY. CLEANING IS EXPENSIVE]**

MECHANICAL GENERAL NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, FIRE PROTECTION, PLUMBING, MEDICAL GAS, VENTILATION, PIPING AND TEMPERATURE CONTROL.

1. DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
2. DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.
3. COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH FABRICATION OR EQUIPMENT ORDERS.
4. REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKE REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS.
5. ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO OTHERS.
6. EACH CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT PROPOSED THAT DIFFERS FROM THE BASIS OF DESIGN.
7. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIO/VISUAL, AND OTHER MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.
8. EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
9. IN AREAS WITH DRYWALL CEILINGS COORDINATE LOCATIONS OF ACCESS PANELS WITH THE GC FOR ACCESS TO VALVES, DUCTWORK ACCESSORIES, DAMPERS, ETC. COORDINATE PANEL TYPE AND COLOR WITH ARCHITECT. NOTIFY THE GC OF THE REQUIRED ACCESS PANELS PRIOR TO BIDDING.
10. SEAL ALL **FLOOR, WALL AND ROOF** PENETRATIONS AIRTIGHT WHERE CONDUITS, PIPING, AND DUCTS PENETRATE. **PENETRATIONS THROUGH EXTERIOR WALLS AND ROOF SHALL BE SEALED AIRTIGHT WITH WATERPROOFING MATERIALS RECOMMENDED BY MANUFACTURER FOR OUTDOOR USE.**
11. CAULK ALL PIPE AND DUCT PENETRATIONS OF FULL HEIGHT NON-FIRE RATED WALL, PARTITION, FLOOR, AND ROOF ASSEMBLIES. THIS IS ESSENTIAL TO PREVENT NOISE TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN ROOMS.
12. WHERE PIPES AND DUCTS ARE SHOWN TO PENETRATE FLOORS, PROVIDE SLEEVED OPENINGS WITH THE TOP EDGE RAISED ABOVE FLOOR SURFACE IN ACCORDANCE WITH ALL RELEVANT SPEC SECTIONS. SEAL SLEEVE PERIMETER TO BE WATERTIGHT.
13. EQUIPMENT SIZES AND SERVICE CLEARANCE REQUIREMENTS VARY AMONG DIFFERENT MANUFACTURERS. CONSULT APPROVED SHOP DRAWINGS FOR EQUIPMENT SIZES AND REQUIRED SERVICE CLEARANCES. COORDINATE WITH LAYOUT OF EQUIPMENT PADS, PIPING, DUCTWORK, ETC.
14. DO NOT BLOCK TUBE PULL OR EQUIPMENT SERVICE CLEARANCES.
15. MAINTAIN A MINIMUM WORKING CLEARANCE OF 3'-6" IN FRONT OF ALL ELECTRICAL EQUIPMENT REQUIRING MAINTENANCE, INSPECTION, AND TESTING INCLUDING BUT NOT LIMITED TO PANELS, DISTRIBUTION PANELS, SWITCHBOARDS, MOTOR CONTROL CENTERS, TRANSFORMERS, EQUIPMENT DISCONNECTS AND STARTERS.
16. MAINTAIN THE DEDICATED ELECTRICAL EQUIPMENT SPACE DEFINED BY THE WIDTH / DEPTH OF ELECTRICAL EQUIPMENT MEASURED FROM THE FLOOR TO A HEIGHT 6'-0" ABOVE THE EQUIPMENT OR THE STRUCTURAL CEILING, WHICHEVER IS LOWER. SYSTEMS FOREIGN TO THE ELECTRICAL DISTRIBUTION SYSTEM ARE NOT ALLOWED IN THE DEDICATED ELECTRICAL SPACE INCLUDING: DUCTWORK, PIPING, ETC.
17. PROVIDE CONCRETE EQUIPMENT PAD FOR ALL FLOOR MOUNTED EQUIPMENT. PAD SHALL EXTEND MINIMUM 6" BEYOND ALL SIDES OF EQUIPMENT.
18. DO NOT SUPPORT EQUIPMENT, PIPING, OR DUCTWORK FROM METAL DECKING OR OTHER NON-STRUCTURAL BUILDING ELEMENTS. ANCHORS EMBEDDED IN CONCRETE SHALL BE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.

MECHANICAL SHEET INDEX

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MPE234A	ROOF PLAN - MECHANICAL PLUMBING AND ELECTRICAL - AREA A
MPE234B	ROOF PLAN - MECHANICAL PLUMBING AND ELECTRICAL - AREA B
GRAND TOTAL: 31	

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A Submission Information
City, Department Services Department
Summit, Missouri
01/16/2024

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023

Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	MJO/MIL/CL
Checked By	MJL/BEH

Revision

Number	Date	Description

M000

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MECHANICAL COVERSHEET

IMEG
1600 BALTIMORE
SUITE 300
KANSAS CITY, MO 64108
P: 816.842.8637
www.imegcorp.com

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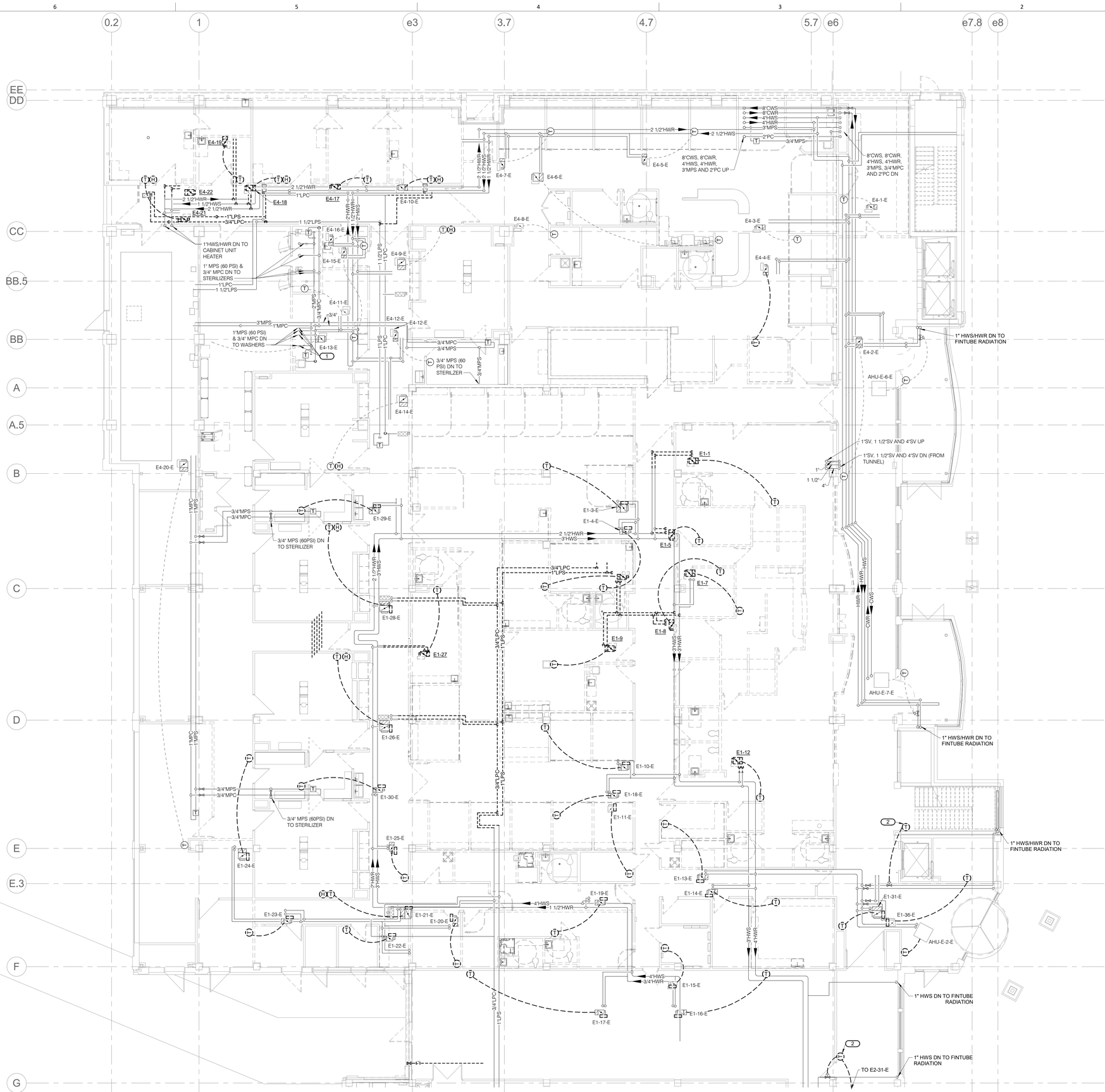

SHEET NOTES:

1. REFER TO SHEET M000 FOR SYMBOLS AND GENERAL NOTES.
2. AT EACH EXISTING TERMINAL AIR BOX (TAB) SERVED BY AHU-1-E, AND AT VESTIBULE AIR HANDLING UNIT AHU-E-3-E, WHERE THERMOSTAT IS SHOWN TO BE REMOVED, ALSO DISCONNECT AND REMOVE THE FMCS DDC CONTROLLER, INCLUDING ASSOCIATED 2-WAY CHILLED WATER AND/OR HOT WATER CONTROL VALVE, MANUAL BALANCING VALVE(S), AND ANY ASSOCIATED AUXILIARY SENSORS, CONTROL DEVICES, AND/OR CONTROL WIRING THAT CANNOT BE RE-USED. PROTECT TAB/AHU AND REMAINING PIPING FOR INSTALLATION OF NRE CONTROL VALVE(S).
3. AT EACH EXISTING OPERATING ROOM WHERE THE HUMIDITY SENSOR IS SHOWN TO BE REMOVED, ALSO DISCONNECT AND REMOVE THE STEAM CONTROL VALVE ASSOCIATED WITH THE ZONE/DUCT HUMIDIFIER, ALONG WITH ANY ASSOCIATED AUXILIARY SENSORS, CONTROL DEVICES, AND/OR ANY CONTROL WIRING THAT CANNOT BE RE-USED. PROTECT REMAINING PIPING FOR INSTALLATION OF NEW CONTROL VALVE.
4. PRIOR TO DEMOLISHING ANY FMCS TAB CONTROLLERS, CONTRACTOR SHALL RECORD THE FOLLOWING INFORMATION FROM EACH EXISTING TAB/CONTROLLER, AND SUBMIT THE INFORMATION IN WRITING TO THE ENGINEER:
   A. ZONE/CONTROLLER TAG NO.
   B. ROOM NO. OF ROOM SERVED (IF TAB SERVES MULTIPLE ROOMS, RECORD THE ROOM NO. OF THE ROOM WHERE THE THERMOSTAT IS LOCATED)
   C. TAB INLET SIZE (INCHES)
   D. REHEAT COIL NO. OF ROWS
   E. MAX. COOLING AIRFLOW RATE (CFM)
   F. MIN. COOLING AIRFLOW RATE (CFM)
   G. HEATING AIRFLOW RATE (CFM)
   H. REHEAT CONTROL VALVE SIZE
   I. REHEAT CONTROL VALVE MAX. FLOW RATE (GPM)

KEYNOTES: (#)

1. CUT 1" MPS AND 3/4" MPC AND REMOVE PIPING DOWN TO WASHER, INCLUDING ACCESSORIES. PROTECT REMAINING PIPING FOR NEW CONNECTIONS.
2. THE THERMOSTAT SERVES FINNED TUBE RADIATION AT EXISTING STAIR. FIELD VERIFY LOCATION OF HEATING HOT WATER. CUT 1" MPS AND 3/4" MPC AND REMOVE PIPING DOWN TO STERILIZER, INCLUDING ACCESSORIES. PROTECT REMAINING PIPING FOR NEW CONNECTIONS.

1 LEVEL 01 DEMOLITION PLAN - PIPING - AREA B

1/8" = 1'-0"

NORTH

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

IMEG
1600 BALTIMORE SUITE 300 KANSAS CITY, MO 64108 P: 816.842.8437
www.imegcorp.com

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PROJECT #210067830.00

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

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M111B

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LEVEL 01 DEMOLITION PLAN - PIPING - AREA B

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Engineering Services Department
Lee's Summit, Missouri
01/16/2024

SHEET NOTES:

1. REFER TO SHEET M000 FOR SYMBOLS AND GENERAL NOTES.
2. THERMOSTATS FOR TERMINAL AIR BOXES BEING DEMOLISHED ARE NOT SHOWN, BUT SHALL BE DEMOLISHED.

KEYNOTES: (#)

1. DISCONNECT I.T. ROOM IN-ROW COOLER AND REMOVE ASSOCIATED REFRIGERANT AND DRAIN PIPING (NOT SHOWN.).

8" CWS DN (WITH VALVE & FLANGE AT TOP OF RISER)
8" CWR DN (WITH VALVE & FLANGE AT TOP OF RISER)
4" HWS DN (WITH VALVE & FLANGE AT TOP OF RISER)
4" HWR DN (WITH VALVE & FLANGE AT TOP OF RISER)
3" MPS DN (WITH VALVE & FLANGE AT TOP OF RISER)
2" PC DN (WITH VALVE & FLANGE AT TOP OF RISER)

6"CWS
6"CWR
3/4"MPC
1 1/2"HWS
1 1/2"HWR
3"MPS
2"PC
1 1/2"HWR
1 1/2"HWS
4"HWS
4"HWR

3/4" MPC AND 2" PC DN (TO FLASH TANK AND CONDENSATE PUMP ON LEVEL 01)
REFRIDGERANT PIPING DN (TO AHU-E-4-E ON LEVEL 01)
1" HWS/HWR DN (TO A UNIT HEATER ON LEVEL 01)
LIQ/SUC
LIQ & SUC UP
6" CWS/CWR DN (TO AHU-E-4-E ON LEVEL 01)
(4) SETS OF 5/8" LIQ AND 1-1/8" SUC PIPING UP TO CONDENSING UNITS ON ROOF
3" MPS DN (TO PRV STATION ON LEVEL 01)
1" HWS/HWR DN (TO A UNIT HEATER ON LEVEL 01)
1" SV UP & DN
1 1/2" SV UP & DN
4" SV UP & DN

E3-10-E
E3-16-E
E3-14-E
E3-12-E
E3-09-E
E3-15-E
E3-13-E
E3-08-E
E3-07-E
E3-11-E
E3-05-E
E3-06-E

1 LEVEL 02 DEMOLITION PLAN - PIPING - AREA B
1/8" = 1'-0"

NORTH

IMEG 1600 BALTIMORE SUITE 300 KANSAS CITY, MO 64108 P: 816.842.8437
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PROJECT #21006783.00

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
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Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

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Revision

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M112B

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LEVEL 02 DEMOLITION PLAN - PIPING - AREA B

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IN THIS AREA WHERE INTERIOR WALLS ARE NOT MOVING BUT CEILING IS BEING REMOVED, TEMPORARILY DISCONNECT CEILING MOUNTED AIR TERMINALS AS REQUIRED TO ALLOW FOR CEILING WORK BY OTHER TRADES. REMOVE FLEX DUCTS THAT CANNOT BE RE-USED. CLEAN AIR TERMINALS PRIOR TO RE-INSTALLATION.

SHEET NOTES:

1. REFER TO SHEET M000 FOR SYMBOLS AND GENERAL NOTES.

KEYNOTES: (#)

1. DISCONNECT AND REMOVE EXHAUST AIR DUCT RISER UP THROUGH BUILDING, INCLUDING ANY ASSOCIATED FIRE DAMPERS. PATCH OPENING IN SECOND FLOOR SLAB AS SPECIFIED.
2. DEMOLISH DUCT RISER UP THROUGH LEVEL 02 SLAB.
3. DISCONNECT AND REMOVE DUCT HUMIDIFIER, INCLUDING PIPING AND CONTROLS. PATCH AND SEAL DUCTWORK AIR TIGHT.

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
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Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	MJO/MJL/CL
Checked By	MJL/BEH

Revision

Number	Date	Description

M121B

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LEVEL 01 DEMOLITION PLAN - VENTILATION - AREA B

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SUITE 300
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P: 816.842.8437
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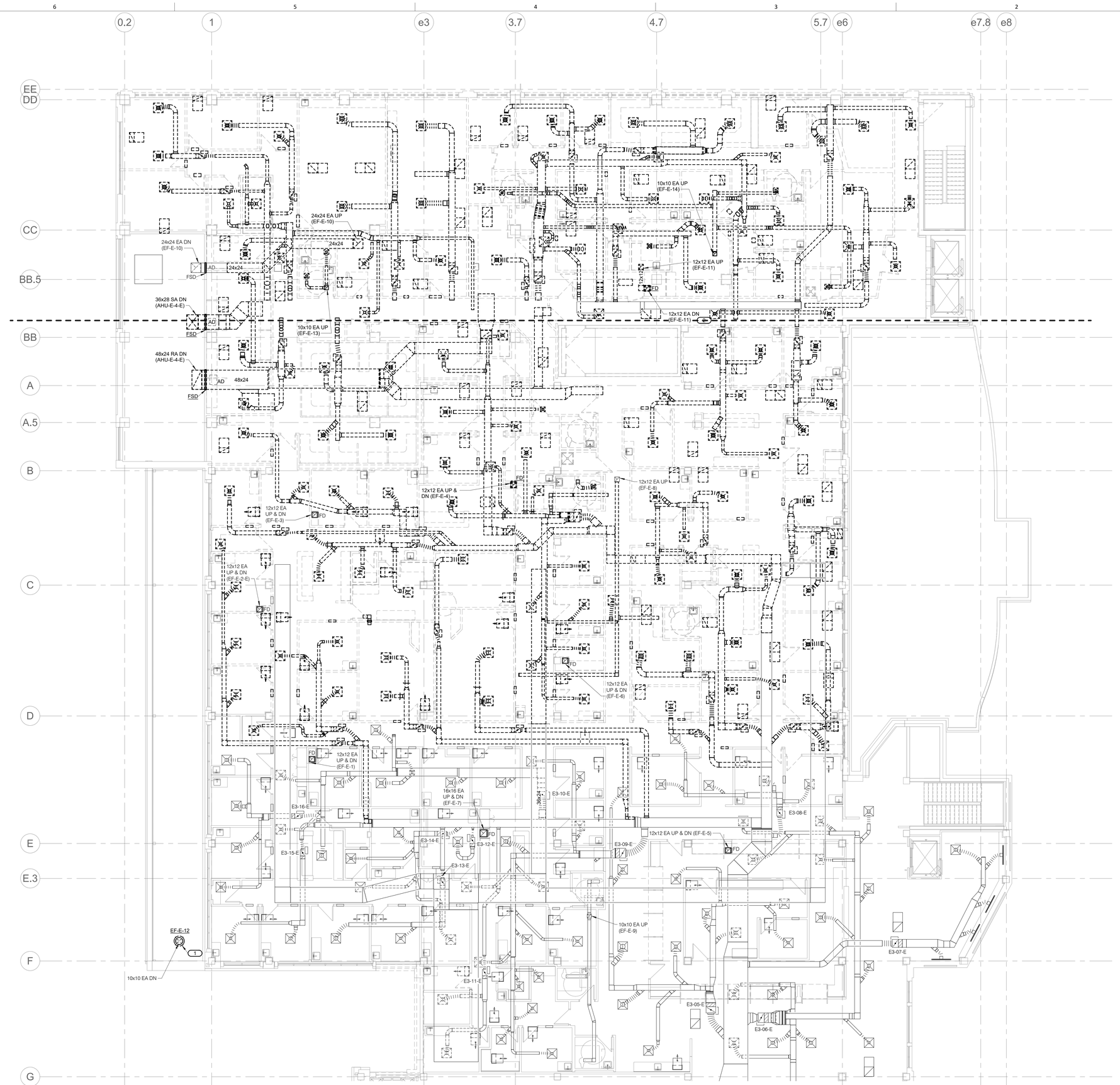
NORTH

1 LEVEL 01 DEMOLITION PLAN - VENTILATION - AREA B

1/8" = 1'-0"

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/MEP21_21006783.00_SLH-East ASC Addition_C.rvt



SHEET NOTES:

1. REFER TO SHEET M000 FOR SYMBOLS AND GENERAL NOTES.

KEYNOTES: (#)

1. DISCONNECT AND REMOVE EXHAUST FAN. PROTECT EXISTING ROOF CURB AND DUCTWORK FOR RE-USE WITH NEW FAN.
2. PATCH LEVEL 02 SLAB.

1 LEVEL 02 DEMOLITION PLAN - VENTILATION - AREA B

1/8" = 1'-0"

NORTH

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As noted on drawings
Missouri Department Services Department
City of Lee's Summit, Missouri
01/16/2024

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023

Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	MJO/MJL/CL
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1600 BALTIMORE
SUITE 300
KANSAS CITY, MO 64108
P: 816.842.9437
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LEVEL 02 DEMOLITION PLAN - VENTILATION - AREA B

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Development Services Department
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01/16/2024

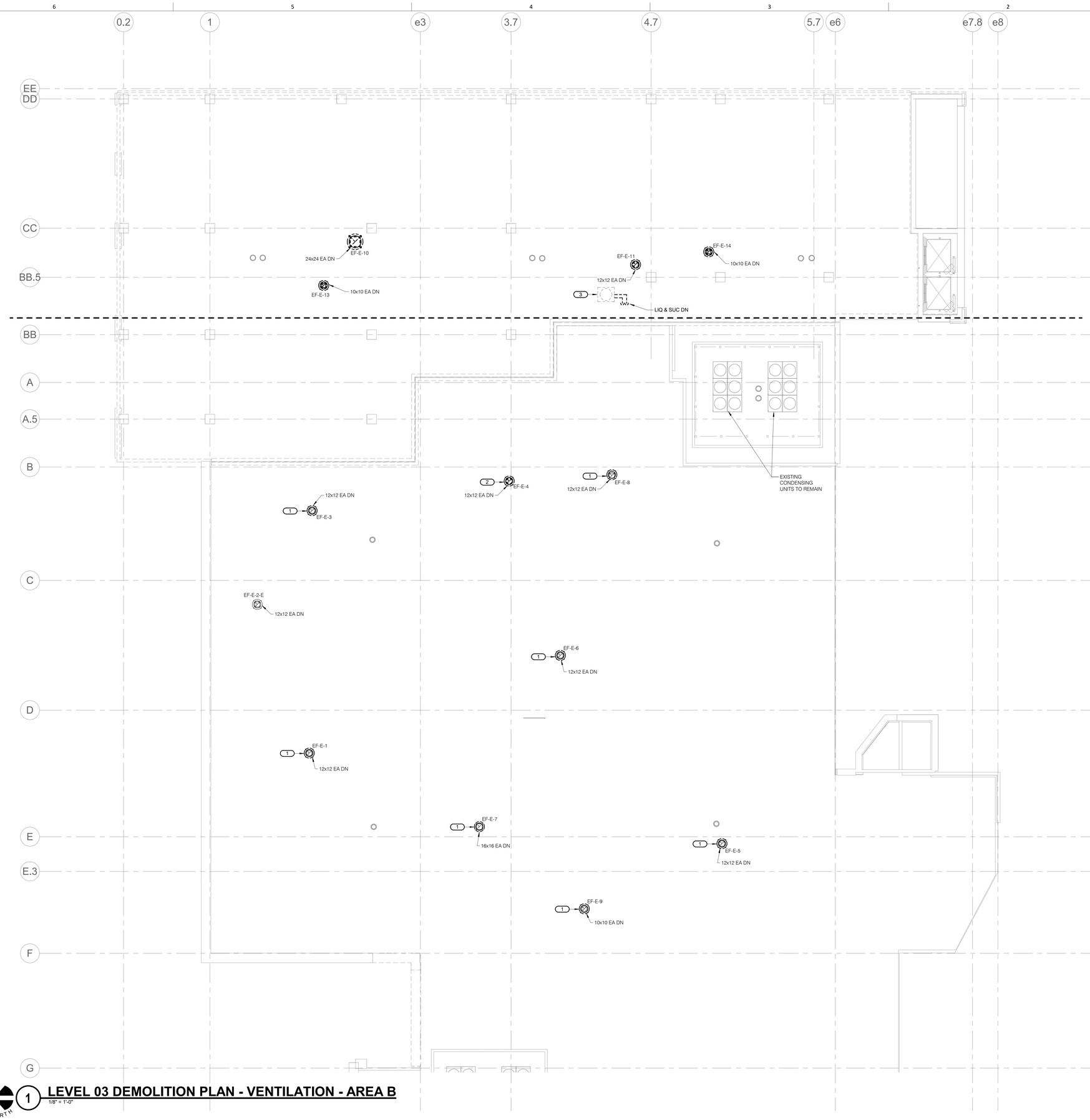
STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

SHEET NOTES:

1. REFER TO SHEET M000 FOR SYMBOLS AND GENERAL NOTES.

KEYNOTES: (#)

1. DISCONNECT AND REMOVE EXHAUST FAN. PROTECT EXISTING ROOF CURB AND DUCTWORK FOR RE-USE WITH NEW FAN.
2. DISCONNECT AND REMOVE EXHAUST FAN. INSTALL INSULATED SHEET METAL CAP ON EXISTING ROOF CURB.
3. DISCONNECT AND REMOVE CONDENSING UNIT ASSOCIATED WITH I.T. ROOM IN-ROW COOLER, INCLUDING ASSOCIATED REFRIGERANT PIPING. RECLAIM REFRIGERANT AND DO NOT DISCHARGE IT TO ATMOSPHERE.



1 LEVEL 03 DEMOLITION PLAN - VENTILATION - AREA B

1/8" = 1'-0"

NORTH

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1600 BALTIMORE
SUITE 300
KANSAS CITY, MO 64108
P: 816.842.8437
www.imegcorp.com

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ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
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LEVEL 03 DEMOLITION PLAN - VENTILATION - AREA B

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Development Services Department
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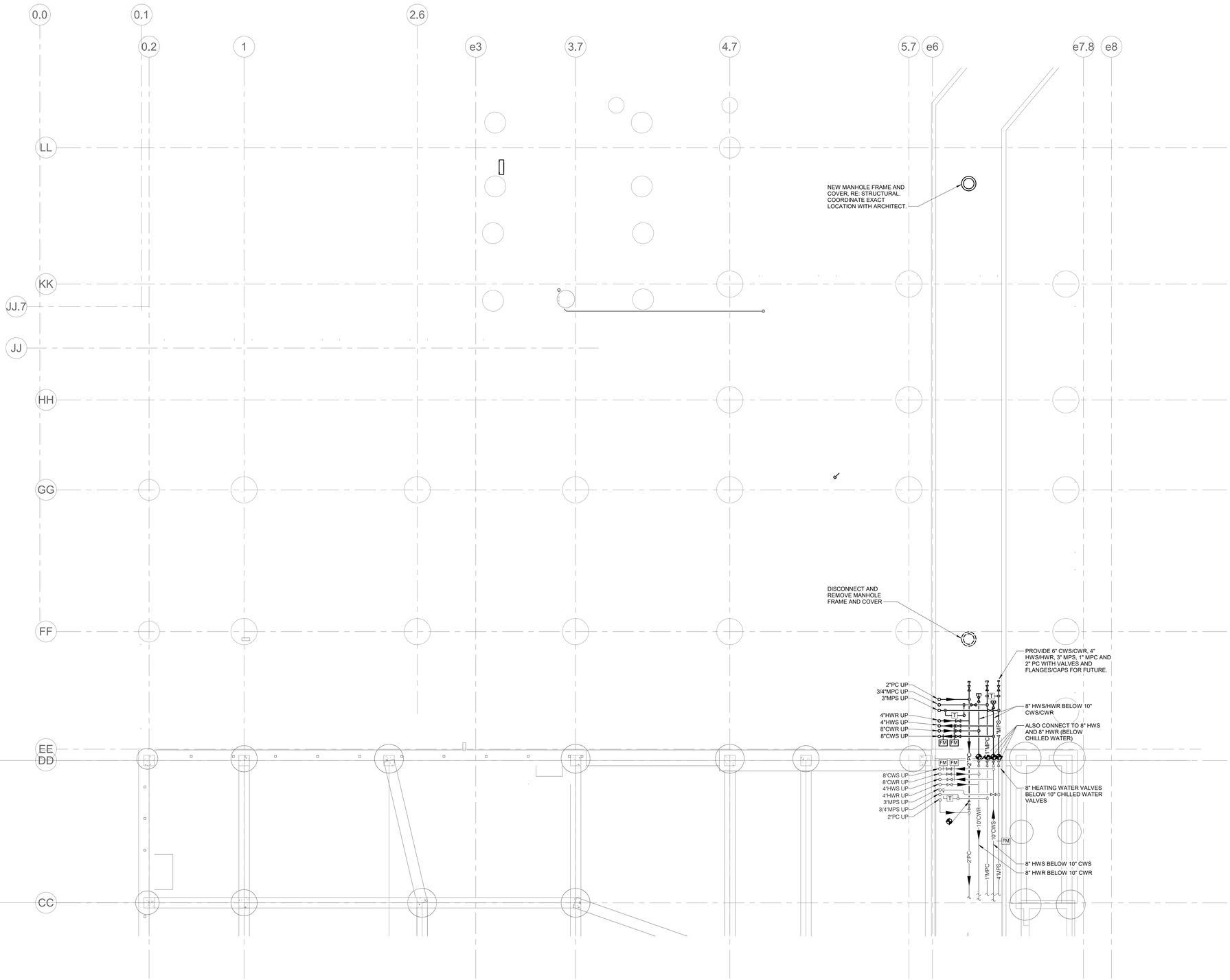
01/16/2024

SHEET NOTES:

1. REFER TO SHEET M000 FOR SYMBOLS AND GENERAL NOTES.

KEYNOTES: (#)

1. .
2. .
3. .



1 LEVEL 00 PLAN - PIPING - AREA A

1/8" = 1'-0"

NORTH

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1600 BALTIMORE
SUITE 300
KANSAS CITY, MO 64108
P: 816.842.8437
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STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
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100 NE Saint Luke's Blvd
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CONSTRUCTION DOCUMENTS

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LEVEL 00 PLAN - PIPING - AREA A

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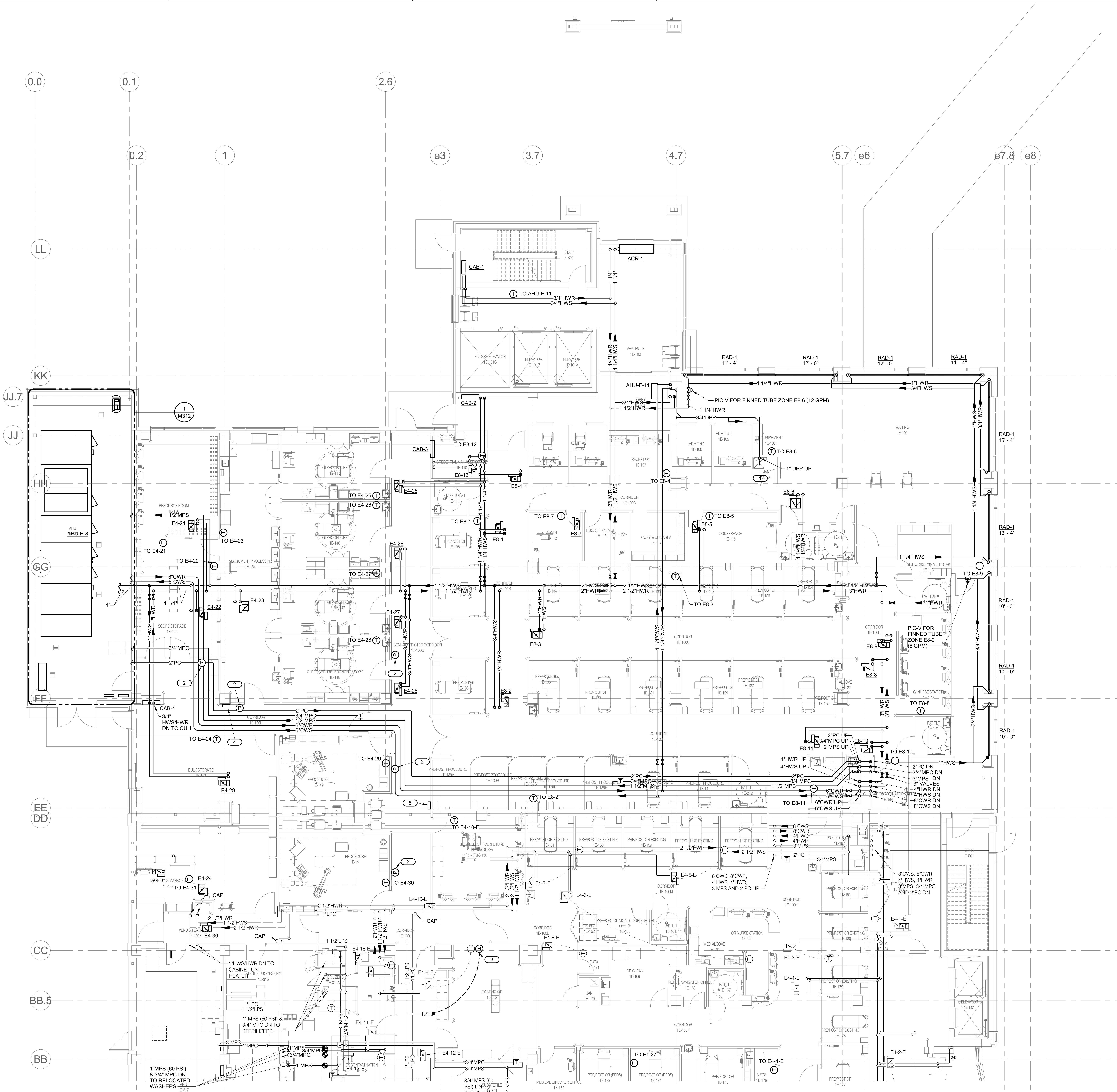
Lee's Summit, Missouri
10/16/2024



LEVEL 01 PLAN - PIPING - AREA A
1/8" = 1'-0"

NORTH

SHEET NOTES:

1. REFER TO SHEET M000 FOR SYMBOLS AND GENERAL NOTES.

KEYNOTES: #

1. ROUTE DRAIN PIPING DOWN ON FACE OF WALL AND END OVER JANITOR SINK. PROVIDE A SIGN THAT READS, "CONDENSATE DRAIN PIPING FROM IN-ROW COOLERS ON LEVELS 2 AND 3, AND FROM AHU'S E-11, E-12 AND E-13."
2. ROOM PRESSURE MONITOR REMOTE DISPLAY. REFER TO ROOM PRESSURE MONITORING CONTROL DIAGRAM. COORDINATE EXACT LOCATION WITH ARCHITECT.
3. INSTALL NEW HUMIDITY SENSOR AND CONNECT TO EXISTING CONTROLS. ALSO PROVIDE AND INSTALL NEW STEAM CONTROL VALVE AND HUMIDITY HIGH LIMIT CONTROLLER ON EXISTING ZONE/DUCT HUMIDIFIER.
4. CRITICAL ROOM CONTROLS (CRC) ROOM PRESSURIZATION CONTROL PANEL. PANEL SHALL ACCOMMODATE THREE (3) DIFFERENTIAL PRESSURE TRANSDUCERS AND THREE (3) REMOTE DISPLAYS. THIS PANEL SHALL BE USED TO MONITOR THE GI PROCEDURE-BRONCOSCOPY ROOM, THE INSTRUMENT PROCESSING ROOM, AND THE SCOPE STORAGE ROOM. MOUNT PANEL IN ACCESSIBLE LOCATION ABOVE CEILING OF CORRIDOR. COORDINATE EXACT LOCATION WITH OTHER WORK.
5. CRITICAL ROOM CONTROLS (CRC) ROOM PRESSURIZATION CONTROL PANEL. PANEL SHALL ACCOMMODATE THREE (3) DIFFERENTIAL PRESSURE TRANSDUCERS AND THREE (3) REMOTE DISPLAYS. THIS PANEL SHALL BE USED TO MONITOR THE TWO (2) NEW PROCEDURE ROOMS (AND IN FUTURE WILL MONITOR THE FUTURE THIRD PROCEDURE ROOM). MOUNT PANEL IN ACCESSIBLE LOCATION ABOVE CEILING OF CORRIDOR. COORDINATE EXACT LOCATION WITH OTHER WORK.

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	MJO/MJL/CL
Checked By	MJL/BEH

Revision

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IMEG
1600 BALTIMORE
SUITE 300
KANSAS CITY, MO 64108
P: 816.842.8437
www.imegcorp.com

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PROJECT #21006783.00

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Summit, Missouri
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STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

SHEET NOTES:

1. REFER TO SHEET M000 FOR SYMBOLS AND GENERAL NOTES.
2. TERMINAL AIR BOXES ON LEVEL 01 SERVED BY AHU-E-1-E (INCLUDING THOSE SERVING THREE EXISITNG OPERATING ROOMS) STILL HAVE THE ORIGINAL OUTDATED JOHNSON CONTROLS "NZ" CONTROLLERS. THOSE CONTROLLERS, AS WELL AS ANY MISCELLANEOUS UNITARY CONTROLLERS (FOR ITEMS LIKE EXHAUST FANS, ETC.) SHALL BE REPLACED WITH NEW JCI METASYS BACNET-COMPATIBLE CONTROLS. THIS INCLUDES PROVIDING AND INSTALLING A NEW WALL THERMOSTAT, PROVIDING AND INSTALLING A NEW PRESSURE-INDEPENDENT CONTROL VALVE ON THE EXISTING HOT WATER REHEAT COIL, PROVIDING AND INSTALLING A NEW STEAM CONTROL VALVE AND HIGH LIMIT FOR THE DUCT HUMIDIFIER (OPERATING ROOM ZONES ONLY), AND DISCONNECTING/RECONNECTING ANY AUXILIARY SENSORS OR CONTROL DEVICES (SUCH AS SUPPLY AIR TEMPERATURE SENSORS, PERIMETER HEATING CONTROL VALVES, ETC.) TO THE NEW CONTROLS. THE CONTROLS ON AHU-E-1-E WERE PREVIOUSLY UPGRADED, AND THERE IS AN EXISTING BACNET-COMPATIBLE NETWORK CONTROLLER THAT HAS CAPACITY TO HANDLE THE NEW BOX CONTROLLERS AND UNITARY CONTROLLERS. COMMUNICATIONS WIRING SHALL BE EXTENDED AS REQUIRED. EACH NEW JCI CONTROLLER SHALL BE POWERED BY EXISTING 24V POWER WIRING THAT SERVED THE OLDER CONTROLLER, BUT IF NEW 24V OR 120V POWER IS REQUIRED FOR ANY REASON, THEN ELECTRICAL PROVISIONS SHALL BE INCLUDED.

KEYNOTES: (#)

1. ROOM PRESSURE MONITOR. REFER TO OPERATING ROOM PRESSURE, TEMPERATURE AND HUMIDITY CONTROL DIAGRAM.
2. NEW THERMOSTAT TO SERVE FINTUBE RADIATION AT EXISTING STAIR. ALSO PROVIDE AND INSTALL NEW PRESSURE INDEPENDENT CONTROL VALVE IN SAME LOCATION WHERE THE OLD CONTROL VALVE WAS REMOVED (FIELD VERIFY LOCATION).
3. INSTALL NEW HUMIDITY SENSOR AND CONNECT TO EXISTING CONTROLS. ALSO PROVIDE AND INSTALL NEW STEAM CONTROL VALVE AND HUMIDITY HIGH LIMIT CONTROLLER ON EXISTING ZONE/DUCT HUMIDIFIER.
4. CRITICAL ROOM CONTROLS (CRC) AIRFLOW AND ROOM PRESSURIZATION CONTROL PANEL. MOUNT IN ACCESSIBLE LOCATION ABOVE CEILING OUTSIDE OF O.R.. COORDINATE EXACT LOCATION WITH EXISTING CONDITIONS:
5. COORDINATE EXACT LOCATION OF O.R. TEMPERATURE AND HUMIDITY REMOTE DISPLAY WITH ARCHITECT. DISPLAY SHALL FACE INTO THE O.R. INSTALL TEMPERATURE AND HUMIDITY SENSORS (NOT SHOWN) IN THE NEW COMBINED RA DUCTWORK NEAR THE RETURN AIR VALVE, UPSTREAM OF THE TIE-IN TO THE RA DUCT MAIN SERVING OTHER AREAS. COORDINATE EXACT LOCATION SUCH THAT SENSORS ARE ACCESSIBLE VIA A CEILING ACCESS PANEL.

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
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Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	MJO/MJL/CL
Checked By	MJL/BEH

Revision

Number	Date	Description

M211B

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LEVEL 01 PLAN - PIPING - AREA B

1 LEVEL 01 PLAN - PIPING - AREA B
1/8" = 1'-0"

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SUITE 300
KANSAS CITY, MO 64108
P: 816.842.8437
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PROJECT #210067783.00

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1/16/2023 5:50:08 PM

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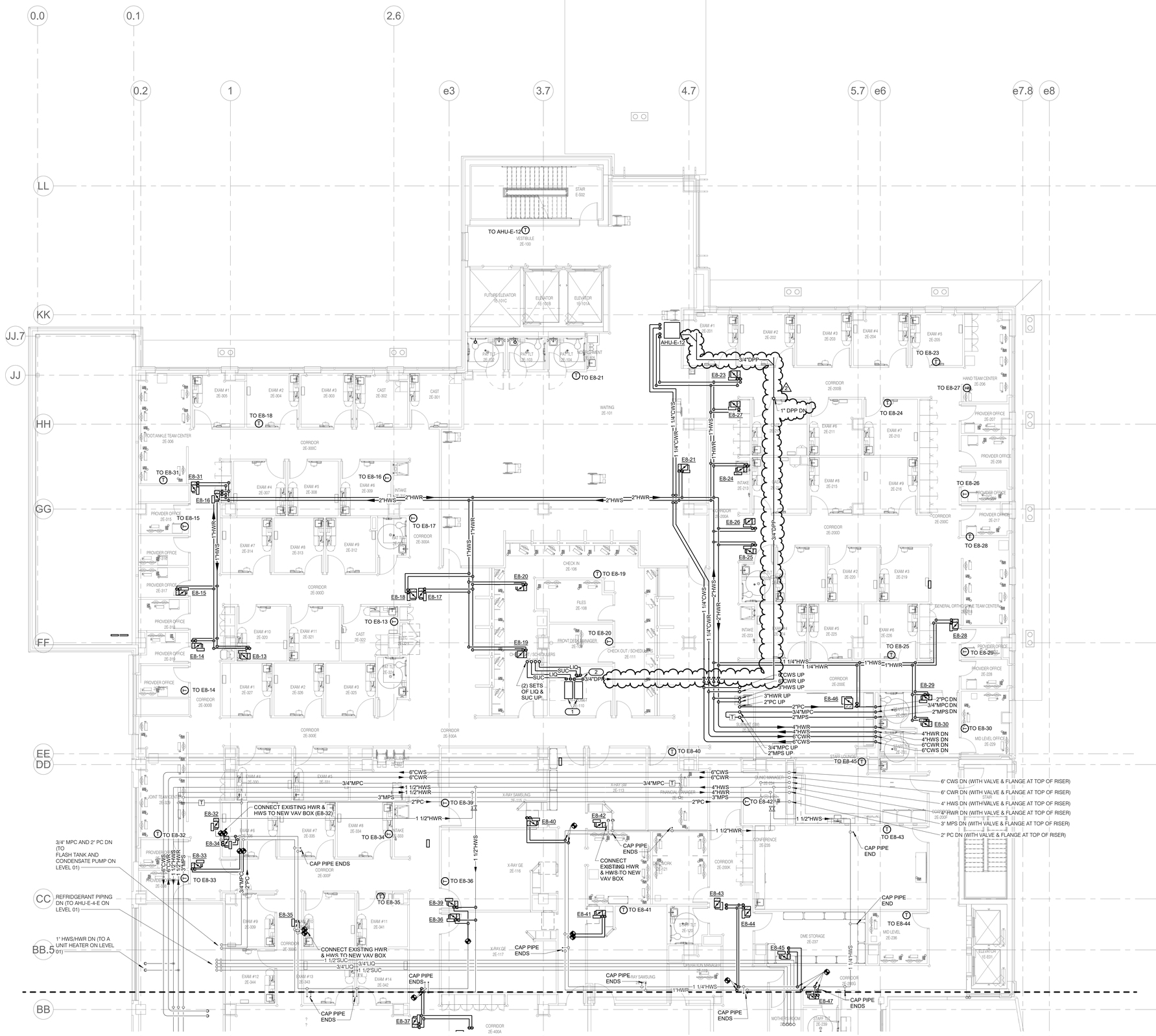
As noted on drawings
Permit Services Department
City of Summit, Missouri
2/16/2024

SHEET NOTES:

1. REFER TO SHEET M000 FOR SYMBOLS AND GENERAL NOTES.

KEYNOTES: (#)

1. NEW I.T. ROOM IN-ROW COOLER. EQUIPMENT PROVIDED BY EC AND INSTALLED BY MC. RE: ELECTRICAL DRAWINGS FOR ADDITIONAL DETAILS.
2. 3/4" PD DOWN TO CONDENSATE PUMP ON IN-ROW COOLER. EXTEND PIPING AS HIGH AS NECESSARY. THEN TURN HORIZONTAL AND PITCH DOWNSTREAM PIPING TO DRAIN BY GRAVITY.



1 **LEVEL 02 PLAN - PIPING - AREA A**
1/8" = 1'-0"

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

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EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	MJO/MJL/CL
Checked By	MJL/BEH

Revision

Number	Date	Description
2	2/10/23	Addendum 2

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M212A

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LEVEL 02 PLAN - PIPING - AREA A

2/10/2023 11:52:58 AM

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Jackson County Missouri Planning and Development Services Department
Lee's Summit, Missouri
01/16/2024

SHEET NOTES:

1. REFER TO SHEET M000 FOR SYMBOLS AND GENERAL NOTES.
2. TERMINAL AIR BOXES ON LEVEL 02 SERVED BY AHU-E-3-E STILL HAVE THE ORIGINAL OUTDATED JOHNSON CONTROLS "NZ" CONTROLLERS. THOSE CONTROLLERS, AS WELL AS ANY MISCELLANEOUS UNITARY CONTROLLERS (FOR ITEMS LIKE EXHAUST FANS, ETC.) SHALL BE REPLACED WITH NEW JCI METASYS BACNET-COMPATIBLE CONTROLS. THIS INCLUDES PROVIDING AND INSTALLING A NEW WALL THERMOSTAT, PROVIDING AND INSTALLING A NEW PRESSURE-INDEPENDENT CONTROL VALVE ON THE EXISTING HOT WATER REHEAT COIL, AND DISCONNECTING/RECONNECTING ANY AUXILIARY SENSORS OR CONTROL DEVICES (SUCH AS SUPPLY AIR TEMPERATURE SENSORS, PERIMETER HEATING CONTROL VALVES, ETC.) TO THE NEW CONTROLS. THERE IS AN EXISTING BACNET-COMPATIBLE NETWORK CONTROLLER THAT HAS CAPACITY TO HANDLE THE NEW BOX CONTROLLERS AND UNITARY CONTROLLERS. COMMUNICATIONS WIRING SHALL BE EXTENDED AS REQUIRED. EACH NEW JCI CONTROLLER SHALL BE POWERED BY EXISTING 24V POWER WIRING THAT SERVED THE OLDER CONTROLLER, BUT IF NEW 24V OR 120V POWER IS REQUIRED FOR ANY REASON, THEN ELECTRICAL PROVISIONS SHALL BE INCLUDED.
3. LOCATIONS FOR NEW THERMOSTATS ON EXISTING BOXES ARE TO BE DETERMINED.

KEYNOTES: (#)

1. TEMPERATURE CONTROL PANEL. LOW VOLTAGE TRANSFORMER PANEL TO SERVE NEW TABS ON LEVEL 3. COORDINATE EXACT LOCATION WITH EC.

EXISTING TABS E3-01-E AND E3-02-E ARE NOT YET SHOWN, BUT DO REQUIRE NEW CONTROLS, AS DESCRIBED IN SHEET NOTE #2.

1 LEVEL 02 PLAN - PIPING - AREA B

1/8" = 1'-0"

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

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EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
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Checked By	MJL/BEH

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2	2/10/23	Addendum 2

M212B

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LEVEL 02 PLAN - PIPING - AREA B

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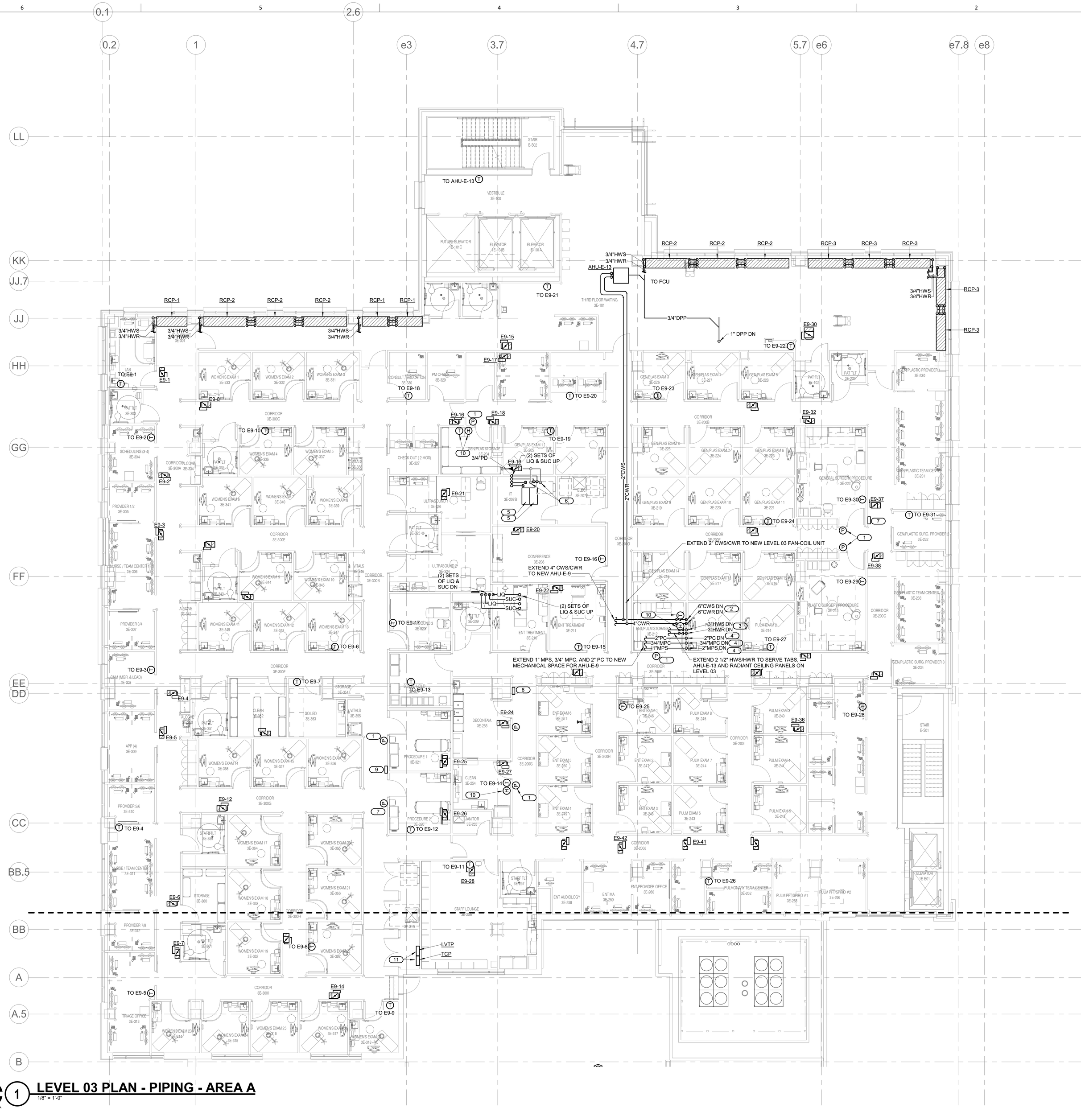
TO AHU-E-13
VESTIBULE 3E-100
STAIR E-502
FUTURE ELEVATOR 1E-101C
ELEVATOR 1E-101B
ELEVATOR 1E-101A
THIRD FLOOR WAITING 3E-101
TO E9-21
RCP-1
RCP-2
RCP-3
3/4"HWS
3/4"HWR
AHU-E-13
TO FCU
3/4"DPP
1" DPP DN
TO E9-22
E9-30
E9-15
E9-17
TO E9-18
TO E9-20
TO E9-23
E9-32
E9-16
E9-18
TO E9-19
(2) SETS OF LIQ & SUC UP
3/4"PD
E9-19
E9-21
E9-20
TO E9-16
EXTEND 4" CWS/CWR TO NEW AHU-E-9
(2) SETS OF LIQ & SUC UP
LIQ
SUC
TO E9-17
TO E9-15
2"CWR
2"CWS
4"CWR
6"CWS DN
6"CWR DN
3"HWS DN
3"HWR DN
2"PC
3/4"MPC
1"MPS
2"PC DN
3/4"MPC DN
2"MPS DN
TO E9-27
EXTEND 1" MPS, 3/4" MPC, AND 2" PC TO NEW MECHANICAL SPACE FOR AHU-E-9
EXTEND 2 1/2" HWS/HWR TO SERVE TABS AHU-E-13 AND RADIANT CEILING PANELS ON LEVEL 03
EXTEND 2" CWS/CWR TO NEW LEVEL 03 FAN-COIL UNIT
TO E9-30
E9-37
TO E9-31
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PAT TLT

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SHEET NOTES:

1. REFER TO SHEET M000 FOR SYMBOLS AND GENERAL NOTES.
2. BALANCE ALL EXISTING AIR TERMINALS TO NEW AIRFLOW RATES (CFM) INDICATED.

KEYNOTES: (#)

1. INSTAALL INACTIVE SEGMENTS OF LINEAR DIFFUSER BETWEEN AND BEYOND ACTIVE SEGMENTS TO CREATE A CONTINUOUS SLOT FROM COLUMN TO COLUMN. COORDINATE EXACT LENGTHS WITH ARCHITECTURAL DRAWINGS. BLANK OFF INACTIVE SEGMENTS WITH PANELS PAINTED BLACK AND PROVIDE END CAPS AS REQUIRED.

INSTALL AHU SUCH THAT IT CAN BE SERVICED WITHOUT BLOCKING MAIN ENTRANCE.

TRANSITION 28x28 RA TO 40x20 IN VERTICAL AND ROUTE BELOW 40x22 SA WITH FSD AT WALL PENETRATION

CONNECT NEW 40"x22" SA DUCT TO EXISTING 72"x28" SA NEAR CONNECTION TO AHU-E-4-E

IN THIS AREA WITH CEILING WORK BY OTHER TRADES. RE-INSTALL AIR TERMINALS THAT WERE DISCONNECTED DURING DEMOLITION AND PROVIDE NEW FLEX DUCTS AS REQUIRED. BALANCE ALL AIR TERMINALS TO NEW AIR FLOW RATES (CFM) INDICATED.

LEVEL 01 PLAN - VENTILATION AREA A

1/8" = 1'-0"

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
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Checked By	MJL/BEH

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1. REFER TO SHEET M000 FOR SYMBOLS AND GENERAL NOTES.
2. BALANCE ALL EXISTING AIR TERMINALS TO NEW AIRFLOW RATES (CFM) INDICATED.

KEYNOTES: (#)

1. .

CONNECT NEW 28"x28" RA DUCT TO EXISTING 48"x42" RA, ROUTE NEW DUCT UP AND OVER TOP OF EXISTING DUCTWORK.

IN THIS AREA WITH CEILING WORK BY OTHER TRADES, RE-INSTALL AIR TERMINALS THAT WERE DISCONNECTED DURING DEMOLITION AND PROVIDE NEW FLEX DUCTS AS REQUIRED. BALANCE ALL AIR TERMINALS TO NEW AIR FLOW RATES (CFM) INDICATED.

IN THIS AREA WITH CEILING WORK BY OTHER TRADES, RE-INSTALL AIR TERMINALS THAT WERE DISCONNECTED DURING DEMOLITION AND PROVIDE NEW FLEX DUCTS AS REQUIRED. BALANCE ALL AIR TERMINALS TO NEW AIR FLOW RATES (CFM) INDICATED.

IN THIS AREA WITH CEILING WORK BY OTHER TRADES, RE-INSTALL AIR TERMINALS THAT WERE DISCONNECTED DURING DEMOLITION AND PROVIDE NEW FLEX DUCTS AS REQUIRED. BALANCE ALL AIR TERMINALS TO NEW AIR FLOW RATES (CFM) INDICATED.

1 LEVEL 01 PLAN - VENTILATION - AREA B

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IMEG
1600 BALTIMORE
SUITE 300
KANSAS CITY, MO 64108
P: 816.842.8437
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STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

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LEVEL 01 PLAN - VENTILATION - AREA B

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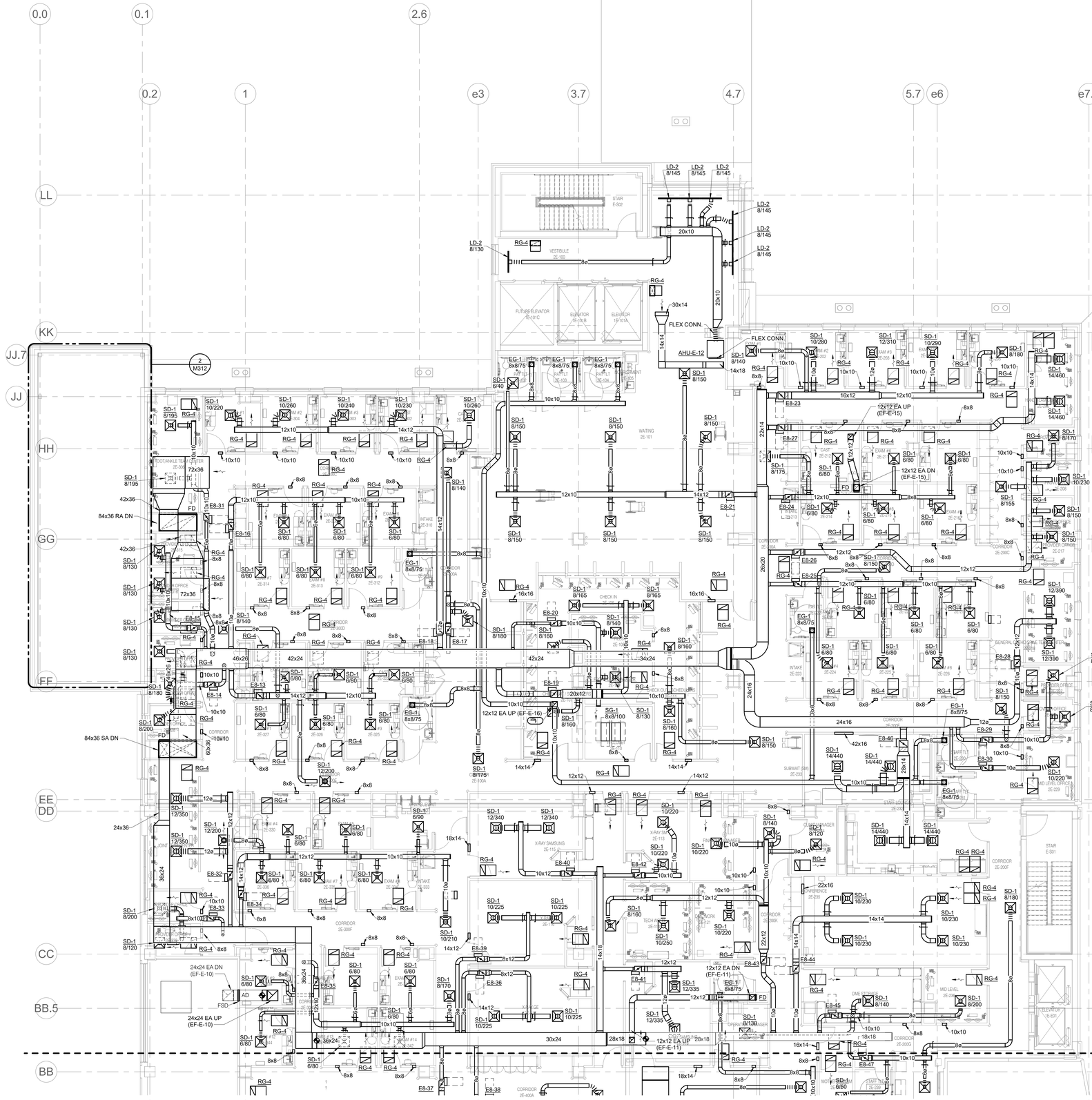

SHEET NOTES:

1. REFER TO SHEET M000 FOR SYMBOLS AND GENERAL NOTES.
2. NOT ALL NEW SUPPLY AIR DUCTWORK IS SHOWN. PROVIDE A MINIMUM OF ONE (1) TYPE SD-1 AIR TERMINAL IN EACH ROOM OR CORRIDOR (EXCEPT TOILET ROOMS), AND PROVIDE FOUR (4) TYPE SD-1 AIR TERMINALS IN EACH PROCEDURE ROOM AND LARGER ROOMS. SIZE ALL AIR TERMINALS TO MEET CODE REQUIREMENTS. PROVIDE NEW SUPPLY AIR DUCTWORK FROM AIR HANDLING UNITS TO TERMINAL AIR BOXES, AND FROM TERMINAL AIR BOXES TO AIR TERMINALS. SIZE NEW SUPPLY AIR DUCTWORK (BOTH UPSTREAM AND DOWNSTREAM OF TERMINAL AIR BOXES) AT A PRESSURE DROP OF 0.07" W.G. PER 100' OF DUCTWORK (EXCEPT BRANCH DUCTS LESS THAN 6 FEET IN LENGTH TO TERMINAL AIR BOXES - CAN MATCH BOX INLET SIZE). PROVIDE MANUAL DAMPER FOR EACH AIR TERMINAL.
3. OUTPATIENT CLINIC AREAS ON LEVELS 02 AND 03 ARE NOT REQUIRED TO HAVE FULLY DUCTED RETURN AIR SYSTEMS. PRESSURE-SENSITIVE SPACES (PROCEDURE ROOMS, ETC.) SHALL HAVE DUCTED EXHAUST, AS DESCRIBED ELSEWHERE IN THESE DOCUMENTS, TO ENSURE PROPER PRESSURIZATION. ALL OTHER SPACES NOT EXHAUSTED SHALL BE RETURNED VIA OPEN RETURN PLENUM ABOVE CEILING. PROVIDE EACH ROOM WITH RETURN AIR TERMINAL WITH LINED BOOT ABOVE CEILING. SIZE AIR TERMINAL FOR FACE VELOCITY NOT TO EXCEED 400 FPM, AND SIZE BOOT SUCH THAT FREE AREA EQUALS 2/3 OF AIR TERMINAL FACE AREA. ALSO PROVIDE EACH ROOM WITH A TRANSFER DUCT THRU WALL ABOVE CEILING TO THE OPEN PLENUM. SIZE TRANSFER DUCTS FOR VELOCITY NOT TO EXCEED 400 FPM.

KEYNOTES: (#)

1. NEW 12"X12" EA DUCT RISER SHALL BE USED TO SERVE EIGHT (8) NEW TOILET ROOMS (75 CFM APIECE) WITHIN NEW ADDITION. PROVIDE TYPE EG-1 AIR TERMINAL WITH 8X8 NECK IN EACH ROOM. PROVIDE EXHAUST AIR DUCTWORK FROM ALL AIR TERMINALS TO THE NEW RISER. SIZE NEW EXHAUST AIR DUCTWORK AT A PRESSURE DROP OF 0.07" W.C. PER 100' OF DUCTWORK. PROVIDE MANUAL DAMPER FOR EACH AIR TERMINAL.

NORTH

1 **LEVEL 02 PLAN - VENTILATION - AREA A**
1/8" = 1'-0"

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

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SHEET NOTES:

1. REFER TO SHEET M000 FOR SYMBOLS AND GENERAL NOTES.
2. NOT ALL NEW SUPPLY AIR DUCTWORK IS SHOWN. PROVIDE A MINIMUM OF ONE (1) TYPE SD-1 AIR TERMINAL IN EACH ROOM OR CORRIDOR (EXCEPT TOILET ROOMS), AND PROVIDE FOUR (4) TYPE SD-1 AIR TERMINALS IN EACH PROCEDURE ROOM AND LARGER ROOMS. SIZE ALL AIR TERMINALS TO MEET CODE REQUIREMENTS. PROVIDE NEW SUPPLY AIR DUCTWORK FROM AIR HANDLING UNITS TO TERMINAL AIR BOXES, AND FROM TERMINAL AIR BOXES TO AIR TERMINALS. SIZE NEW SUPPLY AIR DUCTWORK (BOTH UPSTREAM AND DOWNSTREAM OF TERMINAL AIR BOXES) AT A PRESSURE DROP OF 0.07" W.G. PER 100' OF DUCTWORK (EXCEPT BRANCH DUCTS LESS THAN 6 FEET IN LENGTH TO TERMINAL AIR BOXES - CAN MATCH BOX INLET SIZE). PROVIDE MANUAL DAMPER FOR EACH AIR TERMINAL.
3. OUTPATIENT CLINIC AREAS ON LEVELS 02 AND 03 ARE NOT REQUIRED TO HAVE FULLY DUCTED RETURN AIR SYSTEMS. PRESSURE-SENSITIVE SPACES (PROCEDURE ROOMS, ETC.) SHALL HAVE DUCTED EXHAUST, AS DESCRIBED ELSEWHERE IN THESE DOCUMENTS, TO ENSURE PROPER PRESSURIZATION. ALL OTHER SPACES NOT EXHAUSTED SHALL BE RETURNED VIA OPEN RETURN PLENUM ABOVE CEILING. PROVIDE EACH ROOM WITH RETURN AIR TERMINAL WITH LINED BOOT ABOVE CEILING. SIZE AIR TERMINAL FOR FACE VELOCITY NOT TO EXCEED 400 FPM, AND SIZE BOOT SUCH THAT FREE AREA EQUALS 2/3 OF AIR TERMINAL FACE AREA. ALSO PROVIDE EACH ROOM WITH A TRANSFER DUCT THRU WALL ABOVE CEILING TO THE OPEN PLENUM. SIZE TRANSFER DUCTS FOR VELOCITY NOT TO EXCEED 400 FPM.

KEYNOTES: (#)

1. EXISTING 12"X12" EA DUCT RISER SHALL BE USED TO SERVE NEW SOILED HOLD RM. 2E-428 (150 CFM), NEW JAN RM. 2E-425 (75 CFM), AND FIVE (5) NEW TOILET ROOMS (75 CFM APIECE) WITHIN RENOVATED PORTION OF EXISTING BUILDING. PROVIDE TYPE EG-1 AIR TERMINAL WITH 12X12 NECK IN SOILED ROOM AND 8X8 NECK IN OTHER ROOMS. PROVIDE EXHAUST AIR DUCTWORK FROM ALL AIR TERMINALS TO THE EXISTING RISER. SIZE NEW EXHAUST AIR DUCTWORK AT A PRESSURE DROP OF 0.07" W.C. PER 100' OF DUCTWORK. PROVIDE MANUAL DAMPER FOR EACH AIR TERMINAL.

1 LEVEL 02 PLAN - VENTILATION - AREA B

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1600 BALTIMORE
SUITE 300
KANSAS CITY, MO 64108
P: 816.842.8437
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STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
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EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

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STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
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SHEET NOTES:

1. REFER TO SHEET M000 FOR SYMBOLS AND GENERAL NOTES.
2. NOT ALL NEW SUPPLY AIR DUCTWORK IS SHOWN. PROVIDE A MINIMUM OF ONE (1) TYPE SD-1 AIR TERMINAL IN EACH ROOM OR CORRIDOR (EXCEPT TOILET ROOMS), AND PROVIDE FOUR (4) TYPE SD-1 AIR TERMINALS IN EACH PROCEDURE ROOM AND LARGER ROOMS. SIZE ALL AIR TERMINALS TO MEET CODE REQUIREMENTS. PROVIDE NEW SUPPLY AIR DUCTWORK FROM AIR HANDLING UNITS TO TERMINAL AIR BOXES, AND FROM TERMINAL AIR BOXES TO AIR TERMINALS. SIZE NEW SUPPLY AIR DUCTWORK (BOTH UPSTREAM AND DOWNSTREAM OF TERMINAL AIR BOXES) AT A PRESSURE DROP OF 0.07" W.G. PER 100' OF DUCTWORK (EXCEPT BRANCH DUCTS LESS THAN 6 FEET IN LENGTH TO TERMINAL AIR BOXES - CAN MATCH BOX INLET SIZE). PROVIDE MANUAL DAMPER FOR EACH AIR TERMINAL.
3. OUTPATIENT CLINIC AREAS ON LEVELS 02 AND 03 ARE NOT REQUIRED TO HAVE FULLY DUCTED RETURN AIR SYSTEMS. PRESSURE-SENSITIVE SPACES (PROCEDURE ROOMS, ETC.) SHALL HAVE DUCTED EXHAUST, AS DESCRIBED ELSEWHERE IN THESE DOCUMENTS, TO ENSURE PROPER PRESSURIZATION. ALL OTHER SPACES NOT EXHAUSTED SHALL BE RETURNED VIA OPEN RETURN PLENUM ABOVE CEILING. PROVIDE EACH ROOM WITH RETURN AIR TERMINAL WITH LINED BOOT ABOVE CEILING. SIZE AIR TERMINAL FOR FACE VELOCITY NOT TO EXCEED 400 FPM, AND SIZE BOOT SUCH THAT FREE AREA EQUALS 2/3 OF AIR TERMINAL FACE AREA. ALSO PROVIDE EACH ROOM WITH A TRANSFER DUCT THRU WALL ABOVE CEILING TO THE OPEN PLENUM. SIZE TRANSFER DUCTS FOR VELOCITY NOT TO EXCEED 400 FPM.

KEYNOTES: (#)

1. NEW 20"X20" EA DUCT RISER SHALL BE USED TO SERVE TWO (2) NEW SOILED HOLD ROOMS 3E-144 (130 CFM) AND 3E-210 (200 CFM), TWO (2) NEW CLEAN HOLDING ROOMS 3E-143 (150 CFM) AND 3E-211 (260 CFM), TWO (2) NEW PROCEDURE ROOMS 3E-146 AND 3E-154 (300 CFM APIECE), AND NINE (9) NEW TOILET ROOMS (100 CFM APIECE) WITHIN NEW ADDITION. PROVIDE CEILING EXHAUST AIR TERMINAL IN EACH ROOM. SIZE ALL EXHAUST AIR TERMINALS FOR FACE VELOCITY NOT TO EXCEED 400 FPM. PROVIDE EXHAUST AIR DUCTWORK FROM ALL AIR TERMINALS TO THE NEW RISER. SIZE NEW EXHAUST AIR DUCTWORK AT A PRESSURE DROP OF 0.07" W.C. PER 100' OF DUCTWORK. PROVIDE MANUAL DAMPER FOR EACH AIR TERMINAL.
2. NEW 16"X16" EA DUCT RISER SHALL BE USED TO SERVE ONE (1) NEW GENERAL SURGERY PROCEDURE ROOM 3E-191 (550 CFM), ONE (1) NEW PLASTIC SURGERY PROCEDURE ROOM 3E-202 (550 CFM), AND TWO (2) NEW TOILET ROOMS (100 CFM APIECE) WITHIN NEW ADDITION. PROVIDE CEILING EXHAUST AIR TERMINAL IN EACH ROOM. SIZE ALL EXHAUST AIR TERMINALS FOR FACE VELOCITY NOT TO EXCEED 400 FPM. PROVIDE EXHAUST AIR DUCTWORK FROM ALL AIR TERMINALS TO THE NEW RISER. SIZE NEW EXHAUST AIR DUCTWORK AT A PRESSURE DROP OF 0.07" W.C. PER 100' OF DUCTWORK. PROVIDE MANUAL DAMPER FOR EACH AIR TERMINAL.

LEVEL 03 PLAN - VENTILATION - AREA A

1/8" = 1'-0"

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1600 BALTIMORE
SUITE 300
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P: 816.842.8437
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EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

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LEVEL 03 PLAN - VENTILATION - AREA A

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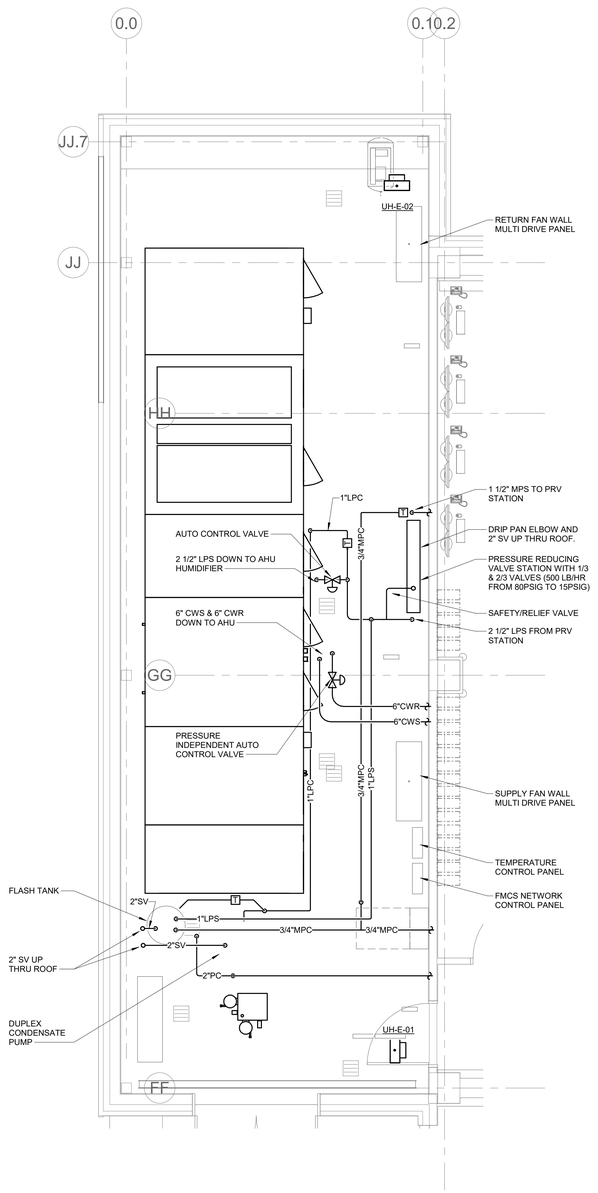
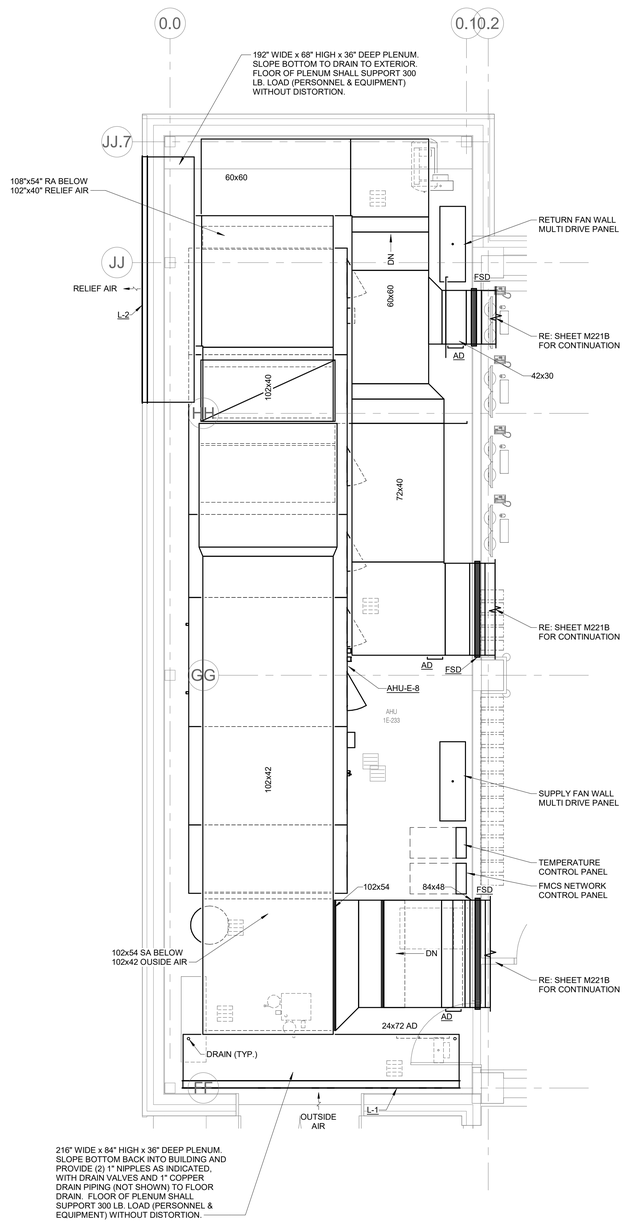
1. REFER TO SHEET M000 FOR SYMBOLS AND GENERAL NOTES.



1 NORTH **LEVEL 01 ENLARGED PLAN - PIPING**
1/4" = 1'-0"



2 NORTH **LEVEL 01 ENLARGED PLAN - VENTILATION**
1/4" = 1'-0"

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As noted on drawings
Development Services Department
Lee's Summit, Missouri
01/16/2024

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023

Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	MJO/MJL/CL
Checked By	MJL/BEH

Revision

Number	Date	Description

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REF. SCALE IN INCHES
PROJECT #210067830.00

M312

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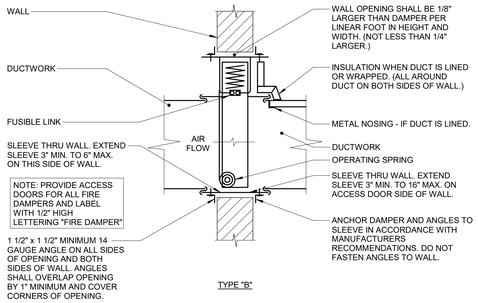
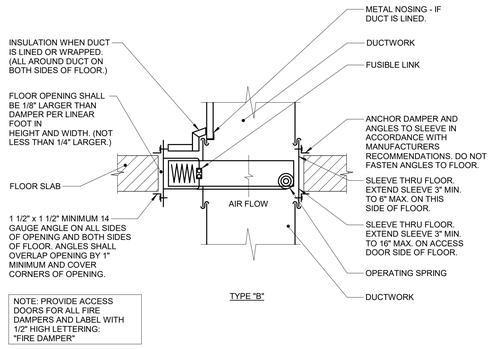
LEVEL 01 PLAN - ENLARGED MECHANICAL ROOM

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/MEP21_210067830.00_SLH-East ASC Addition_C.rvt



1 FIRE DAMPER THRU WALL DETAIL (TYPE B)
NO SCALE



2 FIRE DAMPER THRU FLOOR DETAIL (TYPE B)
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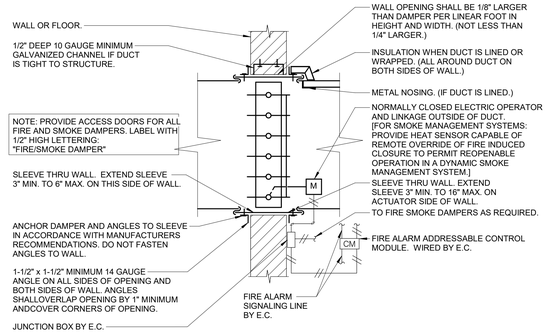
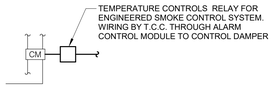
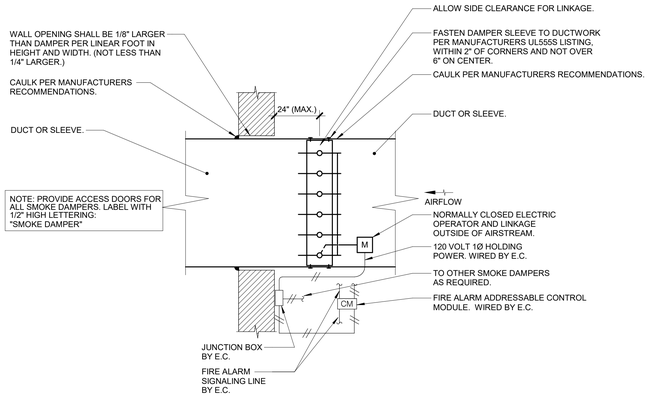


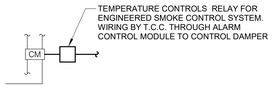


NOTES:

1. CONNECTION OF DAMPER TO SLEEVE SHALL BE AS SHOWN IN FIGURE 1 OF SMACNA "FIRE DAMPER AND HEAT STOP GUIDE FOR AIR HANDLING SYSTEMS", SECOND EDITION.
2. DAMPER CLOSES BY SPRING ACTION IN EVENT OF HIGH TEMPERATURE.
3. FLOOR MOUNTED DAMPER SIMILAR WITH ACTUATOR ON SIDE WITH ACCESS DOOR.
4. WHERE DUCT SMOKE DETECTORS CANNOT BE ACCESSED BY THE DAMPER ACCESS DOOR THE ELECTRICAL CONTRACTOR SHALL FURNISH A DUCT ACCESS DOOR FOR THE DETECTOR. THE MECHANICAL CONTRACTOR SHALL INSTALL THE DOOR IN THE DUCT.
5. SEE FIRE/SMOKE DAMPER WIRING SCHEMATIC DETAIL ON ELECTRICAL DRAWINGS FOR WIRING DETAILS. REFER TO ELECTRICAL DRAWINGS FOR FSD/CM LOCATIONS.

3 COMBINATION FIRE & SMOKE DAMPER (ELECTRIC)
NO SCALE

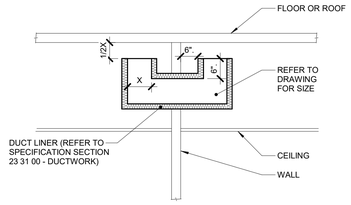




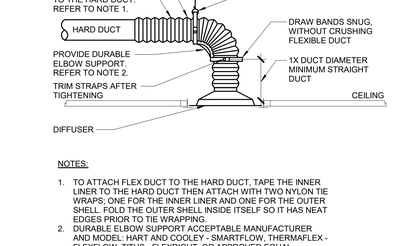
NOTES:

1. SMOKE DAMPER TO BE COMPLETE WITH MOTOR AND LINKAGE.
2. SEE FIRE/SMOKE DAMPER WIRING SCHEMATIC DETAIL ON ELECTRICAL DRAWINGS FOR WIRING DETAILS. REFER TO ELECTRICAL DRAWINGS FOR FSD/CM LOCATIONS.

4 SMOKE DAMPER DETAIL (ELECTRIC)
NO SCALE



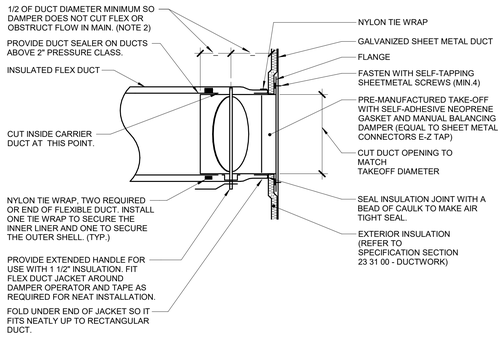
5 TRANSFER DUCT DETAIL (ENDS UP)
NO SCALE



NOTES:

1. TO ATTACH FLEX DUCT TO THE HARD DUCT, TAPE THE INNER LINER TO THE HARD DUCT THEN ATTACH WITH TWO NYLON TIE WRAPS; ONE FOR THE INNER LINER AND ONE FOR THE OUTER SHELL. FOLD THE OUTER SHELL INSIDE ITSELF SO IT HAS NEAT EDGES PRIOR TO TIE WRAPPING.
2. DURABLE ELBOW SUPPORT ACCEPTABLE MANUFACTURER AND MODEL: HART AND COOLEY - SMARTFLOW, THERMAFLEX - FLEXFLOW, TITUS - FLEXRIGHT, OR APPROVED EQUAL.

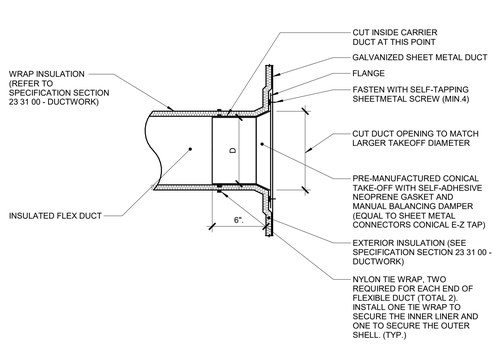
6 DIFFUSER CONNECTION DETAIL (W/ RADIUS FORMING ELBOW)
NO SCALE



7 FLEX DUCT CONNECTION (STRAIGHT/WRAPPED)
NO SCALE

NOTES:

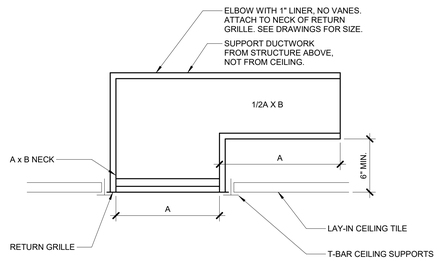
1. THIS DETAIL APPLIES ONLY TO TAPS OFF UNLINED DUCTS.
2. MANUFACTURED TAP/DAMPER COMBINATIONS WITH LESS THAN 1/2 DUCT DIAMETER SPACING BETWEEN THE MAIN DUCT AND THE DAMPER SHAFT ARE ACCEPTABLE ONLY IF THE DAMPER SHAFT IS INSTALLED PARALLEL TO THE AIR FLOW IN THE MAIN DUCT.



8 FLEX DUCT CONNECTION (CONICAL/WRAPPED)
NO SCALE

NOTES:

1. THIS DETAIL APPLIES ONLY TO TAPS OFF UNLINED DUCTS.
2. TAP DOES NOT NEED TO BE CONICAL IF THE TAP IS NOT LOCATED BETWEEN FANS AND TERMINAL AIR BOXES, DUCT IS NOT OVER 2" PRESSURE CLASS, AND ROUND DUCT IS NOT OVER 12" DIAMETER.



NOTES:

1. THIS DETAIL APPLIES TO ALL RG-4 RETURN AIR TERMINALS.

9 CEILING RETURN GRILLE W/BOOT
NO SCALE

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PROJECT #21006783.00

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Lee's Summit, Missouri
01/16/2024

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M400

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MECHANICAL DETAILS

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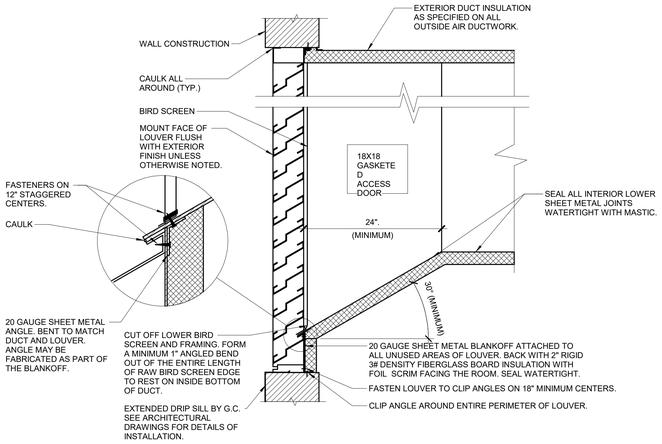
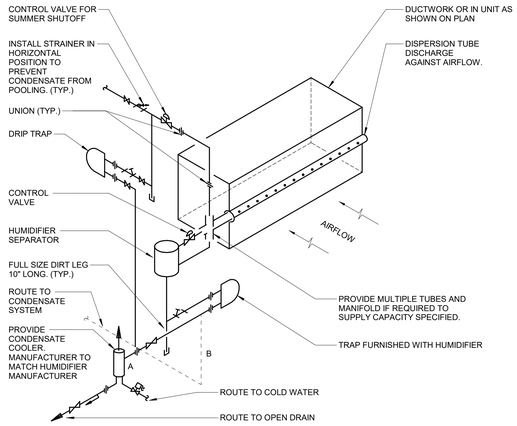


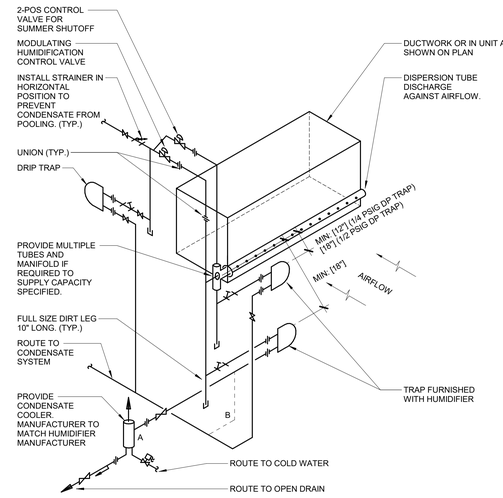
1 LOUVER INSTALLATION DETAIL
NO SCALE

NOTES:

1. SEAL ALL JOING ON BOTTOM INTERIOR SURFACE OF DUCT WITHIN 6'-0" OF THE LOUVER WATER TIGHT.
2. MOUNT BOTTOM OF INTAKE LOUVERS AT LEAST 40" ABOVE GRADE OR ROOF ELEVATION TO MINIMIZE CHANCES OF SNOW DRIFTING INTO THE LOUVER.
3. CAULK SHEETMETAL SCREWS WHERE THE PENETRATE METAL.



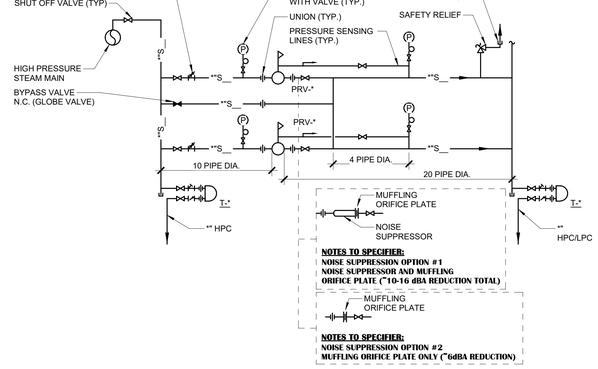
2 HUMIDIFIER (DIRECT INJECTION) PIPING
NO SCALE



3 HUMIDIFIER (DIRECT INJECTION) PIPING PRESSURIZED STEAM - HORIZONTAL MANIFOLD
NO SCALE

4 HUMIDIFIER (DIRECT INJECTION) PIPING PRESSUREIZED STEAM - VERTICAL MANIFOLD
NO SCALE

5 SLOT DIFFUSER MOUNTING DETAIL
NO SCALE

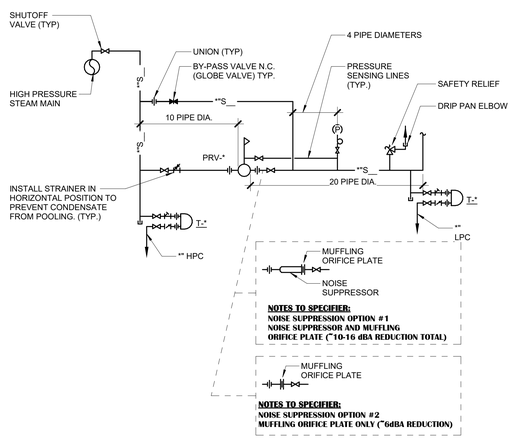


NOTES TO SPECIFIER:
CONSIDER ADDING STEAM SEPARATOR UPSTREAM OF PRV IF REQUIRED BY DESIGN BASIS PRV MANUFACTURER. TRAP SEPARATOR WITH HIGH PRESSURE TRAP.

6 PRESSURE REDUCING STATION (PARALLEL)
NO SCALE

NOTES:

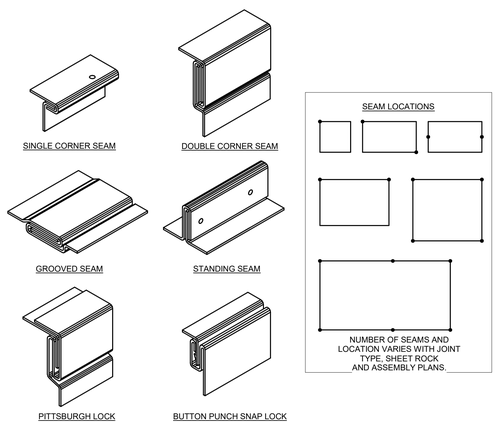
1. CV OF BYPASS VALVE SHALL NOT BE GREATER THAN CV OF LARGEST PRV.
2. PRV'S ARE DESIGNED TO REDUCE 1/3 AND 2/3 OF THE TOTAL STEAM LOAD. THE 2/3 PRV SHALL BE SET 2-3 PSI BELOW THE 1/3 CAPACITY PRV.



7 PRESSURE REDUCING STATION
NO SCALE

NOTES:

1. CV OF BYPASS VALVE SHALL NOT BE GREATER THAN CV OF LARGEST PRESSURE REDUCING STATION.



8 LONGITUDINAL SEAMS - RECTANGULAR DUCT
NO SCALE

NOTES:

1. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

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Development Services Department
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SUITE 300
KANSAS CITY, MO 64108
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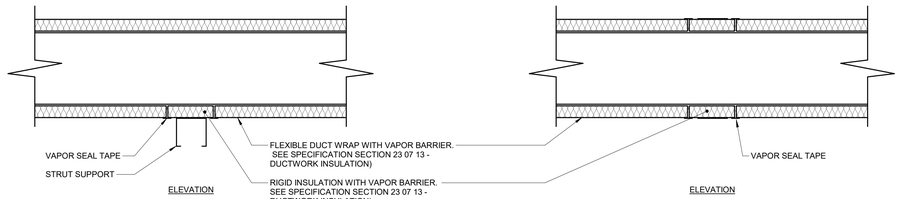
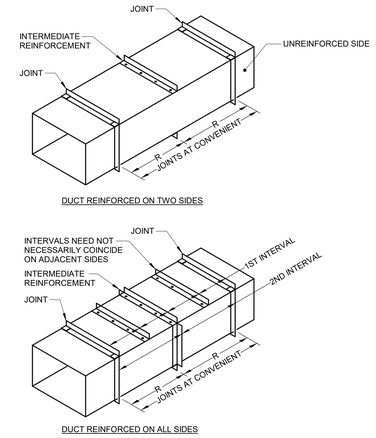


NOTES:

1. DETAIL FOR USE WHERE DUCTS REQUIRE TRAPEZE OR DOUBLE ROD HANGERS (36" DIA. OR EQUIVALENT)

1 TRAPEZE HANGER DUCT WRAP VAPOR SEAL

NO SCALE

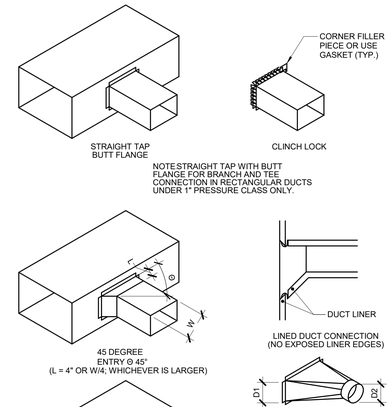


2 DUCT REINFORCEMENT DETAIL

NO SCALE

NOTES:

1. 'R' IS AN ALLOWABLE REINFORCEMENT INTERVAL.
2. TOP AND BOTTOM JOINTS MUST QUALIFY AS REINFORCEMENT
3. DUCT SIZES THAT ARE 19 INCHES (483 mm) AND OVER ARE 20 GAGE (1.00 mm) OR LESS, WITH MORE THAN 10 SQUARE FEET (0.93 SQUARE METER) OF UNBRACED PANEL AREA, SHALL BE CROSSBROKEN OR BEADED UNLESS THEY ARE LINED OR EXTERNALLY INSULATED. DUCTS THAT ARE OF HEAVIER GAGE, SMALLER DIMENSIONS, AND SMALLER PANEL AREA AND THOSE THAT ARE LINED OR EXTERNALLY INSULATED ARE NOT REQUIRED TO HAVE CROSSBREAKING OR BEADING.
4. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

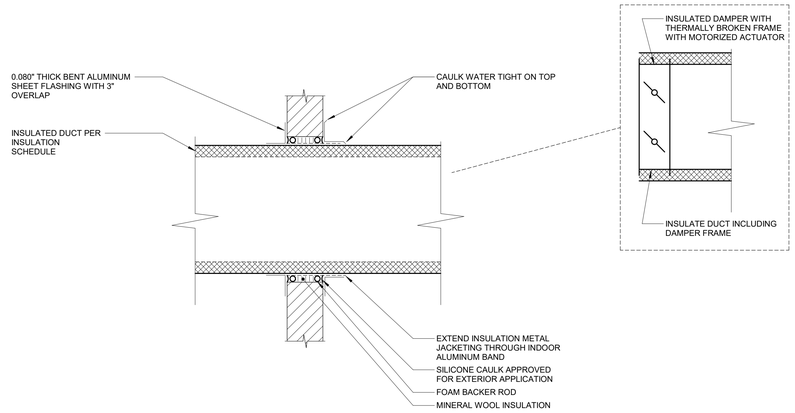


3 BRANCH CONNECTIONS

NO SCALE

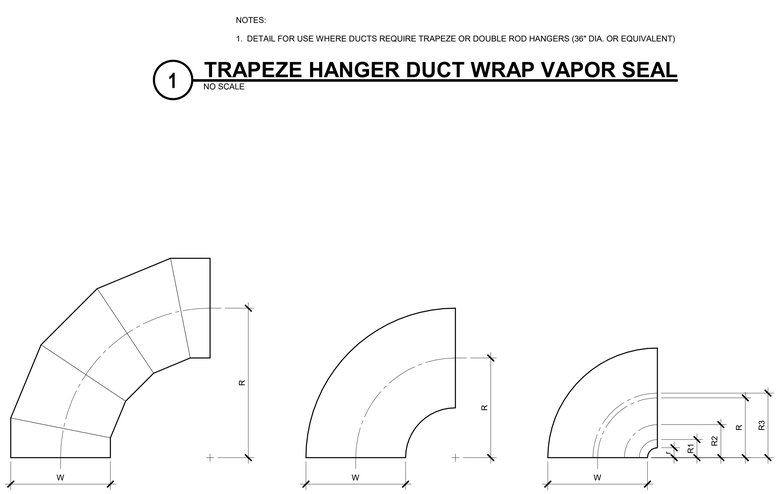
NOTES:

1. DO NOT USE CONNECTIONS WITH SCOOPS.
2. FIT ALL CONNECTIONS TO AVOID VISIBLE OPENINGS AND SECURE THEM SUITABLY FOR THE PRESSURE CLASS.
3. ADDITIONAL MECHANICAL FASTENERS ARE REQUIRED FOR 4"W.G. AND OVER.
4. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.



5 EXTERIOR WALL PENETRATION DETAIL

NO SCALE

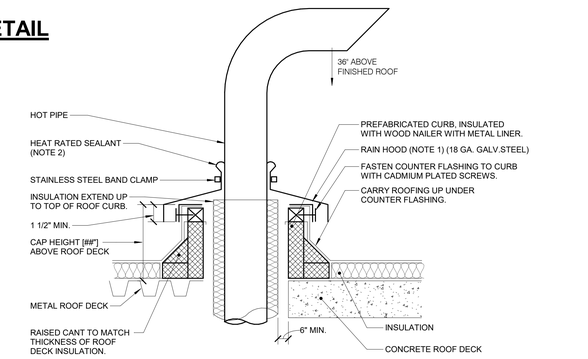


4 ELBOW CONSTRUCTION

NO SCALE

NOTES:

1. BEAD, CROSSBREAK, AND REINFORCE FLAT SURFACES AS IN STRAIGHT DUCT.
2. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. DEFAULT ELBOW SHALL BE TYPE "RE1".
4. ELBOW TYPES SHALL BE INSTALLED AS SHOWN AND NOT BE SUBSTITUTED WITHOUT PERMISSION. EXCEPTION: RE1 OR RE3 MAY BE SUBSTITUTED FOR RE2.



6 ROOF PENETRATION - INSULATED HOT PIPE - BUILT UP ROOF

NO SCALE

NOTES:

1. MAINTAIN A MINIMUM 1" CLEARANCE ABOVE FLASHING COLLAR TO ALLOW FOR VENTILATION OF HEAT.
2. SEALANT GOOD TO 250° ALL TEMPS HIGHER SHALL BE SOLDER OR BRAZED.

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1600 BALTIMORE
SUITE 300
KANSAS CITY, MO 64108
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M402

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MECHANICAL DETAILS

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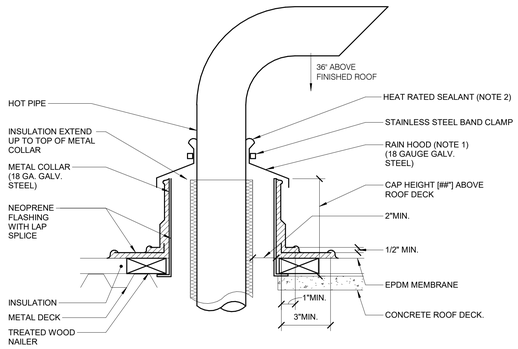
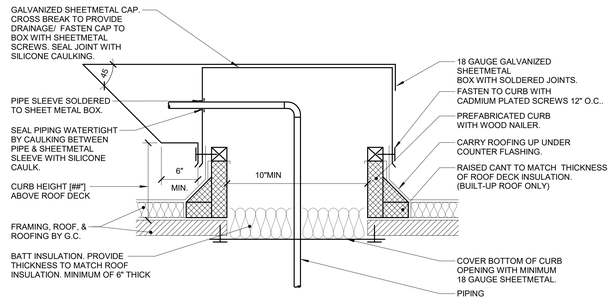


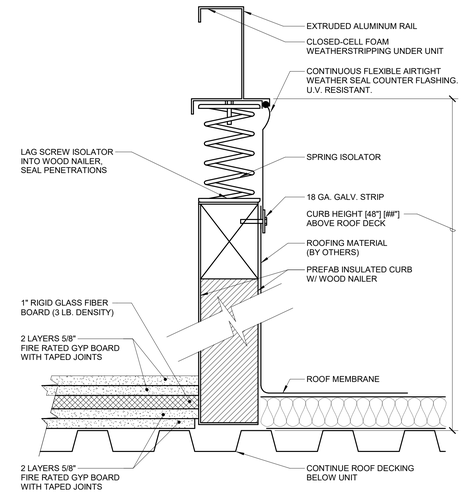
1 ROOF PENETRATION - INSULATED HOT PIPE - MEMBRANE ROOF
NO SCALE

NOTES:

1. MAINTAIN A MINIMUM 1" CLEARANCE ABOVE FLASHING COLLAR TO ALLOW FOR VENTILATION OF HEAT.
2. SEALANT GOOD TO 250° ALL TEMPS HIGHER SHALL BE SOLDER OR BRAZED.



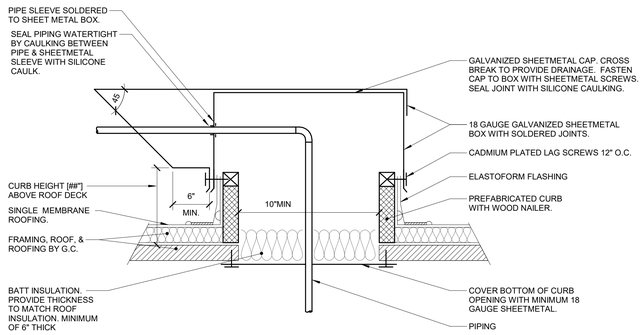
2 ROOF PENETRATION - INSULATED PIPE HOUSING - BUILT UP ROOF
NO SCALE



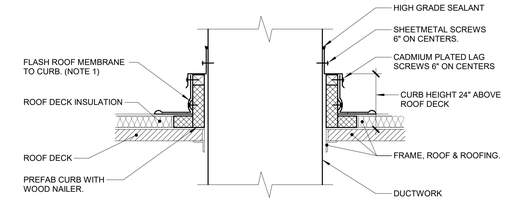
3 ROOF SUPPORT - ROOF TOP UNIT ISOLATOR CURB
NO SCALE

NOTES:

1. PROVIDE ACOUSTICAL TREATMENT ON ROOF DECK BELOW ROOF TO UNIT (INSIDE OF CURB) AS DETAILED ABOVE.



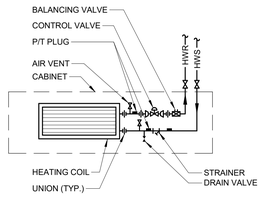
4 ROOF PENETRATION - INSULATED PIPE HOUSING - MEMBRANE ROOF
NO SCALE



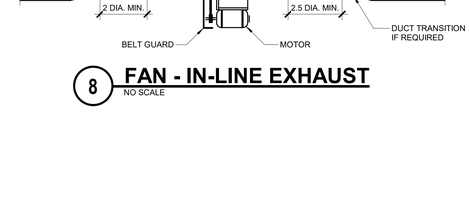
5 DUCT ROOF PENETRATION (MEMBRANE ROOF)
NO SCALE

NOTES:

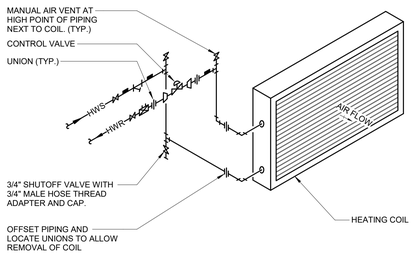
1. ALL ROOF FLASHING SHALL BE PER ROOF MANUFACTURER'S RECOMMENDATIONS.



6 CABINET HEATER - 2-PIPE PIPING DIAGRAM
NO SCALE



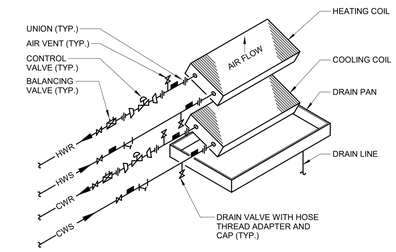
8 FAN - IN-LINE EXHAUST
NO SCALE



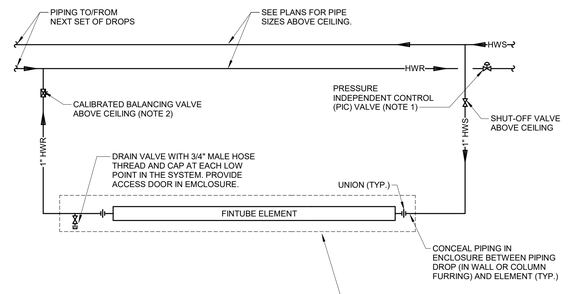
7 COIL - HOT WATER PIPING DIAGRAM W/2-WAY VALVE
NO SCALE

NOTES:

1. SEE SPECIFICATION SECTION 23 21 00 - HYDRONIC PIPING FOR BALANCE VALVE SIZING REQUIREMENTS.



9 FAN COIL UNIT - 4-PIPE PIPING DIAGRAM
NO SCALE



10 FINTUBE RADIATION CONNECTION DETAILS
NO SCALE

DETAIL NOTES:

1. EACH ZONE OF TEMPERATURE CONTROL SHALL HAVE ONE (1) PIC VALVE BUT MAY HAVE MULTIPLE PIPING DROPS/SETS OF ELEMENTS PIPED IN PARALLEL. REFER TO PLANS FOR QUANTITY AND LOCATIONS OF PIC VALVES AND NUMBER OF PIPING DROPS/SETS OF ELEMENTS ON EACH PIC VALVE.
2. EACH PIPING DROP/SET OF ELEMENTS SHALL HAVE ONE (1) CALIBRATED BALANCING VALVE. BALANCE TO 3 GPM.
3. FURNISH FINTUBE ENCLOSURES SO THEY ARE CONTINUOUS FROM WALL/COLUMN TO WALL/COLUMN. FURNISH INSIDE CORNER PIECES AND CLOSURE PIECES AS REQUIRED. ALSO FURNISH ACCESS DOOR FOR EACH DRAIN VALVE.

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0 1 2 3
REF. SCALE IN INCHES
PROJECT #21006783.00

RELEASED FOR CONSTRUCTION
As noted on drawings
Missouri Department Services Department
City of Summit, Missouri
01/16/2024

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	MJO/MJL/CL
Checked By	MJL/BEH

Revision

Number	Date	Description

M403

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MECHANICAL DETAILS

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/MEP21_21006783.00_SLH-East ASC Addition_C.rvt

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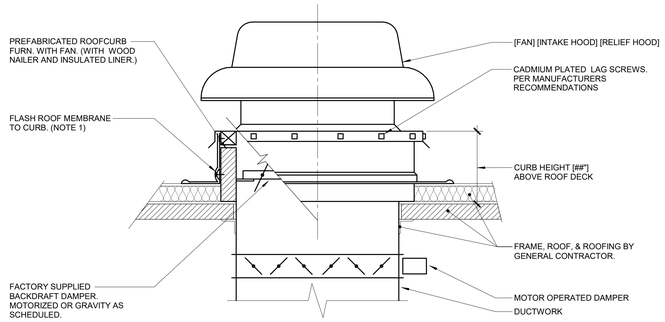
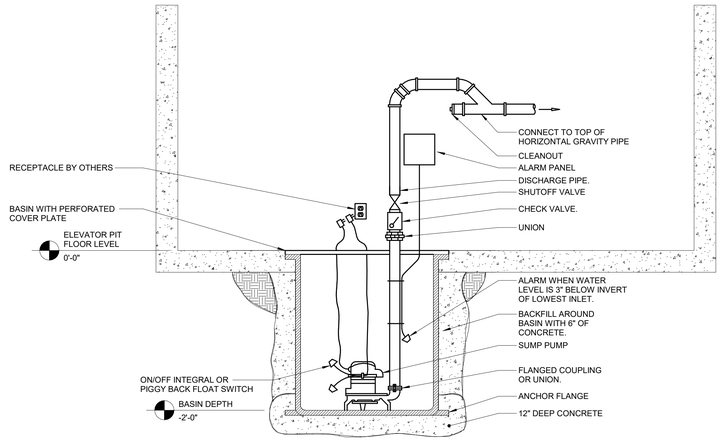


1 ROOF SUPPORT - FAN/HOOD CURB 4

NO SCALE

NOTES:

1. ALL ROOF FLASHING SHALL BE PER ROOFING MANUFACTURERS RECOMMENDATIONS.

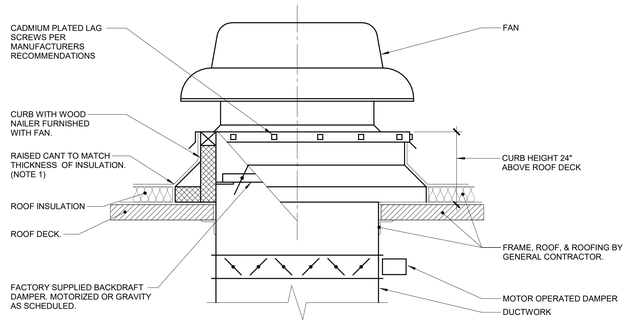


2 ELEVATOR PIT SUMP PUMP DETAIL (PLUG IN)

NO SCALE

NOTES:

1. SUMP PUMPS THAT DISCHARGE TO STORM SHALL BE INSTALLED WITH THE TOP OF THE SUMP BASIN 2" ABOVE FLOOR LEVEL A 2" HIGH X4" WIDE CONCRETE CURB AROUND THE PERIMETER OF THE BASIN LID MAY BE USED IN LIEU OF RAISING THE ENTIRE SUMP BASIN.

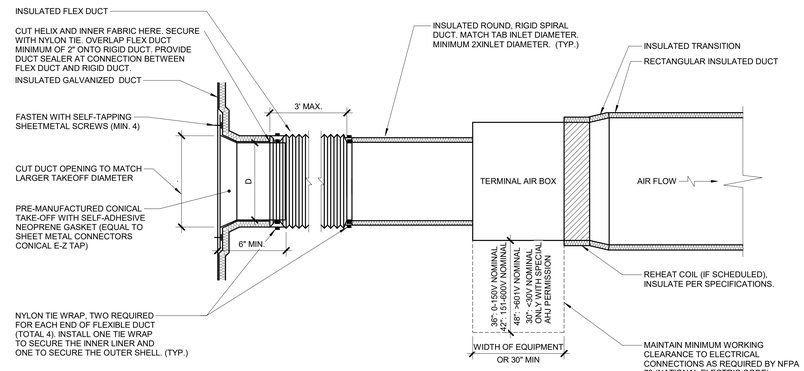


3 ROOF SUPPORT - FAN/HOOD CURB 3

NO SCALE

NOTES:

1. ALL ROOF FLASHING SHALL BE PER ROOFING MANUFACTURERS RECOMMENDATIONS.

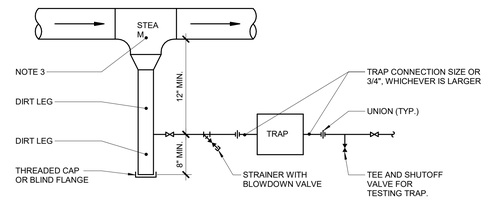


4 TERMINAL AIR BOX - SINGLE DUCT - WRAPPED

NO SCALE

NOTES:

1. THIS DETAIL APPLIES ONLY TO TAPS OFF WRAPPED DUCTS.
2. THIS DETAIL APPLIES TO TERMINAL AIR BOXES WITH ROUND INLETS AND RECTANGULAR OUTLETS.
3. DUCT LEADING TO TAB INLET MUST BE STRAIGHT FOR 1.5 DIAMETER UPSTREAM.
4. MAINTAIN VAPOR BARRIER FROM MAIN TO BRANCH DUCT.



5 STEAM MAIN DRIP CONNECTION

NO SCALE

NOTES:

1. DRIP AND DIRT LEGS SHALL BE AT LEAST TWICE THE DIAMETER OF THE TRAP INLET.
2. INSTALL LEGS OF STRAINERS IN HORIZONTAL POSITION TO MINIMIZE CONDENSATE HOLDING.
3. TEE SHALL BE FILL SIZE FOR 4" AND SMALLER MAINS, 4" FOR 5" AND 6" MAINS AND 1/2 OF MAIN DIAMETER FOR LARGER MAINS.
4. LOCATE DRIP TRAPS AT 300 FOOT MAXIMUM INTERVALS AND UPSTREAM OF ALL EXPANSION DEVICES, BRANCH CONNECTIONS OR CONTROL VALVES.

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0 1 2 3
REF. SCALE IN INCHES PROJECT #21006783.00

RELEASED FOR CONSTRUCTION
As noted on drawings
Missouri Department of Economic Development Services Department
Lee's Summit, Missouri
01/16/2023

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023

Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
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Missouri: #000958

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Revision

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M404

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MECHANICAL DETAILS

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/MEP21_21006783.00_SLH-East ASC Addition_C.rvt

RELEASED FOR CONSTRUCTION
As Noted on Drawings
Missouri Department of Transportation Services Department
Jefferson City, Missouri
01/16/2024

STATE OF MISSOURI
BRUCE ELDON HART
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1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
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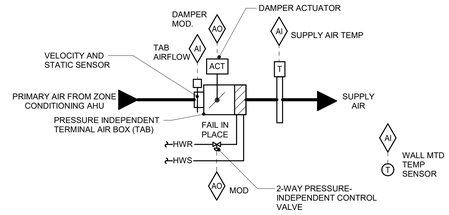
CONTROL SYMBOL LIST

NOT ALL SYMBOLS MAY APPLY.

SYMBOL:	DESCRIPTION:
CR	CONDENSER WATER RETURN
CS	CONDENSER WATER SUPPLY
CS15	CLEAN STEAM - NUMBER INDICATES PRESSURE IN PSIG.
CWR	CHILLED WATER RETURN
CWS	CHILLED WATER SUPPLY
GWR	GLYCOL WATER RETURN
GWS	GLYCOL WATER SUPPLY
HCR	HEATING/CHILLED WATER RETURN
HCS	HEATING/CHILLED WATER SUPPLY
HPC	HIGH PRESSURE CONDENSATE
HPS	HIGH PRESSURE STEAM
HWR	HEATING WATER RETURN
HWS	HEATING WATER SUPPLY
LPC	LOW PRESSURE CONDENSATE
LPS	LOW PRESSURE STEAM
LWR	LOOP WATER RETURN
LWS	LOOP WATER SUPPLY
PC	PUMPED CONDENSATE
RWR	REHEAT WATER RETURN
RWS	REHEAT WATER SUPPLY
VAC	LAB VACUUM
	CONTROL VALVE (THREE-WAY)
	CONTROL VALVE (TWO-WAY)
	SOLENOID VALVE
	CHECK VALVE
T	THERMOSTAT
T	THERMOSTAT/SENSOR WITH HEAVY DUTY ENCLOSURE
	TEMPERATURE SENSOR (DUCT MOUNTED)
T	TEMPERATURE SENSOR WITH WELL
T	THERMOMETER WITH WELL (DIAL TYPE)
	THERMOMETER WITH WELL (FILLED TYPE)
T	AVERAGING TEMPERATURE SENSOR
T	LOW LIMIT TEMPERATURE SWITCH
T	PROBE TEMPERATURE SENSOR
P	PRESSURE SENSOR (FURNISHED WITH BALL VALVE)
P	PRESSURE GAUGE (FURNISHED WITH BALL VALVE)
	DIFFERENTIAL PRESSURE SENSOR
	PRESSURE SENSOR (DUCT MOUNTED)
SP	STATIC SWITCH

AI	ANALOG INPUT	DI	DIGITAL INPUT
AO	ANALOG OUTPUT	DO	DIGITAL OUTPUT
FM	FLOW METER	H	HUMIDISTAT SENSOR
F	FLOW SWITCH	H	HUMIDISTAT / SENSOR
FS	FLOW SENSOR	H	HUMIDITY SENSOR (DUCT MOUNTED)
FS	AIR FLOW SWITCH	C	CARBON MONOXIDE SENSOR
FM	DUCT FLOW METER	C 2	CARBON DIOXIDE SENSOR
H	HUMIDIFIER	C	CARBON MONOXIDE SENSOR (DUCT MOUNTED)
DSD	DUCT SMOKE DETECTOR	C 2	CARBON DIOXIDE SENSOR (DUCT MOUNTED)
	HEATING/ COOLING COIL		FILTER
	AIR BLENDER		TERMINAL AIR BOX
	MANUAL MOTOR STARTER W/THERMAL OVERLOAD		TERMINAL AIR BOX W/ REHEAT
	FAN	O	OCCUPANCY SENSOR
MTR	MOTOR	S	SENSOR
R	CONTACTOR		ACTUATOR
	PUMP		DOOR SWITCH
			DIFFERENTIAL PRESSURE SWITCH
			CURRENT SWITCH
			VIBRATION SWITCH
			NORMALL CLOSED CONTACT
			NORMALLY OPEN CONTACT
			OPPOSED BLADE DAMPER
			PARALLEL BLADE DAMPER



SEQUENCE OF OPERATION:

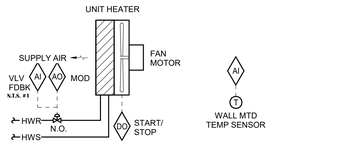
- FMCS TAB CONTROLLER SHALL MODULATE THE TAB DAMPER AND TAB HEATING WATER REHEAT COIL TO MAINTAIN SPACE SETPOINT BASED ON A SIGNAL FROM A WALL MOUNTED TEMPERATURE SENSOR.
- AT FULL COOLING, THE TAB SHALL BE OPEN TO MAXIMUM CFM POSITION. THE REHEAT COIL CONTROL VALVE SHALL BE CLOSED.
- UPON A FALL IN SPACE TEMPERATURE, THE TAB SHALL MODULATE CLOSED UNTIL SPACE SETPOINT IS MAINTAINED, OR UNTIL IT REACHES ITS MINIMUM SCHEDULED CFM POSITION THE REHEAT COIL CONTROL VALVE SHALL BE CLOSED.
- UPON A FURTHER FALL IN SPACE TEMPERATURE, THE REHEAT COIL CONTROL VALVE SHALL MODULATE OPEN TO MAINTAIN SPACE SETPOINT UNTIL THE SUPPLY AIR TEMPERATURE IS 20°F ABOVE ROOM TEMPERATURE SETPOINT.
- UPON A FURTHER FALL IN SPACE TEMPERATURE, TAB SHALL OPEN TO MAINTAIN SETPOINT UNTIL TAB AIRFLOW REACHES ITS MAXIMUM HEATING SETTING. THE REHEAT CONTROL VALVE SHALL CONTINUE TO MODULATE OPEN TO MAINTAIN MAXIMUM DELTA T LISTED ABOVE.
- THE FMCS OPERATOR SHALL HAVE THE ABILITY TO ADJUST, OVERRIDE, AND DISPLAY TEMPERATURES AND SET POINTS FROM THE EXISTING FMCS WORKSTATION.

ALARMS, INTERLOCKS & SAFETIES:

SEND AN ALARM TO THE FMCS OPERATOR INTERFACE IF THE SPACE TEMPERATURE IS MORE THAN 10°F (ADJ.) ABOVE OR BELOW SETPOINT.

1 TAB CONTROL W/ HOT WATER REHEAT

NO SCALE



SEQUENCE OF OPERATION:

WHEN THE OUTDOOR AIR TEMPERATURE IS ABOVE 40°F (ADJ.), TEMPERATURE SENSOR SHALL MODULATE THE CONTROL VALVE AND CYCLE THE UNIT FAN TOGETHER TO MAINTAIN A SPACE TEMPERATURE OF 70°F (ADJ.).

WHEN THE OUTDOOR AIR TEMPERATURE IS BELOW 40°F (ADJ.), TEMPERATURE SENSOR SHALL MODULATE THE CONTROL VALVE TO MAINTAIN A SPACE TEMPERATURE OF 70°F (ADJ.) AND THE UNIT FAN SHALL RUN CONTINUOUSLY.

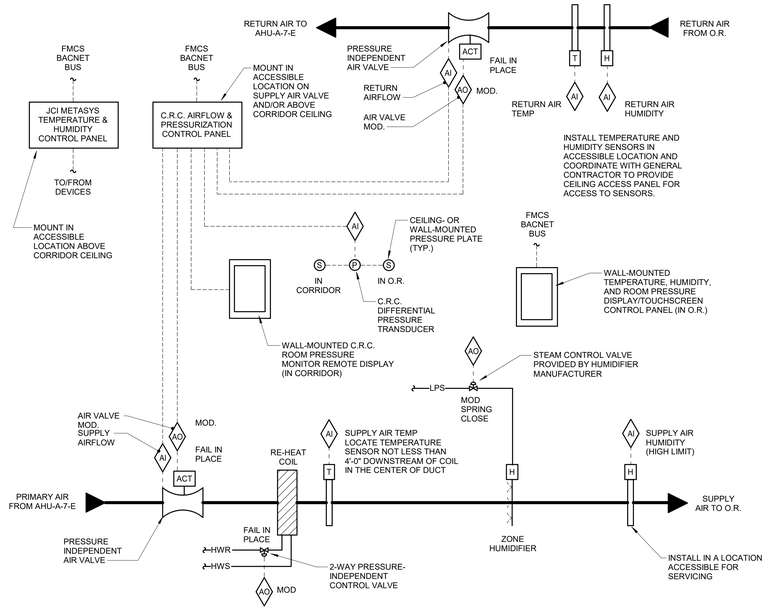
IN LOCATIONS WITH MULTIPLE UNIT HEATERS, STAGE THE UNIT HEATERS ON/OFF BY SETTING INDIVIDUAL TEMPERATURE SENSORS 2°F APART.

ALARMS, INTERLOCKS & SAFETIES:

SEND AN ALARM TO THE FMCS OPERATOR INTERFACE IF SPACE TEMPERATURE FALLS 10°F (ADJ.) BELOW SETPOINT.

4 UNIT HEATER CONTROL - HYDRONIC

NO SCALE



SEQUENCE OF OPERATION:

AIRFLOW AND PRESSURIZATION CONTROL:

- THE C.R.C. AIRFLOW & PRESSURIZATION CONTROLS SHALL MODULATE THE SUPPLY AIR VALVE TO MAINTAIN THE SUPPLY AIRFLOW SETPOINT.
- THE C.R.C. CONTROLS SHALL ALSO MODULATE THE RETURN AIR VALVE AS REQUIRED TO MAINTAIN A FIXED CFM OFFSET BETWEEN THE SUPPLY & RETURN AIRFLOW RATES, AS NEEDED TO MAINTAIN THE OPERATING ROOM AT A MINIMUM POSITIVE DIFFERENTIAL PRESSURE OF 0.012" W.G., RELATIVE TO THE ADJACENT STERILE CORRIDOR.
- THE C.R.C. CONTROLS SHALL DISPLAY THE ROOM PRESSURE ON THE WALL-MOUNTED C.R.C. ROOM PRESSURE MONITOR REMOTE DISPLAY. ADDITIONALLY, IF THE ROOM PRESSURE MINIMUM IS MET OR EXCEEDED, THE SCREEN ON THE ROOM PRESSURE MONITOR REMOTE DISPLAY SHALL BE GREEN. IF THE ROOM PRESSURE DROPS BELOW 0.01" W.G. FOR GREATER THAN 90 SECONDS (ADJ.), THE SCREEN ON THE REMOTE DISPLAY SHALL TURN RED, AND THE ROOM PRESSURE MONITOR SHALL SIGNAL A LOCAL, AUDIBLE ALARM.
- THE C.R.C. CONTROLS SHALL BE INTEGRATED INTO THE JCI METASYS FMCS VIA THE BACNET BUS. THE FMCS OPERATOR SHALL HAVE THE ABILITY TO ADJUST, OVERRIDE, AND DIPLAY AIRFLOW SETPOINTS, THE OFFSET VALUE, ACTUAL AIRFLOW RATES, AND THE ROOM PRESSURE VALUE FROM THE EXISTING FMCS WORKSTATION.

TEMPERATURE & HUMIDITY CONTROL:

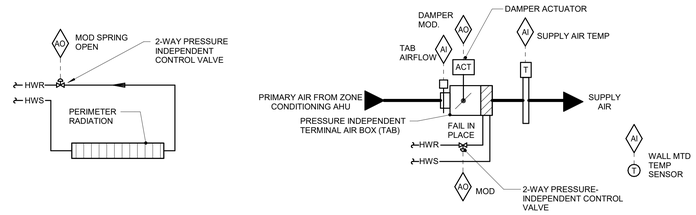
- THE JCI METASYS TEMPERATURE & HUMIDITY CONTROL PANEL SHALL MODULATE THE REHEAT COIL CONTROL VALVE TO MAINTAIN SPACE TEMPERATURE SETPOINT BASED ON A SIGNAL FROM A DUCT-MOUNTED RETURN AIR TEMPERATURE SENSOR.
- IF AIRFLOW IS PRESENT, THE METASYS CONTROLS SHALL MODULATE THE ZONE HUMIDIFIER CONTROL VALVE TO MAINTAIN THE SPACE HUMIDITY SETPOINT OF 35% R.H. (ADJ.), BASED ON A SIGNAL FROM A DUCT-MOUNTED RETURN AIR HUMIDITY SENSOR.
- THE HIGH LIMIT CONTROL SHALL OVERRIDE THE HUMIDIFIER CONTROL VALVE TO PREVENT THE SUPPLY AIR HUMIDITY FROM EXCEEDING 85% R.H.
- THE RETURN AIR TEMPERATURE, THE RETURN AIR HUMIDITY, AND THE ROOM PRESSURE (AS READ FROM THE C.R.C. CONTROLS DESCRIBED ABOVE) SHALL BE DISPLAYED ON THE WALL-MOUNTED TEMPERATURE, HUMIDITY, AND ROOM PRESSURE DISPLAY/TOUCHSCREEN CONTROL PANEL.
- ADDITIONALLY, THE SPACE TEMPERATURE SETPOINT SHALL BE ADJUSTBLE VIA THAT TOUCHSCREEN.
- THE FMCS OPERATOR SHALL HAVE THE ABILITY TO ADJUST, OVERRIDE, AND DISPLAY THE SPACE TEMPERATURE & HUMIDITY SET POINTS, THE ACTUAL SUPPLY AIR & RETURN AIR TEMPERATURES, AND THE ACTUAL RETURN AIR HUMIDITY, FROM THE EXISTING FMCS WORKSTATION.

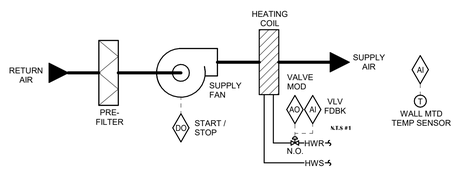
ALARMS, INTERLOCKS & SAFETIES:

- SEND AN ALARM TO THE FMCS OPERATOR INTERFACE IF THE SPACE/RETURN AIR TEMPERATURE IS MORE THAN 10°F (ADJ.) ABOVE OR BELOW SETPOINT.
- SEND AN ALARM TO THE FMCS OPERATOR INTERFACE IF THE SPACE/RETURN AIR HUMIDITY IS MORE THAN 15% RH (ADJ.) BELOW SETPOINT.
- SEND AN ALRM TO THE FMCS OPERATOR INTERFACE IF THE SUPPLY AIRFLOW RATE IS MORE THAN 10% (ADJ.) BELOW SETPOINT.
- SEND AN ALARM TO THE FMCS OPERATOR INTERFACE IF THE ROOM PRESSURE DROPS BELOW 0.01" W.G. FOR GREATER THAN 90 SECONDS (ADJ.).
- ALL FAULTS SHALL BE LOGGED ON THE FMCS.

2 OPERATING ROOM PRESSURE, TEMPERATURE, AND HUMIDITY CONTROL DIAGRAM

NO SCALE





SEQUENCE OF OPERATION:

THE CABINET HEATER SHALL BE FURNISHED WITH A UNIT MOUNTED FAN SPEED SELECTOR SWITCH (OFF-HIGH-MED-LOW). THE UNIT SHALL MAINTAIN A SPACE TEMPERATURE OF NO MORE THAN 60°F **[NTS: ASHRAE 90.1-2013 VESTIBULE REQUIREMENT].**

WHEN THE OUTDOOR AIR TEMPERATURE IS ABOVE 45°F, THE CONTROL VALVE SHALL BE CLOSED AND THE FAN SHALL STOP **[NTS: ASHRAE 90.1-2013 VESTIBULE REQUIREMENT].**

WHEN THE OUTDOOR AIR TEMPERATURE IS BELOW 45°F, THE FMCS SHALL MODULATE THE CONTROL VALVE TO MAINTAIN SETPOINT AND THE FAN SHALL RUN CONTINUOUSLY.

ALARMS, INTERLOCKS & SAFETIES:

- SEND AN ALARM TO THE FMCS OPERATOR INTERFACE IF SPACE TEMPERATURE FALLS 10°F (ADJ.) BELOW SETPOINT.

5 CABINET HEATER CONTROL - HYDRONIC

NO SCALE

SEQUENCE OF OPERATION:

- FMCS TAB CONTROLLER SHALL MODULATE THE TAB DAMPER, TAB HEATING WATER REHEAT COIL, AND PERIMETER RADIATION CONTROL VALVE(S) TO MAINTAIN SPACE SETPOINT BASED ON A SIGNAL FROM A WALL MOUNTED TEMPERATURE SENSOR. SEE DRAWINGS FOR TEMPERATURE SENSOR REQUIREMENTS.
- AT FULL COOLING, THE TAB SHALL BE OPEN TO MAXIMUM CFM POSITION. THE REHEAT COIL CONTROL VALVE AND PERIMETER RADIATION CONTROL VALVE SHALL BE CLOSED.
- UPON A FALL IN SPACE TEMPERATURE, THE TAB SHALL MODULATE CLOSED UNTIL SPACE SETPOINT IS MAINTAINED, OR UNTIL IT REACHES ITS MINIMUM SCHEDULED CFM POSITION (MATCH MINIMUM CFM POSITION OF THE OLD CONTROLLER.) THE REHEAT COIL CONTROL VALVE AND PERIMETER RADIATION CONTROL VALVE SHALL BE CLOSED.
- AS SPACE TEMP DROPS BELOW SETPOINT AND TAB DAMPER IS AT MINIMUM SCHEDULED CFM, TAB CONTROLLER SHALL MODULATE THE PERIMETER RADIATION CONTROL VALVE OPEN AS REQUIRED TO MAINTAIN SPACE TEMP.
- UPON A FURTHER FALL IN SPACE TEMPERATURE, THE REHEAT COIL CONTROL VALVE SHALL MODULATE OPEN TO MAINTAIN SPACE SETPOINT UNTIL THE SUPPLY AIR TEMPERATURE IS 20°F ABOVE ROOM TEMPERATURE SETPOINT.
- UPON A FURTHER FALL IN SPACE TEMPERATURE, TAB SHALL OPEN TO MAINTAIN SETPOINT UNTIL TAB AIRFLOW REACHES ITS MAXIMUM HEATING SETTING. THE REHEAT CONTROL VALVE SHALL CONTINUE TO MODULATE OPEN TO MAINTAIN MAXIMUM DELTA T LISTED ABOVE.
- THE FMCS OPERATOR SHALL HAVE THE ABILITY TO ADJUST, OVERRIDE, AND DISPLAY TEMPERATURES AND SET POINTS FROM THE EXISTING FMCS WORKSTATION.

ALARMS, INTERLOCKS & SAFETIES:

SEND AN ALARM TO THE FMCS OPERATOR INTERFACE IF THE SPACE TEMPERATURE IS MORE THAN 10°F (ADJ.) ABOVE OR BELOW SETPOINT.

3 TAB CONTROL W/ HOT WATER REHEAT AND PERIMETER RADIATION

NO SCALE

TEMPERATURE CONTROL GENERAL NOTES:

1. REFER TO EQUIPMENT SCHEDULES TO CROSS REFERENCE WHICH CONTROL DIAGRAMS APPLY TO WHICH ITEMS OF EQUIPMENT. REFER TO TERMINAL AIR BOX (TAB) SCHEDULES FOR TEMP SENSOR REQUIREMENTS FOR EACH TAB.
2. EACH D.I., D.O., A.I. AND A.O. POINT SHOWN FOR ALL CONTROL DIAGRAMS SHALL BE DISCRETE FROM ALL OTHER POINTS EXCEPT AS SPECIFICALLY NOTED.
3. ALL WIRING, CONTROL COMPONENTS, DEVICES AND PROGRAMMING SHOWN ON THESE CONTROL DRAWINGS SHALL BE PROVIDED BY THE TCC UNLESS SPECIFICALLY NOTED OTHERWISE.
4. TEMPERATURE CONTROL CABLING, CONDUIT, BOXES, IDENTIFICATION: REFER TO THE SPECIFICATIONS FOR A COMPLETE LIST OF REQUIREMENTS. THE FOLLOWING SCHEDULE IS PROVIDED AS A CONVENIENCE. REFER TO SECTION **23 09 00** AND **DIV 26** FOR ADDITIONAL DETAILED REQUIREMENTS.
   A. CABLE/WIRE JACKET COLOR: **GREY**
   B. CONDUIT BOX COLOR ABOVE FINISHED CEILINGS AND UNFINISHED SPACES WITHOUT CEILINGS: GREY
   C. CONDUIT BOX COLOR IN SPACES WITH EXPOSED FINISHED STRUCTURE: GREY
   D. CABLE/WIRE INSTALLATION: IN CONDUIT WHEN CONCEALED IN WALLS AND OTHER ASSEMBLIES. PLENUM-RATED CABLE SHALL BE USED ABOVE FINISHED ACCESSIBLE CEILINGS, INDEPENDENTLY SUPPORTED FROM OTHER SYSTEM CABLING/WIRE EVERY 4 FT WITH BRIDAL RINGS AND CABLE SADDLES. ALL CABLING SHALL BE IN CONDUIT IN SPACES WITH EXPOSED FINISHED STRUCTURE.
5. ALL ACTUATORS SHALL BE OF THE ELECTRICAL TYPE FOR THIS PROJECT UNLESS AN ACTUATOR IS SPECIFICALLY INDICATED ON THE DRAWINGS OR SPECIFICATIONS TO BE PNEUMATIC.
6. ALL MODULATING DAMPER AND VALVE ACTUATORS SHOWN WITH POSITION FEEDBACK SHALL HAVE THE VALVE POSITION DISPLAYED ON GRAPHICAL SCREEN ADJACENT TO THE DAMPER/VALVE COMMAND SIGNAL. DISPLAYED VALVE POSITION SHALL BE FROM THE FEEDBACK DEVICE/CIRCUIT (OUTPUT SIGNAL FROM THE FMCS TO THE ACTUATOR IS NOT ACCEPTABLE)
7. MODULATING SIGNALS SHALL BE DISPLAYED AS % OPEN (SIGNALS DISPLAYED AS % CLOSED ARE NOT ACCEPTABLE)
8. PRESSURE TRANSMITTERS WHOSE SIGNAL IS UTILIZED FOR MAINTAINING DUCT STATIC PRESSURE SHALL BE WIRED DIRECTLY TO THE CONTROLLER THAT MODULATES FAN SPEED. SIGNAL SHALL BE COMPLETELY INDEPENDENT OF THE FMCS NETWORK.
9. PRESSURE TRANSMITTERS WHOSE SIGNAL IS UTILIZED FOR MAINTAINING DIFFERENTIAL PRESSURE OF ANY PUMPED WATER SYSTEM (E.G. HEATING HOT WATER, CHILLED WATER AND THE LIKE) SHALL BE WIRED DIRECTLY TO THE CONTROLLER THAT MODULATES PUMP SPEED. SIGNAL SHALL BE COMPLETELY INDEPENDENT OF THE FMCS NETWORK.
10. ALL CONTROL COMPONENTS SUCH AS RELAYS, SWITCHES, DDC CONTROLLERS, ETC. SHALL BE MOUNTED IN STEEL ENCLOSURES WITH STEEL MOUNTING BACKPLATES PER SPECIFICATION **23 09 00**.
11. EACH CONTROL PANEL SHALL HAVE A LAMINATED COPY OF THE APPLICABLE SEQUENCE OF OPERATION AND CONTROL DIAGRAM INDICATING THE POINTS, COMPONENTS AND OPERATION OF EQUIPMENT ASSOCIATED WITH EACH PANEL. REFER TO SECTION **[23 09 00]** FOR ADDITIONAL REQUIREMENTS.
12. TCC SHALL WIRE THE CONTROL SIGNAL FROM THE ASSOCIATED AIR HANDLING UNIT RTU CONTROL PANEL TO CONTROL THE OPERATION OF SMOKE DAMPERS IN ACCORDANCE WITH SEQUENCE OF OPERATION. TCC SHALL PROVIDE ALL WIRING, CONDUIT, TRANSFORMERS, FUSING AND ALL OTHER ELECTRICAL COMPONENTS REQUIRED FOR COMPLETE INSTALLATION.
13. TCC SHALL EXTEND CONTROL SIGNAL FROM ADDRESSABLE RELAY DEVICE SERVING EACH AIR HANDLING UNIT. REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS. TCC SHALL EXTEND AND TERMINATE WIRING AS REQUIRED FOR EQUIPMENT SHUTDOWN.
14. TCC SHALL PROVIDE POWER SUPPLIES FOR ALL 24VAC POWER REQUIREMENTS TO INCLUDE, BUT NOT LIMITED TO, TERMINAL AIR BOX, FAN COIL UNIT CONTROLLERS, DAMPER AND VALVE ACTUATORS, BUILDING PRESSURE SENSORS, AND OTHER CONTROL COMPONENTS AND DEVICES. REFER TO CONTROLS SPECIFICATIONS FOR POWER SUPPLY REQUIREMENTS. REFER TO MECHANICAL PIPING FLOOR PLANS FOR POWER SUPPLY LOCATIONS. PROVIDE LOW VOLTAGE WIRING FROM POWER SUPPLIES TO ALL CONTROLLERS, MONITORS, COMPONENTS AND DEVICES REQUIRING 24 VAC POWER. ADDITIONAL POWER SUPPLIES NOT SHOWN AND REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM SHALL BE PROVIDED BY THE TEMPERATURE CONTROL CONTRACTOR. THE TEMPERATURE CONTROL CONTRACTOR SHALL PROVIDE FINANCIAL PROVISIONS WITHIN THEIR BID FOR THE ELECTRICAL CONTRACTOR TO PROVIDE BRANCH POWER TO THE ADDITIONAL POWER SUPPLIES. COORDINATE THE LOCATION OF ADDITIONAL POWER SUPPLY CABINET WITH THE ELECTRICAL CONTRACTOR.
15. TCC SHALL PROVIDE THERMOSTATS FOR AUTOMATIC CONTROL OF EQUIPMENT AS REQUIRED BY THESE CONTROL DRAWINGS. THERMOSTAT CONTACT AMP RATING SHALL BE MINIMUM 125% OF THE MAX. CURRENT DRAW FOR THE EQUIPMENT BEING SERVED. WHERE THERMOSTATS CONTROL THE STARTING OF MOTORS (I.E. FANS), THERMOSTATS SHALL BE RATED FOR MOTOR STARTING APPLICATIONS.
16. ELEMENT LENGTHS FOR BOTH MIXED AIR TEMP SENSORS AND LOW LIMIT TEMP SWITCHES SHALL BE MINIMUM 1 LINEAR FOOT PER SQUARE FOOT OF COIL SURFACE AREA. PROVIDE MULTIPLE SENSORS AND SWITCHES AS NEEDED TO ACHIEVE REQUIRED ELEMENT LENGTHS. LOCATE RESET SWITCHES MAX. 6'-6" ABOVE ADJACENT STANDING SURFACE (E.G. ROOF, PLATFORM OR FLOOR) SO THE RESET SWITCH CAN BE CYCLED WITHOUT THE NEED FOR A LADDER.
17. TO PREVENT GENERATOR OVERLOADING, TCC SHALL PROGRAM A STAGGERED START TIME FOR ELECTRICAL EQUIPMENT THAT IS CONTROLLED BY FMCS TO INCLUDE, BUT NOT LIMITED TO, AIR HANDLERS, PUMPS, EXHAUST FANS, AND CHILLERS. THE FIRST EQUIPMENT SHALL START 2 MINUTES (ADJ.) FROM THE TIME THE FMCS RECEIVES THE SIGNAL THAT THE TRANSFER SWITCH CHANGED TO EMERGENCY POWER SOURCE WITH ALL EQUIPMENT BEING ENERGIZED WITHIN A 20 MINUTE (ADJ.) TIME SPAN. COORDINATE ORDER OF EQUIPMENT STAGING WITH OWNER'S REPRESENTATIVE.
18. CONTROL DIAGRAMS ARE SCHEMATIC IN NATURE AND DO NOT SHOW ALL REQUIRED CONTROL DEVICES AND COMPONENTS. REFER TO FLOOR PLANS, FLOW DIAGRAMS AND DETAILS FOR ADDITIONAL CONTROL DEVICES, COMPONENTS AND REQUIREMENTS NOT SHOWN ON THESE CONTROL DRAWINGS.
19. TCC SHALL PROVIDE ALL CONTROL COMPONENTS AND ACCESSORIES AS REQUIRED FOR EQUIPMENT TO BE CONTROLLED AS DESCRIBED IN THE SEQUENCE OF OPERATION REGARDLESS OF WHETHER ALL CONTROL COMPONENTS OR POINTS ARE SHOWN IN THE ASSOCIATED CONTROL DIAGRAM.
20. COORDINATE DDC CONTROL PANEL EMERGENCY POWER SUPPLY REQUIREMENT WITH ELECTRICAL CONTRACTOR. ALL CONTROLS ASSOCIATED WITH MECHANICAL SYSTEM REQUIRING EMERGENCY POWER SHALL BE CONNECTED TO THE EMERGENCY POWER SYSTEM.

IMEG
1000 BALTIMORE
SUITE 300
KANSAS CITY, MO 64108
P: 816.842.8437
www.imegcorp.com

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Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	MJO/MJL/CL
Checked By	MJL/BEH

Revision

Number	Date	Description

M520

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TEMPERATURE CONTROLS

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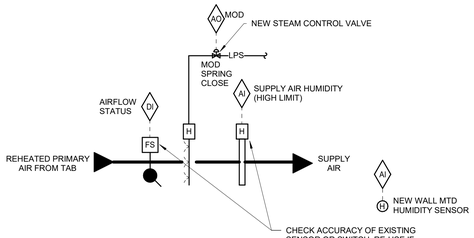


SEQUENCE OF OPERATION:

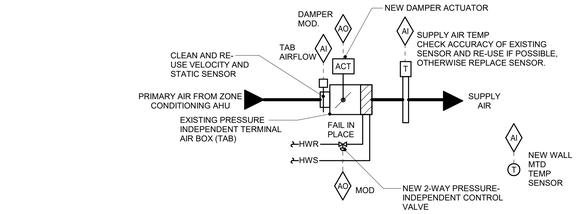
- FMCS TAB CONTROLLER ASSOCIATED WITH THE ZONE SHALL ALSO CONTROL THE HUMIDIFIER.
- IF AIRFLOW IS PROVEN BY THE AIRFLOW SWITCH, THE HUMIDIFIER CONTROL VALVE SHALL MODULATE TO MAINTAIN THE SPACE HUMIDITY SETPOINT OF 35% RH (ADJ.), BASED ON A SIGNAL FROM A WALL MOUNTED HUMIDITY SENSOR.
- THE HIGH LIMIT CONTROL SHALL OVERRIDE THE CONTROL VALVE TO PREVENT THE SUPPLY AIR HUMIDITY FROM EXCEEDING 85% RH.
- THE FMCS OPERATOR SHALL HAVE THE ABILITY TO ADJUST AND DISPLAY HUMIDITY AND SETPOINT FROM THE EXISTING FMCS WORKSTATION.

ALARMS, INTERLOCKS & SAFETIES:

SEND AN ALARM TO THE FMCS OPERATOR WORKSTATION IF THE SPACE HUMIDITY IS MORE THAN 10% (ADJ.) BELOW SETPOINT.

1 ZONE HUMIDIFIER CONTROL - EXISTING OR UPGRADES

12" = 1'-0"



SEQUENCE OF OPERATION:

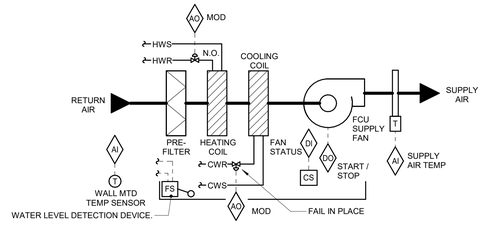
- FMCS TAB CONTROLLER SHALL MODULATE THE TAB DAMPER AND TAB HEATING WATER REHEAT COIL TO MAINTAIN SPACE SETPOINT BASED ON A SIGNAL FROM A WALL MOUNTED TEMPERATURE SENSOR.
- AT FULL COOLING, THE TAB SHALL BE OPEN TO MAXIMUM CFM POSITION. THE REHEAT COIL CONTROL VALVE SHALL BE CLOSED.
- UPON A FALL IN SPACE TEMPERATURE, THE TAB SHALL MODULATE CLOSED UNTIL SPACE SETPOINT IS MAINTAINED, OR UNTIL IT REACHES ITS MINIMUM SCHEDULED CFM POSITION (MATCH MINIMUM CFM POSITION OF THE OLD CONTROLLER.) THE REHEAT COIL CONTROL VALVE SHALL BE CLOSED.
- UPON A FURTHER FALL IN SPACE TEMPERATURE, THE REHEAT COIL CONTROL VALVE SHALL MODULATE OPEN TO MAINTAIN SPACE SETPOINT UNTIL THE SUPPLY AIR TEMPERATURE IS 20°F ABOVE ROOM TEMPERATURE SETPOINT.
- UPON A FURTHER FALL IN SPACE TEMPERATURE, TAB SHALL OPEN TO MAINTAIN SETPOINT UNTIL TAB AIRFLOW REACHES ITS MAXIMUM HEATING SETTING. THE REHEAT CONTROL VALVE SHALL CONTINUE TO MODULATE OPEN TO MAINTAIN MAXIMUM DELTA T LISTED ABOVE.
- THE FMCS OPERATOR SHALL HAVE THE ABILITY TO ADJUST, OVERRIDE, AND DISPLAY TEMPERATURES AND SET POINTS FROM THE EXISTING FMCS WORKSTATION.

ALARMS, INTERLOCKS & SAFETIES:

SEND AN ALARM TO THE FMCS OPERATOR INTERFACE IF THE SPACE TEMPERATURE IS MORE THAN 10°F (ADJ.) ABOVE OR BELOW SETPOINT.

2 TAB CONTROL W/ HOT WATER REHEAT - EXISTING OR UPGRADES

12" = 1'-0"



SEQUENCE OF OPERATION:
SUPPLY FAN OPERATION SHALL BE CONTROLLED BY THE FMCS THROUGH A CONTACTOR. THE UNIT SHALL MAINTAIN A ROOM AIR TEMPERATURE SETPOINT.

WHENEVER THE ROOM AIR TEMPERATURE IS 2°F (ADJ.) ABOVE THE SETPOINT, THE FOLLOWING SHALL OCCUR;
- THE HEATING COIL CONTROL VALVE SHALL BE CLOSED.
- THE CHILLED WATER CONTROL VALVE SHALL MODULATE OPEN TO MAINTAIN SPACE TEMPERATURE SETPOINT.

WHENEVER THE ROOM AIR TEMPERATURE IS 3°F (ADJ.) BELOW THE SETPOINT, THE FOLLOWING SHALL OCCUR;
- THE CHILLED COIL CONTROL VALVE SHALL BE CLOSED.
- THE HEATING WATER CONTROL VALVE SHALL MODULATE OPEN TO MAINTAIN SPACE TEMPERATURE SETPOINT.

IF ROOM AIR TEMPERATURE IS MAINTAINED AND BOTH THE HEATING AND COOLING COIL VALVES ARE CLOSED, THE SUPPLY FAN SHALL BE DE-ENERGIZED. IF EITHER OF THE COIL CONTROL VALVES OPEN, THE SUPPLY FAN SHALL BE ENERGIZED.

WHEN FLOATING CV'S ARE USED, FMCS SHALL PERFORM AN AUTO-ZERO FUNCTION EVERY NIGHT DURING UNOCCUPIED TIMES. THE FMCS SHALL STAGGER AUTO-ZERO SEQUENCES SO THAT ALL VALVES DO NOT SIMULTANEOUSLY CLOSE.

ALARMS, INTERLOCKS & SAFETIES:
WHEN THE FIRE ALARM CONTROL PANEL INDICATES AN ALARM CONDITION, FCU SHALL SHUTDOWN.

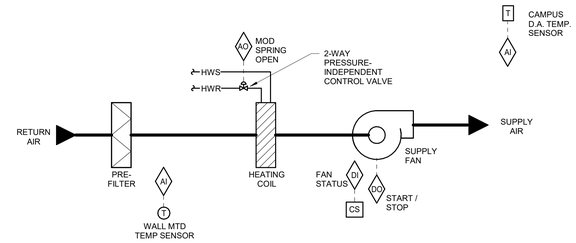
A WATER LEVEL DETECTION DEVICE SHALL CLOSE THE CHILLED WATER VALVE AND PREVENT SUPPLY FAN OPERATION UPON DETECTION OF HIGH WATER LEVEL AND SHALL INDICATE AN ALARM TO THE OPERATOR WORKSTATION.

FMCS SHALL INDICATE AN ALARM TO THE FMCS OPERATOR WORKSTATION IF THE FMCS COMMANDS ANY SUPPLY FAN TO OPERATE AND THE FAN CURRENT RELAY DETECTS INSUFFICIENT CURRENT FLOW.

WHENEVER FCU IS SHUTDOWN THE FOLLOWING SHALL OCCUR:
- HEATING AND CHILLED WATER CONTROL VALVE SHALL CLOSE.
- SUPPLY FAN SHALL BE DE-ENERGIZED.

3 FAN COIL UNIT CONTROL - FCU-X

NO SCALE



SEQUENCE OF OPERATION:
SUPPLY FAN OPERATION SHALL BE CONTROLLED BY THE FMCS THROUGH A CONTACTOR.

WHENEVER THE OUTSIDE AIR TEMPERATURE IS BELOW 60°F (ADJ.) THE SUPPLY FAN SHALL RUN CONTINUOUSLY AND THE HEATING WATER CONTROL VALVE SHALL MODULATE TO MAINTAIN SPACE TEMPERATURE SETPOINT.

THE FMCS OPERATOR SHALL HAVE THE ABILITY TO ADJUST, OVERRIDE AND DISPLAY TEMPERATURES AND SET POINTS FROM THE EXISTING FMCS WORKSTATION.

ALARMS, INTERLOCKS & SAFETIES:

FMCS SHALL INDICATE AN ALARM TO THE FMCS OPERATOR WORKSTATION IF THE FMCS COMMANDS SUPPLY FAN TO OPERATE AND THE FAN CURRENT RELAY DETECTS INSUFFICIENT CURRENT FLOW.

THE FOLLOWING CONDITIONS SHALL INDICATE AN ALARM AT THE FMCS, HOWERVER THE AHU SHALL CONTINUE TO OPERATE:
- SPACE TEMPERATURE IS MORE THAN 10°F (ADJ.) BELOW SETPOINT.

WHENEVER THE AHU IS SHUTDOWN THE FOLLOWING SHALL OCCUR:
- HEATING WATER CONTROL VALVE SHALL CLOSE TO PREVENT WATER FLOW THROUGH COIL.
- SUPPLY FAN SHALL BE DE-ENERGIZED.

4 VESTIBULE AIR CURTAIN CONTROL

NO SCALE

SEQUENCE OF OPERATION:

EACH SPLIT SYSTEM INCLUDES FACTORY-MOUNTED CONTROLS WITH BACNET COMMUNICATIONS CAPABILITY. PROVIDE A BACNET CONNECTION FROM EACH SPLIT SYSTEM TO THE FACILITY MANAGEMENT AND CONTROL SYSTEM (FMCS), AND COORDINATE WITH THE OWNER THE POINTS TO MAP TO THE FMCS, AND PROVIDE GRAPHICS ON FMCS OPERATOR INTERFACE AS REQUIRED.

6 TYPICAL I.T. ROOM SPLIT SYSTEM CONTROL

NO SCALE

THE FOLLOWING EXISTING, MISCELLANEOUS CONTROLS ARE STILL CONNECTED TO THE ORIGINAL OUTDATED JOHNSON CONTROLS "N2" CONTROLLERS, LOCATED IN THE ORIGINAL MECHANICAL ROOM (BETWEEN GRIDLINES G & H). THOSE CONTROLLERS SHALL BE REPLACED WITH NEW JCI METASYS BACNET-COMPATIBLE CONTROLS, AND THE POINTS SHALL BE RE-CONNECTED TO THE SYSTEM. CONTROL WIRING SHALL BE EXTENDED OR REPLACED AS REQUIRED.

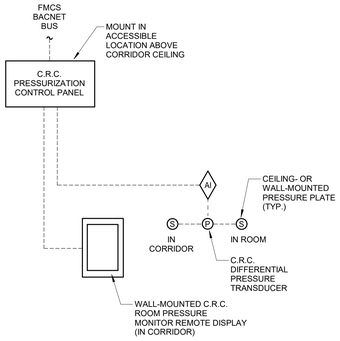
- AHU-E-2 (ENTRY VESTIBULE HEATING UNIT): MULTIPLE POINTS, SIMILAR TO "VESTIBULE AIR CURTAIN CONTROL" DIAGRAM ON SHEET M521.
- AHU-E-3 (SECOND FLOOR AIR HANDLING UNIT): MULTIPLE POINTS, SIMILAR TO "TYPICAL AIR HANDLING UNIT CONTROL" DIAGRAM ON THIS SHEET.
- EXHAUST FANS: QUANTITY OF EIGHT (8) FANS, TWO (2) POINTS (ON/OFF AND STATUS) FOR EACH FAN.
- HYDRONIC (CHILLED & HEATING HOT WATER) SYSTEM DIFFERENTIAL PRESSURE TRANSDUCERS: QUANTITY OF NINE (9).
- STEAM FLOW METERS: QUANTITY OF TWO (2).
- CHILLED WATER FLOW METERS: QUANTITY OF TWO (2).
- HEATING HOT WATER FLOW METERS: QUANTITY OF TWO (2).
- CONDENSATE PUMP ALARM: QUANTITY OF ONE (1).
- DOMESTIC HOT WATER PUMPS: QUANTITY OF TWO (2) PUMPS, TWO (2) POINTS (ON/OFF AND STATUS) FOR EACH PUMP.
- DOMESTIC HOT WATER TEMPERATURE SENSOR: QUANTITY OF ONE (1).
- SUMP PUMP ALARM: QUANTITY OF FOUR (4).
- COMPRESSED AIR DIFFERENTIAL PRESSURE TRANSDUCER: QUANTITY OF ONE (1).
- OXYGEN FLOW METER: QUANTITY OF ONE (1).
- MEDICAL AIR FLOW METER: QUANTITY OF ONE (1).
- ELECTRICAL POWER METERS: QUANTITY OF SIX (6).
- SITE/CORRIDOR LIGHTING CONTROL: QUANTITY OF SEVEN (7) ZONES.
- FIRE ALARM PANEL: QUANTITY OF TWO (2) ALARM POINTS.

IN ADDITION TO THE NEW CONTROLS INDICATED ELSEWHERE IN THESE DRAWINGS, THE FOLLOWING NEW, MISCELLANEOUS CONTROLS SHALL BE PROVIDED AND CONNECTED TO THE METASYS SYSTEM. CONTROL HARDWARE AND WIRING SHALL BE PROVIDED AS REQUIREHYDRONIC (CHILLED &

- HEATING HOT WATER) SYSTEM DIFFERENTIAL PRESSURE TRANSDUCERS: QUANTITY OF SIX (6).
- CHILLED WATER FLOW METER: QUANTITY OF ONE (1).
- HEATING HOT WATER FLOW METER: QUANTITY OF ONE (1).
- CONDENSATE PUMP ALARM: QUANTITY OF ONE (1).
- AIR COMPRESSOR ALARM: QUANTITY OF ONE (1).
- OXYGEN FLOW METER: QUANTITY OF ONE (1).
- MEDICAL AIR FLOW METER: QUANTITY OF ONE (1).
- ELECTRICAL POWER METERS: QUANTITY OF EIGHT (8).
- SITE/CORRIDOR LIGHTING CONTROL: QUANTITY OF SIX (6) ZONES.

5 MISCELLANEOUS EQUIPMENT CONTROL

NO SCALE



SEQUENCE OF OPERATION:

PRESSURIZATION MONITORING:

- THE C.R.C. CONTROLS SHALL DISPLAY THE ROOM PRESSURE ON THE WALL-MOUNTED C.R.C. ROOM PRESSURE MONITOR REMOTE DISPLAY. ADDITIONALLY, IF THE ROOM PRESSURE MINIMUM IS MET OR EXCEEDED, THE SCREEN ON THE ROOM PRESSURE MONITOR REMOTE DISPLAY SHALL BE GREEN. IF THE ABSOLUTE VALUE OF THE ROOM PRESSURE DROPS BELOW 0.01" W.G. FOR GREATER THAN 90 SECONDS (ADJ.), THE SCREEN ON THE REMOTE DISPLAY SHALL TURN RED, AND THE ROOM PRESSURE MONITOR SHALL SIGNAL A LOCAL, AUDIBLE ALARM.
- THE C.R.C. CONTROLS SHALL BE INTEGRATED INTO THE JCI METASYS FMCS VIA THE BACNET BUS. THE FMCS OPERATOR SHALL HAVE THE ABILITY TO DISPLAY THE ROOM PRESSURE VALUE FROM THE EXISTING FMCS WORKSTATION.

ALARMS, INTERLOCKS & SAFETIES:

- SEND AN ALARM TO THE FMCS OPERATOR INTERFACE IF THE ABSOLUTE VALUE OF THE ROOM PRESSURE DROPS BELOW 0.01" W.G. FOR GREATER THAN 90 SECONDS (ADJ.).
- ALL FAULTS SHALL BE LOGGED ON THE FMCS.

7 ROOM PRESSURE MONITORING CONTROL DIAGRAM

NO SCALE

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1600 BALTIMORE SUITE 300 KANSAS CITY, MO 64108 P: 816.842.8437

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RELEASED FOR CONSTRUCTION
As noted on submittal transmittal
Development Services Department
Summit, Missouri
01/16/2024

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023

Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

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Job Number	3-21037
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Checked By	MJL/BEH

Revision

Number	Date	Description

M521

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TEMPERATURE CONTROLS

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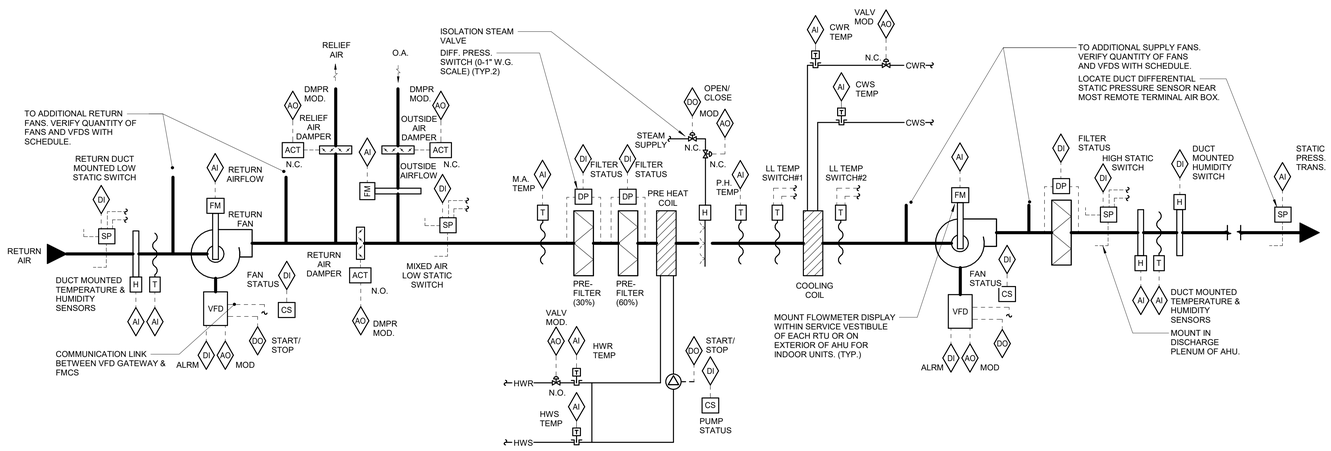


AHU REPORT GENERATION:
DDC FMCS SHALL MONITOR THE FOLLOWING POINTS ON 10 MINUTE (ADJ.) INTERVALS WITHIN A SINGLE TREND. THE TREND SHALL RUN FOR A 100-DAY (ADJ.) DURATION AT WHICH POINT THE NEWEST VALUES SHALL AUTOMATICALLY OVERWRITE THE OLDEST VALUES:

- DATE
- TIME
- GLOBAL OUTSIDE AIR TEMP [°F]
- GLOBAL OUTSIDE AIR DEWPOINT [°F]
- GLOBAL OUTSIDE AIR HUMIDITY [%RH]
- SUPPLY AIRFLOW [CFM]
- SUPPLY AIR TEMP (SAT) [°F]
- SUPPLY AIR TEMP SETPOINT [°F]
- SUPPLY AIR RELATIVE HUMIDITY [%]
- SUPPLY AIR DEWPOINT [°F]
- SUPPLY AIR DEWPOINT SETPOINT [°F]
- RETURN AIRFLOW [CFM]
- RETURN AIR TEMP (RAT) [°F]
- RETURN AIR RELATIVE HUMIDITY [%]
- OUTSIDE AIRFLOW [CFM]
- MIXED AIR TEMP [°F]
- PREHEAT COIL DISCHARGE AIR TEMP [°F]
- PREHEAT COIL DISCHARGE AIR TEMP [°F]
- PRE-FILTER ALARM [STATUS]
- FINAL FILTER ALARM STATUS
- HEATING WATER VALVE POSITION [% OPEN]
- HEATING PUMP [ON/OFF]
- CHILLED WATER VALVE POSITION [% OPEN]
- HUMIDIFIER VALVE POSITION [% OPEN]
- HUMIDIFIER ISOLATION VALVE [OPEN/CLOSED]
- SUPPLY DUCT STATIC PRESSURE SETPOINT [INCHES W.G.]
- SUPPLY DUCT STATIC PRESSURE [INCHES W.G.]
- SUPPLY FAN VFD OUTPUT [% FULL SPEED]
- RETURN FAN VFD OUTPUT [% FULL SPEED]
- OUTSIDE AIR DAMPER POSITION [% OPEN]
- RETURN AIR DAMPER POSITION [% OPEN]
- RELIEF AIR DAMPER POSITION [% OPEN]

THIS INFORMATION SHALL BE ACCESSIBLE TO VIEW IN GRAPHICAL FORM ON THE FMCS OPERATOR WORKSTATION.

ONCE PER MONTH, THE DDC FMCS SHALL RECORD THE LARGEST AHU AIRFLOW WHICH OCCURED DURING THAT MONTH. THE DATE, TIME, OUTSIDE AIR TEMP (AND ALL OTHER VALUES LISTED ABOVE) THAT COINCIDED WITH THAT EVENT SHALL ALSO BE RECORDED. THIS INFORMATION SHALL BE STORED TO A MEMORY LOCATION ON THE FMCS OPERATOR WORKSTATION THAT IS MAINTAINED (NOT AUTOMATICALLY OVERWRITTEN).

AIR HANDLER REPORT GENERATION
TYPICAL

SEQUENCE OF OPERATION:

WHEN AHU/RTU IS INDEXED TO RUN, THE FOLLOWING SHALL OCCUR:
- SMOKE DAMPERS AND COMBINATION FIRE/SMOKE DAMPERS SHALL OPEN.
- AFTER A 30 SECOND DELAY (ADJ.) TO ALLOW FOR OPENING OF SMOKE DAMPERS AND COMBINATION FIRE/SMOKE DAMPERS. SUPPLY FAN SHALL BE ENABLED TO RUN.
- WHEN THE SUPPLY FAN HAS STARTED THE RETURN FAN AND INTERLOCKED EXHAUST FANS SHALL START AS SHOWN IN THE FAN INTERLOCK SCHEDULE.

SUPPLY FAN OPERATION:
FMCS SHALL MODULATE SIGNAL TO SUPPLY FAN VFD TO MAINTAIN DUCT STATIC PRESSURE AS MEASURED BY STATIC PRESSURE TRANSMITTER NEAR THE END OF THE CRITICAL DUCT BRANCH.

RETURN FAN OPERATION:
RETURN FAN SHALL BE INDEXED TO RUN WHENEVER THE SUPPLY FAN IS INDEXED TO RUN. FMCS SHALL MODULATE SIGNAL TO RETURN FAN VFD AS REQUIRED TO MAINTAIN THE AIRFLOW OFFSET AS INDICATED IN THE RETURN FAN AIRFLOW SCHEDULE.

STATIC PRESSURE RESET:
FMCS SHALL RESET SUPPLY DUCT STATIC PRESSURE SETPOINT BELOW THE MAXIMUM SETPOINT AS REQUIRED TO MAINTAIN AT LEAST ONE SUPPLY TAB DAMPER 90% (ADJ.) OPEN. FMCS SHALL MONITOR ALL SUPPLY TERMINAL AIR BOX POSITIONS TO RESET THE SUPPLY DUCT DIFFERENTIAL STATIC PRESSURE.

DISCHARGE AIR TEMPERATURE SET POINT:
DISCHARGE AIR SET POINT SHALL BE 55°F (ADJ.).

DISCHARGE AIR TEMPERATURE RESET:
RESET DISCHARGE AIR TEMPERATURE BASED ON THE ZONE WITH THE GREATEST CALL FOR COOLING. RESET THE TEMPERATURE AS FOLLOWS:
- WHEN WORST CASE TAB IS LESS THAN 90% (ADJ.) OPEN FOR TEN MINUTES (ADJ.) THEN THE DISCHARGE AIR TEMPERATURE SHALL INCREASE BY 1°F (ADJ.). THIS SHALL CONTINUE UNTIL AHU MAXIMUM DISCHARGE AIR TEMPERATURE OF 60°F (ADJ.) IS ACHIEVED.
- WHEN WORST CASE TAB IS MORE THAN 90% OPEN FOR TEN MINUTES (ADJ.) THEN THE DISCHARGE AIR TEMPERATURE SHALL DROP BY 1°F (ADJ.). THIS SHALL CONTINUE UNTIL AHU MINIMUM DISCHARGE AIR TEMPERATURE OF 55°F (ADJ.) IS ACHIEVED.
- THE MAXIMUM ALLOWABLE RETURN AIR HUMIDITY SETPOINT SHALL BE 60% (ADJ.). IF RETURN AIR HUMIDITY IS GREATER THAN SETPOINT, RESET DISCHARGE AIR TEMPERATURE TO 55°F UNTIL RETURN AIR HUMIDITY IS 5% LESS THAN MAXIMUM SETPOINT FOR 10 MINUTES (ADJ.).

STATIC PRESSURE AND DISCHARGE AIR TEMPERATURE RESET PRIORITY:
RESET THE DISCHARGE AIR TEMPERATURE PRIOR TO RESETTING THE DUCTWORK STATIC PRESSURE SETPOINT. ONCE THE MAXIMUM SUPPLY TEMPERATURE IS REACHED THEN THE SYSTEM SHALL ENABLE THE STATIC PRESSURE RESET.

VENTILATION AIR CONTROL:
WHENEVER THE AIR HANDLING UNIT IS IN OCCUPIED MODE, THE OUTSIDE AIR DAMPER SHALL BE FULLY OPEN. THE RETURN AIR AND RELIEF AIR DAMPER SHALL MODULATE IN OPPOSITION TO MAINTAIN THE MINIMUM OUTSIDE AIR FLOW RATE, OR TO SATISFY THE ECONOMIZER DISCHARGE AIR SEQUENCE.

COOLING COIL OPERATION:
WHEN IN MINIMUM OUTSIDE AIR MODE, FMCS SHALL MODULATE CHILLED WATER CONTROL VALVE AS REQUIRED TO MAINTAIN DISCHARGE AIR TEMPERATURE SET POINT.

WHEN IN ECONOMIZER MODE, FMCS SHALL NOT MODULATE COOLING CONTROL VALVE UNLESS RETURN AIR DAMPER IS 5% (ADJ.) OPEN AND RELIEF AIR DAMPER IS 95% (ADJ.) OPEN.

PREHEAT COIL OPERATION:
PREHEAT COIL CONTROLS SHALL BE ENABLED WHEN OUTSIDE AIR TEMP DROPS BELOW 50°F (ADJ.). PREHEAT COIL CONTROLS SHALL BE DISABLED WHEN OUTSIDE AIR TEMP RISES ABOVE 54° F (ADJ.).

WHEN OUTSIDE AIR TEMPERATURE RISES ABOVE 38°F (ADJ.) FOR 10 MINUTES (ADJ.) HEATING WATER COIL CIRCULATION PUMP SHALL OPERATE ONLY WHEN HEATING IS CALLED FOR (HEATING WATER VALVE IS COMMANDED TO OPEN). WHEN OUTSIDE AIR TEMP DROPS BELOW 38°F (ADJ.) HEATING WATER COIL CIRCULATION PUMP SHALL OPERATE CONTINUOUSLY. ONCE ENERGIZED, HEATING WATER COIL CIRCULATION PUMP SHALL REMAIN IN OPERATION FOR MINIMUM 5 MINUTES (ADJ.) TO PREVENT SHORT CYCLING.

FMCS SHALL MODULATE HEATING WATER CONTROL VALVE AS REQUIRED TO MAINTAIN DISCHARGE AIR TEMPERATURE SET POINT.

ECONOMIZER OPERATION:
WHEN THE OUTSIDE AIR DRY BULB TEMPERATURE IS LESS THAN THE RETURN AIR DRY BULB TEMPERATURE THE FMCS SHALL ENABLE ECONOMIZER CONTROLS. WHEN OUTSIDE AIR DRY BULB TEMPERATURE IS GREATER THAN THE RETURN AIR DRY BULB TEMPERATURE FOR 10 MINUTES THE FMCS SHALL DISABLE ECONOMIZER CONTROLS AND SHALL RETURN THE UNIT TO MINIMUM OUTSIDE AIR MODE. ONCE ECONOMIZER CONTROLS HAVE BEEN ENABLED OR DISABLED, THE UNIT SHALL CONTINUE TO OPERATE IN THAT MODE FOR A MINIMUM OF 10 MINUTES (ADJ.) BEFORE BEING ALLOWED TO SWITCH BACK (TO PREVENT SHORT CYCLING).

IN ECONOMIZER MODE THE FMCS SHALL MODULATE THE RETURN AND RELIEF DAMPERS AS REQUIRED TO MAINTAIN DISCHARGE AIR TEMPERATURE SETPOINT.

HUMIDIFIER CONTROLS:
HUMIDIFIER CONTROLS AND ALARMS SHALL BE ENABLED WHEN OUTSIDE AIR TEMPERATURE DROPS BELOW 48°F (ADJ.) AT WHICH POINT THE ISOLATION STEAM VALVE SHALL FULLY OPEN. HUMIDIFIER CONTROLS AND ALARMS SHALL BE DISABLED WHEN OUTSIDE AIR TEMPERATURE RISES ABOVE 48°F (ADJ.) FOR 10 MINUTES (ADJ.) AT WHICH POINT THE ISOLATION STEAM VALVE SHALL FULLY CLOSE.

WHEN HUMIDIFIER CONTROLS ARE ENABLED, FMCS CONTROLLER SHALL MODULATE STEAM VALVE AS REQUIRED TO MAINTAIN 43°F DEWPOINT (ADJ.) IN THE SUPPLY AIR DUCT. DUCT MOUNTED HUMIDITY TRANSMITTER AT FAN DISCHARGE SHALL PREVENT SUPPLY AIR RELATIVE HUMIDITY FROM EXCEEDING 80% (ADJ.).

ALARMS, INTERLOCKS, AND SAFETIES:
WHEN FIRE ALARM CONTROL PANEL INDICATES AN ALARM CONDITION, AHU SHALL BE SHUTDOWN.

THE FOLLOWING CONDITIONS SHALL SHUTDOWN THE AHU AND SHALL INDICATE AN ALARM CONDITION AT THE FMCS WORKSTATION:
- LOW STATIC PRESSURE SWITCH INDICATES RETURN DUCT PRESSURE LESS THAN THE SPECIFIED DUCT PRESSURE CLASS.
- LOW STATIC PRESSURE SWITCH INDICATES MIXED AIR PRESSURE LESS THAN THE SPECIFIED DUCT PRESSURE CLASS OF THE OUTSIDE AIR DUCTWORK.
- HIGH STATIC PRESSURE SWITCH INDICATES SUPPLY DUCT STATIC PRESSURE GREATER THAN THE SPECIFIED DUCT PRESSURE CLASS.
- SHOULD ANY ONE FOOT SECTION OF THE MANUAL RESET LOW LIMIT TEMPERATURE SWITCH #1 SENSE AIR TEMP <34°F (ADJ.). IF MULTIPLE FREEZE STATS ARE REQUIRED, WIRE ALL TO A COMMON RESET SWITCH.

THE FOLLOWING CONDITIONS SHALL INDICATE AN ALARM AT THE FMCS, HOWEVER AHU SHALL CONTINUE TO OPERATE:
- HEATING COIL CIRCULATION PUMP IS COMMANDED TO RUN AND CURRENT RELAY INDICATES INSUFFICIENT CURRENT FLOW.
- AN ALARM IS INDICATED AT ANY SUPPLY FAN VFD OR RETURN FAN VFD.
- DIFFERENTIAL PRESSURE SWITCH ACROSS PRE-FILTER BANK EXCEEDS 0.6 INCHES W.G. (ADJ.)
- DIFFERENTIAL PRESSURE SWITCH ACROSS FINAL FILTER BANK EXCEEDS 1.0 INCHES W.G. (ADJ.)
- THE TOTAL DIFFERENTIAL PRESSURE ACROSS ALL FILTER BANKS EXCEEDS 2.0 INCHES W.G. (ADJ.)
- RELATIVE HUMIDITY OF SUPPLY AIR EXCEEDS 80% RH (ADJ.) AS MEASURED BY AUTOMATIC RESET HUMIDITY SWITCH. WHEN HUMIDITY SWITCH TRIPS, STEAM CONTROL VALVE SHALL FULLY CLOSE UNTIL ALARM IS RESET AT FMCS WORKSTATION. AN ALARM SHALL NOT INDICATE AT THE FMCS WORKSTATION UNLESS HUMIDIFIER CONTROLS ARE ENABLED.
- WHEN DUCTWORK SUPPLY AIR HUMIDITY EXCEEDS 90% RH A SEPARATE DUCT MOUNTED HUMIDITY SWITCH (MANUAL RESET) SHALL DISABLE HUMIDIFIER CONTROLS AND SHALL FULLY CLOSE STEAM ISOLATION VALVE. AN IDENTIFIABLE ALARM CONDITION SHALL BE DISPLAYED AT THE OPERATOR WORKSTATION.
- SHOULD ANY ONE FOOT SECTION OF THE AUTO RESET LOW LIMIT TEMPERATURE SWITCH #2 SENSE AIR TEMPERATURE <38°F (ADJ.) THE FOLLOWING SHALL OCCUR:
- THE RETURN AIR DAMPER SHALL FULLY OPEN.
- THE OUTSIDE AIR AND RELIEF DAMPERS SHALL FULLY CLOSE.
- THIS ACTION SHALL OCCUR INDEPENDENT OF THE FMCS AHU CONTROLLER. ONCE THE LOW LIMIT TEMPERATURE SWITCH #2 AIR TEMPERATURE RISES ABOVE SET POINT, OPERATION OF THE OUTSIDE AIR, RELIEF AIR, AND RETURN AIR DAMPERS SHALL BE RESTORED. HOWEVER, THE ALARM SHALL CONTINUE UNTIL ACKNOWLEDGED AND MANUALLY RESET BY THE FMCS OPERATOR.
- SEND AN ALARM TO THE FMCS OPERATOR INTERFACE IF THE DISCHARGE AIR TEMPERATURE IS MORE THAN 5°F (ADJ.) ABOVE OR BELOW SETPOINT.

IN THE EVENT SUPPLY FAN IS NOT RUNNING (AS INDICATED BY THE CURRENT SENSING RELAYS) RETURN AIR FAN SHALL BE DE-ENERGIZED.

WHENEVER AHU/RTU IS SHUTDOWN THE FOLLOWING SHALL OCCUR:
- THE OUTSIDE AIR DAMPER AND RELIEF AIR DAMPER SHALL FULLY CLOSE.
- RETURN AIR DAMPER SHALL FULLY OPEN.
- PREHEAT COIL HEATING WATER CIRCULATION PUMP AND HEATING WATER CONTROL VALVE SHALL REMAIN UNDER CONTROL OF ITS INPUT SENSOR.
- ALL SMOKE DAMPERS AND COMBINATION FIRE/SMOKE DAMPERS SHALL FULLY CLOSE.
- CHILLED WATER CONTROL VALVE SHALL FULLY CLOSE.
- ISOLATION STEAM VALVE SHALL FULLY CLOSE.
- SUPPLY FAN AND RETURN FAN VFDS SHALL*/$ #1E-ENERGIZED.
- INTERLOCKED EXHAUST FANS SHALL BE DE-ENERGIZED.

UNOCCUPIED MODE:
PROVIDE TIME OF DAY SCHEDULE TO ALLOW AHU TO ENTER UNOCCUPIED MODE PER SCHEDULE. COORDINATE SCHEDULE WITH OWNER.

- THE SUPPLY AND RETURN FANS SHALL CONTINUE RUNNING. WHEN USING CONSTANT VOLUME OFFSET FOR RETURN AIR FAN CONTROL, THE OFFSET SHALL GO TO ZERO AND THE SUPPLY FAN SHALL BE LIMITED TO THE MAXIMUM RETURN FAN AIRFLOW.
- THE OUTSIDE AIR AND RELIEF AIR DAMPERS SHALL CLOSE AND THE RETURN AIR DAMPER SHALL OPEN. ECONOMIZER CYCLE SHALL TAKE PRECEDENCE OVER DAMPER POSITION.
- ALL SPACE TEMPERATURES SHALL BE ALLOWED TO VARY +/- 10°F (ADJ.) FROM OCCUPIED SETPOINT.

HEATING OPTIMUM START-UP:
- THIS CYCLE SHALL OVERRIDE THE UNOCCUPIED CYCLE. IF THE SYSTEM WAS OPERATING AS A RESULT OF THE UNOCCUPIED CYCLE, THE SYSTEM SHALL CONTINUE TO OPERATE. THE DDC SYSTEM SHALL DETERMINE THE MINIMUM RUNTIME TO WARM THE SPACES TO THEIR SETPOINT WHEN THE COMPUTED START TIME IS REACHED. THE AIR HANDLING UNIT DISCHARGE AIR TEMPERATURE SHALL BE MAINTAINED AT A SETPOINT OF 85°F (ADJ.). THE SYSTEM SHALL CONTINUE TO OPERATE IN THIS MODE UNTIL ALL TEMPERATURES EXCEED A SETPOINT OF 68°F (ADJ.). AT THAT TIME, THE DDC SYSTEM SHALL SWITCH TO OCCUPIED CONTROL.

COOLING OPTIMUM START-UP:
- THIS CYCLE SHALL OVERRIDE THE UNOCCUPIED CYCLE. IF THE SYSTEM WAS OPERATING AS A RESULT OF THE UNOCCUPIED CYCLE, THE SYSTEM SHALL CONTINUE TO OPERATE. THE DDC SYSTEM SHALL DETERMINE THE MINIMUM RUNTIME TO COOL THE SPACES TO THEIR SETPOINT WHEN THE COMPUTED START TIME IS REACHED. THE AIR HANDLING UNIT DISCHARGE AIR TEMPERATURE SHALL BE MAINTAINED AT A SETPOINT OF 55°F (ADJ.). THE SYSTEM SHALL CONTINUE TO OPERATE IN THIS MODE UNTIL ALL TEMPERATURES ARE LESS THAN A SETPOINT OF 75°F (ADJ.). AT THAT TIME, THE DDC SYSTEM SHALL SWITCH TO OCCUPIED CONTROL.

GRAPHICAL DISPLAY:
DISPLAY THE GLOBAL OUTSIDE AIR TEMPERATURE AND HUMIDITY ON AHU GRAPHIC PAGE.

RETURN FAN AIRFLOW SCHEDULE

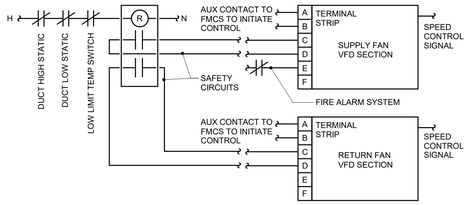
SYSTEM	SUPPLY CFM	EXHAUST FANS	PRESSURIZATION CFM	REMARKS
AHU-E-8	50,000	EF-E-11, EF-E-15, EF-E-16	0	NOTES 1,2,3
AHU-E-9	30,000	EF-E-17, EF-E-18	0	NOTES 1,2,3

NOTES:
1. **RETURN FAN AIRFLOW SETPOINT SHALL BE THE SUPPLY FAN AIRFLOW (AS MEASURED BY THE AFMS) MINUS THE SUM OF THE EXHAUST FAN AIRFLOWS MINUS THE PRESSURIZATION CFM.**
2. **FMCS SHALL DETERMINE THE OPERATIONAL STATUS OF EACH EXHAUST FAN VIA THE CURRENT SENSING RELAY TO DETERMINE WHETHER THE CFM ASSOCIATED WITH THAT FAN SHOULD BE INCLUDED IN THE RETURN FAN AIRFLOW CALCULATION.**
3. **EXHAUST FAN AIRFLOWS SHALL NOT BE THE CFM INDICATED ON THE FAN SCHEDULE, BUT SHALL BE THE AIRFLOW INDICATED IN THE FINAL TAB REPORT.**

FAN INTERLOCK SCHEDULE

SYSTEM	INTERLOCKED EXHAUST FANS	REMARKS
AHU-E-8	EF-E-11, EF-E-15, EF-E-16	NOTE 1
AHU-E-9	EF-E-17, EF-E-18	NOTE 1

NOTES:
1. **INTERLOCK EXHAUST FAN OPERATION THROUGH THE FMCS WITH RESPECTIVE AHU IN ACCORDANCE WITH AHU SEQUENCE OF OPERATION.**



SUPPLY & RETURN FAN VFD CONTROL

CONNECT FIRE ALARM TO AHU START/STOP CIRCUIT SO FIRE ALARM CAN SHUT DOWN AND SO AHU CAN AUTOMATICALLY RESTART AFTER A FIRE ALARM TEST

1 TYPICAL AIR HANDLING UNIT CONTROL
12" = 1'-0"

NOTE: PREHEAT COIL CONTROLS ARE ONLY REQUIRED ON AHU-E-9, AND ONLY UNDER THE OPTION THAT IT IS AN OUTDOOR UNIT WITH A SERVICE VESTIBULE.

RELEASED FOR CONSTRUCTION
As Noted on Drawings
Development Services Department
Lee's Summit, Missouri
01/16/2024

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	MJO/MJL/CL
Checked By	MJL/BEH

Revision

Number	Date	Description

M522

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TEMPERATURE CONTROLS

IMEG 1600 BALTIMORE SUITE 300 KANSAS CITY, MO 64108 P: 816.842.8437
www.imegcorp.com

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REF. SCALE IN INCHES 0 1 2 3
PROJECT #21006783.00

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/MEP21_21006783.00_SLH-East ASC Addition_C.rvt

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AIR HANDLING SCHEDULE

NOTES:
1.PROVIDE SHAFT GROUNDING AS REQUIRED IN THE MOTOR SPECIFICATION.
2.STEAM PRESSURE INDICATED IS THE PRESSURE AVAILABLE DOWNSTREAM OF THE CONTROL VALVE.
3.PROVIDE EACH FAN ARRAY WITH MULTI-DRIVE PANEL HAVING ONE VFD PER FAN MOTOR AND A PARAGON MODEL FAATS 1000 FAN ARRAY AIRFLOW TOTALIZING SYSTEM. EACH FAN WALL SHALL BE CAPABLE OF MAINTAINING TOTAL CFM AND TOTAL S.P. WITH ONE (1) FAILED FAN. RPM AND BHP ARE BASED ON CONDITION WITH (1) FAILED FAN.
4.PROVIDE AHU WITH UVGI SYSTEM DESIGNED FOR 99.9% FIRST PASS INACTIVATION OF CORONAVIRUSES AND 95% AVERAGE PATHOGEN REDUCTION PER PASS.
5.INSTALL 304 STAINLESS STEEL DRAIN PAN WITH 2" HIGH SIDES UNDER ENTIRE UNIT, WITH TWO 1" DRAIN CONNECTIONS AT ENDS. ROUTE DRAIN PIPES TO FLOOR DRAIN.
6.PROVIDE THREE COOLING COILS OF EQUAL AREA. PROVIDE TWO COILS WITH REMOVEABLE BLANK-OFF PLATES ON ENTERING SIDE.
7.UNIT SHALL BE DESIGNED FOR OUTDOOR INSTALLATION AND SHALL INCLUDE A 72" WIDE, ILLUMINATED SERVICE VESTIBULE; RAINPROOF OUTSIDE AIR LOUVER (SIZED FOR FULL SYSTEM AIRFLOW) AND OA PLENUM SECTION WITH DRAIN PAN; ECONOMIZER SECTION WITH CONTROL DAMPERS, INDUDING SEPARATE MINIMUM OA DAMPER; RELIEF AIR LOUVER WITH CONTROL DAMPER (FOR RELIEF FROM SERVICE VESTIBULE); TWO (2) PIPE CHASES IN FLOOR OF VESTIBULE FOR PIPING/CONDUITS; AND A FACTORY-MOUNTED, 5KW, 460V/3-PHASE ELECTRIC UNIT HEATER IN THE SERVICE VESTIBULE WITH A DISCONNECT SWITCH AND A UNIT-MOUNTED THERMOSTAT. UNIT WILL BE INSTALLED ON A STEEL EXO-STRUCTURE ABOVE ROOF SURFACE AND WILL NOT REQUIRE A ROOF CURB.
8.PROVIDE TWO COOLING COILS OF EQUAL AREA, WITH PIPING CONNECTIONS INSIDE SERVICE VESTIBULE.
9.PROVIDE AIRWAY LENGTH TO ALLOW FOR FUTURE INSTALLATION OF VERTICAL INTEGRAL FACE & BYPASS (VIFB) STEAM PREHEAT COIL BETWEEN PRE-FILTERS AND HUMIDIFIER.
10.PROVIDE UNIT WITH 1" DOUBLE-WAL CONTRUCTION, STAINLESS STEEL COIL CASINGS, SPRING VIBRATION ISOLATORS, AND EC MOTOR DESIGNED FOR VARIABLE SPEED CONTROL BY A CUSTOMER-PROVIDED 0-10VDC SIGNAL.

		SUPPLY FAN (NOTE 1)							RETURN FAN (NOTE 1)							MINIMUM OUTSIDE AIR CFM	ELECTRICAL										HEATING COIL - WATER							
																								DISCONNECT(S)									
TAG NAME	AREA SERVED	NO. OF FANS	CFM TOTAL	TOTAL S.P.	TYPE	RPM (NOTE D)	BHP EACH (NOTE E)	MHP EACH	NO. OF FANS	CFM TOTAL	EXT. S.P.	TYPE	RPM (NOTE D)	BHP EACH (NOTE E)	MHP EACH		SUPPLY FAN MOP	SUPPLY FAN MCA	SUPPLY FAN FLA	RETURN FAN MOP	RETURN FAN MCA	RETURN FAN FLA	VOLTAGE	PHASES	BY (NOTE A)	TYPE (NOTE B)	EAT °F	LAT °F	EWT °F	LWT °F	GPM	MBH	MAX. A.P.D. IN. W.C.	W.P.D. FEET HEAD
AHU-E-8	LEVELS 01 & 02	12	50000	8.0	DIRECT DRIVE PLENUM BI	3365	8.3	9	12	45000	2.5	DIRECT DRIVE PLENUM BI	0	0	0	10000	225 A	173 A	169 A	80 A	59 A	58 A	460	3	MFG	F	0.0	0.0	0	0	0.0	0	0.0	0.0
AHU-E-9	LEVEL 3	9	28000	8.0	DIRECT DRIVE PLENUM BI	3627	6.5	7	6	25000	2.0	DIRECT DRIVE PLENUM BI	1762	2.6	3	5600	150 A	112 A	109 A	40 A	30.3 A	29.1 A	460	3	MFG	F	0.0	0.0	0	0	0.0	0	0.0	0.0
AHU-E-10	FUTURE	0	0	0.0		0	0	0	0	0	0.0		0	0	0	0	0 A	0 A	0 A	0 A	0 A	0 A	0	3			0.0	0.0	0	0	0.0	0	0.0	0.0
AHU-E-11	1ST FL ELEV VESTIBULE	1	1000	0.8	DIRECT DRIVE DWDI W/EC MOTOR	1331	0.4	1	0	0	0.0		0	0	1	0	25 A	14.4 A	11.5 A				120	1	MFG	NF	65.0	95.0	190	161	2.3	33	0.1	6.9
AHU-E-12	2ND FL ELEV VESTIBULE	1	1000	0.8	DIRECT DRIVE DWDI W/EC MOTOR	1331	0.4	1	0	0	0.0		0	0	1	0	25 A	14.4 A	11.5 A				120	1	MFG	NF	65.0	95.0	190	161	2.3	33	0.1	6.9
AHU-E-13	3RD FL ELEV VESTIBULE	1	1000	0.8	DIRECT DRIVE DWDI W/EC MOTOR	1331	0.4	1	0	0	0.0		0	0	1	0	25 A	14.4 A	11.5 A				120	1	MFG	NF	65.0	95.0	190	161	2.3	33	0.1	6.9

AIR HANDLING SCHEDULE - CONT.

	COOLING COIL (3 REQUIRED)												FILTER								HUMIDIFIER (NOTE 2)					MAX. DIMENSIONS			WEIGHT				
													PRE-FILTER				FINAL-FILTER																
															PRESSURE DROP				PRESSURE DROP														
TAG NAME	EAT DB °F	EAT WB °F	LAT DB °F	LAT WB °F	EWT °F	LWT °F	GPM	TOTAL MBH	SENSIBLE MBH	MAX. A.P.D. IN. W.C.	W.P.D. FEET HEAD	CFM	TYPE	FACE VELOCITY	DIRTY	CLEAN	TYPE	FACE VELOCITY	DIRTY	CLEAN	TYPE	CFM	STEAM CAPACITY (LBS/HR)	STEAM PSIG	MANUFACTURER	LENGTH	WIDTH	HEIGHT	DRY	OPERATING	MANUFACTURER	MODEL	NOTES
AHU-E-8	80.0	67.0	51.0	50.8	43	58	311.0	2330	1530	0.8	15.0	50000	MERV 8	463	0.4	0.9	MERV 14	463	0.6	1.2	PRESSURIZED STEAM DISPERSION PANEL	50000	410	5	DRI-STEEM ULTRA SORB MP	42' 1"	10' 4"	13' 4"	38000	0	TEMTROL	ITF	3,4,5,6
AHU-E-9	80.0	67.0	51.0	50.8	43	58	186.0	1400	918	0.8	15.0	30000	MERV 8	500	0.4	0.8	MERV 14	500	0.6	1.2	PRESSURIZED STEAM DISPERSION PANEL	28000	230	5	DRI-STEEM ULTRA SORB MP	42' 1"	10' 4"	13' 4"	41000	41600	TEMTROL	ITF	3,4,7,8,9
AHU-E-10	0.0	0.0	0.0	0.0	0	0	0.0	0	0	0.0	0.0	0		0	0.0	0.0		0	0.0	0.0		0	0	0		0	0	0	0	0			TAG AHU-E-10 IS RESERVED FOR A FUTURE AHU TO SERVE LEVEL 4
AHU-E-11	80.0	67.0	58.0	57.0	43	53	6.0	31	23	0.2	3.9	1000	MERV 8	282	0.2	0.5		0	0.0	0.0		0	0	0		38.1	37.8	18	0	0	MAGICAIRE	HCA-12	10
AHU-E-12	80.0	67.0	58.0	57.0	43	53	6.0	31	23	0.2	3.9	1000	MERV 8	282	0.2	0.5		0	0.0	0.0		0	0	0		38.1	37.8	18	0	0	MAGICAIRE	HCA-12	10
AHU-E-13	80.0	67.0	58.0	57.0	43	53	6.0	31	23	0.2	3.9	1000	MERV 8	282	0.2	0.5		0	0.0	0.0		0	0	0		38.1	37.8	18	0	0	MAGICAIRE	HCA-12	10

COIL SCHEDULE - WATER

NOTES:
1.HEATING COIL SELECTION SHALL BE BASED ON A FIXED LEAVING AIR TEMPERATURE AND VARIABLE FLOW (GPM). PROVIDE FINAL MAXIMUM FLOW RATE (GPM) TO TEST & BALANCE AND TEMPERATURE CONTROL CONTRACTORS.

			EAT	LAT	TOTAL	A.P.D. IN.				W.P.D. FT.	MAX. DIMENSIONS				
TAG NAME	AREA SERVED	CFM	DB °F	DB °F	MBH	W.C.	EWT °F	LWT °F	GPM	HEAD	WIDTH	HEIGHT	MANUFACTURER	MODEL	NOTES
RHC-1E226	OR-226	2200	45.0	85.0	95	0.40	190	160	6.3	5.0	24	14	CRC		
RHC-1E228	OR-228	2200	45.0	85.0	95	0.40	190	160	6.3	5.0	24	14	CRC		
RHC-1E230	OR-230	1470	45.0	85.0	64	0.40	190	160	4.3	5.0	20	14	CRC		

DUCT HUMIDIFIER SCHEDULE

NOTES:
1.STEAM PRESSURE INDICATED IS THE PRESSURE AVAILABLE DOWNSTREAM OF THE CONTROL VALVE.

		DUCT HUMIDIFIER								
					DUCT SIZE					
TAG NAME	AREA SERVED	CFM	STEAM CAPACITY LB/HR	STEAM PSIG	WIDTH	HEIGHT	MAXIMUM ABSORPTION DISTANCE (IN.)	MANUFACTURER	MODEL	NOTES
DH-1E226	OR-226	2200	24.1	5	24"	14"	24	DRI-STEEM	MINI-BANK	
DH-1E228	OR-228	2200	24.1	5	24"	14"	24	DRI-STEEM	MINI-BANK	
DH-1E230	OR-230	1470	16.1	5	20"	14"	24	DRI-STEEM	MINI-BANK	

CABINET HEATER SCHEDULE - HOT WATER

NOTES:
1.COORDINATE COLOR SELECTION WITH ARCHITECT.

										CABINET (NOTE 1)			ELECTRICAL								
																	DISCONNECT				
TAG NAME	AREA SERVED	CONFIGURATION	NOMINAL CFM	MBH	GPM	EWT °F	LWT °F	MAX W.P.D. FT. HD	CONTROL TYPE	HEIGHT	WIDTH	DEPTH	FAN HP	RPM	VOLTAGE	PHASES	BY (NOTE A)	TYPE (NOTE B)	MANUFACTURER	MODEL	NOTES
CAB-1	LEVEL 01	INVERTED VERTICAL CABINET WITH FRONT INLET, FRONT OUTLET	600	44000	2.9	180	160	5.00	3 SPEED FAN CONTROL WITH ON/OFF SW. W/BUILT IN THERMOSTAT	27"	10"	33"	0.1	0	120	1	MFR	NF	TRANE	FFMB020	NOTE 1
CAB-2	LEVEL 01	INVERTED VERTICAL CABINET WITH FRONT INLET, FRONT OUTLET	600	44000	2.9	180	160	5.00	3 SPEED FAN CONTROL WITH ON/OFF SW. W/BUILT IN THERMOSTAT	26"	10"	43"	0.1	0	120	1	MFR	NF	SIGMA	SFF-A-06	NOTE 1
CAB-3	LEVEL 01	INVERTED VERTICAL CABINET WITH FRONT INLET, FRONT OUTLET	600	44000	2.9	180	160	5.00	3 SPEED FAN CONTROL WITH ON/OFF SW. W/BUILT IN THERMOSTAT	26"	10"	43"	0.1	0	120	1	MFR	NF	SIGMA	SFF-A-06	NOTE 1
CAB-4	LEVEL 01	INVERTED VERTICAL CABINET WITH FRONT INLET, FRONT OUTLET	600	44000	2.9	180	160	5.00	3 SPEED FAN CONTROL WITH ON/OFF SW. W/BUILT IN THERMOSTAT	26"	10"	43"	0.1	0	120	1	MFR	NF	SIGMA	SFF-A-06	NOTE 1

UNIT HEATER SCHEDULE - HOT WATER

NOTES:
1.

									ELECTRICAL								
													DISCONNECT				
TAG NAME	AREA SERVED	CONFIGURATION	CFM	MBH	GPM	EWT °F	LWT °F	W.P.D. FT. HEAD	HP	RPM	VOLTAGE	PHASES	BY (NOTE A)	TYPE (NOTE B)	MANUFACTURER	MODEL	NOTES
UH-E-01	LEVEL 01 MECH RM.	HORIZONTAL	840	22.1	1.5	180	0	5.0	0.1	1550	120	1	EC	NF	SIGMA	0404H	
UH-E-02	LEVEL 01 MECH RM.	HORIZONTAL	840	22.1	1.5	180	0	5.0	0.1	1550	120	1	EC	NF	SIGMA	0404H	

SCHEDULE GENERAL NOTES:

A. DISCONNECT AND CONTROLLER STARTER FURNISHED AND INSTALLED BY:
MFR = MANUFACTURER
EC = ELECTRICAL CONTRACTOR.
MC = FURNISHED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.
MFREC = FURNISHED LOOSE BY MANUFACTURER INSTALLED BY ELECTRICAL CONTRACTOR....

B. DISCONNECT TYPE:
F = FUSED
NF = NON-FUSED

C. CONTROLLER STARTER TYPE:
FV = FULL VOLTAGE
WYE = WYE-DELTA
SS = SOLID STATE (SOFT START)
MS = MANUAL STARTER
VFD = VARIABLE FREQUENCY DRIVE
VFD/B = VARIABLE FREQUENCY DRIVE WITH BYPASS

D. FAN RPM SHALL NOT EXCEED 110% OF SCHEDULED VALUE, WITH THE SCHEDULED WHEEL TYPE. SUBSTITUTION OF BI OR BIA FANS FOR FC IS ACCEPTABLE IF EFFICIENCY IS NOT LOWER.

E. NO EQUIPMENT SHALL BE SELECTED ABOVE 90% OF MOTOR NAME PLATE RATING.

F. MUST BE WITHIN +/- 10% OF SCHEDULED RPM.

G. CURB TYPE:
MFR = STANDARD CURB BY MANUFACTURER
GC = BY GENERAL CONTRACTOR
SAC = SOUND ATTENUATOR CURB

IMEG
1600 BALTIMORE
SUITE 300
KANSAS CITY, MO 64108
P: 816.842.8437
www.imegcorp.com
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REF. SCALE IN INCHES
PROJECT #21006783.00

RELEASED FOR CONSTRUCTION
As noted on drawings
Development Services Department
Summit, Missouri
01/16/2024

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER 2-22817
PROFESSIONAL ENGINEER
1/16/2023

Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	MJO/MJL/CL
Checked By	MJL/BEH

Revision

Number	Date	Description

M600

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MECHANICAL SCHEDULES

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021\MEP21_21006783.00_SLH-East ASC Addition_C.rvt

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TERMINAL AIR BOX SCHEDULE - SINGLE DUCT - AHU-E-1

NOTES:
1.NEITHER RADIATED NOR DISCHARGE SOUND LEVELS SHALL EXCEED NC 35 AT 1.5" INLET STATIC PRESSURE WHEN TESTED PER AHRI STANDARD 885-2008 USING 5/8" 20-LB DENSITY MINERAL FIBER CEILING TILE.
2.TOTAL AIR PRESSURE DROP OF TAB AND REHEAT COIL SHALL NOT EXCEED 0.50" WC.
3.REFER TO CONTROL DRAWINGS FOR DESCRIPTION OF CONTROL TYPE.
4.SENSOR TYPES: 1 - SENSOR ONLY, 2 - SENSOR WITH ADJUSTMENT, 3 - SENSOR WITH OVERRIDE, 4 - SENSOR WITH ADJUSTMENT AND OVERRIDE.
5.HEATING COIL IS BASED ON HEATING AIR FLOW. WATER PRESSURE DROP OF REHEAT COILS SHALL NOT EXCEED 5'. PROVIDE REHEAT COILS SEPARATE FROM BOXES IF REQUIRED TO MEET WATER PRESSURE DROP REQUIREMENTS....

	CFM			HEATING COIL (NOTES 5, 6)						
TAG NAME	COOLING MAX.	HEATING MAX.	MIN.	EAT °F	LAT °F	EWT °F	MAX. GPM	MIN. INLET SIZE (IN.) DIA.	MANUFACTURER	MODEL (NOTES 1, 2)	NOTES
E1-1	210	210	210	55.0	85.0	180	0.5	5"	TITUS	DESV	NOTES 1, 2, 3
E1-3-E	1560	1560	1560	55.0	85.0	180	3.4	14"	TITUS	DESV	EXISTING, BALANCE AS INDICATD
E1-4-E	160	160	160	55.0	85.0	180	0.3	5"	TITUS	DESV	EXISTING, BALANCE AS INDICATD
E1-5	210	210	210	55.0	85.0	180	0.5	5"	TITUS	DESV	NOTES 1, 2, 3
E1-6	210	210	210	55.0	85.0	180	0.5	5"	TITUS	DESV	NOTES 1, 2, 3
E1-7	1670	1670	1670	55.0	85.0	180	3.6	14"	TITUS	DESV	NOTES 1, 2, 3
E1-8	210	210	210	55.0	85.0	180	0.5	5"	TITUS	DESV	NOTES 1, 2, 3
E1-9	210	210	210	55.0	85.0	180	0.5	5"	TITUS	DESV	NOTES 1, 2, 3
E1-10-E	1120	1120	1120	55.0	85.0	180	2.4	10"	TITUS	DESV	EXISTING, BALANCE AS INDICATD
E1-11-E	1000	0	0	0.0	0.0			10"	TITUS	DESV	EXISTING, BALANCE AS INDICATD
E1-12	210	210	210	55.0	85.0	180	0.5	5"	TITUS	DESV	NOTES 1, 2, 3
E1-13-E	510	510	510	55.0	85.0	180	1.1	10"	TITUS	DESV	EXISTING, BALANCE AS INDICATD
E1-14-E	600	600	600	55.0	85.0	180	1.3	8"	TITUS	DESV	EXISTING, BALANCE AS INDICATD
E1-15-E	300	0	0	0.0	0.0			5"	TITUS	DESV	EXISTING, BALANCE AS INDICATD
E1-16-E	680	680	200	55.0	85.0	180	1.5	8"	TITUS	DESV	NOTES 1, 2, 3
E1-17-E	680	680	200	55.0	85.0	180	1.5	8"	TITUS	DESV	NOTES 1, 2, 3
E1-18-E	220	220	220	55.0	85.0	180	0.5	8"	TITUS	DESV	EXISTING, BALANCE AS INDICATD
E1-19-E	460	460	460	55.0	85.0	180	1.0	8"	TITUS	DESV	EXISTING, BALANCE AS INDICATD
E1-20-E	80	80	80	55.0	85.0	185	0.2	6"	TITUS	DESV	EXISTING, NOTES 1, 2
E1-21-E	2000	2000	2000	55.0	85.0	180	4.3	16"	TITUS	DESV	EXISTING, NOTES 1, 2
E1-22-E	170	170	170	55.0	100.0	180	0.6	5"	TITUS	DESV	EXISTING, NOTES 1, 2
E1-23-E	200	200	200	55.0	100.0	180	0.6	8"	TITUS	DESV	EXISTING, NOTES 1, 2
E1-24-E	1350	1350	1350	55.0	85.0	180	2.9	14"	TITUS	DESV	EXISTING, NOTES 1, 2
E1-25-E	600	600	600	55.0	85.0	180	1.3	4"	TITUS	DESV	EXISTING, NOTES 1, 2
E1-26-E	2000	2000	2000	55.0	85.0	180	4.3	16"	TITUS	DESV	EXISTING, BALANCE AS INDICATD
E1-27	240	240	270	55.0	85.0	185	0.5	6"	TITUS	DESV	NOTES 1, 2, 3
E1-28-E	2000	2000	2000	55.0	85.0	180	4.3	16"	TITUS	DESV	EXISTING, BALANCE AS INDICATD
E1-29-E	440	440	440	55.0	85.0	180	1.0	12"	TITUS	DESV	EXISTING, BALANCE AS INDICATD
E1-30-E	420	420	420	55.0	85.0	180	0.9	4"	TITUS	DESV	EXISTING, BALANCE AS INDICATD
E1-31-E	900	900	300	55.0	100.0	180	2.9	16"	TITUS	DESV	EXISTING, BALANCE AS INDICATD
E1-32-E	1200	1200	360	55.0	100.0	180	3.9	14"	TITUS	DESV	EXISTING, BALANCE AS INDICATD
E1-33-E	3000	3000	1000	55.0	85.0	180	6.5	16"	TITUS	DESV	EXISTING, BALANCE AS INDICATD
E1-34-E	1000	1000	300	55.0	85.0	180	2.2	12"	TITUS	DESV	EXISTING, BALANCE AS INDICATD
E1-35-E	800	0	0	0.0	0.0			10"	TITUS	DESV	EXISTING, BALANCE AS INDICATD
E1-36-E	1400	0	0	0.0	0.0			12"	TITUS	DESV	EXISTING, BALANCE AS INDICATD

TERMINAL AIR BOX SCHEDULE - SINGLE DUCT - AHU-E-8

NOTES:
1.NEITHER RADIATED NOR DISCHARGE SOUND LEVELS SHALL EXCEED NC 35 AT 1.5" INLET STATIC PRESSURE WHEN TESTED PER AHRI STANDARD 885-2008 USING 5/8" 20-LB DENSITY MINERAL FIBER CEILING TILE.
2.TOTAL AIR PRESSURE DROP OF TAB AND REHEAT COIL SHALL NOT EXCEED 0.50" WC.
3.REFER TO CONTROL DRAWINGS FOR DESCRIPTION OF CONTROL TYPE.
4.SENSOR TYPES: 1 - SENSOR ONLY, 2 - SENSOR WITH ADJUSTMENT, 3 - SENSOR WITH OVERRIDE, 4 - SENSOR WITH ADJUSTMENT AND OVERRIDE.
5.HEATING COIL IS BASED ON HEATING AIR FLOW. WATER PRESSURE DROP OF REHEAT COILS SHALL NOT EXCEED 5'. PROVIDE REHEAT COILS SEPARATE FROM BOXES IF REQUIRED TO MEET WATER PRESSURE DROP REQUIREMENTS....

	CFM			HEATING COIL (NOTES 5, 6)						
TAG NAME	COOLING MAX.	HEATING MAX.	MIN.	EAT °F	LAT °F	EWT °F	MAX. GPM	MIN. INLET SIZE (IN.) DIA.	MANUFACTURER	MODEL (NOTES 1, 2)	NOTES
E8-1	1350	1350	1350	55.0	85.0	180	2.9	8"	TITUS	DESV	NOTES 1, 2, 3
E8-2	1240	1240	1240	55.0	85.0	180	2.7	8"	TITUS	DESV	NOTES 1, 2, 3
E8-3	1800	1800	1800	55.0	85.0	180	3.9	12"	TITUS	DESV	NOTES 1, 2, 3
E8-4	950	950	950	55.0	85.0	180	2.1	8"	TITUS	DESV	NOTES 1, 2, 3
E8-5	230	230	230	55.0	85.0	185	0.5	6"	TITUS	DESV	NOTES 1, 2, 3
E8-6	2800	2800	2800	55.0	100.0	180	9.1	16"	TITUS	DESV	NOTES 1, 2, 3
E8-7	220	220	220	55.0	85.0	180	0.5	5"	TITUS	DESV	NOTES 1, 2, 3
E8-8	930	930	930	55.0	85.0	180	2.0	8"	TITUS	DESV	NOTES 1, 2, 3
E8-9	540	540	540	55.0	100.0	180	1.7	8"	TITUS	DESV	NOTES 1, 2, 3
E8-10	80	80	80	55.0	85.0	180	0.2	8"	TITUS	DESV	NOTES 1, 2, 3
E8-11	120	120	120	55.0	85.0	180	0.3	8"	TITUS	DESV	NOTES 1, 2, 3
E8-12	130	130	120	55.0	100.0	180	0.4	5"	TITUS	DESV	NOTES 1, 2, 3
E8-13	820	820	410	55.0	85.0	180	1.8	10"	TITUS	DESV	NOTES 1, 2, 3
E8-14	510	510	260	55.0	100.0	180	1.7	8"	TITUS	DESV	NOTES 1, 2, 3
E8-15	390	390	200	55.0	85.0	185	0.8	6"	TITUS	DESV	NOTES 1, 2, 3
E8-16	480	480	240	55.0	85.0	180	1.0	8"	TITUS	DESV	NOTES 1, 2, 3
E8-17	495	495	250	55.0	85.0	180	1.1	8"	TITUS	DESV	NOTES 1, 2, 3
E8-18	1210	1210	610	55.0	85.0	180	2.6	12"	TITUS	DESV	NOTES 1, 2, 3
E8-19	790	790	400	55.0	85.0	180	1.8	12"	TITUS	DESV	NOTES 1, 2, 3
E8-20	370	370	190	55.0	85.0	185	0.8	6"	TITUS	DESV	NOTES 1, 2, 3
E8-21	1090	1090	550	55.0	100.0	180	3.5	10"	TITUS	DESV	NOTES 1, 2, 3
E8-23	1200	1200	600	55.0	100.0	180	3.9	12"	TITUS	DESV	NOTES 1, 2, 3
E8-24	655	655	330	55.0	85.0	180	1.4	8"	TITUS	DESV	NOTES 1, 2, 3
E8-25	630	630	320	55.0	85.0	180	1.4	8"	TITUS	DESV	NOTES 1, 2, 3
E8-26	855	855	430	55.0	100.0	180	2.8	10"	TITUS	DESV	NOTES 1, 2, 3
E8-27	920	920	460	55.0	100.0	180	3.0	10"	TITUS	DESV	NOTES 1, 2, 3
E8-28	780	780	390	55.0	100.0	180	2.5	10"	TITUS	DESV	NOTES 1, 2, 3
E8-29	420	420	210	55.0	100.0	180	1.4	8"	TITUS	DESV	NOTES 1, 2, 3
E8-30	220	220	110	55.0	85.0	185	0.5	6"	TITUS	DESV	NOTES 1, 2, 3
E8-31	390	390	200	55.0	85.0	185	0.8	6"	TITUS	DESV	NOTES 1, 2, 3
E8-32	700	700	350	55.0	100.0	180	2.3	8"	TITUS	DESV	NOTES 1, 2, 3
E8-33	320	320	160	55.0	100.0	185	1.0	6"	TITUS	DESV	NOTES 1, 2, 3
E8-34	900	900	450	55.0	85.0	180	1.9	8"	TITUS	DESV	NOTES 1, 2, 3
E8-35	650	650	330	55.0	85.0	180	1.4	8"	TITUS	DESV	NOTES 1, 2, 3
E8-36	450	450	230	55.0	85.0	180	1.0	8"	TITUS	DESV	NOTES 1, 2, 3
E8-37	680	680	340	55.0	85.0	180	1.5	8"	TITUS	DESV	NOTES 1, 2, 3
E8-38	655	655	330	55.0	85.0	180	1.4	8"	TITUS	DESV	NOTES 1, 2, 3
E8-39	450	450	230	55.0	85.0	180	1.0	8"	TITUS	DESV	NOTES 1, 2, 3
E8-40	680	680	340	55.0	85.0	180	1.5	8"	TITUS	DESV	NOTES 1, 2, 3
E8-41	670	670	340	55.0	85.0	180	1.4	8"	TITUS	DESV	NOTES 1, 2, 3
E8-42	440	440	220	55.0	85.0	180	1.0	8"	TITUS	DESV	NOTES 1, 2, 3
E8-43	1110	1110	560	55.0	85.0	180	2.4	10"	TITUS	DESV	NOTES 1, 2, 3
E8-44	920	920	460	55.0	85.0	180	2.0	10"	TITUS	DESV	NOTES 1, 2, 3
E8-45	470	470	240	55.0	85.0	180	1.0	8"	TITUS	DESV	NOTES 1, 2, 3
E8-46	1760	1760	880	55.0	85.0	180	3.8	14"	TITUS	DESV	NOTES 1, 2, 3
E8-47	280	280	140	55.0	100.0	185	0.9	6"	TITUS	DESV	NOTES 1, 2, 3

SUPPLY/RETURN/EXHAUST AIR VALVE SCHEDULE

NOTES:
1.PROVIDE ROOM INTEGRATOR TO CONNECT DIRECTLY TO FMCS VIA NETWORK.
2.FAST ACTING VALVE. REFER TO CONTROL DRAWINGS FOR DESCRIPTION OF CONTROL TYPE.

						AV SIZE, CONFIGURATION					
TAG NAME	AREA SERVED	COOLING MAX.	MIN.	HEATING MAX.	PRESSURE DROP	MIN. INLET SIZE (IN.) DIA.	CONFIGURATION	CONTROL TYPE (NOTE 4)	MANUFACTURER	MODEL	NOTES
RAV-1E226	OR-226	1900	1900	1900	0.17	14"	HORIZONTAL	VARIABLE VOLUME WITH ELECTRIC ACTUATOR AND FLOW FEEDBACK	CRC	CRC-CLV-14	
RAV-1E228	OR-228	1950	1950	1950	0.17	14"	HORIZONTAL	VARIABLE VOLUME WITH ELECTRIC ACTUATOR AND FLOW FEEDBACK	CRC	CRC-CLV-14	
RAV-1E230	OR-230	1170	1170	1170	0.07	14"	HORIZONTAL	VARIABLE VOLUME WITH ELECTRIC ACTUATOR AND FLOW FEEDBACK	CRC	CRC-CLV-14	
SAV-1E226	OR-226	2200	2200	2200	0.17	14"	HORIZONTAL	VARIABLE VOLUME WITH ELECTRIC ACTUATOR AND FLOW FEEDBACK	CRC	CRC-CLV-14	
SAV-1E228	OR-228	2250	2250	2250	0.17	14"	HORIZONTAL	VARIABLE VOLUME WITH ELECTRIC ACTUATOR AND FLOW FEEDBACK	CRC	CRC-CLV-14	
SAV-1E230	OR-230	1470	1470	1470	0.07	14"	HORIZONTAL	VARIABLE VOLUME WITH ELECTRIC ACTUATOR AND FLOW FEEDBACK	CRC	CRC-CLV-14	

TERMINAL AIR BOX SCHEDULE - SINGLE DUCT - AHU-E-3

NOTES:
1.NEITHER RADIATED NOR DISCHARGE SOUND LEVELS SHALL EXCEED NC 35 AT 1.5" INLET STATIC PRESSURE WHEN TESTED PER AHRI STANDARD 885-2008 USING 5/8" 20-LB DENSITY MINERAL FIBER CEILING TILE.
2.TOTAL AIR PRESSURE DROP OF TAB AND REHEAT COIL SHALL NOT EXCEED 0.50" WC.
3.REFER TO CONTROL DRAWINGS FOR DESCRIPTION OF CONTROL TYPE.
4.SENSOR TYPES: 1 - SENSOR ONLY, 2 - SENSOR WITH ADJUSTMENT, 3 - SENSOR WITH OVERRIDE, 4 - SENSOR WITH ADJUSTMENT AND OVERRIDE.
5.HEATING COIL IS BASED ON HEATING AIR FLOW. WATER PRESSURE DROP OF REHEAT COILS SHALL NOT EXCEED 5'. PROVIDE REHEAT COILS...

	CFM			HEATING COIL (NOTES 5, 6)						
TAG NAME	COOLING MAX.	HEATING MAX.	MIN.	EAT °F	LAT °F	EWT °F	MAX. GPM	MANUFACTURER	MODEL (NOTES 1, 2)	NOTES
E3-101	950	950	480	55.0	100.0	180	3.1	TITUS	DESV	NOTES 1, 2,3
E3-102	400	400	200	55.0	85.0	185	0.9	TITUS	DESV	NOTES 1, 2,3
E3-103	240	240	120	55.0	85.0	185	0.5	TITUS	DESV	NOTES 1, 2,3
E3-104	950	950	480	55.0	85.0	180	2.1	TITUS	DESV	NOTES 1, 2,3
E3-105	600	600	300	55.0	85.0	180	1.3	TITUS	DESV	NOTES 1, 2,3
E3-106	800	800	400	55.0	85.0	180	1.8	TITUS	DESV	NOTES 1, 2,3
E3-107	610	610	320	55.0	100.0	180	2.0	TITUS	DESV	NOTES 1, 2,3
E3-108	810	810	420	55.0	100.0	180	2.6	TITUS	DESV	NOTES 1, 2,3
E3-109	295	295	150	55.0	85.0	185	0.6	TITUS	DESV	NOTES 1, 2,3
E3-110	170	170	90	55.0	85.0	185	0.4	TITUS	DESV	NOTES 1, 2,3
E3-111	780	780	390	55.0	100.0	180	2.5	TITUS	DESV	NOTES 1, 2,3
E3-112	360	360	180	55.0	100.0	185	1.2	TITUS	DESV	NOTES 1, 2,3

TERMINAL AIR BOX SCHEDULE - SINGLE DUCT - AHU-E-4

NOTES:
1.NEITHER RADIATED NOR DISCHARGE SOUND LEVELS SHALL EXCEED NC 35 AT 1.5" INLET STATIC PRESSURE WHEN TESTED PER AHRI STANDARD 885-2008 USING 5/8" 20-LB DENSITY MINERAL FIBER CEILING TILE.
2.TOTAL AIR PRESSURE DROP OF TAB AND REHEAT COIL SHALL NOT EXCEED 0.50" WC.
3.REFER TO CONTROL DRAWINGS FOR DESCRIPTION OF CONTROL TYPE.
4.SENSOR TYPES: 1 - SENSOR ONLY, 2 - SENSOR WITH ADJUSTMENT, 3 - SENSOR WITH OVERRIDE, 4 - SENSOR WITH ADJUSTMENT AND OVERRIDE.
5.HEATING COIL IS BASED ON HEATING AIR FLOW. WATER PRESSURE DROP OF REHEAT COILS SHALL NOT EXCEED 5'. PROVIDE REHEAT COILS SEPARATE FROM BOXES IF REQUIRED TO MEET WATER PRESSURE DROP REQUIREMENTS....

	CFM			HEATING COIL (NOTES 5, 6)							
TAG NAME	COOLING MAX.	HEATING MAX.	MIN.	EAT °F	LAT °F	EWT °F	MAX. GPM	MIN. INLET SIZE (IN.) DIA.	MANUFACTURER	MODEL (NOTES 1, 2)	NOTES
E4-1-E	600	600	200	55.0	100.0	180	1.9	8"	TITUS	DESV	EXISTING, NOTES 1, 2
E4-2-E	1695	1695	510	55.0	100.0	180	5.5	12"	TITUS	DESV	EXISTING, NOTES 1, 2
E4-3-E	360	360	360	55.0	85.0	185	0.8	6"	TITUS	DESV	EXISTING, NOTES 1, 2
E4-4-E	510	510	510	55.0	85.0	180	1.1	7"	TITUS	DESV	EXISTING, NOTES 1, 2
E4-5-E	390	390	390	55.0	85.0	180	0.8	8"	TITUS	DESV	EXISTING, NOTES 1, 2
E4-6-E	2035	2035	2035	55.0	85.0	180	4.4	14"	TITUS	DESV	EXISTING, NOTES 1, 2
E4-7-E	360	360	360	55.0	85.0	180	0.8	8"	TITUS	DESV	EXISTING, NOTES 1, 2
E4-8-E	200	0	0	0.0	0.0			5"	TITUS	DESV	EXISTING, NOTES 1, 2
E4-9-E	2000	2000	2000	55.0	85.0	180	4.3	14"	TITUS	DESV	EXISTING, NOTES 1, 2
E4-10-E	380	380	380	55.0	85.0	180	0.8	10"	TITUS	DESV	EXISTING, NOTES 1, 2
E4-11-E	900	0	0	0.0	0.0			9"	TITUS	DESV	EXISTING, NOTES 1, 2
E4-12-E	460	460	460	55.0	85.0	180	1.0	7"	TITUS	DESV	EXISTING, NOTES 1, 2
E4-13-E	1260	1260	1260	55.0	85.0	180	2.7	12"	TITUS	DESV	EXISTING, NOTES 1, 2
E4-14-E	2000	2000	2000	55.0	85.0	180	4.3	14"	TITUS	DESV	EXISTING, NOTES 1, 2
E4-15-E	580	580	580	55.0	85.0	180	1.3	8"	TITUS	DESV	EXISTING, NOTES 1, 2
E4-16-E	800	800	800	55.0	85.0	180	1.7	8"	TITUS	DESV	EXISTING, NOTES 1, 2
E4-20-E	2370	2370	2370	55.0	100.0	180	7.7	14"	TITUS	DESV	EXISTING, NOTES 1, 2
E4-21	900	900	900	55.0	100.0	180	2.9	10"	TITUS	DESV	NOTES 1, 2
E4-22	250	250	250	55.0	85.0	185	0.5	6"	TITUS	DESV	NOTES 1, 2
E4-23	1000	1000	1000	55.0	100.0	180	3.2	12"	TITUS	DESV	NOTES 1, 2
E4-24	1150	1150	1150	55.0	100.0	180	3.7	12"	TITUS	DESV	NOTES 1, 2
E4-25	380	380	380	55.0	100.0	180	1.2	7"	TITUS	DESV	NOTES 1, 2
E4-26	380	380	380	55.0	85.0	180	0.8	7"	TITUS	DESV	NOTES 1, 2
E4-27	380	380	380	55.0	85.0	180	0.8	7"	TITUS	DESV	NOTES 1, 2
E4-28	450	450	450	55.0	85.0	180	1.0	7"	TITUS	DESV	NOTES 1, 2
E4-29	870	870	870	55.0	85.0	180	1.9	10"	TITUS	DESV	NOTES 1, 2
E4-30	1060	1060	1060	55.0	85.0	180	2.3	10"	TITUS	DESV	NOTES 1, 2
E4-31	120	120	120	55.0	100.0	180	0.4	5"	TITUS	DESV	NOTES 1, 2

TERMINAL AIR BOX SCHEDULE - SINGLE DUCT - AHU-E-9

NOTES:
1.NEITHER RADIATED NOR DISCHARGE SOUND LEVELS SHALL EXCEED NC 35 AT 1.5" INLET STATIC PRESSURE WHEN TESTED PER AHRI STANDARD 885-2008 USING 5/8" 20-LB DENSITY MINERAL FIBER CEILING TILE.
2.TOTAL AIR PRESSURE DROP OF TAB AND REHEAT COIL SHALL NOT EXCEED 0.50" WC.
3.REFER TO CONTROL DRAWINGS FOR DESCRIPTION OF CONTROL TYPE.
4.SENSOR TYPES: 1 - SENSOR ONLY, 2 - SENSOR WITH ADJUSTMENT, 3 - SENSOR WITH OVERRIDE, 4 - SENSOR WITH ADJUSTMENT AND OVERRIDE.
5.HEATING COIL IS BASED ON HEATING AIR FLOW. WATER PRESSURE DROP OF REHEAT COILS SHALL NOT EXCEED 5'. PROVIDE REHEAT COILS SEPARATE FROM BOXES IF REQUIRED TO MEET WATER PRESSURE DROP REQUIREMENTS....

	CFM			HEATING COIL (NOTES 5, 6)							
TAG NAME	COOLING MAX.	HEATING MAX.	MIN.	EAT °F	LAT °F	EWT °F	MAX. GPM	MIN. INLET SIZE (IN.) DIA.	MANUFACTURER	MODEL (NOTES 1, 2)	NOTES
E9-1	470	240	240	55.0	100.0	180	0.8	8"	TITUS	DESV	NOTES 1, 2
E9-2	350	180	180	55.0	95.0	185	0.6	6"	TITUS	DESV	NOTES 1, 2
E9-3	550	280	280	55.0	100.0	180	0.9	8"	TITUS	DESV	NOTES 1, 2
E9-4	160	80	80	55.0	100.0	185	0.3	6"	TITUS	DESV	NOTES 1, 2
E9-5	410	210	210	55.0	100.0	180	0.7	8"	TITUS	DESV	NOTES 1, 2
E9-6	490	250	250	55.0	100.0	180	0.8	8"	TITUS	DESV	NOTES 1, 2
E9-7	480	240	240	55.0	100.0	180	0.8	8"	TITUS	DESV	NOTES 1, 2
E9-8	810	410	410	55.0	85.0	180	0.9	10"	TITUS	DESV	NOTES 1, 2
E9-9	850	430	430	55.0	85.0	180	0.9	10"	TITUS	DESV	NOTES 1, 2
E9-10	650	330	330	55.0	85.0	180	0.7	8"	TITUS	DESV	NOTES 1, 2
E9-11	220	220	220	55.0	85.0	185	0.5	6"	TITUS	DESV	NOTES 1, 2
E9-12	870	440	440	55.0	85.0	180	1.0	10"	TITUS	DESV	NOTES 1, 2
E9-13	860	440	440	55.0	85.0	180	1.0	10"	TITUS	DESV	NOTES 1, 2
E9-14	950	480	480	55.0	100.0	180	1.6	10"	TITUS	DESV	NOTES 1, 2
E9-15	1350	680	680	55.0	100.0	180	2.2	12"	TITUS	DESV	NOTES 1, 2
E9-16	330	170	170	55.0	85.0	185	0.4	6"	TITUS	DESV	NOTES 1, 2
E9-17	330	170	170	55.0	85.0	185	0.4	6"	TITUS	DESV	NOTES 1, 2
E9-18	450	230	230	55.0	85.0	180	0.7	8"	TITUS	DESV	NOTES 1, 2
E9-19	390	0	0	55.0	0.0	185	0.0	6"	TITUS	DESV	NOTES 1, 2
E9-20	350	180	180	55.0	85.0	185	0.4	6"	TITUS	DESV	NOTES 1, 2
E9-21	790	400	400	55.0	85.0	180	0.9	10"	TITUS	DESV	NOTES 1, 2
E9-22	300	150	150	55.0	85.0	185	0.3	6"	TITUS	DESV	NOTES 1, 2
E9-23	1360	1360	1360	55.0	85.0	180	2.9	12"	TITUS	DESV	NOTES 1, 2
E9-24	170	170	170	55.0	85.0	185	0.4	6"	TITUS	DESV	NOTES 1, 2
E9-25	410	410	410	55.0	85.0	180	0.9	8"	TITUS	DESV	NOTES 1, 2
E9-26	410	410	410	55.0	85.0	180	0.9	8"	TITUS	DESV	NOTES 1, 2
E9-27	300	300	300	55.0	85.0	185	0.6	6"	TITUS	DESV	NOTES 1, 2
E9-28	790	400	400	55.0	100.0	180	1.3	10"	TITUS	DESV	NOTES 1, 2
E9-30	2100	1050	1050	55.0	100.0	180	3.4	16"	TITUS	DESV	NOTES 1, 2
E9-31	800	400	400	55.0	85.0	180	0.9	10"	TITUS	DESV	NOTES 1, 2
E9-32	680	680	680	55.0	85.0	180	1.5	8"	TITUS	DESV	NOTES 1, 2
E9-33	870	440	440	55.0	85.0	180	1.0	10"	TITUS	DESV	NOTES 1, 2
E9-34	680	680	680	55.0	85.0	180	1.5	8"	TITUS	DESV	NOTES 1, 2
E9-35	1250	630	630	55.0	85.0	180	1.4	12"	TITUS	DESV	NOTES 1, 2
E9-36	590	300	300	55.0	85.0	180	0.6	8"	TITUS	DESV	NOTES 1, 2
E9-37	860	430	430	55.0	100.0	180	1.4	10"	TITUS	DESV	NOTES 1, 2
E9-38	730	370	370	55.0	100.0	180	1.2	10"	TITUS	DESV	NOTES 1, 2
E9-39	120	60	60	55.0	100.0	185	0.2	6"	TITUS	DESV	NOTES 1, 2
E9-40	420	210	210	55.0	100.0	185	0.7	6"	TITUS	DESV	NOTES 1, 2
E9-41	190	100	100	55.0	100.0	185	0.3	6"	TITUS	DESV	NOTES 1, 2
E9-42	250	130	130	55.0	100.0	185	0.4	6"	TITUS	DESV	NOTES 1, 2
E9-42	110	60	60	55.0	100.0	185	0.2	6"	TITUS	DESV	NOTES 1, 2

SCHEDULE GENERAL NOTES:

A. DISCONNECT AND CONTROLLER STARTER FURNISHED AND INSTALLED BY:
MFR = MANUFACTURER
EC = ELECTRICAL CONTRACTOR.
MC = FURNISHED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.
MFR/EC = FURNISHED LOOSE BY MANUFACTURER INSTALLED BY ELECTRICAL CONTRACTOR....

B. DISCONNECT TYPE:
F = FUSED
NF = NON-FUSED

C. CONTROLLER STARTER TYPE:
FV = FULL VOLTAGE
WYE = WYE-DELTA
SS = SOLID STATE (SOFT START)
MS = MANUAL STARTER
VFD = VARIABLE FREQUENCY DRIVE
VFD/B = VARIABLE FREQUENCY DRIVE WITH BYPASS

D. FAN RPM SHALL NOT EXCEED 110% OF SCHEDULED VALUE. WITH THE SCHEDULED WHEEL TYPE. SUBSTITUTION OF BI OR BIA FANS FOR FC IS ACCEP

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LINEAR DIFFUSER SCHEDULE

NOTES:
1.PROVIDE CENTER T-BAR AND ONE (1) SIDE T-BAR.
2.PROVIDE ONE (1) SIDE T-BAR.
3.ADJUST PATTERN CONTROLLERS TO THROW HALF OF THE AIR VERTICALLY IN FRONT OF WINDOWS AND HALF HORIZONTALLY AWAY FROM WINDOWS.
4.CONTRACTOR SHALL DETERMINE PROPER MARGIN STYLE TO MATCH CEILING CONSTRUCTION.
5.PROVIDE CONCEALED FASTENERS (E.G. WALL CLIPS, HANGER CLIPS, SPLINE CLIPS, ETC.) AS REQUIRED, RE: ARCHITECTURAL DETAILS.

TAG NAME	MATERIAL	SLOT WIDTH	NO. OF SLOTS	WIDTH	LENGTH	PLENUM INSULATION TYPE	PLENUM INLET SIZE	FINISH	MANUFACTURER	MODEL	NOTES
LD-1	STEEL	1"	2	4"	4'-0"	WRAPPED	SEE DWG.	WHITE ON T-BARS, BLACK INTERIOR	TITUS	TBD-80	1,3
LD-2	STEEL	1"	1	2"	4'-0"	WRAPPED	SEE DWG.	WHITE ON T-BARS, BLACK INTERIOR	TITUS	TBD-80	2
LD-3	ALUMINUM DIFFUSER STEEL HARDWARE/PLENUM	1"	1	3 3/4"	4'-0"	WRAPPED	SEE DWG.	WHITE FACE, BLACK INTERIOR	TITUS	FL-10-HT	4,5
LD-4	ALUMINUM DIFFUSER STEEL HARDWARE/PLENUM	1"	1	3 3/4"	5'-0"	WRAPPED	SEE DWG.	WHITE FACE, BLACK INTERIOR	TITUS	FL-10-HT	4,5

AIR TERMINAL SCHEDULE

NOTES:
1.CONTRACTOR SHALL DETERMINE PROPER BORDER TYPE TO MATCH CEILING CONSTRUCTION.
2.REFER TO DRAWINGS FOR NECK SIZE. ALL BRANCH DUCTWORK TO AIR TERMINALS SHALL BE NECK SIZE UNLESS NOTED OTHERWISE.

TAG NAME	FACE SIZE (IN.) (NOTE 2)	TYPE	BORDER (NOTE 1)	MATERIAL	FINISH	VOLUME DAMPER REQUIRED	MANUFACTURER	MODEL	NOTES
EG-1	NECK +2	35 DEGREE DEFLECTION	1 1/4"	STEEL	WHITE	NO	TITUS	350R	
EG-*	24x24	PERFORATED FACE	LAY-IN	STEEL	WHITE	NO	TITUS	PAR	
LF-1	36x24	PERFORATED FACE	LAY-IN	STEEL	WHITE	YES	TITUS/PRICE	TLF/LFDC	LAMINAR FLOW WITH 99.97% EFFICIENT HEPA FILTER
LF-2	48x24	PERFORATED FACE	LAY-IN	STEEL	WHITE	YES	TITUS/PRICE	TLF/LFDC	LAMINAR FLOW WITH 99.97% EFFICIENT HEPA FILTER
RG-1	24x12	35 DEGREE DEFLECTION	LAY-IN	STEEL	WHITE	NO	TITUS	350R	DUCTED RETURN, OMIT SCREW HOLES
RG-2	24x24	35 DEGREE DEFLECTION	LAY-IN	STEEL	WHITE	NO	TITUS	350R	DUCTED RETURN, OMIT SCREW HOLES
RG-3	INLET +2	35 DEGREE DEFLECTION	1 1/4"	STEEL	WHITE	NO	TITUS	350R	DUCTED RETURN, BLADES PARALLEL TO SHORT DIMENSION
RG-4	24x12	35 DEGREE DEFLECTION	LAY-IN	STEEL	WHITE	NO	TITUS	350R	OMIT SCREW HOLES; PROVIDE WITH LINED BOOT, RE: SEPERATE DETAIL (CEILING RETURN GRILLE WITH BOOT)
RG-5	INLET +2	35 DEGREE DEFLECTION	1 1/4"	STEEL	WHITE	NO	TITUS	350R	
SD-1	24x24	SQUARE PLAQUE	LAY-IN	STEEL	WHITE	NO	TITUS	OMNI	FLUSH FACE PANEL
SD-2	12x12	SQUARE PLAQUE	LAY-IN	STEEL	WHITE	NO	TITUS	OMNI	
SG-1	INLET +2	DOUBLE DEFLECTION	1 1/4"	STEEL	WHITE	NO	TITUS	300R	FRONT BLADES VERTICAL UNLESS NOTED OTHERWISE

LOUVER SCHEDULE

NOTES:
1.FINISH TYPES: TYPE 1 - MILL FINISH, TYPE 2 - 204-R1 SATIN ANODIZED, TYPE 3 - BAKED ENAMEL FINISH ON PRETREATED PRIME PAINT. STANDARD COLOR - SELECTION BY ARCHITECT. TYPE 4 - BAKED EPOXY FINISH ON PRIME COATED METAL. STANDARD COLOR - SELECTION BY ARCHITECT. TYPE 5 - DURANODIC BRONZE - LIGHT, MEDIUM, DARK. TYPE 6 - PVDF (KYNAR 500, HYLAR 5000, OR DURANAR). STANDARD COLOR - SELECTION BY ARCHITECT.

TAG NAME	AREA SERVED	CFM	SIZE (INCHES) WIDTH	SIZE (INCHES) HEIGHT	FREE AREA VELOCITY	S.P. IN. W.C.	FINISH (NOTE 1)	MANUFACTURER	MODEL	NOTES
L-1	AHU-E-8 INTAKE	50000	216	84	735	0.13	TYPE 6	RUSKIN	ELF375DX	
L-2	AHU-E-8 RELIEF	45000	192	68	920	0.15	TYPE 6	RUSKIN	ELF375DX	

FAN SCHEDULE

NOTES:
1.EXHAUST FANS EF-E-4, 13, AND 14 ARE BEING DEMOLISHED AND TAGS ARE NOT BEING RE-USED.
2.FIELD-VERIFY VOLTAGE OF EXISTING FAN WITH SAME TAG (BEING DEMOLISHED) PRIOR TO PURCHASING NEW FAN.
3.INSTALL FAN ON EXISTING ROOF CURB. PROVIDE ADAPTOR CURB AS REQUIRED.
4.PROVIDE NEW CURB WITH DAMPER TRAY AND HINGED BASE KIT.
5.PROVIDE EC MOTOR WITH MOTOR-MOUNTED SPEED CONTROL KNOB.
6.PROVIDE PREMIUM-EFFICIENCY, VFD-READY MOTOR WITH SHAFT GROUNDING. FAN SHALL BE CONNECTED TO EXISTING VFD IN LEVEL 01 MECHANICAL ROOM (NEAR COLUMN LINES BB/1).
7.THIS FAN IS EXISTING TO REMAIN AND IS NOT USED (CURRENTLY SHUT DOWN AND NOT USED IN NEW DESIGN). CONTRACTOR MAY BE ABLE TO USE FAN TO MAINTAIN NEGATIVE AIR DURING CONSTRUCTION; CONTRACTOR TO FIELD-VERIFY.

TAG NAME	AREA SERVED	TYPE	DESIGN CFM	FAN CFM	S.P. IN. W.C.	WHEEL DIA. INCHES	FAN RPM (NOTE F)	DRIVE TYPE	MAX. AMCA SONES	BACKDRAFT DAMPER TYPE	CURB TYPE (NOTE G)	ELECTRICAL BHP	MHP	VOLTAGE	PHASES	DISCONNECT BY (NOTE A)	DISCONNECT TYPE (NOTE B)	CONTROLLER/ STARTER BY (NOTE A)	CONTROLLER/ STARTER TYPE (NOTE C)	WEIGHT	MANUFACTURER	MODEL	NOTES
EF-E-1	LVL 01 EXIST'G BLDG	DOWN BLAST CENTRIFUGAL	450	500	0.75	10	1687	DIRECT	10	ALUMINUM GRAVITY	EXISTING	0.13	0.25	115	1	MFR	NF	MFR	EC MOTOR	30	COOK	101C17D (VF)	2, 3, 5
EF-E-2-E	LVL 01 EXIST'G BLDG	DOWN BLAST CENTRIFUGAL	600	660	0.25	10	1005	BELT	4.6	GRAVITY	EXISTING	0.06	0.25	115	1	EXISTING	NF	EXISTING	MS	50	GREENHECK	GB-101-4	7
EF-E-3	LVL 01 EXIST'G BLDG	DOWN BLAST CENTRIFUGAL	450	500	0.75	10	1687	DIRECT	10	ALUMINUM GRAVITY	EXISTING	0.13	0.25	115	1	MFR	NF	MFR	EC MOTOR	30	COOK	101C17D (VF)	2, 3, 5
EF-E-5	LVL 01 EXIST'G BLDG	DOWN BLAST CENTRIFUGAL	600	720	0.75	10	1833	DIRECT	11.5	ALUMINUM GRAVITY	EXISTING	0.18	0.33	115	1	MFR	NF	MFR	EC MOTOR	40	COOK	101C28D (VF)	2, 3, 5
EF-E-6	LVL 01 EXIST'G BLDG	DOWN BLAST CENTRIFUGAL	450	500	0.75	10	1687	DIRECT	10	ALUMINUM GRAVITY	EXISTING	0.13	0.25	115	1	MFR	NF	MFR	EC MOTOR	30	COOK	101C17D (VF)	2, 3, 5
EF-E-7	LVL 01 EXIST'G BLDG	DOWN BLAST CENTRIFUGAL	800	960	0.75	12	1396	DIRECT	10.3	ALUMINUM GRAVITY	EXISTING	0.24	0.33	115	1	MFR	NF	MFR	EC MOTOR	40	COOK	120C17DOR92VF	2, 3, 5
EF-E-8	LVL 02 EXIST'G BLDG	DOWN BLAST CENTRIFUGAL	600	720	0.75	10	1833	DIRECT	11.5	ALUMINUM GRAVITY	EXISTING	0.18	0.33	115	1	MFR	NF	MFR	EC MOTOR	40	COOK	101C28D (VF)	2, 3, 5
EF-E-9	LVL 02 EXIST'G BLDG	DOWN BLAST CENTRIFUGAL	300	360	0.50	9	1559	DIRECT	6	ALUMINUM GRAVITY	EXISTING	0.07	0.17	115	1	MFR	NF	MFR	EC MOTOR	30	COOK	90C17DH (VF)	2, 3, 5
EF-E-10	LVL 01 EXIST'G BLDG & NEW ADD'N	UPBLAST CENTRIFUGAL	4980	6000	1.00	27	730	BELT	14.5	ALUMINUM GRAVITY	MFR	1.8	2	460	3	MFR	NF	EXISTING	VFD	280	COOK	27OR9B	4, 6
EF-E-11	LVL 01 EXIST'G BLDG	DOWN BLAST CENTRIFUGAL	475	570	1.00	10	1944	DIRECT	12.9	ALUMINUM GRAVITY	MFR	0.19	0.33	208	1	MFR	NF	MFR	EC MOTOR	80	COOK	101C28D (VF)	2, 4, 5
EF-E-12	LVL 01 EXIST'G BLDG	DOWN BLAST CENTRIFUGAL	420	500	0.75	10	1687	DIRECT	10	ALUMINUM GRAVITY	EXISTING	0.13	0.25	208	1	MFR	NF	MFR	EC MOTOR	80	COOK	101C17D (VF)	2, 3, 5
EF-E-15	LVL 01 NEW ADD'N	DOWN BLAST CENTRIFUGAL	620	750	1.00	10	2041	DIRECT	14.3	ALUMINUM GRAVITY	MFR	0.25	0.33	115	1	MFR	NF	MFR	EC MOTOR	80	COOK	101C28D (VF)	4, 5
EF-E-16	LVL 02 NEW ADD'N	DOWN BLAST CENTRIFUGAL	600	720	0.75	10	1833	DIRECT	11.5	ALUMINUM GRAVITY	MFR	0.18	0.33	115	1	MFR	NF	MFR	EC MOTOR	80	COOK	101C28D (VF)	4, 5
EF-E-17	LVL 03 NEW ADD'N	DOWN BLAST CENTRIFUGAL	2015	2420	0.75	15	1428	DIRECT	16.5	ALUMINUM GRAVITY	MFR	0.62	0.75	115	1	MFR	NF	MFR	EC MOTOR	110	COOK	150C17D (VF)	4, 5
EF-E-18	LVL 03 NEW ADD'N	DOWN BLAST CENTRIFUGAL	1250	1500	0.75	13.5	1374	DIRECT	12	ALUMINUM GRAVITY	MFR	0.36	0.5	115	1	MFR	NF	MFR	EC MOTOR	90	COOK	135C17D (VF)	4, 5

RADIATION SCHEDULE

NOTES:
1.FURNISH FINTUBE ENCLOSURES SO THEY ARE CONTINUOUS FROM WALL/COLUMN TO WALL/COLUMN. ENCLOSURE COLOR SHALL BE SELECTED BY ARCHITECT.

TAG NAME	BTUH PER FOOT	GPM	ELEMENT MAT'L	ELEMENT LENGTH FT.	ELEMENT PIPE SIZE	ELEMENT FIN HEIGHT	ELEMENT FIN WIDTH	ELEMENT NUMBER OF ROWS	ELEMENT FINS PER FOOT	CABINET LENGTH	CABINET HEIGHT	CABINET DEPTH	AVERAGE WATER TEMP °F	MANUFACTURER	MODEL	NOTES
RAD-1	820	3.0	COPPER/ALUMINUM	SEE PLANS	1"	4 1/4"	4 1/4"	1	50	4' - 0"	SEE PLANS	5"	170	STERLING	JVB-AR10LI	NOTE 1

AIR CURTAIN SCHEDULE

NOTES:
1.MANUFACTURER SHALL PROVIDE FACTORY WIRED MOTOR STARTER, DISCONNECT, CONTROL TRANSORMER AS REQUIRED FOR SINGLE POINT POWER CONNECTION, TIME DELAY RELAY, AND REMOTE THERMOSTAT.

TAG NAME	AREA SERVED	CFM	HEATING COIL TYPE	HEATING COIL TEMP. RISE	HEATING COIL MBH	ELECTRICAL HP	ELECTRICAL VOLTAGE	ELECTRICAL PHASES	ELECTRICAL FLA	ELECTRICAL MCA	ELECTRICAL MOCP	DISCONNECT BY (NOTE A)	DISCONNECT TYPE (NOTE B)	CONTROLLER/ STARTER BY (NOTE A)	CONTROLLER/ STARTER SCCR	MAX. DIMENSIONS LENGTH	MAX. DIMENSIONS WIDTH	MAX. DIMENSIONS HEIGHT	WEIGHT	MANUFACTURER	MODEL (NOTE 1)	NOTES
ACR-1	ENTRY VESTIBULE	3160	HOT WATER	28	96	1	115	1	10.2	12.8	20	MFR	NF	MFR	5000	84"	26"	17"	160	MARS AIR SYSTEMS	PH1084-2WH-PW	1

RADIANT CEILING PANEL - HOT WATER

NOTES:
1.4-PASS LAY-IN PANEL. PROVIDE CIRCUIT INTERCONNECTORS AND FITTINGS AS REQUIRED FOR MULTI-PANEL INSTALLATION.

TAG NAME	AREA SERVED	CONFIGURATION	PANEL SIZE WIDTH FEET	PANEL SIZE LENGTH FEET	QUANTITY	PIPE SIZE INCHES	HEATING MBH	HEATING AVG TEMP °F	HEATING GPM	MANUFACTURER	MODEL	NOTES
RCP-1	THIRD FLOOR LOBBY 3E-101 / CORRIDOR	HORIZONTAL	2'-0"	6'-4"	3	3/4"	2.78	175	0.5	STERLING	LRP	1
RCP-2	THIRD FLOOR LOBBY 3E-101	HORIZONTAL	2'-0"	10'-0"	6	3/4"	4.38	175	0.8	STERLING	LRP	1
RCP-3	THIRD FLOOR LOBBY 3E-101	HORIZONTAL	2'-0"	8'-6"	5	3/4"	3.7	175	0.5	STERLING	LRP	1

SCHEDULE GENERAL NOTES:

A. DISCONNECT AND CONTROLLER STARTER FURNISHED AND INSTALLED BY:
MFR = MANUFACTURER
EC = ELECTRICAL CONTRACTOR.
MC = FURNISHED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.
MFR/EC = FURNISHED LOOSE BY MANUFACTURER INSTALLED BY ELECTRICAL CONTRACTOR....

B. DISCONNECT TYPE:
F = FUSED
NF = NON-FUSED

C. CONTROLLER STARTER TYPE:
FV = FULL VOLTAGE
WYE = WYE-DELTA
SS = SOLID STATE (SOFT START)
MS = MANUAL STARTER
VFD = VARIABLE FREQUENCY DRIVE
VFD/B = VARIABLE FREQUENCY DRIVE WITH BYPASS

D. FAN RPM SHALL NOT EXCEED 110% OF SCHEDULED VALUE, WITH THE SCHEDULED WHEEL TYPE. SUBSTITUTION OF BI OR BIA FANS FOR FC IS ACCEPTABLE IF EFFICIENCY IS NOT LOWER.

E. NO EQUIPMENT SHALL BE SELECTED ABOVE 90% OF MOTOR NAME PLATE RATING.

F. MUST BE WITHIN +/- 10% OF SCHEDULED RPM.

G. CURB TYPE:
MFR = STANDARD CURB BY MANUFACTURER
GC = BY GENERAL CONTRACTOR
SAC = SOUND ATTENUATOR CURB

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As noted on this sheet
Development Services Department
Summit, Missouri
01/16/2024

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER A-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	MJO/MJL/CL
Checked By	MJL/BEH

Revision

Number	Date	Description

M602

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MECHANICAL SCHEDULES

IMEG
1600 BALTIMORE
SUITE 300
KANSAS CITY, MO 64108
P: 816.842.8437
www.imegcorp.com

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0 1 2 3
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PROJECT #21006783.00

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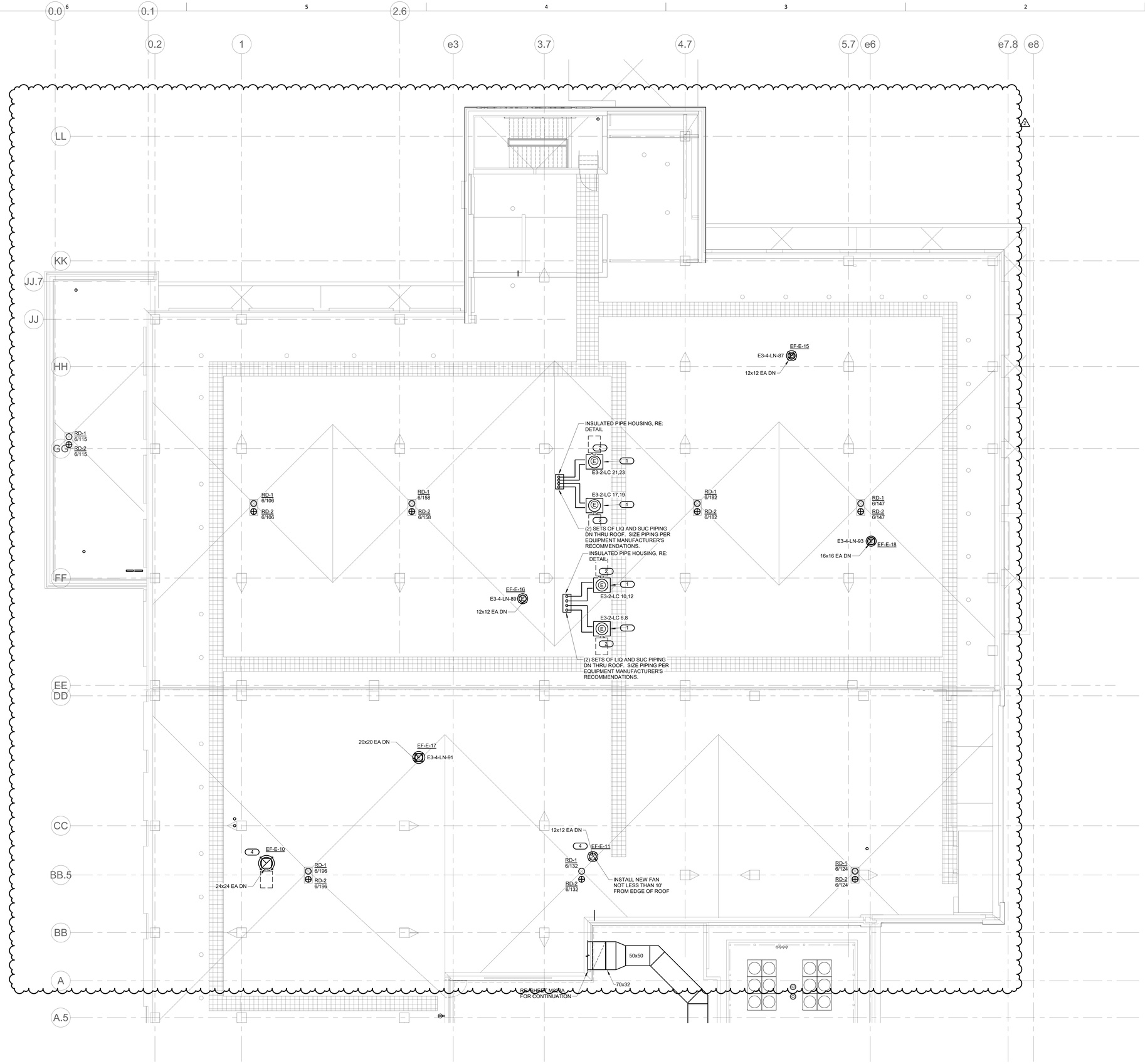
Lee's Summit, Missouri
01/16/2024



SHEET NOTES:

1. REFER TO SHEET M000 FOR SYMBOLS AND GENERAL NOTES.
2. REFER TO SHEET E000 FOR ELECTRICAL SYMBOLS AND GENERAL NOTES.

KEYNOTES: (#)

1. NEW CONDENSING UNIT FOR NEW I.T. ROOM IN-ROW COOLER. EQUIPMENT PROVIDED BY EC AND INSTALLED BY MC. SET ON PREFABRICATED EQUIPMENT RAILS, RE: DETAIL. CHARGE SYSTEM WITH REFRIGERANT AS REQUIRED.
2. FURNISH AND INSTALL 30 AMP, 2-POLE NON-FUSED DISCONNECT SWITCH MOUNTED ON SIDE OF NEW CONDENSING UNIT IN NEMA-3R ENCLOSURE RATING. COORDINATE WITH MECHANICAL CONTRACTOR.
3. RE-USE EXISTING ELECTRICAL CONNECTION TO NEW EXHAUST FAN IN SAME LOCATION AS EXISTING EXHAUST FAN.

MECHANICAL EQUIPMENT -ELECTRICAL NOTES:

1. AHU-E-8, AHU-E-9, LAB AIR COMPRESSOR, DUPLEX CONDENSATE PUMP, EXHAUST FANS EF-17 AND EF-18, AND TWO CONDENSING UNITS FURNISHED WITH I.T. IN-ROW COOLERS BY EC SHALL BE CONNECTED TO NEW DISTRIBUTION PANEL 'DP-E1-32-HA'.
2. EXHAUST FANS EF-15 AND EF-16 SHALL BE CONNECTED TO NEW PANEL 'E3-4-LN'.
3. EXISTING EXHAUST FANS EF-10 AND EF-11 ARE BEING REPLACED AND RELOCATED TO NEW HIGHER ROOF. NEW FANS SHALL BE RECONNECTED TO EXISTING CIRCUITS SERVING THEM - EXTEND CIRCUITS AS REQUIRED.
4. EXISTING EXHAUST FANS EF-1, 2, 3, 5, 6, 7, 8 AND 9 ARE BEING REPLACED IN SAME LOCATION. EXISTING CIRCUIT SERVING EACH SHALL BE RECONNECTED TO NEW FAN.

1 ROOF PLAN - MECHANICAL AND ELECTRICAL - AREA A

1/8" = 1'-0"

NORTH

IMEG
1600 BALTIMORE
SUITE 300
KANSAS CITY, MO 64108
P: 816.842.8437
www.imegcorp.com

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PROJECT #21006783.00

STATE OF MISSOURI
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PROFESSIONAL ENGINEER
1/16/2023
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EAST HOSPITAL
ASC EXPANSION & RENOVATION
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Checked By	MJL/BEH

Revision

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2	2/10/23	Addendum 2

MPE234A

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ROOF PLAN - MECHANICAL PLUMBING AND ELECTRICAL - AREA A

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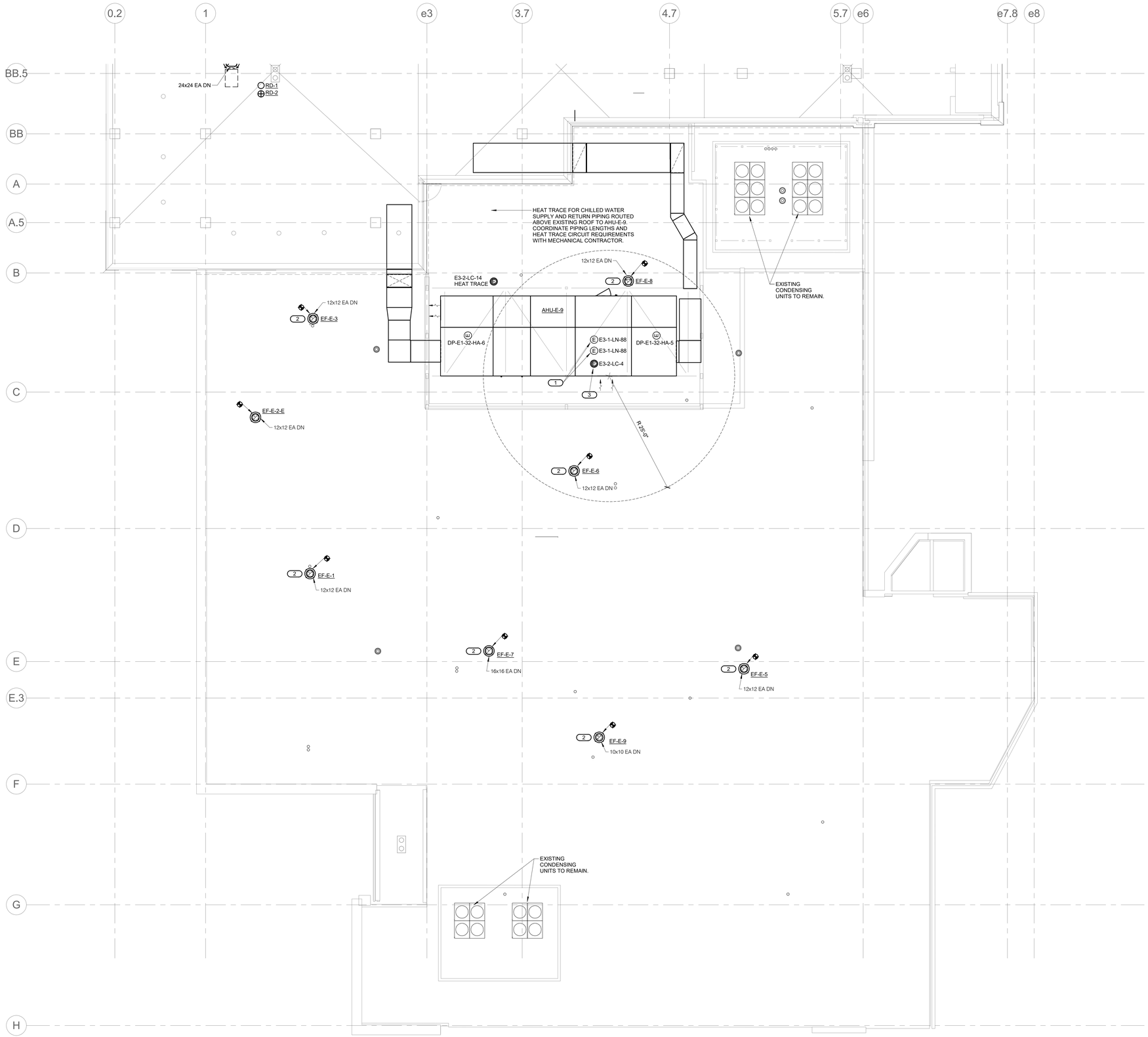

SHEET NOTES:

1. REFER TO SHEET M000 FOR SYMBOLS AND GENERAL NOTES.

KEYNOTES: (#)

1. CIRCUITS SHOWN FOR LIGHTS, POWER AND UV SYSTEM IN AIR HANDLING UNIT. COORDINATE WITH MECHANICAL CONTRACTOR.
2. RE-USE EXISTING ELECTRICAL CONNECTION TO NEW EXHAUST FAN.
3. -

MECHANICAL EQUIPMENT - ELECTRICAL NOTES:

1. AHU-E-8, AHU-E-9, LAB AIR COMPRESSOR, DUPLEX CONDENSATE PUMP, EXHAUST FANS EF-17 AND EF-18, AND TWO CONDENSING UNITS FURNISHED WITH I.T. IN-ROW COOLERS BY EC SHALL BE CONNECTED TO NEW DISTRIBUTION PANEL 'DP-E1-32-HA'.
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4. EXISTING EXHAUST FANS EF-1, 2, 3, 5, 6, 7, 8 AND 9 ARE BEING REPLACED IN SAME LOCATION. EXISTING CIRCUIT SERVING EACH SHALL BE RECONNECTED TO NEW FAN.

1 ROOF PLAN - MECHANICAL AND ELECTRICAL - AREA B

1/8" = 1'-0"

NORTH

RELEASED FOR CONSTRUCTION
As noted on this drawing
Development Services Department
Lee's Summit, Missouri
01/16/2024

STATE OF MISSOURI
BRUCE ELDON HART
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PROFESSIONAL ENGINEER

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Revision

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MPE234B

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ROOF PLAN - MECHANICAL PLUMBING AND ELECTRICAL - AREA B

IMEG
1600 BALTIMORE
SUITE 300
KANSAS CITY, MO 64108
P: 816.842.8437
www.imegcorp.com

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PROJECT #210067830.00

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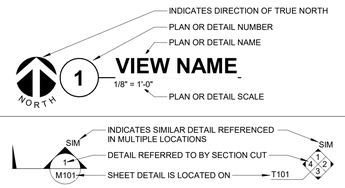
VIEW KEY

NAME — LEVEL NAME
10'-0" — HEIGHT ABOVE PROJECT 0'-0"

1 — INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL



LINE TYPE AND TAG KEY:

NEW WORK BY THIS CONTRACTOR (WIDE LINE)
——— NEW
- - - - - - EXISTING TO BE REMOVED (SHORT DASHED PATTERN)
— — — NEW UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

EXISTING TO REMAIN OR WORK BY OTHERS (NARROW LINE)
——— EXISTING
- - - - - - EXISTING TO BE REMOVED BY OTHERS (SHORT DASHED PATTERN)
— — — EXISTING UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

HALFTONING DOES NOT MODIFY SCOPE.

'TAG'-E — TAGS WITH DASH 'E' INDICATES THE REFERENCED OBJECT IS EXISTING

TAG — UNDERLINED TAG INDICATES OBJECT IS IN-SCOPE. IF NEW, ADDITIONAL INFORMATION IS AVAILABLE IN A SCHEDULE, MATERIAL LIST, OR SYMBOL LIST

INDICATES AN EXISTING SYSTEM'S POINT OF CONNECTION/REMOVAL

CONTRACTOR ABBREVIATION KEY

ABBR:	DESCRIPTION:
A.C.	ASBESTOS ABATEMENT CONTRACTOR
A.V.C.	AUDIO/VISUAL CONTRACTOR
C.C.	CIVIL CONTRACTOR
C.M.	CONSTRUCTION MANAGER
E.C.	ELECTRICAL CONTRACTOR
F.P.C.	FIRE PROTECTION CONTRACTOR
F.S.C.	FOOD SERVICE CONTRACTOR
G.C.	GENERAL CONTRACTOR
H.C.	HEATING CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
N.C.C.	NURSE CALL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
S.C.	SECURITY CONTRACTOR
T.C.	TECHNOLOGY CONTRACTOR
T.C.C.	TEMPERATURE CONTROLS CONTRACTOR
V.C.	VENTILATION CONTRACTOR

PLUMBING + MEDICAL GAS SHEET INDEX

P000	PLUMBING + MEDICAL GAS COVERSHEET
P101B	LEVEL 01 DEMOLITION PLAN - PLUMBING - AREA B
P102B	LEVEL 02 DEMOLITION PLAN - PLUMBING - AREA B
P103B	LEVEL 03 DEMOLITION PLAN - PLUMBING - AREA B
P111B	LEVEL 01 DEMOLITION PLAN - MEDICAL GAS - AREA B
P200A	LEVEL 00 PLAN - PLUMBING - AREA A
P200B	LEVEL 00 PLAN - PLUMBING - AREA B
P201A	LEVEL 01 PLAN - PLUMBING - AREA A
P201B	LEVEL 01 PLAN - PLUMBING - AREA B
P202A	LEVEL 02 PLAN - PLUMBING - AREA A
P202B	LEVEL 02 PLAN - PLUMBING - AREA B
P203A	LEVEL 03 PLAN - PLUMBING - AREA A
P400	PLUMBING DETAILS
P600	PLUMBING SCHEDULES
GRAND TOTAL: 14	

PLUMBING SYMBOL LIST

NOT ALL SYMBOLS MAY APPLY.

SYMBOL:	DESCRIPTION:
—AV—	ACID VENT
—AW—	ACID WASTE
—CA—	COMPRESSED AIR
—CO2—	CARBON DIOXIDE
—CW—	COLD WATER - POTABLE
—D—	DRAIN
—DI—	DEIONIZED WATER
—DMG—	DRAIN - MEDICAL GAS
—DT—	DRAIN TILE
—EA—	MEDICAL EQUIPMENT AIR
—FOR—	FUEL OIL RETURN
—FOS—	FUEL OIL SUPPLY
—G—	NATURAL GAS
—GRV—	GAS REGULATOR VENT
—GSAN—	SANITARY DRAINAGE (GREASE SANITARY DRAINAGE)
—GV—	GREASE VENT
—HW—	HOT WATER - POTABLE
—HWC—	HOT WATER CIRCULATING - POTABLE
—HW140—	HOT WATER - POTABLE NUMBER INDICATES TEMP
—HWC140—	HOT WATER CIRC. - POTABLE NUMBER INDICATES TEMP
—IA—	INSTRUMENT AIR
—MA—	MEDICAL AIR
—MPG—	MEDIUM PRESSURE GAS
—MV—	MEDICAL VACUUM
—N—	NITROGEN
—NCW—	NON-POTABLE COLD WATER
—NHW—	NON-POTABLE HOT WATER
—NO—	NITROUS OXIDE
—O—	OXYGEN
—P—	PROPANE GAS
—PD—	PUMPED DISCHARGE
—PW—	PURE WATER
—RO—	REVERSE OSMOSIS WATER
—SAN—	SANITARY DRAINAGE
—SCW—	SOFT COLD WATER
—SHW—	SOFT HOT WATER
—ST(1,000)—	STORM DRAINAGE (ROOF SQUARE FOOTAGE)
—STS—	STORM DRAINAGE (SECONDARY)
—STW—	SOFT TEMPERED WATER
—TW—	TEMPERED WATER
—V—	VENT
—VAC—	LAB VACUUM
—W—	SERVICE WATER - POTABLE
—WAGD—	WASTE ANETHESIA GAS DISPOSAL
	PIPE CONTINUATION
	PIPE CAP
	PIPE DOWN
	PIPE UP OR UP/DOWN
FD	PIPE SERVING FIXTURE ON FLOOR ABOVE (EXAMPLE: FD = FLOOR DRAIN)
	PITCH PIPE IN DIRECTION
	DIRECTION OF FLOW IN PIPE
	ROUTE TO DRAIN
RD-1 6"(1000)	ROOF DRAIN PROPERTIES SYMBOL / SIZE (ROOF SQ. FT.)
	DIELECTRIC CONNECTION
	UNION/FLANGE
	SHUTOFF VALVE NORMALLY OPEN
	SHUTOFF VALVE NORMALLY CLOSED
GPM	BALANCING VALVE (NUMBER INDICATES GPM)
	CHECK VALVE
	BACKFLOW PREVENTER
	SOLENOID VALVE
	"WYE" - STRAINER
	"WYE" - STRAINER W/SHUTOFF VALVE AND HOSE CONNECTION WITH CAP
	FLEXIBLE CONNECTION
	MANUAL AIR VENT
	DRAIN VALVE WITH HOSE CONNECTION AND CAP
	SAFETY/RELIEF VALVE
	VACUUM BREAKER
P	PRESSURE GAUGE (FURNISHED WITH BALL VALVE)
P	PRESSURE SENSOR (FURNISHED WITH BALL VALVE)
T	TEMPERATURE SENSOR WITH WELL
T	THERMOMETER WITH WELL (DIAL TYPE)
	THERMOMETER WITH WELL (FILLED TYPE)
	REDUCER - REFERENCE SPECIFICATION FOR CONCENTRIC/ECCENTRIC AND FOT/FOB
	PRESSURE REDUCING VALVE (LIQUID/GAS)
	PUMP
M	METER
	ALIGNMENT GUIDE
	PIPE ANCHOR
EJ-# (#.#")	EXPANSION JOINT #.#" IS THE EXPANSION TRAVEL INCHES
	AIR ADMITTANCE VALVE
	VALVE BOX
	MEDICAL GAS OUTLET (MGO)
	ALARM PANEL
	HEADWALL
A	SINGLE GAS OUTLET (AIR)
O	SINGLE GAS OUTLET (OXYGEN)
V	SINGLE GAS OUTLET (VACUUM)
	NITROGEN PRESSURE CONTROL CABINET
	PRESSURE TRANSDUCER WITH ALARM WIRING

PLUMBING ABBREVIATION KEY

ABBR:	DESCRIPTION:
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
BFP	BACKFLOW PREVENTER
BT	BATHTUB
CB	CATCH BASIN
CI	CAST IRON
CO	CLEANOUT
CS	CLINICAL SINK
DB	DIALYSIS BOX
DF	DRINKING FOUNTAIN
DI	DUCTILE IRON
E	EXISTING
EE	EMERGENCY EYEWASH
ES	EMERGENCY SHOWER
ESE	EMERGENCY SHOWER/EYEWASH
EWC	ELECTRIC WATER COOLER
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FM	FLOW METER
FS	FLOOR SINK
GD	GARBAGE DISPOSER
GI	GREASE INTERCEPTOR
HB	HOSE BIBB
I.E.	INVERT ELEVATION (FOR REFERENCE ONLY)
LAV	LAVATORY
MB	MOP BASIN
MH	MANHOLE
MV	MIXING VALVE
N.C.	NORMALLY CLOSED
NIC	NOT IN CONTRACT
N.O.	NORMALLY OPEN
NT	NEUTRALIZATION TANK
OS	OIL SEPARATOR
RD	ROOF DRAIN
SCCR	SHORT CIRCUIT CURRENT RATING
SH	SHOWER
SK	SINK
SS	SERVICE SINK
TD	TRENCH DRAIN
TP	TRAP PRIMER
TYP	TYPICAL
UR	URINAL
VTR	VENT THROUGH ROOF
WC	WATER CLOSET
WCO	WALL CLEANOUT
WF	WASH FOUNTAIN
WH	WATER HEATER
WMF	WASHING MACHINE FIXTURE
WM	WATER METER
WS	WATER SOFTENER
UB	UTILITY BOX
UON	UNLESS OTHERWISE NOTES
YCO	YARD CLEANOUT

PLUMBING ROUGH-IN SCHEDULE

NOTES: (APPLIES TO ALL PLUMBING FIXTURES LISTED BELOW)
1) SIZES SHOWN ARE MINIMUMS. LARGER SIZES SHOWN ON THE DRAWING SHALL DICTATE THE ROUGH-IN SIZE. 2) SANITARY RISERS UP IN WALL TO FIXTURES SHALL BE A MINUMUM OF 2". 3) DOMESTIC WATER BRANCH PIPING OUTSIDE OF THE WALL/CHASE SHALL BE A MINIMUM OF 3/4" UNLESS NOTED OTHERWISE. ONLY THE FINAL RISE-DROP SHALL BE SMALLER. 4) FINAL SANITARY SIZE SHALL MATCH P-TRAP SIZE (REFER TO MATERIAL LIST).

TAG NAME	DESCRIPTION	COLD WATER	HOT WATER	SANITARY	VENT
AEWC-1	ELECTRIC WATER COOLER (ACCESSIBLE)	1/2"	-	1 1/2"	1 1/2"
AL-1	LAVATORY (ACCESSIBLE)	1/2"	1/2"	2"	1 1/2"
AL-1	LAVATORY (ACCESSIBLE)	1/2"	1/2"	2"	1 1/2"
AL-2	LAVATORY (ACCESSIBLE)	1/2"	1/2"	2"	1 1/2"
AL-#	LAVATORY (ACCESSIBLE)	1/2"	1/2"	2"	1 1/2"
ASH-1	SHOWER	1/2"	1/2"	2"	1 1/2"
AWC-1	WATER CLOSET (ACCESSIBLE)	1 1/2"	-	4"	2"
AWC-1	WATER CLOSET (ACCESSIBLE)	1 1/2"	-	4"	2"
CM-1		1/2"	-	-	-
CS-1	CLINICAL SINK	1 1/2"	3/4"	4"	2"
CS-1	CLINICAL SINK	1 1/2"	3/4"	4"	2"
DW-1		-	1/2"	-	-
DW-1	UTILITY BOX (WASHING MACHINE)	3/4"	3/4"	2"	1 1/4"
EEW-2	EMERGENCY SHOWER EYE/FACE WASH	1 1/2"	-	-	-
ERD	4" ERD				
EWC-1	ELECTRIC WATER COOLER (ACCESSIBLE)	1/2"	-	1 1/2"	1 1/2"
FD-1	FLOOR DRAIN			2"	1 1/2"
FD-1	FLOOR DRAIN			2"	1 1/2"
FD-#	FLOOR DRAIN			2"	1 1/2"
FD-#	FLOOR DRAIN			4"	2"
FS	FLOOR SINK			4"	2"
FS-1	FLOOR SINK			4"	2"
FS-1	FLOOR SINK			4"	2"
FS-2	FLOOR SINK			3"	1 1/2"
IM-1	DRINKING FOUNTAIN	1/2"	-	1 1/2"	1 1/2"
JS-1	MOP BASIN	3/4"	3/4"	3"	1 1/2"
MB-*	MOP BASIN	3/4"	3/4"	3"	1 1/2"
RD	4" RD				
RD	5" RD				
S-1	SINK	1/2"	1/2"	1 1/2"	1 1/2"
S-2	SINK	1/2"	1/2"	1 1/2"	1 1/2"
S-3	SINK	1/2"	1/2"	1 1/2"	1 1/2"
S-4	SINK	1/2"	1/2"	1 1/2"	1 1/2"
S-6	SINK (ACCESSIBLE)	1/2"	1/2"	1 1/2"	1 1/2"
S-7	SINK (ACCESSIBLE)	1/2"	1/2"	1 1/2"	1 1/2"
S-#	SINK (ACCESSIBLE)	1/2"	1/2"	1 1/2"	1 1/2"
SK-*	SINK (ACCESSIBLE)	1/2"	1/2"	1 1/2"	1 1/2"
SUS-1	SERVICE SINK	1/2"	1/2"	2	1 1/2"
UB-1		1/2"	-	-	-
UB-#		1/2"	-	-	-

MECHANICAL RENOVATION NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, FIRE PROTECTION, PLUMBING, MEDICAL GAS, VENTILATION, PIPING AND TEMPERATURE CONTROL.

1. EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING.
2. NOT ALL EXISTING DUCTWORK AND PIPING IS SHOWN. VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLICTS WITH NEW WORK.
3. FIELD VERIFY THE AVAILABLE CLEARANCES FOR DUCTWORK AND PIPING BEFORE FABRICATION. RISES AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS.
4. EACH CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO THE AREA OF THEIR WORK AND SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO BIDDING IF OTHER UTILITIES ARE REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCESS TO THEIR AREA OF WORK.
5. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING, REMOVAL AND PATCHING OF ROOFS, WALLS, AND FLOORS ASSOCIATED WITH WORK BY ALL CONTRACTORS. CONTRACTORS SHALL NOTIFY THE GC OF AFFECTED AREAS PRIOR TO BIDDING
6. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILINGS, CEILING TILES, AND CEILING GRIDS ASSOCIATED WITH AREAS OF WORK BY ALL CONTRACTORS. NOTIFY THE GENERAL CONTRACTOR OF AFFECTED AREAS PRIOR TO BIDDING.
7. WHERE EXISTING MECHANICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH NEW EQUIPMENT, PIPING, OR DUCTWORK TO BE INSTALLED, EACH CONTRACTOR SHALL EITHER ARRANGE NEW EQUIPMENT, PIPING, OR DUCTWORK IN SUCH A FASHION THAT IT DOES NOT CONFLICT WITH EXISTING SYSTEMS, OR REWORK EXISTING MECHANICAL SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT, PIPING, OR DUCTWORK.
8. PROVIDE TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. MAINTAIN ACCESS TO EXISTING MECHANICAL INSTALLATIONS THAT REMAIN ACTIVE.
9. OBTAIN PERMISSION FROM OWNER BEFORE SHUTTING DOWN ANY SYSTEM FOR ANY REASON. MAINTAIN SERVICE TO ALL COMPONENTS THAT ARE TO REMAIN UNTIL NEW SYSTEMS ARE INSTALLED.
10. MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR TIE IN AND SWITCHOVER. DRAIN SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER BEFORE PARTIALLY OR COMPLETELY DRAINING SYSTEM. MAKE CHANGEOVER TO NEW SYSTEMS WITH MINIMUM OUTAGE.
11. DISCONNECT AND REMOVE MECHANICAL DEVICES AND EQUIPMENT SERVING EQUIPMENT THAT HAS BEEN REMOVED.

MECHANICAL PHASING NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, FIRE PROTECTION, PLUMBING, MEDICAL GAS, VENTILATION, PIPING AND TEMPERATURE CONTROL.

1. REFER TO **ARCHITECTURAL** DRAWINGS FOR GENERAL DESCRIPTION OF PHASES. REFER TO **GENERAL CONTRACTOR'S/ARCHITECT'S** INSTRUCTIONS FOR MORE DETAILS AND PHASING SCHEDULES AND FOR CONCURRENT WORK. MECHANICAL, ELECTRICAL AND TECHNOLOGY DRAWINGS DEPICT THE INTENT OF THE FINAL DESIGN. THE MECHANICAL, ELECTRICAL, AND TECHNOLOGY DRAWINGS DO NOT DEPICT THE MEANS AND METHODS TO MEET THE REQUIREMENTS OF THE PHASING CRITERIA.
2. REVIEW PROJECT PHASING PLANS TO COORDINATE DEMOLITION WORK, OUTAGES, ETC. WITH AFFECTED ADJACENT AREAS.
3. PROVIDE TEMPORARY DUCTWORK, PIPING, SHUTOFF VALVES, ZONE VALVES, ZONE ALARMS, ETC. AS NEEDED TO MAINTAIN SERVICE TO ALL AREAS DURING ALL PHASES OF PROJECT.
4. INSTALL TEMPORARY DUCTWORK, PIPING, SHUTOFF VALVES, ETC. AS NECESSARY TO KEEP ALL OCCUPIED SPACES OPERATIONAL THROUGHOUT ALL PHASES OF THE PROJECT
5. PHASE DEMOLITION WORK TO MINIMIZE DOWNTIME.

PLUMBING GENERAL NOTES:

1. THE SYMBOLS AND THE MATERIAL LIST ARE FOR THE CONVENIENCE OF THE CONTRACTOR. CONTRACTOR SHALL VERIFY QUANTITIES AND FURNISH ALL MATERIALS REQUIRED FOR FULLY OPERATIONAL SYSTEMS, WHETHER SPECIFIED OR NOT.
2. CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE, BUT ARE GIVEN AS AN AID TO THE CONTRACTOR AND TO INDICATE THE QUALITY REQUIRED. CONTRACTOR IS RESPONSIBLE FOR A COMPLETE DESCRIPTION OF MATERIAL ON THESE DRAWINGS AND IN THE SPECIFICATIONS BEFORE ORDERING. THE DESCRIPTION OF THE MATERIAL TAKES PRECEDENCE OVER THE CATALOG NUMBER. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN.
3. CONTRACTOR SHALL VERIFY THAT FIXTURES SUPPLIED ARE APPROVED PER ALL APPLICABLE STATE, LOCAL AND GOVERNING AUTHORITIES.
4. ALL FIXTURES SHALL CONFORM TO FEDERAL ACT S.3874
5. INVERT ELEVATIONS ARE FROM EXISTING DRAWINGS AND MAY NOT BE ACCURATE. VERIFY ALL ELEVATIONS BEFORE BEGINNING WORK.
6. VERIFY UNDERGROUND PIPE SIZES, INVERT ELEVATIONS, AND LOCATIONS PRIOR TO BEGINNING ANY WORK.
7. REFER TO THE PLUMBING ROUGH-IN SCHEDULE FOR THE SIZES OF BRANCH PIPES TO PLUMBING FIXTURES.
8. FOR CLARITY, NOT ALL VALVES HAVE BEEN SHOWN. PROVIDE SHUTOFF VALVES IN DOMESTIC WATER PIPING SERVING EACH ROOM WITH FIXTURES. ANGLE STOPS SHALL NOT BE CONSIDERED SHUTOFF VALVES.
9. EXISTING CONDITIONS ON DEMOLITION PLANS ARE PROVIDED TO INDICATE THE GENERAL SCOPE OF ITEMS TO BE REMOVED. REFER TO SPECIFICATION SECTION 22 05 05 FOR ADDITIONAL DEMOLITION INFORMATION.
10. P.C. SHALL CUT AND PATCH EXISTING AS REQUIRED FOR NEW OR DEMOLITION WORK UNLESS NOTED OTHERWISE. REFER TO SPECIFICATION SECTION 22 05 05 FOR ADDITIONAL INFORMATION.

MEDICAL GAS GENERAL NOTES:

1. THE SYMBOLS AND THE MATERIAL LIST ARE FOR THE CONVENIENCE OF THE CONTRACTOR. CONTRACTOR SHALL VERIFY QUANTITIES AND FURNISH ALL MATERIALS REQUIRED FOR FULLY OPERATIONAL SYSTEMS, WHETHER SPECIFIED OR NOT.
2. CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE, BUT ARE GIVEN AS AN AID TO THE CONTRACTOR AND TO INDICATE THE QUALITY REQUIRED. CONTRACTOR IS RESPONSIBLE FOR A COMPLETE DESCRIPTION OF MATERIAL ON THESE DRAWINGS AND IN THE SPECIFICATIONS BEFORE ORDERING. THE DESCRIPTION OF THE MATERIAL TAKES PRECEDENCE OVER THE CATALOG NUMBER. THE FIRST MANUFACTURER IS THE BASIS OF DESIGN.
3. INSTALL WALL MOUNTED OUTLETS **60"** AFF UNLESS NOTED OTHERWISE. COORDINATE ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
4. REFER TO MEDICAL GAS MATERIAL LIST FOR PIPE SIZES TO INDIVIDUAL OUTLETS.

MECHANICAL GENERAL NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, FIRE PROTECTION, PLUMBING, MEDICAL GAS, VENTILATION, PIPING AND TEMPERATURE CONTROL.

1. DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
2. DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.
3. COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH FABRICATION OR EQUIPMENT ORDERS.
4. REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKE REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS.
5. ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO OTHERS.
6. EACH CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT PROPOSED THAT DIFFERS FROM THE BASIS OF DESIGN.
7. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIO/VISUAL, AND OTHER MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.
8. EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
9. IN AREAS WITH DRYWALL CEILINGS COORDINATE LOCATIONS OF ACCESS PANELS WITH THE GC FOR ACCESS TO VALVES, DUCTWORK ACCESSORIES, DAMPERS, ETC. COORDINATE PANEL TYPE AND COLOR WITH ARCHITECT. NOTIFY THE GC OF THE REQUIRED ACCESS PANELS PRIOR TO BIDDING.
10. SEAL ALL **FLOOR, WALL AND ROOF** PENETRATIONS AIRTIGHT WHERE CONDUITS, PIPING, AND DUCTS PENETRATE. **PENETRATIONS THROUGH EXTERIOR WALLS AND ROOF SHALL BE SEALED AIRTIGHT WITH WATERPROOFING MATERIALS RECOMMENDED BY MANUFACTURER FOR OUTDOOR USE.**
11. CAULK ALL PIPE AND DUCT PENETRATIONS OF FULL HEIGHT NON-FIRE RATED WALL, PARTITION, FLOOR, AND ROOF ASSEMBLIES. THIS IS ESSENTIAL TO PREVENT NOISE TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN ROOMS.
12. WHERE PIPES AND DUCTS ARE SHOWN TO PENETRATE FLOORS, PROVIDE SLEEVED OPENINGS WITH THE TOP EDGE RAISED ABOVE FLOOR SURFACE IN ACCORDANCE WITH ALL RELEVANT SPEC SECTIONS. SEAL SLEEVE PERIMETER TO BE WATERTIGHT.
13. EQUIPMENT SIZES AND SERVICE CLEARANCE REQUIREMENTS VARY AMONG DIFFERENT MANUFACTURERS. CONSULT APPROVED SHOP DRAWINGS FOR EQUIPMENT SIZES AND REQUIRED SERVICE CLEARANCES. COORDINATE WITH LAYOUT OF EQUIPMENT PADS, PIPING, DUCTWORK, ETC.
14. DO NOT BLOCK TUBE PULL OR EQUIPMENT SERVICE CLEARANCES.
15. MAINTAIN A MINIMUM WORKING CLEARANCE OF 3'-6" IN FRONT OF ALL ELECTRICAL EQUIPMENT REQUIRING MAINTENANCE, INSPECTION, AND TESTING INCLUDING BUT NOT LIMITED TO PANELS, DISTRIBUTION PANELS, SWITCHBOARDS, MOTOR CONTROL CENTERS, TRANSFORMERS, EQUIPMENT DISCONNECTS AND STARTERS.
16. MAINTAIN THE DEDICATED ELECTRICAL EQUIPMENT SPACE DEFINED BY THE WIDTH / DEPTH OF ELECTRICAL EQUIPMENT MEASURED FROM THE FLOOR TO A HEIGHT 6'-0" ABOVE THE EQUIPMENT OR THE STRUCTURAL CEILING, WHICHEVER IS LOWER. SYSTEMS FOREIGN TO THE ELECTRICAL DISTRIBUTION SYSTEM ARE NOT ALLOWED IN THE DEDICATED ELECTRICAL SPACE INCLUDING; DUCTWORK, PIPING, ETC..
17. PROVIDE CONCRETE EQUIPMENT PAD FOR ALL FLOOR MOUNTED EQUIPMENT. PAD SHALL EXTEND MINIMUM 6" BEYOND ALL SIDES OF EQUIPMENT.
18. DO NOT SUPPORT EQUIPMENT, PIPING, OR DUCTWORK FROM METAL DECKING OR OTHER NON-STRUCTURAL BUILDING ELEMENTS. ANCHORS EMBEDDED IN CONCRETE SHALL BE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.

PLUMBING SLOPE REQUIREMENTS:

BASED ON PLUMBING CODE: [IPC-2018]

INTERIOR:

SANITARY WASTE:	≤2-1/2"ø=1/4" PER FOOT ≥3"ø = 1/8" PER FOOT ≥8"ø = 1/16" PER FOOT
GREASE WASTE:	1/4" PER FOOT
STORM (GRAVITY):	1/8" PER FOOT
CONDENSATE AND INDIRECT DRAINAGE:	1/8" PER FOOT
SANITARY AND GREASE VENT:	NO SPECIFIC PITCH, PITCH TO FIXTURES
DOMESTIC WATER:	NO SPECIFIC PITCH, PITCH TO FIXTURES

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As Noted on Submittal Transmittal
Development Services Department
Summit, Missouri
01/16/2024

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023

Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	SWC
Checked By	MJO/BEH

Revision

Number	Date	Description

P000

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PLUMBING + MEDICAL GAS COVERSHEET

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Missouri Department of Transportation
Kansas City Area Permits Section
01/16/2024

SHEET NOTES:

1. REFER TO SHEET P000 FOR SYMBOLS AND GENERAL NOTES.
2. ALL DEMOLITION WORK IS SHOWN AS DARK AND DASHED. REMAINDER TO BE EXISTING TO REMAIN.

KEYNOTES: (#)

1. CUT 1/2" NCW, 1/2" NHW, 1/2" HDI (HOT DEIONIZED WATER), AND 1/2" CA AND REMOVE PIPING DOWN TO WASHER, INCLUDING ACCESSORIES. PROTECT REMAINING PIPING FOR NEW CONNECTIONS. ALSO REMOVE 4" FLOOR SINK AND PATCH SLAB AS REQUIRED.

1 LEVEL 01 DEMOLITION PLAN - PLUMBING - AREA B

1/8" = 1'-0"

NORTH

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER PE-2281
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

IMEG
1600 BALTIMORE SUITE 300 KANSAS CITY, MO 64108
P: 816.842.8437
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CONSTRUCTION DOCUMENTS

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Job Number	3-21037
Drawn By	SWC
Checked By	MJO/BEH

Revision

Number	Date	Description
3	Date 3	Addendum 1

P101B

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LEVEL 01 DEMOLITION PLAN - PLUMBING - AREA B

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1/16/2023 5:54:12 PM

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Development Services Department
City of Lee's Summit, Missouri
Date: 01/16/2024

SHEET NOTES:

1. REFER TO SHEET P000 FOR SYMBOLS AND GENERAL NOTES.
2. ALL DEMOLITION WORK IS SHOWN AS DARK AND DASHED. REMAINDER TO BE EXISTING TO REMAIN.

KEYNOTES: (#)

1. DISCONNECT AND REMOVE 4" STANDPIPE.
2. DISCONNECT AND REMOVE VENT THRU ROOF.

EXISTING STANDPIPE AND SPRINKLER ZONE PIPING TO FLOOR TO REMAIN.

EXISTING 4" STS UP
EXISTING 4" ST UP
EXISTING 4" V UP
EXISTING 5" ST UP
EXISTING 2" V UP
4" V UP
EXISTING 5" ST UP
EXISTING 4" V UP
EXISTING 4" V UP
EXISTING 2" V UP
EXISTING 2" V UP
EXISTING 4" V UP
4" V UP
2" V
2" FP
LS-S

1 1/2"CW
3/4"HWC
3/4"HW
3/4"CW
2"CW
1"HW
1 1/2"HW
1 1/2"V
2 1/2"CW
2 1/2"HW
2 1/2"CW
2 1/2"HWC
1/2"CW
1/2"HW
1/2"V
3/4"CW

1 LEVEL 02 DEMOLITION PLAN - PLUMBING - AREA B

1/8" = 1'-0"

NORTH

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1600 BALTIMORE
SUITE 300
KANSAS CITY, MO 64108
P: 816.842.8437
www.imegcorp.com

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BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
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Missouri: #000958

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

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LEVEL 02 DEMOLITION PLAN - PLUMBING - AREA B

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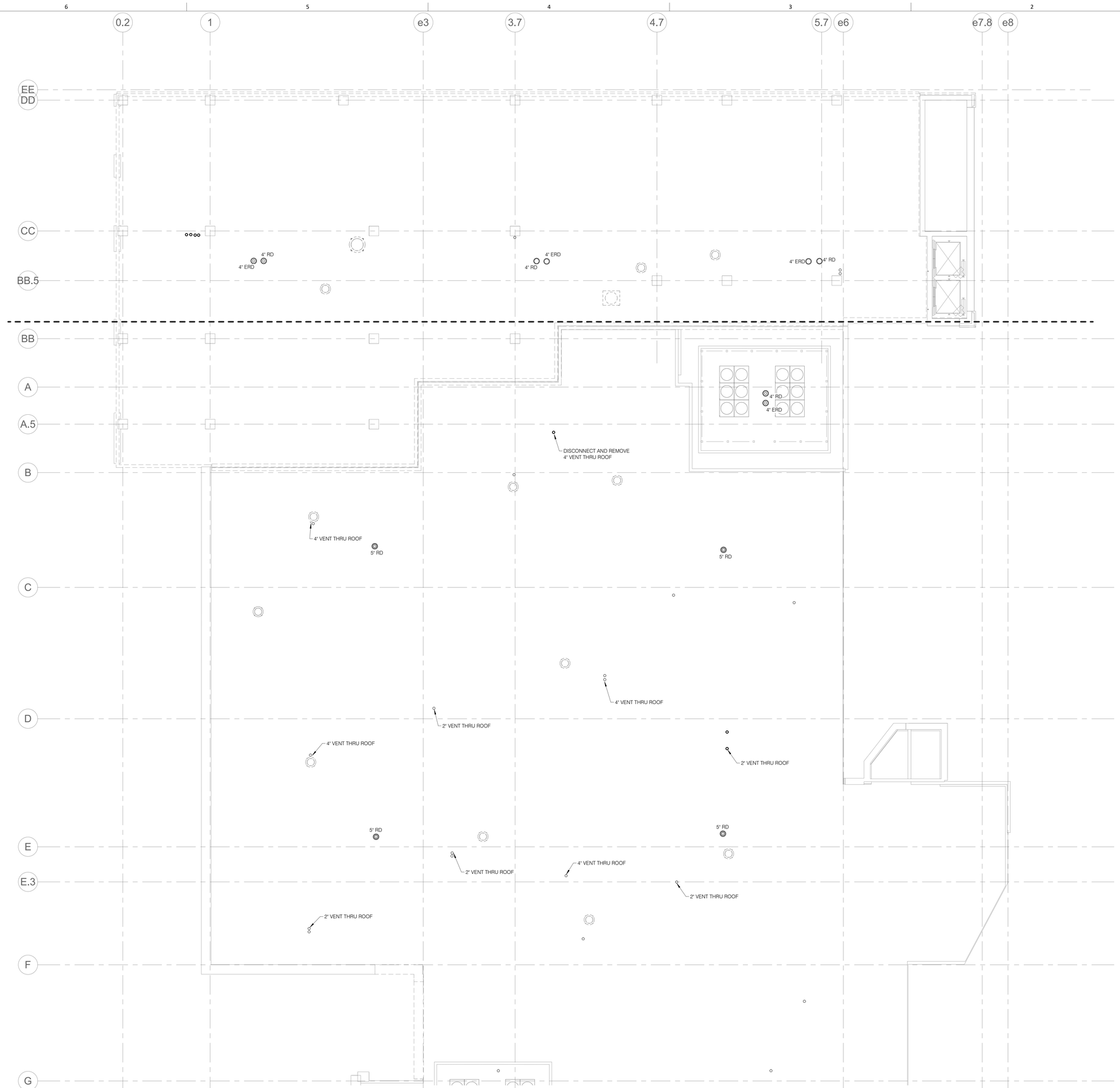

SHEET NOTES:

1. REFER TO SHEET P000 FOR SYMBOLS AND GENERAL NOTES.
2. ALL DEMOLITION WORK IS SHOWN AS DARK AND DASHED. REMAINDER TO BE EXISTING TO REMAIN.

1 LEVEL 03 DEMOLITION PLAN - PLUMBING - AREA B

1/8" = 1'-0"

NORTH

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City of Lee's Summit, Missouri
Approved: 01/16/2024

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BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023

Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

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EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
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www.IMEGCORP.com
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SUITE 300
KANSAS CITY, MO 64108
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LEVEL 03 DEMOLITION PLAN - PLUMBING - AREA B

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1 **LEVEL 01 DEMOLITION PLAN - MEDICAL GAS - AREA B**
1/8" = 1'-0"

NORTH

SHEET NOTES:

1. REFER TO SHEET P000 FOR SYMBOLS AND GENERAL NOTES.

KEYNOTES: (#)

1. EXISTING MEDICAL GAS ZONE VALVE BOX ASSEMBLY TO REMAIN.
2. EXISTING MEDICAL GAS ZONE ALARM PANEL UNIT TO REMAIN.
3. REMOVE GI ROOM MEDICAL GAS ZONE VALVE BOX ASSEMBLY IN THIS AREA. REMOVE ASSOCIATED MEDICAL GAS SYSTEM PIPING BACK TO BRANCHES AS INDICATED.
4. REMOVE OPERATING ROOM MEDICAL GAS ZONE VALVE BOX ASSEMBLY IN THIS AREA. REMOVE ASSOCIATED MEDICAL GAS SYSTEM PIPING BACK TO MAIN SUPPLY BRANCHES IN CORRIDOR AND BACK TO DISTRIBUTION BRANCHES IN ROOM AS INDICATED.
5. EXISTING NITROGEN CONTROL PANEL ASSEMBLY TO REMAIN IN THIS AREA.
6. POST-ANESTHESIA CARE UNIT AND PHASE II RECOVERY UNIT MEDICAL GAS PIPING TO BE REMOVED IN THIS AREA.
7. REMOVE POST-ANESTHESIA CARE UNIT AND PHASE II RECOVERY UNIT MEDICAL GAS ZONE VALVE BOX ASSEMBLY. REMOVE ASSOCIATED MEDICAL GAS SYSTEM PIPING BACK TO MAIN SUPPLY BRANCHES IN CORRIDOR AND BACK TO DISTRIBUTION BRANCHES IN ROOM AS INDICATED.
8. REMOVE GI ROOM NITROGEN CONTROL PANEL ASSEMBLY.
9. REMOVE GI ROOM MEDICAL GAS PIPING BACK TO POINT AT SUPPLY MAINS AS SHOWN.
10. REMOVE GI ROOM MEDICAL GAS ZONE ALARM PANEL AND ALL ASSOCIATED CONTROLS.
11. REMOVE POST-ANESTHESIA CARE UNIT AND PHASE II RECOVERY UNIT MEDICAL GAS ZONE ALARM PANEL. MODIFY EXISTING CONTROLS AS REQUIRED FOR NEW UNIT INSTALLATION AS PART OF NEW WORK.
12. MASTER MEDICAL GAS ALARM PANEL TO BE REMOVED IN THIS AREA. MODIFY EXISTING CONTROLS AS REQUIRED FOR NEW UNIT INSTALLATION AS PART OF NEW WORK.

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Missouri Department of Economic Development Services Department
Building Code Review, Summit, Missouri
Date: 1/16/2024

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023

Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
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EAST HOSPITAL
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100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

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Date	01/16/2023
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Checked By	MJO/BEH

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SUITE 300
KANSAS CITY, MO 64108
P: 816.842.8437
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LEVEL 01 DEMOLITION PLAN - MEDICAL GAS - AREA B

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Kansas City Regional Office
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BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023

Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
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10" ST INV. EL. 42" BELOW FLOOR RE: CIVIL FOR CONTINUATION

6" SAN INV. EL. 54" BELOW FLOOR. RE: CIVIL FOR CONTINUATION

4" WATER SERVICE

3" VENT UP

2" D-E UP
2 1/2" CW-E UP
1/2" HW-E UP
3/4" HWC-E UP

LEVEL 00 PLAN - PLUMBING - AREA A

1/8" = 1'-0"

NORTH

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SUITE 300
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CONSTRUCTION DOCUMENTS

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Job Number	3-21037
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Checked By	Checker

Revision

Number	Date	Description
2	2/10/23	Addendum 2

P200A

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LEVEL 00 PLAN - PLUMBING - AREA A

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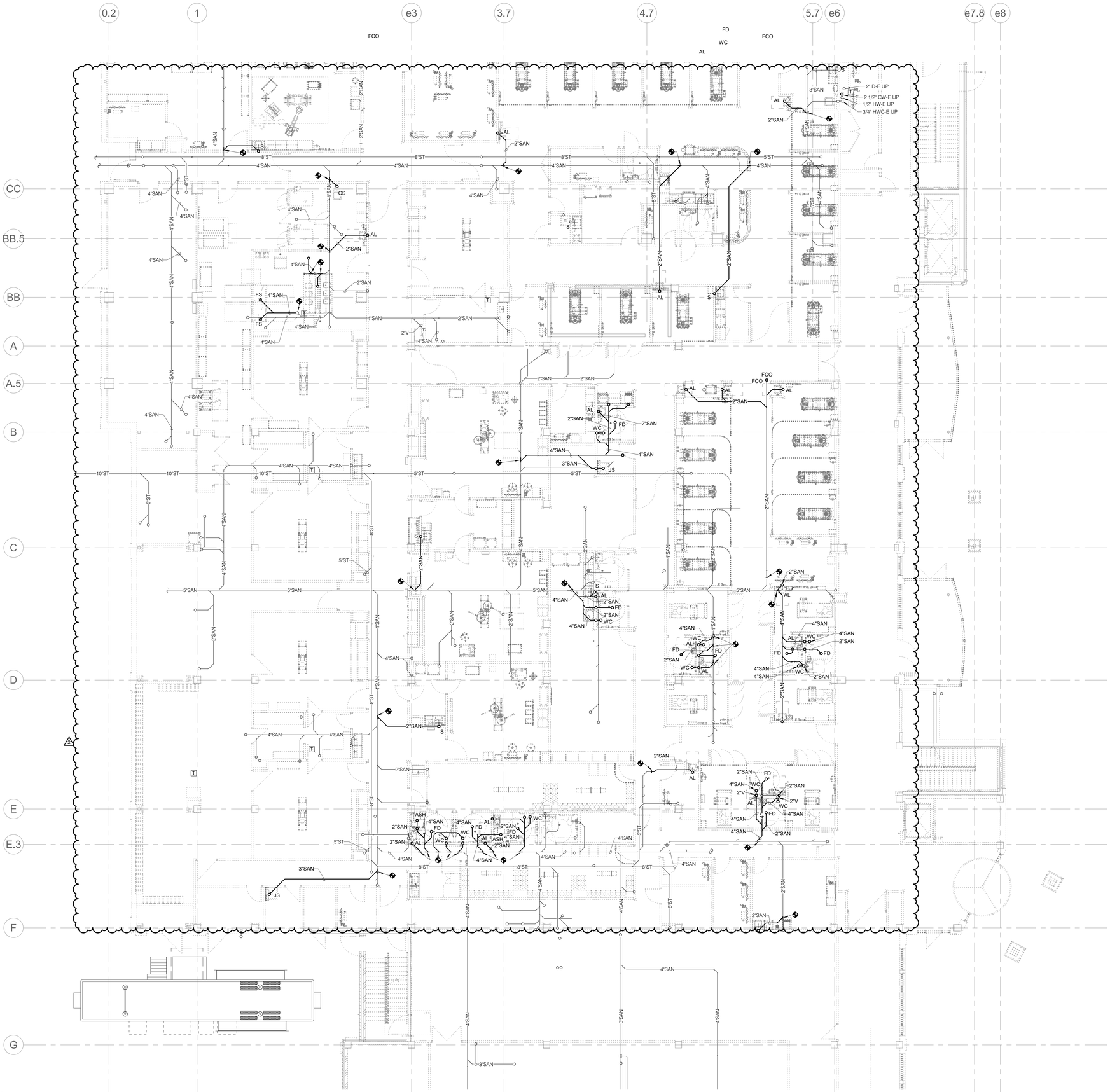

LEVEL 00 PLAN - PLUMBING - AREA B

1/8" = 1'-0"

NORTH

SHEET NOTES:

1. .
2. .
3. .

KEYNOTES: (#)

1. .
2. .
3. .

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As noted on drawing
Development Services Department
Summit, Missouri
01/16/2024

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER

1/16/2023

Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
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EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description
2	2/10/23	Addendum 2

P200B

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IMEG
1600 BALTIMORE
SUITE 300
KANSAS CITY, MO 64108
P: 816.842.8437
www.imegcorp.com

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Missouri Certificate of Authority #F001325536

REF. SCALE IN INCHES 0 1 2 3

PROJECT #21006783.00

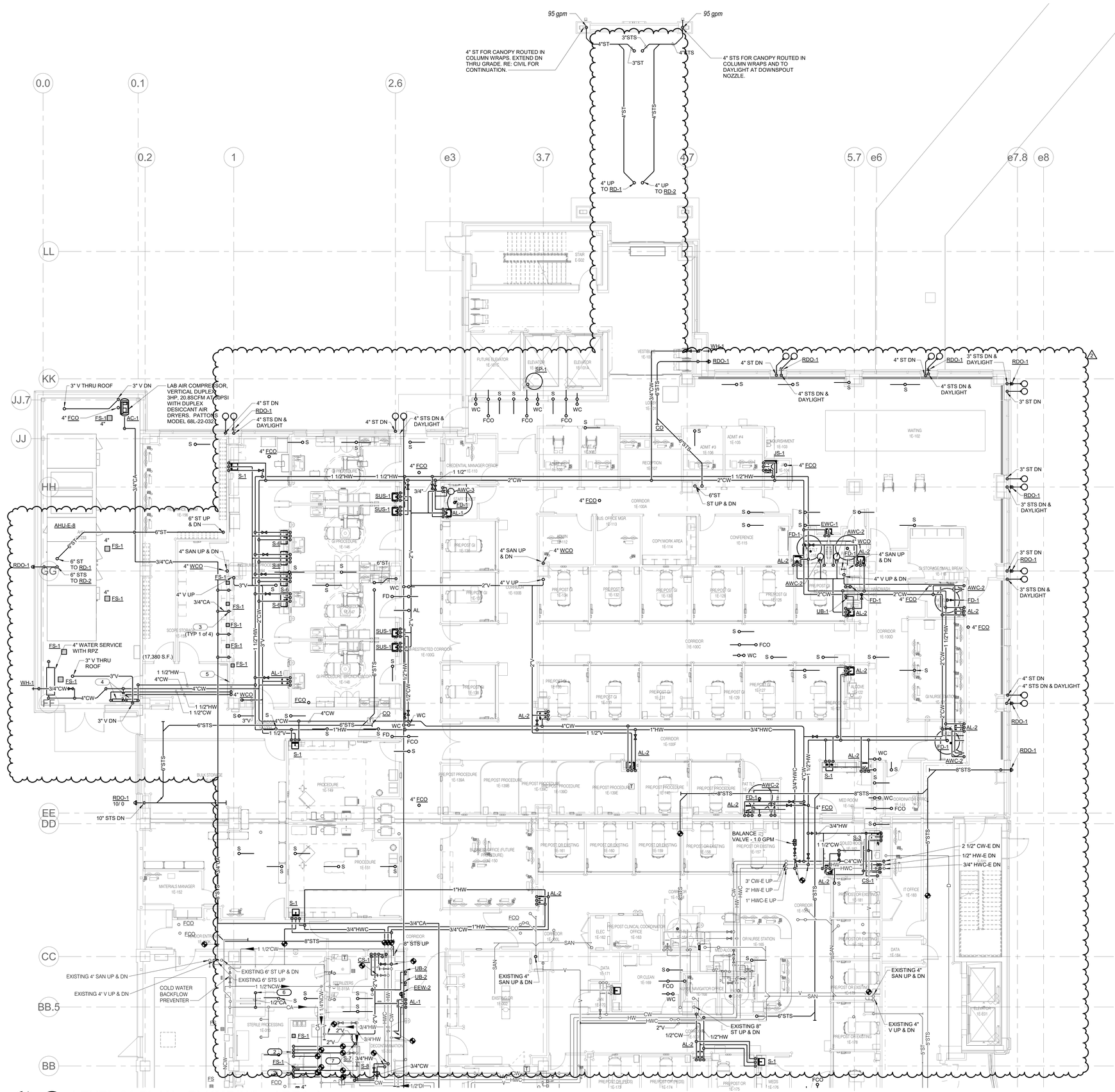
RELEASED FOR CONSTRUCTION
As noted on drawing
Development Services Department
City of Lee's Summit, Missouri
Date: 02/16/2024

SHEET NOTES:

1. REFER TO SHEET P000 FOR SYMBOLS AND GENERAL NOTES.

KEYNOTES: (#)

1. COMPRESSED AIR BRANCH DROP TO WALL OUTLET. FURNISH AND INSTALL CHICAGO FAUCET LEGACY FITTING #987-009 AGVPC WALL MOUNTED DUAL VALVE LAB FITTING WITH VACUUM BREAKERS.
2. EXTEND NEW PIPING DOWN THROUGH CEILING, PROVIDE SHUT-OFF VALVES BELOW CEILING AND EXTEND NEW 1/2" NON-POTABLE COLD WATER & HOT WATER, 1/2" DI, AND 1/2" COMPRESSED AIR PIPING TO OWNER-FURNISHED STERIS WASHER, IN ACCORDANCE WITH STERIS' WRITTEN INSTALLATION INSTRUCTIONS. IN EACH WATER LINE, PROVIDE WATER HAMMER ARRESTOR, PRESSURE GAUGE, TEE WITH SAMPLING VALVE, AND UNION, AS REQUIRED BY STERIS. IN COMPRESSED AIR LINE, PROVIDE PRESSURE GAUGE AND UNION. ALSO PROVIDE DRAIN PIPING FROM NEW WASHER TO EXISTING FLOOR SINK AS REQUIRED. COMPRESSED AIR IS MACHINE TO DECONTAM-WASHING UNIT. FIELD COORDINATE FINAL CONNECTION LOCATION WITH EQUIPMENT VENDOR. PROVIDE WITH ISOLATION VALVE AND PRESSURE GAUGE ABOVE UNIT CONNECTION BEHIND ACCESS PANEL.
3. 1 1/2" COLD WATER AND 1 1/2" HOT WATER REDUCED PRESSURE ZONE BACKFLOW PREVENTERS FOR SCOPE WASHER WATER SUPPLIES. PROVIDE 4" HUB DRAIN BELOW FOR RPZ DISCHARGE
4. 1 1/2" HOT AND COLD PIPING TO THERMOSTATIC MIXING VALVES FOR EACH SCOPE WASHER (RE: DETAILS FOR PIPING DIAGRAM). MOUNT MIXING VALVE ON WALL WITH SUPPLY PIPING. PROVIDE HEAT TRACE OF PIPING BELOW INSULATION FROM MIXING VALVE TO DROP TO SCOPE WASHER TO MAINTAIN TEMPERATURE OF SUPPLY LINE TO WASHER AT 95DEG F. HEAT TRACE TO BE RAYCHEM HWAT R-2 CABLE WITH HWAT ECO CONTROLLER. COORDINATE LENGTH WITH INSTALLED PIPE LENGTH (APPROX. FOUR (4) PIPING LOOPS WITH AVERAGE LENGTH OF 20FT EACH).
5. PROVIDE NEW COMPRESSED AIR OUTLET IN CEILING TO MATCH EXISTING WITH COILED HOSE FOR PACK WRAP WORKSTATION. COORDINATE LOCATION IN CEILING WITH ARCHITECT AND USER PRIOR TO INSTALLATION.
6. ROUTE 3/4" CW, 3/4" HW, AND 2" V DOWN IN PIPE CHASES TO BACK TO BACK DECONTAM SINKS. ROUTE PIPING IN WALL BETWEEN SINKS FOR FAUCET CONNECTIONS.



LEVEL 01 PLAN - PLUMBING - AREA A

1/8" = 1'-0"

NORTH

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

Saint Luke's.
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	SWC
Checked By	MJO/BEH

Revision

Number	Date	Description
2	2/10/23	Addendum 2

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REF. SCALE IN INCHES 0 1 2 3
PROJECT #210067830.00

P201A

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LEVEL 01 PLAN - PLUMBING - AREA A

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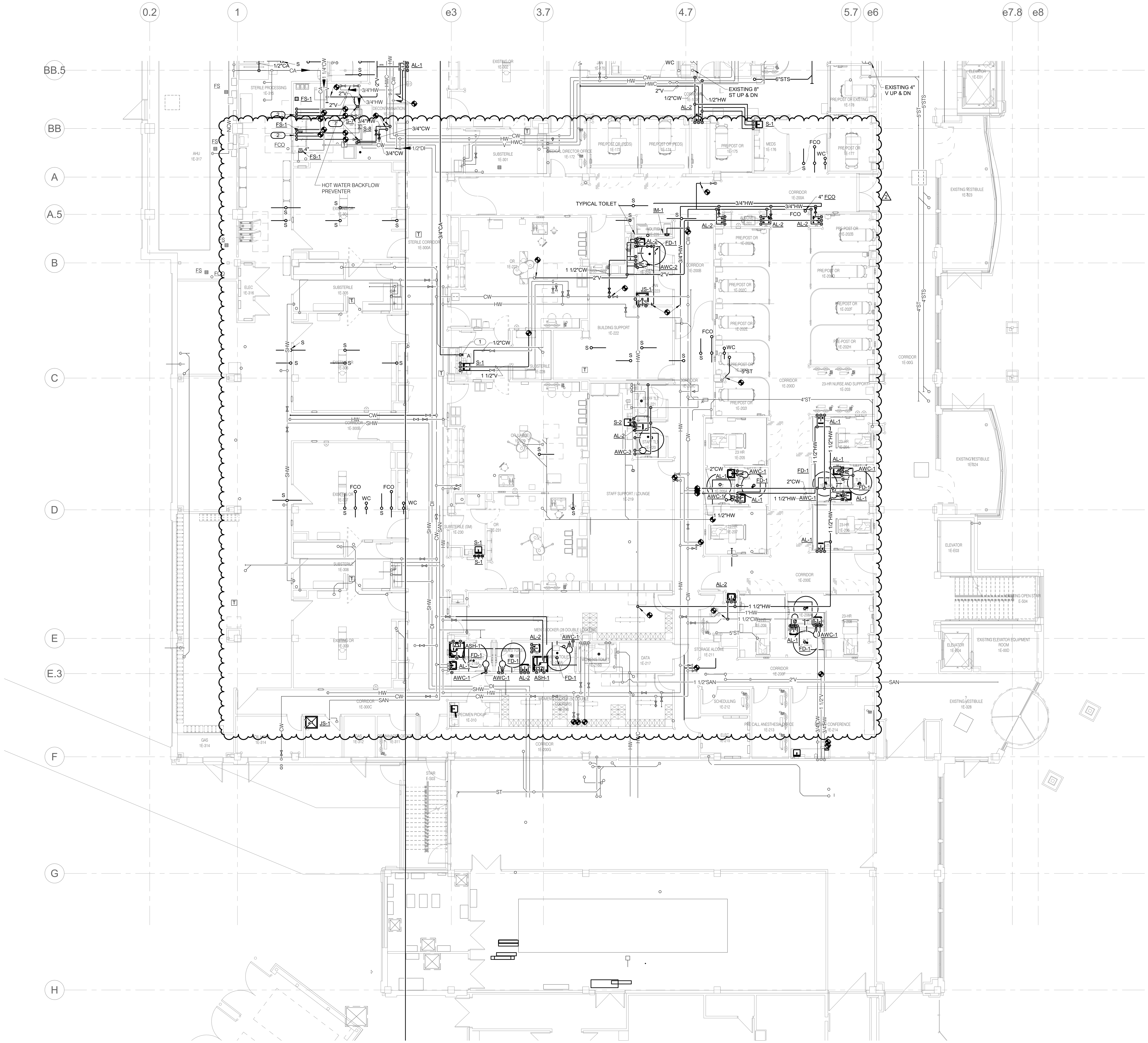

LEVEL 01 PLAN - PLUMBING - AREA B

1/8" = 1'-0"

SHEET NOTES:

1. REFER TO SHEET P000 FOR SYMBOLS AND GENERAL NOTES.

KEYNOTES: (#)

1. COMPRESSED AIR BRANCH DROP TO WALL OUTLET. FURNISH AND INSTALL CHICAGO FAUCET LEGACY FITTING #987-909 AGVPC WALL MOUNTED DUAL VALVE LAB FITTING WITH Y-PATTERN WALL FLANGE.
2. TURN 1/2" NCW, 1/2" NHW, 1/2" HDI, AND 1/2" CA DOWN THRU CEILING AND INSTALL SHUT-OFF VALVE ON EACH LINE JUST BELOW CEILING. EXTEND PIPING AND CONNECT TO WASHER IN ACCORDANCE WITH WASHER MANUFACTURER'S INSTRUCTIONS. IN EACH WATER LINE, PROVIDE WATER HAMER ARRESTOR, PRESSURE GAUGE, TEE WITH SAMPLING VALVE, AND UNION. IN AIR LINE, PROVIDE PRESSURE GAUGE AND UNION. ALSO PROVIDE DRAIN PIPING (NOT SHOWN) FROM WASHER TO NEW FLOOR SINK.

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/16/2024

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER

1/16/2023

Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

CONSTRUCTION DOCUMENTS

Saint Luke's EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	SWC
Checked By	MJO/BEH

Revision

Number	Date	Description
2	2/10/23	Addendum 2

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1600 BALTIMORE
SUITE 300
KANSAS CITY, MO 64108
P: 816.842.8437
www.imegcorp.com

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PROJECT #21006783.00

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BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/MEP21_21006783.00_SLH-East ASC Addition_C.rvt

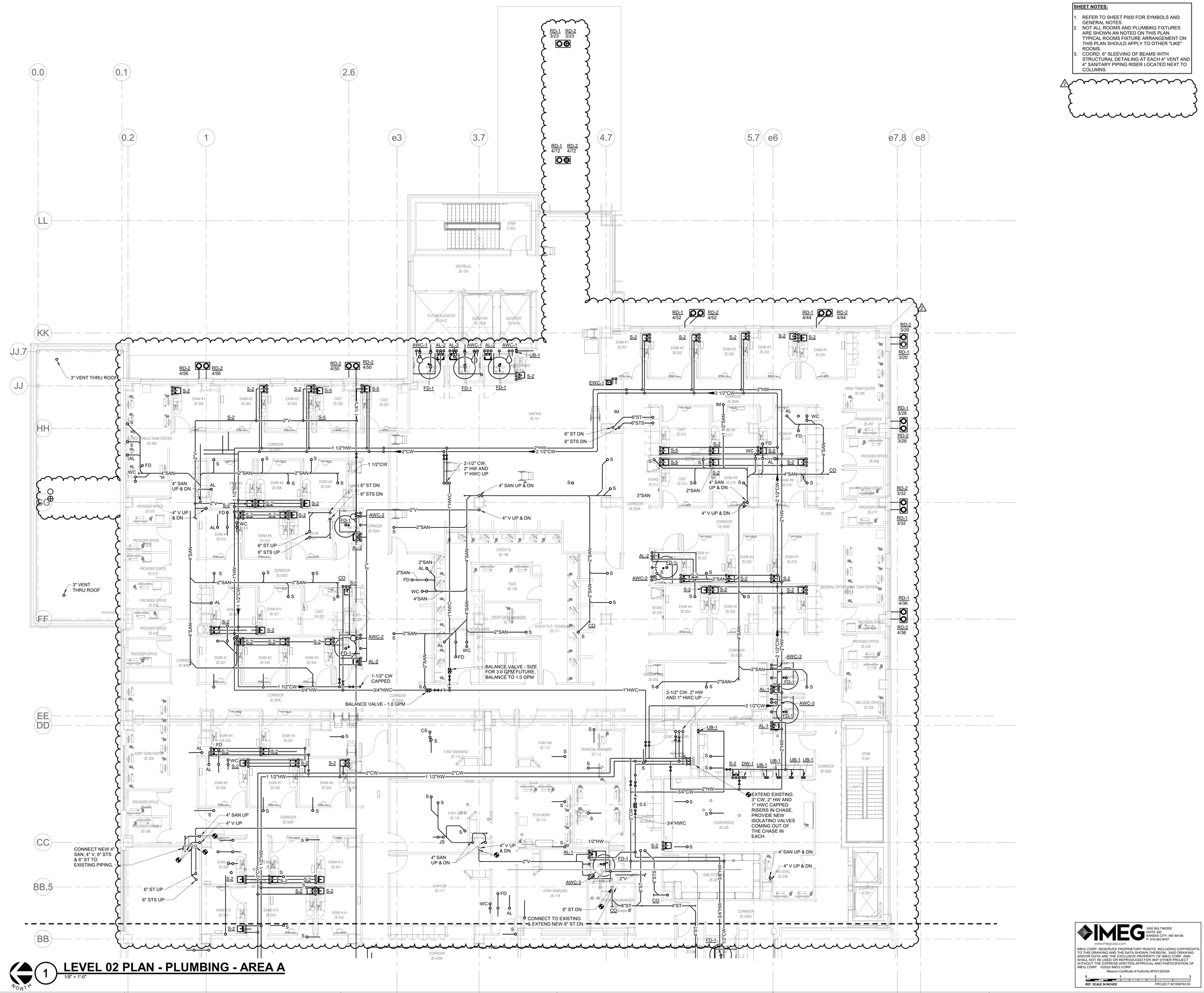
RELEASED FOR CONSTRUCTION
As noted on this sheet
Missouri Department of Economic Development Services Department
Saint Luke's East Hospital, Lee's Summit, Missouri
Date Released: 01/16/2024

2/10/2023 2:24:31 PM

SHEET NOTES:

1. REFER TO SHEET P000 FOR SYMBOLS AND GENERAL NOTES.
2. NOT ALL ROOMS AND PLUMBING FIXTURES ARE SHOWN AN NOTED ON THIS PLAN. TYPICAL ROOMS FIXTURE ARRANGEMENT ON THIS PLAN SHOULD APPLY TO OTHER "LIKE" ROOMS.
3. COORD. 6" SLEEVING OF BEAMS WITH STRUCTURAL DETAILING AT EACH 4" VENT AND 4" SANITARY PIPING RISER LOCATED NEXT TO COLUMNS.

2



1 **LEVEL 02 PLAN - PLUMBING - AREA A**
1/8" = 1'-0"

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
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Missouri: #000958

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	SWC
Checked By	MJO/BEH

Revision

Number	Date	Description
2	2/10/23	Addendum 2

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PROJECT #210067830.00

P202A

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LEVEL 02 PLAN - PLUMBING - AREA A

BIM 360/3-21037 SLE - ASC Expansion - Revit 2021/MEP21_210067830.00_SLH-East ASC Addition_C.rvt

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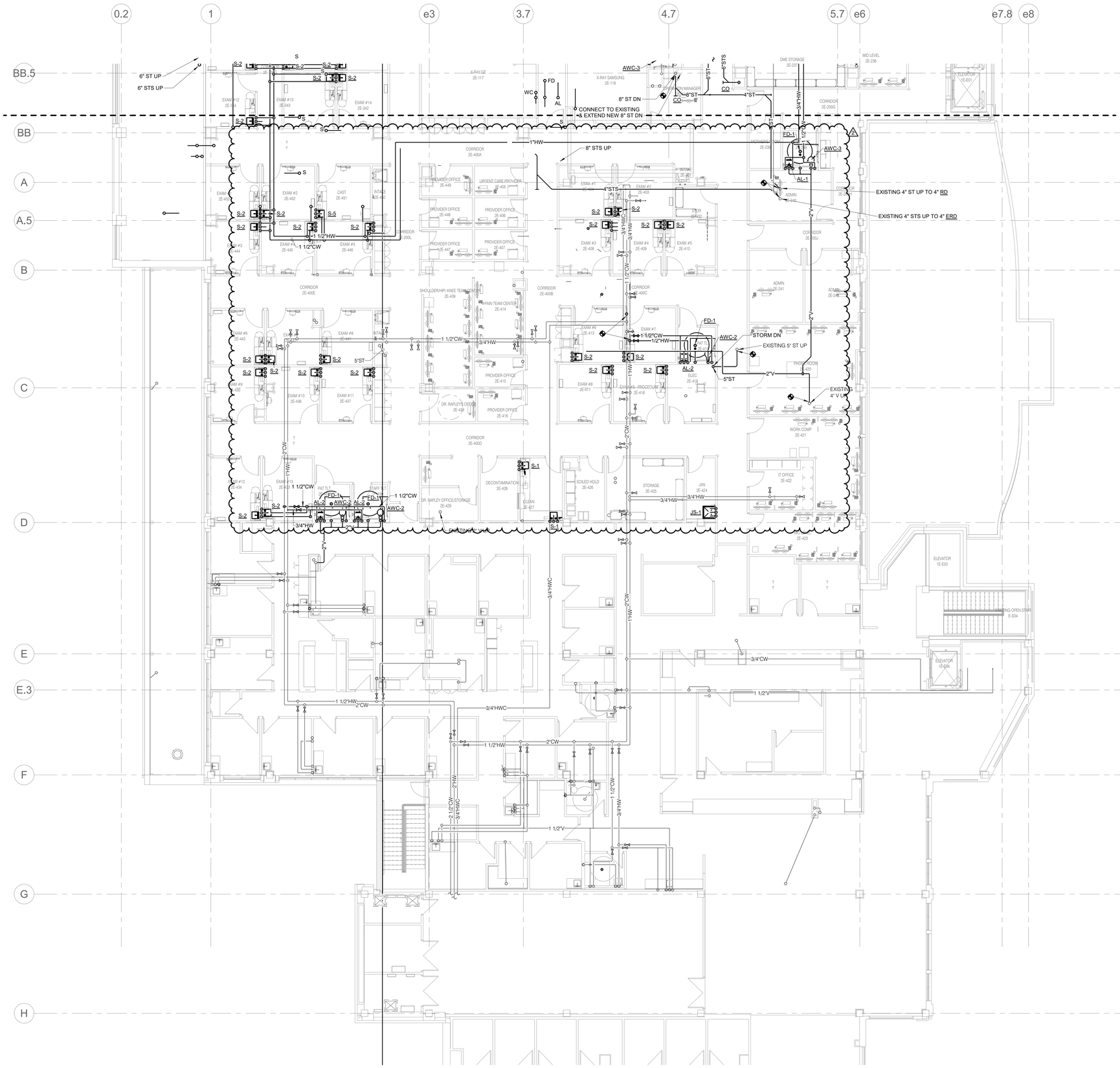
RELEASED FOR CONSTRUCTION
As noted on this sheet
Missouri Division of Fire Safety
Fee Exempt Services Department
Saint Luke's East Hospital
Lee's Summit, Missouri
01/16/2024

SHEET NOTES:

1. REFER TO SHEET P000 FOR SYMBOLS AND GENERAL NOTES.
2. NOT ALL ROOMS AND PLUMBING FIXTURES ARE SHOWN AN NOTED ON THIS PLAN. TYPICAL ROOMS FIXTURE ARRANGEMENT ON THIS PLAN SHOULD APPLY TO OTHER "LIKE" ROOMS.
3. COORD. 6" SLEEVING OF BEAMS WITH STRUCTURAL DETAILING AT EACH 4" VENT AND 4" SANITARY PIPING RISER LOCATED NEXT TO COLUMNS.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e8
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BB
A
A.5
B
C
D
E
E.3
F
G
H
6" ST UP
6" STS UP
CONNECT TO EXISTING
EXTEND NEW 8" ST DN
8" ST DN
8" STS UP
EXISTING 4" ST UP TO 4" RD
EXISTING 4" STS UP TO 4" ERD
EXISTING 5" ST UP
EXISTING 4" V UP
STORM DN
1"HW
1 1/2"CW
1 1/2"HW
1 1/2"CW
3/4"HW
2"CW
1 1/2"V
3/4"CW
3/4"HWC
2"HW
2"V
5"ST
4"ST
6"STS
FD
WC
AL
CO
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S-1
S-2
FD-1
AL-1
AL-2
AWC-2
AWC-3
JS-1
X-RAY GE 2E-117
X-RAY SAMSUNG 2E-118
CORRIDOR 2E-400A
CORRIDOR 2E-400B
CORRIDOR 2E-400C
CORRIDOR 2E-400D
CORRIDOR 2E-400E
CORRIDOR 2E-400L
PROVIDER OFFICE 2E-448
PROVIDER OFFICE 2E-449
PROVIDER OFFICE 2E-406
PROVIDER OFFICE 2E-407
PROVIDER OFFICE 2E-415
PROVIDER OFFICE 2E-416
DR. RAPLEY'S OFFICE 2E-438
DR. RAPLEY OFFICE/STORAGE 2E-439
SHOULDER/HIP/ KNEE TEAM CENTER 2E-439
SPAIN TEAM CENTER 2E-414
DECONTAMINATION 2E-428
SOILED HOLD 2E-426
CLEAN 2E-427
STORAGE 2E-425
JAN 2E-424
IT OFFICE 2E-422
WORK COMP 2E-421
ADMIN 2E-241
ADMIN 2E-240
ADMIN 2E-242
PHOTO ROOM 2E-405
ELEC 2E-419
MOTHERS ROOM 2E-238
DME STORAGE 2E-237
MID LEVEL 2E-236
CORRIDOR 2E-200G
CORRIDOR 2E-200J
ELEVATOR 1E-E01
ELEVATOR 1E-E03
ELEVATOR 1E-E04
EXISTING OPEN STAIR E-S04
EXAM #1 2E-401
EXAM #2 2E-402
EXAM #3 2E-408
EXAM #4 2E-409
EXAM #5 2E-410
EXAM #6 2E-443
EXAM #7 2E-412
EXAM #8 2E-417
EXAM #9 2E-435
EXAM #10 2E-436
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EXAM #12 2E-434
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EXAM #24 2E-450
EXAM #25 2E-451
EXAM #26 2E-452
EXAM #27 2E-453
EXAM #28 2E-454
EXAM #29 2E-455
EXAM #30 2E-456
EXAM

SHEET NOTES:

1. REFER TO SHEET P000 FOR SYMBOLS AND GENERAL NOTES.
2. COORD. 6" SLEEVING OF BEAMS WITH STRUCTURAL DETAILING AT EACH 4" VENT AND 4" SANITARY PIPING RISER LOCATED NEXT TO COLUMNS.

KEYNOTES: (#)

1. 2-1/2" CW, 2" HW AND 1" HWC DOWN AND 2" CW, 1-1/2" HW AND 1" HWC UP WITH SHUT-OFF VALVE AND CAPPED BELOW ROOF FOR FUTURE CONNECTION.
2. 2" CW, 1-1/2" HW AND 1" HWC UP TO BELOW ROOF WITH SHUT-OFF VALVE AND CAPPED FOR FUTURE CONNECTION.
3. 4" SAN DN & UP THRU ROOF.
4. 4" V DN & UP THRU ROOF.
5. COORD. 3" SLEEVE OF BEAM FOR SANITARY PIPING FROM SINK DOWN THRU FLOOR.
6. OFFSET 2" SANITARY IN CABINET BASE FOR ROUTING THRU FLOOR TO AVOID JOIST BELOW.

1 LEVEL 03 PLAN - PLUMBING - AREA A

1/8" = 1'-0"

NORTH

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

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ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	SWC
Checked By	MJO/BEH

Revision

Number	Date	Description
2	2/10/23	Addendum 2

IMEG
1600 BALTIMORE
SUITE 300
KANSAS CITY, MO 64108
P: 816.842.9437
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REF. SCALE IN INCHES 0 1 2 3
PROJECT #21006783.00

RELEASED FOR CONSTRUCTION
As noted on the drawings
Permitting Set - Not for Construction
Bidding Set - Not for Construction

P203A

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LEVEL 03 PLAN - PLUMBING - AREA A

2/10/2023 11:01:49 AM

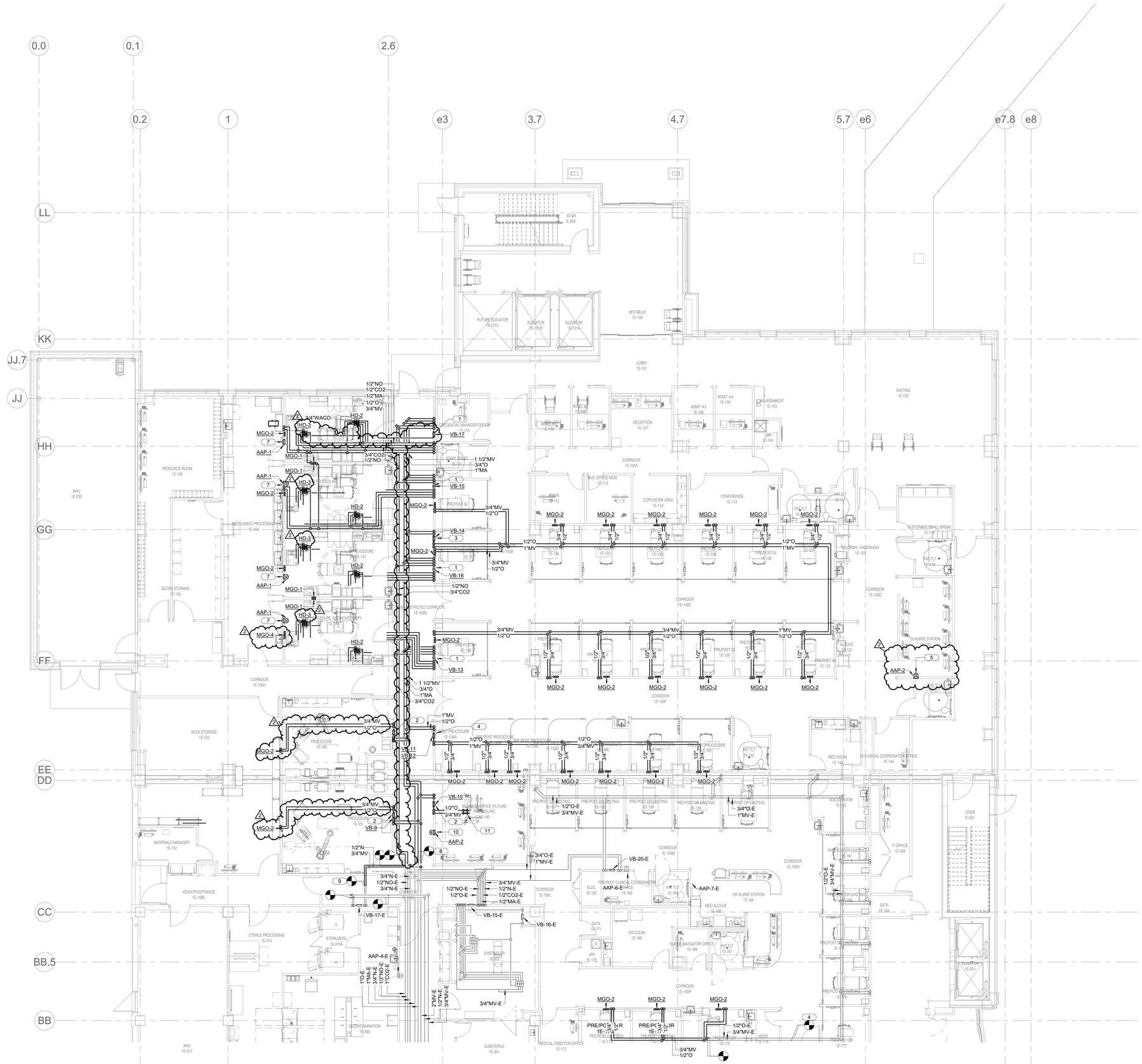
RELEASED FOR CONSTRUCTION
As Noted on Drawings
Development Services Department
Lee's Summit, Missouri
01/16/2024

SHEET NOTES:

1. REFER TO SHEET P000 FOR SYMBOLS AND GENERAL NOTES.

KEYNOTES: (#)

1. PROVIDE NEW G.I. PROCEDURE MEDICAL GAS ZONE VALVE BOX ASSEMBLY. COORDINATE FINAL WALL LOCATION AND ELEVATION WITH ARCHITECTURAL FINISH PLAN AND ALL OTHER TRADE(S) DEVICES. ROUTE MEDICAL GAS SUPPLY PIPING TO ROOM OUTLETS AS INDICATED.
2. PROVIDE NEW PROCEDURE ROOM MEDICAL GAS ZONE VALVE BOX ASSEMBLY. COORDINATE FINAL WALL LOCATION AND ELEVATION WITH ARCHITECTURAL FINISH PLAN AND ALL OTHER TRADE(S) DEVICES. ROUTE MEDICAL GAS SUPPLY PIPING TO ROOM OUTLETS AS INDICATED.
3. PROVIDE NEW PRE/POST G.I. ANESTHESIA RECOVERY UNIT MEDICAL GAS ZONE VALVE BOX ASSEMBLY. COORDINATE FINAL WALL LOCATION AND ELEVATION WITH ARCHITECTRUAL FINISH PLAN AND ALL OTHER TRADE(S) DEVICES. ROUTE MEDICAL GAS SUPPLY PIPING TO PATIENT BED OUTLETS AS INDICATED.
4. PROVIDE NEW PRE/POST-ANESTHESIA RECOVERY UNIT MEDICAL GAS ZONE VALVE BOX ASSEMBLY. ROUTE MEDICAL GAS SUPPLY PIPING TO PATIENT BED OUTLETS AS INDICATED.
5. PROVIDE NEW PRE/POST G.I. ANESTHESIA RECOVERY UNIT ZONE MEDICAL GAS ALARM PANEL IN G.I. NURSE STATION AREA. FIELD COORDINATE FINAL MOUNTING LOCATION. PROVIDE ALL NEW CONTROLS AS REQUIRED TO INTERFACE WITH BUILDING ALARM SYSTEM.
6. NOT USED.
7. NEW G.I. PROCEDURE ROOM MEDICAL GAS ZONE ALARM PANEL. COORDINATE FINAL PLACEMENT WITH ARCHITECTURAL FINISH PLAN AND MEDICAL EQUIPMENT PLAN. PROVIDE ALL NEW CONTROLS AS REQUIRED.
8. EXTEND 1" OXYGEN, 1" MEDICAL AIR, AND 2" MEDICAL VACUUM FROM EXISTING CORRIDOR MAIN LINES FOR EXPANSION AREA ROUTE NEW BRANCH PIPING TO PROCEDURE ROOM. G.I. PROCEDURE ROOM AND PRE/POST PROCEDURE ZONE VALVE BOXES AS SHOWN.
9. RECONNECT NEW NITROGEN AND VACCUM SUPPLY PIPING TO EXISTING ZONE VALVE BOX. COORDINATE ROUTING TO EXISTING CORRIDOR MAINS.
10. NEW PROCEDURE ROOM 1E-149/1E-150 MEDICAL GAS ZONE ALARM PANEL. COORDINATE FINAL WALL LOCATION. PROVIDE ALL ASSOCIATED CONTROLS AS REQUIRED.
11. VALVE AND CAP NEW 3/4" OXYGEN AND 1" VACUUM PIPE BRANCHES FOR FUTURE PROCEDURE ROOM.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JJ
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GG
FF
EE
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CC
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BB
STAIR E-502
FUTURE ELEVATOR 1E-101C
ELEVATOR 1E-101B
ELEVATOR 1E-101A
VESTIBULE 1E-100
LOBBY 1E-101
RECEPTION 1E-107
ADMIT #4 1E-105
ADMIT #3 1E-106
NOURISHMENT 1E-103
WAITING 1E-102
CORRIDOR 1E-100A
RESOURCE ROOM 1E-106
AHU 1E-233
INSTRUMENT PROCESSING 1E-164
SCOPE STORAGE 1E-155
BULK STORAGE 1E-153
MATERIALS MANAGER 1E-152
VENDOR ENTRANCE 1E-100K
STERILE PROCESSING 1E-315
STERILIZERS 1E-315A
DECONTAMINATION 1E-303
AHU 1E-317
SUBSTERILE 1E-301
MEDICAL DIRECTOR OFFICE 1E-172
BUS. OFFICE MGR 1E-113
COPY/WORK AREA 1E-114
CONFERENCE 1E-115
CORRIDOR 1E-100C
CORRIDOR 1E-100D
CORRIDOR 1E-100F
CORRIDOR 1E-100H
CORRIDOR 1E-100J
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CORRIDOR 1E-100M
CORRIDOR 1E-100N
CORRIDOR 1E-100P
OR NURSE STATION 1E-170
OR NURSE STATION 1E-165
MED ALCOVE 1E-166
NURSE NAVIGATOR OFFICE 1E-168
OR CLEAN 1E-169
DATA 1E-171
DATA 1E-184
IT OFFICE 1E-183
SOILED ROOM 1E-180
MED ROOM 1E-146
GI CLINICAL COORDINATOR OFFICE 1E-144
GI STORAGE/SMALL BREAK 1E-118
GI NURSE STATION 1E-119
NOURISH / HANDWASH 1E-123
ALCOVE 1E-122
PRE/POST GI 1E-109
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JAN 1E-170
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HD-3
HD-4
MGO-1
MGO-2
MGO-4
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3/4"O-E 1"MV-E
1/2"O-E 3/4"MV-E
3/4"N-E 1/2"NO-E 3/4"N-E
1/2"NO-E 1/2"O-E
3/4"MV-E 1/2"N-E 1/2"CO2-E 1/2"MA-E
2"MV-E 1/2"N-E 3/4"MV-E
1"O-E 1"MA-E 3/4"N-E 1"CO2-E
1/2"O-E 3/4"MV-E
3/4"MV-E
3/4"MV 1/2"O
1/2"O 3/4"MV
1/2"O 1"MV
1"MV 1/2"O
1/2"O 3/4"MV
3/4"O-E 1"MV-E
1/2"O-E 3/4"MV-E
1/2"O-E 3/4"MV-E
1/2"O 3/4"MV
3/4"MV 1/2"O
3/4"MV 1/2"O
1"MV 1/2"O
1/2"NO 3/4"CO2
1 1/2"MV 3/4"O 1"MA 3/4"CO2
1 1/2"MV 3/4"O 1"MA
3/4"CO2 1/2"NO
1/2"NO 1/2"CO2 1/2"MA 1/2"O 3/4"MV
1/2"O 1"MV
3/4"MV 1/2"O
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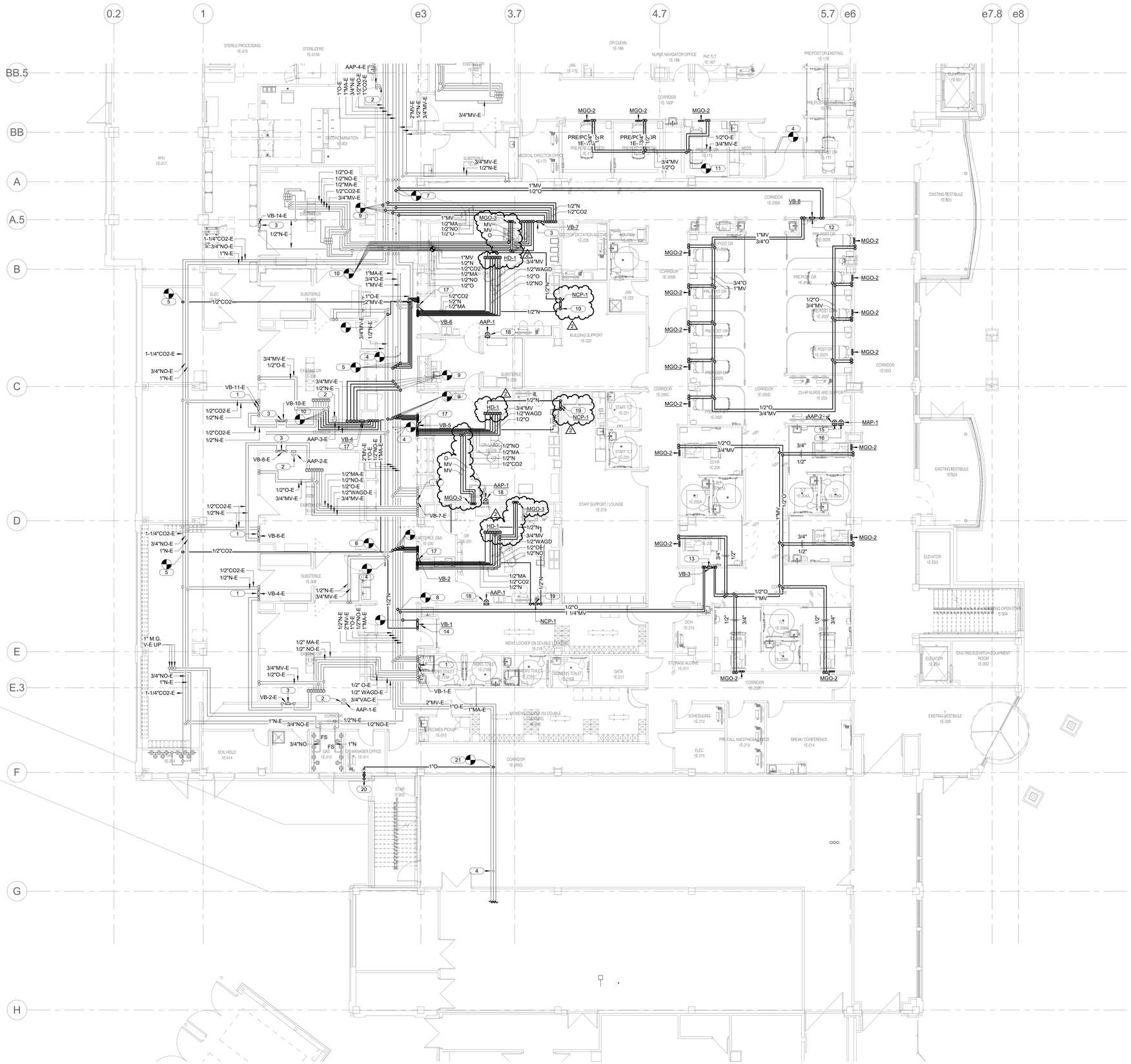


SHEET NOTES:

1. REFER TO SHEET P000 FOR SYMBOLS AND GENERAL NOTES.

KEYNOTES: (#)

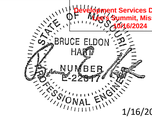
1. EXISTING MEDICAL GAS ZONE VALVE BOX ASSEMBLY TO REMAIN.
2. EXISTING MEDICAL GAS ZONE ALARM PANEL UNIT TO REMAIN.
3. EXISTING NITROGEN MEDICAL GAS CONTROL PANEL TO REMAIN.
4. CAP/RECONNCECT/ REPAIR EXISTING MEDICAL GAS BRANCH PIPING SECTIONS AS REQUIRED IN THIS AREA.
5. ROUTE NEW MEDICAL GAS BRANCH PIPING AND CONNECT TO EXISTING BRANCH PIPING AND ASSOCIATED MEDICAL GAS ZONE VALVE AS INDICATED.
6. ROUTE NEW NITROGEN PIPING AND CONNECT TO NEW MEDICAL GAS ZONE VALVE BOX ASSEMBLY. CAP EXISTING VACUUM MAIN IN THIS AREA.
7. CONNECT NEW POST-ANESTHESIA CARE UNIT ZONE VALVE BOX MEDICAL GAS BRANCH PIPING TO EXISTING MAINS IN THIS AREA. FIELD COORDINATE FINAL ROUTING TO NEW ZONE VALVE BOX WITH ALL TRADES.
8. CONNECT NEW PHASE-II RECOVERY UNIT ZONE VALVE BOX MEDICAL GAS BRANCH PIPING TO EXISTING MAINS IN THIS AREA. FIELD COORDINATE FINAL ROUTING TO NEW ZONE VALVE BOX WITH ALL TRADES.
9. CONNECT NEW OPERATING ROOM UNIT ZONE VALVE BOX MEDICAL GAS BRANCH PIPING TO EXISTING MAINS IN THIS AREA. FIELD COORDINATE FINAL ROUTING WITH ALL TRADES.
10. RECONNECT NEW MEDICAL GAS BRANCH PIPING TO EXISTING OPERATING ROOM BRANCH PIPING IN THIS AREA.
11. EXTEND EXISTING BRANCH PIPING TO NEW PRE/POST OPERATING ROOM RECOVERY UNITS IN THIS AREA.
12. NEW POST-ANESTHESIA RECOVERY UNIT ZONE VALVE BOX ASSEMBLY. COORDINATE FINAL MOUNTING LOCATION AND ELEVATION WITH ARCHITECTURAL FINISH PLAN AND ALL OTHER TRADE(S) DEVICES.
13. NEW PHASE-II RECOVERY UNIT ZONE VALVE BOX ASSEMBLY. COORDINATE FINAL MOUNTING LOCATION AND ELEVATION WITH ARCHITECTURAL FINISH PLAN AND ALL OTHER TRADE(S) DEVICES.
14. NEW NITROGEN AND MEDICAL VACUUM ZONE VALVE BOX ASSEMBLY.
15. NEW POST-ANESTHESIA RECOVERY UNIT / PHASE-II RECOVERY UNIT MEDICAL GAS ZONE ALARM PANEL. INTERFACE WITH EXISTING CONTROL SYSTEM AS REQUIRED.
16. PROVIDE NEW MASTER MEDICAL GAS ALARM PANEL. INTERFACE WITH EXISTING CONTROL SYSTEM AS REQUIRED.
17. PROVIDE NEW OPERATING ROOM MEDICAL GAS ZONE VALVE BOX ASSEMBLY IN THIS AREA. COORDINATE FINAL MOUNTING LOCATION AND ELEVATION WITH ARCHITECTURAL FINISH PLAN AND ALL OTHER TRADE(S) DEVICES.
18. NEW OPERATING ROOM MEDICAL GAS ZONE ALARM PANEL. FIELD COORDINATE FINAL LOCATION WITH ARCHITECTURAL FINISH PLAN AND ALL OTHER TRADE(S) DEVICES.
19. PROVIDE NEW NEW OPERATING ROOM NITROGEN CONTROL PANEL IN THIS AREA. FIELD COORDINATE FINAL LOCATION WITH ARCHITECTURAL FINISH PLAN AND ALL OTHER TRADE(S) DEVICES.
20. RELOCATED 1" EMERGENCY OXYGEN SUPPLY CONNECTION PER NFPA 99. LOCATE 4 FEET ABOVE GRADE. PROVIDE NEW SHUT-OFF AND CHECK VALVE.
21. RECONNECT EMERGENCY OXYGEN SUPPLY TO EXISTING BRANCH. FIELD COORDINATE FINAL ROUTING AND CONNECTION LOCATION WITH ALL TRADES.

1 LEVEL 01 PLAN - MEDICAL GAS - AREA B

1/8" = 1'-0"

NORTH

RELEASED FOR CONSTRUCTION
As noted on this sheet
Development Services Department
Summit, Missouri
2/10/2024



1/16/2023

Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	CL
Checked By	MJL/BEH

Revision

Number	Date	Description
2	2/10/23	Addendum 2

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1600 BALTIMORE SUITE 300 KANSAS CITY, MO 64108 P: 816.842.8437
www.imegcorp.com

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REF. SCALE IN INCHES
PROJECT #210067830 00

P211B

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LEVEL 01 PLAN - MEDICAL GAS - AREA B

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/MEP21_210067830_SLH-East ASC Addition_C.rvt

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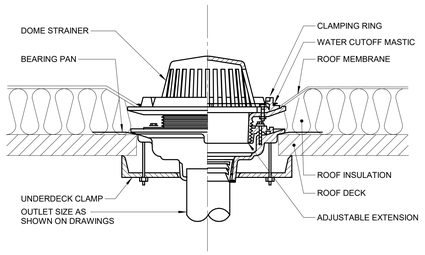
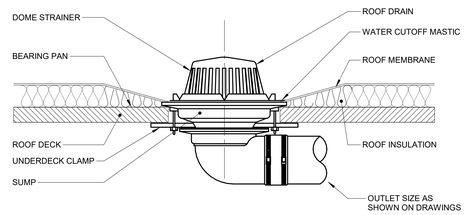
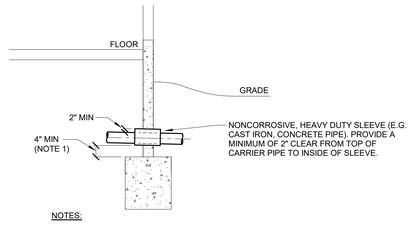


1 ROOF DRAIN DETAIL
12" = 1'-0"



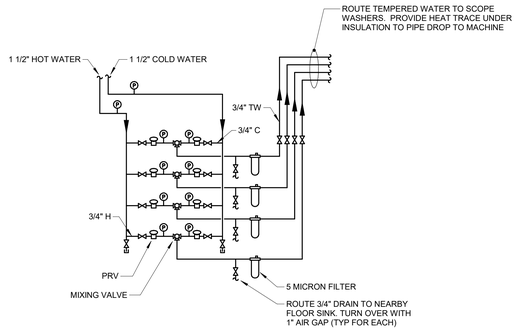
2 ROOF DRAIN DETAIL (SIDE OUTLET)
12" = 1'-0"



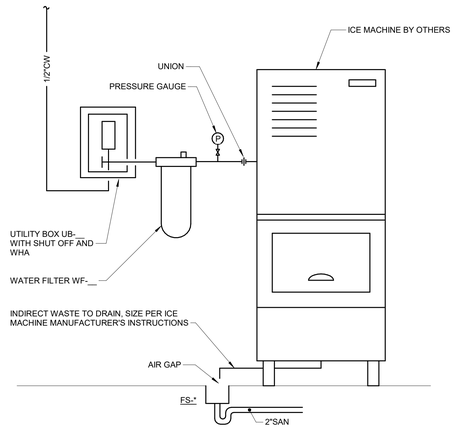
NOTES:

1. STEP FOOTING DOWN AS REQUIRED TO MAINTAIN MINIMUM DIMENSION.

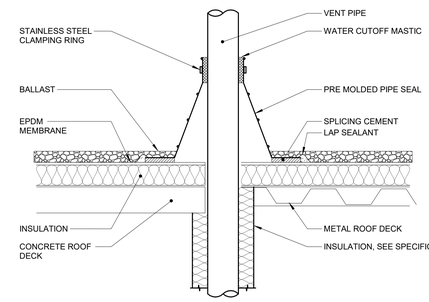
3 PIPE FOUNDATION AND SLEEVE DETAIL
12" = 1'-0"



4 SCOPE WASHER MIXING VALVE PIPING DIAGRAM
12" = 1'-0"



5 ICE MACHINE DETAIL
12" = 1'-0"



NOTES:

1. VENT PIPE SHALL BE A MINIMUM OF 3" DIAMETER UNLESS NOTED LARGER ON FLOOR PLANS. INCREASERS, IF REQUIRED TO TRANSITION TO THE LARGER VTR SIZE, MUST BE INSTALLED AT LEAST 12 INCHES BELOW THE THERMAL ENVELOPE OF THE BUILDING.
2. EXTEND VENT PIPE AT LEAST 7 FEET ABOVE ROOF LEVEL WHEN ROOF AREA IS INTENDED TO BE USED BY THE GENERAL PUBLIC. THIS INCLUDES PROMENADES, OBSERVATION DECKS, ETC. THIS IS NOT REQUIRED FOR ROOFS THAT ARE ACCESSIBLE BY MAINTENANCE PERSONEL ONLY.

6 VENT PIPE FLASHING
12" = 1'-0"

RELEASED FOR CONSTRUCTION
As noted on this sheet
Development Services Department
Lee's Summit, Missouri
01/16/2024

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

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EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description

IMEG 1600 BALTIMORE SUITE 300 KANSAS CITY, MO 64108 P: 816.842.8437
www.imegcorp.com

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REF. SCALE IN INCHES 0 1 2 3 — PROJECT #210006783.00

P400

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PLUMBING DETAILS

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/MEP21_210006783.00_SLH-East ASC Addition_C.rvt

RELEASED FOR CONSTRUCTION
As Noted on Drawings
Missouri Department of Transportation and Missouri Turnpike Authority
Kansas City Scout
Kansas Department of Transportation
Kansas Turnpike Authority
Kansas City Water Services
Kansas City Fire Department
Kansas City Missouri Public Works
Kansas City Missouri Water Services
Kansas City Missouri Fire Department
Kansas City Missouri Parks and Recreation
Independence Power & Light
Independence Water Department
Independence Fire Department
Blue Springs Fire Department
Lee's Summit Water Utilities
Lee's Summit Fire Department
Lee's Summit Missouri
01/06/2024

2/10/2023 2:25:04 PM

MEDICAL GAS MATERIAL LIST

TAG NAME	DESCRIPTION	MANUFACTURER AND MODEL
AAP-1	AREA ALARM PANEL - MODULAR IN DESIGN, DIGITAL TYPE, USED WITH REMOTE OR LOCAL SELF CONTAINED LINE PRESSURE AND LINE VACUUM SENSORS. THE MEDICAL GAS LINES TO BE MONITORED SHALL INCLUDE THE FOLLOWING: OXYGEN MEDICAL AIR MEDICAL VACUUM NITROGEN CARBON DIOXIDE NITROUS OXIDE WASTE ANESTHETIC GAS DISPOSAL THE MODULE FOR MONITORING EACH GAS OR VACUUM LINE SHALL INCLUDE THE FOLLOWING: AN AUDIBLE WARNING DEVICE THAT WILL SOUND IF THE PRESSURE IN A MEDICAL GAS LINE IS 20% ABOVE OR BELOW ITS NORMALSETTING AND AN "ABNORMAL" RED LIGHT THAT WILL COME ON. A SWITCH SHALL BE PROVIDED TO SILENCE THE AUDIBLE WARNING DEVICE. "ABNORMAL" RED LIGHT WILL REMAIN LIT UNTIL CONDITION HAS BEEN CORRECTED. A BUILT-IN LCD (LIQUID CRYSTAL DISPLAY) WILL CONTINUOUSLY INDICATE THE PRESSURE OR VACUUM AT ALL TIMES. A TEST SWITCH SHALL BE SUPPLIED TO TEST INTERNAL CIRCUITS, LIGHTS ANDWARNING DEVICES. ALL POWER WIRING TO THE ALARM PANEL AND SENSORS TO BE WIRED BY THE ELECTRICAL CONTRACTOR. ALL ALARM WIRING TO THE PANEL IS THIS CONTRACTORS RESPONSIBILITY. ALL WIRING TO COMPLY WITH THE RECOMMENDATION OF THE ALARM PANEL MANUFACTURER AND SHALL BE RUN IN CONDUIT. ALL WIRING SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE. THIS CONTRACTOR SHALL PROVIDE WIRING DIAGRAMS AND REQUIREMENTS TO THE ELECTRICAL CONTRACTOR.	BEACONMEDAES
AAP-2	SAME AS AAP-1, EXCEPT THIS ALARM PANEL SHALL BE USED TO MONITOR THE FOLLOWING MEDICAL GASES: OXYGEN MEDICAL VACUUM	BEACONMEDAES
HD-1	HOSE DROP ASSEMBLY WITH RETRACTORS. OUTLETS AND HOSES SHALL BE COLOR CODED FOR PROPER GAS SERVICE. HOSES FOR MEDICAL VACUUM SHALL HAVE MINIMUM I.D. OF 5/16". CONTRACTOR SHALL VERIFY CEILING HEIGHT AND SELECT HOSES SUCH THAT BOTTOM OF HOSE ASSEMBLY TERMINATES 6'-4" A.F.F. IN RETRACTED POSITION. ADD 20" OF LENGTH TO EACH HOSE AND COIL TO ALLOW FOR EXTENSION. THIS ASSEMBLY CONTAINS THE FOLLOWING MEDICAL GAS OUTLETS: [1] OXYGEN (O) OUTLET(S) [1] MEDICAL AIR (MA) OUTLET(S) [2] VACUUM (MV) INLET(S) [1] NITROGEN (N) OUTLET(S) [1] CARBON DIOXIDE (CO2) OUTLET(S) [1] NITROUS OXIDE (NO) OUTLET(S) [1] WASTE ANESTHIA GAS DISPOSAL (WAGD) INLET(S) REFER TO "OUTLETS" FOR ADDITIONAL INFORMATION, EXCEPT ALL CEILING MOUNTED OUTLETS SHALL BE DISS CONNECTION STYLE. HOSE END VALVE FITTINGS SHALL BE PURITAN BENNETT GEOMETRIC CONNECTION STYLE, EXCEPT FOR NITROGEN AND CARBON DIOXIDE, WHICH SHALL BE DISS CONNECTION STYLE. CONTRACTOR SHALL VERIFY THE HOSE END VALVE CONNECTION STYLE FOR EACH INDIVIDUAL GAS IS COMPATIBLE WITH EQUIPMENT USED IN THE FACILITY, PRIOR TO ORDERING.	BEACONMEDAES
HD-2	SAME AS HD-1, EXCEPT THIS ASSEMBLY CONTAINS THE FOLLOWING MEDICAL GAS OUTLETS: [1] OXYGEN (O) OUTLET(S) [1] MEDICAL AIR (MA) OUTLET(S) [2] VACUUM (MV) INLET(S) [2] NITROUS OXIDE (NO) OUTLET(S) [1] WASTE ANESTHIA GAS DISPOSAL (WAGD) INLET(S)	BEACONMEDAES
HD-3	SAME AS HD-1, EXCEPT THIS ASSEMBLY CONTAINS THE FOLLOWING MEDICAL GAS OUTLETS: [1] OXYGEN (O) OUTLET(S) [1] MEDICAL AIR (MA) OUTLET(S) [2] VACUUM (MV) INLET(S) [1] CARBON DIOXIDE (CO2) OUTLET(S) [1] NITROUS OXIDE (NO) OUTLET(S) [1] WASTE ANESTHIA GAS DISPOSAL (WAGD) INLET(S)	BEACONMEDAES
MGO-1	MODULAR MEDICAL GAS OUTLET GROUP WHICH WILL CONTAIN THE FOLLOWING MEDICAL GAS OUTLETS: [1] MEDICAL VACUUM (MV) INLET(S). REFER TO 'OUTLETS' FOR ADDITIONAL INFORMATION.	BEACONMEDAES
MGO-2	MODULAR MEDICAL GAS OUTLET GROUP WHICH WILL CONTAIN THE FOLLOWING MEDICAL GAS OUTLETS: [1] OXYGEN (O) OUTLET(S) [1] MEDICAL VACUUM (MV) INLET(S). REFER TO 'OUTLETS' FOR ADDITIONAL INFORMATION.	BEACONMEDAES
MGO-3	MODULAR MEDICAL GAS OUTLET GROUP WHICH WILL CONTAIN THE FOLLOWING MEDICAL GAS OUTLETS: [1] OXYGEN (O) OUTLET(S) [2] VACUUM (MV) INLET(S) REFER TO 'OUTLETS' FOR ADDITIONAL INFORMATION.	BEACONMEDAES
MGO-4	MODULAR MEDICAL GAS OUTLET GROUP WHICH WILL CONTAIN THE FOLLOWING MEDICAL GAS OUTLETS: [1] OXYGEN (O) OUTLET(S) [2] VACUUM (MV) INLET(S) [1] CARBON DIOXIDE (CO2) OUTLET(S) REFER TO 'OUTLETS' FOR ADDITIONAL INFORMATION.	BEACONMEDAES
NCP-1	DESCRIPTION: NITROGEN PRESSURE CONTROL CABINET - RECESSED, LINE PRESSURE CONTROL REGULATOR WITH MINIMUM WORKING PRESSURE OF 200 PSI; TWO LINE-PRESSURE GAUGES TO MONITOR SUPPLY AND OUTLET LINES CALIBRATED FROM 0 TO 300 PSI IN INCREMENTS OF 10 PSI; DISS NITROGEN SERVICE OUTLET, AND SUPPLY VALVE WITH SELF-SEALING DUST PLUG AND PRIMARY CHECK UNIT WITH WORKING PRESSURE OF 200 PSI; STEEL ROUGH-IN ASSEMBLY FOR RECESSED INSTALLATION, PRIME-PAINTED, STAINLESS STEEL OR ALUMINUM COVER PLATE WITH CONTROL IDENTIFICATIONS AND OPERATING INSTRUCTIONS IMPRINTED ON THE PRESSURE CONTROL AND SUPPLY VALVE KNOBS; TWO 5-3/4 " LENGTHS OF 3/8" OD TYPE "K" COPPER TUBING.	BEACONMEDAES
OHTE	MEDICAL GAS SERVICE OUTLET, RECESSED, HORIZONTAL WALL MOUNTED, ROUGH-IN ASSEMBLY AND FINISH ASSEMBLY, MOUNTING FLANGES, PLASTER STRIKE, SECONDARY CHECK, 3/8" O.D. TYPE K COPPER INLET TUBE, LABEL IDENTIFYING SPECIFIC GAS BY NAME AND COLOR, BRUSHED STAINLESS STEEL FINISHING PLATE. SYMBOLS FOR OUTLETS ARE AS FOLLOWS: O OXYGEN MA MEDICAL AIR MV MEDICAL VACUUM N NITROGEN CO2 CARBON DIOXIDE NO NITROUS OXIDE WAGD WASTE ANESTHETIC GAS DISPOSAL PROVIDE ONE VACUUM SLIDE ASSEMBLY WITH EACH VACUUM SERVICE OUTLETS FOR ALL GASES SHALL BE PURITAN BENNETT GEOMETRIC CONNECTION STYLE, EXCEPT FOR NITROGEN AND CARBON DIOXIDE, WHICH SHALL BE DISS CONNECTION STYLE. CONTRACTOR SHALL VERIFY THE OUTLET CONNECTION STYLE FOR EACH INDIVIDUAL GAS IS COMPATIBLE WITH EQUIPMENT USED IN THE FACILITY, PRIOR TO ORDERING.	BEACONMEDAES
VB-1	VALVE BOX - PAINTED GALVANIZED STEEL WITH PLASTER FRAME, TEMPORARY PLASTER GUARD, IDENTIFICATION COVER AND SHIELD. THE FINISH FRAME SHALL MOUNT TO BOX WITH CONCEALED MOUNTING SCREWS. PLACEMENT OF VALVE HANDLE WITHIN THE BOX SHALL BE SUCH THAT THE EMERGENCY PLASTIC PULL-OUT WINDOW CANNOT BE REPLACED WITH THE VALVE HANDLE IN THE "OFF" POSITION. FACTORY INSTALLED TUBING SHALL EXTEND AT LEAST 3" BEYOND THE BOX, AND THE VALVE BODY SHALL BE SWUNG OUT OF LINE OF HEAT TRANSFER, PERMITTING JOINT TO BE BRAZED WITHOUT OBSTRUCTION OR HEAT DAMAGE TO VALVE. OPEN ENDS OF TUBING SHALL BE CAPPED TO AVOID PRESINSTALLATION CONTAMINATION. A 1-1/2" DIAMETER LINE PRESSURE/VACUUM GAUGE SHALL BE SUPPLIED AND INSTALLED DOWNSTREAM OF SHUTOFF VALVE. ALL VALVES SHALL BE PREPARED FOR OXYGEN SERVICE AND SHALL CONFORM TO NFPA #99. ALL VALVES SHALL BE OF BALL-TYPE, WITH DOUBLE O-RING STEM SEAL AND TEFLON BALL SEATING, MINIMUM WORKING PRESSURE OF 400 PSIG, ACTUATED FROM FULL "ON" TO FULL "OFF" BY 90 DEGREE TURN OF VALVE HANDLE. IDENTIFY SERVICE ON EACH VALVE HANDLE. VALVES SHALL BE THE SAME SIZE AS THE PIPING ENTERING THE VALVE. VALVE BOX SHALL CONTAIN THE FOLLOWING VALVES: NITROGEN	BEACONMEDAES
VB-2	SAME AS VB-1, EXCEPT IT SHALL INCLUDE THE FOLLOWING VALVES: OXYGEN, MEDICAL AIR, VACUUM, NITROGEN, CARBON DIOXIDE, NITROUS OXIDE, AND WASTE ANESTHESIA GAS DOSPOSAL.	BEACONMEDAES
VB-3	SAME AS VB-1, EXCEPT IT SHALL INCLUDE THE FOLLOWING VALVES: OXYGEN & VACUUM	BEACONMEDAES
VB-4	SAME AS VB-2.	BEACONMEDAES
VB-5	SAME AS VB-2.	BEACONMEDAES
VB-6	SAME AS VB-2.	BEACONMEDAES
VB-7	SAME AS VB-2.	BEACONMEDAES
VB-8	SAME AS VB-3.	BEACONMEDAES
VB-9	SAME AS VB-3.	BEACONMEDAES
VB-10	SAME AS VB-3.	BEACONMEDAES
VB-11	SAME AS VB-3.	BEACONMEDAES
VB-12	SAME AS VB-3.	BEACONMEDAES
VB-13	SAME AS VB-2.	BEACONMEDAES
VB-14	SAME AS VB-3.	BEACONMEDAES
VB-15	SAME AS VB-2.	BEACONMEDAES
VB-16	SAME AS VB-2.	BEACONMEDAES
VB-17	SAME AS VB-2.	BEACONMEDAES

PLUMBING MATERIAL LIST

TAG NAME	DESCRIPTION	MANUFACTURER AND MODEL
AEWC-1	TBD	TBD
AL-1	ACCESSIBLE LAVATORY - VITREOUS 20 1/2"x18 1/4" CHINA WALL HUNG LAVATORY WITH INTEGRAL BACK, FRONT OVERFLOW AND SIDE SPLASH SHIELDS FOR CONCEALED ARMS. 4" CENTER FAUCET HOLES. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT. LAVATORY TRIM - CHICAGO FAUCET NO. 895-GN2FC-317-XK FAUCET, 4" CENTERS, 5-1/4" SPOUT, NO.317 4" WRIST BLADE HANDLES WITH CERAMIC DISC CARTRIDGE & FLOW CONTROL, AMERICAN STANDARD NO. 2411.015 PERFORATED GRID STRAINER DRAIN WITH 1-1/4" TAILPIECE. DEARBORN NO. 510 1-1/2" 17 GAUGE "P" TRAP WITH ADAPTER FOR 1-1/4" TAILPIECE, CLEANOUT AND ESCUTCHEONS. DEARBORN NO. 2712 KCW HOT AND COLD WATER COMPRESSION INLET SUPPLIES WITH STOPS. PROVIDE TRUEBRO "LAVSHIELD" PVC ENCLOSURE MODEL 2018-AS-L1	LAVATORY - AMERICAN STANDARD NO. 0355.012 "LUCERNE" WALL HUNG LAVATORY. LAVATORY TRIM - CHICAGO FAUCET NO. 895-GN2FC-317-XK
AL-2	ACCESSIBLE LAVATORY WITH SENSOR - VITREOUS 20 1/2"x18 1/4" CHINA WALL HUNG LAVATORY WITH INTEGRAL BACK, FRONT OVERFLOW AND SIDE SPLASH SHIELDS FOR CONCEALED ARMS. SINGLE CENTER FAUCET HOLE. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT. LAVATORY TRIM - CHICAGO FAUCET 116.222.AB.1 SINGLE HOLE, DECK MOUNTED, TRADITIONAL ELECTRONIC LAVATORY FAUCET WITH INFRARED SENSOR. DUAL SUPPLY FOR HOT AND COLD, ADJUSTABLE TEMPERATURE CONTROL MIXER, 6 VOLT LITHIUM CRP2 BATTERY. AMERICAN STANDARD NO. 2411.015 PERFORATED GRID STRAINER DRAIN WITH 1-1/4" TAILPIECE. DEARBORN NO. 510 1-1/2" 17 GAUGE "P" TRAP WITH ADAPTER FOR 1-1/4" TAILPIECE, CLEANOUT AND ESCUTCHEONS. DEARBORN NO. 2712 KCW HOT AND COLD WATER COMPRESSION INLET SUPPLIES WITH STOPS. PROVIDE TRUEBRO "LAVSHIELD" PVC ENCLOSURE MODEL 2018-AS-L1	LAVATORY - AMERICAN STANDARD NO. 0356.412 "LUCERNE" WALL HUNG LAVATORY. LAVATORY TRIM - CHICAGO FAUCET 116.222.AB.1
AL-3	ACCESSIBLE LAVATORY WITH EYE WASH - VITREOUS 20 1/2"x18 1/4" CHINA WALL HUNG LAVATORY WITH INTEGRAL BACK, FRONT OVERFLOW AND SIDE SPLASH SHIELDS FOR CONCEALED ARMS. 8" CENTER FAUCET HOLES. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT. LAVATORY TRIM - SPEAKMAN NO. SEF-1800-CA-L-F-TW FAUCET, LEAD-FREE BRASS CONSTRUCTION WITH CHROME PLATING, 8" CENTERS, 5 1/2" GOOSENECK SPOUT WITH INTEGRATED EYE WASH, AERATED YELLOW PLASTIC SPRAY OUTLETS WITH FLIP-TOP DUST CAPS, DEDICATED SUPPLY CONNECTION FOR EYE WASH WITH PULL-HANDLE ACTIVATOR, BELOW-DECK THERMOSTATIC MIXING VALVE WITH ASSE 1071 LISTING, 4" WRIST BLADE HANDLES, CERMAIC CARTRIDGES, AND 1.5 GPM LAMINAR FLOW OUTLET. ELKAY NO. LK18 C.P. BRASS GRID STRAINER DRAIN WITH 1-1/2" C.P. BRASS TAILPIECE. DEARBORN NO. 2712 KCW HOT AND COLD WATER COMPRESSION INLET SUPPLIES WITH STOPS. PROVIDE TRUEBRO "LAVSHIELD" PVC ENCLOSURE MODEL 2018-AS-L1	LAVATORY - AMERICAN STANDARD NO. 0356.015 "LUCERNE" WALL HUNG LAVATORY. LAVATORY TRIM - SPEAKMAN NO. SEF-1800-CA-L-F-TW.
ASH-1	SHOWER - ACCESSIBLE ONE PIECE, REINFORCED FIBERGLASS CONSTRUCTION, WHITE GELCOATED FINISH, 36"x36" (NOMINAL), RIGHT OR LEFT HAND AS SHOWN ON DRAWINGS, SLIP-RESISTANT FLOOR, 2" FLOOR DRAIN, 4" NICKEL BRONZE STRAINER, ADA COMPLIANCE WITH LATEST ANSI A117.1 AND ADA STANDARDS. PROVIDE WITH T-SHAPE WATER STOPPER. SHOWER VALVE - ACCESSIBLE, SINGLE HANDLE PRESSURE BALANCED MIXING FAUCET, BRASS OR BRONZE CONSTRUCTION, WASHERLESS DESIGN, OFF-COLD-HOT TEMPERATURE RANGE INDICATOR DIAL, POLISHED CHROME CAST METAL LEVER HANDLE, INTEGRAL CHECK STOPS, ADJUSTABLE TEMPERATURE LIMIT STOP. ASSE 1016 LISTED. ACCESSORIES - CHROME-PLATED BRASS SHOWERHEAD WITH SWIVEL BALL JOINT, CHROME-PLATED BRASS ARM AND FLANGE, HAND HELD SHOWER WITH ON/OFF CONTROL AND NON-POSITIVE SHUT OFF, 69" CHROME-PLATED METAL HOSE, CHROME-PLATED BRASS SWIVEL CONNECTOR, 24" CHROME-PLATED MOUNTING RAIL WITH HEIGHT ADJUSTABLE FROM 48"-72" A.F.F., CHROME-PLATED BRASS SUPPLY ELBOW FLANGE, CHR-PLATED IN-LINE VACUUM BREAKER WITH CHROME-PLATED PIPING AND FLANGES, CHROME-PLATED BRASS 2 FUNCTION TRANSFER VALVE. INSTALL ALL CONTROLS BETWEEN 38" AND 48" ABOVE FINISHED FLOOR IN COMPLIANCE WITH LATEST ADA STANDARDS. INSTALL BOTTOM OF SHOWERHEAD AT 72" ABOVE FINISHED FLOOR. MAXIMUM FLOW TO BE 2.5 GPM IN COMPLIANCE WITH ENERGY POLICY ACT OF 2005 AND ASME/ANSI STANDARD A112.18.1M. SET SAFETY LIMIT STOP TO 110 DEGREE F DISCHARGE. ACCESSORIES - FOLD DOWN PHENOLIC SIMULATED TEAKWOOD SEAT, 1 1/2" 18 GAUGE TYPE 304 STAINLESS STEEL HORIZONTAL GRAB BAR ON BACK WALL AND VALVE WALL, 1" DIAMETER STAINLESS STEEL CURTAIN ROD, COMMERCIAL GRADE VINYL SHOWER CURTAIN. GRAB BAR SHALL BE MOUNTED WITH STAINLESS STEEL NUTS AND BOLTS AND FASTENED FROM THE BACKSIDE OF THE UNIT WITH MINIMUM 3"x3" METAL PLATES. UNIT SHALL BE RECESSED IN SUB-FLOOR TO ALLOW FOR A MAXIMUM CURB HEIGHT OF 1/2" OR LESS ABOVE THE FINISHED FLOOR. MOUNT SHOWER CURTAIN ROD AS HIGH AS POSSIBLE.	SHOWER - OASIS (SHFW-3837), AQUARIUS (G3698BF), BEST BATH (LSS3839AST), AQUATIC (1363-BFS) SHOWER VALVE - POWERS E420 THERMOSTATIC WATER MIXER. HAND SPRAY AND HOSE - CHICAGO FAUCET 151-ACP
AWC-1	ACCESSIBLE FLR. MTD. FLR. OUTLET WATER CLOSET WITH BEDPAN - VITREOUS CHINA, WATER SAVER, 1.6 GPF SIPHON JET FLUSH ACTION, ELONGATED BOWL, FLOOR OUTLET, 1-1/2" TOP SPUD. FLUSH VALVE - SLOAN ROYAL FLUSHOMETER BPW-1150-1.6 BEDPAN FOR ADA INSTALLATION WITH GRAB BAR OFFSET, QUIET OPERATING, WITH VACUUM BREAKER, DIVERTING VALVE ASSEMBLY, SPRAY ARM, 1" I.P.S. SCREWDRIVER BAK-CHEK ANGLE STOP FOR PROTECTIVE CAP ADJUSTABLE TAIL PIECE AND STOPS. CHURCH 9400 SSC ELONGATED OPEN FRONT SEAT (LESS COVER) STAINLESS STEEL HINGE WITH CHECK STOP. FLOOR MOUNTING KIT, SECURELY BOLT FIXTURE TO FLOOR. FURNISH WITH FLOOR FLANGE AND WAX RING.	WATER CLOSET - AMERICAN STANDARD 3462.001 "MADERA" 16-1/2" ELONGATED FLUSH VALVE TOILET FLUSH VALVE - SLOAN ROYAL FLUSHOMETER BPW-1150
AWC-2	ACCESSIBLE FLR. MTD. FLR. OUTLET WATER CLOSET WITH SENSOR - VITREOUS CHINA, WATER SAVER, 1.6 GPF SIPHON JET FLUSH ACTION, ELONGATED BOWL, FLOOR OUTLET, 1-1/2" TOP SPUD. SLOAN OPTIMA G2 ROYAL FLUSHOMETER 8111, 1.6 GPF LOW CONSUMPTION FLUSH VALVE, ADA BATTERY POWERED SENSOR, OVERRIDE BUTTON, QUIET OPERATING, WITH VACUUM BREAKER AND STOPS. CHURCH 9500SSC OPEN FRONT SEAT LESS COVER WITH STAINLESS STEEL HINGE AND CHECK STOP, FLOOR MOUNTING KIT, SECURELY BOLT FIXTURE TO FLOOR. FURNISH WITH FLOOR FLANGE AND WAX RING.	WATER CLOSET - AMERICAN STANDARD 3462.001 "MADERA" 16-1/2" ELONGATED FLUSH VALVE TOILET FLUSH VALVE - SLOAN ROYAL FLUSHOMETER 8111
AWC-3	ACCESSIBLE FLR. MTD. FLR. OUTLET WATER CLOSET WITH SENSOR - VITREOUS CHINA, WATER SAVER, 1.6 GPF SIPHON JET FLUSH ACTION, ELONGATED BOWL, FLOOR OUTLET, 1-1/2" TOP SPUD. SLOAN ROYAL 111 WATER SAVER 1.6 GPF FLUSH VALVE. QUIET OPERATING, WITH VACUUM BREAKER. CHURCH 9500SSC OPEN FRONT SEAT LESS COVER WITH STAINLESS STEEL HINGE AND CHECK STOP, FLOOR MOUNTING KIT. SECURELY BOLT FIXTURE TO FLOOR. FURNISH WITH FLOOR FLANGE AND WAX RING.	WATER CLOSET - AMERICAN STANDARD 3462.001 "MADERA" 16-1/2" ELONGATED FLUSH VALVE TOILET FLUSH VALVE - SLOAN ROYAL 111
CS-1	CLINIC SERVICE SINK - VITREOUS CHINA SERVICE SINK WITH FLUSHING RIM, INTEGRAL TRAP, 4" WALL OUTLET AND 1-1/2" TOP SPUD. SINK TRIM - THREE (3) NO. 7832.017 STAINLESS STEEL SPRING TYPE RIM GUARDS. SLOAN NO. 117-HO "ROYAL" FLUSH VALVE AND CHICAGO FAUCET NO.910-G777-150XKCP WALL MOUNTED PEDAL VALVE RED PAN CLEARNER, CHICAGO FAUCET 814VB CP VACUUM BREAKER, ANGLE SPRAY NOZZLE WITHOUT VALVE, WHITE VINYL HOSE WITH HOOK. CONCEALED CARRIER WITH FLANGE SUPPORT BOLTED TO WALL.	SINK - AMERICAN STANDARD NO. 9512.013 SINK TRIM - CHICAGO FAUCET 814VB
DW-1	DISHWASHER - RECESSED BOX FOR DISHWASHER WITH 1/2" MPT BRASS HOT WATER CONNECTION WITH SHUT OFF VALVE ON SUPPLY CONNECTION AND 2" DRAIN CONNECTION. PROVIDE SUPPLY AND DRAIN HOSES TO DISHWASHER CONNECTIONS. COORDINATE MOUNTIGN HEIGHT WITH DISHWASHER MANUFACTURER. FURNISH A.O. SMITH FIXED AIR GAP 3950 3/4" INLET & 1-1/2" OUTLET. DEARBORN NO. 704-17 GAUGE 1-1/2" "P" TRAP W/ ESCUTCHEON.	GUY GRAY NO. 88436-RMDW1AB
EEW-2	EMERGENCY EYE WASH - WALL MOUNTED EMERGENCY EYE AND FASH WASH. WALL MOUNTED BARRIER FREE EYE/FACE WASH ASSEMBLY WITH YELLOW IMPACT RESISTANT BOWL, YELLOW TRANSPARENCY PLASTIC BOWL AND DUST COVERS, STAINLESS STEEL PUSH ACTIVATION HANDLE, STAINLESS STEEL BALL VALVE, SPRAY HEADS TO BE IMPACT RESISTANT ABS PLASTIC AND NAVIGATOR S19-2000 EFX-8 EMERGENCY THERMOSTATIC MIXING VALVE.	BRADLEY HALO S19224

PLUMBING MATERIAL LIST

TAG NAME	DESCRIPTION	MANUFACTURER AND MODEL
EWC-1	ELECTRIC WATER COOLER - WALL HUNG, 18 GAUGE STAINLESS STEEL CABINET AND NON-SPLASH BASIN WITH STAINLESS STEEL FINISH, STREAM PROJECTOR WITH PROTECTIVE HOOD, PUSH BAR OR LEVER OPERATING CONTROLS ON FRONT AND SIDES. BUILT-IN FLOW REGULATOR, PLASTIC P-TRAP ASSEMBLY, ADJUSTABLE THERMOSTAT, MOUNTING ACCESSORIES, TANK DRAIN AND ANGLE STOPS, HERMETIC COMPRESSOR TO OPERATE ON HFC-134a REFRIGERANT, COMPLIANT TO LATEST ANSI A117.1 AND ADA STANDARDS. UNIT SHALL COMPLY WITH FEDERAL ACT S.3874. BOTTLE FILLING STATION - UNIT MOUNTED, STAINLESS STEEL CONSTRUCTION AND FINISH, INTEGRAL DRAIN, SENSOR OPERATED WITH AUTOMATIC SHUTOFF, BOTTLE COUNTER. UNIT SHALL PROVIDE 8.0 GPH OF WATER FROM 80°F TO 50°F AT 90°F AMBIENT. WATER SYSTEM SHALL BE OF LEAD FREE CONSTRUCTION. TANK SHALL BE TESTED TO 125 PSIG. ORIFICE SHALL BE AT 36" (MAXIMUM) ABOVE FINISHED FLOOR. BOTTOM OF APRON SHALL BE AT 27" ABOVE FINISHED FLOOR IN COMPLIANCE WITH LATEST ADA STANDARDS. ELECTRICAL REQUIREMENTS - 1/5 HP MOTOR, 120V-1 PHASE, CORD AND PLUG, PLAIN RECEPTACLE MOUNTED WITHIN EWC LOWER ENCLOSURE, GFCI BREAKER.	ELECTRIC WATER COOLER -ELKAY (EZS8), HALSEY-TAYLER (HTHB-HAC8)
FCO	FLOOR CLEANOUT - FLOOR CLEARNOUT WITH ROUND TOP. HEAVY DUTY ADJUSTABLE CLEANOUT. DURA COATED CAST IRON BODY, GAS AND WATERTIGHT BRASS THREAD PLUG WITH ROUND SCORIATED CAST IRON HEAVY DUTY SECURED TOP.	ZURN Z1400 - SEE PLANS FOR SIZES
FD-1	FLOOR DRAIN - CAST IRON FLOOR DRAIN WITH INTEGRAL REVERSING CLAMPING COLLAR & SEEPAGE OPENINGS. 7" MINIMUM DIAMETER SATIN NICKEL BRONZE GRATE WITH VANDAL RESISTANT SCREWS AND TRAP GUARD.	ZURN Z415B - SEE PLANS FOR SIZES
FS-1	FLOOR SINK - CAST IRON FLOOR SINK WITH ACID RESISTANT ENAMELED INTERIOR. 12"x12" A.R.E. SANITARY FLOOR SINK WITH 8" SUMP. CAST IRON BODY, STAINLESS STEEL DOME STRAINER AND SLOTTED 1/2 GRATE WITH TRAP SEAL PRIMER.	ZURN Z1910 - SEE PLANS FOR SIZES
IM-1	ICE MACHINE - SUSPENDED MODULAR ICE MACHINE WITH 2" DRAIN. CUTOFF VALVE AND WATTS "SD-3" BACK FLOW PREVENTER ON COLD SUPPLY. COORDINATE MOUNTING LOCATION WITH ICE MACHINE AND ARCHITECT.	GUY GRAY NO RMDW1AB
JS-1	JANITOR'S SINK - 24"X24"X12" PRECAST TERRAZZO NEOCORNER DROP FRONT FLOOR SERVICE SINK WITH STAINLESS STEEL CAPS, 3" CAST IRON BRASS DRAIN, STAINLESS STEEL STRAINER PLATE, AND STAINLESS STEEL WALL GUARDS. NUMBER OF WALL GUARDS AS REQUIRED PER LOCATION. WALL MOUNTED. TRIM - CHICAGO FAUCET NO. 897XK C.P. SERVICE SINK FITTING WITH VACUUM BREAKER, 3/4" HOSE THREAD ON SPOUT. ADJUSTABLE WALL BRACE, PAIL HOOK AND 10"CHROME PLATED FEMALE ADJUSTABLE ARMS WITH INTEGRAL STOPS AND CHROME FINISH. CAULK BETWEEN WALL AND FLANGE WITH G.E. SILICONE SEALANT. FURNISH AND INSTALL SEPARATE ACCESSIBLE EXTERNAL CHECK VALVE WITH CUT-OFF VALVE ON HOT & COLD WATER SUPPLIES. EXTERNAL CHECK VALVES SHALL BE WATTS 8900 SERIES "MAXI FLO"	SINK - FIAT NO. TSBC-6010 FLOOR SERVICE BASIN SINK TRIM - CHICAGO FAUCET NO. 897XK
RD-1	ROOF DRAIN - LARGE AREA ROOF DRAIN WITH 2" DAM, CAST IRON DRAIN WITH FLANGE, 2" HIGH DAM. FLASHING RING WITH GRAVEL STOP, IRON DOMED STRAINER, UNDERDECK CLAMP AND ADJUSTABLE EXTENSION.	WADE NODE 3000 - SEE PLANS FOR SIZES
RD-2	EMERGENCY ROOF DRAIN - LARGE AREA ROOF DRAIN WITH 2" DAM. CAST IRON DRAIN WITH FLANGE, 2" HIGH DAM. FLASHING RING WITH GRAVEL STOP, IRON DOMED STRAINER, UNDERDECK CLAMP AND ADJUSTABLE EXTENSION.	WADE 3000 - SEE PLANS FOR SIZES
RDO-1	EMERGENCY DOWNPOUT NOZZLE - DOWNSPOUT NOZZLE WITH REMOVABLE SCREEN. CAST IRON NOZZLE WITH SECURING FLANGE, NO HUB INLET. SATIN BRONZE FINISH AND STINLESS STEEL BIRDRODENT SCREEN.	WADE 3940-NH, SEE PLANS FOR SIZES
S-1	SINK W/ SENSOR - SINK INTEGRAL WITH COUNTERTOP SINK TRIM - CHICAGO FAUCET 116.223.AB.1 HYTRONIC GOOSENECK DECK MOUNTED SINGLE HOLE FAUCET BATTERY POWERED SENSOR OPERATED FAUCET. DUAL HOT AND COLD WATER SERICE, ADJUSTABLE TEMPERATURE CONTROL MIXER. AMERICAN STANDARD NO. 2411.015 PERFORATED GRID STRAINER DRAIN WITH 1-1/4" TAILPIECE. DEARBORN NO. 510 1-1/2" 17 GAUGE "P" TRAP WITH ADAPTER FOR 1-1/4" TAILPIECE, CLEANOUT AND ESCUTCHEONS. DEARBORN NO. 2712 KCW HOT AND COLD WATER COMPRESSION INLET SUPPLIES WITH STOPS.	SINK - INTEGRAL WITH COUNTERTOP SINK TRIM - CHICAGO FAUCET 116.223.AB.1
S-2	SINK - INTEGRAL WITH COUNTERTOP SINK TRIM - ELKAY NO. LK-8 C.P. BRASS GRID STRAINER AND 1-1/2" C.P. BRASS TAILPIECE. CHICAGO FAUCET NO. 895-317XKCPR FAUCET, 4" CENTERS, NO. GN2A 5-3/8" SPOUT, NO. 317 4" WRIST BALDE HANDLES AND "FC" FLOW CONTROL DEVICE. DEARBORN NO. 510-17 GAUGE 1-1/2" "P" TRAP WITH CLEANOUT AND ESCUTCHEON, DEARBORN NO. 2712 KCW HOT AND COLD WATER COMPRESSION INLET SUPPLIES WITH STOPS.	SINK - INTEGRAL WITH COUNTERTOP SINK TRIM - CHICAGO FAUCET NO. 895-317XKCPR
S-3	SINK - 19"x18" 18 GAUGE NO. 302 STAINLESS STEEL SINGLE COMPARTMENT SINK WITH COVED CORNERS. SELF-RIMMED. LK-6K-HY SATIN FINISH. UNDERSIDE FULLY SOUND DEADEND FAUCET AND EMERGENCY EYE WASH - TWO HANDLE MIXING FAUCET, BRASS CONSTRUCTION, CHROME-PLATED FINISH. GOOSENECK SPOUT WITH NOMINAL 1.5 GPM LAMINAR FLOW OUTLET, 4" WRISTBLADE HANDLES AT 8" CENTERS, 1/4-TURN OPERATION CERAMIC DISC CARTRIDGE. INDEPENDENTLY OPERATED EYEWASH CONSTRUCTED INTEGRAL WITH FAUCET. TWIN SPRAY HEADS WITH CAPS AND RETAINING CHAINS/STRAPS, BRASS SUPPLY ARMS, INTEGRAL FLOW CONTROL FITTING, BRASS PIPING AND FITTINGS, BRASS/BRONZE STAY OPEN VALVE, SINGLE ACTION ACTIVATION BY PULL LEVER, UNIVERSAL IDENTIFICATION SIGN, MINIMUM FLOW RATE OF 2.

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ELECTRICAL SYMBOL LIST

SYMBOL:	TAG:	DESCRIPTION:
GB	GB	GROUND BUS
E / E	ECONN	ELECTRICAL CONNECTION
J / J	JB	JUNCTION BOX
	FB-# or PT-#	FLOOR BOX or POKE THROUGH
C#	TECH-C#	TECHNOLOGY OUTLET (WALL) # - INDICATED NUMBER OF JACKS
W	TECH-W	TECHNOLOGY OUTLET WALL PHONE (WALL)
C#-TV	TECH-TV	TECHNOLOGY OUTLET FOR TV (WALL) # - INDICATES NUMBER OF JACKS
C#		TECHNOLOGY OUTLET (FLOOR) # - INDICATES NUMBER OF JACKS
AV		TECHNOLOGY OUTLET FOR AUDIO VISUAL SYSTEM (FLOOR)
	WM-#	MULTI OUTLET SYSTEM
PB	PB	MOMENTARY PUSHBUTTON OPERATOR
	PANEL '###'	PANELBOARD - RECESS MOUNT
	PANEL '###'	PANELBOARD - SURFACE MOUNT
	MX-#/MS-# /CB-#/CS-#	MANUAL SWITCH / STARTER / COMBINATION STARTER/ CIRCUIT BREAKER. REFER TO DISC/STA SCHEDULE
	IPP-#	ISOLATED POWER PANEL
MG	MG	MASTER GROUND STATION MODULE
PM	PM	OPERATING ROOM POWER MODULE
RIM	RIM	REMOTE LINE ISOLATION MONITOR
RAS	RAS	REMOTE ANNUNCIATOR STATION
	TR-#/DTR-#	TRANSFORMER
	CB-#	CIRCUIT BREAKER - SURFACE MOUNTED. REFER TO DISC/STA SCHEDULE
	CB-#	CIRCUIT BREAKER - FLUSH MOUNTED. REFER TO DISC/STA SCHEDULE
	DS-#/FDS-#/DSS-#	DISCONNECT. REFER TO DISC/STA SCHEDULE
	MD-SD-#	MOBILE DIAGNOSTICS SERVICE DISCONNECT. REFER TO DISC/STA SCHEDULE
		BUSSWAY RECEPTACLE UNIT. REFER TO DISC/STA SCHEDULE
SANN	GANN-#	GENERATOR ANNUNCIATOR PANEL
DC		DOOR CONTACT SWITCH
CR1		CREDENTIAL READER

ELECTRICAL EQUIPMENT TAGS

TAG:	DESCRIPTION:
ATS-#	AUTOMATIC TRANSFER SWITCH
CT-#	CABLE TRAY
DP-#	DISTRIBUTION PANEL
FAA-#	FIRE ALARM - ANNUNCIATOR
HT-#	HEAT TAPE
MTS-#	MANUAL TRANSFER SWITCH, REFER TO TRANSFER SWITCH SCHEDULE
NEP-#	FIRE ALARM - EXTENDER PANEL
SG-#	SWITCHGEAR
VFD-#	VARIABLE FREQUENCY DRIVE - REFER TO VFD SCHEDULE

ELECTRICAL SYMBOL LIST

SYMBOL:	TAG:	DESCRIPTION:
S	SW-1P	SWITCH - SINGLE POLE
S_T	SW-1P-ADJ	WATTSTOPPER DIGITAL TIME SWITCH: TS-400
S_2	SW-2P	SWITCH - TWO POLE
S_3	SW-3W	SWITCH - THREE WAY
S_4	SW-4W	SWITCH - FOUR WAY
S_O	SW-OC-P-Q	WATTSTOPPER DUAL TECHNOLOGY LINE VOLTAGE WALL OCCUPANCY SENSOR: DSW-301
D_6	SW-D-6	DIMMER - 600 WATT
D_D	SW-D-LED	DIMMER - LED
$D_{0\text{-}10V}$	SW-D-0-10V	WATTSTOPPER 0-10V WALL DIMMER: RADIANT 0-10V
$D3_6$	SW-D3-6	DIMMER - 600 WATT - 3 WAY
D_{D3}	SW-D3-LED	DIMMER - LED - 3 WAY
D_O	SW-OD	WATTSTOPPER DUAL TECHNOLOGY LINE VOLTAGE WALL OCCUPANCY SENSOR DSW-311
(LS)D	SW-LS-D	DAYLIGHT LEVEL SENSOR - 1 ZONE DIMMING
(PC)	SW-LS-PC	WATTSTOPPER DIGITAL LIGHTING MANAGEMENT DUAL TECHNOLOGY PHOTOCELL: LMLS-500
(OC)D	SW-OC-D	WATTSTOPPER DIGITAL LIGHTING MANAGEMENT DUAL TECHNOLOGY OCCUPANCY SENSOR: LMDC-100
(OC)D	SW-OC-D-W	OCCUPANCY SENSOR - DUAL TECHNOLOGY - WALL MOUNTED
(OC)D	SW-OC-D	WATTSTOPPER DUAL TECHNOLOGY CEILING OCCUPANCY SENSOR: LMDC-100
(R)D#		WATTSTOPPER DIGITAL LIGHTING MANAGEMENT ROOM CONTROLLER. # - REFERS TO NUMBER OF RELAYS D - REFERS TO 0-10V DIMMING CONTROLLER
(#B)ZZ	SW-DCS	WATTSTOPPER DIGITAL LIGHTING MANAGEMENT CONTROL STATION KEYPAD WITH PROGRAMMABLE FUNCTION BUTTONS . # INDICATES NUMBER OF SWITCHES. ZZ INDICATES TYPE: SX: BUTTON PAD - X NUMBER OF BUTTONS. BLANK: 1 BUTTON D1: ONE BUTTON DIMMING ROCKER SWITCH.
(R)BMS		WATTSTOPPER DIGITAL LIGHTING MANAGEMENT INPUT/OUTPUT INTERFACE FOR BMS CONTROL OF LIGHTING. PROVIDE ALL LOW VOLTAGE CABLING AS REQUIRED: LMIN-104
(R)DMX		2 INSIGHT DMX DISTRIBUTION KIT FOR CONTROL OF DMX LIGHTING. PROVIDE ALL DMX CABLING AS REQUIRED: RSN-OPTO-8
ALCR		AUTOMATIC LOAD CONTROL RELAY - WATT STOPPER 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

ELECTRICAL SYMBOL LIST

SYMBOL:	TAG:	DESCRIPTION:
	REC-DUP	DUPLEX RECEPTACLE, 125V
	REC-DUP-GFI	DUPLEX GFI RECEPTACLE, 125V
G	REC-DUP-GFI-R	GROUND FAULT DEVICE
W	REC-DUP-WP	DUPLEX GFI WEATHERPROOF RECEPTACLE 125V
	REC-ISO	ISOLATED GROUND RECEPTACLE, 125V
S	REC-ISO-SUR	ISOLATED GROUND RECEPTACLE WITH SURGE SUPPRESSION, 125V
S	REC-ISO-SUR-QUAD	ISOLATED GROUND QUAD RECEPTACLE WITH SURGE SUPPRESSION, 125V
U	REC-USB	DUPLEX RECEPTACLE, USB CHARGING
	REC-SIM-520R	SIMPLEX RECEPTACLE, 125V
	REC-SIM-530R	RECEPTACLE, 125V
	REC-SIM-550R	RECEPTACLE 125V, 50A, 125V
	REC-SIM-620R	RECEPTACLE, 6-20R, 250V
	REC-SIM-630R	RECEPTACLE, 6-30R, 250V
	REC-SIM-650R	RECEPTACLE, 6-50R, 250V
	REC-SIM-720R	RECEPTACLE, 7-20R, 277V
	REC-SIM-730R	RECEPTACLE, 7-30R, 277V
	REC-SIM-750R	RECEPTACLE, 7-50R, 277V
	REC-SIM-1420R	RECEPTACLE, 14-20R, 125/250V
	REC-SIM-1430R	RECEPTACLE, 14-30R, 125/250V
	REC-SIM-1450R	RECEPTACLE, 14-50R, 125/250V
	REC-SIM-1460R	RECEPTACLE, 14-60R, 125/250V
	REC-SIM-1520R	RECEPTACLE, 15-20R, 250V, 3PH
	REC-SIM-1530R	RECEPTACLE, 15-30R, 250V, 3PH
	REC-SIM-1550R	RECEPTACLE, 15-50R, 250V, 3PH
	REC-SIM-1560R	RECEPTACLE, 15-60R, 250V, 3PH
	REC-SIM-L520R	RECEPTACLE, LOCKING TYPE, L5-20R, 125V
	REC-SIM-L530R	RECEPTACLE, LOCKING TYPE, L5-30R, 125V
	REC-SIM-L620R	RECEPTACLE, LOCKING L6-20R, 250V
	REC-SIM-L630R	RECEPTACLE, LOCKING L6-30R, 250V
	REC-SIM-L720R	RECEPTACLE, LOCKING L7-20R, 277V
	REC-SIM-L730R	RECEPTACLE, LOCKING L7-30R, 277V
	REC-SIM-L1420R	RECEPTACLE, LOCKING L14-20R, 125/250V
	REC-SIM-L1430R	RECEPTACLE, LOCKING L14-30R, 125/250V
	REC-SIM-L1520R	RECEPTACLE, LOCKING L15-20R, 250V, 3PH
	REC-SIM-L1530R	RECEPTACLE, LOCKING L15-30R, 250V, 3PH
	REC-SIM-L1620R	RECEPTACLE, L16-20R, 480V, 3PH
	REC-SIM-L1630R	RECEPTACLE, L16-30R, 480V, 3PH
	REC-SIM-L2120R	RECEPTACLE, LOCKING L21-20R, 120/208V, 3PH
	REC-SIM-L2130R	RECEPTACLE, LOCKING L21-30R, 120/208V, 3PH
	REC-TAMP	DUPLEX RECEPTACLE, TAMPER RESISTANT, 125V
	REC-TAMP-GFI	GFI DUPLEX RECEPTACLE, TAMPER RESISTANT, 125V
	REC-TAMP-QUAD	QUAD RECEPTACLE, TAMPER RESISTANT, 125V
	REC-QUAD	QUAD RECEPTACLE, 125V
	REC-QUAD-GFI	QUAD GFI RECEPTACLE, 125V
U	REC-QUAD-USB	QUAD RECEPTACLE, USB 125V
W	REC-QUAD-WP	QUAD GFI WEATHERPROOF RECEPTACLE, 125V
	PP#	POWER POLE

LUMINAIRE SYMBOL KEY

SYMBOL:	DESCRIPTION:
	NORMAL BRANCH LUMINAIRE
	CRITICAL BRANCH LUMINAIRE
	EMERGENCY LIFE SAFETY BRANCH LUMINAIRE

ELECTRICAL INSTALLATION NOTES:

1. THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE ADA STANDARDS FOR ACCESSIBLE DESIGN.
2. CIRCUIT NUMBERS ARE SHOWN FOR CIRCUIT IDENTIFICATION. CIRCUITING SHALL AGREE WITH NUMBERING ON THE PANEL PROVIDED. COMMON NEUTRALS MAY NOT BE USED FOR BRANCH CIRCUITS. BALANCE THE LOAD ON PANEL AS EVENLY AS POSSIBLE BETWEEN EACH PHASE.
3. LIFE SAFETY, CRITICAL, AND EQUIPMENT BRANCH WIRING FOR FEEDERS AND BRANCH CIRCUITS SHALL BE ROUTED IN SEPARATE RACEWAY, JUNCTION BOXES, PULL BOXES, AND CABINETS. WIRING FOR EACH BRANCH SHALL BE INDEPENDENT FROM OTHER BRANCHES, INCLUDING THE NORMAL BRANCH.
4. FLUSH MOUNT ALL LIGHTING CONTROL DEVICES AT +42" FROM FLOOR (CENTERLINE DIMENSION), EXCEPT WHERE OTHERWISE NOTED. DEVICES MAY BE SURFACE MOUNTED WHEN CONDUIT IS SPECIFIED EXPOSED.
5. FLUSH MOUNT ALL DUPLEX RECEPTACLES AND TECHNOLOGY OUTLETS AT +18" FROM FLOOR (CENTERLINE DIMENSION), EXCEPT WHERE OTHERWISE NOTED. RECEPTACLES AND OUTLETS MAY BE SURFACE MOUNTED WHEN CONDUIT IS SPECIFIED EXPOSED.
6. ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS SHALL BE TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS SPECIFIC TO FIRESTOPPING.
7. CONNECTION FOR ELECTRIC WATER COOLERS (EWC) SHALL BE A JUNCTION BOX CONCEALED BEHIND WATER COOLER ACCESS PLATE OR BE A GFI RECEPTACLE LOCATED DIRECTLY BELOW AND CENTERED ON EWC. CONTRACTOR SHALL VERIFY TYPE OF EWC TO BE INSTALLED.
8. MOUNT ALL FIRE ALARM PULL STATIONS AT +42" FROM FLOOR (CENTERLINE DIMENSION) EXCEPT WHERE OTHERWISE NOTED.
9. INSTALL ALL WALL MOUNTED FIRE ALARM NOTIFICATION DEVICES AT 90° ABOVE FINISHED FLOOR OR 6" BELOW THE CEILING, WHICHEVER IS LOWER, EXCEPT WHERE OTHERWISE NOTED. HEIGHT SHALL BE MEASURED TO THE TOP OF THE DEVICE.
10. CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL CEILING MOUNTED DEVICES AND EQUIPMENT WITH LUMINAIRES, SPRINKLER, AND CEILING DIFFUSERS. CENTER ALL DEVICES IN CEILING TILE PATTERN. SMOKE DETECTORS AND OCCUPANCY/VACANCY SENSORS SHALL BE LOCATED NO CLOSER THAN 3 FEET TO ANY SUPPLY DIFFUSER OR RETURN GRILLE.
11. CONTRACTOR SHALL VERIFY ALL FURNITURE, MODULAR FURNITURE, AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL PLANS, ELEVATIONS, AND REVIEWED SHOP DRAWINGS. PRIOR TO MAKING THE ACTUAL ELECTRICAL INSTALLATION, THIS CONTRACTOR SHALL ADJUST RECEPTACLES, OUTLETS, OR CONNECTION LOCATIONS TO ACCOMMODATE FURNITURE AND/OR EQUIPMENT.
12. ELECTRICAL AND TECHNOLOGY EQUIPMENT SHALL BE MOUNTED TO AVOID IMPEDANCE OF, OPERATION OF, AND/OR ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF ELECTRICAL AND TELECOMMUNICATIONS EQUIPMENT, ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR, SHALL BE APPROVED IN ADVANCE BY THE OTHER CONTRACTOR.
13. ALL WELDING SHALL BE ACCORDING TO AMERICAN WELDING SOCIETY STANDARDS. CONTRACTOR SHALL FURNISH TO THE ARCHITECT/ENGINEER CERTIFICATES QUALIFYING EACH WELDER, PRIOR TO START OF WORK. THE ARCHITECT/ENGINEER RESERVES THE RIGHT TO REQUIRE QUALIFYING DEMONSTRATION, AT THE CONTRACTOR'S EXPENSE, OF ANY WELDERS ASSIGNED TO THE JOB.
14. CONTRACTOR SHALL REMOVE AND REINSTALL ALL CEILING TILES AS REQUIRED FOR THE EXECUTION OF ELECTRICAL WORK. CONTRACTOR SHALL REPLACE CEILING TILES WITH IDENTICAL MATERIAL WHERE DAMAGED BY THIS CONTRACTOR.
15. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIO/VISUAL, AND OTHER ELECTRICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.
16. ELECTRICAL INDENTIFICATION. REFER TO SPECIFICATIONS FOR COLOR/LABEL REQUIREMENTS FOR CONDUIT, BOX, CABLE/WIRE, AND EQUIPMENT.

ELECTRICAL LIGHTING DEMOLITION NOTES:

1. THE ELECTRICAL LIGHTING DRAWINGS INDICATE EXISTING ELECTRICAL ITEMS TO BE REMOVED. THE DRAWINGS ARE INTENDED TO INDICATE THE SCOPE OF WORK REQUIRED AND DO NOT INDICATE EVERY BOX, CONTRACTOR, OR WIRE THAT MUST BE REMOVED. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID AND VERIFY EXISTING CONDITIONS.
2. EQUIPMENT REMOVAL IN CERTAIN LOCATIONS MAY REQUIRE THE INSTALLATION OF A JUNCTION BOX TO RECONNECT CIRCUITS THAT REMAIN IN OPERATION. EXTEND CONDUIT AND WIRING AS REQUIRED TO MAINTAIN POWER TO REMAINING EQUIPMENT.
3. BALLASTS MANUFACTURED PRIOR TO 1980 CONTAIN PCBs AND SHALL BE DISPOSED OF BY A FEDERAL OR STATE E.P.A. APPROVED METHOD AND IN ACCORDANCE WITH SPECIFICATIONS.
4. HID AND FLUORESCENT LAMPS CONTAIN MERCURY AND SHALL BE DISPOSED OF BY A FEDERAL OR STATE E.P.A. APPROVED METHOD.
5. REUSE EXISTING CONDUIT, CIRCUITS AND LIGHTING CONTROL WHERE POSSIBLE. PROVIDE NEW CONDUIT AND WIRE WHERE SHOWN, MISSING OR REQUIRED TO INSTALL THE NEW LIGHT FIXTURES.
6. VERIFY MANUFACTURERS INSTALLATION GUIDELINES WITH EXISTING FIELD CONDITIONS PRIOR TO BIDDING AND ORDERING NEW LIGHT FIXTURES AND INSTALLATION MATERIAL.
7. MATCH EXISTING PAINTED SURFACES. WHERE REPLACED LUMINAIRE DOES NOT FULLY COVER EXISTING JUNCTION BOX OR PAINTED SURFACE. PROVIDE CUSTOM BACK PLATE WHERE NECESSARY TO COVER ANY FIELD CONDITIONS THAT WOULD ALLOW INTRUSION OF WATER AND CAULK WHERE NECESSARY.
8. COORDINATE EXISTING LIGHTING CONTROL AS NECESSARY TO MEET EXISTING CONTROL SEQUENCES. VERIFY WITH OWNER ANY CHANGES.

ELECTRICAL RENOVATION NOTES:

THESE NOTES APPLY TO ALL ELECTRICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, LIGHTING, POWER, AND SYSTEMS.

1. EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING.
2. NOT ALL EXISTING EQUIPMENT, LUMINAIRES, AND CONDUIT ARE SHOWN. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS WITH NEW WORK BEFORE STARTING WORK.
3. FIELD VERIFY THE AVAILABLE CLEARANCES FOR CONDUITS BEFORE FABRICATION. RISES AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS.
4. EACH CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO THE AREA OF THEIR WORK AND SHALL NOTIFY THE GENERAL CONTRACTOR PRIOR TO BIDDING IF OTHER UTILITIES ARE REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCESS TO THEIR AREA OF WORK.
5. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING, REMOVAL AND PATCHING OF WALLS AND FLOORS ASSOCIATED WITH WORK BY ALL CONTRACTORS. CONTRACTORS SHALL NOTIFY THE GC OF AFFECTED AREAS PRIOR TO BIDDING.
6. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILINGS, CEILING TILES, AND CEILING GRIDS ASSOCIATED WITH AREAS OF WORK BY ALL CONTRACTORS. NOTIFY THE GENERAL CONTRACTOR OF AFFECTED AREAS PRIOR TO BIDDING.
7. WHERE EXISTING ELECTRICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH NEW EQUIPMENT, PIPING, OR DUCTWORK TO BE INSTALLED, EACH CONTRACTOR SHALL EITHER ARRANGE NEW EQUIPMENT, CONDUIT, OR DUCTWORK IN SUCH A FASHION THAT IT DOES NOT CONFLICT WITH EXISTING SYSTEMS, OR REWORK EXISTING ELECTRICAL SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT, PIPING, OR DUCTWORK.
8. COORDINATE ALL LUMINAIRE LOCATIONS WITH STRUCTURAL TRUSS AND BEAMS PRIOR TO ROUGH-IN.
9. FULLY SHADED FIXTURES INDICATE EMERGENCY LUMINAIRES.
10. WHERE LUMINAIRE QUANTITIES OR LAYOUT DIFFER BETWEEN ELECTRICAL LIGHTING PLANS AND ARCHITECTURAL REFLECTED CEILING PLANS, HIGHER QUANTITY SHALL TAKE PRECEDENCE. CONTRACTOR SHALL CONFIRM QUANTITY AND LAYOUT WITH DESIGN TEAM.

TYPICAL REMODEL:

1. ALL LUMINAIRES SHOWN TO BE DEMOLISHED SHALL BE DISPOSED OF IF NOT REQUIRED BY OWNER FOR ATTIC STOCK. CONFIRM WITH OWNER PRIOR TO DISPOSAL IF THE LAMPS, LENS OR SUBSET OF LUMINAIRES SHOULD BE TURNED OVER FOR ATTIC STOCK.
2. REMOVE EXISTING LUMINAIRES AND WALL SWITCHES WHERE SHOWN. LOCATE AND IDENTIFY ELECTRICAL CIRCUIT SERVING REMOVED LUMINAIRES FOR REUSE WITH NEW DEVICES.
3. COORDINATE HOURS OF ACCESS WITH OWNER.
4. REMOVE EXISTING LUMINAIRE AND PREPARE FOR INSTALLATION OF NEW LUMINAIRE IN SAME LOCATION OR NEW LOCATION. REFER TO E201 FOR NEW WORK.
5. MATCH EXISTING FACEPLATE FINISH AND TYPE FOR ALL LOCATIONS WHERE NEW WALL CONTROL DEVICE IS BEING INSTALLED.
6. WHERE WALL SWITCH DEVICE IS REMOVED AND NOT REPLACED. PROVIDE WITH BLANK SWITCH PLATE.
7. EXPOSED 3/4" CONDUIT TO NEW OR EXISTING FIXTURES OR DEVICES IS ACCEPTABLE AS LONG AS IT IS INSTALLED IN A NEAT AND ORDERLY METHOD AND MEETS ADOPTED CODES. COORDINATE NEW RUNS WITH OWNER PRIOR TO INSTALLATIONS.
8. REUSE EXISTING CONDUIT, WIRE, CONTROL AND JUNCTION BOXES. PROVIDE NEW IF REQUIRED TO INSTALL THE NEW LUMINAIRE.
9. PROVIDE (1) UNSWITCHED LEG FROM PANEL SERVING THE EMERGENCY FIXTURES TO THE SENSOR LEG SERVING THE NEW BATTERY BACK UP IN NEW LUMINAIRES.
10. CONNECT NEW LUMINAIRES TO CIRCUIT THAT SERVED PREVIOUSLY REMOVED LUMINAIRE USING THE SAME SIZE WIRE AND CONDUIT. EXTEND CONDUIT AND CONDUCTORS AS REQUIRED TO MAKE CONNECTION. CONDUIT IN GOOD CONDITION SHALL BE REUSED IN PLACE.
11. NEW OCCUPANCY SENSORS TO BE INSTALLED IN A MANUAL ON/AUTO OFF' CONFIGURATION.
12. REPLACE CEILING TILES WITH LIKE IN AREAS WITH A REDUCTION IN LUMINAIRE. REUSE EXISTING CEILING TILES WHERE APPLICABLE. PROVIDE NEW TO MATCH EXISTING IF REQUIRED. ADJUST AND MOVE AIR RETURN GRILLS AS REQUIRED TO COORDINATE WITH REVISED LUMINAIRE LAYOUT IN AREAS WITH A LAYIN CEILING.
13. COORDINATE LOCATIONS OF NEW LUMINAIRES WITH EXISTING DUCT, PIPING, STRUCTURAL AND CEILING MOUNTED DEVICES.

TYPICAL NEW CONSTRUCTION:

1. HALF SHADED FIXTURES INDICATE LIFE SAFETY LUMINAIRES FOR EMEGERGNECY LIGHTING CONNECTED TO PANEL AS NOTED.
2. FULLY SHADED FIXTURES INDICATE EMERGENCY LUMINAIRES THAT ARE TO BE CONNECTED VIA AN EMERGENCY TRANSFER DEVICE (ETD) TO TURN LIGHTS ON UPON LOSS OF POWER. THE THIRD LEG OF THE ETD IS CONNECTED TO THE EMERGENCY LIGHTING PANEL.
3. SITE HAS UNDERGROUND UTILITIES, STEAM, WATER, ELECTRIC AND VAULTS. CONTRACTOR SHALL FIELD VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING ALL LIGHT POLES. HAND EXCAVATE IF NECESSARY, TO ASCERTAIN EXACT LOCATION OF UNDERGROUND UTILITIES PRIOR TO INSTALLING 'ANY' POLE.
4. WHERE LUMINAIRE QUANTITIES OR LAYOUT DIFFER BETWEEN ELECTRICAL LIGHTING PLANS AND ARCHITECTURAL REFLECTED CEILING PLANS, HIGHER QUANTITY SHALL TAKE PRECEDENCE. CONTRACTOR SHALL CONFIRM QUANTITY AND LAYOUT WITH DESIGN TEAM.
5. #B PUSH BUTTON REFERS TO SCENE QUANTITY. COORDINATE NUMBER OF BUTTONS FOR CONTROL STATIONS WITH LIGHTING CONTROL MANUFACTURER. CONTROL SHALL BE CAPABLE OF DIMMING UP/DOWN AND SWITCHING ON/OFF FOR MULTIPLE ZONES AS INDICATED AND PER LIGHTING SEQUENCE OF OPERATIONS.
6. Z## INDICATES ZONING AND REFLECTS A LIGHTING CONTROL GROUP. PROVIDE RELAYS AS REQUIRED TO ALLOW LUMINAIRES WITHIN THE DEFINED ZONE TO FUNCTION TOGETHER DURING NORMAL POWER.

ELECTRICAL GENERAL NOTES:

1. **##/###** INDICATES ELECTRICAL EQUIPMENT DEFINED IN ELECTRICAL SCHEDULES OR SPECIFICATION. REFER TO DRAWINGS CONTAINING ELECTRICAL SCHEDULES. PERMANENT NAMEPLATE SHALL MATCH FINAL EQUIPMENT NOMENCLATURE, NOT ELECTRICAL EQUIPMENT TAG NAME, REFER TO SPECIFICATIONS.
2. **{L###}** INDICATES THE LIGHTING SEQUENCE OF OPERATION FOR THE SPACE. REFER TO THE LIGHTING SEQUENCE OF OPERATION MATRIX ON SHEET E600.
3. ALL LIFE SAFETY LUMINAIRES ARE SWITCHED/CONTROLLED DURING NORMAL OPERATION AND OPERATES FROM EMERGENCY CIRCUIT UPON LOSS OF POWER.
4. SHADED LUMINAIRE OR DEVICE INDICATES LUMINAIRE OR DEVICE IS CONNECTED TO AN EMERGENCY CIRCUIT.
5. REFER TO SHEET E600 FOR LUMINAIRE SCHEDULE.
6. (Z### INDICATES THE LIGHTING ZONES FOR THE SPACE. PROVIDE SEPARATE CONTROL OF EACH CONTROLLED ZONE. LUMINAIRES ASSOCIATED WITH THE SAME ZONE SHALL OPERATE TOGETHER WITHIN THE SAME PROGRAMMED SCENE. REFER TO SHEET E600.
7. (B# PUSH BUTTON REFERS TO SCENE QUANTITY. CONTROL STATION SHALL BE CAPABLE OF SWITCHING ON/OFF AND AS INDICATED ON SHEETS AND THE LIGHTING SEQUENCE OF OPERATIONS (L##). COORDINATE QUANTITIES OF BUTTONS FOR CONTROL STATIONS WITH LIGHTING CONTROL MANUFACTURER. REFER TO SHEET E600.
8. VACANCY/OCCUPANCY SENSOR LAYOUT: SENSORS ARE SHOWN ON THE PLANS FOR DESIGN INTENT AND MAY NOT REPRESENT EVERY DEVICE. PROVIDE MANUFACTURER SPECIFIC FLOOR PLAN LAYOUTS SHOWING LOCATION, ORIENTATION, AND COVERAGE AREA OF EACH CONTROL DEVICE, SENSOR, AND CONTROLLER/INTERFACE. AREAS REQUIRING MULTIPLE SENSOR DEVICES FOR APPROPRIATE COVERAGE, SUBMIT SPECIFIC MANUFACTURER-APPROVED SENSOR LAYOUT AS AN OVERLAY DIRECTLY ON THE PROJECT DRAWINGS, EITHER IN PRINT OR APPROVED ELECTRONIC FORM.
9. CONTRACTOR SHALL REFER TO SAINT LUKE'S STANDARD SPECIFICATIONS FOR ALL SPECIFICATION REFRENCES.

LUMINAIRE KEY:

LUMINAIRE — F1 = FIXTURE TAG; 1 = CIRCUIT NUMBER; a = SWITCH DESIGNATION; NL = SUBSCRIPT (IF APPLICABLE); Z = ZONE DESIGNATION

*IF LABEL IS ORIENTED HORIZONTALLY A SLASH WILL SEPARATE THIS INFORMATION. EX: F1 / 1 / a / NL

DEVICE KEY:

DEVICE — A = MOUNTING (IF APPLICABLE); 1 = CIRCUIT NUMBER

*IF LABEL IS ORIENTED HORIZONTALLY A SLASH WILL SEPARATE THIS INFORMATION. EX: A / 1

ELECTRICAL MOUNTING SUBSCRIPT KEY:

A	MOUNT AT +6" TO CENTERLINE ABOVE COUNTER OR BACKSPLASH
C	MOUNT AT CEILING
H	MOUNT ORIENTED HORIZONTALLY
L	MOUNT IN CASEWORK
M	MOUNT IN MODULAR FURNITURE
R	MOUNT IN SURFACE RACEWAY
EWC	ELECTRIC WATER COOLER

ELECTRICAL ABBREVIATION KEY

ABBR:	DESCRIPTION:
AFF	ABOVE FINISHED FLOOR
C	CONDUIT
GFI	GROUND FAULT INTERRUPTER
N.C.	NORMALLY CLOSED
NIC	NOT IN CONTRACT
N.O.	NORMALLY OPEN
SV	SOLENOID VALVE
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED

IMEG 1600 BALTIMORE SUITE 300 KANSAS CITY, MO 64108 P: 816.842.8437 www.imegcorp.com

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0 1 2 3 — REF. SCALE IN INCHES — PROJECT #21006783.00

RELEASED FOR CONSTRUCTION
As noted on this sheet
Development Services Department
Summit, Missouri
2/16/2024

BRUCE ELDON HALL NUMBER E-22817 PROFESSIONAL ENGINEER
1/16/2023

Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	ZMB
Checked By	PLR

Revision

Number	Date	Description
2	2/10/23	Addendum 2

E000

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ELECTRICAL COVERSHEET

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021\MEP21_21006783.00_SLH-East ASC Addition_C.rvt

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SYSTEM INPUTS \ SEQUENCE OF OPERATION	PANEL/ANNUNCIATOR ALARM INDICATION	PANEL/ANNUNCIATOR SUPERVISORY INDICATION	PANEL/ANNUNCIATOR TROUBLE INDICATION	AUDIBLE ALARMS SEQUENCE	VISUAL ALARMS SEQUENCE	CM SMOKE DAMPER CONTROL SEQUENCE	CM AHU & MECHANICAL FAN SHUTDOWN SEQUENCE	CM ELEVATOR RECALL SEQUENCE	CM ELEVATOR SHUT DOWN SEQUENCE	CM FIREFIGHTER'S CAB VISUAL ALARM SEQUENCE	CM ELEVATOR HOISTWAY DAMPER SEQUENCE	CM DOOR HOLDER SEQUENCE	CM POWER-OPERATED FIRE DOORS	CM COILED FIRE DOOR RELEASE SEQUENCE	NURSE STATION ANNUNCIATION SEQUENCE	CM SOUND MASKING/ PAGING SYSTEM SHUTDOWN SEQUENCE	CM ACCESS CONTROL OVERRIDE SEQUENCE
MANUAL PULL STATION (FT) (F)	X			X	X	?	?					?	?			X	?
SMOKE DETECTOR (S)#/_ (S)#/_	X			X	X	?	?					?	?			X	X
SMOKE DETECTOR FOR HVAC CONTROL (S)#/_ (S)#/_	?	X	?	?	?	X	X					?	?			?	?
SMOKE DETECTOR FOR SMOKE DAMPER CONTROL (FSD)	?	X	?	?	?	X	?					?	?			?	?
SMOKE DETECTORS IN ELEVATOR LOBBIES (S)E (S)E	X			X	X	?	?	X			X	?	?			X	?
SMOKE DETECTORS IN ELEVATOR MACHINE ROOM & HOISTWAY (S)E (S)E	X			X	X	?	?	X		X	X	?	?			X	?
HEAT DETECTOR NEAR ELEVATOR SPRINKLERS (H)E (H)E	X			X	X	?	?		X			?	?			X	?
ELEVATOR SHUNT TRIP CIRCUIT POWER FAILURE (MM) (1)		X															
ELEVATOR HOISTWAY DAMPER SWITCH (MM) (HD) (HDS)		X									X						
ELEVATOR HOISTWAY DAMPER POWER FAILURE (MM)		X									X						
SMOKE DETECTOR AT DOOR (CM)DH (DH)	X			X	X	?	?					X	X			X	?
SMOKE DETECTOR AT COILING FIRE DOOR (CM)DH	X			X	X	?	?					?	?	X		X	?
SMOKE DETECTOR IN ATRIUM (S)A (S)A	X			X	X	?	?					?	?			X	?
SMOKE DETECTOR IN STAIRWELL OR STAIR VESTIBULE (S)SW (S)SW	X			X	X	?	?					?	?			X	?
STAIRWELL PRESSURIZATION CIRCUIT POWER FAILURE (MM)		X															
STAIRWELL PRESSURIZATION CONTROLLER TROUBLE (MM)			X														
SMOKE DETECTOR IN MEDICAL PROCEDURE ROOM (S)M P (S)M P		X															
SMOKE DETECTOR IN PATIENT SLEEPING ROOM (S)P S (S)P S	X			X	X										X	X	?

1 FIRE ALARM OPERATION MATRIX

NO SCALE

NOTES:

1. ALL SYSTEM EVENTS SHALL BE LOGGED, PRINTED, AND DISPLAYED ON THE ANNUNCIATOR INTERFACE, IF APPLICABLE. SEE SPECIFICATIONS FOR MORE INFORMATION AND DESCRIPTIONS OF SEQUENCES OF OPERATION.
2. PARTIAL EVACUATION OR RELOCATION OF OCCUPANTS IS THE STANDARD OPERATING PROCEDURE FOR THIS FACILITY IN THE EVENT OF AN ALARM. THEREFORE, ALL NOTIFICATION APPLIANCE CIRCUITS MUST BE INSTALLED AND PROTECTED IN ACCORDANCE WITH THE CIRCUIT SURVIVABILITY REQUIREMENTS DESCRIBED IN NFPA 72. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

KEYNOTES:

1. UTILIZE A GENERAL PURPOSE RELAY TO MONITOR POWER LOSS. CONNECT THE CONTACTS OF THE RELAY TO A FIRE ALARM MONITOR MODULE.
2. UTILIZE (3) GENERAL PURPOSE RELAYS AS SHOWN ON DRAWINGS WITH A COIL VOLTAGE THAT MATCHES THE MOTOR VOLTAGE TO MONITOR POWER LOSS. CONNECT EACH RELAY COIL TO ONE PHASE OF THE MOTOR FEEDER DOWNSTREAM OF THE DISCONNECTING MEANS, BUT AHEAD OF THE CONTROL CONTACTOR. CONNECT THE CONTACTS OF THE RELAYS IN SERIES TO A FIRE ALARM MONITOR MODULE.

ELECTRICAL SYMBOL LIST

SYMBOL:	TAG:	DESCRIPTION:
COMMON AND SEQUENCE OF OPERATION SUBSCRIPTS		SUBSCRIPTS: TYPE / PROGRAMMING A = ATRIUM CR = COMPUTER ROOM E = ELEVATOR RECALL D = HVAC CONTROL DH = DOOR HOLD RELEASE FD = FIRE DOOR RELEASE MP = MEDICAL PROCEDURE S = SLEEPING / PATIENT ROOM SW = STAIRWELL # = 15, 30, 75, 110, 177 CANDELA RATING CD = CANDELA RATING SELECTED BY NICET DESIGNER
(S)# (S)#	FA-120	FIRE ALARM SMOKE DETECTOR, CEILING OR WALL MOUNT BLANK - PHOTOELECTRIC CO = COMBINATION SMOKE / CARBON MONOXIDE COH = COMBINATION SMOKE / CARBON MONOXIDE / HEAT COS = COMBINATION SMOKE / CARBON MONOXIDE / STROBE H = COMBINATION SMOKE / HEAT DETECTOR ION = IONIZATION TYPE
(H)# (H)#	FA-140	FIRE ALARM HEAT DETECTOR BLANK = COMBINATION RATE OF RISE / FIXED TEMP AT = ATTIC (LOCATED IN) F = FIXED TEMP RC = RATE COMPENSATED X - EXPLOSION PROOF
(S)	FA-122	FIRE ALARM DUCT SMOKE DETECTOR # = EQUIP OR SYSTEM
(F)	FA-130	FIRE ALARM MANUAL PULL STATION
(FT)	FA-131	FIRE ALARM MANUAL PULL STATION W/ COVER
	FA-200	FIRE ALARM VISUAL ALARM DEVICE, CEILING OR WALL MOUNT # = CANDELA RATING. CD = CANDELA RATING SELECTED BY NICET DESIGNER
(F)# (F)#	FA-211	COMBINATION AUDIO HORN/CHIME AND VISUAL ALARM DEVICE, CEILING OR WALL MOUNTED # = CANDELA RATING CD = CANDELA RATING SELECTED BY NICET DESIGNER
(S)# (S)#	FA-221	COMBINATION AUDIO (VOICE) AND VISUAL ALARM DEVICE, CEILING OR WALL MOUNTED # = CANDELA RATING CD = CANDELA RATING SELECTED BY NICET DESIGNER
#( )#	FA-232	EMERGENCY VISUAL ALARM DEVICE, CEILING OR WALL MOUNTED # = CANDELA RATING CD = CANDELA RATING SELECTED BY NICET DESIGNER
(MM)	FA-160	FIRE ALARM ADDRESSABLE MONITOR MODULE BLANK = REFER TO PLANS KB = KNOX BOX MONITOR
(CM)	FA-161	FIRE ALARM ADDRESSABLE CONTROL MODULE BLANK = REFER TO PLANS LC = LIGHTING CONTROL OVERRIDE DH = DOOR HOLD OPEN PD = HOLD OPEN OVERRIDE
(DH)	FA-270	FIRE ALARM DOOR HOLD DEVICE (BY E.C.)
(HD) (HDS)	FA-253	ELEVATOR HOIST WAY DAMPER AND CONTROL SWITCH

TECHNOLOGY SYMBOL LIST

SYMBOL:	EQUIPMENT LIST ABBREV.:	DESCRIPTION:	NOTE:
(S)	N/A	FACILITY PAGING SPEAKER (CEILING)	.
NCC	NC-NCC-W	NURSE CALL ASSIST CALL CORD (WALL)	.
(D)	N/A	NURSE CALL DOME LIGHT (CEILING)	.
DTY	NC-DTY-W	NURSE CALL DUTY STATION (WALL)	.
MAS	NC-MAS-W	NURSE CALL MASTER STATION (WALL)	.
NT	NC-NT-W	NURSE CALL PULL CORD STATION - TOILET	.
N	N/A	NURSE CALL SINGLE PATIENT BED STATION (WALL)	.
STF	NC-STF-W	NURSE CALL STAFF STATION (WALL)	.
CM-2	VS-CM-2	VIDEO SURVEILLANCE CAMERA 180° FOV (CEILING/HORIZONTAL SURFACE)	.
CM-4	VS-CM-4	VIDEO SURVEILLANCE CAMERA 270° FOV (CEILING/HORIZONTAL SURFACE)	.
CM-5	VS-CM-5	VIDEO SURVEILLANCE CAMERA 360° FOV (CEILING/HORIZONTAL SURFACE)	.
CM-3	VS-CM-3	VIDEO SURVEILLANCE CAMERA DUAL LENS FOV (CEILING/HORIZONTAL SURFACE)	.
CM-1	VS-CM-1	VIDEO SURVEILLANCE CAMERA SINGLE LENS FOV (CEILING/HORIZONTAL SURFACE)	.
	N/A	INFORMATION OUTLET - 1 VOICE 1 DATA (WALL)	.
RI-AV1	SC-RI-W	TELEVISION ROUGH-IN OUTLET (WALL)	.
C#	N/A	INFORMATION OUTLET (WALL)	.
PM	N/A	PATIENT MONITORING (ORANGE JACK) WALL	.
CR1	AC-CR1-W	SECURITY CREDENTIAL READER (WALL) TYPE 1	.
DR	AC-DR-S	SECURITY DURESS/PANIC BUTTON (SURFACE)	.
IS	N/A	INTERCOM STATION (WALL)	.
WIDTH X HEIGHT		CABLE TRAY, CHANNEL TRAY, BASKET TRAY	

GENERAL NOTES:

1. ALL SYMBOLS AND ABBREVIATIONS LISTED MAY NOT BE APPLICABLE TO THIS PROJECT. REFER TO THE TECHNOLOGY EQUIPMENT SCHEDULE FOR MORE COMPLETE DESCRIPTION AND ITEMS.
2. ALL SYMBOLS AND ABBREVIATIONS REFER TO TECHNOLOGY SHEETS ONLY AS DEFINED ON THE SHEET INDEX. REFER TO THE GENERAL TECHNOLOGY NOTES FOR ADDITIONAL INFORMATION.
3. ALL SYMBOLS LISTED ABOVE ARE FOR REFERENCE ONLY. REFER TO PLANS AND LINE TYPE KEY FOR NEW, EXISTING TO REMAIN AND TO BE REMOVED ITEMS FOR ADDITIONAL INFORMATION.

TECHNOLOGY SYMBOL NOTES:

1. C# INDICATES QUANTITY OF JACKS AND CABLES TO REMOVE IN DEMOLITION.

TECHNOLOGY ABBREVIATION KEY

ABBR:	DESCRIPTION:
AFF	ABOVE FINISHED FLOOR
BFC	BELOW FINISHED CEILING
C	CONDUIT
J-BOX	JUNCTION BOX
SIM	SIMILAR
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
+#	MOUNTING HEIGHT ABOVE FINISHED FLOOR
EF-#	ENTRANCE FACILITY
MC-#	MAIN CROSS-CONNECT
TR-#	TELECOMMUNICATIONS ROOM

TELECOM ROOM REFERENCES

TELECOM ROOM	DETAIL / SHEET REFERENCE	FLOOR PLAN REFERENCE	ARCH ROOM NUMBER
TR-1		E221B	1E-217
TR-2		E222A	2E-110
TR-3		E223A	3E-207B

TECHNOLOGY DEMOLITION NOTES

1. THE DRAWINGS INDICATE EXISTING ITEMS TO BE REMOVED. THE DRAWINGS ARE INTENDED TO INDICATE THE SCOPE OF WORK REQUIRED AND DO NOT INDICATE EVERY BOX, CONDUIT, OR WIRE THAT MUST BE REMOVED. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID AND VERIFY EXISTING CONDITIONS.
2. ITEMS (i.e. SPEAKERS, SWITCHES, ETC.) REMOVED AND NOT RELOCATED REMAIN THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF MATERIAL THE OWNER DOES NOT WANT TO REUSE OR RETAIN. (i.e., FOR MAINTENANCE PURPOSES).
3. EXISTING TO REMAIN DEVICES WITHIN OR ADJACENT TO THE PATH OF CONSTRUCTION SHALL BE PROTECTED IN PLACE. DEVICES THAT MUST BE REMOVED SHALL BE TESTED PRIOR TO REMOVAL, PROTECTED FROM DAMAGE, AND RE-INSTALLED IN ITS ORIGINAL LOCATION DURING THE NEW CONSTRUCTION PHASE OF THE PROJECT.
4. OBTAIN APPROVAL FROM THE OWNER BEFORE TURNING OFF THE POWER TO EQUIPMENT, SYSTEMS, PANELS, ETC. COORDINATE ALL OUTAGES WITH OWNER. CONDUIT CONCEALED IN WALL CONSTRUCTION MAY BE ABANDONED IN PLACE IF NOT AFFECTED BY OTHER CONSTRUCTION.
5. ALL CONDUIT SHALL BE REMOVED WHERE WALLS ARE BEING REMOVED. WHERE CONDUIT IS IN THE CONCRETE SLAB, CUT OFF FLUSH, PULL OUT WIRE, AND PLUG. WHERE CONDUIT IS RUN EXPOSED, ALL ASSOCIATED CLAMPS, SUPPORTS, HANGERS, ETC., SHALL ALSO BE REMOVED.
6. COORDINATE ALL WORK WITH OTHER CONTRACTORS AT THE JOB SITE BEFORE REMOVING EXISTING EQUIPMENT AND INSTALLING NEW ITEMS.
7. EXISTING CONDUIT IN GOOD CONDITION, MAY BE REUSED IN PLACE. RELOCATING EXISTING CONDUIT SHALL NOT BE ALLOWED. BONDING CONDUCTORS SHALL BE INSTALLED IN ALL REUSED CONDUIT TO ASSURE PROPER GROUND PATH.
8. EQUIPMENT REMOVAL IN CERTAIN LOCATIONS MAY REQUIRE THE INSTALLATION OF A JUNCTION BOX TO RECONNECT CIRCUITS THAT REMAIN IN OPERATION. EXTEND CONDUIT AND WIRING AS REQUIRED TO MAINTAIN POWER TO REMAINING EQUIPMENT.
9. DEVICES TO BE REMOVED SHALL HAVE ALL CONNECTED WIRING REMOVED TO THE SOURCE.
10. DEVICES NOT TO BE REMOVED SHALL BE PROTECTED FROM THE ENVIRONMENT, AND ALL ASSOCIATED CABLE/RACEWAYS ARE TO REMAIN AND BE PROTECTED. T.C. SHALL BE RESPONSIBLE FOR REPAIR OF ANY INTERRUPTIONS TO PROTECTED DEVICES.
11. REFER TO SPECIFICATIONS SECTION 27 05 00 AND 27 05 05 FOR ADDITIONAL INFORMATION.

TECHNOLOGY GENERAL NOTES:

1. ##-###-# INDICATES TECHNOLOGY EQUIPMENT SCHEDULE ITEM LABELED AS "EQUIPMENT LIST ABBREVIATION"
2. REFER TO TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR FULL DESCRIPTIONS AND MANUFACTURERS OF ALL DEVICES.

TECHNOLOGY MOUNTING SUBSCRIPT KEY:

A	MOUNT AT +6" TO CENTERLINE ABOVE COUNTER OR BACKSPLASH
H	MOUNT ORIENTED HORIZONTALLY
L	MOUNT IN CASEWORK
M	MOUNT IN MODULAR FURNITURE
S	MOUNT IN SURFACE RACEWAY

A SLASH IS USED BETWEEN TWO SUBSCRIPTS, E.G., A/H.

TECHNOLOGY INSTALLATION NOTES:

1. THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE ADA STANDARDS FOR ACCESSIBLE DESIGN. REFER TO THE ADA GUIDELINES FOR ALL CONFIGURATION DETAILS ON THIS PAGE FOR ADDITIONAL INFORMATION.
2. CONCEAL ALL CONDUIT IN WALLS, PARTITIONS, ABOVE CEILING, IN FLOOR SLAB, ETC. UNLESS OTHERWISE INDICATED ON THE PLANS OR IN THE SPECIFICATIONS. CONDUIT IN MECHANICAL ROOMS AND STORAGE ROOMS WITHOUT CEILINGS MAY BE EXPOSED ON BUILDING STRUCTURE.
3. BOXES LOCATED ON OPPOSITE SIDES OF NON-RATED WALLS SHALL BE OFFSET A MINIMUM OF 6" HORIZONTALLY. BOXES ON OPPOSITE SIDES OF FIRE RATED WALLS SHALL BE OFFSET A MINIMUM OF 24" HORIZONTALLY. "THRU-THE-WALL" BOXES SHALL NOT BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
4. VERIFY ALL FURNITURE, MODULAR FURNITURE, AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL PLANS, ELEVATIONS, AND REVIEWED SHOP DRAWINGS. PRIOR TO MAKING THE ACTUAL TELECOMMUNICATIONS INSTALLATION, ADJUST OUTLETS OR CONNECTION LOCATIONS TO ACCOMMODATE FURNITURE AND/OR EQUIPMENT.
5. TELECOMMUNICATIONS EQUIPMENT SHALL BE MOUNTED TO ALLOW ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF TELECOMMUNICATION DEVICES ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR SHALL BE APPROVED IN ADVANCE BY THE OTHER CONTRACTOR.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS.
7. ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS SHALL BE TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPS. REFER TO 27 05 03 AND 28 05 03 FOR ADDITIONAL INFORMATION AND REQUIREMENTS SPECIFIC TO FIRESTOPPING.
8. ALL LADDER RACK AND CABLE TRAY SIZES ARE AS DEFINED ON THE DRAWINGS. REFER TO SPECIFICATION SECTIONS 26 05 36 AND 27 11 00 FOR APPROVED MANUFACTURERS AND INSTALLATION REQUIREMENTS.
9. EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO THE WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
10. FLUSH MOUNT ALL TELECOMMUNICATION OUTLETS AT +18" FROM FLOOR (CENTERLINE DIMENSION), EXCEPT WHERE OTHERWISE NOTED. OUTLETS MAY BE SURFACE MOUNTED WHEN CONDUIT IS SPECIFIED EXPOSED.

SUGGESTED MATRIX OF RESPONSIBILITY

ITEM:	SHOWN ON:	FURNISHED BY:	INSTALLED BY:	NOTES:
TECHNOLOGY ROUGH-IN, REFER TO TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR DEFINITION	T-SERIES	E.C.	E.C.	3. 4.
INFORMATION OUTLET FACEPLATES, JACKS, AND TERMINATIONS	T-SERIES	T.C.	T.C.	
CONDUIT SLEEVES (WHEN SHOWN ON DRAWINGS)	T-SERIES	E.C.	E.C.	
CONDUIT SLEEVES (NOT SHOWN BUT REQUIRED FOR PROPER INSTALLATION OF SYSTEM)	N/A	T.C.	T.C.	2. 4.
TELECOMMUNICATION SYSTEMS ROUGH-IN	T-SERIES	E.C.	E.C.	1.
TELECOMMUNICATION EQUIPMENT, CABLING, AND TERMINATIONS	T-SERIES	T.C.	T.C.	4.
NURSE CALL ROUGH-IN	T-SERIES	E.C.	E.C.	
NURSE CALL EQUIPMENT, CABLING, AND TERMINATIONS	T-SERIES	E.C.	E.C.	
CABLE TRAY (INCLUDING WIRE BASKET TRAY) REFER TO SPECIFICATION SECTION 27 05 26 FOR DEFINITION	T-SERIES	E.C.	E.C.	
LADDER RACK	T-SERIES	T.C.	T.C.	5.
GROUNDING LUGS ON TECHNOLOGY EQUIPMENT	T-SERIES	T.C.	E.C.	6.
BONDING SYSTEM FOR TECHNOLOGY SYSTEM, REFER TO SPECIFICATION SECTION 27 05 26 FOR DEFINITION	T-SERIES	E.C.	E.C.	7. 8.
CONNECTION OF TECHNOLOGY BONDING SYSTEM TO THE ELECTRICAL GROUND SYSTEM	T-SERIES	E.C.	E.C.	
LINE VOLTAGE POWER (+120V OR GREATER)	E-SERIES	E.C.	E.C.	
LINE VOLTAGE POWER (NOT SHOWN BUT REQUIRED FOR PROPER INSTALLATION OF SYSTEM)	N/A	T.C.	E.C.	2. 4.
LINE VOLTAGE POWER FOR DOOR HARDWARE POWER SUPPLIES	ARCH SPEC	E.C.	E.C.	
LOW VOLTAGE CABLING FOR TECHNOLOGY SYSTEMS	T-SERIES	T.C.	T.C.	
CABLE HANGERS AND SUPPORTS OR OTHER CABLE ROUTING METHODS (OTHER THAN CONDUIT AND CABLE TRAY)	T-SERIES	T.C.	T.C.	5.
TECHNOLOGY SERVICE ENTRANCE CONDUITS, HANDHOLES, AND MANHOLES	[E]T-SERIES	E.C.	E.C.	
FLOOR BOX (ROUGH-IN)	T & E SERIES	E.C.	E.C.	

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As Noted on Drawings
Development Services Department
Saint Luke's East Hospital
Lee's Summit, Missouri
02/16/2024

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
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Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description
2	2/10/23	Addendum 2

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E001

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ELECTRICAL SYSTEMS COVERSHEET

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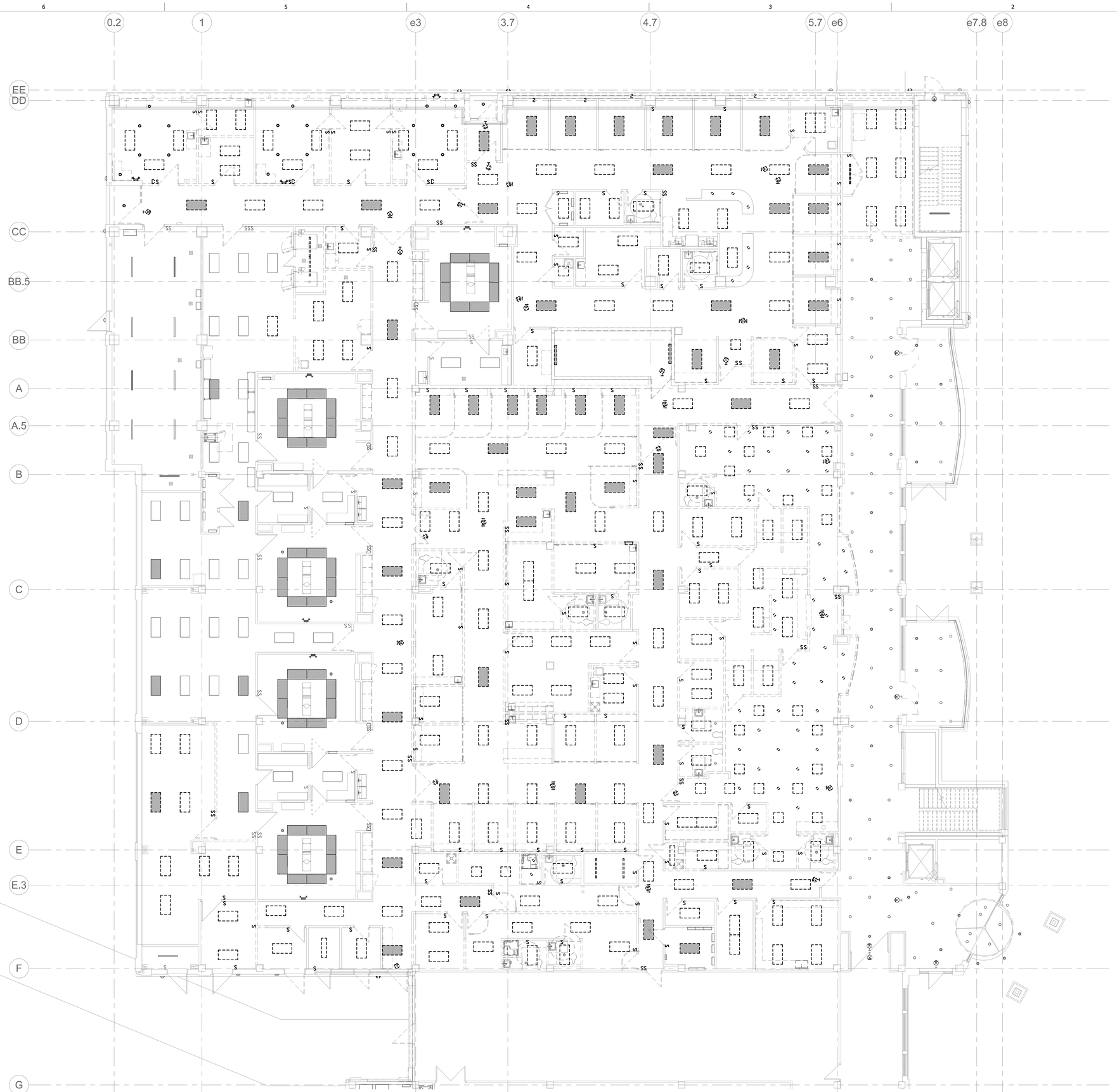

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2. REFER TO ELECTRICAL COVERSHEET E000 FOR SYMBOLS LIST, GENERAL ELECTRICAL NOTES AND ELECTRICAL INSTALLATION NOTES.
3. REFER TO SHEET E400 FOR ELECTRICAL DETAILS.
4. REFER TO SHEET E500 FOR ELECTRICAL RISER DIAGRAM.
5. REFER TO SHEET E600 FOR ELECTRICAL SCHEDULES.
6. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS SHOWN ON PLANS.

1 LEVEL 01 DEMOLITION PLAN - LIGHTING - AREA B

1/8" = 1'-0"

NORTH

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As noted on drawings
Development Services Department
Lee's Summit, Missouri
01/16/2024

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER

1/16/2023

Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600

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

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

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1600 BALTIMORE
SUITE 300
KANSAS CITY, MO 64108
P: 816.842.8437
www.imegcorp.com

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LEVEL 01 DEMOLITION PLAN - LIGHTING - AREA B

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1 LEVEL 02 DEMOLITION PLAN - LIGHTING - AREA B

1/8" = 1'-0"

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STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023

Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
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ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

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1 LEVEL 01 DEMOLITION PLAN - POWER - AREA B

1/8" = 1'-0"

NORTH

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6. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS SHOWN ON PLANS.

KEYED NOTES: (#)

1. EXISTING 60A DISCONNECT SWITCH SHALL BE DISCONNECTED AND SET ASIDE DURING DEMOLITION. DISCONNECT SWITCH SHALL BE RELOCATED FOR NEW STERILIZER LOCATIONS. REFER TO SHEET E211A FOR MORE INFORMATION.
2. ADAPT AND MODIFY EXISTING PACK WRAP EQUIPMENT CONNECTION TO NEW PACK WRAP LOCATION. COORDINATE LOCATION WITH ARCHITECT.

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NUMBER E-22817
PROFESSIONAL ENGINEER
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Bruce E. Hart - Engineer
License - Missouri #E-22817

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ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
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EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

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LEVEL 01 DEMOLITION PLAN - POWER - AREA B

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STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

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E2-12-LN
E2-13-LC
E2-11-LN(A)
E2-9-XRAY
E2-9-XRAY'
E2-8-XRAY
E2-7-LN(A)

1 LEVEL 02 DEMOLITION PLAN - POWER - AREA B
1/8" = 1'-0"

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Kansas City | St. Louis
1710 Wyandotte
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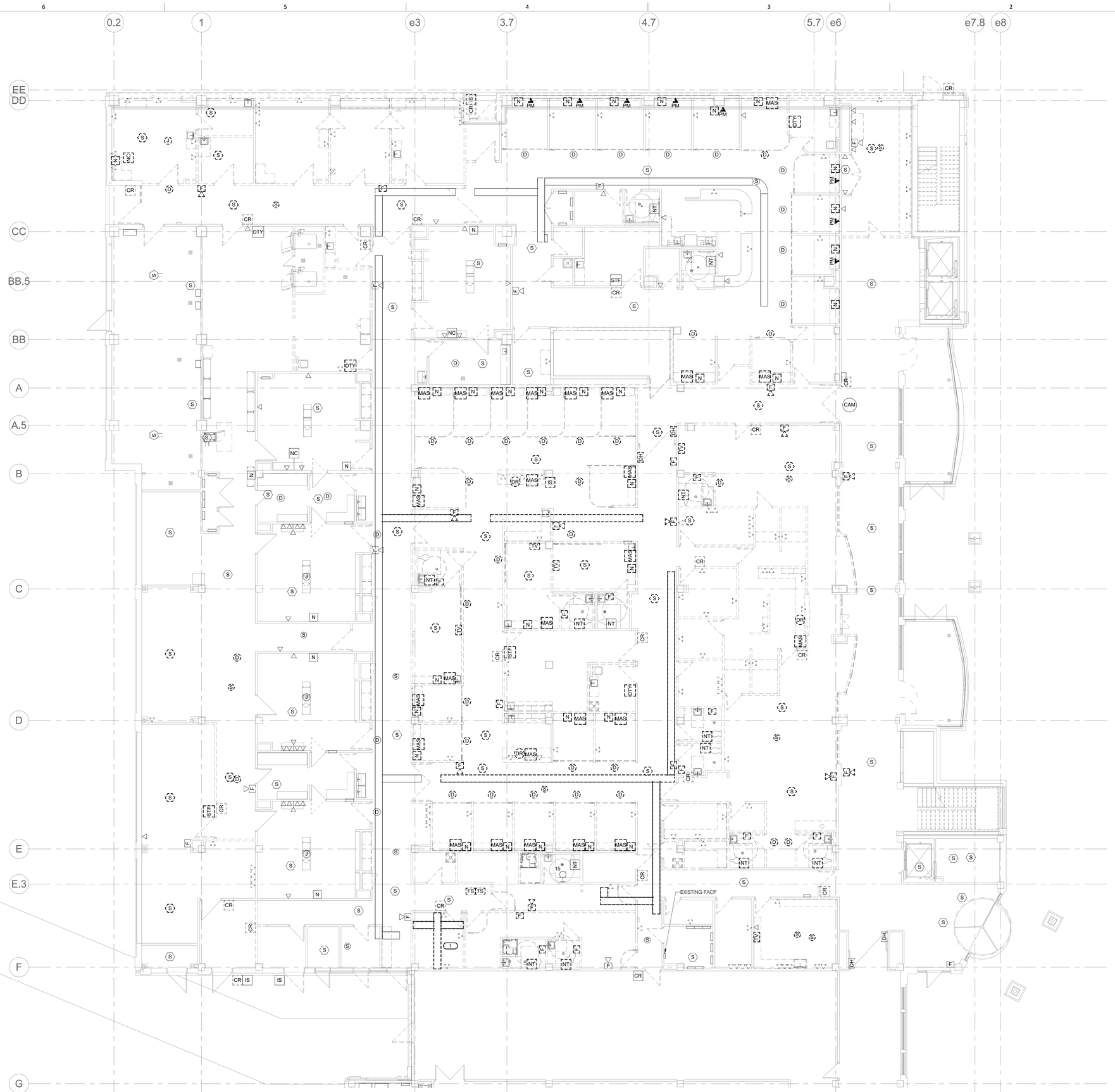

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5. REFER TO SHEET E600 FOR ELECTRICAL SCHEDULES.
6. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS SHOWN ON PLANS.

KEYNOTES: (#)

1. EXISTING RACK AND IT EQUIPMENT TO BE RELOCATED. REFER TO SHEET E221A FOR NEW LOCATION. IT ROOM SHALL REMAIN FUNCTIONAL UNTIL EXISTING EQUIPMENT GETS RELOCATED.

1 LEVEL 01 DEMOLITION PLAN - SYSTEMS - AREA B

1/8" = 1'-0"

NORTH

RELEASED FOR CONSTRUCTION
As noted on submittal letter
Development Services Department
City of Lee's Summit, Missouri
Approved: 1/16/2024

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023

Bruce E. Hart - Engineer
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ACI BOLAND ARCHITECTS
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Kansas City | St. Louis
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Number	Date	Description

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1600 BALTIMORE SUITE 300 KANSAS CITY, MO 64108 P: 816.842.8437
www.imegcorp.com

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0 1 2 3
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PROJECT #210067783.00

E121B

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LEVEL 01 DEMOLITION PLAN - SYSTEMS - AREA B

1/16/2023 7:19:02 PM

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As noted on drawings
Development Services Department
Lee's Summit, Missouri
01/16/2024

SHEET NOTES:

1. VERIFY DIMENSIONS FROM ARCHITECTURAL DRAWINGS AND PHYSICALLY AT SITE. READ ALL SPECIFICATIONS. REVIEW ALL DRAWINGS INCLUDING THOSE OF OTHER TRADES. ALL WORK SHALL BE COORDINATED WITH ALL TRADES ON THIS PROJECT.
2. REFER TO ELECTRICAL COVERSHEET E000 FOR SYMBOLS LIST, GENERAL ELECTRICAL NOTES AND ELECTRICAL INSTALLATION NOTES.
3. REFER TO SHEET E400 FOR ELECTRICAL DETAILS.
4. REFER TO SHEET E500 FOR ELECTRICAL RISER DIAGRAM.
5. REFER TO SHEET E600 FOR ELECTRICAL SCHEDULES.
6. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS SHOWN ON PLANS.

1 LEVEL 02 DEMOLITION PLAN - SYSTEMS - AREA B

1/8" = 1'-0"

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
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Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	ZMB
Checked By	PLR

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Number	Date	Description

E122B

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LEVEL 02 DEMOLITION PLAN - SYSTEMS - AREA B

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/MEP21_21006783.00_SLH-East ASC Addition_C.rvt

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As noted on drawings
Development Services Department
Summit, Missouri
01/16/2024

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023

Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI
BOLAND
ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
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3. REFER TO SHEET E400 FOR ELECTRICAL DETAILS.
4. REFER TO SHEET E500 FOR ELECTRICAL RISER DIAGRAM.
5. REFER TO SHEET E600 FOR ELECTRICAL SCHEDULES.
6. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS SHOWN ON PLANS.

LIGHTING CONTROLS:

1. PATIENT CARE SPACES SHALL HAVE LOCAL MANUAL ON/OFF OR DIMMING CONTROL, UNLESS SHOWN DIFFERENTLY ON PLAN.
2. NON-PATIENT CARE SPACES SHALL BE FURNISHED WITH AUTOMATIC LIGHTING CONTROL TO MEET IECC REQUIREMENTS. THE WATTSTOPPER DLM SYSTEM SHALL BE UTILIZED IN ANY ROOM THAT IS TOO LARGE FOR A WALL-MOUNTED OCCUPANCY SENSOR WITH DIMMING CONTROL.
3. CORRIDOR LIGHTING SHALL BE INTERFACED WITH BMS FOR TIME OF DAY CONTROL.
4. NEW EXTERIOR LIGHTS SHALL HAVE MANUAL CONTROL FOR DIMMING AND SHALL BE INTERFACED WITH BMS FOR TIME OF DAY CONTROL.

BRANCH CIRCUIT NOTES:

1. ALL NORMAL POWER LUMINAIRES ARE CONNECTED TO PANEL E1-9-HN UNLESS NOTED OTHERWISE. ALL NORMAL POWER LUMINARIES IN CORRIDORS ARE CONENCTED TO PANEL E1-12-HN, UNLESS OTHERWISE NOTED. CIRCUIT NUMBER IS INDICATED AFTER LUMINAIRE TAG.
2. ALL SWITCHED LIFE SAFETY LUMINAIRES AND EXIT SIGNS ARE CONNECTED TO PANEL E1-17-HLS. CIRCUIT NUMBER IS INDICATED AFTER LUMINAIRE TAG.

KEYNOTES:

1. FURNISH RSN-OPTO-8 FOR CONTROL OF FIXTURE TYPE H. MOUNT RSN-OPTO-8 IN ACCESSIBLE LOCATION ABOVE CEILING. FIELD VERIFY EXACT LOCATION WITH OWNER AND ALL SYSTEMS IN THE AREA. FURISH AND INSTALL ALL WIRE, CABLE, AND CONDUIT BETWEEN FIXTURES, RSN-OPTO-8, AND ETC DMX TOUCH SCREEN CONTROLLER PER MANUFACTURER'S RECOMMENDATION AND INSTRUCTION. PROVIDE ALL EQUIPMENT AND CONNECTIONS AS REQUIRED FOR DAYLIGHT SENSOR TO PROVIDE DIMMING INPUTS AND BMS SYSTEM TO PROVIDE TIMECLOCK AND CONTROL INPUTS TO DMX CONTROLLED FIXTURES.
2. NOT USED.
3. FURNISH RSN-OPTO-8 FOR CONTROL OF FIXTURE TYPE P. MOUNT RSN-OPTO-8 IN ACCESSIBLE LOCATION ABOVE CEILING. FIELD VERIFY EXACT LOCATION WITH OWNER AND ALL SYSTEMS IN THE AREA. FURISH AND INSTALL ALL WIRE, CABLE, AND CONDUIT BETWEEN FIXTURES, RSN-OPTO-8, AND ETC DMX TOUCH SCREEN CONTROLLER PER MANUFACTURER'S RECOMMENDATION AND INSTRUCTION. PROVIDE ALL EQUIPMENT AND CONNECTIONS AS REQUIRED FOR DAYLIGHT SENSOR TO PROVIDE DIMMING INPUTS AND BMS SYSTEM TO PROVIDE TIMECLOCK AND CONTROL INPUTS TO DMX CONTROLLED FIXTURES.
4. ALL SWITCHED LIFE SAFETY LUMINAIRES IN THIS ROOM ARE CONNECTED TO PANEL E1-15-LC. CIRCUIT NUMBER IS INDICATED AFTER LUMINAIRE TAG.
5. 2 BUTTONS SHALL RAISE AND LOWER LIGHTS IN LOWER LIGHTS IN ZONE Z2.

A. CONCRETE PAVING PER ARCHITECT'S PLAN. REFER TO CIVIL SITE LIGHTING PLANS ON SHEET C402 FOR FIXTURE SPECIFICATIONS AND QUANTITY. E.C. SHALL FURNISH AND INSTALL PARKING LOT LIGHT FIXTURES AND BASES.

DAYLIGHT ZONE 1-1

DAYLIGHT ZONE 1-2

IMEG
1600 BALTIMORE
SUITE 300
KANSAS CITY, MO 64108
P: 816.842.8437
www.imegcorp.com

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PROJECT #21006783.00

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	ZMB
Checked By	PLR

Revision

Number	Date	Description
2	2/10/23	Addendum 2

E201A

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LEVEL 01 PLAN - LIGHTING - AREA A

1 LEVEL 01 PLAN - LIGHTING - AREA A
1/8" = 1'-0"

NORTH

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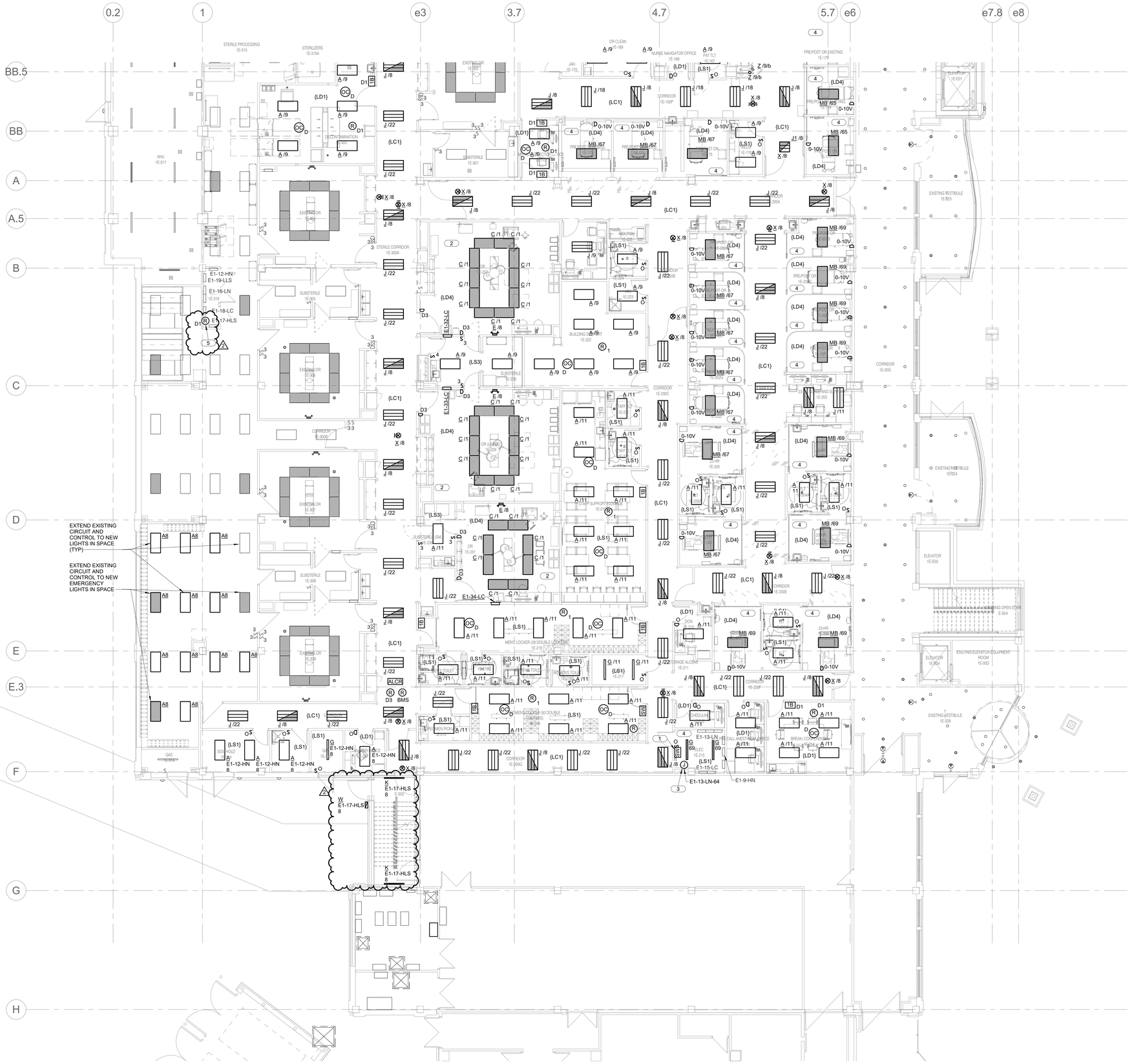
As Noted on Drawings
Development Services Department
Summit, Missouri
01/16/2024

2/10/2023 4:05:22 PM



1 LEVEL 01 PLAN - LIGHTING - AREA B

1/8" = 1'-0"

SHEET NOTES:

1. VERIFY DIMENSIONS FROM ARCHITECTURAL DRAWINGS AND PHYSICALLY AT SITE. READ ALL SPECIFICATIONS. REVIEW ALL DRAWINGS INCLUDING THOSE OF OTHER TRADES. ALL WORK SHALL BE COORDINATED WITH ALL TRADES ON THIS PROJECT.
2. REFER TO ELECTRICAL COVERSHEET E000 FOR SYMBOLS LIST, GENERAL ELECTRICAL NOTES AND ELECTRICAL INSTALLATION NOTES.
3. REFER TO SHEET E400 FOR ELECTRICAL DETAILS.
4. REFER TO SHEET E500 FOR ELECTRICAL RISER DIAGRAM.
5. REFER TO SHEET E600 FOR ELECTRICAL SCHEDULES.
6. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS SHOWN ON PLANS.

EXTERIOR LIGHTING SCOPE:

1. REFER TO SHEET C401 FOR SPEC AND LOCATION OF (29) NEW POLE-MOUNTED LIGHT FIXTURES IN EXPANDED PARKING LOTS. CONNECT FIXTURES TO SPARE 20A, 1P CIRCUIT BREAKERS IN EXISTING PANEL 'E1-12-HN'.

LIGHTING CONTROLS:

1. PATIENT CARE SPACES SHALL HAVE LOCAL MANUAL ON/OFF OR DIMMING CONTROL, UNLESS SHOWN DIFFERENTLY ON PLAN.
2. NON-PATIENT CARE SPACES SHALL BE FURNISHED WITH AUTOMATIC LIGHTING CONTROL TO MEET IECC REQUIREMENTS. THE WATTSTOPPER DLM SYSTEM SHALL BE UTILIZED IN ANY ROOM THAT IS TOO LARGE FOR A WALL-MOUNTED OCCUPANCY SENSOR WITH DIMMING CONTROL.
3. CORRIDOR LIGHTING SHALL BE INTERFACED WITH BMS FOR TIME OF DAY CONTROL.

BRANCH CIRCUIT NOTES:

1. ALL NORMAL POWER LUMINAIRES ARE CONNECTED TO PANEL E1-9-HN UNLESS NOTED OTHERWISE. ALL NORMAL POWER LUMINARIES IN CORRIDORS ARE CONENCTED TO PANEL E1-12-HN, UNLESS OTHERWISE NOTED. CIRCUIT NUMBER IS INDICATED AFTER LUMINAIRE TAG.
2. ALL SWITCHED LIFE SAFETY LUMINAIRES, EXIT SIGNS, AND EMERGENCY UNITS ARE CONNECTED TO PANEL E1-17-HLS. CIRCUIT NUMBER IS INDICATED AFTER LUMINAIRE TAG.

KEYNOTES:

1. ETC DMX TOUCH SCREEN CONTROLLER. FIELD VERIFY EXACT LOCATION AND COORDINATE LOCATION OF CONTROLLER WITH OWNER. CIRCUIT NUMBER IS INDICATED AFTER CONTROLLER TAG.
3. ETC E-SPS-DIN DEVICE. FURNISH AND INSTALL DEVICE ABOVE CEILING AND CONNECT TO ETC DMX TOUCH SCREEN CONTROLLER.
5. FURNISH AND INSTALL NEW CONTROLLER AT EXISTING PANEL 'E1-17-HLS' TO CONNECT NEW CIRCUIT FOR PARKING LOT LIGHTS. ROOM CONTROLLER SHALL INTERFACE WITH EXISTING BMS SYSTEM TO CONTROL LIGHTS AT A SET TIME. COORDINATE TIME SCHEDULE OF PARKING LOT LIGHTS WITH OWNER. REFER TO SHEET E201A KEYNOTE 6 FOR MORE INFORMATION.

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REF. SCALE IN INCHES PROJECT #210067B3.00

BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

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EAST HOSPITAL
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100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	ZMB
Checked By	PLR

Revision

Number	Date	Description
2	2/10/23	Addendum 2

E201B

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LEVEL 01 PLAN - LIGHTING - AREA B

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Kansas City Missouri Development Services Department
Jackson County, Missouri
01/16/2024

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
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3. REFER TO SHEET E400 FOR ELECTRICAL DETAILS.
4. REFER TO SHEET E500 FOR ELECTRICAL RISER DIAGRAM.
5. REFER TO SHEET E600 FOR ELECTRICAL SCHEDULES.
6. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS SHOWN ON PLANS.

LIGHTING CONTROLS:

1. PATIENT CARE SPACES SHALL HAVE LOCAL MANUAL ON/OFF OR DIMMING CONTROL, UNLESS SHOWN DIFFERENTLY ON PLAN.
2. NON-PATIENT CARE SPACES SHALL BE FURNISHED WITH AUTOMATIC LIGHTING CONTROL TO MEET IECC REQUIREMENTS. THE WATTSTOPPER DLM SYSTEM SHALL BE UTILIZED IN ANY ROOM THAT IS TOO LARGE FOR A WALL-MOUNTED OCCUPANCY SENSOR WITH DIMMING CONTROL.
3. CORRIDOR LIGHTING SHALL BE INTERFACED WITH BMS FOR TIME OF DAY CONTROL.
4. NEW EXTERIOR LIGHTS SHALL HAVE MANUAL CONTROL FOR DIMMING AND RGB CONTROL AND SHALL BE INTERFACED WITH BMS FOR TIME OF DAY CONTROL.

BRANCH CIRCUIT NOTES:

1. ALL NORMAL POWER LUMINAIRES ARE CONNECTED TO PANEL E2-1-HN UNLESS NOTED OTHERWISE. CIRCUIT NUMBER IS INDICATED AFTER LUMINAIRE TAG.
2. ALL SWITCHED LIFE SAFETY LUMINAIRES AND EXIT SIGNS ARE CONNECTED TO PANEL E2-3-HLS. CIRCUIT NUMBER IS INDICATED AFTER LUMINAIRE TAG.

KEYNOTES: (#)

1. FURNISH RSN-OPTO-8 FOR CONTROL OF FIXTURE TYPE H. MOUNT RSN-OPTO-8 IN ACCESSIBLE LOCATION ABOVE CEILING. FIELD VERIFY EXACT LOCATION WITH OWNER AND ALL SYSTEMS IN THE AREA. FURISH AND INSTALL ALL WIRE, CABLE, AND CONDUIT BETWEEN FIXTURES, RSN-OPTO-8, AND ETC DMX TOUCH SCREEN CONTROLLER PER MANUFACTURER'S RECOMMENDATION AND INSTRUCTION. PROVIDE ALL EQUIPMENT AND CONNECTIONS AS REQUIRED FOR DAYLIGHT SENSOR TO PROVIDE DIMMING INPUTS AND BMS SYSTEM TO PROVIDE TIMECLOCK AND CONTROL INPUTS TO DMX CONTROLLED FIXTURES.
2. NOT USED.
3. FURNISH RSN-OPTO-8 FOR CONTROL OF FIXTURE TYPE P1. MOUNT RSN-OPTO-8 IN ACCESSIBLE LOCATION ABOVE CEILING. FIELD VERIFY EXACT LOCATION WITH OWNER AND ALL SYSTEMS IN THE AREA. FURISH AND INSTALL ALL WIRE, CABLE, AND CONDUIT BETWEEN FIXTURES, RSN-OPTO-8, AND ETC DMX TOUCH SCREEN CONTROLLER PER MANUFACTURER'S RECOMMENDATION AND INSTRUCTION. PROVIDE ALL EQUIPMENT AND CONNECTIONS AS REQUIRED FOR DAYLIGHT SENSOR TO PROVIDE DIMMING INPUTS AND BMS SYSTEM TO PROVIDE TIMECLOCK AND CONTROL INPUTS TO DMX CONTROLLED FIXTURES.
4. SUNSHADE, BARE AND LOUVERLIGHTS IN ZONE Z3.

DAYLIGHT ZONE 2-1

REFER TO E202A FOR ALL LIGHTING SYMBOLS ABOVE MATCHLINE.

REFER TO E202B FOR ALL LIGHTING SYMBOLS BELOW MATCHLINE.

1 LEVEL 02 PLAN - LIGHTING - AREA A
1/8" = 1'-0"

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PROJECT #21006783.00

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EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	ZMB
Checked By	PLR

Revision

Number	Date	Description
2	2/10/23	Addendum 2

E202A

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LEVEL 02 PLAN - LIGHTING - AREA A

2/10/2023 4:05:33 PM
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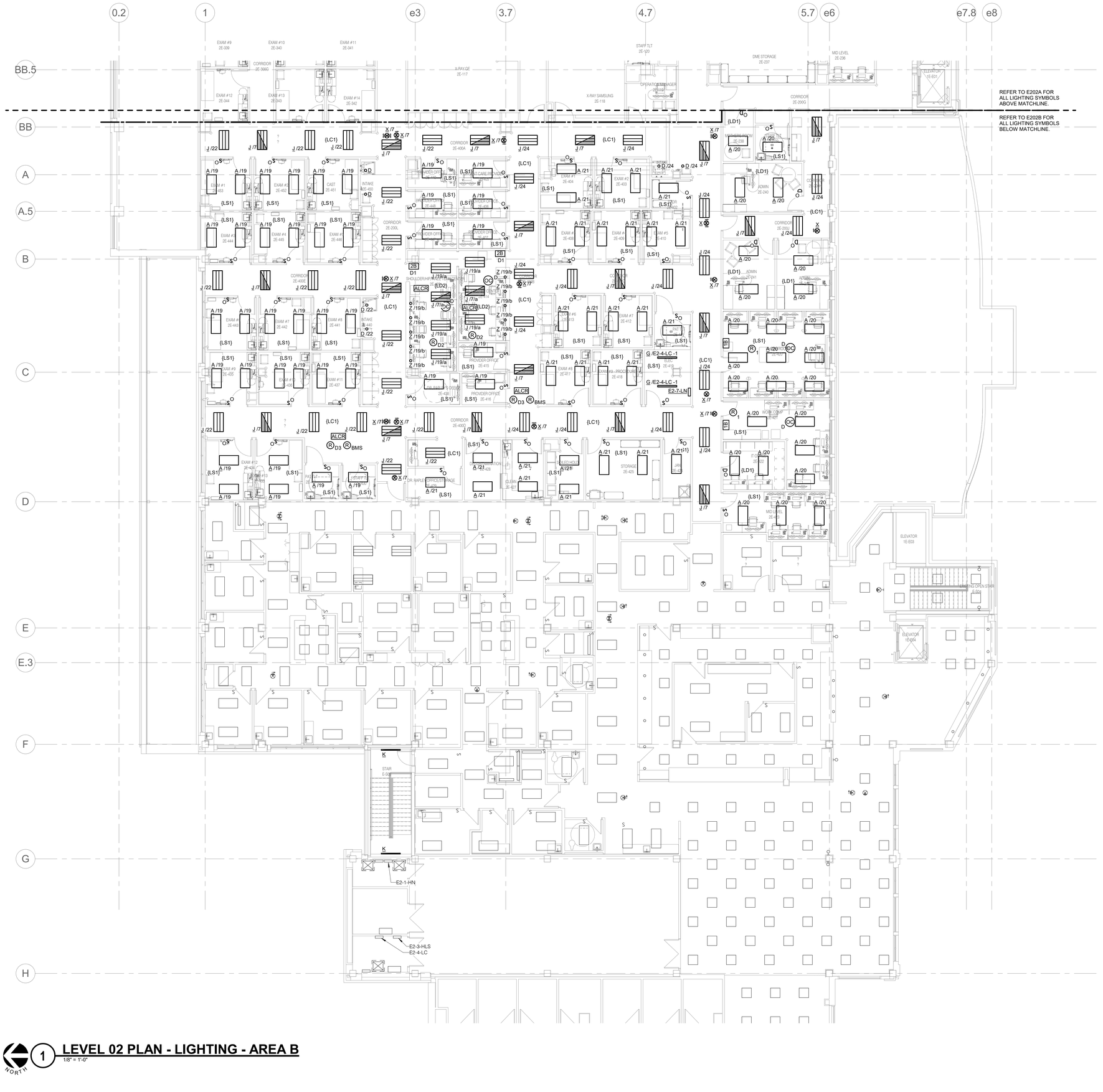
As noted on drawing
Development Services Department
Summit, Missouri
01/16/2024



LEVEL 02 PLAN - LIGHTING - AREA B

1/8" = 1'-0"

SHEET NOTES:

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5. REFER TO SHEET E600 FOR ELECTRICAL SCHEDULES.
6. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS SHOWN ON PLANS.

LIGHTING CONTROLS:

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2. NON-PATIENT CARE SPACES SHALL BE FURNISHED WITH AUTOMATIC LIGHTING CONTROL TO MEET IECC REQUIREMENTS. THE WATTSTOPPER DLM SYSTEM SHALL BE UTILIZED IN ANY ROOM THAT IS TOO LARGE FOR A WALL-MOUNTED OCCUPANCY SENSOR WITH DIMMING CONTROL.
3. CORRIDOR LIGHTING SHALL BE INTERFACED WITH BMS FOR TIME OF DAY CONTROL.

BRANCH CIRCUIT NOTES:

1. ALL NORMAL POWER LUMINAIRES ARE CONNECTED TO PANEL E2-1-HN UNLESS NOTED OTHERWISE. CIRCUIT NUMBER IS INDICATED AFTER LUMINAIRE TAG.
2. ALL SWITCHED LIFE SAFETY LUMINAIRES AND EXIT SIGNS ARE CONNECTED TO PANEL E2-3-HLS. CIRCUIT NUMBER IS INDICATED AFTER LUMINAIRE TAG.

STATE OF MISSOURI
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PROFESSIONAL ENGINEER
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E202B

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LEVEL 02 PLAN - LIGHTING - AREA B

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1600 BALTIMORE
SUITE 300
KANSAS CITY, MO 64108
P: 816.842.8437
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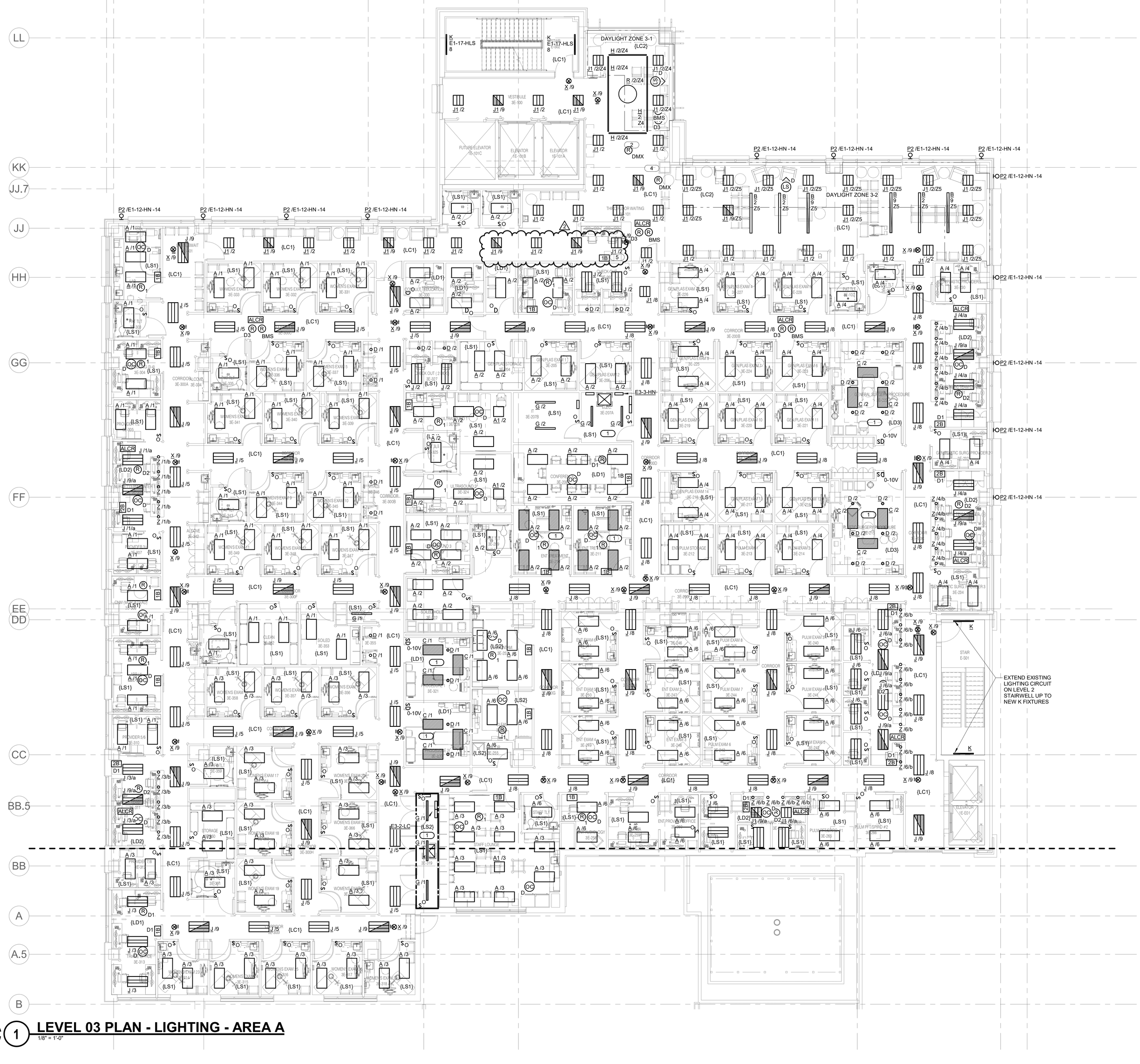

LEVEL 03 PLAN - LIGHTING - AREA A

1/8" = 1'-0"

SHEET NOTES:

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6. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS SHOWN ON PLANS.

LIGHTING CONTROLS:

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3. CORRIDOR LIGHTING SHALL BE INTERFACED WITH BMS FOR TIME OF DAY CONTROL.
4. NEW EXTERIOR LIGHTS SHALL HAVE MANUAL CONTROL FOR DIMMING AND RGB CONTROL AND SHALL BE INTERFACED WITH BMS FOR TIME OF DAY CONTROL.

BRANCH CIRCUIT NOTES:

1. ALL NORMAL POWER LUMINAIRES ARE CONNECTED TO PANEL E3-3-HN UNLESS NOTED OTHERWISE. CIRCUIT NUMBER IS INDICATED AFTER LUMINAIRE TAG.
2. ALL SWITCHED LIFE SAFETY LUMINAIRES ARE CONNECTED TO PANEL E2-3-HLS. CIRCUIT NUMBER IS INDICATED AFTER LUMINAIRE TAG.

KEYNOTES: (#)

1. LUMINAIRES IN ROOM/CLOSET ARE CIRCUITED TO CRITICAL POWER PANEL E3-2-LC. NUMBER AFTER LUMINAIRE TAG DESIGNATES CIRCUIT NUMBER.
2. FURNISH RSN-OPTO-8 FOR CONTROL OF FIXTURE TYPE H. MOUNT RSN-OPTO-8 IN ACCESSIBLE LOCATION ABOVE CEILING. FIELD VERIFY EXACT LOCATION WITH OWNER AND ALL SYSTEMS IN THE AREA. FURISH AND INSTALL ALL WIRE, CABLE, AND CONDUIT BETWEEN FIXTURES, RSN-OPTO-8, AND ETC DMX TOUCH SCREEN CONTROLLER PER MANUFACTURER'S RECOMMENDATION AND INSTRUCTION. PROVIDE ALL EQUIPMENT AND CONNECTIONS AS REQUIRED FOR DAYLIGHT SENSOR TO PROVIDE DIMMING INPUTS AND BMS SYSTEM TO PROVIDE TIMECLOCK AND CONTROL INPUTS TO DMX CONTROLLED FIXTURES.
3. NOT USED.
4. FURNISH RSN-OPTO-8 FOR CONTROL OF FIXTURE TYPE P2. MOUNT RSN-OPTO-8 IN ACCESSIBLE LOCATION ABOVE CEILING. FIELD VERIFY EXACT LOCATION WITH OWNER AND ALL SYSTEMS IN THE AREA. FURISH AND INSTALL ALL WIRE, CABLE, AND CONDUIT BETWEEN FIXTURES, RSN-OPTO-8, AND ETC DMX TOUCH SCREEN CONTROLLER PER MANUFACTURER'S RECOMMENDATION AND INSTRUCTION. PROVIDE ALL EQUIPMENT AND CONNECTIONS AS REQUIRED FOR DAYLIGHT SENSOR TO PROVIDE DIMMING INPUTS AND BMS SYSTEM TO PROVIDE TIMECLOCK AND CONTROL INPUTS TO DMX CONTROLLED FIXTURES.
5. BUTTONS SHALL RAISE AND LOWER LIGHTS IN ZONE 24. 2 BUTTONS SHALL RAISE AND LOWER LIGHTS IN ZONE 25.

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023

Bruce E. Hart - Engineer
License - Missouri #E-22817

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ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	ZMB
Checked By	PLR

Revision

Number	Date	Description
2	2/10/23	Addendum 2

E203A

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LEVEL 03 PLAN - LIGHTING - AREA A

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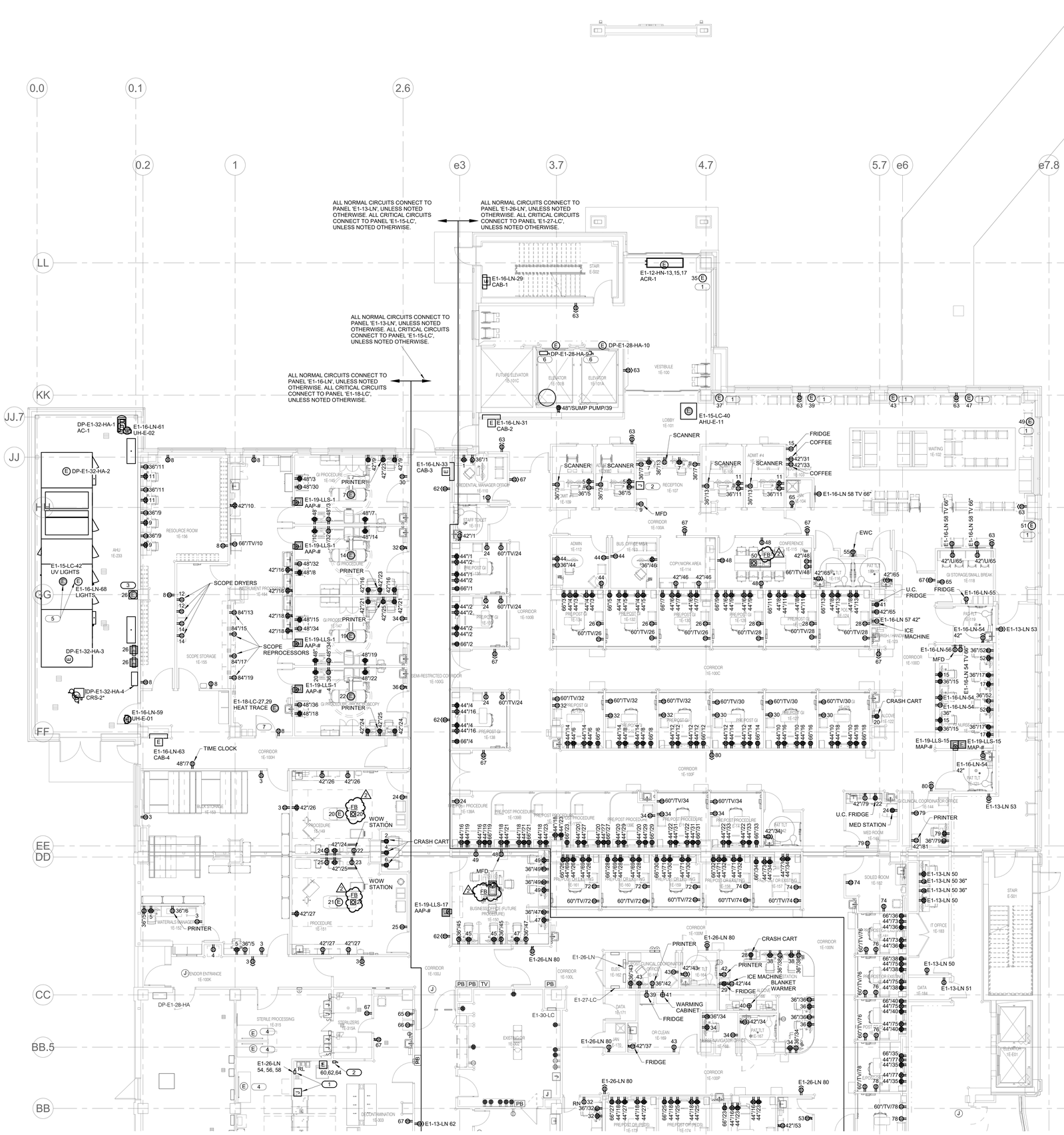
Missouri Certificate of Authority #F001325536
REF. SCALE IN INCHES 0 1 2 3
PROJECT #21006783.00

RELEASED FOR Permit As Noted Below Review Purposes Only Not Approved for Construction Bidding Permit

RELEASED FOR CONSTRUCTION
As Noted Comment Services Department
Summit, Missouri
01/16/2024



SHEET NOTES:

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2. REFER TO ELECTRICAL COVERSHEET E000 FOR SYMBOLS LIST, GENERAL ELECTRICAL NOTES AND ELECTRICAL INSTALLATION NOTES.
3. REFER TO SHEET E400 FOR ELECTRICAL DETAILS.
4. REFER TO SHEET E500 FOR ELECTRICAL RISER DIAGRAM.
5. REFER TO SHEET E600 FOR ELECTRICAL SCHEDULES.
6. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS SHOWN ON PLANS.

MECHANICAL EQUIPMENT:

1. REFER TO MECHANICAL AND PLUMBING PLANS FOR LOCATION OF EQUIPMENT AND VARIOUS EQUIPMENT SCHEDULES ON SHEETS M600 THROUGH M602 FOR ADDITIONAL INFORMATION ON EQUIPMENT.
2. AHU-E-8, AHU-E-9, LAB AIR COMPRESSOR, DUPLEX CONDENSATE PUMP, EXHAUST FANS EF-17 AND EF-18, AND TWO CONDENSING UNITS FURNISHED WITH I.T. IN-ROW COOLERS BY EC SHALL BE CONNECTED TO NEW DISTRIBUTION PANEL 'DP-E1-32-HA'.
3. EXHAUST FANS EF-15 AND EF-16 SHALL BE CONNECTED TO NEW PANEL 'E3-4-LN'.
4. EXISTING EXHAUST FANS EF-10 AND EF-11 ARE BEING REPLACED AND RELOCATED TO NEW HIGHER ROOF. NEW FANS SHALL BE RECONNECTED TO EXISTING CIRCUITS SERVING THEM - EXTEND CIRCUITS AS REQUIRED.
5. EXISTING EXHAUST FANS EF-1, 2, 3, 5, 6, 7, 8 AND 9 ARE BEING REPLACED IN SAME LOCATION. EXISTING CIRCUIT SERVING EACH SHALL BE RECONNECTED TO NEW FAN.
6. EXISTING EXHAUST FAN EF-4 IS BEING REMOVED.
7. VARIOUS FAN COIL UNITS, CABINET HEATERS, UNIT HEATERS AND AIR CURTAIN SHALL BE SERVED BY NEAREST 120/208V OR 277/480V NORMAL POWER PANEL.

KEYNOTES: (#)

1. MOTORIZED SHADE POWER. PROVIDE ALL MATERIAL NECESARY FOR COMPLETE INSTALLATION PER MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS. PROVIDE CONDUIT AND WIRING TO CONTROL STATION.
2. MOTORIZED SHADE CONTROL STATION. FIELD VERIFY EXACT LOCATION WITH OWNER AND ARCHITECT.
3. VAV BOX POWER SUPPLY CABINET LOCATED IN AHU 1E-233.
4. ADAPT AND MODIFY EXISTING PACK WRAP EQUIPMENT CONNECTION TO NEW PACK WRAP LOCATION. COORDINATE LOCATION WITH ARCHITECT.
5. CIRCUITS SHOWN FOR LIGHTS AND UV SYSTEM IN AIR HANDLING UNIT. COORDINATE WITH MECHANICAL CONTRACTOR.
6. COORDINATE PROVISION OF AND SIZE OF DISCONNECT SWITCH AND CONTROLLER WITH ELEVATOR MANUFACTURER.
7. PROVIDE HEAT TRACE CABLE ON HOT WATER LINE FOR HOSPITAL SCOPE CLEANER. COORDINATE HEAT TRACE LOCATION WITH PLUMBING CONTRACTOR.

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

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100 NE Saint Luke's Blvd
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LEVEL 01 PLAN - POWER - AREA A

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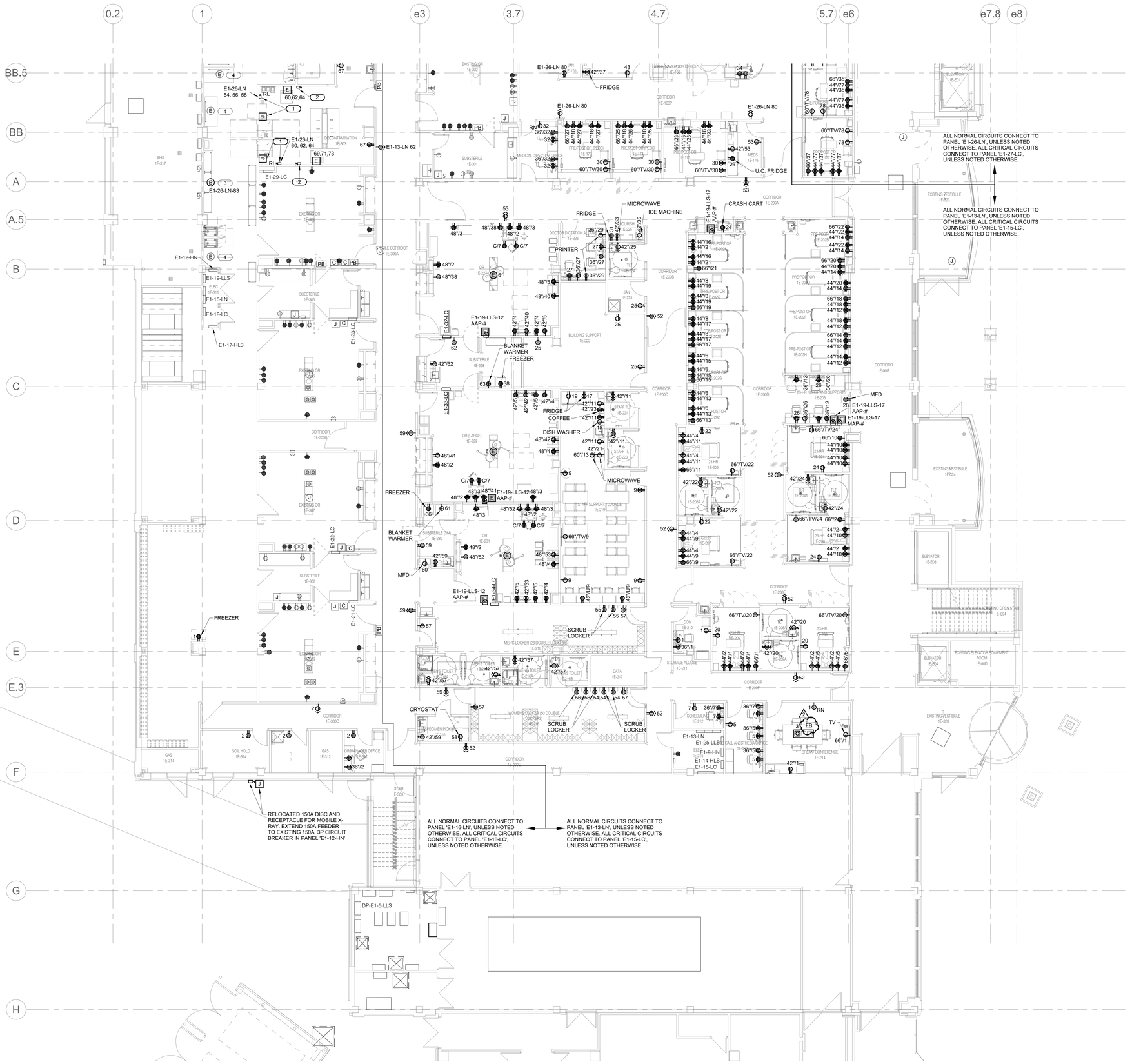
As Noted on Drawings
Development Services Department
Summit, Missouri
01/16/2024



1 LEVEL 01 PLAN - POWER - AREA B

1/8" = 1'-0"

SHEET NOTES:

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3. REFER TO SHEET E400 FOR ELECTRICAL DETAILS.
4. REFER TO SHEET E500 FOR ELECTRICAL RISER DIAGRAM.
5. REFER TO SHEET E600 FOR ELECTRICAL SCHEDULES.
6. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS SHOWN ON PLANS.

MECHANICAL EQUIPMENT:

1. REFER TO MECHANICAL AND PLUMBING PLANS FOR LOCATION OF EQUIPMENT AND VARIOUS EQUIPMENT SCHEDULES ON SHEETS M600 THROUGH M602 FOR ADDITIONAL INFORMATION ON EQUIPMENT.
2. AHU-E-8, AHU-E-9, LAB AIR COMPRESSOR, DUPLEX CONDENSATE PUMP, EXHAUST FANS EF-17 AND EF-18, AND TWO CONDENSING UNITS FURNISHED WITH I.T. IN-ROW COOLERS BY EC SHALL BE CONNECTED TO NEW DISTRIBUTION PANEL 'DP-E1-32-HA'.
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6. EXISTING EXHAUST FAN EF-4 IS BEING REMOVED.
7. VARIOUS FAN COIL UNITS, CABINET HEATERS, UNIT HEATERS AND AIR CURTAIN SHALL BE SERVED BY NEAREST 120/208V OR 277/480V NORMAL POWER PANEL.

KEYNOTES: (#)

1. RELOCATE AND RECONNECT EXISTING 60 AMP DISCONNECT SWITCH. CONNECT TO EXISTING CIRCUIT AND TO STERILIZER AS REQUIRED.
2. FURNISH AND INSTALL NEW 60 AMP, 3-POLE NON-FUSED DISCONNECT SWITCH FOR ULTRASONIC CLEANER.
3. PROVIDE CONNECTION TO NEW PACK WRAP EQUIPMENT. COORDINATE EXACT LOCATION WITH ARCHITECT. COORDINATE PROVISION OF DISCONNECTING MEANS WITH PACK WRAP MANUFACTURER.
4. ADAPT AND MODIFY EXISTING PACK WRAP EQUIPMENT CONNECTION TO NEW PACK WRAP LOCATION. COORDINATE LOCATION WITH ARCHITECT.

STATE OF MISSOURI
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NUMBER E-22817
PROFESSIONAL ENGINEER
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Bruce E. Hart - Engineer
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2	2/10/23	Addendum 2

E211B

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LEVEL 01 PLAN - POWER - AREA B

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Development Services Department
Summit, Missouri
01/16/2024

STATE OF MISSOURI
BRUCE ELDON HART
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PROFESSIONAL ENGINEER
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Bruce E. Hart - Engineer
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2. REFER TO ELECTRICAL COVERSHEET E000 FOR SYMBOLS LIST, GENERAL ELECTRICAL NOTES AND ELECTRICAL INSTALLATION NOTES.
3. REFER TO SHEET E400 FOR ELECTRICAL DETAILS.
4. REFER TO SHEET E500 FOR ELECTRICAL RISER DIAGRAM.
5. REFER TO SHEET E600 FOR ELECTRICAL SCHEDULES.
6. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS SHOWN ON PLANS.

MECHANICAL EQUIPMENT:

1. REFER TO MECHANICAL AND PLUMBING PLANS FOR LOCATION OF EQUIPMENT AND VARIOUS EQUIPMENT SCHEDULES ON SHEETS M600 THROUGH M602 FOR ADDITIONAL INFORMATION ON EQUIPMENT.
2. AHU-E-8, AHU-E-9, LAB AIR COMPRESSOR, DUPLEX CONDENSATE PUMP, EXHAUST FANS EF-17 AND EF-18, AND TWO CONDENSING UNITS FURNISHED WITH I.T. IN-ROW COOLERS BY EC SHALL BE CONNECTED TO NEW DISTRIBUTION PANEL 'DP-E1-32-HA'.
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7. VARIOUS FAN COIL UNITS, CABINET HEATERS, UNIT HEATERS AND AIR CURTAIN SHALL BE SERVED BY NEAREST 120/208V OR 277/480V NORMAL POWER PANEL.

BRANCH CIRCUIT NOTES:

1. ALL CRITICAL CIRCUITS SHALL BE CONNECTED TO NEW PANEL 'E2-13-LC', UNLESS NOTED OTHERWISE.

KEYNOTES: (#)

1. NOT USED.
2. MOTORIZED SHADE POWER. PROVIDE ALL MATERIALS NECESSARY FOR COMPLETE INSTALLATION PER MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS. PROVIDE CONDUIT AND WIRING TO CONTROL STATION.
3. MOTORIZED SHADE CONTROL STATION. FIELD VERIFY EXACT LOCATION WITH OWNER AND ARCHITECT.
4. RECESSED PANEL FURNISHED WITH XRAY EQUIPMENT. EXACT LOCATION OF PANEL TO BE COORDINATE WITH XRAY VENDOR.
5. COORDINATE WIRE, CONDUIT, AND OCPD SIZE WITH X-RAY EQUIPMENT PROVIDED.

ALL NORMAL CIRCUITS CONNECT TO PANEL 'E2-12-LN', UNLESS NOTED OTHERWISE.

ALL NORMAL CIRCUITS CONNECT TO PANEL 'E2-7-LN', UNLESS NOTED OTHERWISE.

ALL NORMAL CIRCUITS CONNECT TO PANEL 'E2-12-LN', UNLESS NOTED OTHERWISE.

SEE ENLARGED ELECTRICAL PLAN FOR IT ROOM ON SHEET E312

LEVEL 02 PLAN - POWER - AREA A

1/8" = 1'-0"

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REF. SCALE IN INCHES 0 1 2 3
PROJECT #21006783.00

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ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	ZMB
Checked By	PLR

Revision

Number	Date	Description
2	2/10/23	Addendum 2

E212A

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LEVEL 02 PLAN - POWER - AREA A

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/MEP21_21006783.00_SLH-East ASC Addition_C.rvt
2/10/2023 4:06:15 PM

RELEASED FOR CONSTRUCTION
As noted on drawings
Development Services Department
Summit, Missouri
1/16/2024

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

SHEET NOTES:

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3. REFER TO SHEET E400 FOR ELECTRICAL DETAILS.
4. REFER TO SHEET E500 FOR ELECTRICAL RISER DIAGRAM.
5. REFER TO SHEET E600 FOR ELECTRICAL SCHEDULES.
6. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS SHOWN ON PLANS.

MECHANICAL EQUIPMENT:

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7. VARIOUS FAN COIL UNITS, CABINET HEATERS, UNIT HEATERS AND AIR CURTAIN SHALL BE SERVED BY NEAREST 120/208V OR 277/480V NORMAL POWER PANEL.

BRANCH CIRCUIT NOTES:

1. ALL NORMAL CIRCUITS SHALL BE CONENCTED TO NEW PANEL 'E2-7-LN', UNLESS NOTED OTHERWISE.
2. ALL CRITICAL CIRCUITS SHALL BE CONNECTED TO NEW PANEL 'E2-13-LC', UNLESS NOTED OTHERWISE. REFER TO SHEET E212A FOR LOCATION OF PANEL 'E2-13-LC'.

KEYNOTES:

2
1. NOT USED
2. 42-CKT POWER SUPPLY CABINET LOCATED IN ELEC 2E-419.

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E212B

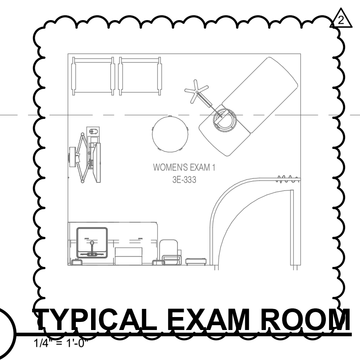
LEVEL 02 PLAN - POWER - AREA B

1 LEVEL 02 PLAN - POWER - AREA B
1/8" = 1'-0"

NORTH

2/10/2023 4:06:22 PM
BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/MEP21_21006783.00_SLH-East ASC Addition_C.rvt

1 LEVEL 03 PLAN - POWER - AREA A
1/8" = 1'-0"



2 TYPICAL EXAM ROOM
1/4" = 1'-0"

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3. REFER TO SHEETS MPE234A AND MPE234B FOR ELECTRICAL REQUIREMENTS ON ROOF PLANS.
4. REFER TO SHEET E400 FOR ELECTRICAL DETAILS.
5. REFER TO SHEET E500 FOR ELECTRICAL RISER DIAGRAM.
6. REFER TO SHEET E600 FOR ELECTRICAL SCHEDULES.
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KEYNOTES: (#)

1. NOT USED.
2. PROVIDE FLUSH WALL MOUNTED J-BOX FOR OWNER SUPPLIED SYSTEMS FURNITURE. MAKE POWER CONNECTION TO FURNITURE AS REQUIRED.
3. MOTORIZED SHADE POWER. PROVIDE ALL MATERIAL NECESARY FOR COMPLETE INSTALLATION PER MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS. PROVIDE CONDUIT AND WIRING TO CONTROL STATION.
4. MOTORIZED SHADE CONTROL STATION. FIELD VERIFY EXACT LOCATION WITH OWNER AND ARCHITECT.
5. PROVIDE DATA CABLING AND SIZE CONDUIT(S) FROM FLUSH FLOOR COMBINATION POWER/DATA/AUDIO/VISUAL POKE-THROUGH TO NEAREST WALL AND STUB UP INTO ACCESSIBLE CEILING. ROUGH-IN AND CONNECT AS REQUIRED.
6. VAV BOX POWER SUPPLY CABINET LOCATED IN ELEC 3E-319.

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
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LEVEL 03 PLAN - POWER - AREA A

RELEASED FOR Construction 02/16/2023 Addendum #2 Permit Set Bidding Set Review Set

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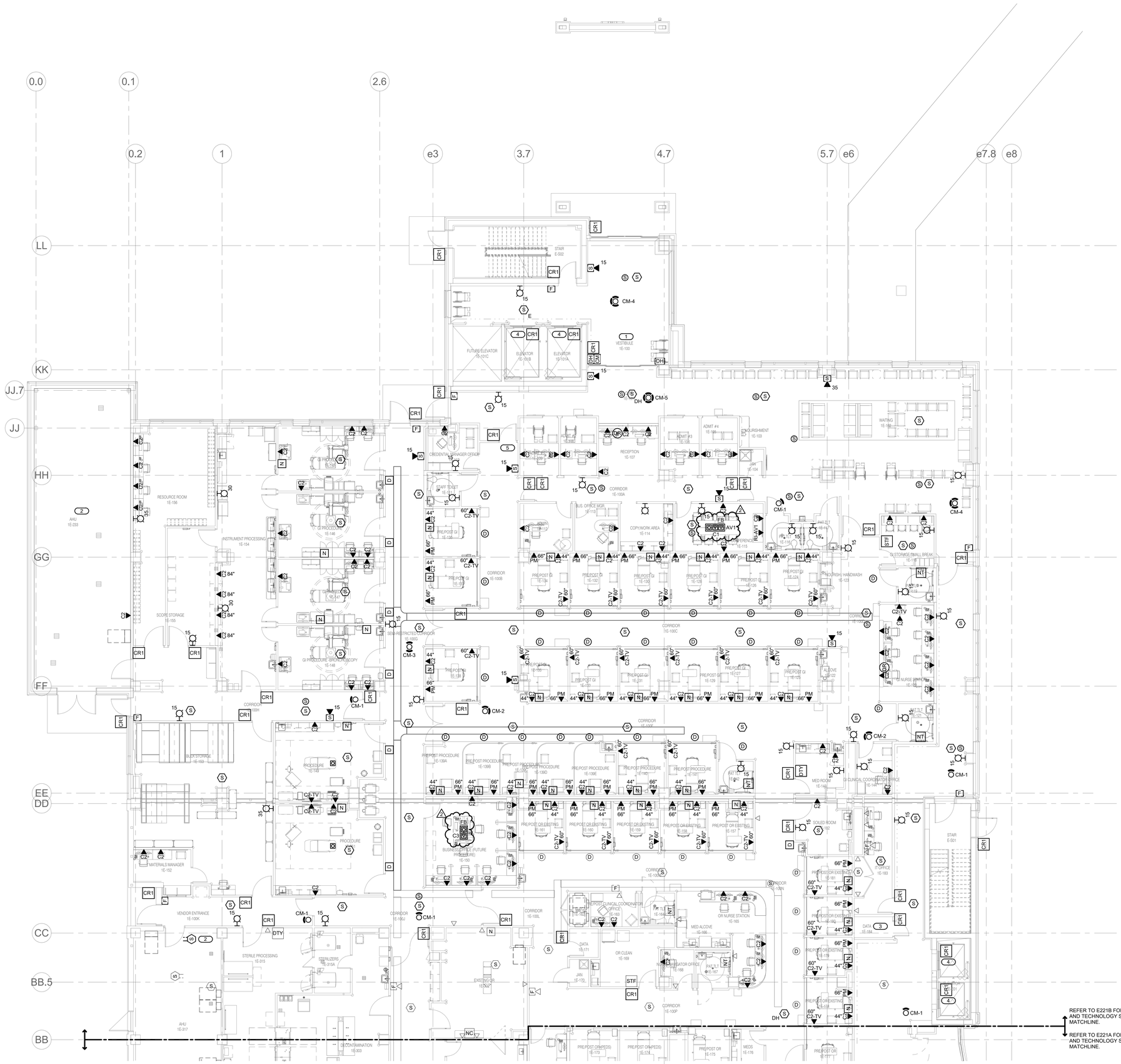
5. REFER TO SHEET E600 FOR ELECTRICAL SCHEDULES.
6. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS SHOWN ON PLANS.
7. SHEETS THAT SHOW TWO AREAS OF A FLOOR WILL CONTAIN OVERLAP OF SYMBOLS. REFER TO MATCHLINE FOR DIRECTIONS AS TO NOT DUPLICATE EQUIPMENT.

KEYNOTES: (#)

1. DOOR HOLDS TO BE POWERED VIA LOW VOLTAGE TRANSFORMER.
2. PROVIDE (1) DUCT SMOKE DETECTOR FOR EACH SUPPLY AND RETURN AIR BRANCHES THAT STEM FROM NEW AIR HANDLER UNIT.
3. EXISTING RACK AND IT EQUIPMENT SHALL BE RELOCATED TO NEW IT CLOSET. COORDINATE RELOCATION OF EQUIPMENT WITH OWNER AND REFER TO ARCHITECTS PHASING PLAN.
4. INSTALL CARD READER INSIDE ELEVATOR FOR FLOOR ACCESS. COORDINATE ACCESS REQUIREMENTS WITH OWNER.
5. DOOR HOLD RELEASE BUTTON LOCATED AT RECEPTION. BUTTON SERVES DOORWAY TO PRE/POST GI CORRIDOR.



NORTH

1 **LEVEL 01 PLAN - SYSTEMS - AREA A**
1/8" = 1'-0"

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BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	ZMB
Checked By	PLR

Revision

Number	Date	Description
2	2/10/23	Addendum 2

E221A

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LEVEL 01 PLAN - SYSTEMS - AREA A

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Summit, Missouri
01/16/2024

SHEET NOTES:

1. VERIFY DIMENSIONS FROM ARCHITECTURAL DRAWINGS AND PHYSICALLY AT SITE. READ ALL SPECIFICATIONS. REVIEW ALL DRAWINGS INCLUDING THOSE OF OTHER TRADES. ALL WORK SHALL BE COORDINATED WITH ALL TRADES ON THIS PROJECT.
2. REFER TO ELECTRICAL COVERSHEET E000 FOR SYMBOLS LIST, GENERAL ELECTRICAL NOTES AND ELECTRICAL INSTALLATION NOTES.
3. REFER TO SHEET E400 FOR ELECTRICAL DETAILS.
4. REFER TO SHEET E500 FOR ELECTRICAL RISER DIAGRAM.
5. REFER TO SHEET E600 FOR ELECTRICAL SCHEDULES.
6. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS SHOWN ON PLANS.
7. SHEETS THAT SHOW TWO AREAS OF A FLOOR WILL CONTAIN OVERLAP OF SYMBOLS. REFER TO MATCHLINE FOR DIRECTIONS AS TO NOT DUPLICATE EQUIPMENT.

KEYNOTES: (#)

1. REFER TO SHEET E221A FOR ELEVATOR CARD READER LOCATION AND ACCESS REQUIREMENTS.
2. DOOR HOLD RELEASE BUTTON LOCATED AT RECEPTION. BUTTON SERVES DOORWAYS TO EXAM AREAS.

SEE ENLARGED SYSTEMS PLAN FOR IT ROOM ON SHEET E312

REFER TO E222B FOR ALL SYSTEMS AND TECHNOLOGY SYMBOLS ABOVE MATCHLINE

REFER TO E222A FOR ALL SYSTEMS AND TECHNOLOGY SYMBOLS BELOW MATCHLINE

1 LEVEL 02 PLAN - SYSTEMS - AREA A

1/8" = 1'-0"

NORTH

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

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LEVEL 02 PLAN - SYSTEMS - AREA A

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SHEET NOTES:

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3. REFER TO SHEET E400 FOR ELECTRICAL DETAILS.
4. REFER TO SHEET E500 FOR ELECTRICAL RISER DIAGRAM.
5. REFER TO SHEET E600 FOR ELECTRICAL SCHEDULES.
6. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS SHOWN ON PLANS.
7. SHEETS THAT SHOW TWO AREAS OF A FLOOR WILL CONTAIN OVERLAP OF SYMBOLS. REFER TO MATCHLINE FOR DIRECTIONS AS TO NOT DUPLICATE EQUIPMENT.

KEYNOTES: (#)

1. FURNISH AND INSTALL MASTER STATION FOR CALL LIGHT SYSTEM. COORDINATE WITH OWNER FOR BUTTON QUANITITY.
2. FURNISH EXPEDITOR CALL LIGHT ANNUCIATOR BOX. BOX SHALL BE MOUNTED BELOW FIRE RETARDANT PLYWOOD.
3. 3/4" FIRE RETARDANT PLYWOOD, INSTALL AT 3'-6" AFF TO 7'-6" AFF, PAINT WITH TWO COATS TO MATCH ROOM. LEAVE FIRE RATING SEALS UNPAINTED.

1 LEVEL 02 PLAN - SYSTEMS - AREA B

1/8" = 1'-0"

NORTH

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SUITE 300
KANSAS CITY, MO 64108
P: 816.842.8437
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BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
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100 NE Saint Luke's Blvd
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CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
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Revision

Number	Date	Description

E222B

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LEVEL 02 PLAN - SYSTEMS - AREA B

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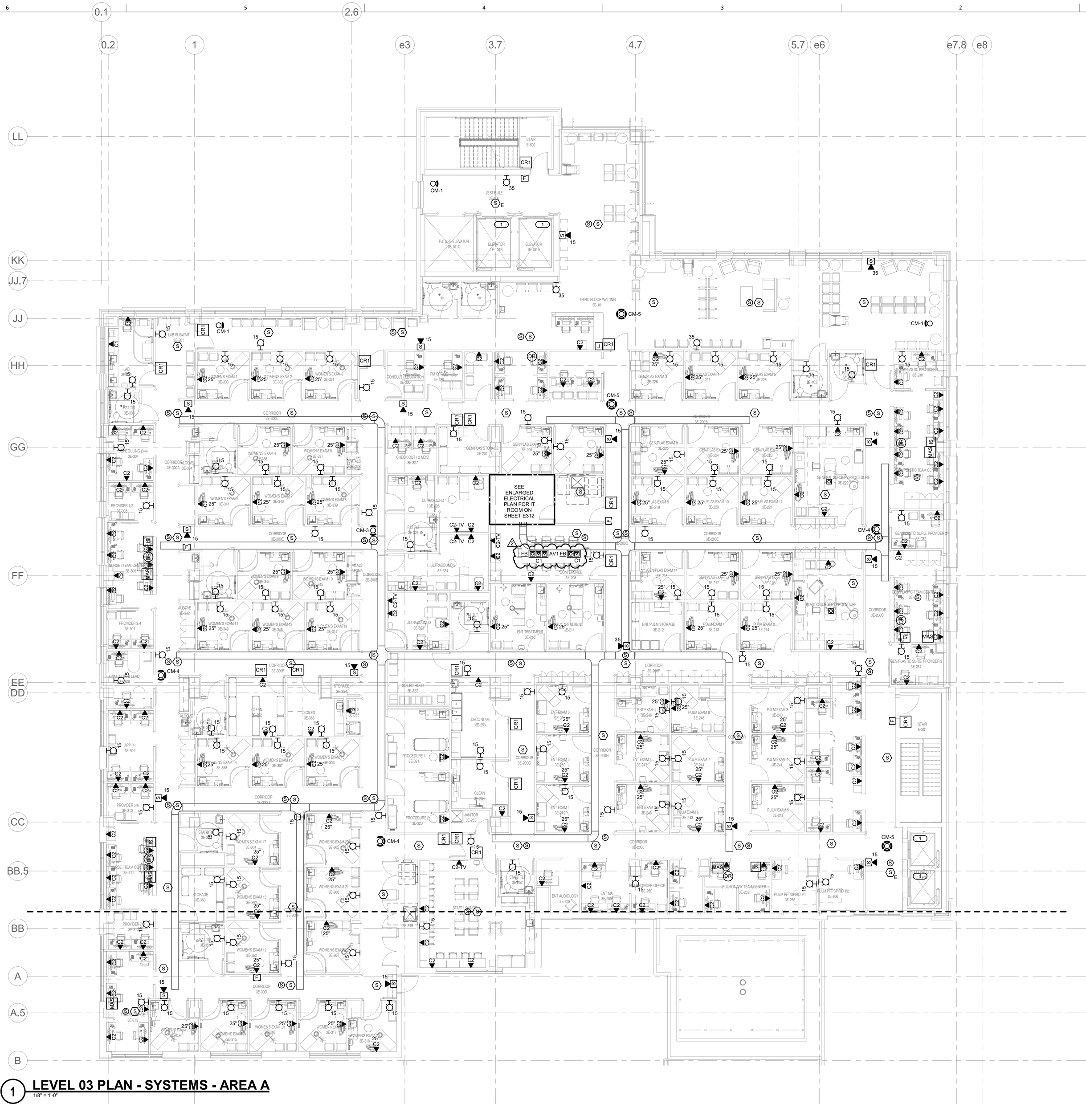

SHEET NOTES:

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2. REFER TO ELECTRICAL COVERSHEET E000 FOR SYMBOLS LIST, GENERAL ELECTRICAL NOTES AND ELECTRICAL INSTALLATION NOTES.
3. REFER TO SHEET E400 FOR ELECTRICAL DETAILS.
4. REFER TO SHEET E500 FOR ELECTRICAL RISER DIAGRAM.
5. REFER TO SHEET E600 FOR ELECTRICAL SCHEDULES.
6. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS SHOWN ON PLANS.
7. SHEETS THAT SHOW TWO AREAS OF A FLOOR WILL CONTAIN OVERLAP OF SYMBOLS. REFER TO MATCHLINE FOR DIRECTIONS AS TO NOT DUPLICATE EQUIPMENT.
8. ALL CABLE TRAY SHOWN TO BE 18"Wx4"D WIRE MESH TYPE CABLE TRAY ABOVE CEILING.

KEYNOTES: (#)

1. REFER TO SHEET E2211A FOR ELEVATOR CARD READER LOCATION AND ACCESS REQUIREMENTS.

1 LEVEL 03 PLAN - SYSTEMS - AREA A

1/8" = 1'-0"

NORTH

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
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EAST HOSPITAL
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100 NE Saint Luke's Blvd
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CONSTRUCTION DOCUMENTS

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E223A

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LEVEL 03 PLAN - SYSTEMS - AREA A

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SHEET NOTES:

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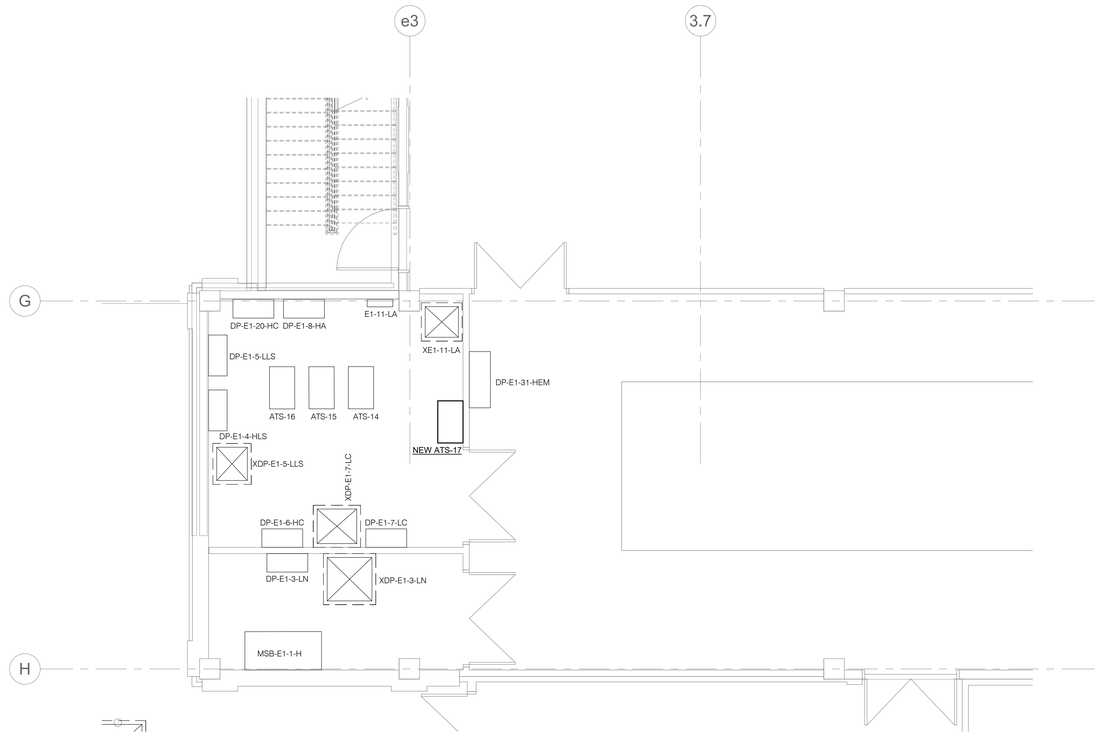
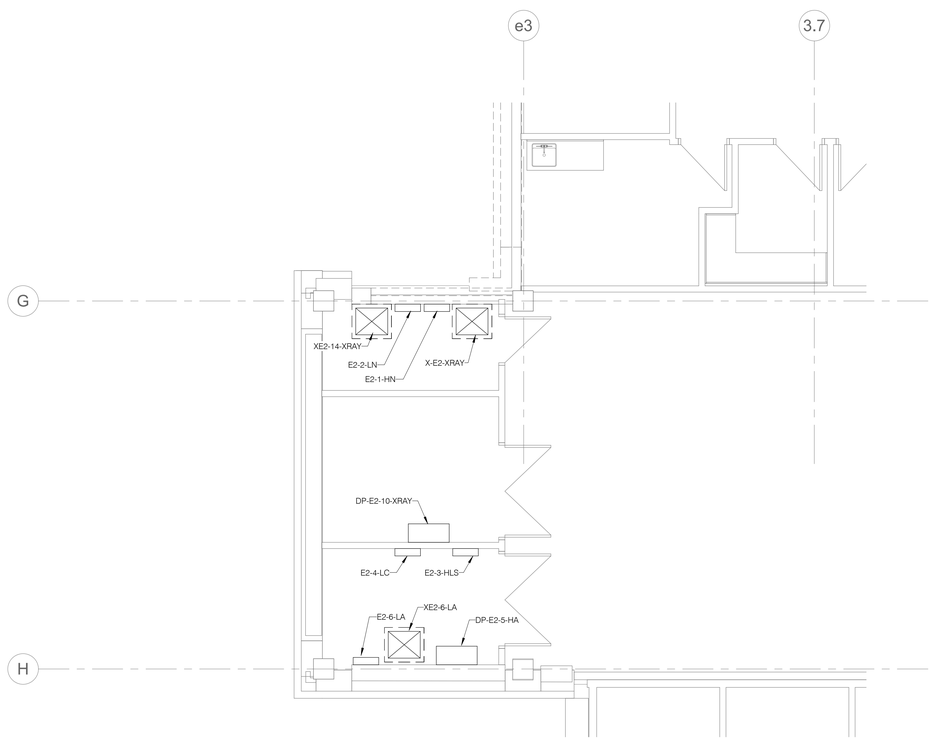
2. REFER TO ELECTRICAL COVERSHEET E000 FOR SYMBOLS LIST, GENERAL ELECTRICAL NOTES AND ELECTRICAL INSTALLATION NOTES.
3. REFER TO SHEET E400 FOR ELECTRICAL DETAILS.
4. REFER TO SHEET E500 FOR ELECTRICAL ONE LINE DIAGRAM.
5. REFER TO SHEET E600 FOR ELECTRICAL SCHEDULES.
6. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS SHOWN ON PLANS.



1 LEVEL 01 PLAN - ELECTRICAL - ENLARGED MECHANICAL ROOM

1/4" = 1'-0"



2 LEVEL 02 PLAN - ELECTRICAL - ENLARGED MECHANICAL ROOM

1/4" = 1'-0"

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As noted on drawings
Permanent Services Department
Summit, Missouri
1/16/2024

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER

1/16/2023

Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
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100 NE Saint Luke's Blvd
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1600 BALTIMORE
SUITE 300
KANSAS CITY, MO 64108
P: 816.842.8437
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PROJECT #21006783.00

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LEVEL 01 PLAN - ENLARGED MECHANICAL ROOM

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Saint Luke's Summit, Missouri
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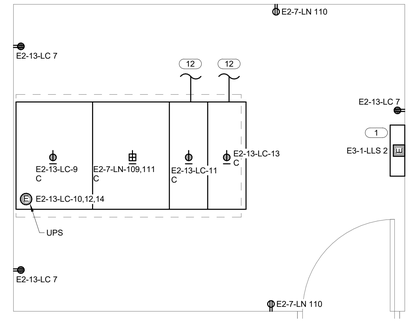
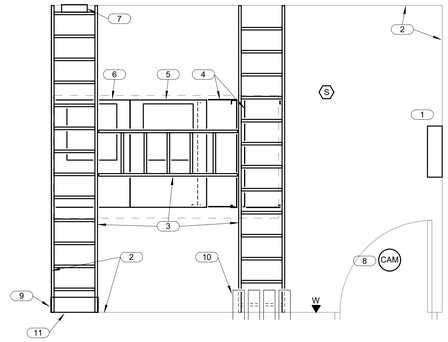
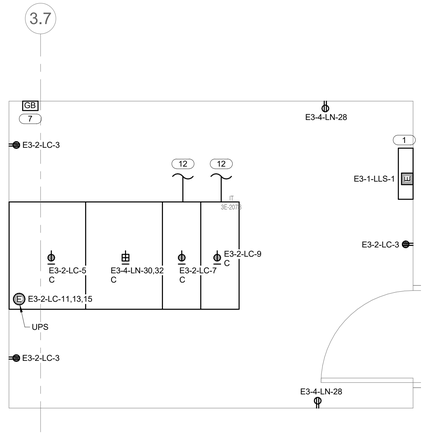


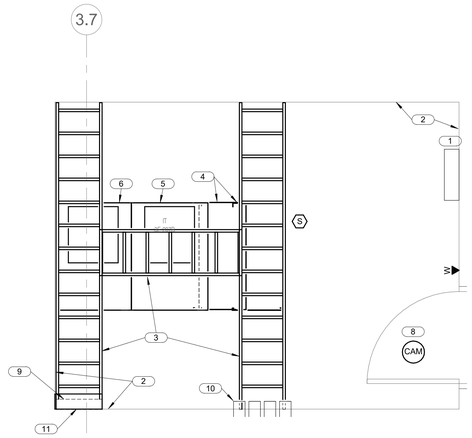
2 LEVEL 02 PLAN - IT ROOM - ENLARGED POWER PLAN
1/2" = 1'-0"



1 LEVEL 02 PLAN - IT ROOM - ENLARGED SYSTEM PLAN
1/2" = 1'-0"



3 LEVEL 03 - IT ROOM - ENLARGED POWER PLAN
1/2" = 1'-0"



4 LEVEL 03 - IT ROOM - ENLARGED SYSTEMS PLAN
1/2" = 1'-0"

SHEET NOTES:

1. REFER TO ELECTRICAL COVERSHEET E000 FOR SYMBOLS LIST, GENERAL ELECTRICAL NOTES AND ELECTRICAL INSTALLATION NOTES.
2. REFER TO RACK DETAIL 1/E402 FOR MORE INFORMATION.
3. REFER TO SHEET E403 FOR STRUCTURED CABLING ELEVATIONS AND DETAILS.
4. ALL CABINETS TO BE 42" APC NETSHELTER TYPE SX-42U CABINETS, UNLESS OTHERWISE NOTED, AS DISTRIBUTED BY ELECTRONIC SUPPLY COMPANY. COORDINATE EXACT LOCATIONS OF CABINETS WITH OWNER.
5. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL APC CABINETS, UPS, AND ALL APC PDU'S.
6. THE HORIZONTAL CROSS-CONNECT FOR DATA CIRCUITS SHALL CONSIST OF PATCH CORDS FROM PATCH PANELS TO THE NETWORK EQUIPMENT WITH THE SAME ADJACENT RACKS. THE HORIZONTAL CROSS-CONNECT SHALL BE AUGMENTED WITH HORIZONTAL MANAGEMENT HARDWARE, BY THE DATA/VOICE CONTRACTOR, AND UTILIZED INCLUDED/BUILT-IN VERTICAL MANAGEMENT HARDWARE, BOTH FRONT AND REAR TO PROPERLY DRESS HORIZONTAL CABLES AND PATCH CORDS. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
7. DATA/VOICE CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY PATCH CORDS WITHIN TELECOMMUNICATION ROOMS, EQUIPMENT ROOMS, AND WORKSTATION AREAS. CORDS SHOULD TYPICALLY BE 10'-0" FOR ALL WORKSTATION AREAS. PROVIDE VARIED LENGTHS OF DATA AND VOICE PATCH CORDS AT EQUIPMENT CABINETS TO MINIMIZE SLACK AND CABLE MANAGEMENT FILL. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
8. ELECTRICAL CONTRACTOR SHALL PROVIDE TELECOM GROUNDING BUSBAR (TGB), AND COORESPONDING BONDING CONNECTIONS TO ELECTRCAL PANEL, NEAREST BUILDING STEEL, APC CABINETS, AND LADDER RUNWAY.
9. SUBMIT SHOP DRAWINGS SHOWING THE LOCATION OF NEW OPENING/CORED HOLES ON THE FLOOR FOR REVIEW. DO NOT CORE ANY HOLES UNTIL SHOP DRAWINGS ARE REVIEWED AND APPROVED BY THE STRUCTURAL ENGINEER.
10. BEFORE CORE DRILLING ANY HOLES, LOCATE REBAR IN THE SLAB BY X-RAY OR WITH R-METER. IF REBAR IS 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 TO CORING/DRILLING. DO NOT CORE ANY HOLES THROUGH THE BEAM WITHOUT APPROVAL OF STRUCTURAL ENGINEER.

KEYNOTES: (#)

1. DOOR ACCESS CONTROL CABINET.
2. LINE WALL WITH 3/4" FIRE RETARDANT PLYWOOD, INSTALL AT 3'-6" AFF TO 7'-6" AFF, PAINT WITH TWO COATS TO MATCH ROOM. LEAVE FIRE RATING SEALS UNPAINTED.
3. 18" WIDE LADDER RUNWAY, MOUNT AT 7'-0" AFF AND ANCHOR TO WALL STRUCTURE AT MAXIMUM SPANS OF 8'-0". WHERE RUNWAY GOES OVER EQUIPMENT CABINETS, ANCHOR TO EACH CABINET USING MANUFACTURER RECOMMENDED HARDWARE.
4. IN-ROW DX COOLING UNIT.
5. NETWORK PATCH PANEL EQUIPMENT CABINET.
6. VOICE PATCH PANEL EQUIPMENT CABINET.
7. TELECOMMUNICATIONS GROUND BUSBAR (TGB). MOUNT AT 7'-0" AFF.
8. PROVIDE CAMERA WITH TEMPERATURE AND HUMIDITY MONITORING, AT 6'-10" AFF. WITH NETWORK CONNECTION WITHIN ROOM. COORDINATE EXACT LOCATION WITH OWNER IT. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
9. PROVIDE 18" WIDE LADDER RUNWAY VERTICALLY ANCHORED TO WALL, FROM 6" AFF UP TO 7'-0" AFF. COORDINATE LOCATION WITH EZ-PATH FLOOR ASSEMBLY.
10. FOUR (4) SERIES 44 EZ-PATH SLEEVES MOUNTE ABOVE CEILING, BY FIRESTOP CONTRACTOR.
11. PROVIDE 6"X18" OPENING IN FLOOR SLAB FOR ONE (1) EZ-PATH ASSEMBLY. ASSEMBLY TO BE FURNISHED AND INSTALLED BY FIRESTOP CONTRACTOR.
12. PROVIDE NEW WIRE AND CONDUIT THAT CONNECTS TO NEW CONDENSING UNITS ON ROOF. REFER TO SHEET M234A FOR MORE INFORMATION.

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
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SUITE 300
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P: 816.842.8437
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PROJECT #210006783.00

E312

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LEVEL 03 IT ROOM - ELECTRICAL

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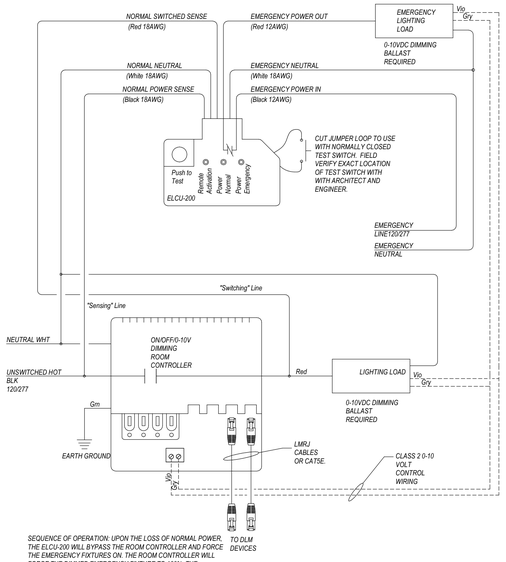
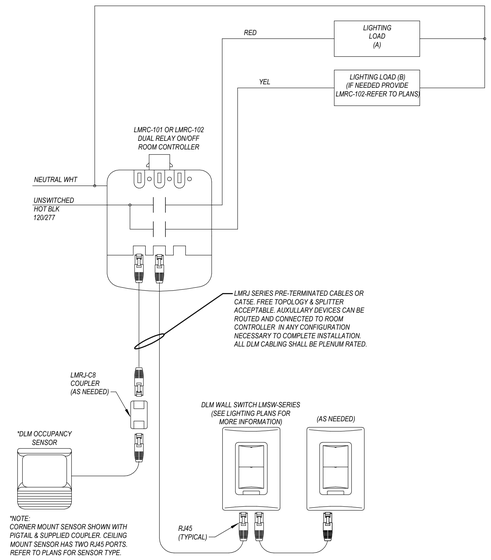


SEQUENCE OF OPERATION: UPON THE LOSS OF NORMAL POWER, THE ELCU-200 WILL BYPASS THE ROOM CONTROLLER AND FORCE THE EMERGENCY FIXTURES ON. THE ROOM CONTROLLER WILL FORCE THE DIMMED EMERGENCY FIXTURE TO 100%. THE ELCU-200 IS UL924 LISTED.

DETAIL OF LMRC UNIT, DRIVER, AND ELCU-200 EMERGENCY BYPASS UNIT

1 NO SCALE



LMRC-101

SEQUENCE OF OPERATION: IN THIS CONFIGURATION THE LMRC-101 DEFAULTS TO MANUAL-ON/AUTOMATIC OFF.

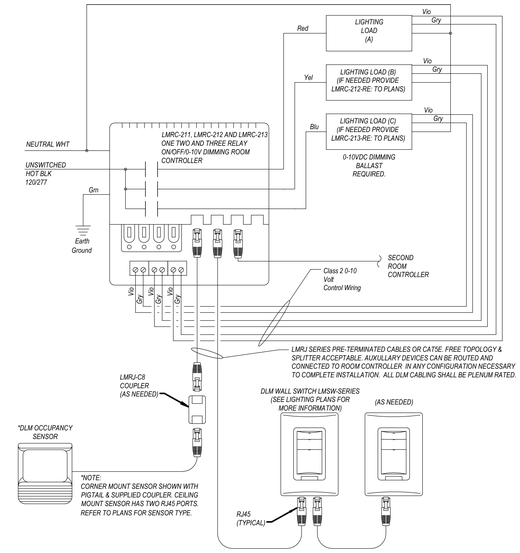
NOTE:
-FURNISH WITH TWO (2) LMCT-100 DIGITAL WIRELESS CONFIGURATION TOOLS.
-PROVIDE COMMISSIONING AND TRAINING FOR ALL INSTALLATIONS.
-PROVIDE ENGRAVING FOR BUTTONS ON ALL INSTALLATIONS.
-ALL SHIELDING FOR OCCUPANCY SENSORS SHALL BE TURNED OVER TO OWNER.

LMRC-102

SEQUENCE OF OPERATION: IN THIS CONFIGURATION THE LMRC-102 DEFAULTS TO MULTI-LEVEL AUTOMATIC-ON/AUTOMATIC OFF. LOAD (A) TURNS ON AUTOMATICALLY AND LOAD (B) DEFAULTS TO MANUAL-ON CONTROL; BOTH LOADS TURN AUTOMATICALLY OFF.

DETAIL OF LMRC-101 AND LMRC-102 ROOM CONTROLLER CABLING

2 NO SCALE



LMRC-211

SEQUENCE OF OPERATION: IN THIS CONFIGURATION THE LMRC-211 DEFAULTS TO MANUAL-ON/AUTOMATIC OFF.

LMRC-212

SEQUENCE OF OPERATION: IN THIS CONFIGURATION THE LMRC-212 DEFAULTS TO MULTI-LEVEL AUTOMATIC-ON/AUTOMATIC OFF. LOAD (A) TURNS ON AUTOMATICALLY AND LOAD (B) DEFAULTS TO MANUAL-ON CONTROL; BOTH LOADS TURN AUTOMATICALLY OFF.

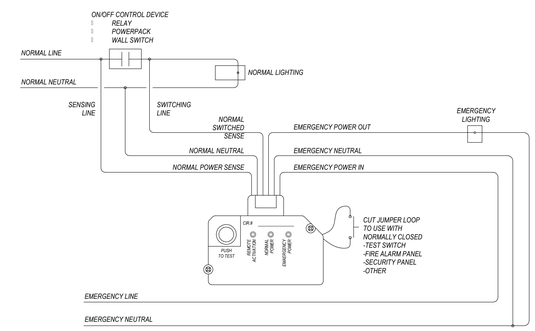
LMRC-213

IN THIS CONFIGURATION THE LMRC-213 SEQUENCE OF OPERATION: DEFAULTS TO MULTI-LEVEL AUTOMATIC-ON/AUTOMATIC-OFF OPERATION. LOAD (A) ON THE LMRC-213 TURNS ON AUTOMATICALLY. WHILE LOAD (B) AND (C) DEFAULTS ENHANCED ROOM TO MANUAL-ON CONTROL; ALL RELAYS TURN OFF AUTOMATICALLY.

NOTE:
-FURNISH WITH TWO (2) LMCT-100 DIGITAL WIRELESS CONFIGURATION TOOLS.
-PROVIDE COMMISSIONING AND TRAINING FOR ALL INSTALLATIONS.
-PROVIDE ENGRAVING FOR BUTTONS ON ALL INSTALLATIONS.
-ALL SHIELDING FOR OCCUPANCY SENSORS SHALL BE TURNED OVER TO OWNER.

Lighting Control System Detail - LMRC 200 Series

3 NO SCALE



DETAIL OF AUTOMATIC LIGHTING CONTROL RELAY - NORMAL AND EMERGENCY SWITCHED TOGETHER

4 NO SCALE

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STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023

Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
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EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
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CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	ZMB
Checked By	PLR

Revision

Number	Date	Description

E400

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ELECTRICAL LIGHTING DETAILS

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SUITE 300
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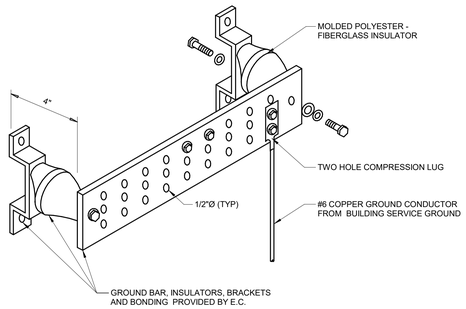
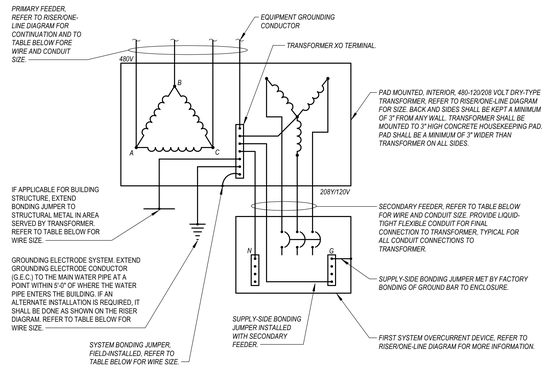


NOTES:

1. MOUNT BAR AT +6'-6" A.F.F.
2. STANDOFF INSULATORS MUST BE PROVIDED WHEN ZONING THE BAR.

1 GROUND BAR (GB) AND INTERSYSTEM BONDING TERMINAL (IBT) DETAIL

NO SCALE



TRANSFORMER SIZE (kVA)	PRIMARY O.C. (AMPS) [1]	PRIMARY FEEDER SIZE (WIRE, EQUIPMENT GROUND WIRE, CONDUIT) [2]	SECONDARY O.C. (AMPS) [3]	SECONDARY FEEDER SIZE (WIRE, SUPPLY-SIDE BOND'G JUMPER, CONDUIT)	GROUNDING ELECTRODE CONDUCTOR (G.E.C.) SIZE (WIRE, CONDUIT) [2]	SYSTEM AND STRUCTURAL METAL BOND'G JUMPER SIZE (WIRE, CONDUIT) [2]
15	25	3#10 W, 1#10 GND IN 3/4"C.	50	4#6 W, 1#6 GND IN 1"C.	#8 GND IN 3/4"C.	#8 GND IN 3/4"C.
30	50	3#6 W, 1#10 GND IN 1"C.	100	4#1 W, 1#6 GND IN 1-1/2"C.	#6 GND IN 3/4"C.	#6 GND IN 3/4"C.
45	70	3#4 W, 1#6 GND IN 1"C.	150	4#3/0 W, 1#6 GND IN 2"C.	#6 GND IN 3/4"C.	#6 GND IN 3/4"C.
75	125	3#1 W, 1#6 GND IN 1-1/2"C.	250	4#250 MCM W, 1#2 GND IN 2"C.	#2 GND IN 3/4"C.	#2 GND IN 3/4"C.
112.5	175	3#3/0 W, 1#6 GND IN 2"C.	400	2 SETS OF: 4# 3/0 W, 1#4 GND IN 2"C.	#1/0 GND IN 3/4"C.	#1/0 GND IN 3/4"C.
150	225	3#4/0 W, 1#4 GND IN 2"C.	500	2 SETS OF: 4#250 MCM W, 1#2 GND IN 2"C.	#1/0 GND IN 3/4"C.	#1/0 GND IN 3/4"C.
225	350	3#350 MCM W, 1#2 GND IN 4"C.	800	3 SETS OF: 4#250 MCM W, 1#2 GND IN 2"C.	#2/0 GND IN 3/4"C.	#2/0 GND IN 3/4"C.
300	450	2 SETS OF: 3#4/0 W, 1#2 GND IN 3 1/2"C.	1000	3 SETS OF: 4#350 MCM W, 1#1/0 GND IN 4"C.	#3/0 GND IN 3/4"C.	#4/0 GND IN 3/4"C.
500	700	3 SETS OF: 3#500 MCM W, 1#1/0 GND IN 4"C.	1600	5 SETS OF: 4#350 MCM W, 1#1/0 GND IN 4"C.	#3/0 GND IN 3/4"C.	#350 MCM GND IN 1"C.

TABLE NOTES:
1. *REFER TO RISER DIAGRAM FOR LOCATION OF THE PRIMARY OVER-CURRENT PROTECTION DEVICE.*
2. *MINIMUM WIRE, GROUND WIRE AND CONDUIT SIZES. LARGER SIZES, IF REQUIRED, SHALL BE NOTED ON RISER DIAGRAM.*
3. *THE SECONDARY OVER-CURRENT PROTECTION DEVICE SHALL BE LOCATED WITHIN 10'-0" OF THE TRANSFORMER PER THE NEC.*

2 480-120 208 VOLT TRANSFORMER INSTALLATION

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SUITE 300
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PROJECT #210067783.00

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01/16/2024

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ELECTRICAL DETAILS

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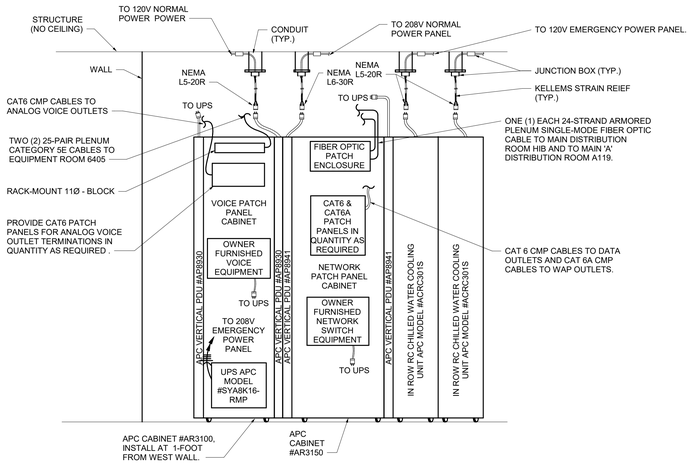

1 I.T. ROOM ELEVATION

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EAST HOSPITAL
ASC EXPANSION & RENOVATION
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PROJECT #210067830.00

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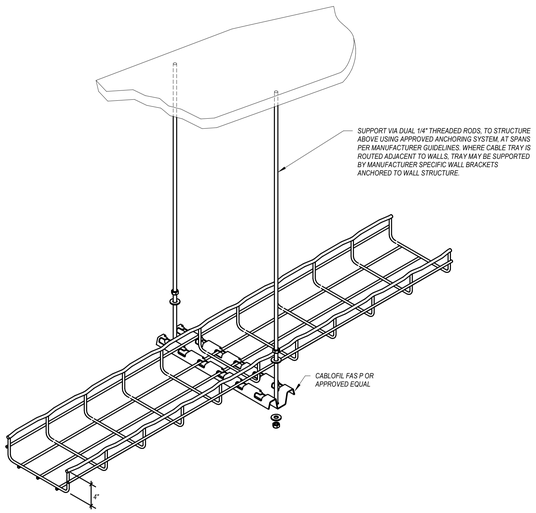

1 DETAIL OF CABLE TRAY SUPPORT
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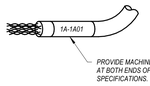

2 CABLE LABELING DETAIL
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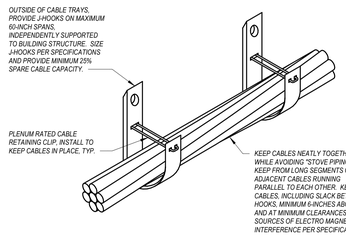

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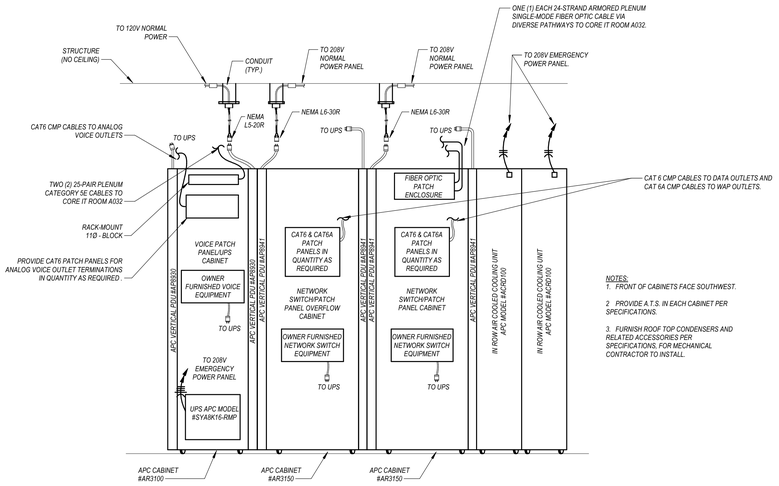
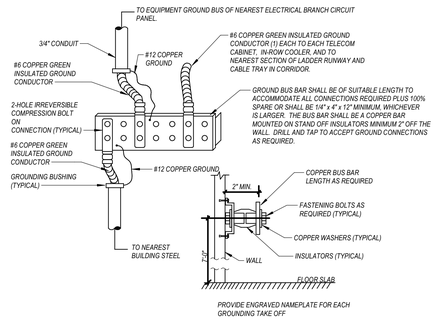


NOTES:
1. FRONT OF CABINETS FACE SOUTHWEST.
2. PROVIDE A.T.S. IN EACH CABINET PER SPECIFICATIONS.
3. FURNISH ROOF TOP CONDENSERS AND RELATED ACCESSORIES PER SPECIFICATIONS, FOR MECHANICAL CONTRACTOR TO INSTALL.

4 I.T. ROOM ELEVATION
NO SCALE



5 TELECOMMUNICATION GROUND BUSBAR (TGB)
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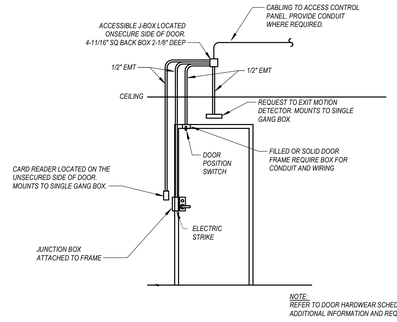

NOTE:
REFER TO DOOR HARDWEAR SCHEDULE FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

6 DETAIL OF TYPICAL ACCESS CONTROL DOOR WITH ELECTRIC STRIKE
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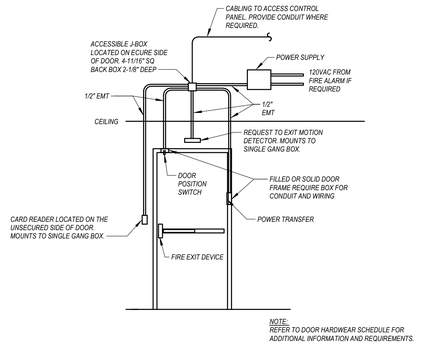

NOTE:
REFER TO DOOR HARDWEAR SCHEDULE FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

7 DETAIL OF TYPICAL ACCESS CONTROL DOOR WITH FIRE EXIT DEVICE
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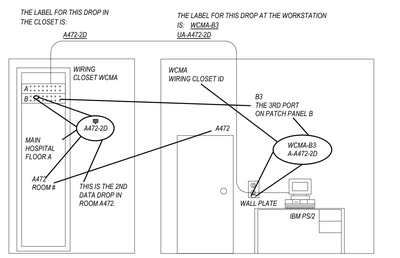
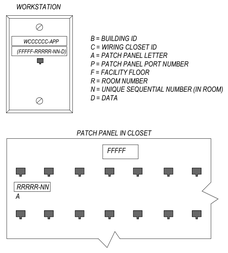


WORKSTATION
THE WORKSTATION LABEL WILL BE BASED ON THE LOCATION OF THE DESTINATION IN THE WIRING CLOSET. THE LABEL WILL BE PREFIXED WITH THE WIRING CLOSET IDENTIFICATION. THIS IDENTIFICATION IS CROSS REFERENCED IN AN ATTACHED DOCUMENT. A DASH WILL SEPARATE THE PREFIX FROM THE SUFFIX. THE SUFFIX WILL CONSIST OF THE DESTINATION PATCH PANEL LETTER. THE PATCH PANEL LETTER IS DETERMINED BY A LABEL ON THE PATCH PANEL IN THE WIRING CLOSET. THE REMAINDER OF THE SUFFIX WILL CORRESPOND WITH THE PORT NUMBER ON THE PATCH PANEL IN THE WIRING CLOSET.

WIRING CLOSET
THE WIRING CLOSET LABEL WILL BE BASED ON THE LOCATION OF THE DESTINATION ROOM. THE LABEL WILL BE PREFIXED WITH THE ROOM NUMBER. A DASH WILL SEPARATE THE PREFIX FROM THE SUFFIX. THE SUFFIX IS DETERMINED BY THE NUMBER OF DROPS IN THE ROOM. THIS NUMBER IS CONVERTED INTO AN ALPHABETIC REPRESENTATION I.E. A=1, B=2 AND C=3.



8 TYPICAL SLHS DATA CABLE LABELING STANDARD
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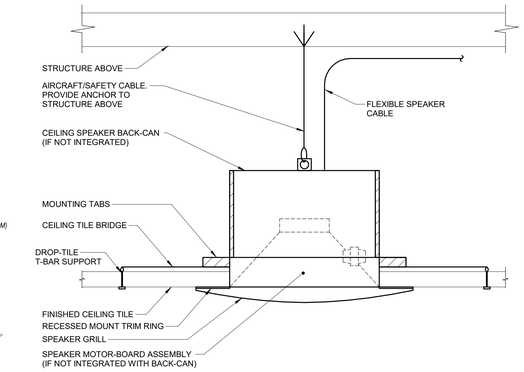
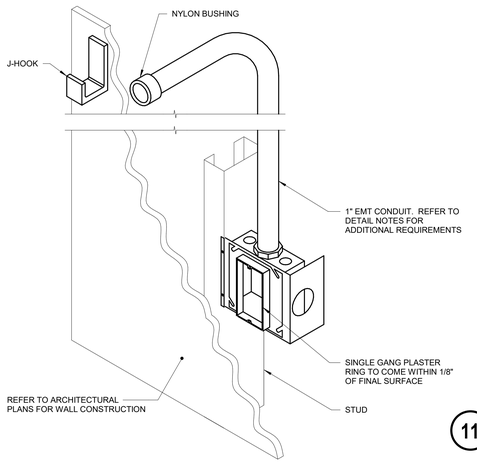


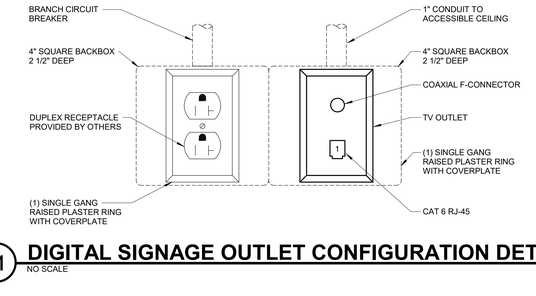
NOTES:
1. WHERE SUPPORTS ATTACH TO METAL ROOF DECKING, EXCLUDING CONCRETE ON METAL DECKING, DO NOT EXCEED 25 LBS. PER HANGAR AND A MINIMUM SPACING OF 2'-0" ON CENTER. THIS 25 LB. LOAD AND 2'-0" SPACING INCLUDE ELECTRICAL AND MECHANICAL ITEMS HANGING FROM DECK. IF THE HANGER RESTRICTIONS CANNOT BE ACHIEVED, THE ADDITION OF SUPPLEMENTAL FRAMING OFF STEEL FRAMING WILL BE REQUIRED.

9 CEILING SPEAKER MOUNTING DETAIL
NO SCALE



NOTES:
1. 3/4" EMT CONDUIT SHALL STUB UP TO CEILING, OR BOTTOM OF DECK AS APPROPRIATE, AND TERMINATE ORIENTED HORIZONTALLY AT THE HEIGHT OF THE ASSOCIATED CONDUIT OR J-HOOK ROUTE. CONDUIT RUN SHALL NOT CONTAIN MORE THAN 180 DEGREES OF BEND BETWEEN ACCESSIBLE JUNCTION BOXES OR BETWEEN JUNCTION BOX AND END OF CONDUIT.
2. WHERE CONDUIT STUB IS LOCATED IN A ROOM WITH AN ACCESSIBLE CEILING AND IS NOT REQUIRED TO RUN TO CABLE ROUTE LOCATED OUTSIDE THE ROOM, STUB MUST TERMINATE ABOVE THE ACCESSIBLE CEILING WITH A 90-DEGREE BEND AT THE TOP ORIENTED IN TO THE ROOM AT THE HEIGHT OF THE ASSOCIATED CABLE TRAY OR J-HOOK ROUTE IN THE ROOM.
3. ALL STUBS MUST BE FITTED WITH A NYLON BUSHING ON EACH END OF THE CONDUIT.
4. INSTALLING CONTRACTOR SHALL FURNISH AND INSTALL PULL STRINGS AND FIRESTOP MATERIALS FOR TECHNOLOGY ROUGH-INS PER PROJECT REQUIREMENTS. REFER TO SPECIFICATIONS FOR FIRESTOP REQUIREMENTS.

10 TECHNOLOGY ROUGH-IN MOUNTING DETAIL
NO SCALE



11 DIGITAL SIGNAGE OUTLET CONFIGURATION DETAIL
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1/16/2023
Bruce E. Hart - Engineer
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ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
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Checked By	PLR

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ELECTRICAL SYSTEMS DETAILS

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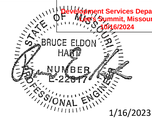

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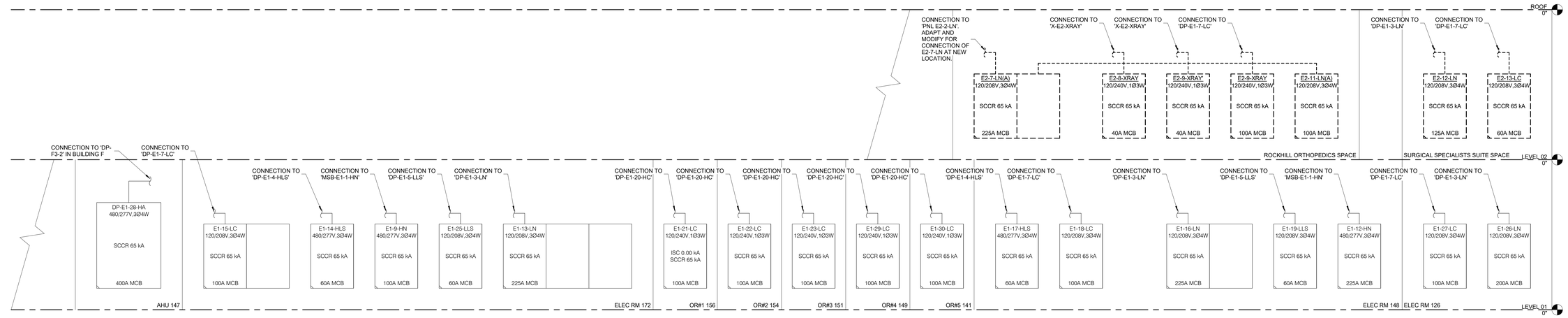

1 DEMO ELECTRICAL RISER DIAGRAM CONTINUED

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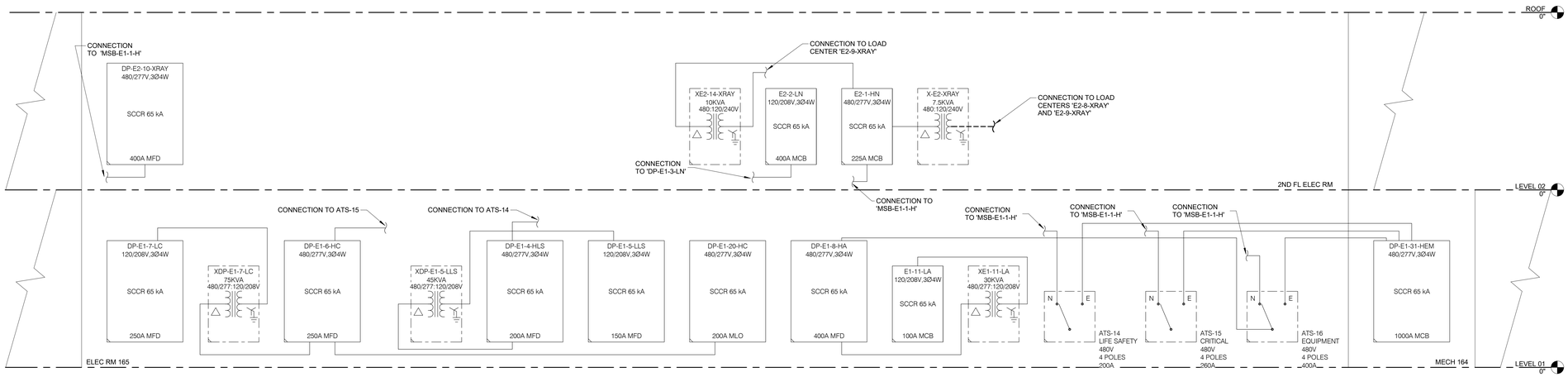

2 DEMO ELECTRICAL RISER DIAGRAM - EMERGENCY POWER ELECTRICAL ROOM

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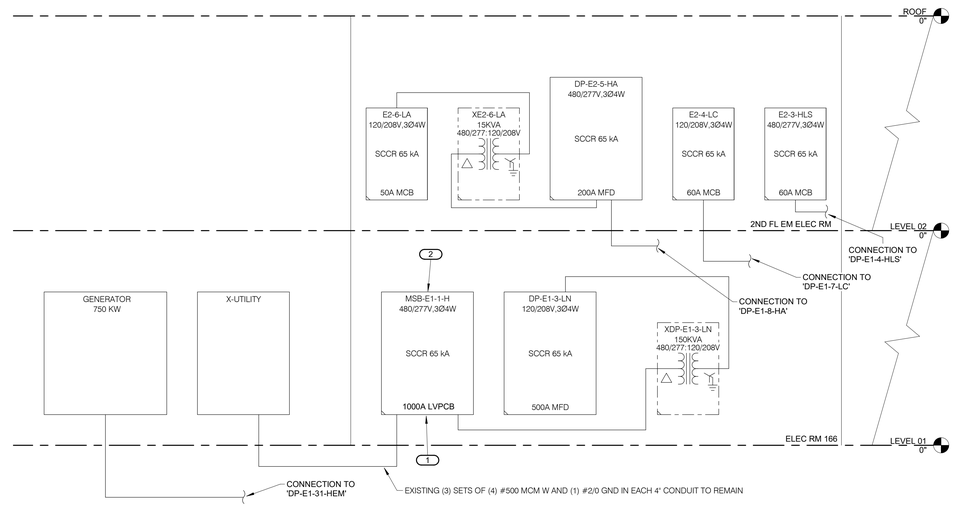

3 DEMO ELECTRICAL RISER DIAGRAM - NORMAL POWER ELECTRICAL ROOM

NO SCALE

KEYNOTES: (#)

1. AS PART OF BASE BID, REMOVE EXISTING 1000A TRIP SENSOR PLUG FROM EXISTING 1200A FRAME MAIN CIRCUIT BREAKER OF EXISTING 1200A BUSSED MAIN SWITCHBOARD.
2. AS AN ALTERNATE BID, DISCONNECT AND REMOVE EXISTING SWITCHBOARD TO ALLOW FOR INSTALLATION OF NEW LARGER SWITCHBOARD.

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Date	01/16/2023
Job Number	3-21037
Drawn By	ZMB
Checked By	PLR

Revision

Number	Date	Description

E500

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ELECTRICAL DEMO RISER

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/MEP21_21006783.00_SLH-East ASC Addition_C.rvt
1/16/2023 7:21:28 PM

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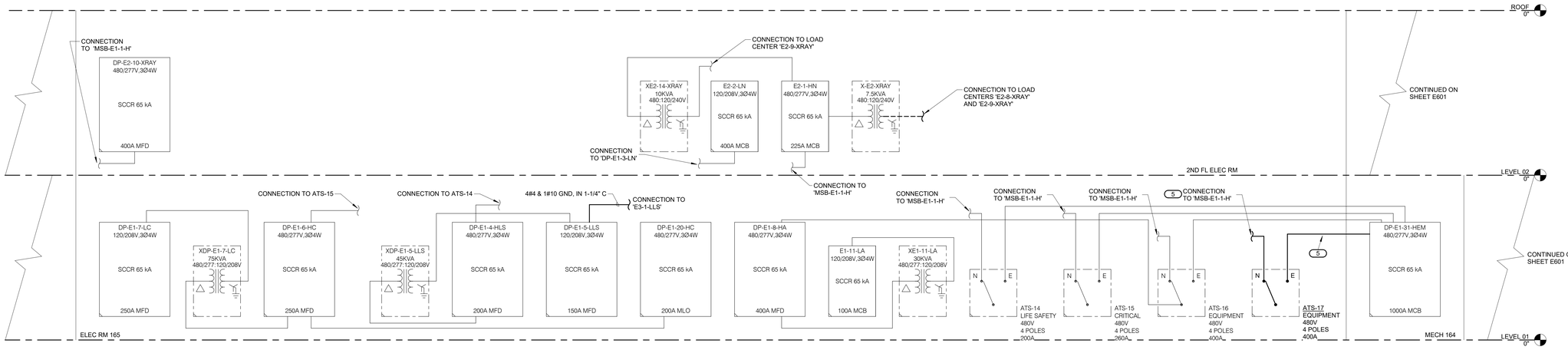
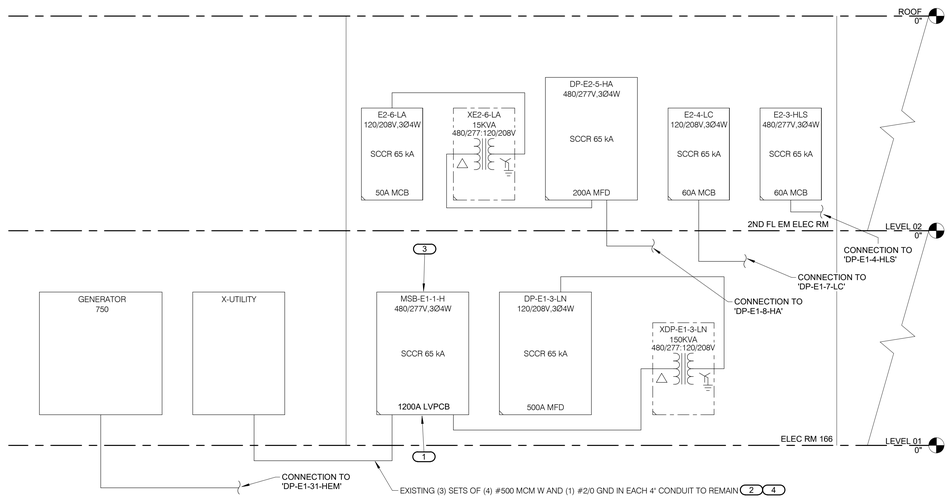
KEYNOTES: (#)

1. PROVIDE NEW 1200A TRIP SENSOR PLUG WITHIN EXISTING 1200A FFRAME MAIN CIRCUIT BREAKER OF EXISTING 1200A BUSSED MAIN SWITCHBOARD.
2. FURNISH AND INSTALL A FOURTH SET OF PARALLED CONDUCTORS FROM UTILITY TRANSFORMER TO MAIN SWITCHBOARD. THE FOURTH SET SHALL MATCH THE SIZE OF THE EXISTING THREE SETS.
3. AS AN ALTERNATE BID, FURNISH AND INSTALL A NEW 1600A MAIN SWITCHBOARD WITH A 1600A MAIN CIRCUIT BREAKER. FURNISH WITH BRANCH CIRCUIT BREAKERS OF QUANTITY AND SIZE TO MATCH EXISTING AND TO RE-FEED ALL EXISTING LOADS CURRENTLY SERVED BY SWITCHBOARD.
4. AS AN ALTERNATE BID, FURNISH AND INSTALL A FIFTH SET OF PARALLED CONDUCTORS FROM UTILITY TRANSFORMER TO NEW MAIN SWITCHBOARD. THE FIFTH SET SHALL MATCH THE SIZE OF THE EXISTING THREE SETS.
5. PROVIDE 4#500 & 1#3 GND, IN 3" C TO NEW 400A BRANCH CIRCUIT BREAKER IN INDICATED PANEL. NEW BREAKER SHALL BE INSTALLED IN EXISTING SPACE OF PANEL, SHALL BE ELECTRONIC TRIP, AND MATCH SHORT-CIRCUIT RATING AND TYPE OF EXISTING BREKAERS.



1 NEW ELECTRICAL RISER DIAGRAM - EMERGENCY POWER ELECTRICAL ROOM

NO SCALE



2 NEW ELECTRICAL RISER DIAGRAM - NORMAL POWER ELECTRICAL ROOM

NO SCALE

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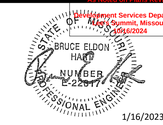
01/16/2024



1/16/2023

Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

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IMEG
1600 BALTIMORE
SUITE 300
KANSAS CITY, MO 64108
P: 816.842.9437
www.imegcorp.com

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ELECTRICAL NEW RISER

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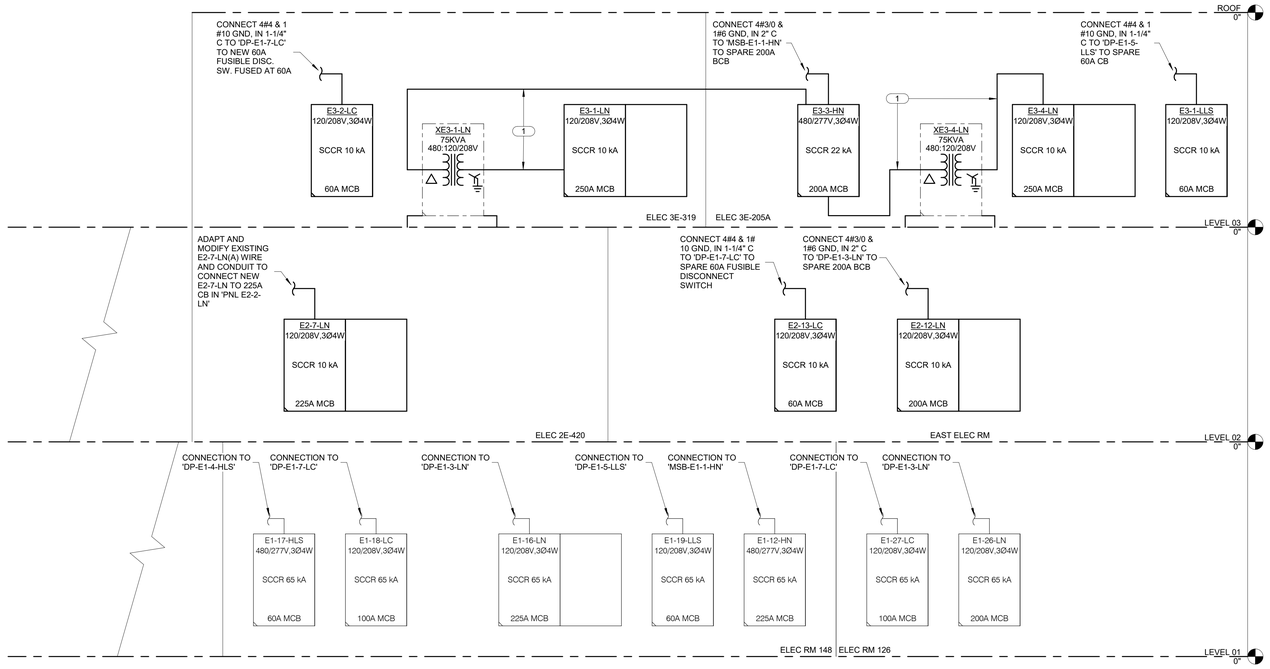
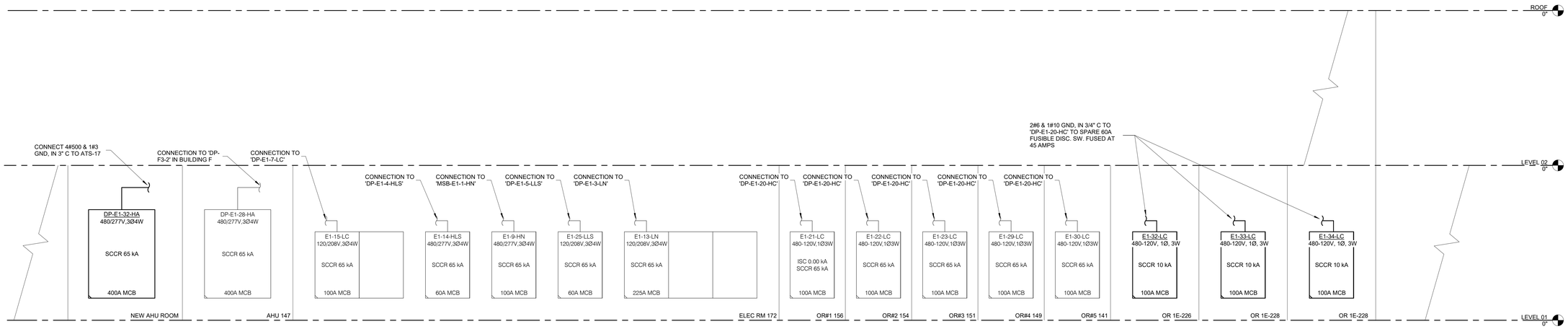


1 NEW ELECTRICAL RISER DIAGRAM CONTINUED

NO SCALE



2 NEW ELECTRICAL RISER DIAGRAM CONTINUED

NO SCALE

KEYNOTES: (#)

1. REFER TO TRANSFORMER WIRING DETAIL 2/E401 FOR WIRE SIZE, CONDUIT SIZE, AND MORE INFORMATION.

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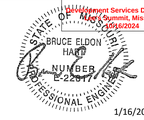
01/16/2024



1/16/2023

Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
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Saint Luke's
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100 NE Saint Luke's Blvd
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IMEG
1600 BALTIMORE SUITE 300 KANSAS CITY, MO 64108 P: 816.842.8437
www.imegcorp.com

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REF. SCALE IN INCHES
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ELECTRICAL NEW RISER CONT.

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LED LUMINAIRE SCHEDULE

(DESC) DOOR:
FA - FLAT ALUMINUM
FS - FLAT STEEL
RA - REGRESSED ALUMINUM
RS - REGRESSED STEEL

FINISH:
PAF - PAINT AFTER FABRICATION
CFSA - COLOR-FINISH SELECTION BY ARCHITECT

DISTRIBUTION:
II - ANSI/IES TYPE 2 DISTRIBUTION
III - ANSI/IES TYPE 3 DISTRIBUTION
IV - ANSI/IES TYPE 4 DISTRIBUTION
V - ANSI/IES TYPE 5 DISTRIBUTION
A

BEAMWIDTH:
NSP - VERY NARROW SPOT
SP - SPOT
MD - MEDIUM
WD - WIDE
VWD - VERY WIDE
WW - WALL WASH

(L/L) LENS/LOUVER:
A - .125" ACRYLIC
B - BAFFLE/LOUVER
C - CLEAR ALZAK
F - FROSTED ACRYLIC
G - TEMPERED GLASS
K - KSH12 .125" ACRYLIC
K19 - KSH19 .156" ACRYLIC
M - MATTE DIFFUSE CLEAR
N - NONE
P - POLYCARBONATE
R - HIGH IMPACT DR ACRYLIC
SS - SEMI-SPECULAR CLEAR
O - OTHER (SEE DESCRIPTION)
[DESIGN SPECIFIC BLANKS]

(MTG) MOUNTING:
CL - CEILING SURFACE
CV - COVE
FR - FLANGED RECESSED
P - PERIMETER
PL - POLE
RE - RECESSED
SP - SUSPENDED
SU - SURFACE
UC - UNDER CABINET
WL - WALL
O - OTHER (SEE DESCRIPTION)

(WATT) PER: FIX - FIXTURE, FT - FOOT, LAMP

(TYPE) LED
LED - LIGHT EMITTING DIODE
TLED - TUBULAR LED LAMP
OLED - ORGANIC LED
DLED - DYNAMIC TUNABLE LED
RGB - COLOR CHANGING LED
RGBW - COLOR CHANGING + WHITE
RGBA - COLOR CHANGING + AMBER
RLED - RETROFIT LED
WLED - WARM DIM LED

(TYPE) DRIVER:
0-10V - 0-10V DIMMING
DALI - DIGITAL ADDRESSABLE
DMX - DIGITAL MULTIPLEX
EB - ELECTRONIC
ELV - ELECTRONIC LOW VOLTAGE
EM - EMERGENCY BATTERY
HL - HIGH/LOW (100%/50%) STEP DIM
LINE - LINE VOLTAGE DIMMING
ML - MULTI-LEVEL SWITCHING
MV - MULTI-VOLTAGE ELECTRONIC
REM - REMOTE
O - OTHER (SEE DESCRIPTION)

CATALOG NUMBER SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. THE COMPLETE DESCRIPTION AND THE SPECIFICATION SHALL BE COORDINATED WITH THE CATALOG NUMBER TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN.

VERIFY AND COORDINATE ALL CEILING TYPES WITH LUMINAIRE MOUNTING AND TRIM REQUIREMENTS PRIOR TO THE RELEASE OF THE LUMINAIRE ORDER.
CONFIRM ALL COLORS AND FINISHES OF ALL LUMINAIRE COMPONENTS WITH ARCHITECT AND INTERIOR DESIGNER PRIOR TO THE RELEASE OF THE LUMINAIRE ORDER.
UNLESS INDICATED ON LIGHTING PLANS OR BELOW, REFER TO ARCHITECTURAL AND INTERIOR DESIGN ELEVATIONS, SECTIONS AND DETAILS FOR ALL SUSPENDED AND WALL MOUNTED LUMINAIRE MOUNTING HEIGHTS.

REFER TO SPECIFICATIONS ADDITIONAL INFORMATION AND REQUIREMENTS.
INTERIOR CORRELATED COLOR TEMPERATURE 3500K, COLOR RENDERING INDEX (CRI) AT OR ABOVE 80, UNLESS NOTED OTHERWISE.
EXTERIOR CORRELATED COLOR TEMPERATURE 3000K, COLOR RENDERING INDEX (CRI) AT OR ABOVE 80, UNLESS NOTED OTHERWISE.

					DIMENSIONS				WATT		LED			DRIVER		
ITEM	DESCRIPTION	L/L	MTG	L	W	H	DIA.	ANSI WATTS	PER	TYPE	QTY	DELIVERED LUMENS (MIN)	VOLTS	TYPE	MANUFACTURER AND MODEL
A	2'x4' 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.	A	RE	4'-0"	2'-0"	4 1/2"		48 W	FIX	LED	1	5900 LUMENS, 3500K CCT, 80 CRI	120-277 V	0-10V	WILLIAMS 50 LED SERIES
A1	SAME AS TYPE "A" BUT A 2'x2' TROFFER FIXTURE.	A	RE	2'-0"	2'-0"	4 1/2"		45 W	FIX	LED	1	5900 LUMENS, 3500K CCT, 80 CRI	277 V	0-10V	WILLIAMS 50 LED SERIES
A8	2'x4' FLANGE MOUNT LED TROFFER FIXTURE FOR MOUNTING IN HARD CEILING. 0.125" PRISMATIC ACRYLIC LENS. SPRING LOADED CAM ACTION LATCHED. FIXTURE STEEL DOOR WITH MITERED CORNERS. ALL FIXTURE STEEL POST PAINTED BAKED WHITE ENAMEL.	A	RE	4'-0"	2'-0"	4 1/2"		48 W	FIX	LED	1	5900 LUMENS, 3500K CCT, 80 CRI	277 V	0-10V	WILLIAMS 50 LED SERIES
B	5.25" RECESSED LED SLOT FIXTURE FOR USE IN WOOD WORK CEILING. OPAL COVER, CONTINUOUS LENGTH OF WOOD PANEL.	O	RE	8'-0"	5 1/4"	2"		5 W	FT	LED	1	550 LUMENS PER FOOT, 3500K CCT	277 V	REM, 0-10V	XAL PANO SERIES
C	DIRECT SURGICAL TROFFER WITH SYMMETRIC ACRYLIC SHIELDING AND TRIPLE GASKETING. SPRING LOADED CAM ACTION LATCHES. WHITE ANTI-MICROBIAL FINISH. PROVIDE CUSTOM LUMEN PACKAGE.	O	RE	4'-0"	2'-0"	4 1/2"		114 W	FIX	LED	1	14,000 LUMENS, 3500K CCT, 80 CRI	120-277 V	0-10V	WILLIAMS MDS
D	6" APERATURE DOWNLIGHT FOR LED SOURCE. WIDE DISTRIBUTION. FURNISH WITH SATIN GLOW ACCENT CONE AND FLUSH LENS. FURNISH WITH ALL REQUIRED MOUNTING HARDWARE.	O	RE				6"	37 W	FIX	LED	1	3000 LUMENS, 3500K CCT, 80 CRI	120-277V	0-10V	WILLIAMS 6DR SERIES
E	EMERGENCY UNIT, TWO ADJUSTABLE HEADS, WHITE THERMOPLASTIC HOUSING, WET LOCATION.	O	WL	1'-2"	6"	4 9/16"		2 W	FIX	LED	1	LED	277 V	EM	WILLIAMS EMER/MRW
G	NOMINAL 4' STRIP FIXTURE FOR LED SOURCE. ALL FIXTURE STEEL POST PAINTED BAKED WHITE ENAMEL. FURNISH WITH 14 GA WIREGUARD. SUSPEND FIXTURE AT 8'-0" A.F.F.	O	SP	4'-0"	4"	6"		36 W	FIX	LED	1	5300 LUMENS, 3500K CCT, 80 CRI	120-277 V	EB	WILLIAMS 76 LED SERIES
H	COVE LIGHT, 1" WIDE LED RGBCT TAPELIGHT WITH STADARD BRIGHTNESS, 90 CRI, 3500K. PROVIDE NON-CONTINUOUS LENGTHS FROM 5FT TO 8FT AS NEEDED, COMPLETE ILLUMINATED COVERAGE. PROVIDE EXTRUDED MOUNTING CHANNEL WITH FROSTED ACRYLIC ROUND LENS AND MOUNTING HARDWARE.	O	CL		1"	2"		4 W	FT	RGBW	1	340 LUMENS/FT	277 V	DMX	KELVIX - RGBCT COLOR CHANGING SERIES
J	2'x4' 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. DLC LISTED. FURNISH WITH ALL HARDWARE AS REQUIRED FOR MOUNTING TYPE INDICATED.	O	RE	4'-0"	2'-0"	2 3/8"		25 W	FIX	LED	1	3000 LUMENS, 3500K CCT, 80 CRI	277 V	0-10V	WILLIAMS - PT SERIES
J1	SAME AS TYPE "J" BUT A 2'x2' TROFFER FIXTURE.	O	RE	2'-0"	2'-0"	2 3/8"		25 W	FIX	LED	1	3000 LUMENS, 3500K CCT, 80 CRI	277 V	0-10V	WILLIAMS - PT SERIES
K	ADA COMPLIANT WALL MOUNTED LIGHT FIXTURE. FLAT ACRYLIC LENS. PROVIDE OPTION LOWER LUMEN PACKAGE 1000 NOMINAL LUMENS PER FOOT.	O	WL	4'-0"	2 1/4"	4"		36 W	FIX	LED	1	1000 LUMENS PER FT, 3500K CCT, 80 CRI	277 V	EB	WILLIAMS WX2W SERIES
MB	2'x4' MULTI-FUNCTION PATIENT LIGHTING GRID MOUNT FIXTURE FOR 14800 LUMEN, 3500K, THREE FUNCTION LED PACKAGE AND AMBER NIGHT LIGHT. ALL FIXTURE STEEL POST PAINTED BAKED WHITE ENAMEL. OYSTER LINEN DIFFUSER. FURNISH WITH CONTROLLER TO ALLOW PATIENT CONTROL OF AMBIENT AND REDING LIGHT THRU PILLOW SPEAKER (FURNISHED BY NURSE CALL PROVIDER).	O	RE	4'-0"	2'-0"	4 1/2"		80 W	FIX	LED	1	3500 LUMENS, 3500K CCT, 80 CRI	120 V	EB	VISA LIGHTING UNITY SERIES LED
P	EXTERIOR DOWNLIGHT LED FIXTURE WITH 40 DEGREE OPTICS. EXTRUDED ALUMINUM HOUSING WITH TEMPERED GLASS LENS. FINISH TO BE SELECTED BY ARCHITECT. UL LISTED FOR WET LOCATIONS.	G	WL			1'-0"	6"	30 W	FIX	LED	1	858 LUMENS, 3000K CCT, 80 CRI	277 V	DMX	INSIGHT LIGHTING SCOPE LARGE SCONCE
P1	EXTERIOR RGB30 UPLIGHT LED FIXTURE WITH 40 DEGREE OPTICS. EXTRUDED ALUMINUM HOUSING WITH TEMPERED GLASS LENS. FINISH TO BE SELECTED BY ARCHITECT. UL LISTED FOR WET LOCATIONS.	G	WL			1'-0"	6"	30 W	FIX	RGB	1	858 LUMENS, 3000K CCT, 80 CRI	277 V	DMX	INSIGHT LIGHTING SCOPE LARGE SCONCE
P2	EXTERIOR RGB30 DOWNLIGHT LED FIXTURE WITH 40 DEGREE OPTICS. EXTRUDED ALUMINUM HOUSING WITH TEMPERED GLASS LENS. FINISH TO BE SELECTED BY ARCHITECT. UL LISTED FOR WET LOCATIONS.	G	WL			1'-0"	6"	30 W	FIX	RGB	1	858 LUMENS, 3000K CCT, 80 CRI	277 V	DMX	INSIGHT LIGHTING SCOPE LARGE SCONCE
R	THE PLANS AND INFORMATION SHOWN ARE REPRESENTATIVE OF OPTION A. THE INTENT IS FOR THE CONTRACTOR TO INCLUDE IN BID ALL LABOR AND MATERIALS FOR OPTION A. PRIOR TO PLACING FINAL ORDER FOR TYPE R LIGHT FIXTURES, COORDINATE OPTION A OR OPTION FIXTURE WITH THE ARCHITECT. OPTION A: 43" DIAMETER SLIM RING PENDANT FIXTURE FOR LED SOURCE. WHITE OPAL DIFFUSER. GESSO COLOR SHADE WITH WHITE DRESS PLATE FINISH. COORDINATE CEILING MOUNTING HARDWARE WITH ARCHITECT. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR STAINLESS STEEL CABLE LENGTHS. OPTION B: 4'-0" DIAMETER SLIM RING PENDANT FIXTURE FOR LED SOURCE. ACRYLIC DIFFUSER. WHITE FINISH. COORDINATE CEILING MOUNTING HARDWARE WITH ARCHITECT. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR CABLE LENGTHS.	O	SP			2 1/2"	3'-7"	50 W	FIX	LED	1	OPTION A: 4174 LUMENS OPTION B: 3,824 LUMENS	277 V	0-10V	OPTION A: LIGHT ART SLIM RING SERIES OPTION B: DELRAY UNO IO CIRCLES SERIES
T	6" APERATURE SQUARE DOWNLIGHT FOR LED SOURCE. COORDINATE FINISHES WITH ARCHITECT.	O	RE	6"	6"	0"		48 W	FIX	LED	1	4000 LUMENS, 3000K, 90 CRI	277 V	0-10V	PORTFOLIO LDSSQ6C SERIES
X	LED LIT EXIT SIGN. WHITE HOUSING WITH RED LETTERING. FURNISH WITH NECESSARY MOUNTING HARDWARE FOR CEILING OR WALL MOUNTING AND CONFIGURE FACES AND ARROWS AS SHOWN ON PLANS.	O	O		2"			5 W	FIX	LED	1	INTEGRAL LED	277 V	EB	WILLIAMS EXIT SERIES
Y	FROSTED CYLINDER OVER WHITE GLASS WITH A SATIN NICKEL FINISH PENDANT MOUNTED FIXTURE FOR LED SOURCE.	O	SP			9"	3"	5 W	FIX	LED	1	258 LUMENS, 3000K CCT, 90 CRI	277 V	ELV	TECH LIGHTING HORIZON
Z	CLEAR TRANSLUCIENT CYLINDER OVER WHITE GLASS CYLINDER PENDANT FIXTURE WITH REPLACEABLE LED MODULE. SATIN NICKEL FINISH. FIELD CUTABLE SUSPENSION CABLE. FREEJACK MOUNTING WITH FLUSH CANOPY.	O	O				6"	16 W	FIX	LED	1	400 LUMENS, 3000K CCT, 90 CRI	277 V	0-10V	TECH LIGHTING ECHO

LIGHTING SEQUENCE OF OPERATION

NOTES:
1. (L##) DENOTES THE LIGHTING SEQUENCE OF OPERATIONS FOR THIS SPACE.
2. (#B) PUSH BUTTON REFERS TO SCENE QUANTITY. CONTROL STATION SHALL BE CAPABLE OF RAISE/LOWER AND SWITCHING ON/OFF AS INDICATED ON SHEETS AND THE LIGHTING SEQUENCE OF OPERATIONS (L##). COORDINATE QUANTITIES OF BUTTONS FOR CONTROL STATIONS WITH LIGHTING CONTROL MANUFACTURER.
3. (Z#) DENOTES LIGHTING CONTROL ZONE. PROVIDE SEPARATE CONTROL OF EACH CONTROLLED ZONE. LUMINAIRES ASSOCIATED WITH THE SAME ZONE SHALL OPERATE TOGETHER WITHIN THE SAME PROGRAMMED SCENE.
4. a = SWITCH DESIGNATION FOR LIGHTING CONTROL.
5. VERIFY AND COORDINATE ALL TIME CLOCK SETTINGS WITH OWNER PRIOR TO FINAL PROGRAMMING.
6. VERIFY AND COORDINATE ALL PUSH BUTTON WALL DEVICES AND QUANTITIES OF INDIVIDUAL BUTTONS WITH SCENES AND ZONES PER LOCATION.
7. VERIFY AND COORDINATE ALL PUSH BUTTON QUANTITIES AND SCENE NAMES WITH OWNER PRIOR TO SUBMITTING ENGRAVING TEMPLATE TO MANUFACTURER.

PLAN ID	LIGHTING SWITCHED
{LC1}	SEQUENCE: DIMMED LUMINAIRES ARE TIME CLOCK AND BMS SYSTEM CONTROLLED IN THIS SPACE. ON: THE LUMINAIRES TURN ON VIA TIME CLOCK AND BMS SYSTEM. UPON LOSS OF NORMAL POWER, THE SWITCHED EMERGENCY LUMINAIRES (AS SHOWN ON THE PLANS) SHALL TURN ON TO 100%. ADJUST: THE LUMINAIRES ARE RAISED / LOWERED VIA BMS SYSTEM. OFF: THE LUMINAIRES TURN OFF VIA TIME CLOCK AND BMS SYSTEM.
{LC2}	SEQUENCE: DAYLIGHT DIMMED LUMINAIRES ARE TIME CLOCK AND BMS SYSTEM CONTROLLED IN THIS SPACE. ON: THE LUMINAIRES TURN ON VIA TIME CLOCK AND BMS SYSTEM. UPON LOSS OF NORMAL POWER, THE SWITCHED EMERGENCY LUMINAIRES (AS SHOWN ON THE PLANS) SHALL TURN ON TO 100%. ADJUST: THE LUMINAIRES ARE RAISED / LOWERED VIA BMS SYSTEM, DAYLIGHT SENSOR, AND MANUAL WALL CONTROLLER(S). OFF: THE LUMINAIRES TURN OFF VIA TIME CLOCK AND BMS SYSTEM.
{LD1}	SEQUENCE: DIMMED LUMINAIRES ARE CONTROLLED IN THIS SPACE VIA WALL CONTROLLER(S). ON: THE LUMINAIRES TURN ON MANUALLY VIA WALL CONTROLLER(S). ADJUST: THE LUMINAIRES ARE RAISED / LOWERED MANUALLY VIA WALL CONTROLLER(S). OFF: THE LUMINAIRES TURN OFF MANUALLY VIA WALL CONTROLLER(S). AFTER THE SPACE HAS BEEN VACANT FOR 15 MINUTES, THE LUMINAIRES WILL AUTOMATICALLY TURN OFF VIA OCCUPANCY SENSOR.
{LD2}	SEQUENCE: DIMMED AND SWITCHED LUMINAIRES ARE CONTROLLED IN THIS SPACE VIA WALL CONTROLLER(S). ON: DIMMED AND SWITCHED LUMINAIRES ARE TURNED ON USING A WALL CONTROL. ADJUST: THE DIMMING LUMINAIRES ARE RAISED / LOWERED USING A WALL CONTROLLER. OFF: THE LUMINAIRES ARE TURNED OFF USING A WALL CONTROLLER. AFTER THE SPACE HAS BEEN VACANT FOR 30 MINUTES, THE LUMINAIRES WILL AUTOMATICALLY TURN OFF VIA OCCUPANCY SENSOR.
{LD3}	SEQUENCE: DIMMED AND SWITCHED LUMINAIRES ARE CONTROLLED IN THIS SPACE VIA WALL CONTROLLER(S). ON: DIMMED AND SWITCHED LUMINAIRES ARE TURNED ON VIA WALL CONTROLLER. ADJUST: THE DIMMING LUMINAIRES ARE RAISED/LOWERED VIA WALL CONTROLLER. OFF: THE LUMINAIRES ARE MANUALLY TURNED OFF VIA WALL CONTROLLER.
{LD4}	SEQUENCE: DIMMED LUMINAIRES ARE CONTROLLED IN THIS SPACE VIA WALL CONTROLLER(S). ON: THE LUMINAIRES TURN ON MANUALLY VIA WALL CONTROLLER(S). ADJUST: THE LUMINAIRES ARE RAISED / LOWERED MANUALLY VIA WALL CONTROLLER(S). OFF: THE LUMINAIRES TURN OFF MANUALLY VIA WALL CONTROLLER(S).
{LS1}	SEQUENCE: LUMINAIRES ARE VACANCY CONTROLLED IN THIS SPACE. ON: THE LUMINAIRES TURN ON MANUALLY VIA WALL CONTROLLER(S). OFF: THE LUMINAIRES TURN OFF MANUALLY VIA WALL CONTROLLER(S). AFTER THE SPACE HAS BEEN VACANT FOR 15 MINUTES, THE LUMINAIRES WILL AUTOMATICALLY TURN OFF VIA OCCUPANCY SENSOR.
{LS2}	SEQUENCE: LUMINAIRES ARE OCCUPANCY CONTROLLED IN THIS SPACE. ON: THE LIGHTS TURN ON WHEN OCCUPANCY IS DETECTED OR BY WALL CONTROLLERS. OFF: AFTER THE SPACE HAS BEEN VACANT FOR 5 MINUTES, THE LIGHTS WILL AUTOMATICALLY TURN OFF.
{LS3}	SEQUENCE: LUMINAIRES ARE CONTROLLED VIA WALL CONTROLLER(S) IN THIS SPACE. ON: THE LUMINAIRES TURN ON MANUALLY VIA WALL CONTROLLER(S). OFF: THE LUMINAIRES TURN OFF MANUALLY VIA WALL CONTROLLER(S).

RELEASED FOR CONSTRUCTION
As noted on drawings
Development Services Department
Lee's Summit, Missouri
Approved: 01/16/2024

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64106
816.421.1042

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	ZMB
Checked By	PLR

Revision

Number	Date	Description

IMEG
1600 BALTIMORE
SUITE 300
KANSAS CITY, MO 64108
P: 816.842.8437
www.imegcorp.com

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REF. SCALE IN INCHES 0 1 2 3
PROJECT #210067830.00

E600

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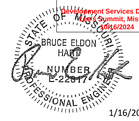
LIGHTING SCHEDULES

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/MEP21_210067830.00_SLH-East ASC Addition_C.rvt

RELEASED FOR CONSTRUCTION
As Noted Below
Missouri Department of Natural Resources Engineering Services Department
Lee's Summit, Missouri
01/16/2024



1/16/2023

Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

DISTRIBUTION PANEL DP-E1-28-HA

ENCLOSURE: NEMA PB 1
FED FROM: 0 A/0P @
LOCATION:

SOLID NEUTRAL GROUND BUS

MAIN: 400 A MCB
VOLTS: 480/277 Wye
PHASE: 3
WIRE: 4
SCCR: 65 kA
ISC UNKNOWN 0 A

NOTES:

CKT	LOAD DESCRIPTION	Load	POLES	FRAME	TRIP	TYPE	ACC.	WIRE AND RACEWAY	CIRCUIT KEY
1	EX LOAD	237.27 kVA	1	150 A	150 A	--	--	--	--
2	EX LOAD	0 kVA	1	100 A	60 A	--	--	--	--
3	EX LOAD	0 kVA	1	60 A	20 A	--	--	--	--
4	EX LOAD	0 kVA	1	60 A	20 A	--	--	--	--
5	EX LOAD	0 kVA	1	60 A	20 A	--	--	--	--
6	EX LOAD	0 kVA	1	150 A	125 A	--	--	--	--
7	EX LOAD	0 kVA	1	150 A	125 A	--	--	--	--
8	EX LOAD	0 kVA	1	15 A	15 A	--	--	--	--
9	ELEVATOR 1E-101B	21.5 kVA	3	100 A	50 A			3#6 & 1#10 EGC IN 3/4" C.	
10	ELEVATOR 1E-101A	21.5 kVA	3	100 A	50 A			3#6 & 1#10 EGC IN 3/4" C.	
11									
12									
13									

LOAD SUMMARY (INCLUDES ALL TUBS IN THIS PANEL)

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
Spare	237.27 kVA	100.00%	237.27 kVA
Elevator	43 kVA	95.00%	40.85 kVA

TOTALS*	
TOTAL CONNECTED LOAD:	280.27 kVA
TOTAL ESTIMATED DEMAND LOAD:	278.12 kVA
TOTAL CONNECTED AMPS:	337.11 A
TOTAL ESTIMATED DEMAND AMPS:	334.5 A

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES:

NEW DIST. PNL. DP-E1-32-HA

ENCLOSURE: NEMA PB 1
FED FROM: 0 A/0P @
LOCATION: AHU 1E-233

SOLID NEUTRAL GROUND BUS

MAIN: 400 A MCB
VOLTS: 480/277 Wye
PHASE: 3
WIRE: 4
SCCR: 65 kA
ISC UNKNOWN 0 A

NOTES:

CKT	LOAD DESCRIPTION	LOAD	POLES	FRAME	TRIP	TYPE	ACC.	WIRE AND RACEWAY	CIRCUIT KEY
1	AC-1 AHU 1E-233	7.48 kVA	3	100 A	20 A			3#12 & 1#12 EGC IN 3/4" C.	
2	AHU 1E-233 RETURN: 1E-233	46.95 kVA	3	100 A	80 A			3#v & 1#6 EGC IN 1 1/4" C.	
3	AHU 1E-233 SUPPLY: 1E-233	137.67 kVA	3	250 A	225 A			3#4/0 & 1#4 EGC IN 2 1/2" C.	
4	CRS-2 AHU 1E-233	0 kVA	3	150 A	0 A				
5	AHU E-9 RETURN: ROOF	24.11 kVA	3	50 A	40 A			3#8 & 1#10 EGC IN 1" C.	
6	AHU E-9 SUPPLY: ROOF	89.13 kVA	3	200 A	150 A			3#1/0 & 1#6 EGC IN 2" C.	
7									
8									
9									
10									
11									
12									

LOAD SUMMARY (INCLUDES ALL TUBS IN THIS PANEL)

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
Power	305.351 kVA	100.00%	305.351 kVA

TOTALS*	
TOTAL CONNECTED LOAD:	305.35 kVA
TOTAL ESTIMATED DEMAND LOAD:	305.351 kVA
TOTAL CONNECTED AMPS:	367.28 A
TOTAL ESTIMATED DEMAND AMPS:	367.3 A

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES:

DISTRIBUTION PANEL DP-E2-10-XRAY

ENCLOSURE: NEMA PB 1
FED FROM: 0 A/0P @
LOCATION:

SOLID NEUTRAL GROUND BUS

MAIN: 400 A MFD
VOLTS: 480/277 Wye
PHASE: 3
WIRE: 4
SCCR: 65 kA
ISC UNKNOWN 0 A

NOTES:

CKT	LOAD DESCRIPTION	LOAD	POLES	FRAME	TRIP	TYPE	ACC.	WIRE AND RACEWAY	CIRCUIT KEY
1	X-RAY EQUIPMENT 2E-115	0 kVA	3	200 A	150 A			4#1/0 & 1#6 EGC IN 2" C.	
2	X-RAY EQUIPMENT 2E-113	0 kVA	3	200 A	150 A			4#1/0 & 1#6 EGC IN 2" C.	
3	X-RAY EQUIPMENT 2E-116	0 kVA	3	200 A	150 A			4#1/0 & 1#6 EGC IN 2" C.	
4	X-RAY EQUIPMENT 2E-117	0 kVA	3	200 A	150 A			4#1/0 & 1#6 EGC IN 2" C.	
5	X-RAY EQUIPMENT 2E-118	0 kVA	3	200 A	150 A			4#1/0 & 1#6 EGC IN 2" C.	
6	SPARE	0 kVA	1	200 A	150 A	--	--	--	--

LOAD SUMMARY (INCLUDES ALL TUBS IN THIS PANEL)

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND

TOTALS*	
TOTAL CONNECTED LOAD:	0.00 kVA
TOTAL ESTIMATED DEMAND LOAD:	0 kVA
TOTAL CONNECTED AMPS:	0.00 A
TOTAL ESTIMATED DEMAND AMPS:	0 A

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES:

PANEL E1-13-LN

MOUNTING: SURFACE
ENCLOSURE: NEMA PB 1
FED FROM: 0 A/0P @
LOCATION: ELEC 1E-215

SOLID NEUTRAL GROUND BUS

MAIN: 225 A MCB
VOLTS: 120/208 Wye
PHASE: 3
WIRE: 4
SCCR: 65 kA
ISC UNKNOWN 0.00 kA

NOTES:

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	H	WIRE SIZE N	G	C	A	B	C	CKT NO.	KEY
--	1	REC: RMS 1E-210, 1E-214	20 A	1	12	12	12	3/4"	1.08	1.44		2	--
--	3	FB: BREAK/CONFERENCE...	20 A	1	12	12	12	3/4"		0.18	1.44	4	--
--	5	REC: PRE CALL ANESTHESIA...	20 A	1	12	12	12	3/4"			1.26	6	--
--	7	REC: RMS 1E-213, 1E-212	20 A	1	12	12	12	3/4"	1.26	1.44		8	--
--	9	REC: STAFF SUPPORT /...	20 A	1	12	12	12	3/4"		1.26	1.44	10	--
--	11	REC: RMS 1E-220, 1E-219,...	20 A	1	12	12	12	3/4"			0.9	12	--
--	13	MICROWAVE: STAFF SUPPOR...	20 A	1	12	12	12	3/4"	1	1.44		14	--
--	15	DISH WASHER: STAFF...	20 A	1	12	12	12	3/4"		1	1.44	16	--
--	17	FRIDGE: STAFF SUPPORT /...	20 A	1	10	10	10	3/4"			1.5	18	--
--	19	FRIDGE: STAFF SUPPORT /...	20 A	1	10	10	10	3/4"	1.5	1.08		20	--
--	21	MICROWAVE: STAFF SUPPOR...	20 A	1	12	12	12	3/4"		0.18	1.08	22	--
--	23	COFFEE: STAFF SUPPORT /...	20 A	1	10	10	10	3/4"			1.5	24	--
--	25	REC: RMS 1E-224, 1E-223,...	20 A	1	12	12	12	3/4"	0.9	0.72		26	--
--	27	REC: 1E-226	20 A	1	10	10	10	3/4"		0.9	1	28	--
--	29	PRINTERS: 1E-226	20 A	1	12	12	12	3/4"			0.6	30	--
--	31	FRIDGE: NOURISH 1E-225	20 A	1	10	10	10	3/4"	0.75	0.9		32	--
--	33	MICROWAVE: NOURISH 1E-225	20 A	1	8	8	8	3/4"		1	1.44	34	--
--	35	ICE MACHINE: NOURISH 1E-225	20 A	1	12	12	12	3/4"			0.5	36	--
--	37	FRIDGE: OR CLEAN 1E-169	20 A	1	10	10	10	3/4"	0.75	1.08		38	--
--	39	FRIDGE: OR CLEAN 1E-169	20 A	1	10	10	10	3/4"		0.75	0.2	40	--
--	41	WARM CAB: OR CLEAN 1E-169	30 A	1	10	10	10	3/4"			0.3	42	--
--	43	REC: RMS 1E-163, 1E-164,...	20 A	1	10	10	10	3/4"	1.08	0.5		44	--
--	45	REC: BUSINESS OFFICE...	20 A	1	8	8	8	3/4"			1.08	46	--
--	47	REC: BUSINESS OFFICE...	20 A	1	8	8	8	3/4"			1.08	48	--
--	49	REC: BUSINESS OFFICE...	20 A	1	8	8	8	3/4"	1.26	1.26		50	--
--	51	REC: IT ROOM	20 A	1	12	12	12	3/4"		0.18	1.26	52	--
--	53	REC: CORRIDORS 1E-176,...	20 A	1	8	8	8	3/4"			1.08	54	--
--	55	SCRUBS: MEN'S LOCKER (28...	20 A	1	12	12	12	3/4"	0.6	0.6		56	--
--	57	REC: RMS 1E-218, 1E-216,...	20 A	1	10	10	10	3/4"		1.44	0.5	58	--
--	59	REC: RMS 1E-230, 1E-300A,...	20 A	1	10	10	10	3/4"			1.08	60	--
--	61	BLANKET WARM: SUBSTERILE...	30 A	1	10	10	10	3/4"	0.5	1.08		62	--
--	63	BLANKET WARM: SUBSTERILE...	20 A	1						0.5	0	64	--
--	65	SPARE	20 A	1	--	--	--	--			0	66	--
--	67	SPARE	20 A	1	--	--	--	--	0	0		68	--
--	69	SPARE	20 A	1	--	--	--	--		0	0	70	--
--	71	SPARE	20 A	1	--	--	--	--			0	72	--
--	73	SPARE	20 A	1	--	--	--	--	0	0		74	--
--	75	SPARE	20 A	1	--	--	--	--		0	0	76	--
--	77	SPARE	20 A	1	--	--	--	--			0	78	--
--	79	SPARE	20 A	1	--	--	--	--	0	0		80	--
--	81	EX TUNNEL	20 A	1	--	--	--	--		0	0	82	--
--	83	EX TUNNEL	20 A	1	--	--	--	--			0	84	
--	85	EX ROOF	20 A	1	--	--	--	--	0			86	
--	87	EX ROOF	20 A	1	--	--	--	--		0		88	
	89											90	
	91											92	
	93									0		94	--
	95											96	
	97											98	
	99											100	
	101											102	
	103											104	
	105											106	
	107											108	
	109											110	
	111											112	
	113											114	
	115											116	
	117											118	
	119											120	
	121											122	
	123											124	
	125											126	

	A	B	C
Total Load:	22.22 kVA	18.57 kVA	20.86 kVA
Total Amps:	188.10	154.75	176.77

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	H	WIRE SIZE N	G	C	CKT NO.	KEY

RELEASED FOR CONSTRUCTION
As noted on drawings
Development Services Department
Summit, Missouri
01/16/2024

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER A-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

PANEL E1-14-HLS

MOUNTING: SURFACE
ENCLOSURE: NEMA PB 1
FED FROM: 0 A/0P @
LOCATION: ELEC 1E-215

SOLID NEUTRAL GROUND BUS

MAIN: 60 A MCB
VOLTS: 480/277 Wye
PHASE: 3
WIRE: 4
SCCR: 65 kA
ISC UNKNOWN 0.00 kA

NOTES:

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	H	WIRE SIZE N	G	C	A	B	C	WIRE SIZE C	G	N	H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY
--	1	SPARE	20 A	1	--	--	--	--	0	0.53		3/4"	12	12	12	1	20 A	LTS: CANOPY	2	
--	3	SPARE	20 A	1	--	--	--	--			0								4	
	5																		6	
	7																		8	
	9																		10	
	11																		12	
	13																		14	
	15																		16	
	17																		18	
	19																		20	
	21																		22	
	23																		24	
	25																		26	
	27																		28	
	29																		30	
	31																		32	
	33																		34	
	35																		36	
	37																		38	
	39																		40	
	41																		42	
		Total Load:							0.53 kVA	0.00 kVA	0.00 kVA									
		Total Amps:							1.93	0.00	0.00									

LOAD SUMMARY

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
Lighting	0.533 kVA	100.00%	0.533 kVA

TOTALS*	
TOTAL CONNECTED LOAD:	0.53 kVA
TOTAL ESTIMATED DEMAND LOAD:	0.533 kVA
TOTAL CONNECTED AMPS:	0.64 A
TOTAL ESTIMATED DEMAND AMPS:	0.6 A

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES:

PANEL E1-15-LC

MOUNTING: SURFACE
ENCLOSURE: NEMA PB 1
FED FROM: 0 A/0P @
LOCATION: ELEC 1E-215

SOLID NEUTRAL GROUND BUS

MAIN: 100 A MCB
VOLTS: 120/208 Wye
PHASE: 3
WIRE: 4
SCCR: 65 kA
ISC UNKNOWN 0.00 kA

NOTES:

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	H	WIRE SIZE N	G	C	A	B	C	WIRE SIZE C	G	N	H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY
	1	REC: 23-HR 1E-209	20 A	1	12	12	12	3/4"	0.9	0.9		3/4"	12	12	12	1	20 A	REC: 23-HR 1E-206	2	
--	3	EX ELEV CAB LTS	20 A	1	--	--	--	--			0	--	--	--	--	1	20 A	EX TEMP CONTROL XFMR	4	--
	5	REC: 23-HR 1E-208	20 A	1	12	12	12	3/4"			0.9	0	--	--	--	1	20 A	EX TEMP CONTROL XFMR	6	--
--	7	EX ELEV RECEPT	20 A	1	--	--	--	--	0	0			--	--	--	1	20 A	EX TEMP CONTROL XFMR	8	--
	9	REC: 23-HR 1E-207	20 A	1	12	12	12	3/4"			0.9	0.9		3/4"	12	12	12	1	20 A	REC: 23-HR 1E-204	10	
	11	REC: 23 HR 1E-205	20 A	1	12	12	12	3/4"					0.9	0.72	3/4"	12	12	12	1	20 A	REC: 23-HR NURSE AND...	12	
	13	REC: PRE/POST OR 1E-202I	20 A	1	12	12	12	3/4"	0.9	0.9					3/4"	12	12	12	1	20 A	REC: PRE-POST OR 1E-202H	14	
	15	REC: PRE/POST OR 1E-202G	20 A	1	12	12	12	3/4"			0.9	0			--	--	--	--	1	20 A	EX SUMP PUMP	16	--
	17	REC: PRE/POST OR 1E-202E	20 A	1	12	12	12	3/4"					0.9	0.9	3/4"	12	12	12	1	20 A	REC: PRE/POST OR 1E-202F	18	
	19	REC: PRE/POST OR 1E-202C	20 A	1	12	12	12	3/4"	0.9	0.9					3/4"	10	10	10	1	20 A	REC: PRE/POST OR 1E-202D	20	
	21	REC: PRE/POST OR 1E-202A	20 A	1	12	12	12	3/4"			0.9	0.9			3/4"	12	12	12	1	20 A	REC: PRE-POST OR 1E-202B	22	
	23	REC: PRE/POST OR 1E-175	20 A	1	12	12	12	3/4"					0.9	0.5	3/4"	12	12	12	1	20 A	CRASH CART: ALCOVE 1E-201	24	
	25	REC: PRE/POST OR 1E-174	20 A	1	12	12	12	3/4"	0.9	0.75					3/4"	12	12	12	1	20 A	FRIDGE: MEDS 1E-176	26	
	27	REC: PRE/POST OR 1E-173	20 A	1	12	12	12	3/4"			0.9	0.5			3/4"	12	12	12	1	20 A	CRASH CART: OR NURSE...	28	
	29	FRIDGE: MED ALCOVE 1E-166	20 A	1	12	12	12	3/4"					0.75	0	--	--	--	--	1	20 A	EX LOAD	30	--
--	31	EX LOAD	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	EX LOAD	32	--
--	33	EX LOAD	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	EX LOAD	34	--
--	35	EX LOAD	20 A	1	--	--	--	--					0	1	3/4"	12	12	12	1	20 A	FREEZER: SUBSTERILE (SM)...	36	
--	37	EX LOAD	20 A	1	--	--	--	--	0	1					3/4"	12	12	12	1	20 A	FREEZER: SUBSTERILE 1E-228	38	
--	39	EX LOAD	20 A	1	--	--	--	--			0	0							1	0 A	AHU-E-11	40	
--	41	EX LOAD	20 A	1	--	--	--	--					0	0					1	0 A	Power	42	
--	43	EX LOAD	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	EX IT	44	--
--	45	EX DOOR CONTROLLER	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	EX IT	46	--
--	47	EX IT	30 A	2	--	--	--	--					0	0	--	--	--	--	1	20 A	EX IT	48	--
--	49	--	--		--	--	--	--	0	0					--	--	--	--	1	20 A	EX IT RACK	50	--
--	51	EX LOAD	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	EX IT RACK	52	--
--	53	EX LOAD	20 A	1	--	--	--	--					0									54	
--	55	EX LOAD	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	EX ELEV EQUIP	56	--
	57	LTS: 1E-147, 1E-148	20 A	1	12	12	12	3/4"			1.25											58	
	59	LTS: 1E-145, 1E-146	20 A	1	12	12	12	3/4"					1.25									60	
	61	LTS: 1E-136, 1E-137, 1E-134,...	20 A	1	12	12	12	3/4"	1.33													62	
	63	LTS: 1E-149, 1E-151	20 A	1	12	12	12	3/4"			1.25											64	
	65	LTS: 1E-139A, 1E-139B, 1E-139...	20 A	1	12	12	12	3/4"					1.55									66	
	67	LTS: 1E-173, 1E-174, 1E-175,...	20 A	1	12	12	12	3/4"	0.89													68	
	69	LTS: 1E-209, 1E-208, 1E-206,...	20 A	1	12	12	12	3/4"			0.79											70	
	71																					72	
	73																					74	
	75																					76	
	77																					78	
	79																					80	
	81																					82	
	83																					84	
		Total Load:							10.27 kVA	9.20 kVA	10.27 kVA												
		Total Amps:							86.98	76.65	87.00												

LOAD SUMMARY

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
Lighting	8.324 kVA	100.00%	8.324 kVA
Power	0 kVA	0.00%	0 kVA
Receptacles	21.42 kVA	73.34%	15.71 kVA

TOTALS*	
TOTAL CONNECTED LOAD:	29.74 kVA
TOTAL ESTIMATED DEMAND LOAD:	24.034 kVA
TOTAL CONNECTED AMPS:	82.56 A
TOTAL ESTIMATED DEMAND AMPS:	66.7 A

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES:

PANEL E1-16-LN

MOUNTING: SURFACE
ENCLOSURE: NEMA PB 1
FED FROM: 0 A/0P @
LOCATION: ELEC 1E-316

SOLID NEUTRAL GROUND BUS

MAIN: 225 A MCB
VOLTS: 120/208 Wye
PHASE: 3
WIRE: 4
SCCR: 65 kA
ISC UNKNOWN 0.00 kA

NOTES:

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	H	WIRE SIZE N	G	C	A	B	C	WIRE SIZE C	G	N	H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY
--	1	EX STER	20 A	1	--	--	--	--	0	1.26							1	20 A	REC: RMS 1E-311, 1E-300C....	2	
	3	REC: TMD 1E-152, 1E-176,...	20 A	1							1.26	0.3					1	20 A	REPTRAX: VENDOR ENTRANC...	4	
	5	REC: RMS 1E-152, 1E-176	20 A	1									0.9	0.2			1	20 A	PRINTER: MATERIALS...	6	
	7	TIMECLOCK: CORRIDOR...	20 A	1					0.18	1.26							1	20 A	REC: RMS 1E-156, 1E-155....	8	
	9	REC: RESOURCE ROOM 1E-156	20 A	1							0.72	0.36					1	20 A	REC: INSTRUMENT...	10	
	11	REC: RESOURCE ROOM 1E-156	20 A	1									0.72	0.4			1	20 A	SCOPE DRYER: SCOPE...	12	
	13	SCOPE WASH: INSTRUMENT...	20 A	1					1.2	0.4							1	20 A	SCOPE DRYER: SCOPE...	14	
	15	SCOPE WASH: INSTRUMENT...	20 A	1							1.2	0.36					1	20 A	REC: INSTRUMENT...	16	
	17	SCOPE WASH: INSTRUMENT...	20 A	1									1.2	0.36			1	20 A	REC: INSTRUMENT...	18	
	19	SCOPE WASH: INSTRUMENT...	20 A	1					1.2	0.7							1	20 A	BOOM & CHAIR: PROCEDURE...	20	
	21	BOOM & CHAIR: PROCEDURE...	20 A	1							0.7	0.5					1	20 A	WOW STATION: PROCEDURE...	22	
	23	WOW STATION: PROCEDURE...	20 A	1									0.5	0.54			1	20 A	REC: PROCEDURE 1E-149	24	
	25	REC: PROCEDURE 1E-151	20 A	1					0.54	0.54							1	20 A	REC: PROCEDURE 1E-149	26	
	27	REC: PROCEDURE 1E-151	20 A	1							0.54	0			--	--	--	--	1	20 A	EX STR CONT	28	--
	29	CAB-1	20 A	1									0	0.54			1	20 A	REC: GI PROCEDURE 1E-145	30	
	31	CAB-2 CREDENTIAL MANAGER...	20 A	1					0	0.54							1	20 A	REC: GI PROCEDURE 1E-146	32	
	33	CAB-3 SEMI-RESTRICTED...	20 A	1							0	0.54					1	20 A	REC: GI PROCEDURE 1E-147	34	
--	35	EX STERILIZER	20 A	1	--	--	--	--					0	0.54			1	20 A	REC: GI PROCEDURE...	36	
--	37	EX OR #3	20 A	1	--	--	--	--	0	0.36							1	20 A	REC: OR 1E-227	38	
--	39	EX OR #3	20 A	1	--	--	--	--			0	0.36					1	20 A	REC: OR 1E-227	40	
	41	REC: OR (LARGE) 1E-229	20 A	1									0.36	0.36			1	20 A	REC: OR (LARGE) 1E-229	42	
--	43	EX OR #2	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	EX OR #1	44	--
--	45	EX OR #2	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	EX OR #1	46	--
--	47	EX #3 LIGHT CONT.	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	EX PLUG MOLD STER	48	--
--	49	EX #3 LIGHT CONT.	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	EX PLUG MOLD STER	50	--
--	51	EX #3 LIGHT CONT.	20 A	1	--	--	--	--			0	0.36							1	20 A	REC: OR 1E-231	52	
	53	REC: OR 1E-231	20 A	1									0.36	1.08			1	20 A	REC: RMS 1E-120, 1E-119....	54	
	55	FRIDGE: GI STORAGE/BREAK...	20 A	1					1.5	1							1	20 A	MFD: GI NURSE STATION 1E-120	56	
	57	ICE MAKER: NOURISH 1E-123	20 A	1							0.5	0.6								58	
	59	UE E-01 AHU 1E-233	20 A	1									0	3.33			3	40 A	ULTRASONIC:...	60	
	61	UE E-02 AHU 1E-233	20 A	1					0	3.33					--	--	--	--	--	--		62	--
	63	CAB-4	20 A	1							0	3.33			--	--	--	--	--	--		64	--
	65	NEPTUNE:...	20 A	1									0.5	0.5			1	20 A	NEPTUNE:...	66	
	67	REC: RMS 1E-303-1, 1E-315A	20 A	1					0.54	0							1	20 A	AHU-E-8 LTS AHU 1E-233	68	
	69	ULTRASONIC:...	40 A	3							3.33									70	
--	71	--	--		--	--	--	--					3.33							72	
--	73	--	--		--	--	--	--	3.33											74	
	75																			76	
	77																			78	
	79																			80	
	81																			82	
	83																			84	
		Total Load:							17.89 kVA	14.97 kVA	15.73 kVA										
		Total Amps:							150.03	124.72	132.03										

LOAD SUMMARY

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
Power	21 kVA	100.00%	21 kVA
Receptacles	27.58 kVA	68.13%	18.79 kVA

TOTALS*	
TOTAL CONNECTED LOAD:	48.58 kVA
TOTAL ESTIMATED DEMAND LOAD:	39.79 kVA
TOTAL CONNECTED AMPS:	134.84 A
TOTAL ESTIMATED DEMAND AMPS:	110.4 A

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES:

PANEL E1-17-HLS

MOUNTING: SURFACE
ENCLOSURE: NEMA PB 1
FED FROM: 0 A/0P @
LOCATION: ELEC 1E-316

SOLID NEUTRAL GROUND BUS

MAIN: 60 A MCB
VOLTS: 480/277 Wye
PHASE: 3
WIRE: 4
SCCR: 65 kA
ISC UNKNOWN 0.00 kA

NOTES:

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	H	WIRE SIZE N	G	C	A	B	C	WIRE SIZE C	G	N	H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY
--	1	EX LTS	20 A	1	--	--	--	--								1	20 A	EX LTS	2	--
--	3	EX LTS	20 A	1	--	--	--	--			0	0							4	--
--	5	EX LTS	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	EX LTS	6	--
--	7	EX LTS	20 A	1	--	--	--	--	0	2.71												8	
--	9	SPARE	20 A	1	--	--	--	--			0	2.24			3/4"	8	8	10	1	20 A	LTS: SITE LIGHTING	10	
--	11	SPARE	20 A	1	--	--	--	--					0	0								12	
--	13	SPARE	20 A	1	--	--	--	--	0	0												14	--
--	15	SPARE	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	SPARE	16	--
--	17	SPARE	20 A	1	--	--	--	--					0									18	
	19																					20	
	21																					22	
	23																					24	
	25																					26	
	27																					28	
	29																					30	
	31																					32	
	33																					34	
	35																					36	
	37																					38	
	39																					40	
	41																					42	
		Total Load:							2.71 kVA	2.24 kVA	0.00 kVA												
		Total Amps:							11.05	9.33	0.00												

LOAD SUMMARY

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
Lighting	2.714 kVA	100.00%	2.714 kVA
Power	2.24 kVA	100.00%	2.24 kVA

TOTALS*	
TOTAL CONNECTED LOAD:	4.95 kVA
TOTAL ESTIMATED DEMAND LOAD:	4.954 kVA
TOTAL CONNECTED AMPS:	5.96 A
TOTAL ESTIMATED DEMAND AMPS:	6 A

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES:

PANEL E1-18-LC

MOUNTING: SURFACE
ENCLOSURE: NEMA PB 1
FED FROM: 0 A/0P @
LOCATION: ELEC 1E-316

SOLID NEUTRAL GROUND BUS

MAIN: 100 A MCB
VOLTS: 120/208 Wye
PHASE: 3
WIRE: 4
SCCR: 65 kA
ISC UNKNOWN 0.00 kA

NOTES:

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	H	WIRE SIZE N	G	C	A	B	C	WIRE SIZE C	G	N	H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY
	1	FREEZER: EXPANDED SPD...	20 A	1	12	12	12	3/4"	1	0.5					3/4"	12	12	12	1	20 A	CRASH CART:...	2	
	3	REC: ANESTHESIA GI...	20 A	1	12	12	12	3/4"			0.36	0.5			3/4"	12	12	12	1	20 A	CRASH CART:...	4	
	5	REC: ENDOSCOPY GI...	20 A	1	12	12	12	3/4"					0.36	0.5	3/4"	12	12	12	1	20 A	CRASH CART:...	6	
	7	REC & BOOM: GI PROCEDURE...	15 A	1	12	12	12	3/4"	0.48	0.36					3/4"	12	12	12	1	20 A	REC: ANESTHESIA GI...	8	
	9	REC: GI PROCEDURE 1E-145	20 A	1	12	12	12	3/4"			0.36	0.36			3/4"	12	12	12	1	20 A	REC: ENDOSCOPY GI...	10	
--	11	EX WARM SUB STERILE	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	EX CUH	12	--
--	13	EX WARM SUB STERILE	20 A	1	--	--	--	--	0	0.48					3/4"	12	12	12	1	15 A	REC & BOOM: GI PROCEDURE...	14	
	15	REC: ANESTHESIA GI...	20 A	1	12	12	12	3/4"			0.36	0.36			3/4"	12	12	12	1	20 A	REC: GI PROCEDURE 1E-146	16	
	17	REC: ENDOSCOPY GI...	20 A	1	12	12	12	3/4"					0.36	0.36	3/4"	12	12	12	1	20 A	REC: ANESTHESIA GI...	18	
	19	REC & BOOM: GI PROCEDURE...	15 A	1	12	12	12	3/4"	0.48	0.36					3/4"	12	12	12	1	20 A	REC: ENDOSCOPY GI...	20	
	21	REC: GI PROCEDURE 1E-147	20 A	1	12	12	12	3/4"			0.36	0.48			3/4"	12	12	12	1	15 A	REC & BOOM: GI PROCEDURE...	22	
	23	PRINTERS: RMS 1E-146, 1E-145	20 A	1	12	12	12	3/4"					0.4	0.36	3/4"	12	12	12	1	20 A	REC: GI PROCEDURE...	24	
	25	PRINTERS: RMS 1E-147, 1E-148	20 A	1	12	12	12	3/4"	0.4	1.5					3/4"	12	12	12	1	20 A	TCP & LV-TFX: AHU 1E-233	26	
	27	HEAT TRACE: INSTRUMENT...	20 A	2							0											28	
--	29	--	--		--	--	--	--					0									30	
	31																					32	
	33																					34	
	35																					36	
	37																					38	
	39																					40	
	41																					42	
		Total Load:							5.56 kVA	3.14 kVA	2.34 kVA												
		Total Amps:							47.36	27.19	19.50												

LOAD SUMMARY

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
Power	2.7 kVA	100.00%	2.7 kVA
Receptacles	8.34 kVA	100.00%	8.34 kVA

TOTALS*	
TOTAL CONNECTED LOAD:	11.04 kVA
TOTAL ESTIMATED DEMAND LOAD:	11.04 kVA
TOTAL CONNECTED AMPS:	30.64 A
TOTAL ESTIMATED DEMAND AMPS:	30.6 A

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES:

PANEL E1-19-LLS

MOUNTING: SURFACE
ENCLOSURE: NEMA PB 1
FED FROM: 0 A/0P @
LOCATION: ELEC 1E-316

SOLID NEUTRAL GROUND BUS

MAIN: 60 A MCB
VOLTS: 120/208 Wye
PHASE: 3
WIRE: 4
SCCR: 65 kA
ISC UNKNOWN 0.00 kA

NOTES:

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	H	WIRE SIZE N	G	C	A	B	C	WIRE SIZE C	G	N	H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY
	1	MED GAS ALARM: GI...	20 A	1	12	12	12	3/4"	0.4	0					--	--	--	--	1	20 A	EX LOAD	2	--
--	3	EX LOAD	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	EX LOAD	4	--
--	5	EX LOAD	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	EX LOAD	6	--
--	7	EX LOAD	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	EX LOAD	8	--
--	9	EX LOAD	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	EX LOAD	10	--
--	11	EX LOAD	20 A	1	--	--	--	--					0	0.3	3/4"	12	12	12	1	20 A	MED GAS ALARM: OR	12	
--	13	EX LOAD	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	EX LOAD	14	--
	15	MED GAS MASTER ALARM:...	20 A	1	12	12	12	3/4"			0.2	0			--	--	--	--	1	20 A	EX LOAD	16	--
	17	MED GAS ALARM: 1E-100G,...	20 A	1	12	12	12	3/4"					0.3	0	--	--	--	--	1	20 A	EX LOAD	18	--
--	19	SPACE	--	1	--	--	--	--	--	--					--	--	--	--	1	--	SPACE	20	--
--	21	SPACE	--	1	--	--	--	--			--	--			--	--	--	--	1	--	SPACE	22	--
--	23	SPACE	--	1	--	--	--	--

RELEASED FOR CONSTRUCTION
As Noted on Plans
Development Services Department
Summit, Missouri
01/16/2024

STATE OF MISSOURI
BRUCE ELDON HART
NUMBER E-22817
PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

PANEL E1-26-LN

MOUNTING: SURFACE
ENCLOSURE: NEMA PB 1
FED FROM: 0 A/0P @
LOCATION: ELEC 1E-162

SOLID NEUTRAL
GROUND BUS

MAIN: 200 A MCB
VOLTS: 120/208 Wye
PHASE: 3
WIRE: 4
SCCR: 65 kA
ISC UNKNOWN 0.00 kA

NOTES:

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	H	WIRE SIZE N	G	C	A	B	C	WIRE SIZE C	G	N	H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY
	1	REC: RMS 1E-110, 1E-111	20 A	1	12	12	12	3/4"	0.9	1.44		3/4"	12	12	12	1	20 A	REC: RMS 1E-137, 1E-136	2	
	3	SCANNERS: 1E-108-2, 1E-109-1	20 A	1	12	12	12	3/4"			0.6	1.44				3/4"	12	12	12	1	20 A	REC: RMS 1E-132, 1E-134	4	
	5	REC: RMS 1E-108-2, 1E-109-1	20 A	1	12	12	12	3/4"					1.08	1.44	3/4"	12	12	12	1	20 A	REC: RMS 1E-130, 1E-128	6	
	7	REC: RECEPTION 1E-107	20 A	1	12	12	12	3/4"	1.08	1.44					3/4"	12	12	12	1	20 A	REC: RMS 1E-126, 1E-124	8	
	9	MFD: RECEPTION 1E-107	20 A	1	12	12	12	3/4"			1	1.44			3/4"	12	12	12	1	20 A	REC: RMS 1E-127, 1E-125	10	
	11	REC: RMS 1E-106-2, 1E-103-2	20 A	1	12	12	12	3/4"					1.08	1.44	3/4"	12	12	12	1	20 A	REC: RMS 1E-131, 1E-129	12	
	13	SCANNERS: 1E-107, 1E-106-2,...	20 A	1	12	12	12	3/4"	0.9	1.44					3/4"	12	12	12	1	20 A	REC: RMS 1E-133, 1E-135	14	
	15	FRIDGE: NOURISHMENT 1E-103	20 A	1	12	12	12	3/4"			0.75	1.44			3/4"	12	12	12	1	20 A	REC: RMS 1E-138, 1E-139A	16	
--	17	EX. REC: STERILE PROC	20 A	1	--	--	--	--					0	1.44	3/4"	12	12	12	1	20 A	REC: RMS 1E-139B, 1E-139C	18	
--	19	EX. PLUG MOLD: STERILE PROC	20 A	1	--	--	--	--	0	1.44					3/4"	12	12	12	1	20 A	REC: RMS 1E-139D, 1E-139E	20	
--	21	EX. PLUG MOLD: STERILE PROC	20 A	1	--	--	--	--			0	1.44			3/4"	12	12	12	1	20 A	REC: RMS 1E-140, 1E-141	22	
--	23	EX. PLUG MOLD: STERILE PROC	20 A	1	--	--	--	--					0	1.26	3/4"	12	12	12	1	20 A	REC: RMS 1E-136, 1E-137,...	24	
--	25	EX. PLUG MOLD: STERILE PROC	20 A	1	--	--	--	--	0	1.08					3/4"	12	12	12	1	20 A	REC: RMS 1E-132, 1E-134,...	26	
--	27	EX. PLUG MOLD: STERILE PROC	20 A	1	--	--	--	--			0	1.08			3/4"	12	12	12	1	20 A	REC: RMS 1E-128, 1E-126,...	28	
--	29	EX. PLUG MOLD: STERILE PROC	20 A	1	--	--	--	--					0	1.08	3/4"	12	12	12	1	20 A	REC: RMS 1E-129, 1E-127,...	30	
	31	COFFEE: NOURISHMENT 1E-103	20 A	1	12	12	12	3/4"	1.5	1.08					3/4"	12	12	12	1	20 A	REC: RMS 1E-133, 1E-135,...	32	
	33	COFFEE: NOURISHMENT 1E-103	20 A	1	12	12	12	3/4"			1.5	1.08			3/4"	12	12	12	1	20 A	REC: RMS 1E-140, 1E-141,...	34	
	35	SHADES: VESTIBULE 1E-100	15 A	1	12	12	12	3/4"					0.8	0	--	--	--	--	1	20 A	EX REC: MECH RM	36	--
	37	SHADES: LOBBY 1E-101	15 A	1	12	12	12	3/4"	0.8	0					--	--	--	--	1	20 A	EX REC: SUB STERILE	38	--
	39	SHADES: WAITING 1E-102	15 A	1	12	12	12	3/4"			0.8	0			--	--	--	--	1	20 A	EX REC: OR #5	40	--
--	41	EX REC: SUB STERILE	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	EX REC: OR #4	42	--
	43	SHADES: WAITING 1E-102	15 A	1	12	12	12	3/4"	0.8	1.08					3/4"	12	12	12	1	20 A	REC: RMS 1E-112, 1E-113	44	
--	45	EX REC: ROOF TOP	20 A	1	--	--	--	--			0	0.9			3/4"	12	12	12	1	20 A	REC: RMS 1E-113, 1E-114	46	
	47	SHADES: WAITING 1E-102	15 A	1	12	12	12	3/4"					0.8	0.9	3/4"	12	12	12	1	20 A	REC: CONFERENCE 1E-115	48	
	49	SHADES: WAITING 1E-102	15 A	1	12	12	12	3/4"	0.8	0.5					3/4"	12	12	12	1	20 A	FB: CONFERENCE 1E-115	50	
	51	SHADES: WAITING 1E-102	15 A	1	12	12	12	3/4"			0.8	1.08			3/4"	12	12	12	1	20 A	REC: GI NURSE STATION 1E-120	52	
--	53	EX CENTURY: SUB STERILE	20 A	1	--	--	--	--					0	0	1"	10	6	6	3	50 A	WASHER/DISINFECTOR...	54	A
	55	EWC: WAITING 1E-102	20 A	1	12	12	12	3/4"	0.3	0					--	--	--	--		--	--	56	--
--	57	EX VACUUM PMP: STERILE...	20 A	3	--	--	--	--			0	0			--	--	--	--	--	--	--	58	--
--	59	--	--	--	--	--	--	--					0	0	1"	10	6	6	3	50 A	WASHER/DISINFECTOR...	60	
--	61	--	--	--	--	--	--	--	0	0					--	--	--	--	--	--	--	62	--
	63	REC: RMS 1E-102, 1E-110,...	20 A	1	12	12	12	3/4"			1.44	0			--	--	--	--	--	--	--	64	--
	65	REC: RMS 1E-118, 1E-116,...	20 A	1	12	12	12	3/4"					1.26	0	--	--	--	--	3	20 A	EX VACUUM PMP: STERILE...	66	--
	67	REC: RMS 1E-102, 1E-100B,...	20 A	1	12	12	12	3/4"	1.26	0					--	--	--	--	--	--	--	68	--
	69	REC: RMS 1E-161, 1E-160	20 A	1	12	12	12	3/4"			1.44	0			--	--	--	--	--	--	--	70	--
	71	REC: RMS 1E-159, 1E-158	20 A	1	12	12	12	3/4"					1.44	1.08	3/4"	12	12	12	1	20 A	REC: RMS 1E-161, 1E-160,...	72	
	73	REC: RMS 1E-157, 1E-181	20 A	1	12	12	12	3/4"	1.44	1.08					3/4"	12	12	12	1	20 A	REC: RMS 1E-158, 1E-157,...	74	
	75	REC: RMS 1E-180, 1E-179	20 A	1	12	12	12	3/4"			1.44	1.08			3/4"	12	12	12	1	20 A	REC: RMS 1E-181, 1E-180,...	76	
	77	REC: RMS 1E-178, 1E-177	20 A	1	12	12	12	3/4"					1.44	0.72	3/4"	12	12	12	1	20 A	REC: RMS 1E-178, 1E-177	78	
	79	REC: RMS 1E-143, 1E-144	20 A	1	12	12	12	3/4"	1.08	1.26					3/4"	12	12	12	1	20 A	REC: CORRIDOR 100	80	
	81	PRINTER: GI CLINICAL...	20 A	1	12	12	12	3/4"			0.3	0			--	--	--	--	1	20 A	SPARE	82	--
	83	PACK WRAP: STERILE...	20 A	1	12	12	12	3/4"					0	0	--	--	--	--	1	20 A	SPARE	84	--
								Total Load:	22.70 kVA		21.05 kVA			17.26 kVA								
								Total Amps:	194.03		180.28			143.83								

LOAD SUMMARY

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
Power	5.6 kVA	100.00%	5.6 kVA
Receptacles	55.41 kVA	59.02%	32.705 kVA

TOTALS*	
TOTAL CONNECTED LOAD:	61.01 kVA
TOTAL ESTIMATED DEMAND LOAD:	38.305 kVA
TOTAL CONNECTED AMPS:	169.35 A
TOTAL ESTIMATED DEMAND AMPS:	106.3 A

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES: A - EXISTING 3P, 40AMP CIRCUIT BREAKER TO BE REPLACED NEW. MATCH EXISTING CIRCUIT BREAKER TYPE AND MANUFACTURER AS EXISTING CIRCUIT BREAKERS IN THIS PANEL.

PANEL E1-33-LC

MOUNTING: RECESSED
ENCLOSURE: NEMA PB 1
FED FROM: 0 A/0P @
LOCATION: OR (LARGE) 1E-229

SOLID NEUTRAL
GROUND BUS

MAIN: 100 A MCB
VOLTS: 120 ISO SECONDARY
PHASE: 1
WIRE: 3
SCCR: 10 kA
ISC UNKNOWN 0.00 kA

NOTES:

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	H	WIRE SIZE N	G	C	A	B	C	WIRE SIZE C	G	N	H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY
	1	LTS: OR (LARGE) 1E-229	20 A	1	12	12	12	3/4"	1.27	0.36		3/4"	12	12	12	1	20 A	REC: OR (LARGE) 1E-229	2	
	3	REC: OR (LARGE) 1E-229	20 A	1	12	12	12	3/4"			0.36	0.36	3/4"	12	12	12	1	20 A	REC: OR (LARGE) 1E-229	4	
	5	REC: OR (LARGE) 1E-229	20 A	1	12	12	12	3/4"	0.36	0.3			3/4"	12	12	12	1	20 A	BOOM: OR (LARGE) 1E-229	6	
	7	REC: OR (LARGE) 1E-229	20 A	1	12	12	12	3/4"			0.36									8	
	9																			10	
	11																			12	
	13																			14	
	15																			16	
	17																			18	
	19																			20	
	21																			22	
	23																			24	
	25																			26	
	27																			28	
	29																			30	
	31																			32	
	33																			34	
	35																			36	
	37																			38	
	39																			40	
	41																			42	
								Total Load:	2.29 kVA	1.08 kVA										
								Total Amps:	28.06	18.00										

LOAD SUMMARY

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
Lighting	1.267 kVA	100.00%	1.267 kVA
Power	0.3 kVA	100.00%	0.3 kVA
Receptacles	1.8 kVA	100.00%	1.8 kVA

TOTALS*	
TOTAL CONNECTED LOAD:	3.37 kVA
TOTAL ESTIMATED DEMAND LOAD:	3.367 kVA
TOTAL CONNECTED AMPS:	28.06 A
TOTAL ESTIMATED DEMAND AMPS:	28.1 A

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES:

PANEL E1-27-LC

MOUNTING: SURFACE
ENCLOSURE: NEMA PB 1
FED FROM: 0 A/0P @
LOCATION: ELEC 1E-162

SOLID NEUTRAL
GROUND BUS

MAIN: 100 A MCB
VOLTS: 120/208 Wye
PHASE: 3
WIRE: 4
SCCR: 65 kA
ISC UNKNOWN 0.00 kA

NOTES:

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	H	WIRE SIZE N	G	C	A	B	C	WIRE SIZE C	G	N	H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY
	1	REC: PRE/POST GI 1E-136	20 A	1	12	12	12	3/4"	0.9	0.9		3/4"	12	12	12	1	20 A	REC: PRE/POST GI 1E-137	2	
	3	REC: PRE/POST GI 1E-134	20 A	1	12	12	12	3/4"			0.9	0.9	3/4"	12	12	12	1	20 A	REC: PRE/POST GI 1E-138	4	
	5	REC: PRE/POST GI 1E-132	20 A	1	12	12	12	3/4"					0.9	0.9	3/4"	12	12	12	1	20 A	REC: PRE/POST GI 1E-135	6	
	7	REC: PRE/POST GI 1E-130	20 A	1	12	12	12	3/4"	0.9	0.9					3/4"	12	12	12	1	20 A	REC: PRE/POST GI 1E-133	8	
	9	REC: PRE/POST GI 1E-128	20 A	1	12	12	12	3/4"			0.9	0			--	--	--	--	1	20 A	EX CAB WARMER: SUB STERILE	10	--
	11	REC: PRE/POST GI 1E-126	20 A	1	12	12	12	3/4"					0.9	0.9	3/4"	12	12	12	1	20 A	REC: PRE/POST GI 1E-131	12	
	13	REC: PRE/POST GI 1E-124	20 A	1	12	12	12	3/4"	0.9	0.9					3/4"	12	12	12	1	20 A	REC: PRE/POST GI 1E-129	14	
	15	REC: GI NURSE STATION 1E-120	20 A	1	10	10	10	3/4"			1.08	0.9			3/4"	12	12	12	1	20 A	REC: PRE/POST GI 1E-127	16	
	17	REC: GI NURSE STATION 1E-120	20 A	1	10	10	10	3/4"					1.08	0.9	3/4"	12	12	12	1	20 A	REC: PRE/POST GI 1E-125	18	
	19	REC: PRE/POST PROCEDURE...	20 A	1	12	12	12	3/4"	0.9	0.3					3/4"	12	12	12	1	20 A	CRASH CART: ALCOVE 1E-122	20	
	21	REC: PRE/POST PROCEDURE...	20 A	1	12	12	12	3/4"			0.9	0.75			3/4"	12	12	12	1	20 A	FRIDGE: MED ROOM 1E-143	22	
	23	REC: PRE/POST PROCEDURE...	20 A	1	12	12	12	3/4"					0.9	0.5	3/4"	12	12	12	1	20 A	MED TOWER: MED ROOM...	24	
--	25	EX REC: DATA CLOSET	20 A	1	--	--	--	--	0	0.9					3/4"	12	12	12	1	20 A	REC: PRE/POST OR EXISTING...	26	
	27	REC: PRE/POST PROCEDURE...	20 A	1	12	12	12	3/4"			0.9	0.9			3/4"	12	12	12	1	20 A	REC: PRE/POST OR EXISTING...	28	
	29	REC: PRE/POST PROCEDURE...	20 A	1	12	12	12	3/4"					0.9	0.9	3/4"	12	12	12	1	20 A	REC: PRE/POST OR EXISTING...	30	
	31	REC: PRE/POST PROCEDURE...	20 A	1	12	12	12	3/4"	0.9	0.9					3/4"	12	12	12	1	20 A	REC: PRE/POST OR EXISTING...	32	
	33	REC: PRE/POST PROCEDURE...	20 A	1	12	12	12	3/4"			0.9	0.9			3/4"	12	12	12	1	20 A	REC: PRE/POST OR EXISTING...	34	
	35	REC: PRE/POST OR EXISTING...	20 A	1	12	12	12	3/4"					0.9	0.9	3/4"	12	12	12	1	20 A	REC: PRE/POST OR EXISTING...	36	
	37	REC: PRE/POST OR 1E-177	20 A	1	12	12	12	3/4"	0.9	0.9					3/4"	12	12	12	1	20 A	REC: PRE/POST OR EXISTING...	38	
	39	SUMP PUMP: ELEVATOR PIT	20 A	1	10	10	10	3/4"			1	0.9			3/4"	12	12	12	1	20 A	REC: PRE/POST OR EXISTING...	40	
	41	FRIDGE: NOURISH 1E-123	20 A	1	12	12	12	3/4"					0.75	0	--	--	--	--	1	20 A	SPARE	42	--
								Total Load:	11.10 kVA		11.83 kVA			11.33 kVA							
								Total Amps:	92.50		98.88			94.71							

LOAD SUMMARY

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
Receptacles	34.26 kVA	64.59%	22.13 kVA

TOTALS*	
TOTAL CONNECTED LOAD:	34.26 kVA
TOTAL ESTIMATED DEMAND LOAD:	22.13 kVA
TOTAL CONNECTED AMPS:	95.10 A
TOTAL ESTIMATED DEMAND AMPS:	61.4 A

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES:

PANEL E1-34-LC

MOUNTING: RECESSED
ENCLOSURE: NEMA PB 1
FED FROM: 0 A/0P @
LOCATION: OR 1E-231

SOLID NEUTRAL
GROUND BUS

MAIN: 100 A MCB
VOLTS: 120 ISO SECONDARY
PHASE: 1
WIRE: 3
SCCR: 10 kA
ISC UNKNOWN 0.00 kA

NOTES:

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	H	WIRE SIZE N	G	C	A	B	C	WIRE SIZE C	G	N	H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY
	1	LTS: OR 1E-231	20 A	1	12	12	12	3/4"	1.01	0.36		3/4"	12	12	12	1	20 A	REC: OR 1E-231	2	
	3	REC: OR 1E-231	20 A	1	12	12	12	3/4"			0.36	0.36	3/4"	12	12	12	1	20 A	REC: OR 1E-231	4	
	5	REC: OR 1E-231	20 A	1	12	12	12	3/4"	0.36	0.3			3/4"	12	12	12	1	20 A	BOOM: OR 1E-231	6	
	7	REC: OR 1E-231	20 A	1	12	12	12	3/4"			0.36									8	
	9																			10	
	11																			12	
	13																			14	
	15																			16	
	17																			18	
	19																			20	
	21																			22	
	23																			24	
	25																			26	
	27																			28	
	29																			30	
	31																			32	
	33																			34	
	35																			36	
	37																			38	
	39																			40	
	41																			42	
								Total Load:	2.03 kVA	1.08 kVA										
								Total Amps:	25.94	18.00										

LOAD SUMMARY

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
Lighting	1.013 kVA	100.00%	1.013 kVA
Power	0.3 kVA	100.00%	0.3 kVA
Receptacles	1.8 kVA	100.00%	1.8 kVA

TOTALS*	
TOTAL CONNECTED LOAD:	3.11 kVA
TOTAL ESTIMATED DEMAND LOAD:	3.113 kVA
TOTAL CONNECTED AMPS:	25.94 A
TOTAL ESTIMATED DEMAND AMPS:	25.9 A

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES:

PANEL E1-32-LC

MOUNTING: RECESSED
ENCLOSURE: NEMA PB 1
FED FROM: 0 A/0P @
LOCATION: OR 1E-227

SOLID NEUTRAL
GROUND BUS

MAIN: 100 A MCB
VOLTS: 120 ISO SECONDARY
PHASE: 1
WIRE: 3
SCCR: 10 kA
ISC UNKNOWN 0.00 kA

NOTES:

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	H	WIRE SIZE N	G	C	A	B	WIRE SIZE C	G	N	H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY
	1	LTS: OR 1E-227	20 A	1	12	12	12	3/4"	1.27	0.36	3/4"	12	12	12	1	20 A	REC: OR 1E-227	2	
	3	REC: OR 1E-227	20 A	1	12	12	12	3/4"				0.36	0.36	3/4"	12	12	12	1	20 A	REC: OR 1E-227	4	
	5	REC: OR 1E-227	20 A	1	12	12	12	3/4"	0.36	0.3	3/4"	12	12	12	1	20 A	BOOM: OR 1E-227	6	
	7	REC: OR 1E-227	20 A	1	12	12	12	3/4"		0.36								8	
	9																	10	
	11																	12	
	13																	14	
	15																	16	
	17																	18	
	19																	20	
	21																	22	
	23																	24	
	25																	26	
	27																	28	
	29																	30	
	31																	32	
	33																	34	
	35																	36	
	37																	38	
	39																	40	
	41																	42	
								Total Load:	2.29 kVA	1.08 kVA									
								Total Amps:	28.06	18.00									

LOAD SUMMARY

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
Lighting	1.267 kVA	100.00%	1.267 kVA
Power	0.3 kVA	100.00%	0.3 kVA
Receptacles	1.8 kVA	100.00%	1.8 kVA

TOTALS*	
TOTAL CONNECTED LOAD:	3.37 kVA
TOTAL ESTIMATED DEMAND LOAD:	3.367 kVA
TOTAL CONNECTED AMPS:	28.06 A
TOTAL ESTIMATED DEMAND AMPS:	28.1 A

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES:

PANEL E2-1-HN

MOUNTING: SURFACE
ENCLOSURE: NEMA PB 1
FED FROM: 0 A/0P @
LOCATION:

SOLID NEUTRAL
GROUND BUS

MAIN: 225 A MCB
VOLTS: 480/277 Wye
PHASE: 3
WIRE: 4
SCCR: 65 kA
ISC UNKNOWN 0.00 kA

NOTES:

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	H	WIRE SIZE N	G	A	B	C	WIRE SIZE G	N	H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY
--	1	EXISTING LOAD	20 A	1	--	--	--	0	0		--	--	--	1	20 A	EXISTING LTS 2E294, 296 VIA RC-1	2	--
--	3	EXISTING LTS 2E257-261, 255, 255	20 A	1	--	--	--		0	0	--	--	--	1	20 A	EXISTING LTS 2E207A-207C, 208 VIA RC-1	4	--
--	5	EXISTING LTS 2E208-212, 214, 216-218	20 A	1	--	--	--			0	0	--	--	1	20 A	EXISTING LTS 2E297-299, 295 VIA RC-1	6	--
--	7	EXISTING LTS 2E237-241, 243-246, 249-253	20 A	1	--	--	--	0	0		--	--	--	1	20 A	EXISTING LTS CENTER AREA	8	--
--	9	EXISTING SIGNAGE	20 A	1	--	--	--		0	0	--	--	--	1	20 A	EXISTING LTS 2E280-281, 2E286-293	10	--
--	11	EXISTING LTS 2E65, 144, 146, 148 & 151-155	20 A	1	--	--	--			0	0	--	--	1	20 A	EXISTING LTS 2E275-279, 2E282-285, 2E219, 2E224	12	--
--	13	EXISTING LTS 2E141, 137, 149, 138, 136 &135	20 A	1	--	--	--	0	**2.21**			**10**	**10**	**1**	**20 A**	**LTS WAITING, ADMIN AREA**	**14**	***E**
--	15	EXISTING LTS: EXPANSION CORRIDOR	20 A	1	--	--	--		0	**3.76**				**10**	**10**	**10**	**1**	**20 A**	**LTS 2ND FLR ROOMS 301-344**	**16**	***E**
***E**	**17**	**LTS 2ND FLR IMAGING 112-121**	**20 A**	**1**	**10**	**10**	**10**				**2.07**	**3.88**	**10**	**10**	**10**	**1**	**20 A**	**LTS 2ND FLR ROOMS 201-237**	**18**	***E**
***N**	**19**	**LTS 2ND FLR ROOMS 405-407, 414-416,...**	**20 A**	**1**	**10**	**10**	**10**	**2.4**	**1.39**					**10**	**10**	**10**	**1**	**20 A**	**LTS 2ND FLR 238-242, 420-423**	**20**	***E**
***N**	**21**	**LTS 2ND FLR 402-404, 408-413, 417-419, 424-429**	**20 A**	**1**	**10**	**10**	**10**			**1.6**	**1.73**			**10**	**10**	**10**	**1**	**20 A**	**LTS 2ND FLR NORTH CORRIDORS**	**22**	***N**
--	23	SPARE	20 A	1	--	--	--					0	**1.61**	**10**	**10**	**10**	**1**	**20 A**	**LTS 2ND FLR SOUTH CORRIDORS**	**24**	***N**
	25														

1/16/2023 7:33:58 PM

PANEL E2-3-HLS

MOUNTING: SURFACE
ENCLOSURE: NEMA PB 1
FED FROM: 0 A/0P @
LOCATION:

SOLID NEUTRAL GROUND BUS

MAIN: 60 A MCB
VOLTS: 480/277 Wye
PHASE: 3
WIRE: 4
SCCR: 65 kA
ISC UNKNOWN 0.00 kA

NOTES:

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	WIRE SIZE H	N	G	C	A	B	C	WIRE SIZE G	N	H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY
--	1	EXISTING LOAD	20 A	1	--	--	--	--	0	0		--	--	--	1	20 A	EXISTING LOAD	2	--
--	3	EXISTING LOAD	20 A	1	--	--	--	--		0	0	--	--	--	1	20 A	EXISTING LOAD	4	--
--	5	EXISTING 2ND FLR TEMPORARY LIGHTS	20 A	1	--	--	--	--			0	--	--	--	1	20 A	EXISTING NURSE'S STATIONS & 2E143	6	--
*E	7	2ND FLR EGRESS LIGHTS, EXIT SIGNS	20 A	1	10	10	10	1.98	0			--	--	--	1	20 A	EXPANSION CORRIDOR LIGHTS	8	--
*E	9	3RD FLR EGRESS LIGHTS, EXIT SIGNS	20 A	1	10	10	10			1.66	0	--	--	--	1	--	SPACE	10	--
--	11	SPARE	20 A	1	--	--	--				0	0	--	--	1	--	SPACE	12	--
--	13	SPACE	--	1	--	--	--	--	0			--	--	--	1	--	SPACE	14	--
--	15	SPACE	--	1	--	--	--			--	--	--	--	--	1	--	SPACE	16	--
--	17	SPACE	--	1	--	--	--					--	--	--	1	--	SPACE	18	--
--	19	SPACE	--	1	--	--	--	--				--	--	--	1	--	SPACE	20	--
--	21	SPACE	--	1	--	--	--			--	--	--	--	--	1	--	SPACE	22	--
--	23	SPACE	--	1	--	--	--					--	--	--	1	--	SPACE	24	--
--	25	SPACE	--	1	--	--	--	--				--	--	--	1	--	SPACE	26	--
--	27	SPACE	--	1	--	--	--		0	--	--	--	--	--	1	--	SPACE	28	--
--	29	SPACE	--	1	--	--	--					--	--	--	1	--	SPACE	30	--
--	31	SPACE	--	1	--	--	--	--				--	--	--	1	--	SPACE	32	--
--	33	SPACE	--	1	--	--	--			--	--	--	--	--	1	--	SPACE	34	--
--	35	SPACE	--	1	--	--	--					--	--	--	1	--	SPACE	36	--
--	37	SPACE	--	1	--	--	--	--				--	--	--	1	--	SPACE	38	--
--	39	SPACE	--	1	--	--	--			--	--	--	--	--	1	--	SPACE	40	--
--	41	SPACE	--	1	--	--	--					--	--	--	1	--	SPACE	42	--
		Total Load:							1.98 kVA	1.66 kVA	0.00 kVA								
		Total Amps:							8.06	6.90	0.00								

LOAD SUMMARY

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
Lighting	3.633 kVA	100.00%	3.633 kVA

TOTALS*	
TOTAL CONNECTED LOAD:	3.63 kVA
TOTAL ESTIMATED DEMAND LOAD:	3.633 kVA
TOTAL CONNECTED AMPS:	4.37 A
TOTAL ESTIMATED DEMAND AMPS:	4.4 A

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES:

PANEL E2-4-LC

MOUNTING: SURFACE
ENCLOSURE: NEMA PB 1
FED FROM: 0 A/0P @
LOCATION:

SOLID NEUTRAL GROUND BUS

MAIN: 60 A MCB
VOLTS: 120/208 Wye
PHASE: 3
WIRE: 4
SCCR: 65 kA
ISC UNKNOWN 0.00 kA

NOTES:

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	WIRE SIZE H	N	G	C	A	B	C	WIRE SIZE C	G	N	H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY
	1	LTS 2ND FLR ELECTRICAL...	20 A	1	12	12	12	3/4"	0.08										2	
	3																		4	
	5																		6	
	7																		8	
	9																		10	
	11																		12	
	13																		14	
	15																		16	
	17																		18	
	19																		20	
	21																		22	
	23																		24	
	25																		26	
	27																		28	
	29																		30	
	31																		32	
	33																		34	
	35																		36	
	37																		38	
	39																		40	
	41																		42	
		Total Load:							0.08 kVA	0.00 kVA	0.00 kVA									
		Total Amps:							0.67	0.00	0.00									

LOAD SUMMARY

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
Lighting	0.08 kVA	100.00%	0.08 kVA

TOTALS*	
TOTAL CONNECTED LOAD:	0.08 kVA
TOTAL ESTIMATED DEMAND LOAD:	0.08 kVA
TOTAL CONNECTED AMPS:	0.22 A
TOTAL ESTIMATED DEMAND AMPS:	0.2 A

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES:

PANEL E2-7-LN

MOUNTING: SURFACE
ENCLOSURE: NEMA PB 1
FED FROM: 0 A/0P @
LOCATION: ELEC 2E-419

SOLID NEUTRAL GROUND BUS

MAIN: 225 A MCB
VOLTS: 120/208 Wye
PHASE: 3
WIRE: 4
SCCR: 10 kA
ISC UNKNOWN 0.00 kA

NOTES:

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	WIRE SIZE H	N	G	C	A	B	C	WIRE SIZE C	G	N	H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY
	1	REC: RMS 2E-439, 2E-417	20 A	1	12	12	12	3/4"	1.44	1.08							20 A	REC: MID LEVEL 2E-424	2	
	3	REC: RMS 2E-439, 2E-440	20 A	1	12	12	12	3/4"			1.44	1.08					20 A	REC: MID LEVEL 2E-424	4	
	5	REC: SHOULDER/HIP/ KNEE T...	20 A	1	12	12	12	3/4"					1.26	1.26			20 A	REC: MID LEVEL 2E-424	6	
	7	REC: SHOULDER/HIP/ KNEE T...	20 A	1	12	12	12	3/4"	1.08	1.08							20 A	REC: RMS 2E-422, 2E-424	8	
	9	REC: SHOULDER/HIP/ KNEE T...	20 A	1	12	12	12	3/4"			1.08	0.75					20 A	PRINTER: MID LEVEL 2E-424	10	
	11	REC: PAIN TC 2E-415	20 A	1	12	12	12	3/4"					1.26	1.08			20 A	REC: WORK COMP 2E-422	12	
	13	REC: PAIN TC 2E-415	20 A	1	12	12	12	3/4"	1.26	1.08							20 A	REC: WORK COMP 2E-422	14	
	15	REC: PAIN TC 2E-415	20 A	1	12	12	12	3/4"			1.08	1					20 A	MFD: WORK COMP 2E-422	16	
	17	FRIDGE: PROVIDER OFFICE...	20 A	1	12	12	12	3/4"					0.75	1.02			20 A	REC & SHREDDER: RMS 2E-42...	18	
	19	FRIDGE: PROVIDER OFFICE...	20 A	1	12	12	12	3/4"	0.75	1.08							20 A	REC: PHONE ROOM 2E-421	20	
	21	MFD: SHOULDER/HIP/ KNEE T...	20 A	1	12	12	12	3/4"			1	1.08					20 A	REC: PHONE ROOM 2E-421	22	
	23	MFD: PAIN TC 2E-415	20 A	1	12	12	12	3/4"					1	1.08			20 A	REC: PHONE ROOM 2E-421	24	
	25	REC: RMS 2E-435, 2E-436	0 A	1					1.62	1.08							20 A	REC: PHONE ROOM 2E-421	26	
	27	REC: RMS 2E-437, 2E-436	0 A	1							1.62	1					20 A	MFD: PHONE ROOM 2E-421	28	
	29	REC: RMS 2E-444, 2E-443	0 A	1									1.62	1.08			20 A	REC: IT OFFICE 2E-423	30	
	31	REC: RMS 2E-442, 2E-443	0 A	1					1.62	0.75							20 A	COMPUCADDY: IT OFFICE...	32	
	33	REC: RMS 2E-445, 2E-446	0 A	1							1.62	0.75					20 A	COMPUCADDY: IT OFFICE...	34	
	35	REC: RMS 2E-447, 2E-446	0 A	1									1.62	0.54			20 A	REC: IT OFFICE 2E-423	36	
	37	REC: RMS 2E-419, 2E-418	0 A	1					1.62	1.26							20 A	REC: RMS 2E-430, 2E-429	38	
	39	REC: RMS 2E-418, 2E-413	0 A	1							1.62	1.26					20 A	REC: RMS 2E-428, 2E-427,...	40	
	41	REC: RMS 2E-412, 2E-410	0 A	1									1.62	0.5			20 A	AUTOCLAVE: SOILED HOLD...	42	
	43	REC: RMS 2E-409, 2E-410	0 A	1					1.62	1.08							15 A	REC: 2E-434	44	
	45	REC: RMS 2E-408, 2E-404	0 A	1							1.62	1.44					15 A	REC: 2E-433 & TLT 430 & 431	46	
	47	REC: RMS 2E-403, 2E-404	0 A	1									1.62	1.08			20 A	REC: RMS 2E-407, 2E-449	48	
	49	REC: RMS 2E-455, 2E-347	0 A	1					1.62	1.08							20 A	REC: RMS 2E-406, 2E-450	50	
	51	REC: RMS 2E-342, 2E-347	0 A	1							1.62	1.08					20 A	REC: RMS 2E-405, 2E-451	52	
	53	REC: RMS 2E-345, 2E-346	0 A	1									1.62	0.75			20 A	FRIDGE: PROVIDER OFFICE...	54	
	55	REC: RMS 2E-343, 2E-346	0 A	1					1.62	0.75							20 A	FRIDGE: PROVIDER OFFICE...	56	
	57	REC: RMS 2E-420, 2E-245,...	20 A	1	12	12	12	3/4"			1.26	0.75					20 A	FRIDGE: PROVIDER OFFICE...	58	
	59	REC: RMS 2E-246, 2E-402	20 A	1	12	12	12	3/4"					1.08	0.75			20 A	FRIDGE: PROVIDER OFFICE...	60	
	61	REC: RMS 2E-241, 2E-244,...	20 A	1	12	12	12	3/4"	1.44	0.75							20 A	FRIDGE: PROVIDER OFFICE...	62	
	63	MFD: ADMIN WORK AREA 2E-243	20 A	1	12	12	12	3/4"			1	0.75					20 A	FRIDGE: URGENT CARE...	64	
	65	REC: MID LEVEL 2E-239	20 A	1	12	12	12	3/4"					1.08	1.44			20 A	REC: CORRIDOR 2E-400	66	
	67	REC: RMS 2E-240, 2E-239	20 A	1	10	10	10	3/4"	1.44	1.44							20 A	REC: CORRIDOR 2E-400	68	
	69	REC: CONFERENCE 2E-238	20 A	1	10	10	10	3/4"			1.08	1.5					20 A	FRIDGE: STAFF LOUNGE 2E-235	70	
	71	FB: CONFERENCE 2E-238	20 A	1	12	12	12	3/4"					0.5	1.5			20 A	FRIDGE: STAFF LOUNGE 2E-235	72	
	73	REC: RMS 2E-238, 2E-236	20 A	1	10	10	10	3/4"	1.26	1.5							20 A	FRIDGE: STAFF LOUNGE 2E-235	74	
	75	FRIDGE: CONFERENCE 2E-238	20 A	1	12	12	12	3/4"			0.75	1					20 A	MICROWAVE: STAFF LOUNGE...	76	
	77	MICROWAVE: CONFERENCE...	20 A	1	12	12	12	3/4"					1	1			20 A	MICROWAVE: STAFF LOUNGE...	78	
	79	COFFEE: STAFF LOUNGE 2E-235	20 A	1	8	8	8	3/4"	1.5	1							20 A	DISH WASHER: STAFF LOUNG...	80	A
	81	COFFEE & WATER DISP. SL,...	20 A	1	8	8	8	3/4"			1.5	1.26					20 A	REC: STAFF LOUNGE 2E-235	82	
	83	VENDING: STAFF LOUNGE...	20 A	1	10	10	10	3/4"					1.5	1.1			20 A	REC: RMS 2E-235, 2E-233,...	84	
	85	VENDING: STAFF LOUNGE...	20 A	1	8	8	8	3/4"	1.5	1.08							20 A	REC: CORRIDOR 200	86	
	87	REC: TECH WORK 2E-116	20 A	1	10	10	10	3/4"			1.08	1.08					20 A	REC: DME WORK 2E-124	88	
	89	REC: TECH WORK 2E-116	20 A	1	12	12	12	3/4"					1.08	1.08			20 A	REC: DME WORK 2E-124	90	
	91	REC: TECH WORK 2E-116	20 A	1	12	12	12	3/4"	0.9	1.08							20 A	REC: RMS 2E-124, 2E-123,...	92	
	93	MFD: TECH WORK 2E-116	20 A	1	10	10	10	3/4"			1	0.3					20 A	PRINTER: DME WORK 2E-124	94	
	95	FINANCIAL MANAGER...	20 A	1	10	10	10	3/4"					1.44	0.9			20 A	REC: X-RAY GE 2E-119	96	
	97	REC: X-RAY SAMSUNG 2E-121	20 A	1	12	12	12	3/4"	0.9	0.72							20 A	REC: X-RAY GE 2E-119	98	
	99	REC: X-RAY SAMSUNG 2E-121	20 A	1	12	12	12	3/4"			0.72	0.9					20 A	REC: X-RAY GE 2E-118	100	
	101	REC: X-RAY SM 2E-115	20 A	1	10	10	10	3/4"					0.9	0.72			20 A	REC: X-RAY GE 2E-118	102	
	103	REC: X-RAY SM 2E-115	20 A	1	12	12	12	3/4"	0.72	0.9							20 A	REC: X-RAY SAMSUNG 2E-117	104	
	105	REC: CORRIDOR 2E-122	20 A	1	12	12	12	3/4"			0.54	0.72					20 A	REC: X-RAY SAMSUNG 2E-117	106	
	107	COFFEE: STAFF LOUNGE 2E-235	20 A	1	8	8	8	3/4"					1.5	0.3			20 A	WATER DISP: STAFF LOUNGE...	108	
	109	IT RACK: IT CLOSET 2E-111	30 A	2	10	--	10	3/4"	1	0.36							20 A	REC: IT CLOSET 2E-111	110	
--	111	--	--	--	--	--	--	--	--		1	0.5					20 A	FB: CONFERENCE 2E-238	112	
	113	EXPEDITOR SYSTEM: ELEC...	20 A	1	12	12	12	3/4"					0.5	0.5			20 A	VAV BOX XFMR: ELEC 2E-419	114	
--	115	SPARE	20 A	1	--	--	--	--	0	0							20 A	SPARE	116	--
--	117	SPARE	20 A	1	--	--	--	--			0	0					20 A	SPARE	118	--
--	119	SPARE	20 A	1	--	--	--	--					0	0			20 A	SPARE	120	--
--	121	SPARE	20 A	1	--	--	--	--	0	0							20 A	SPARE	122	--
--	123	SPARE	20 A	1	--	--	--	--			0	0					20 A	SPARE	124	--
--	125	SPARE	20 A	1	--	--	--	--					0	0			20 A	SPARE	126	--
--	127	SPARE	20 A	1	--	--	--	--	0	0							20 A	SPARE	128	--
--	129	SPARE	20 A	1	--	--	--	--			0	0					20 A	SPARE	130	--
--	131	SPARE	20 A	1	--	--	--	--					0	0			20 A	SPARE	132	--
--	133	SPARE	20 A	1	--	--	--	--	0	0							20 A	SPARE	134	--
--	135	SPARE	20 A	1	--	--	--	--			0	0					20 A	SPARE	136	--
--	137	SPARE	20 A	1	--	--	--	--					0	0			20 A	SPARE	138	--
--	139	SPARE	20 A	1	--	--	--	--	0	0							20 A	SPARE	140	--
--	141	SPARE	20 A	1	--	--	--	--			0	0					20 A	SPARE	142	--
--	143	SPARE	20 A	1	--	--	--	--					0	0			20 A	SPARE	144	--
--	145	SPARE	20 A	1	--	--	--	--	0	0							20 A	SPARE	146	--
--	147	SPARE	20 A	1	--	--	--	--			0	0					20 A	SPARE	148	--
--	149	SPARE	20 A	1	--	--	--	--					0	0			20 A	SPARE	150	--
--	151	SPARE	20 A	1	--	--	--	--	0	0							20 A	SPARE	152	--
--	153	SPARE	20 A	1	--	--	--	--			0	0					20 A	SPARE	154	--
--	155	SPARE	20 A	1	--	--	--	--					0	0			20 A	SPARE	156	--
--	157	SPARE	20 A	1	--	--	--	--	0	0							20 A	SPARE	158	--
--	159	SPARE	20 A	1	--	--	--	--			0	0					20 A	SPARE	160	--
--	161	SPARE	20 A	1	--	--	--	--					0	0			20 A	SPARE	162	--
--	163	SPARE	20 A	1	--	--	--	--	0	0							20 A	SPARE	164	--
--	165	SPARE	20 A	1	--	--	--	--			0	0					20 A	SPARE	166	--
--	167	SPARE	20 A	1	--	--	--	--					0	0			20 A	SPARE	168	--
		Total Load:							44.06 kVA	40.83 kVA	40.63 kVA									
		Total Amps:							367.42	340.51	338.58									

LOAD SUMMARY

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
Power	2.5 kVA	100.00%	2.5 kVA
Receptacles	123.02 kVA	54.06%	66.51 kVA

TOTALS*	
TOTAL CONNECTED LOAD:	125.52 kVA
TOTAL ESTIMATED DEMAND LOAD:	69.01 kVA
TOTAL CONNECTED AMPS:	348.41 A
TOTAL ESTIMATED DEMAND AMPS:	191.6 A

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES: A - PROVIDE GFCI CIRCUIT BREAKER.

PANEL E2-12-LN

MOUNTING: SURFACE
ENCLOSURE: NEMA PB 1
FED FROM: 0 A/0P @
LOCATION: ELEC. 2E-323

SOLID NEUTRAL GROUND BUS

MAIN: 200 A MCB
VOLTS: 120/208 Wye
PHASE: 3
WIRE: 4
SCCR: 10 kA
ISC UNKNOWN 0.00 kA

NOTES:

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	WIRE SIZE H	N	G	C	A	B	C	WIRE SIZE G	N	H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY
	1	REC: HAND TC 2E-206	20 A	1	8	8	8	3/4"	1.26	1.08							20 A	REC: FOOT/ANKLE TC 2E-306	2	
	3	REC: HAND TC 2E-206	20 A	1	10	10	10	3/4"			1.08	1.08					20 A	REC: FOOT/ANKLE TC 2E-306	4	
	5	MFD: HAND TC 2E-206	20 A	1	10	10	10	3/4"					1	1.08			20 A	REC: FOOT/ANKLE TC 2E-306	6	
	7	REC: RMS 2E-207, 2E-208	20 A	1	8	8	8	3/4"	1.44	1.26							20 A	REC: FOOT/ANKLE TC 2E-306	8	
	9	REC: RMS 2E-209, 2E-219	20 A	1	8	8	8	3/4"			1.44	0.18					20 A	REC: FOOT/ANKLE TC 2E-306	10	
	11	FRIDGE: PROVIDER OFFICE...	20 A	1	10	10	10	3/4"					0.75	1.44			20 A	REC: RMS 2E-316, 2E-317	12	
	13	FRIDGE: PROVIDER OFFICE...	20 A	1	10	10	10	3/4"	0.75	1.44							20 A	REC: RMS 2E-318, 2E-319	14	
	15	FRIDGE: PROVIDER OFFICE...	20 A	1	10	10	10	3/4"			0.75	1.44					20 A	REC: RMS 2E-329, 2E-330	16	
	17	FRIDGE: PROVIDER OFFICE...	20 A	1	12	12	12	3/4"					0.75	0.75			20 A	FRIDGE: PROVIDER OFFICE...	18	
	19	REC: GENERAL ORTHO/SPINE...	20 A	1	10	10	10	3/4"	1.08	0.75							20 A	FRIDGE: PROVIDER OFFICE...	20	
	21	REC: GENERAL ORTHO/SPINE...	20 A	1	10	10	10	3/4"			1.26	0.75					20 A	FRIDGE: PROVIDER OFFICE...	22	
	23	REC: GENERAL ORTHO/SPINE...	20 A	1	10	10	10	3/4"					1.08	0.75			20 A	FRIDGE: PROVIDER OFFICE...	24	
	25	REC: GENERAL ORTHO/SPINE...	20 A	1	10	10	10	3/4"	1	0.75							20 A	FRIDGE: PROVIDER OFFICE...	26	
	27	REC: RMS 2E-231, 2E-230	20 A	1	10	10	10	3/4"			1.44	0.75					20 A	FRIDGE: PROVIDER OFFICE...	28	
	29	REC & PRINTER: MID LEVEL...	20 A	1	10	10	10	3/4"					0.72	1.62			1	0 A	REC: RMS 2E-304, 2E-305	30	
	31	REC: MID LEVEL OFFICE 2E-232	20 A	1	10	10	10	3/4"	1.26	1.62							1	0 A	REC: RMS 2E-303, 2E-304	32	
	33	FRIDGE: PROVIDER OFFICE...	20 A	1	12	12	12	3/4"			0.75	1.62					1	0 A	REC: RMS 2E-308, 2E-309	34	
	35	FRIDGE: PROVIDER OFFICE...	20 A	1	12	12	12	3/4"					0.75	1.62			1	0 A	REC: RMS 2E-310, 2E-309	36	
	37	REC: RMS 2E-328, 2E-327	0 A	1					1.62	1.62							1	0 A	REC: RMS 2E-315, 2E-314	38	
	39	REC: RMS 2E-326, 2E-327	0 A	1							1.62	1.62					1	0 A	REC: RMS 2E-313, 2E-314	40	
	41	REC: RMS 2E-333, 2E-334	0 A	1									1.62	1.62			1	0 A	REC: RMS 2E-321, 2E-322	42	
	43	REC: RMS 2E-339, 2E-333	0 A	1					1.62	1.62							1	0 A	REC: RMS 2E-322, 2E-323	44	
	45	REC: RMS 2E-338, 2E-337	0 A	1							1.62	1.62					1	0 A	REC: RMS 2E-201, 2E-202	46	
	47	REC: RMS 2E-344, 2E-337	0 A	1									1.62	1.62			1	0 A	REC: RMS 2E-203, 2E-202	48	
	49	REC: RMS 2E-102, 2E-103,...	20 A	1	10	10	10	3/4"	1.26	1.62							1	0 A	REC: RMS 2E-204, 2E-205	50	
	51	ICE MAKER: NOURISH 2E-105	20 A	1	12	12	12	3/4"			0.8	1.62					1	0 A	REC: RMS 2E-205, 2E-206	52	
	53	COFFEE: NOURISH 2E-105	20 A	1	12	12	12	3/4"					1	1.62			1	0 A	REC: RMS 2E-212, 2E-213	54	
	55	EWC: WAITING 2E-101	20 A	1	12	12	12	3/4"	0.3	1.62							1	0 A	REC: RMS 2E-218, 2E-212	56	
	57	REC: CHECK OUT 2E-106	20 A	1	12	12	12	3/4"			1.08	1.62					1	0 A	REC: RMS 2E-223, 2E-222	58	
	59	REC: CHECK OUT 2E-106	20 A	1	12	12	12	3/4"					1.08	1.62			1	0 A	REC: RMS 2E-221, 2E-222	60	
	61	REC: CHECK IN 2E-107 & CHE...	20 A	1	12	12	12	3/4"	1.08	1.62							1	0 A	REC: RMS 2E-226, 2E-227	62	
	63	REC: CHECK IN 2E-107	20 A	1	12	12	12	3/4"			1.08	1.62					1	0 A	REC: RMS 2E-228, 2E-227	64	
	65	REC: CHECK IN 2E-107	20 A	1	12	12	12	3/4"					1.08	0.18	3/4"	12	12	1	20 A	MFD: 2E-111	66	
	67	REC: CHECK OUT 2E-111	20 A	1	12	12	12	3/4"	1.08	0.18					3/4"	12	12	1	20 A	MFD: CHECK OUT 2E-106	68	
	69	REC: CHECK OUT 2E-111	20 A	1	12	12	12	3/4"			1.08	0.3			3/4"	12	12	1	20 A	REC: CHECK OUT 2E-106	70	
	71	REC: RMS 2E-111, 2E-109	20 A	1	12	12	12	3/4"					1.08	0.72	3/4"	12	12	1	20 A	REC: RMS 2E-106, 2E-110,...	72	
	73	REC: FILES 2E-108	20 A	1	12	12	12	3/4"	1.08	1.08					3/4"	12	12	1	20 A	REC: JOINT TC 2E-331	74	
	75	REC: JOINT TC 2E-331	20 A	1	12	12	12

1/16/2023 7:34:15 PM

PANEL E2-13-LC

MOUNTING: SURFACE
ENCLOSURE: NEMA PB 1
FED FROM: 0 A/0P @
LOCATION: ELEC. 2E-323

SOLID NEUTRAL
GROUND BUS

MAIN: 60 A MCB
VOLTS: 120/208 Wye
PHASE: 3
WIRE: 4
SCCR: 10 kA
ISC UNKNOWN 0.00 kA

NOTES:

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	H	WIRE SIZE N	G	C	A	B	C	WIRE SIZE C	G	N	H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY
	1	REC: CAST 2E-453	20 A	1	12	12	12	3/4"	1.08	0.9					3/4"	12	12	12	1	20 A	REC: CAST 2E-301	2	
	3	REC: EXAM #2 2E-454	20 A	1	10	10	10	3/4"			1.08	0.9			3/4"	12	12	12	1	20 A	REC: CAST 2E-302	4	
	5	CRASH CART: STORAGE 2E-426	20 A	1	12	12	12	3/4"					0.3	0.9	3/4"	12	12	12	1	20 A	REC: CAST 2E-216	6	
	7	REC: IT CLOSET 2E-111	20 A	1	12	12	12	3/4"	0.54	0.9					3/4"	10	10	10	1	20 A	REC: EXAM #8 2E-217	8	
	9	RACK: IT CLOSET 2E-111	20 A	1	12	12	12	3/4"			1	0.5			3/4"	12	--	12	3	20 A	UPS: IT CLOSET 2E-111	10	
	11	IN-ROW COOELR: IT CLOSET...	20 A	1	12	12	12	3/4"					1	0.5	--	--	--	--	--	--	--	12	--
	13	IN-ROW COOLER: IT CLOSET...	20 A	1	12	12	12	3/4"	1	0.5					--	--	--	--	--	--	--	14	--
--	15	SPARE	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	SPARE	16	--
--	17	SPARE	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	SPARE	18	--
--	19	SPARE	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	SPARE	20	--
--	21	SPARE	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	SPARE	22	--
--	23	SPARE	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	SPARE	24	--
--	25	SPARE	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	SPARE	26	--
--	27	SPARE	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	SPARE	28	--
--	29	SPACE	--	1	--	--	--	--					--	--	--	--	--	--	1	--	SPACE	30	--
--	31	SPACE	--	1	--	--	--	--	--	--					--	--	--	--	1	--	SPACE	32	--
--	33	SPACE	--	1	--	--	--	--			--	--			--	--	--	--	1	--	SPACE	34	--
--	35	SPACE	--	1	--	--	--	--					--	--	--	--	--	--	1	--	SPACE	36	--
--	37	SPACE	--	1	--	--	--	--	--	--					--	--	--	--	1	--	SPACE	38	--
--	39	SPACE	--	1	--	--	--	--			--	--			--	--	--	--	1	--	SPACE	40	--
--	41	SPACE	--	1	--	--	--	--					--	--	--	--	--	--	1	--	SPACE	42	--
		Total Load:							4.92 kVA		3.48 kVA						2.70 kVA						
		Total Amps:							42.00		30.00						22.50						

LOAD SUMMARY

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
Power	4.5 kVA	100.00%	4.5 kVA
Receptacles	6.6 kVA	100.00%	6.6 kVA

TOTALS*	
TOTAL CONNECTED LOAD:	11.10 kVA
TOTAL ESTIMATED DEMAND LOAD:	11.1 kVA
TOTAL CONNECTED AMPS:	30.81 A
TOTAL ESTIMATED DEMAND AMPS:	30.8 A

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES:

PANEL E3-2-LC

MOUNTING: SURFACE
ENCLOSURE: NEMA PB 1
FED FROM: 0 A/0P @
LOCATION: ELEC 3E-319

SOLID NEUTRAL
GROUND BUS

MAIN: 60 A MCB
VOLTS: 120/208 Wye
PHASE: 3
WIRE: 4
SCCR: 10 kA
ISC UNKNOWN 0.00 kA

NOTES:

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	H	WIRE SIZE N	G	C	A	B	C	WIRE SIZE C	G	N	H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY
	1	LTS 3RD FLR ELEC CLST, RMS...	20 A	1	10	10	10	3/4"	1.04	1.76					3/4"	10	10	10	1	20 A	LTS 3RD FLR ELEC CLST,...	2	
	3	REC: IT 3E-205B	20 A	1	12	12	12	3/4"			0.54	0			3/4"	12	12	12	1	20 A	UV LIGHTS: AHU-E-9	4	
	5	RACK: IT 3E-205B	20 A	1	12	12	12	3/4"					1	1.25	3/4"	10	--	10	2	30 A	CU: ROOF	6	
	7	IN-ROW COOLER: IT 3E-205B	20 A	1	12	12	12	3/4"	1	1.25					--	--	--	--	--	--	--	8	--
	9	IN-ROW COOLER: IT 3E-205B	20 A	1	12	12	12	3/4"			1	1.25			3/4"	10	--	10	2	30 A	CU: ROOF	10	
	11	UPS: IT 3E-205B	20 A	3	12	--	12	3/4"					0.5	1.25	--	--	--	--	--	--	--	12	--
--	13	--	--	--	--	--	--	--	0.5	0					3/4"	12	12	12	1	20 A	HEAT TRACE: ROOF	14	
--	15	--	--	--	--	--	--	--			0.5	0			--	--	--	--	1	20 A	SPARE	16	--
	17	CU: ROOF	30 A	2	10	--	10	3/4"					1.25	0	--	--	--	--	1	20 A	SPARE	18	--
--	19	--	--	--	--	--	--	--	1.25	0					--	--	--	--	1	20 A	SPARE	20	--
	21	CU: ROOF	30 A	2	10	--	10	3/4"			1.25	0			--	--	--	--	1	20 A	SPARE	22	--
--	23	--	--	--	--	--	--	--					1.25	0	--	--	--	--	1	20 A	SPARE	24	--
--	25	SPARE	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	SPARE	26	--
--	27	SPARE	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	SPARE	28	--
--	29	SPARE	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	SPARE	30	--
--	31	SPARE	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	SPARE	32	--
--	33	SPARE	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	SPARE	34	--
--	35	SPARE	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	SPARE	36	--
--	37	SPACE	--	1	--	--	--	--	--	--					--	--	--	--	1	--	SPACE	38	--
--	39	SPACE	--	1	--	--	--	--			--	--			--	--	--	--	1	--	SPACE	40	--
--	41	SPACE	--	1	--	--	--	--					--	--	--	--	--	--	1	--	SPACE	42	--
		Total Load:							6.80 kVA		4.54 kVA						6.50 kVA						
		Total Amps:							59.22		37.83						56.68						

LOAD SUMMARY

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
Lighting	2.804 kVA	100.00%	2.804 kVA
Power	14.5 kVA	100.00%	14.5 kVA
Receptacles	0.54 kVA	100.00%	0.54 kVA

TOTALS*	
TOTAL CONNECTED LOAD:	17.84 kVA
TOTAL ESTIMATED DEMAND LOAD:	17.844 kVA
TOTAL CONNECTED AMPS:	49.53 A
TOTAL ESTIMATED DEMAND AMPS:	49.5 A

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES:

PANEL E3-1-LLS

MOUNTING: SURFACE
ENCLOSURE: NEMA PB 1
FED FROM: 60 A/3P @
LOCATION: ELEC. 3E-207A

SOLID NEUTRAL
GROUND BUS

MAIN: 60 A MCB
VOLTS: 120/208 Wye
PHASE: 3
WIRE: 4
SCCR: 10 kA
ISC UNKNOWN 0.00 kA

NOTES:

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	H	WIRE SIZE N	G	C	A	B	C	WIRE SIZE C	G	N	H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY
	1	DOOR ACCESS PNL IT 3E-205B	20 A	1	12	12	12	3/4"	0.5	0.5					3/4"	12	12	12	1	20 A	DOOR ACCESS PNL: IT 2E-111	2	
--	3	SPARE	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	SPARE	4	--
--	5	SPARE	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	SPARE	6	--
--	7	SPARE	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	SPARE	8	--
--	9	SPARE	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	SPARE	10	--
--	11	SPARE	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	SPARE	12	--
--	13	SPARE	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	SPARE	14	--
--	15	SPARE	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	SPARE	16	--
--	17	SPARE	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	SPARE	18	--
--	19	SPARE	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	SPARE	20	--
--	21	SPARE	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	SPARE	22	--
--	23	SPARE	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	SPARE	24	--
--	25	SPARE	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	SPARE	26	--
--	27	SPARE	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	SPARE	28	--
--	29	SPARE	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	SPARE	30	--
--	31	SPARE	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	SPARE	32	--
--	33	SPARE	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	SPARE	34	--
--	35	SPARE	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	SPARE	36	--
--	37	SPARE	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	SPARE	38	--
--	39	SPARE	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	SPARE	40	--
--	41	SPARE	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	SPARE	42	--
		Total Load:							1.00 kVA		0.00 kVA						0.00 kVA						
		Total Amps:							8.33		0.00						0.00						

LOAD SUMMARY

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
Power	1 kVA	100.00%	1 kVA

TOTALS*	
TOTAL CONNECTED LOAD:	1.00 kVA
TOTAL ESTIMATED DEMAND LOAD:	1 kVA
TOTAL CONNECTED AMPS:	2.78 A
TOTAL ESTIMATED DEMAND AMPS:	2.8 A

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES:

PANEL E3-1-LN

MOUNTING: SURFACE
ENCLOSURE: NEMA PB 1
FED FROM: 250 A/3P @ XE3-1-LN
LOCATION: ELEC 3E-319

SOLID NEUTRAL
GROUND BUS

MAIN: 250 A MCB
VOLTS: 120/208 Wye
PHASE: 3
WIRE: 4
SCCR: 10 kA
ISC UNKNOWN 0.00 kA

NOTES:

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	H	WIRE SIZE N	G	C	A	B	C	WIRE SIZE C	G	N	H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY
	1	REC: CNM (MGR. & LEAD) 3E-308	20 A	1	12	12	12	3/4"	1.08	1.5							1	20 A	MICRO: STAFF LOUNGE 3E-250	2	
	3	REC: APP (4) 3E-309	20 A	1	12	12	12	3/4"			1.08	1.68					1	20 A	REC: STAFF LOUNGE 3E-250	4	
	5	REC: APP (4) 3E-309	20 A	1	12	12	12	3/4"					1.08	0.18			1	20 A	MICRO: STAFF LOUNGE 3E-250	6	
	7	REC: PROVIDER 5/6 3E-310	20 A	1	12	12	12	3/4"	1.08	1							1	20 A	CULL: STAFF LOUNGE 3E-250	8	
	9	REC: 3E-300F, 3E-300G, 3E-307....	20 A	1	10	10	10	3/4"			1.44	1.5					1	20 A	REF: STAFF LOUNGE 3E-250	10	
	11	MFD: NURSE / TEAM CENTER...	20 A	1	10	10	10	3/4"					1.5	1.5			1	20 A	REF: STAFF LOUNGE 3E-250	12	
	13	REC: NURSE / TEAM CENTER...	20 A	1	12	12	12	3/4"	1.08	1.26							1	20 A	REC: ENT EXAM 6 3E-251	14	
	15	REC: NURSE / TEAM CENTER...	20 A	1	12	12	12	3/4"			1.08	1.26					1	20 A	REC: ENT EXAM 5 3E-250	16	
	17	REC: NURSE / TEAM CENTER...	20 A	1	12	12	12	3/4"					1.08	1.26			1	20 A	REC: ENT EXAM 4 3E-249	18	
	19	REC: PROVIDER 7/8 3E-312	20 A	1	12	12	12	3/4"	1.08	1.62							1	20 A	REC: 3E-258, 3E-259	20	
	21	REC: TRIAGE 3E-313	20 A	1	12	12	12	3/4"			1.08	1.26					1	20 A	REC:ENT EXAM 1 3E-246	22	
	23	REC: TRIAGE 3E-313	20 A	1	12	12	12	3/4"					1.08	1.26			1	20 A	REC: PULM EXAM 8 3E-245	24	
	25	MFD: TRIAGE 3E-313	20 A	1	10	10	10	3/4"	1.5	1.26							1	20 A	REC:PULM EXAM 3 3E-240	26	
	27	REC: TRIAGE 3E-313	20 A	1	12	12	12	3/4"			0.54	1.08					1	20 A	REC: 3E-238, 3E-239	28	
	29	REC: 3E-352, 3E-353	20 A	1	12	12	12	3/4"					1.08	1.08			1	20 A	REC: 3E-236, 3E-237	30	
	31	REC: WOMEN'S EXAM 14 3E-357	20 A	1	12	12	12	3/4"	1.26	1.08							1	20 A	REC: PULMONARY TEAM...	32	
	33	REC: WOMEN'S EXAM 15 3E-356	20 A	1	12	12	12	3/4"			1.26	1.08					1	20 A	REC: PULMONARY TEAM...	34	
	35	REC: WOMEN'S EXAM 16 3E-355	20 A	1	12	12	12	3/4"					1.26	1.5			1	20 A	MFD: PULMONARY TEAM...	36	
	37	REC: 3E-300I, 3E-359, 3E-360,...	20 A	1	12	12	12	3/4"	1.26	1							1	20 A	SHRED: PULMONARY TEAM...	38	
	39	REC: 3E-319, 3E-300H, 3E-300I	20 A	1	12	12	12	3/4"			1.08	0.54					1	20 A	REC: PULMONARY TEAM...	40	
	41	REC: WOMEN'S EXAM 17 3E-363	20 A	1	12	12	12	3/4"					1.26	1.26			1	20 A	REC: 3E-235, 3E-265, 3E-266	42	
	43	REC: WOMEN'S EXAM 20 3E-364	20 A	1	12	12	12	3/4"	1.26	1.26							1	20 A	REC: ENT EXAM 2 3E-247	44	
	45	REC: WOMEN'S EXAM 18 3E-362	20 A	1	12	12	12	3/4"			1.26	1.26					1	20 A	REC: PULM EXAM 7 3E-244	46	
	47	REC: WOMEN'S EXAM 21 3E-365	20 A	1	12	12	12	3/4"					1.26	1.26			1	20 A	REC: PULM EXAM 4 3E-241	48	
	49	REC: WOMEN'S EXAM 19 3E-361	20 A	1	12	12	12	3/4"	1.26	1.26							1	20 A	REC: ENT EXAM 3 3E-248	50	
	51	REC: WOMEN'S EXAM 22 3E-366	20 A	1	12	12	12	3/4"			1.26	1.26					1	20 A	REC: PULM EXAM 6 3E-243	52	
	53	REC: WOMEN'S EXAM 23 3E-314	20 A	1	12	12	12	3/4"					1.26	1.26			1	20 A	REC: PULM EXAM 5 3E-242	54	
	55	REC: WOMEN'S EXAM 24 3E-315	20 A	1	12	12	12	3/4"	1.26	1.08							1	20 A	REC: 3E-200H, 3E-200I, 3E-200J...	56	
	57	REC: WOMEN'S EXAM 25 3E-316	20 A	1	12	12	12	3/4"			1.26	1.5					1	20 A	MFD: ENT MA 3E-259	58	
	59	REC: WOMEN'S EXAM 26 3E-317	20 A	1	12	12	12	3/4"					1.26	1.08			1	20 A	REC: ENT MA 3E-259	60	
	61	REC: WOMEN'S EXAM 27 3E-318	20 A	1	12	12	12	3/4"	1.26	1.08							1	20 A	REC: ENT PROVIDER OFFICE...	62	
	63	REC: 3E-200G, 3E-253, 3E-254,...	20 A	1	10	10	10	3/4"			1.62	1.08					1	20 A	REC: NURSE OFFICE/ FLEX...	64	
	65	REC: PROCEDURE 1 3E-321	20 A	1	12	12	12	3/4"					1.08	1.08			1	20 A	REC: PULMONARY TEAM...	66	
	67	REC: PROCEDURE 2 3E-320	20 A	1	12	12	12	3/4"	1.08	1.08							1	20 A	REC: SHARED TEAM CENTER...	68	
	69	AUTOCLAVE: CLEAN 3E-248	20 A	1	12	12	12	3/4"			0.18	1.08					1	20 A	REC: PULM PFT/SPIRO #1...	70	
	71	AUTOCLAVE: CLEAN 3E-248	20 A	1	12	12	12	3/4"					0.18	1.44			1	20 A	REC: ENT TREATMENT 3E-208	72	
	73	FIBER SCOPE: CLEAN 3E-248	20 A	1	12	12	12	3/4"	1	1.44							1	20 A	REC: ENT TREATMENT 3E-207	74	
	75	REC: STAFF LOUNGE 3E-250	20 A	1	12	12	12	3/4"			0.72	1.08					1	20 A	REC: CONFERENCE 3E-206	76	
	77	REC: STAFF LOUNGE 3E-250	20 A	1	12	12	12	3/4"					0.72	0.72			1	20 A	REC: CONFERENCE 3E-206	78	
	79	MICRO: STAFF LOUNGE 3E-250	20 A	1	12	12	12	3/4"	1.5	1.26							1	20 A	REC: GEN/PLAS EXAM 14 3E-218	80	
	81	COFFEE: STAFF LOUNGE 3E-250	20 A	1	12	12	12	3/4"			1.5	1.26					1	20 A	REC: GEN/PLAS EXAM 13 3E-217	82	
	83	COFFEE: STAFF LOUNGE 3E-250	20 A	1	12	12	12	3/4"					1.5	1.26			1	20 A	REC: GEN/PLAS EXAM 12 3E-216	84	
	85	REC: PLASTIC SURGERY...	20 A	1	10	10	10	3/4"	0.9	0.5							1	20 A	VAV BOX XFMR: ELEC 3E-319	86	
	87	BED & OH LT: PLASTIC...	20 A	1	12	12	12	3/4"			0.68	0.5					1	20 A	AHU E-9: REC & LTS ROOF	88	
	89	REC: ENT/PULM STORAGE...	20 A	1	12	12	12	3/4"					0.9	0	--	--	--	--	1	20 A	SPARE	90	--
	91	REC: PULM EXAM 1 3E-213	20 A	1	10	10	10	3/4"	1.26	0					--	--	--	--	1	20 A	SPARE	92	--
	93	REC: PULM EXAM 2 3E-214	20 A	1	10	10	10	3/4"			1.26	0			--	--	--	--	1	20 A	SPARE	94	--
	95	REC: GEN/PLASTIC SURG....	20 A	1	8	8	8	3/4"					1.08	0	--	--	--	--	1	20 A	SPARE	96	--
	97	MFD: GEN/PLASTIC TEAM...	20 A	1	8	8	8	3/4"	1.5	0					--	--	--	--	1	20 A	SPARE	98	--
	99	REC: GEN/PLASTIC TEAM...	20 A	1	10	10	10	3/4"			1.08	0			--	--	--	--	1	20 A	SPARE	100	--
	101	REC: GEN/PLASTIC TEAM...	20 A	1	10	10	10	3/4"					1.08	0	--	--	--	--	1	20 A	SPARE	102	--
	103	REC: GEN/PLASTIC TEAM...	20 A	1	10	10	10	3/4"	1.08	0					--	--	--	--	1	20 A	SPARE	104	--
	105	REC: GEN/PLASTIC SURG....	20 A	1	10	10	10	3/4"			1.08	0			--	--	--	--	1	20 A	SPARE	106	--
--	107	SPARE	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	SPARE	108	--
--	109	SPARE	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	SPARE	110	--
--	111	SPARE	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	SPARE	112	--
--	113	SPARE	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	SPARE	114	--
--	115	SPARE	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	SPARE	116	--
--	117	SPARE	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	SPARE	118	--
--	119	SPARE	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	SPARE	120	--
--	121	SPARE	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	SPARE	122	--
--	123	SPARE	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	SPARE	124	--
--	125	SPARE	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	SPARE	126	--
--	127	SPARE	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	SPARE	128	--
--	129	SPARE	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	SPARE	130	--
--	131	SPARE	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	SPARE	132	--
--	133	SPARE	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	SPARE	134	--
--	135	SPARE	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	SPARE	136	--
--	137	SPARE	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	SPARE	138	--
--	139	SPARE	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	SPARE	140	--
--	141	SPARE	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	SPARE	142	--
--	143	SPARE	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	SPARE	144	--
--	145	SPARE	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	SPARE	146	--
--	147	SPARE	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	SPARE	148	--
--	149	SPARE	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	SPARE	150	--
--	151	SPARE	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	SPARE	152	--
--	153	SPARE	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	SPARE	154	--
--	155	SPARE	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	SPARE	156	--
--	157	SPARE	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	SPARE	158	--
--	159	SPARE	20 A	1	--	--	--	--			0	0			--	--	--

1/16/2023 7:34:32 PM

PANEL E3-3-HN

MOUNTING: SURFACE
ENCLOSURE: NEMA PB 1
FED FROM: 0 A/0P @
LOCATION: ELEC. 3E-207A

SOLID NEUTRAL GROUND BUS

MAIN: 200 A MCB
VOLTS: 480/277 Wye
PHASE: 3
WIRE: 4
SCCR: 22 kA
ISC UNKNOWN 0.00 kA

NOTES:

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	WIRE SIZE H	N	G	C	A	B	C	WIRE SIZE C	G	N	H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY
	1	LTG. 3RD FLR NORTHEAST...	20 A	1	10	10	10	3/4"	3.1	3.76		3/4"	10	10	10	1	20 A	LTG. 3RD FLR WAITING, ADMIN...	2	
	3	LTG. 3RD FLR NORTHWEST...	20 A	1	10	10	10	3/4"		2.57	2.36	3/4"	10	10	10	1	20 A	LTG. 3RF FLR SOUTHEAST...	4	
	5	LTG. NORTH SIDE CORRIDORS	20 A	1	10	10	10	3/4"			0.81	2.79	3/4"	10	10	10	1	20 A	LTG. 3RD FLR SOUTHWEST...	6	
--	7	SPARE	20 A	1	--	--	--	--	0	0.92			3/4"	10	10	10	1	20 A	LTG. SOUTH SIDE CORRIDORS	8	
--	9	SPARE	20 A	1	--	--	--	--			0	0		--	--	--	1	20 A	SPARE	10	--
	11	XE3-1-LN	125 A	3	1	1	6	2"				39.38	0	--	--	--	1	20 A	SPARE	12	--
--	13	--	--	--	--	--	--	--	36.88	0				--	--	--	1	20 A	SPARE	14	--
--	15	--	--	--	--	--	--	--			34.8	0		--	--	--	1	20 A	SPARE	16	--
	17	XE3-4-LN	125 A	3	1	1	6	2"				30.92	0	--	--	--	1	20 A	SPARE	18	--
--	19	--	--	--	--	--	--	--	31.39	0				--	--	--	1	20 A	SPARE	20	--
--	21	--	--	--	--	--	--	--			31.29	0		--	--	--	1	20 A	SPARE	22	--
--	23	SPARE	20 A	1	--	--	--	--				0	--	--	--	--	1	--	SPACE	24	--
--	25	SPARE	20 A	1	--	--	--	--	0	--				--	--	--	1	--	SPACE	26	--
--	27	SPARE	20 A	1	--	--	--	--			0	--		--	--	--	1	--	SPACE	28	--
--	29	SPARE	20 A	1	--	--	--	--				0	--	--	--	--	1	--	SPACE	30	--
--	31	SPARE	20 A	1	--	--	--	--	0	--				--	--	--	1	--	SPACE	32	--
--	33	SPACE	--	1	--	--	--	--			--	--		--	--	--	1	--	SPACE	34	--
--	35	SPACE	--	1	--	--	--	--					--	--	--	--	1	--	SPACE	36	--
--	37	SPACE	--	1	--	--	--	--	--	--				--	--	--	1	--	SPACE	38	--
--	39	SPACE	--	1	--	--	--	--			--	--		--	--	--	1	--	SPACE	40	--
--	41	SPACE	--	1	--	--	--	--					--	--	--	--	1	--	SPACE	42	--
								Total Load:	76.05 kVA		71.03 kVA			73.90 kVA						
								Total Amps:	276.13		256.41			268.37						

LOAD SUMMARY

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
Lighting	16.309 kVA	100.00%	16.309 kVA
Power	16.56 kVA	100.00%	16.56 kVA
Receptacles	188.1 kVA	52.66%	99.05 kVA

TOTALS*	
TOTAL CONNECTED LOAD:	220.97 kVA
TOTAL ESTIMATED DEMAND LOAD:	131.919 kVA
TOTAL CONNECTED AMPS:	265.78 A
TOTAL ESTIMATED DEMAND AMPS:	158.7 A

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES:

PANEL E3-4-LN

MOUNTING: SURFACE
ENCLOSURE: NEMA PB 1
FED FROM: 250 A/3P @ XE3-4-LN
LOCATION: ELEC. 3E-207A

SOLID NEUTRAL GROUND BUS

MAIN: 250 A MCB
VOLTS: 120/208 Wye
PHASE: 3
WIRE: 4
SCCR: 10 kA
ISC UNKNOWN 0.00 kA

NOTES:

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	WIRE SIZE H	N	G	C	A	B	C	WIRE SIZE C	G	N	H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY
	1	REC: LAB 3E-302	20 A	1	12	12	12	3/4"	0.54	0.8		3/4"	12	12	12	1	20 A	MTRZD SHD: WAITING 3E-101	2	
	3	REC: LAB 3E-302	20 A	1	12	12	12	3/4"			0.54	0.8	3/4"	12	12	12	1	20 A	MTRZD SHD: WAITING 3E-101	4	
	5	REF: LAB 3E-302	20 A	1	12	12	12	3/4"					0.75	1.08	3/4"	12	12	12	1	20 A	FURN: WAITING 3E-101	6	
	7	REF: LAB 3E-302	20 A	1	12	12	12	3/4"	0.75	1.08					3/4"	12	12	12	1	20 A	REC: 3E-201, 3E-329, 3E-330	8	
	9	REC: 3E-300A, 3E-301, 3E-305	20 A	1	10	10	10	3/4"			1.26	1.08			3/4"	12	12	12	1	20 A	REC: 3E-329, 3E-330	10	
	11	REC: SCHEDULING (3-4) 3E-304	20 A	1	10	10	10	3/4"					1.08	1.08	3/4"	12	12	12	1	20 A	REC:	12	
	13	REC: SCHEDULING (3-4) 3E-304	20 A	1	12	12	12	3/4"	1.08	1.08					3/4"	12	12	12	1	20 A	REC:	14	
	15	MFD: SCHEDULING (3-4) 3E-304	20 A	1	10	10	10	3/4"			1.5	1.08			3/4"	12	12	12	1	20 A	REC: CHECK IN 3E-201	16	
	17	REC: PROVIDER 1/2 3E-305	20 A	1	12	12	12	3/4"					1.08	1.44	3/4"	12	12	12	1	20 A	REC: 3E-200B, 3E-200D, 3E-204...	18	
	19	REC: NURSE / TEAM CENTER 1...	20 A	1	10	10	10	3/4"	1.08	1.08					3/4"	12	12	12	1	20 A	REC: CHECK OUT 3E-327	20	
	21	REC: NURSE / TEAM CENTER 1...	20 A	1	10	10	10	3/4"			1.08	1.26			3/4"	12	12	12	1	20 A	REC: GEN/PLAS EXAM 1 3E-205	22	
	23	REC: NURSE / TEAM CENTER 1...	20 A	1	10	10	10	3/4"					1.08	1.26	3/4"	12	12	12	1	20 A	REC: GEN/PLAS EXAM 2 3E-206	24	
	25	MFD: NURSE / TEAM CENTER ...	20 A	1	8	8	8	3/4"	1.5	1.44					3/4"	12	12	12	1	20 A	REC: ULTRASOUND 1 3E-326	26	
	27	REC: PROVIDER 3/4 3E-307	20 A	1	10	10	10	3/4"			1.08	0.36			3/4"	12	12	12	1	20 A	REC: IT 3E-205B	28	
	29	MTRZD SHD: WAITING 3E-101	20 A	1	12	12	12	3/4"					0.8	1	3/4"	10	--	10	2	30 A	RACK: IT 3E-205B	30	
	31	MTRZD SHD: WAITING 3E-101	20 A	1	12	12	12	3/4"	0.8	1					3/4"	--	--	--	--	--	--	32	--
	33	MTRZD SHD: WAITING 3E-101	20 A	1	12	12	12	3/4"			0.8	1.44			3/4"	12	12	12	1	20 A	REC: ULTRASOUND 2 3E-324	34	
	35	REC: WOMEN'S EXAM 1 3E-333	20 A	1	10	10	10	3/4"					1.26	1.26	3/4"	12	12	12	1	20 A	REC: ULTRASOUND 3 3E-323	36	
	37	REC: WOMEN'S EXAM 2 3E-332	20 A	1	10	10	10	3/4"	1.26	1.5					3/4"	12	12	12	1	20 A	MFD: WAITING 3E-101	38	
	39	REC: WOMEN'S EXAM 3 3E-331	20 A	1	12	12	12	3/4"			1.26	1.26			3/4"	12	12	12	1	20 A	REC: GEN/PLAS EXAM 3 3E-226	40	
	41	REC: 3E-300A, 3E-300C, 3E-334...	20 A	1	8	8	8	3/4"					1.62	1.26	3/4"	12	12	12	1	20 A	REC: GEN/PLAS EXAM 4 3E-227	42	
	43	REF: ALCOVE 3E-334	20 A	1	12	12	12	3/4"	0.75	1.26					3/4"	12	12	12	1	20 A	REC: GEN/PLAS EXAM 5 3E-228	44	
	45	REC: WOMEN'S EXAM 4 3E-336	20 A	1	12	12	12	3/4"			1.26	1.62			3/4"	10	10	10	1	20 A	REC: 3E-102, 3E-200B, 3E-200E...	46	
	47	REC: WOMEN'S EXAM 5 3E-337	20 A	1	12	12	12	3/4"					1.26	1.08	3/4"	12	12	12	1	20 A	REC: GEN/PLASTIC SURG....	48	
	49	REC: WOMEN'S EXAM 6 3E-341	20 A	1	10	10	10	3/4"	1.26	1.26					3/4"	12	12	12	1	20 A	REC: GEN/PLAS EXAM 8 3E-225	50	
	51	REC: WOMEN'S EXAM 7 3E-340	20 A	1	12	12	12	3/4"			1.26	1.26			3/4"	12	12	12	1	20 A	REC: GEN/PLAS EXAM 7 3E-224	52	
	53	REC: WOMEN'S EXAM 8 3E-339	20 A	1	12	12	12	3/4"					1.26	1.26	3/4"	12	12	12	1	20 A	REC: GEN/PLAS EXAM 6 3E-223	54	
	55	REF: ALCOVE 3E-342	20 A	1	12	12	12	3/4"	0.75	1.5					3/4"	10	10	10	1	20 A	MFD: GEN/PLASTIC TEAM...	56	
	57	REC: 3E-300F, 3E-346, 3E-350...	20 A	1	10	10	10	3/4"			1.08	1.44			3/4"	12	12	12	1	20 A	REC: GEN/PLASTIC TEAM...	58	
	59	REC: WOMEN'S EXAM 9 3E-344	20 A	1	10	10	10	3/4"					1.26	1.44	3/4"	12	12	12	1	20 A	REC: GEN/PLASTIC TEAM...	60	
	61	REC: WOMEN'S EXAM 10 3E-345	20 A	1	12	12	12	3/4"	1.26	1.08					3/4"	12	12	12	1	20 A	REC: GEN/PLASTIC TEAM...	62	
	63	REC: WOMEN'S EXAM 11 3E-349	20 A	1	10	10	10	3/4"			1.26	1.08			3/4"	12	12	12	1	20 A	REC: GEN/PLASTIC TEAM...	64	
	65	REC: WOMEN'S EXAM 12 3E-348	20 A	1	10	10	10	3/4"					1.26	1.08	3/4"	12	12	12	1	20 A	REC: GENERAL SURGERY...	66	
	67	REC: WOMEN'S EXAM 13 3E-347	20 A	1	10	10	10	3/4"	1.26	1.26					3/4"	12	12	12	1	20 A	REC: GEN/PLAS EXAM 9 3E-219	68	
	69	REF: ALCOVE 3E-350	20 A	1	12	12	12	3/4"			0.75	1.26			3/4"	12	12	12	1	20 A	REC: GEN/PLAS EXAM 10 3E-220	70	
	71	REC: 3E-100, 3E-101	20 A	1	8	8	8	3/4"					1.44	1.26	3/4"	12	12	12	1	20 A	REC: GEN/PLAS EXAM 11 3E-221	72	
	73	ICE: WAITING 3E-101	20 A	1	12	12	12	3/4"	0.75	1.08					3/4"	10	10	10	1	20 A	REC: 3E-200C, 3E-200F, 3E-234	74	
	75	MTRZD SHD: WAITING 3E-101	20 A	1	12	12	12	3/4"			0.8	0.68			3/4"	12	12	12	1	20 A	BED & OH LT: GENERAL...	76	
	77	MTRZD SHD: WAITING 3E-101	20 A	1	12	12	12	3/4"					0.8	0.18	3/4"	12	12	12	1	20 A	EWC: WAITING 3E-101	78	
	79	MTRZD SHD: WAITING 3E-101	20 A	1	12	12	12	3/4"	0.8	0						--	--	--	1	20 A	SPARE	80	--
	81	MTRZD SHD: WAITING 3E-101	20 A	1	12	12	12	3/4"			0.8	0				--	--	--	1	20 A	SPARE	82	--
	83	MTRZD SHD: WAITING 3E-101	20 A	1	12	12	12	3/4"					0.8	0	--	--	--	--	1	20 A	SPARE	84	--
	85	AHU-E-13	20 A	1	12	12	12	3/4"	0	0					--	--	--	--	1	20 A	SPARE	86	--
	87	EF-15: ROOF	20 A	1	12	12	12	3/4"			0.86	0			--	--	--	--	1	20 A	SPARE	88	--
	89	EF-16: ROOF	20 A	1	12	12	12	3/4"					0.86	0	--	--	--	--	1	20 A	SPARE	90	--
	91	EF-17: ROOF	25 A	1	8	8	8	3/4"	1.66	0					--	--	--	--	1	20 A	SPARE	92	--
	93	EF-18: ROOF	20 A	1	12	12	12	3/4"			1.18	0			--	--	--	--	1	20 A	SPARE	94	--
--	95	SPARE	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	SPARE	96	--
--	97	SPARE	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	SPARE	98	--
--	99	SPARE	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	SPARE	100	--
--	101	SPARE	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	SPARE	102	--
--	103	SPARE	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	SPARE	104	--
--	105	SPARE	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	SPARE	106	--
--	107	SPARE	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	SPARE	108	--
--	109	SPARE	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	SPARE	110	--
--	111	SPARE	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	SPARE	112	--
--	113	SPARE	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	SPARE	114	--
--	115	SPARE	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	SPARE	116	--
--	117	SPARE	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	SPARE	118	--
--	119	SPARE	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	SPARE	120	--
--	121	SPARE	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	SPARE	122	--
--	123	SPARE	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	SPARE	124	--
--	125	SPARE	20 A	1	--	--	--	--					0	0	--	--	--	--	1	20 A	SPARE	126	--
--	127	SPARE	20 A	1	--	--	--	--	0	0					--	--	--	--	1	20 A	SPARE	128	--
--	129	SPARE	20 A	1	--	--	--	--			0	0			--	--	--	--	1	20 A	SPARE	130	--
--	131	SPACE	--	1	--	--	--	--					--	--	--	--	--	--	1	--	SPACE	132	--
--	133	SPACE	--	1	--	--	--	--	--	--					--	--	--	--	1	--	SPACE	134	--
--	135	SPACE	--	1	--	--	--	--			--	--			--	--	--	--	1	--	SPACE	136	--
--	137	SPACE	--	1	--	--	--	--					--	--	--	--	--	--	1	--	SPACE	138	--
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--	143	SPACE	--	1	--	--	--	--					--	--	--	--	--	--	1	--	SPACE	144	--
--	145	SPACE	--	1	--	--	--	--	--	--					--	--	--	--	1	--	SPACE	146	--
--	147	SPACE	--	1	--	--	--	--			--	--			--	--	--	--	1	--	SPACE	148	--
--	149	SPACE	--	1	--	--	--	--					--	--	--	--	--	--	1	--	SPACE	150	--
--	151	SPACE	--	1	--	--	--	--	--	--					--	--	--	--	1	--	SPACE	152	--
--	153	SPACE	--	1	--	--	--	--			--	--			--	--	--	--	1	--	SPACE	154	--
--	155	SPACE	--	1	--	--	--	--					--	--	--	--	--	--	1	--	SPACE	156	--
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--	159	SPACE	--	1	--	--	--	--			--	--			--	--	--	--	1	--	SPACE	160	--
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--	163	SPACE	--	1	--	--	--	--	--	--					--	--	--	--	1	--	SPACE	164	--
--	165	SPACE	--	1	--	--	--	--			--	--			--	--	--	--	1	--	SPACE	166	--
--	167	SPACE	--	1	--	--	--	--					--	--	--	--	--	--	1	--	SPACE	168	--
								Total Load:	30.92 kVA		31.39 kVA			31.29 kVA						
								Total Amps:	257.63		262.07			261.27						

LOAD SUMMARY

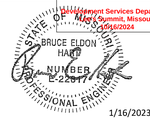
LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
Power	15.06 kVA	100.00%	15.06 kVA
Receptacles	78.54 kVA	56.37%	44.27 kVA

TOTALS*	
TOTAL CONNECTED LOAD:	93.60 kVA
TOTAL ESTIMATED DEMAND LOAD:	59.33 kVA
TOTAL CONNECTED AMPS:	259.81 A
TOTAL ESTIMATED DEMAND AMPS:	164.7 A

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES:

RELEASED FOR CONSTRUCTION
As noted on submittal review
Development Services Department
Lee's Summit, Missouri
01/16/2024



1/16/2023

Bruce E. Hart - Engineer
License - Missouri #E-22817

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

CONSTRUCTION DOCUMENTS

Date	01/16/2023
Job Number	3-21037
Drawn By	ZMB
Checked By	PLR

Revision

Number	Date	Description

IMEG
1600 BALTIMORE
SUITE 300
KANSAS CITY, MO 64108
P: 816.842.8437
www.imegcorp.com

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Missouri Certificate of Authority #F001325536

REF. SCALE IN INCHES 0 1 2 3
PROJECT #21006783.00

E705

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PANEL SCHEDULES

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/MEP21_21006783.00_SLH-East ASC Addition_C.rvt