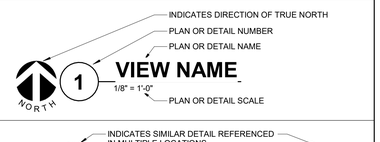
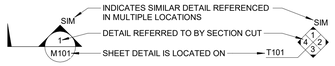
VIEW KEY

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
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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
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P400	PLUMBING DETAILS
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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 PHASING, 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

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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Saint Luke's
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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	SWC
Checked By	MJO/BEH

Revision

Number	Date	Description

P000

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PLUMBING + MEDICAL GAS COVERSHEET

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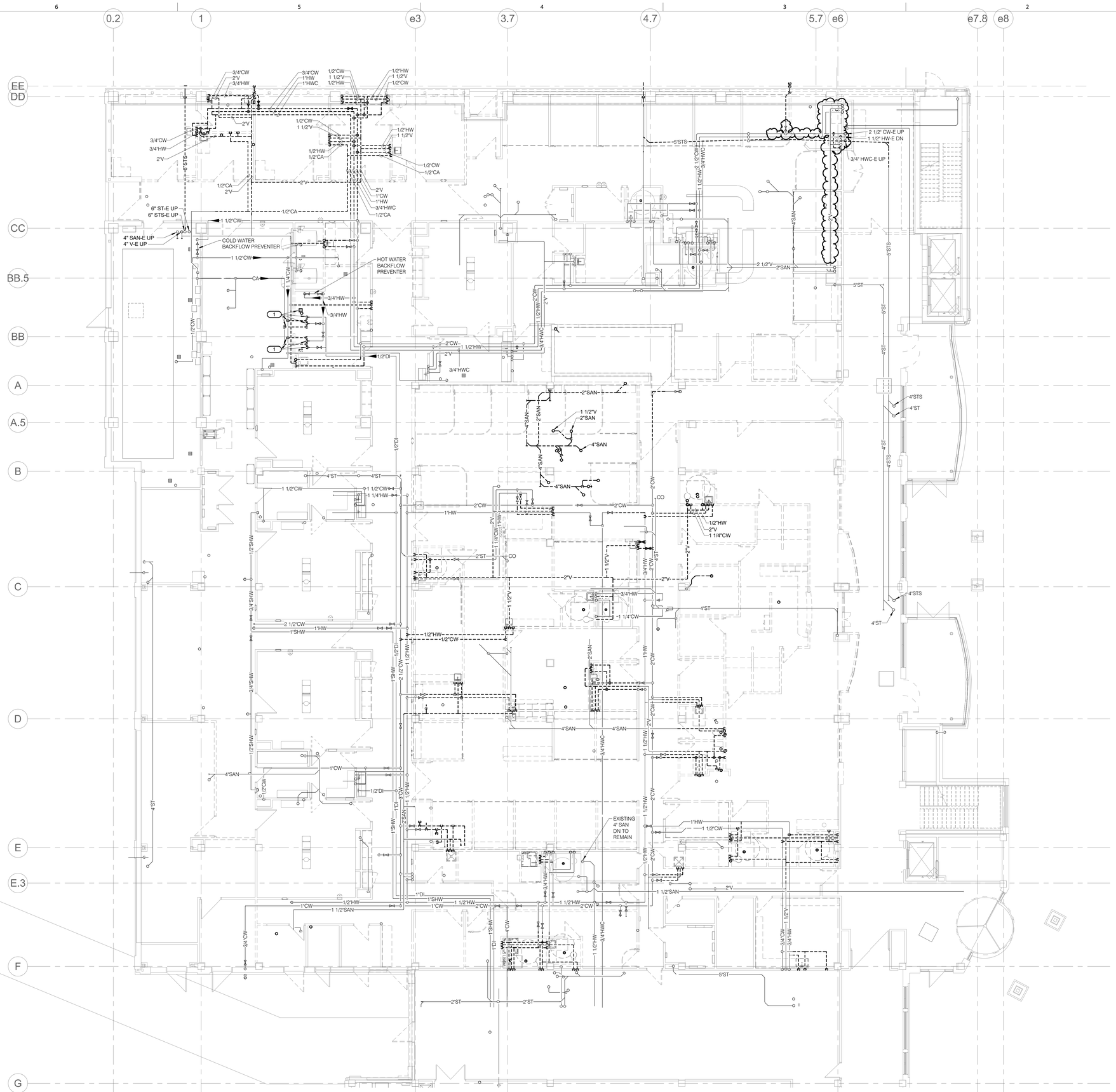

LEVEL 01 DEMOLITION PLAN - PLUMBING - AREA B

1/8" = 1'-0"

NORTH

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.

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PROFESSIONAL ENGINEER
1/16/2023
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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
3	Date 3	Addendum 1

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LEVEL 01 DEMOLITION PLAN - PLUMBING - AREA B

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.

1 LEVEL 02 DEMOLITION PLAN - PLUMBING - AREA B

1/8" = 1'-0"

NORTH

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CONSTRUCTION DOCUMENTS

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

Number	Date	Description

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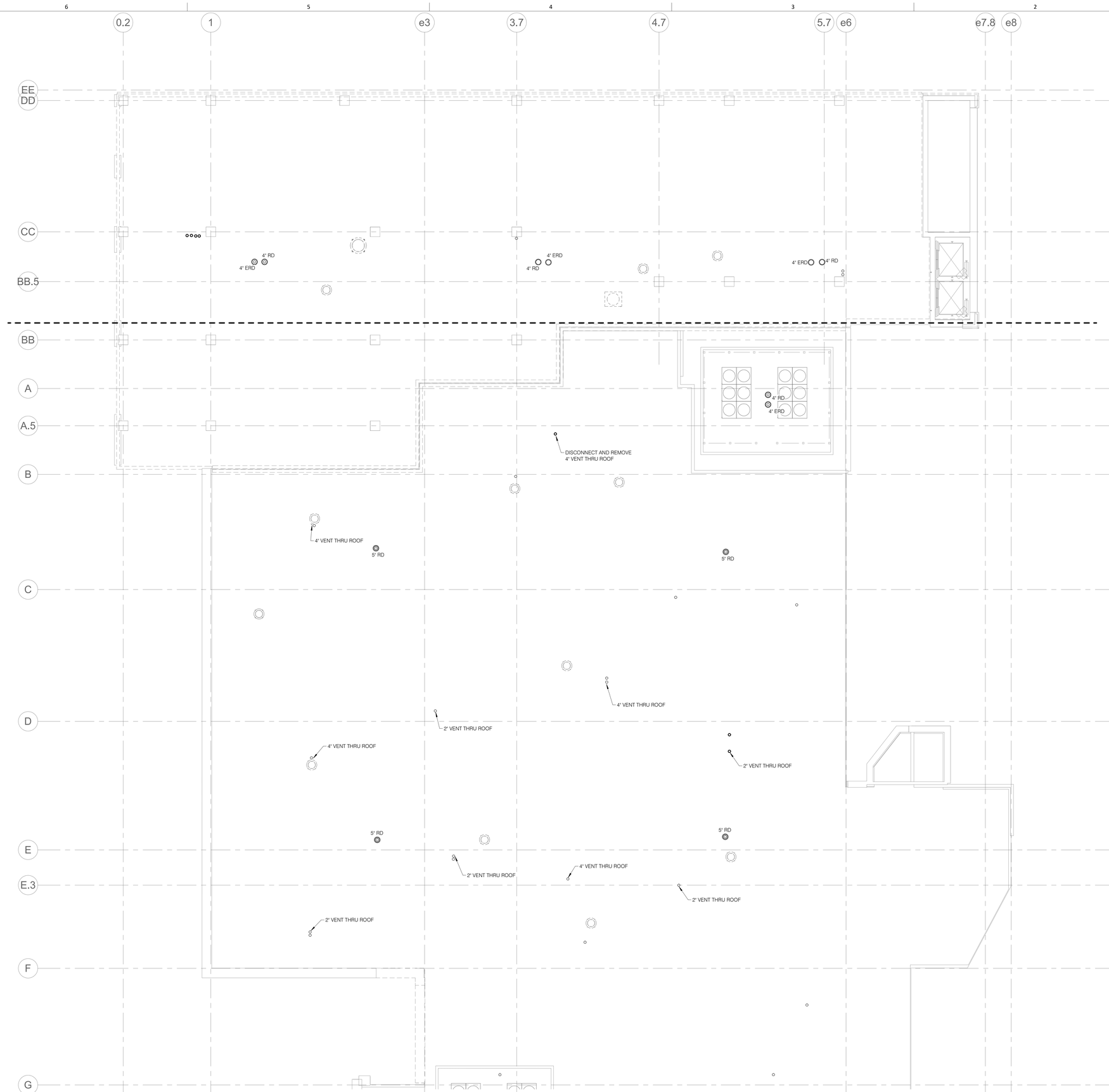
LEVEL 02 DEMOLITION PLAN - PLUMBING - AREA B



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

STATE OF MISSOURI
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CONSTRUCTION DOCUMENTS

Date	01/16/2023
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Drawn By	SWC
Checked By	MJO/BEH

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LEVEL 03 DEMOLITION PLAN - PLUMBING - AREA B

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.

1 LEVEL 01 DEMOLITION PLAN - MEDICAL GAS - AREA B

1/8" = 1'-0"

NORTH

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CONSTRUCTION DOCUMENTS

Date	01/16/2023
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Drawn By	SWC
Checked By	MJO/BEH

Revision

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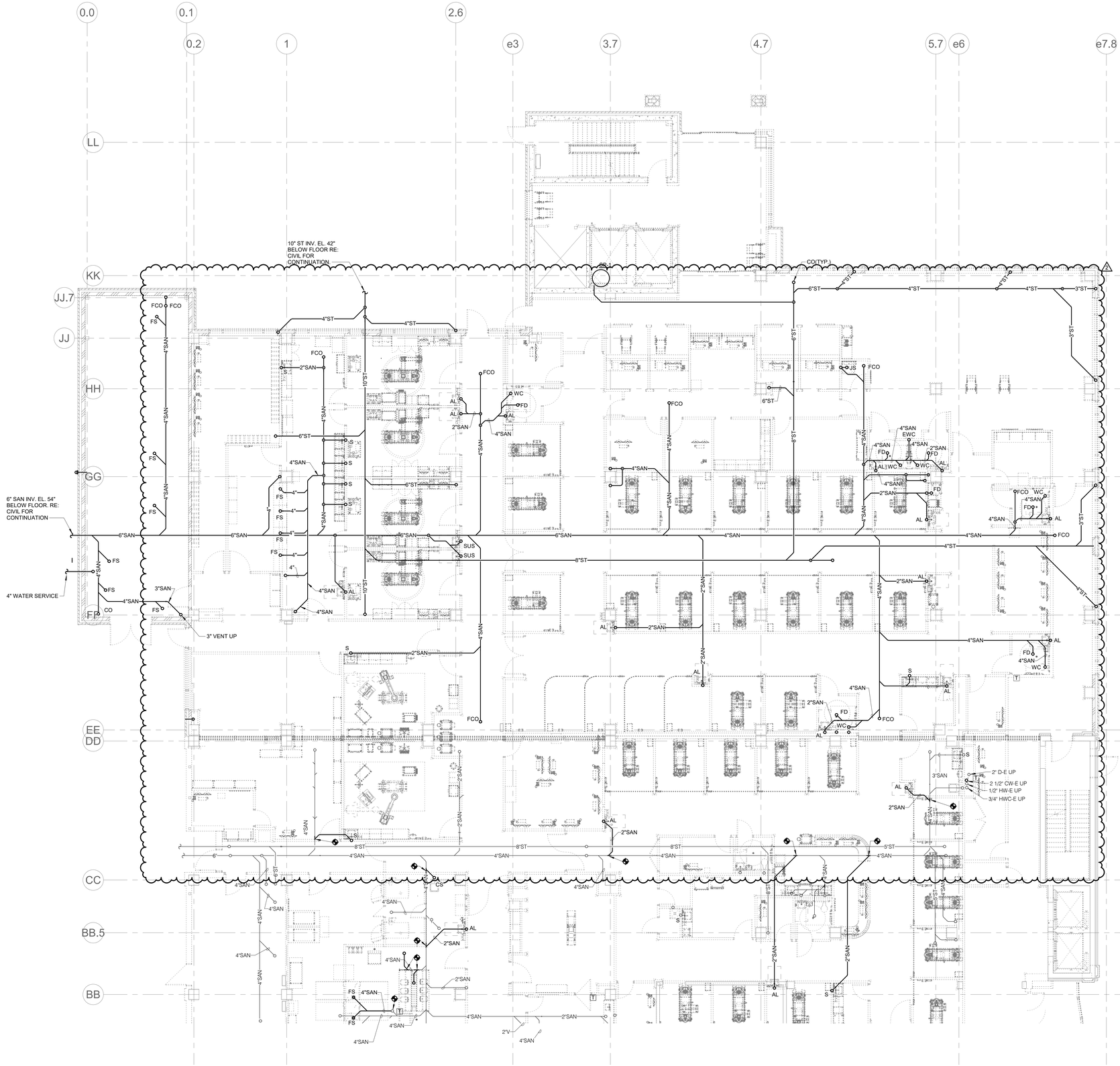
LEVEL 01 DEMOLITION PLAN - MEDICAL GAS - AREA B



1 LEVEL 00 PLAN - PLUMBING - AREA A

1/8" = 1'-0"

NORTH

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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

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LEVEL 00 PLAN - PLUMBING - AREA A

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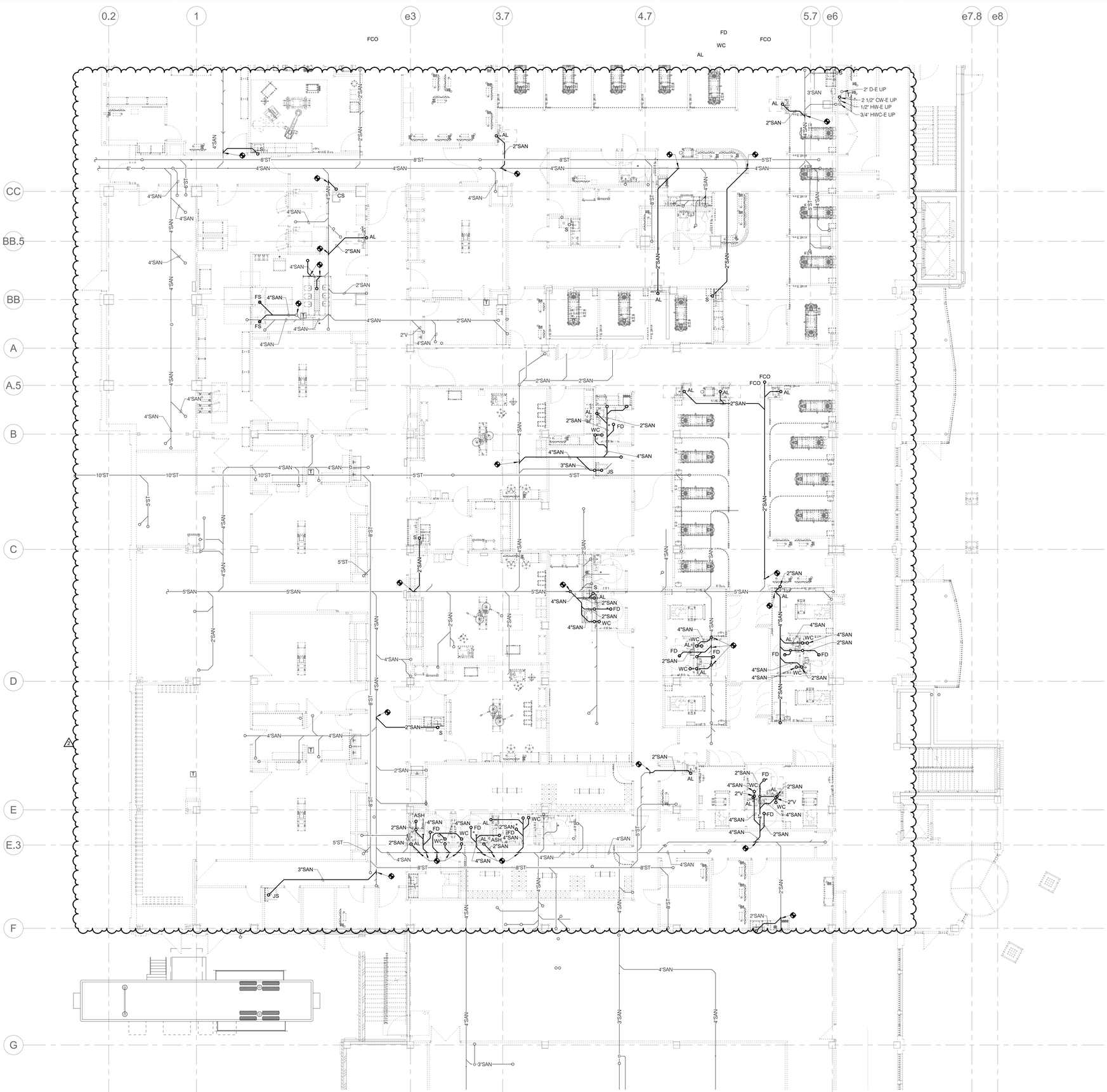

SHEET NOTES:

1. .
2. .
3. .

KEYNOTES: (#)

1. .
2. .
3. .

1/16/2023

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CONSTRUCTION DOCUMENTS

Date	01/16/2023
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2	2/10/23	Addendum 2

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LEVEL 00 PLAN - PLUMBING - AREA B

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NORTH

1 LEVEL 00 PLAN - PLUMBING - AREA B
1/8" = 1'-0"

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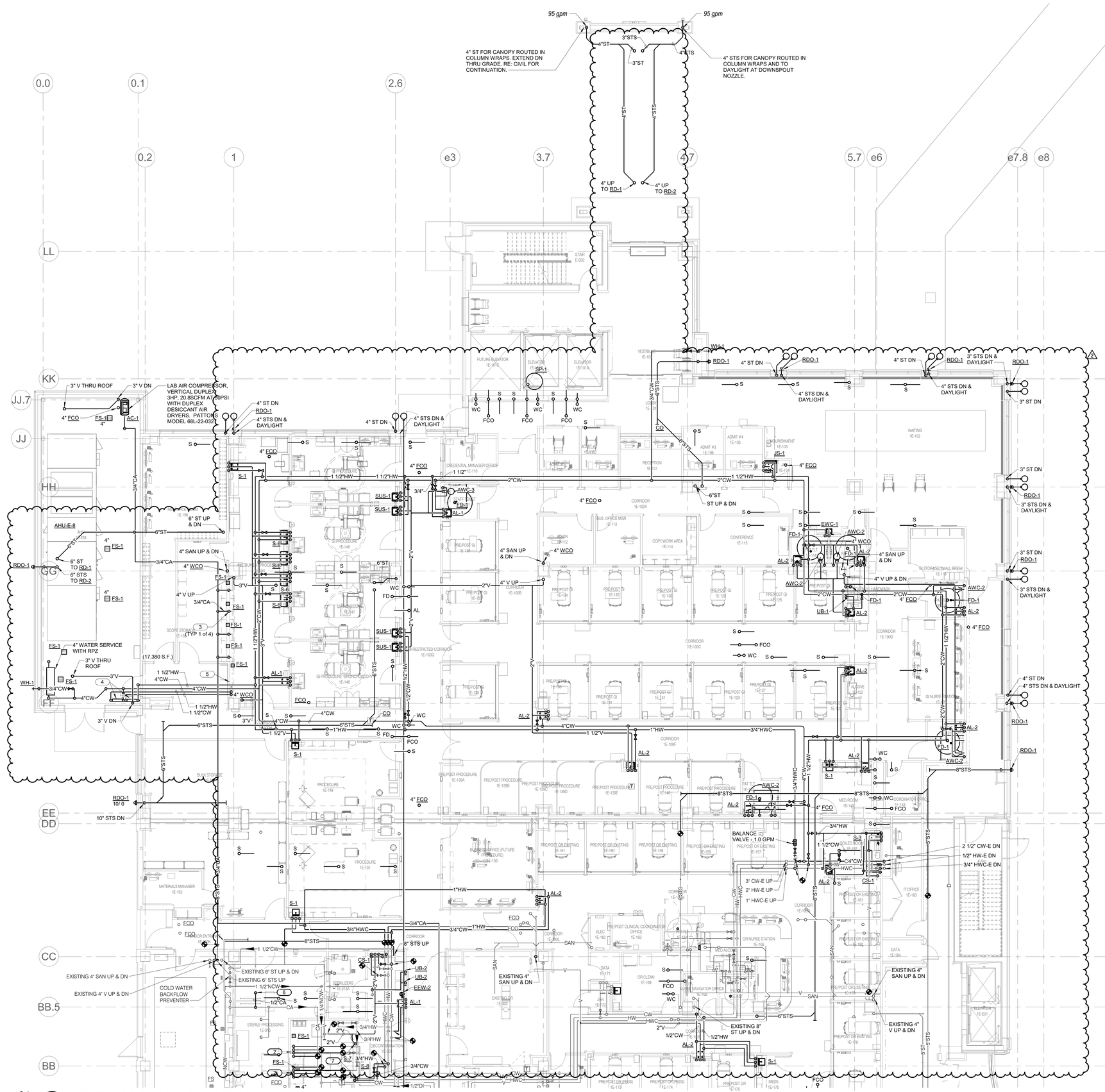

1 LEVEL 01 PLAN - PLUMBING - AREA A
1/8" = 1'-0"

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 #987-009 AGVPC WALL MOUNTED DUAL VALVE LAB FITTING WITH 6" GOOSENECK SPOUT.
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. COORDINATE ALL CONNECTIONS 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.
4. 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
5. 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).
6. 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.
7. 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.

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CONSTRUCTION DOCUMENTS

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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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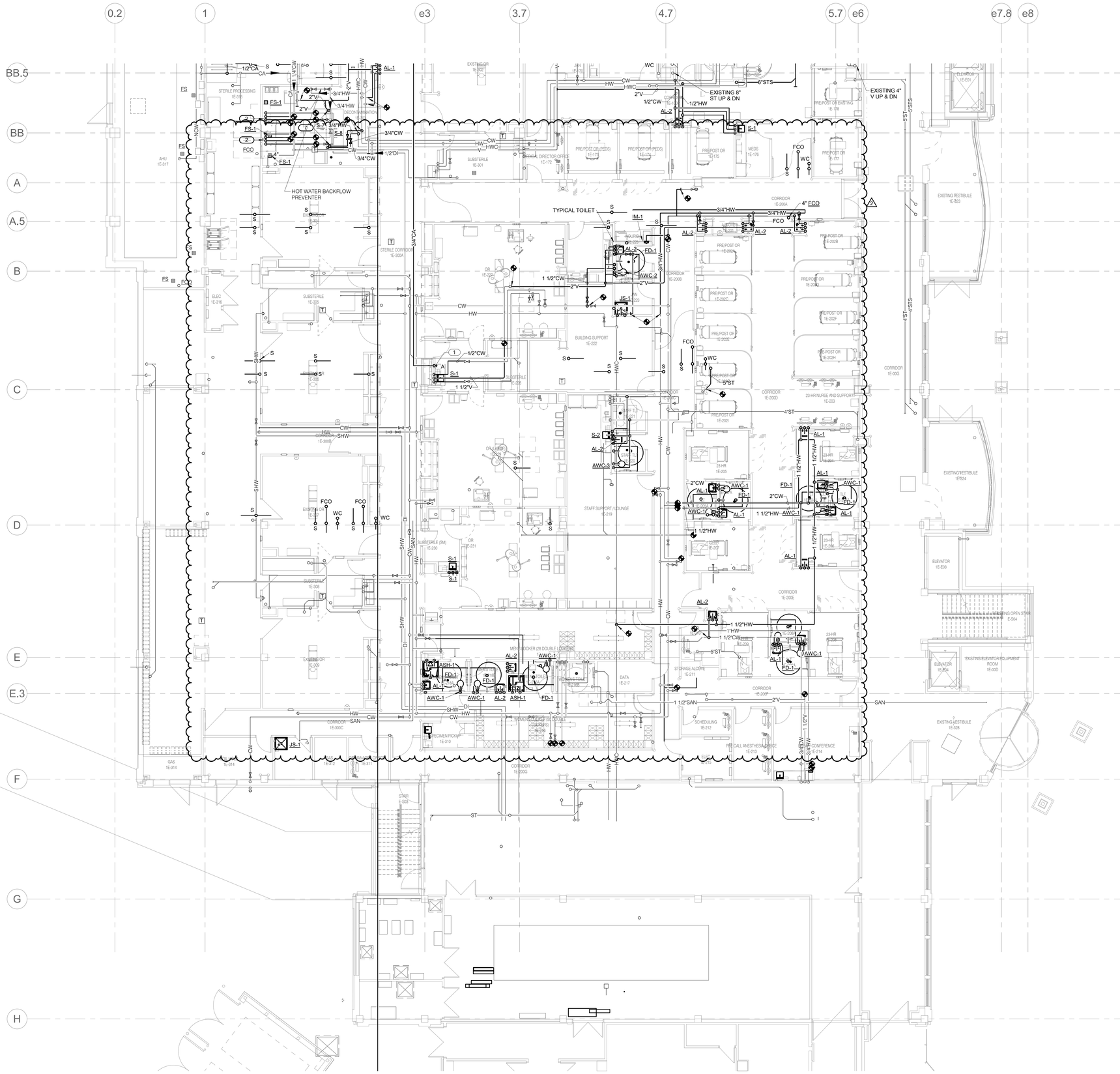
LEVEL 01 PLAN - PLUMBING - AREA A



1 NORTH

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.

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LEVEL 01 PLAN - PLUMBING - AREA B

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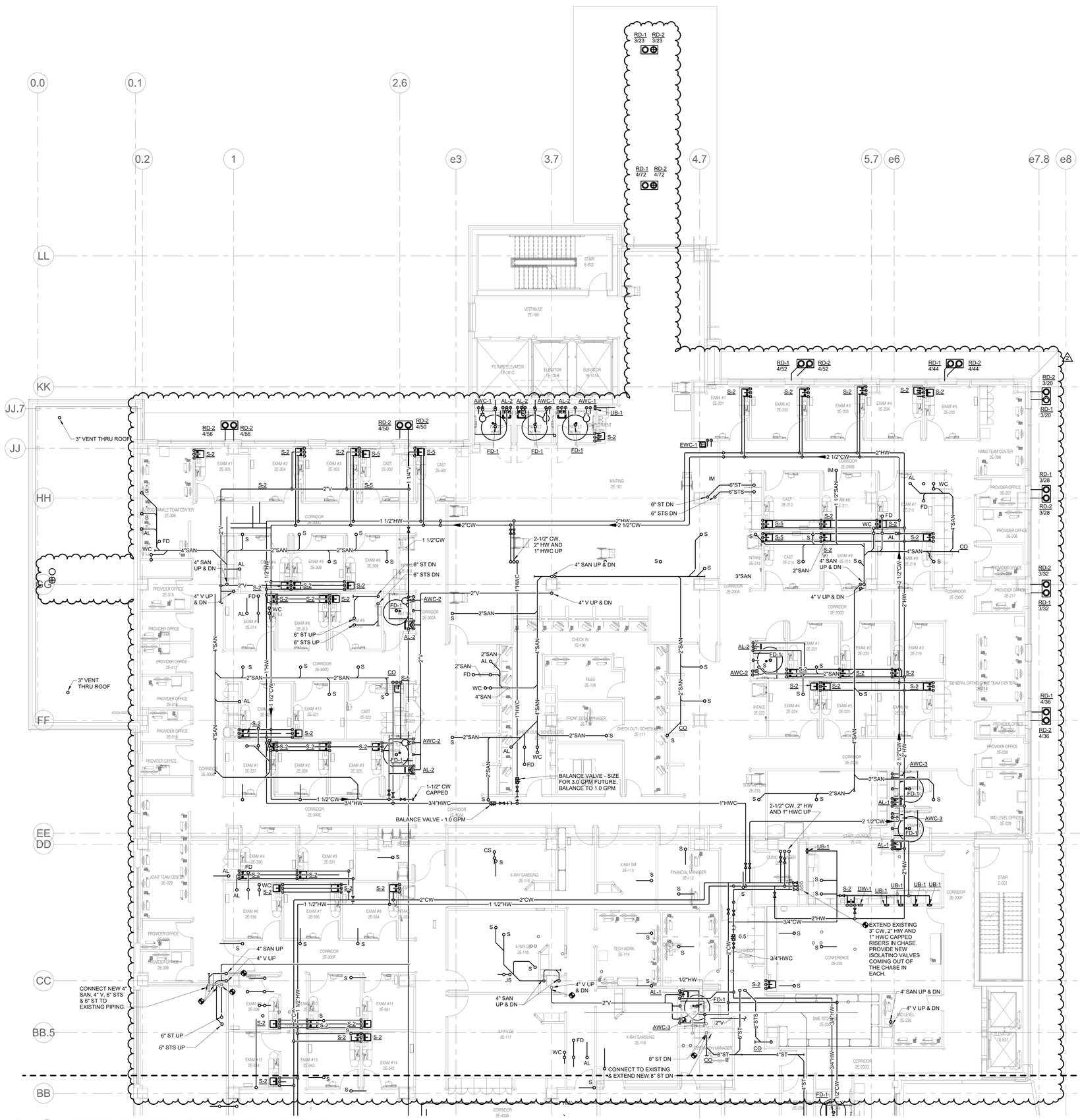
SHEET NOTES:

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



LEVEL 02 PLAN - PLUMBING - AREA A

1/8" = 1'-0"

NORTH

BIM 360/3-21037 SLE - ASC Expansion - Revit 2021/MEP21_210006783.00_SLH-East ASC Addition_C.rvt

STATE OF MISSOURI
BRUCE ELDON HART
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Date	01/16/2023
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LEVEL 02 PLAN - PLUMBING - AREA A

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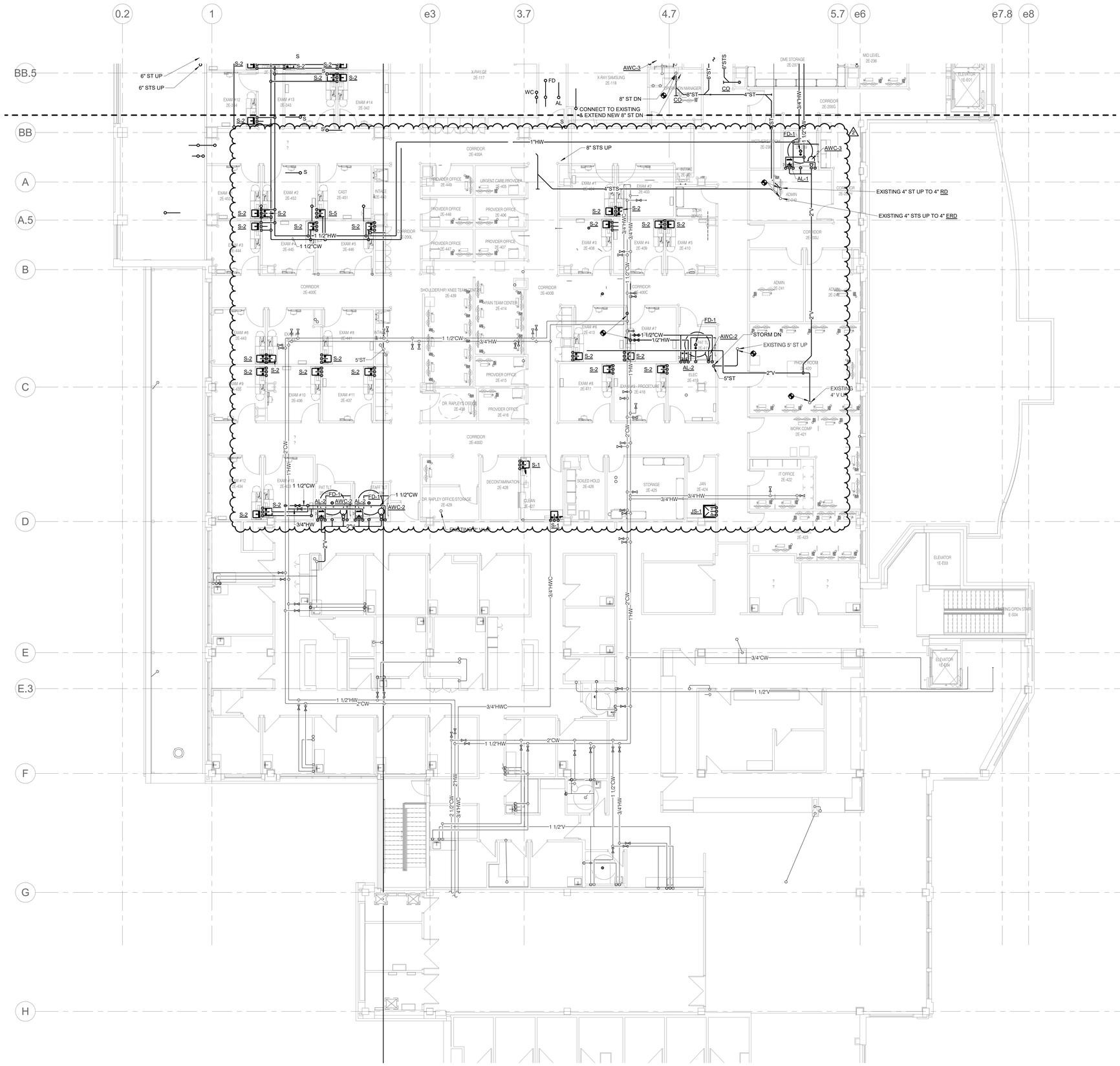
SHEET NOTES:

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.



1 LEVEL 02 PLAN - PLUMBING - AREA B

1/8" = 1'-0"

NORTH

STATE OF MISSOURI
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PROFESSIONAL ENGINEER
1/16/2023
Bruce E. Hart - Engineer
License - Missouri #E-22817

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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

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: 816.842.8437
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REF. SCALE IN INCHES 0 1 2 3 — PROJECT #21006783.00

P202B

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LEVEL 02 PLAN - PLUMBING - AREA B

2/16/2023 10:46:00 AM

BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/MEP21_210067783.00_SLH-East ASC Addition_C.rvt

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

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P203A

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LEVEL 03 PLAN - PLUMBING - AREA A

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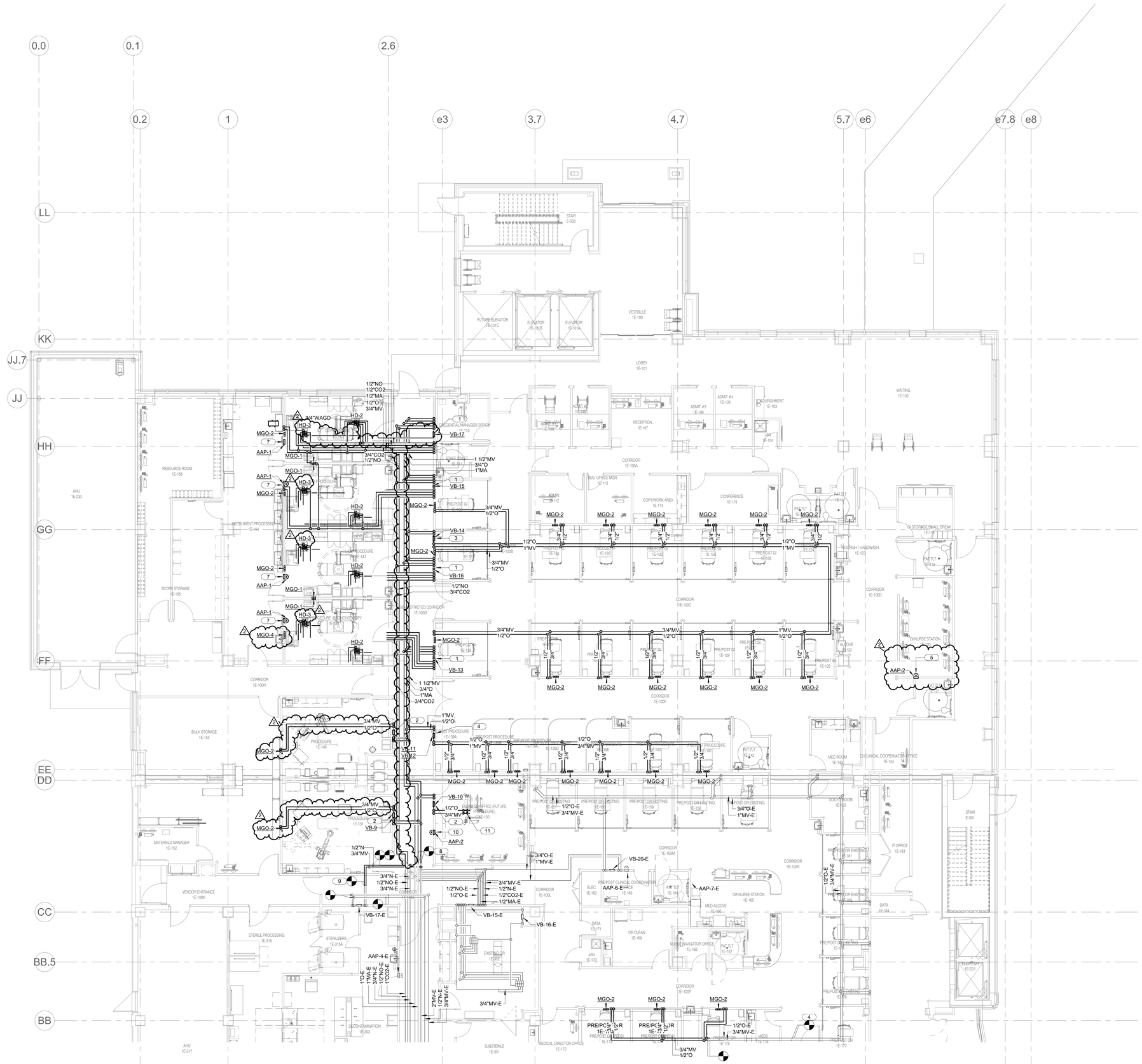
PROJECT #210067783.00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e3
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5.7
e6
e7.8
e8
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KK
JJ.7
JJ
HH
GG
FF
EE
DD
CC
BB.5
BB
STAIR E-502
FUTURE ELEVATOR 1E-101C
ELEVATOR 1E-101B
ELEVATOR 1E-101A
VESTIBULE 1E-100
LOBBY 1E-101
RESOURCE ROOM 1E-106
AHU 1E-233
INSTRUMENT PROCESSING 1E-484
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
RECEPTION 1E-107
ADMIT #4 1E-105
ADMIT #3 1E-106
NOURISHMENT 1E-103
JAN 1E-104
WAITING 1E-102
CORRIDOR 1E-100A
BUS. OFFICE MGR 1E-113
COPY/WORK AREA 1E-114
CONFERENCE 1E-115
ADMIN 1E-112
PAT TILT 1E-111
SURGICAL STORAGE/SMALL BREAK 1E-118
NOURISH / HANDWASH 1E-123
CORRIDOR 1E-100C
CORRIDOR 1E-100D
OR NURSE STATION 1E-119
ALCOVE 1E-122
CORRIDOR 1E-100F
CORRIDOR 1E-100H
PROCEDURE 1E-149
PROCEDURE 1E-151
PROCEDURE 1E-147
PROCEDURE 1E-138
PRE/POST GI 1E-139
PRE/POST GI 1E-136
PRE/POST GI 1E-132
PRE/POST GI 1E-128
PRE/POST GI 1E-109
PRE/POST GI 1E-125
PRE/POST GI 1E-126
PRE/POST GI 1E-122
PRE/POST GI 1E-138A
PRE/POST PROCEDURE 1E-139C
PRE/POST PROCEDURE 1E-139D
PRE/POST PROCEDURE 1E-139E
PRE/POST PROCEDURE 1E-139F
PROCEDURE 1E-161
FAT TILT 1E-142
MED ROOM 1E-140
GI CLINICAL COORDINATOR OFFICE 1E-144
PRE/POST OR EXISTING 1E-159
PRE/POST OR EXISTING 1E-158
SOILED ROOM 1E-160
STAIR E-501
CORRIDOR 1E-100M
CORRIDOR 1E-100N
CORRIDOR 1E-100L
ELEC 1E-162
PRE/POST CLINICAL COORDINATOR 1E-163
FAT TILT 1E-164
OR NURSE STATION 1E-165
MED ALCOVE 1E-166
PRE/POST OR EXISTING 1E-181
IT OFFICE 1E-183
DATA 1E-184
OR EXISTING 1E-179
DATA 1E-171
OR CLEAN 1E-169
NURSE NAVIGATOR OFFICE 1E-168
FAT TILT 1E-167
JAN 1E-170
CORRIDOR 1E-100P
PRE/POST OR EXISTING 1E-178
ELEVATOR 1E-E01
PRE/POST OR EXISTING 1E-177
MEDICAL DIRECTOR OFFICE 1E-172
PRE/POST OR EXISTING 1E-173
PRE/POST OR EXISTING 1E-174
PRE/POST OR EXISTING 1E-175
MEDS 1E-176
1/2"NO
1/2"CO2
1/2"MA
1/2"O
3/4"MV
3/4"WAGD
HD-2
HD-3
HD-4
MGO-1
MGO-2
MGO-4
AAP-1
AAP-2
VB-9
VB-10
VB-11
VB-12
VB-13
VB-14
VB-15
VB-16
VB-17
VB-17-E
VB-20-E
3/4"CO2
1/2"NO
1 1/2"MV
3/4"O
1"MA
1"MV
3/4"CO2
1/2"O
1/2"O
1"MV
3/4"MV
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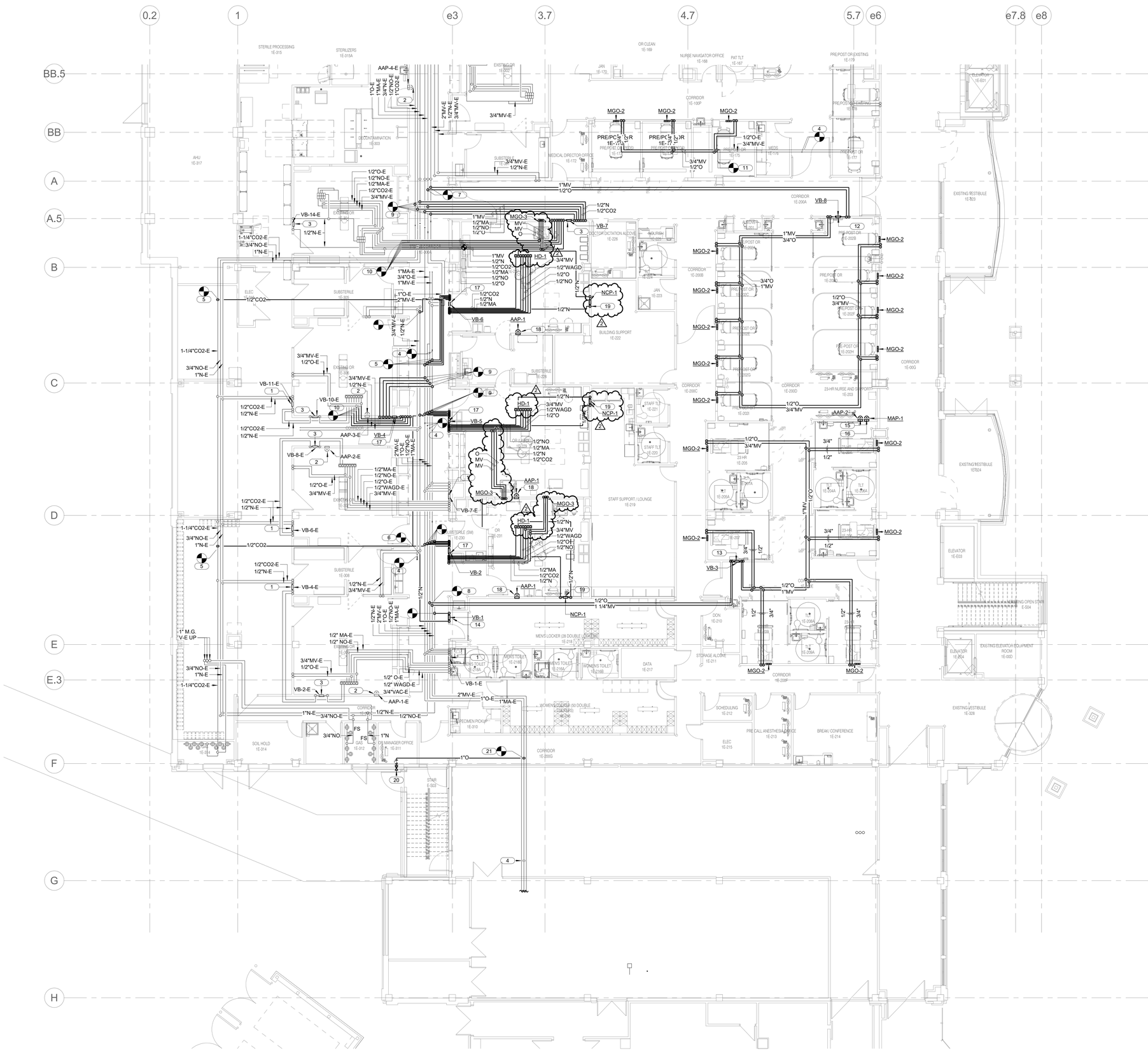

SHEET NOTES:

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.

NORTH

1 LEVEL 01 PLAN - MEDICAL GAS - AREA B

1/8" = 1'-0"

STATE OF MISSOURI
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P211B

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LEVEL 01 PLAN - MEDICAL GAS - AREA B

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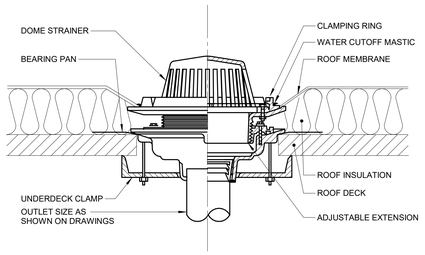
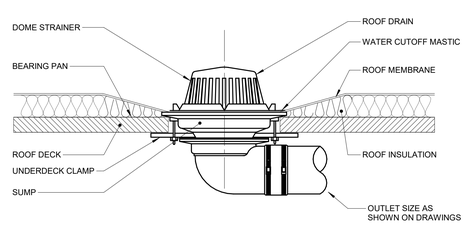
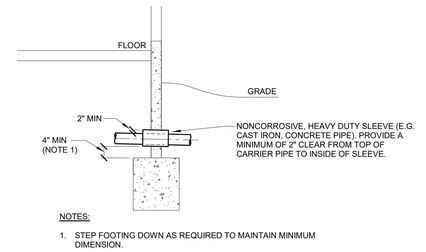
PROJECT #210067830 00



1 ROOF DRAIN DETAIL
12" = 1'-0"



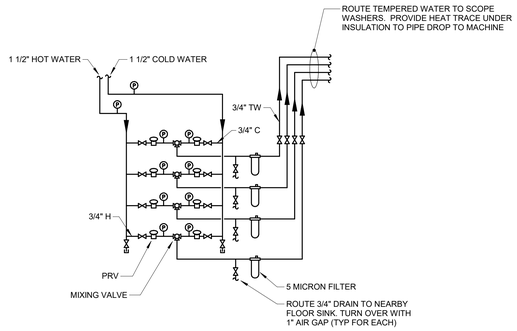
2 ROOF DRAIN DETAIL (SIDE OUTLET)
12" = 1'-0"



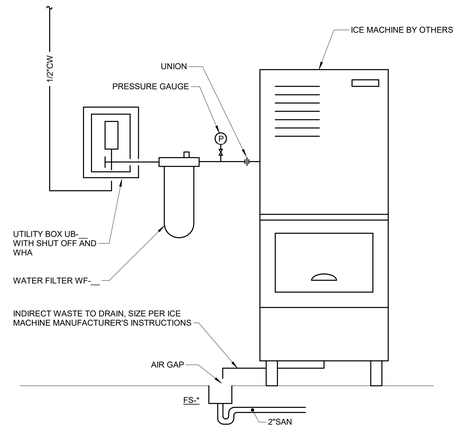
NOTES:

1. STEP FOOTING DOWN AS REQUIRED TO MAINTAIN MINIMUM DIMENSION.

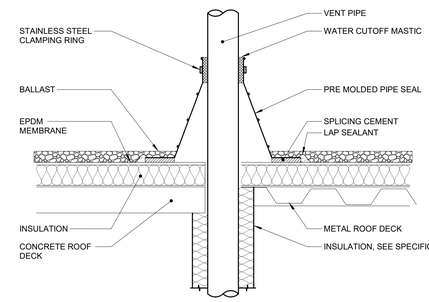
3 PIPE FOUNDATION AND SLEEVE DETAIL
12" = 1'-0"



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"

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Checked By	Checker

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P400

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PLUMBING DETAILS

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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
OUTLET	MEDICAL GAS SERVICE OUTLET, RECESSED AND CONNECTABLE WALL UNIT FOR ONE GAS, 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 AND 1-1/2" C.P. BRASS TAILPIECE. 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. PROVIDE TRUEBRO "LAVSHIELD" PVC ENCLOSURE MODEL 2018-AS-L1	LAVATORY - AMERICAN STANDARD NO. 0356.015 "LUCERNE" WALL HUNG LAVATORY. LAVATORY TRIM - SPEAKERMAN 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, IAPMO IS LISTED AND 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 (LSS3839ASET), 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 BED 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 AND BEVERAGE DISPENSING 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 FLEXIBLE 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 "MAX" 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, CAST IRON DOMED STRAINER, UNDERDECK CLAMP AND ADJUSTABLE EXTENSION.	WADE NO. 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 MODEL 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 2.0 GPM AT 30 PSI. ACTIVATION TIME SHALL BE 1 SECOND OR LESS. BRASS/BRONZE PIPING, FITTINGS, AND VALVES SHALL BE CHROME-PLATED OR CHEMICAL-RESISTANT POWDER COATED. EMERGENCY MIXING VALVE - THERMOSTATIC MIXING VALVE FOR EMERGENCY EYEWASH OR COMBINATION EYEWASH/FACEWASH FIXTURE, BRONZE BODY CONST