ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS

Owner	☒
Architect	☒
Consultant - MEP	☐
Consultant - Struct	☐
Contractor	☒
Field	☐
Other	

PROJECT - (name, address)	**SURGERY CENTER OF LEE'S SUMMIT** 1318 E. 104th St. Kansas City, MO 64131	**ARCHITECT'S SUPPLEMENTAL INSTRUCTION NO. - (6)**	**6**
OWNER -	**Hammes Partners** 1400 N. Water Street, Suite 500 Milwaukee, Wisconsin 53202	**DATE OF ISSUANCE -** April 29, 2024	
TO - (Contractor)	**JE Dunn Construction** 1001 Locust St Kansas City, MO 64106	**ARCHITECT -**	ACI Boland, Inc. 1710 Wyandotte Kansas City, MO 64108
CONTRACT DATED -		**ARCHITECT'S PROJECT NO. -**	3-22030

The Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract Time.

Description -
ASI 06 captures changes to the documents that support RFI responses, specifically regarding RFI 46. Which include modifications to the exterior canopies to conceal the dry-pipe sprinkler system. In addition, interior changes include mock-up changes to the OR's, Scope Processing area, Sterile Assembly, and Prep/Recovery Bays.

DRAWINGS:

ARCHITECTURE

A0.2 CODE FOOTPRINT PLAN
- **a.** Plan adjustments updated at Scope Reprocessing and Scope Storage.
- **b.** Clean Linen 167 & Soiled Hold 173 upgraded to 1-hour rated room.

A2.1 FIRST FLOOR DIMENSION PLAN
- **a.** Detail callouts were added at South canopy columns.

A2.4 PLAN DETAILS
- a. Details A6 & B6 added to sheet, detailing column wraps at South Canopy.

A3.1 REFLECTED CEILING PLAN
- a. EIFS step-down in soffit added at North and South Canopy to accommodate sprinkler system.
- b. Metal Panel pocket in soffit added at Grid x-1.
- c. Detail Callouts added to RCP.

A4.1 DOOR AND FRAME SCHEDULE AND DETAILS
- **a.** Door 173 – Size increased to 3'-6" & rating changed to 45 min.

A5.1 EXTERIOR ELEVATIONS
- **a.** Detail callouts were added at South canopy columns at Elevation A6 & C1.

A6.2 WALL SECTIONS
- **a.** Details updated to reflect soffit adjustments.

A6.3 WALL SECTIONS
- **a.** Details updated to reflect soffit adjustments.

A6.4 WALL SECTIONS

a. Details updated to reflect soffit adjustments.

A6.5 SECTION DETAILS

a. Detail C1 – Metal panel and EIFS adjusted at soffit.
b. Detail E3 – Detail added to sheet to show metal panel pocket added at Grid x-1.

A6.6 SECTION DETAILS

a. Detail B6 – Detail added to sheet to show EIFS soffit transition.
b. Details C5, D5, & E3 - Details updated to reflect soffit adjustments.

TI-A2.1 TI – FIRST FLOOR PLAN

a. Plan adjustments at Scope Processing area.
b. Handwashing sinks changed to wall hung lavatories at Hallway 120 & 140.

TI-A2.2 ENLARGED ANNOTATION PLAN – AREA A

a. Plan layout changes at Scope Reprocessing (165) and Scope Storage (154).
b. Paper towel dispensers changed from recess mount to surface mount (A5082a) in 20 locations throughout Area A. (Not all instances are clouded).
c. Nurse Station casework adjusted. 1 printer cabinet removed, remaining printer cabinet relocated to center of nurse station.
d. Hallway 120 & Hallway 140 – Handwashing station casework and sinks removed. Sinks replaced with wall hung lavatory.
e. Alcove 119 – PLAM lockers added to alcove.
f. Clean 135, Storage 137, Storage 157 – Equipment updated to reflect Storage Systems layout (RFI-77).

TI-A2.3 ENLARGED ANNOTATION PLAN – AREA B

a. Fire Extinguisher Cabinets tagged as A1000 (Clean Agent Type) in lieu of ABC extinguisher at Mech Room 195 and Hall 180.
b. Anesth. 178, Sterile Storage 186 – Equipment updated to reflect Storage Systems layout (RFI-77).
c. Paper towel dispensers changed from recess mount to surface mount (A5082a) in 9 locations throughout Area B. (Not all instances are clouded).
d. Interior elevation tags changed at OR's to typical elevations, per OR mockups.

TI-A2.4 ENLARGED ANNOTATION PLAN – AREA C

a. Television monitor relocated in Waiting.
b. Paper towel dispensers changed from recess mount to surface mount (A5082a) in 3 locations throughout Area C. (Not all instances are clouded).

TI-A3.1 FIRST FLOOR REFLECTED CEILING PLAN

a. Plan adjustments at Scope Processing area.

TI-A3.2 ENLARGED RCP – AREA A

a. Plan adjustments at Scope Processing area.
b. Dimensional clarification added to centerline of Procedure Room 152, to match shop drawings.

TI-A3.3 ENLARGED RCP – AREA B

a. Dimensional clarification added to ceiling mounted gases/outlets in all OR's, per mockup walkthrough.
b. SK Box (U1046) added above ceiling in all OR's.
c. Access Door (AD) relocated to be adjacent to SK Box in all OR's.

TI-A3.4 ENLARGED RCP – AREA C

a. Ceiling at exterior canopy adjusted to reflect soffit changes.

TI-A4.1 DOOR AND FRAME SCHEDULE AND DETAILS

- **a.** Door 155 – Size changed to 3'-0" door and hardware set changed to 24.
- **b.** Borrowed Lite 161B – Rating changed to 45 min.
- **c.** Door 167 – Rating changed to 45 min.

TI-A4.2 ROOM FINISH SCHEDULE AND FINISH LEGEND

- **a.** Meds 122 – Wall protection removed from S Wall.
- **b.** Storage 137 – Wall protection removed from S Wall.
- **c.** Storage 157 – Wall protection added to W & S Walls.

TI-A4.3 FFE SCHEDULE

- **a.** A1000 – Fire Extinguisher Cabinet – changed to clean agent type.
- **b.** A5082a – Paper Towel, Surface Mount – added to schedule.
- **c.** U1050 – Generic Blocking - added to schedule.

TI-A7.2 INTERIOR ELEVATIONS

- **a.** Elevation A3 & A4 – Adjustments per TV removal/relocation.
- **b.** Elevation C2 & D2 – Adjustments at Nurse station to reflect printer cabinet removal and relocation.
- **c.** Elevation D5 – Dimensional adjustments at P/R headwall.
- **d.** Elevation E4 – Dimensional adjustments at P/R headwall per mockup walkthrough.

TI-A7.3 INTERIOR ELEVATIONS

- **a.** Elevation B2 – Elevation adjusted per plan changes at Scope Reprocessing. Casework had no change.
- **b.** Elevation C3 – Casework adjusted at Sterile Assembly to have cabinet mounted rods.

TI-A7.4 INTERIOR ELEVATIONS

- **c.** Elevation B4, B5, & C1 – Removed from sheet.
- **d.** Elevation A3, A4, & A5 – Adjusted to reflect on-site mockup changes, typicals for all OR's.
- **e.** Elevation C4 & C5 – Added to sheet.

TI-A7.7 INTERIOR DETAILS

- **a.** Details D3 & D4 – Added to sheet.

ELECTRICAL

E1.1 FIRST FLOOR POWER PLAN – OVERALL

- **a.** Removed TV receptacle in Waiting 100.
- **b.** Revised TV receptacle locations near Refreshment 100B.
- **c.** Revised receptacles in Scope Reprocessing 155.
- **d.** Added keynote 42, noting to provide UPS for medical equipment in Scope Reprocessing 155.
- **e.** Revised location of receptacle serving scope drying cabinet to Scope Storage 154.
- **f.** Added receptacle for additional scope drying cabinet in Scope Storage 154.
- **g.** Revised location of receptacle in Storage 157.
- **h.** Removed receptacle in Storage 157.
- **i.** Revised receptacle serving garbage disposal to be GFCI type in Staff Lounge 166.
- **j.** Removed receptacle in Meds 122.
- **k.** Removed receptacles in Storage 137.
- **l.** Added dead-front GFCI device and revised receptacle in Clean 136.
- **m.** Removed receptacle in Sterile Assembly 171.
- **n.** Revised location of receptacle in Sterile Storage 186.
- **o.** Removed receptacle in Sterile Storage 186.
- **p.** Revised receptacle to be tamper resistant type in Equipment Alcove 167.5.
- **q.** Added receptacle and circuit in Equipment Alcove 167.5.
- **r.** Revised keynote 23.

E2.1 FIRST FLOOR LIGHTING PLAN – OVERALL

a. Added exit signs at intersection of Hall 120 and Hall 160.
b. Revised light fixture layout and controls locations in Scope Storage 154 and Scope Reprocessing 155.
c. Revised light fixture and exit sign location in Hall 150.
d. Added undercabinet light fixtures in GI Procedure 152 and GI Procedure 156.
e. Revised light switch location in each Prep/Recovery room.
f. Added keynote 16 to inverter lighting circuits.

E3.1 FIRST FLOOR SPECIAL SYSTEMS PLAN – OVERALL

a. Added smoke detectors in Reception 102, Administration 105, Exam 109, Consult 111, Office 129, Office 161, Office 163, Office 165, Women Locker 175, Men Locker 177.
b. Revised location of strobe in Sterile Storage 186.
c. Removed strobe in Sterile Storage 186.
d. Revised location of devices in Scope 153, 154 & 155.

E4.1 ENLARGED ELECTRICAL PLANS

a. Revised location of headwall devices.
b. Revised location of devices in OR#1, OR#2, OR#3.

E7.3 ELECTRICAL SCHEDULES

a. Added 20A/1P breaker on panel CRL2.
b. Revised name of circuit on panel CRL1.
c. Revised spare breaker to be used on panel CRL1.
d. Revised breaker to be GFCI type on panel NL2.

MECHANICAL

M1.1a FIRST FLOOR HVAC PLAN – AREA A

a. Revised duct & diffuser layout to match updated scope reprocessing area.

M1.2 FIRST FLOOR HVAC ROOM PRESSURIZATION PLAN – OVERALL

a. Revised pressure relationships and CFMs listed in scope reprocessing area.

M2.1A FIRST FLOOR HYDRONIC PLAN – AREA A

a. Temperature, humidity, and pressure monitor added to Storage 157 to match it's use as a sterile storage space.

PLUMBING

P1.0A UNDERSLAB PLUMBING PLAN AREA A

a. Moved drain for sink to accommodate architectural changes.

P1.1A FIRST FLOOR DRAIN AND VENT PLAN AREA A

a. Added detail reference to 11/P5.3.
b. Moved drain for sink and trap primer to accommodate architectural changes.

P2.1A FIRST FLOOR WATER AND GAS PLAN AREA A

a. Updated note #4
b. Added SG-2 to left side of sink for air.
c. Added detail reference 11/P5.3 to the medivators.
d. Moved the water piping serving the moved sink.

P2.1B FIRST FLOOR WATER AND GAS PLAN AREA B

a. Updated DI water main routing per RFI 68.

P3.1A FIRST FLOOR GAS & VACUUM PLAN – AREA A

a. Moved ZVB-3 and ZVB-4 per RFI 071. Updated source side and patient side piping serving these new valve locations.
b. Updated Instrument air sizing for new demand.
c. Added ¾" branch from ZVB-9 to serve the Scope Reprocessing room with an instrument air connection to each medivator and a new SG-2 at sink.
d. Added note #6 and added to medivators.
e. Removed SG-2 from Scope Decon 153 per owner request.

P3.1B FIRST FLOOR GAS & VACUUM PLAN – AREA B

a. Added Instrument Air branch from main to ZVB-12 for Sterile Assembly instrument air, and added an SG-2 to the countertop as requested by owner.
b. Updated sizing of the instrument air main in Hall 180.
c. Updated Operating room med gas pipe routing and outlet locations per notes taken in the field.
d. Updated Note 4.
e. Moved CO2 outlet to Surgical Boom from overhead outlets as requested in markups.

P5.3 PLUMBING DETAILS

a. Added requirements and install detail for medivators. Added note to drain to floor sink instead of a wall box.

P6.1 PLUMBING SCHEDULES

a. Updated MV-5 schedule on the Hot Water Mixing Valve Schedule.
b. Added zone valve box ZVB-12
c. Updated locations for ZVB-3 &4.

P6.2 PLUMBING SCHEDULES

a. Added Drain Box DB-1

TECHNOLOGY

T1.1 FIRST FLOOR TECHNOLOGY PLAN – OVERALL

a. Added "DD" nurse call device outside of Administration 105.
b. Removed dual data drop from Exam 109.
c. Removed "CL" nurse call device outside of Consult 111.
d. Replaced dual data drop with wall phone in Consult 111.
e. Added TV outlet location to corridor side of south wall of Consult 111.
f. Removed (1) TV outlet location from Refreshment 100B and centered remaining TV outlet.
g. Removed dual data drop from Office #4 129 and added "DS" nurse call device.
h. Removed wall phone from Soiled 164.
i. Added "CS" nurse call device to all patient recovery rooms.
j. Removed dual drop from Nuse Station 118 and added single data drop centered in desk area.
k. Removed (2) dual data drops from Meds 122.
l. Removed dual data drop from GI Procedure 152.
m. Removed (3) dual data drops from Scope Reprocessing 155.
n. Added "DD" nurse call device inside Scope Decon 153.
o. Removed dual data drop from GI Procedure 156.
p. Removed dual data drop from Staff Lounge 166 and relocated "DS" nurse call device to south wall.
q. Removed (4) dual data drop locations from OR #1 181.
r. Removed (5) dual data drop locations and (1) TV location from OR #2 183.
s. Removed (5) dual data drop locations and (1) TV location from OR #3 185.
t. Removed (4) dual data drop locations from Decon 182.
u. Removed (3) dual data drop locations from Sterilizers 184.
v. Removed wall phone from Soiled Hold 173.
w. Removed dual data drop from Office #1 165.
x. Removed dual data drop from Office #2 163.
y. Removed dual data drop from Office #3 161.

z. Removed “DS” nurse call device and wall phone from within Neptune 172, and “DD” nurse call device outside of Neptune 172.

aa. Removed wall phone from Hall 170.

Attachments - (List attached documents that support description.)

ISSUED - ACI / BOLAND, INC.

BY - Rosemary S Nelson **4/30/2024**

Signature Date

OCCUPANT LOAD

NUMBER	ROOM NAME	AREA	OCC LOAD FACTOR	OCCUPANTS
100	WAITING	1004 SF	7	144
100B	REFRESHMENT	79 SF	7	12
102	RECEPTION	273 SF	150	2
103	CHECK-IN	58 SF	150	1
104	CHECK-IN	65 SF	150	1
105	ADMINISTRATION	410 SF	150	3
108	COMMS	75 SF	300	1
109	EXAM	105 SF	100	2
111	CONSULT	81 SF	100	1
115	PR 2	105 SF	100	2
116	PR 1	99 SF	100	1
117	PR 3	105 SF	100	2
118	NURSE STATION	239 SF	100	3
119	ALCOVE	29 SF	100	1
121	PR 4 - 23 HR	121 SF	100	2
122	MEDS.	85 SF	100	1
124	PR 7	99 SF	100	1
125	PR 5 - 23 HR	121 SF	100	2
126	PR 8	99 SF	100	1
127	PR 6	105 SF	100	2
128	PR 9	99 SF	100	1
129	OFFICE 4	123 SF	150	1
131	NOURISH.	48 SF	100	1
132	PR 1	102 SF	100	2
133	PR 4	99 SF	100	1
134	PR 2	97 SF	100	1
135	CLEAN	119 SF	100	2
136	PR 3	97 SF	100	1
137	STORAGE	174 SF	300	1
138	PR 5	97 SF	100	1
142	PR 6	97 SF	100	1
144	PR 7	97 SF	100	1
146	PR 8	97 SF	100	1
151	DICTATION	23 SF	100	1
152	GI PROCEDURE	340 SF	100	4
153	SCOPE DECON.	136 SF	100	2
154	SCOPE STORAGE	91 SF	300	1
155	SCOPE REPROCESSING	159 SF	100	2
156	GI PROCEDURE	304 SF	100	4

OCCUPANT LOAD

NUMBER	ROOM NAME	AREA	OCC LOAD FACTOR	OCCUPANTS
157	STORAGE	90 SF	300	1
161	OFFICE 3	92 SF	150	1
162	DICTATION	30 SF	100	1
163	OFFICE 2	92 SF	150	1
164	SOILED	80 SF	300	1
165	OFFICE 1	92 SF	150	1
166	STAFF LOUNGE	396 SF	150	3
167	CLEAN LINEN	64 SF	300	1
167.5	EQUIPMENT ALCOVE	34 SF	100	1
169	JAN	49 SF	300	1
171	STERILE ASSEMBLY	478 SF	100	5
172	NEPTUNE	38 SF	300	1
173	SOILED HOLD	48 SF	300	1
174	JANITOR	43 SF	300	1
175	WOMENS LOCKER ROOM	359 SF	50	8
176	PATH LAB	46 SF	100	1
177	MENS LOCKER ROOM	323 SF	50	7
178	ANESTH.	52 SF	100	1
179	ELEC.	8 SF	300	1
180A	SCRUB SINK	8 SF	100	1
180B	SCRUB SINK	18 SF	100	1
181	OR 1	473 SF	100	5
182	DECON	251 SF	100	3
183	OR 2	445 SF	100	5
184	STERILIZERS	107 SF	300	1
185	OR 3	428 SF	100	5
186	STERILE STORAGE	398 SF	300	2
187	EQUIP. STORAGE	468 SF	300	2
189	STRETCHER ALCOVE	13 SF	100	1
191	TRASH	75 SF	300	1
192	RECEIVING	380 SF	300	2
195	MECH ROOM	441 SF	300	2
196	EM ELEC ROOM	151 SF	300	1
197	ELEC.	70 SF	300	1
198	WATER ENTRY	55 SF	300	1
199	GAS STOR.	109 SF	300	1
Grand total				287

AREA OF REFUGE CALCULATION

SMOKE COMPARTMENT #1		SMOKE COMPARTMENT #2	
22 PATIENTS X 30 SF= (TOTAL REQUIRED AREA)		15 PATIENTS X 30 SF= (TOTAL REQUIRED AREA)	
"DEFEND IN PLACE" (REMAIN IN SC#1) AREA PROVIDED FOR SC#1	**4,159 SF**	"DEFEND IN PLACE" (REMAIN IN SC#2) AREA PROVIDED FOR SC#2	**2,316 SF**
MOVE COMPARTMENTS, (TO COMPARTMENT #2) AREA PROVIDED FOR SC#2	**2,316 SF**	MOVE COMPARTMENTS, (TO COMPARTMENT #1) AREA PROVIDED FOR SC#1	**4,159 SF**

*PER 2018 IBC, SECTION 422.3.2

CODE SUMMARY

PROJECT CONSTRUCTION PURPOSE: New Construction of an Ambulatory Surgery Center

OWNER:
Hammes Partners Headquarters
1400 N. Water Street, Suite 500
Milwaukee, Wisconsin 53202

DESIGNER:
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, Missouri - Codes Administration Department

CODE INFORMATION:
2018 INTERNATIONAL BUILDING CODE
2018 INTERNATIONAL PLUMBING CODE
2018 INTERNATIONAL MECHANICAL CODE
2018 INTERNATIONAL FIRE CODE
2018 INTERNATIONAL RESIDENTIAL CODE
2018 INTERNATIONAL FUEL GAS CODE
2017 NATIONAL ELECTRIC CODE (NFPA 70)
19 CSR 30-30

TANDARDS FOR ACCESSIBLE DESIGN / AMERICANS W ILITIES ACT OF 1990
2009 ICC/ANSI A11.71

NOTE: IF CODE REQUIREMENTS OVERLAP, THE MOST STRINGENT SHALL APPLY.

TYPE OF CONSTRUCTION: **II-B** IBC II (000) NFI — 3

Allowable Area
able 506.2 — Allowable 92,000 — Actual +/- 17,920
(Type II-B Sprinklered One Story)

Allowable Height
2018 IBC Table 504.3 — Allowable 75' — Actual 30'-9"
Building Height
(Type II-B Sprinklered)
2012 NFPA 5000 Table 7.4.1 — Allowable 75' — Actual 30'-9"
Building Height
(Type II-B Sprinklered)

OCCUPANCY GROUP: B (*Ambulatory Care Facility*) — 3

OCCUPANT LOAD:
TOTAL SQUARE FOOTAGE: SF / = 17,920 SF
TOTAL NUMBER OF OCCUPANTS = 284

DEAD END CORRIDOR LENGTH LIMIT: 50'

EXIT ACCESS TRAVEL DISTANCE: 100' MAXIMUM — 3

COMMON PATH OF TRAVEL: 149'-11"

AREA OF CONSTRUCTION:
+/- 17,920 SF

REQUIRED FIRE RESISTANCE RATINGS (IN HOURS)
PER NFPA 101 A.8.2.1.2:

EXTERIOR BEARING WALLS	0 HR
INTERIOR BEARING WALLS	0 HR
PRIMARY STRUCTURAL FRAME	0 HR
FLOOR CONSTRUCTION	0 HR
ROOF CONSTRUCTION	0 HR
INTERIOR NON-BEARING WALLS	0 HR

ACTIVE FIRE SAFETY FEATURES:
- FIRE ALARM SYSTEM - THE FIRE ALARM SYSTEM IS SPECIFIED AS AN ADDRESSABLE TYPE SYSTEM. THE DEVICE TYPE AND LOCATIONS ARE PER THE APPLICABLE CODES AS WELL AS ADA REQUIREMENTS.

- SMOKE CONTROL SYSTEM - ALL DUCTWORK PENETRATING SMOKE RATED WALLS WILL HAVE A SMOKE OR COMBINATION FIRE/SMOKE DAMPER AS INDICATED ON CONSTRUCTION DOCUMENTS. THESE DAMPERS WILL CLOSE UPON DETECTION OF SMOKE BY THE AREA SMOKE DETECTORS OR DUCT SMOKE DETECTORS IN THE AIR HANDLING UNITS.

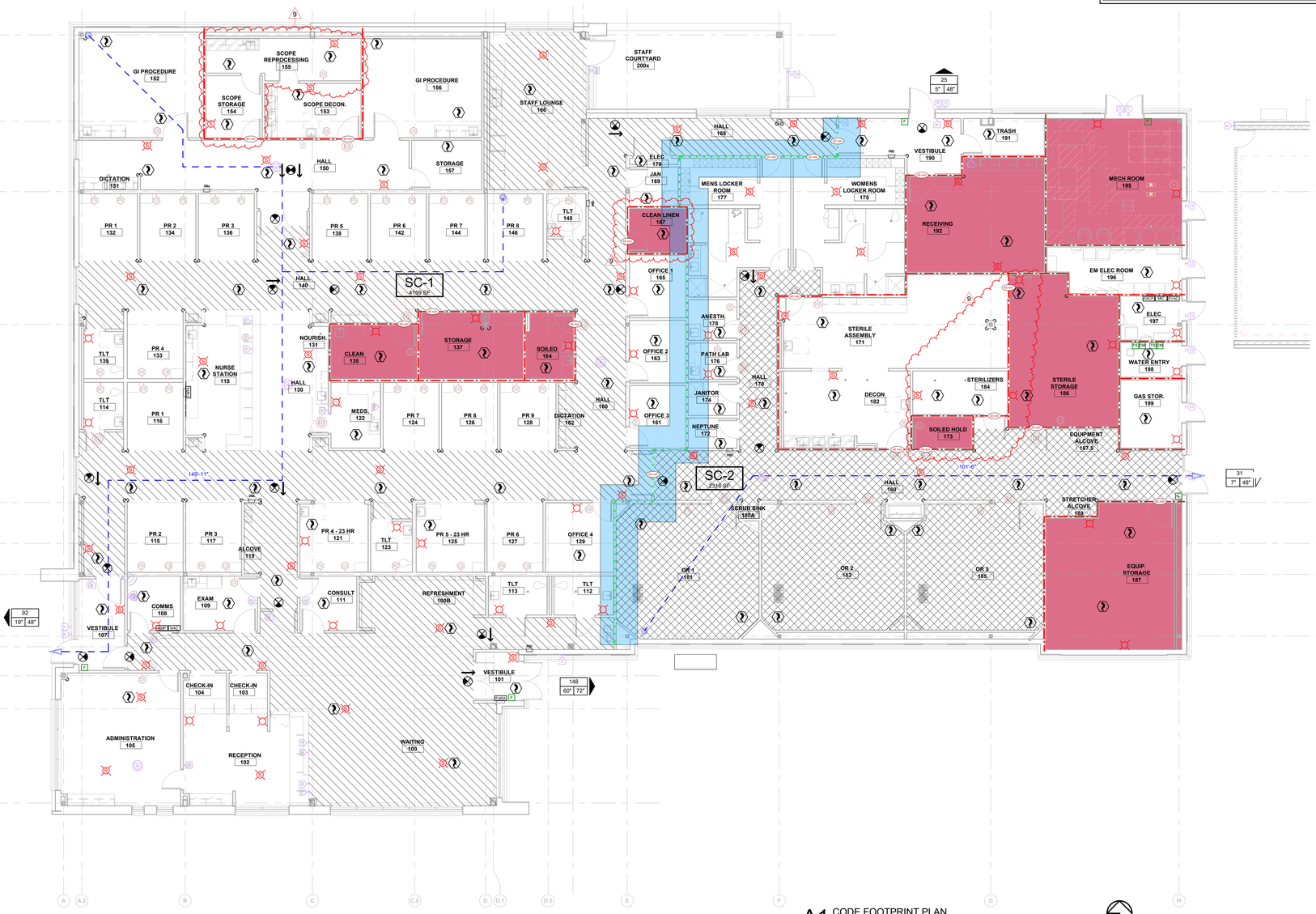
- FIRE SPRINKLER SYSTEM - SPECIFIED TO BE PER NFPA 13. THE SPRINKLER HEADS ARE SPECIFIED TO BE QUICK RESPONSE TYPE.

- EMERGENCY LIGHTING AND POWER - EMERGENCY LIGHTING, LIFE SAFETY AND CRITICAL LOADS WILL RECEIVE POWER FROM A BACKUP GENERATOR LOCATED OUTSIDE THE MAIN ELECTRICAL ROOM.

- ILLUMINATED EXIT SIGNS

PASSIVE FIRE SAFETY FEATURES:

- SMOKE COMPARTMENTS NO GREATER THAN 22,500 SF



A1 CODE FOOTPRINT PLAN
1/8" = 1'-0"

NORTH

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

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
- REFUGE AREA - SMOKE COMPARTMENT #1
- NOT IN ARCHITECTURAL SCOPE
- REFUGE AREA - SMOKE COMPARTMENT #2

SYMBOLS

- SC-1 / SIZE SF — SMOKE COMPARTMENT DESIGNATION
- S1 / NON-SLEEP SIZE SF — SUITE DESIGNATION
- FIRE EXIT
- 50 / 12" 36" — OCCUPANT LOAD / EXIT WIDTH PROVIDED / EXIT WIDTH REQUIRED
- NEW FIRE EXTINGUISHER CABINET
- EXISTING FIRE EXTINGUISHER CABINET
- EXIT SIGN
- FIRE DOOR RATING
- 124' — TRAVEL DISTANCE
- FIRE/SMOKE DAMPER
- SMOKE DETECTOR
- HEAT DETECTOR
- STROBE
- STROBE/SPEAKER
- HORN/STROBE
- HORN
- F — FIRE PULL STATION
- FIRE SPRINKLER ZONE VALVE

STATE OF MISSOURI
SAMUEL K. BECKMAN
NUMBER A-2011012130
ARCHITECT
2/8/2023
Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600

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

CIVIL CONSULTANT
BHC
7101 College Blvd. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
Branch Pattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	02/08/23
Job Number	3-22030
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description
3	3/9/23	Addendum #3
9	4/29/24	ASI 6

A0.2

© 2022 ACI/BOLAND, Inc

CODE FOOTPRINT PLAN

KEYNOTE LEGEND - C&S

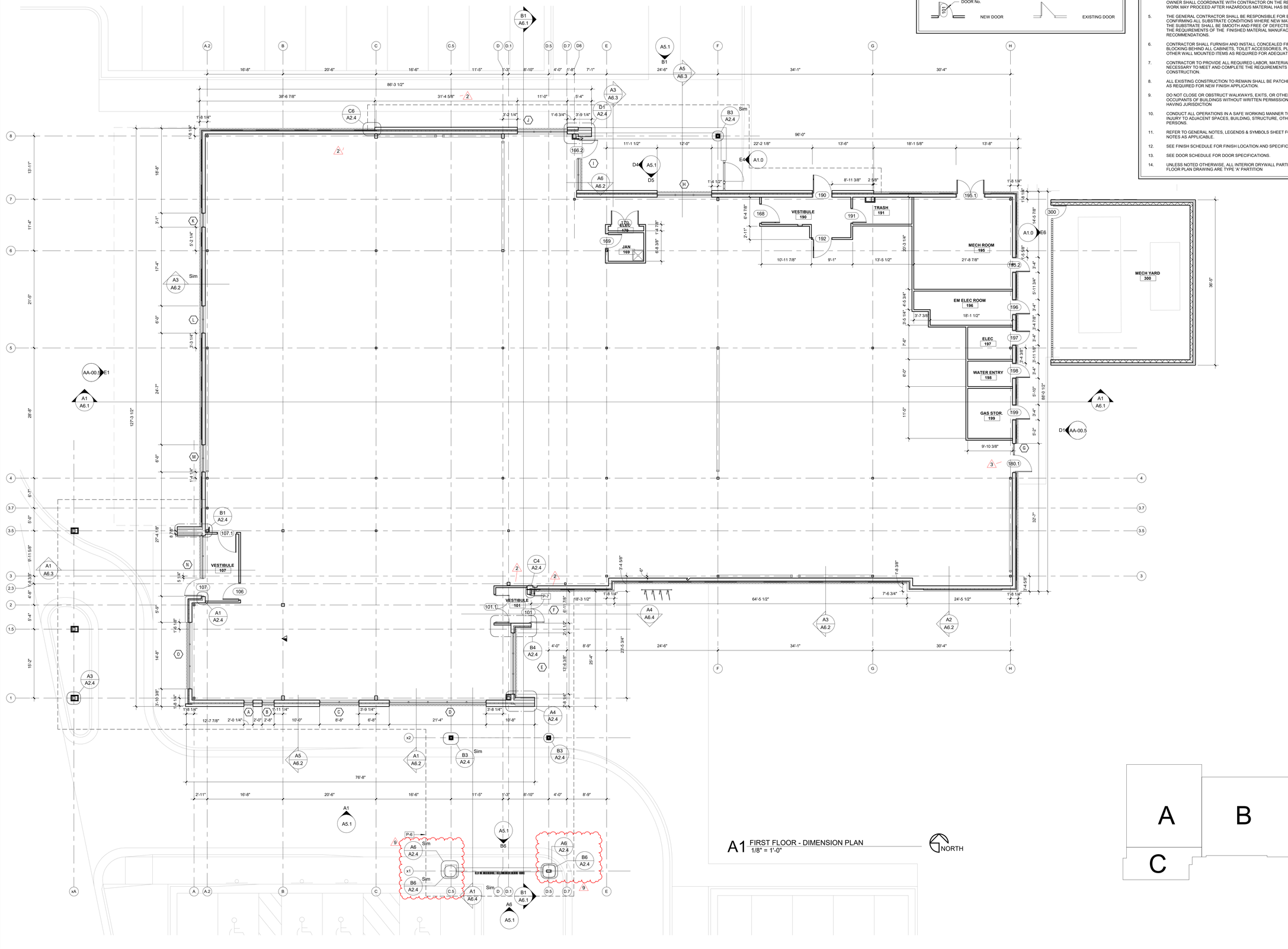
Key Value	Keynote Text
P-1	ROOF ACCESS HATCH AND LADDER.
P-4	FLOOR MOUNTED MECHANICAL EQUIPMENT, RE: MEP
P-5	MANUFACTURED METAL BOLLARDS
P-6	EXTENTS OF CANOPY ABOVE
P-7	KNOX BOX

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

GENERAL PLAN 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. IF MATERIAL SUSPECTED OF CONTAINING HAZARDOUS MATERIALS ARE ENCOUNTERED, DO NOT DISTURB. IMMEDIATELY NOTIFY ARCHITECT AND OWNER. OWNER SHALL COORDINATE WITH CONTRACTOR ON THE REMOVAL OF SUCH ITEMS. WORK MAY PROCEED AFTER HAZARDOUS MATERIAL HAS BEEN REMOVED.
5. 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.
6. CONTRACTOR SHALL FURNISH AND INSTALL CONCEALED FIRE-TREATED WOOD BLOCKING BEHIND ALL CABINETS, TOILET ACCESSORIES, PLUMBING FIXTURES, AND OTHER WALL MOUNTED ITEMS AS REQUIRED FOR ADEQUATE SUPPORT.
7. CONTRACTOR TO PROVIDE ALL REQUIRED LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO MEET AND COMPLETE THE REQUIREMENTS OF THE NEW CONSTRUCTION.
8. ALL EXISTING CONSTRUCTION TO REMAIN SHALL BE PATCHED, REPAIRED, AND PREP AS REQUIRED FOR NEW FINISH APPLICATION.
9. DO NOT CLOSE OR OBSTRUCT WALKWAYS, EXITS, OR OTHER FACILITIES USED BY OCCUPANTS OF BUILDINGS WITHOUT WRITTEN PERMISSION FROM AUTHORITIES HAVING JURISDICTION
10. CONDUCT ALL OPERATIONS IN A SAFE WORKING MANNER TO PREVENT DAMAGE OR INJURY TO ADJACENT SPACES, BUILDING, STRUCTURE, OTHER FACILITIES, AND PERSONS.
11. REFER TO GENERAL NOTES, LEGENDS & SYMBOLS SHEET FOR ADDITIONAL GENERAL NOTES AS APPLICABLE.
12. SEE FINISH SCHEDULE FOR FINISH LOCATION AND SPECIFICATIONS.
13. SEE DOOR SCHEDULE FOR DOOR SPECIFICATIONS.
14. UNLESS NOTED OTHERWISE, ALL INTERIOR DRYWALL PARTITIONS INDICATED ON THE FLOOR PLAN DRAWING ARE TYPE 'A' PARTITION



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

NORTH

STATE OF MISSOURI
SAMUEL K. BECKMAN
NUMBER A-2011012130
ARCHITECT
2/8/2023

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

ACI BOLAND ARCHITECTS
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600

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

CIVIL CONSULTANT
BHC
7101 College Blvd. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
Branch Pattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	02/08/23
Job Number	3-22030
Drawn By	Author
Checked By	Checker

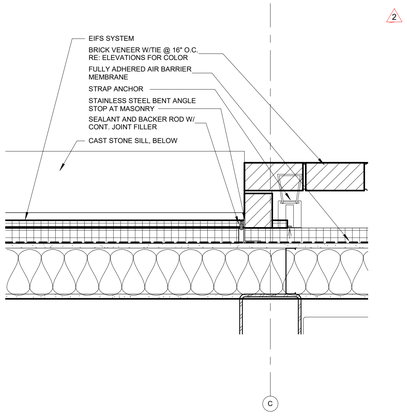
Revision

Number	Date	Description
2	2/20/23	Addendum #2
3	3/9/23	Addendum #3
9	4/29/24	ASI 6

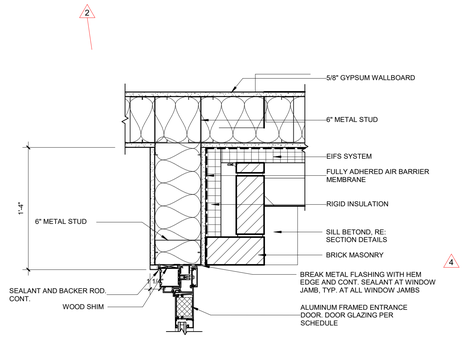
A2.1

© 2022 ACI/BOLAND, Inc

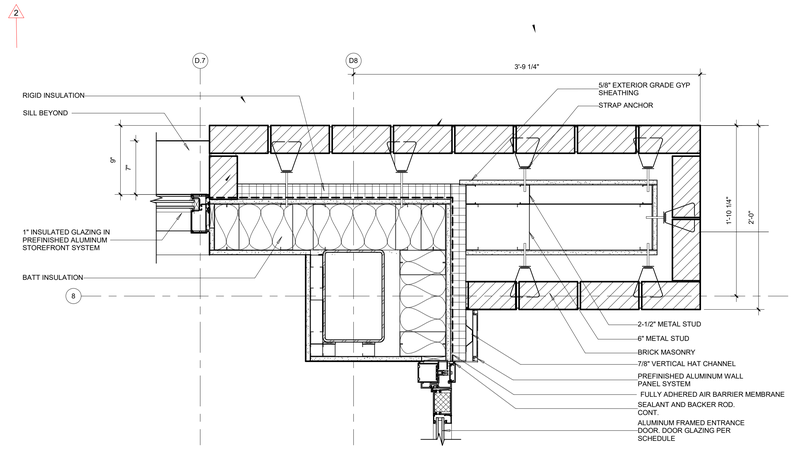
FIRST FLOOR DIMENSION PLAN



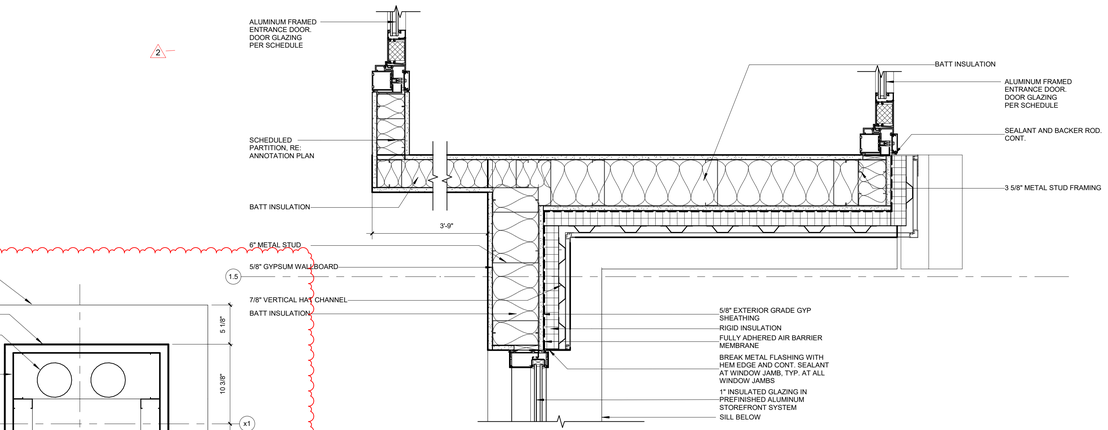
C6 DETAIL AT MASONRY BUMP OUT
1 1/2" = 1'-0"



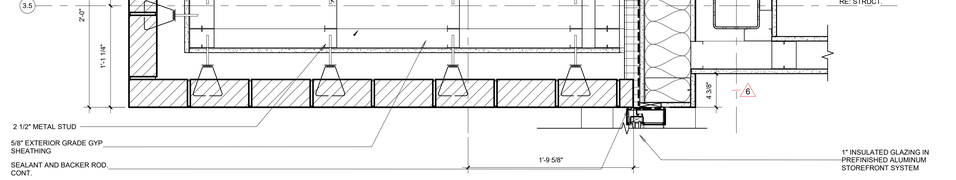
C4 PLAN DETAIL AT SOUTH ENTRANCE
1 1/2" = 1'-0"



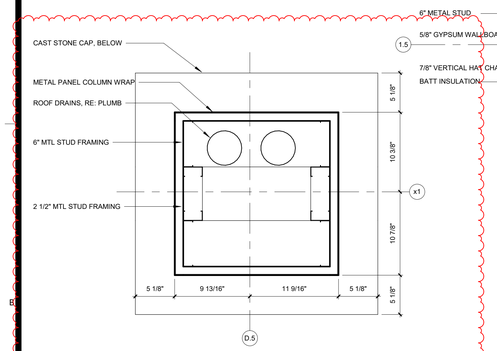
D1 PLAN DETAIL AT WING WALL AT EMPLOYEE PATIO
1 1/2" = 1'-0"



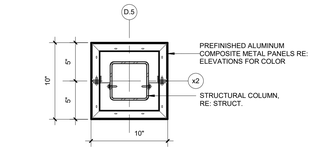
B4 PLAN DETAIL AT SOUTH ENTRANCE
1 1/2" = 1'-0"



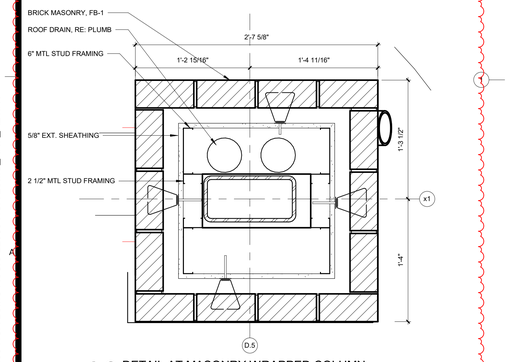
B1 PLAN DETAIL AT WEST WING WALL
1 1/2" = 1'-0"



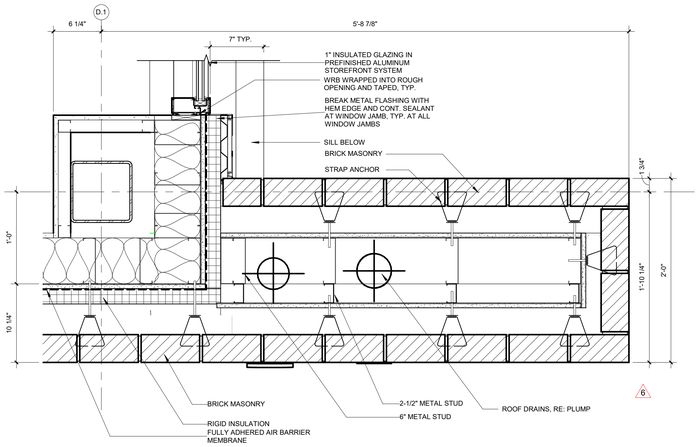
B6 DETAIL AT METAL WRAPPED COLUMN
1 1/2" = 1'-0"



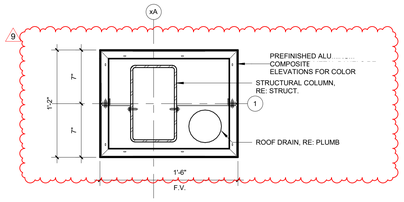
B3 TYP. METAL WRAP COLUMN
1 1/2" = 1'-0"



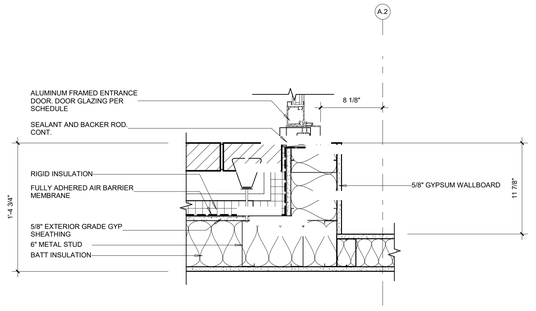
A6 DETAIL AT MASONRY WRAPPED COLUMN
1 1/2" = 1'-0"



A4 DETAIL AT SOUTH WING WALL
1 1/2" = 1'-0"



A3 TYP. METAL WRAP COLUMN
1 1/2" = 1'-0"



A1 PLAN DETAIL AT WEST ENTRANCE
1 1/2" = 1'-0"

STATE OF MISSOURI
SAMUEL K. BECKMAN
NUMBER A-2011012130
ARCHITECT
2/8/2023
Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600

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

CIVIL CONSULTANT
BHC
7101 College Blvd. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
Branch Pattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	02/08/23
Job Number	3-22030
Drawn By	Author
Checked By	Checker

Revision

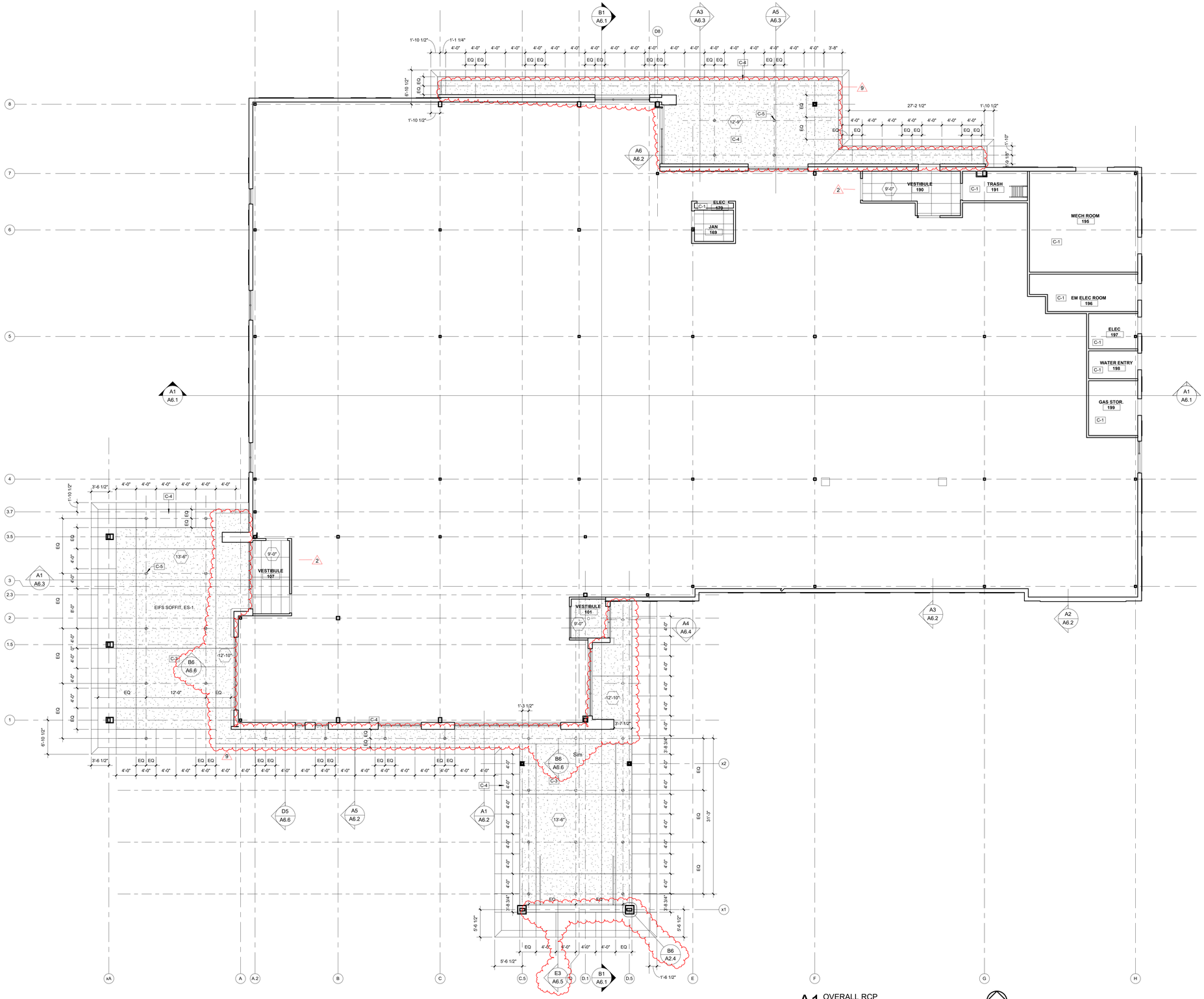
Number	Date	Description
2	2/20/23	Addendum #2
4	10/05/23	ASI 1
6	12/7/23	ASI 3
9	4/29/24	ASI 6

A2.4

© 2022 ACI/BOLAND, Inc

PLAN DETAILS

4/30/2024 10:52:20 AM



A1 OVERALL RCP
1/8" = 1'-0"

NORTH

CEILING LEGEND

- RECESSED CAN LIGHT FIXTURE RE: ELECT
- 2X4 RECESSED/SURFACE LIGHT FIXTURE RE: ELECT
- 2X2 RECESSED/SURFACE LIGHT FIXTURE RE: ELECT
- SURFACE-MOUNTED LIGHT FIXTURE RE: ELECT
- PENDANT LIGHT FIXTURE RE: ELECT
- WALL SCONCE LIGHT FIXTURE RE: ELECT
- 2X4 RECESSED/SURFACE LIGHT FIXTURE W/ PARA-CUBE LENS RE: ELECT
- 2X4 RECESSED/SURFACE PSYCHIATRIC LIGHT FIXTURE RE: ELECT
- C3 — GYP BOARD CEILING - PAINTED W/ CONTROL JOINTS PER SPECS
- EIFS — 2
- 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

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-4) 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 AND FINISH SCHEDULE 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.

KEYNOTE LEGEND - RCP

Key Value	Keynote Text
C-1	EXPOSED TO STRUCTURE ABOVE.
C-2	DESIGNFLEX PATTERN ACT-3 CEILING. RE: SCHEDULE.
C-3	EIFS SOFFIT, ES-1.
C-4	METAL PANEL SOFFIT, MP-1.
C-5	EXTERIOR LIGHTING FIXTURE. RE: ELECTRICAL

Samuel K. Beckman - Architect
License - Missouri #A-2011012130
2/8/2023

ACI BOLAND ARCHITECTS
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600

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

CIVIL CONSULTANT
BHC
7101 College Blvd. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
Branch Pattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	02/08/23
Job Number	3-22030
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description
2	2/20/23	Addendum #2
9	4/29/24	ASI 6

A | B | C

A3.1

© 2022 ACI/BOLAND, Inc

REFLECTED CEILING PLAN

BIM 360://3-22030 HCA LSMC ASC/3-22030 HCA LSMC_Arch_R21.rvt

4/30/2024 10:52:21 AM

DOOR SCHEDULE - CS

DOOR #	ROOM NAME	DOOR INFORMATION WIDTH	HEIGHT	NO. OF LEAVES	UNEQUAL LEAF WIDTH	ELEV.	MATL.	FRAME INFORMATION ELEV.	MATL.	GLAZING	LABEL (MIN.)	HARDWARE SET	OPENING DETAIL HEAD	JAMB	REMARKS	REV #
101	VESTIBULE	3'-0"	8'-6"	2		FGS	ALUM	--	ALUM	--	--	26	--	--	CS; AUTO OPERATOR	
101.1	WAITING	3'-0"	8'-6"	2		FGS	ALUM	--	ALUM	--	--	25	--	--	CS; AUTO OPERATOR	
106	VESTIBULE	3'-6"	7'-0"	1		F	WD	1	HM	--	--	17	A5/TI-A4.1	A6/TI-A4.1	CS	
107	VESTIBULE	4'-0"	8'-0"	1		FGN	ALUM	--	ALUM	GL-1	--	22	--	--	CS; CARD READER & AUTO OPERATOR, AIPHONE	
107.1	VESTIBULE	4'-0"	7'-0"	1		F	WD	1	HM	--	--	19	A5/TI-A4.1	A6/TI-A4.1	CS; CARD READER & AUTO OPERATOR	
166.2	STAFF LOUNGE	4'-0"	8'-0"	1		FGN	ALUM	--	ALUM	IGU	--	21	--	--	CS; CARD READER	3
168	VESTIBULE	4'-0"	7'-0"	1		N	WD	1	HM	--	20 min	10	--	--	CS; CARD READER	4
169	JAN	3'-0"	7'-0"	1		F	WD	1	HM	--	--	07	A5/TI-A4.1	A6/TI-A4.1	CS	
173	SOILED HOLD	3'-6"	7'-0"	1		F	WD	1	HM	--	45 min	07	A5/TI-A4.1	A6/TI-A4.1	CS	9
179	HALL	3'-0"	7'-0"	1		F	WD	1	HM	--	--	13			CS	
180.1	HALL	4'-0"	8'-6"	1		FGN	ALUM	--	ALUM	--	--	23	--	--	CS	
190	VESTIBULE	4'-0"	7'-0"	1		N	HM	1	HM	IGU	--	16	A3/TI-A4.1	A4/TI-A4.1	CS; CARD READER	3, 4
191	TRASH	3'-0"	7'-0"	1		F	WD	1	HM	--	20 min	03	--	--	CS	
192	VESTIBULE	4'-0"	7'-0"	1		V	WD	1	HM	--	45 min	03	A5/TI-A4.1	B6/TI-A4.1	CS;4x4 Plate, SST Edge Protection	
195.1	MECH ROOM	3'-0"	7'-0"	2		F	HM	2	HM	--	--	20	C3/TI-A4.1		CS	
195.2	MECH ROOM	3'-0"	7'-0"	1		F	HM	1	HM	--	--	14	C3/TI-A4.1	B4/TI-A4.1	CS	
196	EM ELEC ROOM	3'-0"	7'-0"	1		F	HM	1	HM	--	--	15	C3/TI-A4.1	B4/TI-A4.1	CS	
197	ELEC	3'-0"	7'-0"	1		F	HM	1	HM	--	--	15	C3/TI-A4.1	B4/TI-A4.1	CS	
198	WATER ENTRY	3'-0"	7'-0"	1		F	HM	1	HM	--	--	14	C3/TI-A4.1	B4/TI-A4.1	CS	
199	GAS STOR.	3'-0"	7'-0"	1		F	HM	1	HM	--	--	14	C3/TI-A4.1	B4/TI-A4.1	CS	
300	MECH YARD	3'-0"	7'-0"	1		--	STEEL	--	STEEL	--	--	28	--	--	CS; GATE TO MECH YARD; CARD READER	

DOOR AND HARDWARE NOTES

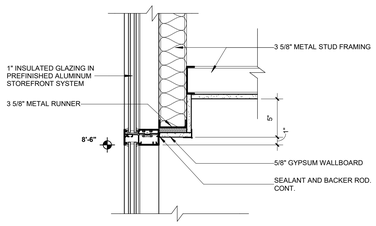
1. ALL MEANS OF EGRESS DOORS SHALL BE READILY OPENABLE FROM THE SIDE FROM WHICH EGRESS IS TO BE MADE WITHOUT THE USE OF SPECIAL TOOLS, A KEY, SPECIAL KNOWLEDGE OR EFFORT. DOUBLE KEYED DEAD BOLTS ARE PROHIBITED.
2. ALL HARDWARE SHALL BE IN COMPLIANCE WITH ADA GUIDELINES AND NATIONAL BUILDERS HARDWARE ASSOCIATION STANDARDS.
3. HARDWARE TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

DOOR & FRAME MAT'L LEGEND

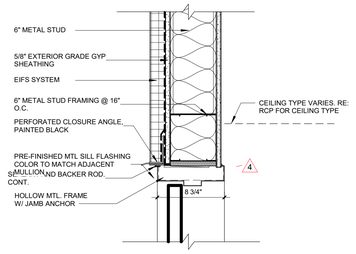
ALUM	ALUMINUM
HM	HOLLOW METAL
WD	SOLID CORE WOOD
FRP	FIBER REINFORCED PANEL
T	TEMPERED

GLAZING LEGEND

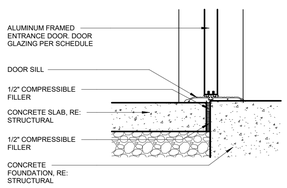
GL-1	TEMPERED GLASS
GL-2	LAMINATED GLASS
GL-3	FIRE PROTECTION RATED GLASS
GL-4	FIRE RESISTANT RATED GLASS
GL-5	BUTT-GLAZED GLASS PANELS
IGU-1	DOUBLE-GLAZED INSULATING GLASS UNIT
IGU-2	DOUBE-GLAZED INSULATING GLASS UNIT (TEMPERED)
IGU-3	DOUBE-GLAZED INSULATING GLASS UNIT (LAMINATED)
IGU-4	DOUBE-GLAZED INSULATING GLASS UNIT (SPANDREL)



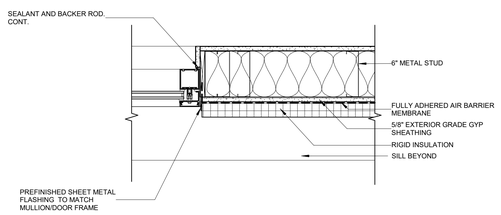
E3 TYP. BULKHEAD DETAIL AT STOREFRONT MULLION
1 1/2" = 1'-0"



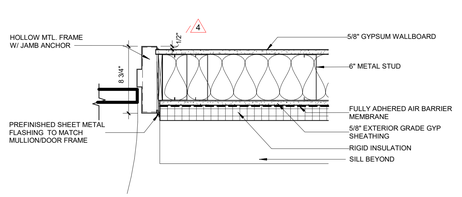
C3 TYP. HEAD DETAIL AT DOOR AND EIFS
1 1/2" = 1'-0"



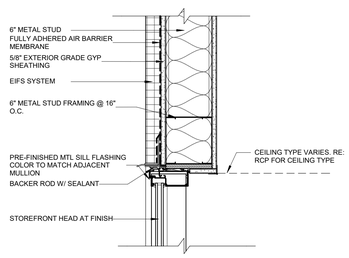
C5 TYP. EXTERIOR DOOR SILL
1 1/2" = 1'-0"



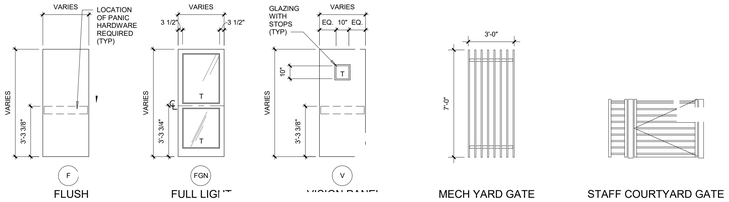
B5 PLAN DETAIL - TYP. STOREFRONT AT EIFS
1 1/2" = 1'-0"



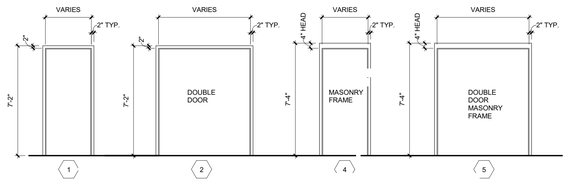
B4 TYP. DOOR JAMP AT EIFS
1 1/2" = 1'-0"



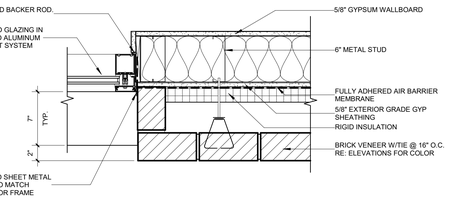
B3 TYP. HEAD DETAIL AT STOREFRONT AND EIFS
1 1/2" = 1'-0"



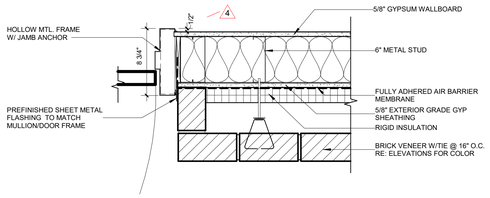
DOOR ELEVATIONS:



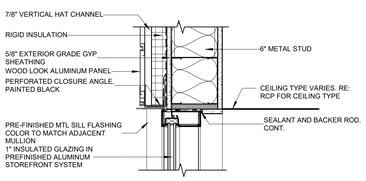
FRAME ELEVATIONS:



A5 PLAN DETAIL - TYP. STOREFRONT AT BRICK
1 1/2" = 1'-0"



A4 TYP. DOOR JAMP AT BRICK
1 1/2" = 1'-0"



A3 TYP. HEAD DETAIL AT STOREFRONT AND WOOD LOOK METAL PANEL
1 1/2" = 1'-0"

ACI BOLAND ARCHITECTS
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600

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

Samuel K. Beckman - Architect
License - Missouri #A-2011012130
2/8/2023

CIVIL CONSULTANT
BHC
7101 College Blvd. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
Branch Pattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	02/08/23
Job Number	3-22030
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description
3	3/9/23	Addendum #3
4	10/05/23	ASI 1
9	4/29/24	ASI 6

A4.1

© 2022 ACI/BOLAND, Inc

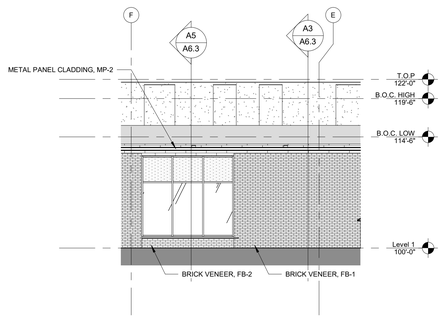
DOOR AND FRAME SCHEDULE AND DETAILS

BIM 360://3-22030 HCA LSMC ASC/3-22030 HCA LSMC_Arch_R21.rvt

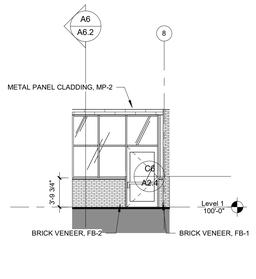
4/30/2024 10:52:33 AM

EXTERIOR FINISH LEGEND

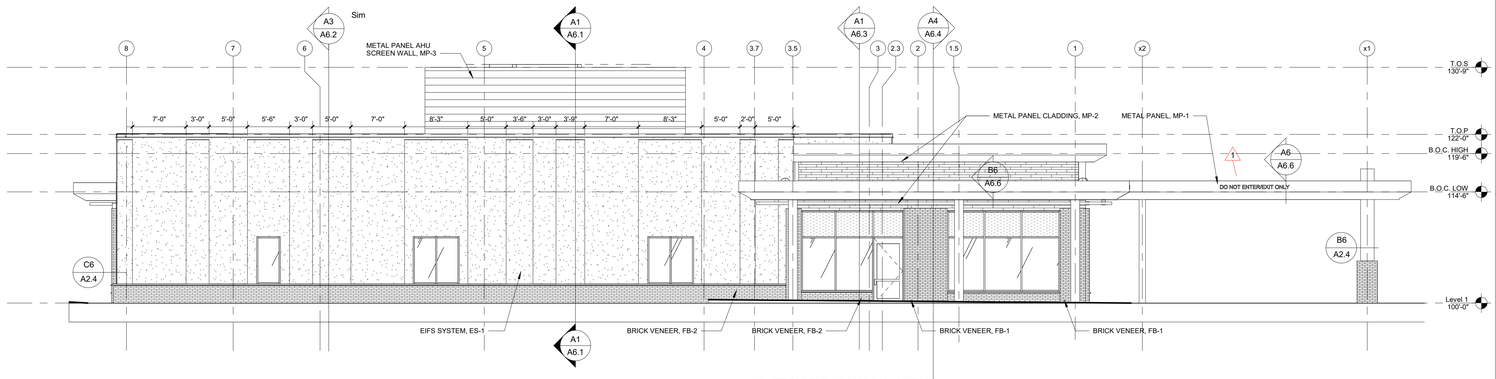
MARK	MATERIAL	MANUFACTURER	COLOR/PATTERN	DIMENSION
ES-1	EIFS SYSTEM	AS SPECIFIED	TBD	2" & 3"
FB-1	TAN BRICK	GLEN GERY	PEARL RIVER IRONSPOT	2 1/4" x 7 5/8" x 3 5/8"
FB-2	DARK BRICK	ENDICOTT	MANGANESE IRONSPOT, SMOOTH	2 1/4" x 7 5/8" x 3 5/8"
MP-1	METAL PANEL	FIRESTONE	CITYSCAPE	VARIES
MP-2	METAL PANEL	KNOTWOOD	WALNUT	VARIES
MP-3	METAL PANEL	BERRIDGE	HR-16, GRAY ZINC	VARIES



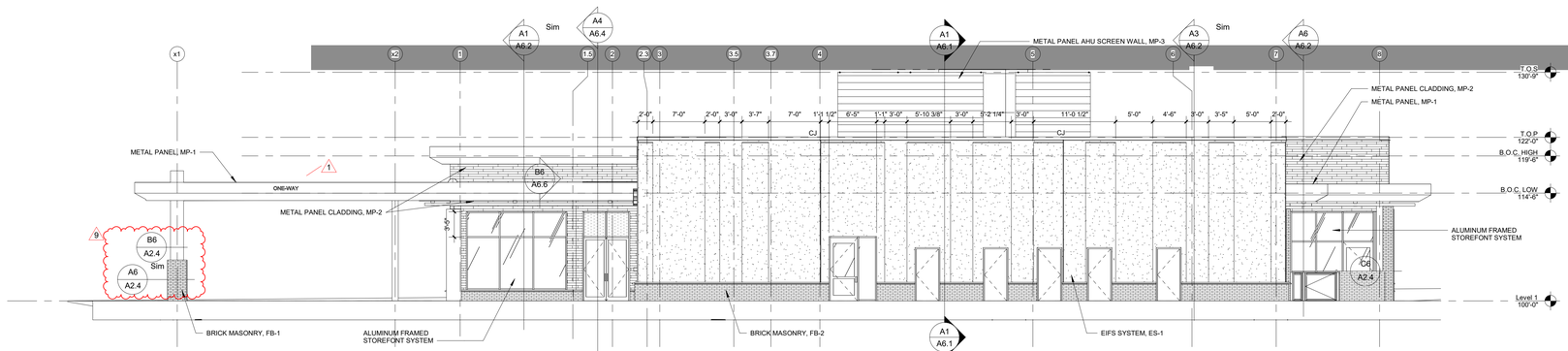
D5 STAFF COURTYARD SOUTH
1/8" = 1'-0"



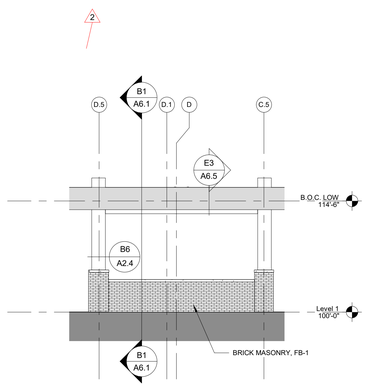
D4 STAFF COURTYARD - WEST
1/8" = 1'-0"



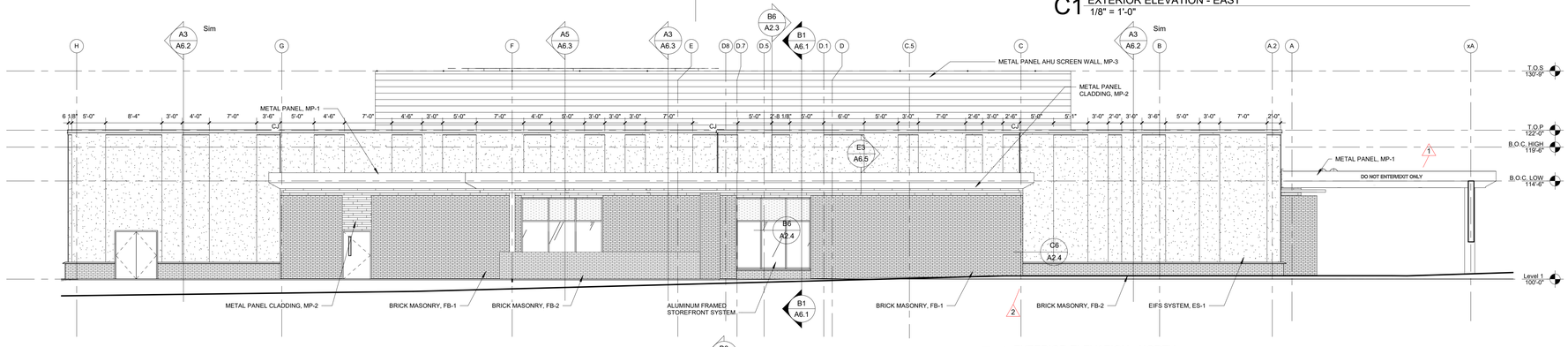
D1 EXTERIOR ELEVATION - WEST
1/8" = 1'-0"



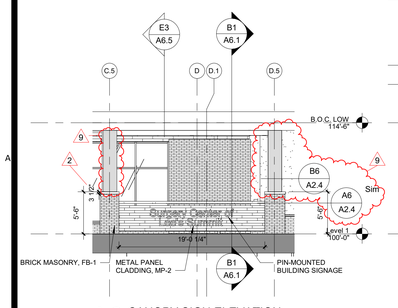
C1 EXTERIOR ELEVATION - EAST
1/8" = 1'-0"



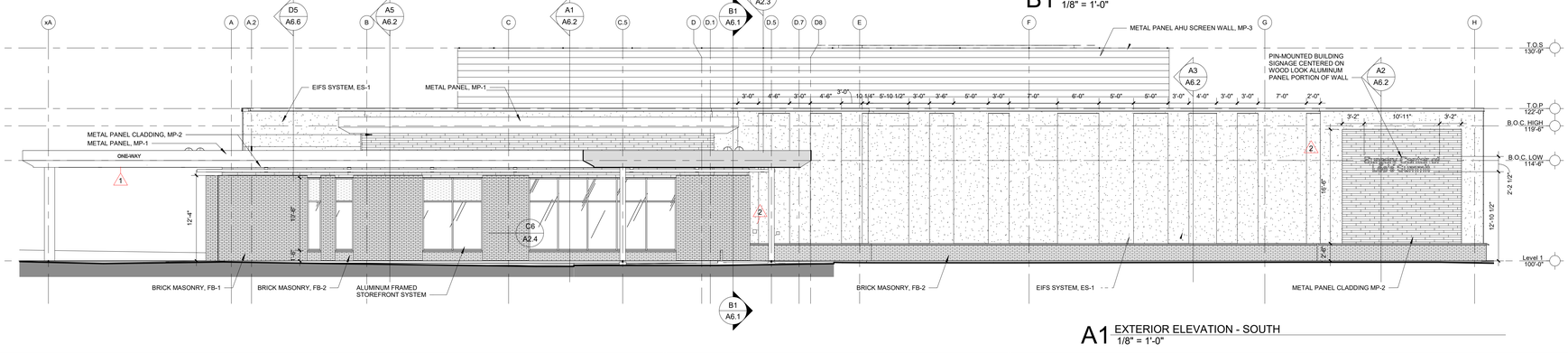
B6 CANOPY SIGN - NORTH
1/8" = 1'-0"



B1 EXTERIOR ELEVATION - NORTH
1/8" = 1'-0"



A6 CANOPY SIGN ELEVATION
1/8" = 1'-0"



A1 EXTERIOR ELEVATION - SOUTH
1/8" = 1'-0"

STATE OF MISSOURI
SAMUEL K. BECKMAN
NUMBER A-2011012130
ARCHITECT
2/8/2023
Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600

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

CIVIL CONSULTANT
BHC
7101 College Blvd. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
Branch Pattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	02/08/23
Job Number	3-22030
Drawn By	Author
Checked By	Checker

Revision

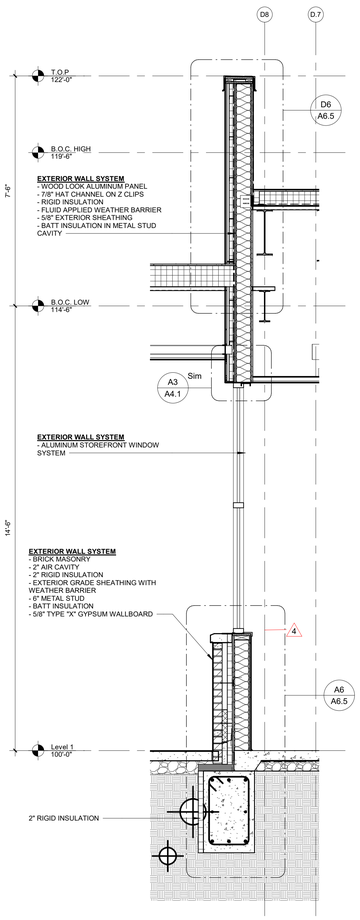
Number	Date	Description
1	2/14/23	Addendum #1
2	2/20/23	Addendum #2
4	10/05/23	ASI 1
9	4/29/24	ASI 6

A5.1

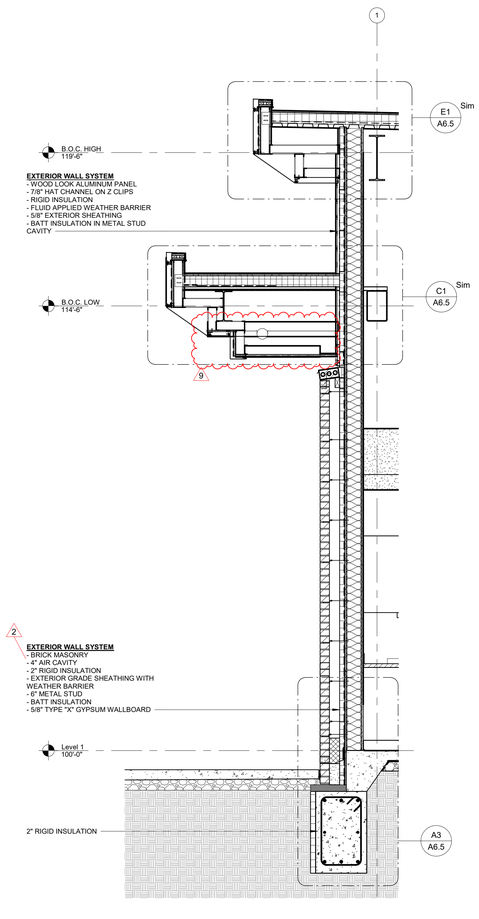
© 2022 ACI/BOLAND, Inc

EXTERIOR ELEVATIONS

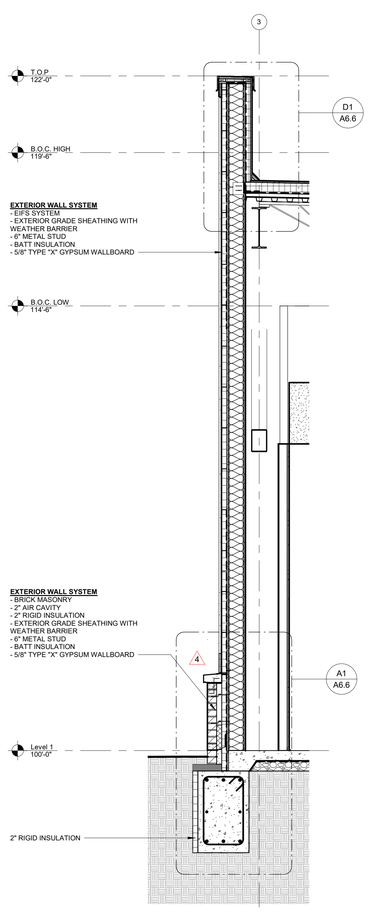
BIM 360://3-22030 HCA LSMC ASC/3-22030 HCA LSMC_Arch_R21.rvt



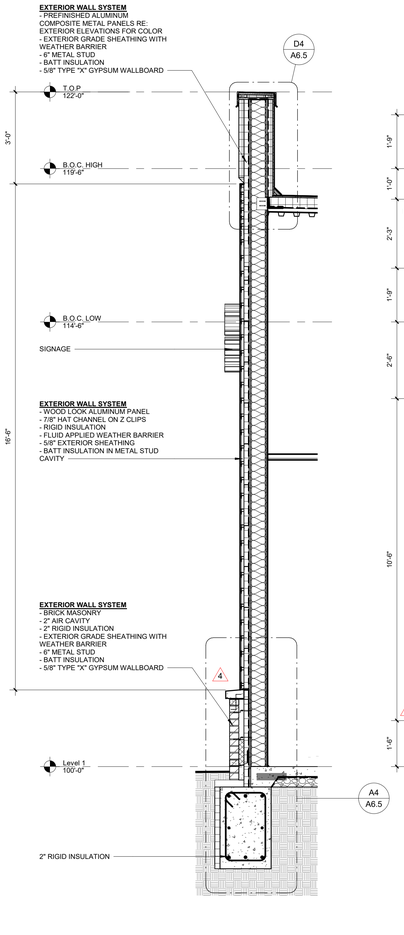
A6 WALL SECTION 1/2" = 1'-0"



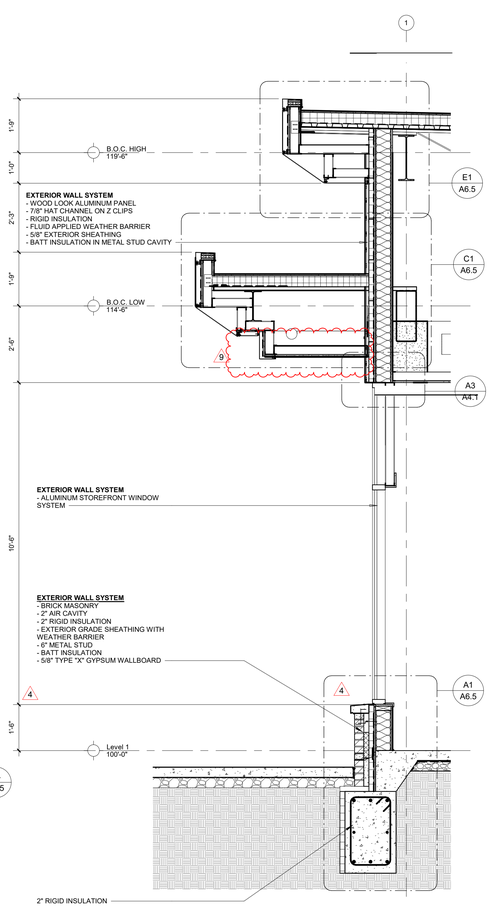
A5 WALL SECTION 1/2" = 1'-0"



A3 WALL SECTION 1/2" = 1'-0"



A2 WALL SECTION 1/2" = 1'-0"



A1 WS_S_STOREFRONT 1/2" = 1'-0"

STATE OF MISSOURI
SAMUEL K. BECKMAN
NUMBER A-2011012130
ARCHITECT
2/8/2023

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

ACI BOLAND ARCHITECTS
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600

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

CIVIL CONSULTANT
BHC
7101 College Blvd. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
Branch Pattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	02/08/23
Job Number	3-22030
Drawn By	Author
Checked By	Checker

Revision

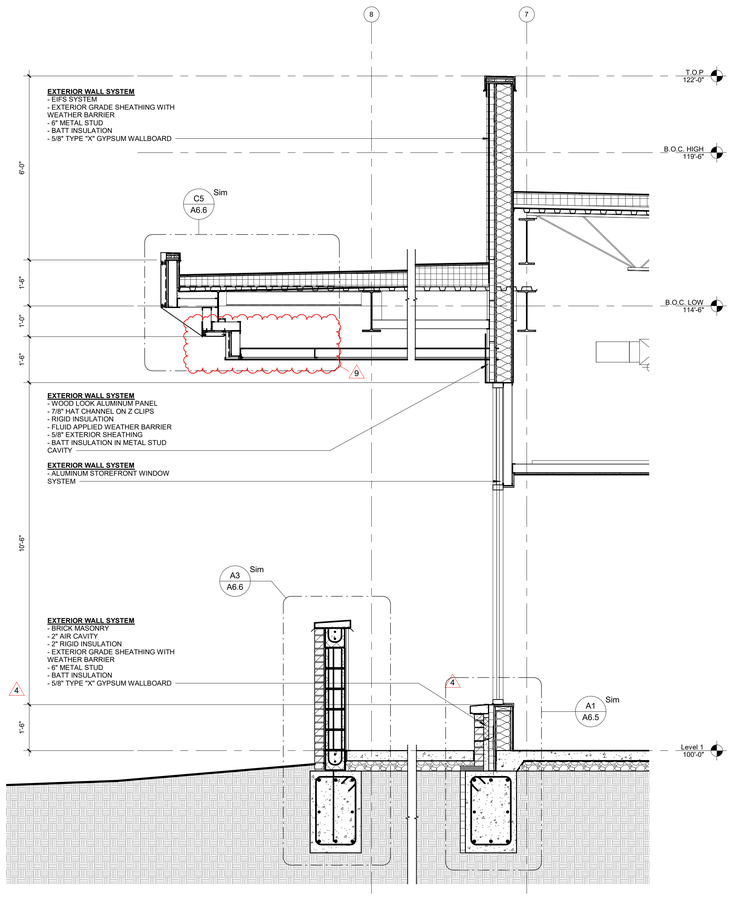
Number	Date	Description
2	2/20/23	Addendum #2
4	10/05/23	ASI 1
9	4/29/24	ASI 6

A6.2

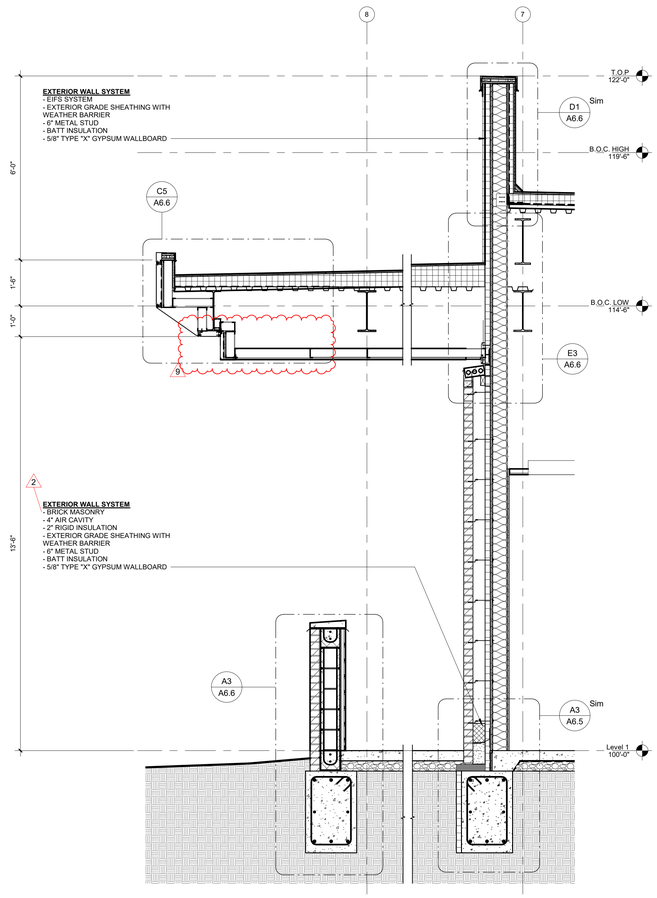
© 2022 ACI/BOLAND, Inc

WALL SECTIONS

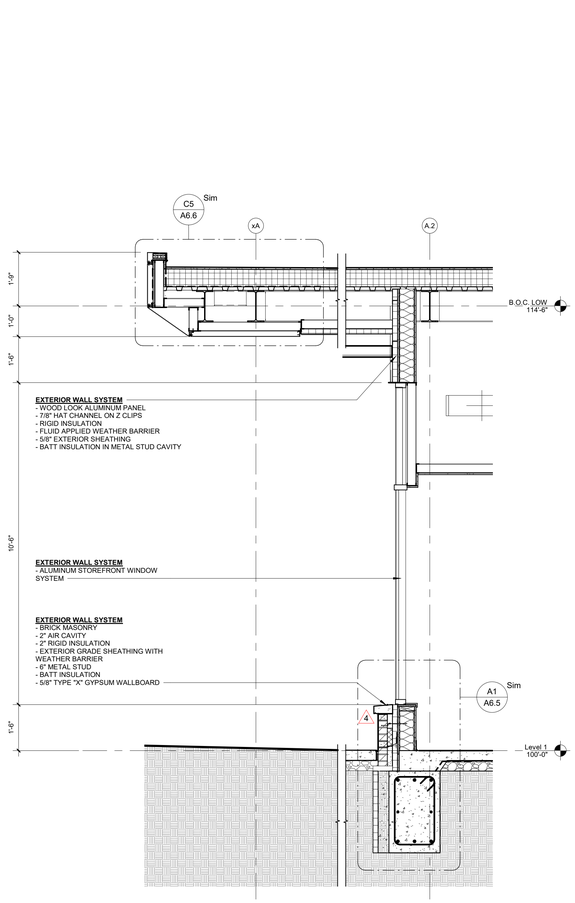
4/30/2024 10:52:42 AM



A5 WALL SECTION
1/2" = 1'-0"



A3 WALL SECTION
1/2" = 1'-0"



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

STATE OF MISSOURI
SAMUEL K. BECKMAN
NUMBER A-2011012130
ARCHITECT
2/8/2023
Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600

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

CIVIL CONSULTANT
BHC
7101 College Blvd. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
Branch Pattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	02/08/23
Job Number	3-22030
Drawn By	Author
Checked By	Checker

Revision

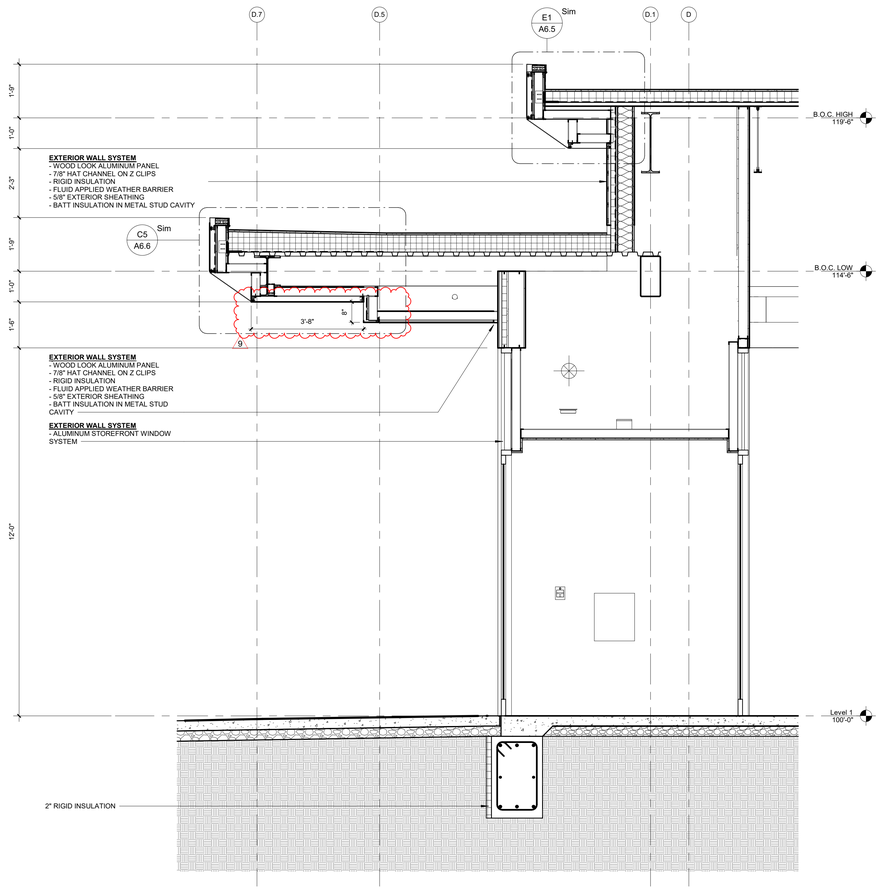
Number	Date	Description
2	2/20/23	Addendum #2
4	10/05/23	ASI 1
9	4/29/24	ASI 6

A6.3

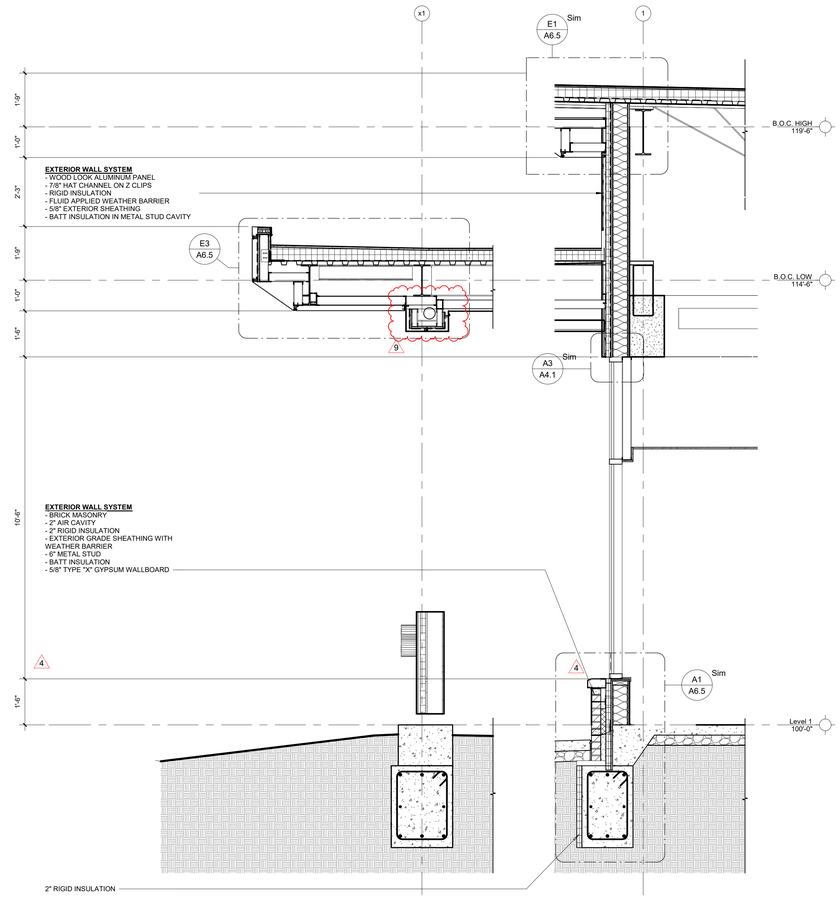
© 2022 ACI/BOLAND, Inc

WALL SECTIONS

BIM 360://3-22030 HCA LSMC ASC/3-22030 HCA LSMC_Arch_R21.rvt



A4 WALL SECTION AT EAST ENTRANCE
1/2" = 1'-0"



A1 WALL SECTION AT FRONT CANOPY
1/2" = 1'-0"

STATE OF MISSOURI
SAMUEL K. BECKMAN
NUMBER A-2011012130
ARCHITECT
2/8/2023

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

ACI BOLAND ARCHITECTS
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600

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

CIVIL CONSULTANT
BHC
7101 College Blvd. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
Branch Pattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	02/08/23
Job Number	3-22030
Drawn By	Author
Checked By	Checker

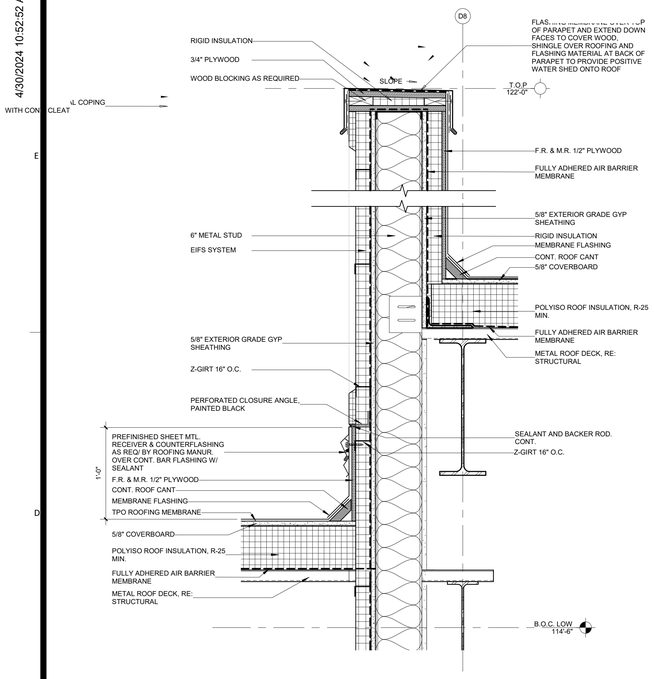
Revision

Number	Date	Description
4	10/05/23	ASI 1
9	4/29/24	ASI 6

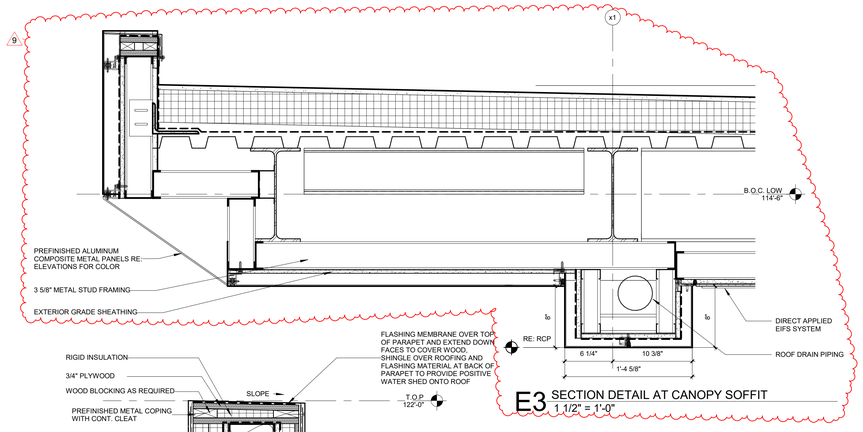
A6.4

© 2022 ACI/BOLAND, Inc

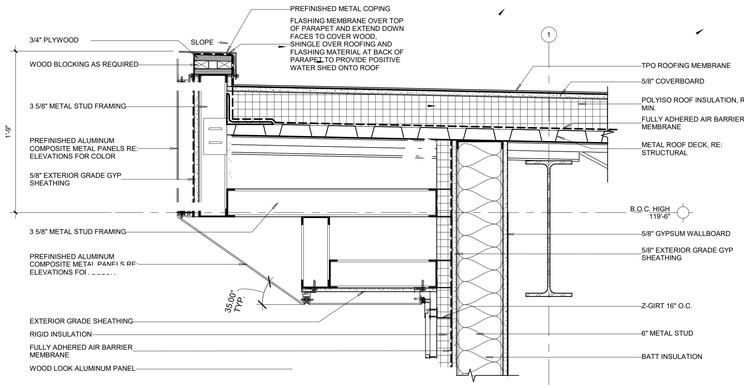
WALL SECTIONS



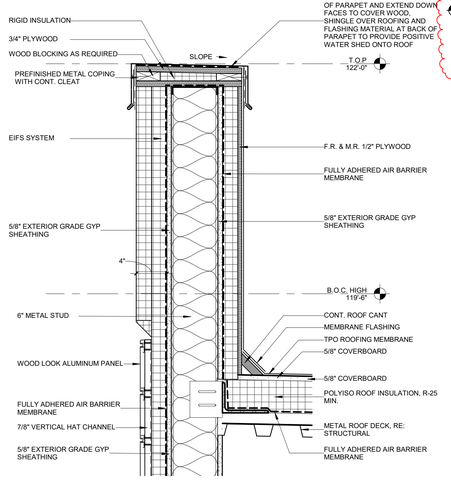
D6 WALL SECTION AT PARAPET AT WOOD LOOK ALUMINUM PANELS
1 1/2" = 1'-0"



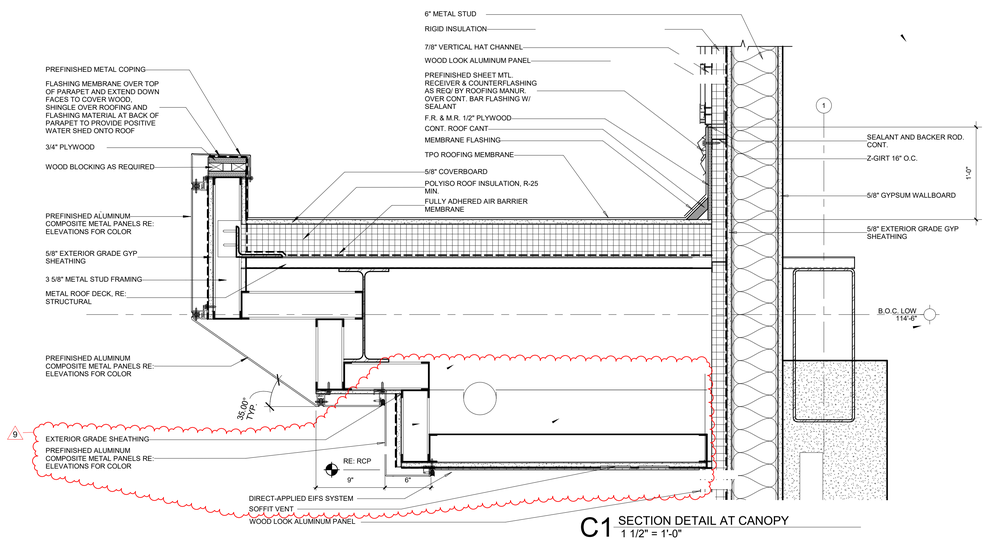
E3 SECTION DETAIL AT CANOPY SOFFIT
1 1/2" = 1'-0"



E1 SECTION DETAIL AT UPPER ROOF
1 1/2" = 1'-0"



D4 WALL SECTION AT PARAPET WITH EXTENDED EIFS
1 1/2" = 1'-0"



C1 SECTION DETAIL AT CANOPY
1 1/2" = 1'-0"

A6 SECTION DETAIL AT BASE STOREFRONT AND BRICK
1 1/2" = 1'-0"

A4 SECTION DETAIL AT BASE BRICK AND WOOD-LOOK EXTERIOR PANEL
1 1/2" = 1'-0"

A3 SECTION DETAIL AT BASE BRICK BUMP OUT
1 1/2" = 1'-0"

A1 SECTION DETAIL AT BASE STOREFRONT AND BRICK
1 1/2" = 1'-0"

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT
2/8/2023
Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600

ACI/Boland, Inc.
Kansas City | St. Louis
Licensed's Certificate of Authority Number:

CIVIL CONSULTANT
BHC
7101 College Blvd. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
Branch Pattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	02/08/23
Job Number	3-22030
Drawn By	Author
Checked By	Checker

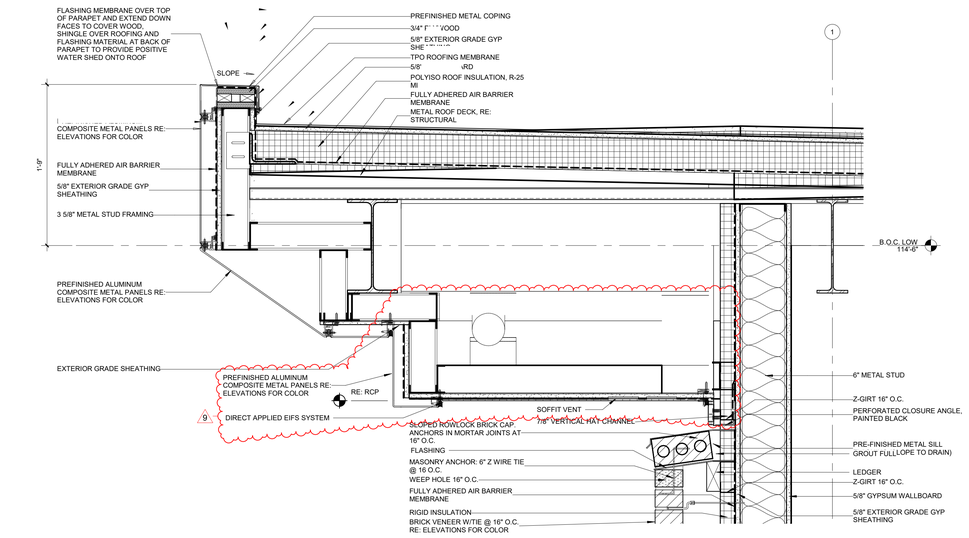
Revision

Number	Date	Description
2	2/20/23	Addendum #2
4	10/05/23	ASI 1
9	4/29/24	ASI 6

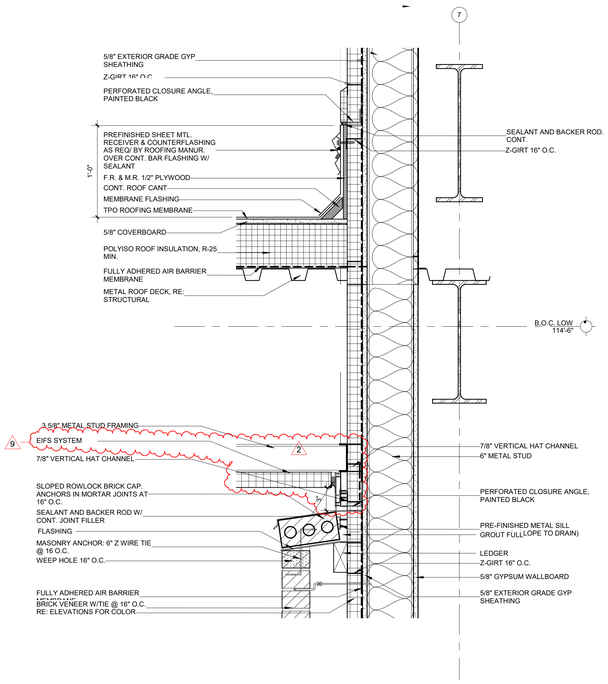
A6.5

© 2022 ACI/BOLAND, Inc

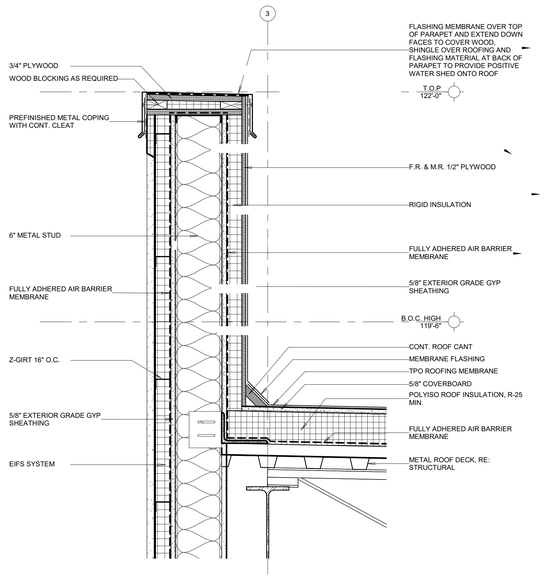
SECTION DETAILS



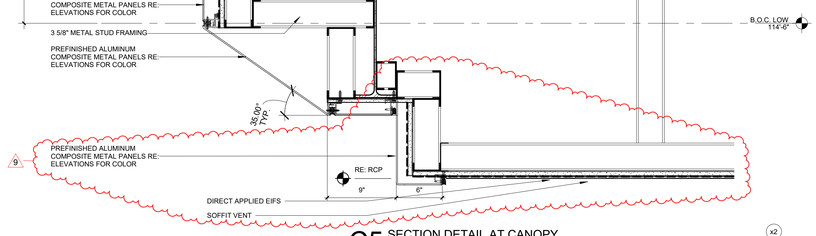
D5 SECTION DETAIL AT CANOPY AND TOP OF BRICK WALL
1 1/2" = 1'-0"



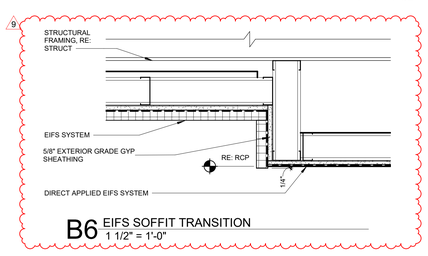
E3 WALL SECTION AT TOP OF BRICK WALL
1 1/2" = 1'-0"



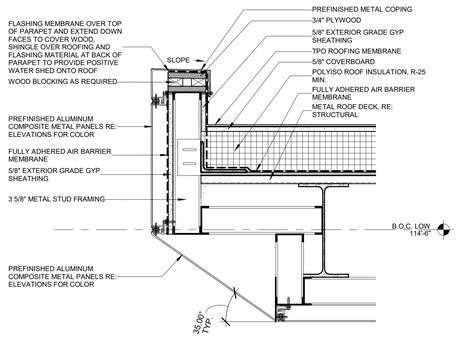
D1 WALL SECTION AT PARAPET WITH EIFS
1 1/2" = 1'-0"



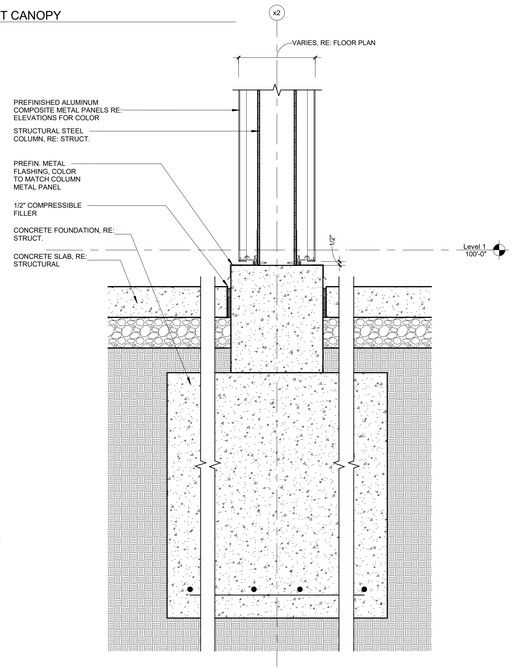
C5 SECTION DETAIL AT CANOPY
1 1/2" = 1'-0"



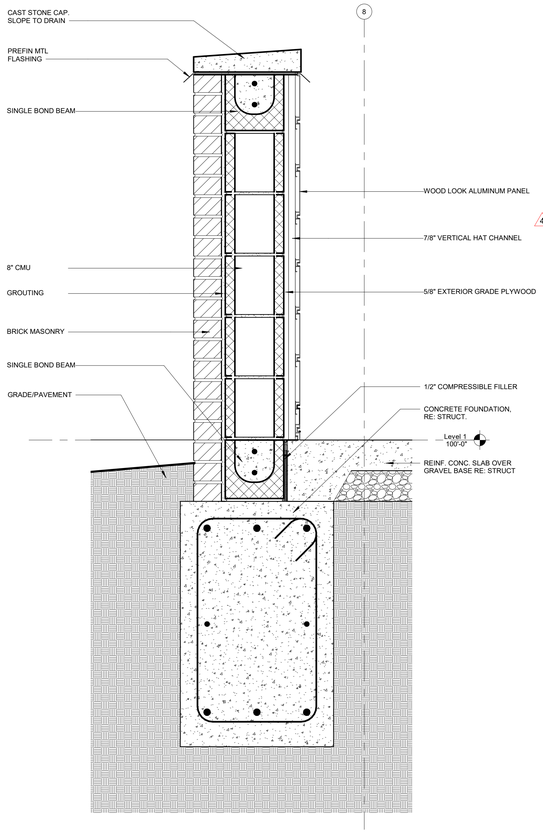
B6 EIFS SOFFIT TRANSITION
1 1/2" = 1'-0"



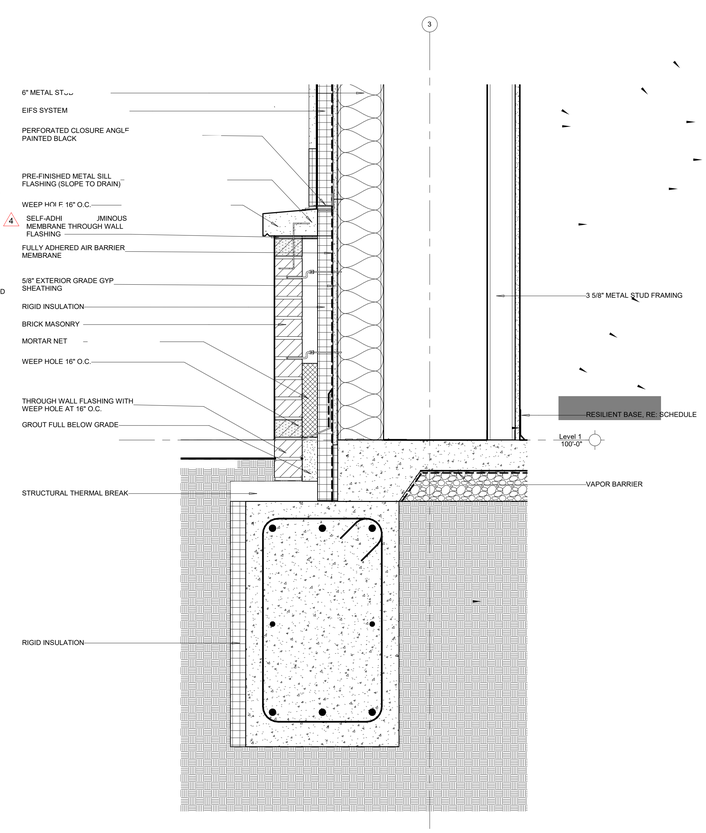
A6 SECTION DETAIL AT EDGE OF ENTRANCE CANOPY
1 1/2" = 1'-0"



A5 TYP. BASE DETAIL AT METAL WRAPPED COLUMN
1 1/2" = 1'-0"



A3 DETAIL AT STAFF COURTYARD
1 1/2" = 1'-0"



A1 SECTION DETAIL AT SOUTH WALL
1 1/2" = 1'-0"

STATE OF MISSOURI
SAMUEL K. BECKMAN
NUMBER A-2011012130
ARCHITECT
2/8/2023
Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600

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

CIVIL CONSULTANT
BHC
7101 College Blvd. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
Branch Pattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	02/08/23
Job Number	3-22030
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description
2	2/20/23	Addendum #2
4	10/05/23	ASI 1
9	4/29/24	ASI 6

A6.6

© 2022 ACI/BOLAND, Inc

SECTION DETAILS

4/30/2024 10:52:59 AM
BIM 360://3-22030 HCA LSMC ASC/3-22030 HCA LSMC_Arch_R21.rvt

4/30/2024 10:53:08 AM

GENERAL PLAN NOTES

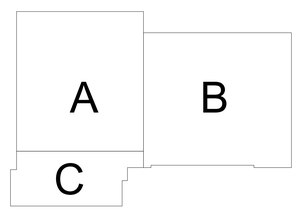
1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH A.D.A. REQUIREMENTS AND ALL APPLICABLE LOCAL, STATE, AND FEDERAL BUILDING CODES AND REGULATIONS.
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY BUILDING PERMITS.
3. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL FIELD VERIFY EXISTING CONDITIONS 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. IF MATERIAL SUSPECTED OF CONTAINING HAZARDOUS MATERIALS ARE ENCOUNTERED, DO NOT DISTURB. IMMEDIATELY NOTIFY ARCHITECT AND OWNER. OWNER SHALL COORDINATE WITH CONTRACTOR ON THE REMOVAL OF SUCH ITEMS. WORK MAY PROCEED AFTER HAZARDOUS MATERIAL HAS BEEN REMOVED.
5. 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.
6. CONTRACTOR SHALL FURNISH AND INSTALL CONCEALED FIRE-TREATED WOOD BLOCKING BEHIND ALL CABINETS, TOILET ACCESSORIES, PLUMBING FIXTURES, AND OTHER WALL MOUNTED ITEMS AS REQUIRED FOR ADEQUATE SUPPORT.
7. CONTRACTOR TO PROVIDE ALL REQUIRED LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO MEET AND COMPLETE THE REQUIREMENTS OF THE NEW CONSTRUCTION.
8. ALL EXISTING CONSTRUCTION TO REMAIN SHALL BE PATCHED, REPAIRED, AND PREP AS REQUIRED FOR NEW FINISH APPLICATION.
9. DO NOT CLOSE OR OBSTRUCT WALKWAYS, EXITS, OR OTHER FACILITIES USED BY OCCUPANTS OF BUILDINGS WITHOUT WRITTEN PERMISSION FROM AUTHORITIES HAVING JURISDICTION
10. CONDUCT ALL OPERATIONS IN A SAFE WORKING MANNER TO PREVENT DAMAGE OR INJURY TO ADJACENT SPACES, BUILDING, STRUCTURE, OTHER FACILITIES, AND PERSONS.
11. REFER TO GENERAL NOTES, LEGENDS & SYMBOLS SHEET FOR ADDITIONAL GENERAL NOTES AS APPLICABLE.
12. SEE FINISH SCHEDULE FOR FINISH LOCATION AND SPECIFICATIONS.
13. SEE DOOR SCHEDULE FOR DOOR SPECIFICATIONS.
14. UNLESS NOTED OTHERWISE, ALL INTERIOR DRYWALL PARTITIONS INDICATED ON THE FLOOR PLAN DRAWING ARE TYPE 'A' PARTITION

KEYNOTES - FLOOR PLAN TI

Key Value	Keynote Text
F-1	BUILT IN MILLWORK FIN-TUBE ENCLOSURE.
F-5	CONSULT BAY GLASS
F-7	BUILT-IN MEDIA CENTER SURROUND COLUMN WRAP

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

NORTH



STATE OF MISSOURI
SAMUEL K. BECKMAN
NUMBER A-2011012130
ARCHITECT
2/8/2023

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

ACI BOLAND ARCHITECTS
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600

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

CIVIL CONSULTANT
BHC
7101 College Blvd. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
Branch Pattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	02/08/23
Job Number	3-22030
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description
2	2/20/23	Addendum #2
3	3/9/23	Addendum #3
4	10/05/23	ASI 1
5	11/8/23	ASI 2
7	2/7/24	ASI 4
9	4/29/24	ASI 6

TI-A2.1

© 2022 ACI/BOLAND, Inc

TI - FIRST FLOOR PLAN

BIM 360://3-22030 HCA LSMC ASC/3-22030 HCA LSMC_Arch_R21.rvt

4/30/2024 10:53:18 AM

KEYNOTES - FLOOR PLAN TI

Key Value	Keynote Text
F-1	BUILT IN MILLWORK F/N-TUBE ENCLOSURE.
F-5	CONSULT BAY GLASS
F-7	BUILT-IN MEDIA CENTER SURROUND COLUMN WRAP

SCOPE REPROCESSING 155
GI PROCEDURE 156
GI PROCEDURE 152
SCOPE STORAGE 154
SCOPE DECON. 153
STAFF LOUNGE 166
DICTATION 151
HALL 150
STORAGE 157
PR 1 132
PR 2 134
PR 3 136
PR 5 138
PR 6 142
PR 7 144
PR 8 146
TLT 148
HALL 140
PR 4 133
TLT 139
TLT 114
NURSE STATION 118
PR 1 116
PR 2 115
PR 3 117
ALCOVE 119
HALL 120
PR 4 - 23 HR 121
TLT 123
PR 5 - 23 HR 125
PR 6 127
OFFICE 4 129
CLEAN 135
NOURISH. 131
MEDS. 122
PR 7 124
PR 8 126
PR 9 128
HALL 130
STORAGE 137
SOILED 164
HALL 160
COMMS 108
EXAM 109
CONSULT 111
WAITING 100
REFRESHMENT 100B
VESTIBULE 107
HALL 180
AREA C
A1 / TI-A2.4
AREA B
A1 / TI-A2.3

A1 FIRST FLOOR ENLARGED PLAN - AREA A
1/4" = 1'-0"

NORTH

STATE OF MISSOURI
SAMUEL K. BECKMAN
NUMBER A-2011012130
ARCHITECT
2/8/2023
Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600

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

CIVIL CONSULTANT
BHC
7101 College Blvd. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
Branch Pattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	02/08/23
Job Number	3-22030
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description
3	3/9/23	Addendum #3
4	10/05/23	ASI 1
5	11/8/23	ASI 2
6	12/7/23	ASI 3
7	2/7/24	ASI 4
9	4/29/24	ASI 6

TI-A2.2

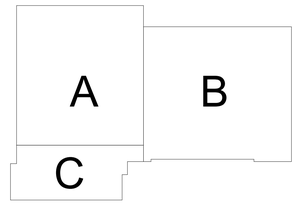
© 2022 ACI/BOLAND, Inc

ENLARGED ANNOTATION PLAN - AREA A

4/30/2024 10:53:25 AM

A1 FIRST FLOOR ENLARGED PLAN - AREA B
1/4" = 1'-0"

NORTH



BIM 360://3-22030 HCA LSMC ASC/3-22030 HCA LSMC_Arch_R21.rvt

STATE OF MISSOURI
SAMUEL K. BECKMAN
NUMBER A-2011012130
ARCHITECT
2/8/2023

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

ACI BOLAND ARCHITECTS
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600

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

CIVIL CONSULTANT
BHC
7101 College Blvd. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
Branch Pattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	02/08/23
Job Number	3-22030
Drawn By	Author
Checked By	Checker

Revision

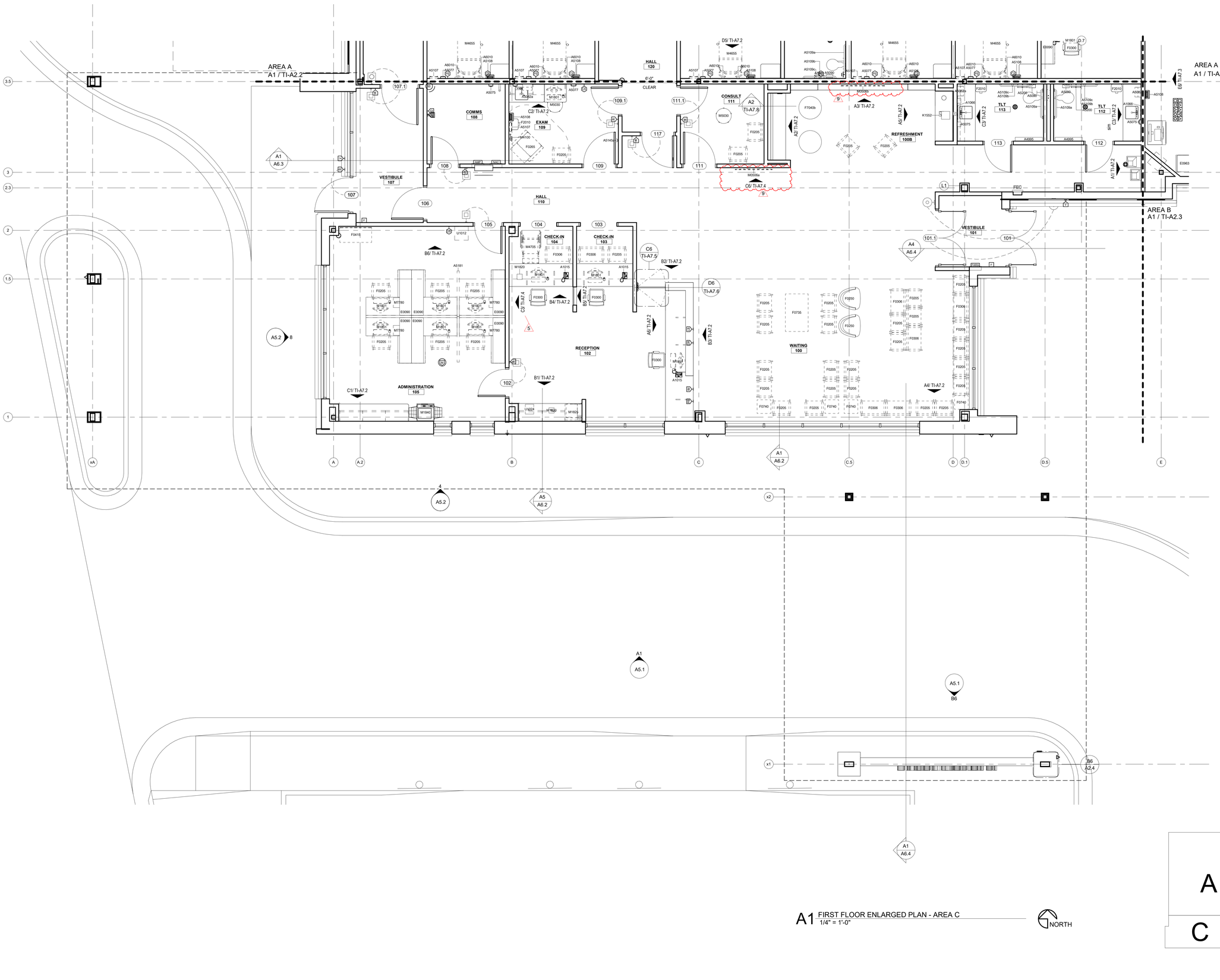
Number	Date	Description
2	2/20/23	Addendum #2
4	10/05/23	ASI 1
5	11/8/23	ASI 2
7	2/7/24	ASI 4
9	4/29/24	ASI 6

TI-A2.3

© 2022 ACI/BOLAND, Inc

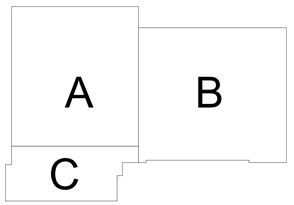
ENLARGED ANNOTATION PLAN - AREA B

4/30/2024 10:53:30 AM



A1 FIRST FLOOR ENLARGED PLAN - AREA C
1/4" = 1'-0"

NORTH



BIM 360://3-22030 HCA LSMC ASC/3-22030 HCA LSMC_Arch_R21.rvt

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

2/8/2023

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

ACI BOLAND ARCHITECTS
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600

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

CIVIL CONSULTANT
BHC
7101 College Blvd. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
Branch Pattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	02/08/23
Job Number	3-22030
Drawn By	Author
Checked By	Checker

Revision

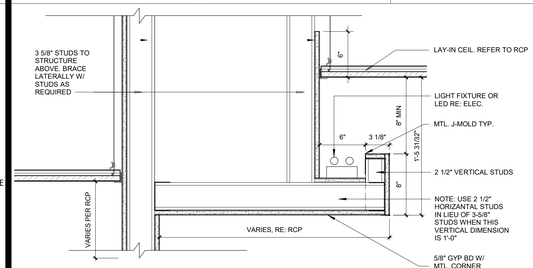
Number	Date	Description
5	11/8/23	ASI 2
9	4/29/24	ASI 6

TI-A2.4

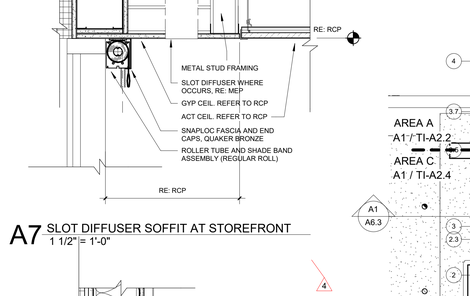
© 2022 ACI/BOLAND, Inc

ENLARGED ANNOTATION PLAN - AREA C

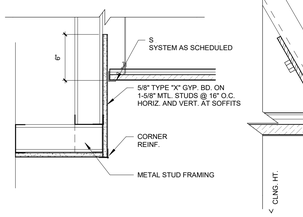
4/30/2024 10:53:40 AM



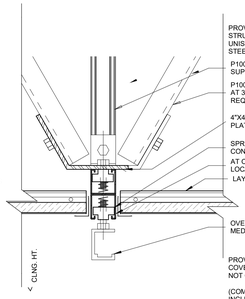
E6 LIGHT COVE DETAIL
1 1/2" = 1'-0"



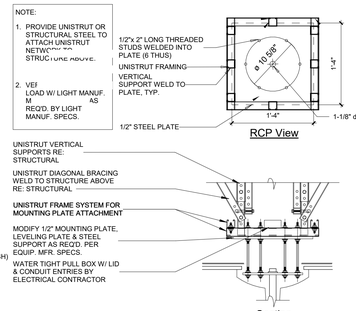
E5 GYPSUM BOARD SOFFIT
1 1/2" = 1'-0"



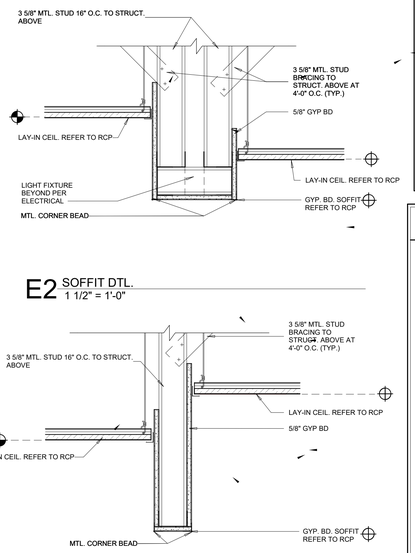
E4 CEILING DETAIL
3" = 1'-0"



E3 LIGHT SUPPORT
1" = 1'-0"



E2 SOFFIT DTL.
1 1/2" = 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-4) 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 AND FINISH SCHEDULE 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.

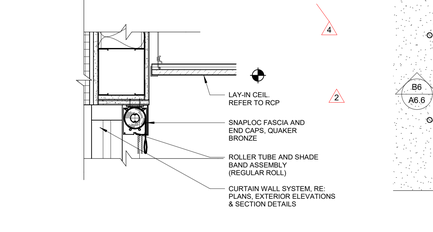
CEILING LEGEND

- RECESSED CAN LIGHT FIXTURE RE: ELECT
- 2X4 RECESSED/SURFACE LIGHT FIXTURE RE: ELECT
- 2X2 RECESSED/SURFACE LIGHT FIXTURE RE: ELECT
- SURFACE-MOUNTED LIGHT FIXTURE RE: ELECT
- PENDANT LIGHT FIXTURE RE: ELECT
- WALL SCONCE LIGHT FIXTURE RE: ELECT
- 2X4 RECESSED/SURFACE LIGHT FIXTURE W/ PARA-CUBE LENS RE: ELECT
- 2X4 RECESSED/SURFACE PSYCHIATRIC LIGHT FIXTURE RE: ELECT
- C2 — GYP BOARD CEILING - PAINTED W/ CONTROL JOINTS PER SPECS
- EIFS
- 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

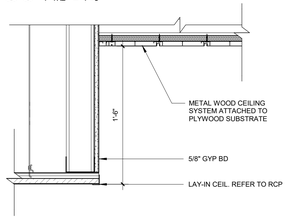
KEYNOTE LEGEND - RCP

Key Value	Keynote Text
C-1	EXPOSED TO STRUCTURE ABOVE.
C-2	DESIGNFLEX PATTERN ACT-3 CEILING. RE: SCHEDULE.
C-3	EIFS SOFFIT. ES-1.
C-4	METAL PANEL SOFFIT. MP-1.
C-5	EXTERIOR LIGHTING FIXTURE. RE: ELECTRICAL

D6 COVE LIGHTING DETAIL AT PREP RECOVERY BAYS
1 1/2" = 1'-0"



C6 LIGHT COVE DETAIL AT NURSE STATION
1 1/2" = 1'-0"



B6 WOOD CEILING DETAIL 2
1 1/2" = 1'-0"

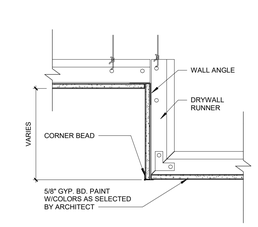
A7 SLOT DIFFUSER SOFFIT AT STOREFRONT
1 1/2" = 1'-0"

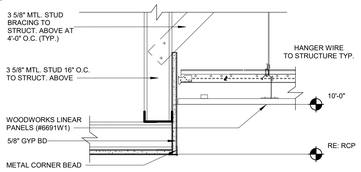
A6 DETAIL AT MANUAL WINDOW SHADE
1 1/2" = 1'-0"

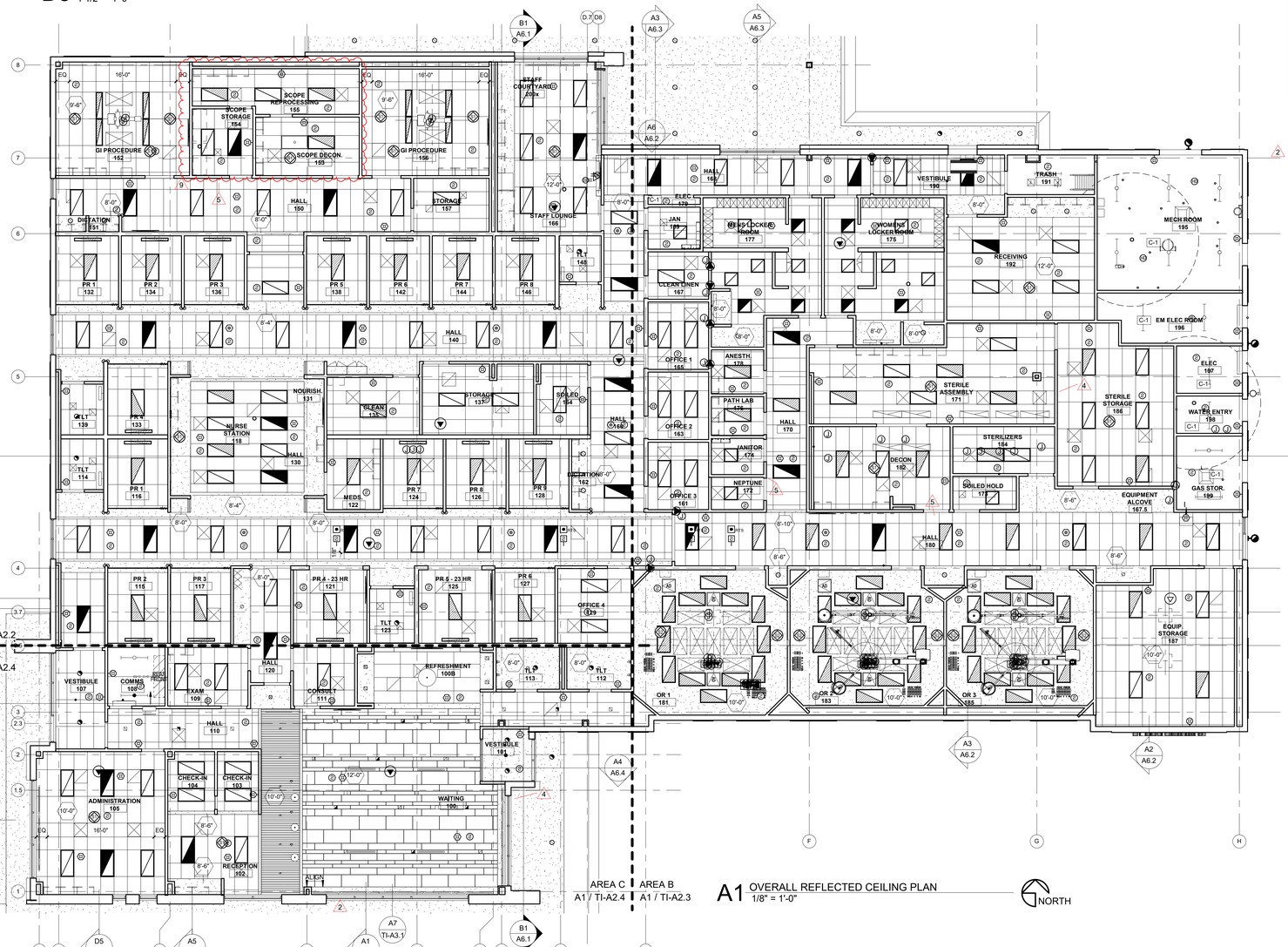
D5 WOOD CEILING DETAIL
1 1/2" = 1'-0"

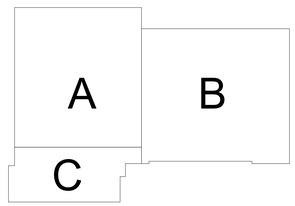
D3 GYPSUM BOARD CEILING DROP
1 1/2" = 1'-0"

D2 BULKHEAD DETAIL
1 1/2" = 1'-0"









STATE OF MISSOURI
SAMUEL K. BECKMAN
NUMBER A-2011012130
ARCHITECT
2/8/2023
Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600

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

CIVIL CONSULTANT
BHC
7101 College Blvd. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
Branch Pattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	02/08/23
Job Number	3-22030
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description
2	2/20/23	Addendum #2
4	10/05/23	ASI 1
5	11/8/23	ASI 2
9	4/29/24	ASI 6

TI-A3.1

© 2022 ACI/BOLAND, Inc

FIRST FLOOR REFLECTED CEILING PLAN

BIM 360/3-22030 HCA LSMC ASC/3-22030 HCA LSMC_Arch_R21.rvt

CEILING LEGEND

- RECESSED CAN LIGHT FIXTURE RE: ELECT
- 2X4 RECESSED/SURFACE LIGHT FIXTURE RE: ELECT
- 2X2 RECESSED/SURFACE LIGHT FIXTURE RE: ELECT
- SURFACE-MOUNTED LIGHT FIXTURE RE: ELECT
- PENDANT LIGHT FIXTURE RE: ELECT
- WALL SCONCE LIGHT FIXTURE RE: ELECT
- 2X4 RECESSED/SURFACE LIGHT FIXTURE W/ PARA-CUBE LENS RE: ELECT
- 2X4 RECESSED/SURFACE PSYCHIATRIC LIGHT FIXTURE RE: ELECT
- GYP BOARD CEILING - PAINTED W/ CONTROL JOINTS PER SPECS
- EIFS
- 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

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-4) 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 AND FINISH SCHEDULE 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.

KEYNOTE LEGEND - RCP

Key Value	Keynote Text
C-1	EXPOSED TO STRUCTURE ABOVE.
C-2	DESIGNFLEX PATTERN ACT-3 CEILING. RE: SCHEDULE.
C-3	EIFS SOFFIT, ES-1.
C-4	METAL PANEL SOFFIT, MP-1.
C-5	EXTERIOR LIGHTING FIXTURE, RE: ELECTRICAL

A1 ENLARGED RCP - AREA A
1/4" = 1'-0"

NORTH

Samuel K. Beckman - Architect
License - Missouri #A-2011012130
2/8/2023

ACI BOLAND ARCHITECTS
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600

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

CIVIL CONSULTANT
BHC
7101 College Blvd. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
Branch Pattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	02/08/23
Job Number	3-22030
Drawn By	Author
Checked By	Checker

Revision

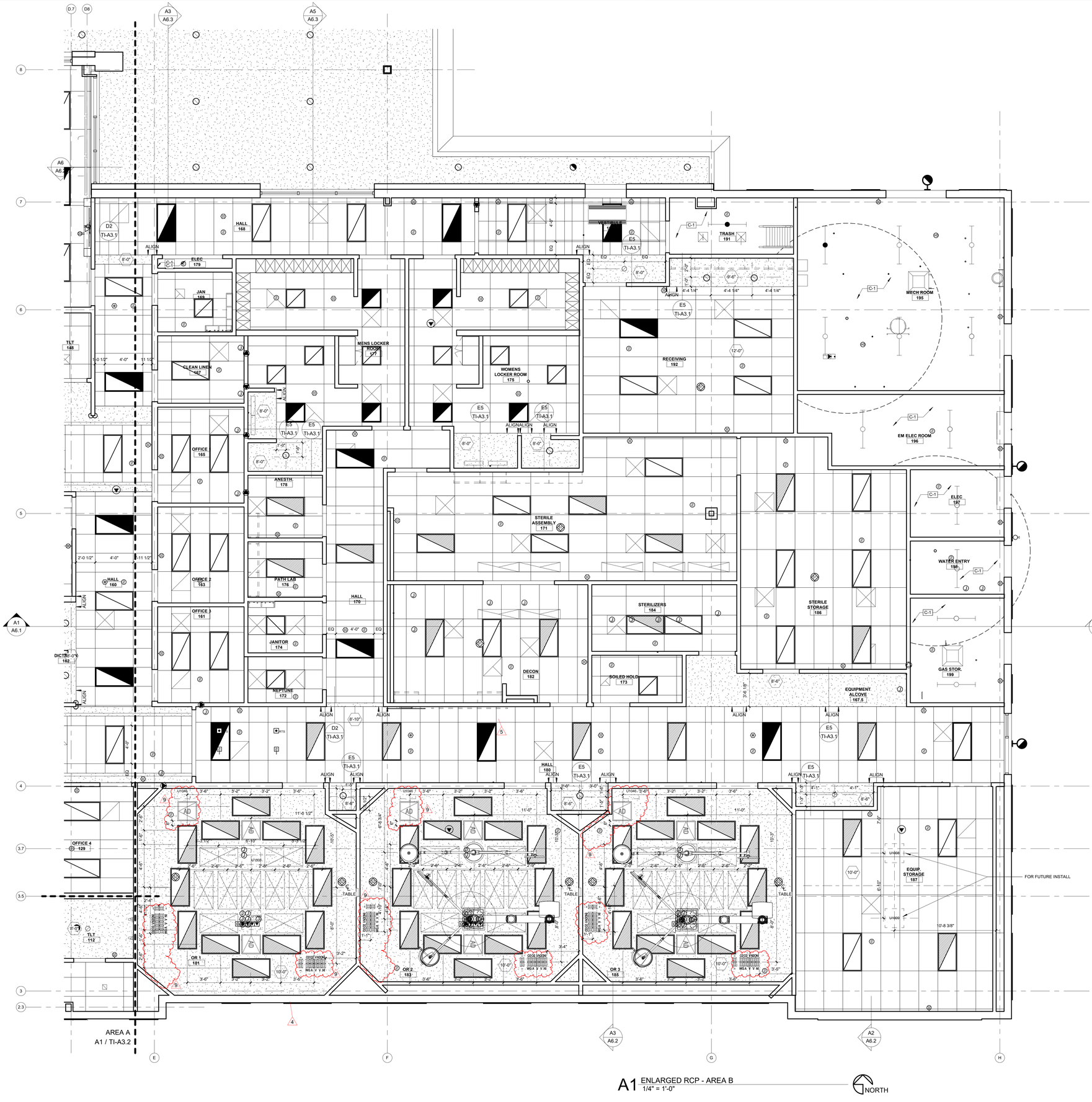
Number	Date	Description
2	2/20/23	Addendum #2
5	11/8/23	ASI 2
9	4/29/24	ASI 6

TI-A3.2

© 2022 ACI/BOLAND, Inc

ENLARGED RCP - AREA A

4/30/2024 10:53:49 AM



CEILING LEGEND

- RECESSED CAN LIGHT FIXTURE RE: ELECT
- 2X4 RECESSED/SURFACE LIGHT FIXTURE RE: ELECT
- 2X2 RECESSED/SURFACE LIGHT FIXTURE RE: ELECT
- SURFACE-MOUNTED LIGHT FIXTURE RE: ELECT
- PENDANT LIGHT FIXTURE RE: ELECT
- WALL SCONCE LIGHT FIXTURE RE: ELECT
- 2X4 RECESSED/SURFACE LIGHT FIXTURE W/ PARA-CUBE LENS RE: ELECT
- 2X4 RECESSED/SURFACE PSYCHIATRIC LIGHT FIXTURE RE: ELECT
- GYP BOARD CEILING - PAINTED W/ CONTROL JOINTS PER SPECS
- EIFS
- 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

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-4) 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 AND FINISH SCHEDULE 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.

KEYNOTE LEGEND - RCP

Key Value	Keynote Text
C-1	EXPOSED TO STRUCTURE ABOVE.
C-2	DESIGNFLEX PATTERN ACT-3 CEILING. RE: SCHEDULE.
C-3	EIFS SOFFIT, ES-1.
C-4	METAL PANEL SOFFIT, MP-1.
C-5	EXTERIOR LIGHTING FIXTURE, RE: ELECTRICAL

A1 ENLARGED RCP - AREA B
1/4" = 1'-0"

NORTH

STATE OF MISSOURI
SAMUEL K. BECKMAN
NUMBER A-2011012130
ARCHITECT
2/8/2023

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

ACI BOLAND ARCHITECTS
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600

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

CIVIL CONSULTANT
BHC
7101 College Blvd. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
Branch Pattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	02/08/23
Job Number	3-22030
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description
4	10/05/23	ASI 1
5	11/8/23	ASI 2
9	4/29/24	ASI 6

A B C

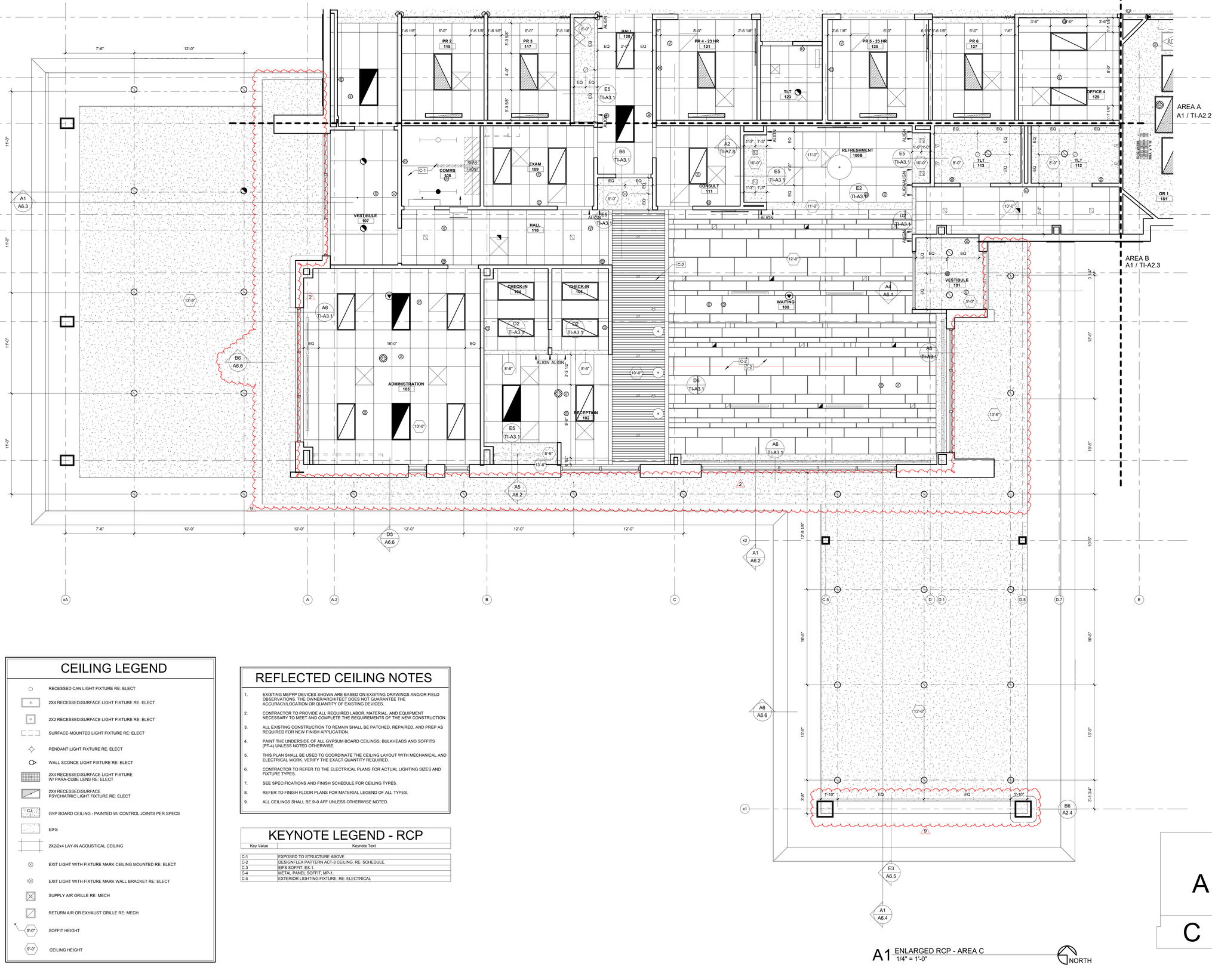
TI-A3.3

© 2022 ACI/BOLAND, Inc

ENLARGED RCP - AREA B

BIM 360://3-22030 HCA LSMC ASC/3-22030 HCA LSMC_Arch_R21.rvt

4/30/2024 10:53:53 AM



CEILING LEGEND

- RECESSED CAN LIGHT FIXTURE RE: ELECT
- 2X4 RECESSED/SURFACE LIGHT FIXTURE RE: ELECT
- 2X2 RECESSED/SURFACE LIGHT FIXTURE RE: ELECT
- SURFACE-MOUNTED LIGHT FIXTURE RE: ELECT
- PENDANT LIGHT FIXTURE RE: ELECT
- WALL SCONCE LIGHT FIXTURE RE: ELECT
- 2X4 RECESSED/SURFACE LIGHT FIXTURE W/ PARA-CUBE LENS RE: ELECT
- 2X4 RECESSED/SURFACE PSYCHIATRIC LIGHT FIXTURE RE: ELECT
- GYP BOARD CEILING - PAINTED W/ CONTROL JOINTS PER SPECS
- EIFS
- 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

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-4) 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 AND FINISH SCHEDULE 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.

KEYNOTE LEGEND - RCP

Key Value	Keynote Text
C-1	EXPOSED TO STRUCTURE ABOVE.
C-2	DESIGNFLEX PATTERN ACT-3 CEILING. RE: SCHEDULE.
C-3	EIFS SOFFIT, ES-1.
C-4	METAL PANEL SOFFIT, MP-1.
C-5	EXTERIOR LIGHTING FIXTURE, RE: ELECTRICAL

A1 ENLARGED RCP - AREA C
1/4" = 1'-0"

NORTH

A B C

BIM 360://3-22030 HCA LSMC ASC/3-22030 HCA LSMC_Arch_R21.rvt

STATE OF MISSOURI
SAMUEL K. BECKMAN
NUMBER A-2011012130
ARCHITECT
2/8/2023

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

ACI BOLAND ARCHITECTS
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600

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

CIVIL CONSULTANT
BHC
7101 College Blvd. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
Branch Pattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	02/08/23
Job Number	3-22030
Drawn By	Author
Checked By	Checker

Revision

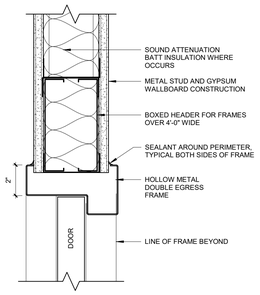
Number	Date	Description
2	2/20/23	Addendum #2
9	4/29/24	ASI 6

TI-A3.4

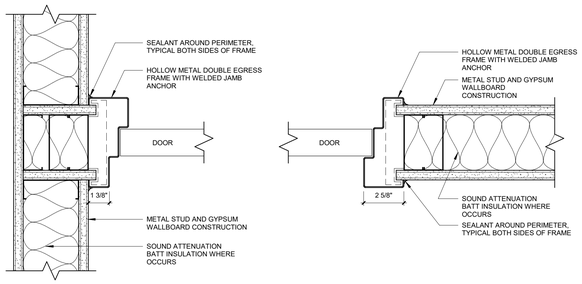
© 2022 ACI/BOLAND, Inc

ENLARGED RCP - AREA C

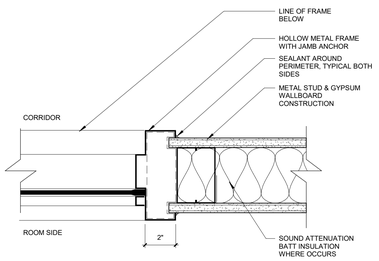
4/30/2024 10:53:56 AM



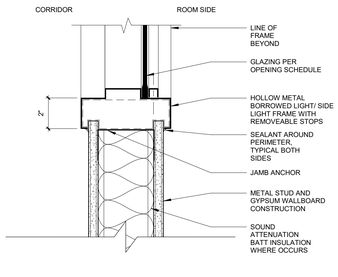
D6 HEAD - HM DOUBLE EGRESS FRAME
3" = 1'-0"



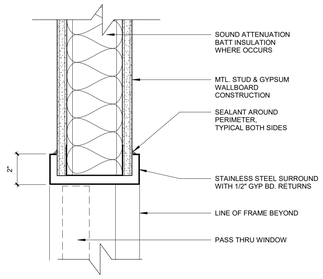
C6 JAMB - HM DOUBLE EGRESS FRAME
3" = 1'-0"



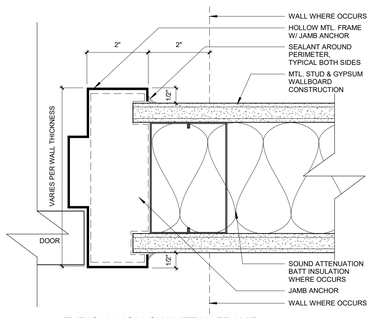
JAMB- HOLLOW MTL. SIDELIGHT/ BORROWED LIGHT FRAME
B6 3" = 1'-0"



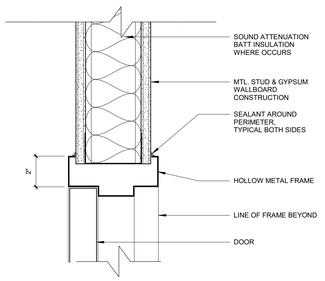
SILL- HOLLOW MTL. SIDELIGHT/ BORROWED LIGHT FRAME
B5 3" = 1'-0"



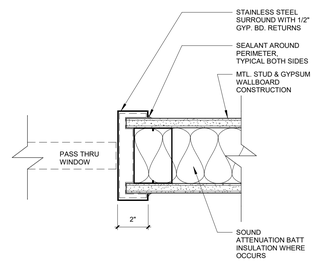
B4 PASS THRU SURROUND HEADER
3" = 1'-0"



A6 TYPICAL HOLLOW METAL FRAME
6" = 1'-0"



A5 TYPICAL HEAD- HOLLOW METAL DOOR FRAME
3" = 1'-0"



A4 PASS THRU SURROUND JAMB
3" = 1'-0"

DOOR SCHEDULE - TI

DOOR #	ROOM NAME	DOOR INFORMATION WIDTH	HEIGHT	NO. OF LEAVES	UNEQUAL LEAF WIDTH	FRAME INFORMATION ELEV.	MATL.	ELEV.	MATL.	GLAZING	LABEL (MIN)	HARDWARE SET	OPENING DETAIL HEAD	JAMB	REMARKS	REV #
102	RECEPTION	3'-0"	7'-0"	1		F	WD	1	HM	--	--	10	--	--	TI; CARD READER	
103	CHECK-IN	4'-0"	7'-0"			--		7	HM				--	--	TI	
104	CHECK-IN	4'-0"	7'-0"			--		7	HM				--	--	TI	
105	ADMINISTRATION	3'-0"	7'-0"	1		F	WD	1	HM	--	--	10	--	--	TI; CARD READER	
108	COMMS	3'-0"	7'-0"	1		F	WD	1	HM	--	--	10	--	--	TI; CARD READER	
109	EXAM	3'-6"	7'-0"	1		F	WD	1	HM	--	--	09			TI	
109.1	EXAM	3'-0"	7'-0"	1		F	WD	1	HM	--	--	10	--	--	TI; CARD READER	
111	CONSULT	3'-6"	7'-0"	1		F	WD	1	HM	--	--	01	--	--	TI	
111.1	CONSULT	3'-0"	7'-0"	1		F	WD	1	HM	--	--	10	--	--	TI; CARD READER	
112	TLT	3'-0"	7'-0"	1		F	WD	1	HM	--	--	05	--	--	TI	
113	TLT	3'-0"	7'-0"	1		F	WD	1	HM	--	--	05	--	--	TI	
114	TLT	3'-0"	7'-0"	1		F	WD	1	HM	--	--	04	--	--	TI	
117	HALL	3'-6"	7'-0"	1		N	WD	1	HM	GL-1	--	18			TI; CARD READER	
121	PR 4 - 23 HR	8'-0"	7'-8"	3		R	ALUM	--		GL-1	--	27	--	--	TI; INTEGRAL BLINDS	
122	MEDS.	3'-0"	7'-0"	1		V	WD	1	HM	GL-1	--	10	--	--	TI; CARD READER	
123	TLT	3'-0"	7'-0"	1		F	WD	1	HM	--	--	04	--	--	TI	
125	PR 5 - 23 HR	8'-0"	7'-8"	3		R	ALUM	--		GL-1	--	27	--	--	TI; INTEGRAL BLINDS	
129	OFFICE 4	3'-0"	7'-0"	1		N	WD	1	HM	--	--	01	--	--	TI	
135	CLEAN	3'-6"	7'-0"	1		F	WD	1	HM	--	45 min	02	--	--	TI	
137	STORAGE	3'-6"	7'-0"	1		F	WD	1	HM	--	45 min	07			TI	
139	TLT	3'-0"	7'-0"	1		F	WD	1	HM	--	--	04	--	--	TI	
140	HALL	3'-10"	7'-0"	2		N	WD	2	HM	GL-1	--	12			TI; AUTO OPERATOR	
148	TLT	3'-0"	7'-0"	1		F	WD	1	HM	--	--	04			TI	
152	GI PROCEDURE	4'-0"	7'-0"	1		F	WD	1	HM	--	--	24			TI; Delayed Retentions Hold Open; 4x4 Plate, SST Edge Protection	
153	SCOPE DECON.	3'-6"	7'-0"	1		F	WD	1	HM	--	45 min	02			TI	
154	HALL	3'-0"	7'-0"	1		F	WD	1	HM	--	45 min	02	--	--	TI	
154.1	SCOPE STORAGE	3'-0"	7'-0"	1		F	WD	1	HM	--	--	24	--	--	TI	9
155	SCOPE REPROCESSING	3'-0"	7'-0"	1		F	WD	1	HM	--	--	24	--	--	TI	9
156	GI PROCEDURE	4'-0"	7'-0"	1		F	WD	1	HM	--	--	24			TI; Delayed Retentions Hold Open; 4x4 Plate, SST Edge Protection	
157	STORAGE	3'-0"	7'-0"	1		F	WD	1	HM	--	--	07	--	--	TI	
161	OFFICE 3	3'-0"	7'-0"	1		N	WD	1	HM	--	--	01	--	--	TI	
161B	OFFICE 3	2'-0"	3'-0"					BL-1	HM	GL-4	45 min	01			TI; INTEGRAL BLINDS	9
163	OFFICE 2	3'-0"	7'-0"	1		N	WD	1	HM	--	--	01	--	--	TI	
164	SOILED	3'-0"	7'-0"	1		F	WD	1	HM	--	45 min	07	--	--	TI	
165	OFFICE 1	3'-0"	7'-0"	1		N	WD	1	HM	--	--	01	--	--	TI	
166.1	STAFF LOUNGE	3'-6"	7'-0"	1		F	WD	1	HM	--	--	02			TI	
167	CLEAN LINEN	3'-0"	7'-0"	1		F	WD	1	HM	--	45 min	02	--	--	TI	9
171.1	STERILE ASSEMBLY	3'-0"	7'-0"	1		F	WD	1	HM	--	45 min	02	--	--	TI	
171.2	STERILE ASSEMBLY	3'-6"	7'-0"	1		F	WD	1	HM	--	45 min	07	--	--	TI	
172	NEPTUNE	3'-0"	7'-0"	1		F	WD	1	HM	--	--	07	--	--	TI; No Closure On Door	
174	JANITOR	3'-0"	7'-0"	1		F	WD	1	HM	--	--	07	--	--	TI	
175.1	WOMENS LOCKER ROOM	3'-0"	7'-0"	1		F	WD	1	HM	--	20 min	06			TI	
175.2	WOMENS LOCKER ROOM	3'-0"	7'-0"	1		F	WD	1	HM	--	--	06			TI	
176	PATH LAB	3'-0"	7'-0"	1		F	WD	1	HM	--	--	01	--	--	TI	
177.1	MENS LOCKER ROOM	3'-0"	7'-0"	1		F	WD	1	HM	--	20 min	06			TI	
177.2	MENS LOCKER ROOM	3'-0"	7'-0"	1		F	WD	1	HM	--	--	06			TI	
178	ANESTH.	3'-0"	7'-0"	1		F	WD	1	HM	--	--	01	--	--	TI	
180	HALL	3'-4"	7'-0"	2		N	WD	2	HM	GL-4	20 min	11			TI; AUTO OPERATOR	
181	OR 1	4'-0"	7'-0"	1		N	WD	1	HM	GL-1	--	24	--	--	TI; Delayed Retentions Hold Open; 4x4 Plate, SST Edge Protection	
181B	OR 1	2'-0"	3'-0"					BL-1	HM	--	--				TI; INTEGRAL BLINDS	
182	DECON	3'-6"	7'-0"	1		N	WD	1	HM	--	45 min	02	--	--	TI	5
183	OR 2	4'-0"	7'-0"	1		N	WD	1	HM	GL-1	--	24	--	--	TI; Delayed Retentions Hold Open; 4x4 Plate, SST Edge Protection	
183.1	OR 2	2'-0"	3'-0"					BL-1	HM	--	--				TI; INTEGRAL BLINDS	
184	STERILIZERS	3'-6"	7'-0"	1		F	WD	1	HM	--	45 min	02	--	--	TI	
185	OR 3	4'-0"	7'-0"	1		N	WD	1	HM	GL-1	--	24	--	--	TI; Delayed Retentions Hold Open; 4x4 Plate, SST Edge Protection	
185.1	OR 3	2'-0"	3'-0"					BL-1	HM	--	--				TI; INTEGRAL BLINDS	
186	STERILE STORAGE	3'-6"	7'-0"	1		F	WD	1	HM	--	45 min	07	--	--	TI	
187	EQUIP. STORAGE	4'-0"	7'-0"	1		N	WD	1	HM	GL-5	45 min	08	--	--	TI; Delayed Retentions Hold Open; 4x4 Plate, SST Edge Protection	

DOOR AND HARDWARE NOTES

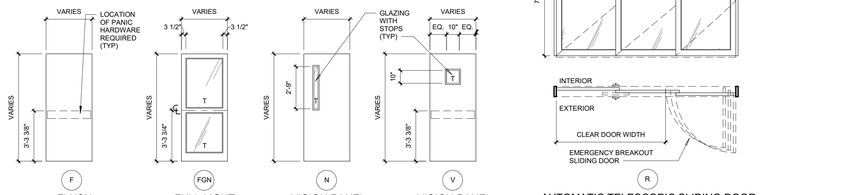
1. ALL MEANS OF EGRESS DOORS SHALL BE READILY OPENABLE FROM THE SIDE FROM WHICH EGRESS IS TO BE MADE WITHOUT THE USE OF SPECIAL TOOLS, A KEY, SPECIAL KNOWLEDGE OR EFFORT. DOUBLE KEYED DEAD BOLTS ARE PROHIBITED.
2. ALL HARDWARE SHALL BE IN COMPLIANCE WITH ADA GUIDELINES AND NATIONAL BUILDERS HARDWARE ASSOCIATION STANDARDS.
3. HARDWARE TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

DOOR & FRAME MAT'L LEGEND

ALUM	ALUMINUM
HM	HOLLOW METAL
WD	SOLID CORE WOOD
FRP	FIBER REINFORCED PANEL
T	TEMPERED

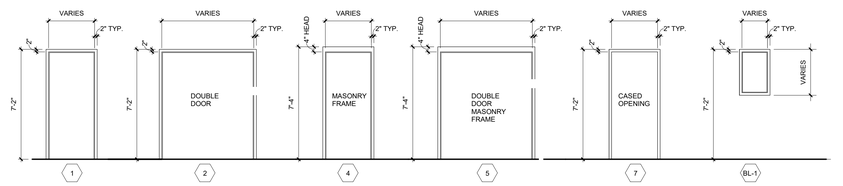
GLAZING LEGEND

GL-1	TEMPERED GLASS
GL-2	LAMINATED GLASS
GL-3	FIRE PROTECTION RATED GLASS
GL-4	FIRE RESISTANT RATED GLASS
GL-5	BUTT-GLAZED GLASS PANELS
IGU-1	DOUBLE-GLAZED INSULATING GLASS UNIT
IGU-2	DOUBE-GLAZED INSULATING GLASS UNIT (TEMPERED)
IGU-3	DOUBE-GLAZED INSULATING GLASS UNIT (LAMINATED)
IGU-4	DOUBE-GLAZED INSULATING GLASS UNIT (SPANDREL)



FLUSH | FULL LIGHT | VISION PANEL | VISION PANEL | AUTOMATIC TELESCOPIC SLIDING DOOR 3 PANEL

DOOR ~~ELEVATIONS:~~



FRAME ~~ELEVATIONS:~~

STATE OF MISSOURI
SAMUEL K. BECKMAN
NUMBER A-2011012130
ARCHITECT
2/8/2023
Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600

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

CIVIL CONSULTANT
BHC
7101 College Blvd. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
Branch Pattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	02/08/23
Job Number	3-22030
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description
2	2/20/23	Addendum #2
3	3/9/23	Addendum #3
4	10/05/23	ASI 1
5	11/8/23	ASI 2
9	4/29/24	ASI 6

TI-A4.1

© 2022 ACI/BOLAND, Inc

DOOR AND FRAME SCHEDULE AND DETAILS

BIM 360://3-22030 HCA LSMC ASC/3-22030 HCA LSMC_Arch_R21.rvt

GENERAL ROOM FINISH SCHEDULE NOTES

22	
A	REFER TO FINISH PLAN AND INTERIOR ELEVATIONS FOR WALL FINISHES, WALL PROTECTION, CORNER GUARDS, WINDOW TREATMENTS, FLOOR FINISH APPLICATION AND LOCATIONS
B	ALL SOLID WOOD, WOOD VENEER, AND PLASTIC LAMINATE GRAIN SHALL BE VERTICALLY ORIENTED UNLESS OTHERWISE NOTED
C	DOOR FRAMES, HOLLOW METAL WINDOW FRAMES TO BE PT-3 UNLESS OTHERWISE NOTED
D	ALL FACES AND UNDERSIDES OF SOFFITS AND HEADERS TO BE PT-1 UNLESS OTHERWISE NOTED
E	WALL EXPANSION JOINTS TO BE PT-1 UNLESS OTHERWISE NOTED
F	ALL ELECTRICAL PANELS AND METAL GRILLES SHALL BE PT3 TO MATCH ADJACENT WALL SURFACE UNLESS OTHERWISE NOTED
G	ALL COLUMN SURROUND FINISHES TO MATCH ADJACENT WALL SURFACE UNLESS OTHERWISE NOTED
H	WHERE A WALL IS INDICATED TO HAVE PARTIAL OR FULL HT WALL PROTECTION, THE ENTIRE WALL IS TO BE PTD PRIOR TO WALL PROTECTION INSTALLATION
I	EXTEND ALL FINISHES BENEATH, BEHIND, AROUND ALL CASEWORK, EQUIPMENT, SIGNAGE, ETC
J	ALL WINDOW SILLS TO BE SSF-1
K	ALL SST SINKS, RE: MEP
L	WOOD DOORS TO BE CLAD AND FINISHED IN PLAM-1
M	SUBMIT SAMPLES OF ALL FINISHES TO ARCHITECT FOR REVIEW PRIOR TO THE ORDERING OF MATERIAL.
N	NO IRREGULARITIES OR IMPERFECTIONS SHALL BE PRESENT IN ANY OF THE MATERILA BEING INSTALLED. IF SUCH ITEMS ARE IDENTIFIED DURING APPLICATION, WORK SHALL BE STOPPED AND THE ARCHITECT NOTIFIED.
O	PROVIDE ALL MAINTENANCE MANUALS AND WARRANTY INFORMATION FOR EACH FINISH MATERIAL TO OWNER AT COMPLETION OF PROJECT.
P	FURNISH ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO COMPLETE WORK OF FINISH APPLICATIONS.
Q	ALL FINISHES SHALL BE INSTALLED AND MAINTAINED PER MANUFACTURER'S RECOMMENDATION AND INDUSTRY STANDARDS
R	THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING AND CONFIRMING ALL SUBSTRATE CONDITIONS WHERE NEW MATERIALS ARE APPLIED. SUBSTRATE SHALL BE SMOOTH, FREE OF DEFECTS AND SHALL CONFORM TO THE REQUIREMENTS OF THE FINISHED MATERIAL MANUFACTURERS RECOMMENDATIONS.
S	ALL MATERIAL TO COMPLY WITH FLAME STREAD CLASSIFICATION EITHER CLASS (1) ONE OR CLASS A DEPENDING ON GOVERNING CODE IN EFFECT.
T	SMOKE DEVELOPMENT RATING < 450 FOR ALL FINISHES.
U	REFER TO TYPICAL WALL PROTECTION ELEVATION FOR INFORMATION ON WALL PROTECTION, CORNER GUARDS, CRASH RAILS, AND BUMPER RAILS. REFER TO FINISH SCHEDULE, FINISH PLAN, AND INTERIOR ELEVATIONS FOR LOCATIONS.

SPECIFIC ROOM FINISH SCHEDULE NOTES

2

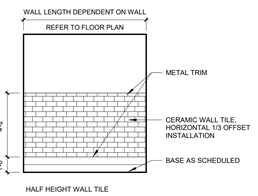
1	QTZ-1 TO BE USED ON TRASACTION TOP, SSF-1 TO BE USED ON WORKSURFACE TOP.
2	FULL HEIGHT WALL PROTECTION.
3	REFER TO TYPICAL PORCELAIN WALL TILE PATTERN ELEVATIONS, RE: A4.2.
4	INSTALL PLYWOOD BLOCKING ON ALL WALLS FOR EQUIPMENT MOUNTING.
5	FINISHES IN THIS ROOM SHALL BE PART OF THE CORE/SHELL PACKAGE.
6	REFER TO CERAMIC WALL TILE PATTERN ELEVATIONS, RE: A4.2.
7	CENTER RSF-2 UNDER OR TABLE.
8	

INTERIOR FINISH LEGEND

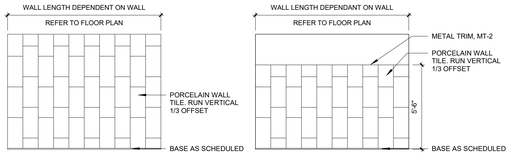
MARK	ITEM	MANUFACTURER	MODEL/ PATTERN	COLOR	SIZE	REMARKS
FLOOR						
CPT-1	CARPET	SHAW CONTRACT	SUBTEXT 5T409	LISTEN 05100	9" X 36"	ASHLAR INSTALLATION
CS-1	CONCRETE SEALER					
LVT-1	LUXURY VINYL TILE	MANNINGTON	AMTICO WOOD	MANOR OAK AROW7970	7.25" X 48"	STAGGERED INSTALLATION
LVT-2	LUXURY VINYL TILE	MANNINGTON	SPACIA ABSTRACT	SOFTLINE PEBBLE SS5A3802	18" X 18"	ASHLAR INSTALLATION
PFT-1	PORCELAIN FLOOR TILE	DALTILE	ARTICULO AR09, MATTE FINISH	COLUMN GRAY	12" X 24"	1/3 OFFSET INSTALLATION
RSF-1	SHEET VINYL	MANNINGTON	BIOSPEC ARMOR	HUSH OR111	SHEET	USE MATCHING HEAT WELD ROD
RSF-2	SHEET VINYL	MANNINGTON	BIOSPEC ARMOR	PISTACHIO OR110	SHEET	USE MATCHING HEAT WELD ROD
RSF-3	SHEET VINYL	MANNINGTON	ASSURANCE III	TRAIL 16352	SHEET	USE MATCHING HEAT WELD ROD
RSF-4	SHEET VINYL	MANNINGTON	BIOSPEC ARMOR	CHERRY TOMATO OR108	SHEET	USE MATCHING HEAT WELD ROD
TRS-1	TRANSITION STRIP	MANNINGTON	633 TILE REDUCER	701 BLACK	-	RE: TRANSITION DETAILS
TRS-2	TRANSITION STRIP	SCHLUTER	RENO-U	SATIN ANODIZED ALUMINUM	-	RE: TRANSITION DETAILS
TRS-3	TRANSITION STRIP	SCHLUTER	SCHIENE	SATIN ANODIZED ALUMINUM	-	RE: TRANSITION DETAILS
WOC-1	WALK OFF CARPET	SHAW CONTRACT	PORTAL TILE ST035	STERLING 34557	24" X 24"	ASHLAR INSTALLATION
BASE						
IB-1	INTEGRAL BASE	MANNINGTON	BIOSPEC ARMOR	HUSH OR111	6" COVE	TO BE USED WITH RSF-1. METAL COVE BASE CAP W/ 45 DEGREE SEALANT AT THE TOP W/ 45 DEGREE SEALANT AT THE TOP
IB-2	INTEGRAL BASE	MANNINGTON	ASSURANCE III	TRAIL 16352	6" COVE	TO BE USED WITH RSF-3. METAL COVE BASE CAP W/ 45 DEGREE SEALANT AT THE TOP
MT-1	METAL BASE	SCHLUTER	DILEX-AHK	SATIN ANODIZED ALUMINUM	-	COVE SHAPE PROFILE
RB-1	RESILIENT BASE	MANNINGTON	BURKEBASE, TYPE TP	CLAY 527	4" COVE WITH TOE	ROLLED GOODS
RB-2	RESILIENT BASE	MANNINGTON	EDGE EFFECTS, ETCHED	CLAY 527	4"	MITER CORNERS
WALL						
BR-1	BUMPER RAIL	INPRO CORPORATION	1300 WALL GUARD	WHITE SAND 0103	4-1/16"	RE: FINISH SCHEDULE, FINISH PLAN AND INTERIOR ELEVATIONS FOR LOCATIONS
CG-1	CORNER GUARD	INPRO CORPORATION	160BN BLUNOSE SURFACE MOUNT	WHITE SAND 0103	2" WING, FULL HEIGHT	90 DEGREE
CG-2	CORNER GUARD	INPRO CORPORATION	160BN BLUNOSE HIGH IMPACT END WALL PROTECTOR	WHITE SAND 0103	2" WING, FULL HEIGHT	90 DEGREE
CR-1	CRASH RAIL	INPRO CORPORATION	1600 WALL GUARD	WHITE SAND 0103	6"	-
CWT-1	CERAMIC WALL TILE	GARDEN STATE TILE	DISTRICT BOERUM HILL, ADWICK	SKY	12" X 16" PICKET	PATTERN TO RUN HORIZONTALLY WHEN INSTALLED. STACKED BOND.
CWT-2	CERAMIC WALL TILE	PLATFORM SURFACES	MLW MAYFAIR	WHITE	2.5" X 5"	PATTERN TO RUN HORIZONTALLY WHEN INSTALLED. 1/3 OFFSET.
MT-2	METAL TRIM	SCHLUTER	JOLLY	SATIN ANODIZED ALUMINUM	-	TO BE USED AT ALL EXPOSED EDGES OF WALL TILE
PT-1	PAINT	SHERWIN-WILLIAMS	EGGSHELL FINISH	AESTHETIC WHITE SW7035		OVERALL COLOR
PT-1A	PAINT	SHERWIN-WILLIAMS	EPOXY FINISH	AESTHETIC WHITE SW7035		OVERALL COLOR
PT-1B	PAINT	SHERWIN-WILLIAMS	FLAT FINISH	AESTHETIC WHITE SW7035		OVERALL CEILING COLOR
PT-2	PAINT	SHERWIN-WILLIAMS	EGGSHELL FINISH	COLONNADE GRAY SW7641		ACCENT COLOR
PT-3	PAINT	SHERWIN-WILLIAMS	SEMI-GLOSS FINISH	KEYSTONE GRAY SW7504		ALL HOLLOW METAL DOOR AND WINDOW FRAMES
PT-4	PAINT	SHERWIN-WILLIAMS	EGGSHELL FINISH	RAINWASHED SW6211		ACCENT COLOR
PT-4A	PAINT	SHERWIN-WILLIAMS	EPOXY FINISH	RAINWASHED SW6211		ACCENT COLOR
PT-5	PAINT	SHERWIN-WILLIAMS	RE: SPECS	IRON ORE SW7069		STAFF COURTYARD GATE POSTS
PWT-1	PORCELAIN WALL TILE	DALTILE	ARTICULO AR06, MATTE FINISH	EDITORIAL WHITE	12" X 24"	1/3 OFFSET INSTALLATION
WP-1	WALL PORTECTION	INPRO CORPORATION	RIGID SHEET	WHITE SAND 0103	4' X 8' SHEET, .060" THICK	USE WITH MATCHING TRIM PIECES
CASEWORK						
IS-1	INTEGRAL SINK	WILSONART	AV1513 RECTANGULAR ADA RAMP VANITY	CALM WHITE	17-1/2" X 15-3/8" X 5-1/4"	RE: ROOM FINISH SCHEDULE
IS-2	INTEGRAL SINK	WILSONART	AD1630 EQUAL DOUBLE BOWL	CALM WHITE	32-1/16" X 16-5/8" X 9-1/8"	RE: ROOM FINISH SCHEDULE
IS-3	INTEGRAL SINK	WILSONART	AV1812 RECTANGULAR VANITY	CALM WHITE	19-5/8" X 14-3/4" X 6-7/8"	RE: ROOM FINISH SCHEDULE
PLAM-1	PLASTIC LAMINATE	WILSONART	7987-38	PALISADES OAK	4' X 8' SHEET	USE MATCHING 3MM EDGE BANDING
QTZ-1	QUARTZ	WILSONART	Q4057	CALACATTA VOLEGNO	3CM THICK	EASED EDGES
SSF-1	SOLID SURFACE	WILSONART	9196RS	YUKON RIVERSTONE	1/2" THICK	EASED EDGES
SST-1	STAINLESS STEEL	-	-	-	-	-
TB-1	TACK BOARD	GUILFORD OF MAINE	ANCHORAGE 2335	QUARRY BLUE 2026	-	RE: INTERIOR ELEVATIONS AND PLANS FOR LOCATIONS.
CEILING						
ACT-1	ACOUSTIC CEILING TILE	ARMSTRONG CEILINGS	FINE FISSURED 1755	WHITE	24" X 48"	15/16" SQUARE LAY-IN & 15/16" PRELUDE SUSPENSION SYSTEM
ACT-2	ACOUSTIC CEILING TILE	ARMSTRONG CEILINGS	CLEAN ROOM VL UNPERFORATED 970	WHITE	24" X 48"	15/16" SQUARE LAY-IN & ALUMINUM CLEAN ROOM SUSPENSION SYSTEM. GASKETED GRID
ACT-3	ACOUSTIC CEILING TILE	ARMSTRONG CEILINGS	DESIGNFLEX SQUARES AND RECTANGLES; ULTIMA TEGULAR 1422	WHITE	6" X 48", 12" X 48", 24" X 48"	9/16" BEVELED TEGULAR W/ 9/16" SUPRAFINE SUSPENSION SYSTEM, BLIZZARD WHITE
WDC-1	WOOD CEILING	ARMSTRONG CEILINGS	WOODWORKS VENEER	6690W1 IN NATURAL VARIATIONS WALNUT (NWN)	24" X 96"	NOMINAL 4" WIDE PLANKS WITH 3/4" REVEAL 15/16 EDGE
MISC.						
AP-1	ACRYLIC PANEL	LUMICOR	WALDEN	DAWN	RE: INTERIOR ELEVATIONS	SATIN FINISH. SANDED & MATTE EASED EDGE
CC-1	CUBICLE CURTAIN	PHOENIX TEXTILE	AQUIFER-X	CARIBBEAN #6	RE: FLOOR PLANS & RCP	USE WITH WHITE MESH.
CCT-1	CUBICLE CURTAIN TRACK	INPRO CORPORATION	WHISPER CUBE	WHITE	RE: RCP	-
GT-1	GROUT	MAPEI	KERAPOXY			-
SB-1	SHOWER BASE	INPRO CORPORATION	BIOPRISM SOLID SURFACE SHOWER RECEPTOR - STANDARD ADA	BONE	36" X36"	-
SC-1	SHOWER CURTAIN	INPRO CORPORATION	CHALET	SNOW	RE: FLOOR PLANS & RCP	USE WITH WHITE MESH
SCR-1	SHOWER CURTAIN ROD	INPRO CORPORATION	STATIONARY ROD	SATIN CHROME	-	-
TP-1	TOILET PARTITION	WILSONART	COMPACT LAMINATE	PALISADES OAK	-	RE: SPEC
UP-1	UPHOLSTERY	WOLF GORDAN	GOH 32505921 EDEN	TAUPE	-	USED AT SEAT CUSHION OF REFRESHMENT BOOTH
UP-2	UPHOLSTERY	LUUM TEXTILES	META TEXTURE	PALE SHADOW 4063-03	-	USED AT SEAT BACK OF REFRESHMENT BOOTH
WT-1	WINDOW TREATMENT	MECHOSHADE	MECHO 5 STANDARD BRACKET, MANUAL SINGLE REGULAR ROLL SHADE W/ FASCIA, CEILING MOUNT	FASCIA: QUAKER BRONZE; SHADECLOTH:THERMOVEIL 1700 GRAY 1% OPENNESS	LOCATED AT ALL WINDOWS ALONG EXTERIOR WALL. RE: RCP	-

ROOM FINISH SCHEDULE

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	
100	WAITING	LVT-1, CPT-1	RB-2	PT-1	PT-1	PT-1	PT-4	PLAM- 1	-	SSF-1 QTZ-1	-	ACT-3		
100B	REFRESHMENT	CPT-1	RB-2	PT-1	CWT-1	PT-1	PT-4	PLAM- 1	-	SSF-1	-	ACT-1/PT-1B		
101	VESTIBULE	WOC-1	RB-2	PT-1	PT-1	PT-1	PT-1	-	-	-	-	PT-1B		
102	RECEPTION	LVT-1	RB-2	PT-1	PT-1	PT-1	PT-1	PLAM- 1	PLAM- 1	SSF-1/ QTZ-1	-	ACT-1/WDC-1/PT-1B	1	
103	CHECK-IN	LVT-1	RB-2	PT-1	PT-1	PT-1	PT-1	PLAM- 1	-	SSF-1	-	ACT-1		
104	CHECK-IN	LVT-1	RB-2	PT-1	PT-1	PT-1	PT-1	PLAM-1	-	SSF-1	-	ACT-1		
105	ADMINISTRATION	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	PLAM- 1	PLAM- 1	SSF-1	-	ACT-1		
107	VESTIBULE	WOC-1	RB-2	PT-1	PT-1	PT-1	PT-1	-	-	-	-	PT-1B		
108	COMMS	CS-1	-	PT-1	PT-1	PT-1	PT-1	-	-	-	-	EXPOSED	4	
109	EXAM	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	PLAM- 1	PLAM- 1	SSF-1	IS-3	ACT-1		
110	HALL	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	-	-	-	ACT-1		
111	CONSULT	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	PLAM- 1	PLAM-1	SSF-1	IS-3	ACT-1		
112	TLT	PFT-1	MT-1	PT-1A/PWT-1	PT-1A/CWT-1	PT-1A/PWT-1	PT-1A/PWT-1	PLAM- 1	-	SSF-1	IS-1	GPT	3	
113	TLT	PFT-1	MT-1	PT-1A/PWT-1	PT-1A/PWT-1	PT-1A/PWT-1	PT-1A/CWT-1	PLAM- 1	-	SSF-1	IS- 1	GPT	3	
114	TLT	RSF-3	IB-2	PT-1A/PWT-1	PT-1A/PWT-1	PT-1A/PWT-1	PT-1A/PWT-1	PLAM- 1	-	SSF-1	IS-1	ACT-1	3	
115	PR 2	LVT-2	RB-1	-	PT-1/ WP-1	-	PT-4/WP-1	PT-1/WP-1	PLAM- 1	-	SSF-1	-	ACT-1	
116	PR 1	LVT-2	RB-1	PT-4/WP-1	PT-1/WP-1	-	PT-4/WP-1	PT-1/WP-1	PLAM- 1	-	SSF-1	-	ACT-1	
117	PR 3	LVT-2	RB-1	-	PT-1/WP-1	-	PT-4/WP-1	PT-1/WP-1	PLAM- 1	-	SSF-1	-	ACT-1	
118	NURSE STATION	LVT-2	RB-1	PT-1	PT-1	PT-1	PT-4	PLAM- 1	PLAM- 1	SSF-1	IS-3	ACT-1		
119	ALCOVE	LVT-2	RB-1	PT-1/WP-1	PT-1/WP-1	PT-1/WP-1	-	PT-1/WP-1	-	PLAM-1	-	-	PT-1B	
120	HALL	LVT-2	RB-1	PT-1/WP-1/BR-1/CR-1	PT-1	PT-1/WP-1/BR-1/CR-1	PT-1/WP-1/BR-1/CR-1	PT-1	PLAM- 1	PLAM-1	SSF-1	IS-3	ACT-1	
121	PR 4 - 23 HR	LVT-2	RB-1	PT-1/WP-1	PT-1/ WP-1	PT-4/WP-1	9	PT-1/WP-1	PLAM- 1	-	SSF-1	-	ACT-1	
122	MEDS.	RSF-1	IB-1	PT-1/WP-1	PT-1/WP-1	PT-1	9	PT-1/WP-1	PLAM- 1	PLAM-1	SSF-1	IS-3	ACT-2	
123	TLT	RSF-3	IB-2	PT-1A/PWT-1	PT-1A/PWT-1	PT-1A/PWT-1	PT-1A/PWT-1	-	-	-	-	ACT-1	3	
124	PR 7	LVT-2	RB-1	PT-4/WP-1	PT-1/WP-1	-	PT-1/WP-1	PT-1/WP-1	PLAM- 1	-	SSF-1	-	ACT-1	
125	PR 5 - 23 HR	LVT-2	RB-1	PT-1/WP-1	PT-1/ WP-1	PT-4/WP-1	PT-1/WP-1	PT-1/WP-1	PLAM- 1	-	SSF-1	-	ACT-1	
126	PR 8	LVT-2	RB-1	PT-4/WP-1	PT-1/ WP-1	-	PT-1/WP-1	PT-1/WP-1	PLAM- 1	-	SSF-1	-	ACT-1	
127	PR 6	LVT-2	RB-1	-	PT-1/ WP-1	PT-4/WP-1	PT-1/WP-1	PT-1/WP-1	PLAM- 1	-	SSF-1	-	ACT-1	
128	PR 9	LVT-2	RB-1	PT-4/WP-1	PT-1/WP-1	-	PT-1/WP-1	PT-1/WP-1	PLAM- 1	-	SSF-1	-	ACT-1	
129	OFFICE 4	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	-	-	-	ACT-1		
130	HALL	LVT-2	RB-1	PT-1	PT-1	PT-1	PT-1	PLAM-1	PLAM-1	SSF-1	IS-3	ACT-1		
131	NOURISH.	LVT-2	RB-1	PT-1	PT-1	PT-1	-	PLAM- 1	PLAM- 1	SSF- 1	IS-3	ACT-1		
132	PR 1	LVT-2	RB-1	PT-4/WP-1	PT-1/ WP-1	-	PT-1/WP-1	PT-1/WP-1	PLAM- 1	-	SSF-1	-	ACT-1	
133	PR 4	LVT-2	RB-1	-	PT-1/ WP-1	PT-4/WP-1	PT-1/WP-1	PT-1/WP-1	PLAM- 1	-	SSF-1	-	ACT-1	
134	PR 2	LVT-2	RB-1	PT-4/WP-1	PT-1/ WP-1	-	PT-1/WP-1	PT-1/WP-1	PLAM- 1	-	SSF-1	-	ACT-1	
135	CLEAN	LVT-2	RB-1	PT-1/WP-1	PT-1/WP-1	PT-1/WP-1	PT-1/WP-1	PT-1/WP-1	PLAM- 1	PLAM- 1	SSF- 1	IS- 3	ACT-1	
136	PR 3	LVT-2	RB-1	PT-4/WP-1	PT-1/WP-1	-	PT-1/WP-1	PT-1/WP-1	PLAM- 1	-	SSF-1	-	ACT-1	
137	STORAGE	LVT-2	RB-1	PT-1/WP-1	PT-1/ WP-1	PT-1	9	PT-1/WP-1	-	-	-	-	ACT-1	
138	PR 5	LVT-2	RB-1	PT-4/WP-1	PT-1/WP-1	-	PT-1/WP-1	PT-1/WP-1	PLAM- 1	-	SSF-1	-	ACT-1	
139	TLT	RSF-3	IB-2	PT-1A/PWT-1	PT-1A/PWT-1	PT-1A/PWT-1	PT-1A/PWT-1	-	-	-	-	ACT-1	3	
140	HALL	LVT-2	RB-1	PT-1	PT-1	PT-1	PT-1	PLAM- 1	PLAM-1	SSF-1	IS-3	ACT-1		
142	PR 6	LVT-2	RB-1	PT-4/WP-1	PT-1/ WP-1	-	PT-1/WP-1	PLAM- 1	-	SSF-1	-	ACT-1		
144	PR 7	LVT-2	RB-1	PT-4/WP-1	PT-1/ WP-1	-	PT-1/WP-1	PLAM- 1	-	SSF-1	-	ACT-1		
146	PR 8	LVT-2	RB-1	PT-4/WP-1	PT-1/ WP-1	-	PT-1/WP-1	PLAM- 1	-	SSF-1	-	ACT-1		
148	TLT	RSF-3	IB-2	PT-1A/PWT-1	PT-1A/PWT-1	PT-1A/PWT-1	PT-1A/PWT-1	-	-	-	-	ACT-1	3	
150	HALL	RSF-1	RB-1	PT-1/WP-1/BR-1/CR-1	PT-1/ WP-1/BR-1 /CR-1	PT-1/WP-1/BR-1/CR-1	PT-1	-	-	-	-	ACT-2		
151	DICTATION	RSF-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	PLAM-1	SSF-1	-	PT-1A		
152	GI PROCEDURE	RSF-1	IB-1	PT-4A/WP-1	PT-1A/WP-1	PT-1A/WP-1	PT-1A/WP-1	PLAM- 1	PLAM- 1	SSF- 1	IS- 3	ACT-2		
153	SCOPE DECON.	RSF-1	IB-1	PT-1A/WP-1	PT-1A/WP-1	PT-1A/WP-1	PT-1A/WP-1	SST	SST	SST	SST	ACT-2		
154	SCOPE STORAGE	RSF-1	IB-1	WP-1	WP-1	WP-1	WP-1	-	-	-	-	ACT-2		
155	SCOPE REPROCESSING	RSF-1	IB-1	PT-1A/WP-1	PT-1A/WP-1	PT-1A/WP-1	PT-1A/WP-1	SST	SST	SST	SST	ACT-2		
156	GI PROCEDURE	RSF-1	IB-1	PT-4A/WP-1	PT-1A/WP-1	PT-1A/WP-1	PT-1A/WP-1	PLAM- 1	PLAM-1	SSF-1	IS-3	ACT-2		
157	STORAGE	RSF-1	RB-1	PT-1	PT-1	PT-1/WP-1	9	PT-1/WP-1	-	-	-	-	ACT-2	
160	HALL	LVT-2	RB-1	PT-1/WP-1/BR-1/CR-1	PT-1/ WP-1/BR-1 /CR-1	PT-1/WP-1/BR-1/CR-1	PT-1/WP-1/BR-1/CR-1	-	-	-	-	ACT-1		
161	OFFICE 3	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	-	-	-	ACT-1		
162	DICTATION	LVT-2	RB-1	PT-1	PT-1	PT-1	-	-	PLAM-1	SSF-1	-	PT-1B		
163	OFFICE 2	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	-	-	-	ACT-1		
164	SOILED	RSF-1	IB-1	PT-1A/WP-1	PT-1A/WP-1	PT-1A/WP-1	PT-1A/WP-1	PLAM- 1	-	SSF- 1	IS- 3	ACT-2		
165	OFFICE 1	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	-	-	-	ACT-1		
166	STAFF LOUNGE	LVT-2	RB-1	PT-1	PT-1	PT-1	PT-1/CWT-1	PLAM- 1	PLAM- 1	SSF- 1	IS- 2	ACT-1/PT-1B		
167	CLEAN LINEN	RSF-1	RB-1	PT-1A/WP-1	PT-1A/WP-1	PT-1A/WP-1	PT-1A/WP-1	-	-	-	-	ACT-1		
167.5	EQUIPMENT ALCOVE	RSF-1	RB-1	PT-1/WP-1	PT-1/WP-1	PT-1/WP-1	PT-1/WP-1	-	-	-	-	PT-1A		
168	HALL	LVT-2	RB-1	PT-1/BR-1/CR-1	PT-1/ WP-1/BR-1 /CR-1	PT-1/WP-1/BR-1/CR-1	PT-1/WP-1/BR-1/CR-1	-	-	-	-	ACT-1		
169	JAN	RSF-1	IB-1	PT-1A/WP-1	PT-1A/WP-1	PT-1A/WP-1	PT-1A/WP-1	-	-	-	-	ACT-2	2	
170	HALL	RSF-1	IB-1	PT-1/WP-1	PT-1/ WP-1	PT-1/WP-1	PT-1/WP-1	-	-	-	-	ACT-2		
171	STERILE ASSEMBLY	RSF-1	IB-1	WP-1	WP-1	WP-1	WP-1	SST	SST	SST	SST	ACT-2		
172	NEPTUNE	RSF-1	IB-1	PT-1/WP-1	PT-1/WP-1	PT-1/WP-1	PT-1/WP-1	-	-	-	-	ACT-2	2	
173	SOILED HOLD	RSF-1	IB-1	PT-1/WP-1	PT-1/WP-1	PT-1/WP-1	PT-1/WP-1	-	-	-	-	ACT-2	2	
174	JANITOR	RSF-1	IB-1	PT-1/WP-1	PT-1/WP-1	PT-1/WP-1	PT-1/WP-1	-	-	-	-	ACT-2	2	
175	WOMENS LOCKER ROOM	PFT-1	MT-1,PFT-1	PT-1A/PWT-1	PT-1A/PWT-1	PT-1A/PWT-1/CWT-1	PT-1A, PWT-1	PLAM- 1	-	SSF-1	IS-1	ACT-1/PT-1B		
176	PATH LAB	RSF-1	IB-1	PT-1A/WP-1	PT-1A/WP-1	PT-1A/WP-1	PT-1A/WP-1	PLAM- 1	PLAM- 1	SSF- 1	IS- 3	ACT-2		
177	MENS LOCKER ROOM	PFT-1	MT-1,PFT-1	PT-1A/PWT-1	PT-1A/PWT-1	PT-1, PWT-1	PT-1A/CWT-1/PWT-1	PLAM- 1	-	SSF-1	IS-1	ACT-1/PT-1B		
178	ANESTH.	RSF-1	IB-1	PT-1A/WP-1	PT-1A/WP-1	PT-1A/WP-1	PT-1A/WP-1	PLAM- 1	PLAM- 1	SSF- 1	IS- 3	ACT-2		
179	ELEC	CS-1	-	PT-1	PT-1	PT-1	PT-1	-	-	-	-	EXPOSED		
180	HALL	RSF-1, RSF-2	IB-1,2	PT-1A/WP-1/CR-1	-	PT-1A/WP-1/CR-1	-	-	-	-	-	ACT-2		
180A	SCRUB SINK	RSF-2	MT-1	-	PT-1A/WP-1	PT-1A/CWT-2	PT-1A/WP-1	-	-	-	-	PT-1A	6	
180B	SCRUB SINK	RSF-2	MT-1	-	PT-1A/WP-1	PT-1A/CWT-2	PT-1A/WP-1	-	-	-	-	PT-1A	6	
181	OR 1	RSF-1	IB-1	PT-1A/WP-1	PT-1A/WP-1	PT-1A/WP-1	PT-1A/WP-1	-	-	-	-	PT-1A	7	
182	DECON	RSF-1	IB-1	WP-1	WP-1	WP-1	WP-1	SST	SST	SST	SST	ACT-2		
183	OR 2	RSF-1	IB-1	PT-1A/WP-1	PT-1A/WP-1	PT-1A/WP-1	PT-1A/WP-1	-	-	-	-	PT-1A	7	
184	STERILIZERS	RSF-1	IB-1	WP-1	WP-1	WP-1	WP-1	-	-	-	-	ACT-2		
185	OR 3	RSF-1	IB-1	PT-1A/WP-1	PT-1A/WP-1	PT-1A/WP-1	PT-1A/WP-1	-	-	-	-	PT-1A	7	
186	STERILE STORAGE	RSF-1	IB-1	PT-1A/WP-1	PT-1/WP-1	PT-1A/WP-1	PT-1A/WP-1	-	-	-	-	ACT-2		
187	EQUIP. STORAGE	RSF-1	IB-1	PT-1	PT-1	PT-1	PT-1	-	-	-	-	ACT-2		
189	STRETCHER ALCOVE	RSF-1	RB-1	-	PT-1A/WP-1	PT-1A/WP-1	PT-1A/WP-1	-	-	-	-	PT-1A		
190	VESTIBULE	WOC-1	RB-1	PT-1	PT-1/ WP-1	PT-1/WP-1	PT-1/WP-1	-	-	-	-	ACT-1		
191	TRASH	RSF-1	IB-1	PT-1A	PT-1A/WP-1	PT-1A/WP-1	PT-1A/WP-1	-	-	-	-	EXPOSED	2	
192	RECEIVING	LVT-1	RB-1	PT-1/WP-1	PT-1/WP-1	PT-1/WP-1	PT-1/WP-1	-	PLAM- 1	SSF-1	-	ACT-1		
195	MECH ROOM	CS-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	-	-	-	EXPOSED		
196	EM ELEC ROOM	CS-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	-	-	-	EXPOSED		
197	ELEC	CS-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	-	-	-	EXPOSED		
198	WATER ENTRY	CS-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	-	-	-	EXPOSED		
199	GAS STOR.	CS-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	-	-	-	EXPOSED		



B6 TYPICAL SCRUB ALCOVE TILE PATTERN
1/4" = 1'-0"


WALL LENGTH DEPENDENT ON WALL
REFER TO FLOOR PLAN
PORCELAIN WALL TILE, RUN VERTICAL 1/3 OFFSET
BASE AS SCHEDULED
WALL LENGTH DEPENDANT ON WALL
REFER TO FLOOR PLAN
METAL TRIM, MT-2
PORCELAIN WALL TILE, RUN VERTICAL

4/30/2024 10:54:05 AM

FFE SCHEDULE

TYPE MARK	DESCRIPTION	RESPONSIBILITY	COMMENTS
A1000	FIRE EXTINGUISHER CABINET	CFCI	BLOCKING AS REQUIRED, CLEAN AGENT TYPE 9
A1012	WALL MOUNTED PHONE	OFOI	
A1015	PHONE	OFOI	POWER AND DATA REQUIRED
A1066	MIRROR	CFCI	
A1122	EQUIPMENT BOOM	VFVI	POWER REQUIRED
A4015	CLOCK, ELECTRIC	CFCI	
A4995	TABLE, DIAPER CHANGING, WALL MOUNTED	CFCI	BLOCKING AS REQUIRED
A5030	FOLDING SHOWER SEAT	CFCI	BLOCKING AS REQUIRED
A5065	NARCO BOX	OFCI	
A5075	SOAP 3	OFOI	
A5077	HAND SANITIZER	OFCI	
A5082	PAPER TOWEL, RECESSED	CFCI	RECESSED MOUNT, RE: SPECS
A5082a	PAPER TOWEL, SURFACE MOUNT	CFCI	
A5090	DISPOSAL, SANITARY NAPKIN	CFCI	
A5107	GLOVE DISPENSER	OFCI	
A5108	SHARPS	OFOI	
A5109a	GRAB BAR, HORIZONTAL, 36"	CFCI	BLOCKING AS REQUIRED
A5109b	GRAB BAR, HORIZONTAL, 42"	CFCI	BLOCKING AS REQUIRED
A5109c	GRAB BAR, VERTICAL, 18"	CFCI	BLOCKING AS REQUIRED
A5109d	GRAB BAR, HORIZONTAL, L SHAPED, 18" X 33"	CFCI	BLOCKING AS REQUIRED
A5135	UTILITY SHELF	CFCI	
A5145a	GARMENT HOOK	CFCI	BLOCKING AS REQUIRED
A5145b	COAT HOOK	CFCI	BLOCKING AS REQUIRED
A5160	MOP SHELF	CFCI	
A5170	ROD, SHOWER CURTAIN	CFCI	BLOCKING AS REQUIRED
A5180	CUBICLE CURTAIN W/ TRACK	CFCI	
A5181	DIVISION PANEL	OFOI	
A5200	DISPENSER, TOILET PAPER, 2 ROLL	CFCI	
A5210a	TV WALL BRACKET, ADJUST ARM	CFCI	BLOCKING AS REQUIRED
A5210b	TV WALL BRACKET	CFCI	BLOCKING AS REQUIRED 3
A6010	BUMPER GUARD	OFOI	
E0090	DESKING SYSTEM	OFOI	
E0645	SHELVING, BIN STORAGE, SLAT WALL	VFCI	
E0945	MOBILE WORKSTATION	OFOI	
E0948	GENERAL STORAGE CART	OFOI	
E0963	CART STORAGE	OFOI	
F0205	SIDE CHAIR, W/ ARMS	OFOI	
F0250	CHAIR, LOUNGE	OFOI	
F0265	CHAIR, RECLINER	OFOI	
F0300	CHAIR, TASK, SWIVEL, W/ ARMS	OFOI	
F0306	CHAIR, WAITING ROOM, BARIATRIC	OFOI	
F0355	FOOTSTOOL	OFOI	
F0415	LATERAL FILE	OFOI	
F0430	BBF	OFOI	
F0735	TABLE, COFFEE	OFOI	
F0740	TABLE	OFOI	
F0740a	TABLE	OFOI	
F0740c	TABLE	OFOI	
F0795b	TABLE, DINING, BAR HT.	OFOI	INTEGRATED POWER
F2010	STEP TRASHCAN	OFOI	
F2020	TRASH CAN, 44 GAL	OFOI	
F7040b	TABLE, BAR HT.	OFOI	
K1552	COFFEE MAKER	OFOI	POWER REQUIRED
K2020	DETERGENT DOSING SYSTEM	VFVI	
K2515	DISHWASHER	OFCI	WATER AND POWER REQUIRED, RE:MEP
K4665	MICROWAVE	OFOI	POWER REQUIRED
L0100	MICROSCOPE	OFOI	
L1350	CENTRIFUGE	OFOI	
L3430	CRYOSTAT	OFOI	POWER REQUIRED
M0506a	TELEVISION, 55"	OFCI	POWER AND DATA REQUIRED
M0506b	TELEVISION, 65"	OFCI	POWER AND DATA REQUIRED
M1801	COMPUTER	OFOI	
M1803	WORKSTATION, WALL MOUNTED	OFCI	PROVIDE BLOCKING FOR WALL BRACKET, POWER & DATA REQ'D RE: ELEC.
M1820	CREDIT CARD	OFOI	POWER AND DATA REQUIRED
M1825	PRINTER	OFOI	POWER REQUIRED
M1840	PRINTER/COPIER/FAX COMBINATION	OFOI	POWER AND DATA REQUIRED
M2055	WIRE SHELVING, 48"Wx18"Dx74"H	OFOI	
M2100	CART	OFOI	
M3070	LINEN HAMPER	OFOI	
M3072	INFECTIOUS WASTE BIN	OFOI	
M3073	INFECTIOUS WASTE BIN, STEP-ON	OFOI	
M3110	BLANKET WARMER	OFOI	POWER REQUIRED
M3160	SCOPE DRYING CABINET	OFOI	POWER REQUIRED
M4100	SPHYG	OFOI	
M4255	STAND, IV, ADJUSTABLE	OFOI	
M4266	INFUSION VOLUMETRIC PUMP	OFOI	
M4655	STRETCHER	OFOI	
M4665	STRETCHER, RECOVERY, SURGICAL	OFOI	
M4705	WHEELCHAIR	OFOI	
M5030	STOOL	OFOI	
M7780	COUNTERTOP SCANNER	OFOI	
M7845	VITALS SIGN MONITOR	OFOI	PROVIDE BLOCKING, POWER & DATA REQ'D RE: ELEC.
M8806	ENDOSCOPY CART	OFOI	
M8800	ANESTHESIA CART	OFOI	
M8810	MAYO STAND	OFOI	
M8900	CARRIAGE, PAIL	OFOI	
M8905	PAIL, UTILITY	OFOI	
M8940	STOOL	OFOI	
M9110	OPERATING TABLE	OFOI	
P6990a	SCRUB SINK, DOUBLE	CFCI	
P6990b	SCRUB SINK, SINGLE	CFCI	
R4000a	ICE MACHINE	OFCI	PLUMBING AND POWER REQUIRED, RE:MEP
R4000b	ICE MAKER, 90LB STORAGE	OFOI	PLUMBING AND POWER REQUIRED, RE:MEP
R4400	COUNTERTOP ICE/WATER MACHINE	OFCI	PLUMBING AND POWER REQUIRED, RE:MEP
R6200	UC REF. MED GRADE	OFCI	POWER REQUIRED
R6500	REF. MED GRADE, FULL HEIGHT	OFOI	POWER AND DATA REQUIRED, TIED TO BAS.
R7250	REF/FR, 20 CU FT	OFOI	POWER REQUIRED
S0125b	MED. STERILIZER (FUTURE)	VFCI	POWER, DATA, PLUMBING REQUIRED. RE: VENDOR DRAWINGS & MEP
S0237	SMALL. STERILIZER	VFCI	POWER, DATA, PLUMBING REQUIRED. RE: VENDOR DRAWINGS & MEP
S0295	LOADING CART	OFOI	3
S0960	DISINFECTOR	VFCI	
S0960f	DISINFECTOR	VFCI	
S1900	PASS THRU WINDOW	VFCI	POWER REQUIRED, RE: VENDOR DRAWINGS & MEP
S2627	SCOPE REPROCESSOR	VFVI	
S2635	ULTRASONIC	VFVI	POWER & PLUMBING REQUIRED, RE: VENDOR DRAWINGS & MEP
S2635f	SONIC CLEANER (FUTURE)		POWER & PLUMBING REQUIRED. RE: VENDOR DRAWINGS & MEP
S5505	STERILIZER	OFOI	PLUMBING AND POWER REQUIRED, RE:MEP
S5505f	STERILIZER	OFOI	PLUMBING AND POWER REQUIRED, RE:MEP
S9755	NEPTUNE	OFOI	
S9756	NEPTUNE ROVER	OFOI	PLUMBING AND POWER REQUIRED, RE:MEP
TB018	BACKTABLE	OFOI	
U1001	LOGO	CFCI	
U1007	SCOPE BUDDY	OFOI	POWER REQUIRED
U1008	SURGICAL BOOM	VFVI	POWER AND DATA REQUIRED, RE: ELECTRICAL
U1009	SURGICAL BOOM	VFVI	POWER AND DATA REQUIRED, RE: ELECTRICAL
U1011	MARKER BOARD PANEL, 24"x36"	CFCI	
U1011b	MARKER BOARD PANEL, 48"x96"	CFCI	
U1012	SHREDDER	OFCI	POWER REQUIRED
U1024	MOBILE ADA PHONE	OFOI	POWER AND DATA REQUIRED
U1026	ENDOSCOPY BOOM	VFVI	POWER REQUIRED
U1027	SURGICAL LIGHT BOOM, STERIS	VFVI	POWER REQUIRED
U1028	LIGHT ISOLATION PANEL	VFVI	POWER REQUIRED
U1030	VERTICAL POWER CONTROL PANEL	VFVI	POWER REQUIRED
U1031	HARMONY EQUIP BOOM	VFVI	CO2 Controller on Boom
U1032	WRAPPING STATION RODS	OFCI	
U1033	ULTRALOAD FREEZER	OFOI	PLUMBING AND POWER REQUIRED, RE:MEP
U1034	CACTUS SINK	OFOI	
U1035	NURSE CALL DOME LIGHT	OFCI	POWER REQUIRED
U1036	SCOPE FILTER MOUNT	OFCI	
U1037	KNOX BOX	OFOI	FLUSH MOUNT. COORDINATE FINAL LOCATION WITH FIRE DEPARTMENT. 3
U1039	SLX RECESS BOX	OFOI	
U1040	WALL CONTROL	OFOI	
U1042	COR LITE	OFOI	
U1043	WALL MOUNTED COR LITE TOUCH PANEL	OFOI	
U1044	4 IN 1 WALL PLATE	OFOI	
U1046	SK BOX	VFCI	POWER REQUIRED, RE: VENDOR DRAWINGS & MEP
U1047a	SST SHELF, 8"x48"	CFCI	MEDICUS HEALTH, SKU#7314M3
U1047b	SST SHELF, 8"x24"	CFCI	MEDICUS HEALTH, SKU#7314M1
U1050	GENERIC BLOCKING	CFCI	REFER TO INTERIOR ELEVATIONS FOR LOCATIONS.
X3150	APRON HACK	OFOI	PROVIDE BLOCKING, VERIFY FINAL LOCATION WITH OWNER

STATE OF MISSOURI
SAMUEL K. BECKMAN
NUMBER A-2011012130
ARCHITECT
2/8/2023

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

ACI BOLAND ARCHITECTS
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600

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

CIVIL CONSULTANT
BHC
7101 College Blvd. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
Branch Pattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	02/08/23
Job Number	3-22030
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description
2	2/20/23	Addendum #2
3	3/9/23	Addendum #3
4	10/05/23	ASI 1
6	12/7/23	ASI 3
7	2/7/24	ASI 4
9	4/29/24	ASI 6

TI-A4.3

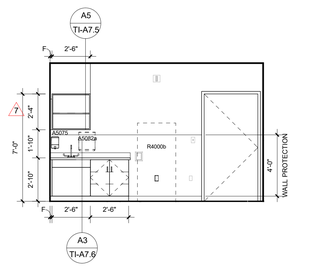
© 2022 ACI/BOLAND, Inc

FFE SCHEDULE

4/30/2024 10:54:10 AM

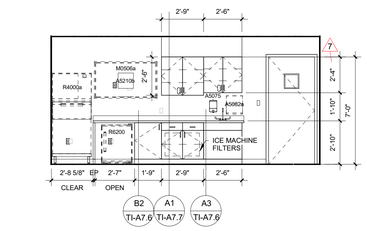
GENERAL CASEWORK NOTES

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 #73T558 CONCEALED 125 DEGREE OPEN UNLESS NOTED OTHERWISE.
9. "F" INDICATES FILLER PANEL, 1-1/2" MIN.
10. PROVIDE FINISHED ENDS AT ALL EXPOSED ENDS OF CASEWORK.
11. ALL ELECTRICAL, MECHANICAL, AND PLUMBING ITEMS SHOWN IN ELEVATION ARE FOR REFERENCE AND LOCATION ONLY. REFER TO MEP DRAWINGS FOR SIZES, TYPES AND QUANTITIES.
12. ALL SOFFITS ABOVE CASEWORK TO BE P. LAM. UNLESS NOTES OTHERWISE.
13. PROVIDE METAL DRIP TRAY WHERE UNDER CABINET WATER FILTERS OR PLUMBING CONNECTIONS OCCUR.



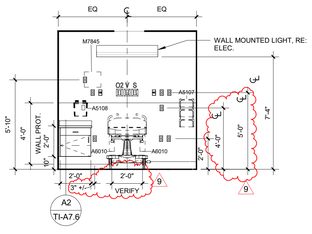
E6 135 - CLEAN ROOM, SOUTH
1/4" = 1'-0"

135	
BASE CABINETS	PLAM- 1
WALL CABINETS	PLAM- 1
COUNTERTOPS	SSF-1
SINKS	IS-3



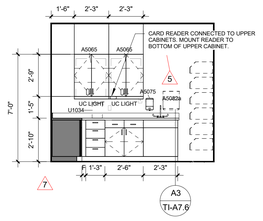
E5 132 - NOURISHMENT, EAST
1/4" = 1'-0"

131	
BASE CABINETS	PLAM- 1
WALL CABINETS	PLAM- 1
COUNTERTOPS	SSF-1
SINKS	IS-3



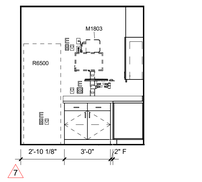
E4 124 - PR BAY, HEADWALL
1/4" = 1'-0"

124	
BASE CABINETS	PLAM- 1
WALL CABINETS	-
COUNTERTOPS	SSF-1
SINKS	-



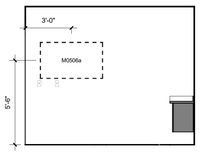
E3 122 - MEDS EAST
1/4" = 1'-0"

122	
BASE CABINETS	PLAM- 1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-3



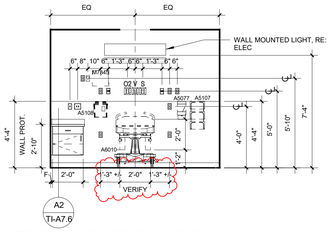
E2 122 - MEDS NORTH
1/4" = 1'-0"

122	
BASE CABINETS	PLAM- 1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-3



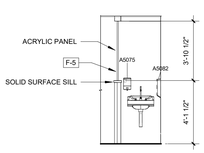
D6 121 - 23 HR BAY EAST
1/4" = 1'-0"

121	
BASE CABINETS	PLAM- 1
WALL CABINETS	-
COUNTERTOPS	SSF-1
SINKS	-



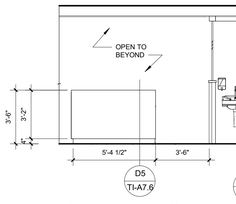
D5 121 - 23 HR ROOM - HEADWALL
1/4" = 1'-0"

121	
BASE CABINETS	PLAM- 1
WALL CABINETS	-
COUNTERTOPS	SSF-1
SINKS	-



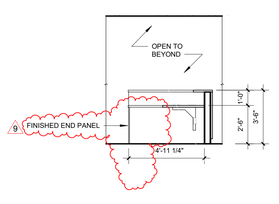
D4 120 - NURSE STATION - HANDWASH
1/4" = 1'-0"

120	
BASE CABINETS	PLAM- 1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-3



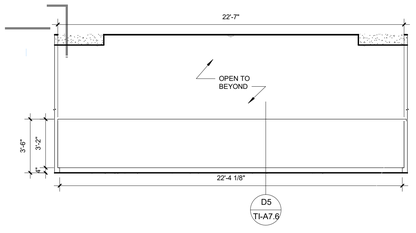
D3 118 - NURSE, SOUTH
1/4" = 1'-0"

140	
BASE CABINETS	PLAM- 1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-3



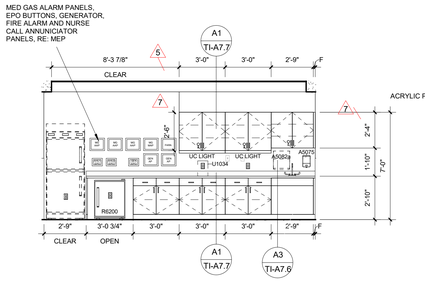
D2 118 - NURSE STATION PRINTER
1/4" = 1'-0"

118	
BASE CABINETS	PLAM- 1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-3



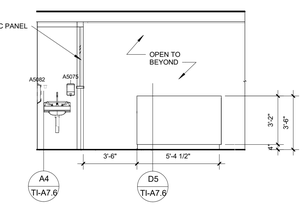
D1 118 - NURSE STATION, WEST
1/4" = 1'-0"

130	
BASE CABINETS	PLAM-1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-3



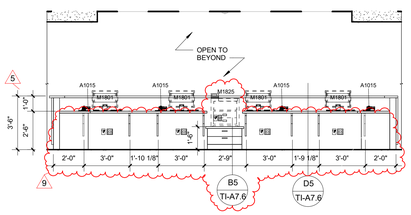
C6 118 - NURSE STATION, WEST
1/4" = 1'-0"

118	
BASE CABINETS	PLAM- 1
WALL CABINETS	PLAM- 1
COUNTERTOPS	SSF-1
SINKS	IS-3



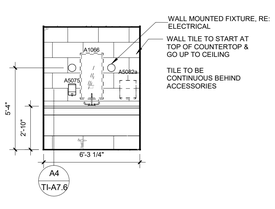
C5 118 - NURSE STATION, NORTH
1/4" = 1'-0"

120	
BASE CABINETS	PLAM- 1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-3



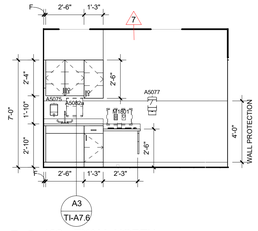
C4 118 - NURSE STATION, EAST
1/4" = 1'-0"

118	
BASE CABINETS	PLAM- 1
WALL CABINETS	PLAM- 1
COUNTERTOPS	SSF-1
SINKS	IS-3



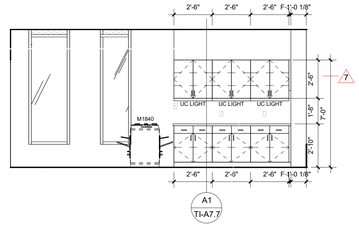
C3 113 - TOILET, WEST
1/4" = 1'-0"

113	
BASE CABINETS	PLAM- 1
WALL CABINETS	-
COUNTERTOPS	SSF-1
SINKS	IS- 1



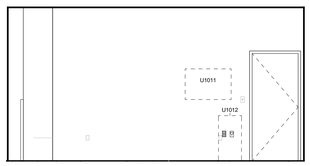
C2 109 - EXAM, NORTH
1/4" = 1'-0"

109	
BASE CABINETS	PLAM- 1
WALL CABINETS	PLAM- 1
COUNTERTOPS	SSF-1
SINKS	IS-3



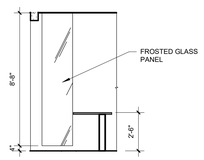
C1 105 - ADMINISTRATION, SOUTH
1/4" = 1'-0"

105	
BASE CABINETS	PLAM- 1
WALL CABINETS	PLAM- 1
COUNTERTOPS	SSF-1
SINKS	-

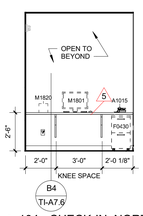


B6 105 - ADMINISTRATION, NORTH
1/4" = 1'-0"

105	
BASE CABINETS	PLAM- 1
WALL CABINETS	PLAM- 1
COUNTERTOPS	SSF-1
SINKS	-

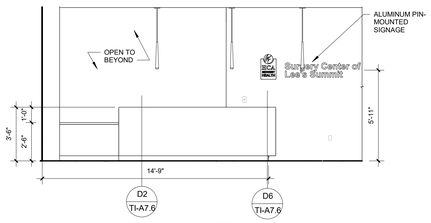


B5 104 - CHECK-IN VISION PANEL
1/4" = 1'-0"



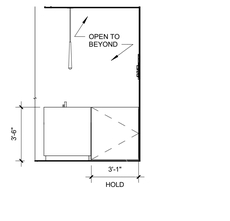
B4 104 - CHECK-IN, NORTH
1/4" = 1'-0"

104	
BASE CABINETS	PLAM-1
WALL CABINETS	-
COUNTERTOPS	SSF-1
SINKS	-



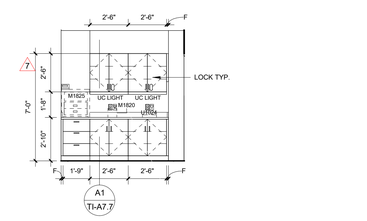
B3 102 - RECEPTION, WEST
1/4" = 1'-0"

100	
BASE CABINETS	PLAM- 1
WALL CABINETS	-
COUNTERTOPS	SSF-1 -QTZ-1
SINKS	-



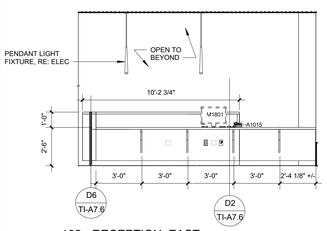
B2 102 - RECEPTION DESK NORTH
1/4" = 1'-0"

102	
BASE CABINETS	PLAM- 1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1 -QTZ-1
SINKS	-



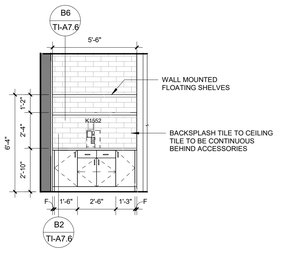
B1 102 - RECEPTION, SOUTH
1/4" = 1'-0"

102	
BASE CABINETS	PLAM- 1
WALL CABINETS	PLAM- 1
COUNTERTOPS	SSF-1
SINKS	-QTZ-1



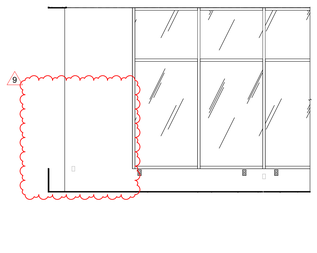
A6 102 - RECEPTION, EAST
1/4" = 1'-0"

102	
BASE CABINETS	PLAM- 1
WALL CABINETS	-
COUNTERTOPS	SSF-1 -QTZ-1
SINKS	-



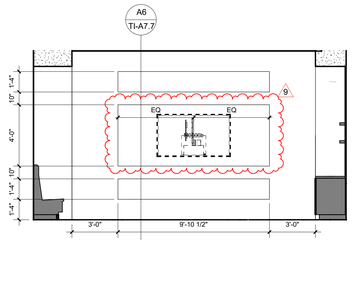
A5 100B - REFRESHMENT, EAST
1/4" = 1'-0"

100B	
BASE CABINETS	PLAM- 1
WALL CABINETS	-
COUNTERTOPS	SSF-1
SINKS	-



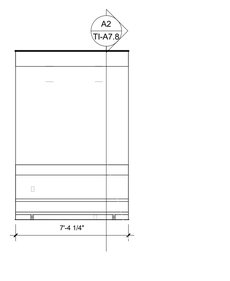
A4 100 - WAITING, SOUTH
1/4" = 1'-0"

100	
BASE CABINETS	PLAM- 1
WALL CABINETS	-
COUNTERTOPS	SSF-1 -QTZ-1
SINKS	-



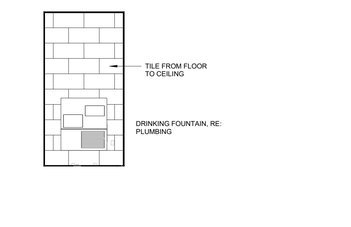
A3 100 - WAITING, NORTH
1/4" = 1'-0"

100B	
BASE CABINETS	PLAM- 1
WALL CABINETS	-
COUNTERTOPS	SSF-1
SINKS	-



A2 100 - WAITING ROOM BENCH
1/4" = 1'-0"

100	
BASE CABINETS	PLAM- 1
WALL CABINETS	-
COUNTERTOPS	SSF-1 -QTZ-1
SINKS	-



A1 DRINKING FOUNTAIN EAST
1/4" = 1'-0"

100	
BASE CABINETS	PLAM- 1
WALL CABINETS	-
COUNTERTOPS	SSF-1 -QTZ-1
SINKS	-

Samuel K. Beckman - Architect
License - Missouri #A-2011012130
2/8/2023

ACI BOLAND ARCHITECTS
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600

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

CIVIL CONSULTANT
BHC
7101 College Blvd. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
Branch Pattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	02/08/23
Job Number	3-22030
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description
5	11/8/23	ASI 2
7	2/7/24	ASI 4
9	4/29/24	ASI 6

TI-A7.2

© 2022 ACI/BOLAND, Inc

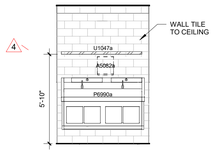
INTERIOR ELEVATIONS

BIM 360://3-22030 HCA LSMC ASC/3-22030 HCA LSMC_Arch_R21.rvt

4/30/2024 10:54:26 AM

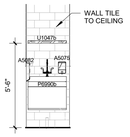
E6 181 - OR, ROBOT, WEST
1/4" = 1'-0"

181	
BASE CABINETS	PLAM- 1
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



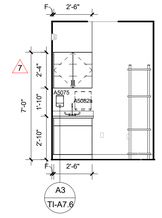
E5 180 - DBL SCRUB SINK
1/4" = 1'-0"

180	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



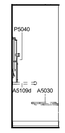
E4 180 - SINGLE SCRUB SINK
1/4" = 1'-0"

180	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



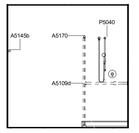
E3 178 - ANESTH. WORKROOM, WEST
1/4" = 1'-0"

178	
BASE CABINETS	PLAM- 1
WALL CABINETS	PLAM- 1
COUNTERTOPS	SSF- 1
SINKS	IS- 3



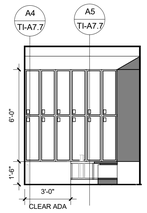
E2 177 - MENS SHOWER, WEST
1/4" = 1'-0"

177	
BASE CABINETS	PLAM- 1
WALL CABINETS	-
COUNTERTOPS	SSF-1
SINKS	IS-1



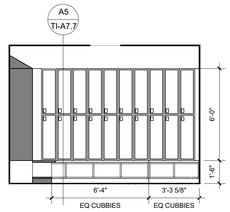
E1 177 - MENS SHOWER, SOUTH
1/4" = 1'-0"

177	
BASE CABINETS	PLAM- 1
WALL CABINETS	-
COUNTERTOPS	SSF-1
SINKS	IS-1



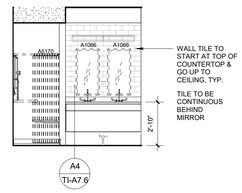
D6 177 - MENS LOCKER, WEST
1/4" = 1'-0"

177	
BASE CABINETS	PLAM- 1
WALL CABINETS	-
COUNTERTOPS	SSF-1
SINKS	IS-1



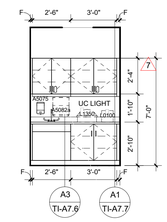
D5 177 - MENS LOCKER, NORTH
1/4" = 1'-0"

177	
BASE CABINETS	PLAM- 1
WALL CABINETS	-
COUNTERTOPS	SSF-1
SINKS	IS-1



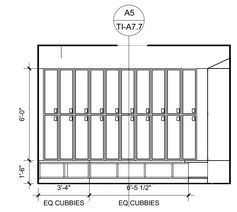
D4 177 - MENS LOCKER SINK
1/4" = 1'-0"

177	
BASE CABINETS	PLAM- 1
WALL CABINETS	-
COUNTERTOPS	SSF-1
SINKS	IS-1



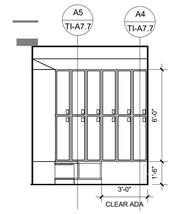
D3 176 - PATH LAB, WEST
1/4" = 1'-0"

176	
BASE CABINETS	PLAM- 1
WALL CABINETS	PLAM- 1
COUNTERTOPS	SSF- 1
SINKS	IS- 3



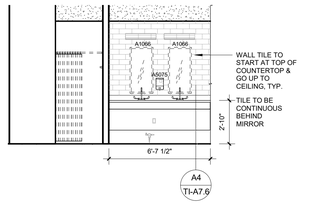
D2 175 - WOMENS LOCKER, NORTH
1/4" = 1'-0"

175	
BASE CABINETS	PLAM- 1
WALL CABINETS	-
COUNTERTOPS	SSF-1
SINKS	IS-1



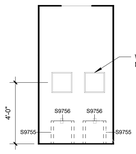
D1 175 - WOMENS LOCKER, EAST
1/4" = 1'-0"

175	
BASE CABINETS	PLAM- 1
WALL CABINETS	-
COUNTERTOPS	SSF-1
SINKS	IS-1



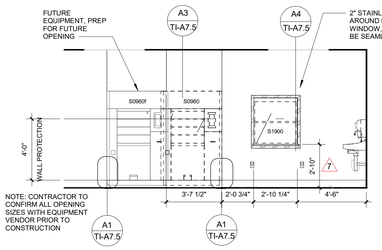
C6 175 - WOMENS LOCKER ROOM SINK
1/4" = 1'-0"

175	
BASE CABINETS	PLAM- 1
WALL CABINETS	-
COUNTERTOPS	SSF-1
SINKS	IS-1



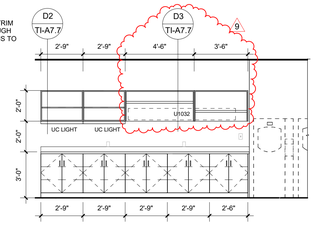
C5 172 - NEPTUNE WEST
1/4" = 1'-0"

172	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



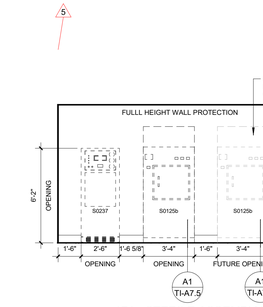
C4 171 - STERILE ASSEMBLY, SOUTH
1/4" = 1'-0"

171	
BASE CABINETS	SST
WALL CABINETS	SST
COUNTERTOPS	SST
SINKS	SST



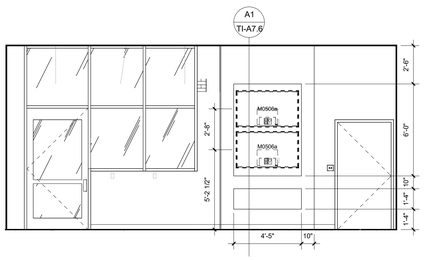
C3 171 - STERILE ASSEMBLY, NORTH
1/4" = 1'-0"

171	
BASE CABINETS	SST
WALL CABINETS	SST
COUNTERTOPS	SST
SINKS	SST



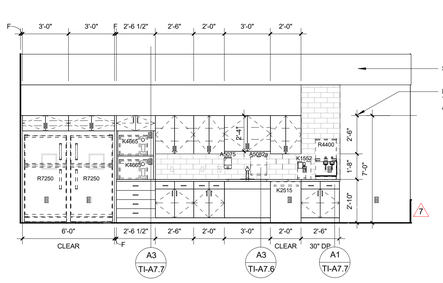
C1 171 - STERILE ASSEMBLY, EAST
1/4" = 1'-0"

171	
BASE CABINETS	SST
WALL CABINETS	SST
COUNTERTOPS	SST
SINKS	SST



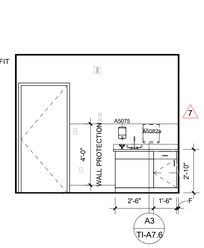
B6 166 - STAFF LOUNGE, EAST
1/4" = 1'-0"

166	
BASE CABINETS	PLAM- 1
WALL CABINETS	PLAM- 1
COUNTERTOPS	SSF- 1
SINKS	IS- 2



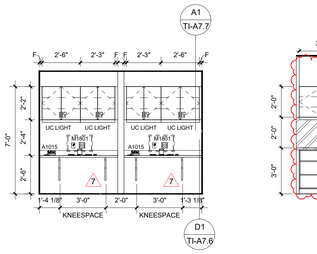
B5 166 - STAFF LOUNGE, WEST
1/4" = 1'-0"

166	
BASE CABINETS	PLAM- 1
WALL CABINETS	PLAM- 1
COUNTERTOPS	SSF- 1
SINKS	IS- 2



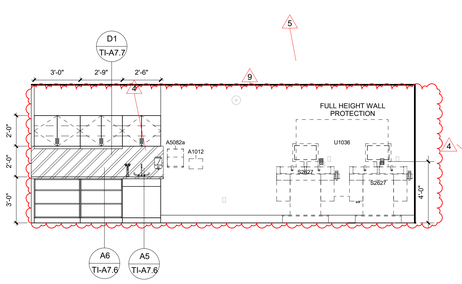
B4 164 - SOILED WORKROOM, EAST
1/4" = 1'-0"

164	
BASE CABINETS	PLAM- 1
WALL CABINETS	-
COUNTERTOPS	SSF- 1
SINKS	IS- 3



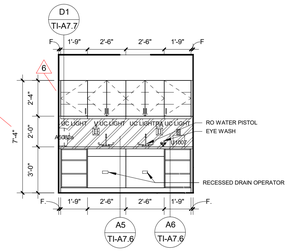
B3 162 - DICTATION, WEST
1/4" = 1'-0"

162	
BASE CABINETS	-
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	-



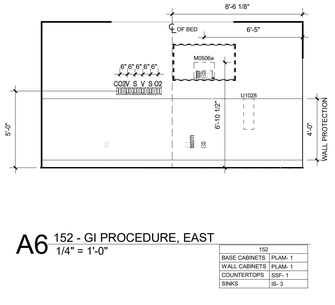
B2 155 - SCOPE REPROCESSING, SOUTH
1/4" = 1'-0"

155	
BASE CABINETS	SST
WALL CABINETS	SST
COUNTERTOPS	SST
SINKS	SST



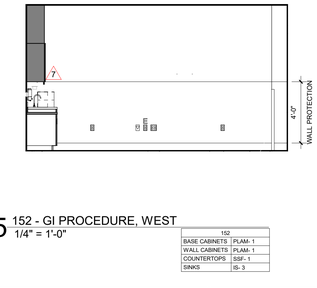
B1 153 - SCOPE DECON, SOUTH
1/4" = 1'-0"

153	
BASE CABINETS	SST
WALL CABINETS	SST
COUNTERTOPS	SST
SINKS	SST



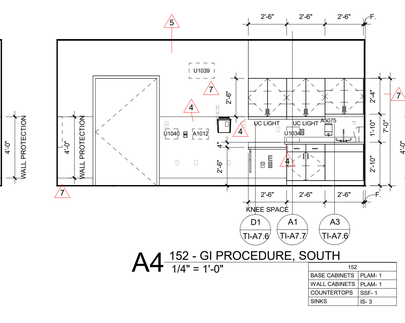
A6 152 - GI PROCEDURE, EAST
1/4" = 1'-0"

152	
BASE CABINETS	PLAM- 1
WALL CABINETS	PLAM- 1
COUNTERTOPS	SSF- 1
SINKS	IS- 3



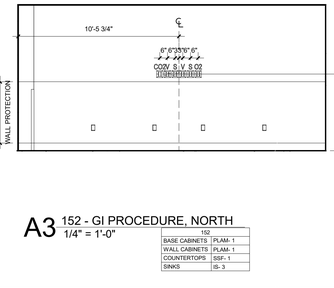
A5 152 - GI PROCEDURE, WEST
1/4" = 1'-0"

152	
BASE CABINETS	PLAM- 1
WALL CABINETS	PLAM- 1
COUNTERTOPS	SSF- 1
SINKS	IS- 3



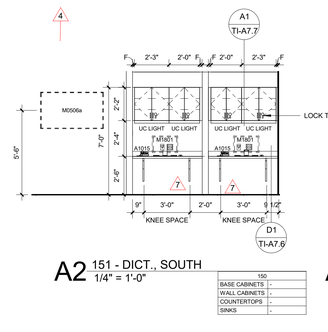
A4 152 - GI PROCEDURE, SOUTH
1/4" = 1'-0"

152	
BASE CABINETS	PLAM- 1
WALL CABINETS	PLAM- 1
COUNTERTOPS	SSF- 1
SINKS	IS- 3



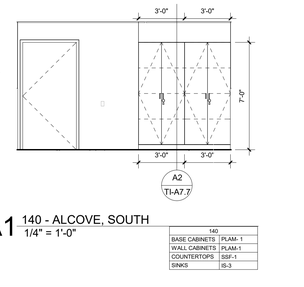
A3 152 - GI PROCEDURE, NORTH
1/4" = 1'-0"

152	
BASE CABINETS	PLAM- 1
WALL CABINETS	PLAM- 1
COUNTERTOPS	SSF- 1
SINKS	IS- 3



A2 151 - DICT., SOUTH
1/4" = 1'-0"

150	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



A1 140 - ALCOVE, SOUTH
1/4" = 1'-0"

140	
BASE CABINETS	PLAM- 1
WALL CABINETS	PLAM-1
COUNTERTOPS	SSF-1
SINKS	IS-3

BIM 360://3-22030 HCA LSMC ASC/3-22030 HCA LSMC_Arch_R21.rvt

STATE OF MISSOURI
SAMUEL K. BECKMAN
NUMBER A-2011012130
ARCHITECT
2/8/2023
Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI
BOLAND
ARCHITECTS
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600

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

CIVIL CONSULTANT
BHC
7101 College Blvd. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
Branch Pattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	02/08/23
Job Number	3-22030
Drawn By	Author
Checked By	Checker

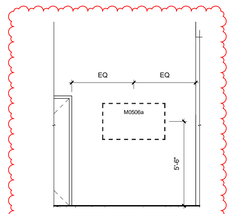
Revision

Number	Date	Description
4	10/05/23	ASI 1
5	11/8/23	ASI 2
6	12/7/23	ASI 3
7	2/7/24	ASI 4
9	4/29/24	ASI 6

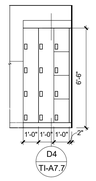
TI-A7.3

© 2022 ACI/BOLAND, Inc

INTERIOR ELEVATIONS

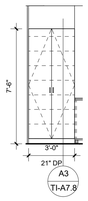


C6 100 - WAITING, MONITOR
1/4" = 1'-0"

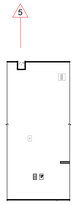


C5 119 - ALCOVE, LOCKERS
1/4" = 1'-0"

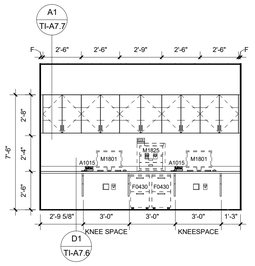
119	
BASE CABINETS	-
WALL CABINETS	PLAM-1
COUNTERTOPS	-
SINKS	-



C4 SCRUB CABINET WITH SHELVES
1/4" = 1'-0"

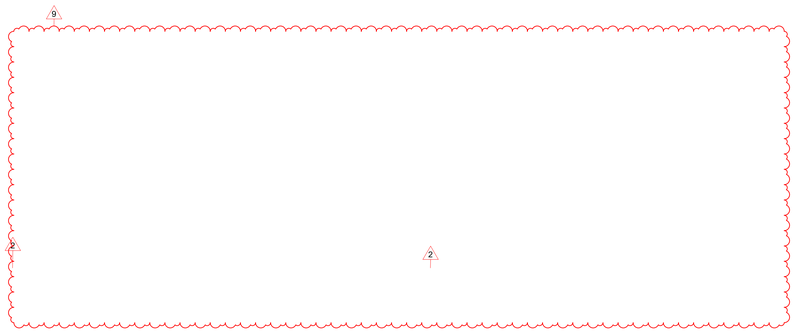


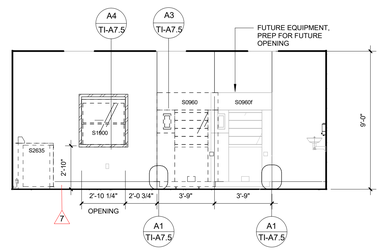
C3 104 - CHECK-IN, WEST
1/4" = 1'-0"



C2 192 - RECEIVING WORK STATION
1/4" = 1'-0"

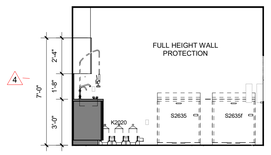
192	
BASE CABINETS	-
WALL CABINETS	PLAM- 1
COUNTERTOPS	SSF-1
SINKS	-





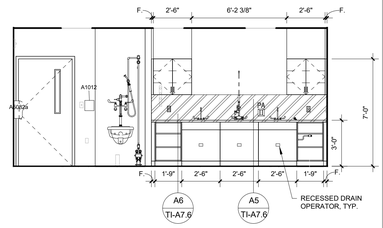
B3 182 - SPD DECON, NORTH
1/4" = 1'-0"

182	
BASE CABINETS	SST
WALL CABINETS	SST
COUNTERTOPS	SST
SINKS	SST



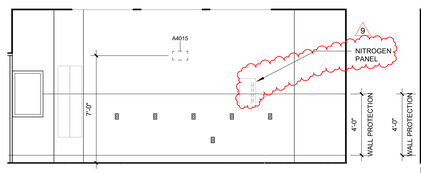
B2 182 - SPD DECON, WEST
1/4" = 1'-0"

182	
BASE CABINETS	SST
WALL CABINETS	SST
COUNTERTOPS	SST
SINKS	SST



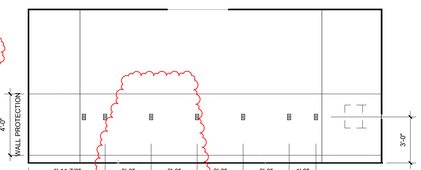
B1 182 - SPD DECON, SOUTH
1/4" = 1'-0"

182	
BASE CABINETS	SST
WALL CABINETS	SST
COUNTERTOPS	SST
SINKS	SST



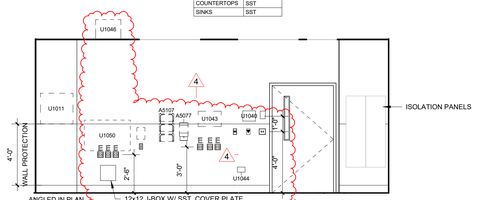
A5 181 - TYP. OR EAST
1/4" = 1'-0"

181	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



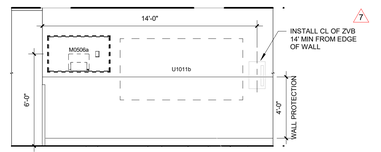
A4 181 - TYP. OR SOUTH
1/4" = 1'-0"

181	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



A3 181 - TYP. OR NORTH
1/4" = 1'-0"

181	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-



A1 180 - HALL, NORTH
1/4" = 1'-0"

180	
BASE CABINETS	-
WALL CABINETS	-
COUNTERTOPS	-
SINKS	-

STATE OF MISSOURI
SAMUEL K. BECKMAN
NUMBER A-2011012130
ARCHITECT
2/8/2023
Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600

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

CIVIL CONSULTANT
BHC
7101 College Blvd. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
Branch Pattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	02/08/23
Job Number	3-22030
Drawn By	Author
Checked By	Checker

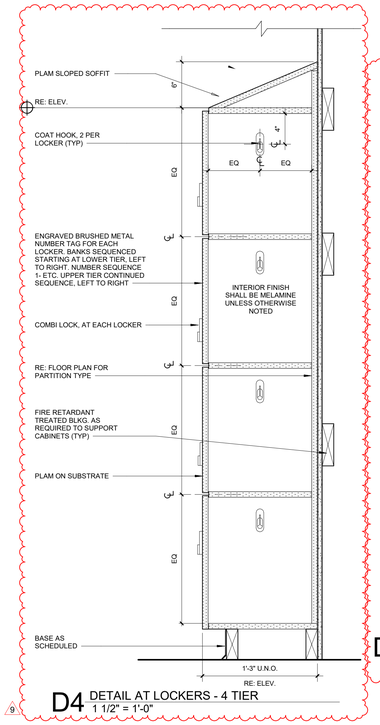
Revision

Number	Date	Description
2	2/20/23	Addendum #2
4	10/05/23	ASI 1
5	11/8/23	ASI 2
7	2/7/24	ASI 4
9	4/29/24	ASI 6

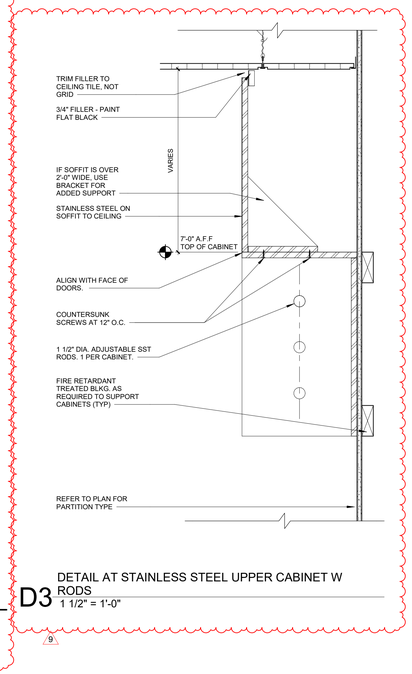
TI-A7.4

© 2022 ACI/BOLAND, Inc

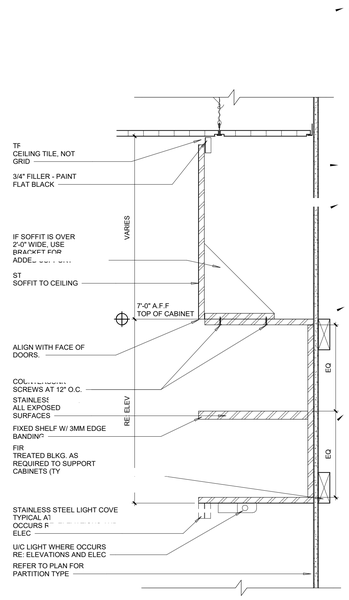
INTERIOR ELEVATIONS



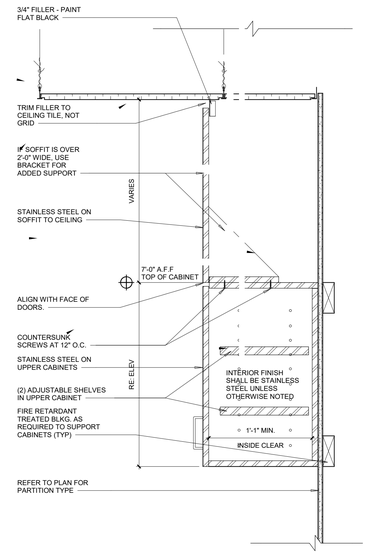
D4 DETAIL AT LOCKERS - 4 TIER
1 1/2" = 1'-0"



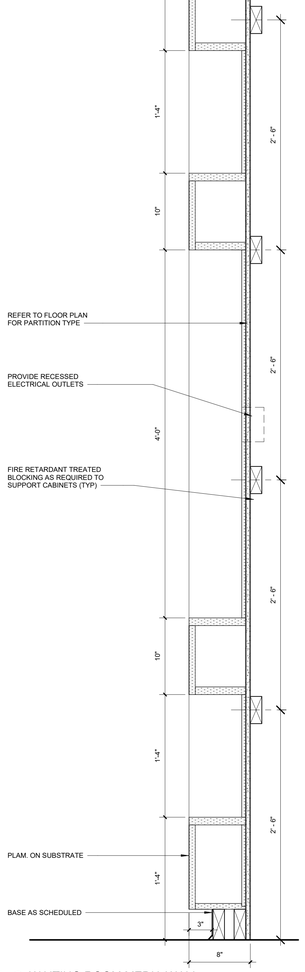
D3 DETAIL AT STAINLESS STEEL UPPER CABINET W RODS
1 1/2" = 1'-0"



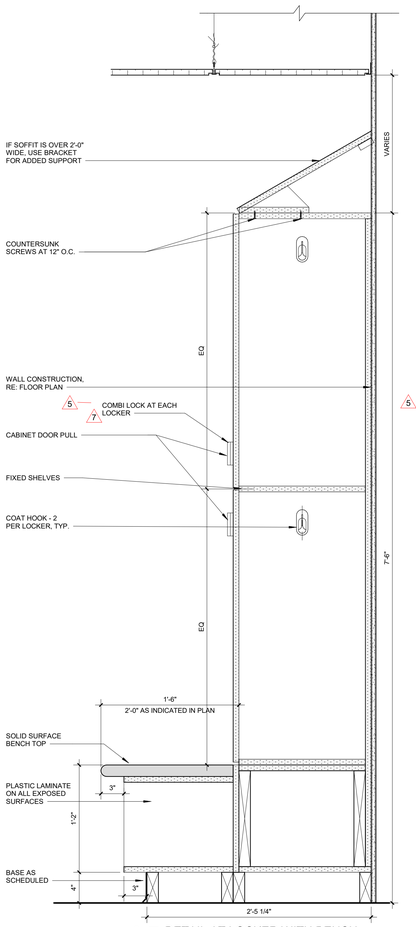
D2 DETAIL AT STAINLESS STEEL OPEN UPPER CABINET
1 1/2" = 1'-0"



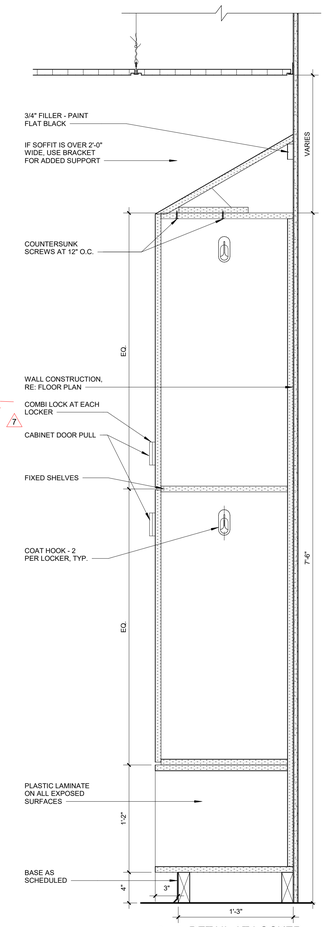
D1 DETAIL AT STAINLESS STEEL UPPER CASEWORK
1 1/2" = 1'-0"



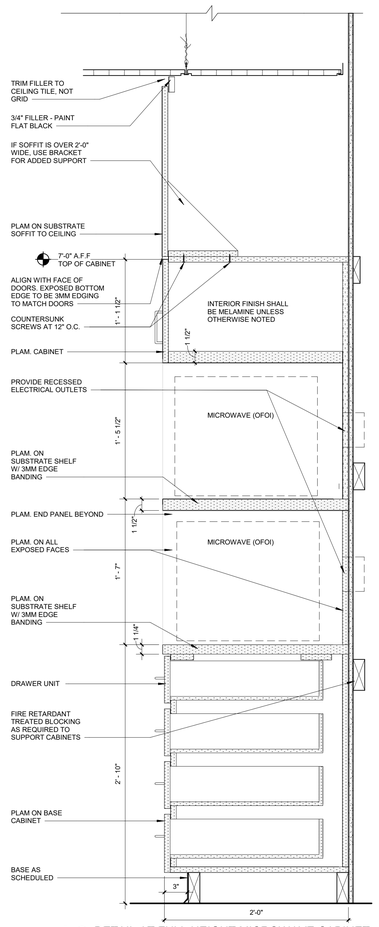
A6 WAITING ROOM MEDIA WALL
1 1/2" = 1'-0"



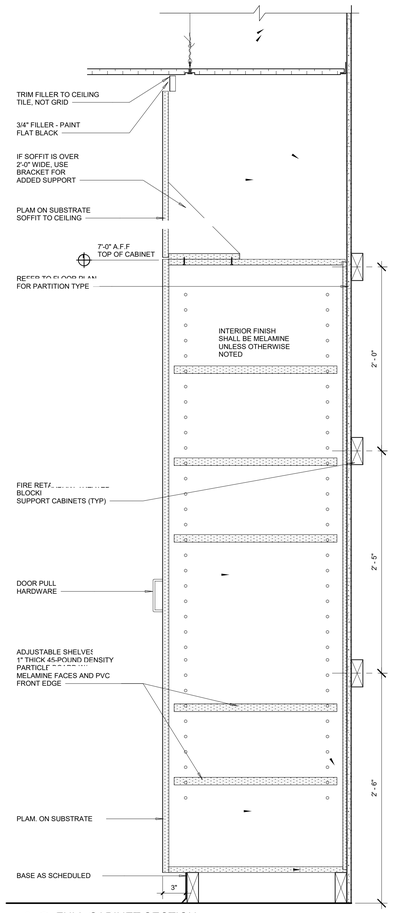
A5 DETAIL AT LOCKER WITH BENCH
1 1/2" = 1'-0"



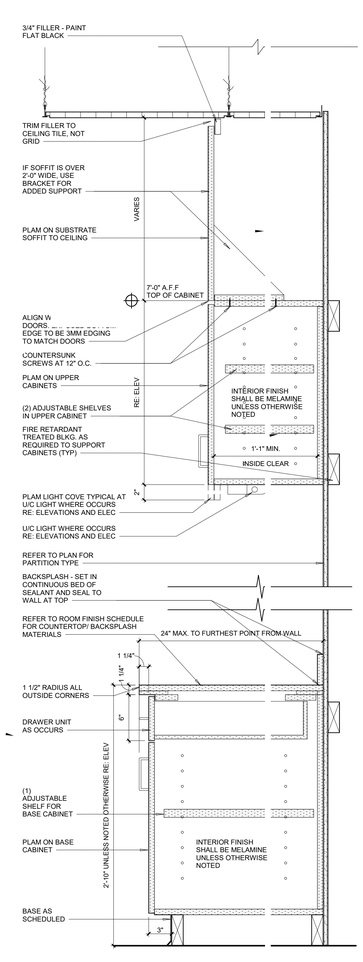
A4 DETAIL AT LOCKER
1 1/2" = 1'-0"



A3 DETAIL AT FULL HEIGHT MICROWAVE CABINET
1 1/2" = 1'-0"



A2 FULL CABINET SECTION
1 1/2" = 1'-0"



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

Samuel K. Beckman - Architect
License - Missouri #A-2011012130
2/8/2023

ACI BOLAND ARCHITECTS
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600

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

CIVIL CONSULTANT
BHC
7101 College Blvd. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
Branch Pattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	02/08/23
Job Number	3-22030
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description
5	11/8/23	ASI 2
7	2/7/24	ASI 4
9	4/29/24	ASI 6

TI-A7.7

© 2022 ACI/BOLAND, Inc

INTERIOR DETAILS

4/29/2024 8:52:12 PM

BIM 360://3-22030 HCA LSMC ASC/BP - HCA LSMC_MEP_R21.rvt

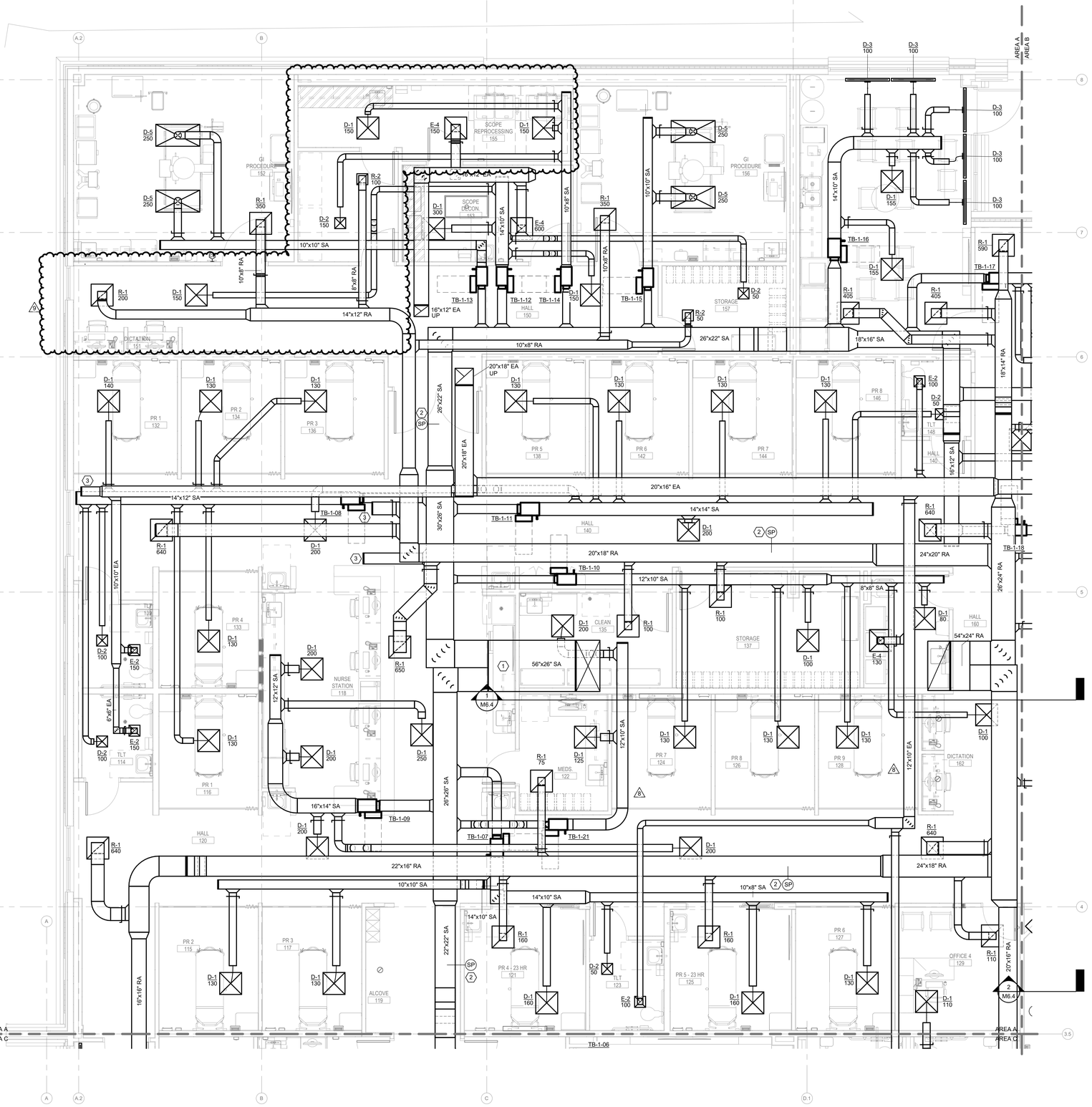
BranchPattern | www.branchpattern.com PROJECT NUMBER 1201002 BETTER BUILT ENVIRONMENTS

GENERAL NOTES (THIS SHEET)

1. SEE SHEET M0.1 FOR LEGENDS AND ADDITIONAL GENERAL NOTES.

KEY NOTES (X) (THIS SHEET)

1. WRAP FIRST 20 FT OF DUCT DOWNSTREAM OF AHU WITH 2 PSF VINYL LAGGING WITH 1" INTEGRAL FIBERGLASS. PRODUCT EQUAL TO SOUND SEAL B-20 LAG.
2. PLACE DUCT STATIC PRESSURE SENSOR 2/3s DOWN THE SYSTEM.
3. TAP OFF MAIN AND CAP FOR FUTURE USE.



1 FIRST FLOOR HVAC PLAN - AREA A

SCALE: 1/4" = 1'-0"

0' 2' 4' 8'

KEYPLAN

STATE OF MISSOURI
RICKI MANKTALA
04/30/2024
NUMBER PE-2009000026
PROFESSIONAL ENGINEER

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. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT

Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT

BranchPattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	2/8/2023
Job Number	3-22030
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description
8	2/7/24	ASI #4
9	4/29/24	ASI #6

M1.1A

© 2022 ACI/BOLAND, Inc

FIRST FLOOR HVAC PLAN - AREA A

BranchPattern | www.branchpattern.com PROJECT NUMBER 1201002 BETTER BUILT ENVIRONMENTS

KEY NOTES (X) (THIS SHEET)

1. ALL TOILET ROOMS SHALL BE BALANCED TO (-50) CFM NEGATIVE.
2. PROVIDE ROOM PRESSURE MONITORING STATION. SIGNALS TO BE TIED INTO BAS. COORDINATE LOCATION & ELEVATION WITH ARCHITECT.
3. BALANCE CONTRACTOR TO BALANCE THIS SPACE TO POSITIVE RELATIVE TO CORRIDOR AND DECONTAMINATION ROOM. SUPPLY SYSTEM HAS BEEN SIZED TO HANDLE UP TO 2100 CFM. INCREASE SUPPLY AIR AS NECESSARY TO ACHIEVE POSITIVE SPACE PRESSURE. FINAL CFM SHALL NOT BE BALANCED LOWER THAN LISTED MINIMUM SUPPLY CFM.
4. BALANCE CONTRACTOR TO BALANCE THIS SPACE NEGATIVE RELATIVE TO CORRIDOR AND STERILE PROCESSING. EXHAUST SYSTEM HAS BEEN SIZED TO HANDLE UP TO 2200 CFM. INCREASE EXHAUST AIR AS NECESSARY TO ACHIEVE NEGATIVE SPACE PRESSURE. FINAL CFM SHALL NOT BE BALANCED LOWER THAN LISTED MINIMUM EXHAUST CFM.
5. BALANCE CONTRACTOR TO BALANCE SCOPE DECONTAMINATION ROOM NEGATIVE RELATIVE TO ENDOSCOPY PROCEDURE ROOMS AND SCOPE REPROCESSING ROOM. EXHAUST SYSTEM HAS BEEN SIZED TO HANDLE UP TO 1100 CFM. INCREASE EXHAUST AIR AS NECESSARY TO ACHIEVE NEGATIVE SPACE PRESSURE. FINAL CFM SHALL NOT BE BALANCED LOWER THAN LISTED MINIMUM EXHAUST CFM.
6. RETURN AIR IN STERILE CORRIDOR SHALL BE BALANCED TO MAINTAIN POSITIVE PRESSURE RELATIONSHIP TO PACU CORRIDORS.
7. BALANCE CONTRACTOR IS ABLE TO MODIFY RETURN CFM LISTED IN ORDER TO ACHIEVE POSITIVE PRESSURE RELATIONSHIP TO ADJACENT SPACES. NOTE: STERILE CORRIDOR MUST BE POSITIVE RELATIVE TO PACU CORRIDOR.

PATIENT CORRIDOR AIR BALANCE

SUPPLY MAX: 3,350 CFM
RETURN MAX: 3,150 CFM
DIFFERENTIAL: (+200 CFM)
ROOM PRESSURE: POS.

SCOPE DECON 153 AIR BALANCE (5)

SUPPLY MAX: 300 CFM
EXHAUST MAX: -750 CFM

SUPPLY MIN: 300 CFM
EXHAUST MIN: -600 CFM

TRANSFER TO SCOPE DECON 175: -50 CFM

DIFFERENTIAL: (-300 CFM)
ROOM PRESSURE: NEG.

SCOPE PROCESSING 155 AIR BALANCE

SUPPLY MAX: 300 CFM
EXHAUST MAX: -150 CFM

SUPPLY MIN: 300 CFM
EXHAUST MIN: -50 CFM

TRANSFER TO SCOPE DECON 175: -150 CFM
TRANSFER FROM SCOPE STORAGE 154: +50 CFM

DIFFERENTIAL: (+150 CFM)
ROOM PRESSURE: POS.

CLEAN LINEN 167 AIR BALANCE

SUPPLY MAX: 110 CFM
RETURN MAX: 60 CFM
DIFFERENTIAL: (+100 CFM)
ROOM PRESSURE: POS.

ANEST. WORKROOM 178 AIR BALANCE

SUPPLY MAX: 100 CFM
EXHAUST MAX: 150 CFM
DIFFERENTIAL: (-50 CFM)
ROOM PRESSURE: NEG.

JAN 169 AIR BALANCE

SUPPLY MAX: 60 CFM
EXHAUST MAX: 110 CFM
DIFFERENTIAL: (-50 CFM)
ROOM PRESSURE: NEG.

LOCKER ROOMS (TYP BOTH) AIR BALANCE

SUPPLY MAX: 300 CFM
EXHAUST MAX: 500 CFM
DIFFERENTIAL: (-200 CFM)
ROOM PRESSURE: NEG.

DECON 182 ROOM AIR BALANCE (4)

SUPPLY MAX: 710 CFM
EXHAUST MAX: -1210 CFM

SUPPLY MIN: 710 CFM
EXHAUST MIN: -1460 CFM

TRANSFER FROM STERILE ASSEMBLY 194: +400 CFM

DIFFERENTIAL: (-500 CFM)
ROOM PRESSURE: -0.01" (NEG.)

STERILE ASSEMBLY 171 ROOM AIR BALANCE (3)

SUPPLY MAX: 2100 CFM
EXHAUST MAX: -1030 CFM

SUPPLY MIN: 1690 CFM
EXHAUST MIN: -1030 CFM

TRANSFER TO DECON 196: -400 CFM
TRANSFER TO STERLIZERS 192: -100 CFM

DIFFERENTIAL: +660 CFM
ROOM PRESSURE: +0.01" (POS.)

TRASH 191 AIR BALANCE

SUPPLY MAX: 130 CFM
RETURN MAX: 180 CFM
DIFFERENTIAL: (-50 CFM)
ROOM PRESSURE: NEG.

SOILED 164 AIR BALANCE

SUPPLY MAX: 130 CFM
RETURN MAX: 180 CFM
DIFFERENTIAL: (-50 CFM)
ROOM PRESSURE: NEG.

STERILIZERS 184 ROOM AIR BALANCE

SUPPLY MAX: 750 CFM
EXHAUST MAX: -1000 CFM

SUPPLY MIN: 750 CFM
EXHAUST MIN: -1000 CFM

TRANSFER FROM STERLIZERS 192: +100 CFM
TRANSFER FROM HALLWAY: +100 CFM

DIFFERENTIAL: (-250 CFM)
ROOM PRESSURE: -0.01" (NEG.)

OR 1 181 ROOM AIR BALANCE

SUPPLY MAX: 2160 CFM
RETURN MAX: 1960 CFM
DIFFERENTIAL: +200 CFM
ROOM PRESSURE: +0.02" (POS.)

UNOCCUPIED SETPOINTS
SUPPLY MIN: 1000 CFM
RETURN MIN: 800 CFM

OR 2 183 ROOM AIR BALANCE

SUPPLY MAX: 1980 CFM
RETURN MAX: 1780 CFM
DIFFERENTIAL: +200 CFM
ROOM PRESSURE: +0.02" (POS.)

UNOCCUPIED SETPOINTS
SUPPLY MIN: 1000 CFM
RETURN MIN: 800 CFM

OR 3 185 ROOM AIR BALANCE

SUPPLY MAX: 1980 CFM
RETURN MAX: 1780 CFM
DIFFERENTIAL: +200 CFM
ROOM PRESSURE: +0.02" (POS.)

UNOCCUPIED SETPOINTS
SUPPLY MIN: 1000 CFM
RETURN MIN: 800 CFM

CLEAN 135 AIR BALANCE

SUPPLY MAX: 200 CFM
RETURN MAX: 100 CFM
DIFFERENTIAL: (+100 CFM)
ROOM PRESSURE: POS.

MEDICATION 122 AIR BALANCE

SUPPLY MAX: 125 CFM
RETURN MAX: 75 CFM
DIFFERENTIAL: (+50 CFM)
ROOM PRESSURE: POS.

NEPTUNE 172 AIR BALANCE

SUPPLY MAX: 80 CFM
EXHAUST MAX: 130 CFM
DIFFERENTIAL: (-50 CFM)
ROOM PRESSURE: NEG.

SOILED 174 AIR BALANCE

SUPPLY MAX: 100 CFM
RETURN MAX: 150 CFM
DIFFERENTIAL: (-50 CFM)
ROOM PRESSURE: NEG.

JAN 173 AIR BALANCE

SUPPLY MAX: 70 CFM
EXHAUST MAX: 120 CFM
DIFFERENTIAL: (-50 CFM)
ROOM PRESSURE: NEG.

STERILE CORRIDOR ROOM AIR BALANCE (7)

SUPPLY MAX: 1200 CFM
RETURN MAX: 1800 CFM

TRANSFER TO STERILE CORRIDOR: +1300 CFM
TRANSFER FROM STERILE CORRIDOR: -600 CFM

DIFFERENTIAL: 0 CFM
ROOM PRESSURE: NEUTRAL

1 FIRST FLOOR HVAC ROOM PRESSURIZATION PLAN

SCALE: 1/8" = 1'-0"

0' 4' 8' 16'

STATE OF MISSOURI
RICKI MANKTALA
04/30/2024
NUMBER PE-2009000026
PROFESSIONAL ENGINEER

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. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

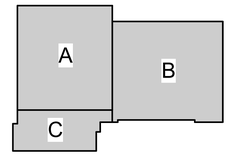
MEP CONSULTANT
BranchPattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	2/8/2023
Job Number	3-22030
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description
5	11/8/23	ASI #2
9	4/29/24	ASI #6



KEYPLAN

M1.2

© 2022 ACI/BOLAND, Inc

FIRST FLOOR HVAC ROOM PRESSURIZATION PLAN - OVERALL

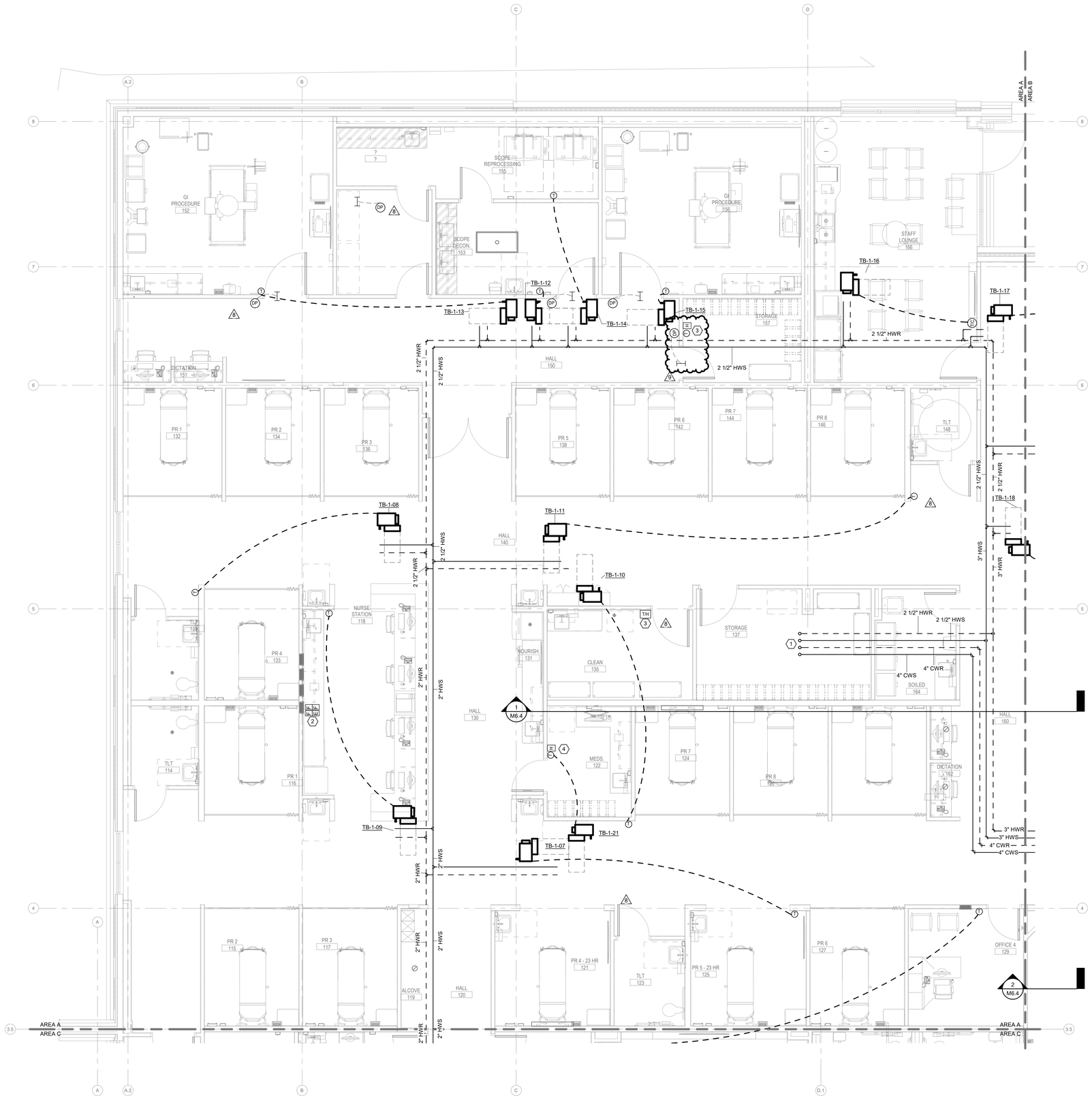
BranchPattern | www.branchpattern.com PROJECT NUMBER: 1201002 BETTER BUILT ENVIRONMENTS

GENERAL NOTES (THIS SHEET)

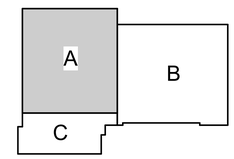
1. SEE SHEET M0.1 FOR LEGENDS AND ADDITIONAL GENERAL NOTES.

KEY NOTES (X) (THIS SHEET)

1. 2-1/2" HWS, 2-1/2" HWR, 4" CWS, 4" CWR UP TO AHU-1.
2. STATUS/ALARM PANEL FOR AIR HANDLING UNITS. SWITCHES TO BE IN DIRECT VIEW OF NURSE'S STATION. EPO SWITCH TO CUT POWER TO ASSOCIATED AHU FANS.
3. PROVIDE TEMPERATURE & HUMIDITY SENSOR FOR LOCAL MONITORING ONLY.
4. PROVIDE HUMIDITY SENSOR FOR LOCAL MONITORING ONLY.



1 FIRST FLOOR HYDRONIC PLAN - AREA A
SCALE: 1/4" = 1'-0"



STATE OF MISSOURI RICKI MANKTALA 04/30/2024 NUMBER PE-2009000026 PROFESSIONAL ENGINEER

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. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT

Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT

BranchPattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	2/8/2023
Job Number	3-22030
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description
8	2/7/24	ASI #4
9	4/29/24	ASI #6

M2.1A

© 2022 ACI/BOLAND, Inc

FIRST FLOOR HYDRONIC PLAN - AREA A

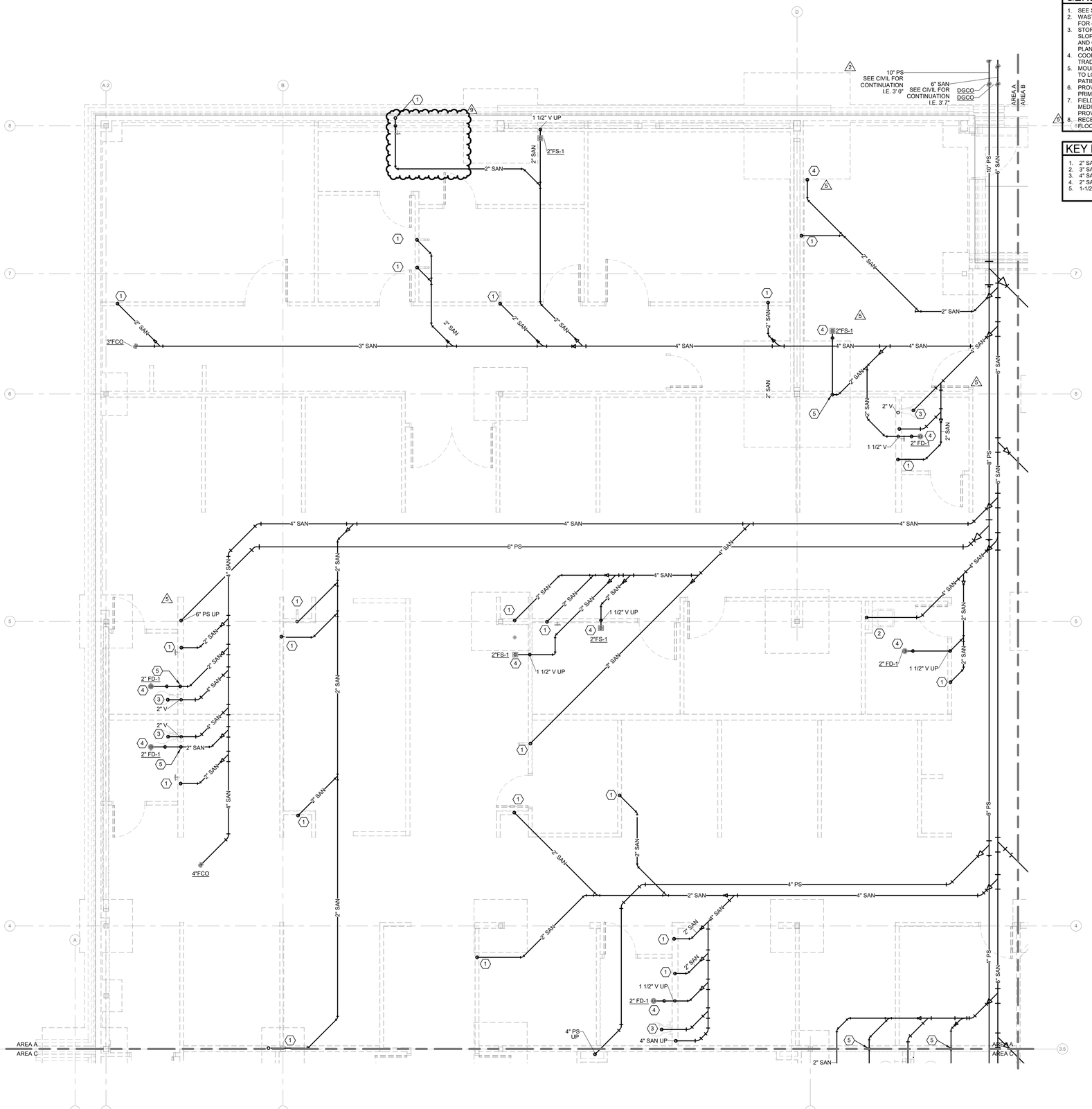
BranchPattern | www.branchpattern.com PROJECT NUMBER: 1201002 BETTER BUILT ENVIRONMENTS

GENERAL NOTES (THIS SHEET)

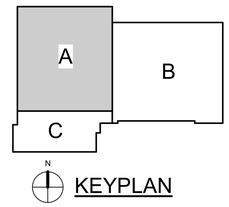
1. SEE SHEET P0.1 FOR PLUMBING GENERAL NOTES AND LEGEND.
2. WASTE PIPING SHALL BE ROUTED AT A SLOPE OF 1/8" PER FOOT FOR 4" AND LARGER AND 1/4" PER FOOT OF 3" OR SMALLER.
3. STORM AND STORM OVERFLOW PIPING SHALL BE ROUTED AT A SLOPE OF 1/8" PER FOOT. PROVIDE CLEANOUTS IN BASE OF STACKS AND COORDINATE DRAIN LOCATIONS WITH ARCHITECTURAL FLOOR PLANS.
4. COORDINATE ROUTING OF PLUMBING SYSTEMS WITH ALL OTHER TRADES.
5. MOUNT ALL VALVES IN ACCESSIBLE LOCATIONS. GIVE PREFERENCE TO LOCATIONS IN CORRIDORS, AREAS THAT WILL NOT IMPACT PATIENT CARE (IE STORAGE SPACE), AND ABOVE ACT CEILINGS.
6. PROVIDE ALL FLOOR DRAINS AND FLOOR SINKS WITH TRAP PRIMERS.
7. FIELD COORDINATE CONNECTION REQUIREMENTS FOR ALL MEDICAL, HVAC, AND LIKE EQUIPMENT, EITHER FURNISHED OR PROVIDED BY OTHERS.
8. RECESS FLOOR SINK 0.25"-0.375" TO PREVENT WATER POOLING ON FLOOR.

KEY NOTES (X) (THIS SHEET)

1. 2" SAN UP TO LAVATORY/SINK.
2. 3" SAN UP TO CLINICAL SERVICE SINK.
3. 4" SAN UP TO WATER CLOSET.
4. 2" SAN UP.
5. 1-1/2" V UP.



1 UNDERSLAB PLUMBING PLAN - AREA A
SCALE: 1/4" = 1'-0"



KEYPLAN

RICKI MANKTALA 04/30/2024 NUMBER PE-2009000026 PROFESSIONAL ENGINEER STATE OF MISSOURI

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. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT

Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT

BranchPattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	2/8/2023
Job Number	3-22030
Drawn By	CG
Checked By	AB, RC, MG

Revision

Number	Date	Description
2	2/20/23	ADDENDUM #2
5	11/8/23	ASI #2
9	4/29/24	ASI #6

P1.0A

© 2022 ACI/BOLAND, Inc

UNDERSLAB PLUMBING PLAN - AREA A

4/29/2024 8:52:39 PM

BIM 360://3-22030 HCA LSMC ASC/BP - HCA LSMC_MEP_R21.rvt

BranchPattern | www.branchpattern.com PROJECT NUMBER 1201002 BETTER BUILT ENVIRONMENTS

GENERAL NOTES (THIS SHEET)

1. SEE SHEET P0.1 FOR PLUMBING GENERAL NOTES AND LEGEND.
2. WASTE PIPING SHALL BE ROUTED AT A SLOPE OF 1/8" PER FOOT FOR 4" AND LARGER AND 1/4" PER FOOT OF 3" OR SMALLER.
3. STORM AND STORM OVERFLOW PIPING SHALL BE ROUTED AT A SLOPE OF 1/8" PER FOOT. PROVIDE CLEANOUTS IN BASE OF STACKS AND COORDINATE DRAIN LOCATIONS WITH ARCHITECTURAL FLOOR PLANS.
4. COORDINATE ROUTING OF PLUMBING SYSTEMS WITH ALL OTHER TRADES.
5. MOUNT ALL VALVES IN ACCESSIBLE LOCATIONS. GIVE PREFERENCE TO LOCATIONS IN CORRIDORS. AREAS THAT WILL NOT IMPACT PATIENT CARE (IE STORAGE SPACE), AND LIKE EQUIPMENT, EITHER FURNISHED OR PROVIDED BY OTHERS.
6. PROVIDE ALL FLOOR DRAINS AND FLOOR SINKS WITH TRAP PRIMERS.
7. FIELD COORDINATE CONNECTION REQUIREMENTS FOR ALL MEDICAL, HVAC, AND LIKE EQUIPMENT, EITHER FURNISHED OR PROVIDED BY OTHERS.
8. RECESS FLOOR SINK 0.25"-0.375" TO PREVENT WATER POOLING ON FLOOR.

KEY NOTES (X) (THIS SHEET)

1. 4" PS UP TO RD ON ROOF. 4" SS UP TO OD ON ROOF.
2. 6" PS UP TO RD ON ROOF. 6" SS UP TO OD ON ROOF.
3. DRAIN TUBING FROM RHB ON ROOF ABOVE. ROUTE DRAIN TUBING DOWN IN LAVATORY WALL AND CONNECT TO LAVATORY TAIL PIECE.
4. REFER TO DETAIL 8 ON P5.3 FOR HUMIDIFIER PIPING LAYOUT.
5. DROP SANITARY FROM FIXTURE THROUGH BOTTOM OF CASEWORK AND NOT IN WALL TO AVOID GRADE BEAM BELOW WALL STRUCTURE IN THIS LOCATION.
6. ROUTE 3/4" CD FROM SS-1 DOWN WALL TO NEAREST SINK TAIL PIECE.
7. ALL SANITARY AND STORM STACKS SHALL HAVE A WCO 18"AFF BEFORE GOING UNDERSLAB.

1 FIRST FLOOR DRAIN AND VENT PLAN - AREA A

SCALE: 1/4" = 1'-0"

0' 2' 4' 8'

KEYPLAN

STATE OF MISSOURI
RICKI MANIKOLA
04/30/2024
NUMBER PE-2009000026
PROFESSIONAL ENGINEER

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. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
BranchPattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	2/8/2023
Job Number	3-22030
Drawn By	CG
Checked By	Checker

Revision

Number	Date	Description
5	11/8/23	ASI #2
9	4/29/24	ASI #6

P1.1A

© 2022 ACI/BOLAND, Inc

FIRST FLOOR DRAIN & VENT PLAN - AREA A

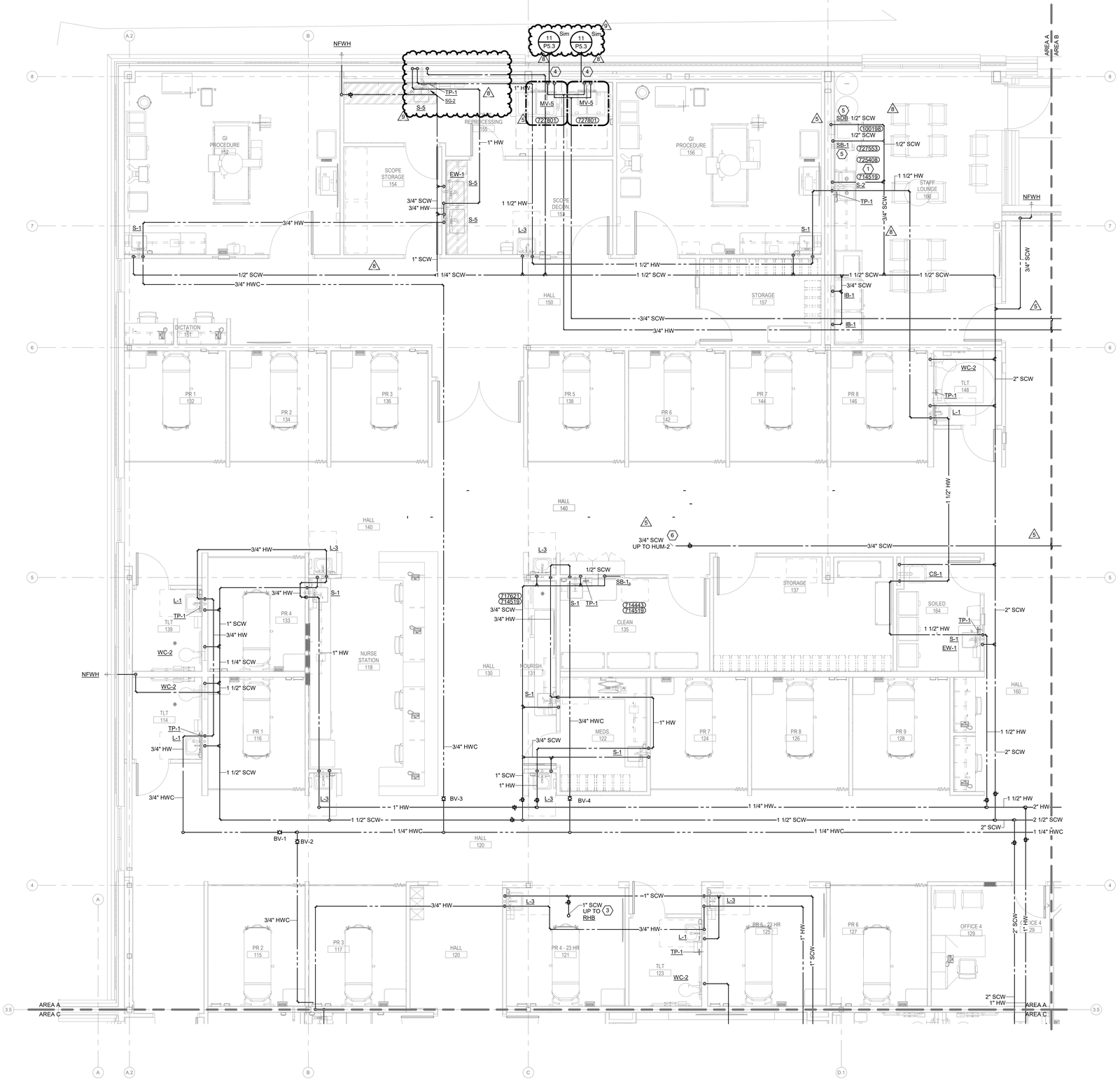
BranchPattern | www.branchpattern.com PROJECT NUMBER 1201002 BETTER BUILT ENVIRONMENTS

GENERAL NOTES (THIS SHEET)

1. SEE SHEET P0.1 FOR PLUMBING GENERAL NOTES AND LEGEND.
2. REFER TO PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION AND FIXTURE CONNECTION SIZES.
3. COORDINATE ROUTING OF PLUMBING SYSTEMS WITH ALL OTHER TRADES.
4. MOUNT ALL VALVES IN ACCESSIBLE LOCATIONS. GIVE PREFERENCE TO LOCATIONS IN CORRIDORS. AREAS THAT WILL NOT IMPACT PATIENT CARE (IE STORAGE SPACE), AND ABOVE ACT CEILINGS.
5. PIPING DROPS TO FIXTURES ON EXTERIOR WALL SHALL BE ROUTED ON WARM SIDE OF INSULATION TO PROTECT FROM FREEZING.
6. FIELD COORDINATE CONNECTION REQUIREMENTS FOR ALL MEDICAL, HVAC, AND LIKE EQUIPMENT, EITHER FURNISHED OR PROVIDED BY OTHERS.

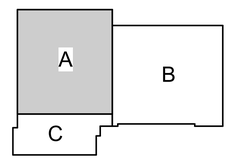
KEY NOTES (X) (THIS SHEET)

1. INSTALL WALL BOX UNDER SINK WITHIN CABINETRY. INSTALL STAINLESS STEEL, DOUBLE PITCHED DRAIN PAN BELOW FILTER AND PROVIDE 1" DRAIN CONNECTED TO SINK TAILPIECE.
2. PROVIDE HEAT TRACE ON SCW PIPING SERVING HUMIDIFIERS EQUAL TO RAYCHEM XL-TRACE EDGE.
3. 1" SCW SUPPLY UP TO RHB ON ROOF ABOVE. PROVIDE SHUTOFF VALVE IN BRANCH FOR SEASONAL SHUTOFF.
4. PROVIDE TEMPERATURE AND PRESSURE GAUGES ON WATER PIPING SERVING MEDIVATORS. SEE ALL REQUIRED ACCESSORIES AND FULL INSTALLATION DETAIL ON P5.3.
5. INSTALL ALL WATER CONNECTIONS BELOW COUNTER.



1 FIRST FLOOR WATER AND GAS PLAN - AREA A
SCALE: 1/4" = 1'-0"

0' 2' 4' 8'



KEYPLAN

STATE OF MISSOURI
RICKI MANKTALA
04/30/2024
NUMBER PE-2009000026
PROFESSIONAL ENGINEER

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. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
BranchPattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	2/8/2023
Job Number	3-22030
Drawn By	Author
Checked By	Checker

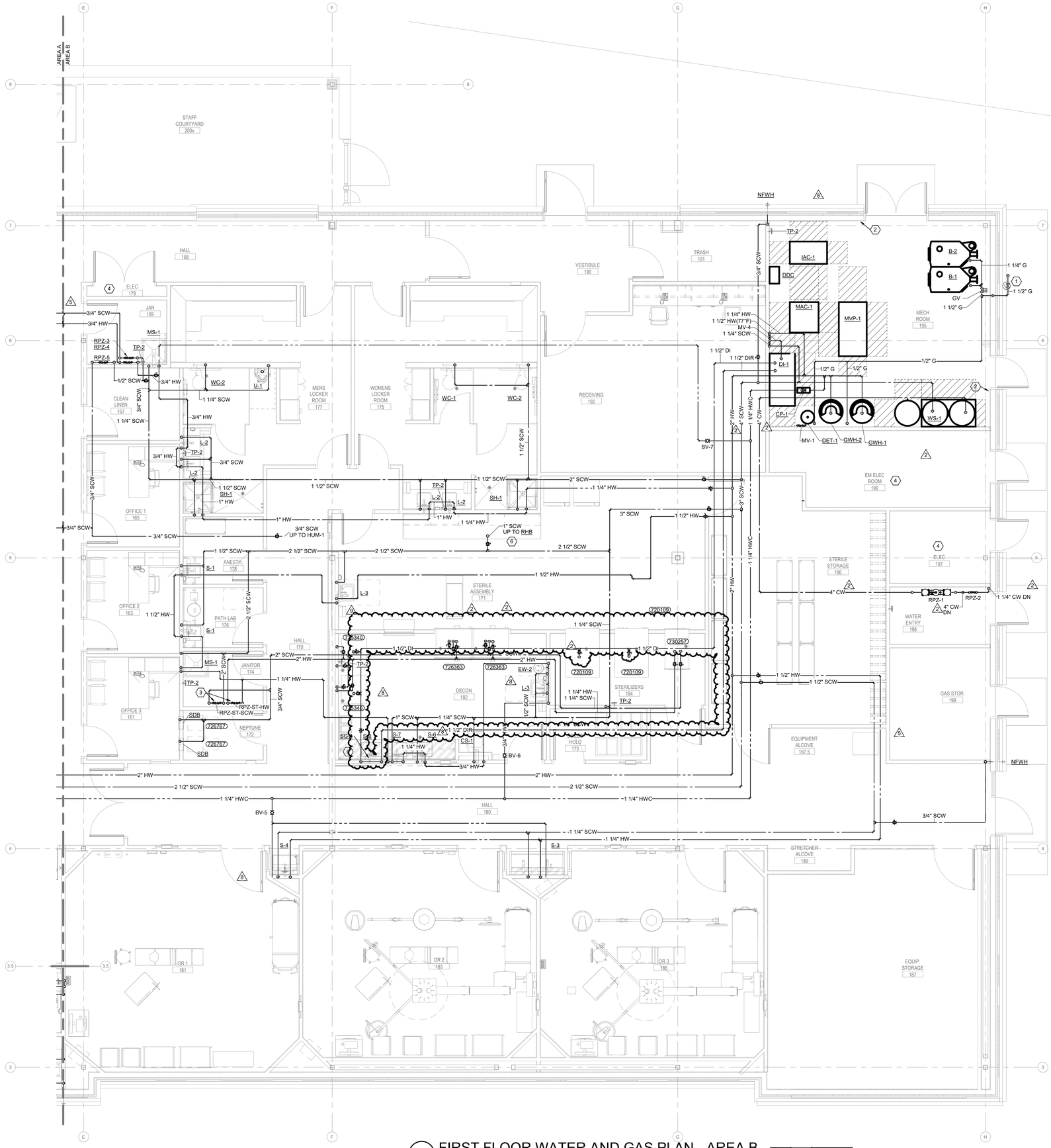
Revision

Number	Date	Description
5	11/8/23	ASI #2
8	2/7/24	ASI #4
9	4/29/24	ASI #6

P2.1A

© 2022 ACI/BOLAND, Inc

FIRST FLOOR WATER & GAS PLAN - AREA A



1 FIRST FLOOR WATER AND GAS PLAN - AREA B
SCALE: 1/4" = 1'-0"

0' 2' 4' 8'

GENERAL NOTES (THIS SHEET)

1. SEE SHEET P0.1 FOR PLUMBING GENERAL NOTES AND LEGEND.
2. REFER TO PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION AND FIXTURE CONNECTION SIZES.
3. COORDINATE ROUTING OF PLUMBING SYSTEMS WITH ALL OTHER TRADES.
4. MOUNT ALL VALVES IN ACCESSIBLE LOCATIONS. GIVE PREFERENCE TO LOCATIONS IN CORRIDORS, AREAS THAT WILL NOT IMPACT PATIENT CARE (IE STORAGE SPACE), AND ABOVE ACT CEILINGS.
5. PIPING DROPS TO FIXTURES ON EXTERIOR WALL SHALL BE ROUTED ON WARM SIDE OF INSULATION TO PROTECT FROM FREEZING.
6. FIELD COORDINATE CONNECTION REQUIREMENTS FOR ALL MEDICAL, HVAC, AND LIKE EQUIPMENT, EITHER FURNISHED OR PROVIDED BY OTHERS.

KEY NOTES (X) (THIS SHEET)

1. NATURAL GAS METER AND BUILDING PRESSURE REGULATOR. COORDINATE WITH UTILITY PROVIDER.
2. LOCATION OF BOILER EMERGENCY SHUTDOWN BUTTON TIED TO 120V ELECTRONIC SOLENOID VALVE IN NATURAL GAS PIPING.
3. PROVIDE LINE SIZE RPZ BACKFLOW PREVENTER TO SERVE THE STERILE/DECON EQUIPMENT FOR SCW AND HW. ROUTE DRAIN TO MOP SINK IN JAN 173. COORDINATE INDIRECT DRAIN SIZE WITH MANUFACTURER.
4. ROUTING PIPE OVER THIS ROOM IS PROHIBITED UNLESS OTHERWISE NOTED.
5. PROVIDE HEAT TRACE ON SCW PIPING SERVING HUMIDIFIERS EQUAL TO RAYCHEM XL-TRACE EDGE.
6. 1" SCW SUPPLY UP TO RHB ON ROOF ABOVE. PROVIDE SHUTOFF VALVE IN BRANCH FOR SEASONAL SHUTOFF.
7. EMERGENCY DOMESTIC WATER CONNECTION. INSTALL 36" AFF. PIPING TO BE SLOPED BACK TOWARDS EMERGENCY CONNECTION.
8. NOT USED.
9. COILED PIPING BELOW TABLE. FINISH WITH ESCUTCHEON. SHUTOFF VALVE BELOW SINK SURFACE. SERVE WATER GUN WITH DI WATER.

BranchPattern
www.branchpattern.com
PROJECT NUMBER 1201002
BETTER BUILT ENVIRONMENTS

STATE OF MISSOURI
RICKI MANKTALA
04/30/2024
NUMBER PE-2009000026
PROFESSIONAL ENGINEER

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. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT

Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT

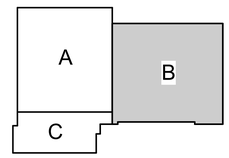
BranchPattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	2/8/2023
Job Number	3-22030
Drawn By	CG
Checked By	AB, RC, MG

Revision

Number	Date	Description
2	2/20/23	ADDENDUM #2
5	11/8/23	ASI #2
8	2/7/24	ASI #4
9	4/29/24	ASI #6



KEYPLAN

P2.1B

© 2022 ACI/BOLAND, Inc

FIRST FLOOR WATER & GAS PLAN - AREA B

4/29/2024 8:52:57 PM

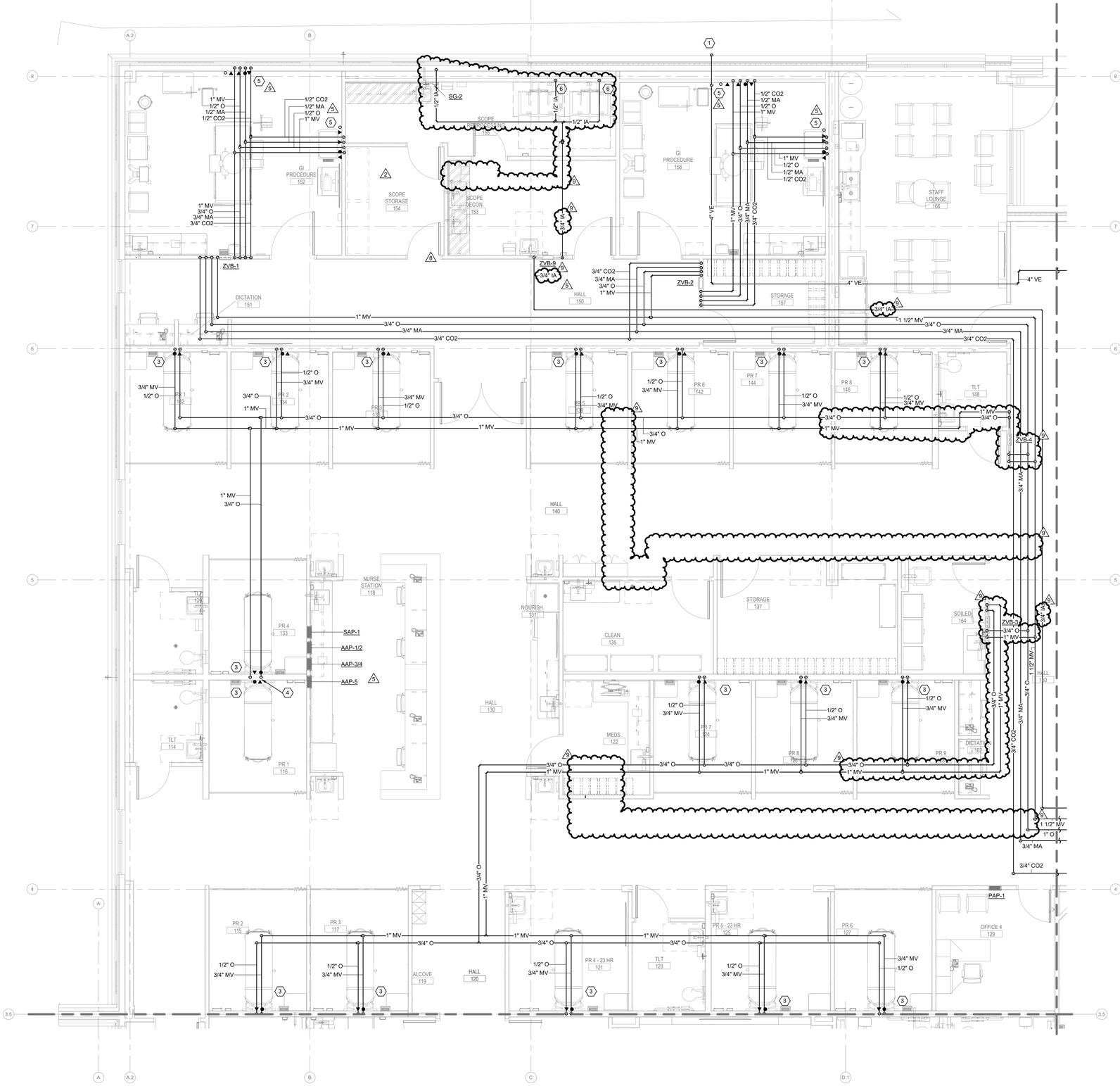
BranchPattern | www.branchpattern.com PROJECT NUMBER: 1201002 BETTER BUILT ENVIRONMENTS

GENERAL NOTES (THIS SHEET)

1. SEE SHEET P0.1 FOR PLUMBING GENERAL NOTES AND LEGEND.
2. COORDINATE ROUTING OF PLUMBING SYSTEMS WITH ALL OTHER TRADES.
3. FIELD COORDINATE CONNECTION REQUIREMENTS FOR ALL MEDICAL, HVAC, AND LIKE EQUIPMENT, EITHER FURNISHED OR PROVIDED BY OTHERS.
4. MOUNT ALL VALVES IN ACCESSIBLE LOCATIONS. GIVE PREFERENCE TO LOCATIONS IN CORRIDORS. AREAS THAT WILL NOT IMPACT PATIENT CARE (IE STORAGE SPACE), AND ABOVE ACT CEILINGS.
5. ALL WALL MEDICAL GAS OUTLETS TO BE OHMEDA DIAMOND COMPATIBLE PIN INDEX. CEILING OUTLETS TO BE DISS TYPE WITH HOSE ASSEMBLIES AND RETRACTORS.
6. POSITIVE PRESSURE GAS PIPING RUNOUTS NO SMALLER THAN 1/2", RUNOUTS SERVING 2 OR MORE CONNECTIONS MUST BE 3/4" MIN.
7. VACUUM GAS PIPING RUNOUTS NO SMALLER THAN 3/4". RUNOUTS SERVING 2 OR MORE CONNECTIONS MUST BE 1" MIN.
8. PLUMBING PLANS GOVERN THE QUANTITY OF MEDICAL GAS STATION INLETS/OUTLETS. REFER TO ARCHITECTURAL ELEVATIONS AND CEILING PLANS FOR COORDINATED AND DIMENSIONED LOCATIONS.

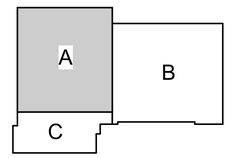
KEY NOTES (X) (THIS SHEET)

1. DISCHARGE VACUUM PUMP EXHAUST PIPING AS HIGH ON EXTERIOR WALL AS POSSIBLE. DO NOT ROUTE TO THE ROOF. DO NOT LOCATE WITHIN 25' OF ANY BUILDING OPENING.
2. 1" MV DOWN IN WALL, BRANCH 3/4" MV TO VACUUM CONNECTIONS ON BOTH SIDES OF WALL. 3/4" O DOWN IN WALL. BRANCH 1/2" O TO OXYGEN CONNECTIONS ON BOTH SIDES OF WALL. 3/4" MA DOWN IN WALL. BRANCH 1/2" MA TO MEDICAL AIR OUTLETS ON BOTH SIDES OF WALL.
3. WALL MOUNT MED GAS OUTLET ARRAY CONSISTING OF ONE (1) OXYGEN OUTLET, ONE (1) MEDICAL VACUUM INLET AND ONE (1) VACUUM SLIDE.
4. NOT USED.
5. HEADWALL MED GAS OUTLET ARRAY CONSISTING OF (1)O2, (1)MA, (1)CO2 OUTLETS, (2)VAC INLETS AND (2) VACUUM SLIDES.
6. 1/2" INSTRUMENT AIR DROP TO EACH MEDIVATOR. COORDINATE FINAL ROUGH-IN LOCATION AND ELEVATION WITH EQUIPMENT.



1 FIRST FLOOR GAS AND VACUUM PLAN - AREA A
SCALE: 1/4" = 1'-0"

0' 2' 4' 8'



KEYPLAN

STATE OF MISSOURI
RICKI MANKTALA
04/30/2024
NUMBER PE-2009000026
PROFESSIONAL ENGINEER

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. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
BranchPattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	2/8/2023
Job Number	3-22030
Drawn By	Author
Checked By	Checker

Revision

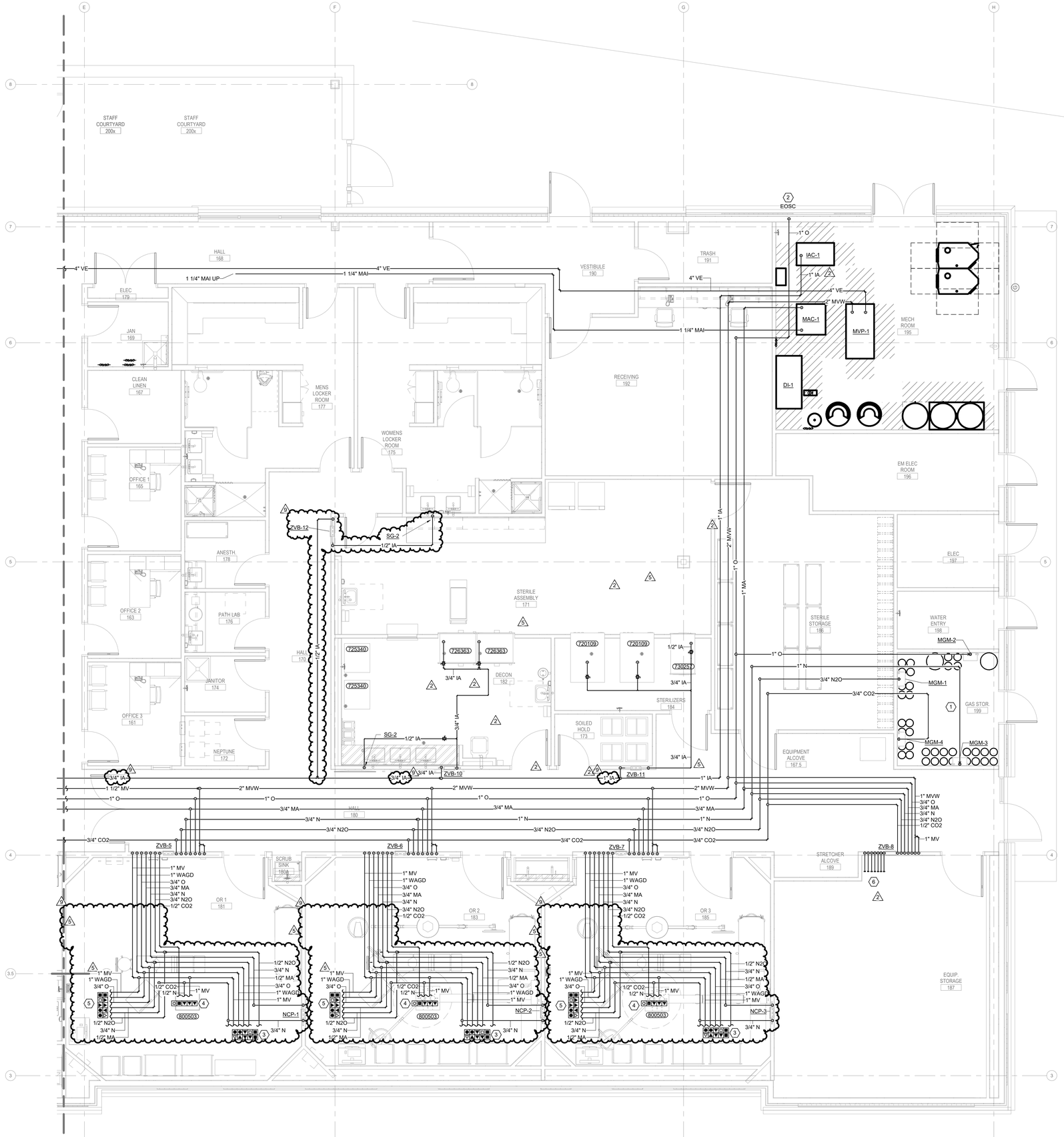
Number	Date	Description
2	2/20/23	ADDENDUM #2
5	11/8/23	ASI #2
8	2/7/24	ASI #4
9	4/29/24	ASI #6

P3.1A

© 2022 ACI/BOLAND, Inc

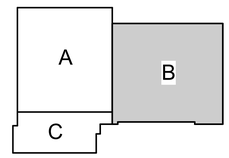
FIRST FLOOR GAS & VACUUM PLAN - AREA A

BIM 360://3-22030 HCA LSMC ASC/BP - HCA LSMC_MEP_R21.rvt



1 FIRST FLOOR GAS AND VACUUM PLAN - AREA B
SCALE: 1/4" = 1'-0"

0' 2' 4' 8'



KEYPLAN

GENERAL NOTES (THIS SHEET)

1. SEE SHEET P0.1 FOR PLUMBING GENERAL NOTES AND LEGEND.
2. COORDINATE ROUTING OF PLUMBING SYSTEMS WITH ALL OTHER TRADES.
3. FIELD COORDINATE CONNECTION REQUIREMENTS FOR ALL MEDICAL, HVAC, AND LIKE EQUIPMENT, EITHER FURNISHED OR PROVIDED BY OTHERS.
4. MOUNT ALL VALVES IN ACCESSIBLE LOCATIONS. GIVE PREFERENCE TO LOCATIONS IN CORRIDORS, AREAS THAT WILL NOT IMPACT PATIENT CARE (IE STORAGE SPACE), AND ABOVE ACT CEILINGS.
5. ALL WALL MEDICAL GAS OUTLETS TO BE OHMEDA DIAMOND COMPATIBLE PIN INDEX. CEILING OUTLETS TO BE DISS TYPE WITH HOSE ASSEMBLIES AND RETRACTORS.
6. POSITIVE PRESSURE GAS PIPING RUNOUTS NO SMALLER THAN 1/2", RUNOUTS SERVING 2 OR MORE CONNECTIONS MUST BE 3/4" MIN.
7. VACUUM GAS PIPING RUNOUTS NO SMALLER THAN 3/4". RUNOUTS SERVING 2 OR MORE CONNECTIONS MUST BE 1" MIN.
8. PLUMBING PLANS GOVERN THE QUANTITY OF MEDICAL GAS STATION INLETS/OUTLETS. REFER TO ARCHITECTURAL ELEVATIONS AND CEILING PLANS FOR COORDINATED AND DIMENSIONED LOCATIONS.

KEY NOTES (X) (THIS SHEET)

1. VENT MANIFOLDS TO EXTERIOR OF THE BUILDING.
2. LOCATION OF EMERGENCY OXYGEN SUPPLY CONNECTION.
3. CEILING MEDICAL GAS OUTLET ARRAY CONSISTING OF TWO (2) OXYGEN, ONE (1) MEDICAL AIR, TWO (2) MEDICAL VACUUM, ONE (1) N2O, TWO (2) NITROGEN, AND ONE (1) WAGD OUTLETS.
4. CONNECT TO O.R. BOOM MEDICAL GAS INLETS/OUTLETS CONSISTING OF ONE (1) CO2 OUTLET, ONE (1) NITROGEN OUTLET AND THREE (3) MEDICAL VACUUM INLETS.
5. CEILING MED GAS OUTLET ARRAY CONSISTING OF TWO (2) OXYGEN OUTLETS, ONE (1) MEDICAL AIR, THREE (3) MEDICAL VACUUM, ONE (1) WAGD, TWO (2) NITROGEN, AND ONE (1) N2O.
6. MEDICAL GAS PIPING FOR FUTURE OPERATING ROOM EXPANSION. CAP PIPING AND LOCK SHUTOFF VALVES IN THE OFF POSITION.

BranchPattern
www.branchpattern.com
PROJECT NUMBER 1201002
BETTER BUILT ENVIRONMENTS

STATE OF MISSOURI
RICKI MANKTALA
04/30/2024
NUMBER PE-2009000028
PROFESSIONAL ENGINEER

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. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
BranchPattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	2/8/2023
Job Number	3-22030
Drawn By	CG
Checked By	AB, RC, MG

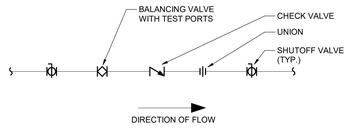
Revision

Number	Date	Description
2	2/20/23	ADDENDUM #2
5	11/8/23	ASI #2
9	4/29/24	ASI #6

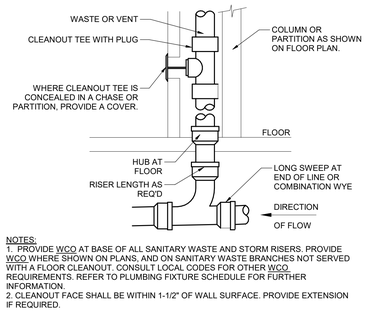
P3.1B

© 2022 ACI/BOLAND, Inc

FIRST FLOOR GAS & VACUUM PLAN - AREA B

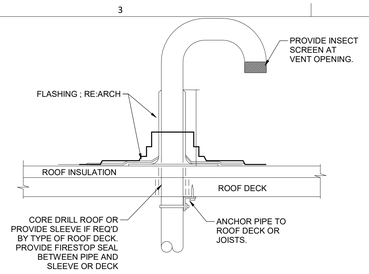


4 HWC BALANCING VALVE ASSEMBLY
SCALE: NONE



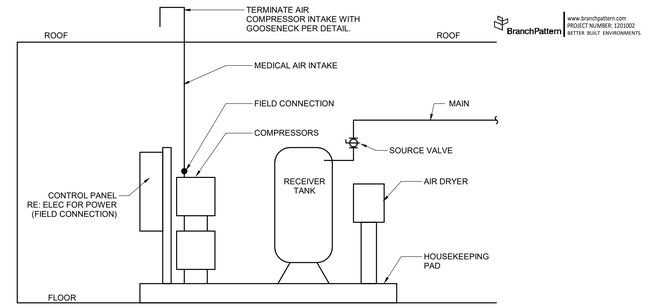
NOTES:
1. PROVIDE WCO AT BASE OF ALL SANITARY WASTE AND STORM RISERS. PROVIDE WCO WHERE SHOWN ON PLANS, AND ON SANITARY WASTE BRANCHES NOT SERVED WITH A FLOOR CLEANOUT. CONSULT LOCAL CODES FOR OTHER WCO REQUIREMENTS. REFER TO PLUMBING FIXTURE SCHEDULE FOR FURTHER INFORMATION.
2. CLEANOUT FACE SHALL BE WITHIN 1-1/2" OF WALL SURFACE. PROVIDE EXTENSION IF REQUIRED.

1 WALL CLEANOUT
SCALE: NONE

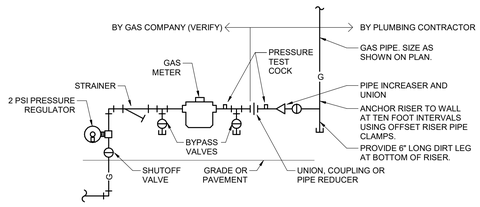


NOTES:
LOCATION OF VENT SHALL COMFORM TO REQUIREMENTS OF NFPA 99 CHAPTER 5.1.3.4.6. OFFSET IN CEILING SPACE WHERE REQUIRED TO MEET THESE CONDITIONS.

2 MEDICAL GAS MANIFOLD VENT
SCALE: NONE

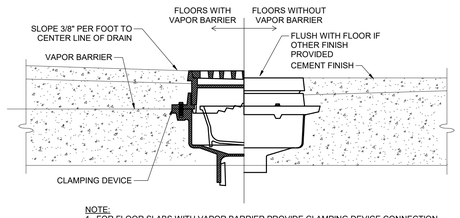


3 MEDICAL AIR COMPRESSOR DETAIL
SCALE: NONE



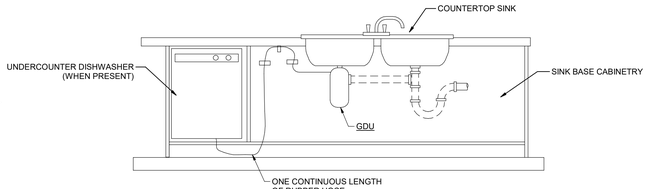
NOTES:
1. COMPLY WITH ALL REQUIREMENTS FOR METERING AND PIPING WITH GAS COMPANY. INSTALL OTHER UTILITIES MINIMUM TEN FEET FROM GAS LINE. PLUMBING CONTRACTOR SHALL PAY ALL GAS COMPANY FEES FOR INSTALLATION. USE WELDED OR SCREWED PIPE AND FITTINGS. GAS COMPANY SHALL EXCAVATE, BACKFILL, AND REPAIR ANY PAVING OR SOD FOR GAS SERVICE LINE INSTALLATION FROM MAIN TO BUILDING.
2. MINIMUM 6" LONG NIPPLE ON BOTH SIDES OF GAS PRESSURE REGULATOR.

5 GAS SERVICE WITH REGULATOR
SCALE: NONE

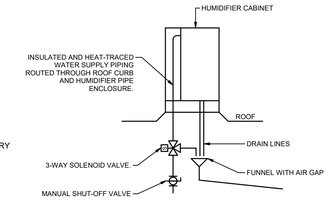


NOTE:
1. FOR FLOOR SLABS WITH VAPOR BARRIER PROVIDE CLAMPING DEVICE CONNECTION.

6 FLOOR DRAIN INSTALLATION
SCALE: NONE

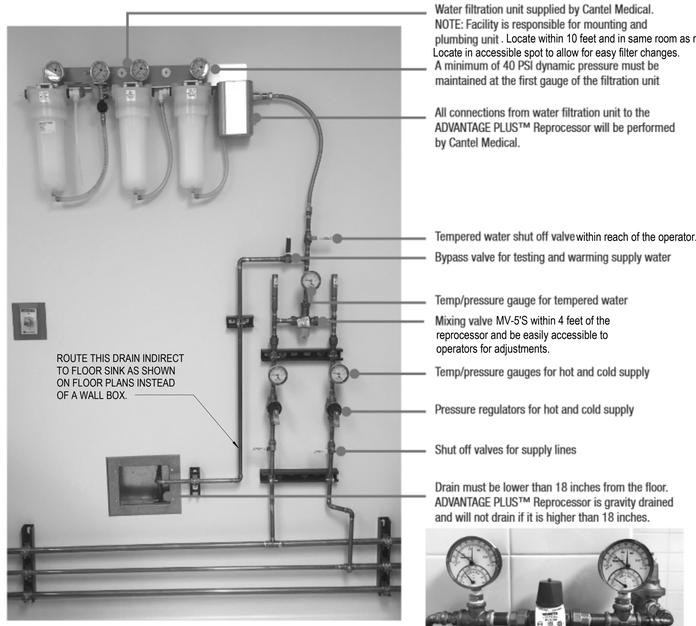


7 KITCHEN SINK & GARBAGE DISPOSAL
SCALE: NONE



NOTES:
1. INSTALL VALVES AND DRAIN LINES ABOVE ACCESSIBLE CEILING.
2. WHEN HUMIDIFIER ENERGIZES, 3-WAY VALVE SHALL OPEN TO SEND WATER TO HUMIDIFIER. WHEN HUMIDIFIER IS NOT IN USE, VALVE SHALL CLOSE SUPPLY AND ALLOW WATER IN OUTDOOR LINES TO DRAIN.

8 HUMIDIFIER PIPING DETAIL
SCALE: NONE



Example of combined temp/pressure gauges and mixing valve

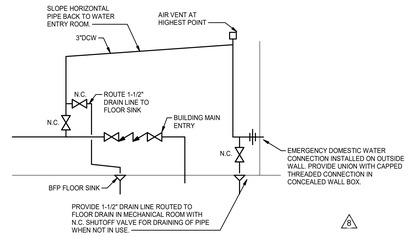
APPENDIX C

SITE REQUIREMENTS CHECKLIST

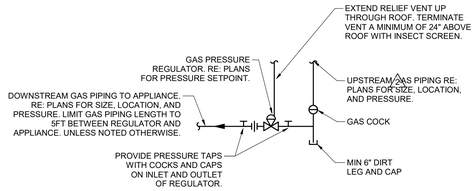
This checklist should be utilized to ensure the installation site meets the required specifications. If all specifications are met, the site is suitable for the installation and use of the ADVANTAGE PLUS™ Reprocessor.

Water Supply	Potable water is the minimum standard.	
	Minimum flow rate of 1.32 GPM (5000 mL per minute) with a **DYNAMIC** pressure of 40 to 87 PSI	
	Water Temperature 35°C ± 2°C (95°F ± 4°F), on-demand supplied by a thermostatic mixing valve. One mixing valve per reprocessor.	
	The mixing valve must be accessible and within **4 feet of reprocessor**.	
	Hardness, less than 12 gpg (200 ppm)	
	Pre-filter wall space 26" H x 38" W x 6" D, **customer mounted and plumbed.**	
	Installation of Bypass Valve for Draining, Testing, and Warming Supply Water	
	Installation of Pressure regulators, Pressure Gauges, and Temp Gauges on both the incoming hot and cold supply lines	
Drain	3.17 GPM, with the opening no higher than 18" from the floor, **vented**	
Air Supply	Optional air compressor dedicated, 120 VAC, dedicated 15 Amp circuit	
	House compressed air requirements: (dry/oil free) 58 to 125 PSI, minimum flow volume of 1.5 CFM, maximum particle size of 5 microns, maximum dew point of 7°C (45°F), maximum oil concentration of 5 mg/m³	
	¼" ID Flexible Air Hose to connect Reprocessor CUSTOMER SUPPLIED	

11 MEDIVATOR PLUMBING INSTALLATION DIAGRAM
SCALE: 1/8" = 1'-0"



9 EMERGENCY DOMESTIC WATER CONNECTION SCHEMATIC
SCALE: NONE



10 INTERIOR GAS PRESSURE REGULATOR
SCALE: NONE

STATE OF MISSOURI
RICKI MANKTALA
04/30/2024
NUMBER PE-2009000026
PROFESSIONAL ENGINEER

BranchPattern | www.branchpattern.com
PROJECT NUMBER: 1201002
BETTER BUILT ENVIRONMENTS

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. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
BranchPattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	2/8/2023
Job Number	3-22030
Drawn By	JS
Checked By	AB, RC, MG

Revision

Number	Date	Description
2	2/20/23	ADDENDUM #2
8	2/7/24	ASI #4
9	4/29/24	ASI #6

P5.3

© 2022 ACI/BOLAND, Inc

PLUMBING DETAILS

MEDICAL VACUUM PUMP SYSTEM SCHEDULE

MARK	MANUFACTURER & MODEL OR EQUAL	SERVES/FUNCTION	TYPE	MOTOR/PUMP HP	MOTOR/PUMP QTY	MOTOR/PUMP NOISE LEVEL (DbA)	CAPACITY SCFM	CAPACITY RECEIVER SIZE (GAL.)	ELECTRICAL DATA VOLTS	ELECTRICAL DATA PH	ELECTRICAL DATA FLA	NOTES
MVP-1	PATTONS 70BI-25-073C	MEDICAL VACUUM PUMP	ROTARY VANE	7.5	2	79	32	120	480	3	25	1-6

NOTES:
1. FOR FEEDER SIZE AND LOCAL DISCONNECT SWITCH SEE THE ELECTRICAL SHEETS IN THE CONTRACT DRAWINGS.
2. PROVIDE A PRE-PIPED SYSTEM WITH A CONTROL PANEL AND VARIABLE FREQUENCY DRIVE MOUNTED ON A COMMON BASE/FRAME.
3. PROVIDE A SINGLE POINT ELECTRICAL CONNECTION.
4. PROVIDE A DUPLEX SYSTEM: ONE COMPRESSOR FOR NORMAL OPERATION AND THE OTHER IN RESERVE.
5. PROVIDE AN EXHAUST PIPE FOR EACH VACUUM PUMP. THE EXHAUST PIPE WILL BE ROUTED TO THE ROOF WITH A GOOSENECK.
6. REFER TO MECH/ELEC COORDINATION SCHEDULE FOR SCCR.

MEDICAL AIR COMPRESSOR SYSTEM SCHEDULE

MARK	MANUFACTURER & MODEL OR EQUAL	SERVES/FUNCTION	TYPE	CAPACITY SCFM	CAPACITY PSIG	CAPACITY RECEIVER SIZE (GAL.)	COMPRESSOR MOTOR HP	COMPRESSOR MOTOR QTY	COMPRESSOR MOTOR NOISE LEVEL (DbA)	ELECTRICAL DATA VOLTS	ELECTRICAL DATA PH	ELECTRICAL DATA FLA	NOTES
MAC-1	PATTONS 62-22-022C	MEDICAL AIR COMPRESSOR	SCROLL	7	50	80	2	2	65	480	3	6	1-5

NOTES:
1. FOR FEEDER SIZE AND LOCAL DISCONNECT SWITCH SEE THE ELECTRICAL SHEETS IN THE CONTRACT DRAWINGS.
2. PROVIDE A PRE-PIPED SYSTEM WITH A CONTROL PANEL AND VARIABLE FREQUENCY DRIVE MOUNTED ON A COMMON BASE/FRAME.
3. PROVIDE A SINGLE POINT ELECTRICAL CONNECTION.
4. PROVIDE A DUPLEX SYSTEM: ONE COMPRESSOR FOR NORMAL OPERATION, AND THE OTHER IN RESERVE IN CASE OF COMPRESSOR FAILURE.
5. REFER TO MECH/ELEC COORDINATION SCHEDULE FOR SCCR.

INSTRUMENT AIR COMPRESSOR SYSTEM SCHEDULE

MARK	MANUFACTURER & MODEL OR EQUAL	SERVES/FUNCTION	TYPE	SYSTEM CAPACITY SCFM	SYSTEM CAPACITY PSIG	SYSTEM CAPACITY RECEIVER SIZE (GAL)	COMPRESSOR MOTOR HP	COMPRESSOR MOTOR QTY	COMPRESSOR MOTOR NOISE LEVEL (DbA)	ELECTRICAL DATA VOLTS	ELECTRICAL DATA PH	ELECTRICAL DATA FLA	NOTES
IAC-1	BEACONMEDAES LES08-115T-RD-071	STERILE/DECON	SCROLL	20.8	112.4	71	7.5	1	59	480	3	13	1-5

NOTES:
1. FOR FEEDER SIZE AND LOCAL DISCONNECT SWITCH SEE THE ELECTRICAL SHEETS IN THE CONTRACT DRAWINGS.
2. PROVIDE A PRE-PIPED SYSTEM WITH A CONTROL PANEL AND VARIABLE FREQUENCY DRIVE MOUNTED ON A COMMON BASE/FRAME.
3. PROVIDE A SINGLE POINT ELECTRICAL CONNECTION.
4. PROVIDE A DUPLEX SYSTEM: ONE COMPRESSORS FOR NORMAL OPERATION. ONE IN RESERVE.
5. REFER TO MECH/ELEC COORDINATION SCHEDULE FOR SCCR.

MEDICAL GAS FACILITY ALARM PANEL SCHEDULE

MARK	MANUFACTURER & MODEL OR EQUAL	PANEL LOCATION	SOURCES ALARMED/MONITORED O	O	MV	WAGD	N20	IA	CO2	ELECTRICAL VOLTS	AMPS	PH	NOTES
PAP-1	POWEREX - MAP10-55	OFFICE 123	X	X	X	X	X	X	X	120	2	1	1,3
SAP-1	POWEREX - MAP10-55	NURSE STATION 131	X	X	X	X	X	X	X	120	2	1	2,3

NOTES: 1. PRIMARY LOCATION. COORDINATE FINAL LOCATION WITH OWNER PRIOR TO INSTALL.
2. SECONDARY LOCATION. COORDINATE FINAL LOCATION WITH OWNER PRIOR TO INSTALL.
3. SEE SPECIFICATIONS FOR REQUIRED ALARMING/MONITORING POINTS PER GAS SOURCE.

MEDICAL GAS ZONE VALVE BOX SCHEDULE

MARK	MANUFACTURER & MODEL OR EQUAL	ZONE VALVE BOX LOCATION	ROOMS SERVED	NUMBER OF GAS VALVES O	MA	MV	WAGD	N2O	N	CO2	IA	NOTES
ZVB-1	POWEREX - ZVB4BBCC	HALLWAY 150	GI PROCEDURE 152	X	X	X				X		1
ZVB-2	POWEREX - ZVB4BBCC	HALLWAY 150	GI PROCEDURE 156	X	X	X				X		1
ZVB-3	POWEREX - ZVB2BC	HALLWAY 160	RECOVERY 115-117, 121, 124-128	X		X						1
ZVB-4	POWEREX - ZVB2BC	HALLWAY 160	RECOVERY 132-134, 136, 138, 142,144,146	X		X						1
ZVB-5	POWEREX - ZVB7ABBBBCC	HALLWAY 180	OR 181	X	X	X	X	X	X	X		1
ZVB-6	POWEREX - ZVB7ABBBBCC	HALLWAY 180	OR 183	X	X	X	X	X	X	X		1
ZVB-7	POWEREX - ZVB7ABBBBCC	HALLWAY 180	OR 185	X	X	X	X	X	X	X		1
ZVB-8	POWEREX - ZVB7ABBBBCC	HALLWAY 180	EQUIPMENT STOR 187	X	X	X	X	X	X	X		1
ZVB-9	POWEREX - ZVB1A	HALLWAY 150	SCOPE DECON 153								X	1
ZVB-10	POWEREX - ZVB1A	HALLWAY 180	DECON 182								X	1
ZVB-11	POWEREX - ZVB1A	HALLWAY 180	STERILIZERS 184								X	1
ZVB-12	POWEREX - ZVB1A	HALLWAY 170	STERILE ASSEMELY 171								X	1

NOTES:
1. MAXIMUM VALVE SIZE IS 2". PANEL MUST BE LOCATED IN A MINIMUM 6" DEEP STUD WALL. VERIFY BOX DEPTH VS VALVE SIZE WITH MANUFACTURER.

MEDICAL GAS VOLUME TABLE

		QUANTITY	STANDARD CU. FT. OF GAS EA.	STANDARD CU. FT. OF GAS TOTAL	LIQUID VOLUME (GAL) EA.	LIQUID VOLUME (GAL) TOTAL
LIQUID OXYGEN - O2	"H" CYLINDER	6	N/A	N/A	15	132.3
	LOX DEWAR	1	N/A		42.3	
NITROUS OXIDE - N2O	"H" CYLINDER	8	558	4464	N/A	N/A
CARBON DIOXIDE - CO2	"H" CYLINDER	8	568	4544	N/A	N/A
NITROGEN - N2	"H" CYLINDER	16	229	3664	N/A	N/A

Per 2018 IBC Table 307.1(1), maximum allowable gaseous oxidizer quantity is 4500 Cu. Ft. using additional quantities allowed by notes D and E.
Per 2018 IBC Table 307.1(1), maximum allowable liquid oxidizer quantity is 4500 Cu. Ft. using additional quantities allowed by notes D and E.

RECIRCULATION VALVE SCHEDULE

MARK	SERVES	GPM	PIPE DIAMETER	NOTES:
BV-1	TOILETS, NURSE STATION	0.9	3/4"	-
BV-2	PREP ROOMS, TOILETS, EXAM	1.0	3/4"	-
BV-3	TOILET, STAFF LOUNGE, SCOPE PROCESSING	1.6	3/4"	-
BV-4	NOURISH, MEDS, CLEAN	0.7	3/4"	-
BV-5	SCRUB SINKS	0.6	3/4"	-
BV-6	STERILE PROCESSING	0.6	3/4"	-
BV-7	LOCKER ROOMS	0.6	3/4"	-

NOTES:
1. NOT USED

MEDICAL GAS AREA ALARM PANEL SCHEDULE

MARK	MANUFACTURER & MODEL OR EQUAL	PANEL LOCATION	ZONE VALVE BOXES SERVED	SOURCES MONITORED MA	O	MV	WAGD	N20	N	CO2	ELECTRICAL VOLTS	AMPS	PH	NOTES
AAP-1/2	POWEREX - AAP10 SERIES	NURSE STATION 118	ZVB-1 & ZVB-2	X	X	X				X	120	2	1	-
AAP-3/4	POWEREX - AAP10 SERIES	NURSE STATION 118	ZVB-3 & ZVB-4		X	X					120	2	1	-
AAP-5	POWEREX - AAP10 SERIES	NURSE STATION 118	ZVB-5	X	X	X	X	X	X	X	120	2	1	-

NOTES:
1. NONE

DEIONIZED WATER GENERATOR SCHEDULE

MARK	MANUFACTURER	MODEL	SERVES	LOCATION	PERFORMANCE CAPACITY (GPD)	ELECTRICAL	NOTES
DI-1	AMERIWATER	OHCS-2050	STERILE/DECOND EQUIPMENT	MECH ROOM	800	SEE NOTE	1-4

NOTES
1. EACH UNIT SHALL BE PROVIDED WITH LOCAL GRAPHICAL USER INTERFACE MONITORED BY BMS SYSTEM WITH MANUFACTURER COMMUNICATION CARD.
2. PROVIDE ALL ACCESSORIES AND CONTROLS FOR A TIR 34 COMPLIANT SYSTEM, INCLUDING BUT NOT LIMITED TO CARBON PREFILTERS, ANTISCALANT INJECTOR, RO GENERATOR, DI POLISHER, 55GAL STORAGE TANK, & 30 GPM DISTRIBUTION PUMP.
3. PROVIDE 2 - 120V/1P/15A DEDICATED GFCI RECEPTACLE, AND 2 - 208V/3P/20A RECEPTACLES.
4. REFER TO MECH/ELEC COORDINATION SCHEDULE FOR SCCR.
5. UTILIZE THE RO/DI COMPLIANCE KIT BASED ON TIR34/ST108 COMPLIANCE: ALARM PANEL WITH REMOTE RESISTIVITY CELL, FIELD UPGRADE KIT: ISOLATION VALVE SUB-ASSEMBLY WITH 30 GPM UV LAMP, STAINLESS STEEL FILTER HOUSING RATED AT 30GPM, 1" FLOWMETER TANK ASSEMBLY RATED AT 30 GPM RETURN, TANK VENT FILTER ASSEMBLY.

EXPANSION TANK SCHEDULE

MARK	MANUFACTURER & MODEL OR EQUAL	SERVES	TANK VOL. (GAL)	TANK ACCEPTANCE MIN VOLUME (GAL)	SYSTEM VOL. (GAL)	TEMPERATURE HIGH / LOW (F)	NOTES
DET-1	WESSELS TTA-20	GWH-1 & GWH-2	8	4.9	130.1	140/40	1-4

NOTES:
1. PROVIDE PRE-CHARGED PRESSURIZED EXPANSION TANK WITH HEAVY DUTY BUTYL RUBBER BLADDER.
2. PROVIDE SUPPORT SYSTEM TO SUSPEND VERTICAL EXPANSION TANK FROM STRUCTURE WITH PIPING SUPPORTED INDEPENDENT OF THE TANK.
3. PROVIDE EXPANSION TANK THAT IS NSF 61.
4. INSTALL IN CW LINE BEFORE WATER HEATER PER MANUFACTURERS RECOMMENDATIONS.

GAS MANIFOLD SCHEDULE

MARK	MANUFACTURER & MODEL OR EQUAL	LOCATION	CYLINDERS PER BANK	GAS SERVICE	NOTES:
MGM-1	POWEREX - MFLD-CYL-NFPA-N2O	MED GAS 224	4x4	NITROUS OXIDE	2,3
MGM-2	POWEREX - MFLD-LIQ-NFPA-O2	MED GAS 224	1x6	OXYGEN	1,3
MGM-3	POWEREX - MFLD-CYL-NFPA-N2	MED GAS 224	8x8	NITROGEN	2,3
MGM-4	POWEREX - MFLD-CYL-NFPA-CO2	MED GAS 224	4x4	CARBON DIOXIDE	2,3

NOTES:
1. PROVIDE POWEREX 1X1 LIQUID HEADER AND POWEREX VERTICAL 6 CYLINDER RESERVE HEADER BAR WITH SS PIG TAILS
2. PROVIDE POWEREX STAGGERED HEADER BARS WITH STAINLESS STEEL PIG TAILS
3. VENT MANIFOLD RELIEF VALVES TO THE EXTERIOR, TURN DOWN, AND SCREEN.

HOT WATER MIXING VALVE SCHEDULE

MARK	MANUFACTURER & MODEL OR EQUAL	MINIMUM GPM	MAXIMUM GPM	INLET WATER TEMP (F)	OUTLET WATER TEMP (F)	PRESSURE DROP (PSI)	ELECTRICAL VOLTS	ELECTRICAL PH	NOTES:
MV-1	LEONARD PNV-150-LF	0.25	50	140	130	5	120	1	1
MV-2	LEONARD TA-300-LF	2.0	4.5	130	85	20	-	-	2
MV-3	LEONARD 170A-LF	0.25	1.9	130	105	20	-	-	3
MV-4	WATTS LFL1170M2 - 3/4"	1.90	25	170	85	10	-	-	4
MV-5	LEONARD 170A-LF	0.25	1.7	130	85	5	-	-	5

NOTES:
1 PROVIDE BUILDING AUTOMATION SYSTEM INTERFACE WITH THE MIXING VALVE STATION.
2 MIXING VALVE FOR USE WITH EMERGENCY EYE/FACE WASH
3 POINT-OF-USE MIXING VALVE FOR SINKS AND LAVATORIES.
4 MIXING VALVE FOR USE WITH PLUMBED MAKE-UP WATER
5 MIXING VALVE FOR USE WITH ENDOSCOPE REPROCESSORS - 1727801

MEDICAL EQUIPMENT CONNECTION SCHEDULE

CAD ID	DESCRIPTION	PROJECT QUANTITY	ROUGH-IN SIZE (IN.) CW (GPM EA.)	HW (GPM EA.)	PW (GPM EA.)	DW	IW	IA (PSI,SCFM)	CO2	N	MA	OX	NO	MV	WAGD	NOTES
100198	ICE MAKER - 90 LB	1	1/2" (<1 GPM)				3/4"									8,9
714443	FREESTANDING ICE/WATER DISPENSER	1	1/2" (<1 GPM)				3/4"									2,8
714519	ICE MAKER FILTRATION SYSTEM	3	3/4" (<1 GPM)													11
717621	ICE MAKER - 425 LB	1	1/2" (<1 GPM)				3/4"									8,9
720109	STERILIZER - MED	2	1-1/4" (12 GPM)		SEE NOTE (0.6 GPM)		1-1/2"	1/2" (90 PSI, 3 SCFM)								1,3,13,14,15
725340	WASHER/DISINFECTOR	2	1-1/4" (14.1 GPM)	1-1/4" (14.1 GPM)	1-1/4" (12.6 GPM)		X	1/2" (90 PSI, 1.75 SCFM)								1,3,11,14,15
725408	DISHWASHER	1		1/2" (3 GPM)			X									5
726363	ULTRASONIC CLEANER	2	3/4" (3-8 GPM)	3/4" (3-8 GPM)	1" (8 GPM)		X									1,12
726767	NEPTUNE DOCKING STATION	2	3/4" (<1 GPM)				X									1,4,7
727553	COFFEE BREWER	1	1/2" (<1 GPM)													1,3,13,14,15
727801	ENDOSCOPIC REPROCESSING	1	1/2" (1.32 GPM)	1/2" (1.32 GPM)			X	1/2" (90 PSI, 1.5 SCFM)								1,16
730257	STERILIZER - SMALL	1	1-1/4" (15 GPM)	1/2" (1 GPM)			SEE NOTE	1/2" (90 PSI, 3 SCFM)								1,3,13,14,15
800503	SURGICAL BOOM	3							SEE PLANS	SEE PLANS				SEE PLANS		10

NOTES:

GENERAL NOTE: COORDINATE EXACT LOCATION AND ELEVATION OF EQUIPMENT ROUGH-INS WITH FFE PLANS AND ELEVATIONS. VERIFY EQUIPMENT CONNECTION SIZES WITH PURCHASED EQUIPMENT.

1. COORDINATE IW (INDIRECT WASTE) CONNECTION SIZE WITH EQUIPMENT PROVIDER. PROVIDE NECESSARY DRAIN TUBING.
2. ROUTE IW TUBING FROM UNIT TO ADJACENT FLOOR DRAIN.
3. ROUTE IW TUBING FROM UNIT TO FLOOR SINK. LOCATE FLOOR SINK UNDERNEATH UNIT. COORDINATE WITH MANUFACTURER.
4. ROUTE IW TUBING FROM EQUIPMENT TO NEARBY DB DRAIN BOX.
5. PROVIDE SDB SUPPLY DRAIN BOX LOCATED UNDERCOUNTER AT 24" AFF FOR UTILITY CONNECTION.
6. PROVIDE COLD WATER SB SUPPLY BOX LOCATED UNDERCOUNTER AT 24" AFF FOR UTILITY CONNECTION. ROUTE CW TUBING UP FROM SB THROUGH HOLE IN BACK OF COUNTERTOP. PROVIDE RUBBER GROMMET FOR HOLE. COORDINATE WITH ARCHITECT PRIOR TO DRILLING GROMMET HOLE.
7. ROUTE 3/4"CW LINE DOWN ALONG THE FACE OF THE WALL. TERMINATE WATER PIPING 1' ABOVE THE EQUIPMENT AND INSTALL A SHUTOFF VALVE IN THE RISER 1'6" ABOVE THE EQUIPMENT.
8. PROVIDE WATTS SD-3 BACKFLOW PREVENTER IN SUPPLY TUBING TO THE EQUIPMENT. LOCATE IN AN ACCESSIBLE LOCATION.
9. PROVIDE SDB SUPPLY DRAIN BOX LOCATED UNDERCOUNTER AT 24" AFF FOR UTILITY CONNECTION. ROUTE CW AND IW TUBING UP FROM SDB THROUGH HOLE IN BACK OF COUNTERTOP. PROVIDE RUBBER GROMMET FOR HOLE. COORDINATE WITH ARCHITECT PRIOR TO DRILLING GROMMET HOLE.
10. BASIS OF DESIGN MEDICAL GAS OUTLET QUANTITY: (2 - MV), (1 - NO), (1-CO2).
11. INSTALL ICE MACHINE WATER FILTRATION SYSTEM ON THE INLET DOMESTIC COLD WATER SUPPLY UPSTREAM OF THE BACKFLOW PREVENTOR.
12. ROUTE IW TUBING FROM UNIT TO FLOOR SINK. TERMINATE IW TUBING WITH CODE REQUIRED AIR GAP.
13. EQUIPMENT REQUIRES 1MEGAOHM RESISTIVITY DI/RO WATER. MAX FLOW RATE OF 0.6 GPM, 4.2GAL/CYCLE, AND 3 GPH OUT OF CYCLE.
14. PROVIDE INLINE REDUCED PRESSURE ZONE BACKFLOW PREVENTOR ON ALL DOMESTIC WATER LINES. INSTALL SHUTOFF VALES ON INCOMING UTILITY LINES IN ACCESSIBLE LOCATION.
15. ROUTE STEAM RELIEF VALVE TO THE EXTERIOR OF THE BUILDING PER ASME BOILER CODE.
16. PROVIDE CONNECTION FROM MV-5. ONE PER UNIT.

BranchPattern | www.branchpattern.com PROJECT NUMBER: 1201002 BETTER BUILT ENVIRONMENTS

STATE OF MISSOURI RICKI MANIKOLA 04/30/2024 NUMBER PE-2009000026 PROFESSIONAL ENGINEER

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. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
BranchPattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	2/8/2023
Job Number	3-22030
Drawn By	JS
Checked By	AB, RC, MG

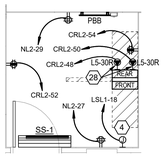
Revision

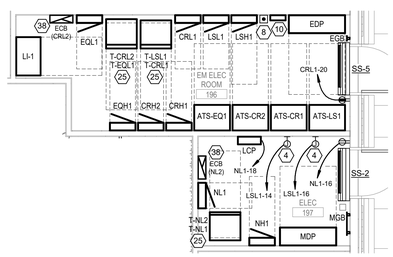
Number	Date	Description
2	2/20/23	ADDENDUM #2
5	11/8/23	ASI #2
9	4/29/24	ASI #6

P6.1

© 2022 ACI/BOLAND, Inc

PLUMBING SCHEDULES



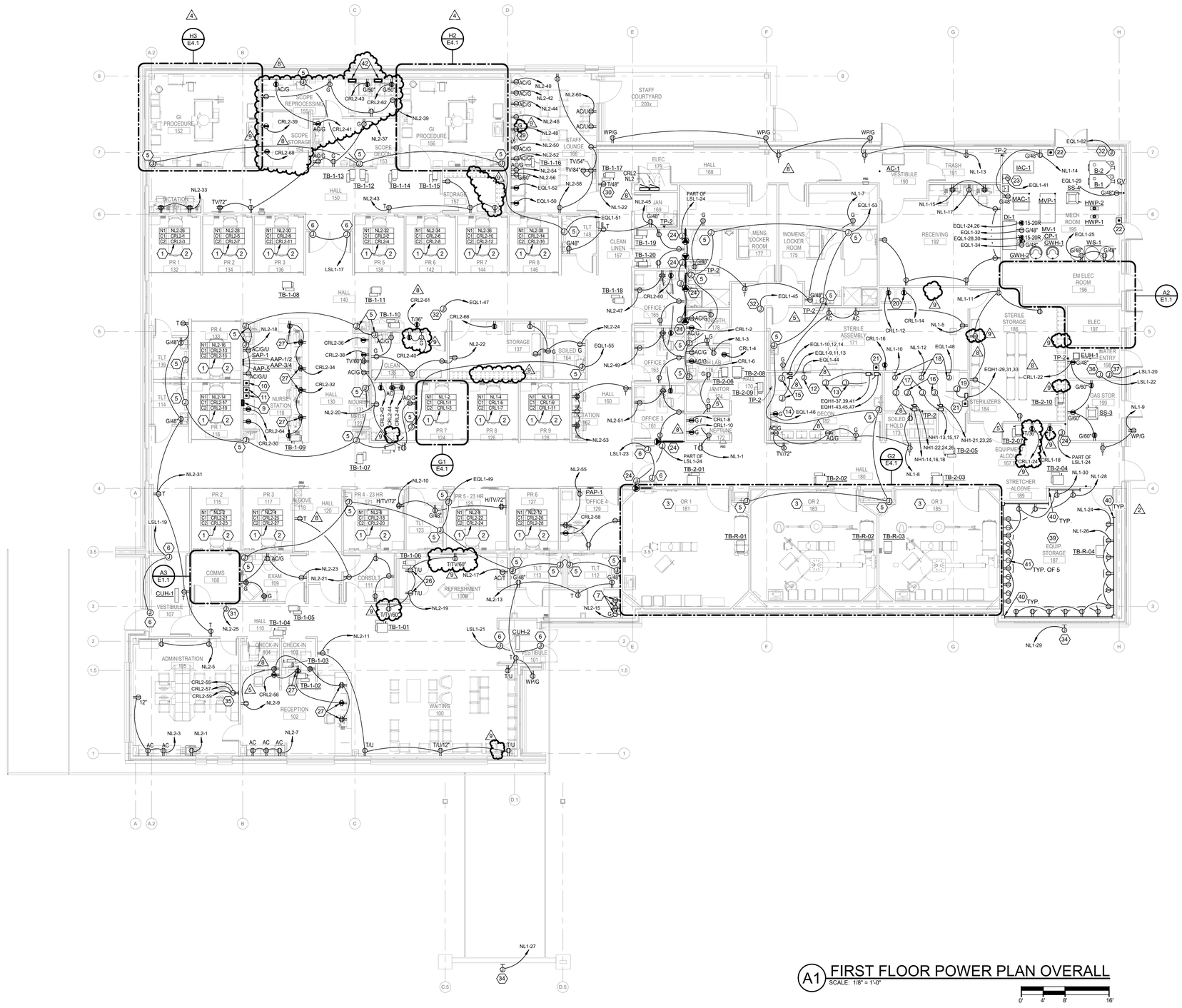


ENLARGED COMM ROOM 108

A3 SCALE: 1/4" = 1'-0"

ENLARGED MAIN ELECTRICAL ROOMS

A2 SCALE: 1/4" = 1'-0"



A1 FIRST FLOOR POWER PLAN OVERALL

SCALE: 1/8" = 1'-0"

0' 4' 8' 16'

GENERAL NOTES (THIS SHEET)

1. REFER TO SHEET E0.1 FOR ELECTRICAL SYMBOL LEGEND AND ADDITIONAL GENERAL NOTES.
2. HOSPITAL GRADE RECEPTACLES SHALL BE USED THROUGHOUT.

KEY NOTES (X) (THIS SHEET)

1. CIRCUIT SCHEDULE FOR RECEPTACLES LOCATED IN THIS ROOM. SEE ENLARGED PLAN FOR LAYOUT.
2. REFER TO DETAIL A1/SHEET E4.1 FOR DEVICE LAYOUT IN THIS ROOM.
3. DO NOT PENETRATE THIS ROOM WITH CONDUIT OR WIRING WHICH SERVES OTHER AREAS.
4. CONNECTION TO FIRE ALARM EQUIPMENT PANEL(S) AND ASSOCIATED POWER SUPPLIES.
5. CONNECTION TO LOW VOLTAGE TRANSFORMER SERVING AUTOMATIC FAUCET AND/OR FLUSH VALVE. PROVIDE A TOGGLE SWITCH DISCONNECT ABOVE FINISHED ACCESSIBLE CEILING WHERE A HARD CEILING EXISTS. PROVIDE SUITABLE ACCESS PANEL. PROVIDE CONDUIT PATHWAY AND BACKBOXES AS REQUIRED FOR CONCEALED INSTALLATION. COORDINATE EXACT LOCATION WITH PLUMBING ROUGH-IN. WIRING BETWEEN TRANSFORMER AND FAUCETS/VALVES SHALL BE PROVIDED BY DIVISION 22.
6. CONNECTION TO AUTOMATIC DOOR OPERATOR. PROVIDE A TOGGLE SWITCH DISCONNECT ABOVE FINISHED ACCESSIBLE CEILING ADJACENT TO THE EQUIPMENT SERVED. COORDINATE WITH ARCHITECTURAL DRAWINGS AND DOOR HARDWARE SCHEDULE FOR ROUGH-IN OF BACK BOXES FOR DOOR PUSH PADS.
7. RECEPTACLE(S) FOR ELECTRIC WATER COOLER. COORDINATE MOUNTING WITH MANUFACTURER'S REQUIREMENTS. PROVIDE DEAD-FRONT GFCI DEVICE ADJACENT TO WATER COOLER PANEL, CONNECTED TO PROVIDE GFCI PROTECTION TO DOWNSTREAM RECEPTACLE(S).
8. GENERATOR REMOTE ANNUNCIATOR PANEL, 1 OF 2. VERIFY LOCATION WITH OWNER PRIOR TO ROUGH-IN. PROVIDE SURFACE-MOUNT ENCLOSURE IF INSTALLED IN UNFINISHED SPACE. IF OWNER DIRECTS TO INSTALL IN A FINISHED SPACE, PROVIDE FLUSH-MOUNT ENCLOSURE.
9. GENERATOR REMOTE ANNUNCIATOR PANEL, 2 OF 2. FIELD COORDINATE EXACT LOCATION ALONG WALL WITH OTHER ALARM PANELS AND PUSH BUTTONS ABOVE COUNTER. COORDINATE WITH ARCHITECTURAL ELEVATIONS PROVIDE FLUSH-MOUNT ENCLOSURE FOR ANNUNCIATOR PANEL.
10. EMERGENCY POWER OFF (EPO) BUTTON FOR SHUTDOWN OF GENERATOR. CONNECT EPO BUTTONS AS REQUIRED. PROVIDE CLEAR, HINGED COVER.
11. EMERGENCY POWER OFF (EPO) BUTTON FOR SHUTDOWN OF AIR HANDLING UNITS. CONNECT EPO BUTTONS AS REQUIRED. PROVIDE CLEAR, HINGED COVER.
12. CONNECTION TO AUTOMATIC PASSTHROUGH. PROVIDE 120V/1P TOGGLE SWITCH ADJACENT TO UNIT FOR DISCONNECTING MEANS.
13. CONNECTION TO WASHER/DISINFECTOR. PROVIDE (3)#8, (1)#10G, IN 1"C. PROVIDE NEMA-1, 60A/3P NON-FUSED DISCONNECT SWITCH.
14. RECEPTACLE FOR AUTOMATIC DETERGENT DISPENSER.
15. CONNECTION TO ULTRASONIC CLEANER. PROVIDE (3)#12, (1)#12G, IN 3/4" C. PROVIDE NEMA-1, 30A/3P NON-FUSED DISCONNECT SWITCH. COORDINATE MOUNTING OF DISCONNECT WITH PLUMBING.
16. CONNECTION TO MEDIUM-SIZE STERILIZER POWER. PROVIDE (3)#12, (1)#12G, IN 3/4" C. PROVIDE NEMA-1, 30A/3P NON-FUSED DISCONNECT. COORDINATE MOUNTING OF DISCONNECT WITH PLUMBING.
17. CONNECTION TO MEDIUM-SIZE STERILIZER ELECTRIC STEAM GENERATOR. PROVIDE (3)#4, (1)#8G, IN 1-1/4" C. PROVIDE NEMA-1, 100A/3P NON-FUSED DISCONNECT. COORDINATE MOUNTING OF DISCONNECT WITH PLUMBING.
18. CONNECTION TO STERILIZER CONTROLS. PROVIDE 120V/1P TOGGLE SWITCH ADJACENT TO UNIT FOR DISCONNECTING MEANS. COORDINATE MOUNTING OF TOGGLE SWITCH WITH PLUMBING.
19. CONNECTION TO SMALL-SIZE STERILIZER POWER AND ELECTRIC STEAM GENERATOR. PROVIDE (3)#8, (1)#10G, IN 3/4" C. PROVIDE NEMA-1, 60A/3P NON-FUSED DISCONNECT. COORDINATE MOUNTING OF DISCONNECT WITH PLUMBING.
20. RECEPTACLE FOR LOW-TEMP STERILIZER.
21. EMERGENCY POWER OFF (EPO) BUTTON FOR SHUTDOWN OF STERILIZERS. CONNECT EPO BUTTONS AS REQUIRED. PROVIDE CLEAR, HINGED COVER. MOUNT AT 60" AFF.
22. EMERGENCY POWER OFF (EPO) BUTTON FOR SHUTDOWN OF BOILERS. CONNECT EPO BUTTONS AS REQUIRED. PROVIDE CLEAR, HINGED COVER. MOUNT AT 60" AFF.
23. CONNECTION TO BAS CONTROL PANEL. PROVIDE 600VA, 120V/1PH UPS FOR BAS MAIN POWER SUPPLY. COORDINATE WITH BAS CONTROLS VENDOR FOR EXACT CABINET LOCATION AND ADDITIONAL POWER REQUIREMENTS.
24. CONNECTION TO SMOKE DAMPER.
25. STACKED TRANSFORMER MOUNTING. PROVIDE UNISTRUT FRAME FOR STACKING ONE TRANSFORMER ABOVE THE OTHER AS REQUIRED. PROVIDE BRACING AS REQUIRED TO RESIST LATERAL MOVEMENT.
26. RECEPTACLES INSTALLED AT BASE OF BUILT-IN BENCH. MOUNT RECEPTACLES HORIZONTALLY. COORDINATE WITH ARCHITECTURAL DETAILS.
27. RECEPTACLES INSTALLED IN BUILT-UP CASEWORK. CONDUIT SHALL BE CONCEALED WITHIN CASEWORK, STUBBED UP FROM BELOW AS REQUIRED.
28. MOUNT RECEPTACLES ON THE REAR SIDE OF THE TELECOM EQUIPMENT RACKS, AT BOTTOM OF RACK, WITH CONDUIT STUBBED UP FROM BELOW. CONDUIT ROUTING AND WIRING DEVICE BOXES SHALL NOT BLOCK OR IMPEDE ACCESS TO RACK EQUIPMENT. CONFIRM SPECIAL RECEPTACLE CONFIGURATION WITH OWNER PRIOR TO INSTALLATION.
29. RECEPTACLE BELOW COUNTER FOR GARBAGE DISPOSAL. CONNECT TO ABOVE COUNTER TOGGLE SWITCH.
30. CONNECTION FOR EMPLOYEE TIME CLOCK. COORDINATE FINAL MOUNTING AND CONNECTION TYPE WITH PROVIDED EQUIPMENT.
31. CONNECTION TO VENDOR BADGE MAKER. COORDINATE FINAL MOUNTING AND CONNECTION TYPE WITH PROVIDED EQUIPMENT.
32. CONNECTION TO PIPING HEAT TRACE SYSTEM. REFER TO PLUMBING DRAWINGS FOR HEAT TRACE LOCATION AND SPECIFICATION.
33. NOT USED.
34. CONNECTION TO ILLUMINATED BUILDING SIGNAGE. COORDINATE MOUNTING LOCATION WITH ARCHITECTURAL ELEVATIONS. COORDINATE WIRING AND CONTROL REQUIREMENTS WITH SIGNAGE VENDOR PRIOR TO INSTALLATION.
35. CONNECTION TO PRE-WIRED FURNITURE SYSTEM POWER WHIP. RECEPTACLES ARE INTEGRAL TO FURNITURE SYSTEM PANELS AND PROVIDED BY FURNITURE VENDOR. CONNECT PER MANUFACTURER'S INSTRUCTIONS. COORDINATE WITH LOW VOLTAGE FOR ADDITIONAL FURNITURE FEED COMPONENTS.
36. CONNECTION TO DRY-PIPE FIRE PROTECTION SYSTEM AIR COMPRESSOR. PROVIDE 120V/1P TOGGLE SWITCH ADJACENT TO EQUIPMENT FOR DISCONNECTING MEANS. PRIOR TO ORDERING, VERIFY CIRCUIT BREAKER SIZE, WIRING SIZE, AND ADDITIONAL REQUIREMENTS WITH ACTUAL AIR COMPRESSOR SPECIFIED BY THE FIRE PROTECTION ENGINEER.
37. CONNECTION TO DRY-PIPE FIRE PROTECTION SYSTEM MONITORING DEVICES, ALARMS, AND CONTROLS AS REQUIRED.
38. PROVIDE ENCLOSED CIRCUIT BREAKER WITH ELECTRONIC TRIP FOR PROTECTION OF DOWNSTREAM PANELBOARD. REFER TO ONE-LINE DIAGRAM FOR SIZE.
39. PULL (3) 3/4" SPARE CONDUIT WITH PULL STRING TO THIS SPACE FROM EMERGENCY ELEC ROOM 196, TERMINATED ABOVE CEILING.
40. PROVIDE WIREMOLD SERIES AL3300 SURFACE RACEWAY. MOUNT RACEWAY AT 48" AFF. PROVIDE RECEPTACLES AND DEVICE PLATES AS REQUIRED, AND PROVIDE ACCESSORIES AS REQUIRED FOR A COMPLETE SYSTEM, INCLUDING BUT NOT LIMITED TO END CAPS, BLANK PLATES, COVERS, COUPLINGS, AND OTHER COMPONENTS. PROVIDE CIRCUITING TO DEVICES AS SHOWN. POWER ACCESS TO RACEWAY MUST BE PROVIDED FROM A BACK FEED WITHIN THE WALL CAVITY. PROVIDE FIELD MEASUREMENTS TO THE MANUFACTURER.
41. PROVIDE J-BOX ROUGHED-IN AT 36" AFF FOR FUTURE WALL RECEPTACLE. PROVIDE BLACK COVERPLATE AND CONDUIT STUBBED TO ABOVE CEILING WITH PULL-STRING.
42. PROVIDE 1.5KVA UPS, 120V/1PH, TO SERVE ADVANTAGE PLUS PROCESSOR COMPUTER SYSTEM. BASIS OF DESIGN IS EATON 5S SERIES 1.5KVA UPS.

BranchPattern
www.branchpattern.com
PROJECT NUMBER: 1201002
BETTER BUILT ENVIRONMENTS

STATE OF MISSOURI
ABHINAV PANDEY
NUMBER PE-2010015824
04/30/2024
PROFESSIONAL ENGINEER

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. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
BranchPattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	2/8/2023
Job Number	3-22030
Drawn By	AE
Checked By	JB, AP

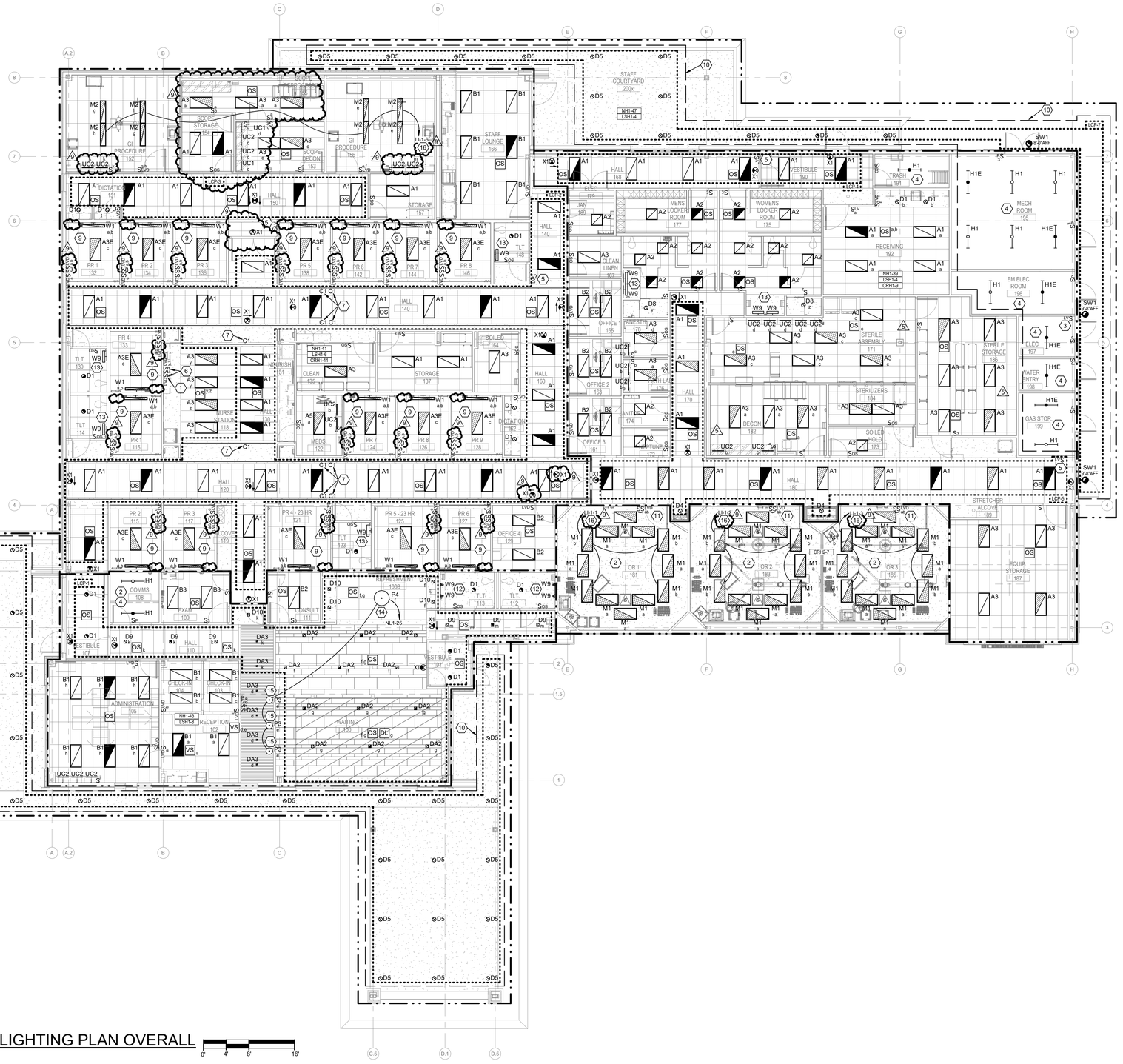
Revision

Number	Date	Description
2	2/20/23	ADDENDUM #2
4	10/5/23	ASI #1
5	11/8/23	ASI #2
8	2/7/24	ASI #4
9	4/29/24	ASI #6

E1.1

© 2022 ACI/BOLAND, Inc

FIRST FLOOR POWER PLAN - OVERALL



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

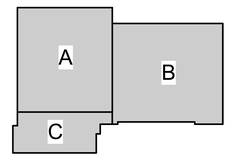
0' 4' 8' 16'

GENERAL NOTES (THIS SHEET)

1. REFER TO SHEET E0.1 FOR ELECTRICAL SYMBOL LEGEND AND ADDITIONAL GENERAL NOTES.
2. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF LUMINAIRES.
3. EXIT SIGNS SHALL BE CONNECTED TO "UNSWITCHED" LEG OF THE CIRCUIT.
4. EXIT SIGN LOCATIONS ARE SHOWN FOR CIRCUITING AND ROUGH-IN ONLY. REFER TO LIFE SAFETY DRAWINGS FOR EXACT LOCATION, ORIENTATION, AND DIRECTIONAL ARROWS. EXIT SIGNS SHALL BE INSTALLED AFTER SITE WALKTHROUGH REVIEW BY FIRE DEPARTMENT AUTHORITY.
5. CONNECT EMERGENCY LIGHTING AND EXIT SIGNS AHEAD OF LOCAL SWITCHING.
6. COORDINATE THE LOCATION AND MOUNTING HEIGHT OF LUMINAIRES AND DEVICES WITH ARCHITECTURAL DRAWINGS. WHERE LUMINAIRES OR DEVICES ARE NOT SPECIFICALLY INDICATED, COORDINATE LOCATIONS AND MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO ROUGH-IN.
7. VERIFY FIXTURE TRIM COMPATIBILITY WITH CEILING TYPES INDICATED IN ARCHITECTURAL CEILING PLANS AND DETAILS PRIOR TO ORDERING ANY LUMINAIRES.
8. COORDINATE LUMINAIRE LOCATIONS, MOUNTING, AND SUPPORTS WITH MECHANICAL DUCTWORK, PIPING, AND OTHER TRADES TO AVOID CONFLICTS.
9. LOSS OF UTILITY POWER SHALL ENERGIZE EGRESS LIGHTING. LIGHTING SYSTEMS SHALL MEET UL STANDARDS FOR LIFE SAFETY REQUIREMENTS.
10. PROVIDE OCCUPANCY/VACANCY SENSOR RELAYS AND POWER PACKS AS REQUIRED TO PROVIDE THE LIGHTING CONTROL FUNCTION INDICATED. PROVIDE LOW VOLTAGE SENSORS WITH 1 SET OF AUXILIARY CONTACTS FOR INTEGRATION WITH HVAC CONTROLS.
11. SET OCCUPANCY/VACANCY SENSORS TO 15 MINUTE DELAY, UNLESS NOTED OTHERWISE. DO NOT EXCEED MAXIMUM CODE ALLOWED TIME DELAY.
12. CONNECT OCCUPANCY/VACANCY SENSORS AHEAD OF LOCAL LIGHTING CONTROLS.
13. WHERE MULTIPLE OCCUPANCY/VACANCY SENSORS ARE LOCATED IN THE SAME ROOM OR SPACE, CONNECT SENSORS TO CONTROL ALL LIGHTING (EXCEPT NON-SWITCHED EMERGENCY LIGHTING) WITHIN THAT ROOM OR SPACE, UNLESS NOTED OTHERWISE.
14. LOCATIONS OF THE OCCUPANCY/VACANCY SENSORS ON THESE DRAWINGS ARE DIAGRAMMATIC. LIGHTING CONTROL VENDOR SHALL PROVIDE LAYOUT OF DEVICES AND DEVICE SELECTION FOR COMPLETE SENSOR COVERAGE OF AREAS. SUBMIT SHOP DRAWINGS WHICH INDICATE LOCATIONS AND DEVICE TYPE. PROVIDE ADDITIONAL DEVICES AS REQUIRED. CONTRACTOR SHALL ADJUST DEVICES AS REQUIRED FOR COVERAGE OF THE CONTROLLED AREAS. CONTRACTOR SHALL RETURN TO SITE AS REQUIRED WITHIN 1 YEAR OF FINAL COMPLETION TO RE-ADJUST OR REPLACE DEVICES WHICH ARE NOT FUNCTIONING PROPERLY.
15. DO NOT LOCATE CEILING SENSORS WITHIN 3' OF AN HVAC SUPPLY AIR TERMINAL.
16. LIGHTING CONTROL SENSORS SHALL BE DUAL TECHNOLOGY TYPE UNLESS NOTED OTHERWISE.
17. SWITCHES IN PATIENT PREP/RECOVERY ROOMS AND IN PROCEDURE/OPERATING ROOMS SHALL BE LABELED WITH FUNCTIONAL DESCRIPTION. FINAL LABEL SHALL BE APPROVED BY OWNER PRIOR TO ORDERING.
18. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING FOR UNDERCOUNTER LUMINAIRES.

KEY NOTES (X) (THIS SHEET)

1. MASTER OVERRIDE SWITCH FOR NIGHTTIME SHUTOFF OF ALL "A3E" AND "W1" LIGHT FIXTURES IN ALL PRE-OP AND RECOVERY BAYS.
2. DO NOT PENETRATE THIS ROOM WITH CONDUIT OR CABLING WHICH SERVES OTHER AREAS.
3. PROVIDE 3-BUTTON WALL-MOUNT DIGITAL OVERRIDE SWITCH TO INCLUDE 'ON', 'OFF', AND 'AUTO' MODE FOR EXTERIOR LIGHTING. ROUTE CIRCUIT THROUGH LIGHTING CONTROL PANEL 'LCP'.
4. CHAIN HANG FIXTURES AT 9'-0" AFF IN THIS SPACE. COORDINATE FINAL LOCATIONS WITH PIPING, DUCTWORK, EQUIPMENT, CABLE TRAY, AND ALL TRADES.
5. MASTER OVERRIDE SWITCH FOR LIGHT FIXTURES IN CORRESPONDING CORRIDOR.
6. MOUNT BANK OF SWITCHES ABOVE COUNTER AS INDICATED.
7. PROVIDE COVE LIGHTING AROUND SOFFIT PERIMETER AS INDICATED. CONTROL WITH ADJACENT CORRIDOR FIXTURES VIA LIGHTING CONTROL PANEL. REFER TO ARCHITECTURAL DRAWINGS FOR COVE DETAILS.
8. NOT USED.
9. REFER TO ARCHITECTURAL ELEVATIONS FOR HEIGHT AND LOCATION OF WALL MOUNTED LUMINAIRES.
10. LIGHT FIXTURES AND ASSOCIATED WIRING AND CONTROLS INDICATED BY THIS NOTE AND/OR WITHIN THIS DASHED BOUNDARY ARE INCLUDED AS PART OF THE SHELL BUILDING SCOPE.
11. COORDINATE FINAL MOUNTING LOCATIONS OF LIGHTING SWITCHES WITH STRYKER O.R. ROOM CONTROL TOUCH PANELS IN THIS ROOM. INSTALL SWITCHES IN CONSOLIDATED GROUP ADJACENT TO TOUCH PANELS.
12. MOUNT VANITY FIXTURES VERTICALLY ON EACH SIDE OF MIRROR. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS.
13. MOUNT VANITY FIXTURE HORIZONTALLY CENTERED 6" ABOVE MIRROR. REFER TO ARCHITECTURAL ELEVATIONS.
14. SUSPEND PENDANT AT 8'-0" AFF TO BOTTOM OF FIXTURE.
15. SUSPEND PENDANT AT 7'-0" AFF TO BOTTOM OF FIXTURE.
16. PROVIDE UL924 TRANSFER DEVICE FOR LIGHTING INVERTER CIRCUIT FIXTURES. REMOTE MOUNT DEVICE IN CORRIDOR OUTSIDE OF ROOM. COORDINATE CIRCUIT REQUIREMENTS WITH INVERTER MANUFACTURER TO MEET TESTING OPERATIONS.



KEYPLAN

BranchPattern | www.branchpattern.com PROJECT NUMBER: 1201002 BETTER BUILT ENVIRONMENTS

STATE OF MISSOURI ABHINAV PANDEY NUMBER PE-2010015824 04/30/2024 PROFESSIONAL ENGINEER

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. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
BranchPattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	2/8/2023
Job Number	3-22030
Drawn By	AE
Checked By	JB, AP

Revision

Number	Date	Description
5	11/8/23	ASI #2
9	4/29/24	ASI #6

E2.1

© 2022 ACI/BOLAND, Inc

FIRST FLOOR LIGHTING PLAN - OVERALL

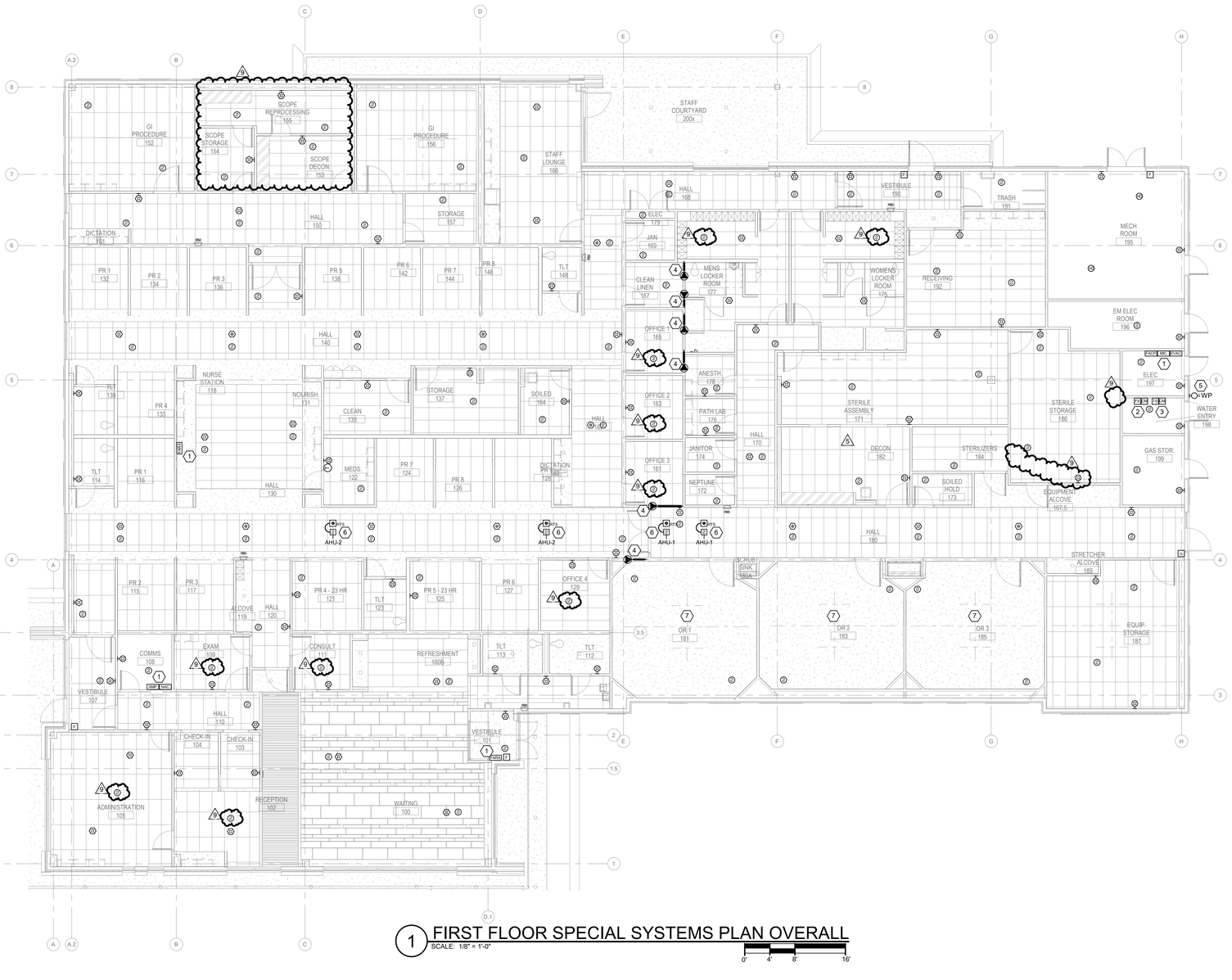
BranchPattern | www.branchpattern.com PROJECT NUMBER: 1201002 BETTER BUILT ENVIRONMENTS

GENERAL NOTES (THIS SHEET)

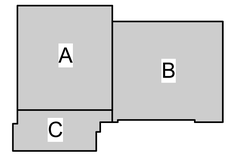
1. REFER TO SHEET E0.1 FOR ELECTRICAL SYMBOL LEGEND AND ADDITIONAL GENERAL NOTES. REFER TO SHEET E5.1 FOR FIRE ALARM RISER.
2. PROVIDE FIRE ALARM SYSTEM DEVICES, CONDUIT, WIRES, CABLES, AND ACCESSORIES AS DIRECTED BY FIRE ALARM EQUIPMENT MANUFACTURER. MATERIALS, EQUIPMENT, AND WORKMANSHIP SHALL MEET ADOPTED CODES. THE SYSTEM SHALL BE COMPLETE AND OPERATIONAL IN EVERY RESPECT. SITE SPECIFIC SHOP DRAWINGS SHALL INCLUDE A SINGLE LINE DIGRAM WHICH INDICATES DEVICES, CONDUIT, WIRES, CABLES, EQUIPMENT, AND ACCESSORIES TO BE USED. SITE SPECIFIC SHOP DRAWINGS SHALL BE STAMPED AND SIGNED BY A REGISTERED ENGINEER PROVIDED BY THE FIRE ALARM VENDOR. SYSTEM CALIBRATION AND TESTING SHALL BE BY FACTORY CERTIFIED TECHNICIAN.
3. PROVIDE CONNECTIONS AS REQUIRED TO POWERED DOORS TO ALLOW FREE EGRESS UPON ALARM CONDITIONS.

KEY NOTES (X) (THIS SHEET)

1. PROVIDE EQUIPMENT FOR A FULLY FUNCTIONING VOICE EVACUATION SYSTEM. INCLUDE AS REQUIRED: POWER SUPPLIES FOR NACS, AMPLIFIERS FOR SPEAKER CIRCUITS, MICROPHONES, ANNUNCIATORS, AND FACP & EVAC PANELS, PROVIDING SLC/IDC, BUS/DATA, AND VOICE CAPABILITIES.
2. PROVIDE CONNECTION TO AND SUPERVISION OF THE PIV AS REQUIRED. VERIFY EXACT LOCATION WITH FIRE SUPPRESSION CONTRACTOR.
3. PROVIDE MODULES FOR SPRINKLER RISERS - WATERFLOW, TAMPER, PRESSURE/FLOW, AND HIGH/LOW AIR SWITCHES. TAMPER & HIGH/LOW AIR SWITCHES SHALL INITIATE SUPERVISORY SIGNAL. WATERFLOW & PRESSURE/FLOW SWITCHES SHALL INITIATE ALARM SIGNAL.
4. PROVIDE DETECTION DEVICES, MODULES, AND RELAYS AS REQUIRED TO CONTROL SMOKE DAMPERS UPON DETECTION OF SMOKE.
5. PROVIDE EXTERIOR HORN/STROBE ABOVE FDC. VERIFY FINAL LOCATION WITH FIRE SUPPRESSION CONTRACTOR. PROVIDE SUPERVISION OF POWER FROM WATERFLOW SWITCH PER NFPA 72.
6. PROVIDE DUCT DETECTOR AND CONNECTIONS TO ASSOCIATED AIR HANDLING UNIT TO SHUTDOWN THE UNIT UPON DETECTION OF SMOKE AND GLOBAL SHUTDOWN OF OTHER APPLICABLE UNITS. PROVIDE APPROPRIATE REMOTE TEST SWITCH FOR TESTING OF DETECTOR. INSTALL DEVICES ABOVE ACCESSIBLE CEILING.
7. DO NOT PENETRATE THIS ROOM WITH CONDUIT OR CABLING WHICH SERVES OTHER AREAS.



1 FIRST FLOOR SPECIAL SYSTEMS PLAN OVERALL
SCALE: 1/8" = 1'-0"



KEYPLAN

STATE OF MISSOURI
ABHINAV PANDEY
NUMBER PE-2010015824
04/30/2024
PROFESSIONAL ENGINEER

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. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
BranchPattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	2/8/2023
Job Number	3-22030
Drawn By	AE
Checked By	JB, AP

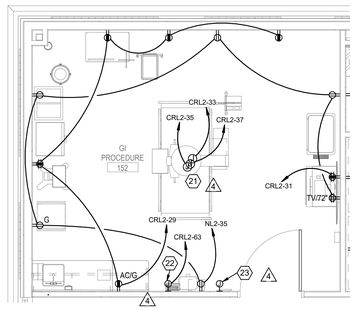
Revision

Number	Date	Description
5	11/8/23	ASI #2
9	4/29/24	ASI #6

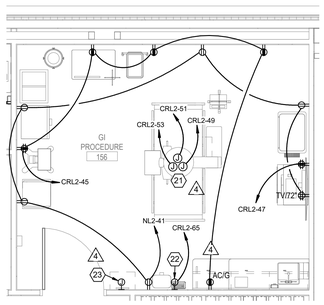
E3.1

© 2022 ACI/BOLAND, Inc

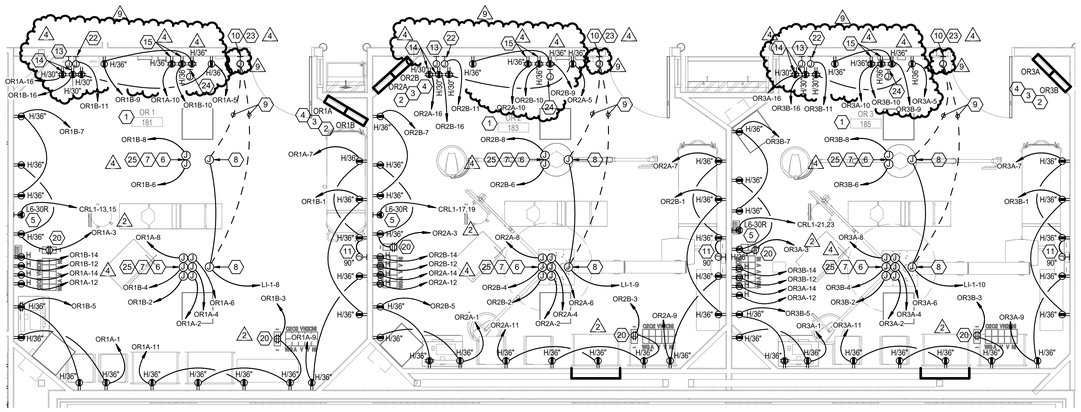
FIRST FLOOR SPECIAL SYSTEMS PLAN - OVERALL



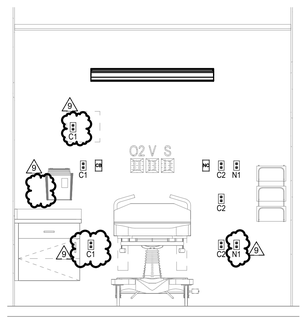
H3 ENLARGED GI PROCEDURE 152
SCALE: 1/4" = 1'-0"



H2 ENLARGED GI PROCEDURE 156
SCALE: 1/4" = 1'-0"



G2 ENLARGED O.R. 181, 183, 185
SCALE: 1/4" = 1'-0"

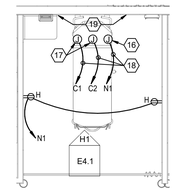


H1 HEADWALL ELEVATION TYPICAL RECOVERY ROOM
SCALE: 1/2" = 1'-0"

TYPICAL PATIENT RECOVERY ROOM
RECEPTACLE CONNECTION SCHEDULE

CIRCUIT ID	DESCRIPTION	BRANCH	LOAD (VA) *
N1	120V RECEPTACLES	NORMAL	720
C1	120V RECEPTACLES	CRITICAL	540
C2	120V RECEPTACLES	CRITICAL	540

* TYPICAL LOAD SERVED. SEE POWER PLANS FOR CIRCUIT NUMBERS IN EACH ROOM.



G1 ENLARGED TYPICAL RECOVERY ROOM
SCALE: 1/4" = 1'-0"

GENERAL NOTES (THIS SHEET)

1. REFER TO SHEET E0.1 FOR ELECTRICAL SYMBOL LEGEND AND ADDITIONAL GENERAL NOTES.
2. INSTALLATION SHALL BE IN ACCORDANCE WITH O.R. EQUIPMENT MANUFACTURER'S (STRYKER) APPROVED SITE-SPECIFIC SHOP DRAWINGS. CONTRACTOR SHALL COORDINATE SIZE, QUANTITY, AND LAYOUT OF MATERIALS AS REQUIRED TO COMPLY WITH THE MANUFACTURER'S REQUIREMENTS.

KEY NOTES ⓧ (THIS SHEET)

1. RECEPTACLES IN THIS ROOM SHALL BE HOSPITAL GRADE. WALL MOUNTED RECEPTACLES IN THIS ROOM SHALL BE 3'-0" AFF TO CENTER, UNLESS NOTED OTHERWISE.
2. FLUSH MOUNT DUPLEX ISOLATION POWER PANELBOARD (TWO SEPARATE ISOLATION PANELS IN A SINGLE ENCLOSURE) WITH INTEGRAL LINE ISOLATION MONITOR. BASIS OF DESIGN IS BENDER 'MIX' SERIES ISOLATION PANEL. REFER TO PANEL SCHEDULES FOR ADDITIONAL INFORMATION.
3. COORDINATE THE EXACT DIMENSIONS OF THE WALL FRAMING WITH THE ISOLATION PANEL MANUFACTURER'S APPROVED SHOP DRAWINGS. MECHANICAL PIPING OR DUCTS SHALL NOT BE ROUTED ABOVE THESE PANELS.
4. PROVIDE TWO 3/4" CONDUIT FROM EACH PANEL TO THE CEILING SPACE ABOVE FOR FUTURE USE. CAP WITH PULL STRING AND LABEL AS SPARE.
5. TYPE L6-30R RECEPTACLE, FLUSH MOUNTED, FOR PORTABLE O.R. LASER UNIT. PROVIDE (2)#10, #10G, 3/4"C. VERIFY RECEPTACLE CONFIGURATION WITH ACTUAL EQUIPMENT TO BE PROVIDED PRIOR TO ROUGH-IN, AND PROVIDE CONDUCTORS AS REQUIRED.
6. CONNECTIONS TO O.R. BOOM RECEPTACLES, ELECTRIC BRAKE, MONITORS, AND 120V ACCESSORIES. PROVIDE #12 AWG CONDUCTORS IN 1/2" CONDUIT FOR EACH CIRCUIT. FOR BOOM RECEPTACLES: CONNECT TWO, NON-ADJACENT RECEPTACLES PER CIRCUIT. PROVIDE SEPARATE COMPARTMENTS WITHIN THE BOOM ASSEMBLY TO SEPARATE THE CRITICAL BRANCH WIRING THAT IS SERVED FROM SEPARATE ISOLATION PANELS. BOOM RECEPTACLES SHALL BE HOSPITAL GRADE WITH FACE PLATES IDENTIFIED WITH THE PANEL AND CIRCUIT NUMBER FROM WHICH THEY ARE SERVED.
7. PROVIDE A #6 AWG INSULATED COPPER BONDING JUMPER FROM THE BOOM RACEWAY ENCLOSURE TO THE CONDUITS CONTAINING THE BRANCH CIRCUIT CONDUCTORS SERVING THE BOOM IN ORDER TO MAKE THE BOOM RACEWAY AN EFFECTIVE GROUND-FAULT CURRENT PATH.
8. CONNECTION TO BOOM SURGICAL LIGHT. BOND SURGICAL LIGHT HOUSING TO THE METALLIC CONDUIT SERVING THE FIXTURE. CONNECT TO 120V CRITICAL BRANCH VIA CENTRAL LIGHTING INVERTER CIRCUIT. CONTRACTOR SHALL INSTALL STRYKER-PROVIDED 'UDM' JUNCTION BOX WITHIN 18 INCHES OF SUSPENSION MOUNT AND ACCESSIBLE FROM ACCESS PANEL. PROVIDE CONDUIT AS REQUIRED BY STRYKER CONDUIT SCHEDULE AND PRE-INSTALL MANUAL.
9. PROVIDE 1" CONDUIT FOR SURGICAL CONTROL WIRING PROVIDED BY SURGICAL LIGHT VENDOR. MAXIMUM LENGTH IS 25'.
10. PROVIDE BACKBOX AS REQUIRED FOR BOOM LIGHTING WALL CONTROL PANEL. COORDINATE EXACT LOCATION OF CONTROLLER AND ADDITIONAL REQUIREMENTS WITH BOOM VENDOR.
11. CONNECTION TO ELAPSED TIME CLOCK.
12. NOT USED.
13. FUTURE COR LITE INTEGRATION RACK. VERIFY FINAL LOCATION WITH ARCHITECT AND STRYKER PRIOR TO ROUGH-IN. PROVIDE 12"X12"X4" FLUSH MOUNTED WALL JUNCTION BOX WITH 12"X12" U-PROFILE SPLIT PLATE WITH 6" DIAMETER PASSTHROUGH. ALL INTEGRATION CONDUITS SHALL BE TERMINATED TO THIS JUNCTION BOX. REFER TO STRYKER SITE-SPECIFIC DRAWINGS FOR EQUIPMENT LAYOUT, CONDUIT SCHEDULE, AND PRE-INSTALL MANUAL.
14. RECEPTACLES FOR INTEGRATION RACK. INSTALL PER EQUIPMENT VENDOR REQUIREMENTS.
15. RECEPTACLES FOR FUTURE STRYKER COR LITE TOUCH PANEL. PROVIDE 4"X4" JUNCTION BOX WITH SINGLE-GANG MUD RING. J-BOX SHALL BE MOUNTED WITHIN 18" OF TOUCH PANEL LOCATION. VERIFY FINAL LOCATION WITH STRYKER AND ARCHITECT PRIOR TO ROUGH-IN. QUAD RECEPTACLES SHALL BE MOUNTED TO BE WITHIN 18" OF TOUCH PANEL LOCATION. REFER TO STRYKER SITE-SPECIFIC SHOP DRAWINGS FOR CONDUIT SCHEDULE AND PRE-INSTALL MANUAL.
16. CONNECTION TO PATIENT HEADWALL NORMAL BRANCH RECEPTACLES. SEE ASSOCIATED CIRCUIT SCHEDULE ON THIS SHEET FOR QUANTITY OF CIRCUITS.
17. CONNECTION TO PATIENT HEADWALL CRITICAL BRANCH RECEPTACLES. SEE ASSOCIATED CIRCUIT SCHEDULE ON THIS SHEET FOR QUANTITY OF CIRCUITS.
18. HOMERUN(S) TO PANELBOARD. SEE POWER PLAN (SHEET E1.1A) FOR PANELBOARD AND CIRCUIT NUMBERS.
19. RECEPTACLES PROVIDED ON PATIENT HEADWALL ARE NOT SHOWN ON THIS ENLARGED FLOOR PLAN. REFER TO ASSOCIATED HEADWALL ELEVATION AND SCHEDULE FOR RECEPTACLE QUANTITIES AND CIRCUIT INFORMATION. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT RECEPTACLE LOCATIONS AND DIMENSIONS.
20. CEILING MOUNTED DUPLEX RECEPTACLE IN OPERATING ROOM SHALL BE NEMA 5-20R STRAIGHT BLADE RECEPTACLE, EACH OUTLET ON INDIVIDUAL 6'-0" TYPE S.O. RETRACTABLE CORD DROP WITH STRAIN RELIEF AT EACH END AND STAINLESS STEEL GROMMETED COVERPLATE FLUSH IN CEILING. CONFIRM WITH USERS WHICH SIDE OF GAS OUTLETS TO INSTALL POWER.
21. CONNECTIONS TO STRYKER SERVICE COLUMN WITH SHOULDER MOUNTED 'VPA' AND 'UDM' ARMS. PROVIDE #12 AWG CONDUCTORS IN 3/4" CONDUIT FOR EACH CIRCUIT. PROVIDE A #6 AWG INSULATED COPPER BONDING JUMPER FROM THE SERVICE COLUMN RACEWAY ENCLOSURE TO THE CONDUITS CONTAINING THE BRANCH CIRCUIT CONDUCTORS SERVING THE SERVICE COLUMN IN ORDER TO MAKE THE RACEWAY AN EFFECTIVE GROUND-FAULT CURRENT PATH. CONTRACTOR SHALL INSTALL OUTLET BOXES ON OR NEAR THE MOUNTING PLATE PER STRYKER PRE-INSTALL REQUIREMENTS. CONTRACTOR SHALL INSTALL STRYKER-PROVIDED 'UDM' JUNCTION BOX, MOUNTED WITHIN 18 INCHES OF SUSPENSION MOUNT AND ACCESSIBLE FROM ACCESS PANEL, PER STRYKER PRE-INSTALL REQUIREMENTS.
22. STRYKER RECESSED 'SK' BOX. CONTRACTOR TO VERIFY FINAL LOCATION WITH ARCHITECT AND WITH STRYKER PRIOR TO ROUGH-IN. CONTRACTOR SHALL PROVIDE CONDUIT PER STRYKER CONDUIT SCHEDULE AND PRE-INSTALL MANUAL. CONTRACTOR SHALL MAKE BOTH AC AND DC CONNECTIONS WITHIN THE 'SK' BOX.
23. STRYKER LIGHT CONTROL BOX. CONTRACTOR SHALL PROVIDE CONDUIT PER STRYKER CONDUIT SCHEDULE AND PRE-INSTALL MANUAL. CONTRACTOR SHALL PROVIDE STANDARD 4X4 JUNCTION BOX MOUNTED DIRECTLY BEHIND THE STRYKER-PROVIDED WALL CONTROL BOX, MOUNTED 53 INCHES AFF. ENSURE FRONT OF STRYKER PROVIDED BACKBOX IS FLUSH WITH THE WALL.
24. FUTURE 4-IN-1 WALL PLATE. PROVIDE RACO 256 JUNCTION BOX WITH RACO 782 MUD RING, MOUNTED 18" AFF. REFER TO STRYKER SITE-SPECIFIC SHOP DRAWINGS FOR CONDUIT SCHEDULE AND PRE-INSTALL MANUAL.
25. ELECTRICAL CIRCUITS SERVING THE STRYKER BOOM SHALL BE CONNECTED TO THE S-SERIES JUNCTION BOX. TWO SEPARATE, STRYKER-SUPPLIED JUNCTION BOXES ('TC' AND 'UDM') SHALL BE INSTALLED BY THE CONTRACTOR AND BE WITHIN 18 INCHES OF THE BOOM MOUNT AND ACCESSIBLE FROM THE ACCESS PANEL. REFER TO THE STRYKER SITE-SPECIFIC SHOP DRAWINGS FOR THE CONDUIT SCHEDULE AND PRE-INSTALL MANUAL.

TYPICAL ELEVATION DEVICE LEGEND

DEVICE SYMBOL	EQUIVALENT PLAN SYMBOL AS DEFINED ON LEGEND SHEET	DESCRIPTION
N#		HOSPITAL GRADE NORMAL DUPLEX RECEPTACLE. ALPHA-NUMERIC SUBSCRIPT INDICATES CIRCUIT ID
C#		HOSPITAL GRADE CRITICAL DUPLEX RECEPTACLE. ALPHA-NUMERIC SUBSCRIPT INDICATES CIRCUIT ID

BranchPattern | www.branchpattern.com PROJECT NUMBER: 1201002 BETTER BUILT ENVIRONMENTS

STATE OF MISSOURI — ABHINAV PANDEY — NUMBER PE-2010015824 — 04/30/2024 — PROFESSIONAL ENGINEER

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. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
BranchPattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	2/8/2023
Job Number	3-22030
Drawn By	AE
Checked By	JB, AP

Revision

Number	Date	Description
2	2/20/23	ADDENDUM #2
4	10/5/23	ASI #1
8	2/7/24	ASI #4
9	4/29/24	ASI #6

E4.1

© 2022 ACI/BOLAND, Inc

ENLARGED ELECTRICAL PLANS

4/29/2024 8:52:05 PM

BranchPattern | www.branchpattern.com PROJECT NUMBER: 1201002 BETTER BUILT ENVIRONMENTS

Branch Panel: NL1

Location: ELEC 197
Supply From: T-NL1
Mounting: SURFACE
Enclosure: Type 1
Phase Created: New Construction

Volts: 208Y/120V
Phases: 3
Wires: 4

K.A.I.C. Rating: 10
Mains Type: MCB
Mains / Design Rating: 150 A
Bus Rating: 150 A

Notes	CKT NO.	Circuit Description	Load Classification	Trip	Poles	A		B		C		Poles	Trip	Load Classification	Circuit Description	CKT NO.	Notes
	1	REC: 172, 174, 176	R	20 A	1	720	720					1	20 A	R	REC: HEADWALL 124	2	
	3	REC: 176, 178	R	20 A	1			900	720			1	20 A	R	REC: HEADWALL 126	4	
	5	REC: 171	R	20 A	1					720	720	1	20 A	R	REC: HEADWALL 128	6	
	7	REC: 175, 177	R	20 A	1	720	1,080					1	20 A	R	REC: 171, 182	8	
	9	REC: 173, 198, 199	R	20 A	1			360	1,200			1	20 A	E	J-BOX: STERILIZER CTRLS	10	
	11	REC: 186	R	20 A	1					900	1,200	1	20 A	E	J-BOX: STERILIZER CTRLS	12	
	13	REC: 190, 191	R	20 A	1	1,080	360					1	20 A	R	REC: 195	14	
	15	REC: 192 WRKSTN	R	20 A	1			720	180			1	20 A	R	REC: ELEC ROOM 197	16	
	17	REC: 192	R	20 A	1					1,080	600	1	20 A	R	LIGHTING CONTROL PANEL	18	
	19	REC: ROOF EAST	R	20 A	1	720	1,500					1	20 A	E	AC-1	20	
	21	REC: ROOF WEST	R	20 A	1			720	180			1	20 A	R	REC: 168 TIMECLOCK	22	
	23	J-BOX: MONUMENT SIGN	E	20 A	1					600	1,080	1	20 A	R	REC: 187 WIREMOLD	24	
	25	LTG: LOBBY PENDANTS	L	20 A	1	90	1,080					1	20 A	R	REC: 187 WIREMOLD	26	
	27	J-BOX: BUILDING SIGNAGE	E	20 A	1			360	900			1	20 A	R	REC: 187 WIREMOLD	28	
	29	J-BOX: BUILDING SIGNAGE	E	20 A	1					360	900	1	20 A	R	REC: 187 WIREMOLD	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	CU-2 & SS-2	E	30 A	2					2,080	0	2	40 A	--	SPARE	42	
	43					2,080	0									44	
	45	CU-3 & SS-3	E	30 A	2			2,080	2,500			2	40 A	E	EV CHARGING STATION	46	
	47									2,080	2,500					48	
	49	CU-4 & SS-4	E	30 A	2	2,080	2,500					2	40 A	E	EV CHARGING STATION	50	
	51							2,080	2,500							52	
	53	CU-5 & SS-5	E	30 A	2					2,080	0	2	40 A	--	SPARE	54	
	55					2,080	0									56	
	57	SPARE	--	30 A	2			0	--			1	--	--	BUSSED SPACE	58	
	59									0	--	1	--	--	BUSSED SPACE	60	
	61	BUSSED SPACE	--	--	1	--	--					1	--	--	BUSSED SPACE	62	
	63	BUSSED SPACE	--	--	1			--	--			1	--	--	BUSSED SPACE	64	
	65	BUSSED SPACE	--	--	1					--	--	1	--	--	BUSSED SPACE	66	
	67	BUSSED SPACE	--	--	1	--	--					1	--	--	BUSSED SPACE	68	
	69	BUSSED SPACE	--	--	1			--	--			1	--	--	BUSSED SPACE	70	
	71	BUSSED SPACE	--	--	1					--	--	1	--	--	BUSSED SPACE	72	
					Total Load:	16,810 VA		15,400 VA		16,900 VA							
					Total Amps:	142 A		128 A		143 A							

	Load Classification		Connected Load	Demand Factor	NEC Demand Load	Phase Balance
L	Lighting		90 VA	125.00%	113 VA	
C	Continuous		0 VA	0.00%	0 VA	92 % A-B
R	Total Receptacle Load	1st 10,000 VA	10,000 VA	100%	10,000 VA	92 % B-C
	17,160 VA	Remaining	7,160 VA	50%	3,580 VA	100 % C-A
M	Total Motor Load	Largest Motor	0 VA	0.00%	0 VA	
	0 VA	Remaining	0 VA	0.00%	0 VA	
E	Equipment		31,860 VA	80.00%	25,488 VA	
A	Appliance		0 VA	0.00%	0 VA	
LC	Load Center (# of...	0	0 VA	0.00%	0 VA	

Panel Totals
Connected Load (VA): 49,110 VA
NEC Demand Load (VA): 39,181 VA
Connected Load (A): 136 A
NEC Demand Load (A): 109 A
Spare Capacity (A): 41 A
Spare Capacity (%): 27

Notes:

Branch Panel: NL2

Location: ELEC 179
Supply From: T-NL2
Mounting: SURFACE
Enclosure: NEMA 1
Phase Created: New Construction

Volts: 208Y/120V
Phases: 3
Wires: 4

K.A.I.C. Rating: 10
Mains Type: MCB
Mains / Design Rating: 150 A
Bus Rating: 150 A

Notes	CKT NO.	Circuit Description	Load Classification	Trip	Poles	A		B		C		Poles	Trip	Load Classification	Circuit Description	CKT NO.	Notes
	1	REC: 105 COPIER	R	20 A	1	1,000	720					1	20 A	R	REC: HEADWALL 115	2	
	3	REC: 105	R	20 A	1			540	720			1	20 A	R	REC: HEADWALL 117	4	
	5	REC: 105 SHREDDER	R	20 A	1					1,080	720	1	20 A	R	REC: HEADWALL 121	6	
	7	REC: 102 COUNTER	R	20 A	1	540	720					1	20 A	R	REC: HEADWALL 125	8	
	9	REC: 102, 103, 104	R	20 A	1			1,260	900			1	20 A	R	REC: TV 121 & 125	10	
	11	REC: 100	R	20 A	1					720	720	1	20 A	R	REC: HEADWALL 127	12	
	13	REC: 101, 112, 113	R	20 A	1	1,080	720					1	20 A	R	REC: HEADWALL 116	14	
	15	REC: 100 EWC	R	20 A	1			1,000	720			1	20 A	R	REC: HEADWALL 133	16	
	17	REC: 100B COUNTER	R	20 A	1					800	360	1	20 A	R	REC: 118 COUNTER	18	
	19	REC: 100B TV & BENCH	R	20 A	1	720	900					1	20 A	R	REC: 122, 132	20	
	21	REC: 111	R	20 A	1			900	900			1	20 A	R	REC: 135, 137	22	
	23	REC: 109	R	20 A	1					1,080	720	1	20 A	R	REC: 137, 164	24	
	25	J-BOX: 110 BADGE MAKER	E	20 A	1	0	720					1	20 A	R	REC: HEADWALL 132	26	
	27	REC: 108	R	20 A	1			360	720			1	20 A	R	REC: HEADWALL 134	28	
	29	REC: 108	R	20 A	1					360	720	1	20 A	R	REC: HEADWALL 136	30	
	31	REC: 107, 114, 131	R	20 A	1	1,080	720					1	20 A	R	REC: HEADWALL 138	32	
	33	REC: 151	R	20 A	1			720	720			1	20 A	R	REC: HEADWALL 142	34	
	35	REC: 152	R	20 A	1					1,260	720	1	20 A	R	REC: HEADWALL 144	36	
	37	REC: 153, 150 TV	R	20 A	1	1,080	720					1	20 A	R	REC: HEADWALL 146	38	
	39	REC: 154, 155	R	20 A	1			720	180			1	20 A	R	REC: 166 COUNTER	40	
	41	REC: 156	R	20 A	1					1,260	180	1	20 A	R	REC: 166 COFFEE	42	
	43	REC: 157	R	20 A	1	720	180					1	20 A	R	REC: 166 ICE WATER	44	
	45	REC: 148, 167, 169	R	20 A	1			1,080	180			1	20 A	R	REC: 166 DISHWASHER	46	G 9
	47	REC: 165	R	20 A	1					900	180	1	20 A	R	REC: 166 DISPOSAL	48	
	49	REC: 163	R	20 A	1	900	180					1	20 A	R	REC: 166 COUNTER	50	
	51	REC: 161	R	20 A	1			900	180			1	20 A	R	REC: 166 COUNTER	52	
	53	REC: 162	R	20 A	1					900	180	1	20 A	R	REC: 166 MICROWAVE	54	
	55	REC: 129	R	20 A	1	900	180					1	20 A	R	REC: 166 MICROWAVE	56	
	57	CUH-1	E	20 A	1			720	900			1	20 A	R	REC: 166, 166 TV	58	
	59	CUH-2	E	20 A	1					720	360	1	20 A	R	REC: 166 BENCH	60	
	61	BUSSED SPACE	--	--	1	--	--					1	--	--	BUSSED SPACE	62	
	63	BUSSED SPACE	--	--	1			--	--			1	--	--	BUSSED SPACE	64	
	65	BUSSED SPACE	--	--	1					--	--	1	--	--	BUSSED SPACE	66	
	67	BUSSED SPACE	--	--	1	--	--					1	--	--	BUSSED SPACE	68	
	69	BUSSED SPACE	--	--	1			--	--			1	--	--	BUSSED SPACE	70	
	71	BUSSED SPACE	--	--	1					--	--	1	--	--	BUSSED SPACE	72	
					Total Load:	13,780 VA		14,320 VA		13,940 VA							
					Total Amps:	115 A		120 A		116 A							

	Load Classification		Connected Load	Demand Factor	NEC Demand Load	Phase Balance
L	Lighting		0 VA	0.00%	0 VA	
C	Continuous		0 VA	0.00%	0 VA	97 % A-B
R	Total Receptacle Load	1st 10,000 VA	10,000 VA	100%	10,000 VA	98 % B-C
	40,600 VA	Remaining	30,600 VA	50%	15,300 VA	99 % C-A
M	Total Motor Load	Largest Motor	0 VA	0.00%	0 VA	
	0 VA	Remaining	0 VA	0.00%	0 VA	
E	Equipment		1,440 VA	80.00%	1,152 VA	
A	Appliance		0 VA	0.00%	0 VA	
LC	Load Center (# of...	0	0 VA	0.00%	0 VA	

Panel Totals
Connected Load (VA): 42,040 VA
NEC Demand Load (VA): 26,452 VA
Connected Load (A): 117 A
NEC Demand Load (A): 73 A
Spare Capacity (A): 77 A
Spare Capacity (%): 51

Notes:
G - GFCI BREAKER

Branch Panel: CRH1

Location: EM ELEC ROOM 196
Supply From: ATS-CR1
Mounting: SURFACE
Enclosure: Type 1
Phase Created: New Construction

Volts: 480Y/277V
Phases: 3
Wires: 4

K.A.I.C. Rating: 50
Mains Type: MCB
Mains / Design Rating: 225 A
Bus Rating: 225 A

Notes	CKT NO.	Circuit Description	Load Classification	Trip	Poles	A		B		C		Poles	Trip	Load Classification	Circuit Description	CKT NO.	Notes
	1					5,400	2,520					2	30 A	Spare; R	OR1A	2	
	3	T-CRL1	Spare; R	70 A	3			6,160	2,520							4	
	5									5,760	2,520	2	30 A	Spare; R	OR2A	6	
	7	LI-1	Spare; L	25 A	1	2,608	2,520									8	
	9	LTG: OR & STAFF SUPPORT	L	20 A	1			606	2,520			2	30 A	Spare; R	OR3A	10	
	11	LTG: PREP/RECOVERY & GI	L	20 A	1					2,803	2,520					12	
	13	SPARE	--	20 A	1	0	0					2	30 A	--	SPARE	14	
	15	SPARE	--	20 A	1			0	0							16	
	17	SPARE	--	20 A	1					0	--	1	--	--	BUSSED SPACE	18	
	19	SPARE	--	20 A	1	0	--					1	--	--	BUSSED SPACE	20	
	21	SPARE	--	20 A	1			0	--			1	--	--	BUSSED SPACE	22	
	23	SPARE	--	20 A	1					0	--	1	--	--	BUSSED SPACE	24	
	25	SPARE	--	20 A	1	0	--					1	--	--	BUSSED SPACE	26	
	27	SPARE	--	20 A	1			0	--			1	--	--	BUSSED SPACE	28	
	29	SPARE	--	20 A	1					0	--	1	--	--	BUSSED SPACE	30	
	31	BUSSED SPACE	--	--	1	--	--					1	--	--	BUSSED SPACE	32	
	33	BUSSED SPACE	--	--	1			--	--			1	--	--	BUSSED SPACE	34	
	35	BUSSED SPACE	--	--	1					--	--	1	--	--	BUSSED SPACE	36	
	37					0	--					1	--	--	BUSSED SPACE	38	
	39	SURGE PROTECTION DEVICE (SPD)	--	30 A	3			0	--			1	--	--	BUSSED SPACE	40	
	41									0	--	1	--	--	BUSSED SPACE	42	
					Total Load:	13,048 VA		11,806 VA		13,603 VA							
					Total Amps:	48 A		43 A		50 A							

	Load Classification		Connected Load	Demand Factor	NEC Demand Load	Phase Balance
L	Lighting		6,017 VA	125.00%	7,521 VA	
C	Continuous		0 VA	0.00%	0 VA	91 % A-B
R	Total Receptacle Load	1st 10,000 VA	10,000 VA	100%	10,000 VA	87 % B-C
	32,440 VA	Remaining	22,440 VA	50%	11,220 VA	96 % C-A
M	Total Motor Load	Largest Motor	0 VA	0.00%	0 VA	
	0 VA	Remaining	0 VA	0.00%	0 VA	
E	Equipment		0 VA	0.00%	0 VA	
A	Appliance		0 VA	0.00%	0 VA	
LC	Load Center (# of...	0	0 VA	0.00%	0 VA	

Panel Totals
Connected Load (VA): 38,457 VA
NEC Demand Load (VA): 28,741 VA
Connected Load (A): 46 A
NEC Demand Load (A): 35 A
Spare Capacity (A): 190 A
Spare Capacity (%): 85

Notes:

Branch Panel: CRL1

Location: EM ELEC ROOM 196
Supply From: T-CRL1
Mounting: SURFACE
Enclosure: NEMA 1
Phase Created: New Construction

Volts: 208Y/120V
Phases: 3
Wires: 4

K.A.I.C. Rating: 10
Mains Type: MCB
Mains / Design Rating: 150 A
Bus Rating: 150 A

Notes	CKT NO.	Circuit Description	Load Classification	Trip	Poles	A		B		C		Poles	Trip	Load Classification	Circuit Description	CKT NO.	Notes
	1	REC: HEADWALL 124	R	20 A	1	540	180					1	20 A	R	REC: 178	2	
	3	REC: HEADWALL 124	R	20 A	1			540	1,000			1	20 A	R	REC: 176 CRYOSTAT	4	
	5	REC: HEADWALL 126	R	20 A	1					540	600	1	20 A	R	REC: 176 CENTRIFUGE	6	
	7	REC: HEADWALL 126	R	20 A	1	540	600					1	20 A	R	REC: 172 NEPTUNE	8	
	9	REC: HEADWALL 128	R	20 A	1			540	600			1	20 A	R	REC: 172 NEPTUNE	10	
	11	REC: HEADWALL 128	R	20 A	1					540	1,200	1	20 A	R	REC: 171 LOW-TEMP...	12	
	13	REC: OR#1 LASER	R	30 A	2	1,080	1,200					1	20 A	R	REC: 171 LOW-TEMP...	14	
	15							1,080	600			1	20 A	R	REC: 171	16	
	17	REC: OR#2 LASER	R	30 A	2					1,080	360	1	20 A	R	9 REC: 167 BLANKET WARM	18	
	19					1,080	180					1	20 A	R	REC: ELEC ROOM 196	20	
	21	REC: OR#3 LASER	R	30 A	2			1,080	720			1	20 A	R	REC: 0A3 STOR 199	22	A 9
	23									1,080	360	1	20 A	R	REC: 167 CRASH CART	24	A 9
	25	SPARE	--	30 A	2	0	0					1	20 A	--	SPARE	26	
	27							0	0			1	20 A	--	SPARE	28	
	29	REC: OR#1 INTEGRATION	--	20 A	1					0	0	1	20 A	--	SPARE	30	
	31	REC: OR#1 INTEGRATION	--	20 A	1	0	0					1	20 A	--	SPARE	32	
	33	REC: OR#2 INTEGRATION	--	20 A	1			0	0			1	20 A	--	SPARE	34	
	35	REC: OR#2 INTEGRATION	--	20 A	1					0	0	1	20 A	--	SPARE	36	
	37	REC: OR#3 INTEGRATION	--	20 A	1	0	0					1	20 A	--	SPARE	38	
	39	REC: OR#3 INTEGRATION	--	20 A	1			0	0			1	20 A	--	SPARE	40	
	41	SPARE	--	20 A	1					0	0	1	20 A	--	SPARE	42	
	43	SPARE	--	20 A	1	0	0					1	20 A	--	SPARE	44	
	45	SPARE	--	20 A	1			0	0			1	20 A	--	SPARE	46	
	47	SPARE	--	20 A	1					0	0	1	20 A	--	SPARE	48	
	49	BUSSED SPACE	--	--	1	--	--					1	--	--	BUSSED SPACE	50	
	51	BUSSED SPACE	--	--	1			--	--			1	--	--	BUSSED SPACE	52	
	53	BUSSED SPACE	--	--	1					--	--	1	--	--	BUSSED SPACE	54	
	55	BUSSED SPACE	--	--	1	--	--					1	--	--	BUSSED SPACE	56	
	57	BUSSED SPACE	--	--	1			--	--			1	--	--	BUSSED SPACE	58	
	59	BUSSED SPACE	--	--	1					--	--	1	--	--	BUSSED SPACE	60	
	61	BUSSED SPACE	--	--	1	--	--					1	--	--	BUSSED SPACE	62	
	63	BUSSED SPACE	--	--	1			--	--			1	--	--	BUSSED SPACE	64	
	65	BUSSED SPACE	--	--	1					--	--	1	--	--	BUSSED SPACE	66	
	67					0	--					1	--	--	BUSSED SPACE	68	
	69	SURGE PROTECTION DEVICE (SPD)	--	30 A	3			0	--			1	--	--	BUSSED SPACE	70	
	71									0	--	1	--	--	BUSSED SPACE	72	
					Total Load:	5,400 VA		6,160 VA		5,760 VA							
					Total Amps:	45 A		52 A		48 A							

	Load Classification		Connected Load	Demand Factor	NEC Demand Load	Phase Balance
L	Lighting		0 VA	0.00%	0 VA	
C	Continuous		0 VA	0.00%	0 VA	88 % A-B
R	Total Receptacle Load	1st 10,000 VA	10,000 VA	100%	10,000 VA	94 % B-C
	17,320 VA	Remaining	7,320 VA	50%	3,660 VA	94 % C-A
M	Total Motor Load	Largest Motor	0 VA	0.00%	0 VA	
	0 VA	Remaining	0 VA	0.00%	0 VA	
E	Equipment		0 VA	0.00%	0 VA	
A	Appliance		0 VA	0.00%	0 VA	
LC	Load Center (# of...	0	0 VA	0.00%	0 VA	

Panel Totals
Connected Load (VA): 17,320 VA
NEC Demand Load (VA): 13,660 VA
Connected Load (A): 48 A
NEC Demand Load (A): 38 A
Spare Capacity (A): 112 A
Spare Capacity (%): 75

Notes:

Branch Panel: CRH2

Location: EM ELEC ROOM 196
Supply From: ATS-CR2
Mounting: SURFACE
Enclosure: Type 1
Phase Created: New Construction

Volts: 480Y/277V
Phases: 3
Wires: 4

K.A.I.C. Rating: 50
Mains Type: MCB
Mains / Design Rating: 225 A
Bus Rating: 225 A

Notes	CKT NO.	Circuit Description	Load Classification	Trip	Poles	A		B		C		Poles	Trip	Load Classification	Circuit Description	CKT NO.	Notes
	1					15,520	2,700					2	30 A	Spare; R; E	OR1B	2	
	3	T-CRL2	Spare; R; E	70 A	3			13,680	2,660							4	
	5									14,580	2,700	2	30 A	Spare; R; E	OR2B	6	
	7	LTG: OR#1, OR#2, OR#3	L	20 A	1	2,736	2,660									8	
	9	SPARE	--	20 A	1			0	2,700			2	30 A	Spare; R; E	OR3B	10	
	11	SPARE	--	20 A	1					0	2,660					12	
	13	SPARE	--	20 A	1	0	0					2	30 A	--	SPARE	14	
	15	SPARE	--	20 A	1			0	0							16	
	17	SPARE	--	20 A	1					0	--	1	--	--	BUSSED SPACE	18	
	19	SPARE	--	20 A	1	0	--					1	--	--	BUSSED SPACE	20	
	21	SPARE	--	20 A	1			0	--			1	--	--	BUSSED SPACE	22	
	23	SPARE	--	20 A	1					0	--	1	--	--	BUSSED SPACE	24	
	25	SPARE	--	20 A	1	0	--					1	--	--	BUSSED SPACE	26	
	27	SPARE	--	20 A	1			0	--			1	--	--	BUSSED SPACE	28	
	29	SPARE	--	20 A	1					0	--	1	--	--	BUSSED SPACE	30	
	31	BUSSED SPACE	--	--	1	--	--					1	--	--	BUSSED SPACE	32	
	33	BUSSED SPACE	--	--	1			--	--			1	--	--	BUSSED SPACE	34	
	35	BUSSED SPACE	--	--	1					--	--	1	--	--	BUSSED SPACE	36	
	37					0	--					1	--	--	BUSSED SPACE	38	
	39	SURGE PROTECTION DEVICE (SPD)	--	30 A	3			0	--			1	--	--	BUSSED SPACE	40	
	41									0	--	1	--	--	BUSSED SPACE	42	
					Total Load:	23,616 VA		19,040 VA		19,940 VA							
					Total Amps:	86 A		69 A		72 A							

	Load Classification		Connected Load	Demand Factor	NEC Demand Load	Phase Balance
L	Lighting		2,736 VA	125.00%	3,420 VA	
C	Continuous		0 VA	0.00%	0 VA	81 % A-B
R	Total Receptacle Load	1st 10,000 VA	10,000 VA	100%	10,000 VA	96 % B-C
	55,000 VA	Remaining	45,000 VA	50%	22,500 VA	85 % C-A
M	Total Motor Load	Largest Motor	0 VA	0.00%	0 VA	
	0 VA	Remaining	0 VA	0.00%	0 VA	
E	Equipment		4,860 VA	80.00%	3,888 VA	
A	Appliance		0 VA	0.00%	0 VA	
LC	Load Center (# of...	0	0 VA	0.00%	0 VA	

Panel Totals
Connected Load (VA): 62,596 VA
NEC Demand Load (VA): 39,808 VA
Connected Load (A): 75 A
NEC Demand Load (A): 48 A
Spare Capacity (A): 177 A
Spare Capacity (%): 79

Notes:

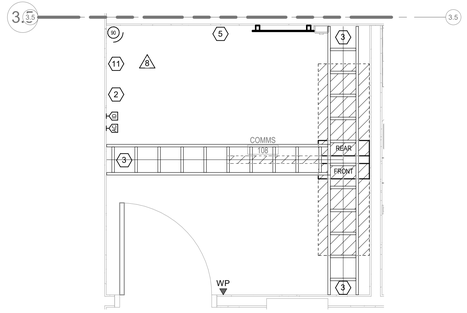
Branch Panel: CRL2

Location: ELEC 179
Supply From: T-CRL2
Mounting: SURFACE
Enclosure: NEMA 1
Phase Created: New Construction

Volts: 208Y/120V
Phases: 3
Wires: 4

K.A.I.C. Rating: 10
Mains Type: MCB
Mains / Design Rating: 150 A
Bus Rating: 150 A

Notes	CKT NO.	Circuit Description	Load Classification	Trip	Poles	A		B		C		Poles	Trip	Load Classification	Circuit Description	CKT NO.	Notes
	1	REC: HEADWALL 132	R	20 A	1	540	540					1	20 A	R	REC: HEADWALL 138	2	
	3	REC: HEADWALL 132	R	20 A	1			540	540			1	20 A	R	REC: HEADWALL 138	4	
	5	REC: HEADWALL 134	R	20 A	1					540	540	1	20 A	R	REC: HEADWALL 142	6	
	7	REC: HEADWALL 134	R	20 A	1	540	540					1	20 A	R	REC: HEADWALL 142	8	
	9	REC: HEADWALL 136	R	20 A	1			540	540			1	20 A	R	REC: HEADWALL 144	10	
	11	REC: HEADWALL 136	R	20 A	1					540	540	1	20 A	R	REC: HEADWALL 144	12	
	13	REC: HEADWALL 133	R	20 A	1	540	540					1	20 A	R	REC: HEADWALL 146	14	
	15	REC: HEADWALL 133	R	20 A	1			540	540			1	20 A	R	REC: HEADWALL 146	16	
	17	REC: HEADWALL 116	R	20 A	1					540	540	1	20 A	R	REC: HEADWALL 121	18	
	19	REC: HEADWALL 116	R	20 A	1	540	540					1	20 A	R	REC: HEADWALL 121	20	
	21	REC: HEADWALL 115	R	20 A	1			540	540			1	20 A	R	REC: HEADWALL 125	22	
	23	REC: HEADWALL 115	R	20 A	1					540	540	1	20 A	R	REC: HEADWALL 125	24	
	25	REC: HEADWALL 117	R	20 A	1	540	540					1	20 A	R	REC: HEADWALL 127	26	
	27	REC: HEADWALL 117	R	20 A	1			540	540			1	20 A	R	REC: HEADWALL 127	28	
	29	REC: 152	R	20 A	1					1,080	1,000	1	20 A	R	REC: 118 WARM CABINET	30	
	31	REC: 152 ENDO CART	R	20 A	1	360	900					1	20 A	R	REC: 118 NURSE DESK	32	
	33	J-BOX: 152 GI BOOM	E	20 A	1			360	900			1	20 A	R	REC: 118 NURSE DESK	34	
	35	J-BOX: 152 GI BOOM	E	20 A	1					360	1,000	1	20 A	R	REC: 132 ICE MAKER	36	
	37	J-BOX: 152 GI BOOM	E	20 A	1	360	1,000					1	20 A	R	REC: 132 REFRIGERATOR	38	
	39	REC: 154 DRYING CABINET	R	20 A	1			1,000	1,000			1	20 A	R	REC: 135 ICE	40	
	41	REC: 153, 155	R	20 A	1					360	720	1	20 A	R	REC: 122 REFRIGERATOR	42	
	43	REC: 155 MEDIVATOR	R	20 A	1	1,000	360					1	20 A	R	REC: 122 WRKSTN	44	
	45	REC: 156	R	20 A	1			1,080	720			1	20 A	R	REC: 122 REFRIGERATOR	46	
	47	REC: 156 ENDO CART	R	20 A	1					360	1,800	1	20 A	R	REC: 108 R



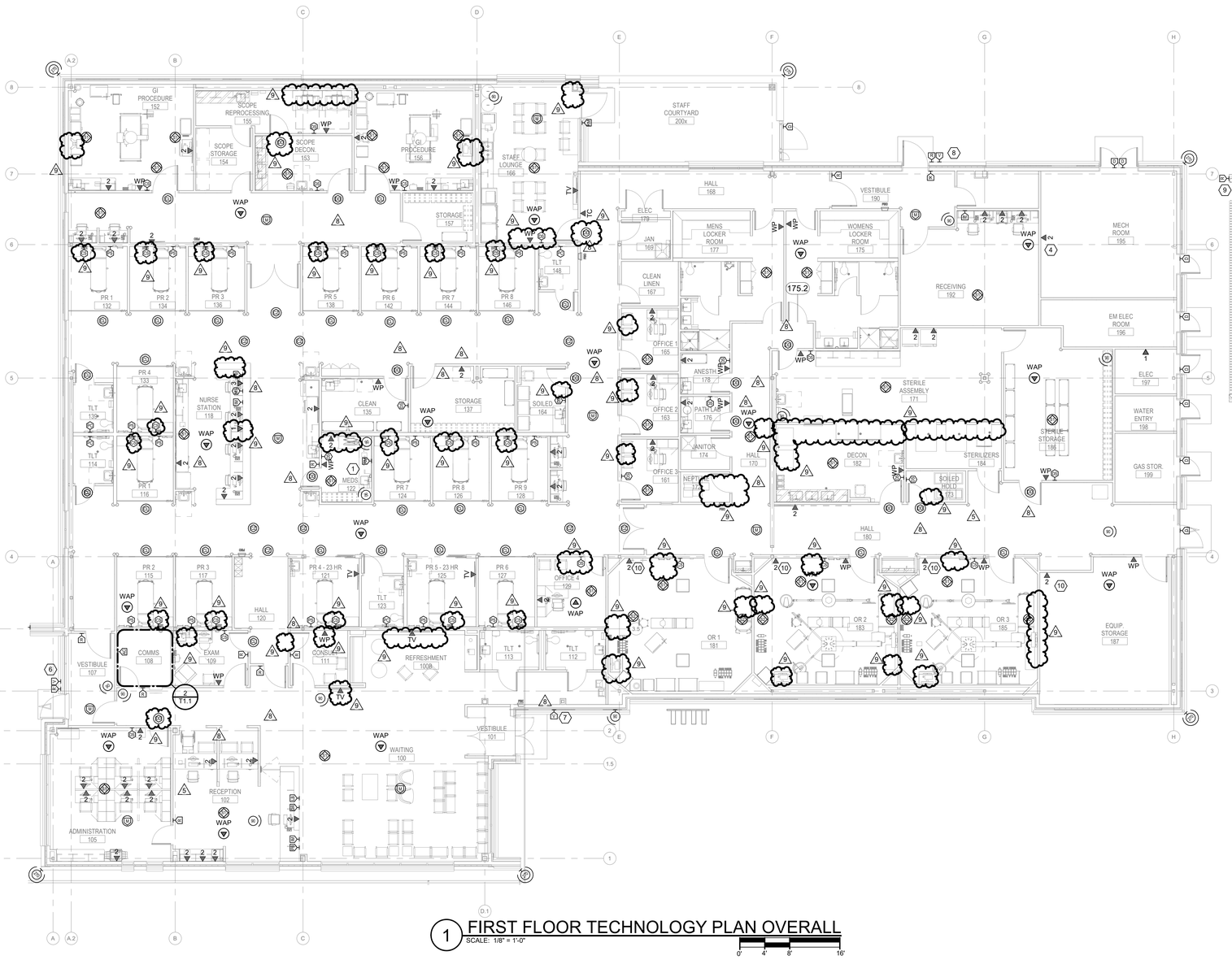
2 ENLARGED COMMS 108
SCALE: 1/2" = 1'-0"

KEY NOTES (THIS SHEET)

1. CONTRACTOR TO COORDINATE INFRASTRUCTURE FOR MED CABINET ACCESS CONTROL. BOTH UPPER CABINET DOORS SHALL BE PROTECTED WITH CARD READERS AND MAG-LOCKS. CONTRACTOR TO COORDINATE BACK BOX NEEDS FOR ACCESS CONTROL COMPONENTS TO ALLOW CARD READER ACCESS TO MED CABINETS. MED CABINET DOORS SHALL BE MONITORED USING DPS.
2. CONTRACTOR TO INSTALL (3) 4" CONDUITS WITH PULL STRING TO SERVICE PROVIDER VAULT FOR INCOMING SERVICES. REFERENCE ELECTRICAL SITE PLAN FOR CONDUIT FLOOR PENETRATION LOCATIONS. CONDUIT ROUTING TO BE DELEGATED DESIGN.
3. CONTRACTOR TO INSTALL 4" EZPATH SYSTEM FOR IT ROOM WALL PENTRATIONS. SIZED APPROPRIATELY FOR CABLE FILL OF CABLES BEING INITIALLY INSTALLED PLUS 25% GROWTH CAPABILITY FOR FUTURE CABLING.
4. CONTRACTORS TO COORDINATE DATA CABLING AND BACK BOX/CONDUIT LOCATOIN FOR BAS PANEL IN MECHANICAL ROOM.
5. CONTRACTOR TO PROVIDE ROOF PENETRATION FOR FUTURE DISTRIBUTED ANTENNA SYSTEM (DAS). REFERENCE ARCHITECTURAL DRAWINGS FOR LOCATION, SIZING, AND PENETRATION DETAILS.
6. DOOR INTERCOM SHALL NOTIFY NURSE STATION MASTER STATION FIRST, THEN RECEPTION MASTER STATION.
7. DOOR INTERCOM SHALL NOTIFY RECEPTION DESK MASTER STATION FIRST, THEN NURSE STATION MASTER STATION.
8. DOOR INTERCOM SHALL NOTIFY RECEIVING DESK MASTER STATION FIRST, THEN RECEPTION MASTER STATION.
9. INSTALL (1) 2" CONDUIT TO COMMS #108 FOR INFRASTRUCTURE PATHWAY FOR MECH YARD CARD READER.
10. NETWORK INFRASTUCTURE FOR STRYKER COR LITE. CONTRACTOR TO COORDINATE CABLE ROUTING TO DEVICE.
11. APPROXIMATE LOCATION OF RAULAND BORG 5000 SERIES TERMINAL CABINET. REFER TO MANUFACTURER SPECIFICATIONS FOR MOUNTING REQUIRMENTS. CONFIRM FINAL MOUNTING LOCATION WITH OWNER PRIOR TO INSTALLATION.

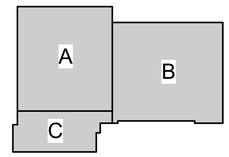
GENERAL NOTES (THIS SHEET)

1. PROVIDE 3/4" FIRE-RATED PLYWOOD ON ALL WALLS WITHIN I.T. #108. PLYWOOD IS TO COVER WALL TO WALL WITH NO GAPS. PLYWOOD SHALL BE PAINTED WITH FIRE-RATED PAINT TO MATCH ROOM COLOR.
2. NOTE RESPONSIBILITY MATRIX FOR EQUIPMENT TO BE INSTALLED UNDER THIS CONTRACT, LISTS AS "CONTRACTOR" VS. ITEMS FOR AN OWNER-DIRECT VENDOR OUTSIDE OF THIS CONTRACT, LABEL "OWNER VENDOR", SOME OF WHICH IS SHOWN ON PLANS FOR COORDINATION. BACK BOXES AND PATHWAY IS REQUIRED UNDER THIS CONTRACT FOR ALL SHOWN EQUIPMENT, REGARDLESS OF PARTY INSTALLING THE EQUIPMENT.
3. CONTRACTOR TO ENLIST FIRESTOPPING AGENT TO INSTALL ALL FIRESTOPPING AND PENETRATIONS. AGENT SHALL INSTALL EZ-PATH44 FIRESTOPPING PENETRATIONS IN ALL SMOKE / FIREWALLS, MINIMUM OF TRIPLE BANK AT EACH PRIMARY PATHWAY PENTRATION AND ONE AT EACH SECONDARY PATHWAY PENETRATION. ALL OTHER NON-RATED PENETRATIONS SHALL BE NON-RATED EZ-PATH DEVICES USING SAME INSTALLATION METHODS AS RATED PENETRATIONS . COORDINATE WITH OWNER PRIOR FOR SIGN-OFF ON PENETRATION LOCATIONS AND QUANTITIES PRIOR TO INSTALLATION.
4. NETWORK AND DISTRIBUTION RACKS ARE SHOW FOR INFORMATION ONLY. COORDINATE FINAL RACK LAYOUT AND CONFIGURATION WITH OWNER IT AND OBTAIN SIGN-OFF PRIOR TO INSTALLATION. CONTRACTORS TO COORDINATE WITH OTHER TRADES AND OWNER FOR ALL RACK-MOUNTED EQUIPMENT AND POWER NEEDS AND INSTALL ACCORDINGLY.
5. CONTRACTOR TO COORDINATE WITH FINAL OR VENDOR SHOP DRAWINGS FOR LOW VOLTAGE INFRASTRUCTURE LOCATION REQUIREMENTS.
6. CONTRACTOR TO COORDINATE CABLE ROUTING WITH FURNITURE VENDOR.



1 FIRST FLOOR TECHNOLOGY PLAN OVERALL
SCALE: 1/8" = 1'-0"

0' 4' 8' 16'



KEYPLAN

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. Ste. 400
Overland Park, KS 66210
913.663.1900

STRUCTURAL CONSULTANT
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111
816.531.4144

MEP CONSULTANT
BranchPattern
1508 Grand Boulevard
Kansas City, MO 64108
913.951.8311

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	2/8/2023
Job Number	3-22030
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description
5	11/8/23	ASI #2
8	2/7/24	ASI #4
9	4/29/24	ASI #6

T1.1

© 2022 ACI/BOLAND, Inc

FIRST FLOOR TECHNOLOGY PLAN - OVERALL