

ADDENDUM NO. 2

June 8, 2023

**Noblesville Ambulatory Surgery Center
14065 Borg Warner Drive
Noblesville, IN 46060**

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated June 7, 2023, by Boulder and Associates. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 2-1 through ADD 2-2 and attached Bidder's RFI Log, and attached Boulder Associates Addendum No. 2 dated June 7, 2023, consisting of 100 Pages, Specification Section: 087100 – Door Hardware, Addendum Drawings: A-G0.01, A-A2.10A, A-A2.10B, A-A2.10C, A-A2.10D, A-A2.51, A-A6.10, B-G0.01, B-A2.10A, B-A2.10B, B-A2.10C, B-A2.10D, B-A2.21, B-A2.30A, B-A2.50, B-A2.51, B-A6.10, B-A6.11, S2.21, S2.22, S2.31, S2.32, E2.01A, E5.02, A-E2.01B, A-E4.01, B-E4.01, A-P8.02, A-P8.03, TS0.05, and TS1.01

A. SPECIFICATION SECTION 01 12 00 MULTIPLE CONTRACT SUMMARY

D. Bid Category No. 4 – Masonry

Add the following Clarifications:

8. Bid Category No.4 to provide Rigid Insulation at Masonry Locations.

H. Bid Category No. 8 – Metal Framing, Insulation & Drywall

Add the Following Sections

Section 07 21 00 Thermal Insulation

Add the following Clarifications:

4. Bid Category 8 to provide and install window mullion mates (6/B-A7.11)

L. Bid Category No. 11 – Casework & Millwork

Add the following Clarifications:

1. Bid Category 11 to provide tackboard and bench upholstery as indicated.

M. Bid Category No. 12 – Fire Protection

Add the following Clarifications:

4. Bid Category 12 to acoustical caulk at wall penetrations generated by Bid Category 14.
Fire Caulking by Bid Category 3.

N. Bid Category No. 13 – HVAC & Plumbing

Add the following Clarifications:

4. Bid Category 13 to acoustical caulk at wall penetrations generated by Bid Category 14.
Fire Caulking by Bid Category 3.

O. Bid Category No. 14 – Electrical & Technology

Add the following Clarifications:

3. Bid Category 14 to acoustical caulk at wall penetrations generated by Bid Category 14.
Fire Caulking by Bid Category 3.

Noblesville ASC Bidder Questions		Response
No.	Question	
1	Section 10 21 13.23 Has the title listed twice in the header	Updated. See Revised Specification Book
2	Section 21 13 16 is not listed in TOC and is in the manual as the first section in the plumbing division 22. The header also say Common Work Results for Plumbing.	Updated. See Revised Specification Book
3	Page 1 of Section 22 05 10 is in the manual twice.	Updated. See Revised Specification Book
4	Page 1 of Section 22 05 13, Common Motor Requirements for Plumbing Equipment is missing.	Updated. See Revised Specification Book
5	Section 22 05 48 is in the manual twice.	Updated. See Revised Specification Book
6	Section 22 07 00 has Common Work Results for Plumbing as the header but it is Processed Water Systems.	Updated. See Revised Specification Book
7	Section 23 05 53 is in the manual twice.	Updated. See Revised Specification Book
8	Section 23 23 00, Refrigerant Piping, has only one page. (I found the rest of it later in the middle of section 23 22 13)	Updated. See Revised Specification Book
9	23 22 13, Steam and Condensate Heating Piping is not on TOC but is in manual, but headers again say Common Work Results for Plumbing.	Updated. See Revised Specification Book
10	Section 23 62 00 is in the manual twice.	Updated. See Revised Specification Book
11	Section 26 05 23 Control Voltage Electrical Power Cable is missing for manual.	Section was removed.
12	Section 26 24 13, Switchboards is not on the TOC.	TOC Updated. See Revised Specification Book
13	Section 26 36 03 is called Stand-by Engine Generator in the TOC. In the manual is Section 26 32 13, Engine Generators. Are these the same? If so which is correct?	Use section 26 32 13, updated TOC.
14	Section 26 36 00, Transfer Switches is numbered 26 36 01 in manual but 26 36 00 in TOC.	TOC Updated. See Revised Specification Book
15	Section 32 93 00, Plants is not in TOC.	TOC Updated. See Revised Specification Book
16	Noblesville sheet 25 is not listed on the TOC	GO 01 Updated. See Addendum #1
17	TA1.01B Sheet is missing from 1st floor set	Sheet Not Used. Removed from Sheet Index
18	TA6.02 sheet is missing from 1st floor set	Sheet Not Used. Removed from Sheet Index
19	PA.02 is included in the 2nd floor set but not listed on the TOC	TOC Updated. See Addendum #1
20	PB.03 is missing from the second floor set	Sheet Removed from Set
21	Page 1 of Spec Section 23 09 00 is missing	Sheet provided on 5/18
22	The Pattons medical model number they have provided for the Medical vacuum system does not exist. They are requesting a BWP Tank mounted space saver configuration with a flow of 53 @ 159Hg. The nsa that this configuration can be made at Pattons medical or Amica is SWP with a flow of 38 @ 159Hg. The Pattons medical model number they provided for the instrument air also does not exist with Pattons medical. They are requesting a tank mounted space saver configuration for a simplex system but we cannot make it and Pattons medical does not make it.	Updated. See Revised Specification Book Info provided on 5/18 Cut Sheets are attached in response for Record
23	Automatic Sliding Door Specification Section is Missing	Updated. See Revised Specification Book
24	Steel Window Fins shown on lambs of "D" Window - Missing specification	
25	A8.11 shows an L1 frame but there is no door shown in the drawings	A2.11A-A8.10 Have been updated. See Addendum #1
26	Core and Shell drawing E1.02 indicates that Switchboards have been pre-purchased as they are "for reference only" in the drawings - Please update.	Edited.
27	Is it acceptable to use K-hooks for overhead pathway instead of conduit for wiring of low voltage systems listed in specification divisions 27 and 28. ?	J hook pathways are acceptable for LV cabling
28	Can low voltage lighting control wiring and cable be run in the same raceway as power wiring?	Depending on location of the runs and whether or not MC cable is deemed acceptable. See below.
29	Is a lightning protection system required for this project? Specification section 245113.1.2 states that the specification section is applicable only if the existing building currently contains a roof lightning protection system.	Lightning protection system is required.
30	Please confirm a ground ring is required if a lightning protection system is not required.	Lightning protection system is required.
31	Please specify the conductor size for the ground ring around the perimeter of the building.	Lightning protection system is required.
32	Specification section 283111-2.1 requires the fire alarm system to match the existing system. It is our understanding that this is a new construction for the ground up. Please provide a list of acceptable fire alarm manufacturers.	Project is ground up. Acceptable manufacturers are Notifier NFS2 series, Siemens/Carverus Pro Modular, and Edwards EST 4.
33	Specification section 283111-1.5.C - confirm that this project is delegated design and as stated in the previous question, what the appropriate manufacturers are.	Yes, it is. See answer to 32.
34	Is the fire alarm system to be voice evacuation type or standard horn/strobes?	Designed as standard horn/strobe. Confirm requirements with AHJ and preference with owner.
35	Can the fire alarm cable be installed free-air?	Confirm with AHJ.
36	For the lighting fixtures in elevator shafts, please clarify whether type "FE" on E5.01 or type "EL" on E6.04 is to be used.	Type FE.
37	The weatherproof, GFCI receptacle show non E6.04 is not shown on the power floor plan, please specify the associated circuit.	Updated in Addendum 1.
38	We are having difficulty identifying/differentiating normal and normal transient lighting fixtures, critical and life safety lighting fixtures on drawings A-E3.01A, A-E3.01B, B-E3.02A, B-E3.02B.	Refer to fixture designations, symbol legend, and circuiting notes for clarification.
39	Please confirm if the electrical primary service is required to be encased in concrete per Detail E4.4 on E6.01 and Detail E1 on E6.02.	Yes, it is.
40	Are duct bank PVC card/spacers acceptable in lieu of conduit chairs?	Provide as specified.
41	Please confirm if the following items are required to be installed on/at EACH OF THE (18) pole lights on this project per detail #8 on E6.02. a. Empty conduit for future camera c. Test well	b. Lightning protection air terminal and conductor d. PVC coated galvanized conduit a. Coordinate with technology for future cameras, b. Yes, c. Yes, d. Yes
42	Please confirm that all conduit stub-ups including 1" and 1" from beneath slab is to have a PVC coated rigid galvanized steel elbow per detail 5 on sheet E6.01.	Yes.
43	Please confirm that all panelboards are to be mounted to a strut frame as shown on detail 1.3 on sheet E6.01.	Yes.
44	Please confirm if detail #2 on E6.01 is applicable for outdoor installation only.	Yes.
45	Please confirm if the flashing and sealing of the roof conduit penetration shown in Detail #1 on E6.01 is to be performed by the Bid Category #6 Contractor.	Yes.
46	Specifications call for aluminum conductors 150a and larger. Can aluminum conductors be allowed for 100a and larger?	Correct, 100 A is the maximum for aluminum conductors.
47	Confirm that grouting is required at the pole base per pole base detail and specification 265600 3.2 D 1.	Yes, per specification and detail provide grouting.
48	Specification section 260533 - 3.1 lists EMT as an acceptable installation method for interior applications for exposed and concealed locations, but specification section 260519 - 3.3 W & X allows for MC and AC cable installation for interior application branch circuitry where it is not a human applications, feeders, HVAC and kitchen equipment branch circuitry. Please advise if MC/AC cable is acceptable as described by specification 260519 or if conflict between spec sections is in error and what the appropriate application is.	Refer to section 26 05 33, requiring EMT. Confirm with the owner and the AHJ if MC cable is acceptable.
49	Please advise on all rooms where fire treated plywood backboards is required. Currently drawings only indicate B2013, B2081, A-T0.00 indicates that the MDF and IDF rooms are to be installed with fire treated plywood backboards but there are no rooms on the plans labeled as MDF or IDF.	First Floor: Data A1071 Second Floor: Elec/Data B2013
50	Please indicate the size and quantity of conduits for the communication primary.	3 (4") conduits for telecom. Redundant pathway is TBD. Need owner input.
51	S02 (solid surface) listed on Plan A-A2.11s is listed as Corian R7992-38 Beige Travertine. I believe this is actually supposed to be Wilsonart 932655 Solid Surface. (The 7992-38 is the PL-1 plastic laminate color selection) Please confirm.	Correct S52 to be Wilsonart Beige Travertine 923655. Updated Interior Material List A-A2.51 & B-A2.51.
52	The quartz sill shown in Elevation 5/A-A6.10, does this continue through to the countertop or to the countertop to be S51 as Plan A-A2.51 suggests. (The same elevation on the second floor has the entire sill and countertop as quartz, but this is not indicated as such on the first floor)	Q51 is intended to be the hearth at the fireplace and the countertop at the Coffee Bar on both the First and Second Level. All Casework materials are tagged on the Finish Plans A-A2.30A-A-A2.30D and B-A2.30A-B-A2.30D in the Hexagon Tag that is located adjacent to the countertop. Elevation 5/A6.6.10 & 2/B-A6.10 have been updated to further clarify and show the extents of Q51. Additional location information was added to the Interior Material List on A-A2.27 & B-A2.51.
53	Clarify the intent of typical exam rooms alternate shown in Elevation 6/B-A2.21. It is unclear as to how many of the exam rooms occur "as an alternate". This elevation is similar to 3/B-A2.21. There is no mention in the list of alternates pertaining to these exam rooms.	Enlarged Exam Rooms show typical layout of all equipment and accessories. Reference Area Plans for all Room Dimensions, Columns and window locations. Notes were added to the Area Plans to provide further clarity. Enlarged Plans and Elevations for additional clarity.
54	Section 101113.23 Solid Color Composite Toilet Compartments specifies the Toilet Compartments to be Solid Color Reinforced Composite Toilet Compartments by Scranton Products. Scranton Products does not make the Solid Color Reinforced Composite Toilet Compartments. They make HDPE Plastic Toilet compartments. Bobrick makes the Solid Color Reinforced Composite Toilet Compartments. Please advise if the toilet compartments are to be the Solid Color Reinforced Composite Toilet Compartments by Bobrick or HDPE Plastic Toilet Compartments by Scranton Products	Solid Color Reinforced Composite Toilet Compartments by Bobrick, Color TBD
55	The drawings do not indicate any fire alarm devices on this project other than the FACP and newly added note about smoke dampers. Please define the fire alarm devices required.	The fire alarm system is a delegated design. Refer to Specification Section 28 3111
56	There is really no indication as to where solid surface window sills occur. Viewing the floor plans, I do not see any detail views or cut sections indicating where sills are to be included. Am I safe to assume that all sills shown in Detail 11/A-A7.20 occur at all window sill locations?	Correct all windows are to have solid surface sill as shown in Detail. We have added a general note to all area plans to provide additional clarification on the drawing set.
57	On A-E3.01A/B, there's a wall mount device with a circle and the letter 'C'. They are exterior/interior, in offices and patient rooms. Please identify. I.e. Clock, camera, call light, etc.	Clock
58	In A-T51.01, there are rectangular wall mount symbols - 'C' and 'PP'. Please identify.	PP is 'Push Pull' for door opens/closes. 'C' has been deleted from drawings.
59	On A-T50.05 (CI scheduled) and A-T51.01 the card reader locations do not match that of the A-E2.01 power drawing. I.e. Door 198 shows a CR and A1004 does not show a CR on A-E2.01, but A-T51.01 shows otherwise. Which is correct?	Door 198 has been updated to show Card Reader/Repad. Card Reader has been removed from Room A1004.
60	On A-E2.01A, Door 23F and 105 for example shows a JB with an E. Is this a location for future door power or is there a door position switch to be installed at these locations. Please advise.	E is for emergency. Refer to door hardware spec for functionality of door.
61	Can you please confirm that 12GA hanger wire is acceptable in place of the 10GA (0.135" diameter) wire that is specified in spec section 095112? The industry standard is 12GA and 12GA is what is recommended by the manufacturers. Typically, if anything larger than 12GA is used, it can be difficult to get the ceilings to be within the specified tolerance.	12 GA is acceptable
62	Can you please confirm that drying joint compound is acceptable in place of the setting compound that is listed in spec section 092900?	Confirmed. This is an acceptable alternate.

June 7, 2023

Addendum #02 Narrative



Project: Indiana Joint Replacement Institute
Project Number: P225462.00

The following changes incorporate Addendum 02 to the drawings.

ARCHITECTURAL

LEVEL 1 – AMBULATORY SURGERY CENTER

A-G0.01 – COVER SHEET

1. Addendum #2 Added to Titleblock

A-A2-10A – FLOOR PLAN – LEVEL 1 AREA A

1. General Note #11 Added

A-A2-10B – FLOOR PLAN – LEVEL 1 AREA B

1. General Note #11 Added

A-A2-10C – FLOOR PLAN – LEVEL 1 AREA C

1. General Note #11 Added

A-A2-10D – FLOOR PLAN – LEVEL 1 AREA D

1. General Note #11 Added

A-A2-51 – INTERIOR MATERIAL LIST

1. Corrected Manufacturer and Product Data Number for SS2
2. Added additional location information for QS1

A-A6.10 – INTERIOR ELEVATIONS

1. 5/A-A6.10 Added additional dimensions and material tags to clarify design intent

LEVEL 2 – MEDICAL CENTER

B-G0.01 – COVER SHEET

1. Addendum #2 Added to Titleblock

B- A2.10A – FLOOR PLAN - LEVEL 2 AREA A

1. General Note #11 Added

B- A2.10B – FLOOR PLAN - LEVEL 2 AREA B

1. General Note #11 Added
2. B2005 PT GYM Added Soap Dispenser 11B and Paper Towel Dispenser 10B
3. B2019 GAIT LAB Added Soap Dispenser 11B and Paper Towel Dispenser 10B
4. Added notes to all Exam Rooms to clarify reference.
5. Updated View to show exam Room Callout

B- A2.10C – FLOOR PLAN - LEVEL 2 AREA C

1. General Note #11 Added
2. Added notes to all Exam Rooms to clarify reference.
3. Updated View to show exam Room Callout
4. B2064 BLOOD DRAW Added Soap Dispenser 11B and Paper Towel Dispenser 10B

B- A2.10D – FLOOR PLAN - LEVEL 2 AREA D

1. General Note #11 Added
2. B2072 STAFF LOUNGE Added Soap Dispenser 11B and Paper Towel Dispenser 10B

B – A2.21 – ENLARGED PLANS & INTERIOR ELEVATIONS

1. 1/B-A2.21 Added a note to clarify intent of Enlarged Plans and changed view title
2. 2/B-A2.21 Updated View Title
3. 3/B-A2.21 Updated View Title
4. 4/B-A2.21 Updated View Title
5. 5/B-A2.21 Updated View Title
6. 6/B-A2.21 Updated Exam Room View. Added a note to clarify intent of Enlarged Plans and changed view title
7. 7/B-A2.21 Updated Elevation View
8. 8/B-A2.21 Updated Elevation View
9. 9/B-A2.21 Updated Elevation View
10. 10/B-A2.21 Removed from Sheet

B – A2.30A – FINISH PLAN – LEVEL 2 AREA A

1. Added Casework finish tag to clarify extents of QS1

B – A2.50 – SCHEDULES

1. Updated product data for toilet partitions

B – A2.51 – INTERIOR MATERIAL LIST

2. Corrected Manufacturer and Product Data Number for SS2
3. Added additional location information for QS1

B – A6.10 – INTERIOR ELEVATIONS

1. 2/B-A6.10 Added additional dimensions and leaders to material tags to clarify extents.
2. 17/B-A6.10 Added Soap Dispenser 11B and Paper Towel Dispenser 10B

B – A6.11 – INTERIOR ELEVATIONS

1. 1/B-A6.11 Added Soap Dispenser 11B
3. 4/B-A6.11 Added Soap Dispenser 11B and Paper Towel Dispenser 10B

SPECS:

1. Section 087100 Door Hardware has been updated and reissued.

STRUCTURAL

S2.21 – SECOND FLOOR FRAMING PLAN – AREA A

1. Framing revised

S2.22 – SECOND FLOOR FRAMING PLAN – AREA B

1. Framing revised

S2.31 ROOF FRAMING PLAN – AREA A

1. Framing revised

S2.32 ROOF FRAMING PLAN – AREA B

1. Framing revised

Addendum

DATE

06/07/2023

ADDENDUM NO.

2

PROJECT

223183.000 | Indiana Joint Replacement Institute

The work described herein shall be added to the scope of work defined by the contract documents or it shall modify the scope of work defined by the contract documents as described. This work shall become a part of the contract documents by addendum.

DRAWINGS

- | | |
|----------------|--|
| Item 01 | Sheet E2.01A – POWER – LEVEL 1 AREA A
A. Revised the elevator power.
B. Added circuits for elevator cab lights. |
| Item 02 | Sheet E5.02 – ELECTRICAL PANELBOARD SCHEDULES
A. Changed Panel 1DPHA, 1LA & MSB. |
| Item 03 | Sheet A-E2.01B – POWER – LEVEL 1 AREA B
A. Removed panels from ORs. |
| Item 04 | Sheet A-E4.01 – ELECTRICAL ONE-LINE DIAGRAM
A. Revised One-Line Diagram |
| Item 05 | Sheet B-E4.01 – ELECTRICAL ONE-LINE DIAGRAM
A. Revised One-Line Diagram |
| Item 06 | Sheet A-P8.02 – PLUMBING DETAILS
A. Revised DCDA model # to 757 on detail 3 |
| Item 07 | Sheet A-P8.03 – FIRE RISER ROOM
A. Revised DCDA model # to 757 on detail 2 |

END OF ADDENDUM

IJRI

Addendum #2 06.07.2023

Technology and Security Change Narrative

Description of Change:

TECHNOLOGY DRAWINGS

A-T1.01 – TECHNOLOGY OVERALL PLAN LEVEL 1

1. Revised Data Outlets in all ORs to match equipment plans.
2. Revised Data Outlets in all Pre/Post Rooms to match equipment plans.
3. Revised Data quantities at Nurse Station A1025 to accommodate future connectivity.
4. Added Dual Data outlet at Reception A1076 for Printer location.
5. Revised Data layout in Business Office A1074 to match workstations.

SECURITY DRAWINGS

A-TS1.01 – SECURITY OVERALL PLAN LEVEL 1

1. Removed Card Reader from Wheelchair Storage A1004
2. Removed “IC” symbol from Nurse Station A1025

A-TS0.05 – SECURITY DEVICE SCHEDULES

1. Revised Access Control Schedule

TS1.01 – SECURITY OVERALL PLAN LEVEL 1 – CORE & SHELL

1. Revised Door 19B to show Card Reader/Keypad to match Arch.

TS0.05 – SECURITY DEVICE SCHEDULES

1. Revised Access Control Schedule.

SECTION 087100 - DOOR HARDWARE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes commercial door hardware for the following:
 - 1. Swinging doors.
 - 2. Sliding doors.
 - 3. Other doors to the extent indicated.
- B. Door hardware includes, but is not necessarily limited to, the following:
 - 1. Mechanical door hardware.
 - 2. Electromechanical door hardware.
 - 3. Automatic operators.
 - 4. Cylinders specified for doors in other sections.
- C. Related Sections:
 - 1. Division 08 Section "Hollow Metal Doors and Frames".
 - 2. Division 08 Section "Flush Wood Doors".
 - 3. Division 08 Section "Radiation Shielding Doors and Frames".
 - 4. Division 08 Section "Aluminum-Framed Entrances and Storefronts".
 - 5. Division 08 Section "Automatic Door Operators".
- D. Codes and References: Comply with the version year adopted by the Authority Having Jurisdiction.
 - 1. ANSI A117.1 - Accessible and Usable Buildings and Facilities.
 - 2. ICC/IBC - International Building Code.
 - 3. NFPA 70 - National Electrical Code.
 - 4. NFPA 80 - Fire Doors and Windows.
 - 5. NFPA 101 - Life Safety Code.
 - 6. NFPA 105 - Installation of Smoke Door Assemblies.
 - 7. UL/ULC and CSA C22.2 - Standards for Automatic Door Operators Used on Fire and Smoke Barrier Doors and Systems of Doors.
 - 8. State Building Codes, Local Amendments.

- E. Standards: All hardware specified herein shall comply with the following industry standards as applicable. Any undated reference to a standard shall be interpreted as referring to the latest edition of that standard:

1. ANSI/BHMA Certified Product Standards - A156 Series.
2. UL10C - Positive Pressure Fire Tests of Door Assemblies.
3. ANSI/UL 294 - Access Control System Units.
4. UL 305 - Panic Hardware.
5. ANSI/UL 437- Key Locks.

1.3 SUBMITTALS

- A. Product Data: Manufacturer's product data sheets including installation details, material descriptions, dimensions of individual components and profiles, operational descriptions and finishes.
- B. Door Hardware Schedule: Prepared by or under the supervision of supplier, detailing fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate the final Door Hardware Schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.
1. Format: Comply with scheduling sequence and vertical format in DHI's "Sequence and Format for the Hardware Schedule."
 2. Organization: Organize the Door Hardware Schedule into door hardware sets indicating complete designations of every item required for each door or opening. Organize door hardware sets in same order as in the Door Hardware Sets at the end of Part 3. Submittals that do not follow the same format and order as the Door Hardware Sets will be rejected and subject to resubmission.
 3. Content: Include the following information:
 - a. Type, style, function, size, label, hand, and finish of each door hardware item.
 - b. Manufacturer of each item.
 - c. Fastenings and other pertinent information.
 - d. Location of door hardware set, cross-referenced to Drawings, both on floor plans and in door and frame schedule.
 - e. Explanation of abbreviations, symbols, and codes contained in schedule.
 - f. Mounting locations for door hardware.
 - g. Door and frame sizes and materials.
 - h. Warranty information for each product.
 4. Submittal Sequence: Submit the final Door Hardware Schedule at earliest possible date, particularly where approval of the Door Hardware Schedule must precede fabrication of other work that is critical in the Project construction schedule. Include Product Data, Samples, Shop Drawings of other work affected by door hardware, and other information essential to the coordinated review of the Door Hardware Schedule.
- C. Shop Drawings: Details of electrified access control hardware indicating the following:

1. Wiring Diagrams: Upon receipt of approved schedules, submit detailed system wiring diagrams for power, signaling, monitoring, communication, and control of the access control system electrified hardware. Differentiate between manufacturer-installed and field-installed wiring. Include the following:
 - a. Elevation diagram of each unique access controlled opening showing location and interconnection of major system components with respect to their placement in the respective door openings.
 - b. Complete (risers, point-to-point) access control system block wiring diagrams.
 - c. Wiring instructions for each electronic component scheduled herein.
 2. Electrical Coordination: Coordinate with related sections the voltages and wiring details required at electrically controlled and operated hardware openings.
- D. Keying Schedule: After a keying meeting with the owner has taken place prepare a separate keying schedule detailing final instructions. Submit the keying schedule in electronic format. Include keying system explanation, door numbers, key set symbols, hardware set numbers and special instructions. Owner must approve submitted keying schedule prior to the ordering of permanent cylinders/cores.
- E. Informational Submittals:
1. Product Test Reports: Indicating compliance with cycle testing requirements, based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified independent testing agency.
- F. Operating and Maintenance Manuals: Provide manufacturers operating and maintenance manuals for each item comprising the complete door hardware installation in quantity as required in Division 01, Closeout Procedures.

1.4 QUALITY ASSURANCE

- A. Manufacturers Qualifications: Engage qualified manufacturers with a minimum 5 years of documented experience in producing hardware and equipment similar to that indicated for this Project and that have a proven record of successful in-service performance.
- B. Certified Products: Where specified, products must maintain a current listing in the Builders Hardware Manufacturers Association (BHMA) Certified Products Directory (CPD).
- C. Installer Qualifications: A minimum 3 years documented experience installing both standard and electrified door hardware similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.
- D. Door Hardware Supplier Qualifications: Experienced commercial door hardware distributors with a minimum 5 years documented experience supplying both mechanical and electromechanical hardware installations comparable in material, design, and extent to that indicated for this Project. Supplier recognized as a factory direct distributor by the manufacturers of the primary materials with a warehousing facility in Project's vicinity.

Supplier to have on staff a certified Architectural Hardware Consultant (AHC) available during the course of the Work to consult with Contractor, Architect, and Owner concerning both standard and electromechanical door hardware and keying.

- E. Automatic Operator Supplier Qualifications: Power operator products and accessories are required to be supplied and installed through the Norton Preferred Installer (NPI) program. Suppliers are to be factory trained, certified, and a direct purchaser of the specified power operators and be responsible for the installation and maintenance of the units and accessories indicated for the Project.
- F. Source Limitations: Obtain each type and variety of door hardware specified in this section from a single source unless otherwise indicated.
 - 1. Electrified modifications or enhancements made to a source manufacturer's product line by a secondary or third party source will not be accepted.
 - 2. Provide electromechanical door hardware from the same manufacturer as mechanical door hardware, unless otherwise indicated.
- G. Each unit to bear third party permanent label demonstrating compliance with the referenced standards.
- H. Keying Conference: Conduct conference to comply with requirements in Division 01 Section "Project Meetings." Keying conference to incorporate the following criteria into the final keying schedule document:
 - 1. Function of building, purpose of each area and degree of security required.
 - 2. Plans for existing and future key system expansion.
 - 3. Requirements for key control storage and software.
 - 4. Installation of permanent keys, cylinder cores and software.
 - 5. Address and requirements for delivery of keys.
- I. Pre-Submittal Conference: Conduct coordination conference in compliance with requirements in Division 01 Section "Project Meetings" with attendance by representatives of Supplier(s), Installer(s), and Contractor(s) to review proper methods and the procedures for receiving, handling, and installing door hardware.
 - 1. Prior to installation of door hardware, conduct a project specific training meeting to instruct the installing contractors' personnel on the proper installation and adjustment of their respective products. Product training to be attended by installers of door hardware (including electromechanical hardware) for aluminum, hollow metal and wood doors. Training will include the use of installation manuals, hardware schedules, templates and physical product samples as required.
 - 2. Inspect and discuss electrical roughing-in, power supply connections, and other preparatory work performed by other trades.
 - 3. Review sequence of operation narratives for each unique access controlled opening.
 - 4. Review and finalize construction schedule and verify availability of materials.
 - 5. Review the required inspecting, testing, commissioning, and demonstration procedures

- J. At completion of installation, provide written documentation that components were applied to manufacturer's instructions and recommendations and according to approved schedule.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Inventory door hardware on receipt and provide secure lock-up and shelving for door hardware delivered to Project site. Do not store electronic access control hardware, software or accessories at Project site without prior authorization.
- B. Tag each item or package separately with identification related to the final Door Hardware Schedule, and include basic installation instructions with each item or package.
- C. Deliver, as applicable, permanent keys, cylinders, cores, access control credentials, software and related accessories directly to Owner via registered mail or overnight package service. Instructions for delivery to the Owner shall be established at the "Keying Conference".

1.6 COORDINATION

- A. Templates: Obtain and distribute to the parties involved templates for doors, frames, and other work specified to be factory prepared for installing standard and electrified hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing hardware to comply with indicated requirements.
- B. Door Hardware and Electrical Connections: Coordinate the layout and installation of scheduled electrified door hardware and related access control equipment with required connections to source power junction boxes, low voltage power supplies, detection and monitoring hardware, and fire and detection alarm systems.
- C. Door and Frame Preparation: Doors and corresponding frames are to be prepared, reinforced and pre-wired (if applicable) to receive the installation of the specified electrified, monitoring, signaling and access control system hardware without additional in-field modifications.

1.7 WARRANTY

- A. General Warranty: Reference Division 01, General Requirements. Special warranties specified in this Article shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.
- B. Warranty Period: Written warranty, executed by manufacturer(s), agreeing to repair or replace components of standard and electrified door hardware that fails in materials or workmanship within specified warranty period after final acceptance by the Owner. Failures include, but are not limited to, the following:
 - 1. Structural failures including excessive deflection, cracking, or breakage.
 - 2. Faulty operation of the hardware.
 - 3. Deterioration of metals, metal finishes, and other materials beyond normal weathering.

4. Electrical component defects and failures within the systems operation.

C. Warranty Period: Unless otherwise indicated, warranty shall be one year from date of Substantial Completion.

1.8 MAINTENANCE SERVICE

A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.

PART 2 - PRODUCTS

2.1 SCHEDULED DOOR HARDWARE

A. General: Provide door hardware for each door to comply with requirements in Door Hardware Sets and each referenced section that products are to be supplied under.

B. Designations: Requirements for quantity, item, size, finish or color, grade, function, and other distinctive qualities of each type of door hardware are indicated in the Door Hardware Sets at the end of Part 3. Products are identified by using door hardware designations, as follows:

1. Named Manufacturer's Products: Product designation and manufacturer are listed for each door hardware type required for the purpose of establishing requirements. Manufacturers' names are abbreviated in the Door Hardware Schedule.

C. Substitutions: Requests for substitution and product approval for inclusive mechanical and electromechanical door hardware in compliance with the specifications must be submitted in writing and in accordance with the procedures and time frames outlined in Division 01, Substitution Procedures. Approval of requests is at the discretion of the architect, owner, and their designated consultants.

2.2 HANGING DEVICES

A. Hinges: ANSI/BHMA A156.1 butt hinges with number of hinge knuckles and other options as specified in the Door Hardware Sets.

1. Quantity: Provide the following hinge quantity:

- a. Two Hinges: For doors with heights up to 60 inches.
- b. Three Hinges: For doors with heights 61 to 90 inches.
- c. Four Hinges: For doors with heights 91 to 120 inches.
- d. For doors with heights more than 120 inches, provide 4 hinges, plus 1 hinge for every 30 inches of door height greater than 120 inches.

2. Hinge Size: Provide the following, unless otherwise indicated, with hinge widths sized for door thickness and clearances required:
 - a. Widths up to 3'0": 4-1/2" standard or heavy weight as specified.
 - b. Sizes from 3'1" to 4'0": 5" standard or heavy weight as specified.
 3. Hinge Weight and Base Material: Unless otherwise indicated, provide the following:
 - a. Exterior Doors: Heavy weight, non-ferrous, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate standard weight.
 - b. Interior Doors: Standard weight, steel, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate heavy weight.
 4. Hinge Options: Comply with the following:
 - a. Non-removable Pins: With the exception of electric through wire hinges, provide set screw in hinge barrel that, when tightened into a groove in hinge pin, prevents removal of pin while door is closed; for the all out-swinging lockable doors.
 5. Manufacturers:
 - a. Hager Companies (HA) - BB Series, 5 knuckle.
 - b. Ives (IV) - 5BB Series, 5 knuckle.
 - c. McKinney (MK) - TA/T4A Series, 5 knuckle.
- B. Continuous Geared Hinges: ANSI/BHMA A156.26 Grade 1-600 continuous geared hinge. with minimum 0.120-inch thick extruded 6063-T6 aluminum alloy hinge leaves and a minimum overall width of 4 inches. Hinges are non-handed, reversible and fabricated to template screw locations. Factory trim hinges to suit door height and prepare for electrical cut-outs.
1. Manufacturers:
 - a. Ives (IV).
 - b. Pemko (PE).
 - c. Select Hinges (SL).
- C. Pivots: ANSI/BHMA A156.4, Grade 1; space intermediate pivots equally not less than 25 inches on center apart or not more than 35 inches on center for doors over 121 inches high. Pivot hinges to have oil impregnated bronze bearing in the top pivot and a radial roller and thrust bearing in the bottom pivot with the bottom pivot designed to carry the full weight of the door. Pivots to be UL listed for windstorm where applicable.
1. Manufacturers:
 - a. Norton Rixson (RF).

2.3 POWER TRANSFER DEVICES

- A. Electrified Quick Connect Transfer Hinges: Provide electrified transfer hinges with Molex™ standardized plug connectors and sufficient number of concealed wires (up to 12) to accommodate the electrified functions specified in the Door Hardware Sets with a 1-year warranty. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Wire nut connections are not acceptable.
1. Manufacturers:
 - a. Hager Companies (HA) - ETW-QC (# wires) Option.
 - b. Ives (IV) - Connect.
 - c. McKinney (MK) - QC (# wires) Option.
- B. Concealed Quick Connect Electric Power Transfers: Provide concealed wiring pathway housing mortised into the door and frame for low voltage electrified door hardware. Furnish with Molex™ standardized plug connectors and sufficient number of concealed wires (up to 12) to accommodate the electrified functions specified in the Door Hardware Sets. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Wire nut connections are not acceptable.
1. Manufacturers:
 - a. Pemko (PE) - EL-CEPT Series.
 - b. Securitron (SU) - EL-CEPT Series.
 - c. Von Duprin (VD) - EPT-10 Series.
- C. Electric Door Wire Harnesses: Provide electric/data transfer wiring harnesses with standardized plug connectors to accommodate up to twelve (12) wires. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Provide sufficient number and type of concealed wires to accommodate electric function of specified hardware. Provide a connector for through-door electronic locking devices and from hinge to junction box above the opening. Wire nut connections are not acceptable. Determine the length required for each electrified hardware component for the door type, size and construction, minimum of two per electrified opening.
1. Provide one each of the following tools as part of the base bid contract:
 - a. McKinney (MK) - Electrical Connecting Kit: QC-R001.
 - b. McKinney (MK) - Connector Hand Tool: QC-R003.
 2. Manufacturers:
 - a. Hager Companies (HA) - Quick Connect.
 - b. McKinney (MK) - QC-C Series.
 - c. Von Duprin (VD) - Connect.

2.4 DOOR OPERATING TRIM

- A. Flush Bolts and Surface Bolts: Provide products conforming to ANSI/BHMA A156.3 and A156.16, Grade 1.
1. Flush bolts to be furnished with top rod of sufficient length to allow bolt retraction device location approximately six feet from the floor.
 2. Furnish dust proof strikes for bottom bolts.
 3. Surface bolts to be minimum 8" in length and U.L. listed for labeled fire doors and U.L. listed for windstorm components where applicable.
 4. Provide related accessories (mounting brackets, strikes, coordinators, etc.) as required for appropriate installation and operation.
 5. Manufacturers:
 - a. Burns Manufacturing (BU).
 - b. Rockwood (RO).
 - c. Trimco (TC).
- B. Door Push Plates and Pulls: ANSI/BHMA A156.6 door pushes and pull units of type and design specified in the Hardware Sets. Coordinate and provide proper width and height as required where conflicting hardware dictates.
1. Push/Pull Plates: Minimum .050 inch thick, size as indicated in hardware sets, with beveled edges, secured with exposed screws unless otherwise indicated.
 2. Door Pull and Push Bar Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door unless otherwise indicated.
 3. Offset Pull Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door and offset of 90 degrees unless otherwise indicated.
 4. Pulls, where applicable, shall be provided with a 10" clearance from the finished floor on the push side to accommodate wheelchair accessibility.
 5. Fasteners: Provide manufacturer's designated fastener type as indicated in Hardware Sets.
 6. Manufacturers:
 - a. Burns Manufacturing (BU).
 - b. Rockwood (RO).
 - c. Trimco (TC).

2.5 CYLINDERS AND KEYING

- A. General: Cylinder manufacturer to have minimum (10) years experience designing secured master key systems and have on record a published security keying system policy. Manufacturer shall be based in the United States of America.
1. Manufacturers:
 - a. Corbin Russwin Hardware (RU).

- b. Sargent Manufacturing (SA).
 - c. Schlage (SC).
- B. Cylinder Types: Original manufacturer cylinders able to supply the following cylinder formats and types:
 - 1. Threaded mortise cylinders with rings and cams to suit hardware application.
 - 2. Rim cylinders with back plate, flat-type vertical or horizontal tailpiece, and raised trim ring.
 - 3. Bored or cylindrical lock cylinders with tailpieces as required to suit locks.
 - 4. Tubular deadlocks and other auxiliary locks.
 - 5. Mortise and rim cylinder collars to be solid and recessed to allow the cylinder face to be flush and be free spinning with matching finishes.
 - 6. Keyway: Manufacturer's Standard.
- C. Large Format Interchangeable Cores: Provide removable cores (LFIC) as specified, core insert, removable by use of a special key, and for use with only the core manufacturer's cylinder and door hardware.
- D. Patented Cylinders: ANSI/BHMA A156.5, Grade 1 Certified Products Directory (CPD) listed cylinders employing a utility patented and restricted keyway requiring the use of a patented key. Cylinders are to be protected from unauthorized manufacture and distribution by manufacturer's United States patents. Cylinders are to be factory keyed with owner having the ability for on-site original key cutting.
 - 1. Patented key systems shall not be established with products that have an expired patent. Expired systems shall only be specified and supplied to support existing systems.
 - 2. Manufacturers:
 - a. Corbin Russwin (RU) - Access 3 AP.
 - b. Sargent (SA) - Degree DG1.
 - c. Schlage (SC) - Everest 29 SL.
- E. Keying System: Each type of lock and cylinders to be factory keyed.
 - 1. Supplier shall conduct a "Keying Conference" to define and document keying system instructions and requirements.
 - 2. Furnish factory cut, nickel-silver large bow permanently inscribed with a visual key control number as directed by Owner.
 - 3. New System: Key locks to a new key system as directed by the Owner.
- F. Key Quantity: Provide the following minimum number of keys:
 - 1. Change Keys per Cylinder: Two (2)
 - 2. Master Keys (per Master Key Level/Group): Five (5).
 - 3. Construction Keys (where required): Ten (10).
 - 4. Construction Control Keys (where required): Two (2).
 - 5. Permanent Control Keys (where required): Two (2).

- G. Construction Keying: Provide construction master keyed cylinders.
- H. Construction Keying: Provide temporary keyed construction cores.
- I. Key Registration List (Bitting List):
 - 1. Provide keying transcript list to Owner's representative in the proper format for importing into key control software.
 - 2. Provide transcript list in writing or electronic file as directed by the Owner.

2.6 KEY CONTROL

- A. Key Control Cabinet: Provide a key control system including envelopes, labels, and tags with self-locking key clips, receipt forms, 3-way visible card index, temporary markers, permanent markers, and standard metal cabinet. Key control cabinet shall have expansion capacity of 150% of the number of locks required for the project.
 - 1. Manufacturers:
 - a. Lund Equipment (LU).
 - b. MMF Industries (MM).
 - c. Telkee (TK).
- P. Electronic Key Management System: Provide an electronic key control system with Stand-alone Plug and Play features including advanced RFID technology. Touchscreen interface with PIN access for keys individually locked in place. Minimum 1,000 system users and 21 iFobs for locking receptors. System shall have a minimum 250,000 audit events screen displayed or ability to be exported via USB port.
 - 1. Manufacturers:
 - a. Medeco (MC).
 - b. Traka (TA).

2.7 MECHANICAL LOCKS AND LATCHING DEVICES

- A. Mortise Locksets, Grade 1 (Heavy Duty): ANSI/BHMA A156.13, Series 1000, Operational Grade 1 Certified Products Directory (CPD) listed. Locksets are to be manufactured with a corrosion resistant steel case and be field-reversible for handing without disassembly of the lock body.
 - 1. Heavy duty mortise locks shall have a ten-year warranty.
 - 2. Where specified, provide status indicators with highly reflective color and wording for “locked/unlocked” or “vacant/occupied” with custom wording options if required. Indicator to be located above the cylinder with the inside thumb-turn not blocking the visibility of the indicator status. Indicator window size to be a minimum of 2.1” x 0.6”

with a curved design allowing a 180-degree viewing angle with protective covering to prevent tampering.

3. Manufacturers:
 - a. Corbin Russwin Hardware (RU) - ML2000 Series.
 - b. Sargent Manufacturing (SA) - 8200 Series.
 - c. Schlage (SC) - L9000 Series.

2.8 ELECTROMECHANICAL LOCKING DEVICES

- A. Electromechanical Mortise Locksets, Grade 1 (Heavy Duty, High Security Monitoring): ANSI/BHMA A156.13, Series 1000, Operational Grade 1 Certified Products Directory (CPD) listed, subject to same compliance standards and requirements as mechanical mortise locksets, electrified locksets to be of type and design as specified below.

1. Electrified Lock Options: Where indicated in the Hardware Sets, provide electrified options including: outside door lock/unlock trim control, latchbolt and lock/unlock status monitoring, deadbolt monitoring, and request-to-exit signaling. Support end-of-line resistors contained within the lock case. Unless otherwise indicated, provide electrified locksets standard as fail secure.
2. High Security Monitoring: Provide lock bodies which have built-in request to exit monitoring and are provided with accompanying door position switches. Provide a resistor configuration which is compatible with the access control system.
3. Manufacturers:
 - a. Corbin Russwin Hardware (RU) - ML20600 NAC Series.
 - b. Sargent Manufacturing (SA) - NAC 8200 Series.

2.9 AUXILIARY LOCKS

- A. Narrow Case Deadlocks and Deadlatches: ANSI/BHMA 156.13 Series 1000 Grade 1 narrow case deadlocks and deadlatches for swinging or sliding door applications. All functions shall be manufactured in a single sized case formed from 12 gauge minimum, corrosion resistant steel (option for fully stainless steel case and components). Provide minimum 2 7/8" throw laminated stainless steel bolt. Bottom rail deadlocks to have 3/8" diameter bolts.

1. Manufacturers:
 - a. Adams Rite Manufacturing (AD) - MS1850S / MS1950 Series.

2.10 LOCK AND LATCH STRIKES

- A. Strikes: Provide manufacturer's standard strike with strike box for each latch or lock bolt, with curved lip extended to protect frame, finished to match door hardware set, unless otherwise indicated, and as follows:
1. Flat-Lip Strikes: For locks with three-piece antifriction latchbolts, as recommended by manufacturer.
 2. Extra-Long-Lip Strikes: For locks used on frames with applied wood casing trim.
 3. Aluminum-Frame Strike Box: Provide manufacturer's special strike box fabricated for aluminum framing.
 4. Double-lipped strikes: For locks at double acting doors. Furnish with retractable stop for rescue hardware applications.
- B. Standards: Comply with the following:
1. Strikes for Mortise Locks and Latches: BHMA A156.13.
 2. Strikes for Bored Locks and Latches: BHMA A156.2.
 3. Strikes for Auxiliary Deadlocks: BHMA A156.36.
 4. Dustproof Strikes: BHMA A156.16.

2.11 ELECTRIC STRIKES

- A. Standard Electric Strikes: Electric strikes conforming to ANSI/BHMA A156.31, Grade 1, for use on non-rated or fire rated openings. Strikes shall be of stainless steel construction tested to a minimum of 1500 pounds of static strength and 70 foot-pounds of dynamic strength with a minimum endurance of 1 million operating cycles. Provide strikes with 12 or 24 VDC capability, fail-secure unless otherwise specified. Where specified provide latchbolt and latchbolt strike monitoring indicating both the position of the latchbolt and locked condition of the strike.
1. Manufacturers:
 - a. Folger Adam (FO) - 700 Series.
 - b. HES (HS) - 1500/1600 Series.
- B. Surface Mounted Rim Electric Strikes: Surface mounted rim exit device electric strikes conforming to ANSI/BHMA A156.31, Grade 1, and UL Listed for both Burglary Resistance and for use on fire rated door assemblies. Construction includes internally mounted solenoid with two heavy-duty, stainless steel locking mechanisms operating independently to provide tamper resistance. Strikes tested for a minimum of 500,000 operating cycles. Provide strikes with 12 or 24 VDC capability supplied standard as fail-secure unless otherwise specified. Option available for latchbolt and latchbolt strike monitoring indicating both the position of the latchbolt and locked condition of the strike. Strike requires no cutting to the jamb prior to installation.
1. Manufacturers:
 - a. Folger Adam (FO) - 310-4 Series.

- b. HES (HS) - 9400/9500/9600/9700/9800 Series.
 - c. Von Duprin (VD) - VD3146/6200/6300 Series.
- C. Provide electric strikes with in-line power controller and surge suppressor by the same manufacturer as the strike with the combined products having a five year warranty.

2.12 CONVENTIONAL EXIT DEVICES

- A. General Requirements: All exit devices specified herein shall meet or exceed the following criteria:
1. Exit devices shall have a five-year warranty.
 2. At doors not requiring a fire rating, provide devices complying with NFPA 101 and listed and labeled for "Panic Hardware" according to UL305. Provide proper fasteners as required by manufacturer including sex nuts and bolts at openings specified in the Hardware Sets.
 3. Where exit devices are required on fire rated doors, provide devices complying with NFPA 80 and with UL labeling indicating "Fire Exit Hardware". Provide devices with the proper fasteners for installation as tested and listed by UL. Consult manufacturer's catalog and template book for specific requirements.
 4. Except on fire rated doors, provide exit devices with hex key dogging device to hold the pushbar and latch in a retracted position. Provide optional keyed cylinder dogging on devices where specified in Hardware Sets.
 5. Devices must fit flat against the door face with no gap that permits unauthorized dogging of the push bar. The addition of filler strips is required in any case where the door light extends behind the device as in a full glass configuration.
 6. Flush End Caps: Provide flush end caps made of architectural metal in the same finish as the devices as in the Hardware Sets. Plastic end caps will not be acceptable.
 7. Lever Operating Trim: Where exit devices require lever trim, furnish manufacturer's heavy duty escutcheon trim with threaded studs for thru-bolts.
 - a. Lock Trim Design: As indicated in Hardware Sets, provide finishes and designs to match that of the specified locksets.
 - b. Where function of exit device requires a cylinder, provide a cylinder (Rim or Mortise) as specified in Hardware Sets.
 8. Vertical Rod Exit Devices: Where surface or concealed vertical rod exit devices are used at interior openings, provide as less bottom rod (LBR) unless otherwise indicated. Provide dust proof strikes where thermal pins are required to project into the floor.
 9. Narrow Stile Applications: At doors constructed with narrow stiles, or as specified in Hardware Sets, provide devices designed for maximum 2" wide stiles.

10. Dummy Push Bar: Nonfunctioning push bar matching functional push bar.
11. Rail Sizing: Provide exit device rails factory sized for proper door width application.
12. Through Bolt Installation: For exit devices and trim as indicated in Door Hardware Sets.

B. Conventional Push Rail Exit Devices (Heavy Duty): ANSI/BHMA A156.3, Grade 1 Certified Products Directory (CPD) listed panic and fire exit hardware devices furnished in the functions specified in the Hardware Sets. Exit device latch to be stainless steel, pullman type, with deadlock feature.

1. Manufacturers:
 - a. Corbin Russwin Hardware (RU) - ED4000 / ED5000 Series.
 - b. Sargent Manufacturing (SA) - 80 Series.
 - c. dormakaba Best (PR) - Apex 2000 Series.

2.13 ELECTROMECHANICAL EXIT DEVICES

A. Electromechanical Push Rail Exit Devices (Heavy Duty): ANSI/BHMA A156.3, Grade 1 Certified Products Directory (CPD) listed panic and fire exit hardware devices subject to same compliance standards and requirements as mechanical exit devices. Electrified exit devices to be of type and design as specified below and in the hardware sets.

1. Where conventional power supplies are not sufficient, include any specific controllers required to provide the proper inrush current.
2. Motorized Electric Latch Retraction: Devices with an electric latch retraction feature must use motors which have a maximum current draw of 600mA. Solenoid driven latch retraction is not acceptable.
3. Manufacturers:
 - a. Corbin Russwin Hardware (RU) - ED5000 Series.
 - b. dormakaba Precision (PR) - Apex 2000 Series.
 - c. Sargent Manufacturing (SA) - 80 Series.

2.14 DOOR CLOSERS

A. All door closers specified herein shall meet or exceed the following criteria:

1. General: Door closers to be from one manufacturer, matching in design and style, with the same type door preparations and templates regardless of application or spring size. Closers to be non-handed with full sized covers.
2. Standards: Closers to comply with UL-10C for Positive Pressure Fire Test and be U.L. listed for use of fire rated doors.

3. Size of Units: Comply with manufacturer's written recommendations for sizing of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Where closers are indicated for doors required to be accessible to the Americans with Disabilities Act, provide units complying with ANSI ICC/A117.1.
 4. Closer Arms: Provide heavy duty, forged steel closer arms unless otherwise indicated in Hardware Sets.
 5. Closers shall not be installed on exterior or corridor side of doors; where possible install closers on door for optimum aesthetics.
 6. Closer Accessories: Provide door closer accessories including custom templates, special mounting brackets, spacers and drop plates as required for proper installation. Provide through-bolt and security type fasteners as specified in the hardware sets.
- B. Door Closers, Surface Mounted (Heavy Duty): ANSI/BHMA A156.4, Grade 1 Certified Products Directory (CPD) listed surface mounted, heavy duty door closers with complete spring power adjustment, sizes 1 thru 6; and fully operational adjustable according to door size, frequency of use, and opening force. Closers to be rack and pinion type, one piece cast iron or aluminum alloy body construction, with adjustable backcheck and separate non-critical valves for closing sweep and latch speed control. Provide non-handed units standard.
1. Heavy duty surface mounted door closers shall have a 25-year warranty.
 2. Manufacturers:
 - a. Corbin Russwin Hardware (RU) - DC8000 Series.
 - b. LCN Closers (LC) - 4040 Series.
 - c. Sargent Manufacturing (SA) - 351 Series.

2.15 ELECTROHYDRAULIC DOOR OPERATORS

- A. General: Provide low energy operators of size recommended by manufacturer for door size, weight, and movement; for condition of exposure; and for compliance with UL 325. Coordinate operator mechanisms with door operation, hinges, and activation devices.
1. Fire-Rated Doors: Provide door operators for fire-rated door assemblies that comply with NFPA 80 for fire-rated door components and are listed and labeled by a qualified testing agency.
- B. Standard: Conforming to ANSI/BHMA A156.19.
- C. Performance Requirements:
1. Opening Force if Power Fails: Not more than 15 lbf required to release a latch if provided, not more than 30 lbf required to manually set door in motion, and not more than 15 lbf required to fully open door.
 2. Entrapment Protection: Not more than 15 lbf required to prevent stopped door from closing or opening.

- D. Configuration: Surface mounted or in-ground as required. Door operators to control single swinging and pair of swinging doors.
- E. Operation: Power opening and spring closing operation capable of meeting ANSI A117.1 accessibility guideline. Provide time delay for door to remain open before initiating closing cycle as required by ANSI/BHMA A156.19. When not in automatic mode, door operator to function as manual door closer with fully adjustable opening and closing forces, with or without electrical power.
- F. Features: Operator units to have full feature adjustments for door opening and closing force and speed, backcheck, motor assist acceleration from 0 to 30 seconds, time delay, vestibule interface delay, obstruction recycle, and hold open time from 0 up to 30 seconds.
- G. Provide outputs and relays on board the operator to allow for coordination of exit device latch retraction, electric strikes, magnetic locks, card readers, safety and motion sensors and specified auxiliary contacts.
- H. Brackets and Reinforcements: Manufacturer's standard, fabricated from aluminum with nonferrous shims for aligning system components.
- I. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Norton Rixson (NO) - 6000 Series.

2.16 ARCHITECTURAL TRIM

A. Door Protective Trim

- 1. General: Door protective trim units to be of type and design as specified below or in the Hardware Sets.
- 2. Size: Fabricate protection plates (kick, armor, or mop) not more than 2" less than door width (LDW) on stop side of single doors and 1" LDW on stop side of pairs of doors, and not more than 1" less than door width on pull side. Coordinate and provide proper width and height as required where conflicting hardware dictates. Height to be as specified in the Hardware Sets.
- 3. Where plates are applied to fire rated doors with the top of the plate more than 16" above the bottom of the door, provide plates complying with NFPA 80. Consult manufacturer's catalog and template book for specific requirements for size and applications.
- 4. Protection Plates: ANSI/BHMA A156.6 protection plates (kick, armor, or mop), fabricated from the following:
 - a. Stainless Steel: 300 grade, 050-inch thick.
- 5. Options and fasteners: Provide manufacturer's designated fastener type as specified in the Hardware Sets. Provide countersunk screw holes.

6. Manufacturers:

- a. Burns Manufacturing (BU).
- b. Rockwood (RO).
- c. Trimco (TC).

2.17 DOOR STOPS AND HOLDERS

- A. General: Door stops and holders to be of type and design as specified below or in the Hardware Sets.
- B. Door Stops and Bumpers: ANSI/BHMA A156.16, Grade 1 door stops and wall bumpers. Provide wall bumpers, either convex or concave types with anchorage as indicated, unless floor or other types of door stops are specified in Hardware Sets. Do not mount floor stops where they will impede traffic. Where floor or wall bumpers are not appropriate, provide overhead type stops and holders.

1. Manufacturers:

- a. Burns Manufacturing (BU).
- b. Rockwood (RO).
- c. Trimco (TC).

- C. Overhead Door Stops and Holders: ANSI/BHMA A156.8, Grade 1 Certified Products Directory (CPD) listed overhead stops and holders to be surface or concealed types as indicated in Hardware Sets. Track, slide, arm and jamb bracket to be constructed of extruded bronze and shock absorber spring of heavy tempered steel. Provide non-handed design with mounting brackets as required for proper operation and function.

1. Manufacturers:

- a. Norton Rixson (RF).
- b. Rockwood (RO).
- c. Sargent Manufacturing (SA).

2.18 ARCHITECTURAL SEALS

- A. General: Thresholds, weatherstripping, and gasket seals to be of type and design as specified below or in the Hardware Sets. Provide continuous weatherstrip gasketing on exterior doors and provide smoke, light, or sound gasketing on interior doors where indicated. At exterior applications provide non-corrosive fasteners and elsewhere where indicated.
- B. Smoke Labeled Gasketing: Assemblies complying with NFPA 105 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for smoke control ratings indicated, based on testing according to UL 1784.

- 1. Provide smoke labeled perimeter gasketing at all smoke labeled openings.

- C. Fire Labeled Gasketing: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to UL-10C.
 - 1. Provide intumescent seals as indicated to meet UL10C Standard for Positive Pressure Fire Tests of Door Assemblies, and NPFA 252, Standard Methods of Fire Tests of Door Assemblies.
- D. Sound-Rated Gasketing: Assemblies that are listed and labeled by a testing and inspecting agency, for sound ratings indicated.
- E. Replaceable Seal Strips: Provide only those units where resilient or flexible seal strips are easily replaceable and readily available from stocks maintained by manufacturer.
- F. Manufacturers:
 - 1. National Guard Products (NG).
 - 2. Pemko (PE).

2.19 ELECTRONIC ACCESSORIES

- A. Push-Button Switches: Industrial grade momentary or alternate contact, back-lighted push buttons with stainless-steel switch enclosures. 12/24 VDC bi-color illumination suitable for either flush or surface mounting.
 - 1. Manufacturers:
 - a. Alarm Controls (AK) - TS Series.
 - b. Securitron (SU) - PB Series.
- B. Request-to-Exit Motion Sensor: Request-to-Exit Sensors motion detectors specifically designed for detecting exiting through a door from the secure area to a non-secure area. Include built-in timers (up to 60 second adjustable timing), door monitor with sounder alert, internal vertical pointability coverage, 12VDC or 24VDC power and selectable relay trigger with fail safe/fail secure modes.
 - 1. Manufacturers:
 - a. Alarm Controls (AK) - SREX Series.
 - b. Securitron (SU) - XMS Series.
- C. Door Position Switches: Door position magnetic reed contact switches specifically designed for use in commercial door applications. On recessed models the contact and magnetic housing snap-lock into a 1" diameter hole. Surface mounted models include wide gap distance design complete with armored flex cabling. Provide SPDT, N/O switches with optional Rare Earth Magnet installation on steel doors with flush top channels.
 - 1. Manufacturers:

- a. Sargent Manufacturing (SA) - 3280 Series.
 - b. Securitron (SU) - DPS Series.
- D. Switching Power Supplies: Provide power supplies with either single or dual voltage configurations at 12 or 24VDC. Power supplies shall have battery backup function with an integrated battery charging circuit and shall provide capability for power distribution, direct lock control and Fire Alarm Interface (FAI) through add on modules. Power supplies shall be expandable up to 16 individually protected outputs. Output modules shall provide individually protected, continuous outputs and/or individually protected, relay controlled outputs.
- 1. Manufacturers:
 - a. Securitron (SU) - AQD Series.

2.20 FABRICATION

- A. Fasteners: Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. Provide screws according to manufacturers recognized installation standards for application intended.

2.21 FINISHES

- A. Standard: Designations used in the Hardware Sets and elsewhere indicate hardware finishes complying with ANSI/BHMA A156.18, including coordination with traditional U.S. finishes indicated by certain manufacturers for their products.
- B. Provide quality of finish, including thickness of plating or coating (if any), composition, hardness, and other qualities complying with manufacturer's standards, but in no case less than specified by referenced standards for the applicable units of hardware
- C. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine scheduled openings, with Installer present, for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance.
- B. Notify architect of any discrepancies or conflicts between the door schedule, door types, drawings and scheduled hardware. Proceed only after such discrepancies or conflicts have been resolved in writing.

3.2 PREPARATION

- A. Hollow Metal Doors and Frames: Comply with ANSI/DHI A115 series.
- B. Wood Doors: Comply with ANSI/DHI A115-W series.

3.3 INSTALLATION

- A. Install each item of mechanical and electromechanical hardware and access control equipment to comply with manufacturer's written instructions and according to specifications.
 - 1. Installers are to be trained and certified by the manufacturer on the proper installation and adjustment of fire, life safety, and security products including: hanging devices; locking devices; closing devices; and seals.
- B. Mounting Heights: Mount door hardware units at heights indicated in following applicable publications, unless specifically indicated or required to comply with governing regulations:
 - 1. Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."
 - 2. DHI TDH-007-20: Installation Guide for Doors and Hardware.
 - 3. Where indicated to comply with accessibility requirements, comply with ANSI A117.1 "Accessibility Guidelines for Buildings and Facilities."
 - 4. Provide blocking in drywall partitions where wall stops or other wall mounted hardware is located.
- C. Retrofitting: Install door hardware to comply with manufacturer's published templates and written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing work specified in Division 9 Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.
- D. Thresholds: Set thresholds for exterior and acoustical doors in full bed of sealant complying with requirements specified in Division 7 Section "Joint Sealants."
- E. Storage: Provide a secure lock up for hardware delivered to the project but not yet installed. Control the handling and installation of hardware items so that the completion of the work will not be delayed by hardware losses before and after installation.

3.4 ADJUSTING

- A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

3.5 CLEANING AND PROTECTION

- A. Protect all hardware stored on construction site in a covered and dry place. Protect exposed hardware installed on doors during the construction phase. Install any and all hardware at the latest possible time frame.
- B. Clean adjacent surfaces soiled by door hardware installation.
- C. Clean operating items as necessary to restore proper finish. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of owner occupancy.

3.6 DEMONSTRATION

- A. Instruct Owner's maintenance personnel to adjust, operate, and maintain mechanical and electromechanical door hardware.

3.7 DOOR HARDWARE SETS

- A. The hardware sets represent the design intent and direction of the owner and architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware and missing items should be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.
 - 1. Quantities listed are for each pair of doors, or for each single door.
 - 2. The supplier is responsible for handing and sizing all products.
 - 3. Where multiple options for a piece of hardware are given in a single line item, the supplier shall provide the appropriate application for the opening.
- B. Manufacturer's Abbreviations:

- 1. MK - McKinney
- 2. PE - Pemko
- 3. RS - RITE Slide
- 4. SU - Securitron
- 5. RF - Rixson
- 6. RO - Rockwood
- 7. SA - SARGENT
- 8. AD - Adams Rite
- 9. HS - HES
- 10. NO - Norton

11. OT - Other

Hardware Sets

Set: 1.0

NOT USED

1 Continuous Hinge	CFM_SLF-HD1 PT x Length Required	PE	087100
1 Narrow Rim Exit Device (NL, RX, Less Dogging)	DG164 LD 43 55 AD8504	US32D SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15 SA	087100
1 Electric Strike	9000 Series (as required to accommodate latchbolt)	630 HS	087100
1 ElectroLynx Adaptor	2004M	HS	087100
1 SMART Pac Bridge Rectifier	2005M3	HS	087100
1 Pull	RM4720 Mtg-Type 12HD	US26D RO	087100
1 Automatic Opener	6011 / 6021 (As Required)	689 NO	087100
1 Gasketing	Provided By Door/Frame Supplier	OT	
1 ElectroLynx Harness (Door)	QC-C***** x Length Required	MK	087100
2 ElectroLynx Harness (Frame)	QC-C3000P	MK	087100
1 Card Reader/Keypad	Provided By Security Supplier	OT	
1 Bollard Post w/Actuator Switch	500	689 NO	087100
1 Position Switch	DPS-MW-BK/GY/WH (as required)	SU	087100
1 Auto Operator Actuator Switch	505	NO	087100
1 Power Supply	AQD (Size and Options as required)	SU	087100
1 Electric Power Transfer	EL-CEPT	630 SU	087100
1 Wiring Diagram	Elevation and Point to Point as Specified	OT	

Notes: Weatherstrip by Aluminum Door Manufacturer.

System Operational Narrative:

- Door normally closed and secure.
- Access by valid credential presentation or correct digital code entered into keypad, releasing the electric strike for a pre-determined time limit to and activating the auto operator to open the door.
- Assisted Egress by pressing the auto operator actuator switch releasing the electric strike for a pre-determined time limit and activating the auto operator to open the door.
- Egress always free for immediate manual egress. Request-to-Exit sensor allows exit without alarm

condition.

- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Electric strike will become loose (fail safe) in event of power loss. Key override cylinder for emergency access.

Set: 1.1

Doors: 19E

1 Continuous Hinge	CFM_SLF-HD1 x Length Required	PE	087100
1 Full Height Exit Device - Top Latching	PDU8500-3 Code 04	US32D RO	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15 SA	087100
1 LFIC Mortise Cylinder Housing	Size and Cam as required	US32D SA	087100
1 Electric Strike Kit	ESK-MS-SGL- (Voltage as Required) ES-SmartpacIII	US32D RO	087100
1 Automatic Opener	6011 / 6021 (As Required)	689 NO	087100
1 ElectroLynx Harness (Frame)	QC-C3000P	MK	087100
1 Card Reader/Keypad	Provided By Security Supplier	OT	
1 Position Switch	DPS-MW-BK/GY/WH (as required)	SU	087100
2 Auto Operator Actuator Switch	505	NO	087100
1 Power Supply	AQD (Size and Options as required)	SU	087100
1 Wiring Diagram	Elevation and Point to Point as Specified	OT	

Notes: Weatherstrip by Aluminum Door Manufacturer.
Coordinate all Wiring and conduit with electrical contractor.
Door 19E and 117 are to open simultaneously.

Operation:

During Normal Business Hours:

- Electric Strike is Electronically held in released position, to allow Push/Pull operation.
- When the actuator button on the exterior of the opening or in the corridor is pressed the auto operators will open door 19E and 117 for assisted entry or egress.
- Manual entry or egress is always available by pushing or pulling the door.
- The electric strike is fail secure and will lock the door in the absence of power.
- Door position switch will signal the doors OPEN/CLOSED status to the access control panel.

After Normal Business Hours:

- Door is normally closed and secure.
- Access by valid credential presentation releasing the electric strike for a pre-determined time limit and activating the auto operator to open both doors 19E and 117.
- Assisted Egress by pressing the auto operator actuator switch releasing the electric strike for a pre-determined time limit and activating the auto operator to open both doors 19E and 117.

- Egress always free for immediate manual egress.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Electric Strike remains fixed (fail secure) in event of power loss. Key override cylinder for emergency access.

Set: 2.0

Doors: 13F

1 Continuous Hinge	CFM_SLF-HD1 PT x Length Required		PE	087100
1 Narrow Rim Exit Device (NL, RX, CD)	DG164 16 43 55 AD8504 Less Pull (Cyl. Dogging)	US32D	SA	087100
1 Pull	RM4720 Mtg-Type 12HD	US26D	RO	087100
1 Concealed Closer	91NDCP	626	RF	087100
1 Threshold	273x224AFGT MSES25SS x Length Required		PE	087100
1 Gasketing	Provided By Door/Frame Supplier		OT	
1 Sweep	3452CNB x Length Required		PE	087100
1 ElectroLynx Harness (Door)	QC-C**** x Length Required		MK	087100
1 ElectroLynx Harness (Frame)	QC-C3000P		MK	087100
1 Position Switch	DPS-MW-BK/GY/WH (as required)		SU	087100
1 Electric Power Transfer	EL-CEPT	630	SU	087100
1 Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: System Operational Narrative:

- Door normally closed and secure.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.

Set: 2.1

Doors: 18A

1 Continuous Hinge	CFM_SLF-HD1 PT x Length Required		PE	087100
1 Narrow Rim Exit Device (NL, RX, Less Dogging)	DG164 LD 43 55 AD8504	US32D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Electric Strike	9000 Series (as required to accommodate latchbolt)	630	HS	087100

087100 – DOOR HARDWARE
225462.00 – M2O INDIANA JOINT REPLACEMENT INSTITUTE

1 ElectroLynx Adaptor	2004M		HS	087100
1 SMART Pac Bridge Rectifier	2005M3		HS	087100
1 Pull	RM4720 Mtg-Type 12HD	US26D	RO	087100
1 Concealed Closer	91NDCP	626	RF	087100
1 Threshold	273x224AFGT MSES25SS x Length Required		PE	087100
1 Gasketing	Provided By Door/Frame Supplier		OT	
1 Sweep	3452CNB x Length Required		PE	087100
1 Harness Adaptor	52-2946		SA	
1 Card Reader	By Security Supplier			
1 ElectroLynx Harness	QC-C**** x Length Required		MK	087100
2 ElectroLynx Harness (Frame)	QC-C3000P		MK	087100
1 Card Reader/Keypad	Provided By Security Supplier		OT	
1 Position Switch	DPS-MW-BK/GY/WH (as required)		SU	087100
1 Power Supply	AQD (Size and Options as required)		SU	087100
1 Electric Power Transfer	EL-CEPT	630	SU	087100
1 Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: System Operational Narrative:

- Door normally closed and secure.
- Access by valid credential presentation releasing the electric strike for a pre-determined time limit to allow authorized entry and then relocking.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Electric strike will become free, (Fail Safe), in event of power loss. Key override cylinder for emergency access.

Set: 3.0

Doors: 19B, 19D

1 Continuous Hinge	CFM_SLF-HD1 x Length Required		PE	087100
1 Full Height Exit Device - Top Latching	PDU8500-3 Code 04	US32D	RO	087100
2 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 LFIC Mortise Cylinder Housing	Size and Cam as required	US32D	SA	087100
1 Electric Strike Kit	ESK-MS-SGL- (Voltage as Required) ES-SmartpacIII	US32D	RO	087100
1 Concealed Closer	91NDCP	626	RF	087100
1 Threshold	273x224AFGT MSES25SS x Length		PE	087100

087100 – DOOR HARDWARE
225462.00 – M2O INDIANA JOINT REPLACEMENT INSTITUTE

	Required		
1 Gasketing	Provided By Door/Frame Supplier	OT	
1 Sweep	3452CNB x Length Required	PE	087100
1 ElectroLynx Harness (Frame)	QC-C3000P	MK	087100
1 Card Reader/Keypad	Provided By Security Supplier	OT	
1 Position Switch	DPS-MW-BK/GY/WH (as required)	SU	087100
1 Power Supply	AQD (Size and Options as required)	SU	087100
1 Wiring Diagram	Elevation and Point to Point as Specified	OT	

Notes: System Operational Narrative:

- Door normally closed and secure.
- Exit Device has Nightlatch Function (Key will retract the exit device latch, door is latched when the key is removed).
- Access by valid credential presentation or correct digital code entered into the keypad, releasing the electric strike for authorized entry.
- Egress always free for immediate exit.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Electric Strike will become loose (fail safe) in event of power loss.

Set: 4.0

Doors: 22A, 22B

1 Continuous Hinge	CFM_SLF-HD1 x Length Required		PE	087100
1 Narrow Mortise Deadlock	MS1850S 1-1/8" BS 1	628	AD	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 LFIC Mortise Cylinder Housing	Size and Cam as required	US32D	SA	087100
1 Thumbturn Cylinder	4066	130	AD	087100
1 Offset Door Pull	RM7927-24 Mtg-Type 12HD	US32D	RO	087100
1 Push Bar	RM5242 Mtg-Type 12HD	US32D	RO	087100
1 Concealed Closer	91NDCP	626	RF	087100
1 Threshold	273x224AFGT MSES25SS x Length Required		PE	087100
1 Gasketing	Provided By Door/Frame Supplier		OT	
1 Sweep	3452CNB x Length Required		PE	087100

Notes: Perimeter Weatherstrip by the Aluminum Door Manufacturer.
Mount Push/Pull so as to not interfere with latchbolt/deadbolt function.
Thumbturn to be installed on Balcony side of the door.

Set: 5.0

NOT USED

1 Continuous Hinge	CFM_SLF-HD1 x Length Required	PE	087100
1 Narrow Rim Exit Device (EO, Less Dogging)	LD 43 AD8510 Less Pull	US32D SA	087100
1 Surface Closer	351 CPS (HD Cush STP Arm)	EN SA	087100
1 Drop Plate	351D (as required)	EN SA	087100
1 Blade Stop Spacer Kit	581-1 or 2 (as required)	EN SA	087100
1 Threshold	273x224AFGT MSES25SS x Length Required	PE	087100
1 Gasketing	Provided By Door/Frame Supplier	OT	
1 Sweep	3452CNB x Length Required	PE	087100
1 Position Switch	DPS-MW-BK/GY/WH (as required)	SU	087100

Notes: Exit Only Door, No Exterior hardware or access.
Weatherstrip by Aluminum Door Manufacturer.

System Operational Narrative:

- Door normally closed and secure.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.

Set: 5.1

Doors: 19A

1 Continuous Hinge	CFM_SLF-HD1 x Length Required	PE	087100
1 Full Height Exit Device - Top Latching	PDU8500-3 Code 04	US32D RO	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15 SA	087100
1 Cylinder	type as required	US32D SA	087100
1 LFIC Mortise Cylinder Housing	Size and Cam as required	US32D SA	087100
1 Header Strike	MSK-SGL	US32D RO	087100
1 Concealed Closer	91NDCP	626 RF	087100
1 Threshold	273x224AFGT MSES25SS x Length Required	PE	087100
1 Gasketing	Provided By Door/Frame Supplier	OT	
1 Sweep	3452CNB x Length Required	PE	087100
1 Position Switch	DPS-MW-BK/GY/WH (as required)	SU	087100

Notes: Weatherstrip by Aluminum Door Manufacturer.

System Operational Narrative:

- Door normally closed and secure.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.

Set: 6.0

Doors: 19C

2 Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP and size as required)	US32D	MK	087100
1 Hinge, Full Mortised, Hvy Wt (PWR TRNS)	T4A3386-QCx (# of Wires and Size as Required)	US32D	MK	087100
1 Rim Exit Device (EL TRM Fail Safe, RX, ELR, Less Dogging)	DG164 LD 43 55 56 8875-24v ETH002	US32D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Surface Closer	351 CPSH (HD PA SPG STP w/HO Arm)	EN	SA	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Threshold	273x224AFGT MSES25SS x Length Required		PE	087100
1 Gasketing	303AS (Head & Jambs)		PE	087100
1 Rain Guard	346C x Width of Frame Head		PE	087100
1 Sweep	3452CNB x Length Required		PE	087100
1 Harness Adaptor	52-2946		SA	
1 Card Reader	By Security Supplier			
1 ElectroLynx Harness (Door)	QC-C**** x Length Required		MK	087100
1 ElectroLynx Harness (Frame)	QC-C3000P		MK	087100
1 Push Button	PB2		SU	087100
1 Audio/Visual Authorization System	Audio/Visual Authorization System - By Security Supplier		OT	
1 Position Switch	DPS-MW-BK/GY/WH (as required)		SU	087100
1 Auto Operator Actuator Switch	505		NO	087100
1 Power Supply	AQD (Size and Options as required)		SU	087100
1 Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: System Operational Narrative:

- Door normally closed and secure.
- Access by valid credential presentation, releasing the exit device trim latch for a pre-determined time limit to allow authorized entry.
- Alternate Access by remote push button after audio/visual authorization, releasing the exit device latch while remote push button is depressed and locking door when released.
- Egress always free for immediate manual egress. Request-to-Exit sensor allows exit without alarm

condition.

- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Latch remains projected/locked (fail secure), exit device trim lever will become free (Fail Safe) in event of power loss allowing free entry. Key override cylinder for emergency access.

Set: 7.0

Doors: [14A](#)

3 Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP and size as required)	US32D	MK	087100
1 Rim Exit Device (STRM, CD)	DG164 16 43 8804 ETH002 (Cyl. Dogging)	US32D	SA	087100
2 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Surface Closer	351 CPS (HD Cush STP Arm)	EN	SA	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Threshold	273x224AFGT MSES25SS x Length Required		PE	087100
1 Gasketing	303AS (Head & Jambs)		PE	087100
1 Rain Guard	346C x Width of Frame Head		PE	087100
1 Sweep	3452CNB x Length Required		PE	087100
1 Position Switch	DPS-MW-BK/GY/WH (as required)		SU	087100

Notes: System Operational Narrative:

- Door normally closed and secure.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.

Set: 8.0

Doors: [15](#), [16](#)

3 Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP and size as required)	US32D	MK	087100
1 Storeroom/Closet Lock (EXT)	3 DG164 8204 E2H002	US32D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
2 Surface Closer	351 CPS (HD Cush STP Arm)	EN	SA	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Threshold	171A MSES25SS x Length Required		PE	087100
1 Gasketing	303AS (Head & Jambs)		PE	087100
1 Rain Guard	346C x Width of Frame Head		PE	087100
1 Sweep	3452CNB x Length Required		PE	087100
1 Position Switch	DPS-MW-BK/GY/WH (as required)		SU	087100

Notes: System Operational Narrative:

- Door normally closed and secure.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.

Set: 8.1

Doors: 17

3 Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP and size as required)	US32D	MK	087100
1 Storeroom/Closet Lock (EXT)	3 DG164 8204 E2H002	US32D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Surface Closer	351 CPS (HD Cush STP Arm)	EN	SA	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Threshold	171A MSES25SS x Length Required		PE	087100
1 Gasketing	303AS (Head & Jambs)		PE	087100
1 Rain Guard	346C x Width of Frame Head		PE	087100
1 Auto Door Bottom	4131CRL X Door Width		PE	087100
1 Sweep	3452CNB x Length Required		PE	087100
1 Position Switch	DPS-MW-BK/GY/WH (as required)		SU	087100

Notes: System Operational Narrative:

- Door normally closed and secure.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.

Set: 9.0

Doors: 147A, 147B

6 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
2 SVR Exit Device (EO, LBR, ELR, Less Dogging)	LD 43 56 NB8710 EO	US32D	SA	087100
2 Automatic Opener	6011 / 6021 (As Required)	689	NO	087100
4 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
2 Silencer	608		RO	087100
2 ElectroLynx Harness (Door)	QC-C**** x Length Required		MK	087100
2 ElectroLynx Harness (Frame)	QC-C3000P		MK	087100
2 Auto Operator Actuator Switch	505		NO	087100
1 Power Supply	AQD (Size and Options as required)		SU	087100
1 Wiring Diagram	Elevation and Point to Point as		OT	

Specified

Notes: Kickplates on Both Sides of the doors.
Coordinate all Wiring and conduit with electrical contractor.

Operation:

- Free Passage from either side of the opening in the direction of travel.
- Pressing the Auto Operator Actuator on either side of the opening will retract the exit device latches and activate the auto operators to open the doors.
- Manual Entry or Egress available by pushing the exit device push bar.
- Exit Devices are Fail Safe (Not Locked) but will remain latched in the event of a fire alarm or power failure.

Set: 10.0

Doors: 13B, 21, 23

3 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
1 Fire Rated Rim Exit Device (CLRM)	DG164 12 43 8813 ETH002	US32D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Concealed Closer	91NDCP	626	RF	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Wall Stop	RM867	US15	RO	087100
1 Gasketing	S88BL (Head & Jambs)		PE	087100

Set: 10.1

Doors: 105

2 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
1 Hinge, Full Mortise, Hvy Wt (PWR TRNS)	T4A3786 QCx (# of Wires and Size as Required)	US26D	MK	087100
1 Fire Rated Rim Exit Device (EL Trim, Fail Safe, RX)	DG164 12 43 55 8875-24v ETH002	US32D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Concealed Closer	91NDCP	626	RF	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Wall Stop	RM867	US15	RO	087100
1 Gasketing	S88BL (Head & Jambs)		PE	087100
1 ElectroLynx Harness	QC-C***** x Length Required		MK	087100
1 ElectroLynx Harness (Frame)	QC-C3000P		MK	087100
1 Position Switch	DPS-MW-BK/GY/WH (as required)		SU	087100

1 Push Button (Alternating)	PBA	SU	087100
1 Power Supply	AQD (Size and Options as required)	SU	087100
1 Wiring Diagram	Elevation and Point to Point as Specified	OT	

Notes: Operation:

- Door normally closed and latched, exit trim allows entry.
- When the remote push button at reception is pressed, the exit trim is locked, restricting entry. When Remote Push Button is pressed a second time the exit trim is unlocked.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim unlocks (fail safe) in event of power loss or remote signal, exit device remains latched. Key override cylinder for emergency access.

Set: 10.2

Doors: 273A

2 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
1 Hinge, Full Mortise, Hvy Wt (PWR TRNS)	T4A3786 QCx (# of Wires and Size as Required)	US26D	MK	087100
1 Rim Exit Device (EL TRM Fail Safe, RX, CD)	DG164 16 43 55 8875-24v ETH002 (Cyl. Dogging)	US32D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Concealed Closer	91NDCP	626	RF	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Wall Stop	RM867	US15	RO	087100
1 Gasketing	S88BL (Head & Jambs)		PE	087100
1 Harness Adaptor	52-2946		SA	
1 Card Reader	By Security Supplier			
1 ElectroLynx Harness (Door)	QC-C***** x Length Required		MK	087100
1 ElectroLynx Harness (Frame)	QC-C3000P		MK	087100
1 Position Switch	DPS-MW-BK/GY/WH (as required)		SU	087100
1 Power Supply	AQD (Size and Options as required)		SU	087100
1 Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Operation:

- Door normally closed and secure.
- Access by valid credential presentation unlocking lever trim for a pre-determined time limit and then relocking.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.

- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim unlocks (fail safe) in event of power loss or remote signal, exit device remains latched. Key override cylinder for emergency access.

Set: 11.0

Doors: 18B

2 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
1 Hinge, Full Mortised, Hvy Wt (PWR TRNS)	T4A3386-QCx (# of Wires and Size as Required)	US32D	MK	087100
1 Fire Rated Rim Exit Device (EL TRIM, Fail Sec., RX)	DG164 12 43 55 8876-24v ETH002	US32D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Concealed Closer	91NDCP	626	RF	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Wall Stop	RM867	US15	RO	087100
1 Gasketing	S88BL (Head & Jambs)		PE	087100
1 Card Reader	By Security Supplier			
1 ElectroLynx Harness (Door)	QC-C**** x Length Required		MK	087100
1 ElectroLynx Harness (Frame)	QC-C3000P		MK	087100
1 Position Switch	DPS-MW-BK/GY/WH (as required)		SU	087100
1 Power Supply	AQD (Size and Options as required)		SU	087100
1 Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Operation:

- Door normally closed and secure.
- Access by valid credential presentation unlocking lever trim for a pre-determined time limit and then relocking.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (Fail Secure) in event of power loss or remote signal. Key override cylinder for emergency access.

Set: 12.0

Doors: 168A, 168B, 169

3 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
1 Fire Rated Rim Exit Device (STRM)	DG164 12 43 8806 ETH002	US32D	SA	087100
1 LFIC Core	Large Format Interchangeable Core -	US15	SA	087100

087100 – DOOR HARDWARE
225462.00 – M2O INDIANA JOINT REPLACEMENT INSTITUTE

	Keyed as directed by Owner			
1 Surface Closer	351 CPS (HD Cush STP Arm)	EN	SA	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Gasketing	S88BL (Head & Jambs)		PE	087100

Set: 12.1

Doors: 149, 14B

3 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
1 Fire Rated Rim Exit Device (STRM)	DG164 12 43 8806 ETH002	US32D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Surface Closer	351 CPS (HD Cush STP Arm)	EN	SA	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Threshold	171A MSES25SS x Length Required		PE	087100
1 Gasketing	303AS (Head & Jambs)		PE	087100
1 Auto Door Bottom	4131CRL X Door Width		PE	087100

Set: 13.0

Doors: 273B

3 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
1 Rim Exit Device (CLRM, CD)	DG164 16 43 8813 ETH002 (Cyl. Dogging)	US32D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Concealed Closer (w/HO)	91HDCP	626	RF	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Wall Stop	RM867	US15	RO	087100
3 Silencer	608		RO	087100

Set: 14.0

Doors: 117

2 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
1 Hinge, Full Mortise, Hvy Wt (PWR TRNS)	T4A3786 QCx (# of Wires and Size as Required)	US26D	MK	087100
1 Rim Exit Device (PASS, ELR)	LD 43 56 8815 ETH002	US32D	SA	087100
1 Automatic Opener	6011 / 6021 (As Required)	689	NO	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Wall Stop	RM867	US15	RO	087100

087100 – DOOR HARDWARE
225462.00 – M2O INDIANA JOINT REPLACEMENT INSTITUTE

3 Silencer	608	RO	087100
1 ElectroLynx Harness (Door)	QC-C***** x Length Required	MK	087100
1 ElectroLynx Harness (Frame)	QC-C3000P	MK	087100
2 Auto Operator Actuator Switch	505	NO	087100
1 Power Supply	AQD (Size and Options as required)	SU	087100
1 Wiring Diagram	Elevation and Point to Point as Specified	OT	

Notes: Coordinate all Wiring and conduit with electrical contractor.
Door 19E and 117 are to open simultaneously.

Operation:

- When the actuator button on the exterior of the opening or in the corridor is pressed the auto operators will open door 19E and 117 for assisted entry or egress.
- Manual entry or egress is always available by turning the exit trim lever or pushing the exit device push bar.

Set: 15.0

Doors: 178

2 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
1 Hinge, Full Mortise, Hvy Wt (PWR TRNS)	T4A3786 QCx (# of Wires and Size as Required)	US26D	MK	087100
1 Electrified Mortise Lock	DG164 NAC-82271-24v E2H002	US26D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Surface Closer (Tri-Pack)	351 UO (RA or PA Arm as Required)	EN	SA	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Wall Stop	RM867	US15	RO	087100
1 Silencer	608		RO	087100
1 Card Reader	By Security Supplier			
1 ElectroLynx Harness (Door)	QC-C***** x Length Required		MK	087100
1 ElectroLynx Harness (Frame)	QC-C3000P		MK	087100
1 Position Switch	DPS-MW-BK/GY/WH (as required)		SU	087100
1 Power Supply	AQD (Size and Options as required)		SU	087100
1 Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Coordinate all Wiring and conduit with electrical contractor.

Operation:

- Door normally closed and secure.
- Access by valid credential presentation unlocking lever trim for a pre-determined time limit and then

relocking.

- Egress always free for immediate exit. Request-to-Exit switch allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss. Key override cylinder for emergency access.

Set: 15.1

Doors: 174A

2 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
1 Hinge, Full Mortise, Hvy Wt (PWR TRNS)	T4A3786 QCx (# of Wires and Size as Required)	US26D	MK	087100
1 Electrified Mortise Lock (RX, Fail Safe)	DG164 NAC-82270-24v E2H002	US26D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Surface Closer (Tri-Pack)	351 UO (RA or PA Arm as Required)	EN	SA	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Wall Stop	RM867	US15	RO	087100
3 Silencer	608		RO	087100
1 Card Reader	By Security Supplier			
1 ElectroLynx Harness (Door)	QC-C***** x Length Required		MK	087100
1 ElectroLynx Harness (Frame)	QC-C3000P		MK	087100
1 Push Button	PB2		SU	087100
1 Position Switch	DPS-MW-BK/GY/WH (as required)		SU	087100
1 Power Supply	AQD (Size and Options as required)		SU	087100
1 Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Coordinate all Wiring and conduit with electrical contractor.

Operation:

- Door normally closed and secure.
- Access by valid credential presentation unlocking lever trim for a pre-determined time limit and then relocking.
- Alternate Access by a remote push button at reception unlocking lever trim while depressed and then relocking when released.
- Egress always free for immediate exit. Request-to-Exit switch allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever becomes free to allow entry or egress (fail safe) in event of power loss. Key override cylinder for emergency access.

Set: 15.2

Doors: 141

Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
Hinge, Full Mortise, Hvy Wt (PWR TRNS)	T4A3786 QCx (# of Wires and Size as Required)	US26D	MK	087100
Electrified Mortise Lock	DG164 NAC-82271-24v E2H002	US26D	SA	087100
LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
Concealed Closer	91NDCP	626	RF	087100
Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
Wall Stop	RM867	US15	RO	087100
Silencer	608		RO	087100
Card Reader	By Security Supplier			
ElectroLynx Harness (Door)	QC-C***** x Length Required		MK	087100
ElectroLynx Harness (Frame)	QC-C3000P		MK	087100
Position Switch	DPS-MW-BK/GY/WH (as required)		SU	087100
Power Supply	AQD (Size and Options as required)		SU	087100
Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Coordinate all Wiring and conduit with electrical contractor.

Operation:

- Door normally closed and secure.
- Access by valid credential presentation unlocking lever trim for a pre-determined time limit and then relocking.
- Egress always free for immediate exit. Request-to-Exit switch allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss. Key override cylinder for emergency access.

Set: 15.3

Doors: 272

2 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
1 Hinge, Full Mortise, Hvy Wt (PWR TRNS)	T4A3786 QCx (# of Wires and Size as Required)	US26D	MK	087100
1 Electrified Mortise Lock (RX, Fail Safe)	DG164 NAC-82270-24v E2H002	US26D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100

087100 – DOOR HARDWARE
225462.00 – M2O INDIANA JOINT REPLACEMENT INSTITUTE

1 Concealed Closer	91NDCP	626	RF	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Wall Stop	RM867	US15	RO	087100
3 Silencer	608		RO	087100
1 Card Reader	By Security Supplier			
1 ElectroLynx Harness	QC-C**** x Length Required		MK	087100
1 ElectroLynx Harness (Frame)	QC-C3000P		MK	087100
1 Push Button	PB2		SU	087100
1 Position Switch	DPS-MW-BK/GY/WH (as required)		SU	087100
1 Power Supply	AQD (Size and Options as required)		SU	087100
1 Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Coordinate all Wiring and conduit with electrical contractor.

Operation:

- Door normally closed and secure.
- Access by valid credential presentation unlocking lever trim for a pre-determined time limit and then relocking.
- Alternate Access by a remote push button at reception unlocking lever trim while depressed and then relocking when released.
- Egress always free for immediate exit. Request-to-Exit switch allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever becomes free to allow entry or egress (fail safe) in event of power loss. Key override cylinder for emergency access.

Set: 15.4

Doors: 204

2 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
1 Hinge, Full Mortise, Hvy Wt (PWR TRNS)	T4A3786 QCx (# of Wires and Size as Required)	US26D	MK	087100
1 Electrified Mortise Lock (RX, Fail Safe)	DG164 NAC-82270-24v E2H002	US26D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Concealed Closer	91NDCP	626	RF	087100
1 Wall Stop	RM867	US15	RO	087100
3 Silencer	608		RO	087100
1 Card Reader	By Security Supplier			
1 ElectroLynx Harness	QC-C**** x Length Required		MK	087100
1 ElectroLynx Harness (Frame)	QC-C3000P		MK	087100

1 Push Button	PB2	SU	087100
1 Position Switch	DPS-MW-BK/GY/WH (as required)	SU	087100
1 Power Supply	AQD (Size and Options as required)	SU	087100
1 Wiring Diagram	Elevation and Point to Point as Specified	OT	

Notes: Coordinate all Wiring and conduit with electrical contractor.

Operation:

- Door normally closed and secure.
- Access by valid credential presentation unlocking lever trim for a pre-determined time limit and then relocking.
- Alternate Access by a remote push button at reception unlocking lever trim while depressed and then relocking when released.
- Egress always free for immediate exit. Request-to-Exit switch allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever becomes free to allow entry or egress (fail safe) in event of power loss. Key override cylinder for emergency access.

Set: 16.0

Doors: 174B

2 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
1 Hinge, Full Mortise, Hvy Wt (PWR TRNS)	T4A3786 QCx (# of Wires and Size as Required)	US26D	MK	087100
1 Electrified Mortise Lock	DG164 NAC-82271-24v E2H002	US26D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Concealed Closer	91NDCP	626	RF	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Silencer	608		RO	087100
1 Card Reader	By Security Supplier			
1 ElectroLynx Harness (Door)	QC-C***** x Length Required		MK	087100
1 ElectroLynx Harness (Frame)	QC-C3000P		MK	087100
1 Position Switch	DPS-MW-BK/GY/WH (as required)	SU	087100	
1 Power Supply	AQD (Size and Options as required)	SU	087100	
1 Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Coordinate all Wiring and conduit with electrical contractor.

Operation:

- Door normally closed and secure.
- Access by valid credential presentation unlocking lever trim for a pre-determined time limit and then relocking.
- Egress always free for immediate exit. Request-to-Exit switch allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss. Key override cylinder for emergency access.

Set: 17.0

Doors: [108B](#)

2 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
1 Hinge, Full Mortise, Hvy Wt (PWR TRNS)	T4A3786 QCx (# of Wires and Size as Required)	US26D	MK	087100
1 Electrified Mortise Lock	DG164 NAC-82271-24v E2H002	US26D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Surface Closer (Tri-Pack)	351 UO (RA or PA Arm as Required)	EN	SA	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Wall Stop	RM867	US15	RO	087100
1 Gasketing	S88BL (Head & Jambs)		PE	087100
1 Card Reader	By Security Supplier			
1 ElectroLynx Harness (Door)	QC-C***** x Length Required		MK	087100
1 ElectroLynx Harness (Frame)	QC-C3000P		MK	087100
1 Power Supply	AQD (Size and Options as required)		SU	087100
1 Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Coordinate all Wiring and conduit with electrical contractor.

Operation:

- Door normally closed and secure.
- Access by valid credential presentation unlocking lever trim for a pre-determined time limit and then relocking.
- Egress always free for immediate exit. Request-to-Exit switch allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss. Key override cylinder for emergency access.

Set: 17.1

Doors: 173A

2 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
1 Hinge, Full Mortise, Hvy Wt (PWR TRNS)	T4A3786 QCx (# of Wires and Size as Required)	US26D	MK	087100
1 Electrified Mortise Lock (RX, Fail Safe)	DG164 NAC-82270-24v E2H002	US26D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Concealed Closer	91NDCP	626	RF	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Wall Stop	RM867	US15	RO	087100
1 Gasketing	S88BL (Head & Jambs)		PE	087100
1 Card Reader	By Security Supplier			
1 ElectroLynx Harness (Door)	QC-C**** x Length Required		MK	087100
1 ElectroLynx Harness (Frame)	QC-C3000P		MK	087100
1 Position Switch	DPS-MW-BK/GY/WH (as required)		SU	087100
1 Power Supply	AQD (Size and Options as required)		SU	087100
1 Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Coordinate all Wiring and conduit with electrical contractor.

Operation:

- Door normally closed and secure.
- Access by valid credential presentation unlocking lever trim for a pre-determined time limit and then relocking.
- Egress always free for immediate exit. Request-to-Exit switch allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever becomes free to allow entry or egress (fail safe) in event of power loss. Key override cylinder for emergency access.

Set: 17.2

Doors: 173B

2 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
1 Hinge, Full Mortise, Hvy Wt (PWR TRNS)	T4A3786 QCx (# of Wires and Size as Required)	US26D	MK	087100
1 Electrified Mortise Lock	DG164 NAC-82271-24v E2H002	US26D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100

087100 – DOOR HARDWARE
225462.00 – M2O INDIANA JOINT REPLACEMENT INSTITUTE

1 Concealed Closer	91NDCP	626	RF	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Wall Stop	RM867	US15	RO	087100
1 Gasketing	S88BL (Head & Jambs)		PE	087100
1 Card Reader	By Security Supplier			
1 ElectroLynx Harness (Door)	QC-C***** x Length Required		MK	087100
1 ElectroLynx Harness (Frame)	QC-C3000P		MK	087100
1 Power Supply	AQD (Size and Options as required)		SU	087100
1 Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Coordinate all Wiring and conduit with electrical contractor.

Operation:

- Door normally closed and secure.
- Access by valid credential presentation unlocking lever trim for a pre-determined time limit and then relocking.
- Egress always free for immediate exit. Request-to-Exit switch allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss. Key override cylinder for emergency access.

Set: 17.3

Doors: 107B

3 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
3 Hinge, Full Mortise, Hvy Wt (PWR TRNS)	T4A3786 QCx (# of Wires and Size as Required)	US26D	MK	087100
1 Electrified Mortise Lock	DG164 NAC-82271-24v E2H002	US26D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Concealed Closer	91NDCP	626	RF	087100
1 Wall Stop	RM867	US15	RO	087100
1 Gasketing	S88BL (Head & Jambs)		PE	087100
1 Card Reader	By Security Supplier			
1 ElectroLynx Harness (Door)	QC-C***** x Length Required		MK	087100
1 ElectroLynx Harness (Frame)	QC-C3000P		MK	087100
1 Power Supply	AQD (Size and Options as required)		SU	087100
1 Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Coordinate all Wiring and conduit with electrical contractor.

Operation:

- Door normally closed and secure.
- Access by valid credential presentation unlocking lever trim for a pre-determined time limit and then relocking.
- Egress always free for immediate exit. Request-to-Exit switch allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss. Key override cylinder for emergency access.

Set: 18.0

Doors: 109

2 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
1 Hinge, Full Mortise, Hvy Wt (PWR TRNS)	T4A3786 QCx (# of Wires and Size as Required)	US26D	MK	087100
1 Electrified Mortise Lock	DG164 NAC-82271-24v E2H002	US26D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Concealed Closer	91NDCP	626	RF	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Gasketing	S88BL (Head & Jambs)		PE	087100
1 Card Reader	By Security Supplier			
1 ElectroLynx Harness (Door)	QC-C**** x Length Required		MK	087100
1 ElectroLynx Harness (Frame)	QC-C3000P		MK	087100
1 Push Button	PB2		SU	087100
1 Position Switch	DPS-MW-BK/GY/WH (as required)		SU	087100
1 Power Supply	AQD (Size and Options as required)		SU	087100
1 Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Coordinate all Wiring and conduit with electrical contractor.

Operation:

- Door normally closed and secure.
- Access by valid credential presentation unlocking lever trim for a pre-determined time limit and then relocking.
- Alternate Access by Push Button (at reception) unlocking lever trim while depressed and then relocking when released.
- Egress always free for immediate exit. Request-to-Exit switch allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.

- Outside lever trim remains locked (fail secure) in event of power loss. Key override cylinder for emergency access.

Set: 19.0

Doors: [153](#)

6 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK	087100
1 Self Latching Flush Bolt Set	2845 / 2945 (as required)	US26D	RO	087100
1 Dust Proof Strike	570	US26D	RO	087100
1 Storeroom/Closet Lock	DG164 8204 E2H002	US32D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
2 Concealed Closer	91NDCP	626	RF	087100
2 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
2 Wall Stop	RM867	US15	RO	087100
2 Silencer	608		RO	087100

Set: 20.0

Doors: [159](#), [249](#), [263](#)

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK	087100
1 Storeroom/Closet Lock	DG164 8204 E2H002	US32D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Surface Closer (Tri-Pack)	351 UO (RA or PA Arm as Required)	EN	SA	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Wall Stop	RM867	US15	RO	087100
3 Silencer	608		RO	087100

Set: 20.1

Doors: [185](#)

Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK	087100
Storeroom/Closet Lock	DG164 8204 E2H002	US32D	SA	087100
LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
Wall Stop	RM867	US15	RO	087100
Silencer	608		RO	087100

Set: 20.2

Doors: 232

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK	087100
1 Storeroom/Closet Lock	DG164 8204 E2H002	US32D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Concealed Closer	91NDCP	626	RF	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Wall Stop	RM867	US15	RO	087100
3 Silencer	608		RO	087100

Set: 21.0

NOT USED

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK	087100
1 Storeroom/Closet Lock	DG164 8204 E2H002	US32D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Surface Closer	351 CPS (HD PA SPG STP Arm)	EN	SA	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
3 Silencer	608		RO	087100

Set: 22.0

Doors: 213

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK	087100
1 Storeroom/Closet Lock	DG164 8204 E2H002	US32D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Concealed Closer	91NDCP	626	RF	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Wall Stop	RM867	US15	RO	087100
1 Gasketing	S88BL (Head & Jambs)		PE	087100

Set: 22.1

Doors: 270

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK	087100
1 Storeroom/Closet Lock	DG164 8204 E2H002	US32D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100

087100 – DOOR HARDWARE

225462.00 – M2O INDIANA JOINT REPLACEMENT INSTITUTE

1 Surface Closer (Tri-Pack)	351 UO (RA or PA Arm as Required)	EN	SA	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Wall Stop	RM867	US15	RO	087100
1 Threshold	171A MSES25SS x Length Required		PE	087100
1 Gasketing	303AS (Head & Jambs)		PE	087100
1 Auto Door Bottom	4131CRL X Door Width		PE	087100

Set: 23.0

Doors: 171

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK	087100
1 Storeroom/Closet Lock	DG164 8204 E2H002	US32D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Surface Closer	351 CPS (HD Cush STP Arm)	EN	SA	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Gasketing	S88BL (Head & Jambs)		PE	087100

Set: 24.0

NOT USED

3 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
1 Storeroom/Closet Lock	DG164 8204 E2H002	US32D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 ElectroLynx Adaptor	2004M		HS	087100
1 SMART Pac Bridge Rectifier	2005M3		HS	087100
1 Electric Strike	1600-CS	630	HS	087100
1 Automatic Opener	6011 / 6021 (As Required)	689	NO	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Gasketing	S88BL (Head & Jambs)		PE	087100
1 Card Reader	By Security Supplier			
1 ElectroLynx Harness (Frame)	QC-C3000P		MK	087100
1 Motion Sensor	XMS		SU	087100
1 Position Switch	DPS-MW-BK/GY/WH (as required)		SU	087100
1 Auto Operator Actuator Switch	505		NO	087100
1 Power Supply	AQD (Size and Options as required)		SU	087100
1 Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Coordinate all Wiring and conduit with electrical contractor.

Operation:

- Door normally closed and secure.
- Access by valid credential presentation releasing the electric strike and activating the auto operator to open the door for authorized entry.
- Pressing the auto operator actuator on the unsecure side of the opening will release the electric strike and activate the auto operator to open the door for egress.
- Manual Egress, always free for immediate exit. Request-to-Exit motion sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss. Key override cylinder for emergency access.

Set: 25.0

Doors: [172](#), [177](#), [214](#), [229](#), [231](#), [247](#), [248](#), [265](#)

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK	087100
1 Office/Entry Lock	DG164 T2 8205 E2H002	US32D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Wall Stop	RM867	US15	RO	087100
1 Silencer	608		RO	087100

Set: 25.1

Doors: [209](#)

3 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
1 Office/Entry Lock	DG164 T2 8205 E2H002	US32D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Wall Stop	RM867	US15	RO	087100
3 Silencer	608		RO	087100

Set: 26.0

Doors: [205](#)

6 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK	087100
1 Self Latching Flush Bolt Set	2845 / 2945 (as required)	US26D	RO	087100
1 Dust Proof Strike	570	US26D	RO	087100
1 Classroom Lock	DG164 8237 E2H002	US32D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100

087100 – DOOR HARDWARE
225462.00 – M2O INDIANA JOINT REPLACEMENT INSTITUTE

2 Concealed Closer	91NDCP	626	RF	087100
2 Wall Stop	RM867	US15	RO	087100
2 Silencer	608		RO	087100

Set: 27.0

Doors: 215, 216A, 216B, 274A, 274B

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK	087100
1 Classroom Lock	DG164 8237 E2H002	US32D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Concealed Closer	91NDCP	626	RF	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Wall Stop	RM867	US15	RO	087100
3 Silencer	608		RO	087100

Set: 27.1

Doors: 281

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK	087100
1 Classroom Lock	DG164 8237 E2H002	US32D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Concealed Closer	91NDCP	626	RF	087100
1 Wall Stop	RM867	US15	RO	087100
3 Silencer	608		RO	087100

Set: 27.2

Doors: 264

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK	087100
1 Classroom Lock	DG164 8237 E2H002	US32D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Wall Stop	RM867	US15	RO	087100
3 Silencer	608		RO	087100

Set: 28.0

Doors: 217

1 Pivot Set	L147	630	RF	087100
1 Intermediate Pivot	ML19	630	RF	087100
1 Classroom Lock (Lead Lined)	DG164 74 8237 E2H002	US32D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Surface Closer (Tri-Pack, Lead Lined)	351 UO Lead Line Cover	EN	SA	087100
1 Kick Plate (Adhesive Mount)	K1050 10" high SA BEV	US32D	RO	087100
1 Wall Stop	RM867	US15	RO	087100
3 Silencer	608		RO	087100

Set: 28.1

Doors: 218

1 Pivot Set	L147	630	RF	087100
1 Intermediate Pivot	ML19	630	RF	087100
1 Classroom Lock (Lead Lined)	DG164 74 8237 E2H002	US32D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Surface Closer (Tri-Pack, Lead Lined)	351 UO Lead Line Cover	EN	SA	087100
1 Kick Plate (Adhesive Mount)	K1050 10" high SA BEV	US32D	RO	087100
1 Wall Stop	RM867	US15	RO	087100
3 Silencer	608		RO	087100

Set: 29.0

NOT USED

3 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
1 Classroom Lock	DG164 8237 E2H002	US32D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Surface Closer	351 CPS (HD PA SPG STP Arm)	EN	SA	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
3 Silencer	608		RO	087100

Set: 30.0

Doors: 104, 146

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK	087100
1 Classroom Lock	DG164 8237 E2H002	US32D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Surface Closer (Tri-Pack)	351 UO (RA or PA Arm as Required)	EN	SA	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Wall Stop	RM867	US15	RO	087100
1 Gasketing	S88BL (Head & Jambs)		PE	087100

Set: 30.1

Doors: 139, 165B

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK	087100
1 Classroom Lock	DG164 8237 E2H002	US32D	SA	087100
1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Concealed Closer	91NDCP	626	RF	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Wall Stop	RM867	US15	RO	087100
1 Gasketing	S88BL (Head & Jambs)		PE	087100

Set: 30.2

Doors: 186

Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK	087100
Classroom Lock	DG164 8237 E2H002	US32D	SA	087100
LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
Concealed Closer (w/HO)	91HDCP	626	RF	087100
Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
Wall Stop	RM867	US15	RO	087100
Gasketing	S88BL (Head & Jambs)		PE	087100

Set: 31.0

NOT USED

3 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
1 Classroom Lock	DG164 8237 E2H002	US32D	SA	087100

087100 – DOOR HARDWARE
225462.00 – M2O INDIANA JOINT REPLACEMENT INSTITUTE

1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 ElectroLynx Adaptor	2004M		HS	087100
1 SMART Pac Bridge Rectifier	2005M3		HS	087100
1 Electric Strike	1600-CS	630	HS	087100
1 Automatic Opener	6011 / 6021 (As Required)	689	NO	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
3 Silencer	608		RO	087100
1 Card Reader	By Security Supplier			
1 ElectroLynx Harness (Frame)	QC-C3000P		MK	087100
1 Motion Sensor	XMS		SU	087100
1 Position Switch	DPS-MW-BK/GY/WH (as required)		SU	087100
1 Auto Operator Actuator Switch	505		NO	087100
1 Power Supply	AQD (Size and Options as required)		SU	087100
1 Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Coordinate all Wiring and conduit with electrical contractor.

Operation:

- Door normally closed and latched. Lockset is Classroom Function and can be locked or unlocked as required.
- Access by valid credential presentation releasing the electric strike and activating the auto operator to open the door for authorized entry.
- Pressing the auto operator actuator on the unsecure side of the opening will release the electric strike and activate the auto operator to open the door for egress.
- Manual Egress, always free for immediate exit. Request-to-Exit motion sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss. Key override cylinder for emergency access.

Set: 32.0

Doors: 234, 251

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK	087100
1 Privacy Lock	T2 V21 8265 E2H002	US32D	SA	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Wall Stop	RM867	US15	RO	087100
3 Silencer	608		RO	087100
1 Coat Hook	RM817	US15	RO	087100

Set: 33.0

Doors: 102, 103, 183, 184, 233, 252

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK	087100
1 Privacy Lock	T2 V21 8265 E2H002	US32D	SA	087100
1 Concealed Closer	91NDCP	626	RF	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Wall Stop	RM867	US15	RO	087100
3 Silencer	608		RO	087100
1 Coat Hook	RM817	US15	RO	087100

Set: 34.0

NOT USED

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK	087100
1 Privacy Lock	T2 V21 8265 E2H002	US32D	SA	087100
1 Surf Overhead Stop	10-X36 (Size as Required)	630	RF	087100
1 Surface Closer (Tri-Pack)	351 UO (RA or PA Arm as Required)	EN	SA	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
3 Silencer	608		RO	087100
1 Coat Hook	RM817	US15	RO	087100

Set: 35.0

Doors: 108A, 271

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK	087100
1 Passage Latch	8215 E2H002	US32D	SA	087100
1 Wall Stop	RM867	US15	RO	087100
3 Silencer	608		RO	087100

Set: 36.0

Doors: 175, 208, 211

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK	087100
1 Passage Latch	8215 E2H002	US32D	SA	087100
1 Surf Overhead Stop	10-X36 (Size as Required)	630	RF	087100
3 Silencer	608		RO	087100

Set: 36.1

Doors: [224](#), [225](#), [226](#), [227](#), [236](#), [237](#), [238](#), [239](#), [242](#), [243](#), [244](#), [245](#), [254](#), [255](#), [256](#), [257](#), [258](#), [259](#), [266](#), [267](#)

3 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
1 Passage Latch	8215 E2H002	US32D	SA	087100
1 Surf Overhead Stop	10-X36 (Size as Required)	630	RF	087100
3 Silencer	608		RO	087100

Set: 37.0

Doors: [145](#), [166B](#), [219](#), [275](#)

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK	087100
1 Passage Latch	8215 E2H002	US32D	SA	087100
1 Concealed Closer	91NDCP	626	RF	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Wall Stop	RM867	US15	RO	087100
3 Silencer	608		RO	087100

Set: 37.1

Doors: [282B](#), [282C](#)

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK	087100
1 Passage Latch	8215 E2H002	US32D	SA	087100
1 Concealed Closer (w/HO)	91HDCP	626	RF	087100
1 Wall Stop	RM867	US15	RO	087100
3 Silencer	608		RO	087100

Set: 37.2

Doors: [107A](#)

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK	087100
1 Passage Latch	8215 E2H002	US32D	SA	087100
1 Concealed Closer	91NDCP	626	RF	087100
1 Wall Stop	RM867	US15	RO	087100
3 Silencer	608		RO	087100

Set: 37.3

Doors: [182](#), [278](#)

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK	087100
-----------------------	---	-------	----	--------

087100 – DOOR HARDWARE
225462.00 – M2O INDIANA JOINT REPLACEMENT INSTITUTE

1 Passage Latch	8215 E2H002	US32D	SA	087100
1 Concealed Closer	91NDCP	626	RF	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Wall Stop	RM867	US15	RO	087100
3 Silencer	608		RO	087100

Set: 37.4

Doors: 282A, 284

Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK	087100
Passage Latch	8215 E2H002	US32D	SA	087100
Concealed Closer (w/HO)	91HDCP	626	RF	087100
Wall Stop	RM867	US15	RO	087100
Silencer	608		RO	087100

Set: 38.0

Doors: 179B, 181B

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK	087100
1 Passage Latch	8215 E2H002	US32D	SA	087100
1 Surf Overhead Stop	10-X36 (Size as Required)	630	RF	087100
1 Surface Closer (Tri-Pack)	351 UO (RA or PA Arm as Required)	EN	SA	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Wall Stop	RM867	US15	RO	087100
3 Silencer	608		RO	087100

Set: 39.0

Doors: 179A, 181A, 283, 285

3 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
1 Passage Latch	8215 E2H002	US32D	SA	087100
1 Concealed Closer	91NDCP	626	RF	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Wall Stop	RM867	US15	RO	087100
1 Gasketing	S88BL (Head & Jambs)		PE	087100

Set: 40.0

Doors: 165A

3 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
-------------------------------	------------------------------------	-------	----	--------

087100 – DOOR HARDWARE

225462.00 – M2O INDIANA JOINT REPLACEMENT INSTITUTE

1 Hospital Latch	TB 28 114 / 115 (Backset as Required)	US26D	SA	087100
1 Concealed Closer	91NDCP	626	RF	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Wall Stop	RM867	US15	RO	087100
1 Gasketing	S88BL (Head & Jambs)		PE	087100

Set: 41.0

Doors: 154B, 155, 166A

3 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
1 Hospital Latch	TB 28 114 / 115 (Backset as Required)	US26D	SA	087100
1 Surface Closer (Tri-Pack)	351 UO (RA or PA Arm as Required)	EN	SA	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Wall Stop	RM867	US15	RO	087100
3 Silencer	608		RO	087100

Set: 41.1

Doors: 154A

3 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
1 Hospital Latch	TB 28 114 / 115 (Backset as Required)	US26D	SA	087100
1 Concealed Closer	91NDCP	626	RF	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Wall Stop	RM867	US15	RO	087100
3 Silencer	608		RO	087100

Set: 42.0

Doors: 157A, 157B, 163A, 163B

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK	087100
1 Hospital Latch	TB 28 114 / 115 (Backset as Required)	US26D	SA	087100
1 Concealed Closer	91NDCP	626	RF	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
3 Silencer	608		RO	087100

Set: 43.0

Doors: 156, 158, 162, 164

3 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
1 Hospital Latch	TB 28 114 / 115 (Backset as Required)	US26D	SA	087100
1 ElectroLynx Adaptor	2004M		HS	087100
1 SMART Pac Bridge Rectifier	2005M3		HS	087100
1 Electric Strike	1600-CS	630	HS	087100
1 Automatic Opener	6011 / 6021 (As Required)	689	NO	087100
1 Armor Plate	K1050 36" high BEV CSK	US32D	RO	087100
1 Gasketing	S88BL (Head & Jambs)		PE	087100
1 ElectroLynx Harness (Frame)	QC-C3000P		MK	087100
1 Auto Operator Actuator Switch	505		NO	087100
1 Power Supply	AQD (Size and Options as required)		SU	087100
1 Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Coordinate all Wiring and conduit with electrical contractor.

Operation:

- Pressing the Auto Operator Actuator on either side of the opening will release the electric strike and activate the auto operator to open the door.
- Manual Entry or Egress available by pushing/pulling the hospital latching paddle.

Set: 43.1

Doors: 151, 152

3 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK	087100
1 Hospital Latch	TB 28 114 / 115 (Backset as Required)	US26D	SA	087100
1 ElectroLynx Adaptor	2004M		HS	087100
1 SMART Pac Bridge Rectifier	2005M3		HS	087100
1 Electric Strike	1600-CS	630	HS	087100
1 Automatic Opener	6011 / 6021 (As Required)	689	NO	087100
1 Armor Plate	K1050 36" high BEV CSK	US32D	RO	087100
1 Gasketing	S88BL (Head & Jambs)		PE	087100
1 ElectroLynx Harness (Frame)	QC-C3000P		MK	087100
1 Touchless Auto Operator Actuator Switch	700		NO	087100
1 Power Supply	AQD (Size and Options as required)		SU	087100

1 Wiring Diagram	Elevation and Point to Point as Specified	OT
------------------	---	----

Notes: Coordinate all Wiring and conduit with electrical contractor.

Operation:

- Motion in close proximity to Auto Operator Actuator on either side of the opening will release the electric strike and activate the auto operator to open the door.
- Manual Entry or Egress available by pushing/pulling the hospital latching paddle.

Set: 44.0

Doors: [112](#), [118](#), [119](#), [123](#), [124](#), [128](#), [129](#), [132](#), [135](#), [136](#), [137](#), [138](#), [142](#), [143](#), [144](#)

1 Sliding Door Hardware	Sliding Door Assembly by Rite Slide	RS
1 Classroom Lock	S9670 (Lever to match Sargent H002 as closely as possible) 630	RS 081473

Set: 44.1

Doors: [114](#), [116](#), [131](#), [134](#)

1 Sliding Door Hardware	Sliding Door Assembly by Rite Slide	RS
1 Privacy Lock	S9640 (Lever to match Sargent H002 as closely as possible) 630	RS 081473

Set: 45.0

Doors: 10A, 10B, X10, X11, X12, X9

1 LFIC Core	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
1 Cylinder	type as required	US32D	SA	087100
1	All Hardware Provided By Door Supplier			

END OF SECTION 087100



KEYPLAN - AREA A

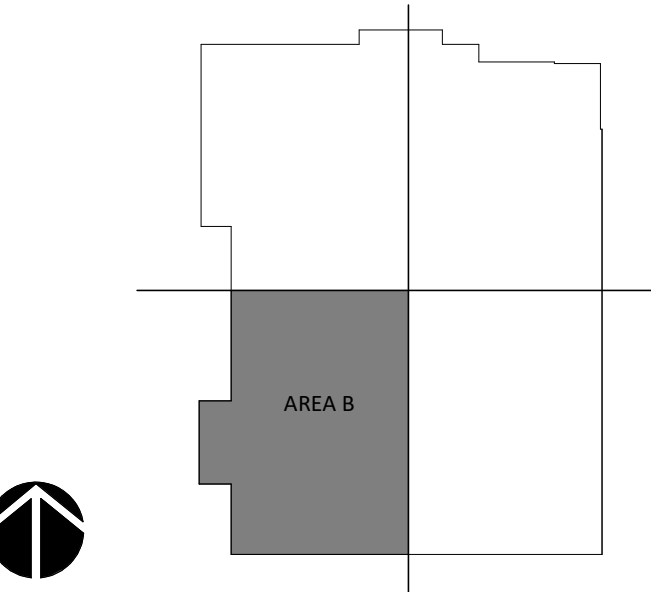
	1980	1985	1990	1995	2000	2005	2010	2015	2020
Population	76.5	80.5	84.5	88.5	92.5	96.5	100.0	103.5	107.0
GDP per capita	1,200	1,500	1,800	2,100	2,400	2,700	3,000	3,300	3,600
Life expectancy at birth	65	68	71	74	77	80	83	86	89
Urban population (%)	25	30	35	40	45	50	55	60	65
Employment rate (%)	55	58	61	64	67	70	73	76	79
Government expenditure as % of GDP	15	18	21	24	27	30	33	36	39
Foreign aid as % of GDP	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3
Healthcare expenditure as % of GDP	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5
Educational expenditure as % of GDP	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0
Infrastructure investment as % of GDP	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
Research and development as % of GDP	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3
Environmental protection as % of GDP	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
Social welfare expenditure as % of GDP	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6
Defense expenditure as % of GDP	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
Public debt as % of GDP	10	12	14	16	18	20	22	24	26
Unemployment rate (%)	10	9	8	7	6	5	4	3	2
Inflation rate (%)	5	6	7	8	9	10	11	12	13
Interest rate (%)	12	11	10	9	8	7	6	5	4
Exchange rate (USD/Local)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8
Trade balance (% of GDP)	-2	-1	0	1	2	3	4	5	6
Fiscal balance (% of GDP)	-1	-0.5	0	0.5	1	1.5	2	2.5	3
Current account balance (% of GDP)	-3	-2	-1	0	1	2	3	4	5
Net foreign direct investment (% of GDP)	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3
Net portfolio investment (% of GDP)	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
Net long-term capital flows (% of GDP)	0.7	0.9	1.1	1.3	1.5	1.7	1.9	2.1	2.3
Net short-term capital flows (% of GDP)	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1
Net financial flows (% of GDP)	1.0	1.3	1.6	1.9	2.2	2.5	2.8	3.1	3.4
Net primary income (% of GDP)	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
Net secondary income (% of GDP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Net tertiary income (% of GDP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Net quaternary income (% of GDP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Net income from abroad (% of GDP)	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2
Net current transfers (% of GDP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Net capital transfers (% of GDP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Net income from investments (% of GDP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Net income from services (% of GDP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Net income from goods (% of GDP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Net income from taxes (% of GDP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Net income from social security (% of GDP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Net income from other sources (% of GDP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Net income from all sources (% of GDP)	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	

SHEET TITLE	FLOOR PLAN - LEVEL 1 AREA A
SHEET NUMBER	A-A2.10A

6/7/2023 1:29:01 PM
Autodesk Docs/225462.00 M2 Orthopedic Indiana R22/225462.00 A-A2.10B Floor Plan
THIS LINE IS INDICATED WHEN PRINTED TO SCALE



MEDICAL GAS LEGEND	
	OXYGEN
	AIR
	VACUUM
	SLIDE
	ZONE VALVE BOX
	MED GAS AREA ALARM PANEL
	MED GAS ALARM PANEL



KEYPLAN - AREA B

- FLOOR PLAN GENERAL NOTES**
- DIMENSIONS ARE TO FACE OF INTERIOR GYPSUM BOARD, TILE BACKER BOARD, FACE OF EXTERIOR WALL MATERIALS, STRUCTURAL GRIDS AND CENTERLINES WHERE INDICATED.
 - ALL GYPSUM WALLBOARD TO BE 5/8" UNO TYPE "X" EXCEPT AT THE FOLLOWING LOCATIONS:
 - AT RESTROOMS WITHOUT A SHOWER (TCNA C02 AREAS), PROVIDE 5/8" UNO MOISTURE AND MOLD RESISTANT GYPSUM BOARD COMPLYING WITH ASTM C1396 FOR WALLS AND BEHIND TILE.
 - AT WET AREAS INCLUDING BUT NOT LIMITED TO SHOWERS, STERILE PROCESSING ROOMS, JANITOR CLOSETS, SAUNAS, AND SWIMMING POOLS (TCNA C03/4 AREAS), PROVIDE:
 - AT TILE AND WALL PROTECTION LOCATIONS: PROVIDE 5/8" UNO COATED GLASS-MAT FACED WATER-RESISTANT GYPSUM WALLBOARD COMPLYING WITH ASTM C1178 OR 5/8" UNO CEMENT BACKER BOARD COMPLYING WITH ASTM C1325
 - AT PAINTED GYPSUM BOARD LOCATIONS (INCLUDING CEILING): PROVIDE 5/8" UNO TYPE "X" MOISTURE AND MOLD RESISTANT GYPSUM BOARD COMPLYING WITH ASTM C1396
 - PROVIDE RATED ENCLOSURES OR PUTTY PACKS AROUND ALL OUTLETS, BOXES, CABINETS, PIPING, DUCTWORK, ETC., THAT ARE RECESSED IN FIRE-RATED WALLS. ENCLOSE TO PROVIDE SAME RATING AS THE WALL WHERE IT IS LOCATED. SEE SHEET DETAILS ON THE A7 SHEETS.
 - DOORS SHALL BE LOCATED 4" FROM ADJACENT PERPENDICULAR WALL TO THE INSIDE EDGE OF THE DOOR FRAME, UNO. SEE DOOR DETAILS ON THE A8 SHEETS.
 - J-BOXES SHOWN BACK-TO-BACK MAY BE ADJUSTED TO OFFSET THE BOXES WITH APPROVAL FROM THE ARCHITECT. SEE DETAILS ON THE A7 SHEETS.
 - HIGHEST PRIORITY PARTITIONS ARE LISTED FIRST IN THE PARTITION LEGENDS. SUBSEQUENT PARTITIONS DECREASE IN PRIORITY. HIGHER PRIORITY WALLS TAKES PRECEDENCE, SEE WALL PRIORITY DETAILS ON A7 SHEETS.
 - EXISTING PARTITIONS APPEAR AS "WALL-TONE" ON PLANS.
 - GC TO PROVIDE BACKING AT ALL WALL-MOUNTED ACCESSORIES AND EQUIPMENT. SEE SHEET A-A7.20. PROVIDE A BACKING PLAN FOR REVIEW.
 - GC TO COORDINATE ALL VENDOR PROVIDED DRAWINGS WITH ALL TRADES PRIOR TO INSTALLATION.
 - GC TO COORDINATE WITH VENDOR FOR EXTERIOR LOCATION OF BLOOD SAMPLE WHITE BOXES.
 - ALL WINDOW SILLS TO BE SOLID SURFACE. REF. DETAIL 11/A-A7.20

PARTITION GRAPHIC LEGEND		
GRAPHIC	DESCRIPTION	TYPE
	1 HOUR SMOKE BARRIER	1AB
	1 HOUR FIRE BARRIER / SHAFT	1SA
	1 HOUR FIRE BARRIER	1AB
	SOUND PARTITION	0AB
	SOUND PARTITION	0AC
	BRACED PARTITION	0BA
	FURRING PARTITION	0FA

POWER OUTLET LEGEND	
SYMBOLS	
	DUPLEX OUTLET
	DUPLEX FLOOR OUTLET
	QUAD OUTLET
	QUAD FLOOR OUTLET
DESIGNATIONS	
+##"	INDICATES HEIGHT IN INCHES AFF TO OUTLET CENTERLINE. DEFAULT HEIGHT = 18" AFF TO CENTERLINE UNLESS TAGGED OTHERWISE. TYPICAL FOR ALL OUTLETS
R	RECESSED OUTLET (TYPE PER SYMBOL OR OTHER DESIGNATION)
D	DEDICATED OUTLET
208V	208 VOLT OUTLET
GFI	OUTLET W/ GROUND FAULT CIRCUIT INTERRUPT PROTECTION
EM	EMERGENCY OUTLET

DATA OUTLET LEGEND	
SYMBOLS	
	DATA OUTLET
	FLOOR DATA OUTLET
	PHONE OUTLET
	FLOOR PHONE OUTLET
	DATA/PHONE OUTLET
	FLOOR DATA/PHONE OUTLET

SPECIAL PURPOSE OUTLET LEGEND	
SYMBOLS	
	SPECIAL PURPOSE OUTLET
DESIGNATIONS	
TV	TV OUTLET
CR	CARD READER
DO	DOOR OPENER BUTTON
DR	DOOR RELEASE BUTTON
AI	AI PHONE INTERCOM
PA	PANIC ALARM
LD	LOCK DOWN
SC	SECURITY CAMERA

MISCELLANEOUS ELECTRICAL LEGEND	
	LIGHT SWITCH
	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUNCIATOR PANEL
	NURSE CALL CONTROL, MED GAS ALARM, EMERGENCY GENERATOR ALARM, MAIN ALARM PANELS

NURSE CALL LEGEND	
SYMBOLS	
	NURSE CALL
DESIGNATIONS	
EP	EMERGENCY PULL
CB	CODE BLUE
DS	DUTY STATION
DOMES LIGHT	
	CEILING MOUNTED, PLAN VIEW

BOULDER ASSOCIATES

5646 MILTON STREET, SUITE 240
DALLAS, TEXAS 75206
214.420.5700

PROJECT 225462.00

IJRI - AMBULATORY SURGICAL CENTER

14065 BORG WARNER DRIVE
NOBLESVILLE, IN 46060

CONSTRUCTION DOCUMENTS

DATE 2023.04.28

REVISIONS

#	DESCRIPTION	DATE
2	Addendum #2	2023.06.07

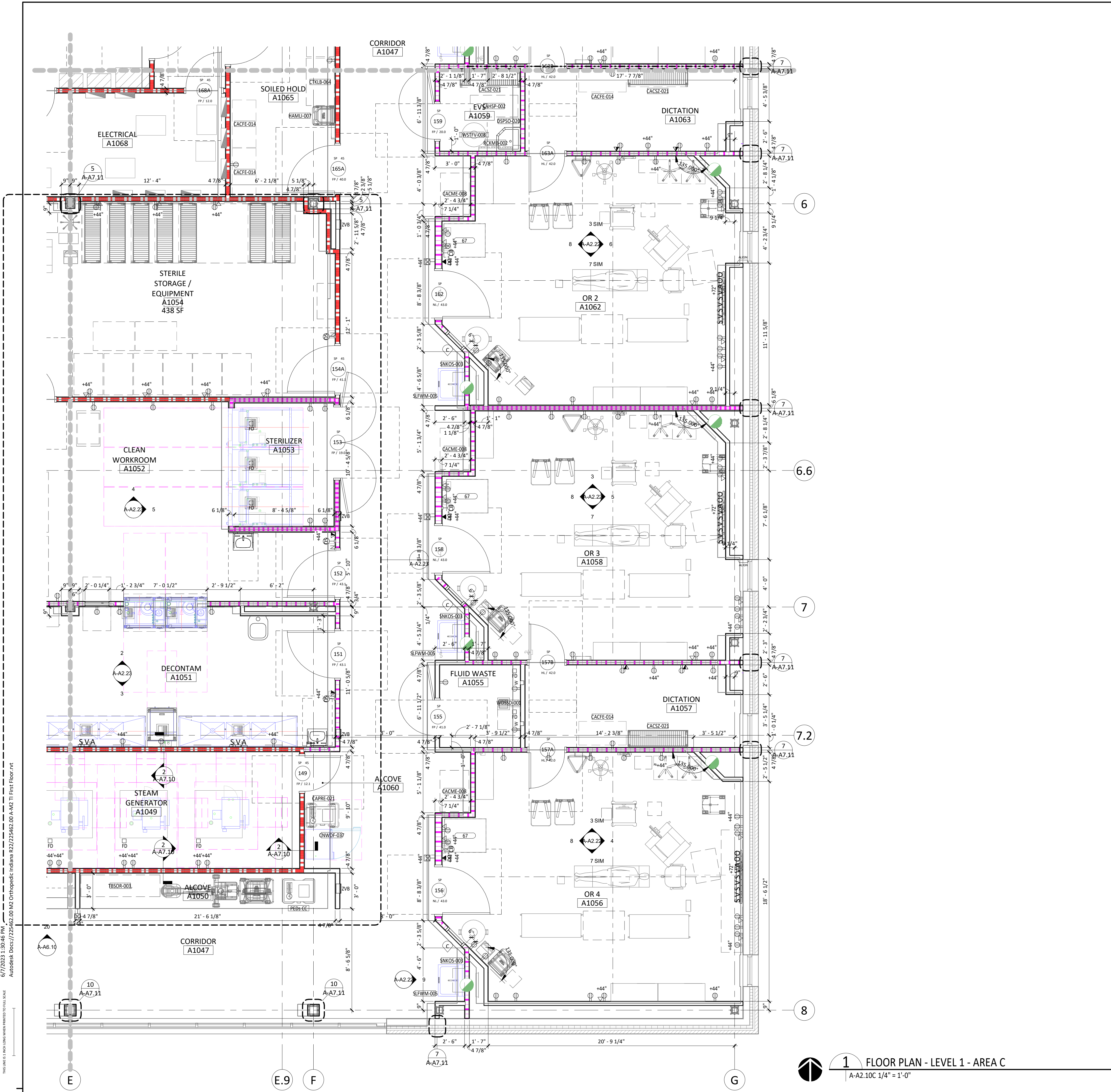
2023.06.07

SHEET TITLE

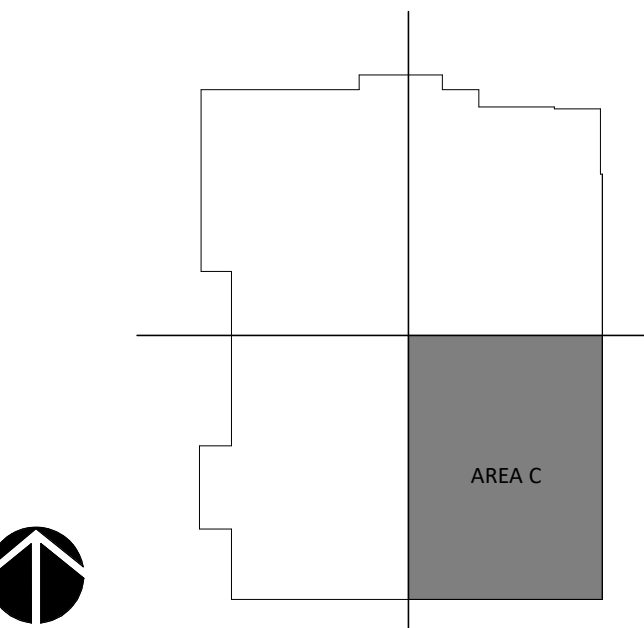
**FLOOR PLAN - LEVEL 1
AREA B**

SHEET NUMBER

A-A2.10B



MEDICAL GAS LEGEND	
	OXYGEN
	AIR
	VACUUM
	SLIDE
	ZONE VALVE BOX
	MED GAS AREA ALARM PANEL
	MED GAS ALARM PANEL



KEYPLAN - AREA C

- FLOOR PLAN GENERAL NOTES**
- DIMENSIONS ARE TO FACE OF INTERIOR GYPSUM BOARD, TILE BACKER BOARD, FACE OF EXTERIOR WALL MATERIALS, STRUCTURAL GRIDS AND CENTERLINES WHERE INDICATED.
 - ALL GYPSUM WALLBOARD TO BE 5/8" UNO TYPE "X" EXCEPT AT THE FOLLOWING LOCATIONS:
 - AT RESTROOMS WITHOUT A SHOWER (TCNA COM2 AREAS), PROVIDE 5/8" UNO MOISTURE AND MOLD RESISTANT GYPSUM BOARD COMPLYING WITH ASTM C1396 FOR WALLS AND BEHIND TILE.
 - AT WET AREAS INCLUDING BUT NOT LIMITED TO SHOWERS, STERILE PROCESSING ROOMS, JANITOR CLOSETS, SAUNAS, AND SWIMMING POOLS (TCNA COM3/4 AREAS), PROVIDE:
 - AT TILE AND WALL PROTECTION LOCATIONS: PROVIDE 5/8" UNO COATED GLASS-MAT FACED WATER-RESISTANT GYPSUM WALLBOARD COMPLYING WITH ASTM C1178 OR 5/8" UNO CEMENT BACKER BOARD COMPLYING WITH ASTM C1325
 - AT PAINTED GYPSUM BOARD LOCATIONS (INCLUDING CEILING): PROVIDE 5/8" UNO TYPE "X" MOISTURE AND MOLD RESISTANT GYPSUM BOARD COMPLYING WITH ASTM C1396
 - PROVIDE RATED ENCLOSURES OR PUTTY PACKS AROUND ALL OUTLETS, BOXES, CABINETS, PIPING, DUCTWORK, ETC., THAT ARE RECESSED IN FIRE-RATED WALLS. ENCLOSE TO PROVIDE SAME RATING AS THE WALL WHERE IT IS LOCATED. SEE SHEET DETAILS ON THE A7 SHEETS.
 - DOORS SHALL BE LOCATED 4" FROM ADJACENT PERPENDICULAR WALL TO THE INSIDE EDGE OF THE DOOR FRAME, UNO. SEE DOOR DETAILS ON THE A8 SHEETS.
 - J-BOXES SHOWN BACK-TO-BACK MAY BE ADJUSTED TO OFFSET THE BOXES WITH APPROVAL FROM THE ARCHITECT. SEE DETAILS ON THE A7 SHEETS.
 - HIGHEST PRIORITY PARTITIONS ARE LISTED FIRST IN THE PARTITION LEGENDS. SUBSEQUENT PARTITIONS DECREASE IN PRIORITY. HIGHER PRIORITY WALLS TAKES PRECEDENCE, SEE WALL PRIORITY DETAILS ON A7 SHEETS.
 - EXISTING PARTITIONS APPEAR AS "WALL-TONE" ON PLANS. GC TO PROVIDE BACKING AT ALL WALL-MOUNTED ACCESSORIES AND EQUIPMENT. SEE SHEET A-A7.20. PROVIDE A BACKING PLAN FOR REVIEW.
 - GC TO COORDINATE ALL VENDOR PROVIDED DRAWINGS WITH ALL TRADES PRIOR TO INSTALLATION.
 - GC TO COORDINATE WITH VENDOR FOR EXTERIOR LOCATION OF BLOOD SAMPLE WHITE BOXES.
 - ALL WINDOW SILLS TO BE SOLID SURFACE. REF. DETAIL 11/A-A7.20

PARTITION GRAPHIC LEGEND

GRAPHIC	DESCRIPTION	TYPE
	1 HOUR SMOKE BARRIER	1AB
	1 HOUR FIRE BARRIER / SHAFT	1SA
	1 HOUR FIRE BARRIER	1AA
	SOUND PARTITION	0AE
	SOUND PARTITION	0AC
	BRACED PARTITION	0BA
	FURRING PARTITION	0FA

POWER OUTLET LEGEND

SYMBOLS

	DUPLEX OUTLET		DUPLEX FLOOR OUTLET
	QUAD OUTLET		QUAD FLOOR OUTLET

DESIGNATIONS

+##" INDICATES HEIGHT IN INCHES AFF TO OUTLET CENTERLINE. DEFAULT HEIGHT = 18" AFF TO CENTERLINE UNLESS TAGGED OTHERWISE. TYPICAL FOR ALL OUTLETS

R RECESSED OUTLET (TYPE PER SYMBOL OR OTHER DESIGNATION)

D DEDICATED OUTLET

208v 208 VOLT OUTLET

GFI OUTLET W/ GROUND FAULT CIRCUIT INTERRUPT PROTECTION

EM EMERGENCY OUTLET

DATA OUTLET LEGEND

SYMBOLS

	DATA OUTLET		FLOOR DATA OUTLET
	PHONE OUTLET		FLOOR PHONE OUTLET
	DATA/PHONE OUTLET		FLOOR DATA/PHONE OUTLET

SPECIAL PURPOSE OUTLET LEGEND

SYMBOLS

	SPECIAL PURPOSE OUTLET
--	------------------------

DESIGNATIONS

TV TV OUTLET

CR CARD READER

DO DOOR OPENER BUTTON

DR DOOR RELEASE BUTTON

AI AIPHONE INTERCOM

PA PANIC ALARM

LD LOCK DOWN

SC SECURITY CAMERA

MISCELLANEOUS ELECTRICAL LEGEND

	LIGHT SWITCH		FIRE ALARM CONTROL PANEL		FIRE ALARM ANNUNCIATOR PANEL
	NURSE CALL CONTROL, MED GAS ALARM, EMERGENCY GENERATOR ALARM, MAIN ALARM PANELS				

NURSE CALL LEGEND

SYMBOLS	DOME LIGHT
DESIGNATIONS	CEILING MOUNTED, PLAN VIEW
EP EMERGENCY PULL	
CB CODE BLUE	
DS DUTY STATION	

BA

BOULDER ASSOCIATES

5646 MILTON STREET, SUITE 240
DALLAS, TEXAS 75206
214.420.5700

PROJECT 225462.00

IJRI - AMBULATORY SURGICAL CENTER

14065 BORG WARNER DRIVE
NOBLESVILLE, IN 46060

CONSTRUCTION DOCUMENTS

DATE 2023.04.28

REVISIONS

#	DESCRIPTION	DATE
2	Addendum #2	2023.06.07



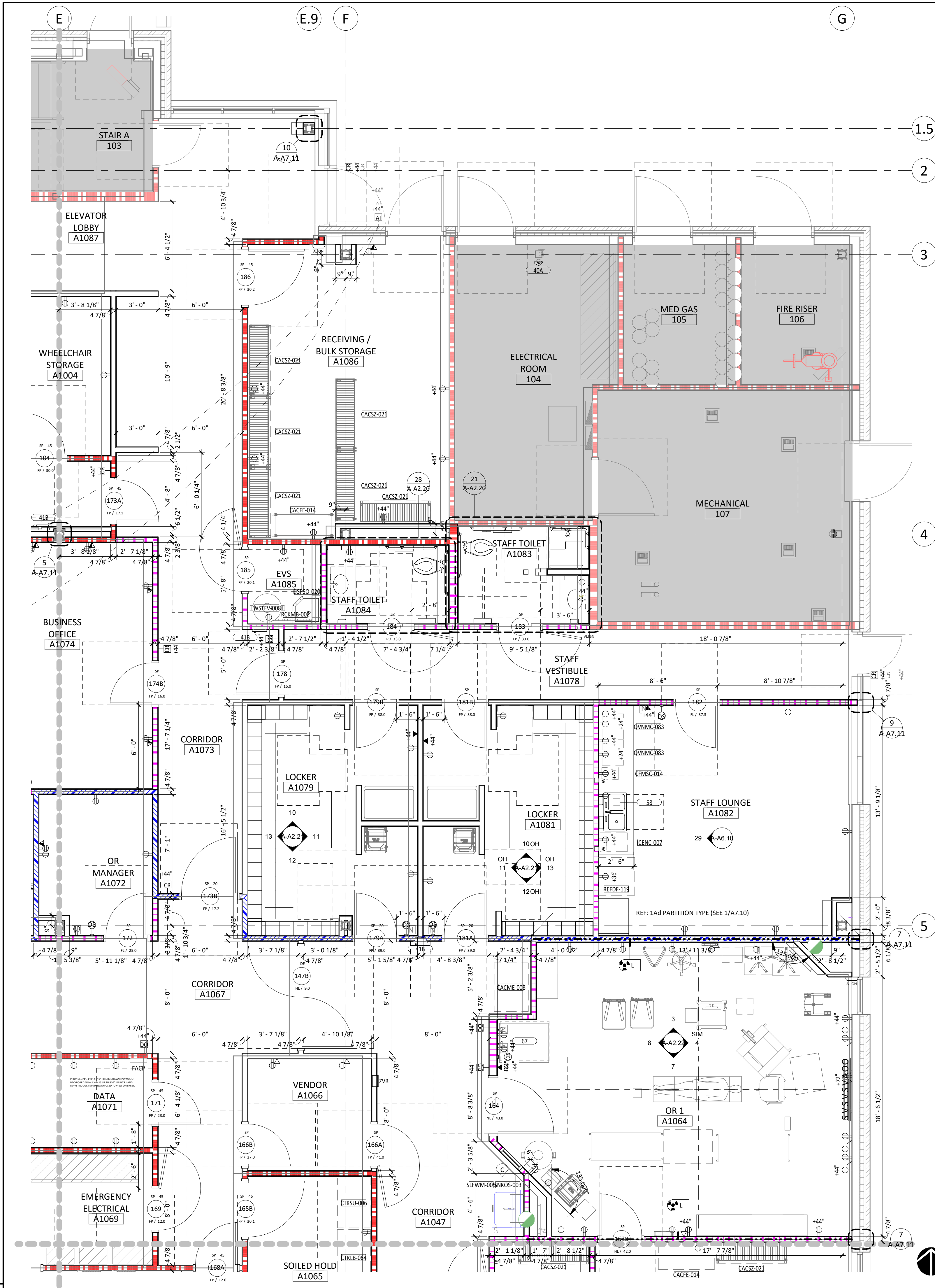
SHEET TITLE

**FLOOR PLAN - LEVEL 1
AREA C**

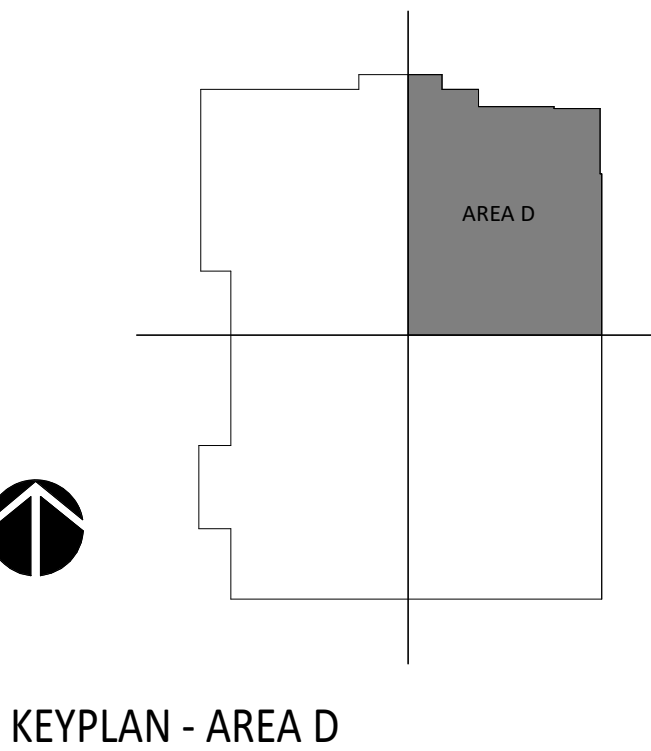
SHEET NUMBER

A-A2.10C

6/7/2023 1:31:44 PM
Autodesk Docs/725462.00 M2 Orthopedic Indiana R22/225462.00 A-A2 T1 First Floor.rvt
THIS SHEET IS AN UNCHANGED PRINTED TO SCALE



MEDICAL GAS LEGEND	
	OXYGEN
	AIR
	VACUUM
	SLIDE
	ZONE VALVE BOX
	MED GAS AREA ALARM PANEL
	MED GAS ALARM PANEL



- FLOOR PLAN GENERAL NOTES**
- DIMENSIONS ARE TO FACE OF INTERIOR GYPSUM BOARD, TILE BACKER BOARD, FACE OF EXTERIOR WALL MATERIALS, STRUCTURAL GRIDS AND CENTERLINES WHERE INDICATED.
 - ALL GYPSUM WALLBOARD TO BE 5/8" UNO TYPE "X" EXCEPT AT THE FOLLOWING LOCATIONS:
 - AT RESTROOMS WITHOUT A SHOWER (TCNA COM2 AREAS), PROVIDE 5/8" UNO MOISTURE AND MOLD RESISTANT GYPSUM BOARD COMPLYING WITH ASTM C1396 FOR WALLS AND BEHIND TILE.
 - AT WET AREAS INCLUDING BUT NOT LIMITED TO SHOWERS, STERILE PROCESSING ROOMS, JANITOR CLOSETS, SAUNAS, AND SWIMMING POOLS (TCNA COM3/4 AREAS), PROVIDE:
 - AT TILE AND WALL PROTECTION LOCATIONS: PROVIDE 5/8" UNO COATED GLASS-MAT FACED WATER-RESISTANT GYPSUM WALLBOARD COMPLYING WITH ASTM C1178 OR 5/8" UNO CEMENT BACKER BOARD COMPLYING WITH ASTM C1325
 - AT PAINTED GYPSUM BOARD LOCATIONS (INCLUDING CEILING): PROVIDE 5/8" UNO TYPE "X" MOISTURE AND MOLD RESISTANT GYPSUM BOARD COMPLYING WITH ASTM C1396
 - PROVIDE RATED ENCLOSURES OR PUTTY PACKS AROUND ALL OUTLETS, BOXES, CABINETS, PIPING, DUCTWORK, ETC., THAT ARE RECESSED IN FIRE-RATED WALLS. ENCLOSE TO PROVIDE SAME RATING AS THE WALL WHERE IT IS LOCATED. SEE SHEET DETAILS ON THE A7 SHEETS.
 - DOORS SHALL BE LOCATED 4" FROM ADJACENT PERPENDICULAR WALL TO THE INSIDE EDGE OF THE DOOR FRAME, UNO. SEE DOOR DETAILS ON THE A8 SHEETS.
 - J-BOXES SHOWN BACK-TO-BACK MAY BE ADJUSTED TO OFFSET THE BOXES WITH APPROVAL FROM THE ARCHITECT. SEE DETAILS ON THE A7 SHEETS.
 - HIGHEST PRIORITY PARTITIONS ARE LISTED FIRST IN THE PARTITION LEGENDS. SUBSEQUENT PARTITIONS DECREASE IN PRIORITY. HIGHER PRIORITY WALLS TAKES PRECEDENCE, SEE WALL PRIORITY DETAILS ON A7 SHEETS.
 - EXISTING PARTITIONS APPEAR AS "WALL-TONE" ON PLANS.
 - GC TO PROVIDE BACKING AT ALL WALL-MOUNTED ACCESSORIES AND EQUIPMENT. SEE SHEET A-A7.20. PROVIDE A BACKING PLAN FOR REVIEW.
 - GC TO COORDINATE ALL VENDOR PROVIDED DRAWINGS WITH ALL TRADES PRIOR TO INSTALLATION.
 - GC TO COORDINATE WITH VENDOR FOR EXTERIOR LOCATION OF BLOOD SAMPLE WHITE BOXES.
 - ALL WINDOW SILLS TO BE SOLID SURFACE, REF. DETAIL 11/A-A7.20

PARTITION GRAPHIC LEGEND		
GRAPHIC	DESCRIPTION	TYPE
	1 HOUR SMOKE BARRIER	1AB
	1 HOUR FIRE BARRIER / SHAFT	1SA
	1 HOUR FIRE BARRIER	1AA
	SOUND PARTITION	0Ae
	SOUND PARTITION	0Ac
	BRACED PARTITION	0Ba
	FURRING PARTITION	0Fa

POWER OUTLET LEGEND	
SYMBOLS	
	DUPLEX OUTLET
	DUPLEX FLOOR OUTLET
	QUAD OUTLET
	QUAD FLOOR OUTLET
DESIGNATIONS	
+##"	INDICATES HEIGHT IN INCHES AFF TO OUTLET CENTERLINE. DEFAULT HEIGHT = 18" AFF TO CENTERLINE UNLESS TAGGED OTHERWISE. TYPICAL FOR ALL OUTLETS
R	RECESSED OUTLET (TYPE PER SYMBOL OR OTHER DESIGNATION)
D	DEDICATED OUTLET
208v	208 VOLT OUTLET
GFI	OUTLET W/ GROUND FAULT CIRCUIT INTERRUPT PROTECTION
EM	EMERGENCY OUTLET

DATA OUTLET LEGEND	
SYMBOLS	
	DATA OUTLET
	PHONE OUTLET
	DATA/PHONE OUTLET
	FLOOR DATA OUTLET
	FLOOR PHONE OUTLET
	FLOOR DATA/PHONE OUTLET

SPECIAL PURPOSE OUTLET LEGEND	
SYMBOLS	
	SPECIAL PURPOSE OUTLET
DESIGNATIONS	
TV	TV OUTLET
CR	CARD READER
DO	DOOR OPENER BUTTON
DR	DOOR RELEASE BUTTON
AI	AIPHONE INTERCOM
PA	PANIC ALARM
LD	LOCK DOWN
SC	SECURITY CAMERA

MISCELLANEOUS ELECTRICAL LEGEND	
	LIGHT SWITCH
	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUNCIATOR PANEL
	NURSE CALL CONTROL, MED GAS ALARM, EMERGENCY GENERATOR ALARM, MAIN ALARM PANELS

NURSE CALL LEGEND	
SYMBOLS	DOME LIGHT
DESIGNATIONS	
EP	EMERGENCY PULL
CB	CODE BLUE
DS	DUTY STATION

1 FLOOR PLAN - LEVEL 1 - AREA D
A-A2.100 1/4" = 1'-0"

BOULDER ASSOCIATES

5646 MILTON STREET, SUITE 240
DALLAS, TEXAS 75206
214.420.5700

PROJECT 225462.00

IJRI - AMBULATORY SURGICAL CENTER

14065 BORG WARNER DRIVE
NOBLESVILLE, IN 46060

CONSTRUCTION DOCUMENTS

DATE 2023.04.28

REVISIONS

#	DESCRIPTION	DATE
2	Addendum #2	2023.06.07

2023.06.07

SHEET TITLE

**FLOOR PLAN - LEVEL 1
AREA D**

SHEET NUMBER

A-A2.10D

6/7/2023 1:31:46 PM
Autodesk Docs\J225462.00 M3 Orthopedic Indiana R22\225462.00 A-A2.T1 First Floor.rvt
THIS LINE IS PRO LONG WHEN PRINTED TO FULL SCALE

MATERIALS LIST							
MARK	DESCRIPTION	LOCATION	MANUFACTURER	SERIES/STYLE	COLOR/ FINISH	COMMENTS	FLAMMIBILITY
BASE							
IC6	INTEGRAL COVE BASE	SEE FINISH PLANS	TO MATCH RESILIENT SHEET FLOORING	TO MATCH RESILIENT SHEET FLOORING	TO MATCH RESILIENT SHEET FLOORING	FLASH COVE UP WALLS TO FORM SELF COVERED INTEGRAL BASE WITH ALUMINUM TOP CAP. OUTSIDE CORNER: BOOT. SEAMS TO BE HEAT WELDED WITH ROD TO MATCH FLOORING COLOR: SEE A7.30 FOR DETAILS	ASTM E CLASS 1 (> 0.45 W/CM²)
MB1	METAL BASE	SEE FINISH PLANS & INTERIOR ELEVATIONS FOR LOCATIONS	FRY REGLET	MWC875400	CLEAR ANODIZED	SEE A7.30 FOR DETAILS	
MB2	METAL BASE	SEE FINISH PLANS & INTERIOR ELEVATIONS FOR LOCATIONS	INPRO CORPORATION	DRMBFL625400	CLEAR ANODIZED	SEE A7.30 FOR DETAILS	
RB1	RESILIENT BASE	TYPICAL FRONT OF HOUSE	TARKETT	JOHNSONITE MILLWORK WALL BASE; MONUMENT MW-48-54	COLOR: 48 GREY	SEE A7.30 FOR DETAILS MITERED INSIDE AND OUTSIDE CORNERS. USE CLEAR SEALANT ON TOP OF BASE TO WALL	ASTM E 648 CLASS 1 (> 0.45 W/CM²) ASTM E 84 CLASS B < 450 SMOKE
RB2	RESILIENT BASE	TYPICAL BACK OF HOUSE	TARKETT	JOHNSONITE BASEWORKS THERMOSET RUBBER (TYPE TS); BASEWORKS 4"	COLOR: 48 GREY	SEE A7.30 FOR DETAILS COVED AND CONTINUOUS ROLLS. JOB FORMED CORNERS. DO NOT USE PRE-MOLDED OUTSIDE CORNERS. USE CLEAR SEALANT ON TOP OF BASE TO WALL	ASTM E 648 CLASS 1 (> 0.45 W/CM²) ASTM E 84 CLASS B < 450 SMOKE
RB3	RESILIENT BASE	BASE AT CARPET CONDITIONS	TARKETT	JOHNSONITE BASEWORKS THERMOSET RUBBER (TYPE TS); BASEWORKS TOELESS 4"	COLOR: 48 GREY	SEE A7.30 FOR DETAILS COVED AND CONTINUOUS ROLLS. JOB FORMED CORNERS. DO NOT USE PRE-MOLDED OUTSIDE CORNERS. USE CLEAR SEALANT ON TOP OF BASE TO WALL	ASTM E 648 CLASS 1 (> 0.45 W/CM²) ASTM E 84 CLASS B < 450 SMOKE
TRN1	DILEX COVE BASE	BASE AT PORCELAIN TILE, U.N.O	SCHLUTER SYSTEMS	DILEX-AHK	AE SATINE ANODIZED ALUMINUM	RE: A7.30	N/A
CASEWORK							
PL1	PLASTIC LAMINATE	TYPICAL VERTICAL CASEWORK FINISH TYPICAL DOOR PANEL FINISH; SEE A8.10	WILSONART	WOOD LOOK PLASTIC LAMINATE	PINNACLE WALNUT 7992-38	PROVIDE MATCHING EDGE BANDING	ASTM E 84 CLASS B
SS1	SOLID SURFACE	ALL HORIZONTAL COUNTERTOPS & WINDOW SILLS	CORIAN	SOLID SURFACE	COLOR: PEARL GRAY	EASED EDGES, TYPICAL	ASTM E 84 CLASS A
SS2	SOLID SURFACE	NURSE STATION TRANSACTION TOPS	WILSONART	SOLID SURFACE	COLOR: BEIGE TRAVERTINE	EASED EDGES, TYPICAL	ASTM E 84 CLASS A
SS3	SOLID SURFACE	INTEGRAL SINKS	WILSONART	SOLID SURFACE	COLOR: CALM WHITE	EASED EDGES, TYPICAL ; SEE PLUMBING DRAWINGS FOR SINK TYPES AND LOCATIONS	ASTM E 84 CLASS A
QS1	QUARTZ SURFACE	FIREPLACE HEARTH & COFFEE BAR COUNTERTOP	CAMBRIA	QUARTZ SURFACE	COLOR: WHITEHALL	EASED EDGES, TYPICAL	
DOOR							
WF1	WINDOW FILM	SEE A8.10 DOOR SCHEDULE FOR LOCATIONS	DECORATIVE FILMS	SOLYX	COLOR: SKWV-0200 CLEAR LUSTER - 60" WIDE		
INTEGRAL BLIND	INTEGRAL BLIND	SEE DOOR SCHEDULE FOR LOCATION	UNICEL	BASIS OF DESIGN: ARCHITECTURAL VISION CONTROL INTEGRAL BLIND SYSTEM	1/4" BLINDS WITH STANDARD TILT CONTROL ON BOTH SIDES		
FLOORING							
CPT1	CARPET TILE	WAITING AREA INSERTS	MOHAWK	COLLECTION: NUTOPIA 2 COLLECTION, STYLE: URBAN PASSAGE 2, STYLE #: GT444	COLOR: 861 BRIDGE, SIZE: 12" X 36", THICKNESS: .100" (2.54 MM)	INSTALLATION METHOD: MONOLITHIC, SEE FINISH PLAN ON SHEET A-A2.30 FOR DESIGN INTENT INSTALLATION PATTERN: REFER TO SPECIFICATION APPENDIX F FOR VISUALIZATION DOCUMENT	ASTM E 648 CLASS 1 (GLUE DOWN) ; ASTM E 662 LESS THAN 450
CPT2	CARPET TILE	WAITING AREA INSERTS	MOHAWK	COLLECTION: NUTOPIA 2 COLLECTION, STYLE: URBAN FIELD, STYLE # GT446	COLOR: 889 MUSEUM, SIZE 12" X 36", THICKNESS: .100" (2.54MM)	INSTALLATION METHOD: MONOLITHIC, SEE FINISH PLAN ON SHEET A-A2.30 FOR DESIGN INTENT INSTALLATION PATTERN: REFER TO SPECIFICATION APPENDIX F FOR VISUALIZATION DOCUMENT	ASTM E 648 CLASS 1 (GLUE DOWN); ASTM E 662 LESS THAN 450
CPT3	CARPET TILE	OFFICES	MANNINGTON	COLLECTION: DESIGN LOCAL COLLECTION, STYLE: NASHVILLE	COLOR: 14325 QUEEN VILLAGE, SIZE: 18" X 36"	INSTALLATION METHOD: HORIZONTAL BRICK ASHLAR	ASTM E648 CLASS 1, ASTM E662 (<450)
LVT1	LUXURY VINYL TILE	TYPICAL FLOORING	MOHAWK	COLLECTION: HOT AND HEAVY, STYLE: SECOYA, STYLE #: C0009	COLOR: 148 ATWELL MILL, SIZE: 9" X 59", THICKNESS: 5MM	INSTALLATION METHOD: BRICK ASHLAR, MAX 1/3 OVERLAP.	ASTM E648 - PASSES -> >.45 WATTS/CM², CLASS 1, ASTM E662 - PART A - LESS THAN 450
RS1	RESILIENT SHEET FLOORING	PRE-OP/PACU FIELD	MOHAWK	COLLECTION: HEALTHY ENVIORNMENTS RESILIENT, STYLE: EPHEMERAL II, STYLE #: C2056	COLOR: 878 MOOD, SIZE: 6'6" ROLL, THICKNESS: 2MM	PROVIDE MANUFACTURER'S RECOMMENDED ADHESIVE FOR HEAVY ROLLING LOADS. HEAT WELD ALL SEAMS. WELD COLOR: ARCHITECT TO SELECT FROM MANUFACTURER'S FULL RANGE	ASTM E648 - MEETS, CLASS 1; ASTM E662 - MEETS, 450 OR LESS
RS2	RESILIENT SHEET FLOORING	PRE-OP/PACU ACCENT	MOHAWK	COLLECTION: HEALTHY ENVIORNMENTS RESILIENT, STYLE: SISALANA 2, STYLE #: C2055	COLOR: 878 HEMP, SIZE: 6'6" ROLL, THICKNESS: 2MM	PROVIDE MANUFACTURER'S RECOMMENDED ADHESIVE FOR HEAVY ROLLING LOADS. HEAT WELD ALL SEAMS. WELD COLOR: ARCHITECT TO SELECT FROM MANUFACTURER'S FULL RANGE	ASTME E648 - MEETS, CLASS 1, ASTM E662 - MEETS, 450 OR LESS
RS3	RESILIENT SHEET FLOORING	BACK OF HOUSE	MANNINGTON	COLLECTION: BIOSPEC CHIOCES COLLECTION, STYLE: BIOSPEC MD	COLOR: 15364 NEW GLACIER, SIZE: 6'6" ROLL, THICKNESS: 2.03MM	INSTALLATION METHOD: RANDOM REPEAT, REVERSE SHEET FOR SEAMING. SEAMS TO BE HEAT WELDED WITH WELD ROD COLOR 842361 CREAM	ASTME E648 - MEETS, CLASS 1, ASTM E662 - MEETS, 450 OR LESS
RS4	RESILIENT SHEET FLOORING	OR FIELD FLOORING	NORA	COLLECTION: NORAPLAN ENVIRONCARE, 3MM, ARTICLE 1463	COLOR: 7052 SLEDDING, SIZE: 39" X 48", THICKNESS: 3MM	PROVIDE MANUFACTURER'S RECOMMENDED ADHESIVE FOR HEAVY ROLLING LOADS. HEAT WELD ALL SEAMS. WELD COLOR: ARCHITECT TO SELECT FROM MANUFACTURERS FULL RANGE	ASTM E648/ NFPA 253; NBSIR 75 950, 1.03 / ASTM E662/NFPA 258: NBS, 376 (FLAMING) AND 256 (NON FLAMING)
R55	RESILIENT SHEET FLOORING	OR ACCENT FLOORING	NORA	COLLECTION: NORAPLAN ENVIRONCARE, 3MM, ARTICLE 1463	COLOR: 7077 GRADUATION, SIZE: 39" X 48", THICKNESS: 3MM	PROVIDE MANUFACTURER'S RECOMMENDED ADHESIVE FOR HEAVY ROLLING LOADS. HEAT WELD ALL SEAMS. WELD COLOR: ARCHITECT TO SELECT FROM MANUFACTURERS FULL RANGE	ASTM E648/ NFPA 253; NBSIR 75 950, 1.03 / ASTM E662/NFPA 258: NBS, 376 (FLAMING) AND 256 (NON FLAMING)
RS6	RESILIENT SHEET FLOORING	STERILE AREA RED LINE	NORA	COLLECTION: NORAPLAN ENVIRONCARE, 3MM, ARTICLE 1463	COLOR: 7073 APPLE PICKING, SIZE: 39" X 48" , THICKNESS: 3MM	PROVIDE MANUFACTURER'S RECOMMENDED ADHESIVE FOR HEAVY ROLLING LOADS. SURGERY RED LINE / SEAMS TO BE HEAT WELDED WITH WELD ROD SEE FINISH PLAN FOR LOCATIONS. WIDTH OF LINE TO ALIGN WITH WIDTH OF DOOR JAMB.	ASTM E648/ NFPA 253; NBSIR 75 950, 1.03 / ASTM E662/NFPA 258: NBS, 376 (FLAMING) AND 256 (NON FLAMING)
RS7	RESILIENT SHEET FLOORING	PRE-OP/PACU TOILET FLOORS	MANNINGTON	COLLECTION: BIOSPEC CHIOCES COLLECTION, STYLE: BIOSPEC SR	COLOR: 67369 BEDROCK, SIZE: 6'6" ROLL, THICKNESS: 2.03MM	INSTALLATION METHOD: RANDOM REPEAT, REVERSE SHEET FOR SEAMING. SEAMS TO BE HEAT WELDED WITH WELD ROD COLOR 842407 BEDROCK	ASTM E648- MEETS, CLASS 1 ; ASTM E662 - MEETS, 450 OR LESS
SCONC	SEALED CONCRETE					SEE PAINT SPECIFICATIONS FOR PRODUCT INFORMATION	
SDT1	STATIC DISSAPATIVE TILE	I.T	TARKETT	COLLECTION: PRIMO SD 21016562	COLOR: 0562 MEDIUM DARK PURE GREY, SIZE: 24"x24", THICKNESS: 2MM	INSTALLATION METHOD: QUARTER-TURN	EN 13501-1 Class Bfl s1 EN ISO 9239-1 ≥ 8 kW/m² EN ISO 11925-2 Pass
WM1	WALK OFF MAT	VESTIBULES	MOHAWK	COLLECTION: TUFF STUFF II, STYLE: FIRST STEP II, STYLE #: GT315	COLOR: 983 IRON ORE, SIZE: 24"X 24"	INSTALLATION METHOD: QUARTER-TURN	ASTM E 648 - CLASS 1 (GLUE DOWN) ASTM E 662 - LESS THAN 450
OTHER							
SH1	VINYL SHOWER CURTAIN	STAFF TOILET SHOWER	C/S ACROVYN	COLLECTION: C/S SURE CHEK VINYL	COLOR: GULL GRAY	CURTAIN MATERIAL TO BE OPAQUE WATERPROOF VINYL SHOWER CURTAIN. SINGLE DRAPERY SHOWER CURTAIN. PROVIDE OVERALL LENGTH 1/2" A.F.F. SEE A7.30/A7.31 FOR DETAILS	NFPA 701 -PASS
CC1	CUBICLE CURTAIN	PRE-OP/PACU BAYS	MAHARAM	COLLECTION: 511505 IMMERSE	COLOR: 007 FADER, CONTENT: 100% FR POLYESTER, WIDTH: 72", RAILOADED REPEAT; 18.25" H X 53.5" V	FABRICATE WITH 22" MESH AND CURTAIN TO TERMINATE 12" A.F.F. MOUNT FROM CEILING AS INDICATED IN DRAWINGS SEE A7.30/A7.31 FOR DETAILS	NFPA 701 -PASS
MT1	METAL PANEL	FINISH ON COLUMNS	PAC-CLAD	STANDARD COLORS	COLOR:CHARCOAL	SEE A7.11 FOR DETAIL	N/A
TB1	TACKBOARD	SEE ELEVATIONS	MAHARAM	511524 MIST	COLOR: 004 SOAR, WIDTH: 72"	HOMASOTE WRAPPED PANEL WITH SQUARE EDGE AND BUTT SEAMS	ASTM E84 UNADHERED, CAN ULC \$109, GB/T 17591, NFPA 701
TRN3	TRANSITION	ALL OUTSIDE CORNERS OF TILE, U.N.O	SCHLUTER SYSTEMS	QUADEC	AE SATINE ANODIZED ALUMINUM	SEE A7.30 FOR DETAILS	N/A
TRN4	TRANSITION	WALLCOVERING OUTSIDE CORNER, U.N.O	FRY REGLET	WCTOSC	CLEAR ANODIZED	SEE A7.30 FOR DETAILS	N/A
TRN5	TRANSITION	ALL OUTSIDE CORNERS OF PLASTIC LAMINATE, U.N.O	FRY REGLET	MILLWORK CORNER KEY	CLEAR ANODIZED	SEE A7.30 FOR DETAILS	N/A
TRN6	TRANSITION	SEE ELEVATIONS	FRY REGLET	MILLWORK POST; MWPT2575	CLEAR ANODIZED	SEE A7.30 FOR DETAILS	N/A
TRN7	TRANSITION	SEE ELEVATIONS	FRY REGLET	MILLWORK POST TERMINATION; MWPT2575	CLEAR ANODIZED	SEE A7.30 FOR DETAILS	N/A
UP1	UPHOLSTERY	SEE ELEVATIONS	MAHARAM	LARIAT	COLOR: TBD		N/A
WF2	WINDOW FILM	RECEPTION DIVIDER	DECORATIVE FILMS	COLLECTION: SOLYX	SX - C387 LINEN 60" W	SEE A8.10 FOR WINDOW DETAILS	N/A
WF3	WINDOW FILM	EXTERIOR WINDOW FILM	DECORATIVE FILMS	COLLECTION: SOLYX	SX-3140 DUSTED CRYSTAL	SEE WINDOW TREATMENT TAG ON RCP FOR LOCATIONS	N/A
TILE							
PT1	PORCELAIN TILE	TOILETS - WALLS	CONCEPT SURFACES	COLLECTION: STITCH	COLOR: YARN, FINISH: MATTE, SIZE: 12"x24", THICKNESS: 3/8" , RECTIFIED EDGE	STACKED/MONOLITIC INSTALLATION. REFERENCE FINISH PLANS FOR DIRECTIONS. GROUT TYPE: FUSION PRO. GROUT COLOR: TO BE SELECTED FROM MANUFACTURERS FULL RANGE . JOINT WIDTH:...	N/A
PT2	PORCELAIN TILE	TOILETS - FLOORS	CONCEPT SURFACES	COLLECTION: OZ	COLOR: INFUSED, FINISH:MATTE, SIZE: 12"x 24", THICKNESS: 3/8" , RECTIFIED EDGE	STACKED/MONOLITIC INSTALLATION. REFERENCE FINISH PLANS FOR DIRECTIONS. GROUT TYPE: FUSION PRO. GROUT COLOR: TO BE SELECTED FROM MANUFACTURERS FULL RANGE . JOINT WIDTH:...	N/A
PT3	PORCELAIN TILE	TOILETS - SHOWER FLOORS	CONCEPT SURFACES	COLLECTION: OZ	COLOR: INFUSED, FINISH: MATTE, SIZE: 3'X 3", THICKNESS: 3/8", RECTIFIED EDGE	STACKED/MONOLITIC INSTALLATION. REFERENCE FINISH PLANS FOR DIRECTIONS. GROUT TYPE: FUSION PRO. GROUT COLOR: TO BE SELECTED FROM MANUFACTURERS FULL RANGE . JOINT WIDTH: 1/8".	N/A
PT4	PORCELAIN TILE	FIREPLACE	CROSSVILLE	COLLECTION: NOTORIOUS	COLOR: FEMME FATALE, NTR01 UNPOLISHED: SIZE: 24"x36", THICKNESS: 3/8", RECTIFIED EDGE	STACKED/MONOLITIC INSTALLATION. REFERENCE FINISH PLANS FOR DIRECTIONS. GROUT TYPE: FUSION PRO. GROUT COLOR: TO BE SELECTED FROM MANUFACTURERS FULL RANGE . JOINT WIDTH:...	N/A
PT5	PORCELAIN TILE	FIREPLACE- ACCENT	DALTILE	COLLECTION: PANORAMIC PORCELAIN SURFACES	COLOR: CHARRED NICKEL, STYLE#: CM16; FINISH: MATTE SIZE: 63" X 126", THICKNESS: 6MM	STACKED/MONOLITIC INSTALLATION. REFERENCE FINISH PLANS FOR DIRECTIONS. GROUT TYPE: FUSION PRO. GROUT COLOR: TO BE SELECTED FROM MANUFACTURERS FULL RANGE . JOINT WIDTH:...	N/A
PT6	PORCELAIN TILE	COFFEE BAR ACCENT TILE	TILEBAR	COLLECTION: ECHOES	COLOR: BLANCO, SIZE: 12"x36", FINISH: DECORATIVE MATTE & SATIN, THICKNESS:11MM	STACKED/MONOLITIC INSTALLATION. REFERENCE FINISH PLANS FOR DIRECTIONS. GROUT TYPE: FUSION PRO. GROUT COLOR: TO BE SELECTED FROM MANUFACTURERS FULL RANGE . JOINT WIDTH: 1/8".	N/A
PT7	PORCELAIN TILE	ELEVATOR WALL TILE	CROSSVILLE	COLLECTION: FEMME FATALE SLAB	COLOR: FEMME FATALE, FINISH: UNPOLISHED, SIZE: 1620 MM X 3240 MM (63.8" X 127.6")	STACKED/MONOLITIC INSTALLATION. REFERENCE FINISH PLANS FOR DIRECTIONS. GROUT TYPE: FUSION PRO. GROUT COLOR: TO BE SELECTED FROM MANUFACTURERS FULL RANGE . JOINT WIDTH: SEE SPECIFICATION	N/A
WALL							
P1	PAINT	GENERAL PAINT	SHERWIN WILLIAMS	PRO MAR ZERO VOC LATEX, EGGSHELL FINISH	SW7001 MARSHMALLOW	IF USED ON CEILING USE FLAT FINISH	
P1A	PAINT	GENERAL PAINT - WET LOCATIONS	SHERWIN WILLIAMS	PRE-CATALYZED EPOXY, SEMI-GLOSS FINISH	SW7001 MARSHMALLOW		
P2	PAINT	DOOR FRAME	SHERWIN WILLIAMS	PRO INDUSTRIAL ACRYLIC, SEMI-GLOSS FINISH	SW7001 MARSHMALLOW		
P3	PAINT	CEILINGS	SHERWIN WILLIAMS	PRO MAR ZERO VOC LATEX, FLAT FINISH	SW7005 PURE WHITE		
P3A	PAINT	CEILINGS - WET LOCATIONS	SHERWIN WILLIAMS	PRE-CATALYZED EPOXY, SEMI-GLOSS FINISH	SW7005 PURE WHITE		
P4	PAINT	ACCENT	SHERWIN WILLIAMS	PRO MAR ZERO VOC LATEX, EGGSHELL FINISH	SW9547 VESSEL		
P5	PAINT	ACCENT	SHERWIN WILLIAMS	PRO MAR ZERO VOC LATEX, EGGSHELL FINISH	SW6241 AEUTIAN	IF USED ON CEILING USE FLAT FINISH	
P6	PAINT	ACCENT	SHERWIN WILLIAMS	PRO MAR ZERO VOC LATEX, EGGSHELL FINISH	SW9684 AZURETIDE	IF USED ON CEILING USE FLAT FINISH	
WC1	VINYL WALLCOVERING	VESTIBULE ACCENT	DESIGNTEX	PRO MAR ZERO VOC LATEX, EGGSHELL FINISH	DEEP SEA 6724-402	REQUIRES LEVEL 5 FINISH ON WALLS; HANGING METHOD: STRAIGHT HANG, RANDOM MATCH	CLASS A, AS PER ASTM E84 (ADHERED), NFPA 286- MEETS 2006 IBC SECTION 803.2.1 FLAME SPREAD: 20/ SMOKE DEVELOPED: 45
WC2	VINYL WALLCOVERING	RECEPTION DESK ACCENT	WOLF GORDON	INK SPOT LINEN	CLOUD AZ536751L	REQUIRES LEVEL 5 FINISH ON ALL WALLS; HANGING METHOD REVERSE HANG, RANDOM MATCH	CLASS A, AS PER ASTM E84 (ADHERED), NFPA 286- MEETS 2006 IBC SECTION 803.2.1 FLAME SPREAD: 20/ SMOKE DEVELOPED: 45
WC3	VINYL WALLCOVERING	CORRIDOR ACCENT	KOROSEAL	DIGITAL DESIGNS- CLIENT PROVIDED ARTWORK PRINTED ON VINYL WALLCOVERING SUBSTRATE/ ASSUME \$60/SY	CUSTOM IMAGE TO BE PROVIDED BY BOULDER ASSOCIATES. GRAPHIC WILL BE DESIGNED WITH OWNER IN ART MEETINGS	REQUIRES LEVEL 5 FINISH ON WALLS ; HANGING METHOD: TBD	CLASS A



BOULDER ASSOCIATES

5646 MILTON STREET, SUITE 240
DALLAS, TEXAS 75206
214.420.5700

PROJECT 225462.00

IJRI - AMBULATORY SURGICAL CENTER

14065 BORG WARNER DRIVE
NOBLESVILLE, IN 46060

CONSTRUCTION DOCUMENTS

DATE 2023.04.28

REVISIONS		
#	DESCRIPTION	DATE
2	Addendum #2	2023.06.07



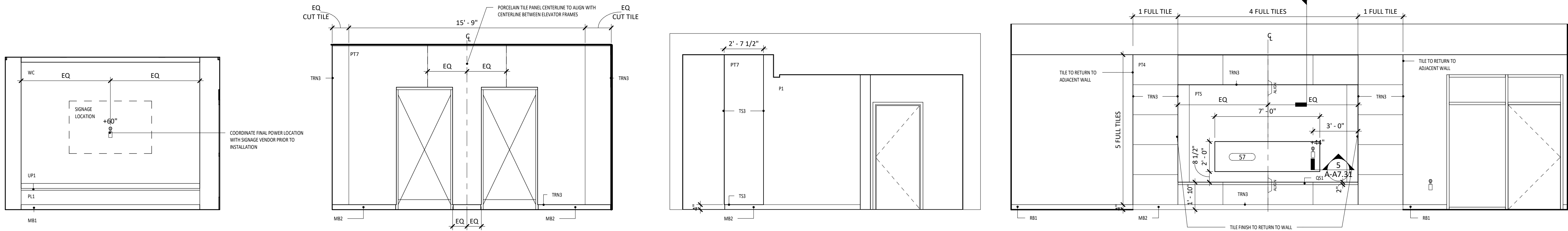
2023.06.07

SHEET TITLE

INTERIOR MATERIAL LIST

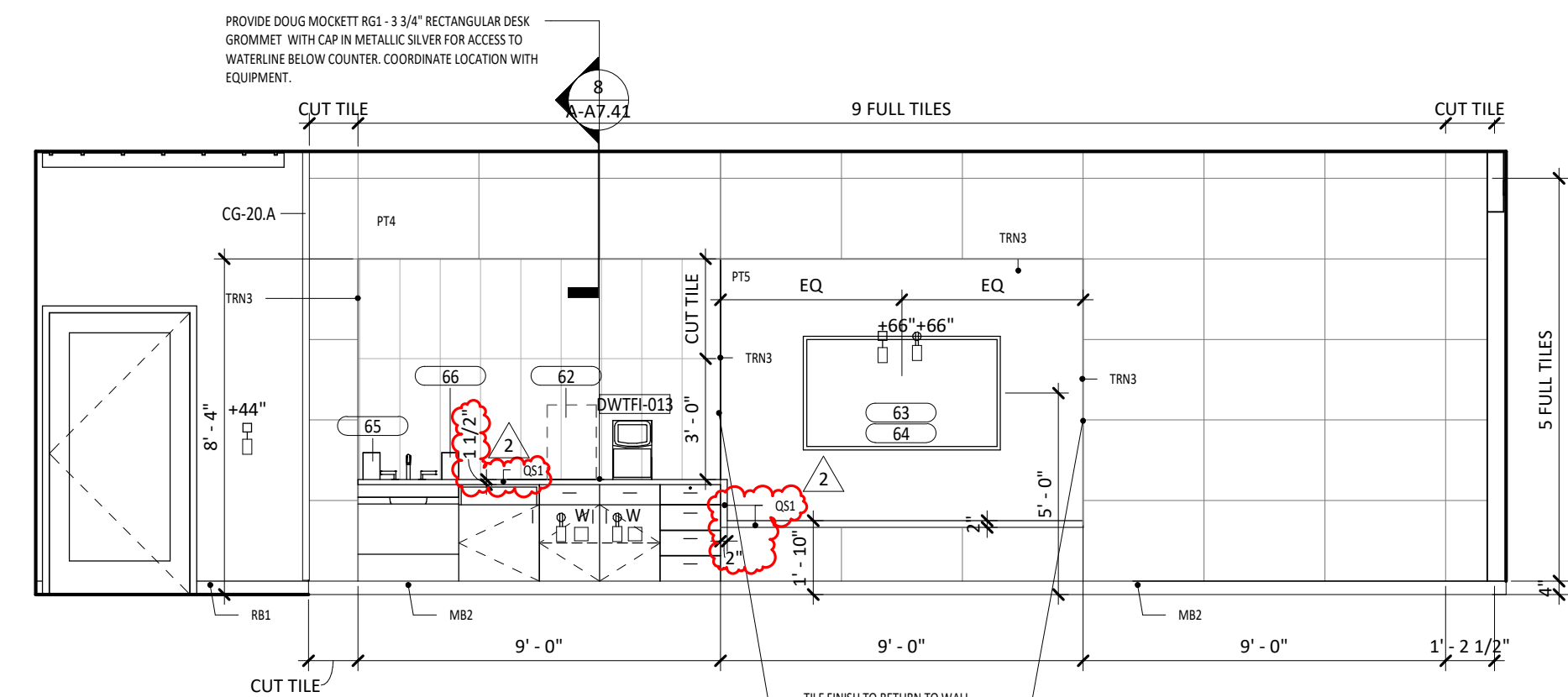
SHEET NUMBER

A-A2.51



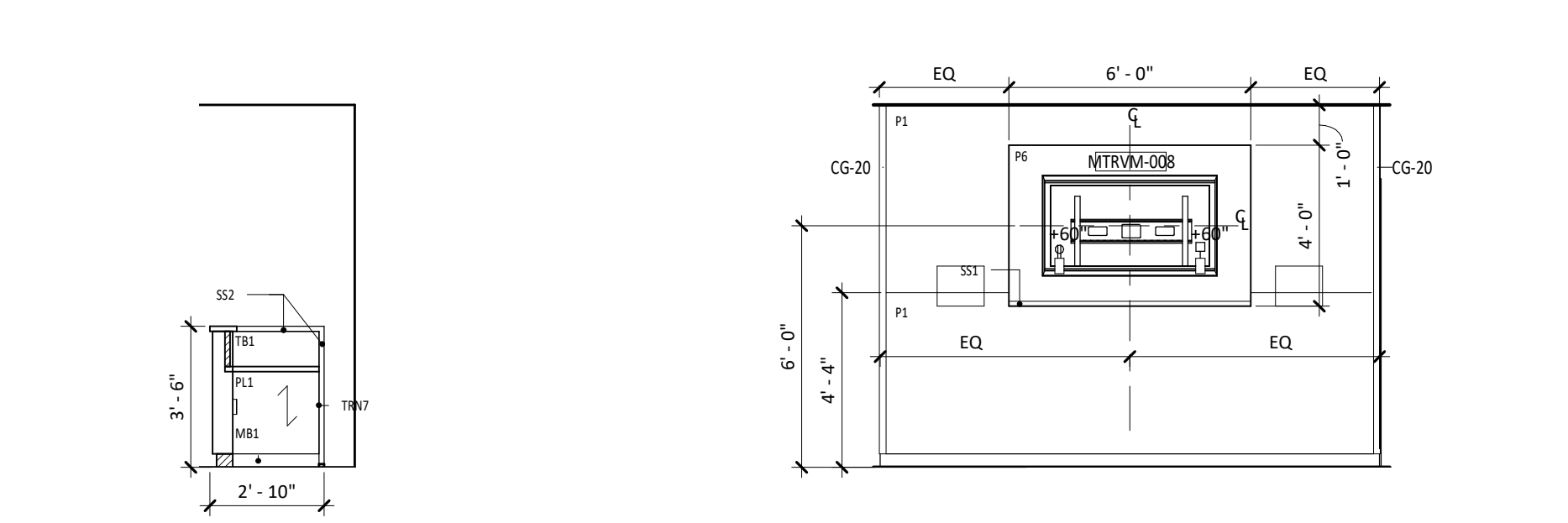
1 VESTIBULE - NORTH

A-A2.10A | A-A6.10 1/4" = 1'-0"



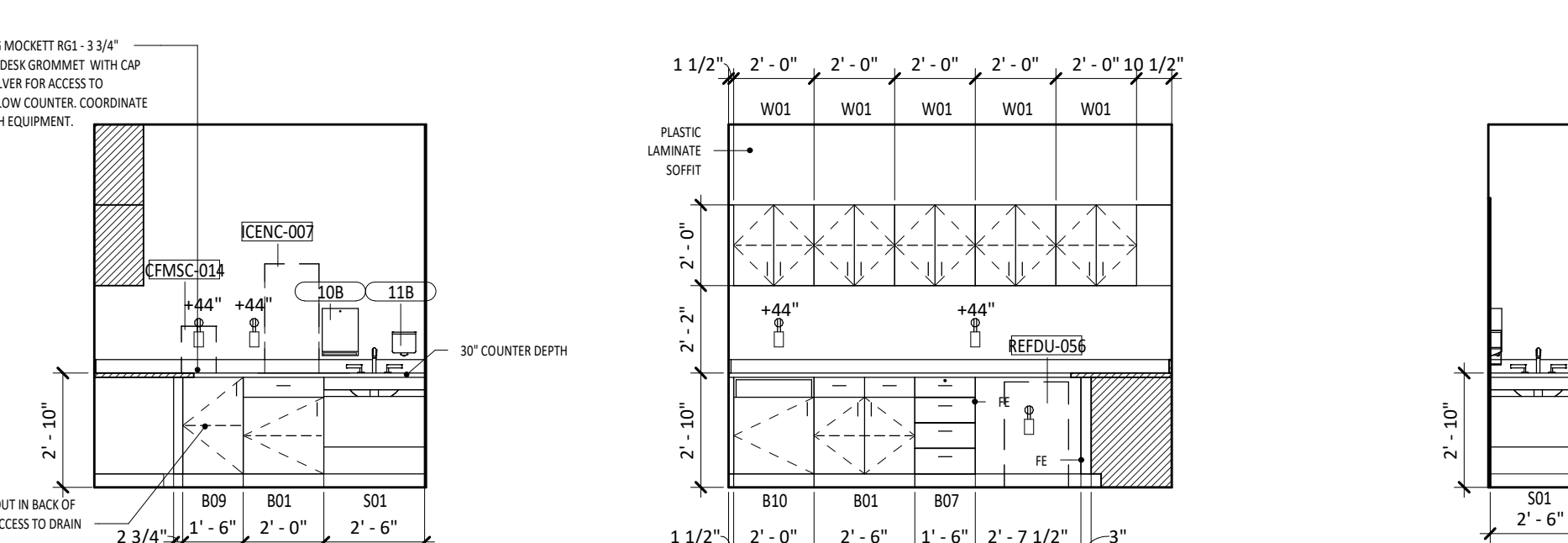
5 1005 COFFEE BAR (S)

A-A2.10A | A-A6.10 1/4" = 1'-0"



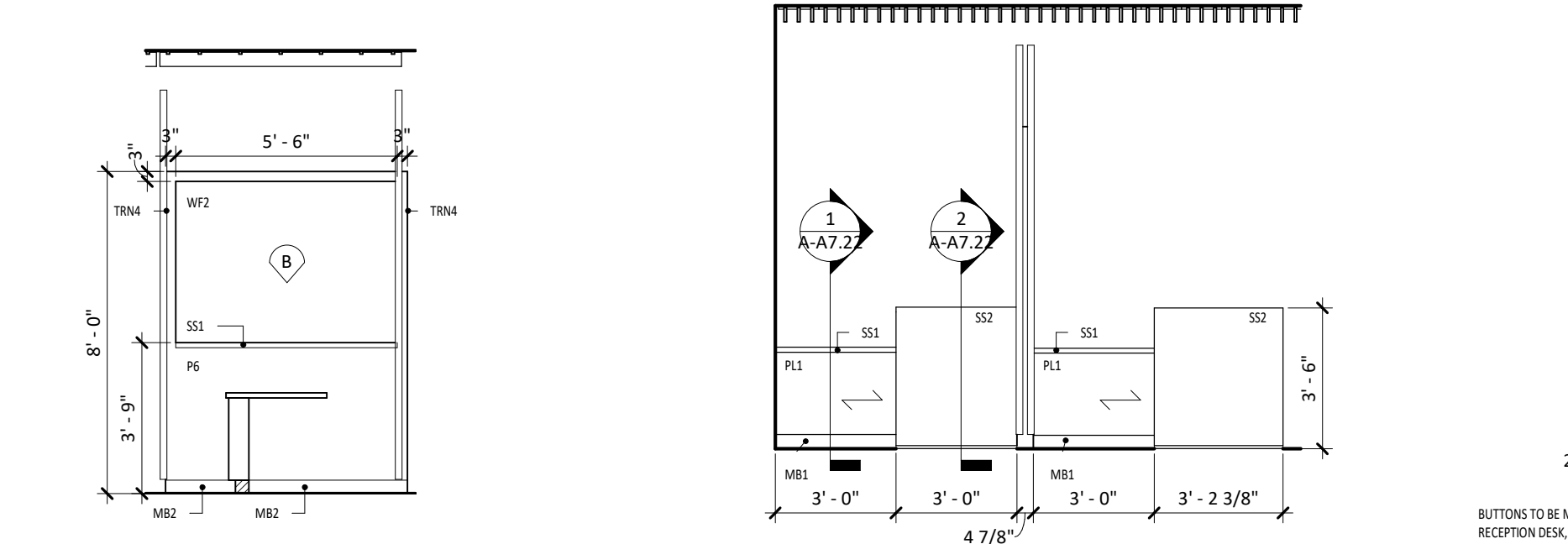
10 1025 NURSE STATION SIDE B

A-A2.10B | A-A6.10 1/4" = 1'-0"



17 1045 NOURISH (N)

A-A2.10B | A-A6.10 1/4" = 1'-0"

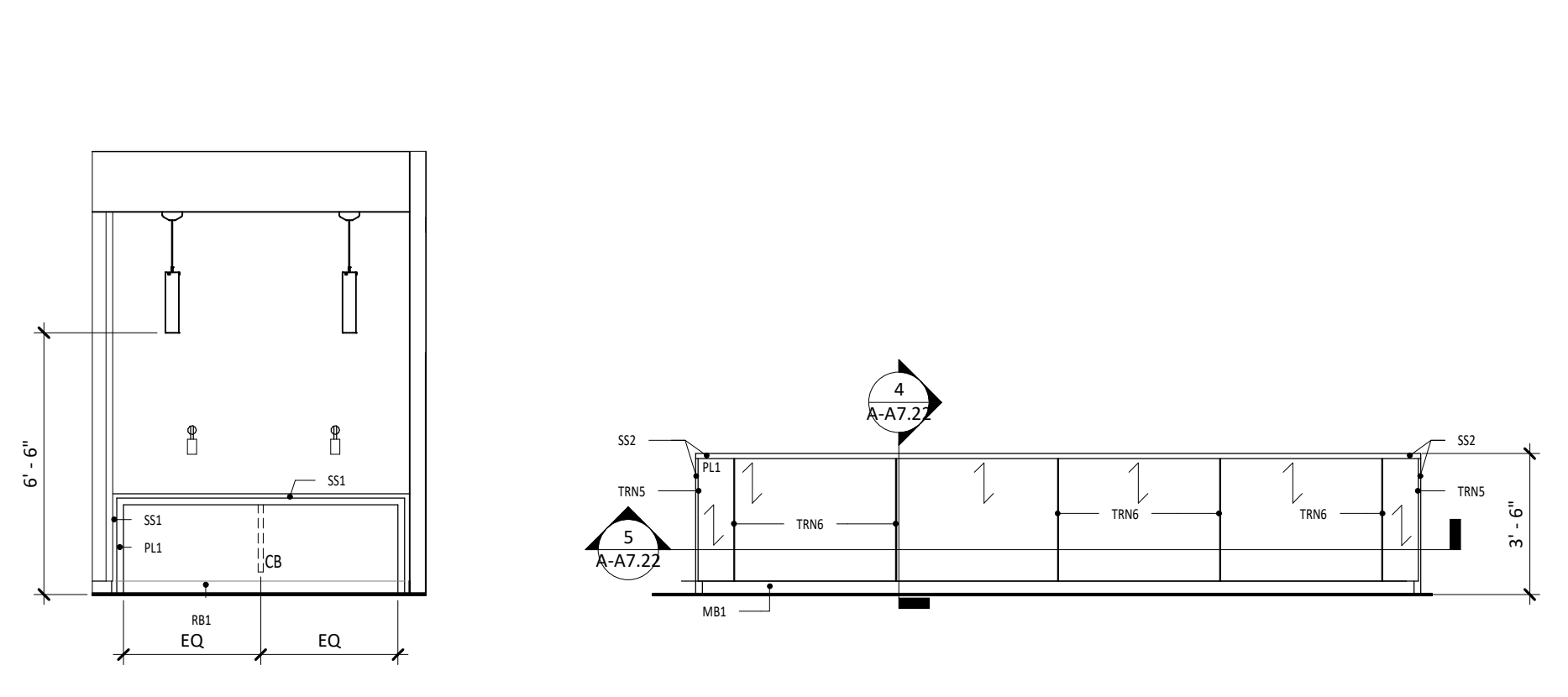


24 1076 RECEPTION PARTITION (N)

A-A2.10A | A-A6.10 1/4" = 1'-0"

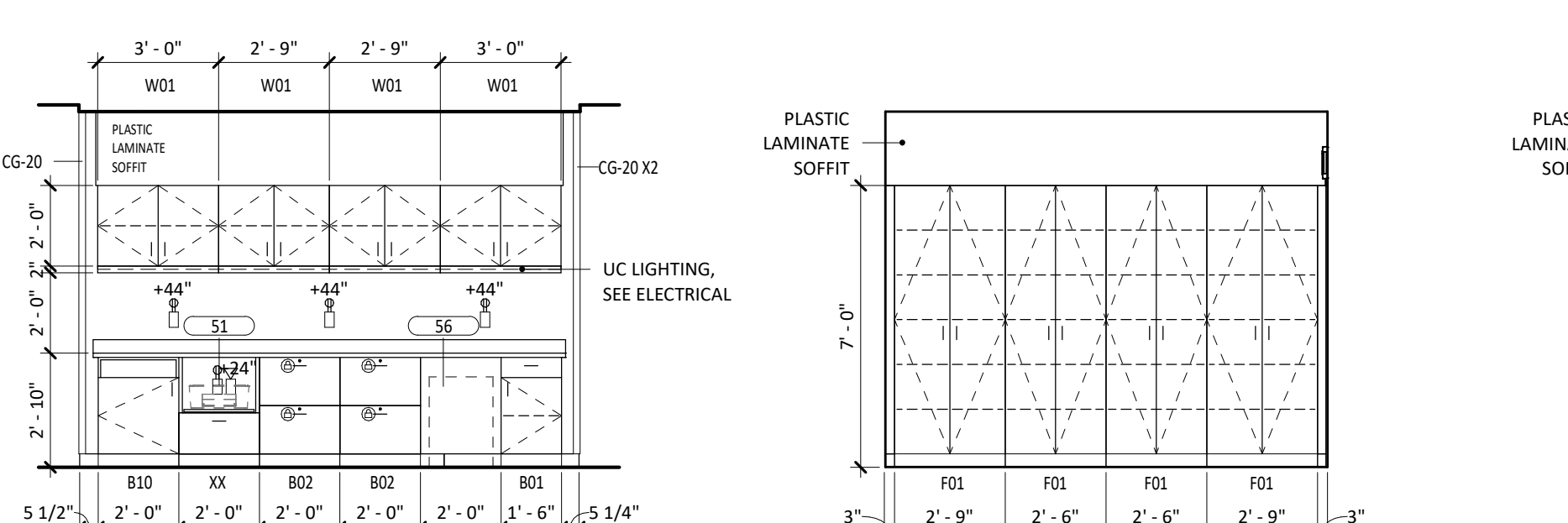
3 1001 LOBBY ELEVATOR 2

A-A2.10A | A-A6.10 1/4" = 1'-0"



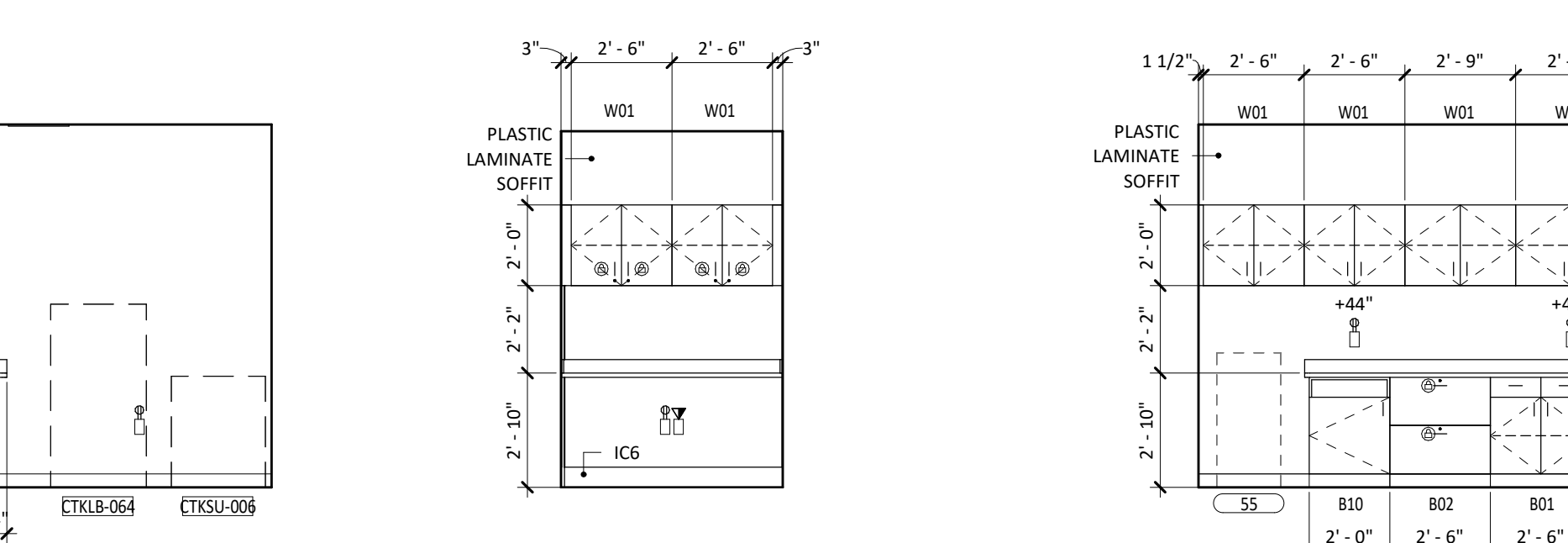
6 1005 WAITING (W)

A-A2.10A | A-A6.10 1/4" = 1'-0"



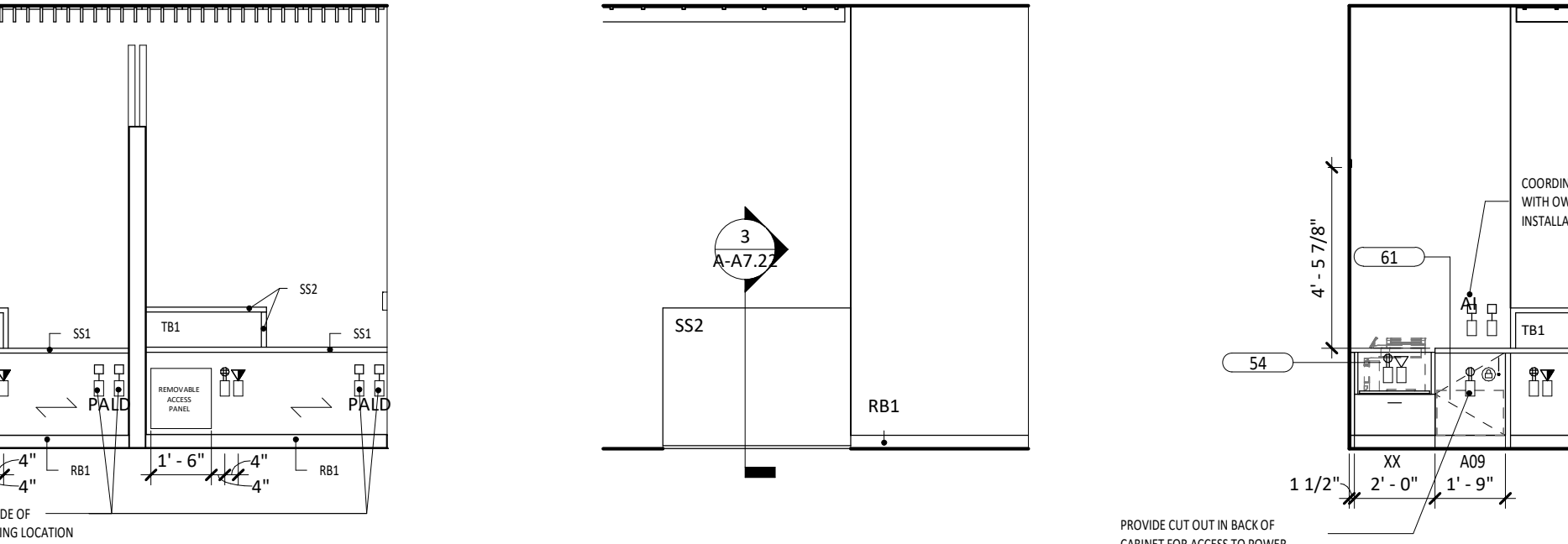
12 1026 NURSE STATION (S)

A-A2.10B | A-A6.10 1/4" = 1'-0"



19 1046 SOILED LINEN (S)

A-A2.10A | A-A6.10 1/4" = 1'-0"

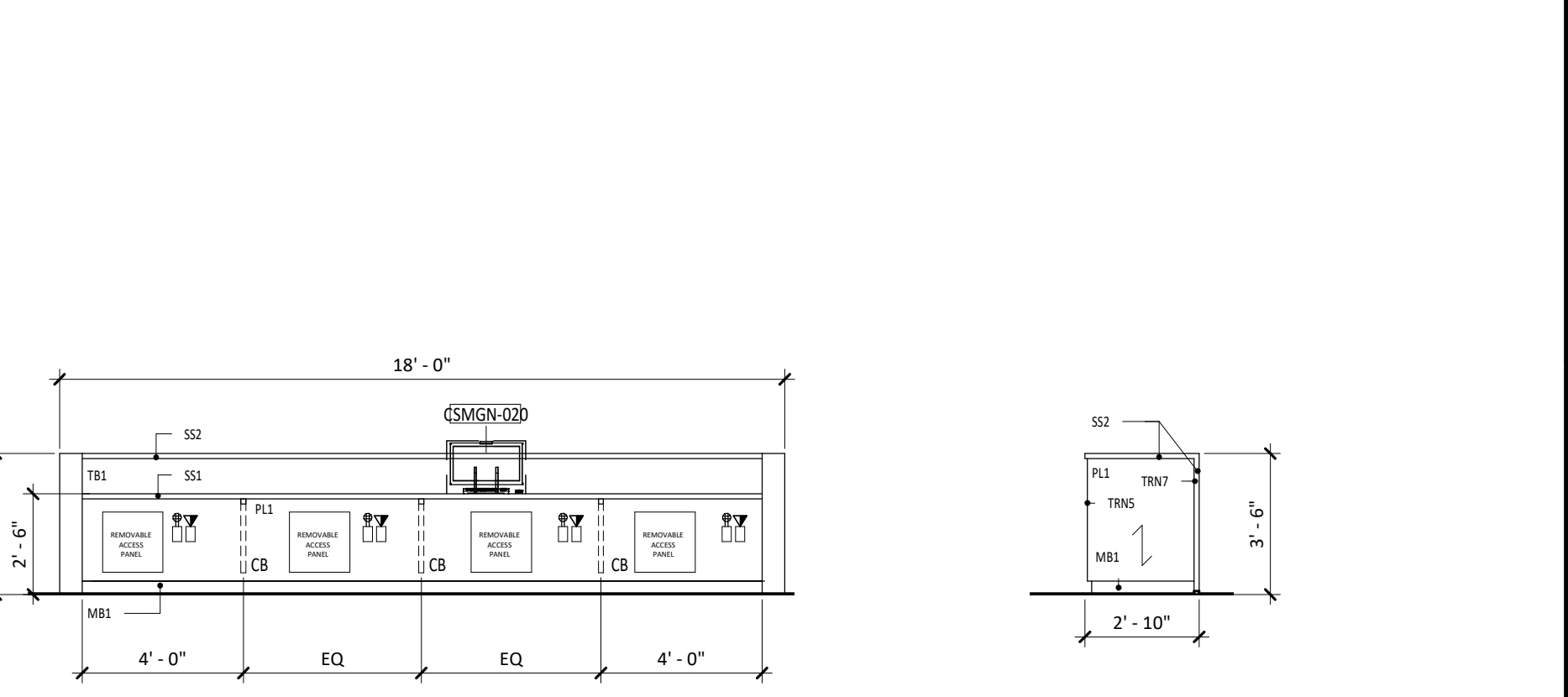


26 1076 RECEPTION (W)

A-A2.10A | A-A6.10 1/4" = 1'-0"

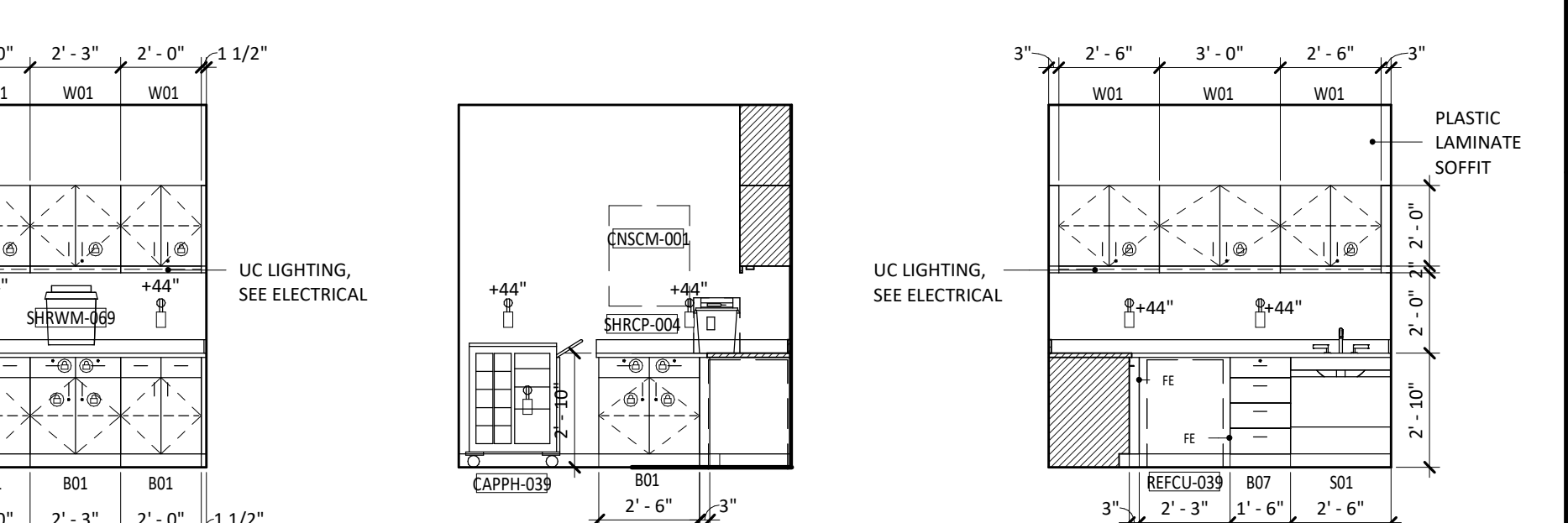
4 1001 LOBBY (S)

A-A2.10A | A-A6.10 1/4" = 1'-0"



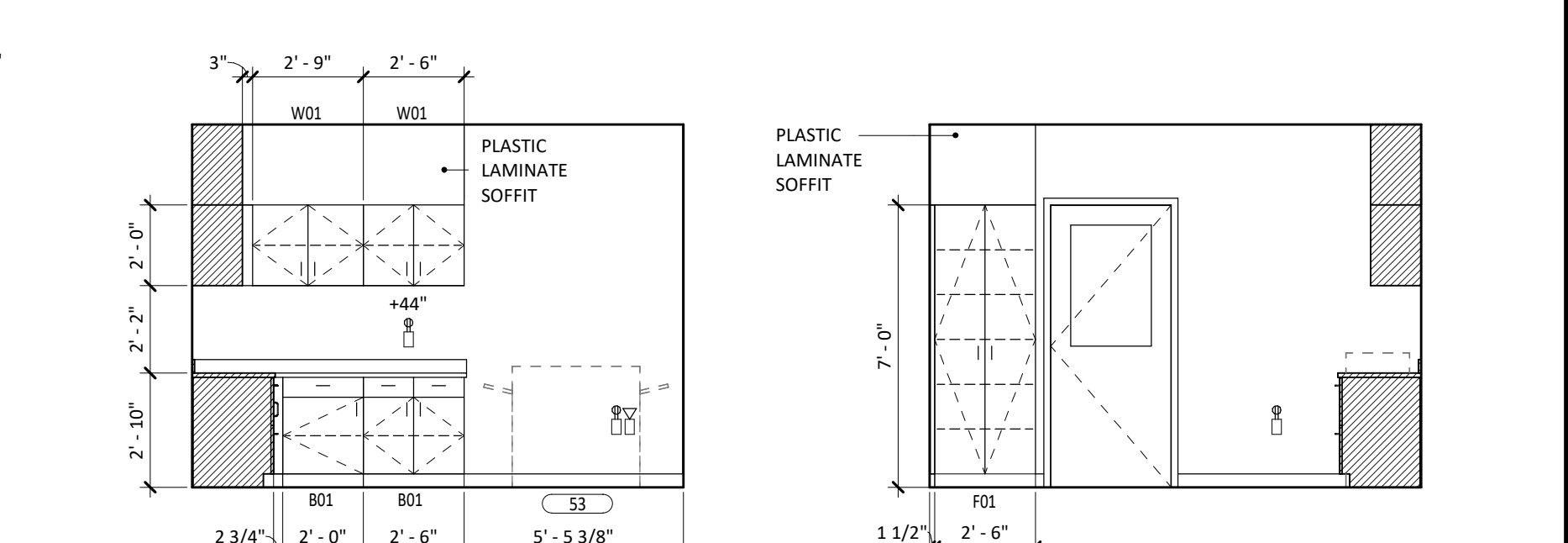
8 NURSE STATION BACK

A-A2.10B | A-A6.10 1/4" = 1'-0"



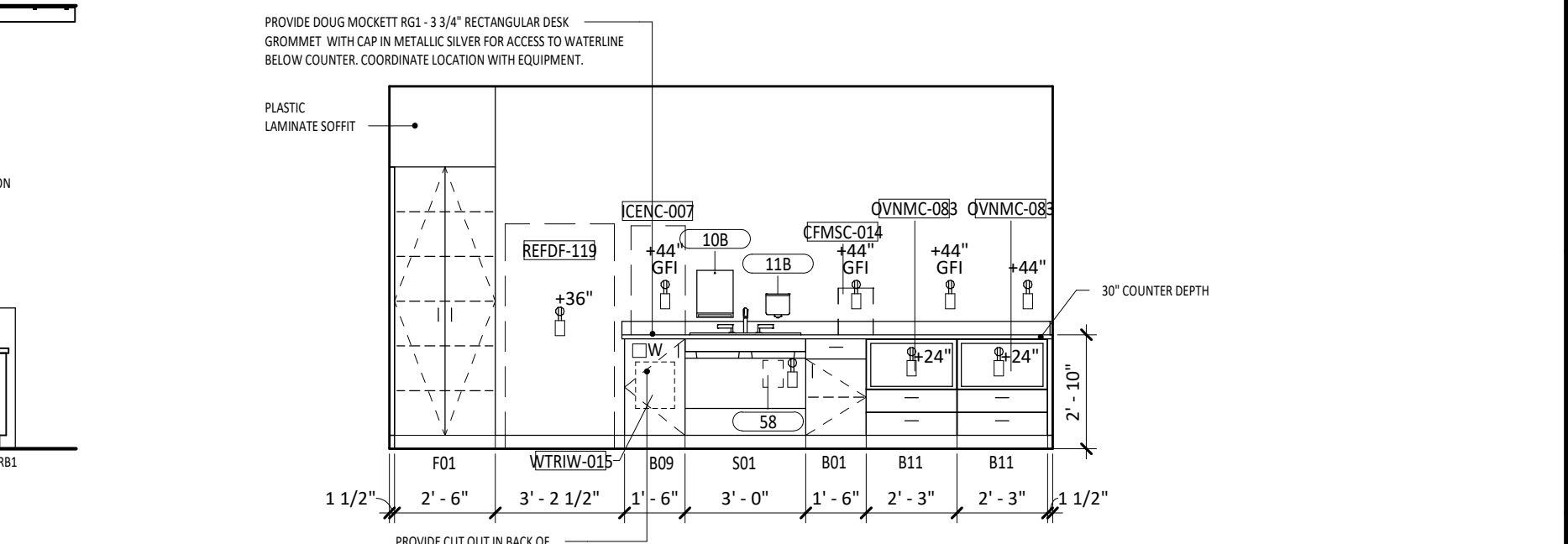
14 1032 WORKROOM (E)

A-A2.10B | A-A6.10 1/4" = 1'-0"



22 1075 WORK (E)

A-A2.10A | A-A6.10 1/4" = 1'-0"



29 1082 STAFF LOUNGE (W)

A-A2.10D | A-A6.10 1/4" = 1'-0"

INTERIOR ELEVATION NOTES

1. GRAIN PATTERN ON ALL WOODGRAIN LAMINATES TO RUN VERTICALLY, UNLESS NOTED OTHERWISE.
2. CASEWORK TYPE MARKS ARE LOCATED OUTSIDE THE ELEVATION. SEE CASEWORK SECTIONS AND DETAILS.
3. SEE A7 SHEETS FOR BACKING DETAILS.
4. CONCEALED BRACES ARE LABELED AS "CB". SEE SHEET A7.20 FOR DETAIL.
5. SEE A7 SHEETS FOR STANDARD ACCESSIBILITY DETAILS AND DIMENSIONS.
6. ALL CASEWORK EXPOSED SURFACES SHALL HAVE PLASTIC LAMINATE FINISHED FACES AND FINISHED EDGES.
7. PROVIDE A CAM LOCK ON ALL CABINETS WITH LOCK SYMBOLS. THE LOCK SYMBOL IS INDICATED BY A BLACK CIRCLE WITH WITH AN ADJACENT LOCK SYMBOL.
8. PROVIDE AND INSTALL 3" DIAMETER GROMMETS (MOCKETT XG1-WHITE, OR APPROVED EQUAL) WITHIN NEW CASEWORK. ASSUME ONE GROMMET WILL BE INSTALLED OVER EACH POWER OUTLET SHOWN BELOW A CASEWORK COUNTER. THE EXACT LOCATION OF THE GROMMETS MUST BE DETERMINED BY THE OWNER.
9. ALL FINISHES TO CONTINUE BEHIND AND UNDERNEATH ALL EQUIPMENT, ACCESSORIES, AND MOVABLE CASEWORK.
10. SEE A7 SHEETS FOR MOUNTING OF MIRRORS AT WAINSCOT WALLS.
11. SEE MATERIALS LIST ON THE A2 SHEETS FOR MATERIAL TYPES.
12. SEAL AROUND ALL JOINTS AT CABINETS AND COUNTERTOPS.



BOULDER ASSOCIATES

5646 MILTON STREET, SUITE 240
DALLAS, TEXAS 75206
214.420.5700

PROJECT 225462.00

IJRI -
AMBULATORY
SURGICAL
CENTER

14065 BORG WARNER DRIVE
NOBLESVILLE, IN 46060

CONSTRUCTION
DOCUMENTS

DATE 2023.04.28

REVISIONS	DESCRIPTION	DATE
2	Addendum #2	2023.06.07



2023.06.07

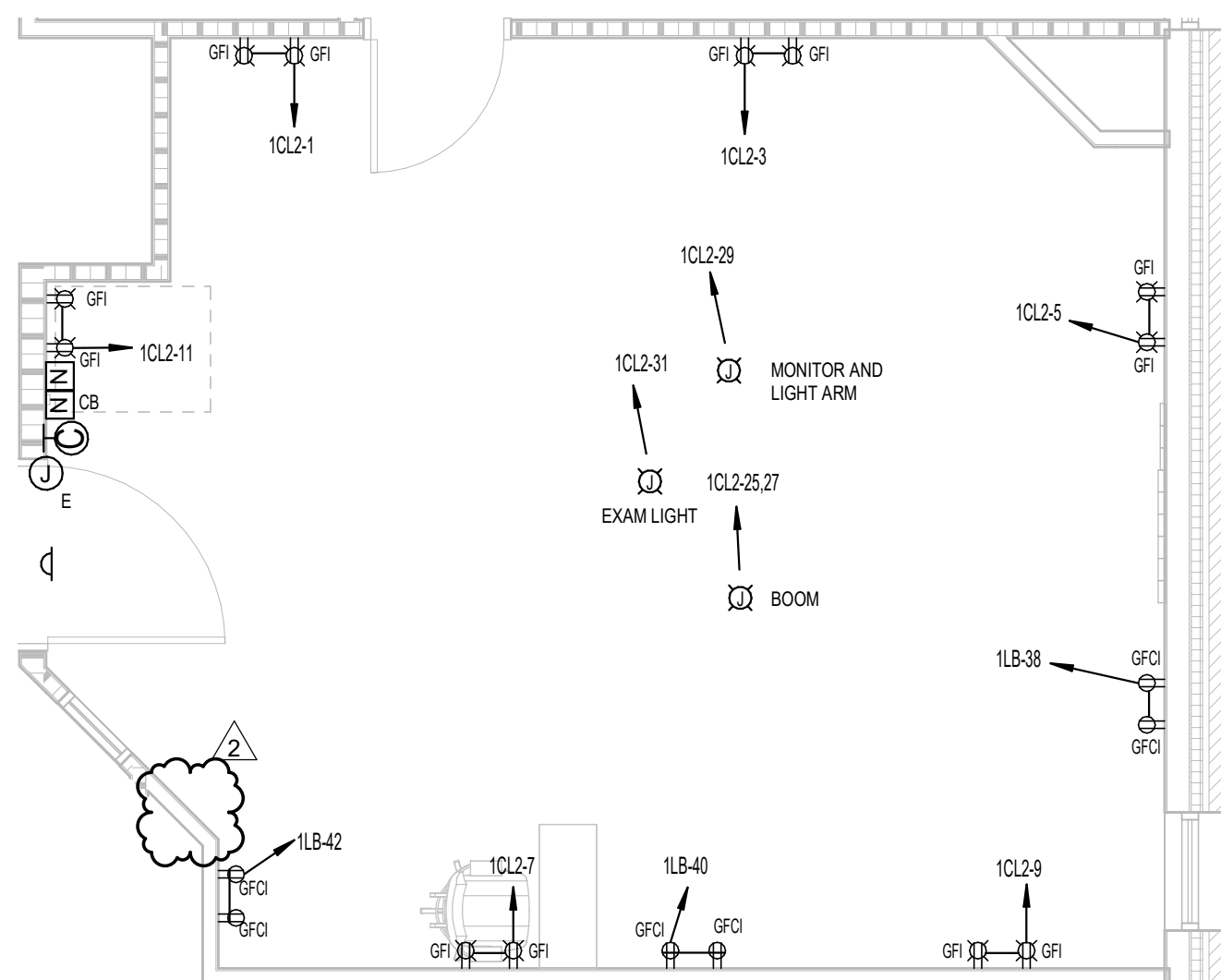
SHEET TITLE

INTERIOR ELEVATIONS

SHEET NUMBER

A-A6.10

6/7/2023 1:32:04 PM
Autodesk Docs\225462.00 A2 Orthopedic Indiana R22\225462.00 A-A2 TI First Floor.rvt
THIS SHEET IS AN UNPUBLISHED PRELIMINARY SCALE



2 TYPICAL ENLARGED PLAN - OR A1056

A-E2.01A | A-E2.01B 1/4" = 1'-0"

KEYED NOTES: #

NOTE: REFERENCE NUMBER INSIDE HEXAGON

- COORDINATE WITH ARCHITECT AND OWNER FOR HEADWALL DEVICE QUANTITIES AND CONFIGURATION.
- PROVIDE SEPARATE 1" CONDUITS FOR POWER & VOICE/DATA. STUB-UP VOICE/DATA CONDUIT TO ABOVE ACCESSIBLE CEILING.
- REFER TO TYPICAL OPERATING ROOM DETAIL FOR DEVICE LAYOUT AND QUANTITIES.
- PROVIDE POWER FOR MEDICAL GAS ALARM PANEL, CIRCUITED AS INDICATED. COORDINATE FINAL LOCATION AND REQUIREMENTS WITH ARCHITECT AND PLUMBING DRAWINGS.
- PROVIDE POWER FOR NURSE CALL/CONTROL PANEL, CIRCUITED AS INDICATED. COORDINATE FINAL LOCATION WITH ARCHITECT.
- PROVIDE POWER FOR EMERGENCY GENERATOR ALARM PANEL, CIRCUITED AS INDICATED. COORDINATE FINAL LOCATION WITH ARCHITECT.
- PROVIDE TIMER CONTROL STATION FOR OPERATING ROOM CLOCK. TYPICAL OF ALL OPERATING ROOMS.

GENERAL NOTES:

- REFER TO ARCHITECTURAL DRAWINGS FOR CONSTRUCTION PHASING REQUIREMENTS.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND ELEVATIONS OF WIRING DEVICES.
- REFER TO SHEET E0.01 FOR ELECTRICAL SYMBOL LEGEND AND SHEET E0.02 FOR ELECTRICAL LIGHT FIXTURE SCHEDULE.
- FIRE ALARM SYSTEM IS PERFORMANCED BASED. RE: SPECIFICATION 28 31.00.
 - DEVICES SHALL BE ADDRESSABLE AND INTELLIGENT.
 - SYNCHRONIZE DEVICES.
 - PROVIDE INTERFACE TO EGRESS DOORS TO AUTO RELEASE OPEN IN EVENT OF FIRE ALARM.
 - REFER TO SHEET E2.03 ELECTRICAL ROOF PLAN FOR AHU'S (DUCT DETECTORS).
- PROVIDE BACKBOX AND RACEWAY ROUGH-IN FOR THE FOLLOWING SYSTEMS:
 - NURSE CALL, CODE BLUE, PHYSIOLOGICAL MONITORING,
 - SECURITY (CAMERAS, CARD READERS, ACCESS CONTROL),
 - OVERHEAR PAGE / PUBLIC ADDRESS.
 - TV.
 - VOICE / DATA.
- REFER TO TECHNOLOGY T-SERIES DRAWINGS. PROVIDE AND COORDINATE 120V REQUIREMENTS FOR THESE SYSTEMS.
- PROVIDE TAMPER RESISTANT RECEPTACLES IN BUSINESS OFFICES, CORRIDORS, WAITING ROOMS AND PATIENT CARE AREAS.



1700 Pacific Avenue, Suite 2100
Dallas, Texas 75201
214.397.0211 p

TBPE Firm Registration No. 2234

DBR Project Number 223183.000

MS WS JP DS



BOULDER ASSOCIATES

5646 MILTON STREET, SUITE 240
DALLAS, TEXAS 75206
214.420.5700



2023.06.07

PROJECT 225462.00

IJRI -
AMBULATORY
SURGICAL
CENTER

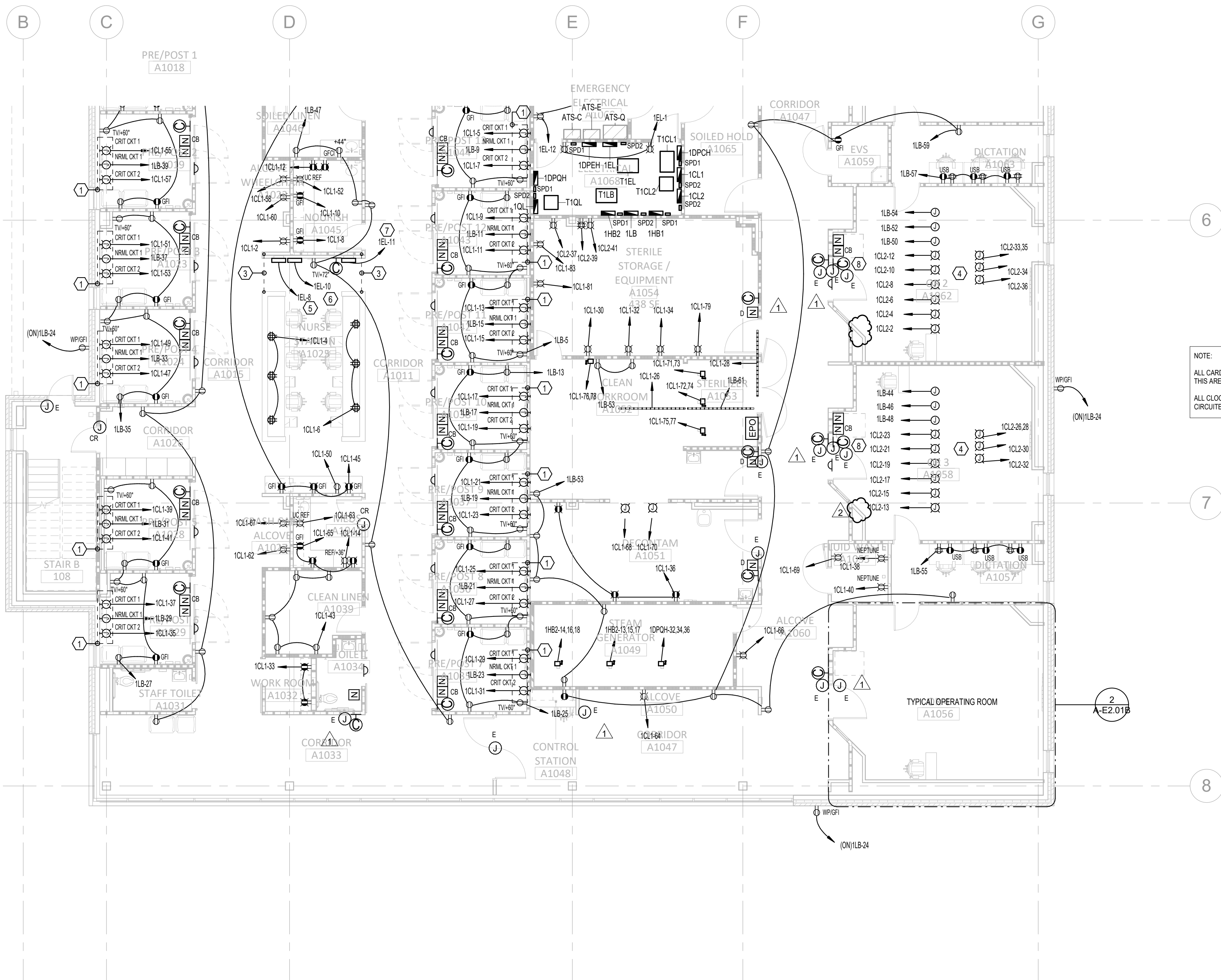
CONSTRUCTION
DOCUMENTS

DATE 2023.05.23

REVISIONS

REVISIONS	DESCRIPTION	DATE
1	ADDENDUM #1	2023.05.23
2	ADDENDUM #2	2023.06.07

NOTE:
ALL CARD READERS AND POWERED DOORS SHOWN IN THIS AREA ARE TO BE CIRCUITED TO 1EL-24.
ALL CLOCKS SHOWN ON THE FIRST FLOOR TO BE CIRCUITED TO 1EL-25.



1 FLOOR PLAN - LEVEL 1 - POWER - AREA B

A-E2.01B 1/8" = 1'-0"

FEEDER CIRCUIT SCHEDULE - COPPER

AMPS	CONDUCTORS	EMT	PVC 40	CONDUCTORS	EMT	PVC 40
175	3#20 CU, #6 CU G	2" C	2" C	4#20 CU, #6 CU G	2" C	2" C
200	3#30 CU, #6 CU G	2 1/2" C	2 1/2" C	4#30 CU, #6 CU G	2 1/2" C	2 1/2" C
225	3#40 CU, #4 CU G	2 1/2" C	2 1/2" C	4#40 CU, #4 CU G	2 1/2" C	2 1/2" C
250	3#250 CU, #4 CU G	2 1/2" C	2 1/2" C	4#250 CU, #4 CU G	2 1/2" C	2 1/2" C
400	2 SETS 3#30 CU, #3 CU G	2" C	2" C	2 SETS 4#30 CU, #3 CU G	2" C	2" C
600	2 SETS 3#350 CU, #1 CU G	2 1/2" C	3" C	2 SETS 4#350 CU, #1 CU G	3" C	3" C
800	3 SETS 3#300 CU, #10 CU G	2 1/2" C	3" C	3 SETS 4#300 CU, #10 CU G	2 1/2" C	3" C
1000	3 SETS 3#400 CU, #20 CU G	2 1/2" C	3 1/2" C	3 SETS 4#400 CU, #20 CU G	3" C	3 1/2" C
1200	3 SETS 3#600 CU, #30 CU G	3" C	3 1/2" C	3 SETS 4#600 CU, #30 CU G	3 1/2" C	4" C
1600	4 SETS 3#600 CU, #40 CU G	3" C	3 1/2" C	4 SETS 4#600 CU, #40 CU G	3 1/2" C	4" C
2000	5 SETS 3#600 CU, #250 CU G	3" C	3 1/2" C	5 SETS 4#600 CU, #250 CU G	3 1/2" C	4" C

BRANCH AND FEEDER CIRCUIT SCHEDULE - COPPER

AMPS	CONDUCTORS	EMT	PVC 40	CONDUCTORS	EMT	PVC 40
15	3#12 CU, #12 CU G	3/4" C	3/4" C	4#12 CU, #12 CU G	3/4" C	3/4" C
20	3#12 CU, #12 CU G	3/4" C	3/4" C	4#12 CU, #12 CU G	3/4" C	3/4" C
25	3#10 CU, #10 CU G	3/4" C	3/4" C	4#10 CU, #10 CU G	3/4" C	3/4" C
30	3#10 CU, #10 CU G	3/4" C	3/4" C	4#10 CU, #10 CU G	3/4" C	3/4" C
35	3#8 CU, #10 CU G	3/4" C	3/4" C	4#8 CU, #10 CU G	3/4" C	3/4" C
40	3#8 CU, #10 CU G	3/4" C	3/4" C	4#8 CU, #10 CU G	3/4" C	3/4" C
45	3#6 CU, #10 CU G	3/4" C	3/4" C	4#6 CU, #10 CU G	1" C	1" C
50	3#6 CU, #10 CU G	3/4" C	3/4" C	4#6 CU, #10 CU G	1" C	1" C
60	3#4 CU, #10 CU G	1" C	1" C	4#4 CU, #10 CU G	1 1/4" C	1 1/4" C
70	3#4 CU, #8 CU G	1" C	1" C	4#4 CU, #8 CU G	1 1/4" C	1 1/4" C
80	3#3 CU, #8 CU G	1 1/4" C	1 1/4" C	4#3 CU, #8 CU G	1 1/4" C	1 1/4" C
90	3#2 CU, #8 CU G	1 1/4" C	1 1/4" C	4#2 CU, #8 CU G	1 1/4" C	1 1/4" C
100	3#1 CU, #8 CU G	1 1/4" C	1 1/2" C	4#1 CU, #8 CU G	1 1/2" C	1 1/2" C
110	3#1 CU, #6 CU G	1 1/4" C	1 1/2" C	4#1 CU, #6 CU G	1 1/2" C	1 1/2" C
125	3#1 CU, #6 CU G	1 1/4" C	1 1/2" C	4#1 CU, #6 CU G	1 1/2" C	1 1/2" C
150	3#10 CU, #6 CU G	1 1/2" C	1 1/2" C	4#10 CU, #6 CU G	2" C	2" C

SCHEDULE NOTES:

1. COPPER CONDUCTOR AMPACITY SIZES BASED ON NEC TABLE 310.15(B)(16). CONDUCTORS 100 AMPS AND LESS UTILIZE UTILIZE 60°C. CONDUCTORS GREATER THAN 100 AMPS UTILIZE 75°C.
2. GROUND CONDUCTOR SIZES ARE BASED ON NEC TABLE 250.122.
3. CONDUIT SIZES ARE BASED ON NEC TABLES C.1 (EMT) AND C.10 (PVC).
4. CONDUIT SIZES FOR OTHER INSULATION CHARACTERISTIC, USE THE NEC, ANNEX C TABLE.

FEEDER CIRCUIT SCHEDULE - ALUMINUM

AMPS	CONDUCTORS	EMT	PVC 40	CONDUCTORS	EMT	PVC 40
175	3#40 AL, #4 AL G	2" C	2" C	4#40 AL, #4 AL G	2 1/2" C	2 1/2" C
200	3#250 AL, #2 AL G	2 1/2" C	2 1/2" C	4#250 AL, #2 AL G	2 1/2" C	3" C
225	3#300 AL, #2 AL G	2 1/2" C	2 1/2" C	4#300 AL, #2 AL G	2 1/2" C	3" C
250	3#350 AL, #2 AL G	2 1/2" C	3" C	4#350 AL, #2 AL G	3" C	3" C
400	2 SETS 3#250 AL, #1 AL G	2 1/2" C	2 1/2" C	2 SETS 4#250 AL, #1 AL G	2 1/2" C	2 1/2" C
600	2 SETS 3#500 AL, #20 AL G	3" C	3" C	2 SETS 4#500 AL, #20 AL G	3" C	3 1/2" C
800	3 SETS 3#400 AL, #30 AL G	2 1/2" C	3" C	3 SETS 4#400 AL, #30 AL G	3" C	3" C
1000	3 SETS 3#600 AL, #40 AL G	3" C	3 1/2" C	3 SETS 4#600 AL, #40 AL G	3 1/2" C	4" C
1200	4 SETS 3#600 AL, #250 AL G	3" C	3" C	4 SETS 4#600 AL, #250 AL G	3" C	3 1/2" C
1600	5 SETS 3#600 AL, #350 AL G	3" C	3 1/2" C	5 SETS 4#600 AL, #350 AL G	3 1/2" C	4" C
2000	6 SETS 3#600 AL, #400 AL G	3" C	3 1/2" C	6 SETS 4#600 AL, #400 AL G	3 1/2" C	4" C

TRANSFORMER SCHEDULE - COPPER

KVA	PRIMARY		SECONDARY		GROUNDING ELECTRODE
	OCP A/P	CONDUCTORS/CONDUIT	OCP A/P	CONDUCTORS/CONDUIT	
15	25/3	3#10, #10G, 3/4"C	60/3	4#4, #6G, 1-1/4"C	1#6G
30	50/3	3#6, #10G, 3/4"C	100/3	4#1, #6G, 1-1/2"C	1#6G
45	70/3	3#4, #6G, 1"C	150/3	4#10, #6G, 2"C	1#6G
75	125/3	3#1, #6G, 1-1/4"C	225/3	4#40, #2G, 2-1/2"C	1#2G
112.5	175/3	3#2/0, #6G, 2"C	400/3	4#600KCM, #10G, 3-1/2"C	1#10G
150	225/3	3#4/0, #4G, 2"C	500/3	2 SETS OF 4#250KCM, #10G, 2-1/2"C	1#10G

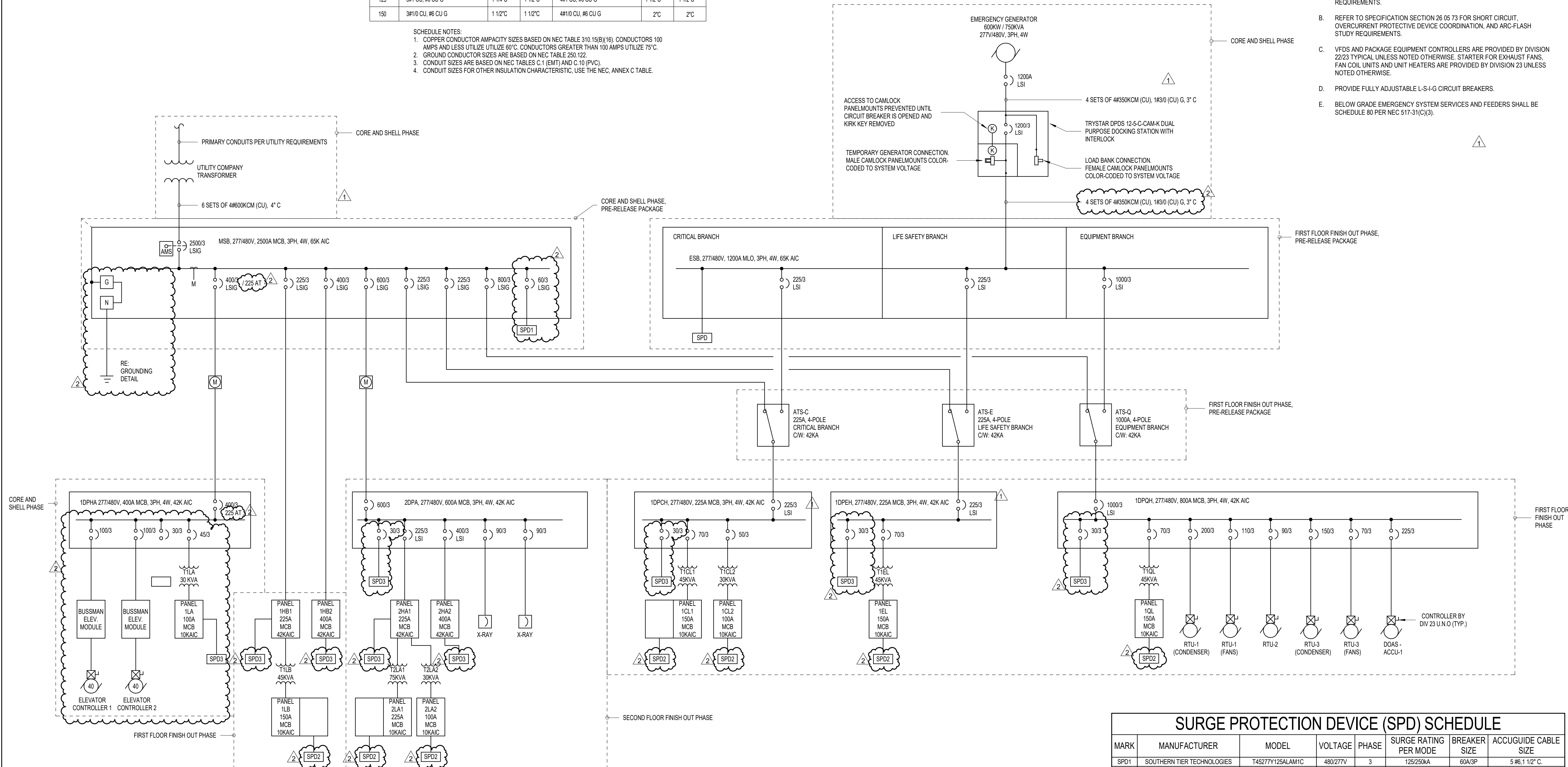
OCP - OVERCURRENT PROTECTION
A/P - AMPS/POLES

NOTES:

1. COPPER CONDUCTOR AMPACITY SIZES BASED ON 2011 NEC TABLE 310.15(B)(16). CONDUCTORS LESS THAN 110 AMPS UTILIZE 60°C. CONDUCTORS GREATER THAN 110 AMPS UTILIZE 75°C.
2. CONDUIT SIZES ARE BASED ON 2011 NEC TABLE C.1 (EMT).
3. CONDUIT SIZES FOR OTHER INSULATION CHARACTERISTIC, USE THE 2011 NEC, ANNEX C TABLE.

GENERAL NOTES:

- REFER TO PANEL SCHEDULES FOR SPARE CIRCUIT BREAKERS AND SPACE REQUIREMENTS.
- REFER TO SPECIFICATION SECTION 26 05 73 FOR SHORT CIRCUIT, OVERCURRENT PROTECTIVE DEVICE COORDINATION, AND ARC-FLASH STUDY REQUIREMENTS.
- VFDs AND PACKAGE EQUIPMENT CONTROLLERS ARE PROVIDED BY DIVISION 22/23 TYPICAL UNLESS NOTED OTHERWISE. STARTER FOR EXHAUST FANS, FAN COIL UNITS AND UNIT HEATERS ARE PROVIDED BY DIVISION 23 UNLESS NOTED OTHERWISE.
- PROVIDE FULLY ADJUSTABLE L-S-I-G CIRCUIT BREAKERS.
- BELOW GRADE EMERGENCY SYSTEM SERVICES AND FEEDERS SHALL BE SCHEDULE 80 PER NEC 517-31(C)(3).



INDIANA JOINT REPLACEMENT INSTITUTE
AMBULATORY SURGICAL CENTER

100% CONSTRUCTION DOCUMENTS

PROJECT SYMBOLS

VIEW REFERENCES

DRAWING TITLES

DETAIL NUMBER

VIEW NAME

SCALE

SHEET WHERE DRAWN

SHEET WHERE REFERENCED

1

A2.1/A6.1

1/8" = 1'-0"

SECTIONS

SECTION NUMBER

VIEW DIRECTION

SHEET WHERE DRAWN

1

A4.1

PLAN/DETAIL CALLOUTS

CALLOUT NUMBER

SHEET WHERE DRAWN

1

A4.1

DATUM SYMBOLS

GRIDLINE IDENTIFIER

STRUCTURAL GRIDLINE

NAME OF LEVEL

FLOOR TWO

14'-0"

HEIGHT ABOVE PROJECT DATUM

SPOT ELEVATION INDICATOR

9'-0"

NORTH

DETAIL SECTION

SECTION NUMBER

SHEET WHERE DRAWN

1

A4.1

ELEVATIONS

ELEVATION NUMBER

SHEET WHERE DRAWN

1

A3.1

4

3

2

PROJECT SYMBOLS AND ANNOTATION

ROOM NAME

ROOM NAME

ROOM NUMBER

101

DOOR OR OPENING NUMBER, SEE DOOR SCHEDULE.

A

WINDOW TYPE INDICATOR, SEE WINDOW TYPES.

000.00

EQUIPMENT AND ACCESSORY INDICATOR, SEE ACCESSORY AND EQUIPMENT SCHEDULE

ALIGN

ALIGN ITEMS SO THEY ARE FLUSH

NOTE:

SEE INDIVIDUAL SHEETS FOR ADDITIONAL SYMBOLS.

PROJECT DIRECTORY

OWNER THE INDIANA JOINT REPLACEMENT INSTITUTE 3834 S. EMERSON AVENUE, BLDG. A INDIANAPOLIS, INDIANA 46203	MEP ENGINEER / LOW VOLTAGE SW ASSOCIATES CONSULTING ENGINEERS 1700 PACIFIC AVENUE, SUITE 2100 DALLAS, TX 75201 PHONE: 214.397.0211
ARCHITECT BOULDER ASSOCIATES, INC. 5646 MILTON STREET, SUITE 240 DALLAS, TX 75206 PHONE: 214.420.5700	STRUCTURAL ENGINEER ARMSTRONG - DOUGLAS 12655 N. CENTRAL EXPWY, SUITE 720 DALLAS, TEXAS 75234 PHONE: 972.897.4030
CONTRACTOR THE SKILLMAN CORPORATION 3834 S. EMERSON AVENUE, BLDG. A INDIANAPOLIS, INDIANA 46203 PHONE: 317.783.6151	CIVIL ENGINEER/ LANDSCAPE DESIGN CRIPE 9339 PRIORITY WAY WEST DRIVE, SUITE 100 INDIANAPOLIS, INDIANA 46240 PHONE: 317.844.6777
	MEDICAL EQUIPMENT PLANNING CRIPE 9339 PRIORITY WAY WEST DRIVE, SUITE 100 INDIANAPOLIS, INDIANA 46240 PHONE: 317.844.6777

PROJECT DATA

BUILDING ADDRESS:	14065 BORG WARNER DRIVE NOBLESVILLE, IN 46060								
PROJECT DESCRIPTION:	TENANT IMPROVEMENT AMBULATORY SURGERY CENTER, LICENSED BY THE STATE OF INDIANAPOLIS WITH (4) ORS								
OCCUPANCY:	'B' OCCUPANCY								
CONSTRUCTION TYPE:	II-B (IBC), II (011) (NFPA), FULLY SPRINKLERED								
GROSS BUILDING AREA:	<table><tr><td></td><td>NEW</td></tr><tr><td>FIRST FLOOR</td><td>19,343 GSF</td></tr><tr><td>SECOND FLOOR</td><td>20,237 GSF</td></tr><tr><td>TOTAL</td><td>39,581 GSF</td></tr></table>		NEW	FIRST FLOOR	19,343 GSF	SECOND FLOOR	20,237 GSF	TOTAL	39,581 GSF
	NEW								
FIRST FLOOR	19,343 GSF								
SECOND FLOOR	20,237 GSF								
TOTAL	39,581 GSF								
PROJECT TENANT AREA:	17,900 SF								
FLOOR TO FLOOR HEIGHTS:	FIRST FLOOR: 15' - 4" SECOND FLOOR: 14' - 0"								
HAZARDOUS MATERIALS:	HAZARDOUS MATERIALS ARE NOT USED, STORED OR TRANSPORTED WITHIN THIS BUILDING IN QUANTITIES SUFFICIENT TO REQUIRE PROTECTION.								
APPLICABLE CODES:	2012 INTERNATIONAL BUILDING CODE W/ 2014 INDIANA AMENDMENTS 2006 INTERNATIONAL PLUMBING CODE W/ 2012 INDIANA AMENDMENTS 2012 INTERNATIONAL MECHANICAL CODE W/ 2014 INDIANA AMENDMENTS 2012 INTERNATIONAL FUEL GAS CODE W/ 2014 INDIANA AMENDMENTS 2012 INTERNATIONAL FIRE CODE W/ 2014 INDIANA AMENDMENTS 2010 INDIANA ENERGY CONSERVATION CODE 2009 INDIANA ELECTRICAL CODE 2014 INDIANA BUILDING CODE CHAPTER 11 ACCESSIBILITY 2011 INDIANA ELEVATOR SAFETY CODE 2012 NFPA 101, CH. 20 2012 NFPA 99 2018 FGI								
DEFERRED SUBMITTALS:	FIRE SUPPRESSION SYSTEM FIRE ALARM SYSTEM								

GENERAL NOTES

1. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. REPORT ANY DISCREPANCIES TO ARCHITECT BEFORE CONTINUING. DO NOT SCALE DRAWINGS.
2. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO REVIEW THE ARCHITECTURAL DRAWINGS PRIOR TO PRICING AND BEFORE PROCEEDING WITH INSTALLATION OF ANY MECHANICAL, PLUMBING, OR ELECTRICAL WORK.
3. SEAL AROUND ALL INTERIOR JOINTS AT DOORS, WINDOWS, CABINETS, AND COUNTERTOPS. ALSO SEAL WHERE DOOR FRAMES INTERSECT WITH FLOORING.
4. ALL FIRE SPRINKLER HEADS TO BE SEMI-RECESSED CHROME (EXCEPTION: PROVIDE CONCEALED SPRINKLER HEADS, WHITE, AT WAITING ROOMS).

UNIT PRICES

1. UNIT PRICE 01 - PROVIDE A UNIT PRICE TO ADD A MOISTURE CONTROL SYSTEM PER SECTION 090561.13 "MOISTURE VAPOR EMISSION CONTROL", IN COST/SQUARE FOOT.

ALLOWANCES

1. ALLOWANCE 01 – PROVIDE AN ALLOWANCE TO ADD A MOISTURE CONTROL SYSTEM PER SECTION 090561.13 "MOISTURE VAPOR EMISSION CONTROL", WITH INSTALLATION CONTINGENT UPON MOISTURE TESTING RESULTS PER DIVISION 09 FLOORING SPECIFICATIONS. THE OWNER MAY ELECT TO USE THIS ALLOWANCE TO INSTALL A DIFFERENT (LESS EXPENSIVE) SYSTEM DEPENDING ON THE MOISTURE TEST RESULTS.

SHEET INDEX

0 - GENERAL	
A-G0.01	COVER SHEET
A-G2.10	LIFE SAFETY PLAN
A-G2.11	FGI PLAN
5 - ARCHITECTURAL	
A-A2.10	FLOOR PLAN - LEVEL 1 OVERALL
A-A2.10A	FLOOR PLAN - LEVEL 1 AREA A
A-A2.10B	FLOOR PLAN - LEVEL 1 AREA B
A-A2.10C	FLOOR PLAN - LEVEL 1 AREA C
A-A2.10D	FLOOR PLAN - LEVEL 1 AREA D
A-A2.20	ENLARGED PLANS & INTERIOR ELEVATIONS
A-A2.21	ENLARGED PLANS & INTERIOR ELEVATIONS
A-A2.22	ENLARGED PLANS & INTERIOR ELEVATIONS
A-A2.23	ENLARGED PLANS & INTERIOR ELEVATIONS
A-A2.30A	FINISH PLAN - LEVEL 1 AREA A
A-A2.30B	FINISH PLAN - LEVEL 1 AREA B
A-A2.30C	FINISH PLAN - LEVEL 1 AREA C
A-A2.30D	FINISH PLAN - LEVEL 1 AREA D
A-A2.40	REFLECTED CEILING PLAN - LEVEL 1 OVERALL
A-A2.40A	REFLECTED CEILING PLAN - LEVEL 1 AREA A
A-A2.40B	REFLECTED CEILING PLAN - LEVEL 1 AREA B
A-A2.40C	REFLECTED CEILING PLAN - LEVEL 1 AREA C
A-A2.40D	REFLECTED CEILING PLAN - LEVEL 1 AREA D
A-A2.50	SCHEDULES
A-A2.51	INTERIOR MATERIAL LIST
A-A6.10	INTERIOR ELEVATIONS
A-A7.01	ACCESSIBILITY DETAILS
A-A7.10	PARTITION TYPES AND DETAILS
A-A7.11	PARTITION DETAILS
A-A7.20	CASEWORK DETAILS AND TYPES
A-A7.21	CASEWORK DETAILS
A-A7.22	CASEWORK DETAILS
A-A7.30	INTERIOR DETAILS
A-A7.31	INTERIOR DETAILS
A-A7.40	CEILING DETAILS
A-A7.41	CEILING DETAILS
A-A8.10	DOOR SCHEDULE AND TYPES, DOOR HARDWARE
A-A8.20	DOOR AND WINDOW DETAILS

9- MECHANICAL	
A-M0.01	MECHANICAL SYMBOLS AND NOTES
A-M1.01	MECHANICAL SCHEDULES AND DIAGRAMS
A-M2.01A	MECHANICAL - LEVEL 1 AREA A
A-M2.01B	MECHANICAL - LEVEL 1 AREA B
A-M2.03	MECHANICAL ROOF PLAN
A-M3.01A	PIPING AND CONTROLS - LEVEL 1 AREA A
A-M3.01B	PIPING AND CONTROLS - LEVEL 1 AREA B
A-M8.01	MECHANICAL DETAILS
A-M8.02	MECHANICAL DETAILS
A-M8.03	MECHANICAL DETAILS
A-M8.04	MECHANICAL DETAILS
A-M9.01	CONTROL SCHEMATICS
A-M9.02	CONTROL SCHEMATICS

10 - PLUMBING	
A-P1.01A	UNDERFLOOR - LEVEL 1 AREA A
A-P1.01B	UNDERFLOOR - LEVEL 1 AREA B
A-P2.01A	PLUMBING - LEVEL 1 AREA A
A-P2.01B	PLUMBING - LEVEL 1 AREA B
A-P3.01A	MEDGAS - LEVEL 1 AREA A
A-P3.01B	MEDGAS - LEVEL 1 AREA B
A-P4.01B	ENLARGED EQUIPMENT PLAN
A-P7.01	PLUMBING SCHEDULES
A-P7.02	PLUMBING SCHEDULES
A-P8.01	PLUMBING DETAILS
A-P8.02	PLUMBING DETAILS

11 - ELECTRICAL	
A-E0.01	ELECTRICAL SYMBOL LEGEND
A-E1.01	SITE PLAN - ELECTRICAL
A-E2.01A	POWER - LEVEL 1 AREA A
A-E2.01B	POWER - LEVEL 1 AREA B
A-E2.03	POWER - ROOF PLAN
A-E2.11A	MECHANICAL POWER - LEVEL 1 AREA A
A-E2.11B	MECHANICAL POWER - LEVEL 1 AREA B

SHEET INDEX

A-E3.01A	LIGHTING LEVEL 1 AREA A
A-E3.01B	LIGHTING LEVEL 1 AREA B
A-E4.01	ELECTRICAL ONE-LINE DIAGRAM
A-E5.01	ELECTRICAL LIGHT FIXTURE SCHEDULE
A-E5.02	ELECTRICAL PANELBOARD SCHEDULES
A-E5.03	ELECTRICAL PANELBOARD SCHEDULES
A-E5.04	ELECTRICAL PANELBOARD SCHEDULES
A-E6.01	ELECTRICAL DETAILS
A-E6.02	ELECTRICAL DETAILS
12 - AUDIO VIDEO	
A-TA0.00	AUDIO VIDEO COVER SHEET & SYMBOL LEGEND
A-TA1.01	AUDIO VIDEO FLOOR PLAN - LEVEL 1 OVERALL
A-TA1.01A	AUDIO VIDEO FLOOR PLAN - LEVEL 1 AREA A
A-TA1.01C	AUDIO VIDEO FLOOR PLAN - LEVEL 1 AREA C
A-TA1.01D	AUDIO VIDEO FLOOR PLAN - LEVEL 1 AREA D
A-TA6.01	AUDIO VIDEO MOUNTING DETAILS
A-TA7.01	AUDIO VIDEO DIAGRAMS
A-TA8.01	AUDIO VIDEO DETAILS
13 - TECHNOLOGY & SECURITY	
A-T0.00	TECHNOLOGY NOTED AND SYMBOL LEGEND
A-T0.01	TECHNOLOGY FACEPLATE DETAILS
A-T1.01	TECHNOLOGY OVERALL PLAN LEVEL 1
A-T3.00	ENLARGED PLANS
A-TS0.00	SECURITY NOTES AND SYMBOLS
A-TS0.01	SECURITY SINGLE DOOR DETAILS
A-TS0.02	SECURITY MISC. DETAILS
A-TS0.03	SECURITY MISC. DETAILS CONT.
A-TS0.04	SECURITY CAMERA DETAILS
A-TS0.05	SECURITY DEVICE SCHEDULES
A-TS1.01	SECURITY OVERALL PLAN LEVEL 1

14 - EQUIPMENT	
A-EQ1.10	FIRST FLOOR EQUIPMENT PLAN - FULL
A-EQ1.10A	FIRST FLOOR EQUIPMENT PLAN - UNIT A
A-EQ1.10B	FIRST FLOOR EQUIPMENT PLAN - UNIT B
A-EQ1.10C	FIRST FLOOR EQUIPMENT PLAN - UNIT C
A-EQ1.10D	FIRST FLOOR EQUIPMENT PLAN - UNIT D



BOULDER ASSOCIATES

5646 MILTON STREET, SUITE 240
DALLAS, TEXAS 75206
214.420.5700

PROJECT 225462.00

IJRI -
AMBULATORY
SURGICAL
CENTER

14065 BORG WARNER DRIVE
NOBLESVILLE, IN 46060

CONSTRUCTION
DOCUMENTS

DATE 2023.04.28

REVISIONS

#	DESCRIPTION	DATE
1	Addendum #1	2023.05.23
2	Addendum #2	2023.06.07



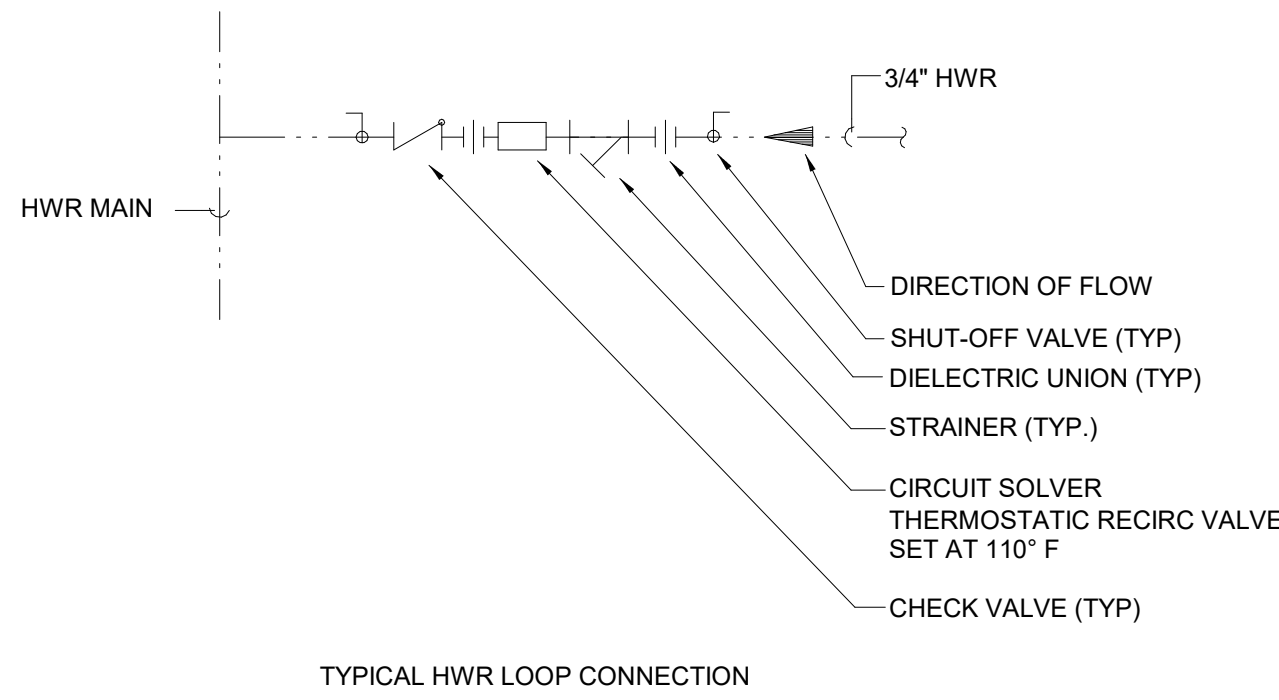
2023.06.07

SHEET TITLE

COVER SHEET

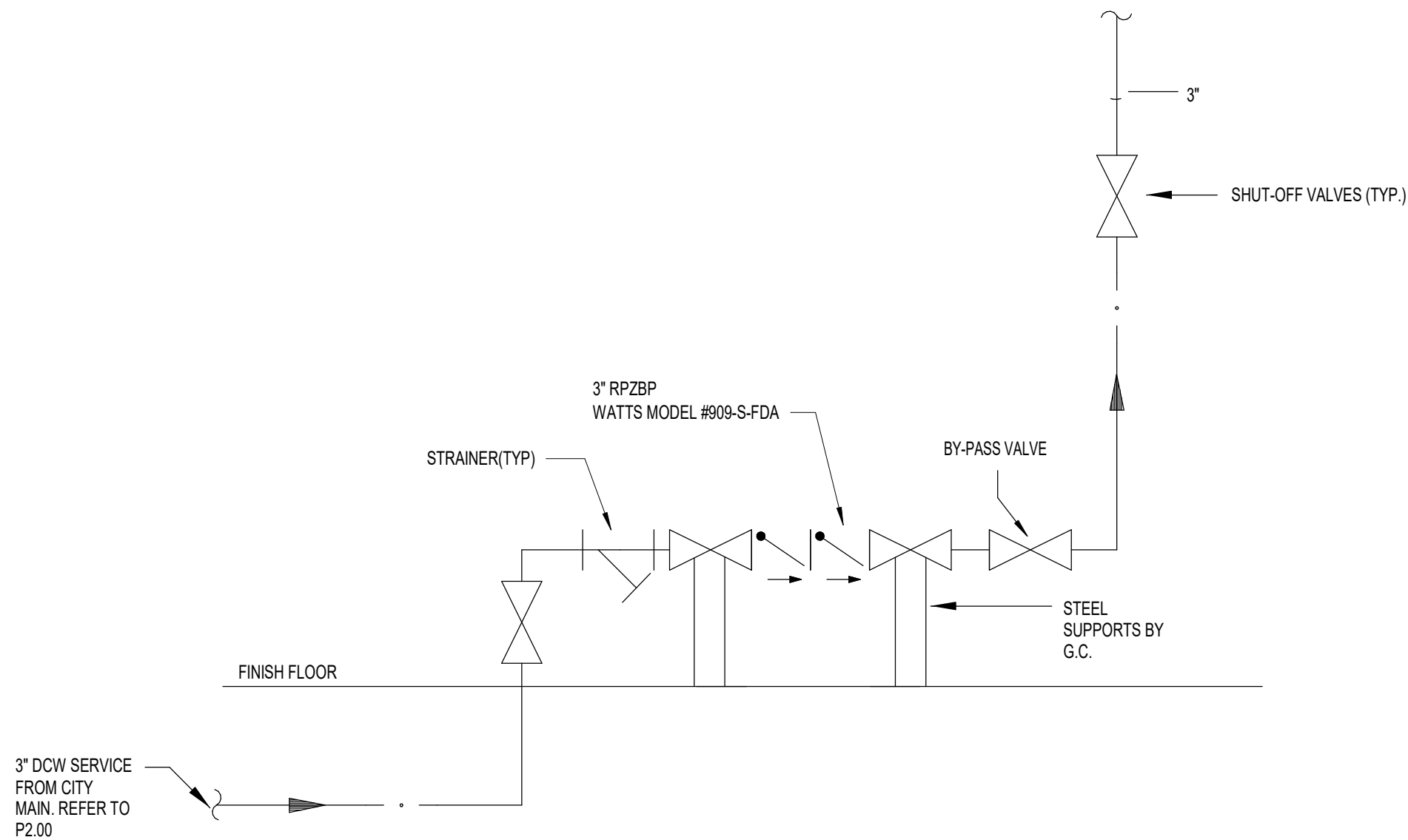
SHEET NUMBER

A-G0.01



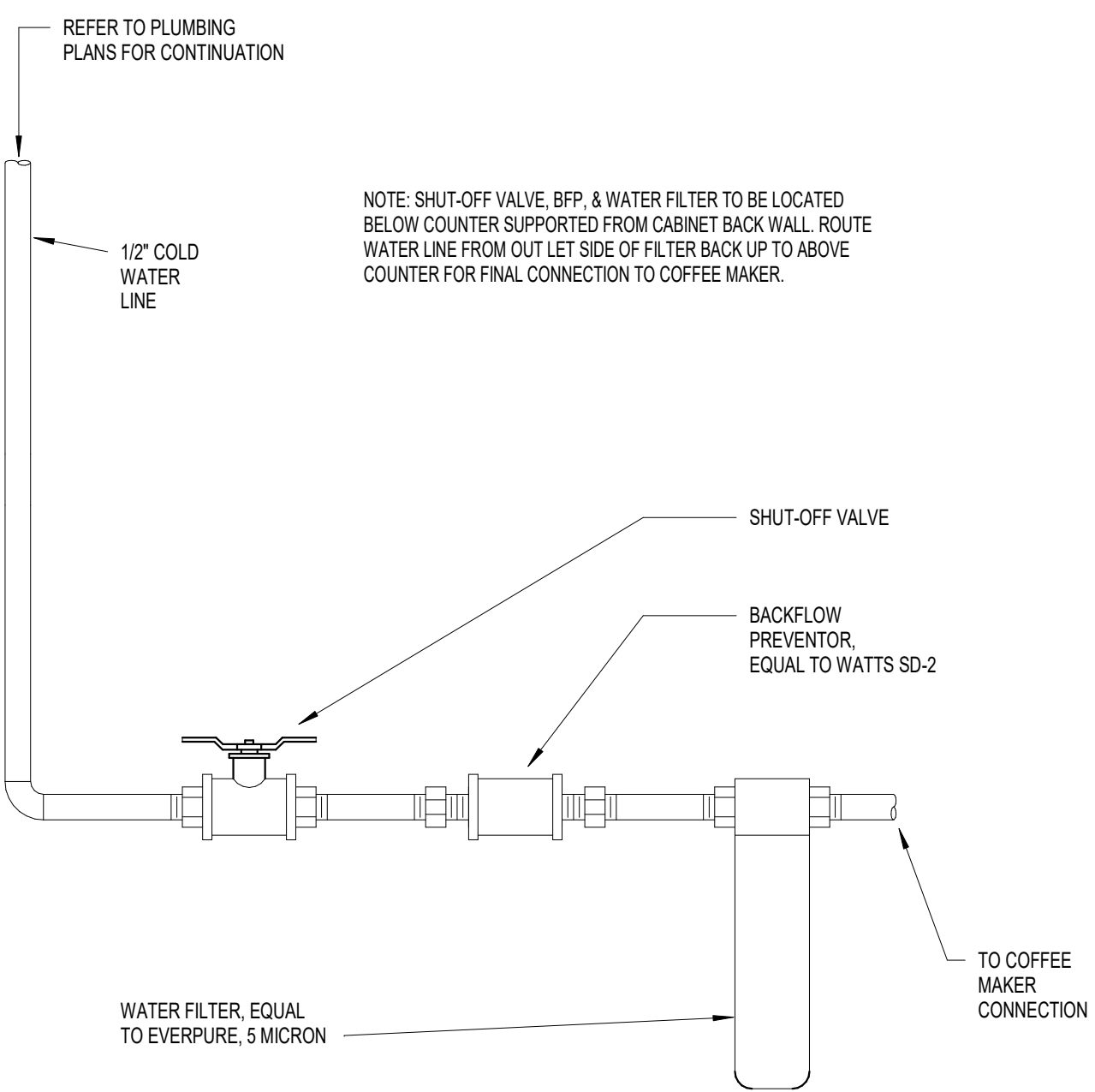
1 TYPICAL HWR LOOP CONNECTION

A-P8.02 12" = 1'-0"



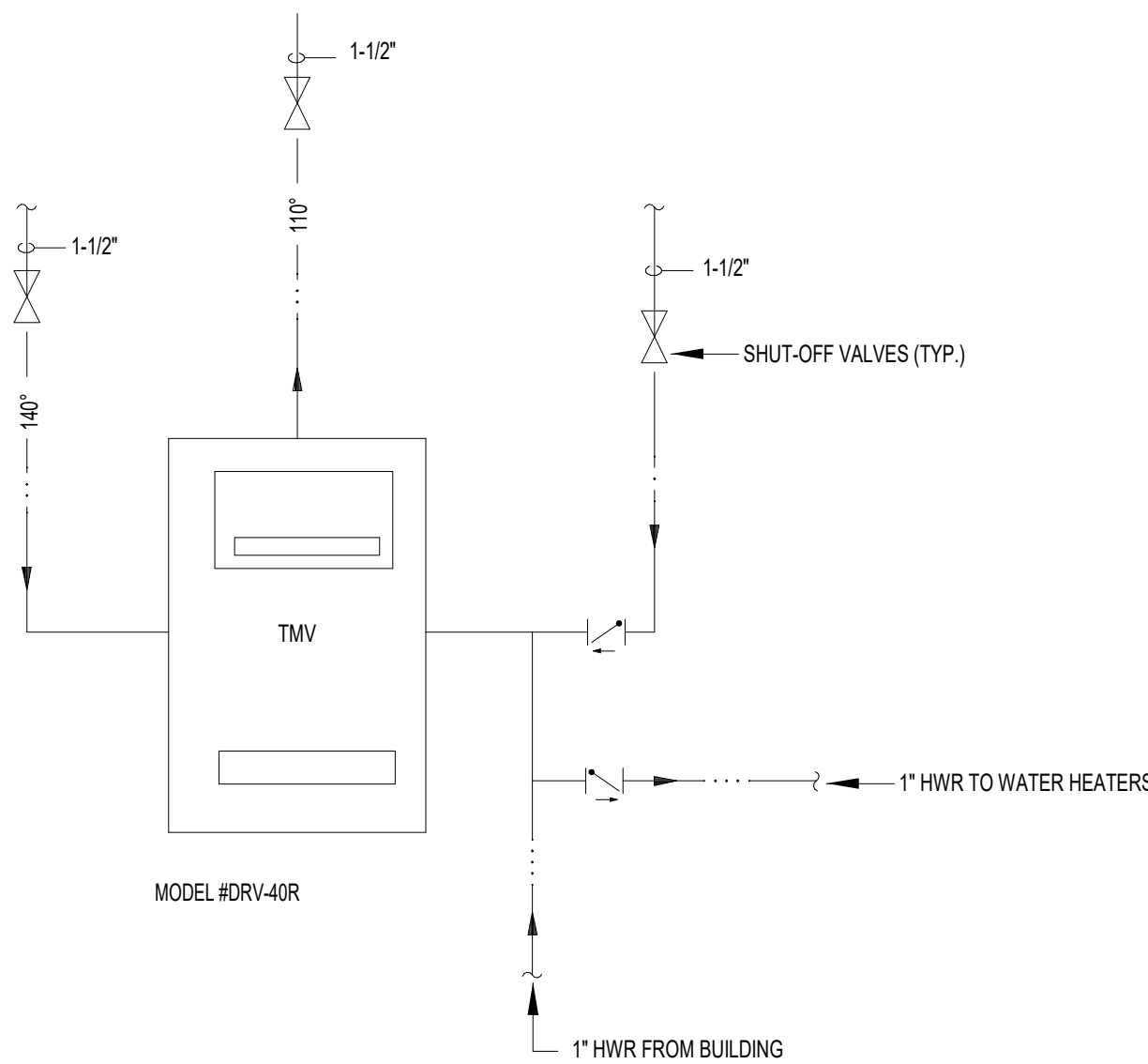
4 DOMESTIC COLD WATER ENTRANCE PIPING DETAIL

A-P8.02 12" = 1'-0"



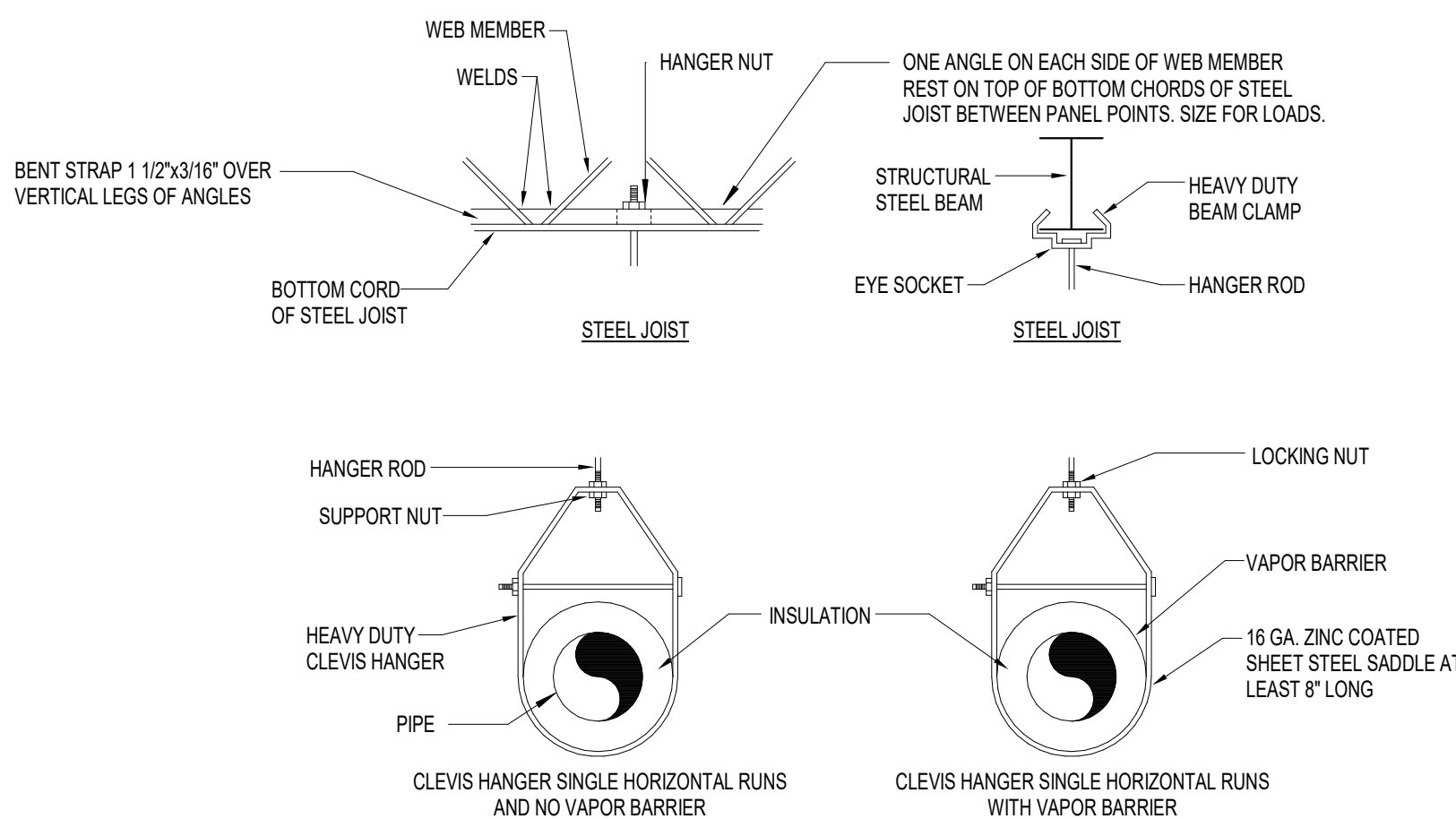
6 COFFEE MAKER CONNECTION DETAIL

A-P8.02 NTS



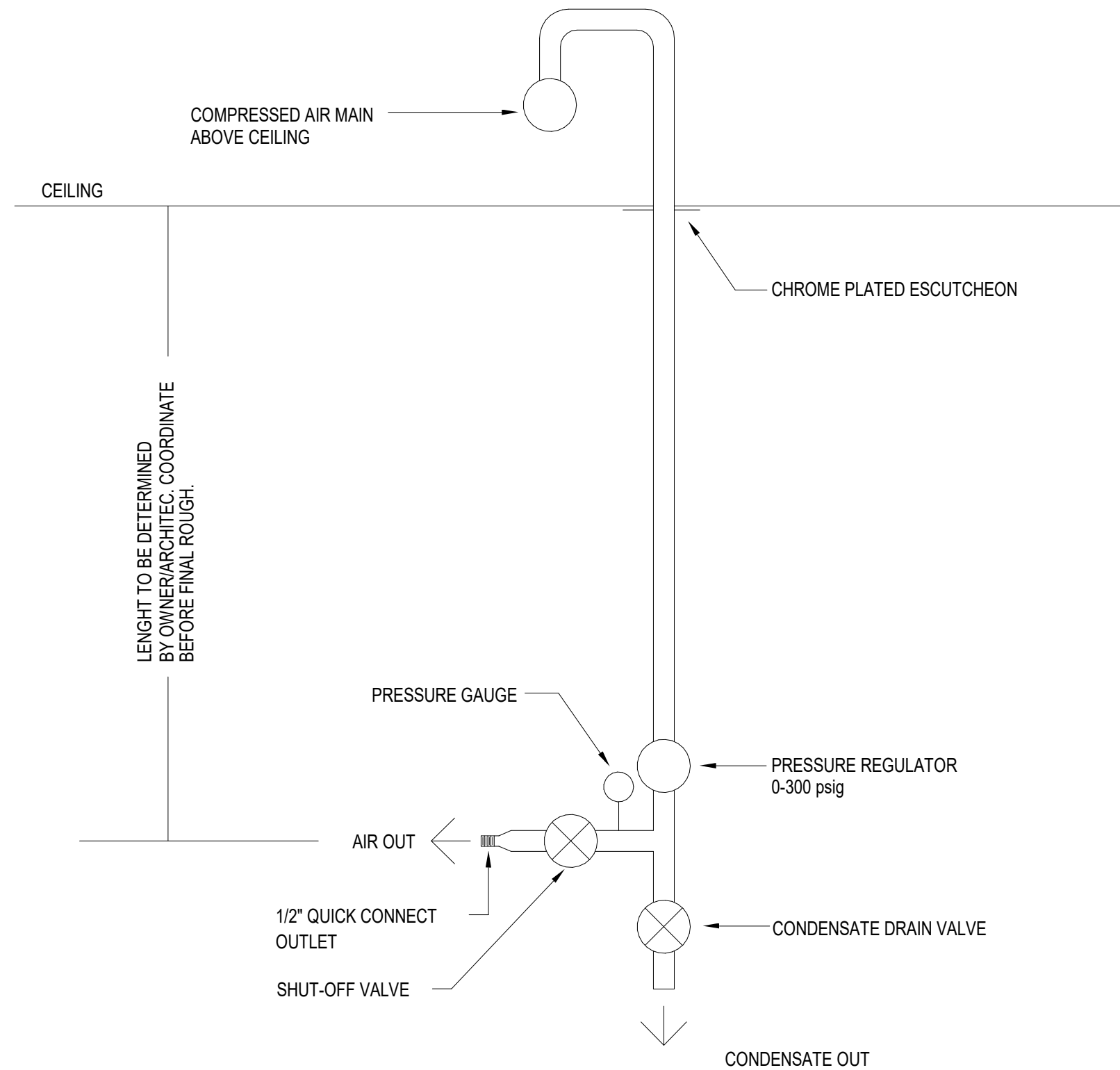
2 TMV PIPING DETAIL

A-P8.02 NTS



5 BUILDING PIPE SUPPORT DETAIL

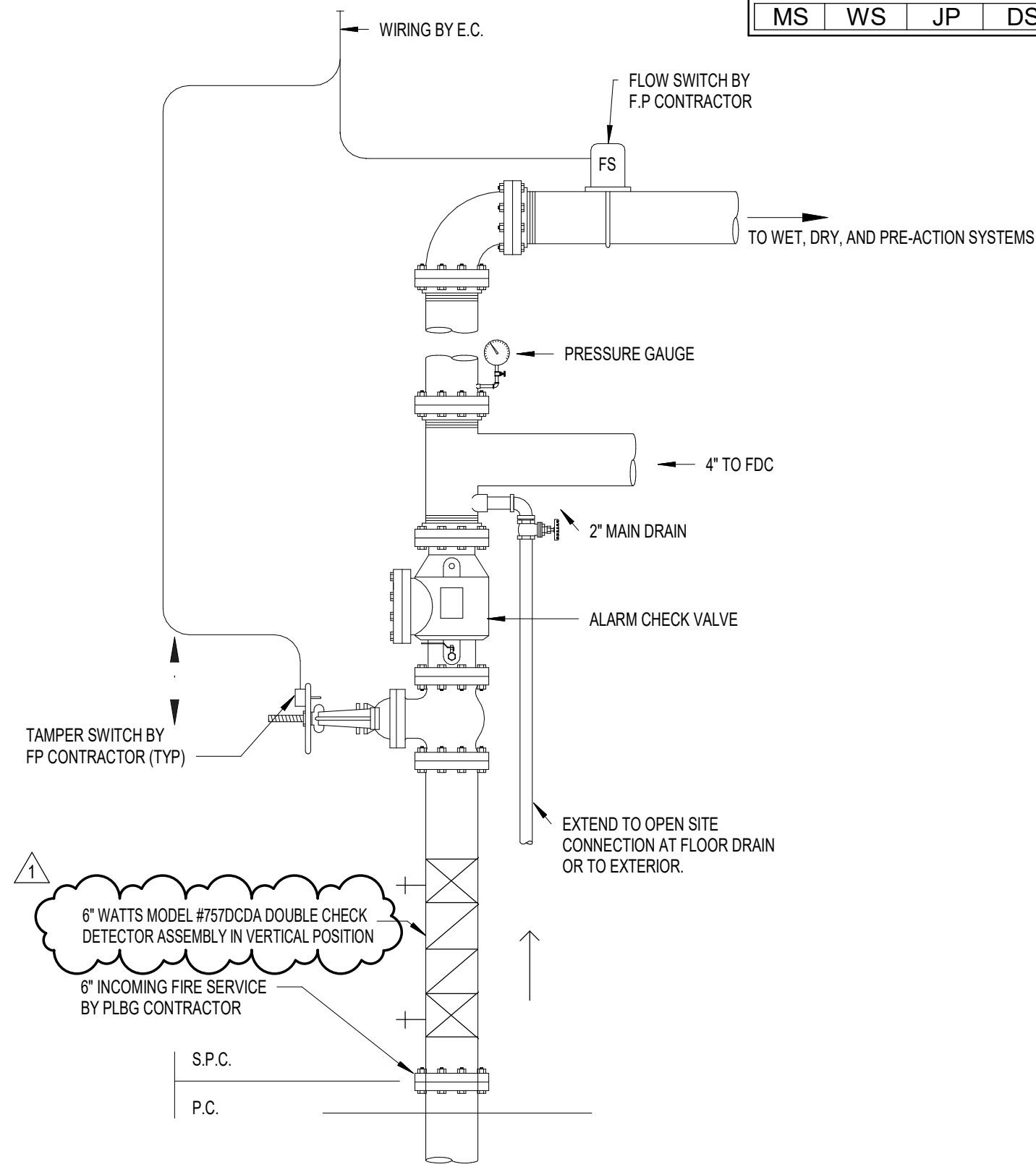
A-P8.02 NTS



TYPICAL CEILING DROP INSTRUMENT AIR OUTLET

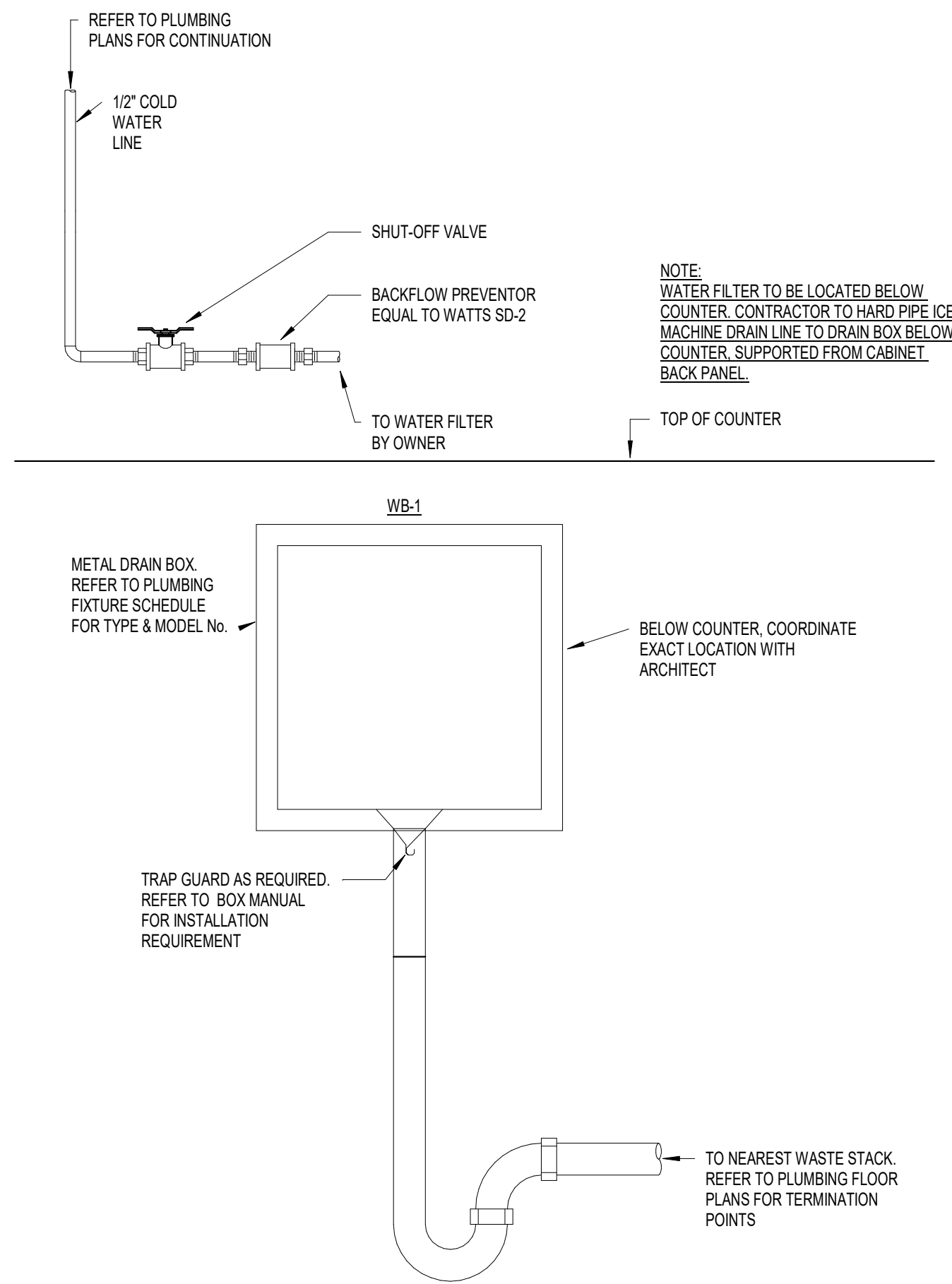
7 TYPICAL INTRUMENT AIR OUTLET DETAIL

A-P8.02 N.T.S.




3 FIRE PROTECTION RISER DETAIL

A-P8.02 N.T.S.



8 ICE MACHINE CONNECTION

A-P8.02 NTS



1700 Pacific Avenue, Suite 2100
Dallas, Texas 75201
214.397.0211 p

TBPE Firm Registration No. 2234

DBR Project Number 223183.000

MS	WS	JP	DS
----	----	----	----



BOULDER ASSOCIATES

5646 MILTON STREET, SUITE 240
DALLAS, TEXAS 75206
214.420.5700



2023.06.07

PROJECT 225462.00

IJRI - AMBULATORY SURGICAL CENTER

14065 BORG WARNER DRIVE
NOBLESVILLE, IN 46060

CONSTRUCTION
DOCUMENTS

DATE2023.06.07

REVISIONS

#	DESCRIPTION	DATE
1	Addendum #2	2023.06.07


SHEET TITLE

PLUMBING DETAILS

SHEET NUMBER

A-P8.02

6/7/2023 10:45:15 AM
Autodesk Docs\725462.00\I2 Orthopedic Indiana R22\Plumbing\I2 Orthopedic Indiana 22702.rvt



1700 Pacific Avenue, Suite 2100
Dallas, Texas 75201
214.397.0211 p

DBR Project Number 223183.000

MSWSJPDS

DBR Firm Registration No. 2234



BOULDER ASSOCIATES

5646 MILTON STREET, SUITE 240
DALLAS, TEXAS 75206
214.420.5700

2023.06.07

PROJECT 225462.00



2023.06.07

PROJECT 225462.00

IJRI -
AMBULATORY
SURGICAL
CENTER

14065 BORG WARNER DRIVE
NOBLESVILLE, IN 46060

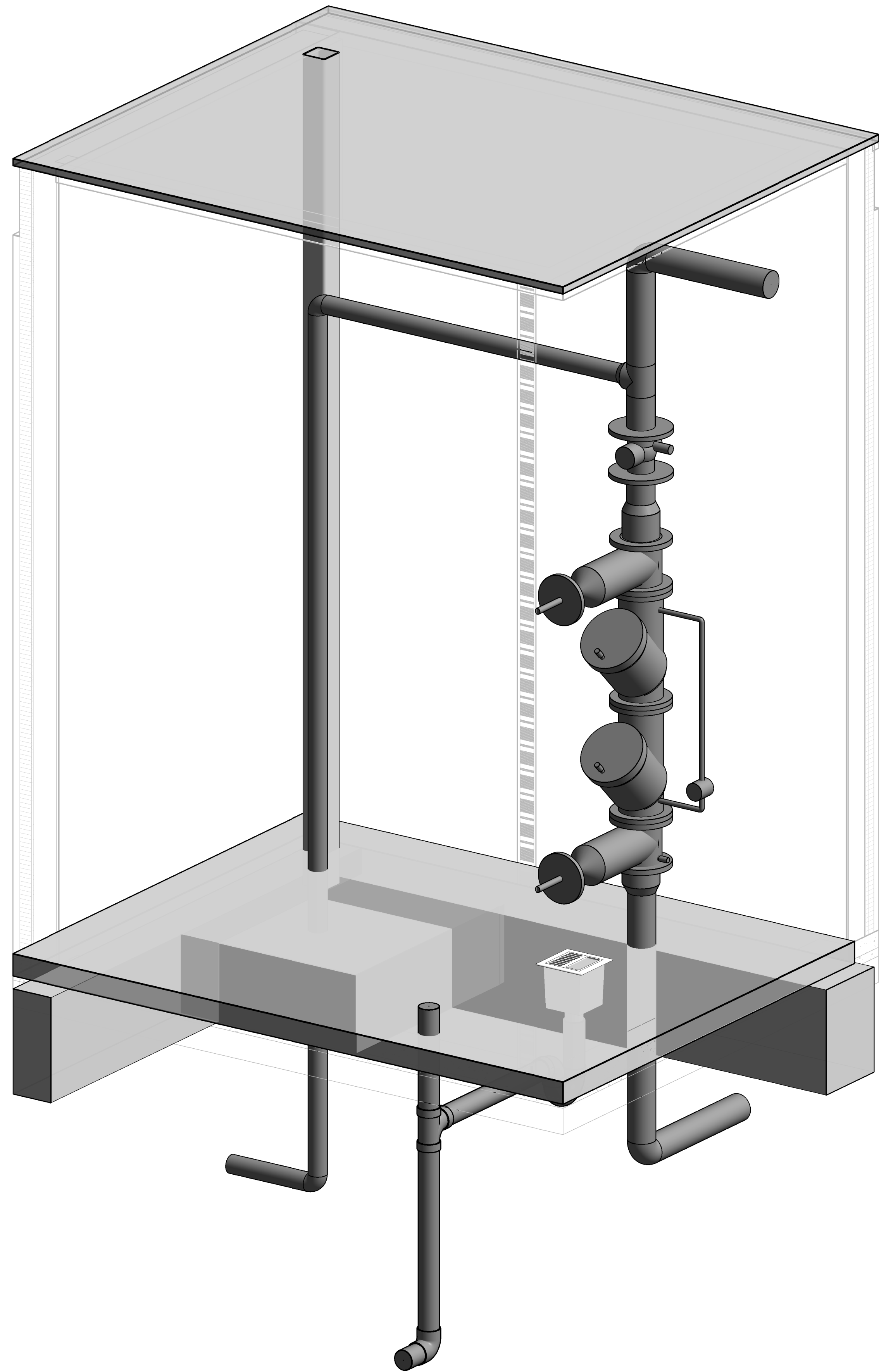
CONSTRUCTION
DOCUMENTS

DATE 2023.06.07

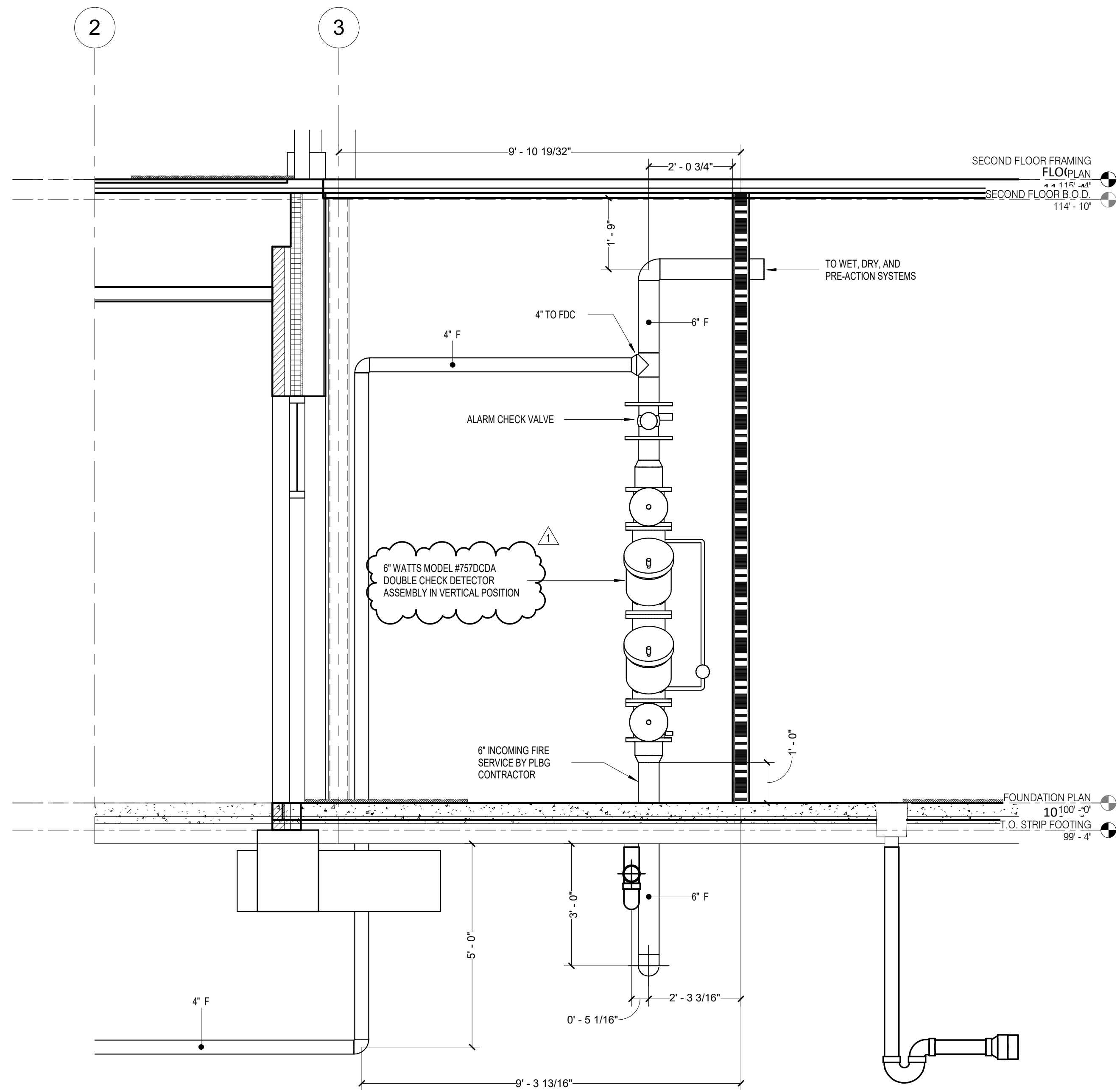
REVISIONS	DESCRIPTION	DATE
1	Addendum #2	2023.06.07

SHEET TITLE
FIRE RISER ROOM

SHEET NUMBER
A-P8.03



1 3D FIRE RISER ROOM
A-P8.03



2 FP-001 SECTION VIEW
A-P2.01A A-P8.03 1/2" = 1'-0"



5646 MILTON STREET, SUITE 240
DALLAS, TEXAS 75206
214.420.5700

PROJECT	225462.0
---------	----------

**IJRI -
AMBULATORY
SURGICAL
CENTER**

14065 BORG WARNER DRIVE
NOBLESVILLE, IN 46060

CONSTRUCTION DOCUMENTS

DATE	2023.04.2
------	-----------

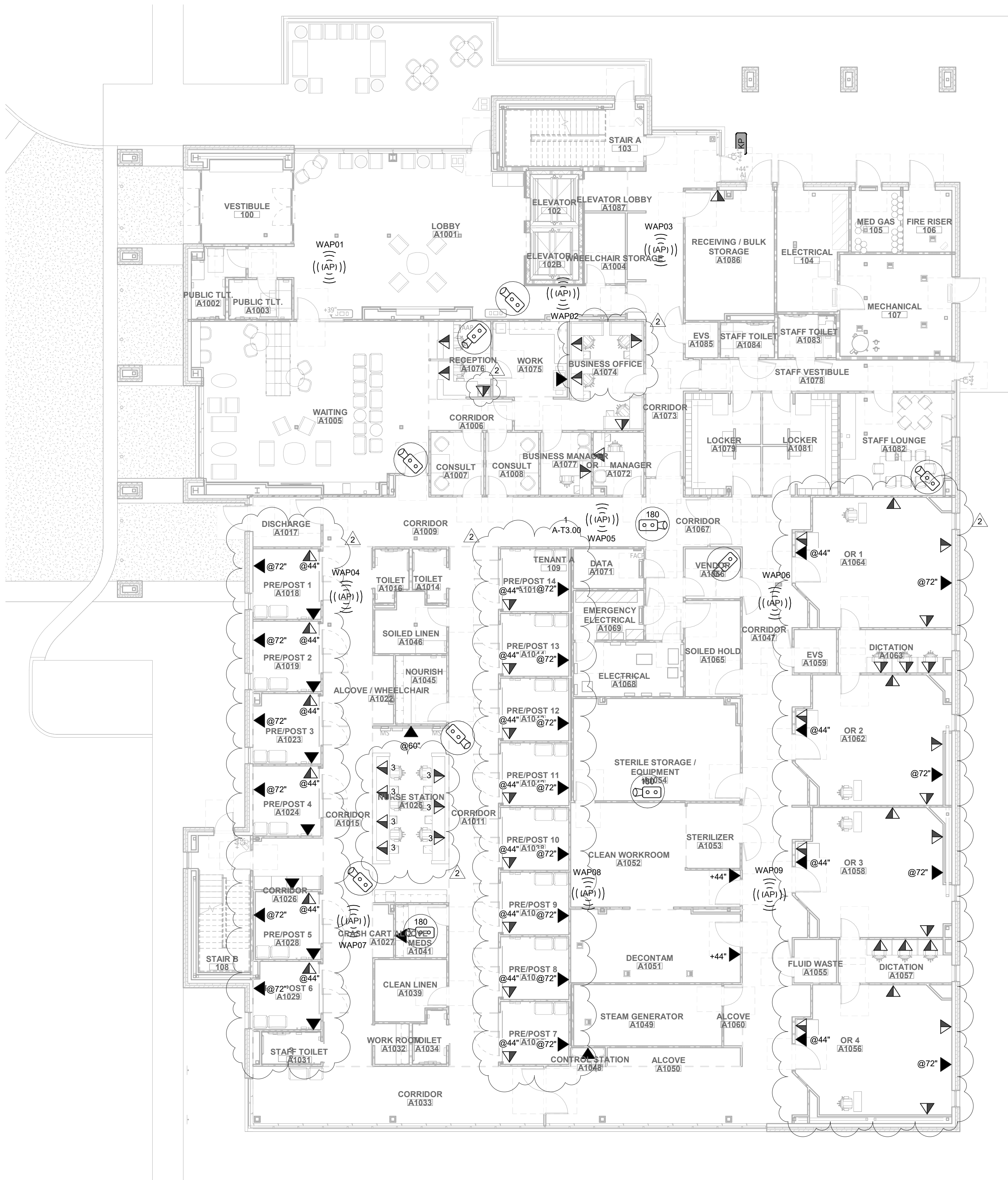
#	DESCRIPTION	DATE
2	Addendum #2	2023.06.0

SHEET TITLE

TECHNOLOGY OVERALL PLAN LEVEL 1

SHEET NUMBER

A-T1.01



1 TECHNOLOGY PLAN - LEVEL 1
1" = 10'-0"

THIS LINE IS 1 INCH LONG WHEN PRINTED TO FULL SCALE

6/7/2023 11:31:39 AM

D:\TLD Dropbox\TCCD\TLD MASTER\2022\22239 - SWA - Noblesville\Revit\SWA Noblesville_R22.rvt

6/7/2023 11:31:39 AM
D:\11D DropBox\11CC\11D MASTER\2021\22239 - SWA - Noblesville\Revit\SWA Noblesville_022.rvt
THIS DRAWING IS TO BE PRINTED TO FULL SCALE

SECURITY ACCESS CONTROL LEGEND

CR - CARD READER	LOCK: cont.
DPS - DOOR POSITION SWITCH	FS/FE - FAIL SAFE/FAIL SECURE
IML - INTEGRATED INTO MAGLOCK	LL - VERTICAL ROD LATCH RETRACTION
LOCK:	MCB - MECHANICAL CRASH BAR
DECB - DELAYED EGRESS CRASHBAR WITH ELECTRIC TRIM	ML - MAGLOCK
ECB - CRASHBAR WITH ELECTRIC TRIM	DEML - DELAYED EGRESS MAGNETIC LOCK
EH - ELECTRIFIED HANDSET	MS - MOTION SENSOR
ER - EMERGENCY RELEASE	EB - EXIT BUTTON
ES - ELECTRIC STRIKE	RTE - REQUEST TO EXIT

SECURITY ACCESS CONTROL SCHEDULE

CR#	DOOR#	LOCATION	CR	CR/KP	CONTACT	HARDWARE	RTE	FS/FE	DETAIL#	NOTES
CR 04	173A	CORRIDOR A1073	Y	CR	1	EL	N	FS	A-TS0.01/A	
CR 05	178	CORRIDOR A1078	Y	CR	1	EL	N	FS	A-TS0.01/A	
CR07	174A	WORK A1075	Y	CR	1	EL	N	FS	A-TS0.01/A	
CR08	109	CORRIDOR A1009	Y	CR	1	EL	N	FS	A-TS0.01/A	
CR09	107B	CONSULT A1007	Y	CR	1	EL	N	FS	A-TS0.01/A	
CR10	108B	CONSULT A1008	Y	CR	1	EL	N	FS	A-TS0.01/A	
CR11	173B	CORRIDOR A1067	Y	CR	1	EL	N	FS	A-TS0.01/A	
CR13	171	DATA A1071	Y	CR	1	EL	N	FS	A-TS0.01/A	
CR14	166B	VENDOR A1066	Y	CR	1	EL	N	FS	A-TS0.01/A	
CR15	166A	VENDOR A1066	Y	CR	1	EL	N	FS	A-TS0.01/A	
CR16	168A	ELECTRICAL A1068	Y	CR	1	EL	Y	FS	A-TS0.01/A	
CR17	165A	SOILDED HOLD A1065	Y	CR	1	EL	N	FS	A-TS0.01/A	
CR19	141	MEDS A1041	Y	CR	1	EL	N	FS	A-TS0.01/A	

SECURITY SURVEILLANCE SCHEDULE

NUMBER	CAMERA LOCATION	CAMERA TYPE	DETAIL	NOTES
CAM04	LOBBY A1001	CEILING 45°	A-TS0.04/A	
CAM05	RECEPTION A1076	CEILING 45°	A-TS0.04/A	
CAM06	WAITING A1005	CEILING 45°	A-TS0.04/A	
CAM07	STAFF LOUNGE A1082	CEILING 45°	A-TS0.04/A	
CAM09	CORRIDOR A1011	CEILING 45°	A-TS0.04/A	
CAM11	CORRIDOR A1015	CEILING 45°	A-TS0.04/A	
CAM12	MEDS A1041	CEILING 180°	A-TS0.04/A	
CAM13	VENDOR A1066	CEILING 45°	A-TS0.04/A	
CAM14	STERILE STORAGE A1054	CEILING 180°	A-TS0.04/A	
CAM15	CORRIDOR A1067	CEILING 180°	A-TS0.04/A	



BOULDER ASSOCIATES

5646 MILTON STREET, SUITE 240
DALLAS, TEXAS 75206
214.420.5700

PROJECT 225462.00

IJRI -
AMBULATORY
SURGICAL
CENTER

14065 BORG WARNER DRIVE
NOBLESVILLE, IN 46060

CONSTRUCTION
DOCUMENTS

DATE 2023.04.28

#	DESCRIPTION	DATE
2	Addendum #2	2023.06.07

SHEET TITLE
SECURITY DEVICE
SCHEDULES

SHEET NUMBER
A-TS0.05



5646 MILTON STREET, SUITE 240
DALLAS, TEXAS 75206
214.420.5700

PROJECT	225462.0
---------	----------

**IJRI -
AMBULATORY
SURGICAL
CENTER**

14065 BORG WARNER DRIVE
NOBLESVILLE, IN 46060

CONSTRUCTION DOCUMENTS

DATE	2023.04.2
------	-----------

REVISIONS

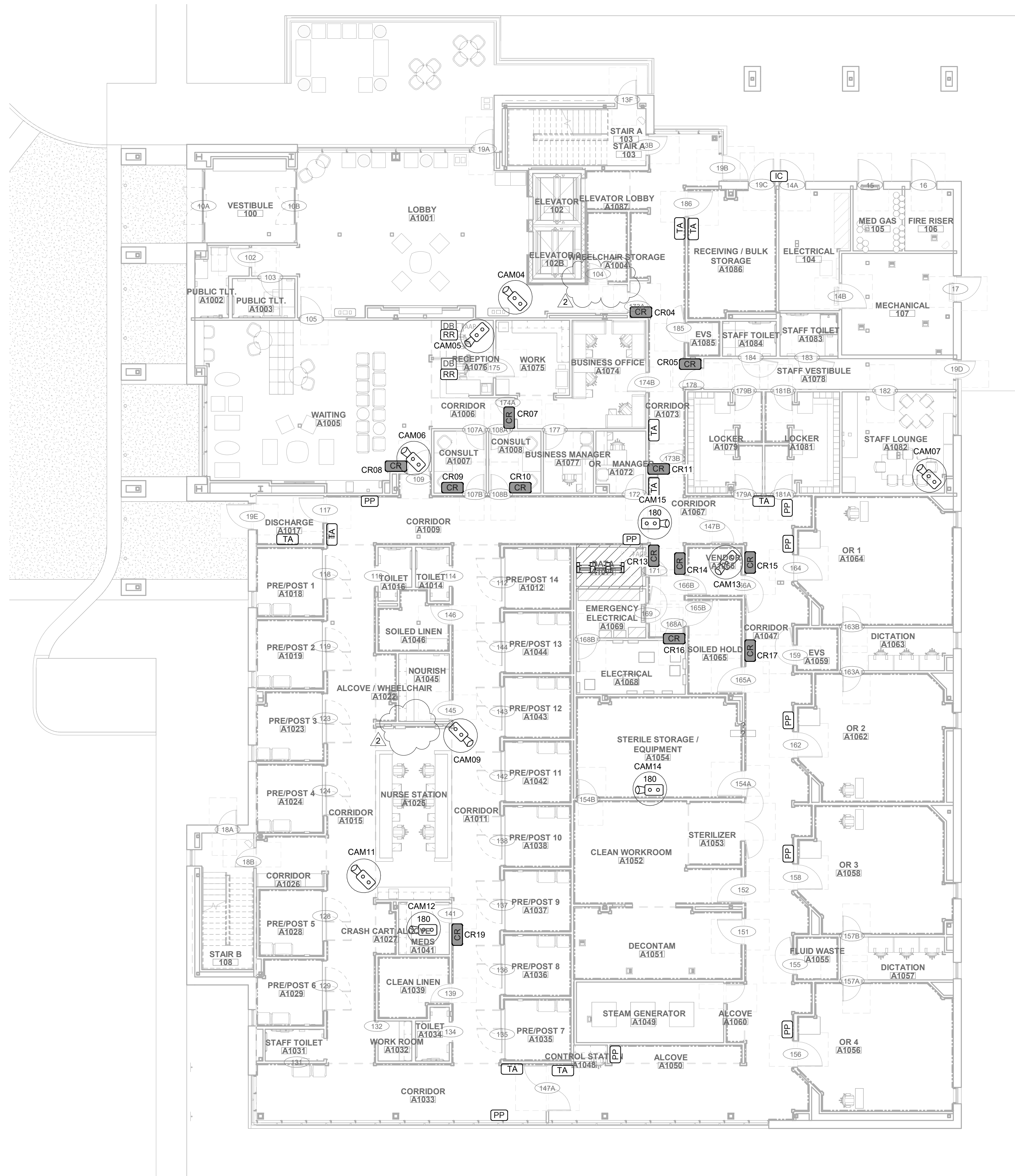
#	DESCRIPTION	DATE
2	Addendum #2	2023.06.0

SHEET TITLE

**SECURITY OVERALL
PLAN LEVEL 1**

SHEET NUMBER

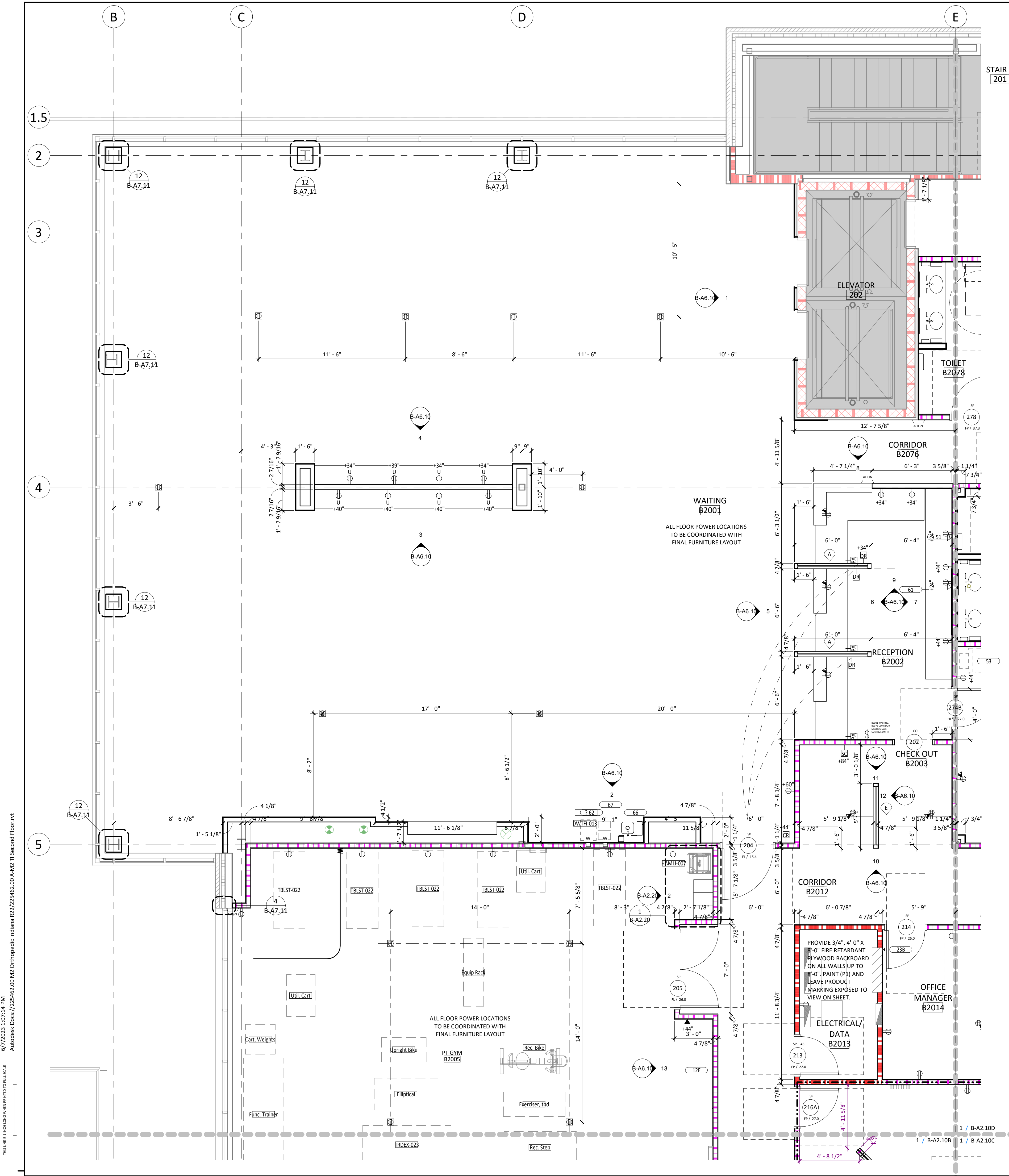
A-TS1.01



① SECURITY PLAN - LEVEL 1
1" = 10'-0"

6/7/2023 11:38:56 AM
D:\TLD Dropbox\TCCD\TLD MASTER\2022\22239 - SWA - Noblesville\Revit\SWA Noblesville_R22.rvt

THIS LINE IS 1 INCH LONG WHEN PRINTED TO FULL SCALE



FLOOR PLAN GENERAL NOTES

- DIMENSIONS ARE TO FACE OF INTERIOR GYPSUM BOARD, TILE BACKER BOARD, FACE OF EXTERIOR WALL MATERIALS, STRUCTURAL GRIDS AND CENTERLINES WHERE INDICATED.
- ALL GYPSUM WALLBOARD TO BE 5/8" UNO TYPE "X" EXCEPT AT THE FOLLOWING LOCATIONS:
 - AT RESTROOMS WITHOUT A SHOWER (TCNA COM2 AREAS), PROVIDE 5/8" UNO MOISTURE AND MOLD RESISTANT GYPSUM BOARD COMPLYING WITH ASTM C1396 FOR WALLS AND BEHIND TILE.
 - AT WET AREAS INCLUDING BUT NOT LIMITED TO SHOWERS, STERILE PROCESSING ROOMS, JANITOR CLOSETS, SAUNAS, AND SWIMMING POOLS (TCNA COM3/4 AREAS), PROVIDE:
 - AT TILE AND WALL PROTECTION LOCATIONS: PROVIDE 5/8" UNO COATED GLASS-MAT FACED WATER-RESISTANT GYPSUM WALLBOARD COMPLYING WITH ASTM C1178 OR 5/8" UNO CEMENT BACKER BOARD COMPLYING WITH ASTM C1325
 - AT PAINTED GYPSUM BOARD LOCATIONS (INCLUDING CEILING): PROVIDE 5/8" UNO TYPE "X" MOISTURE AND MOLD RESISTANT GYPSUM BOARD COMPLYING WITH ASTM C1396
- PROVIDE RATED ENCLOSURES OR PUTTY PACKS AROUND ALL OUTLETS, BOXES, CABINETS, PIPING, DUCTWORK, ETC., THAT ARE RECESSED IN FIRE-RATED WALLS. ENCLOSE TO PROVIDE SAME RATING AS THE WALL WHERE IT IS LOCATED. SEE SHEET DETAILS ON THE A7 SHEETS.
- DOORS SHALL BE LOCATED 4" FROM ADJACENT PERPENDICULAR WALL TO THE INSIDE EDGE OF THE DOOR FRAME, UNO. SEE DOOR DETAILS ON THE A8 SHEETS.
- J-BOXES SHOWN BACK-TO-BACK MAY BE ADJUSTED TO OFFSET THE BOXES WITH APPROVAL FROM THE ARCHITECT. SEE DETAILS ON THE A7 SHEETS.
- HIGHEST PRIORITY PARTITIONS ARE LISTED FIRST IN THE PARTITION LEGENDS. SUBSEQUENT PARTITIONS DECREASE IN PRIORITY. HIGHER PRIORITY WALLS TAKES PRECEDENCE, SEE WALL PRIORITY DETAILS ON A7 SHEETS.
- EXISTING PARTITIONS APPEAR AS 'HALF-TONE' ON PLANS. GC TO PROVIDE BACKING AT ALL WALL-MOUNTED ACCESSORIES AND EQUIPMENT. SEE SHEET A-A7.20. PROVIDE A BACKING PLAN FOR REVIEW.
- GC TO COORDINATE ALL VENDOR PROVIDED DRAWINGS WITH ALL TRADES PRIOR TO INSTALLATION.
- GC TO COORDINATE FINAL LAYOUT OF PT AND X-RAY EQUIPMENT WITH ALL TRADES.
- ALL WINDOW SILLS TO BE SOLID SURFACE. REF. DETAIL 12/B-A7.20

PARTITION GRAPHIC LEGEND

- SEE PARTITION TYPES, SHEET A7.10

GRAPHIC	DESCRIPTION	TYPE
	1 HOUR FIRE BARRIER / SHAFT	1Sa
	1 HOUR FIRE BARRIER	1Aa
	SMOKE PARTITION	0Aa
	SOUND PARTITION	0Ac
	BRACED PARTITION	0Ba
	FURRING PARTITION	0Fa

POWER OUTLET LEGEND

SYMBOLS	
	DUPLX FLOOR OUTLET
	QUAD FLOOR OUTLET
DESIGNATIONS	
###"	INDICATES HEIGHT IN INCHES AFF TO OUTLET CENTERLINE. DEFAULT HEIGHT = 18" AFF TO CENTERLINE UNLESS TAGGED OTHERWISE. TYPICAL FOR ALL OUTLETS
R	RECESSED OUTLET (TYPE PER SYMBOL OR OTHER DESIGNATION)
D	DEDICATED OUTLET
208v	208 VOLT OUTLET
GFI	OUTLET W/ GROUND FAULT CIRCUIT INTERRUPT PROTECTION
EM	EMERGENCY OUTLET

DATA OUTLET LEGEND

SYMBOLS	
	<input checked="" type="checkbox"/> FLOOR DATA OUTLET
	<input checked="" type="checkbox"/> FLOOR PHONE OUTLET
	<input checked="" type="checkbox"/> FLOOR DATA/PHONE OUTLET

SPECIAL PURPOSE OUTLET LEGEND

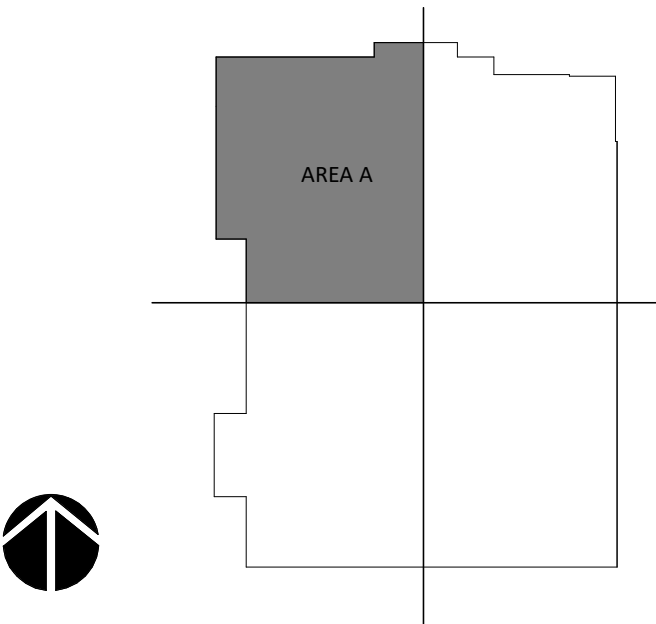
SYMBOLS	
	SPECIAL PURPOSE OUTLET
DESIGNATIONS	
TV	TV OUTLET
CR	CARD READER
DR	DOOR RELEASE BUTTON
PA	PANIC ALARM
SC	SECURITY CAMERA

MISCELLANEOUS ELECTRICAL LEGEND

\$ LIGHT SWITCH

SHIELDED PARTITIONS LEGEND

	LEAD LINED PARTITION: LINE INDICATES SIDE OF LEAD SHIELDING (GRAPHIC OR TAG INDICATES PARTITION TYPE)
	LEAD RATING (#/SF)



KEYPLAN - AREA A

1 FLOOR PLAN AREA PLAN - LEVEL 2 - AREA A
B-A2.10A 1/4" = 1'-0"



BOULDER ASSOCIATES

5646 MILTON STREET, SUITE 240
DALLAS, TEXAS 75206
214.420.5700

PROJECT 225462.00

IJRI - MEDICAL
CENTER

14065 BORG WARNER DRIVE
NOBLESVILLE, IN 46060

CONSTRUCTION
DOCUMENTS

DATE 2023.04.28

REVISIONS

#	DESCRIPTION	DATE
2	Addendum #2	2023.06.07



2023.06.07

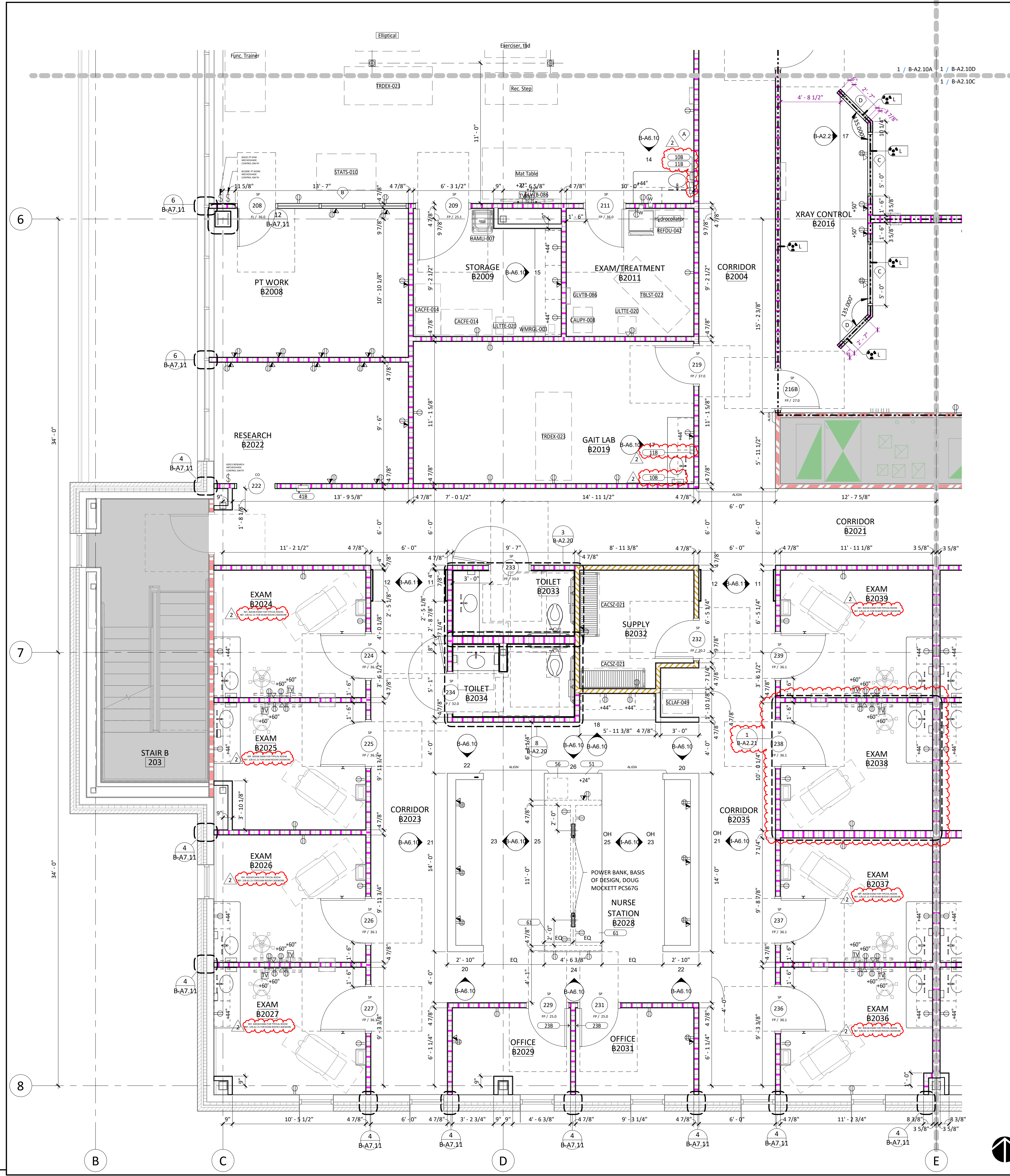
SHEET TITLE

FLOOR PLAN - LEVEL 2
AREA A

SHEET NUMBER

B-A2.10A

6/7/2023 1:07:38 PM
Autodesk Docs/125462.00 M2 Orthopedic Indiana B22/225462.00 A-A2 TL Second Floor.rvt
THIS DRAWING IS UNLESS OTHERWISE PRINTED TO FULL SCALE



1 FLOOR PLAN AREA PLAN - LEVEL 2 - AREA B
B-A2.10B 1/4" = 1'-0"

FLOOR PLAN GENERAL NOTES

- DIMENSIONS ARE TO FACE OF INTERIOR GYPSUM BOARD, TILE BACKER BOARD, FACE OF EXTERIOR WALL MATERIALS, STRUCTURAL GRIDS AND CENTERLINES WHERE INDICATED.
- ALL GYPSUM WALLBOARD TO BE 5/8" UNO TYPE 'X' EXCEPT AT THE FOLLOWING LOCATIONS:
 - AT RESTROOMS WITHOUT A SHOWER (TCNA COM2 AREAS), PROVIDE 5/8" UNO MOISTURE AND MOLD RESISTANT GYPSUM BOARD COMPLYING WITH ASTM C1396 FOR WALLS AND BEHIND TILE.
 - AT WET AREAS INCLUDING BUT NOT LIMITED TO SHOWERS, STERILE PROCESSING ROOMS, JANITOR CLOSETS, SAUNAS, AND SWIMMING POOLS (TCNA COM3/4 AREAS), PROVIDE:
 - AT TILE AND WALL PROTECTION LOCATIONS: PROVIDE 5/8" UNO COATED GLASS-MAT FACED WATER-RESISTANT GYPSUM WALLBOARD COMPLYING WITH ASTM C1178 OR 5/8" UNO CEMENT BACKER BOARD COMPLYING WITH ASTM C1325
 - AT PAINTED GYPSUM BOARD LOCATIONS (INCLUDING CEILING): PROVIDE 5/8" UNO TYPE 'X' MOISTURE AND MOLD RESISTANT GYPSUM BOARD COMPLYING WITH ASTM C1396
- PROVIDE RATED ENCLOSURES OR PUTTY PACKS AROUND ALL OUTLETS, BOXES, CABINETS, PIPING, DUCTWORK, ETC., THAT ARE RECESSED IN FIRE-RATED WALLS. ENCLOSE TO PROVIDE SAME RATING AS THE WALL WHERE IT IS LOCATED. SEE SHEET DETAILS ON THE A7 SHEETS.
- DOORS SHALL BE LOCATED 4" FROM ADJACENT PERPENDICULAR WALL TO THE INSIDE EDGE OF THE DOOR FRAME, UNO. SEE DOOR DETAILS ON THE A8 SHEETS.
- J-BOXES SHOWN BACK-TO-BACK MAY BE ADJUSTED TO OFFSET THE BOXES WITH APPROVAL FROM THE ARCHITECT. SEE DETAILS ON THE A7 SHEETS.
- HIGHEST PRIORITY PARTITIONS ARE LISTED FIRST IN THE PARTITION LEGENDS. SUBSEQUENT PARTITIONS DECREASE IN PRIORITY. HIGHER PRIORITY WALLS TAKES PRECEDENCE, SEE WALL PRIORITY DETAILS ON A7 SHEETS.
- EXISTING PARTITIONS APPEAR AS 'HALF-TONE' ON PLANS.
- GC TO PROVIDE BACKING AT ALL WALL-MOUNTED ACCESSORIES AND EQUIPMENT. SEE SHEET A-A7.20. PROVIDE A BACKING PLAN FOR REVIEW.
- GC TO COORDINATE ALL VENDOR PROVIDED DRAWINGS WITH ALL TRADES PRIOR TO INSTALLATION.
- GC TO COORDINATE FINAL LAYOUT OF PT AND X-RAY EQUIPMENT WITH ALL TRADES.

1. ALL WINDOW SILLS TO BE SOLID SURFACE. REF. DETAIL 12/B-A7.20

PARTITION GRAPHIC LEGEND

GRAPHIC	DESCRIPTION	TYPE
	1 HOUR FIRE BARRIER / SHAFT	1Sa
	1 HOUR FIRE BARRIER	1Aa
	SMOKE PARTITION	0Aa
	SOUND PARTITION	0Ac
	BRACED PARTITION	0Ba
	FURRING PARTITION	0Fa

POWER OUTLET LEGEND

SYMBOLS	
	DUPLX FLOOR OUTLET
	QUAD FLOOR OUTLET
DESIGNATIONS	
+###"	INDICATES HEIGHT IN INCHES AFF TO OUTLET CENTERLINE. DEFAULT HEIGHT = 18" AFF TO CENTERLINE UNLESS TAGGED OTHERWISE. TYPICAL FOR ALL OUTLETS
R	RECESSED OUTLET (TYPE PER SYMBOL OR OTHER DESIGNATION)
D	DEDICATED OUTLET
208v	208 VOLT OUTLET
GFI	OUTLET W/ GROUND FAULT CIRCUIT INTERRUPT PROTECTION
EM	EMERGENCY OUTLET

DATA OUTLET LEGEND

SYMBOLS	
	FLOOR DATA OUTLET
	FLOOR PHONE OUTLET
	FLOOR DATA/PHONE OUTLET

SPECIAL PURPOSE OUTLET LEGEND

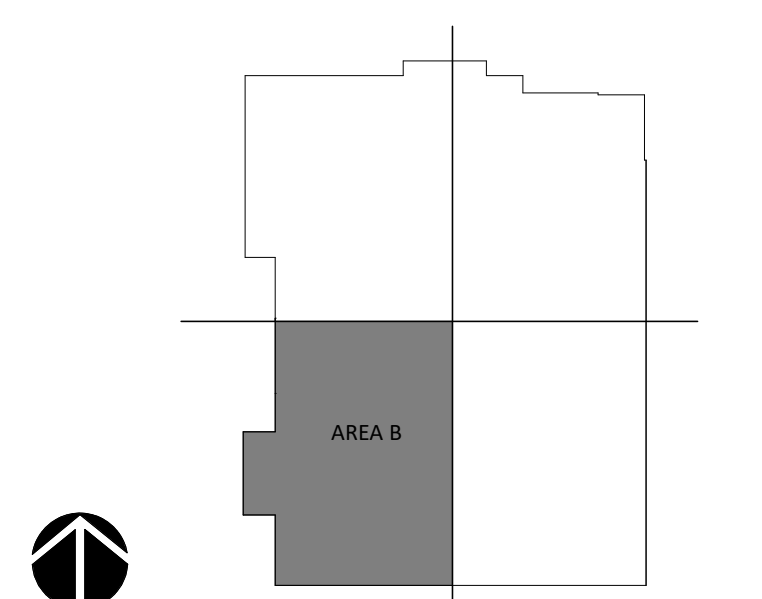
SYMBOLS	
	SPECIAL PURPOSE OUTLET
DESIGNATIONS	
TV	TV OUTLET
CR	CARD READER
DR	DOOR RELEASE BUTTON
PA	PANIC ALARM
SC	SECURITY CAMERA

MISCELLANEOUS ELECTRICAL LEGEND


	LIGHT SWITCH
--	--------------

SHIELDED PARTITIONS LEGEND

	LEAD LINED PARTITION: LINE INDICATES SIDE OF LEAD SHIELDING (GRAPHIC OR TAG INDICATES PARTITION TYPE)
	LEAD RATING (#/SF)



KEYPLAN - AREA B



BOULDER ASSOCIATES

5646 MILTON STREET, SUITE 240
DALLAS, TEXAS 75206
214.420.5700

PROJECT 225462.00

IJRI - MEDICAL CENTER

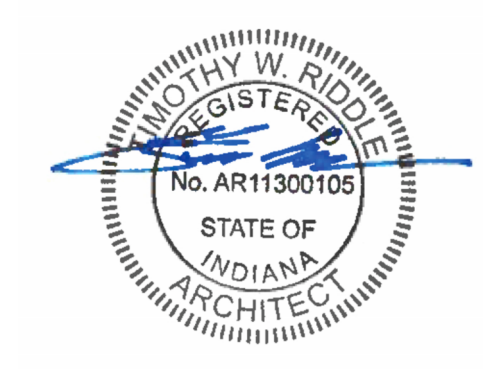
14065 BORG WARNER DRIVE
NOBLESVILLE, IN 46060

CONSTRUCTION DOCUMENTS

DATE 2023.04.28

REVISIONS

#	DESCRIPTION	DATE
2	Addendum #2	2023.06.07



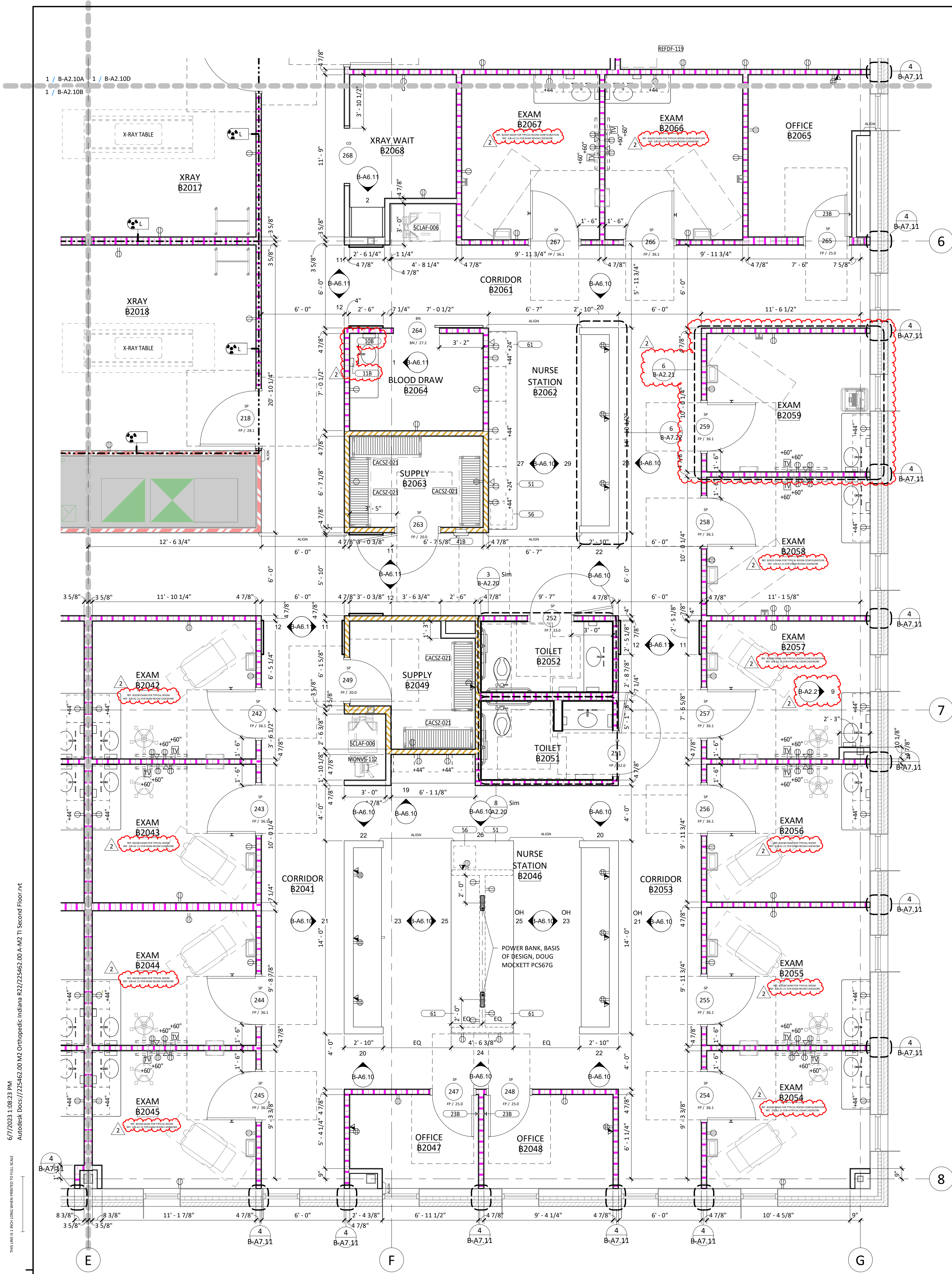
2023.06.07

SHEET TITLE

**FLOOR PLAN - LEVEL 2
AREA B**

SHEET NUMBER

B-A2.10B



FLOOR PLAN GENERAL NOTES

- DIMENSIONS ARE TO FACE OF INTERIOR GYPSUM BOARD, TILE BACKER BOARD, FACE OF EXTERIOR WALL MATERIALS, STRUCTURAL GRIDS AND CENTERLINES WHERE INDICATED.
- ALL GYPSUM WALLBOARD TO BE 5/8" UNO TYPE "X" EXCEPT AT THE FOLLOWING LOCATIONS:
 - AT RESTROOMS WITHOUT A SHOWER (TCNA COM2 AREAS), PROVIDE 5/8" UNO MOISTURE AND MOLD RESISTANT GYPSUM BOARD COMPLYING WITH ASTM C1396 FOR WALLS AND BEHIND TILE.
 - AT WET AREAS INCLUDING BUT NOT LIMITED TO SHOWERS, STERILE PROCESSING ROOMS, JANITOR CLOSETS, SAUNAS, AND SWIMMING POOLS (TCNA COM3/4 AREAS), PROVIDE:
 - AT TILE AND WALL PROTECTION LOCATIONS: PROVIDE 5/8" UNO COATED GLASS-MAT FACED WATER-RESISTANT GYPSUM WALLBOARD COMPLYING WITH ASTM C1178 OR 5/8" UNO CEMENT BACKER BOARD COMPLYING WITH ASTM C1325
 - AT PAINTED GYPSUM BOARD LOCATIONS (INCLUDING CEILING): PROVIDE 5/8" UNO TYPE "X" MOISTURE AND MOLD RESISTANT GYPSUM BOARD COMPLYING WITH ASTM C1396
- PROVIDE RATED ENCLOSURES OR PUTTY PACKS AROUND ALL OUTLETS, BOXES, CABINETS, PIPING, DUCTWORK, ETC., THAT ARE RECESSED IN FIRE-RATED WALLS. ENCLOSE TO PROVIDE SAME RATING AS THE WALL WHERE IT IS LOCATED. SEE SHEET DETAILS ON THE A7 SHEETS.
- DOORS SHALL BE LOCATED 4" FROM ADJACENT PERPENDICULAR WALL TO THE INSIDE EDGE OF THE DOOR FRAME, UNO. SEE DOOR DETAILS ON THE A8 SHEETS.
- J-BOXES SHOWN BACK-TO-BACK MAY BE ADJUSTED TO OFFSET THE BOXES WITH APPROVAL FROM THE ARCHITECT. SEE DETAILS ON THE A7 SHEETS.
- HIGHEST PRIORITY PARTITIONS ARE LISTED FIRST IN THE PARTITION LEGENDS. SUBSEQUENT PARTITIONS DECREASE IN PRIORITY. HIGHER PRIORITY WALLS TAKES PRECEDENCE, SEE WALL PRIORITY DETAILS ON A7 SHEETS.
- EXISTING PARTITIONS APPEAR AS "WALL-TONE" ON PLANS.
- GC TO PROVIDE BACKING AT ALL WALL-MOUNTED ACCESSORIES AND EQUIPMENT. SEE SHEET A-A7.20. PROVIDE A BACKING PLAN FOR REVIEW.
- GC TO COORDINATE ALL VENDOR PROVIDED DRAWINGS WITH ALL TRADES PRIOR TO INSTALLATION.
- GC TO COORDINATE FINAL LAYOUT OF PT AND X-RAY EQUIPMENT WITH ALL TRADES.
- ALL WINDOW SILLS TO BE SOLID SURFACE. REF. DETAIL 12/B-A7.20

PARTITION GRAPHIC LEGEND

GRAPHIC	DESCRIPTION	TYPE
	1 HOUR FIRE BARRIER / SHAFT	1Sa
	1 HOUR FIRE BARRIER	1Aa
	SMOKE PARTITION	0Aa
	SOUND PARTITION	0Ac
	BRACED PARTITION	0Ba
	FURRING PARTITION	0Fa

POWER OUTLET LEGEND

SYMBOLS	
	DUPLUX FLOOR OUTLET
	QUAD FLOOR OUTLET
DESIGNATIONS	
###	INDICATES HEIGHT IN INCHES AFF TO OUTLET CENTERLINE. DEFAULT HEIGHT = 18" AFF TO CENTERLINE UNLESS TAGGED OTHERWISE. TYPICAL FOR ALL OUTLETS
R	RECESSED OUTLET (TYPE PER SYMBOL OR OTHER DESIGNATION)
D	DEDICATED OUTLET
208v	208 VOLT OUTLET
GFI	OUTLET W/ GROUND FAULT CIRCUIT INTERRUPT PROTECTION
EM	EMERGENCY OUTLET

DATA OUTLET LEGEND

SYMBOLS	
	<input checked="" type="checkbox"/> FLOOR DATA OUTLET
	<input checked="" type="checkbox"/> FLOOR PHONE OUTLET
	<input checked="" type="checkbox"/> FLOOR DATA/PHONE OUTLET

SPECIAL PURPOSE OUTLET LEGEND

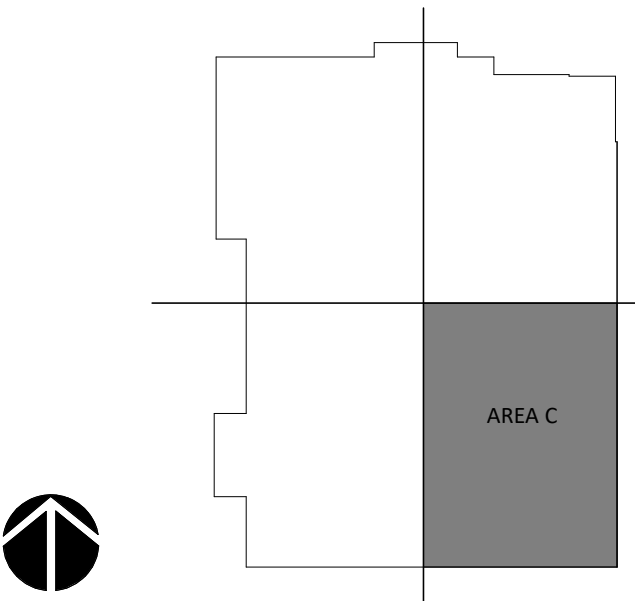
SYMBOLS	
	SPECIAL PURPOSE OUTLET
DESIGNATIONS	
TV	TV OUTLET
CR	CARD READER
DR	DOOR RELEASE BUTTON
PA	PANIC ALARM
SC	SECURITY CAMERA

MISCELLANEOUS ELECTRICAL LEGEND

	LIGHT SWITCH
--	--------------

SHIELDED PARTITIONS LEGEND

	LEAD LINED PARTITION: LINE INDICATES SIDE OF LEAD SHIELDING (GRAPHIC OR TAG INDICATES PARTITION TYPE)
	LEAD RATING (#/SF)



KEYPLAN - AREA C



1 FLOOR PLAN AREA PLAN - LEVEL 2 - AREA C
B-A2.10C 1/4" = 1'-0"



BOULDER ASSOCIATES

5646 MILTON STREET, SUITE 240
DALLAS, TEXAS 75206
214.420.5700

PROJECT 225462.00

IJRI - MEDICAL CENTER

14065 BORG WARNER DRIVE
NOBLESVILLE, IN 46060

CONSTRUCTION DOCUMENTS

DATE 2023.04.28

REVISIONS

#	DESCRIPTION	DATE
2	Addendum #2	2023.06.07



2023.06.07

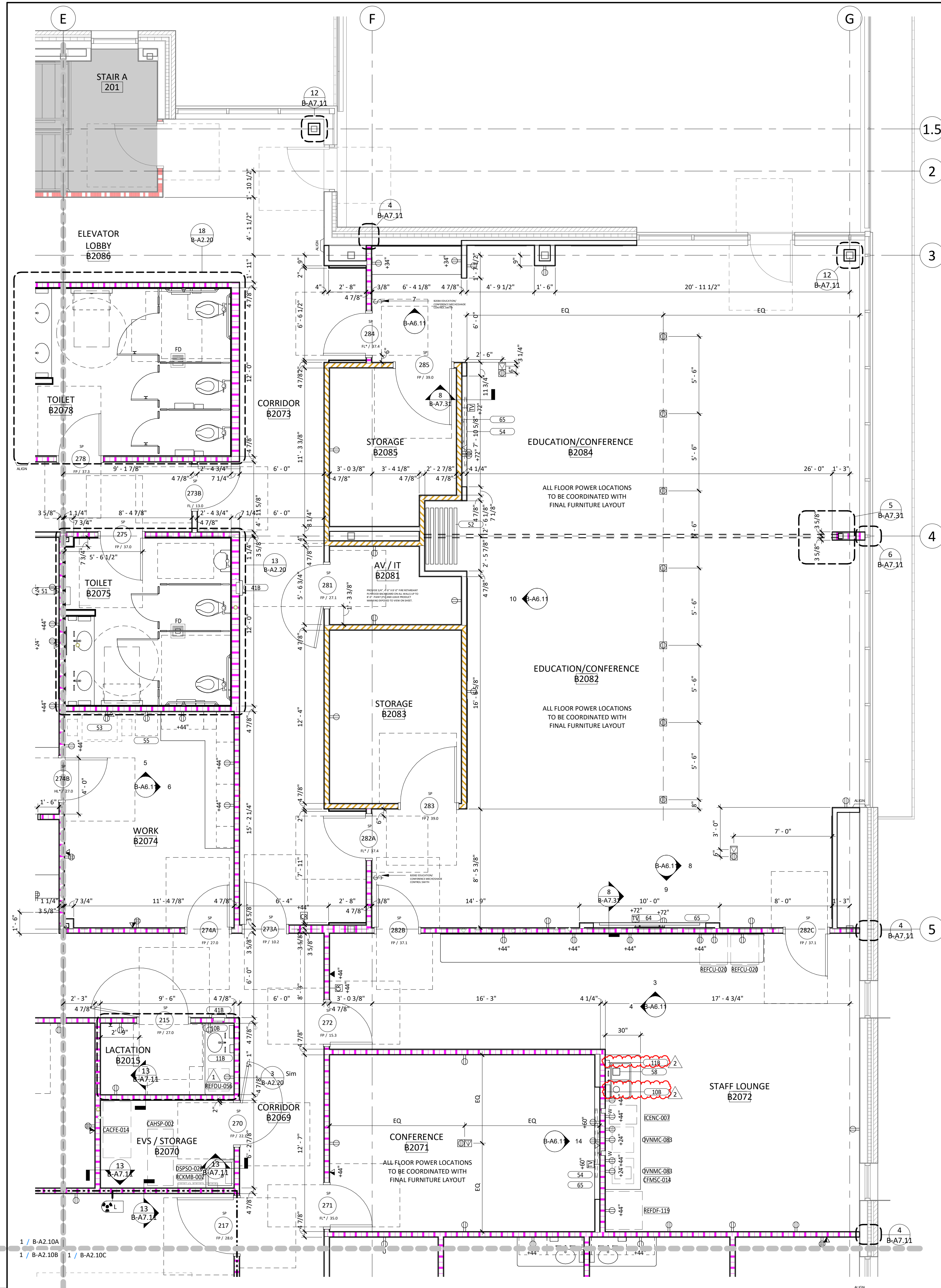
SHEET TITLE

FLOOR PLAN - LEVEL 2
AREA C

SHEET NUMBER

B-A2.10C

6/7/2023 1:08:29 PM
Autodesk Docs\725462.00 M2 Orthopedic Indiana R22\225462.00 A-A2 TL Second Floor.rvt
THIS DRAWING IS UNLESS OTHERWISE PRINTED TO FULL SCALE



1 FLOOR PLAN AREA PLAN - LEVEL 2 - AREA D
B-A2.10D 1/4" = 1'-0"

FLOOR PLAN GENERAL NOTES

- DIMENSIONS ARE TO FACE OF INTERIOR GYPSUM BOARD, TILE BACKER BOARD, FACE OF EXTERIOR WALL MATERIALS, STRUCTURAL GRIDS AND CENTERLINES WHERE INDICATED.
- ALL GYPSUM WALLBOARD TO BE 5/8" UNO TYPE "X" EXCEPT AT THE FOLLOWING LOCATIONS:
 - AT RESTROOMS WITHOUT A SHOWER (TCNA COM2 AREAS), PROVIDE 5/8" UNO MOISTURE AND MOLD RESISTANT GYPSUM BOARD COMPLYING WITH ASTM C1396 FOR WALLS AND BEHIND TILE.
 - AT WET AREAS INCLUDING BUT NOT LIMITED TO SHOWERS, STERILE PROCESSING ROOMS, JANITOR CLOSETS, SAUNAS, AND SWIMMING POOLS (TCNA COM3/4 AREAS), PROVIDE:
 - AT TILE AND WALL PROTECTION LOCATIONS: PROVIDE 5/8" UNO COATED GLASS-MAT FACED WATER-RESISTANT GYPSUM WALLBOARD COMPLYING WITH ASTM C1178 OR 5/8" UNO CEMENT BACKER BOARD COMPLYING WITH ASTM C1325
 - AT PAINTED GYPSUM BOARD LOCATIONS (INCLUDING CEILING): PROVIDE 5/8" UNO TYPE "X" MOISTURE AND MOLD RESISTANT GYPSUM BOARD COMPLYING WITH ASTM C1396
- PROVIDE RATED ENCLOSURES OR PUTTY PACKS AROUND ALL OUTLETS, BOXES, CABINETS, PIPING, DUCTWORK, ETC., THAT ARE RECESSED IN FIRE-RATED WALLS. ENCLOSE TO PROVIDE SAME RATING AS THE WALL WHERE IT IS LOCATED. SEE SHEET DETAILS ON THE A7 SHEETS.
- DOORS SHALL BE LOCATED 4" FROM ADJACENT PERPENDICULAR WALL TO THE INSIDE EDGE OF THE DOOR FRAME, UNO. SEE DOOR DETAILS ON THE A8 SHEETS.
- J-BOXES SHOWN BACK-TO-BACK MAY BE ADJUSTED TO OFFSET THE BOXES WITH APPROVAL FROM THE ARCHITECT. SEE DETAILS ON THE A7 SHEETS.
- HIGHEST PRIORITY PARTITIONS ARE LISTED FIRST IN THE PARTITION LEGENDS. SUBSEQUENT PARTITIONS DECREASE IN PRIORITY. HIGHER PRIORITY WALLS TAKES PRECEDENCE, SEE WALL PRIORITY DETAILS ON A7 SHEETS.
- EXISTING PARTITIONS APPEAR AS "WALL-TONE" ON PLANS. GC TO PROVIDE BACKING AT ALL WALL-MOUNTED ACCESSORIES AND EQUIPMENT. SEE SHEET A-A7.20. PROVIDE A BACKING PLAN FOR REVIEW.
- GC TO COORDINATE ALL VENDOR PROVIDED DRAWINGS WITH ALL TRADES PRIOR TO INSTALLATION.
- GC TO COORDINATE FINAL LAYOUT OF PT AND X-RAY EQUIPMENT WITH ALL TRADES.
- ALL WINDOW SILLS TO BE SOLID SURFACE. REF. DETAIL 12/B-A7.20**

PARTITION GRAPHIC LEGEND

GRAPHIC	DESCRIPTION	TYPE
	1 HOUR FIRE BARRIER / SHAFT	1Sa
	1 HOUR FIRE BARRIER	1Aa
	SMOKE PARTITION	0Aa
	SOUND PARTITION	0Ac
	BRACED PARTITION	0Ba
	FURRING PARTITION	0Fa

POWER OUTLET LEGEND

SYMBOLS	
	DUPLEX OUTLET
	QUAD OUTLET
	DUPLEX FLOOR OUTLET
	QUAD FLOOR OUTLET
DESIGNATIONS	
+###" INDICATES HEIGHT IN INCHES AFF TO OUTLET CENTERLINE. DEFAULT HEIGHT = 18" AFF TO CENTERLINE UNLESS TAGGED OTHERWISE. TYPICAL FOR ALL OUTLETS	
R	RECESSED OUTLET (TYPE PER SYMBOL OR OTHER DESIGNATION)
D	DEDICATED OUTLET
208v	208 VOLT OUTLET
GFI	OUTLET W/ GROUND FAULT CIRCUIT INTERRUPT PROTECTION
EM	EMERGENCY OUTLET

DATA OUTLET LEGEND

SYMBOLS	
	DATA OUTLET
	PHONE OUTLET
	DATA/PHONE OUTLET
	FLOOR DATA OUTLET
	FLOOR PHONE OUTLET
	FLOOR DATA/PHONE OUTLET

SPECIAL PURPOSE OUTLET LEGEND

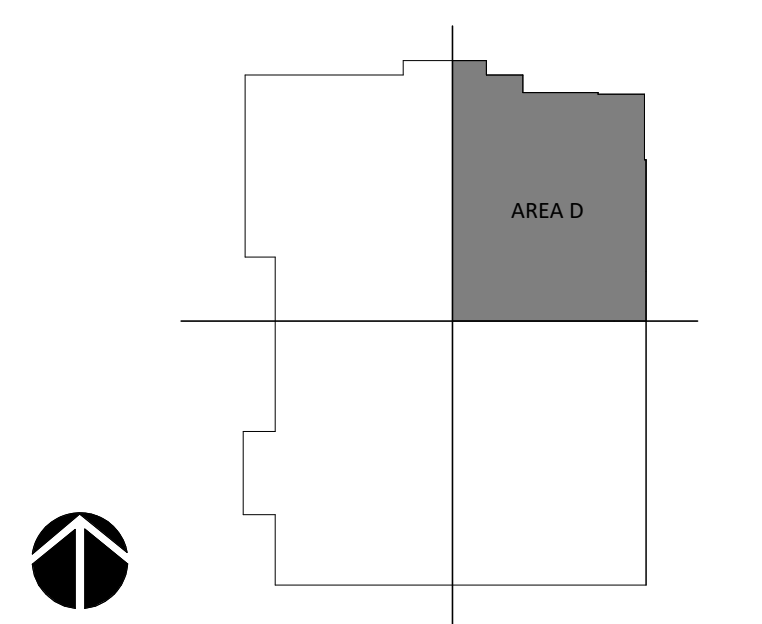
SYMBOLS	
	SPECIAL PURPOSE OUTLET
DESIGNATIONS	
TV	TV OUTLET
CR	CARD READER
DR	DOOR RELEASE BUTTON
PA	PANIC ALARM
SC	SECURITY CAMERA

MISCELLANEOUS ELECTRICAL LEGEND

	LIGHT SWITCH
--	--------------

SHIELDED PARTITIONS LEGEND

	LEAD LINED PARTITION: LINE INDICATES SIDE OF LEAD SHIELDING (GRAPHIC OR TAG INDICATES PARTITION TYPE)
	LEAD RATING (#/SF)



KEYPLAN - AREA D

BA
BOULDER ASSOCIATES
5646 MILTON STREET, SUITE 240
DALLAS, TEXAS 75206
214.420.5700

PROJECT 225462.00

IJRI - MEDICAL CENTER

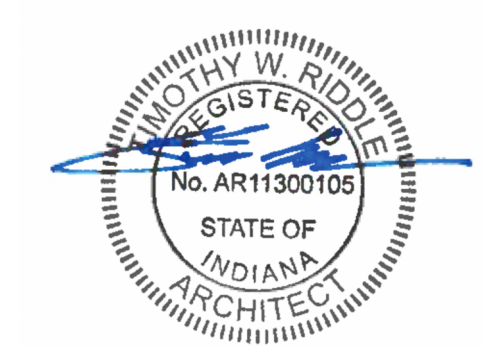
14065 BORG WARNER DRIVE
NOBLESVILLE, IN 46060

CONSTRUCTION DOCUMENTS

DATE 2023.04.28

REVISIONS

#	DESCRIPTION	DATE
1	Addendum #1	2023.05.23
2	Addendum #2	2023.06.07



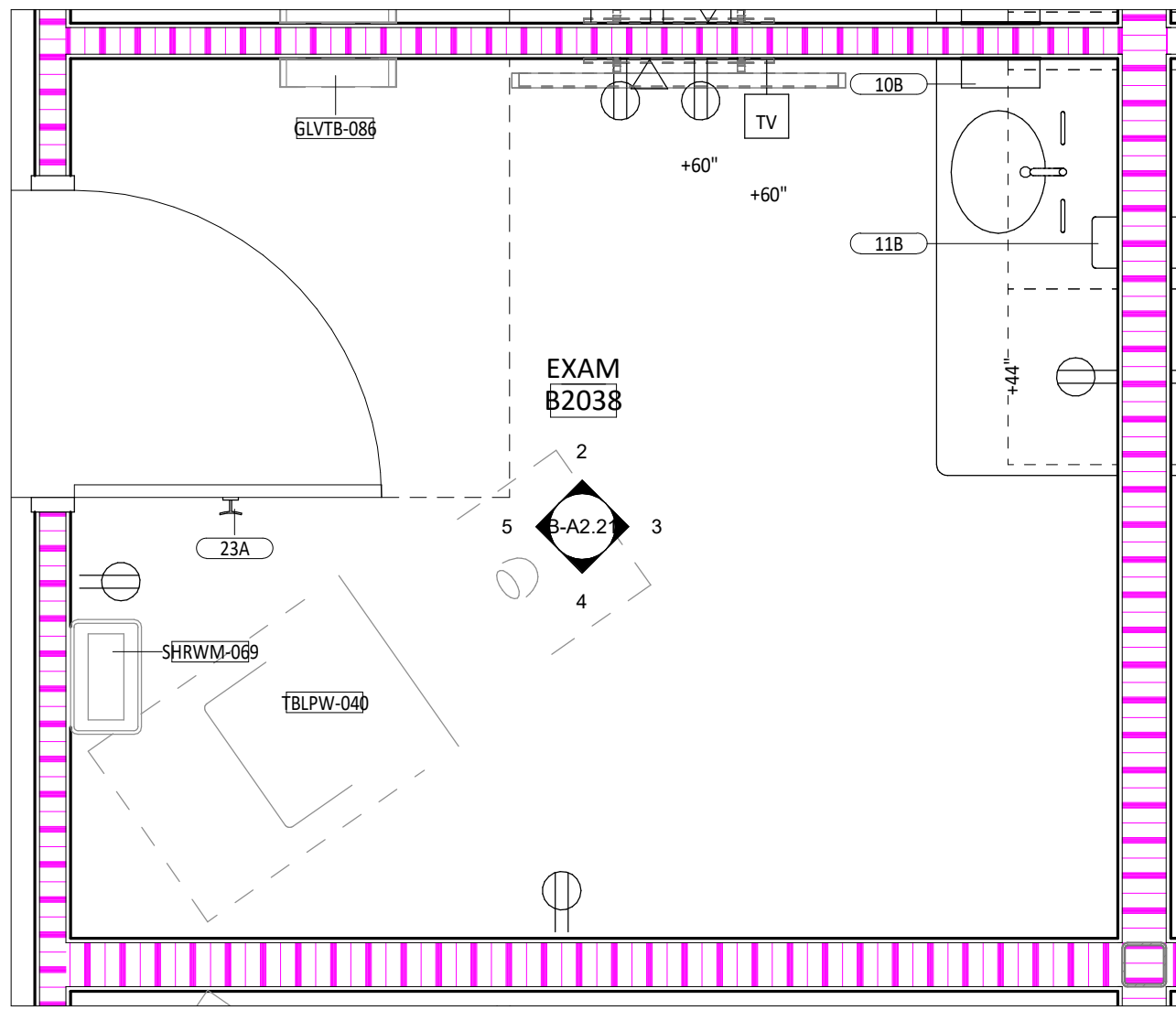
2023.06.07

SHEET TITLE

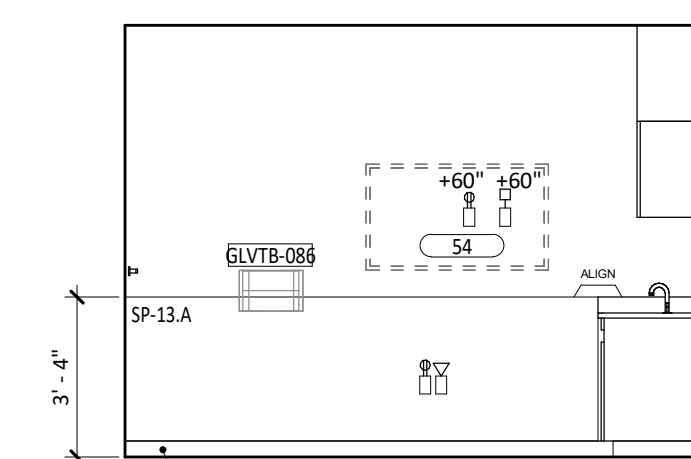
**FLOOR PLAN - LEVEL 2
AREA D**

SHEET NUMBER

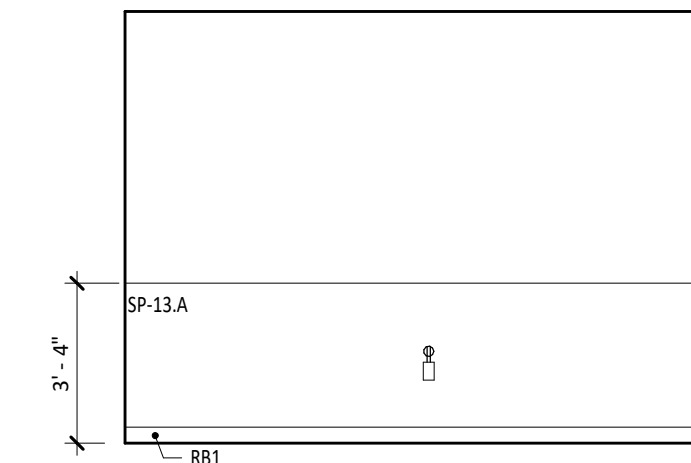
B-A2.10D



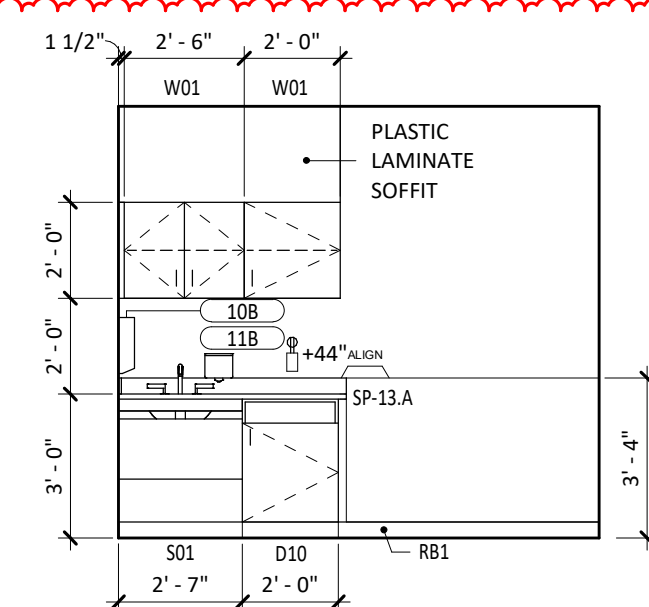
1 EXAM ROOM TYPE A
B-A2.10B | B-A2.21 1/2" = 1'-0"



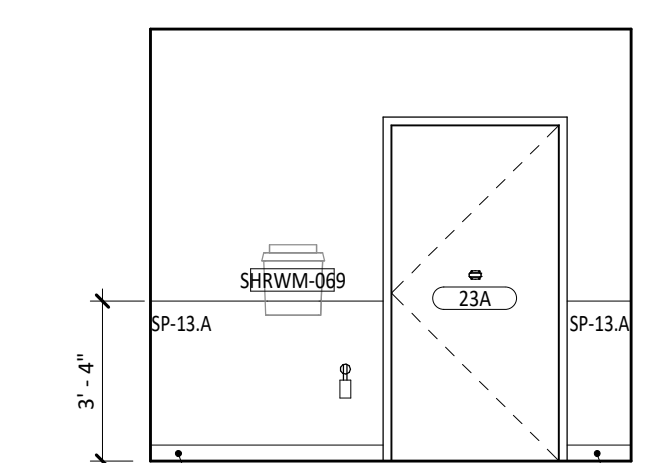
2 TYP. EXAM MONITOR WALL
B-A2.10C | B-A2.21 1/4" = 1'-0"



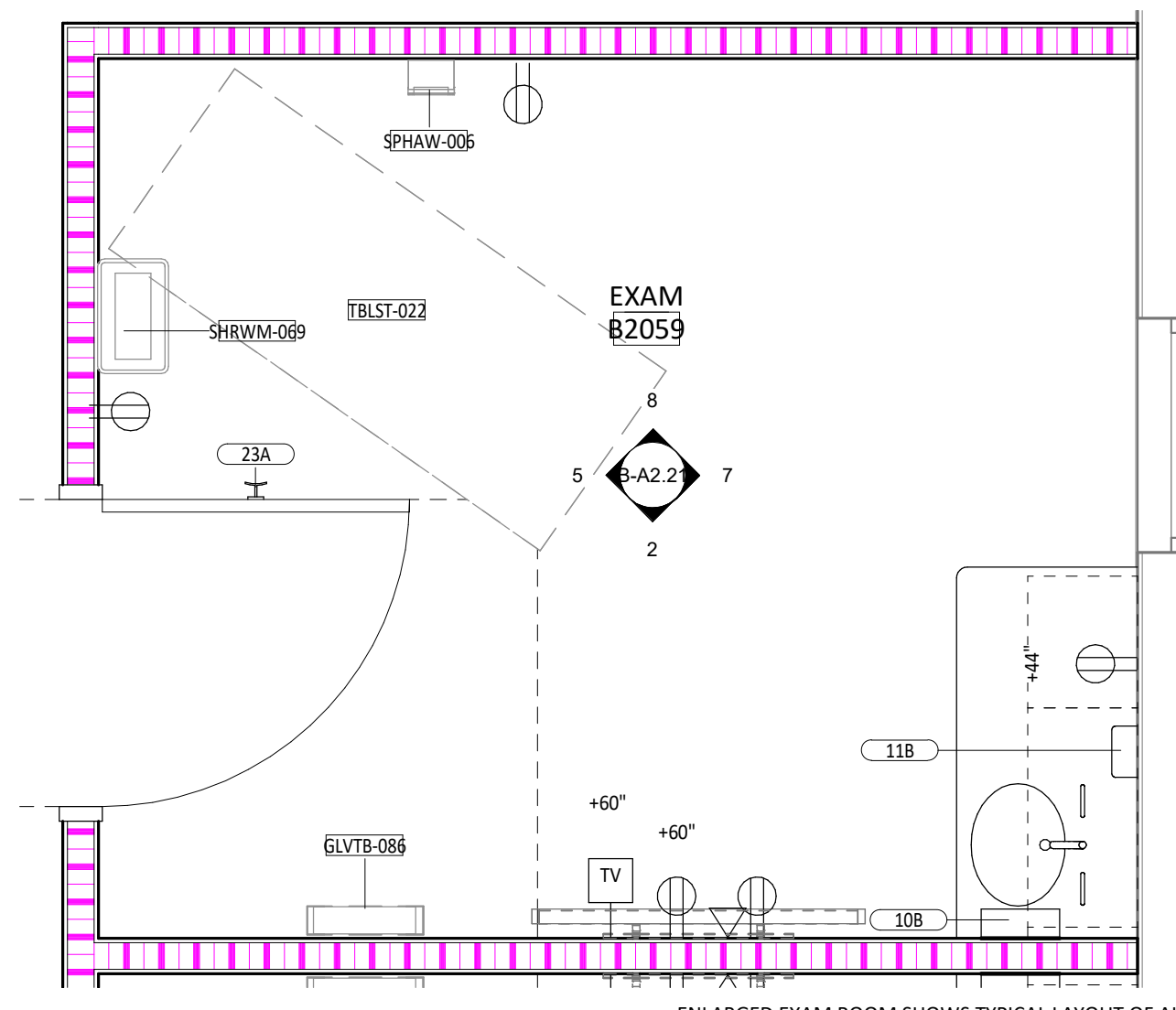
4 EXAM TYPE A HEADWALL
B-A2.10C | B-A2.21 1/4" = 1'-0"



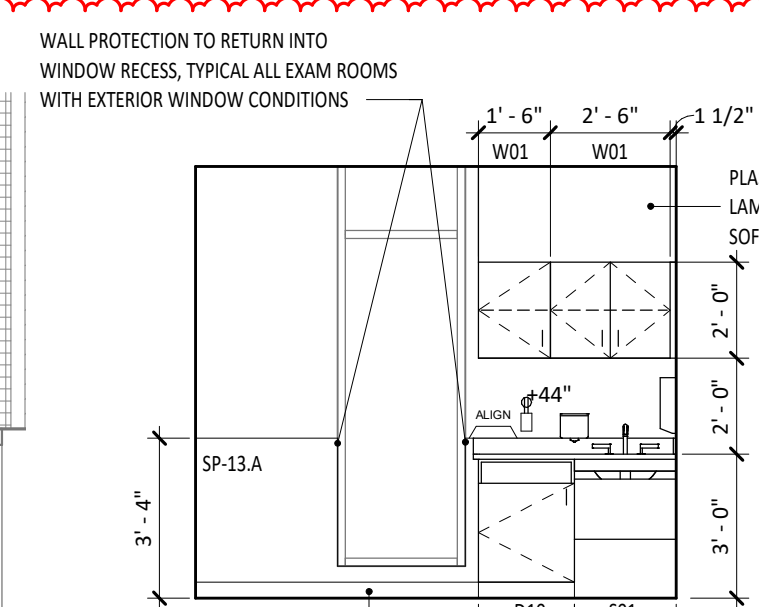
3 TYP. EXAM CASEWORK
B-A2.21 | B-A2.21 1/4" = 1'-0"



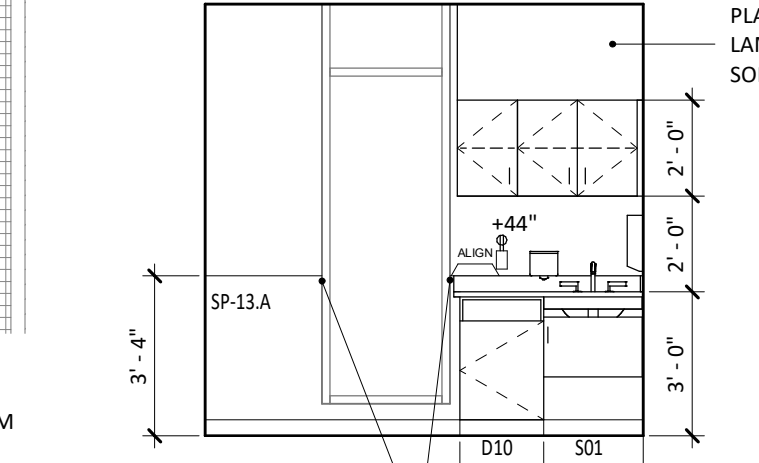
5 TYP. EXAM ENTRY
B-A2.21 | B-A2.21 1/4" = 1'-0"



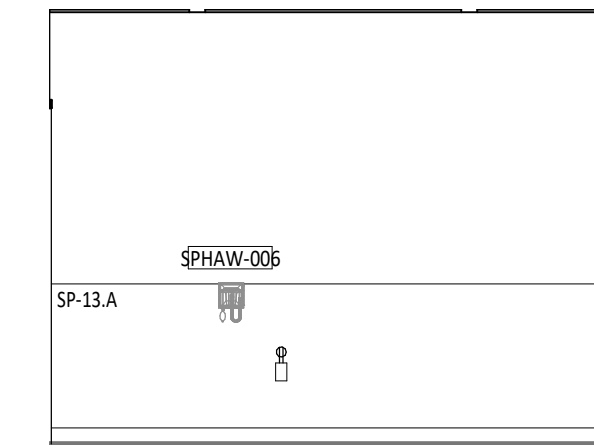
6 EXAM ROOM TYPE B
B-A2.10C | B-A2.21 1/2" = 1'-0"



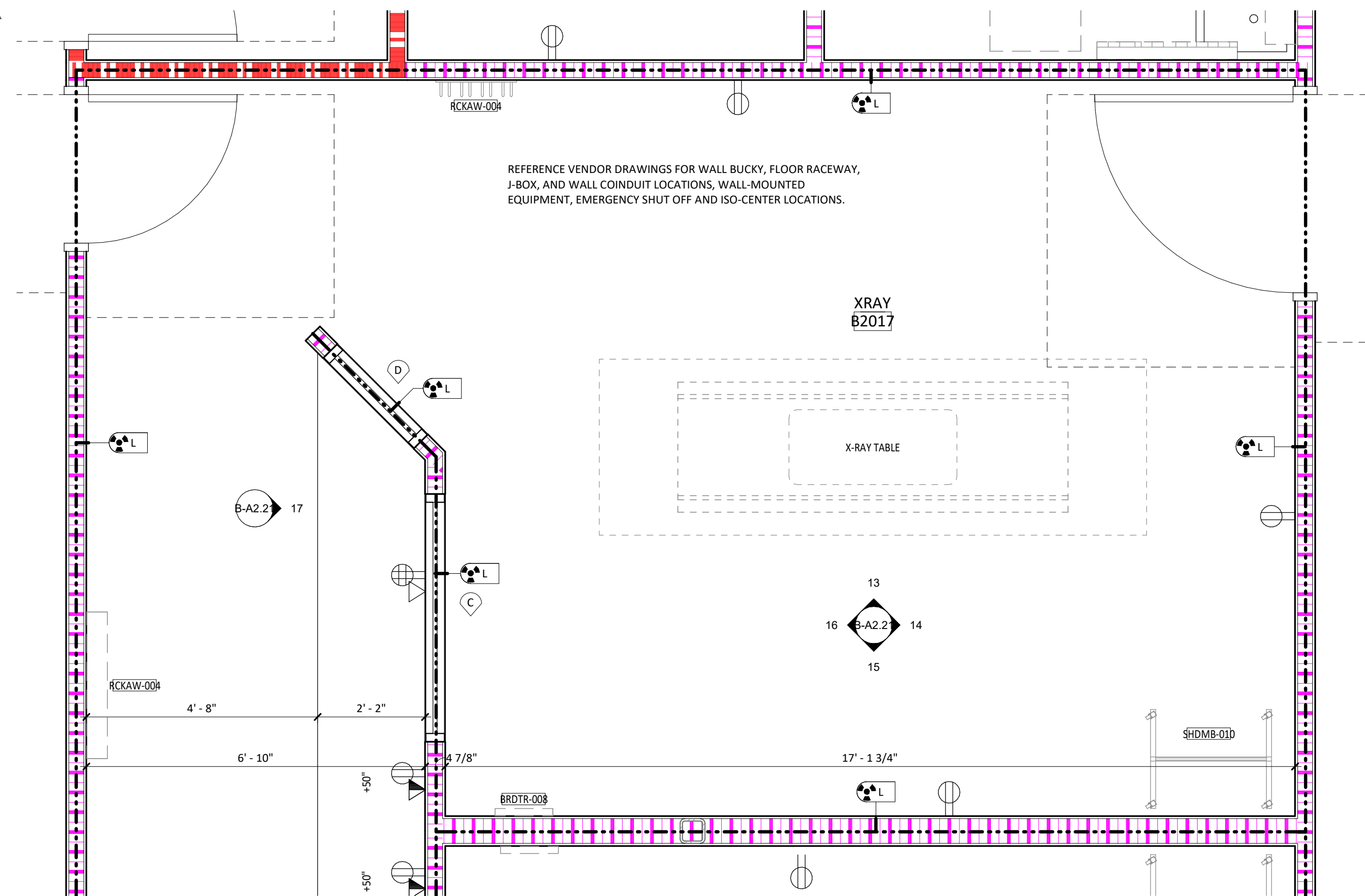
7 ATYPICAL EXAM CASEWORK 1
B-A2.21 | B-A2.21 1/4" = 1'-0"



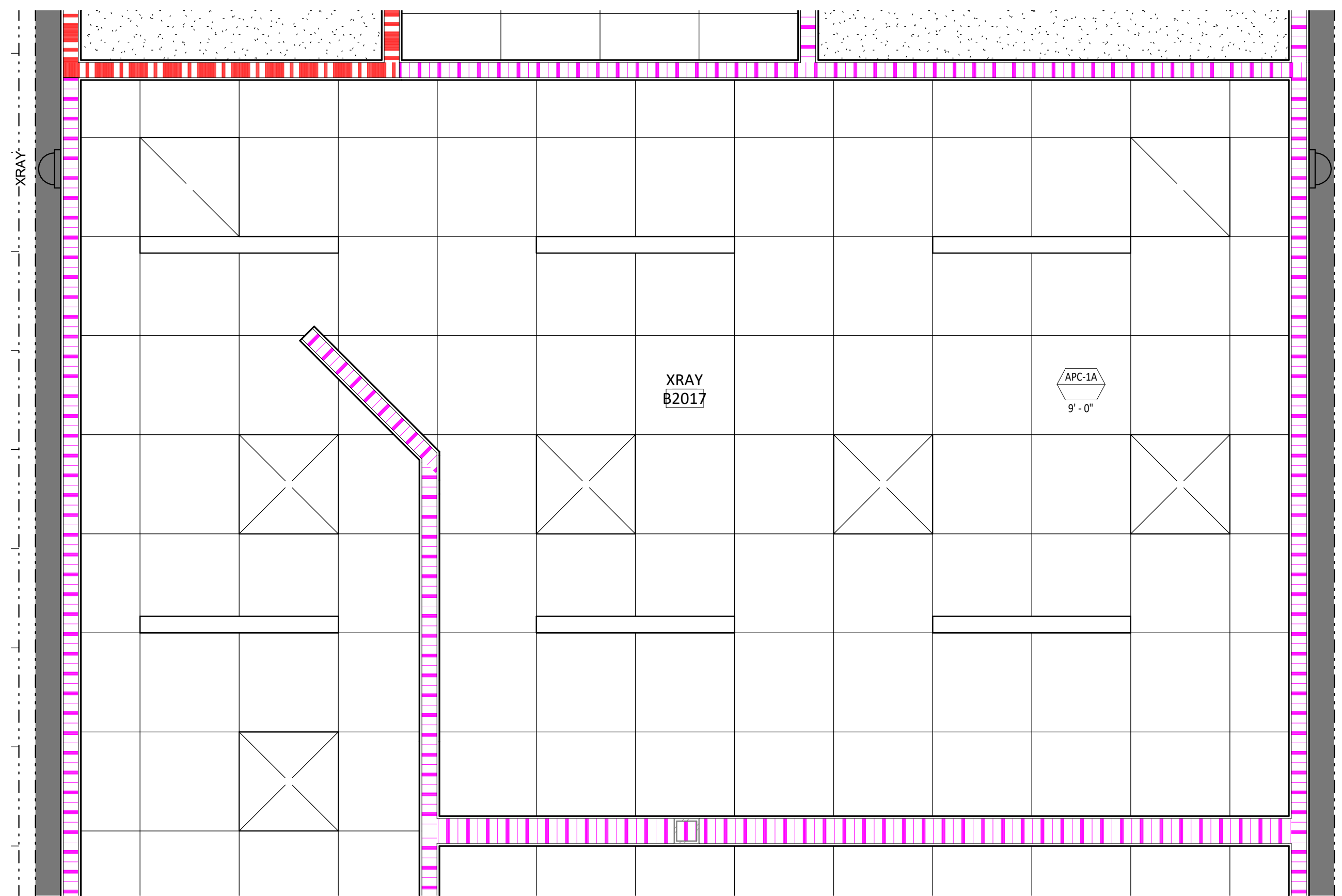
9 B2057 EXAM CASEWORK
B-A2.10C | B-A2.21 1/4" = 1'-0"



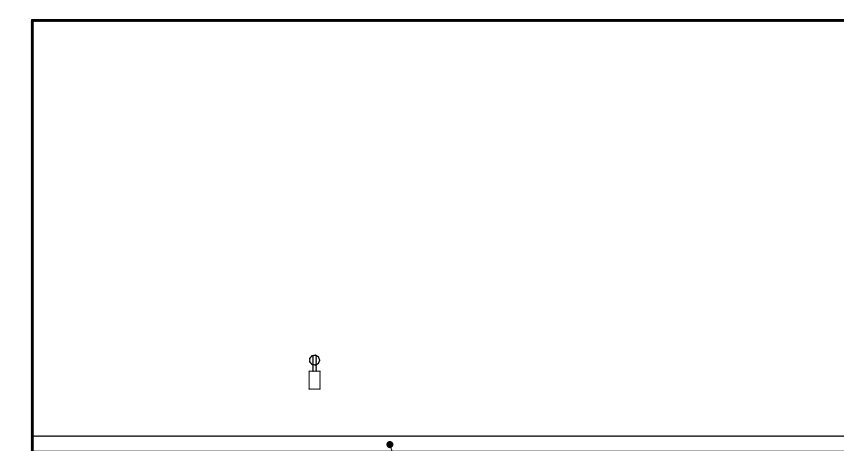
8 EXAM TYPE B HEADWALL
B-A2.21 | B-A2.21 1/4" = 1'-0"



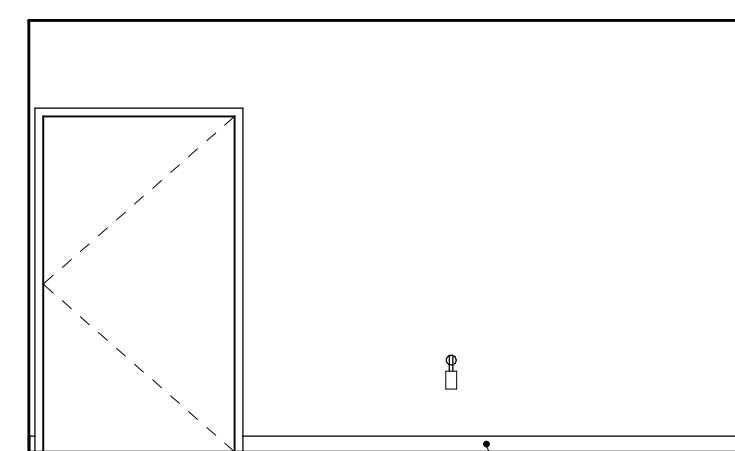
11 ENLARGED FLOOR PLAN - X-RAY 2017/2018
B-A2.21 1/2" = 1'-0"



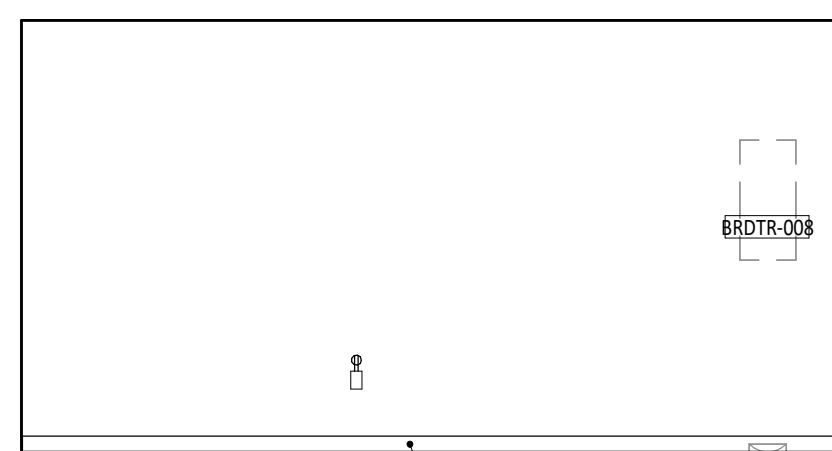
12 ENLARGED RCP - X-RAY 2017/2018
B-A2.21 1/2" = 1'-0"



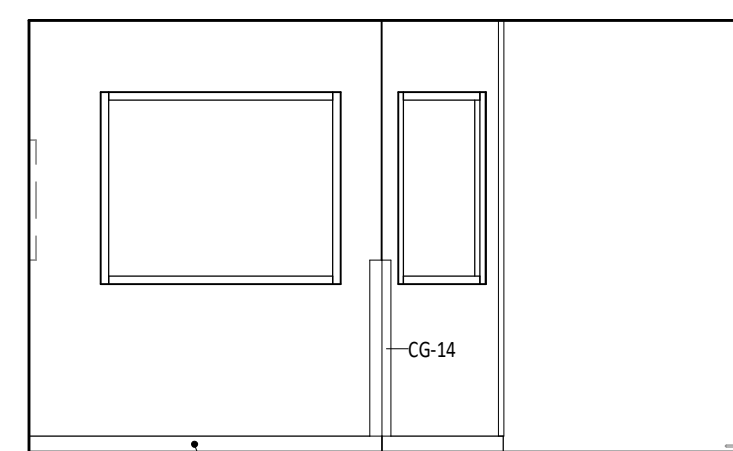
13 2017 XRAY (N)
B-A2.10A | B-A2.21 1/4" = 1'-0"



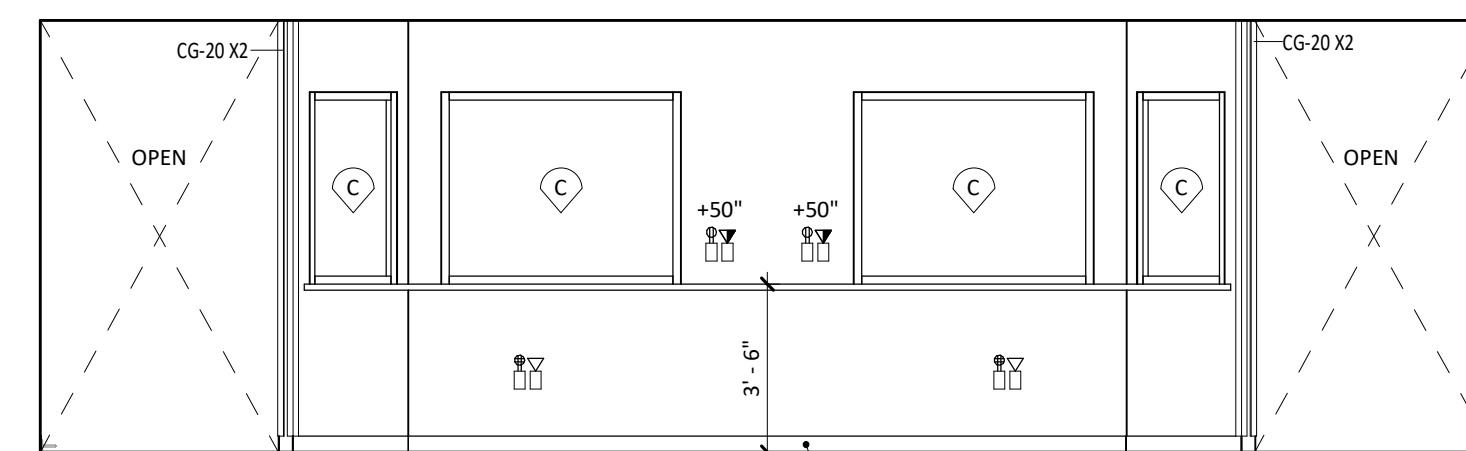
14 2017 XRAY (E)
B-A2.10A | B-A2.21 1/4" = 1'-0"



15 2017 XRAY (S)
B-A2.10A | B-A2.21 1/4" = 1'-0"



16 2017 XRAY (W)
B-A2.10A | B-A2.21 1/4" = 1'-0"



17 2016 XRAY CONTROL (E)
B-A2.10B | B-A2.21 1/4" = 1'-0"



BOULDER ASSOCIATES

5646 MILTON STREET, SUITE 240
DALLAS, TEXAS 75206
214.420.5700

PROJECT 225462.00

IJRI - MEDICAL CENTER

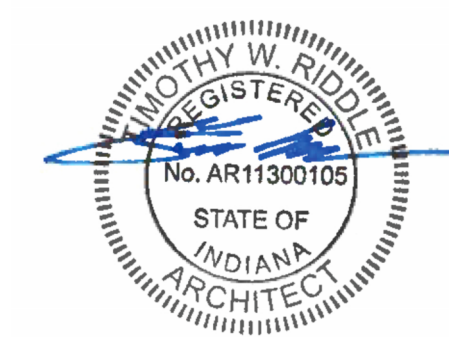
14065 BORG WARNER DRIVE
NOBLESVILLE, IN 46060

CONSTRUCTION DOCUMENTS

DATE 2023.04.28

REVISIONS

#	DESCRIPTION	DATE
2	Addendum #2	2023.06.07



2023.06.07

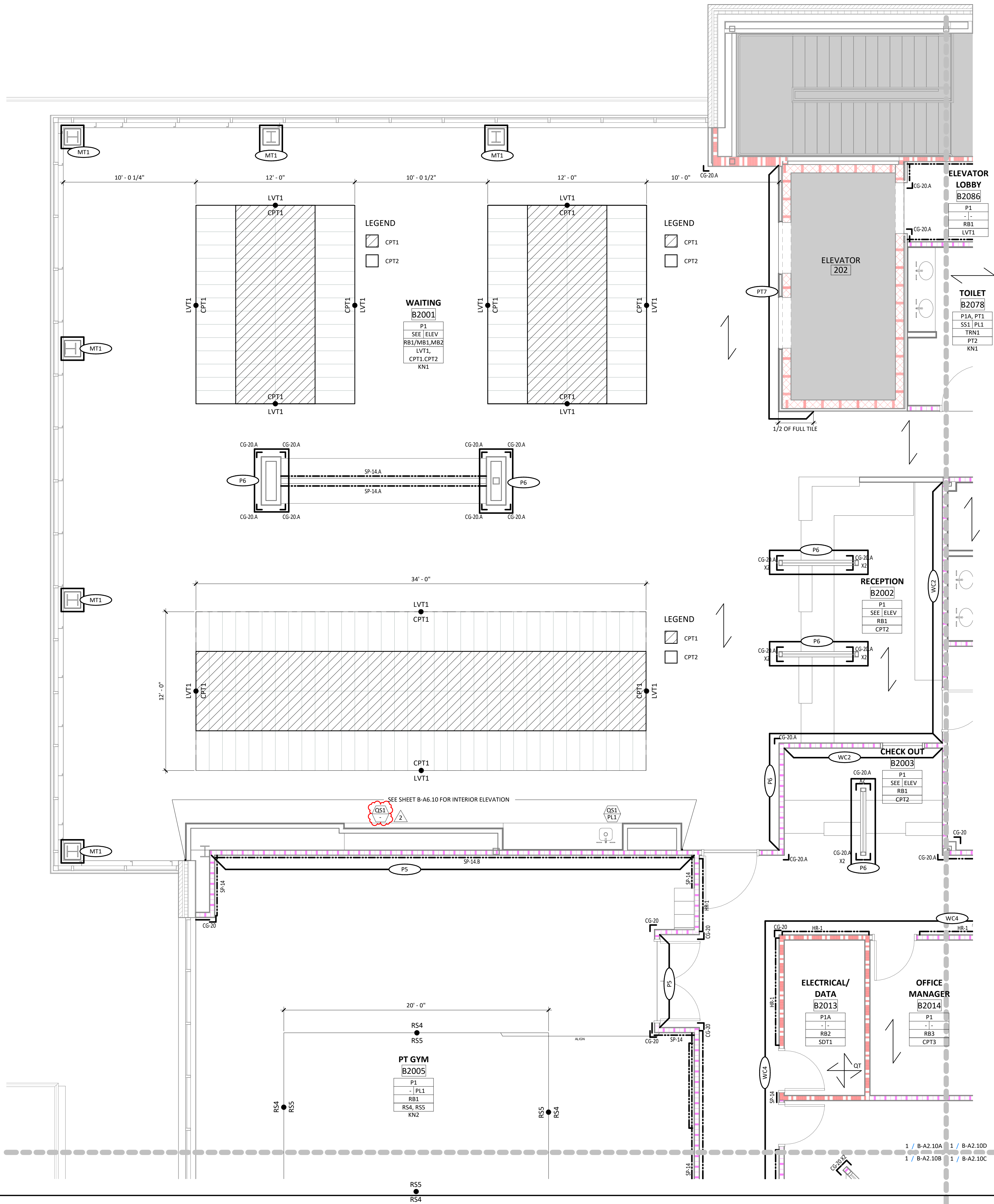
SHEET TITLE

ENLARGED PLANS & INTERIOR ELEVATIONS

SHEET NUMBER

B-A2.21

6/7/2023 1:08:42 PM
Autodesk Docs/225462.00 M2 Orthopedic Indiana R22/225462.00 A-A2 T1 Second Floor.rvt
THIS SHEET IS INDOOR WHEN PRINTED TO FULL SCALE



GENERAL FINISH NOTES

- GENERAL WALL PAINT TO BE P1, UNO.
- REFER TO SPECIFICATIONS FOR LEVEL OF GYPSUM BOARD FINISH.
- DOOR FRAME PAINT TO BE P2, SEMIGLOSS ACRYLIC ENAMEL, UNO.
- ALL FLOORING FINISHES TO TERMINATE AT CENTER OF DOOR.
- UNO. AT BARN DOORS (IF ANY), TERMINATE FLOORING AT THE CORRIDOR SIDE OF THE WALL OPENING. SEE THE BARN DOOR DETAILS FOR EXACT LOCATION. REFER TO TYPICAL FLOORING TRANSITION DETAILS ON INTERIOR DETAIL SHEETS.
- ALL SHEET GOOD FLOORING SEAMS TO BE HEAT WELDED, UNO.
- WHERE INTERIOR FINISH TAG INDICATES "INTEGRAL" BASE, REFER TO DETAILS FOR DETAIL OF INTEGRALLY FLASH-COVED BASE.
- CEILING FINISHES ARE LOCATED ON REFLECTED CEILING PLANS.
- REFER TO SPECIFICATION FOR DOOR FINISHES.
- IF THERE IS CONFLICTING INFORMATION ON DOCUMENTS, CONTACT ARCHITECT FOR CLARIFICATION.
- ALL FINISHES TO CONTINUE BEHIND AND UNDERNEATH ALL EQUIPMENT, ACCESSORIES, AND MOVEABLE CASEWORK.
- WALL COVERING SCHEDULED FOR A WALL WITH A CONTROL JOINT SHALL BE NEATLY AND EVENLY RECESSED INTO, AND FOLLOWING THE CONTOURS OF, THE CONTROL JOINT.
- PAINT CONTROL JOINTS TO MATCH THE WALL WHERE A WALL IS SCHEDULED TO BE PAINTED.
- BASE TO BE INSTALLED AT ALL CASEWORK TOE KICKS AND EXPOSED ENDS.

FINISH PLAN SYMBOL LEGEND

SYMBOL	DESCRIPTION
	GENERAL WALL FINISH
	CASEWORK COUNTER FINISH (**)
	CASEWORK VERTICAL FINISH (**)
	BASE FINISH
	FLOOR FINISH
	FINISH KEYNOTES (SEE KEYNOTE LEGEND)
	** CASEWORK FINISH TAG
	CASEWORK FINISH IS PER ROOM FINISH TAG UNLESS CASEWORK TAGGED INDIVIDUALLY WITH THIS CASEWORK FINISH TAG
	CASEWORK COUNTER FINISH
	CASEWORK VERTICAL FINISH
	ACCENT WALL FINISH
	EXTENTS OF ACCENT FINISH
	FLOORING TRANSITION SYMBOL
	INDICATES GRAIN/PATTERN INSTALLATION DIRECTION
	INDICATES QUARTER TURN INSTALLATION
	INDICATES HERRINGBONE INSTALLATION
	WALL PROTECTION - SEE WALL PROTECTION SCHEDULE

FINISH KEYNOTES (KN:)

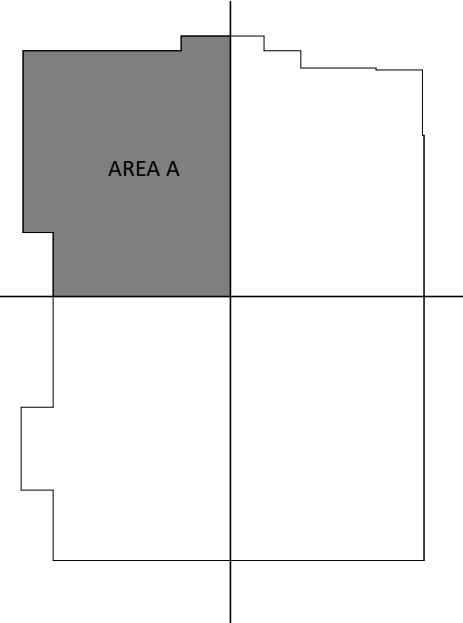
- REFER TO ELEVATIONS FOR EXTENT OF TILE.
- PROVIDE MANUFACTURER'S RECOMMENDED 2-PART EPOXY ADHESIVE TO ACCOMMODATE HEAVY ROLLING LOADS AT RESILIENT FLOOR THROUGHOUT ROOM.

WALL PROTECTION SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	MODEL	MOUNTING HEIGHT	COMMENTS
CG-14	3" CORNER GUARD 135 DEGREE	C/S ACROVYN	SSM SERIES	48" CORNER GUARD INSTALLED AT TOP OF BASE	COLOR: 933 MISSION WHITE
CG-20	2" CORNER GUARD 90 DEGREE	C/S ACROVYN	SSM SERIES	INSTALL FROM TOP OF BASE TO UNDERSIDE OF CEILING	COLOR: 933 MISSION WHITE
CG-20 X2	2" CORNER GUARD 90 DEGREE	C/S ACROVYN	SSM SERIES	INSTALL FROM TOP OF BASE TO UNDERSIDE OF CEILING	COLOR: 933 MISSION WHITE
CG-20.A	1" CORNER GUARD 90 DEGREE	C/S ACROVYN	CO-8 STAINLESS STEEL CORNER GUARDS WITH 1" WINGS	INSTALL FROM TOP OF BASE TO UNDERSIDE OF CEILING	STAINLESS STEEL FINISH
CG-20.A X2	1" CORNER GUARD 90 DEGREE	C/S ACROVYN	CO-8 STAINLESS STEEL CORNER END CAP	INSTALL FROM TOP OF BASE TO UNDERSIDE OF CEILING	STAINLESS STEEL FINISH
CG-20.B	2" CORNER GUARD 90 DEGREE	C/S ACROVYN	SSM SERIES	INSTALL FROM TOP OF BASE TO UNDERSIDE OF CEILING	COLOR: 927 FOLKSTONE
CG-20.B X2	2" CORNER GUARD 90 DEGREE	C/S ACROVYN	SSM SERIES	INSTALL FROM TOP OF BASE TO UNDERSIDE OF CEILING	COLOR: 927 FOLKSTONE
CG-24.A	2" CORNER GUARD 90 DEGREE	P3TEC	DECORATIVE WALL PROTECTION	36" CORNER GUARD INSTALLED AT TOP OF BASE	COLOR: COORDINATE WITH SP.13A
HR-1	HAND RAIL	C/S ACROVYN	HRWS-6C SINGLE LINE WOOD AND STAINLESS HANDRAIL	INSTALL 36" A.F.F. TO TOP OF RAIL. HANDRAIL IS TO STOP 3" BEFORE ALL DOOR FRAMES, FIRE EXTINGUISHER CABINETS, WALL OPENINGS, AND CORNER GUARDS.	COLOR: TBD
SP-13.A	SHEET WALL PROTECTION	P3TEC	DECORATIVE WALL PROTECTION	48" SHEET TRIMMED TO ALIGN WITH TOP OF BACKSLASH; SEE ELEVATIONS	PATTERN: BALANCE; COLOR: DEEP INDIGO; USE COORDINATING TRIM AND TOP CAP
SP-14	SHEET WALL PROTECTION	C/S ACROVYN	3000 SERIES	48" SHEET INSTALLED AT TOP OF BASE	COLOR: 933 MISSION WHITE; USE ALL COORDINATING TRIM PIECES
SP-14.A	SHEET WALL PROTECTION	P3TEC	DECORATIVE WALL PROTECTION	48" SHEET; SEE 7.31 FOR DETAILS	PATTERN: BALANCE; COLOR: DEEP INDIGO; USE COORDINATING TRIM AND TOP CAP
SP-14.B	SHEET WALL PROTECTION	C/S ACROVYN	3000 SERIES	48" SHEET INSTALLED AT TOP OF BASE	COLOR: 930 BLUE SILK; USE ALL COORDINATING TRIM PIECES
WP-10	SHEET WALL PROTECTION	C/S ACROVYN	3000 SERIES	INSTALL FROM TOP OF BASE TO UNDERSIDE OF CEILING	COLOR: 933 MISSION WHITE; USE ALL COORDINATING TRIM PIECES



KEYPLAN - AREA A



BOULDER ASSOCIATES

5646 MILTON STREET, SUITE 240
DALLAS, TEXAS 75206
214.420.5700

PROJECT 225462.00

IJRI - MEDICAL CENTER

14065 BORG WARNER DRIVE
NOBLESVILLE, IN 46060

CONSTRUCTION DOCUMENTS

DATE 2023.04.28

REVISIONS

#	DESCRIPTION	DATE
2	Addendum #2	2023.06.07



2023.06.07

SHEET TITLE

FINISH PLAN - LEVEL 2
AREA A

SHEET NUMBER

B-A2.30A

## ACCESSORY AND EQUIPMENT SCHEDULE							
RESPONSIBILITY LEGEND: OF = OWNER FURNISHED, OI = OWNER INSTALLED, CF = CONTRACTOR FURNISHED, CI = CONTRACTOR INSTALLED, VF = VENDOR FURNISHED, VI = VENDOR INSTALLED							
TAG	DESCRIPTION	MANUFACTURER	MODEL	RESPONSIBILITY	MOUNTING HEIGHT A.F.F.	BACKING DETAIL SEE A7 SHEETS	COMMENTS
18	TOILET PAPER DISPENSER AND UTILITY SHELF, SURFACE MOUNTED	BOBRICK	B-2840	CF/CI	SEE DETAILS ON A7.01		
30	GRAB BAR, STAINLESS STEEL, 36"	BOBRICK	B-6806 x 36	CF/CI	SEE DETAILS ON A7.01	BACKING DETAIL B	
3E	GRAB BAR, STAINLESS STEEL, 42"	BOBRICK	B-6806 x 42	CF/CI	SEE DETAILS ON A7.01	BACKING DETAIL B	
4A	GRAB BAR, STAINLESS STEEL, VERTICAL, 18"	BOBRICK	B-6806 x 18	CF/CI	SEE DETAILS ON A7.01	BACKING DETAIL B	
5A	SANITARY NAPKIN DISPOSAL, SURFACE MOUNTED	BOBRICK	B-270	CF/CI	SEE DETAILS ON A7.01	BACKING DETAIL A	
10B	PAPER TOWEL DISPENSER, SURFACE MOUNTED	BOBRICK	B-9262	CF/CI	SEE DETAILS ON A7.01	BACKING DETAIL A	
10C	RECESSED WASTE RECEPTACLE	BOBRICK	B-3644	CF/CI			
11B	SOAP DISPENSER, WALL MOUNTED	BOBRICK	818615	CF/CI	SEE DETAILS ON A7.01	BACKING DETAIL A	
12B	ANGLE-FRAMED MIRROR, 24" x 36"	BRADLEY	780-2436	CF/CI	SEE DETAILS ON A7.01	BACKING DETAIL A	
12E	MIRROR, 72"x27"	BRADLEY	TBD	CF/CI	SEE DETAILS ON A7.01	BACKING DETAIL A	
12F	ANGLE-FRAMED MIRROR, CUSTOM SIZE	BRADLEY	780- SEE INTERIOR ELEVATION FOR MIRROR SIZE	CF/CI	SEE DETAILS ON A7.01	BACKING DETAIL A	
13A	BABY CHANGING STATION, SURFACE MOUNTED	BOBRICK	KB110-SSWM	CF/CI	SEE DETAILS ON A7.01	BACKING DETAIL B	FINISH: STAINLESS STEEL
16	CUBICLE TRACK, 102"	JUNRO CORPORATION	OPTI-TRACK	CF/CI	SEE DETAILS ON A7.40		
17	TOILET PARTITION	BOBRICK	SIERRA SERIES SCRC 1090, FLOOR MOUNTED OVERHEAD BRACED	CF/CI			COLOR: TBD
23A	SINGLE ROBE HOOK, ACCESSIBLE, 47"	BOBRICK	B-672		12/A7.01Y	2A	MOUNT 47" A.F.F.
23B	SINGLE ROBE HOOK, NON-ACCESSIBLE, 72"	BOBRICK	B-6727		SEE DETAILS ON A7.01	IF LOCATED ON A WALL: BACKING DETAIL A	
41B	FIRE EXTINGUISHER CABINET, SEMI-RECESSED	LARSENS	2409-R3	CF/CI	48" TO TOP OF CABINET		
51	DESKTOP PRINTER	BY OWNER	BASIS OF DESIGN: HP DESKJET D2600	OF/OI	N/A	N/A	BASIS OF DESIGN: HP DESKJET D2600
52	OPERABLE PARTITION	MODERN FOLD	ACOUSTI-SEAL ENCORE MOVEABLE WALLS, PAIRED PANEL 54 STC, PANEL THICKNESS: 4", SINGLE PASS DOOR, FABRIC FINISH: MAHARAM TEK WALL STRAKE 300076-007 RAKU	CF/CI			INCLUDE TYPE III ACOUSTI-SEAL POCKET DOORS WITH LAMINATE FINISH; COLOR: WILSONART D431-60 ALABASTER MATTE FINISH
53	FLOOR COPIER	BY OWNER	BASIS OF DESIGN: CANON ADVANCED C7580i IMAGERUNNER (1189C002AA)	OF/OI	N/A	N/A	
54	TV, WALL-MOUNTED	BY OWNER	SIZES SHOWN IN MODEL 50"	OF/OI	N/A	N/A	WITH TV MOUNTING HARDWARE
55	LARGE SHREDDER BIN	SHRED-IT	32 GALLON STANDARD CONSOLE	OF/OI	N/A	N/A	
56	MINI SHREDER BIN	SHRED-IT	MINI CONSOLE	OF/OI	N/A	N/A	
57	FIREPLACE	MONTIGO COMMERCIAL FIREPLACES	PRODIGY, PC7	CF/CI	N/A	N/A	SEE ELEVATIONS FOR CUSTOM FIREPLACE SIZE, VENTING AND FLUE ARE DEPENDENT ON PROJECT SPECIFIC SPECIFICAITONS
58	GARBAGE DISPOSAL	INSINKERATOR	BADGER 5	CF/CI	N/A	N/A	INSTALL TO MAINTAIN ALL ACCESSIBILITY REQUIREMENTS
61	UNIVERSAL TABLET/ LAPTOP CHARGING STATION	BASIS OF DESIGN: KENSINGTON	K62878 NA	OF/OI	N/A	N/A	
62	COFFEE MAKER	BY OWNER	BASIS OF DESIGN: JURAGIGAX7 PROFESSIONAL	OF/OI	N/A	N/A	
63	TV, WALL-MOUNTED	BY OWNER	SIZES SHOWN: 55"	OF/OI			WITH TV MOUNTING HARDWARE
64	TV, WALL-MOUNTED	BY VENDOR	SIZES SHOWN: 96"	VF/CI			WITH TV MOUNTING HARDWARE
65	TV MOUNTING HARDWARE	TBD	TBD	CF/CI			
66	COUNTERTOP PAPER TOWELS	TORK	302030	CF/CI	N/A	N/A	
67	COUNTERTOP SOAP DISPENSER	BY OWNER	BASIS OF DESIGN: SIMPLE HUMAN SESNOR PUMP	CF/CI	N/A	N/A	
## MEDICAL EQUIPMENT TAG REFERENCE A-EQ SHEETS							



BOULDER ASSOCIATES

5646 MILTON STREET, SUITE 240
DALLAS, TEXAS 75206
214.420.5700

PROJECT 225462.00

IJRI - MEDICAL CENTER

14065 BORG WARNER DRIVE
NOBLESVILLE, IN 46060

CONSTRUCTION DOCUMENTS

DATE 2023.04.28

REVISIONS		
#	DESCRIPTION	DATE
2	Addendum #2	2023.06.07



SHEET TITLE
SCHEDULES

SHEET NUMBER
B-A2.50

6/7/2023 1:08:44 PM
Autodesk Docs\J225462.00 M3 Orthopedic Indiana R22\225462.00 A-A2.Tl Second Floor.rvt
THIS DRAW IS INDOOR AND WHEN PRINTED TO FULL SCALE

MATERIALS LIST							
MARK	DESCRIPTION	LOCATION	MANUFACTURER	SERIES/STYLE	COLOR/ FINISH	COMMENTS	FLAMMIBILITY
BASE							
IC6	INTEGRAL COVE BASE	SEE FINISH PLANS	TO MATCH RESILIENT SHEET FLOORING	TO MATCH RESILIENT SHEET FLOORING	TO MATCH RESILIENT SHEET FLOORING	FLASH COVE UP WALLS TO FORM SELF COVED INTEGRAL BASE WITH ALUMINUM TOP CAP. OUTSIDE CORNER: BOOT. SEAMS TO BE HEAT WELDED WITH ROD TO MATCH FLOORING COLOR: SEE A7.30 FOR DETAILS	ASTM E CLASS 1 (> 0.45 W/CM²)
MB1	METAL BASE	SEE FINISH PLANS & INTERIOR ELEVATIONS FOR LOCATIONS	FRY REGLET	MWCB75400	CLEAR ANODIZED	SEE A7.30 FOR DETAILS	
MB2	METAL BASE	SEE FINISH PLANS & INTERIOR ELEVATIONS FOR LOCATIONS	INPRO CORPORATION	DRMBFL625400	CLEAR ANODIZED	SEE A7.30 FOR DETAILS	
RB1	RESILIENT BASE	TYPICAL FRONT OF HOUSE	TARKETT	JOHNSONITE MILLWORK WALL BASE; MONUMENT MW-XX-S4	COLOR: 48 GREY	SEE A7.30 FOR DETAILS MITERED INSIDE AND OUTSIDE CORNERS. USE CLEAR SEALANT ON TOP OF BASE TO WALL	ASTM E 648 CLASS 1 (> 0.45 W/CM²) ASTM E 84 CLASS B < 450 SMOKE
RB2	RESILIENT BASE	TYPICAL BACK OF HOUSE	TARKETT	JOHNSONITE BASEWORKS THERMOSET RUBBER (TYPE TS); BASEWORKS 4"	COLOR: 48 GREY	SEE A7.30 FOR DETAILS COVED AND CONTINUOUS ROLLS. JOB FORMED CORNERS. DO NOT USE PRE-MOLDED OUTSIDE CORNERS. USE CLEAR SEALANT ON TOP OF BASE TO WALL	ASTM E 648 CLASS 1 (> 0.45 W/CM²) ASTM E 84 CLASS B < 450 SMOKE
RB3	RESILIENT BASE	BASE AT CARPET CONDITIONS	TARKETT	JOHNSONITE BASEWORKS THERMOSET RUBBER (TYPE TS); BASEWORKS TOELESS 4"	COLOR: 48 GREY	SEE A7.30 FOR DETAILS COVED AND CONTINUOUS ROLLS. JOB FORMED CORNERS. DO NOT USE PRE-MOLDED OUTSIDE CORNERS. USE CLEAR SEALANT ON TOP OF BASE TO WALL	ASTM E 648 CLASS 1 (> 0.45 W/CM²) ASTM E 84 CLASS B < 450 SMOKE
TRN1	DILEX COVE BASE	BASE AT PORCELAIN TILE, U.N.O	SCHLUTER SYSTEMS	DILEX-AHK	AE SATINE ANODIZED ALUMINUM	RE: A7.30	N/A
CASEWORK							
CPL1	PLASTIC LAMINATE	PORTAL ACCENT WALLS	WILSONART	3/4" THICK COMPACT LAMINATE PANEL	PINNACLE WALNUT 7992	PROVIDE MATCHING EDGE BANDING	ASTM E 84 CLASS B
PL1	PLASTIC LAMINATE	TYPICAL VERTICAL CASEWORK FINISH TYPICAL DOOR PANEL FINISH; SEE A8.10	WILSONART	WOOD LOOK PLASTIC LAMINATE	PINNACLE WALNUT 7992-38	PROVIDE MATCHING EDGE BANDING	ASTM E 84 CLASS B
SS1	SOLID SURFACE	ALL HORIZONTAL COUNTERTOPS & WINDOW SILLS	COBIAN	SOLID SURFACE	COLOR: PEARL GRAY	EASED EDGES, TYPICAL	ASTM E 84 CLASS A
SS2	SOLID SURFACE	NURSE STATION TRANSACTION TOPS	WILSONART	SOLID SURFACE	COLOR: BEIGE TRAVERTINE	EASED EDGES, TYPICAL	ASTM E 84 CLASS A
SS3	SOLID SURFACE	INTEGRAL SINKS	WILSONART	SOLID SURFACE	COLOR: CALM WHITE	EASED EDGES, TYPICAL ; SEE PLUMBING DRAWINGS FOR SINK TYPES AND LOCATIONS	ASTM E 84 CLASS A
QS1	QUARTZ SURFACE	FIREPLACE HEARTH & COFFEE BAR COUNTERTOP	CAMBRIA	QUARTZ SURFACE	COLOR: WHITEHALL	EASED EDGES, TYPICAL	
DOOR							
WF1	WINDOW FILM	SEE A8.10 DOOR SCHEDULE FOR LOCATIONS	DECORATIVE FILMS	SOLYX	COLOR: SKWV-0200 CLEAR LUSTER - 60" WIDE		
FLOORING							
CPT1	CARPET TILE	WAITING AREA INSERTS	MOHAWK	COLLECTION: NUTOPIA 2 COLLECTION, STYLE: URBAN PASSAGE 2, STYLE #: GT444	COLOR: 861 BRIDGE, SIZE: 12" X 36", THICKNESS: .100" (2.54 MM)	INSTALLATION METHOD: MONOLITHIC, SEE FINISH PLAN ON SHEET A-A2.30 FOR DESIGN INTENT INSTALLATION PATTERN; REFER TO SPECIFICATION APPENDIX F FOR VISUALIZATION DOCUMENT	ASTM E 648 CLASS 1 (GLUE DOWN) ; ASTM E 662 LESS THAN 450
CPT2	CARPET TILE	WAITING AREA INSERTS	MOHAWK	COLLECTION: NUTOPIA 2 COLLECTION, STYLE: URBAN FIELD, STYLE # GT446	COLOR: 889 MUSEUM, SIZE 12" X 36", THICKNESS: .100" (2.54MM)	INSTALLATION METHOD: MONOLITHIC, SEE FINISH PLAN ON SHEET A-A2.30 FOR DESIGN INTENT INSTALLATION PATTERN; REFER TO SPECIFICATION APPENDIX F FOR VISUALIZATION DOCUMENT	ASTM E 648 CLASS 1 (GLUE DOWN); ASTM E 662 LESS THAN 450
CPT3	CARPET TILE	OFFICES	MANNINGTON	COLLECTION: DESIGN LOCAL COLLECTION, STYLE: NASHVILLE	COLOR: 14325 QUEEN VILLAGE, SIZE: 18" X 36"	INSTALLATION METHOD: HORIZONTAL BRICK ASHLAR	ASTM E648 CLASS 1, ASTM E662 (<450)
CPT4	CARPET TILE	CONFERENCE ROOM	MANNINGTON	COLLECTION: DESIGN LOCAL COLLECTION, STYLE: PHILADELPHIA	COLOR: 14325 QUEEN VILLAGE, SIZE: 18" X 36"	INSTALLATION METHOD: HORIZONTAL BRICK ASHLAR	ASTM E648 CLASS 1, ASTM E662 (<450)
LVT1	LUXURY VINYL TILE	TYPICAL FLOORING	MOHAWK	COLLECTION: HOT AND HEAVY, STYLE: SECOYA, STYLE #: C0009	COLOR: 148 ATWELL MILL, SIZE: 9" X 59", THICKNESS: 5MM	INSTALLATION METHOD: BRICK ASHLAR, MAX 1/3 OVERLAP	ASTM E648 - PASSES - > 0.45 WATTS/CM2 , CLASS 1, ASTM E662 - PART A - LESS THAN 450
LVT2	LUXURY VINYL TILE	ACCENT FLOORING	MOHAWK	COLLECTION: LARGE AND LOCAL, STYLE: RENDERED FLAX, STYLE #: C0192	COLOR: 128 BEACH GRASS, SIZE: 6" X 48", THICKNESS: 4.5MM	INSTALLATION METHOD: BRICK ASHLAR, MAX 1/3 OVERLAP	ASTM E648 - PASSES - > 0.45 WATTS/CM2 , CLASS 1, ASTM E662 - PART A - LESS THAN 450
RS3	RESILIENT SHEET FLOORING	BACK OF HOUSE	MANNINGTON	COLLECTION: BIOSPEC CHIOCES COLLECTION, STYLE: BIOSPEC MD	COLOR: 15364 NEW GLACIER, SIZE: 6'6" ROLL, THICKNESS: 2.03MM	INSTALLATION METHOD: RANDOM REPEAT, REVERSE SHEET FOR SEAMING. SEAMS TO BE HEAT WELDED WITH WELD ROD COLOR 842361 CREAM	ASTME E648 - MEETS, CLASS 1, ASTM E662 - MEETS, 450 OR LESS
RS4	RESILIENT SHEET FLOORING	PT GYM AND SUPPORT AREAS	NORA	COLLECTION: NORAPLAN ENVIORNCARE, ARTICLE 1463	COLOR: 7052 SLEDDING, SIZE: 39" X 48", THICKNESS: 3MM	PROVIDE MANUFACTURER'S RECOMMENDED ADHESIVE FOR HEAVY ROLLING LOADS. HEAT WELD ALL SEAMS. WELD COLOR: ARCHITECT TO SELECT FROM MANUFACTURERS FULL RANGE	ASTM E648/NFPA 253: NBSIR 75 950, 1.03 / ASTM E662/ NFPA 258: NBS, 376 (FLAMING) AND 256 (NON FLAMING)
RS5	RESILIENT SHEET FLOORING	PT GYM AND SUPPORT AREAS	NORA	COLLECTION: NORAPLAN ENVIORNCARE, ARTICLE 1463	COLOR: 7077 GRADUATION, SIZE: 39" X 48", THICKNESS: 3MM	PROVIDE MANUFACTURER'S RECOMMENDED ADHESIVE FOR HEAVY ROLLING LOADS. HEAT WELD ALL SEAMS. WELD COLOR: ARCHITECT TO SELECT FROM MANUFACTURERS FULL RANGE	ASTM E648/NFPA 253: NBSIR 75 950, 1.03 / ASTM E662/ NFPA 258: NBS, 376 (FLAMING) AND 256 (NON FLAMING)
SCONC	SEALED CONCRETE					SEE PAINT SPECIFICATIONS FOR PRODUCT INFORMATION	N/A
SDT1	STATIC DISSIPATIVE TILE	I.T	TARKETT	COLLECTION: PRIMO SD 21016562	COLOR: 0562 MEDIUM DARK PURE GREY, SIZE: 24"x24", THICKNESS: 2MM	INSTALLATION METHOD: QUARTER-TURN	EN 13501-1 Class Bfl s1 EN ISO 9239-1 ≥ 8 kW/m² EN ISO 11925-2 Pass
WM1	WALK OFF MAT	VESTIBULES	MOHAWK	COLLECTION: TUFF STUFF II, STYLE: FIRST STEP II, STYLE #: GT315	COLOR: 983 IRON ORE, SIZE: 24" X 24"	INSTALLATION METHOD: QUARTER-TURN	ASTM E 648 - CLASS 1 (GLUE DOWN) ASTM E 662 - LESS THAN 450
OTHER							
AWP1	ACOUSTIC WALL PANEL	EDUCATION ROOM, SEE ELEVATIONS	3 FORM	HUSH CLAD WALL PANEL	VIM WIDE HORIZONTAL		CLASS A
CC1	CUBICLE CURTAIN	PRE-OP/PACU BAYS	MAHARAM	511505 IMMERSE	COLOR: 007 FADER, CONTENT: 100% FR POLYESTER, WIDTH: 72", RAILROADED REPEAT: 18.25" H X 53.5" V	FABRICATE WITH 22" MESH AND CURTAIN TO TERMINATE 12" A.F.F. MOUNT FROM TOP OF WALL TO CEILING AS INDICATED IN DRAWINGS SEE A7.30/A7.31 FOR DETAILS	ASTM F701 -PASS
MT1	METAL PANEL	FINISH ON COLUMNS	PAC-CLAD	STANDARD COLORS	COLOR:CHARCOAL	SEE A7.11 FOR DETAIL	N/A
TB1	TACKBOARD	SEE ELEVATIONS	MAHARAM	511524 MIST	COLOR: 004 SOAR, WIDTH: 72"	HOMASOTE WRAPPED PANEL WITH SQUARE EDGE AND BUTT SEAMS	ASTM E84 UNADHERED, CAN ULC S109, GB/T 17591, NFPA 701
TRN3	TRANSITION	ALL OUTSIDE CORNERS OF TILE, U.N.O	SCHLUTER SYSTEMS	QUADEC	AE SATINE ANODIZED ALUMINUM	SEE A7.30 FOR DETAILS USE COORDINATING CORNER PIECE TO AVOID SHARP METAL CORNERS	N/A
TRN4	TRANSITION	WALLCOVERING OUTSIDE CORNER, U.N.O	FRY REGLET	WCTOSC	CLEAR ANODIZED	SEE A7.30 FOR DETAILS	N/A
TRN5	TRANSITION	ALL OUTSIDE CORNERS OF PLASTIC LAMINATE, U.N.O	FRY REGLET	MILLWORK CORNER KEY	CLEAR ANODIZED	SEE A7.30 FOR DETAILS	N/A
TRN6	TRANSITION	SEE ELEVATIONS	FRY REGLET	MILLWORK POST; MWP2575	CLEAR ANODIZED	SEE A7.30 FOR DETAILS	N/A
TRN7	TRANSITION	SEE ELEVATIONS	FRY REGLET	MILLWORK POST TERMINATION; MWP2575	CLEAR ANODIZED	SEE A7.30 FOR DETAILS	N/A
TRN8	TRANSITION	SEE ELEVATIONS	FRY REGLET	MILLWORK INSIDE CORNER; MWIRISC75	CLEAR ANODIZED	SEE A7.30 FOR DETAILS	N/A
TRN9	TRANSITION	SEE ELEVATIONS	FRY REGLET	MILLWORK 1/4 OUTSIDE POST ; MWPOSC2575	CLEAR ANODIZED	SEE A7.30 FOR DETAILS	N/A
WF2	WINDOW FILM	RECEPTION DIVIDER	DECORATIVE FILMS	SOLYX	COLOR: SX-C387 LINEN 60" W	SEE A8.10 FOR WINDOW DETAILS	N/A
WF3	WINDOW FILM	PT GYM WINDOW	DECORATIVE FILMS	SOLYX	COLOR: SX-SG09 SILVER/GREY ONE WAY	SEE A8.10 FOR WINDOW DETAILS	N/A
TILE							
PT1	PORCELAIN TILE	TOILETS - WALLS	CONCEPT SURFACES	COLLECTION: STITCH	COLOR: YARN, FINISH: MATTE, SIZE: 12"x24", THICKNESS: 3/8", RECTIFIED EDGE	STACKED/MONOLITIC INSTALLATION. REFERENCE FINISH PLANS FOR DIRECTIONS. GROUT TYPE: FUSION PRO. GROUT COLOR: TO BE SELECTED FROM MANUFACTURERS FULL RANGE . JOINT WIDTH: 1/8".	N/A
PT2	PORCELAIN TILE	TOILETS - FLOORS	CONCEPT SURFACES	COLLECTION: OZ	COLOR: INFUSED, FINISH:MATTE, SIZE: 12"X 24", THICKNESS: 3/8", RECTIFIED EDGE	STACKED/MONOLITIC INSTALLATION. REFERENCE FINISH PLANS FOR DIRECTIONS. GROUT TYPE: FUSION PRO. GROUT COLOR: TO BE SELECTED FROM MANUFACTURERS FULL RANGE . JOINT WIDTH: 1/8".	N/A
PT4	PORCELAIN TILE	FIREPLACE	CROSSVILLE	COLLECTION: NOTORIOUS	COLOR: FEMME FATALE, NTR01 UNPOLISHED: SIZE: 24"x36", THICKNESS: 3/8", RECTIFIED EDGE	STACKED/MONOLITIC INSTALLATION. REFERENCE FINISH PLANS FOR DIRECTIONS. GROUT TYPE: FUSION PRO. GROUT COLOR: TO BE SELECTED FROM MANUFACTURERS FULL RANGE . JOINT WIDTH: 1/8".	N/A
PT5	PORCELAIN TILE	FIREPLACE- ACCENT	DALTILE	COLLECTION: PANORAMIC PORCELAIN SURFACES	COLOR: CHARRED NICKEL, STYLE#: CM16; FINISH: MATTE SIZE: 63" X 126", THICKNESS: 6MM	STACKED/MONOLITIC INSTALLATION. REFERENCE FINISH PLANS FOR DIRECTIONS. GROUT TYPE: FUSION PRO. GROUT COLOR: TO BE SELECTED FROM MANUFACTURERS FULL RANGE . JOINT WIDTH: 1/8".	N/A
PT6	PORCELAIN TILE	COFFEE BAR ACCENT TILE	TILEBAR	COLLECTION: ECHOES	COLOR: BLANCO, SIZE: 12"x36", FINISH: DECORATIVE MATTE & SATIN, THICKNESS:11MM	STACKED/MONOLITIC INSTALLATION. REFERENCE FINISH PLANS FOR DIRECTIONS. GROUT TYPE: FUSION PRO. GROUT COLOR: TO BE SELECTED FROM MANUFACTURERS FULL RANGE . JOINT WIDTH: 1/8".	N/A
PT7	PORCELAIN TILE	ELEVATOR WALL TILE	CROSSVILLE	COLLECTION: FEMME FATALE SLAB	COLOR: FEMME FATALE, FINISH: UNPOLISHED, SIZE: 1620 MM X 3240 MM (63.8" X 127.6")	STACKED/MONOLITIC INSTALLATION. REFERENCE FINISH PLANS FOR DIRECTIONS. GROUT TYPE: FUSION PRO. GROUT COLOR: TO BE SELECTED FROM MANUFACTURERS FULL RANGE . JOINT WIDTH: SEE SPECIFICATION	N/A
WALL							
P1	PAINT	GENERAL PAINT	SHERWIN WILLIAMS	PRO MAR ZERO VOC LATEX, EGGSHELL FINISH	SW7001 MARSHMELLOW	IF USED ON CEILING USE FLAT FINISH	
P1A	PAINT	GENERAL PAINT - WET LOCATIONS	SHERWIN WILLIAMS	PRE-CATALYZED EPOXY, SEMI-GLOSS FINISH	SW7001 MARSHMELLOW		
P2	PAINT	DOOR FRAME	SHERWIN WILLIAMS	PRO INDUSTRIAL ACRYLIC, SEMI-GLOSS FINISH	SW7001 MARSHMALLOW		
P3	PAINT	CEILINGS	SHERWIN WILLIAMS	PRO MAR ZERO VOC LATEX, FLAT FINISH	SW7005 PURE WHITE		
P3A	PAINT	CEILINGS - WET LOCATIONS	SHERWIN WILLIAMS	PRE-CATALYZED EPOXY, SEMI-GLOSS FINISH	SW7005 PURE WHITE		
P4	PAINT	ACCENT	SHERWIN WILLIAMS	PRO MAR ZERO VOC LATEX, EGGSHELL FINISH	SW9547 VESSEL		
P5	PAINT	ACCENT	SHERWIN WILLIAMS	PRO MAR ZERO VOC LATEX, EGGSHELL FINISH	SW6241 ALEUTIAN	IF USED ON CEILING USE FLAT FINISH	
P6	PAINT	ACCENT	SHERWIN WILLIAMS	PRO MAR ZERO VOC LATEX, EGGSHELL FINISH	SW9684 AZURETIDE	IF USED ON CEILING USE FLAT FINISH	
WC2	VINYL WALLCOVERING	RECEPTION DESK ACCENT ACCENT IN EDUCATION/ CONFERENCE	WOLF GORDON	INK SPOT LINEN	CLOUD AZ39675IL	REQUIRES LEVEL 5 FINISH ON ALL WALLS HANGING METHOD REVERSE HANG, RANDOM MATCH	CLASS A, AS PER ASTM E84 (ADHERED), NFPA 286- MEETS 2006 IBC SECTION 803.2.1 FLAME SPREAD: 20/ SMOKE DEVELOPED: 45
WC3	VINYL WALLCOVERING	CORRIDOR ACCENT	KOROSEAL	DIGITAL DESIGNS - CLIENT PROVIDED ARTWORK PRINTED ON VINYL WALLCOVERING SUBSTRATE/ ASSUME \$60/SY		REQUIRES LEVEL 5 FINISH ON WALLS; HANGING METHOD: TBD	CLASS A
WC4	VINYL WALLCOVERING	PT GYM	KOROSEAL	DIGITAL DESIGNS PRITED ON VINYL WALLCOVERING SUBSTRATE/ ASSUME \$60/SY		REQUIRES LEVEL 5 FINISH ON WALLS; HANGING METHOD: TBD	CLASS A
WC5	VINYL WALLCOVERING	EDUCATION/CONFERENCE BRANDING WALL	KOROSEAL	DIGITAL DESIGNS - CLIENT PROVIDED ARTWORK PRINTED ON VINYL WALLCOVERING SUBSTRATE/ ASSUME \$60/SY		REQUIRES LEVEL 5 FINISH ON WALLS; HANGING METHOD: TBD	CLASS A



BOULDER ASSOCIATES

5646 MILTON STREET, SUITE 240
DALLAS, TEXAS 75206
214.420.5700

PROJECT 225462.00

IJRI - MEDICAL CENTER

14065 BORG WARNER DRIVE
NOBLESVILLE, IN 46060

CONSTRUCTION DOCUMENTS

DATE 2023.04.28

REVISIONS

#	DESCRIPTION	DATE
2	Addendum #2	2023.06.07



2023.06.07

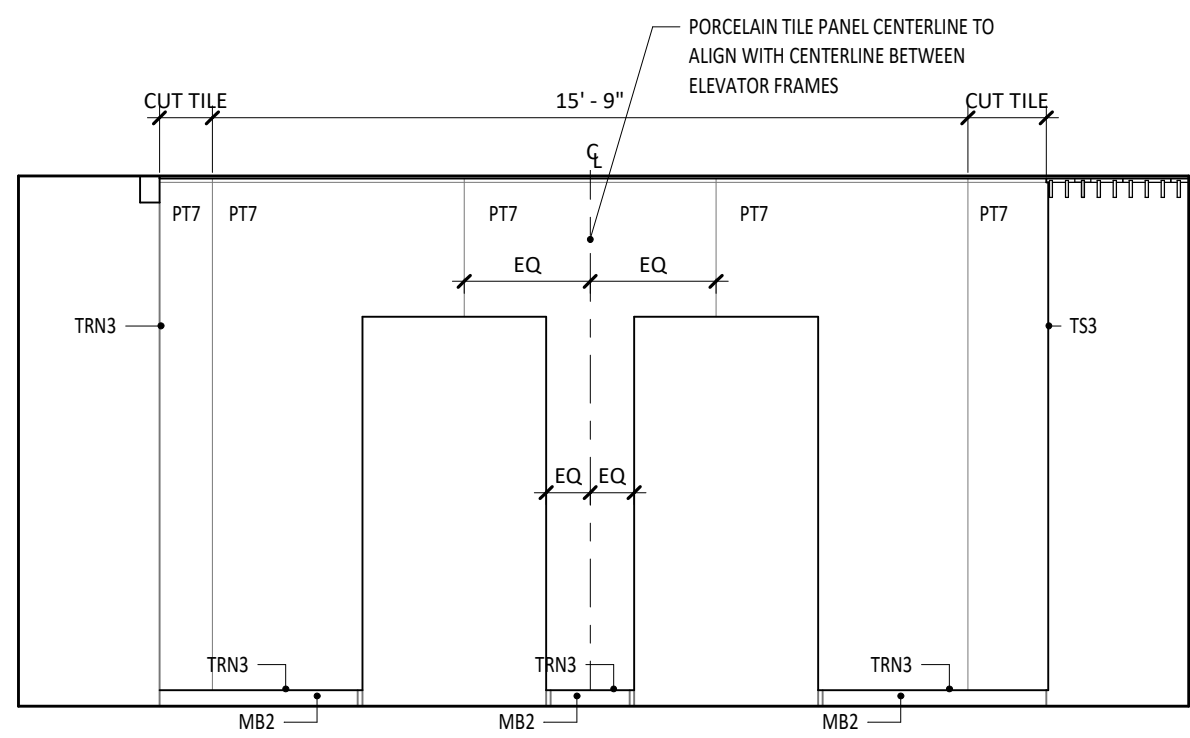
SHEET TITLE

INTERIOR MATERIAL LIST

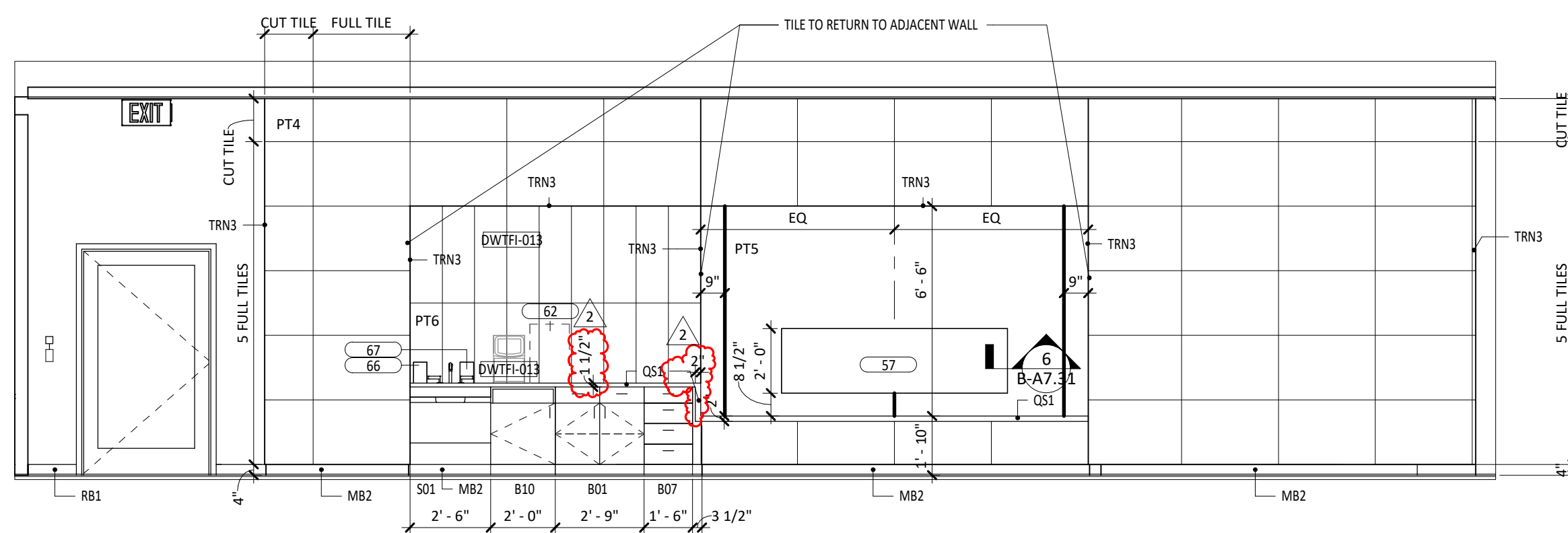
SHEET NUMBER

B-A2.51

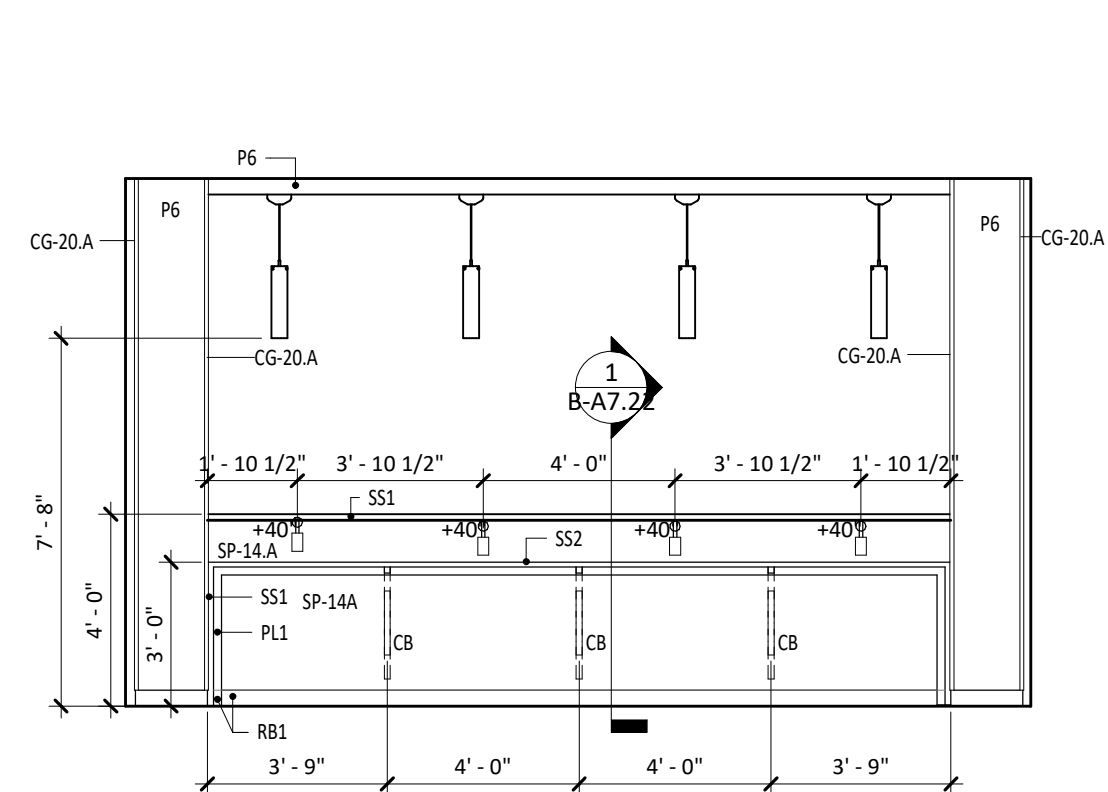
6/7/2023 1:09:05 PM
Autodesk Docs\\225462.00 M2 Orthopedic Indiana R22\\225462.00 A-A6.10 Second Floor.rvt
THIS SHEET IS INDOOR WHEN PRINTED TO FULL SCALE



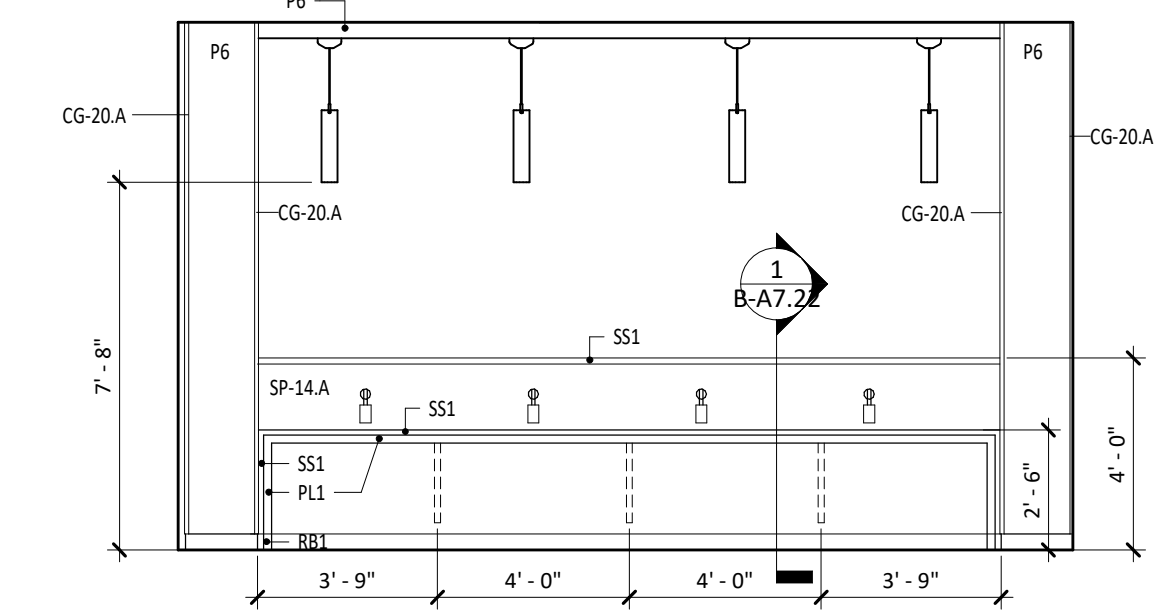
1 2001 WAITING (E) - ELEVATOR
B-A2.10A | B-A6.10 1/4" = 1'-0"



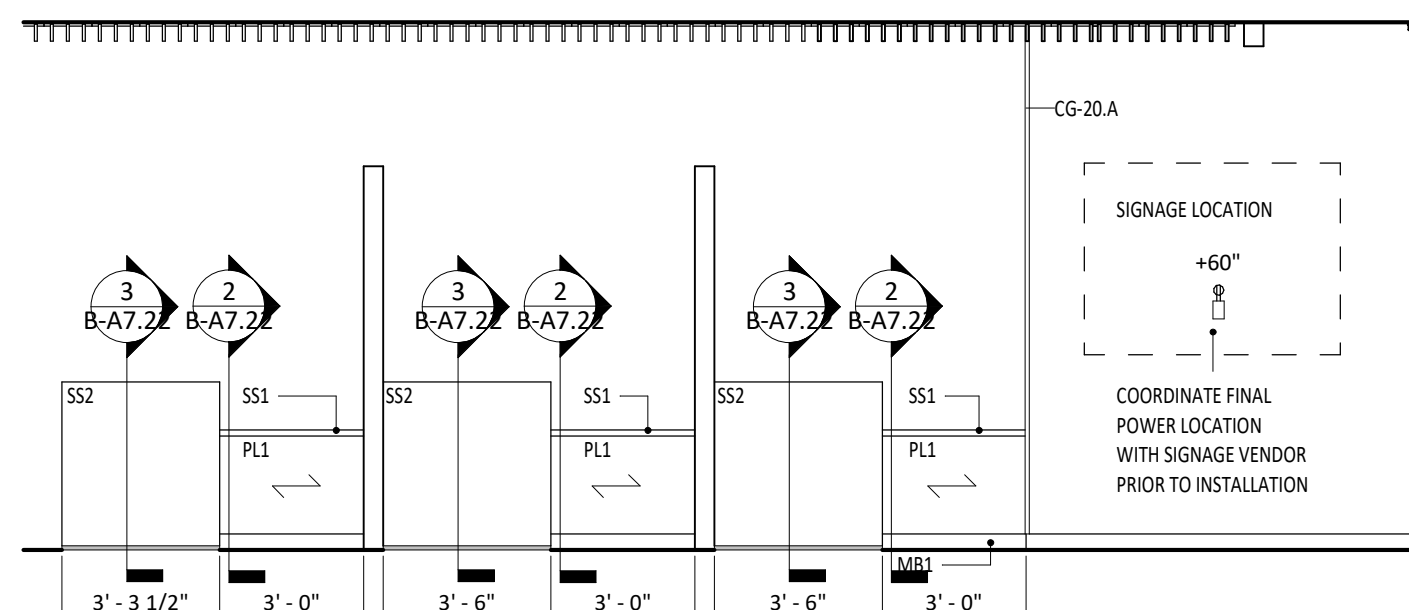
2 2001 WAITING (S) - FIREPLACE/COFFEE BAR
B-A2.10A | B-A6.10 1/4" = 1'-0"



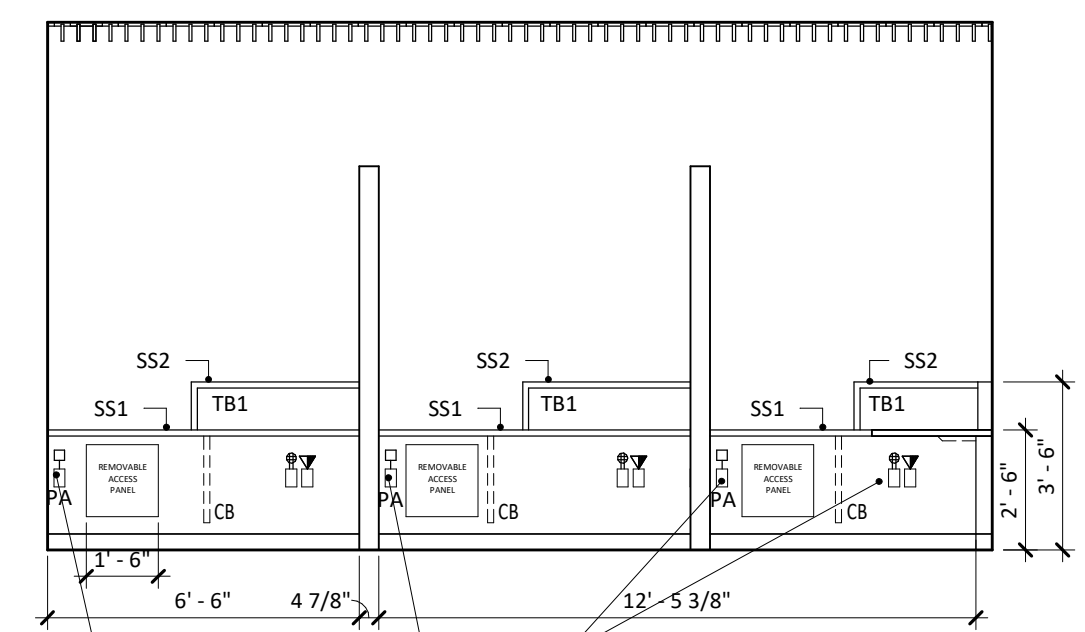
3 2001 WAITING BAR SEATING NORTH
B-A2.10A | B-A6.10 1/4" = 1'-0"



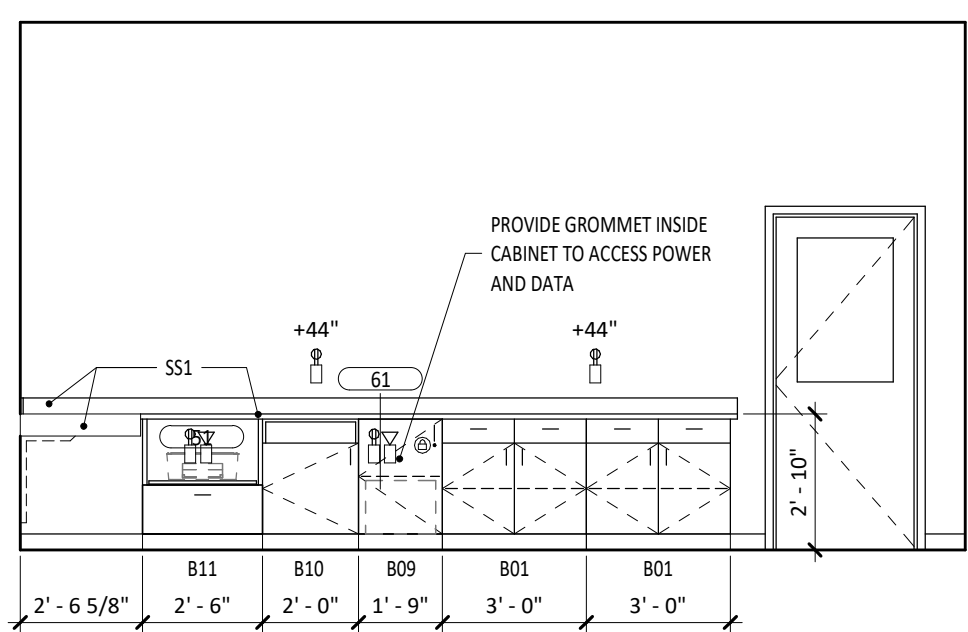
4 2001 WAITING BAR SEATING SOUTH
B-A2.10A | B-A6.10 1/4" = 1'-0"



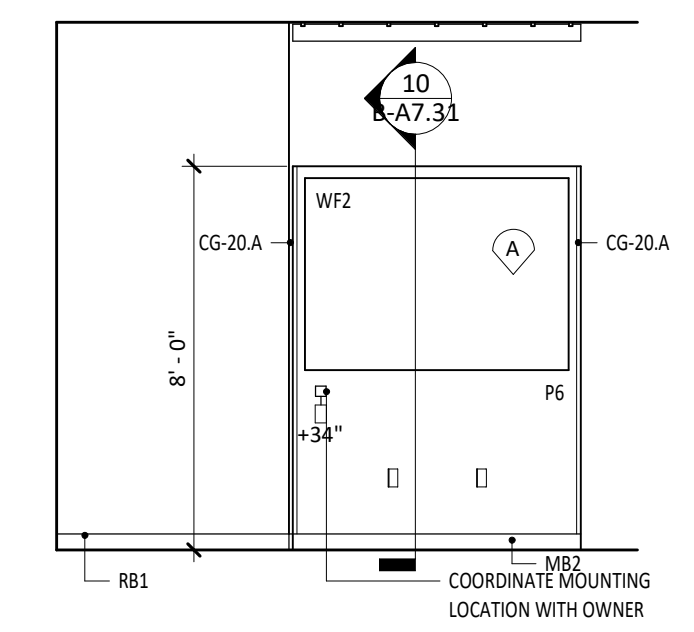
5 2002 RECEPTION (E)
B-A2.10A | B-A6.10 1/4" = 1'-0"



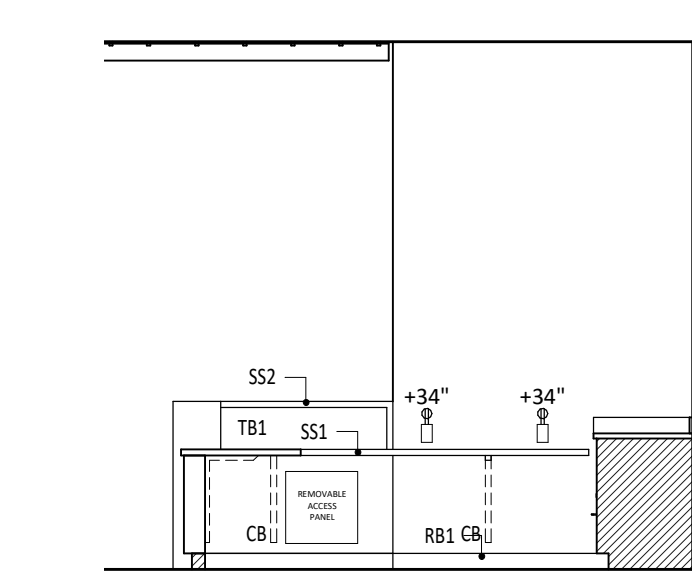
6 2002 RECEPTION (W)
B-A2.10A | B-A6.10 1/4" = 1'-0"



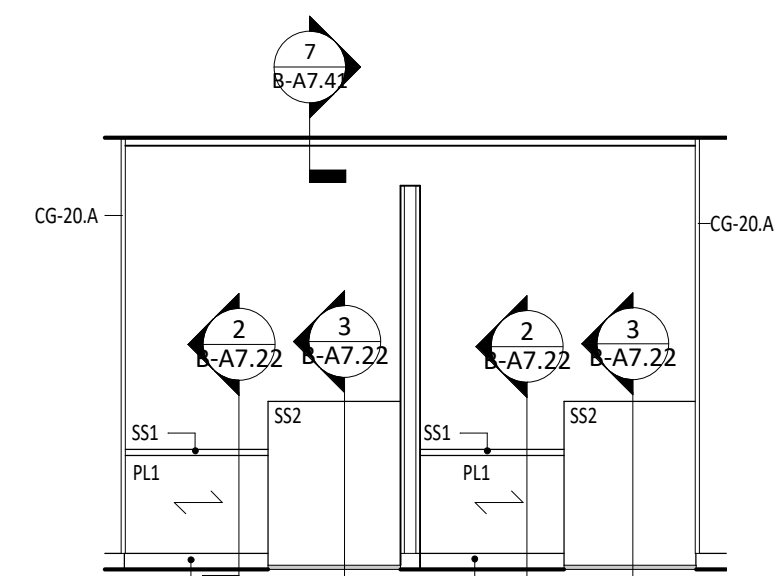
7 2002 RECEPTION DESK (E)
B-A2.10A | B-A6.10 1/4" = 1'-0"



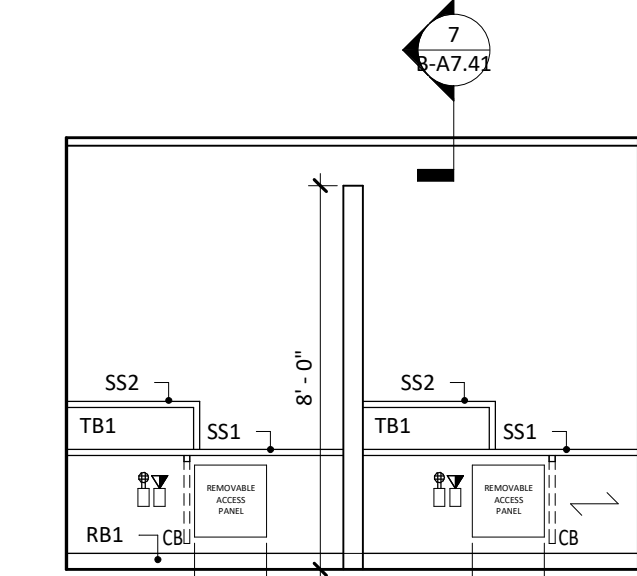
8 2002 RECEPTION (S)
B-A2.10A | B-A6.10 1/4" = 1'-0"



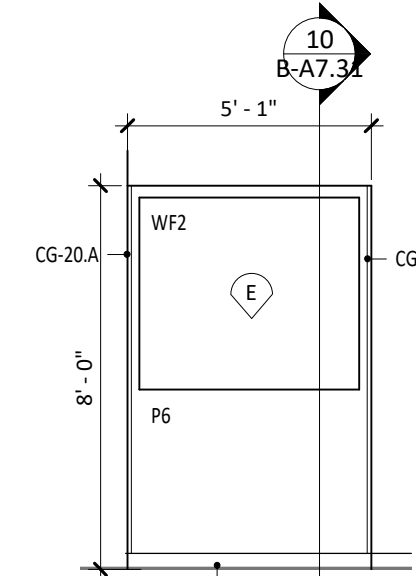
9 2002 RECEPTION (N)
B-A2.10A | B-A6.10 1/4" = 1'-0"



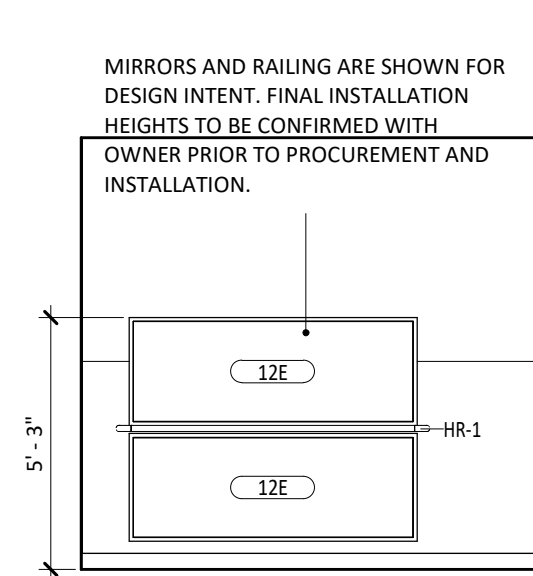
10 2003 CHECK OUT (N)
B-A2.10A | B-A6.10 1/4" = 1'-0"



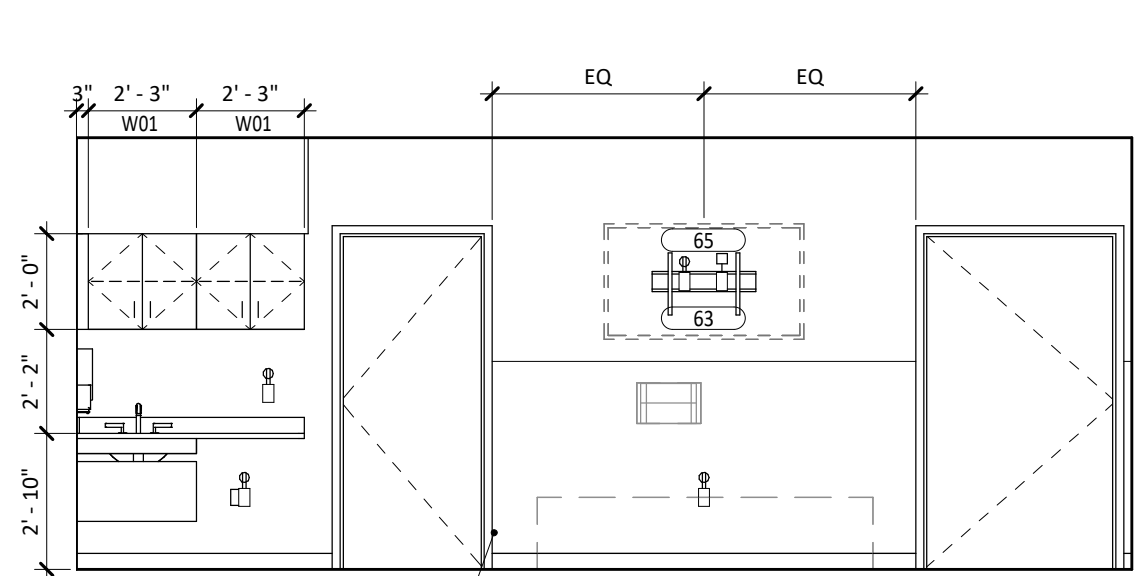
11 2003 CHECK OUT (S)
B-A2.10A | B-A6.10 1/4" = 1'-0"



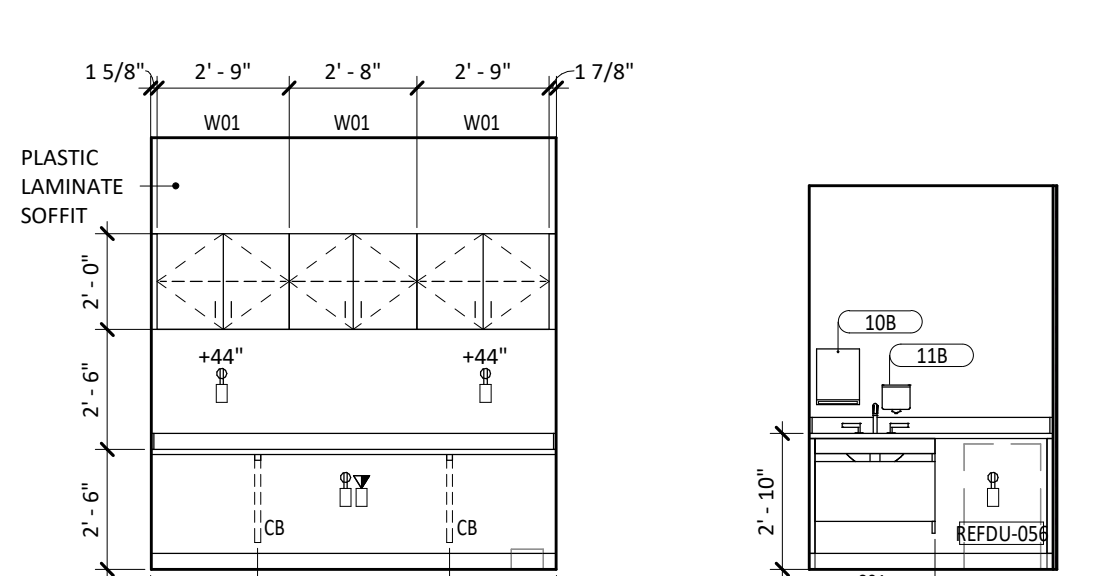
12 2003 CHECK OUT
B-A2.10A | B-A6.10 1/4" = 1'-0"



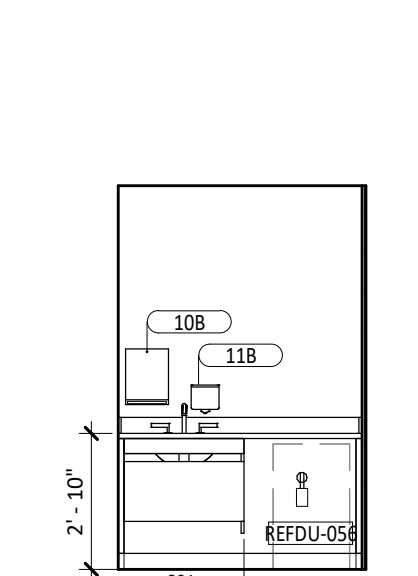
13 2005 PT GYM (E)
B-A2.10A | B-A6.10 1/4" = 1'-0"



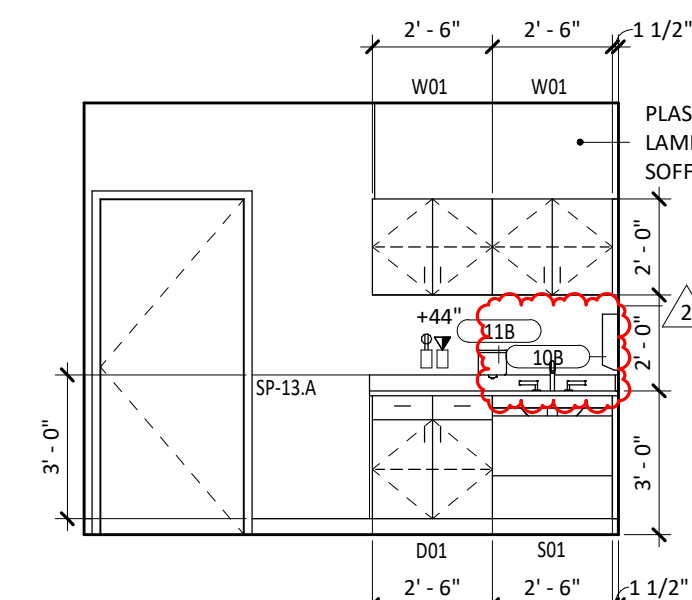
14 2005 PT GYM (S)
B-A2.10B | B-A6.10 1/4" = 1'-0"



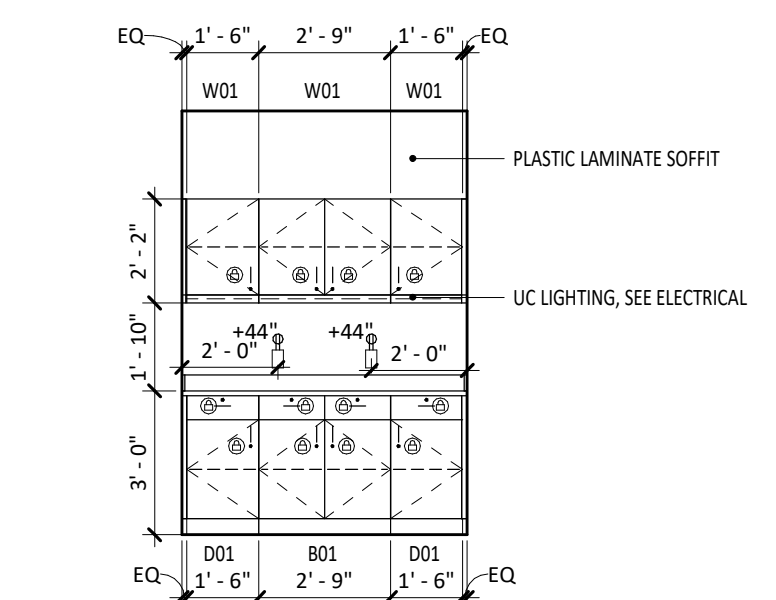
15 2009 PT STORAGE (E)
B-A2.10B | B-A6.10 1/4" = 1'-0"



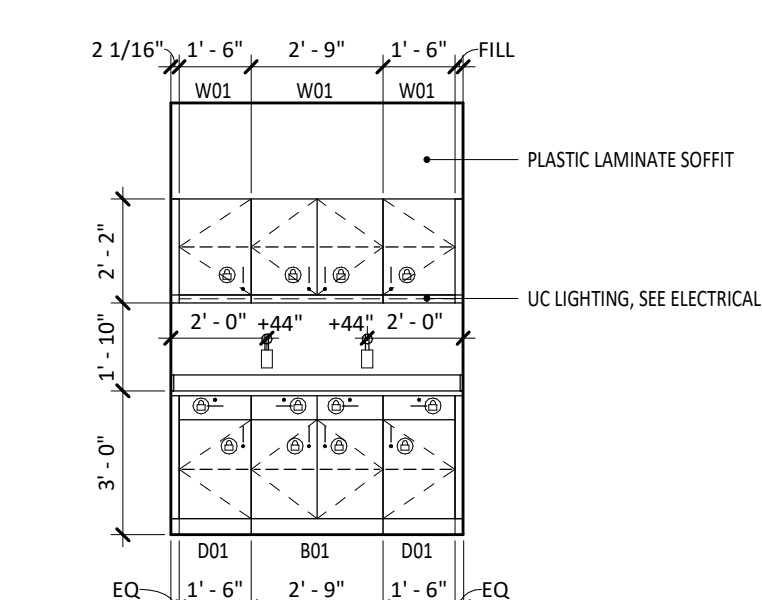
16 2015 LACTATION (E)
B-A6.10 1/4" = 1'-0"



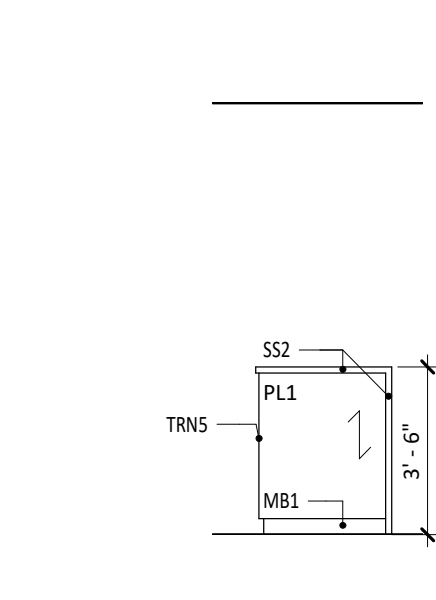
17 2019 GAIT LAB (E)
B-A2.10B | B-A6.10 1/4" = 1'-0"



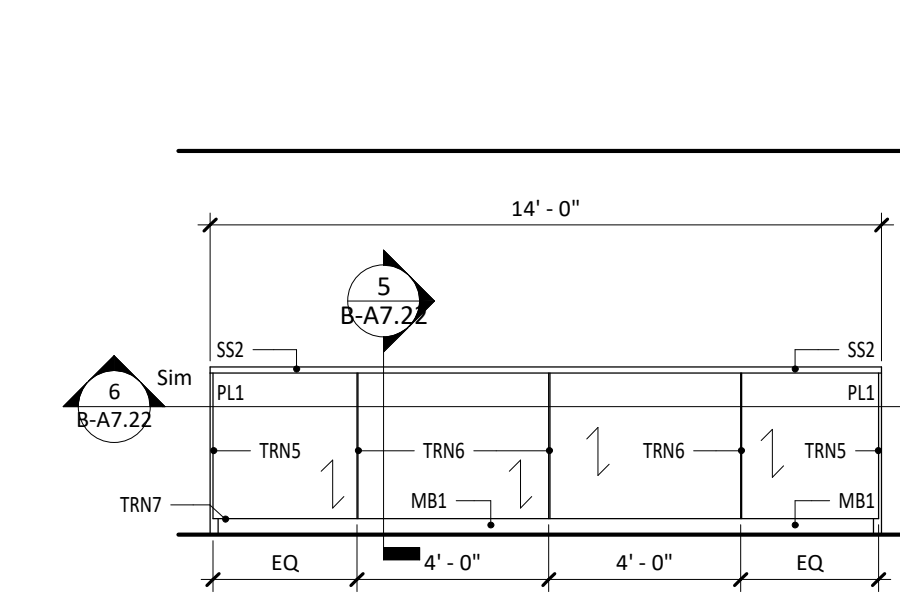
18 2028 NURSE STATION COUNTER (N)
B-A2.10B | B-A6.10 1/4" = 1'-0"



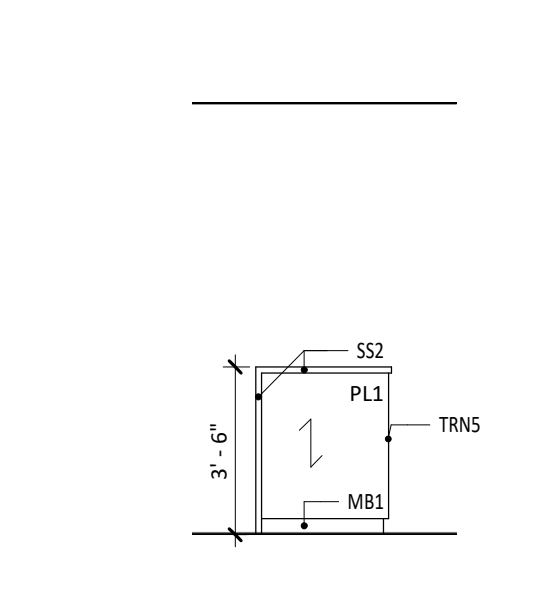
19 2046 NURSE STATION COUNTER (N)
B-A2.10C | B-A6.10 1/4" = 1'-0"



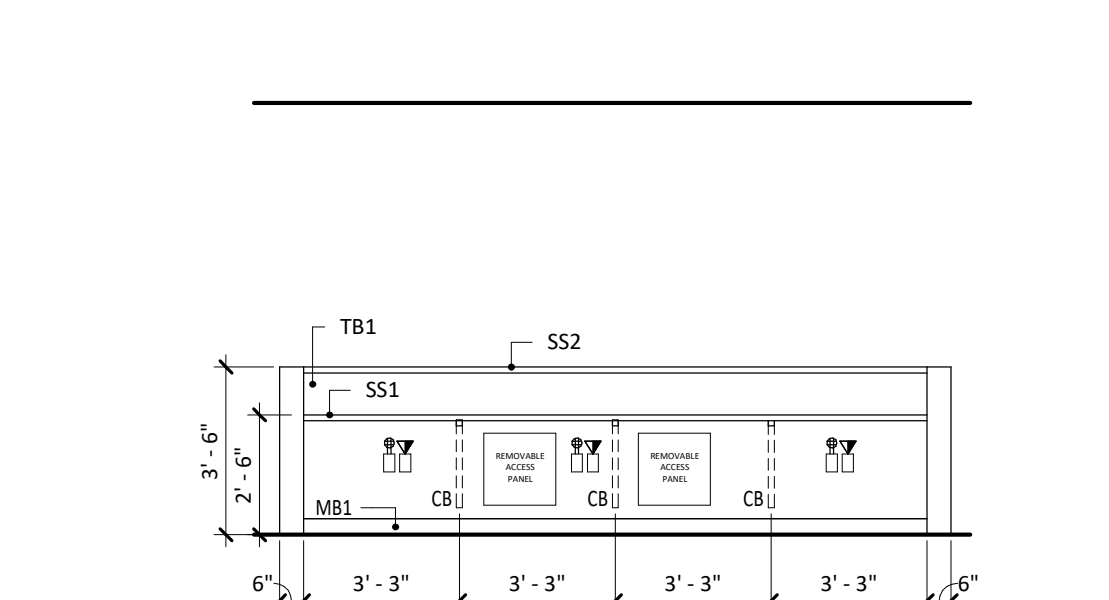
20 2028 NURSE STATION (N)
B-A2.10A | B-A6.10 1/4" = 1'-0"



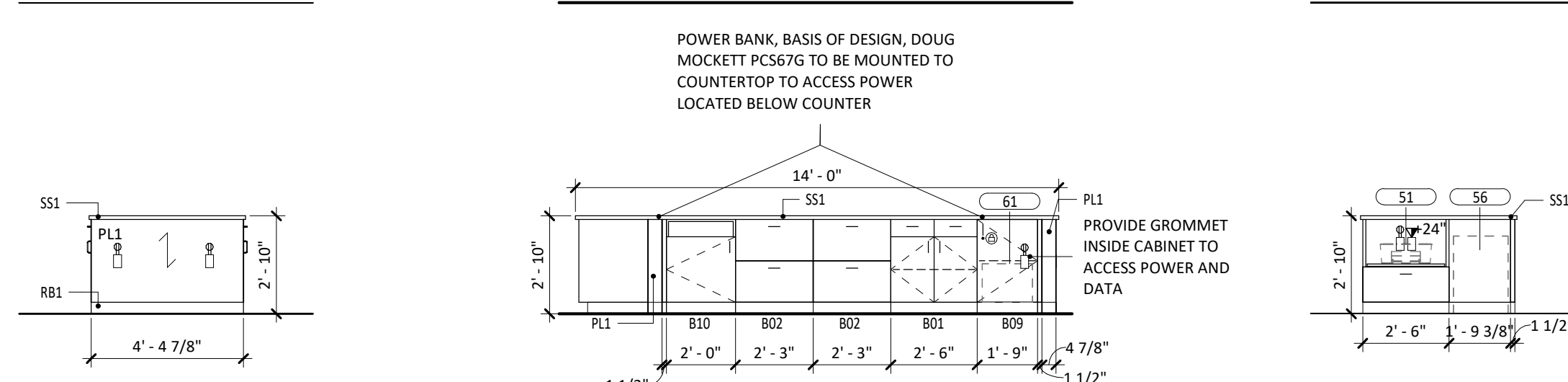
21 2028 NURSE STATION (E)
B-A2.10A | B-A6.10 1/4" = 1'-0"



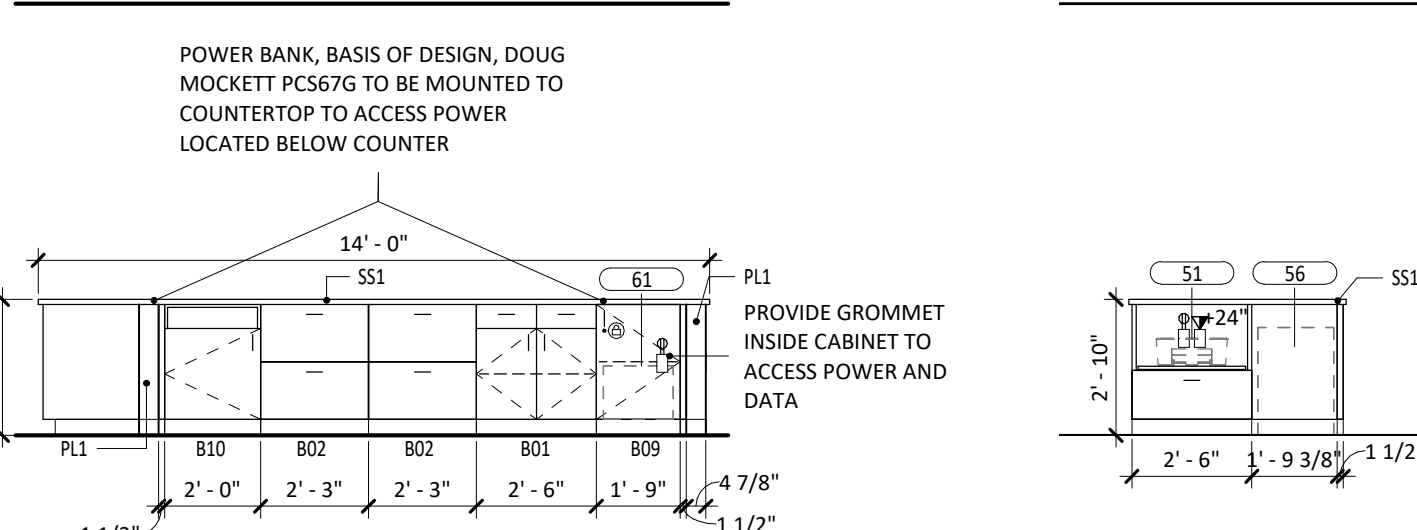
22 2028 NURSE STATION (S)
B-A2.10A | B-A6.10 1/4" = 1'-0"



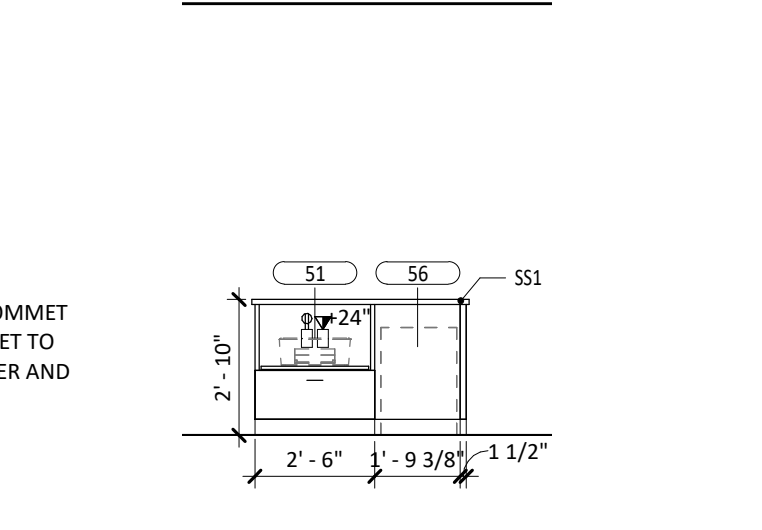
23 2028 NURSE STATION (W)
B-A2.10A | B-A6.10 1/4" = 1'-0"



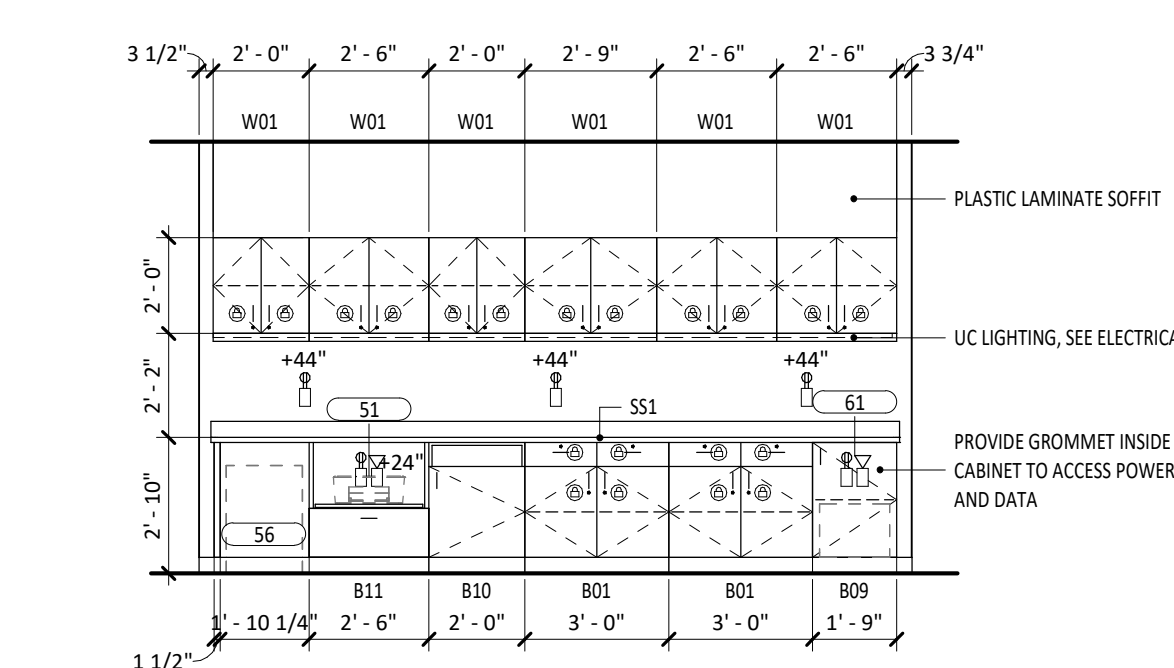
24 2028 NURSE STATION DESK (N)
B-A2.10A | B-A6.10 1/4" = 1'-0"



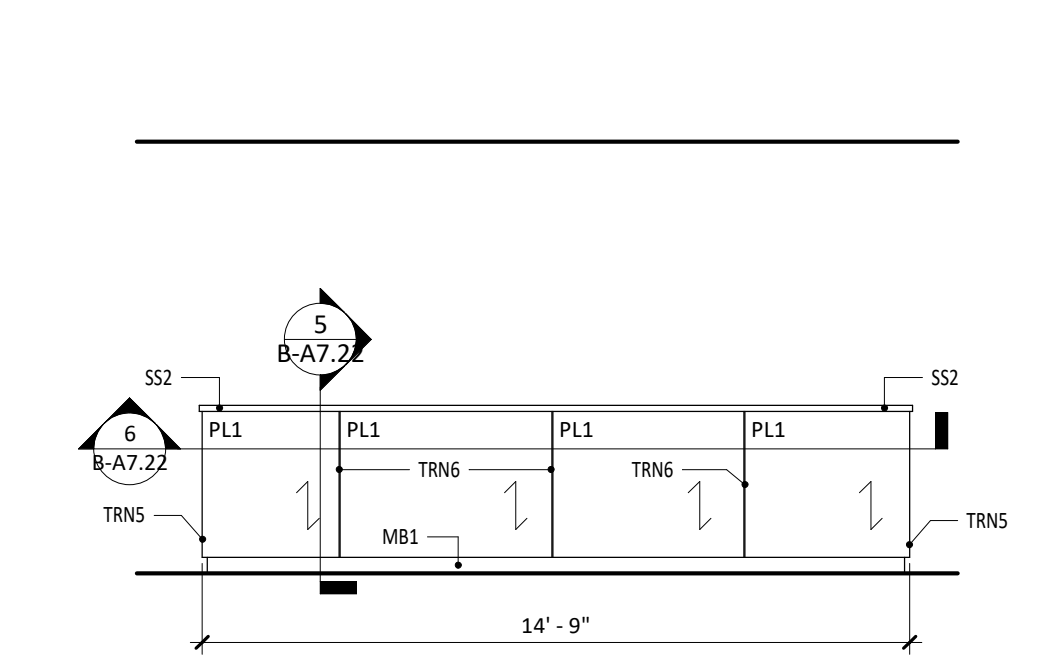
25 2028 NURSE STATION DESK (E)
B-A2.10A | B-A6.10 1/4" = 1'-0"



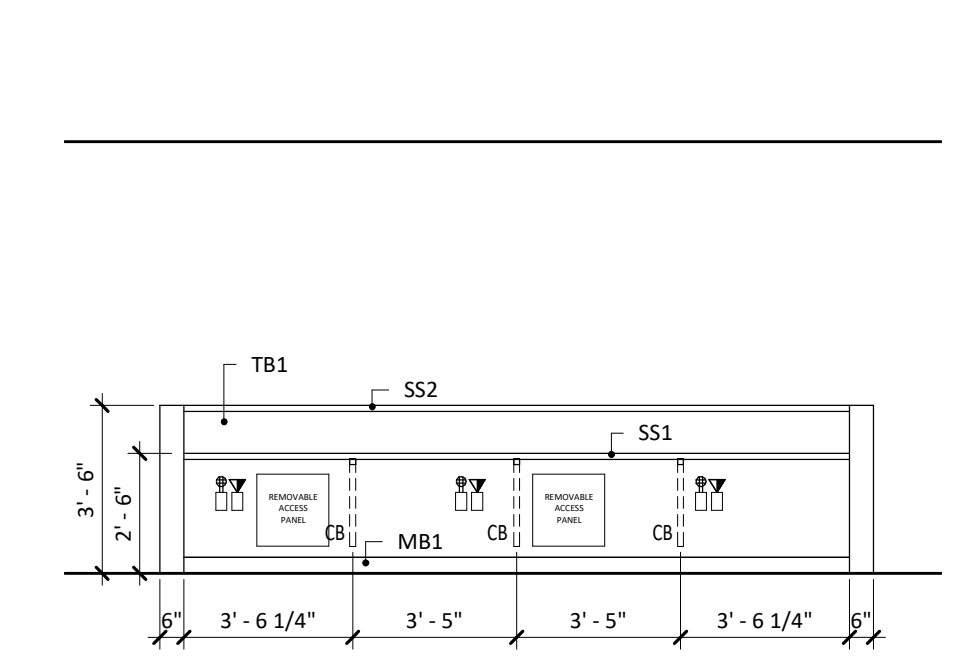
26 2028 NURSE STATION DESK (S)
B-A2.10A | B-A6.10 1/4" = 1'-0"



27 2062 NURSE STATION (W)
B-A2.10C | B-A6.10 1/4" = 1'-0"



28 2062 NURSE STATION DESK (W)
B-A2.10C | B-A6.10 1/4" = 1'-0"



29 2062 NURSE STATION (E)
B-A2.10C | B-A6.10 1/4" = 1'-0"

INTERIOR ELEVATION NOTES

1. GRAIN PATTERN ON ALL WOODGRAIN LAMINATES TO RUN VERTICALLY, UNLESS NOTED OTHERWISE.
2. CASEWORK TYPE MARKS ARE LOCATED OUTSIDE THE ELEVATION. SEE CASEWORK SECTIONS AND DETAILS.
3. SEE A7 SHEETS FOR BACKING DETAILS.
4. CONCEALED BRACES ARE LABELED AS "CB". SEE SHEET A7.20 FOR DETAIL.
5. SEE A7 SHEETS FOR STANDARD ACCESSIBILITY DETAILS AND DIMENSIONS.
6. ALL CASEWORK EXPOSED SURFACES SHALL HAVE PLASTIC LAMINATE FINISHED FACES AND FINISHED EDGES.
7. PROVIDE A CAM LOCK ON ALL CABINETS WITH LOCK SYMBOLS. THE LOCK SYMBOL IS INDICATED BY A BLACK CIRCLE WITH WITH AN ADJACENT LOCK SYMBOL.
8. PROVIDE AND INSTALL 3" DIAMETER GROMMETS (MOCKETT XG1-WHITE OR APPROVED EQUAL) WITHIN NEW CASEWORK. ASSUME ONE GROMMET WILL BE INSTALLED OVER EACH POWER OUTLET SHOWN BELOW A CASEWORK COUNTER. THE EXACT LOCATION OF THE GROMMETS MUST BE DETERMINED BY THE OWNER.
9. ALL FINISHES TO CONTINUE BEHIND AND UNDERNEATH ALL EQUIPMENT, ACCESSORIES, AND MOVABLE CASEWORK.
10. SEE A7 SHEETS FOR MOUNTING OF MIRRORS AT WAINSCOT WALLS.
11. SEE MATERIALS LIST ON THE A2 SHEETS FOR MATERIAL TYPES.
12. SEAL AROUND ALL JOINTS AT CABINETS AND COUNTERTOPS.



BOULDER ASSOCIATES

5646 MILTON STREET, SUITE 240
DALLAS, TEXAS 75206
214.420.5700

PROJECT 225462.00

IJRI - MEDICAL
CENTER

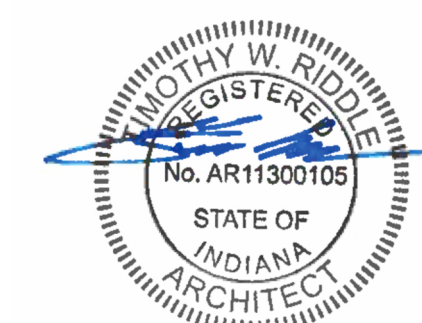
14065 BORG WARNER DRIVE
NOBLESVILLE, IN 46060

CONSTRUCTION
DOCUMENTS

DATE 2023.04.28

REVISIONS

#	DESCRIPTION	DATE
2	Addendum #2	2023.06.07



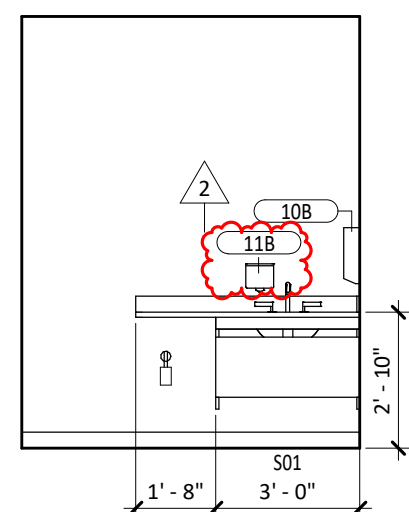
2023.06.07

SHEET TITLE

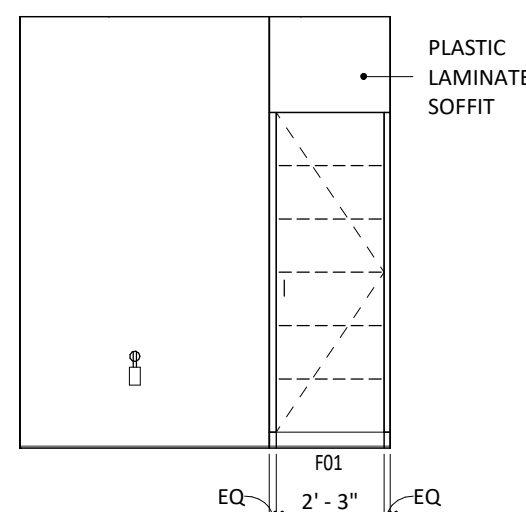
INTERIOR ELEVATIONS

SHEET NUMBER

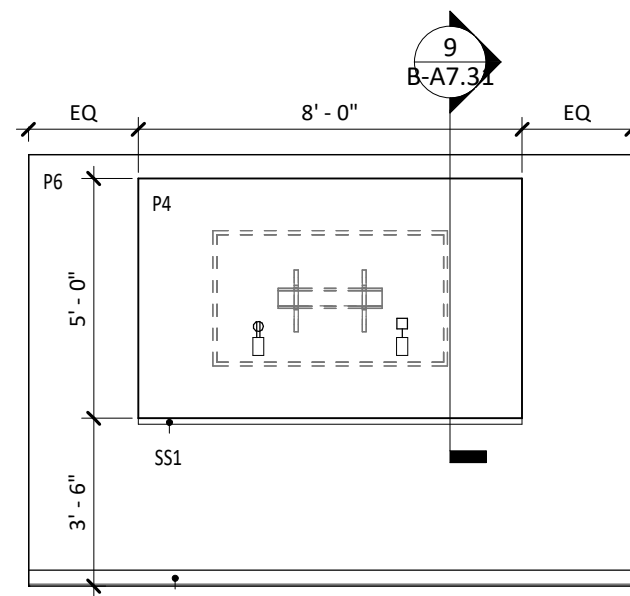
B-A6.10



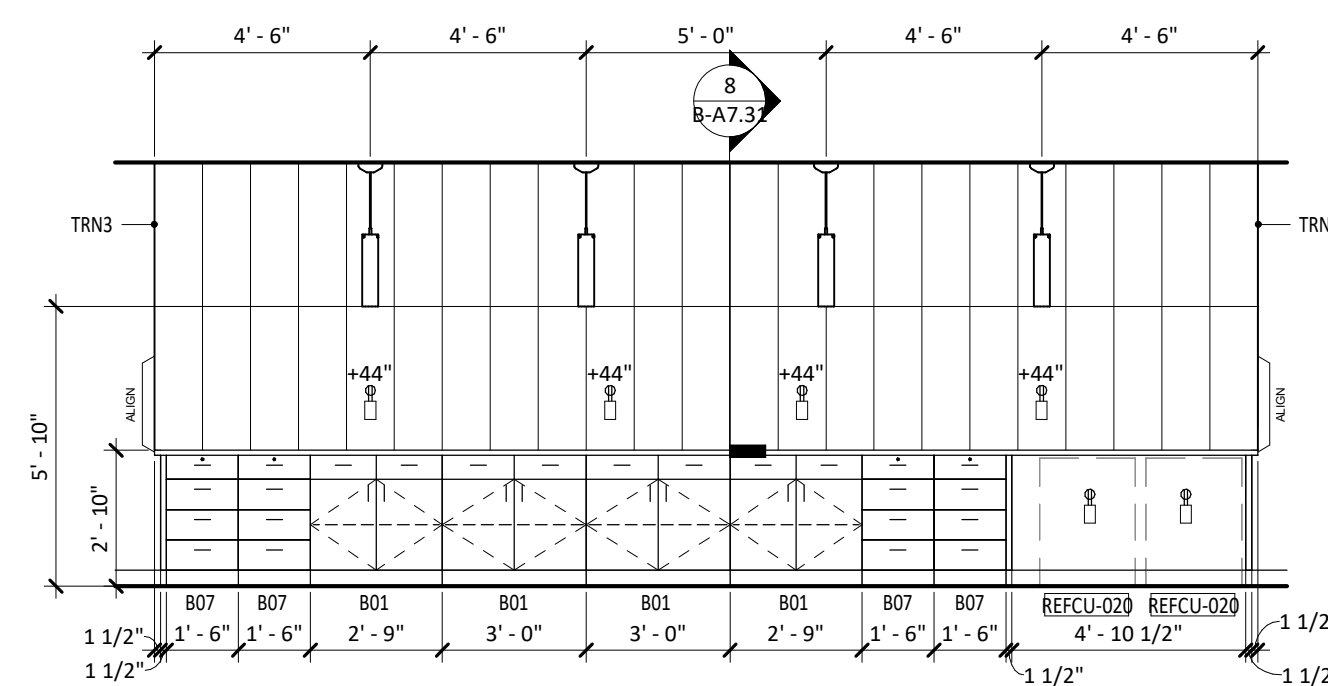
1 2064 BLOOD DRAW (W)
B-A2.10C B-A6.11 1/4" = 1'-0"



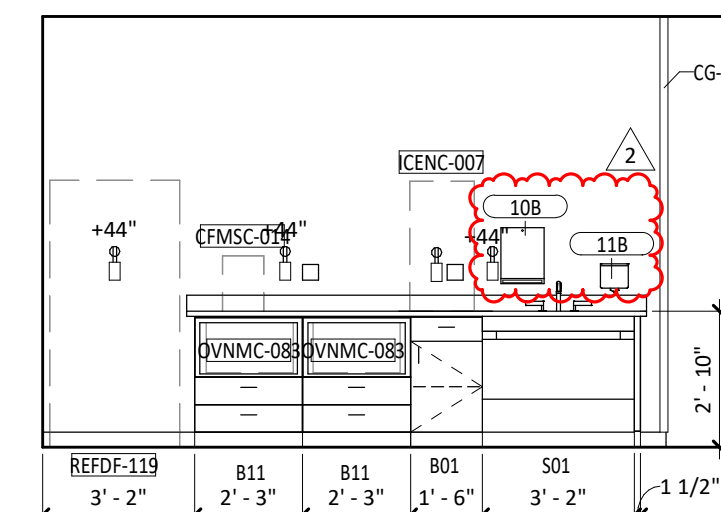
2 B2068 XRAY WAIT (S)



14 2071 CONFERENCE (E)
B-A2.10C B-A6.11 1/4" = 1'-0"



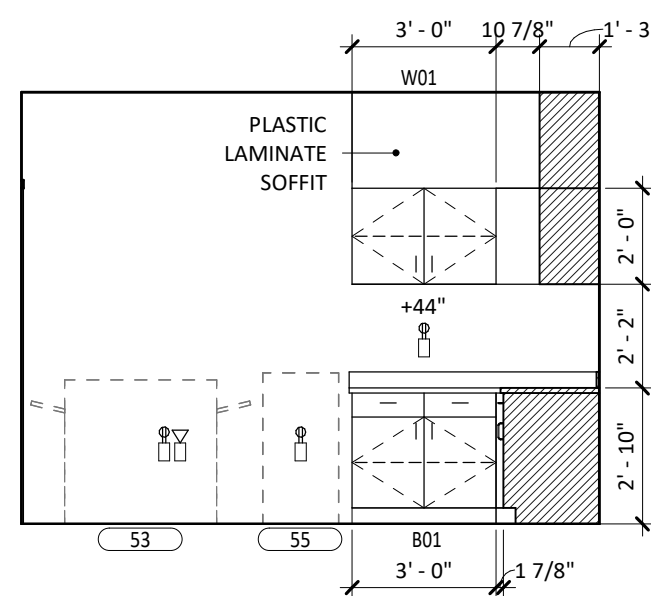
3 2072 STAFF LOUNGE (N)



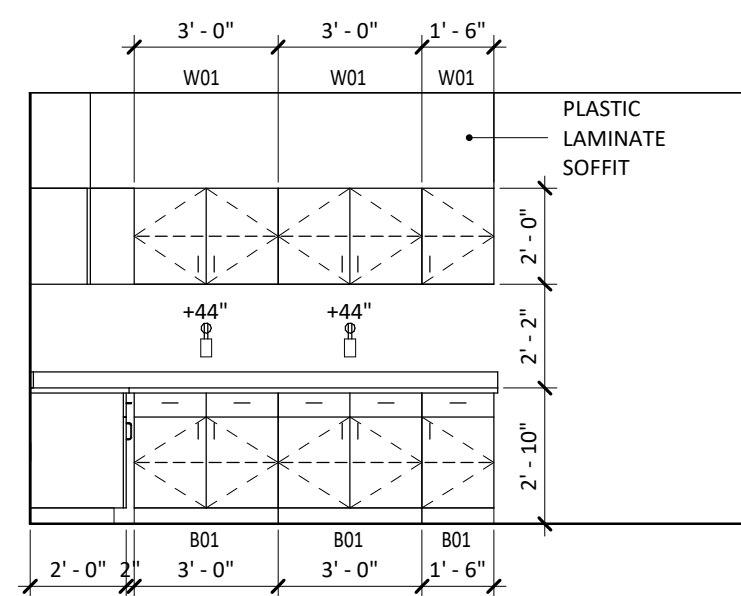
4 2072 STAFF LOUNGE (W)

- ## INTERIOR ELEVATION NOTES

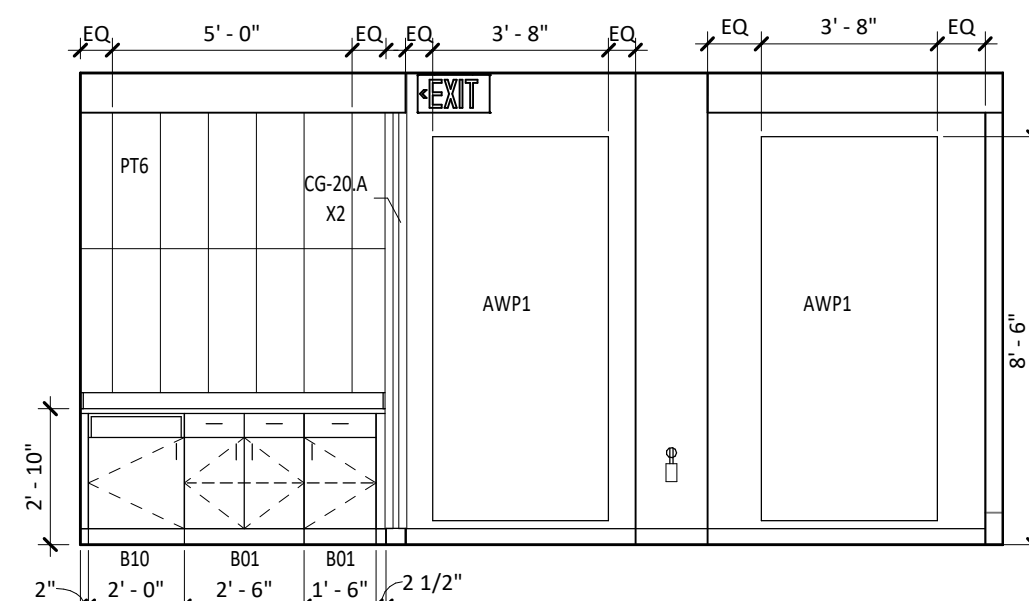
1. GRAIN PATTERN ON ALL WOODGRAIN LAMINATES TO RUN VERTICALLY, UNLESS NOTED OTHERWISE.
2. CASEWORK TYPE MARKS ARE LOCATED OUTSIDE THE ELEVATION. SEE CASEWORK SECTIONS AND DETAILS.
3. SEE AT DETAILS FOR BACKING DETAILS.
4. CONCEALED BRACES ARE LABELED AS "CB". SEE SHEET A7.20 FOR DETAIL.
5. SEE AT DETAILS FOR STANDARD ACCESSIBILITY DETAILS AND DIMENSIONS.
6. ALL CASEWORK EXPOSED SURFACES SHALL HAVE PLASTIC LAMINATE FINISHED FACES AND FINISHED EDGES.
7. PROVIDE A CAM LOCK ON ALL CABINETS WITH LOCK SYMBOLS. THE LOCK SYMBOL IS INDICATED BY A BLACK CIRCLE WITH WITH AN ADJACENT LOCK SYMBOL.
8. PROVIDE AND INSTALL 3" DIAMETER GROMMETS (MOCKETT X63-1) TO PROVIDE ACCESS WITHIN NEW CASEWORK. ASSUME ONE GROMMET WILL BE INSTALLED OVER EACH POWER OUTLET SHOWN BELOW A CASEWORK COUNTER. THE EXACT LOCATION OF THE GROMMETS MUST BE DETERMINED BY THE OWNER.
9. ALL FINISHES TO CONTINUE BEHIND AND UNDERNEATH ALL EQUIPMENT, ACCESSORIES, AND MOVABLE CASEWORK.
10. SEE DETAILS FOR MOUNTING STRIPS AT SHEET 01 WALLS.
11. SEE MATERIALS LIST ON THE A2 SHEETS FOR MATERIAL TYPES.
12. SEAL AROUND ALL JOINTS AT CABINETS AND COUNTERTOPS.



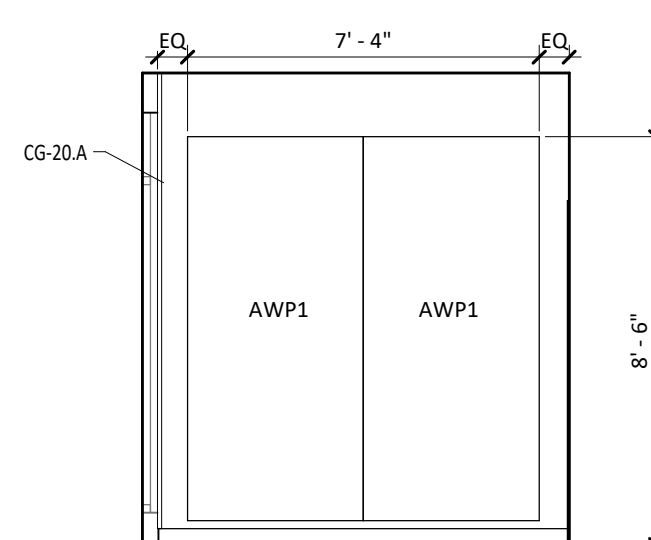
5 2074 WORK (N)



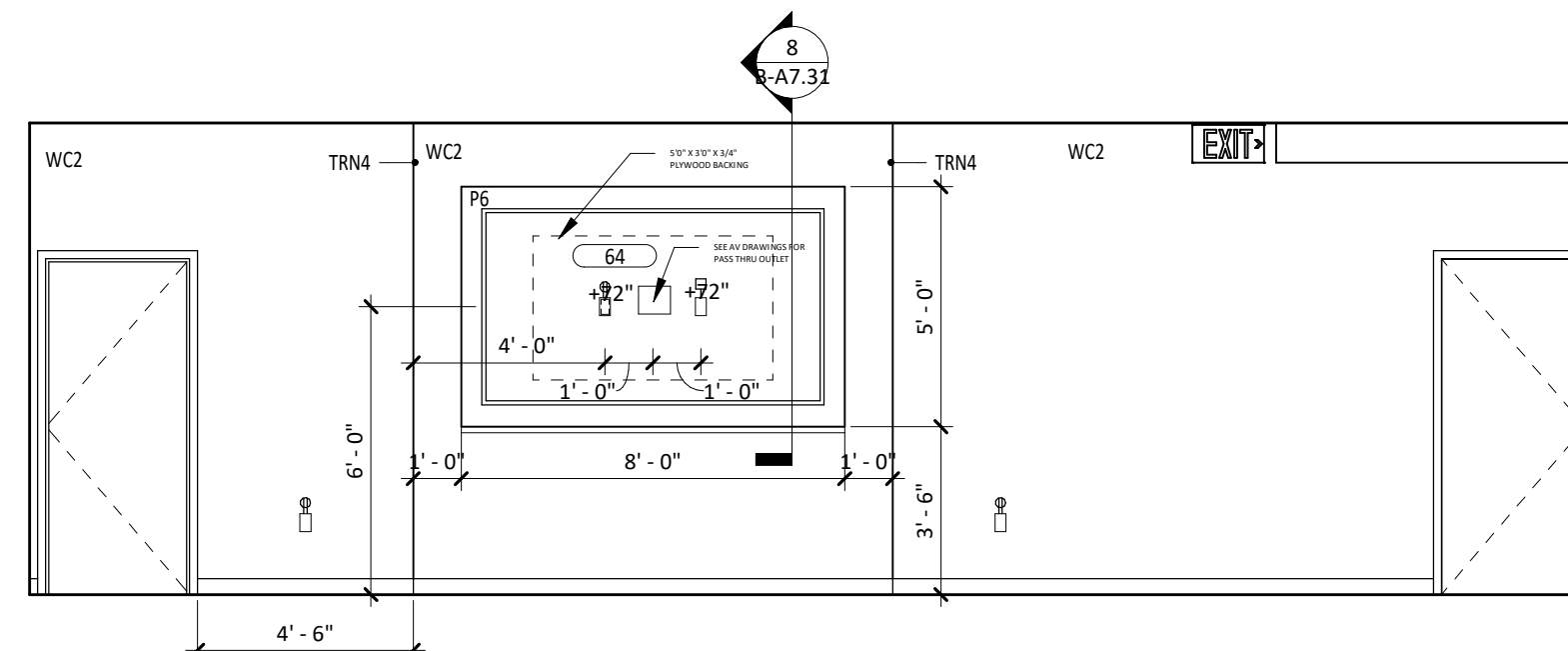
6 2074 WORK (E)



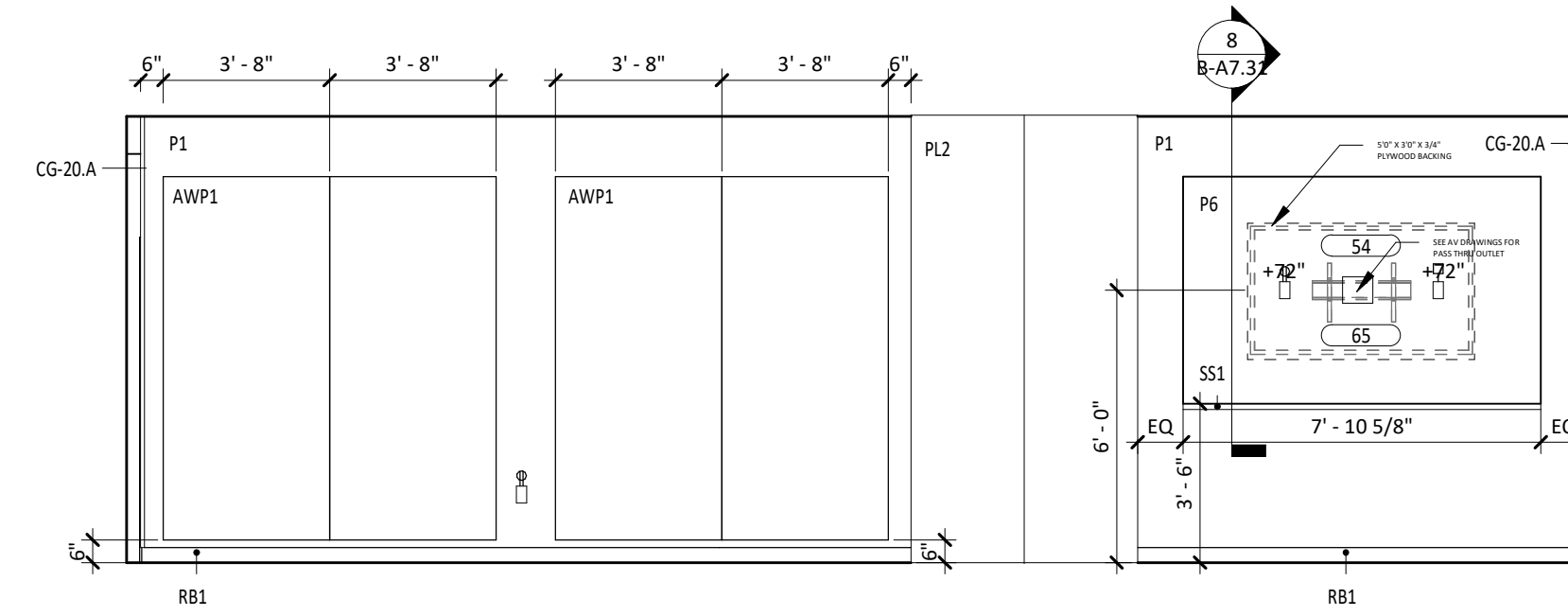
7 2084 EDUCATION/CONFERENCE (N)
B-A2.10D B-A6.11 1/4" = 1'-0"



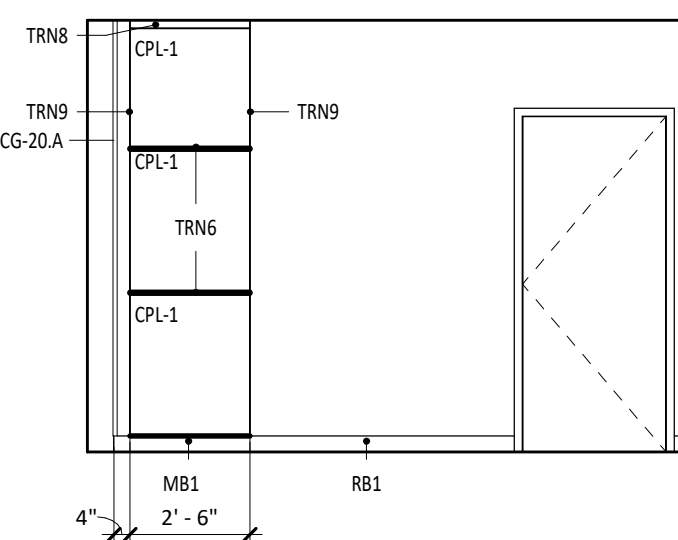
8 2082 EDUCATION/CONFERENCE (E)
B-A2.10D B-A6.11 1/4" = 1'-0"



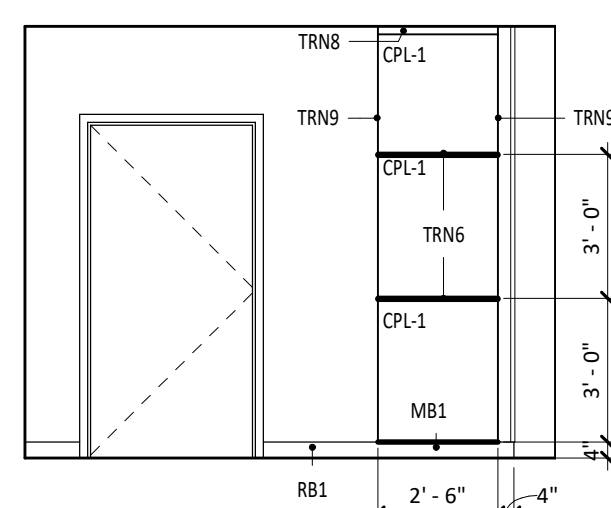
9 2082 EDUCATION/CONFERENCE (S)
B-A2.10D B-A6.11 1/4" = 1'-0"



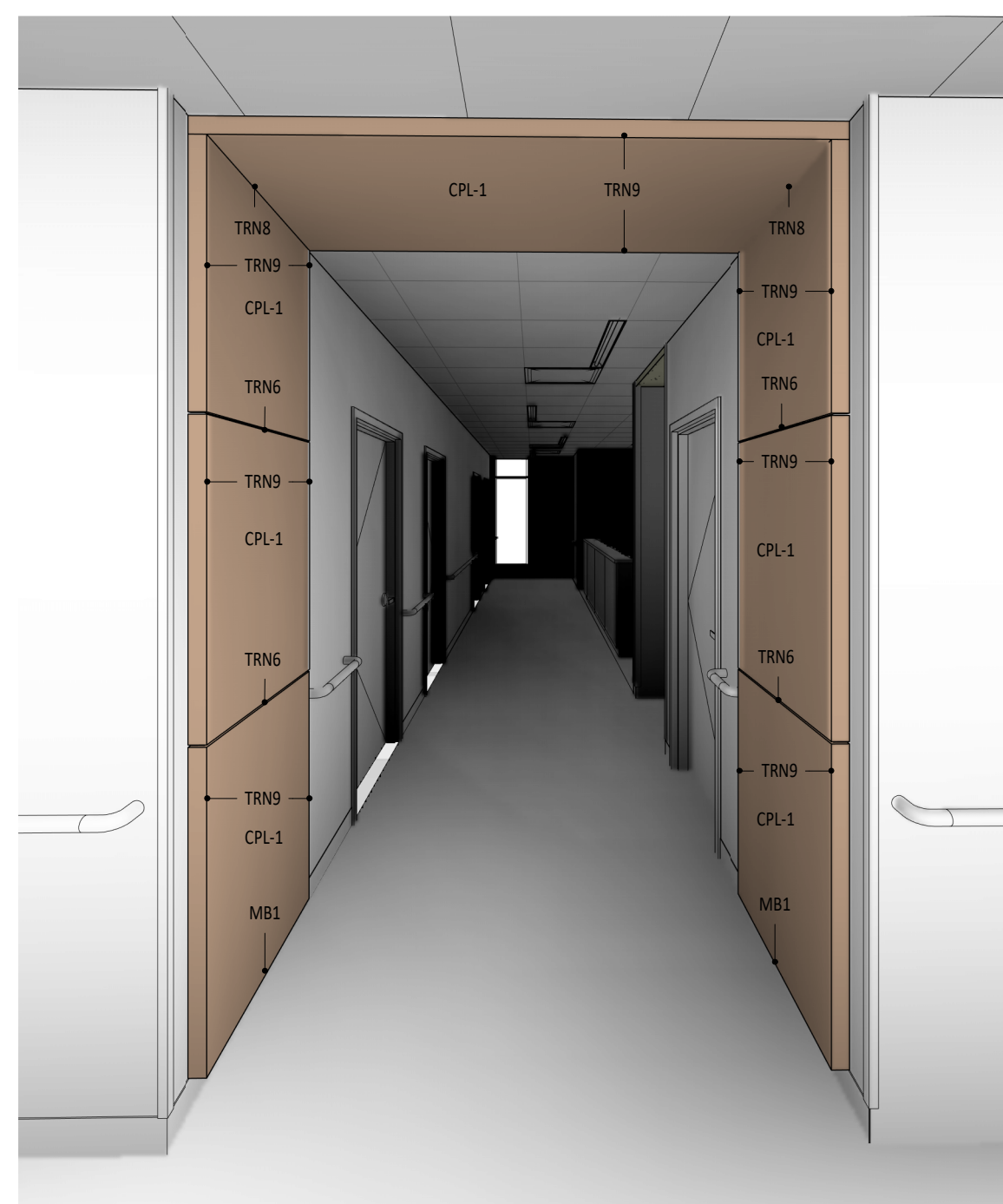
10		2082/B2084 EDUCATION/CONFERENCE (W)	
B-A2.10D	B-A6.11	1/4" = 1'-0"	



11 TYPICAL CORRIDOR MILLWORK ACCENT



12 TYPICAL CORRIDOR MILLWORK ACCENT B
B-A2.10A | B-A6.11 1/4" = 1'-0"



13 3D VIEW OF CORRIDOR MILLWORK
B-A6.11



BOULDER ASSOCIATES

5646 MILTON STREET, SUITE 240
DALLAS, TEXAS 75206
214.420.5700

PROJECT	225462.00
---------	-----------

**IJRI - MEDICAL
CENTER**

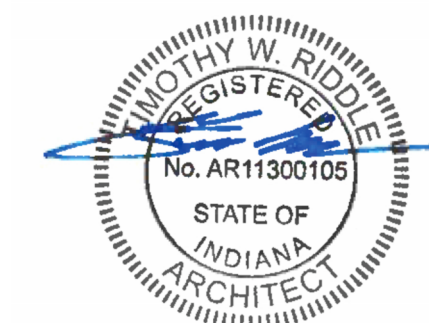
14065 BORG WARNER DRIVE
NOBLESVILLE, IN 46060

**CONSTRUCTION
DOCUMENTS**

DATE	2023.04.28
------	------------

REVISIONS

#	DESCRIPTION	DATE
2	Addendum #2	2023.06.07



2023.06.07

SHEET TITLE

INTERIOR ELEVATIONS

SHEET NUMBER

B-A6.11

FEEDER CIRCUIT SCHEDULE - COPPER

AMPS	CONDUCTORS	EMT	PVC 40	CONDUCTORS	EMT	PVC 40
175	3#20 CU, #6 CU G	2" C	2" C	4#20 CU, #6 CU G	2" C	2" C
200	3#30 CU, #6 CU G	2 1/2" C	2 1/2" C	4#30 CU, #6 CU G	2 1/2" C	2 1/2" C
225	3#40 CU, #4 CU G	2 1/2" C	2 1/2" C	4#40 CU, #4 CU G	2 1/2" C	2 1/2" C
250	3#250 CU, #4 CU G	2 1/2" C	2 1/2" C	4#250 CU, #4 CU G	2 1/2" C	2 1/2" C
400	2 SETS 3#30 CU, #3 CU G	2" C	2" C	2 SETS 4#30 CU, #3 CU G	2" C	2" C
600	2 SETS 3#350 CU, #1 CU G	2 1/2" C	3" C	2 SETS 4#350 CU, #1 CU G	3" C	3" C
800	3 SETS 3#300 CU, #10 CU G	2 1/2" C	3" C	3 SETS 4#300 CU, #10 CU G	2 1/2" C	3" C
1000	3 SETS 3#400 CU, #20 CU G	2 1/2" C	3 1/2" C	3 SETS 4#400 CU, #20 CU G	3" C	3 1/2" C
1200	3 SETS 3#600 CU, #30 CU G	3" C	3 1/2" C	3 SETS 4#600 CU, #30 CU G	3 1/2" C	4" C
1600	4 SETS 3#600 CU, #40 CU G	3" C	3 1/2" C	4 SETS 4#600 CU, #40 CU G	3 1/2" C	4" C
2000	5 SETS 3#600 CU, #250 CU G	3" C	3 1/2" C	5 SETS 4#600 CU, #250 CU G	3 1/2" C	4" C

BRANCH AND FEEDER CIRCUIT SCHEDULE - COPPER

AMPS	CONDUCTORS	EMT	PVC 40	CONDUCTORS	EMT	PVC 40
15	3#12 CU, #12 CU G	3/4" C	3/4" C	4#12 CU, #12 CU G	3/4" C	3/4" C
20	3#12 CU, #12 CU G	3/4" C	3/4" C	4#12 CU, #12 CU G	3/4" C	3/4" C
25	3#10 CU, #10 CU G	3/4" C	3/4" C	4#10 CU, #10 CU G	3/4" C	3/4" C
30	3#10 CU, #10 CU G	3/4" C	3/4" C	4#10 CU, #10 CU G	3/4" C	3/4" C
35	3#8 CU, #10 CU G	3/4" C	3/4" C	4#8 CU, #10 CU G	3/4" C	3/4" C
40	3#8 CU, #10 CU G	3/4" C	3/4" C	4#8 CU, #10 CU G	3/4" C	3/4" C
45	3#6 CU, #10 CU G	3/4" C	3/4" C	4#6 CU, #10 CU G	1" C	1" C
50	3#6 CU, #10 CU G	3/4" C	3/4" C	4#6 CU, #10 CU G	1" C	1" C
60	3#4 CU, #10 CU G	1" C	1" C	4#4 CU, #10 CU G	1 1/4" C	1 1/4" C
70	3#4 CU, #8 CU G	1" C	1" C	4#4 CU, #8 CU G	1 1/4" C	1 1/4" C
80	3#3 CU, #8 CU G	1 1/4" C	1 1/4" C	4#3 CU, #8 CU G	1 1/4" C	1 1/4" C
90	3#2 CU, #8 CU G	1 1/4" C	1 1/4" C	4#2 CU, #8 CU G	1 1/4" C	1 1/4" C
100	3#1 CU, #8 CU G	1 1/4" C	1 1/2" C	4#1 CU, #8 CU G	1 1/2" C	1 1/2" C
110	3#1 CU, #6 CU G	1 1/4" C	1 1/2" C	4#1 CU, #6 CU G	1 1/2" C	1 1/2" C
125	3#1 CU, #6 CU G	1 1/4" C	1 1/2" C	4#1 CU, #6 CU G	1 1/2" C	1 1/2" C
150	3#10 CU, #6 CU G	1 1/2" C	1 1/2" C	4#10 CU, #6 CU G	2" C	2" C

SCHEDULE NOTES:

1. COPPER CONDUCTOR AMPACITY SIZES BASED ON NEC TABLE 310.15(B)(16). CONDUCTORS 100 AMPS AND LESS UTILIZE UTILIZE 60°C. CONDUCTORS GREATER THAN 100 AMPS UTILIZE 75°C.
2. GROUND CONDUCTOR SIZES ARE BASED ON NEC TABLE 250.122.
3. CONDUIT SIZES ARE BASED ON NEC TABLES C.1 (EMT) AND C.10 (PVC).
4. CONDUIT SIZES FOR OTHER INSULATION CHARACTERISTIC, USE THE NEC, ANNEX C TABLE.

FEEDER CIRCUIT SCHEDULE - ALUMINUM

AMPS	CONDUCTORS	EMT	PVC 40	CONDUCTORS	EMT	PVC 40
175	3#40 AL, #4 AL G	2" C	2" C	4#40 AL, #4 AL G	2 1/2" C	2 1/2" C
200	3#250 AL, #2 AL G	2 1/2" C	2 1/2" C	4#250 AL, #2 AL G	2 1/2" C	3" C
225	3#300 AL, #2 AL G	2 1/2" C	2 1/2" C	4#300 AL, #2 AL G	2 1/2" C	3" C
250	3#350 AL, #2 AL G	2 1/2" C	3" C	4#350 AL, #2 AL G	3" C	3" C
400	2 SETS 3#250 AL, #1 AL G	2 1/2" C	2 1/2" C	2 SETS 4#250 AL, #1 AL G	2 1/2" C	2 1/2" C
600	2 SETS 3#500 AL, #20 AL G	3" C	3" C	2 SETS 4#500 AL, #20 AL G	3" C	3 1/2" C
800	3 SETS 3#400 AL, #30 AL G	2 1/2" C	3" C	3 SETS 4#400 AL, #30 AL G	3" C	3" C
1000	3 SETS 3#600 AL, #40 AL G	3" C	3 1/2" C	3 SETS 4#600 AL, #40 AL G	3 1/2" C	4" C
1200	4 SETS 3#600 AL, #250 AL G	3" C	3" C	4 SETS 4#600 AL, #250 AL G	3" C	3 1/2" C
1600	5 SETS 3#600 AL, #350 AL G	3" C	3 1/2" C	5 SETS 4#600 AL, #350 AL G	3 1/2" C	4" C
2000	6 SETS 3#600 AL, #400 AL G	3" C	3 1/2" C	6 SETS 4#600 AL, #400 AL G	3 1/2" C	4" C

TRANSFORMER SCHEDULE - COPPER

KVA	PRIMARY		SECONDARY		GROUNDING ELECTRODE
	OCP A/P	CONDUCTORS/CONDUIT	OCP A/P	CONDUCTORS/CONDUIT	
15	25/3	3#10, #10G, 3/4"	60/3	4#4, #6G, 1-1/4"	1#6G
30	50/3	3#6, #10G, 3/4"	100/3	4#1, #6G, 1-1/2"	1#6G
45	70/3	3#4, #6G, 1"	150/3	4#10, #6G, 2"	1#6G
75	125/3	3#1, #6G, 1-1/4"	225/3	4#40, #2G, 2-1/2"	1#2G
112.5	175/3	3#2/0, #6G, 2"	400/3	4#600KCM, #10G, 3-1/2"	1#10G
150	225/3	3#4/0, #4G, 2"	500/3	2 SETS OF 4#250KCM, #10G, 2-1/2"	1#10G

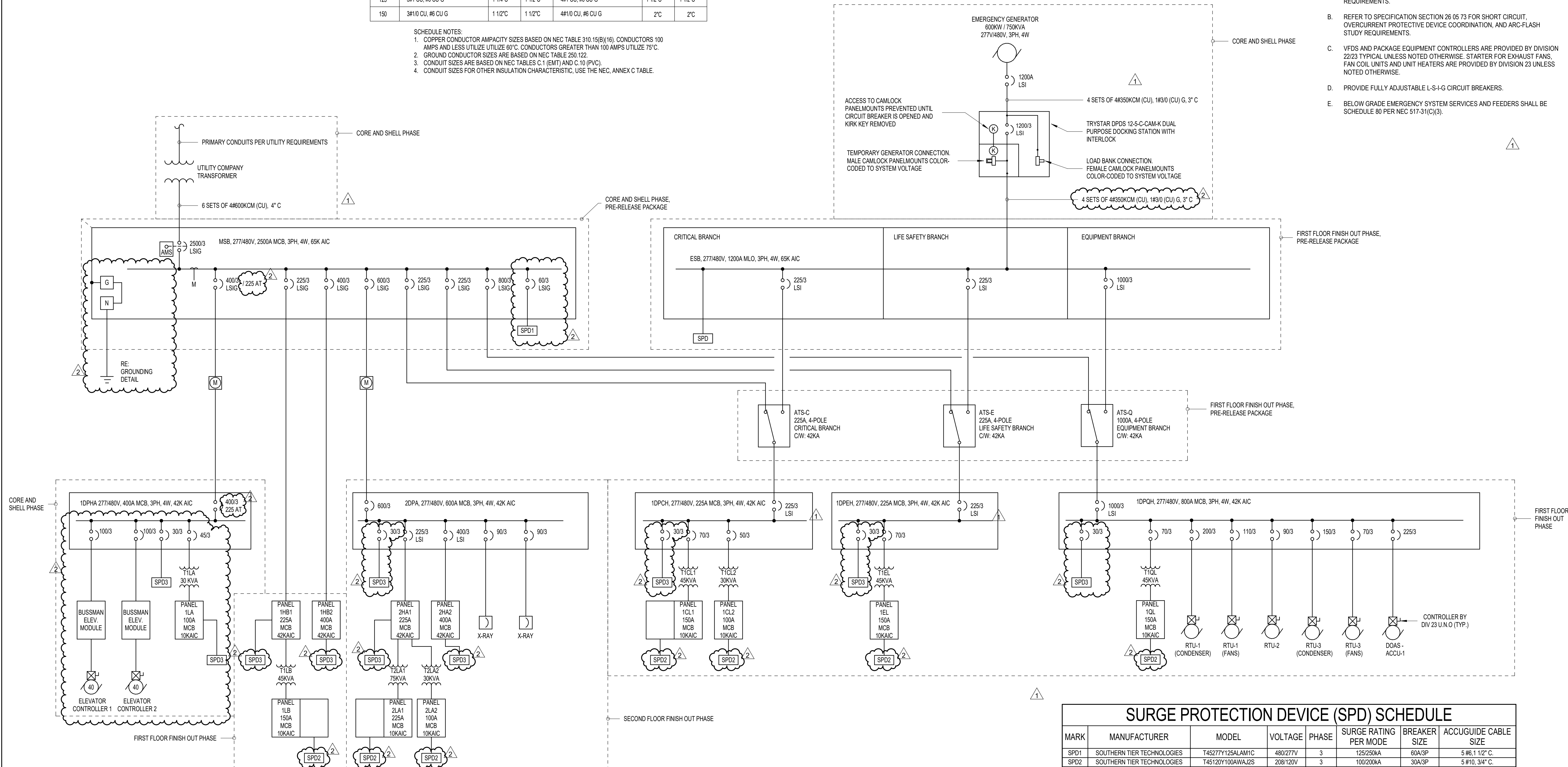
OCP - OVERCURRENT PROTECTION
A/P - AMPS/POLES

NOTES:

1. COPPER CONDUCTOR AMPACITY SIZES BASED ON 2011 NEC TABLE 310.15(B)(16). CONDUCTORS LESS THAN 110 AMPS UTILIZE 60°C. CONDUCTORS GREATER THAN 110 AMPS UTILIZE 75°C.
2. CONDUIT SIZES ARE BASED ON 2011 NEC TABLE C.1 (EMT).
3. CONDUIT SIZES FOR OTHER INSULATION CHARACTERISTIC, USE THE 2011 NEC, ANNEX C TABLE.

GENERAL NOTES:

- REFER TO PANEL SCHEDULES FOR SPARE CIRCUIT BREAKERS AND SPACE REQUIREMENTS.
- REFER TO SPECIFICATION SECTION 26 05 73 FOR SHORT CIRCUIT, OVERCURRENT PROTECTIVE DEVICE COORDINATION, AND ARC-FLASH STUDY REQUIREMENTS.
- VEDS AND PACKAGE EQUIPMENT CONTROLLERS ARE PROVIDED BY DIVISION 22/23 TYPICAL UNLESS NOTED OTHERWISE. STARTER FOR EXHAUST FANS, FAN COIL UNITS AND UNIT HEATERS ARE PROVIDED BY DIVISION 23 UNLESS NOTED OTHERWISE.
- PROVIDE FULLY ADJUSTABLE L-S-I-G CIRCUIT BREAKERS.
- BELOW GRADE EMERGENCY SYSTEM SERVICES AND FEEDERS SHALL BE SCHEDULE 80 PER NEC 517-31(C)(3).



SURGE PROTECTION DEVICE (SPD) SCHEDULE

MARK	MANUFACTURER	MODEL	VOLTAGE	PHASE	SURGE RATING PER MODE	BREAKER SIZE	ACCUGUIDE CABLE SIZE
SPD1	SOUTHERN TIER TECHNOLOGIES	T45277Y125ALM1C	480/277V	3	125/250KA	60A/3P	5 #6, 1 1/2" C.
SPD2	SOUTHERN TIER TECHNOLOGIES	T45120Y100AWA1J2S	208/120V	3	100/200KA	30A/3P	5 #10, 3/4" C.
SPD3	SOUTHERN TIER TECHNOLOGIES	T45277Y100AWA1J2S	480/277V	3	100/200KA	30A/3P	5 #10, 3/4" C.

1 ELECTRICAL ONE-LINE DIAGRAM

B-E4.01 NOT TO SCALE

1700 Pacific Avenue, Suite 2100
Dallas, Texas 75201
214.397.0211 p

TBPE Firm Registration No. 2234

DBR Project Number 223183.000

MS WS JP DS



2023.06.07

PROJECT 225462.00

IJRI - MEDICAL CENTER

CONSTRUCTION DOCUMENTS

DATE 2023.05.23

REVISIONS

REVISION	DESCRIPTION	DATE
1	ADDENDUM #1	2023.05.23
2	ADDENDUM #2	2023.06.07

SHEET TITLE

ELECTRICAL
ONE-LINE DIAGRAM

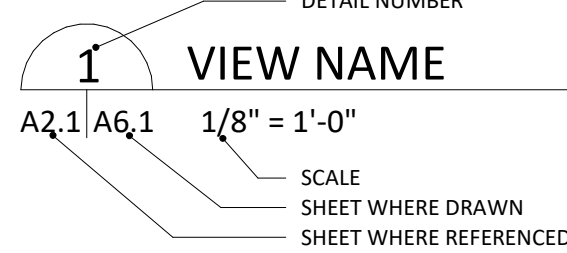
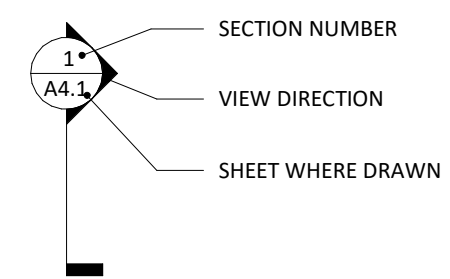
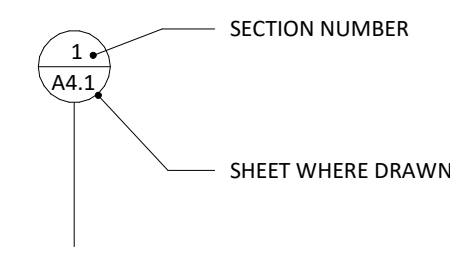
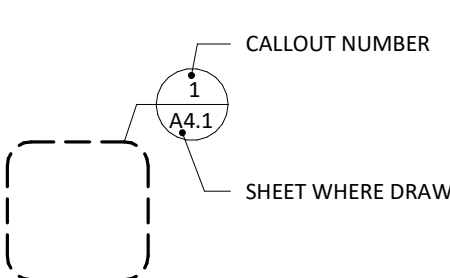
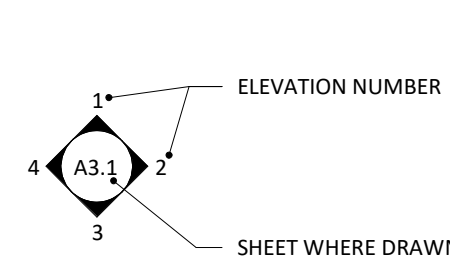
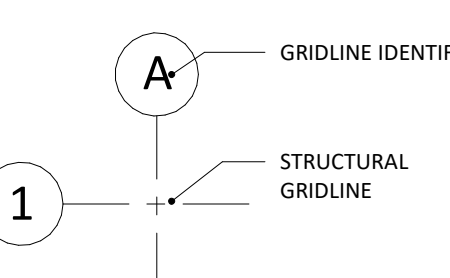
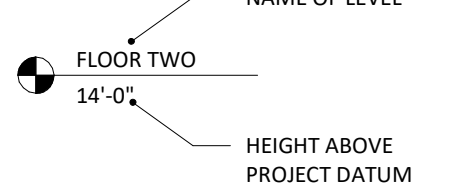

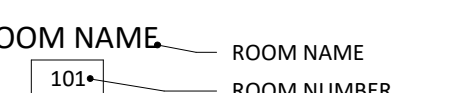
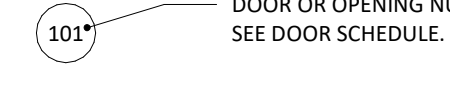
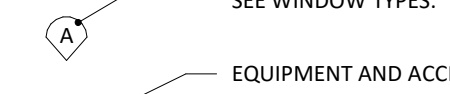
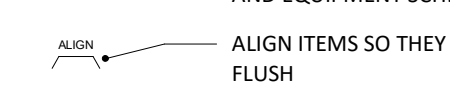

SHEET NUMBER

B-E4.01

INDIANA JOINT REPLACEMENT INSTITUTE MEDICAL CENTER

100% CONSTRUCTION DOCUMENTS

PROJECT SYMBOLS

VIEW REFERENCES	
DRAWING TITLES <div></div>	
SECTIONS <div></div>	DETAIL SECTION <div></div>
PLAN/DETAIL CALLOUTS <div></div>	ELEVATIONS <div></div>
DATUM SYMBOLS <div><div><div></div></div></div>	PROJECT SYMBOLS AND ANNOTATION <div>ROOM NAME<div><div><div><div><div></div></div></div></div></div></div>
NOTE: SEE INDIVIDUAL SHEETS FOR ADDITIONAL SYMBOLS.	

PROJECT DIRECTORY

OWNER THE INDIANA JOINT REPLACEMENT INSTITUTE 3834 S. EMERSON AVENUE, BLDG. A INDIANAPOLIS, INDIANA 46203	MEP ENGINEER / LOW VOLTAGE SW ASSOCIATES CONSULTING ENGINEERS 1700 PACIFIC AVENUE, SUITE 2100 DALLAS, TX 75201 PHONE: 214.397.0211
ARCHITECT BOULDER ASSOCIATES, INC. 5646 MILTON STREET, SUITE 240 DALLAS, TX 75206 PHONE: 214.420.5700	STRUCTURAL ENGINEER ARMSTRONG - DOUGLAS 12655 N. CENTRAL EXPWY, SUITE 720 DALLAS, TEXAS 75234 PHONE: 972.897.4030
CONTRACTOR THE SKILLMAN CORPORATION 3834 S. EMERSON AVENUE, BLDG. A INDIANAPOLIS, INDIANA 46203 PHONE: 317.783.6151	CIVIL ENGINEER/ LANDSCAPE DESIGN CRIPE 9339 PRIORITY WAY WEST DRIVE, SUITE 100 INDIANAPOLIS, INDIANA 46240 PHONE: 317.844.6777
	MEDICAL EQUIPMENT PLANNING CRIPE 9339 PRIORITY WAY WEST DRIVE, SUITE 100 INDIANAPOLIS, INDIANA 46240 PHONE: 317.844.6777

PROJECT DATA

BUILDING ADDRESS:	14065 BORG WARNER DRIVE NOBLESVILLE, IN 46060								
PROJECT DESCRIPTION:	TENANT IMPROVEMENT MEDICAL OFFICE BUILDING, TWO STORIES ABOVE GRADE								
OCCUPANCY:	'B' OCCUPANCY								
CONSTRUCTION TYPE:	II-B (IBC), II (000) (NFPA), FULLY SPRINKLERED								
GROSS BUILDING AREA:	<table><tr><td></td><td>NEW</td></tr><tr><td>FIRST FLOOR</td><td>19,343 GSF</td></tr><tr><td>SECOND FLOOR</td><td>20,237 GSF</td></tr><tr><td>TOTAL</td><td>39,581 GSF</td></tr></table>		NEW	FIRST FLOOR	19,343 GSF	SECOND FLOOR	20,237 GSF	TOTAL	39,581 GSF
	NEW								
FIRST FLOOR	19,343 GSF								
SECOND FLOOR	20,237 GSF								
TOTAL	39,581 GSF								
PROJECT TENANT AREA:	18,680 SF								
FLOOR TO FLOOR HEIGHTS:	FIRST FLOOR: 15' - 4" SECOND FLOOR: 14' - 0"								
HAZARDOUS MATERIALS:	HAZARDOUS MATERIALS ARE NOT USED, STORED OR TRANSPORTED WITHIN THIS BUILDING IN QUANTITIES SUFFICIENT TO REQUIRE PROTECTION.								
APPLICABLE CODES:	2012 INTERNATIONAL BUILDING CODE W/ 2014 INDIANA AMENDMENTS 2006 INTERNATIONAL PLUMBING CODE W/ 2012 INDIANA AMENDMENTS 2012 INTERNATIONAL MECHANICAL CODE W/ 2014 INDIANA AMENDMENTS 2012 INTERNATIONAL FUEL GAS CODE W/ 2014 INDIANA AMENDMENTS 2012 INTERNATIONAL FIRE CODE W/ 2014 INDIANA AMENDMENTS 2010 INDIANA ENERGY CONSERVATION CODE 2009 INDIANA ELECTRICAL CODE 2014 INDIANA BUILDING CODE CHAPTER 11 ACCESSIBILITY 2011 INDIANA ELEVATOR SAFETY CODE 2012 NFPA 101, CH. 38								
DEFERRED SUBMITTALS:	FIRE SUPPRESSION SYSTEM FIRE ALARM SYSTEM								

GENERAL NOTES

- FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. REPORT ANY DISCREPANCIES TO ARCHITECT BEFORE CONTINUING. DO NOT SCALE DRAWINGS.
- IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO REVIEW THE ARCHITECTURAL DRAWINGS PRIOR TO PRICING AND BEFORE PROCEEDING WITH INSTALLATION OF ANY MECHANICAL, PLUMBING, OR ELECTRICAL WORK. SEAL AROUND ALL INTERIOR JOINTS AT DOORS, WINDOWS, CABINETS, AND COUNTERTOPS. ALSO SEAL WHERE DOOR FRAMES INTERSECT WITH FLOORING.
- ALL FIRE SPRINKLER HEADS TO BE SEMI-RECESSED CHROME (EXCEPTION: PROVIDE CONCEALED SPRINKLER HEADS, WHITE, AT WAITING ROOMS).

UNIT PRICES

- UNIT PRICE 01 - PROVIDE A UNIT PRICE TO ADD A MOISTURE CONTROL SYSTEM PER SECTION 090561.13 "MOISTURE VAPOR EMISSION CONTROL", IN COST/SQUARE FOOT.

ALLOWANCES

- ALLOWANCE 01 – PROVIDE AN ALLOWANCE TO ADD A MOISTURE CONTROL SYSTEM PER SECTION 090561.13 "MOISTURE VAPOR EMISSION CONTROL", WITH INSTALLATION CONTINGENT UPON MOISTURE TESTING RESULTS PER DIVISION 09 FLOORING SPECIFICATIONS. THE OWNER MAY ELECT TO USE THIS ALLOWANCE TO INSTALL A DIFFERENT (LESS EXPENSIVE) SYSTEM DEPENDING ON THE MOISTURE TEST RESULTS.

SHEET INDEX

0 - GENERAL	
B-G0.01	COVER SHEET
B-G2.10	LIFE SAFETY PLAN
5 - ARCHITECTURAL	
B-A2.10	FLOOR PLAN - LEVEL 2 OVERALL
B-A2.10A	FLOOR PLAN - LEVEL 2 AREA A
B-A2.10B	FLOOR PLAN - LEVEL 2 AREA B
B-A2.10C	FLOOR PLAN - LEVEL 2 AREA C
B-A2.10D	FLOOR PLAN - LEVEL 2 AREA D
B-A2.20	ENLARGED PLANS & INTERIOR ELEVATIONS
B-A2.21	ENLARGED PLANS & INTERIOR ELEVATIONS
B-A2.30A	FINISH PLAN - LEVEL 2 AREA A
B-A2.30B	FINISH PLAN - LEVEL 2 AREA B
B-A2.30C	FINISH PLAN - LEVEL 2 AREA C
B-A2.30D	FINISH PLAN - LEVEL 2 AREA D
B-A2.40	OVERALL REFLECTED CEILING PLAN
B-A2.40A	REFLECTED CEILING PLAN - LEVEL 2 AREA A
B-A2.40B	REFLECTED CEILING PLAN - LEVEL 2 AREA B
B-A2.40C	REFLECTED CEILING PLAN - LEVEL 2 AREA C
B-A2.40D	REFLECTED CEILING PLAN - LEVEL 2 AREA D
B-A2.50	SCHEDULES
B-A2.51	INTERIOR MATERIAL LIST
B-A6.10	INTERIOR ELEVATIONS
B-A6.11	INTERIOR ELEVATIONS
B-A7.01	ACCESSIBILITY DETAILS
B-A7.10	PARTITION TYPES AND DETAILS
B-A7.11	PARTITION DETAILS
B-A7.20	CASEWORK DETAILS AND TYPES
B-A7.21	CASEWORK DETAILS
B-A7.22	CASEWORK DETAILS
B-A7.30	INTERIOR DETAILS
B-A7.31	INTERIOR DETAILS
B-A7.40	CEILING DETAILS
B-A7.41	CEILING DETAILS
B-A8.10	DOOR SCHEDULE AND TYPES, DOOR HARDWARE
B-A8.20	DOOR AND WINDOW DETAILS

9- MECHANICAL	
B-M0.01	MECHANICAL SYMBOLS AND NOTES
B-M1.01	MECHANICAL SCHEDULES AND DIAGRAMS
B-M2.02A	MECHANICAL - LEVEL 2 AREA A
B-M2.02B	MECHANICAL - LEVEL 2 AREA B
B-M3.02A	PIPING AND CONTROLS - LEVEL 2 AREA A
B-M3.02B	PIPING AND CONTROLS - LEVEL 2 AREA B
B-M8.01	MECHANICAL DETAILS
B-M8.02	MECHANICAL DETAILS
B-M8.03	MECHANICAL DETAILS
B-M8.04	MECHANICAL DETAILS
B-M8.05	MECHANICAL DETAILS
B-M9.01	CONTROL SCHEMATICS
B-M9.02	CONTROL SCHEMATICS

10 - PLUMBING	
B-P2.02A	PLUMBING - LEVEL 2 AREA A
B-P2.02B	PLUMBING - LEVEL 2 AREA B
B-P2.03	PLUMBING - ROOF PLAN - OVERALL
B-P7.01	PLUMBING SCHEDULES
B-P8.01	PLUMBING DETAILS
B-P8.02	PLUMBING DETAILS

11 - ELECTRICAL	
B-E0.01	ELECTRICAL SYMBOL LEGEND
B-E2.02A	POWER - LEVEL 2 AREA A
B-E2.02B	POWER - LEVEL 2 AREA B
B-E2.12A	MECHANICAL POWER - LEVEL 2 AREA A
B-E2.12B	MECHANICAL POWER - LEVEL 2 AREA B
B-E3.02A	LIGHTING LEVEL 2 AREA A
B-E3.02B	LIGHTING LEVEL 2 AREA B
B-E4.01	ELECTRICAL ONE-LINE DIAGRAM
B-E5.01	ELECTRICAL LIGHT FIXTURE SCHEDULE
B-E5.02	ELECTRICAL PANELBOARD SCHEDULES
B-E5.03	ELECTRICAL PANELBOARD SCHEDULES
B-E6.01	ELECTRICAL DETAILS
B-E6.02	ELECTRICAL DETAILS

SHEET INDEX

12 - AUDIO VIDEO	
B-TA0.01	AUDIO VIDEO COVER SHEEL & SYMBOL LEGEND
B-TA1.02	AUDIO VIDEO FLOOR PLAN - LEVEL 2 OVERALL
B-TA1.02A	AUDIO VIDEO FLOOR PLAN - LEVEL 2 AREA A
B-TA1.02B	AUDIO VIDEO FLOOR PLAN - LEVEL 2 AREA B
B-TA1.02C	AUDIO VIDEO FLOOR PLAN - LEVEL 2 AREA C
B-TA1.02D	AUDIO VIDEO FLOOR PLAN - LEVEL 2 AREA D
B-TA2.02	AUDIO VIDEO RCP - LEVEL 2 OVERALL
B-TA2.02D	AUDIO VIDEO RCP - LEVEL 2 AREA D
B-TA5.01	AUDIO VIDEO RACKS
B-TA6.01	AUDIO VIDEO MOUNTING DETAILS
B-TA6.02	AUDIO VIDEO MOUNTING DETAILS
B-TA6.03	AUDIO VIDEO MOUNTING DETAILS
B-TA6.04	AUDIO VIDEO MOUNTING DETAILS
B-TA7.01	AUDIO VIDEO DIAGRAMS
B-TA7.02	AUDIO VIDEO DIAGRAMS
B-TA8.01	AUDIO VIDEO DETAILS
B-TA8.02	AUDIO VIDEO DETAILS
B-TA8.03	AUDIO VIDEO DETAILS

13 - TECHNOLOGY & SECURITY	
B-T0.00	TECHNOLOGY NOTES AND SYMBOL LEGEND
B-T0.01	TECHNOLOGY FACEPLATE DETAILS
B-T1.02	TECHNOLOGY OVERALL PLAN LEVEL 2
B-T3.00	ENLARGED PLANS
B-TS0.00	SECURITY NOTES AND SYMBOLS
B-TS0.01	SECURITY SINGLE DOOR DETAILS
B-TS0.02	SECURITY MISC. DETAILS
B-TS0.03	SECURITY MISC. DETAILS CONT.
B-TS0.04	SECURITY CAMERA DETAILS
B-TS0.05	SECURITY DEVICE SCHEDULES
B-TS1.02	SECURITY OVERALL PLAN LEVEL 2

14 - EQUIPMENT	
B-EQ1.10	SECOND FLOOR EQUIPMENT PLAN - FULL
B-EQ1.10A	SECOND FLOOR EQUIPMENT PLAN - UNIT A
B-EQ1.10B	SECOND FLOOR EQUIPMENT PLAN - UNIT B
B-EQ1.10C	SECOND FLOOR EQUIPMENT PLAN - UNIT C
B-EQ1.10D	SECOND FLOOR EQUIPMENT PLAN - UNIT D



BOULDER ASSOCIATES

5646 MILTON STREET, SUITE 240
DALLAS, TEXAS 75206
214.420.5700

PROJECT 225462.00

IJRI - MEDICAL CENTER

14065 BORG WARNER DRIVE
NOBLESVILLE, IN 46060

CONSTRUCTION DOCUMENTS

DATE 2023.04.28

REVISIONS		
#	DESCRIPTION	DATE
1	Addendum #1	2023.05.23
2	Addendum #2	2023.06.07




2023.06.07

SHEET TITLE

COVER SHEET

SHEET NUMBER

B-G0.01



1700 Pacific Avenue, Suite 2100
Dallas, Texas 75201
214.397.0211 p

TBPE Firm Registration No. 2234

DBR Project Number223183.000

MS

WS

JP

DS



BOULDER ASSOCIATES

5646 MILTON STREET, SUITE 240
DALLAS, TEXAS 75206
214.420.5700

JOHN G. PIAZZA
REGISTERED
No. PE10403225
STATE OF
INDIANA
PROFESSIONAL ENGINEER


2023.06.07

PROJECT225462.00

IJRI - SITE, CORE AND SHELL

CONSTRUCTION DOCUMENTS

DATE2023.05.23

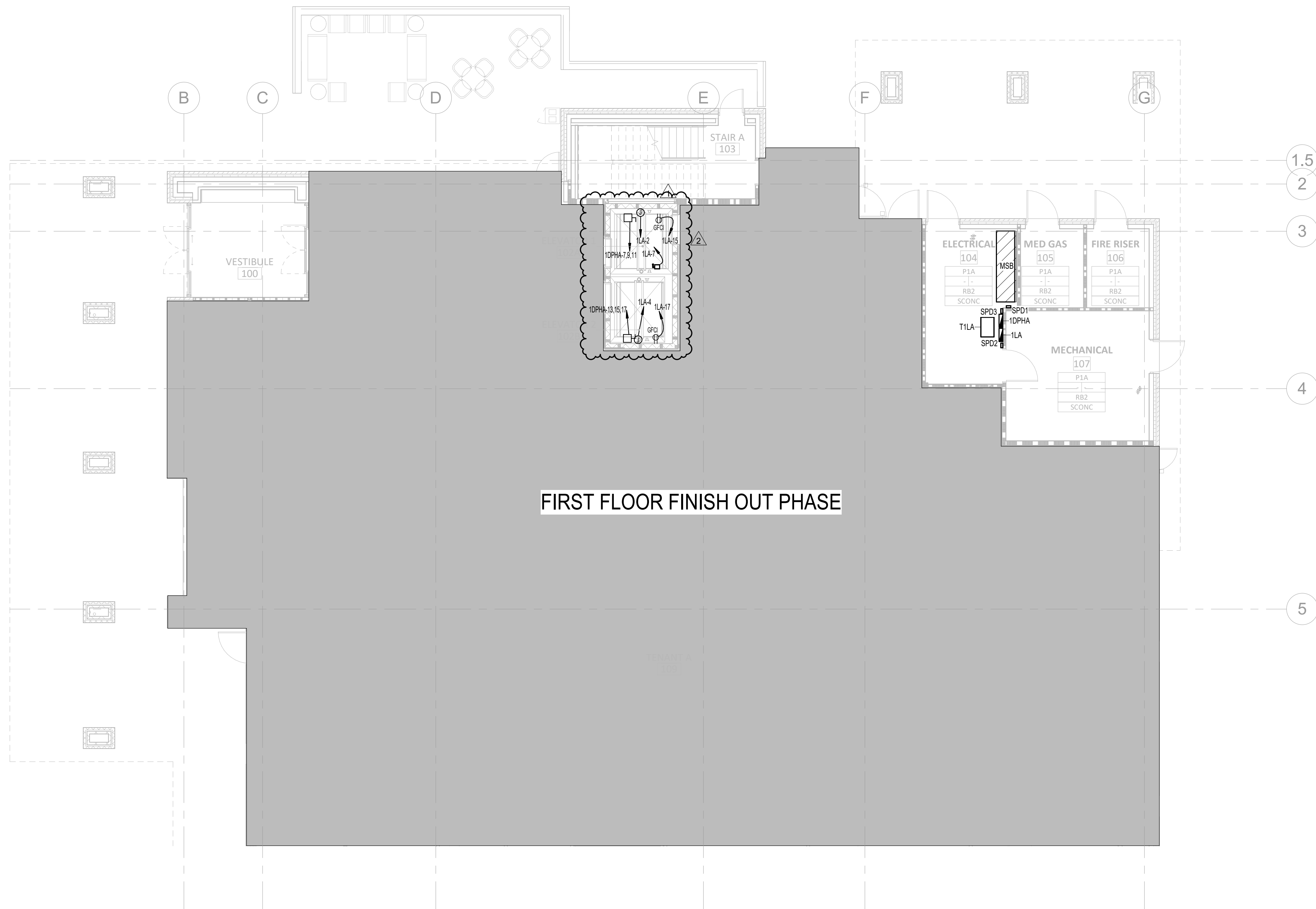
REVISIONS		
	DESCRIPTION	DATE
1	ADDENDUM #1	2023.05.23
2	ADDENDUM #2	2023.06.07

SHEET TITLE
POWER - LEVEL 1
AREA A

SHEET NUMBER
E2.01A

GENERAL NOTES:

- A. REFER TO ARCHITECTURAL DRAWINGS FOR CONSTRUCTION PHASING REQUIREMENTS.
- B. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND ELEVATIONS OF WIRING DEVICES.
- C. REFER TO SHEET E0.01 FOR ELECTRICAL SYMBOL LEGEND AND SHEET E0.02 FOR ELECTRICAL LIGHT FIXTURE SCHEDULE.
- D. FIRE ALARM SYSTEM IS PERFORMANCE BASED. RE: SPECIFICATION 28 31 00.
1. DEVICES SHALL BE ADDRESSABLE AND INTELLIGENT.
2. SYNCHRONIZE DEVICES.
3. PROVIDE INTERFACE TO EGRESS DOORS TO AUTO RELEASE OPEN IN EVENT OF FIRE ALARM.
4. REFER TO SHEET E2.03 ELECTRICAL ROOF PLAN FOR AHU'S (DUCT DETECTORS).
- E. PROVIDE BACKBOX AND RACEWAY ROUGH-IN FOR THE FOLLOWING SYSTEMS:
1. NURSE CALL, CODE BLUE, PHYSIOLOGICAL MONITORING.
2. SECURITY (CAMERAS, CARD READERS, ACCESS CONTROL).
3. OVERHEAR PAGE / PUBLIC ADDRESS.
4. TV.
5. VOICE / DATA.
- REFER TO TECHNOLOGY T-SERIES DRAWINGS. PROVIDE AND COORDINATE 120V REQUIREMENTS FOR THESE SYSTEMS.
- F. PROVIDE TAMPER RESISTANT RECEPTACLES IN BUSINESS OFFICES, CORRIDORS, WAITING ROOMS AND PATIENT CARE AREAS.



1 FLOOR PLAN - LEVEL 1 - POWER CORE - AREA A
E2.01A 1/8" = 1'-0"



1700 Pacific Avenue, Suite 2100
Dallas, Texas 75201
214.397.0211 p

TBPE Firm Registration No. 2234

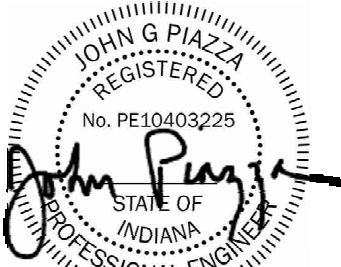
DBR Project Number 223183.000

MS WS JP DS



BOULDER ASSOCIATES

5646 MILTON STREET, SUITE 240
DALLAS, TEXAS 75206
214.420.5700



2023.06.07

PROJECT 225462.00

IJRI - SITE, CORE AND SHELL

CONSTRUCTION DOCUMENTS

DATE 2023.05.23

REVISIONS

REVISIONS	DESCRIPTION	DATE
1	ADDENDUM #1	2023.05.23
2	ADDENDUM #2	2023.06.07

SHEET TITLE

ELECTRICAL PANELBOARD SCHEDULES

SHEET NUMBER

E5.02

Switchboard: MSB

Location:
Supply From: UTILITY TRANSFORMER
Mounting: SURFACE
Enclosure: NEMA 1

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

A.I.C. Rating: 65,000 AMPS SYMMETRICAL
Mains Type: LSI&G MAIN CB
Mains Rating: 2500 A
MCB Rating: 2500 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Connected Load	Remarks
1	SPD1	3	60 A	60 A	0 VA	
2	1DPHA	3	225 A	225 A	449304 VA	LSIG BREAKER
3	1HB	3	225 A	225 A	169389 VA	LSIG BREAKER
4	1HB2	3	400 A	400 A	135630 VA	LSIG BREAKER
5	2DPA	3	800 A	800 A	225601 VA	LSIG BREAKER
6	ATS-C	3	225 A	225 A	83032 VA	LSIG BREAKER
7	ATS-E	3	225 A	225 A	38730 VA	LSIG BREAKER
8	ATS-Q	3	800 A	800 A	215175 VA	LSIG BREAKER
9	SPACE	3	--	--	0 VA	
10	SPACE	3	--	--	0 VA	
11	SPACE	3	--	--	0 VA	
12	SPACE	3	--	--	0 VA	

Total Conn. Load: 1307956 VA
Total Amps: 1573 A

Legend:

Load Classification Per NEC Article 220	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Power	86424 VA	100.00%	86424 VA	
RCPT (NEC 220.44)	236499 VA	52.11%	123250 VA	
LIGHTS	184189 VA	125.00%	230236 VA	
POWER (NON-CONTINUOUS)	196640 VA	100.00%	196640 VA	
LITES (CONTINUOUS)	29372 VA	125.00%	36715 VA	
L	9964 VA	100.00%	9964 VA	
SP	2000 VA	100.00%	2000 VA	
M	249240 VA	100.00%	249240 VA	
R	2160 VA	100.00%	2160 VA	
MT	311575 VA	114.54%	356886 VA	

Notes:

SWITCHBOARD MSA TO BE PART OF PRE-RELEASE PACKAGE. PROVIDE INTEGRAL METER AND ENERGY REDUCING SWITCH AS INDICATED ON THE ONE-LINE DIAGRAM.

Branch Panel: 1DPHA

Location:
Supply From: MSB
Mounting: SURFACE
Enclosure: NEMA 1

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

NORMAL BRANCH
A.I.C. Rating: 42,000 AMPS SYMMETRICAL
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A
Sub Feed Lugs: No

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1				0 VA	181440...					2
3	SPD3	30 A	3		0 VA	180900...			45 A	4
5						0 VA				6
7				14404 VA	--					8
9	Elevator 1	100 A	3		14404 VA	--				10
11						14404 VA	--			12
13				14404 VA	--					14
15	Elevator 2	100 A	3		14404 VA	--				16
17						14404 VA	--			18
19	SPACE	--	1	--	--					20
Total Load:				210248 VA		209708 VA				
Total Amps:				859 A		857 A				

Load Classification Per NEC Article 220	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Power	86424 VA	100.00%	86424 VA	
RCPT (NEC 220.44)	2880 VA	100.00%	2880 VA	
LIGHTS	180000 VA	125.00%	225000 VA	
POWER (NON-CONTINUOUS)	180000 VA	100.00%	180000 VA	
SP	0 VA	0.00%	0 VA	
MT	0 VA	0.00%	0 VA	

Notes:

Branch Panel: 1LA

Location:
Supply From: T1LA
Mounting: SURFACE
Enclosure: NEMA 1

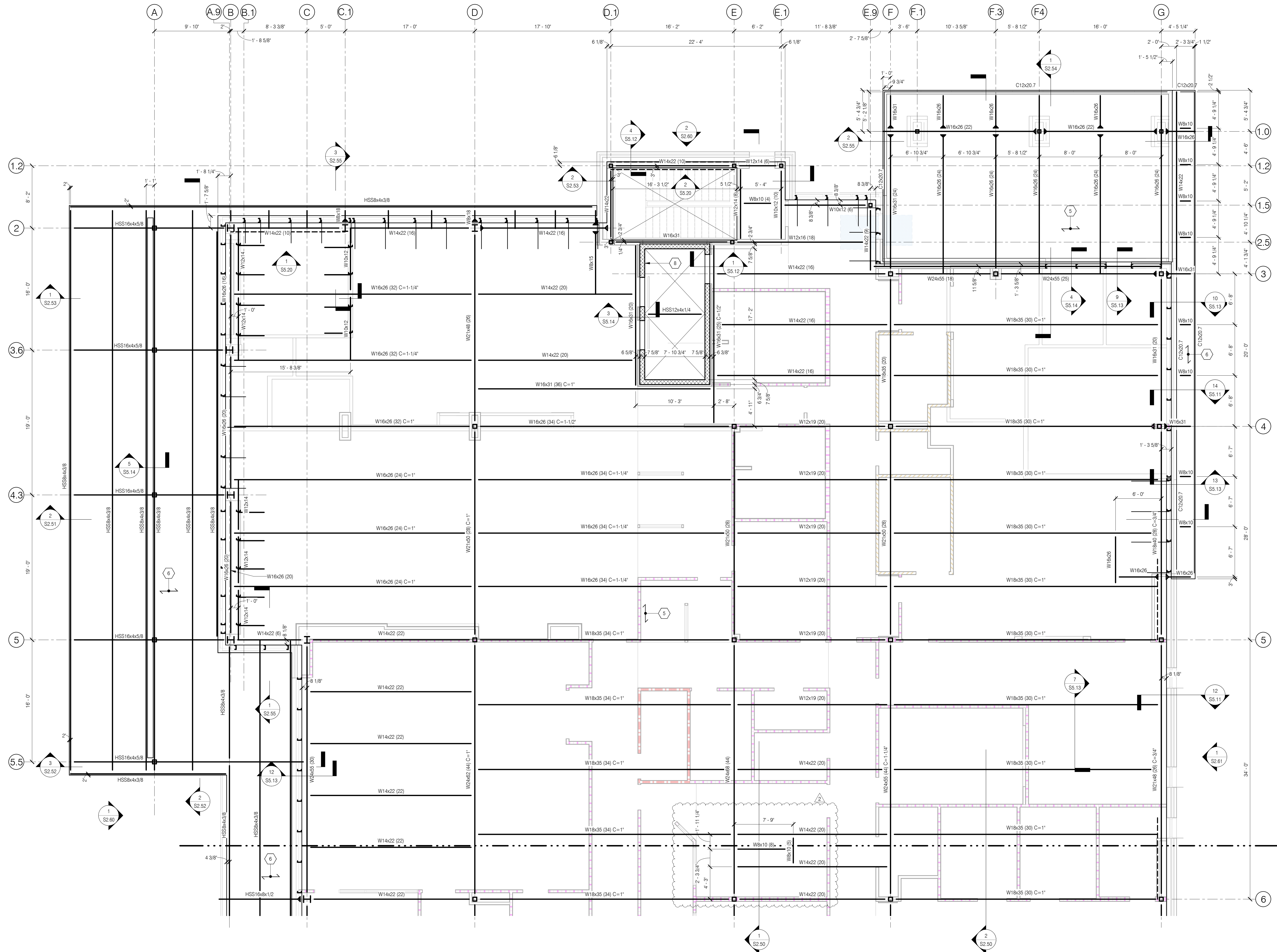
Volts: 208Y/120
Phases: 3
Wires: 4

NORMAL BRANCH
A.I.C. Rating: 10,000 AMPS SYMMETRICAL
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A
Sub Feed Lugs: No

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1				0 VA	180000...					2
3	SPD2	30 A	3		0 VA	180000...				4
5						0 VA				6
7	SUMP PUMP	25 A	1	0 VA	0 VA					8
9	EXTERIOR RECEPTACLES	20 A	1		720 VA	0 VA				10
11	EXTERIOR RECEPTACLES	20 A	1			360 VA	0 VA			12
13	CORRIDOR RECEPTACLES	20 A	1	1440 VA	--					14
15	ELEVATOR PIT RECEPTACLE	20 A	1		180 VA	--				16
17	ELEVATOR PIT RECEPTACLE	20 A	1			180 VA	--			18
19	SPARE	20 A	1	0 VA	--					20
21	SPARE	20 A	1		0 VA	--				22
23	SPARE	20 A	1			0 VA	--			24
25	SPARE	20 A	1	0 VA	--					26
27	SPARE	20 A	1		0 VA	--				28
29	SPARE	20 A	1			0 VA	--			30
Total Load:				181440 VA	180900 VA	540 VA				
Total Amps:				1743 A	1739 A	5 A				

Load Classification Per NEC Article 220	Connected Load	Demand Factor	Estimated Demand	Panel Totals
RCPT (NEC 220.44)	2880 VA	100.00%	2880 VA	
LIGHTS	180000 VA	125.00%	225000 VA	
POWER (NON-CONTINUOUS)	180000 VA	100.00%	180000 VA	
SP	0 VA	0.00%	0 VA	
MT	0 VA	0.00%	0 VA	

Notes:



1 SECOND FLOOR FRAMING PLAN - AREA A

PLAN NOTES AND KEY

1. T.O. STEEL ELEVATIONS REF. PLAN. REFER TO ARCHITECTURAL OR CIVIL DRAWINGS FOR DATUM ELEVATION.
2. COORDINATE ALL WORK THIS SHEET WITH THE STRUCTURAL NOTES ON SHEET S2.11 AND WITH THE PROJECT SPECIFICATIONS.
3. REFER TO THE S5 SERIES SHEETS FOR FRAMING DETAILS.
4. REFER TO FOUNDATION PLANS FOR COLUMN & BASEPLATE SIZES.
5. COMPOSITE DECK: SEE SHEET S5.11 FOR TYPICAL COMPOSITE DETAILS & STUD PLACEMENT INFORMATION.

DECK:
CONCRETE THICKNESS: 3 1/2" NW CONCRETE ON
DECK TYPE: 2VL1, 18 GA. COMPOSITE DECK (GALV.)
TOTAL THICKNESS: 5 1/2"
REINFORCING: 6#6 2'x2 1' W.W.F.
STUDS: 3/4" DIA. x 4' LENGTH

ATTACH STEEL TO SUPPORTS W/ THE FOLLOWING:
FASTENERS: HILTI X-ENP-19-L-15 PAF
FASTENER PATTERN: 36/4
SIDELAP: HILTI SLC SIDELAP SCREWS @ 12" O.C.
PERIMETER: @ 12" O.C. MAX.

6. 1 1/2" 22 GA. TYPE B ROOF DECK. ATTACH TO STEEL SUPPORTS W/ THE FOLLOWING POWDER ACTUATED FASTENERS (PAF):

SUPPORTS THINNER THAN 3/8"
FASTENER: HILTI X-HSN 24 PAF
FASTENER PATTERN: 36/5
SIDELAP: HILTI SLC SIDELAP SCREWS @ 12" O.C.

SUPPORTS 3/8" THICK OR THICKER
FASTENER: HILTI X-ENP-19-L-15 PAF
FASTENER PATTERN: 36/5
SIDELAP: HILTI SLC SIDELAP SCREWS @ 12" O.C.

7. ALL FRAMING MEMBERS SHALL BE EQUALLY SPACED BETWEEN GRIDS UNLESS NOTED OTHERWISE.

8. 8" CMU WALL - REF. SHEET S4.10.

9. FOR SUSPENDED EQUIPMENT - REF. 7/S5.13 & 8/S5.13. PROVIDE DELEGATED DESIGN AND SUBMITTAL FOR EOR REVIEW.

10. HSS 4x4x3/8 HORIZONTAL BRACING.



BOULDER ASSOCIATES

5646 MILTON STREET, SUITE 240
DALLAS, TEXAS 75206
214.420.5700



Dallas
12655 North Central Expressway, Suite 720
Dallas, TX 75243
Salas O'Brien Registration: F-5635
Salas O'Brien Project Number: 2022-97170-00

PROJECT 225462.00

IURI - SITE, CORE
AND SHELL

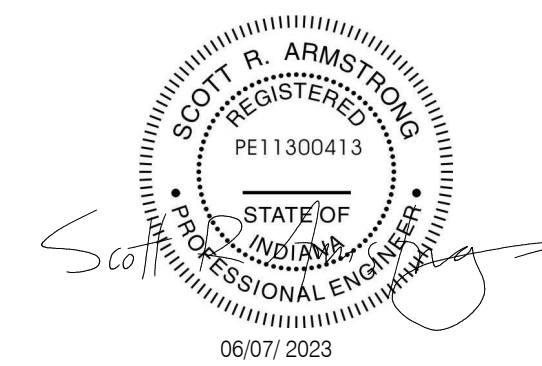
14065 BORG WARNER DRIVE
NOBLESVILLE, IN 46060

CONSTRUCTION
DOCUMENTS

DATE 04/28/2023

REVISIONS	DESCRIPTION	DATE
2	Addendum#2	06/07/2023

Scott R. Armstrong, P.E.
Indiana License No. PE11300413

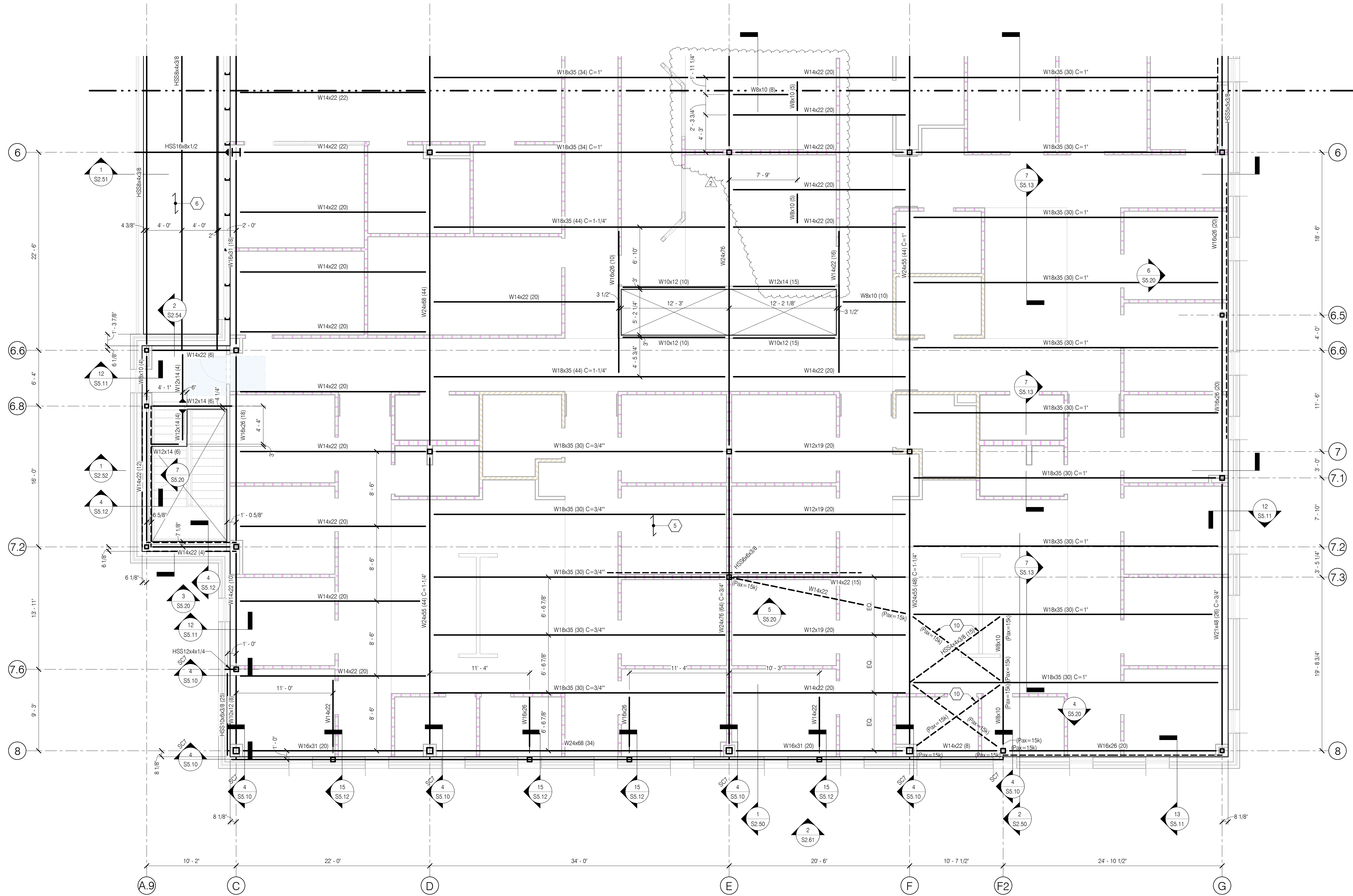


SHEET TITLE

SECOND FLOOR
FRAMING PLAN -
AREA A

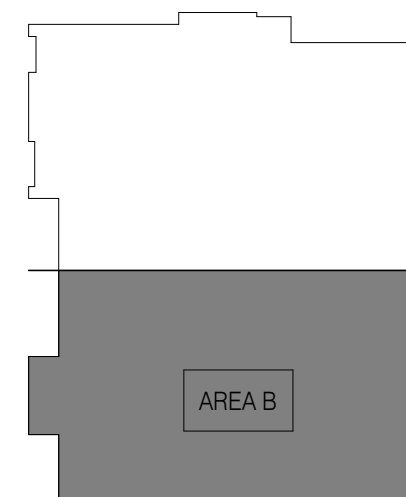
SHEET NUMBER

S2.21



1 SECOND FLOOR FRAMING PLAN - AREA B

3/16" = 1'-0"



PLAN NOTES AND KEY

- T.O. STEEL ELEVATIONS REF. PLAN. REFER TO ARCHITECTURAL OR CIVIL DRAWINGS FOR DATUM ELEVATION.
- COORDINATE ALL WORK THIS SHEET WITH THE STRUCTURAL NOTES ON SHEET **S1.11** AND WITH THE PROJECT SPECIFICATIONS.
- REFER TO THE **S5** SERIES SHEETS FOR FRAMING DETAILS.
- REFER TO FOUNDATION PLANS FOR COLUMN & BASEPLATE SIZES.
- COMPOSITE DECK: SEE SHEET **S5.11** FOR TYPICAL COMPOSITE DETAILS & STUD PLACEMENT INFORMATION.

DECK:
CONCRETE THICKNESS: 3 1/2" NW CONCRETE ON
DECK TYPE: 24L1, 18 GA. COMPOSITE DECK (GALV.)
TOTAL THICKNESS: 5 1/2"
REINFORCING: 6x6 2 1/2" W.W.F.
STUDS: 3/4" DIA. x 4' LENGTH

ATTACH STEEL TO SUPPORTS W/ THE FOLLOWING:
FASTENERS: HILTI X-ENP-19-L-15 PAF
FASTENER PATTERN: 36/4
SIDELAP: HILTI SLC SIDELAP SCREWS @ 12" O.C.
PERIMETER: @ 12" O.C. MAX.

1 1/2", 22 GA. TYPE B ROOF DECK. ATTACH TO STEEL SUPPORTS W/ THE FOLLOWING
POWDER ACTUATED FASTENERS (PAF):

SUPPORTS THINNER THAN 3/8"
FASTENER: HILTI X-HSN 24 PAF
FASTENER PATTERN: 36/5
SIDELAP: HILTI SLC SIDELAP SCREWS @ 12" O.C.

SUPPORTS 3/8" THICK OR THICKER
FASTENER: HILTI X-ENP-19-L-15 PAF
FASTENER PATTERN: 36/5
SIDELAP: HILTI SLC SIDELAP SCREWS @ 12" O.C.
- ALL FRAMING MEMBERS SHALL BE EQUALLY SPACED BETWEEN GRIDS UNLESS NOTED OTHERWISE.
- 8" CMU WALL - REF. SHEET **S4.10**.
- FOR SUSPENDED EQUIPMENT - REF. **7/SS.13** & **8/SS.13** PROVIDE DELEGATED DESIGN AND SUBMITTAL FOR EOR REVIEW.
- HSS 4x4x3/8 HORIZONTAL BRACING.



BOULDER ASSOCIATES

5646 MILTON STREET, SUITE 240
DALLAS, TEXAS 75206
214.420.5700



Dallas
12655 North Central Expressway, Suite 720
Dallas, TX 75243
Salas O'Brien Registration: F-5635
Salas O'Brien Project Number: 2022-97170-00

PROJECT 225462.00

IURI - SITE, CORE AND SHELL

14065 BORG WARNER DRIVE
NOBLESVILLE, IN 46060

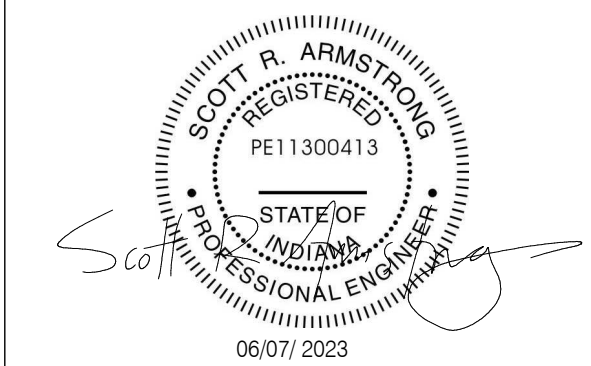
CONSTRUCTION DOCUMENTS

DATE 04/28/2023

REVISIONS

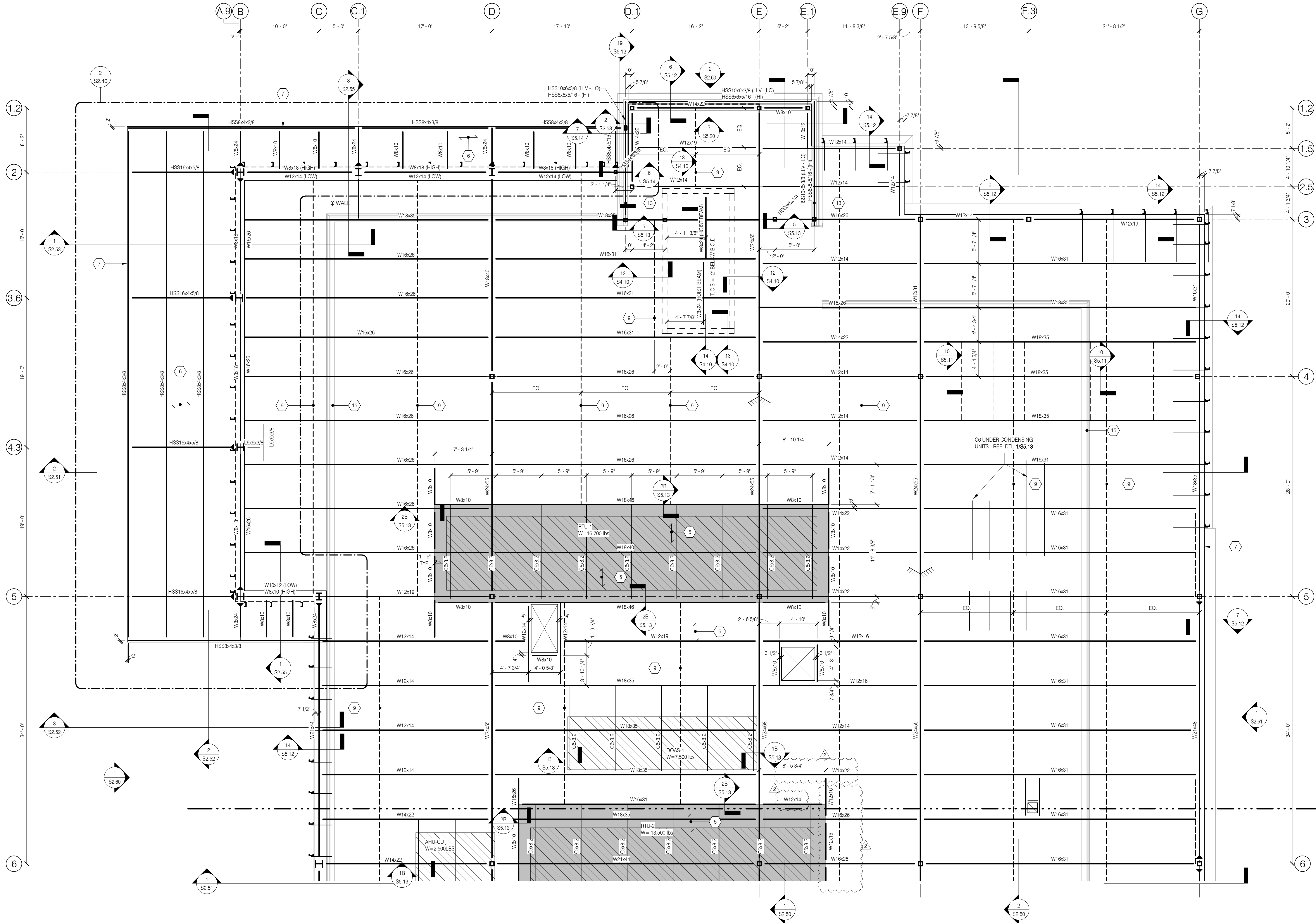
DESCRIPTION	DATE
2 Addendum#2	06/07/2023

Scott R. Armstrong, P.E.
Indiana License No. PE11300413



SHEET TITLE
**SECOND FLOOR
FRAMING PLAN -
AREA B**

SHEET NUMBER
S2.22



1 ROOF FRAMING PLAN - AREA A

3/16" = 1'-0"

PLAN NOTES

1. TO STEEL ELEVATIONS REF. PLAN OR SECTIONS. REFER TO ARCHITECTURAL OR CIVIL DRAWINGS FOR DATUM ELEVATION.
2. COORDINATE ALL WORK THIS SHEET WITH THE STRUCTURAL NOTES ON SHEET S2.11 AND WITH THE PROJECT SPECIFICATIONS.
3. REFER TO THE SS SERIES SHEETS FOR FRAMING DETAILS.
4. REFER TO FOUNDATION PLANS FOR COLUMN & BASEPLATE SIZES.
5. COMPOSITE DECK: SEE SHEET S2.11 FOR TYPICAL COMPOSITE DETAILS & STUD PLACEMENT INFORMATION.

DECK:
CONCRETE THICKNESS: 3" NW CONCRETE ON
DECK TYPE: 1 1/2" VLI, 20 GA. COMPOSITE DECK (GALV.)
TOTAL THICKNESS: 4 1/2"
REINFORCING: 6X6 - W2.9 X W2.9 WWF @ MID-SLAB.

ATTACH STEEL TO SUPPORTS w/ THE FOLLOWING:
FASTENERS: HILTI X-ENP-19-L-15 PAF
FASTENER PATTERN: 30/4
SIDELAP: HILTI SLC SIDELAP SCREWS @ 12" O.C.

6. 1 1/2", 22 GA. TYPE B ROOF DECK. ATTACH TO STEEL SUPPORTS w/ THE FOLLOWING POWDER ACTUATED FASTENERS (PAF):
SUPPORTS THINNER THAN 3/8": HILTI X-HSN 24 PAF
FASTENER: 36/7 @ FIELD, 12" O.C. @ PERIMETER
FASTENER PATTERN: HILTI SLC SIDELAP SCREWS @ 12" O.C.
SIDELAP:
SUPPORTS 3/8" THICK OR THICKER: HILTI X-ENP-19-L-15 PAF
FASTENER: 36/7 @ FIELD, 12" O.C. @ PERIMETER
FASTENER PATTERN: HILTI SLC SIDELAP SCREWS @ 12" O.C.
SIDELAP:
7. L3x3x1/4 TYP. DECK EDGE @ MAIN ROOF. L 1 1/2 X 1 1/2 X 3/16 DECK EDGE @ CANOPIES.
8. FOR BRACING ELEVATIONS AND DETAILS REF. SHEET S2.20.
9. REF. DET. S2.10 FOR BEAM BRIDGING DETAILS.
10. REF. SHEET S2.13 FOR RTU SUPPORT FRAMING DETAILS. COORDINATE LOCATION w/ MEP DRAWINGS.
11. REF. SHEET S2.13 FOR SUSPENDED MEDICAL EQUIPMENT SUPPORT DETAILS.
12. REFER TO BUILDING SECTIONS FOR BOTTOM OF DECK ELEVATIONS.
13. ROOF SCREEN FRAMING - HSS 6x6x1/4 SCREEN WALL POST W/ HSS 6x6x5/16 BEAMS TOP AND HSS 10x6x3/8 BOTTOM.
14. BEAMS ARE SPACED EQUALLY BETWEEN GRID LINES (UNO). BEAMS WITHOUT TAGS ARE W10X12.
15. ROOF SCREEN FRAMING BY OTHERS. SUBMIT SHOP DWGS AND CALCULATIONS FOR EOR REVIEW AND APPROVAL.
16. L 2X2X1/4 DIAGONAL KICKERS @ EA SIDE - REF. DET. S2.10.
17. ROOF DUCT SUPPORTS BY MEP CONTRACTOR. SUBMIT SUPPORT SYSTEM PRODUCTS FOR EORS APPROVAL PRIOR TO CONSTRUCTION.

PROJECT 225462.00

IURI - SITE, CORE AND SHELL

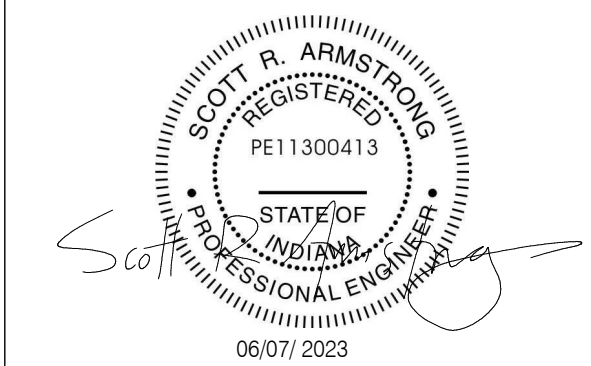
14065 BORG WARNER DRIVE
NOBLESVILLE, IN 46060

CONSTRUCTION DOCUMENTS

DATE 04/28/2023

REVISIONS	DATE
1 DESCRIPTION	06/07/2023
2 Addendum#2	

Scott R. Armstrong, P.E.
Indiana License No. PE11300413

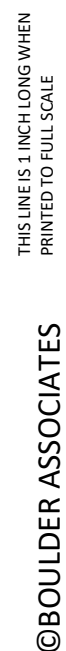
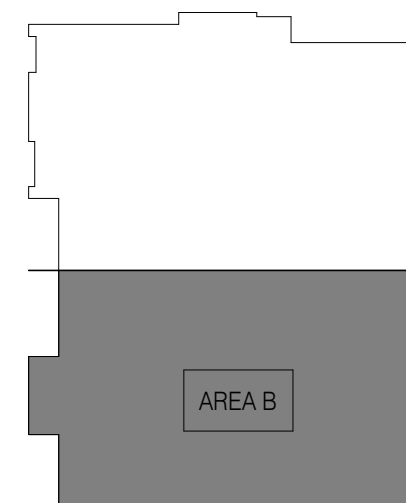


SHEET TITLE

ROOF FRAMING PLAN - AREA A


SHEET NUMBER

S2.31


$$3/16'' = 1'-0''$$


BA

5646 MILTON STREET, SUITE 240
DALLAS, TEXAS 75206
214.420.5700

 **Salas O'Brien**
Dallas
12655 North Central Expressway, Suite 720
Dallas, TX 75243
Salas O'Brien Registration: F-5635
Salas O'Brien Project Number: 2022-97170-00

PROJECT	225462.00
---------	-----------

IJRI - SITE, CORE AND SHELL

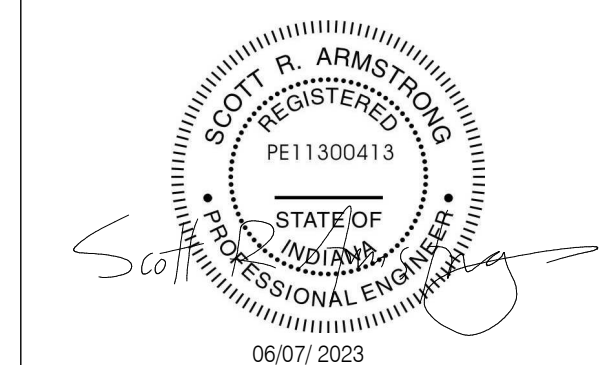
14065 BORG WARNER DRIVE
NOBLESVILLE, IN 46060

CONSTRUCTION
DOCUMENTS

DATE	04/28/2023
------	------------

REVISIONS		
#	DESCRIPTION	DATE
2	Addendum#2	06/07/2023

Scott R. Armstrong, P.E.
Indiana License No. PE11300413



SHEET TITLE

**ROOF FRAMING PLAN -
AREA B**

SHEET NUMBER

S2.32

6/7/2023 11:31:41 AM
D:\11D DropBox\11C\011D MASTER\2023\22239 - SWA - Noblesville\Revit\SWA Noblesville_B22.rvt
THIS DRAWING IS TO BE USED ONLY WHEN PRINTED TO FULL SCALE

SECURITY ACCESS CONTROL LEGEND

CR - CARD READER	LOCK: cont.
DPS - DOOR POSITION SWITCH	FS/FE - FAIL SAFE/FAIL SECURE
IML - INTEGRATED INTO MAGLOCK	LL - VERTICAL ROD LATCH RETRACTION
LOCK:	MCB - MECHANICAL CRASH BAR
DECB - DELAYED EGRESS CRASHBAR WITH ELECTRIC TRIM	ML - MAGLOCK
ECB - CRASHBAR WITH ELECTRIC TRIM	DEML - DELAYED EGRESS MAGNETIC LOCK
EH - ELECTRIFIED HANDSET	MS - MOTION SENSOR
ER - EMERGENCY RELEASE	EB - EXIT BUTTON
ES - ELECTRIC STRIKE	RTE - REQUEST TO EXIT

SECURITY ACCESS CONTROL SCHEDULE

CR#	DOOR#	LOCATION	CR	C...	CONTACT	HARDWARE	RTE	FS/FE	DETAIL#	NOTES
CR 01	19B	ELEVATOR LOBBY A1087	Y	CR	1	EL	N	FS	TS0.01/A	
CR 06	19D	STAFF VESTIBULE A1078	Y	CR	1	EL	N	FS	TS0.01/A	
CR 12	19E	DISCHARGE A1017	Y	CR	1	EL	N	FS	TS0.01/A	
CR 18	18B	STAT LAB A1026	Y	CR	1	EL	N	FS	TS0.01/A	
CR28	23	CORRIDOR B2021	Y	CR	1	EL	N	FS	TS0.01/A	

SECURITY SURVEILLANCE SCHEDULE

NUMBER	CAMERA LOCATION	CAMERA TYPE	DETAIL	NOTES
CAM01	EXTERIOR NW	EXT. 270°	TS0.04/A	
CAM02	EXTERIOR N	EXT. 45°	TS0.04/A	
CAM03	EXTERIOR NE	EXT. 270°	TS0.04/A	
CAM08	EXTERIOR W	EXT. 45°	TS0.04/A	
CAM10	EXTERIOR W	EXT. 270°	TS0.04/A	



BOULDER ASSOCIATES

5646 MILTON STREET, SUITE 240
DALLAS, TEXAS 75206
214.420.5700

PROJECT 225462.00

IJRI - SITE, CORE, SHELL

14065 BORG WARNER DRIVE
NOBLESVILLE, IN 46060

CONSTRUCTION DOCUMENTS

DATE 2023.04.28

REVISIONS

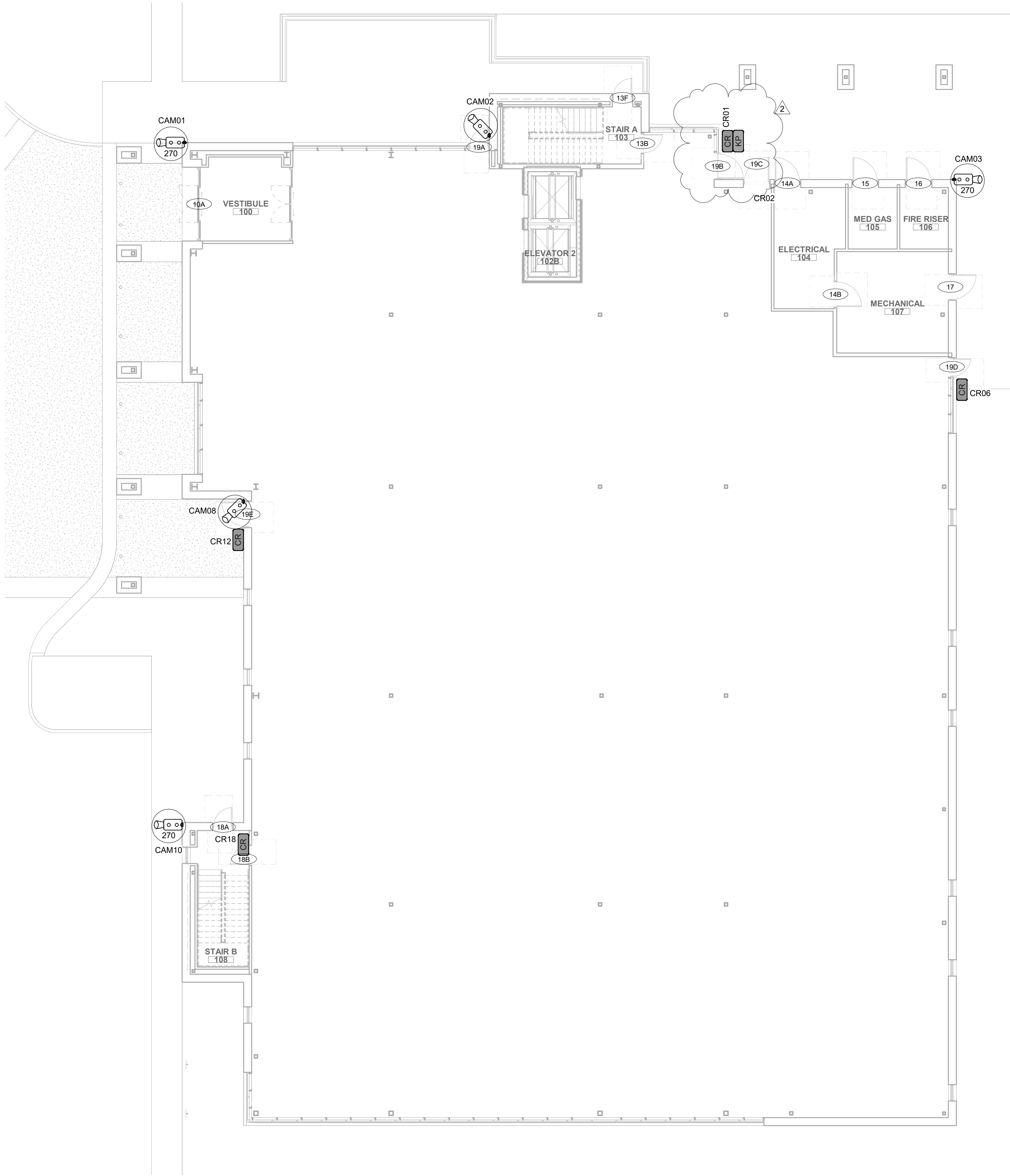
#	DESCRIPTION	DATE
2	Addendum #2	2023.06.07

SHEET TITLE

SECURITY DEVICE SCHEDULES

SHEET NUMBER

TS0.05



① SECURITY PLAN - LEVEL 1 CORE & SHELL
1" = 10'-0"



BOULDER ASSOCIATES

5646 MILTON STREET, SUITE 240
DALLAS, TEXAS 75206
214.420.5700

PROJECT 225462.00

IJRI - SITE, CORE, SHELL

14065 BORG WARNER DRIVE
NOBLESVILLE, IN 46060

CONSTRUCTION DOCUMENTS

DATE 2023.04.28

REVISIONS

#	DESCRIPTION	DATE
2	Addendum #2	2023.06.07

SHEET TITLE

SECURITY OVERALL PLAN LEVEL 1 - CORE & SHELL

SHEET NUMBER

TS1.01