



ADDENDUM

Date Issued:	Feb. 16, 2023
Project:	IHC Health Services, Inc. (Intermountain Health) Facility Design and Construction (FD&C) 36 South State Street, 16th Floor Salt Lake City, Utah 84111-1486
Addendum Number:	2

The Contractors submitting proposals on the above-captioned project shall be governed by the following addendum, changes and explanations to the drawings and specifications and shall submit their bids in accordance therewith.

Item Number	General Items Description
1	Extend bid deadline to Monday, February 20, 2023 at 5:00 PM.
Sheet Number	Drawings
Architectural Drawings	
A113	Add keynotes 08.26, 08.24.
A116	Add section call out 6/A503A as indicated.
A117	Add interior elevation call out 3/A251 as indicated.
A251	Add interior elevation 3/A251, note package height and widths. Add keynotes 08.24, 08.26.
A601A	Revise comments as indicated. Revise door schedule as indicated.
Electrical Drawings	
EP101	Add power for auto-doors.
Specification Section	Project Manual
Architectural Sections	
08 42 29 23	Specification Sheet for Dura-Glide 3000 sliding door.

Attachments:

Specification Section 08 42 29, A113, A116, A117, A251, A601A, Electrical Addendum #2

SECTION 08 42 29
SLIDING AUTOMATIC ENTRANCES

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 the following types of automatic entrances:
 - 1. Exterior and interior, single slide and bi-parting, sliding automatic entrances.
- B. Related Sections:
 - 1. Division 7 Sections for caulking to the extent not specified in this section.
 - 2. Division 8 Section "Aluminum-Framed Entrances and Storefronts" for entrances furnished and installed separately in Division 8 Section.
 - 3. Division 8 Section "Door Hardware" for hardware to the extent not specified in this Section.
 - 4. Division 8 Section Glazing for materials and installation requirements of glazing for automatic entrances.
 - 5. Division 26 Sections for electrical connections provided separately, including conduit and wiring, for power to sliding automatic entrances.

1.3 REFERENCES

- A. General: Standards listed by reference, including revisions by issuing authority, form a part of this specification section to extent indicated. Standards listed are identified by issuing authority, authority abbreviation, designation number, title or other designation established by issuing authority. Standards subsequently referenced herein are referred to by issuing authority abbreviation and standard designation.
- B. Underwriters Laboratories (UL):
 - 1. UL 325 – Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems.
- C. American National Standards Institute (ANSI) / Builders' Hardware Manufacturers Association (BHMA):
 - 1. ANSI/BHMA A156.10: Standard for Power Operated Pedestrian Doors.
 - 2. ANSI/BHMA A156.5: Standard for Auxiliary Locks and Associated Products
- D. American Society for Testing and Materials (ASTM):
 - 1. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
 - 2. ASTM B209 - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate
- E. American Association of Automatic Door Manufacturers (AAADM):
- F. National Fire Protection Association (NFPA):
 - 1. NFPA 101 – Life Safety Code.
 - 2. NFPA 70 – National Electric Code.
- G. International Code Council (ICC):

1. IBC: International Building Code
- H. Building Officials and Code Administrators International (BOCA), 1999:
- I. International Organization for Standardization (ISO):
1. ISO 9001 - Quality Management Systems
 2. ISO 14025 – Environmental Labels and Declarations -- Type III Environmental Declarations -- Principles and Procedures
 3. ISO14040 – Environmental Management -- Life Cycle Assessment -- Principles and Framework
 4. ISO 14044 – Environmental Management -- Life Cycle Assessment -- Requirements and Guidelines
 5. ISO 21930 – Sustainability in Buildings and Civil Engineering Works -- Core Rules For Environmental Product Declarations Of Construction Products And Services
- J. National Association of Architectural Metal Manufacturers (NAAMM):
1. Metal Finishes Manual for Architectural and Metal Products.

Specifier Note: Modify paragraph below to suit project requirements.

- **Select appropriate standard finish from options below.**
- **Make multiple selections as required; schedule accordingly.**
- **See last page of this document for a summary of unspecified finish options.**
- **Coordinate with other sections.**

- K. American Architectural Manufacturers Association (AAMA):
1. **[AAMA 606.1 – Integral Color Anodic Finishes for Architectural Aluminum.]**
 2. **[AAMA 607.1 - Clear Anodic Finishes for Architectural Aluminum.]**
 3. AAMA 611 Voluntary Specification for Anodized Architectural Aluminum.
 4. AAMA 701 Voluntary Specification for Pile Weatherstripping and Replaceable Fenestration Weatherseals.
- L. United Nations Central Product Classification (UNCPC):
1. UNCPC 4212 - Product Category Rules for Preparing an Environmental Product Declaration for Power-Operated Pedestrian Doors and Revolving Doors

1.4 DEFINITIONS

- A. Activation Device: Device that, when actuated, sends an electrical signal to the door operator to open the door.
- B. Safety Device: Device that prevents a door from opening or closing, as appropriate.

1.5 PERFORMANCE REQUIREMENTS

- A. General: Provide automatic entrance door assemblies capable of withstanding loads and thermal movements based on testing manufacturer's standard units in assemblies similar to those indicated for this Project.
- B. Operating Range: Minus 30 deg F (Minus 34 deg C) to 130 deg F (54 deg C).
- C. Opening-Force Requirements for Egress Doors: Force shall be adjustable; but, not more than 50 lbf (222 N) required to manually set swinging egress door panel(s) in motion.

- D. Closing-Force Requirements: Not more than 30 lbf (133 N) required to prevent door from closing.

1.6 SUBMITTALS

- A. General: Submit the following in accordance with Conditions of the Contract and Division 1 Specification Sections.
- B. Shop Drawings: Include plans, elevations, sections, details, hardware mounting heights, and attachments to other work.
- C. Color Samples for selection of factory-applied color finishes.
- D. Closeout Submittals:
 - 1. Owner's Manual.
 - 2. Warranties.
- E. Reports: Based on evaluation performed by a qualified agency, for automatic entrance door assemblies.
 - 1. Environmental Product Declaration.
 - 2. Evaluation Report for compliance with IBC.

1.7 QUALITY ASSURANCE

- A. Installer Qualifications: Manufacturer's authorized representative, with certificate issued by AAADM, who is trained for installation and maintenance of units required for this Project.
- B. Manufacturer Qualifications: A qualified manufacturer with a manufacturing facility certified under ISO 9001.
- C. Manufacturer shall have in place a national service dispatch center providing 24 hours a day, 7 days a week, emergency call back service.
- D. Certifications: Automatic sliding door systems shall be certified by the manufacturer to meet performance design criteria in accordance with the following standards:
 - 1. ANSI/BHMA A156.10.
 - 2. NFPA 101.
 - 3. UL 325 listed.
 - 4. IBC 2009 and 2012.
 - 5. BOCA.
- E. Environmental Product Declaration (EPD): EPD for automatic sliding entrances shall be certified by the manufacturer to comply with the following:
 - 1. Prepared under Product Category Rule (PCR) UNCPC 4212.
 - 2. Conform to ISO standards 14025, 14040, 14044, 21930
 - 3. Life Cycle Assessment Basis: Cradle to Gate, minimum.
- F. Source Limitations: Obtain automatic entrance door assemblies through one source from a single manufacturer.
- G. Product Options: Drawings indicate sizes, profiles, and dimensional requirements of automatic entrance door assemblies and are based on the specific system indicated. Refer to Division 1 Section "Product Requirements."
- H. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for

intended use.

- I. Emergency-Exit Door Requirements: Comply with requirements of authorities having jurisdiction for automatic entrances serving as a required means of egress.

1.8 PROJECT CONDITIONS

- A. Field Measurements: General Contractor shall verify openings to receive automatic entrance door assemblies by field measurements before fabrication and indicate measurements on Shop Drawings.
- B. Mounting Surfaces: General Contractor shall verify all surfaces to be plumb, straight and secure; substrates to be of proper dimension and material.
- C. Other trades: General Contractor shall advise of any inadequate conditions or equipment.

1.9 COORDINATION

- A. Templates: Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing automatic entrances to comply with indicated requirements.
- B. Electrical System Roughing-in: Coordinate layout and installation of automatic entrance door assemblies with connections to power supplies.

1.10 WARRANTY

- A. Automatic Entrances shall be free of defects in material and workmanship for a period of one (1) year from the date of substantial completion.
- B. During the warranty period the Owner shall engage a factory-trained technician to perform service and affect repairs. A safety inspection shall be performed after each adjustment or repair and a completed inspection form shall be submitted to the Owner.
- C. During the warranty period all warranty work, including but not limited to emergency service, shall be performed during normal working hours.

PART 2 - PRODUCTS

2.1 AUTOMATIC ENTRANCES

Specifier Note: Modify paragraph below to suit project requirements.

- **Select 2000 Series for fixed sidelight and/or surface applied entrances.**
- **Select 3000 Series for full breakout entrances**

- A. Manufacturer: Stanley Access Technologies; Dura-Glide™ **[2000] [3000]** Series sliding automatic entrances.

2.2 MATERIALS

- A. Aluminum: Alloy and temper recommended by manufacturer for type of use and finish indicated.
 1. Headers, stiles, rails, and frames: 6063-T6.
 2. Extruded Bars, Rods, Profiles, and Tubes: ASTM B 221.
 3. Sheet and Plate: ASTM B 209.

- B. Sealants and Joint Fillers: Performed under Division 7 Section "Joint Sealants".

2.3 AUTOMATIC ENTRANCE DOOR ASSEMBLIES

- A. General: Provide manufacturer's standard automatic entrance door assemblies including doors, sidelights, framing, headers, carrier assemblies, roller tracks, door operators, activation and safety devices, and accessories required for a complete installation.

Specifier Note: Modify paragraph below to suit project requirements.

- **Select "partial panel" for surface applications.**
- **Select "sliding leaf only" for fixed sidelight applications; including surface applications.**
- **Select appropriate "Mounting".**

Coordinate with selections above.

- B. Sliding Automatic Entrances:
1. Single Slide Entrances:
 - a. Configuration: One sliding leaf and one **[full sidelight] [partial panel]**.
 - b. Traffic Pattern: Two-way.
 - c. Emergency Breakaway Capability: **[Sliding leaf only] [Sliding leaf and sidelight]**.
 - d. Mounting: **[Between jambs] [Surface applied]**.
 2. Bi-Parting Entrances:
 - a. Configuration: Two sliding leaves and two **[full sidelights] [partial panels]**.
 - b. Traffic Pattern: Two-way.
 - c. Emergency Breakaway Capability: **[Sliding leaves only] [Sliding leaves and sidelights]**.
 - d. Mounting: **[Between jambs] [Surface applied]**.

2.4 COMPONENTS

Specifier Note: Modify paragraph below to suit project requirements.

- **Select frame size; 4 ½ inch depth is standard.**

- A. Framing Members: Manufacturer's standard extruded aluminum reinforced as required to support imposed loads.
1. Nominal Size: **[1 ¾ inch by 4 1/2 inch (45 by 115 mm)] [1 ¾ inch by 6 inch (45 by 152 mm)]**.
 2. Concealed Fastening: Framing shall incorporate a concealed fastening pocket, and continuous flush insert cover, extending full length of each framing member.

Specifier Note: Modify paragraph below to suit project requirements.

- **Select "Stile Design"; "Narrow" is standard.**
- **Select "Bottom Rail Design"; 4 inch is standard.**
- **Select "Muntin Bars"; 2 inch is standard.**

- B. Stile and Rail Doors and Sidelights: Manufacturer's standard 1 ¾ inch (45 mm) thick glazed doors with extruded-aluminum tubular stile and rail members. Incorporate concealed tie-rods that span full length of top and bottom rails.
1. Glazing Stops and Gaskets: Snap-on, extruded-security aluminum stops and preformed gaskets.
 2. Stile Design: **[Narrow stile; 2 inch (51 mm)] [Medium stile; 3 ½ inch (95 mm)]** nominal width.
 3. Bottom Rail Design: Minimum **[4 inch (102 mm)] [6 inch (152 mm)] [8 inch (203 mm)] [10 inch (254 mm)] [12 inch (305 mm)]** nominal height.

4. Muntin Bars: **[None.] [Horizontal tubular rail member for each door; 2 inch (51 mm)] [4 1/4 inch (108 mm)] nominal width.]**

Specifier Note: Modify paragraph below to suit project requirements.

- **Select “Glazing”; 1/4 inch tempered is standard.**

- C. Glazing: Furnished under Division 8 Section Glazing. All Glazing furnished under separate section shall be **[1/4 inch (6 mm) tempered] [1/2 inch (13 mm) tempered] [5/8 inch (16 mm) insulated, hermetically sealed] [1 inch (25 mm) insulated, hermetically sealed].**
- D. Headers: Fabricated from extruded aluminum and extending full width of automatic entrance door units to conceal door operators, carrier assemblies, and roller tracks. Provide hinged or removable access panels for service and adjustment of door operators and controls. Secure panels to prevent unauthorized access.
1. Mounting: Concealed, with one side of header flush with framing.
 2. Capacity: Capable of supporting up to 220 lb (100 kg) per panel, up to four panels, over spans up to 14 feet (4.3 m) without intermediate supports.
- E. Carrier Assemblies and Overhead Roller Tracks: Manufacturer's standard carrier assembly that allows vertical adjustment of at least 1/8 inch (3 mm); consisting of urethane with precision steel lubricated ball-bearing wheels, operating on a continuous roller track. Support panels from carrier assembly by load wheels and anti-riser wheels with factory adjusted cantilever and pivot assembly. Minimum two ball-bearing load wheels and two anti-rise rollers for each active leaf. Minimum load wheel diameter shall be 2 1/2 inch (64 mm); minimum anti-rise roller diameter shall be 2 inch (51 mm).

Specifier Note: Modify paragraph below to suit project requirements.

- **Select appropriate thresholds for applications.**
- **Make multiple selections as required; schedule accordingly.**
- **“No threshold” option for 2000 Series only.**

- F. Thresholds: Manufacturer's standard thresholds as indicated below:
1. **[Continuous standard tapered extrusion square by bevel, with bevel to exterior.]**
 2. **[Continuous standard tapered extrusion square by bevel, with bevel to interior.]**
 3. **[Continuous standard tapered extrusion double bevel.]**
 4. **[Continuous standard square extrusion, for recessed installation.]**
 5. **[Standard square extrusion track under sidelights, for recessed installation; no threshold under sliding opening.]**
 6. **[Standard tapered extrusion, double bevel, under sidelights; no threshold under sliding opening.]**
 7. **[No threshold.]**
 8. All thresholds to conform to details and requirements for code compliance.

- G. Fasteners and Accessories: Manufacturer's standard corrosion-resistant, non-staining, non-bleeding fasteners and accessories compatible with adjacent materials.

- H. Signage: Provide signage in accordance with ANSI/BHMA A156.10.

2.5 DOOR OPERATORS

- A. General: Provide door operators of size recommended by manufacturer for door size, weight, and movement; for condition of exposure; and for long-term, operation under normal traffic load for type of occupancy indicated.

- B. Electromechanical Operators: Self-contained overhead unit powered by a minimum of 1/4 horsepower, permanent-magnet DC motor with gear reduction drive, microprocessor controller; and encoder.
1. Operation: Power opening and power closing.
 2. Features:
 - a. Adjustable opening and closing speeds.
 - b. Adjustable back-check and latching.
 - c. Adjustable braking.
 - d. Adjustable hold-open time between 0 and 30 seconds.
 - e. Obstruction recycle.
 - f. On/Off switch to control electric power to operator.
 - g. Energy conservation switch that reduces door-opening width.
 - h. Closed loop speed control with active braking and acceleration.
 - i. Adjustable obstruction recycle time delay.
 - j. Self adjusting stop position.
 - k. Self adjusting closing compression force.
 - l. Onboard sensor power supply.
 - m. Onboard sensor monitoring.
 - n. Optional Switch to open/Switch to close operation.
 3. Mounting: Concealed.
 4. Drive System: Synchronous belt type.
- C. Electrical service to door operators shall be provided under Division 26 Electrical. Minimum service to be 120 VAC, 5 amps.

2.6 ELECTRICAL CONTROLS

- A. Electrical Control System: Electrical control system shall include a microprocessor controller and position encoder. The encoder shall monitor revolutions of the operator shaft and send signals to microprocessor controller to define door position and speed. Systems utilizing external magnets and magnetic switches are not acceptable.
- B. Performance Data: The microprocessor shall collect and store performance data as follows:
1. Counter: A non-resettable counter to track operating cycles.
 2. Event Reporting: Unit shall include event and error recording including number of occurrences of events and errors, and cycle count of most recent events and errors.
 3. LED Display: Display presenting the current operating state of the controller.
- C. Controller Protection: The microprocessor controller shall incorporate the following features to ensure trouble free operation:
1. Automatic Reset Upon Power Up.
 2. Main Fuse Protection.
 3. Electronic Surge Protection.
 4. Internal Power Supply Protection.
 5. Resettable sensor supply fuse protection.
 6. Motor Protection, over-current protection.
- D. Soft Start/Stop: A "soft-start" "soft-stop" motor driving circuit shall be provided for smooth normal opening and recycling.
- E. Obstruction Recycle: Provide system to recycle the sliding panels when an obstruction is encountered during the closing cycle. If an obstruction is detected, the system shall search for that object on the next closing cycle by reducing door closing speed prior to the previously encountered obstruction location, and will continue to close in check speed until doors are fully closed, at which time the doors will reset to normal speed. If obstruction is encountered again,

the door will come to a full stop. The doors shall remain stopped until obstruction is removed and operate signal is given, resetting the door to normal operation.

- F. Programmable Controller: Microprocessor controller shall be programmable and shall be designed for connection to a local configuration tool. Local configuration tool shall be a software driven handheld interface. The following parameters may be adjusted via the configuration tool.
1. Operating speeds and forces as required to meet ANSI/BHMA A156.10.
 2. Adjustable and variable features as specified in 2.5, B., 2.
 3. Reduced opening position.
 4. Fail Safe/Secure control.
 5. Firmware update.
 6. Trouble Shooting
 - a. I/O Status.
 - b. Electrical component monitoring including parameter summary.
 7. Software for local configuration tool shall be available as a free download from the sliding automatic entrance manufacturer's internet site. Software shall be compatible with the following operating system platforms: Palm®, Android®, and Windows Mobile®.

2.7 ACTIVATION AND SAFETY DEVICES

- A. Motion Sensors: Motion sensors shall be mounted on each side of door header to detect pedestrians in the activating zone, and to provide a signal to open doors in accordance with ANSI/BHMA A156.10. Units shall be programmable for bi-directional or uni-directional operation and shall incorporate K-band microwave frequency to detect all motion in both directions.
- B. Presence Sensors: Presence sensors shall be provided to sense people or objects in the threshold safety zone in accordance with ANSI/BHMA A156.10. Units shall be self-contained, fully adjustable, and shall function accordingly with motion sensors provided. The sensor shall be enabled simultaneously with the door-opening signal and shall emit an elliptical shaped infrared presence zone, centered on the doorway threshold line. Presence sensors shall be capable of selectively retuning to adjust for objects which may enter the safety zone; tuning out, or disregarding, the presence of small nuisance objects and not tuning out large objects regardless of the time the object is present in the safety zone. The door shall close only after all sensors detect a clear surveillance field.
- C. Photoelectric Beams: In addition to the threshold sensor include a minimum of two (2) doorway holding beams. Photoelectric beams shall be pulsed infrared type, including sender receiver assemblies for recessed mounting.
- D. Presence Sensor Monitoring: Sliding automatic entrances control system shall include a means to verify the functionality of all active presence sensors in accordance with ANSI/BHMA A156.10. A detected fault shall cause automatic operation to cease until the fault is corrected.

2.8 HARDWARE

- A. General: Provide units in sizes and types recommended by automatic entrance door and hardware manufacturers for entrances and uses indicated.
- B. Emergency Breakaway Feature: Provide release hardware that allows panel(s) to swing out in direction of egress to full 90 degrees from any position in sliding mode. Maximum force to open panel shall be 50 lbf (222 N) according to ANSI/BHMA A156.10. Interrupt powered operation of panel operator while in breakaway mode.
1. Emergency breakaway feature shall include at least one adjustable detent device mounted in the top of each breakaway panel to control panel breakaway force.

2. Limit Arms: Limit arms shall be provided to control swing of sliding or non-sliding panels on break-out; swing shall not exceed 90 degrees. Limit arms shall be spring loaded to prevent shock, and include adjustable friction damping.
- C. Deadlocks: Manufacturer's standard deadbolt operated by exterior cylinder and interior thumb turn; with minimum 1 inch (25 mm) long throw bolt; ANSI/BHMA A156.5, Grade 1.
 1. Cylinders: As specified in Division 8 Section "Door Hardware."
 2. Hook Latch: Laminated-steel hook, mortise type, BHMA A156.5, Grade 1.
 3. Two-Point Locking: On bi-parting entrances, provide locking system that incorporates a device in the stile of active door leaves that automatically extends a flush bolt into overhead carrier assembly.
- D. Control Switch: Provide manufacturer's standard header mounted rocker switches and door position switch to allow for full control of the automatic entrance door. Controls to include, but are not limited to:
 1. One-way traffic
 2. Reduced Opening
 3. Open/Closed/Automatic
- E. Power Switch: Sliding automatic entrances shall be equipped with a two position On/Off rocker switch to control power to the door.
- F. Sliding Weather Stripping: Manufacturer's standard replaceable components complying with AAMA 701; made of wool, polypropylene, or nylon woven pile with nylon-fabric or aluminum-strip backing.
- G. Weather Sweeps: Manufacturer's standard adjustable nylon brush sweep mounted to underside of door bottom.

2.9 FABRICATION

- A. General: Factory fabricates automatic entrance door assembly components to designs, sizes, and thickness indicated and to comply with indicated standards.
 1. Form aluminum shapes before finishing.
 2. Use concealed fasteners to greatest extent possible.
 - a. Where fasteners are subject to loosening or turning out from thermal and structural movements, wind loads, or vibration, use self-locking devices.
 - b. Reinforce members as required to receive fastener threads.
- B. Framing: Provide automatic entrances as prefabricated assemblies.
 1. Fabricate tubular and channel frame assemblies with manufacturer's standard mechanical or welded joints. Provide sub-frames and reinforcement as required for a complete system to support required loads.
 2. Perform fabrication operations in manner that prevents damage to exposed finish surfaces.
 3. Form profiles that are sharp, straight, and free of defects or deformations.
 4. Prepare components to receive concealed fasteners and anchor and connection devices.
 5. Fabricate components with accurately fitted joints with ends coped or mitered to produce hairline joints free of burrs and distortion.
- C. Doors: Factory fabricated and assembled in profiles indicated. Reinforce as required to support imposed loads and for installing hardware.
- D. Door Operators: Factory fabricated and installed in headers, including adjusting and testing.

- E. Glazing: Fabricate framing with minimum glazing edge clearances for thickness and type of glazing indicated.
- F. Hardware: Factory install hardware to the greatest extent possible; remove only as required for final finishing operation and for delivery to and installation at Project site.

2.10 ALUMINUM FINISHES

- A. General: Comply with NAAMM Metal Finishes Manual for Architectural and Metal Products for recommendations for applying and designing finishes. Finish designations prefixed by AA comply with system established by Aluminum Association for designing finishes.

Specifier Note: Modify paragraph below to suit project requirements.

- **Select appropriate standard finish from options below.**
- **Make multiple selections as required; schedule accordingly.**
- **See last page of this document for a summary of unspecified finish options.**

- B. **[Class II, Clear Anodic Finish: AA-M12C22A31 Mechanical Finish: as fabricated; Chemical Finish: etched, medium matte; Anodic Coating: Architectural Class II, clear coating 0.40 mils minimum complying with AAMA 611-98, and the following:**
 1. **AAMA 607.1**
 2. **Applicator must be fully compliant with all applicable environmental regulations and permits, including wastewater and heavy metal discharge.]**
- C. **[Class I, Color Anodic Finish: AA-M12C22A42/A44 Mechanical Finish: as fabricated; Chemical Finish: etched, medium matte; Anodic Coating: Architectural Class I, integrally colored or electrolytically deposited color coating 0.70 mils minimum complying with AAMA 611-98, and the following:**
 1. **Color: Dark Bronze.**
 2. **AAMA 606.1**
 3. **Applicator must be fully compliant with all applicable environmental regulations and permits, including wastewater and heavy metal discharge.]**

PART 3 - EXECUTION

3.1 INSPECTION

- A. Examine conditions for compliance with requirements for installation tolerances, header support, and other conditions affecting performance of automatic entrances. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. General: Do not install damaged components. Fit frame joints to produce joints free of burrs and distortion. Rigidly secure non-movement joints.
- B. Entrances: Install automatic entrances plumb and true in alignment with established lines and grades without warp or rack of framing members and doors. Anchor securely in place.
 1. Install surface-mounted hardware using concealed fasteners to greatest extent possible.
 2. Set headers, carrier assemblies, tracks, operating brackets, and guides level and true to location with anchorage for permanent support.
- C. Door Operators: Connect door operators to electrical power distribution system as specified in Division 26 Sections.

- D. Glazing: Performed under Division 8 Section "Glazing" in accordance with sliding automatic entrance manufacturer's instructions.
- E. Sealants: Comply with requirements specified in Division 7 Section "Joint Sealants".

3.3 FIELD QUALITY CONTROL

- A. Testing Services: Factory Trained Installer shall test and inspect each automatic entrance door to determine compliance of installed systems with applicable ANSI standards.

3.4 ADJUSTING

- A. Adjust door operators, controls, and hardware for smooth and safe operation, for tight closure, and complying with requirements in ANSI/BHMA A156.10.

3.5 CLEANING AND PROTECTION

- A. Clean glass and aluminum surfaces promptly after installation. Remove excess glazing and sealant compounds, dirt, and other substances. Repair damaged finish to match original finish. Comply with requirements in Division 8 Section "Glazing", for cleaning and maintaining glass.

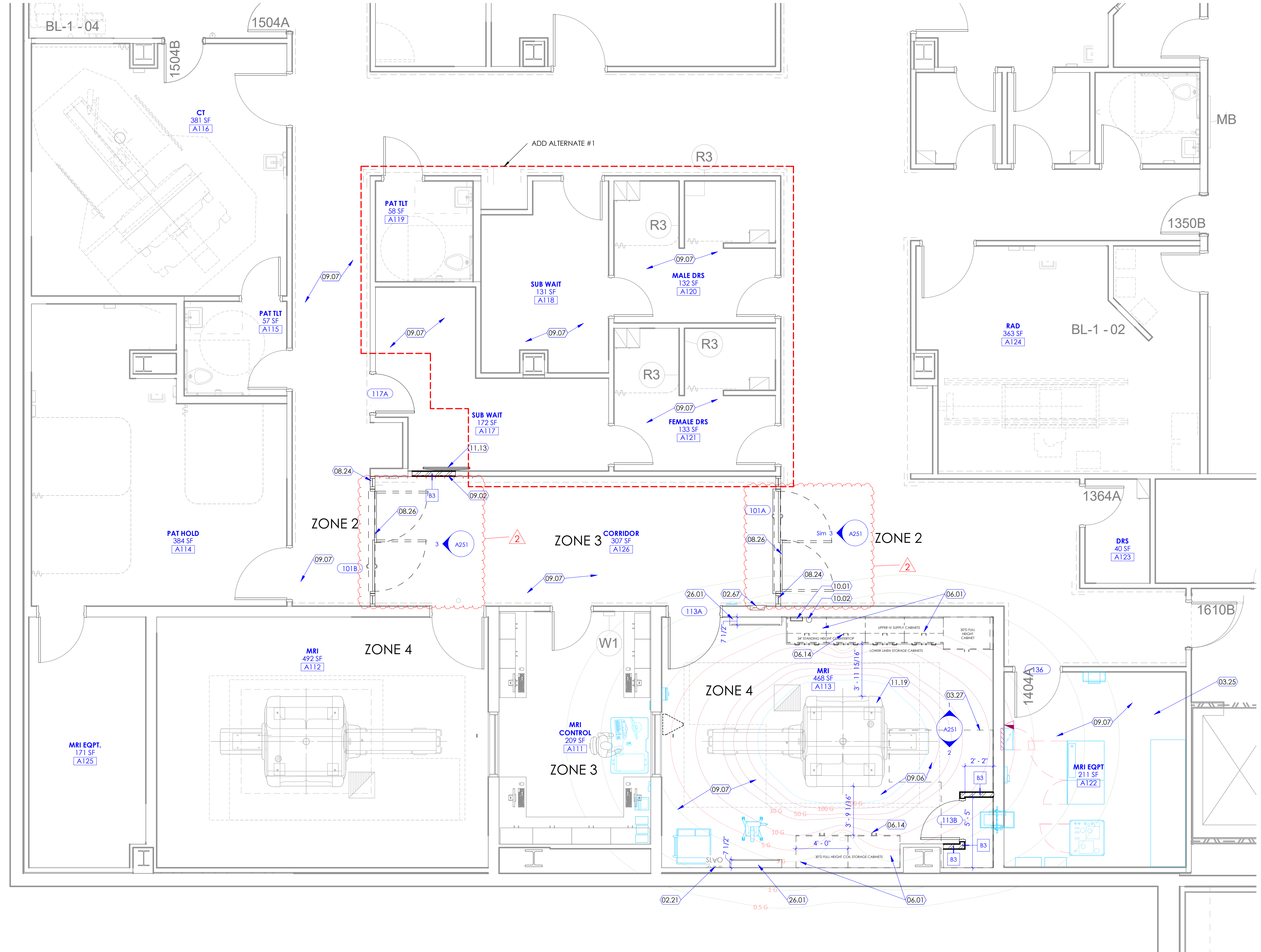
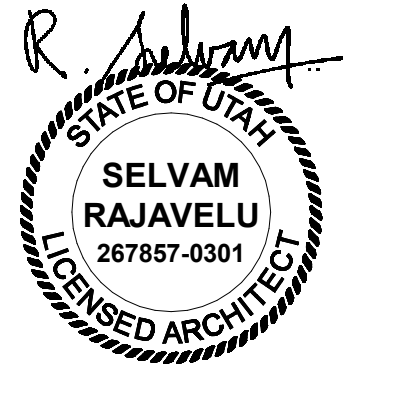
END OF SECTION 08 42 29.23

Available options not specified in this document are summarized as follows:

1. Integral transoms, with optional number and placement of verticals.
2. Finish options (Standard Options Specified):
 - a. Color anodizing options; "Champagne" to "Black"
 - b. Multi-coat Fluoropolymer painted finishes.
 - c. Cladding.
3. Interior (Pocket) sidelites.
4. Clean room rated entrances, Class 1 certified (FED-STD-209E).
5. Locking options (Standard Options Specified):
 - a. 3-Point Locks
 - b. Lock position indicators
 - c. Armored strikes
 - d. Electric Solenoid Lock (Fail Safe/Fail Secure)
 - e. Access Control Locking with surface or recessed panic hardware.
6. Activation and safety options.
7. Control switch options including rotary, keyed rotary, and digital control switch.
8. Wind Resistant Damper option, controls movement of breakout panel.
9. Panel Closer option, returns breakout panel to closed position.
10. Alarm Contacts option, allows for remote monitoring of panel status.
11. Emergency Power Options.
 - a. Uninterruptible Power Supply (UPS); extended operation.
 - b. Fly Open Box; One time operation.

Contact your local [Stanley Access Technologies](#) representative for more information on specifying the right sliding automatic entrance for your project.

These specifications represent a "sample" door configuration and depict design features that are commonly used. These specifications do not reflect "standard" features and are provided for informational purposes only. Please note that there is no standard "off the shelf" product. Stanley custom manufactures each product to its customers' specifications. It is the customer's responsibility to validate that a particular configuration of Stanley's products is suitable for a specific application. All specifications and designs contained herein are subject to change without notice or obligation.



KEYED NOTES

- 02.21 MED GAS OUTLET, EXISTING TO REMAIN. PROTECT FROM DAMAGE DURING CONSTRUCTION.
- 02.67 MED GAS SHUT OFF PANEL, EXISTING TO REMAIN.
- 03.25 10" CONCRETE INFILL SLAB, SEE STRUCTURAL DRAWINGS
- 03.27 CONCRETE INFILL SLAB, SEE STRUCTURAL DRAWINGS.
- 06.01 CABINET, SEE CABINET LEGEND ON SHEET A505A, AND INTERIOR ELEVATIONS. FOR CABINET TYPES SUCH AS BASE CABINETS, WALL CABINETS, TALL CABINETS, ETC.
- 06.14 HARDWARE FOR ALL CASEWORK, INSIDE THE MRI SCAN ROOM TO BE NON-FERROUS (STAINLESS STEEL BRASS OR COPPER). THIS INCLUDES DOOR AND DRAWER PULLS, DRAWER SLIDES, LOCKS, CABINET DOOR HINGES, ETC
- 08.24 ALUMINUM-FRAMED STOREFRONT SYSTEM, WINDOW SYSTEM SHALL BE 2' X 4 1/2" TYPE FRAMES, GLAZING SHALL BE LOCATED CENTERED IN THE FRAME. FRAMES SHALL BE CLEAR ANODIZED.
- 08.26 AUTOMATIC SLIDING ALUMINUM AND GLASS DOOR ENTRANCE WITH BREAKOUT FUNCTIONALITY, STANLEY DURAGLIDE 3000 SERIES AS BASIS OF DESIGN.
- 09.02 PATCH AND REPAIR WALL FINISHES, BUMPER GUARDS, WALL BASE, ETC. TO MATCH ADJACENT/UT.
- 09.06 RF SHIELDING EXISTING UNDER THE PLYWOOD BENEATH THE NEW FLOORING. CONTRACTOR SHALL PROTECT SHIELDING AND CONTACT SHIELDING VENDOR PDC FOR MORE INFORMATION, SEE FINISH FLOOR PLAN FOR NEW FLOORING.
- 09.07 FLOOR COVERING, SEE FINISH FLOOR PLANS FOR FLOOR COVERING INDICATED WITH A FLOOR FINISH TAG (AS F1, F2, F3, ETC.). SEE FINISH SCHEDULE ON SHEET A603A FOR MATERIAL, SIZE, COLOR, ETC. FOR EACH FLOOR FINISH TAG.
- 10.01 GLOVES DISPENSER, OWNER FURNISHED, CONTRACTOR INSTALLED.
- 10.02 EMESIS BAG DISPENSER, OWNER FURNISHED, CONTRACTOR INSTALLED.
- 11.13 TELEVISION (TV), NOT IN CONTRACT, OWNER FURNISHED OWNER INSTALLED. PROVIDE WALL MOUNTED METAL BRACKET TO SUPPORT THE TV, BRACKET SIZE AND MODEL SHALL BE BASED ON THE TV SIZE. PROVIDE PLYWOOD BACKING IN WALL AS REQUIRED TO SUPPORT THE TV BRACKET. PROVIDE POWER, DATA AND HDMI PORT. SEE ELECTRICAL DRAWINGS.
- 11.19 NEW OR RE-PURPOSED MRI EQUIPMENT BY OWNER'S VENDOR GE HEALTHCARE. SEE GE EQUIPMENT DRAWINGS FOR MORE INFORMATION.
- 26.01 ILLUMINATED WALL FIXTURE, SEE ELECTRICAL DRAWINGS. SEE EQUIPMENT DRAWINGS.

GENERAL NOTES

- A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND.
- B. SEE SHEET A505A FOR CABINET LEGEND.
- C. SEE SHEET A601A FOR DOOR SCHEDULE.
- D. SEE SHEET A603A FOR FINISH SCHEDULE AND GENERAL NOTES.

1 Floor Plan Level 1
SCALE: 1/4" = 1'-0"

Intermountain Healthcare
 Utah Valley Regional Medical Center
 MRI Replacement

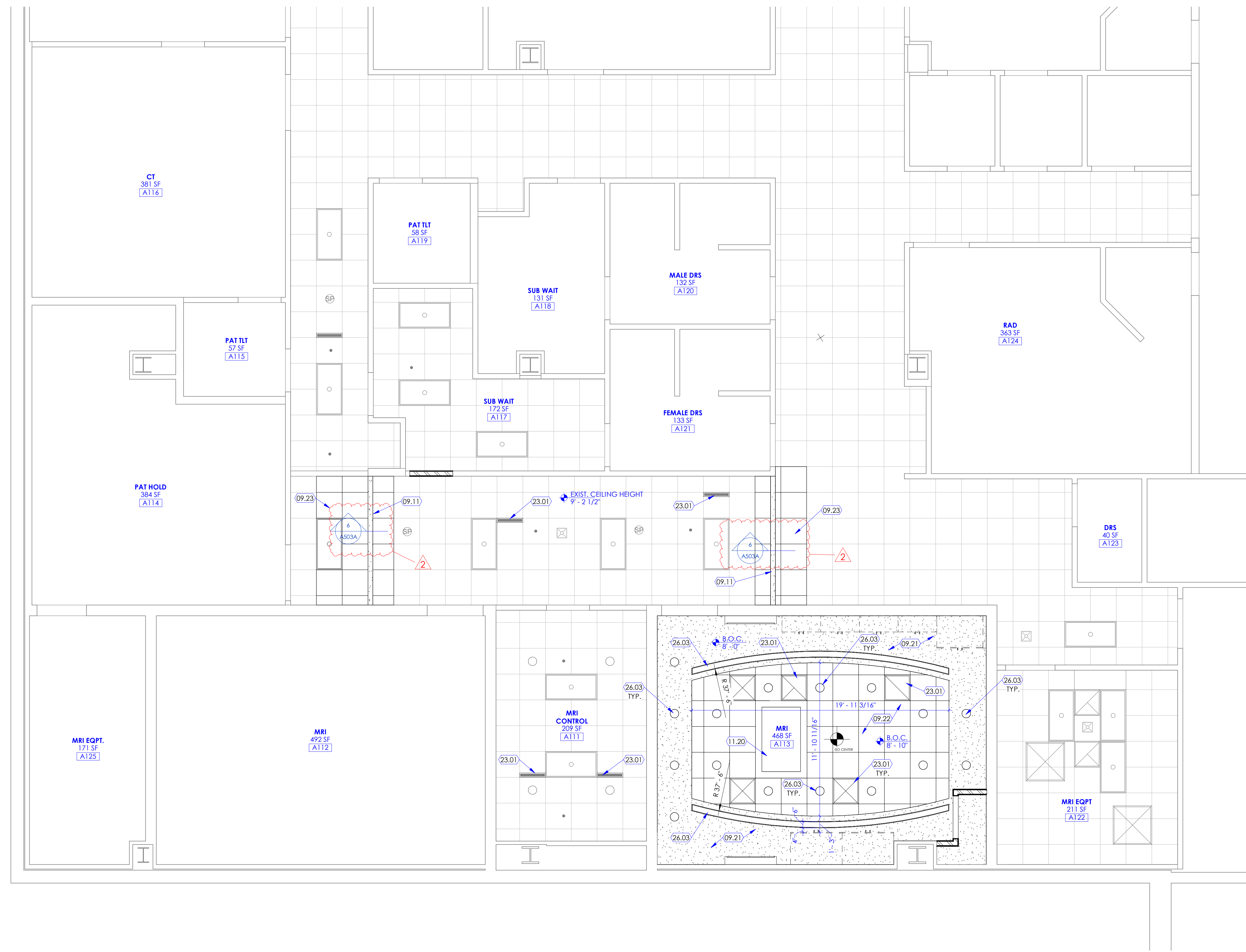
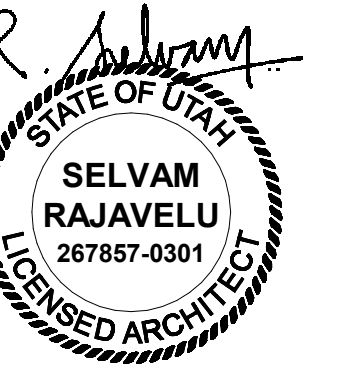
1034 North 500 W
 Provo, Utah 84604

NJRA Project # 22230.00
 Bid Set Jan. 23, 2023
 1 Addendum 01 Feb. 14, 2023
 2 Addendum 02 Feb. 16, 2023

Floor Plan Level 1

A113

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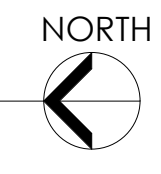
KEYED NOTES

09.11 GYPSUM BOARD HEADER. SEE DETAIL 6/A503A UNLESS NOTED OTHERWISE WITH A SEPARATE SPECIFIC DETAIL.
 09.21 PAINTED GYPSUM BOARD CEILING. SEE DETAIL 1/A506B.
 09.22 2'X2' ACOUSTICAL PANEL CEILING TILES AND GRID SYSTEM. BASIS OF DESIGN: ARMSTRONG HEALTH ZONE ULTIMA TILES. SEE CEILING DETAILS ON SHEET A503A.
 09.23 MODIFY AND RE-INSTALL REMOVED CEILING TILES AND GRID SYSTEM AFTER ABOVE CEILING WORK IS COMPLETED.
 11.20 CEILING MOUNTED HD IMAGE DISPLAY INSTALLED IN THE GYPSUM HEADER FRAMING. DISPLAY PROVIDED BY OWNERS VENDOR PDC CARING SUITE. INSTALLED BY ELECTRICAL CONTRACTOR. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION.
 23.01 MECHANICAL DIFFUSER OR GRILLE. SEE MECHANICAL DRAWINGS.
 26.03 LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS. SEE EQUIPMENT DRAWINGS.

GENERAL NOTES

A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND.
 B. SEE SHEET A505A FOR CABINET LEGEND.
 C. SEE SHEET A601A FOR DOOR SCHEDULE.
 D. SEE SHEET A603A FOR FINISH SCHEDULE AND GENERAL NOTES.

1 Reflected Ceiling Plan Level 1
SCALE: 1/4" = 1'-0"



Intermountain Healthcare
Utah Valley Regional Medical Center
MRI Replacement

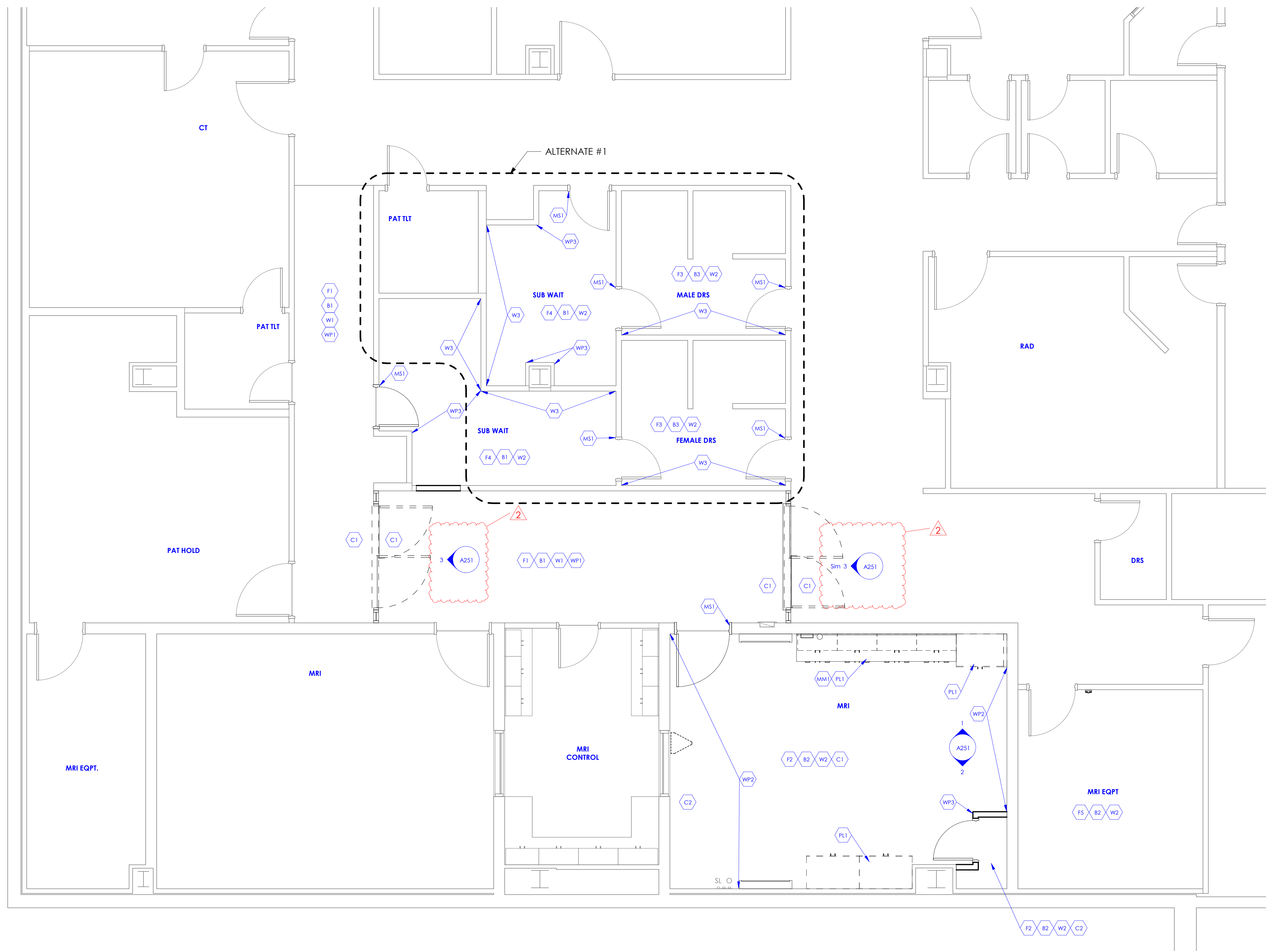
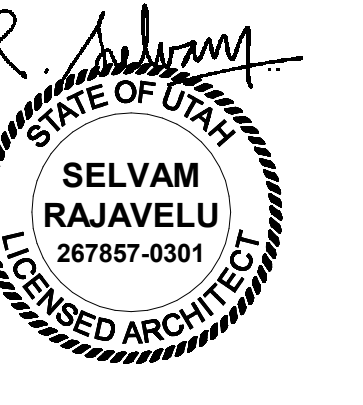
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 1 Addendum 01 Feb. 14, 2023
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Reflected Ceiling Plan Level 1

A116

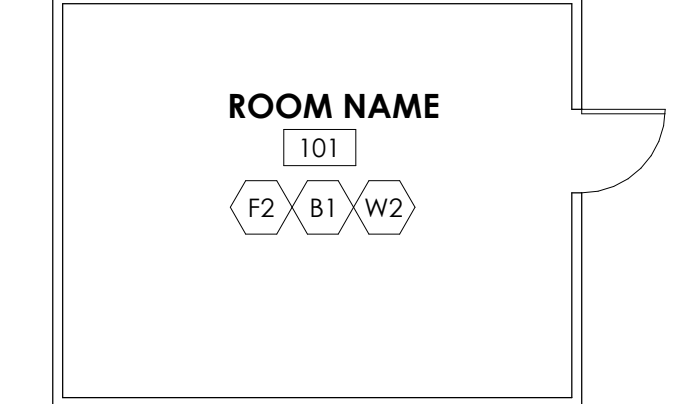
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KEYED NOTES

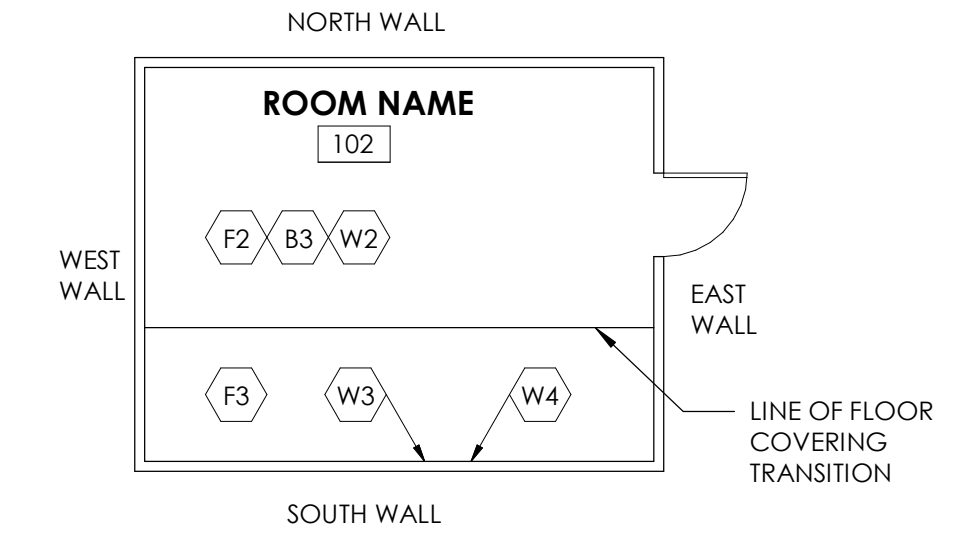
SAMPLE LAYOUTS

SAMPLE LAYOUT 1



NOTE: AS INDICATED IN ROOM NUMBER 101, MAJORITY OF THE ROOMS IN THE PROJECT SHALL HAVE A SINGLE TYPE OF FLOOR FINISH, WALL BASE AND WALL FINISH. WALL FINISH INDICATED AS "W2" SHALL APPLY TO ALL FOUR WALLS FROM FLOOR TO CEILING.

SAMPLE LAYOUT 2



NOTE: AS INDICATED IN ROOM NUMBER 102, SOME ROOMS SHALL HAVE MULTIPLE FLOOR AND WALL FINISHES. SEE GENERAL NOTE "C" ON SHEET A603A FOR FLOOR COVERING TRANSITIONS. THE WALL FINISH INDICATED AS "W2" IN THE ROOM (WITHOUT AN ARROW POINTING TO ANY SPECIFIC WALL) SHALL APPLY TO THE WEST, NORTH AND EAST WALL WHERE WALL FINISHES ARE INDICATED WITH AN ARROW POINTING TO THE SOUTH SIDE. WALL SHALL HAVE MULTIPLE FINISHES SUCH AS "W3" AND "W4". SEE INTERIOR ELEVATIONS FOR TRANSITION DETAILS BETWEEN "W3" AND "W4".

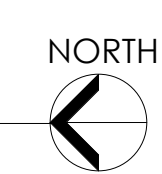
GENERAL NOTES

- A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND.
- B. SEE SHEET A505A FOR CABINET LEGEND.
- C. SEE SHEET A601A FOR DOOR SCHEDULE.
- D. SEE SHEET A603A FOR FINISH SCHEDULE AND GENERAL NOTES.

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 MRI Replacement

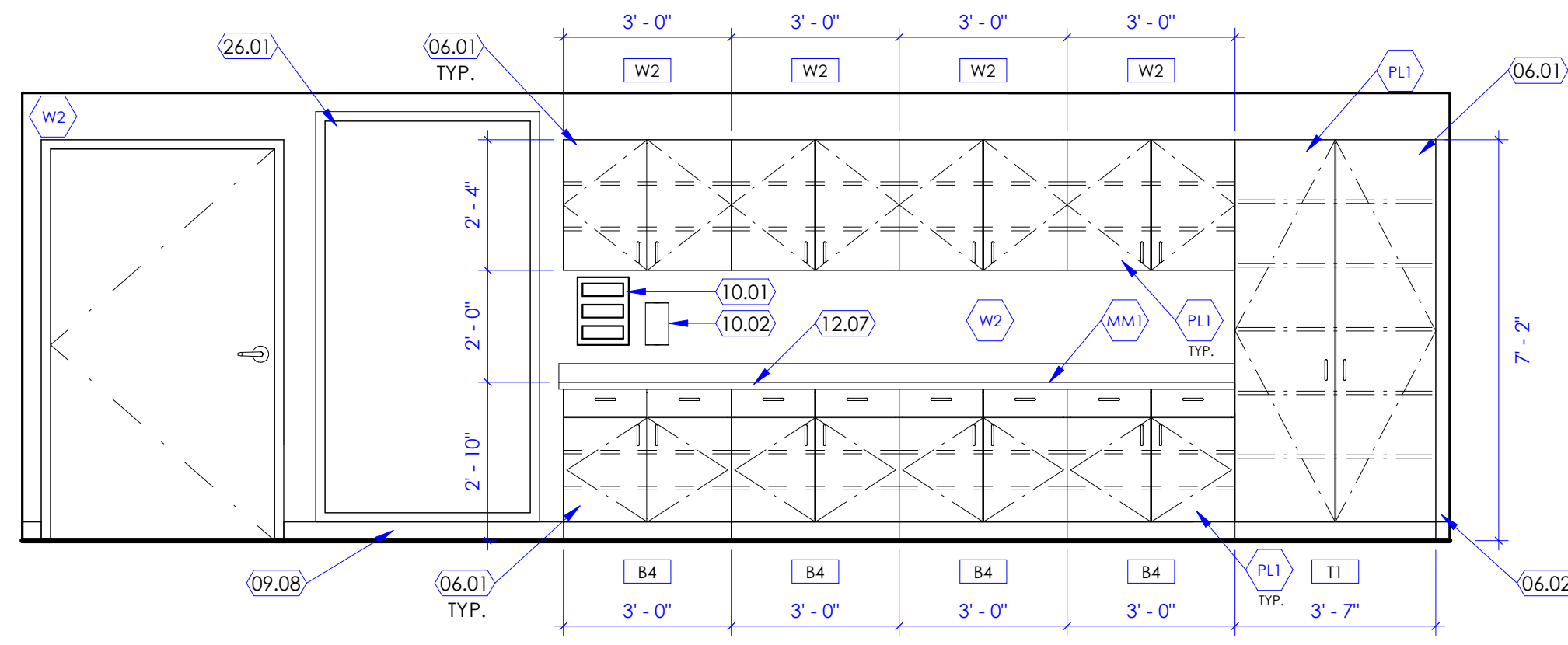
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1 Floor Plan Level 1
SCALE: 1/4"=1'-0"

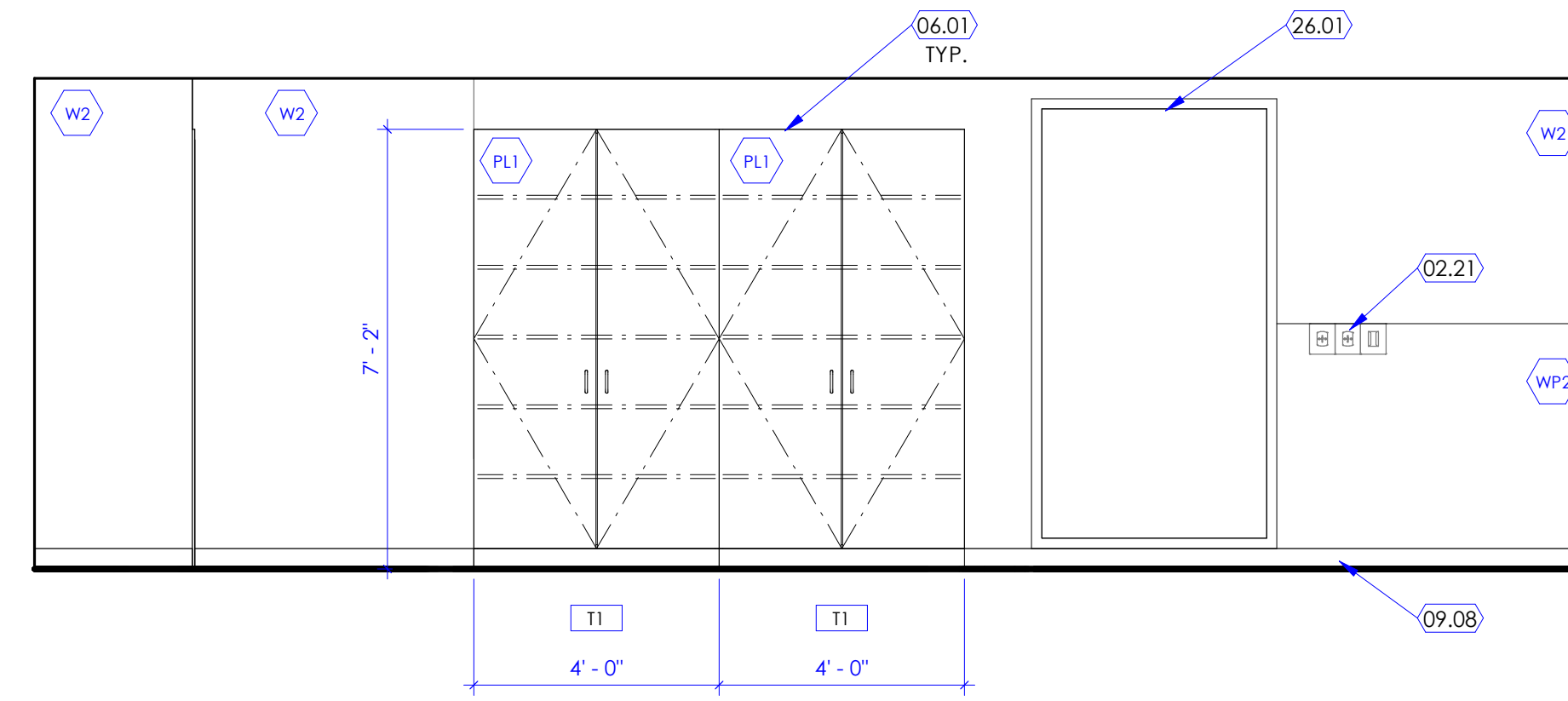


Finish Plan
Level 1 -
Overall

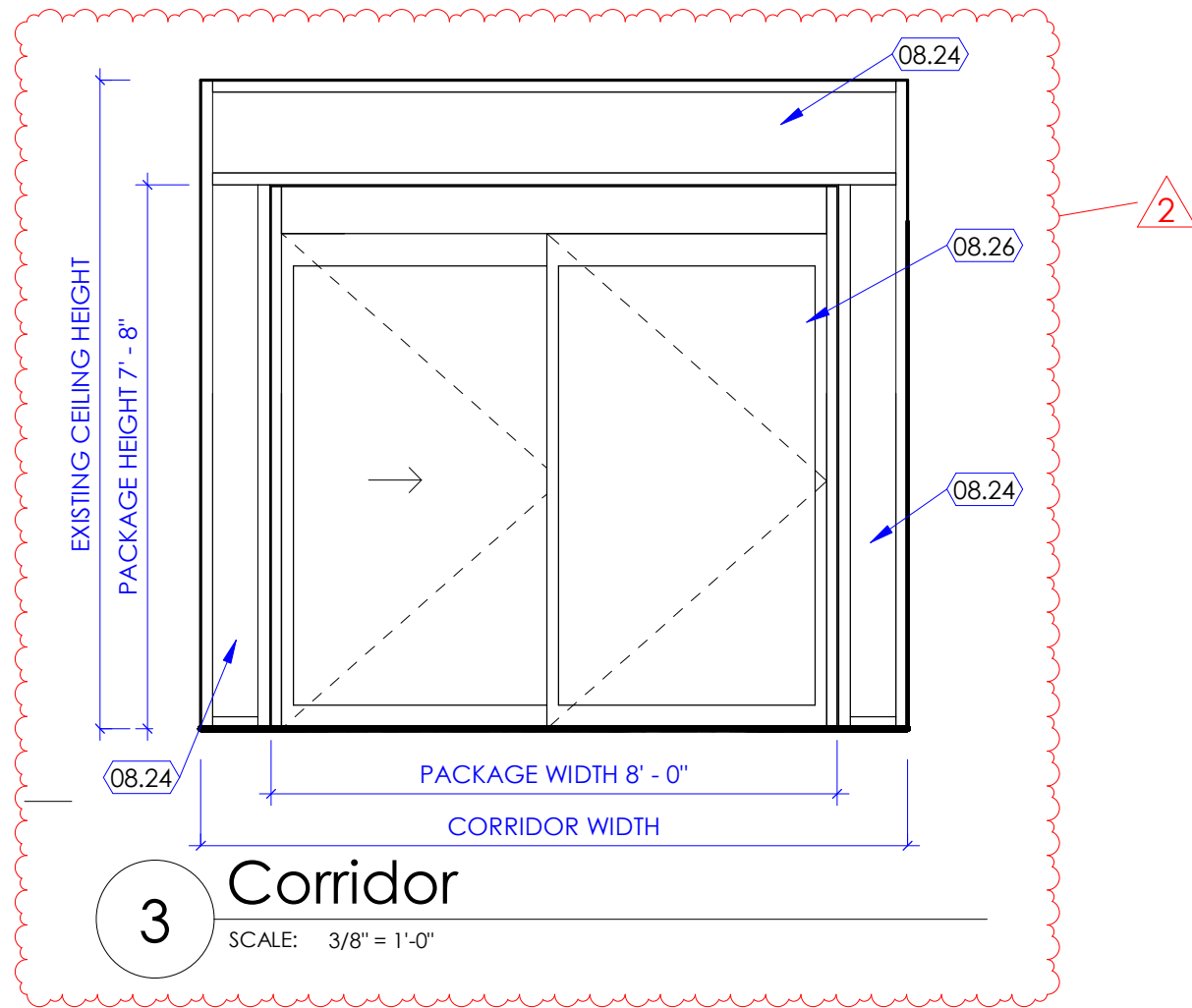
A117



1 MRI
SCALE: 3/8" = 1'-0"



2 MRI
SCALE: 3/8" = 1'-0"



3 Corridor
SCALE: 3/8" = 1'-0"

KEYED NOTES

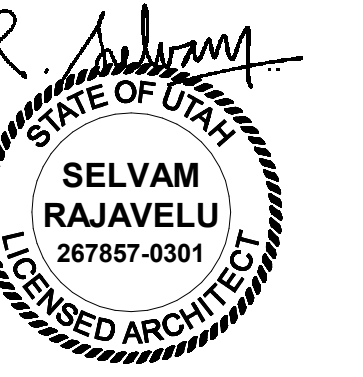
- 02.21 MED GAS OUTLET, EXISTING TO REMAIN, PROTECT FROM DAMAGE DURING CONSTRUCTION.
- 06.01 CABINET, SEE CABINET LEGEND ON SHEET 1/A505A, AND INTERIOR ELEVATIONS, FOR CABINET TYPES SUCH AS BASE CABINETS, WALL CABINETS, TALL CABINETS, ETC.
- 06.02 FILLER PANEL, PLASTIC LAMINATE WRAPPED OVER 3/4" PARTICLE BOARD, PROVIDE FILLER PANEL BETWEEN CABINETS AND BETWEEN CABINET AND WALL, TYPICAL.
- 08.24 ALUMINUM-FRAMED STOREFRONT SYSTEM, WINDOW SYSTEM SHALL BE 2" X 4 1/2" TYPE FRAMES, GLAZING SHALL BE LOCATED CENTERED IN THE FRAME, FRAMES SHALL CLEAR ANODIZED.
- 08.26 AUTOMATIC SLIDING ALUMINUM AND GLASS DOOR ENTRANCE WITH BREAKOUT FUNCTIONALITY, STANLEY DURAGLIDE 3000 SERIES AS BASIS OF DESIGN.
- 09.08 WALL BASE, SEE FINISH FLOOR PLANS FOR WALL BASE TYPE INDICATED WITH A WALL BASE TAG (AS B1, B2, B3, ETC.), SEE FINISH SCHEDULE ON SHEET A603A FOR MATERIAL, SIZE, COLOR, ETC., FOR EACH WALL BASE TAG.
- 10.01 GLOVES DISPENSER, OWNER FURNISHED, CONTRACTOR INSTALLED.
- 10.02 EMESIS BAG DISPENSER, OWNER FURNISHED, CONTRACTOR INSTALLED.
- 12.07 COUNTERTOP, MONOLITHIC MATERIAL (SOLID SURFACE)
- 26.01 ILLUMINATED WALL FIXTURE, SEE ELECTRICAL DRAWINGS, SEE EQUIPMENT DRAWINGS.

GENERAL NOTES

- A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND.
- B. SEE SHEET A505A FOR CABINET LEGEND.
- C. SEE SHEET A601A FOR DOOR SCHEDULE.
- D. SEE SHEET A603A FOR FINISH SCHEDULE AND GENERAL NOTES.



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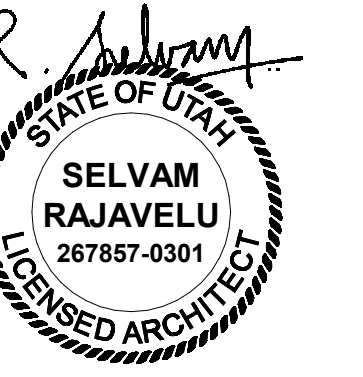
Intermountain Healthcare
 Utah Valley Regional Medical Center
 MRI Replacement

1034 North 500 W
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Interior
 Elevations

A251



DOOR SCHEDULE

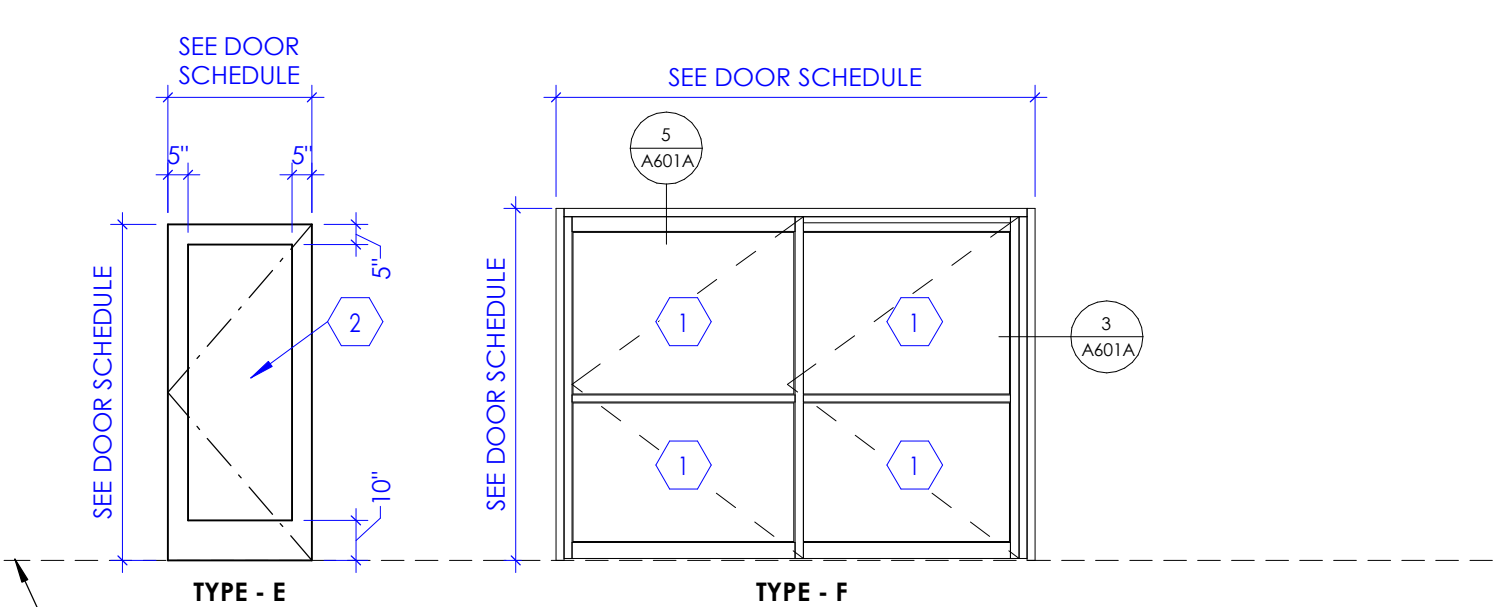
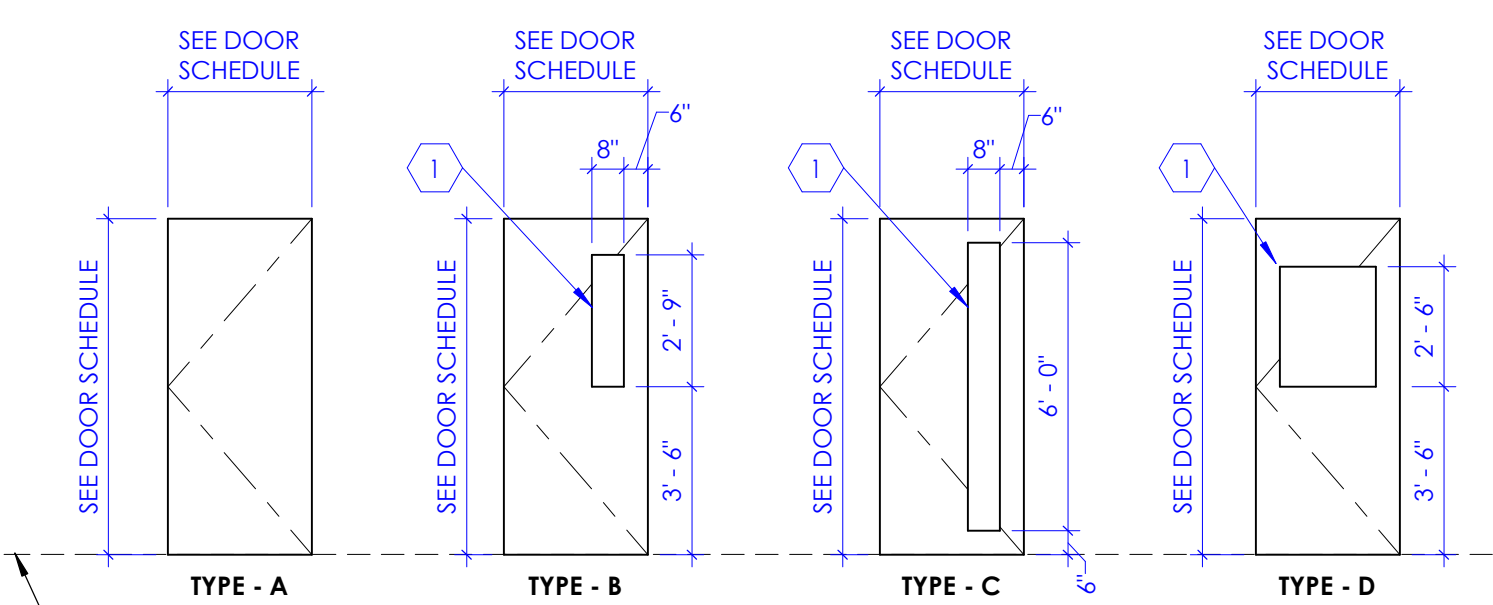
DOOR #	# OF PANELS	WIDTH		DOOR SIZE			FRAME			DETAILS			DOOR #	FIRE RATING (MINUTES)	HARDWARE GROUP	COMMENTS
		W1	W2	HEIGHT	THICKNESS	MATERIAL	TYPE (1/A601A)	TYPE (2/A601A)	DEPTH	MATERIAL	JAMB	HEAD				
101A	2	8' - 0"		7' - 8"		AL/GL	F		AL	3/A601A	5/A601A		101A			1,5,6
101B	2	8' - 0"		7' - 8"		AL/GL	F		AL	3/A601A	5/A601A		101B			1,5,6
113A	1	4' - 0"		7' - 0"	1 3/4"	WD	A	1	11"				113A			2,5
113B	1	3' - 0"		7' - 0"	1 3/4"	WD	A	1	5 7/8"	HM	4/A601A	4/A601A	113B			3
117A	1	3' - 0"		7' - 0"	1 3/4"	WD	A	1	5 7/8"	HM	4/A601A	4/A601A	117A			4

COMMENTS

1. PROVIDE ACCESS CONTROL CARD READER. SEE ELECTRICAL DRAWINGS.
 2. RF DOOR AND JAMB PROVIDED BY OTHERS. SEE EQUIPMENT DRAWINGS. CONTACT OWNER'S VENDOR. PDC. FOR MORE INFORMATION.
 3. PROVIDE DOOR HARDWARE: HD105 RHO 658AM ANTIMICROBIAL PASSAGE FUNCTION LEVER WITH SATIN CHROME FINISH. (3) MCKINNEY T4A3381 HINGES, ROCKWOOD 608-RKW DOOR SILENCERS, (1) ROCKWOOD 409 US32D/430 WALL STOP
 4. REUSE PASSAGE LEVER, HINGES, DOOR STOP FROM PREVIOUSLY DEMOLISHED DOOR.
 5. DOOR HARDWARE BY MFC.
 6. PROVIDE TWO PANEL ALUMINUM AND GLASS AUTOMATIC SLIDING DOOR WITH FULL BREAKOUT. SEE SPECIFICATIONS.
- NOTE: ALL DOOR HARDWARE TO BE FIELD VERIFIED AND COORDINATED WITH FACILITY MANAGER TO COMPLY WITH HOSPITAL STANDARDS AND COMPATIBILITY WITH EXISTING HARDWARE.

KEYED NOTES

1. VISION PANEL, GLAZING IN VISION PANEL SHALL BE 1/4" THICK, CLEAR, TEMPERED, GLAZING. FOR WOOD DOOR, PROVIDE WOOD TRIM FRAME FLUSH WITH THE FACE OF THE DOOR, AROUND THE VISION PANEL OPENING. STAIN AND SPECIES OF WOOD TRIM SHALL MATCH WOOD DOOR. FOR HOLLOW METAL DOOR, PROVIDE METAL TRIM AROUND VISION PANEL. GLAZING SHALL BE FIRE RATED IF DOORS ARE REQUIRED TO BE FIRE RATED.
2. FOR EXTERIOR DOORS OF THIS TYPE, GLAZING SHALL BE TINTED, INSULATED, TEMPERED, LOW E, AND 1" THICK. FOR INTERIOR DOORS OF THIS TYPE, GLAZING SHALL BE CLEAR, TEMPERED AND 1/4" THICK. STAINLESS STEEL WELDED WIRE MESH (15 GAUGE) ATTACHED TO DOOR. PROVIDE FRAME AROUND THE OPENING IN DOOR TO SECURE THE MESH IN PLACE.
3. METAL LOUVER IN DOOR FOR VENTILATION.



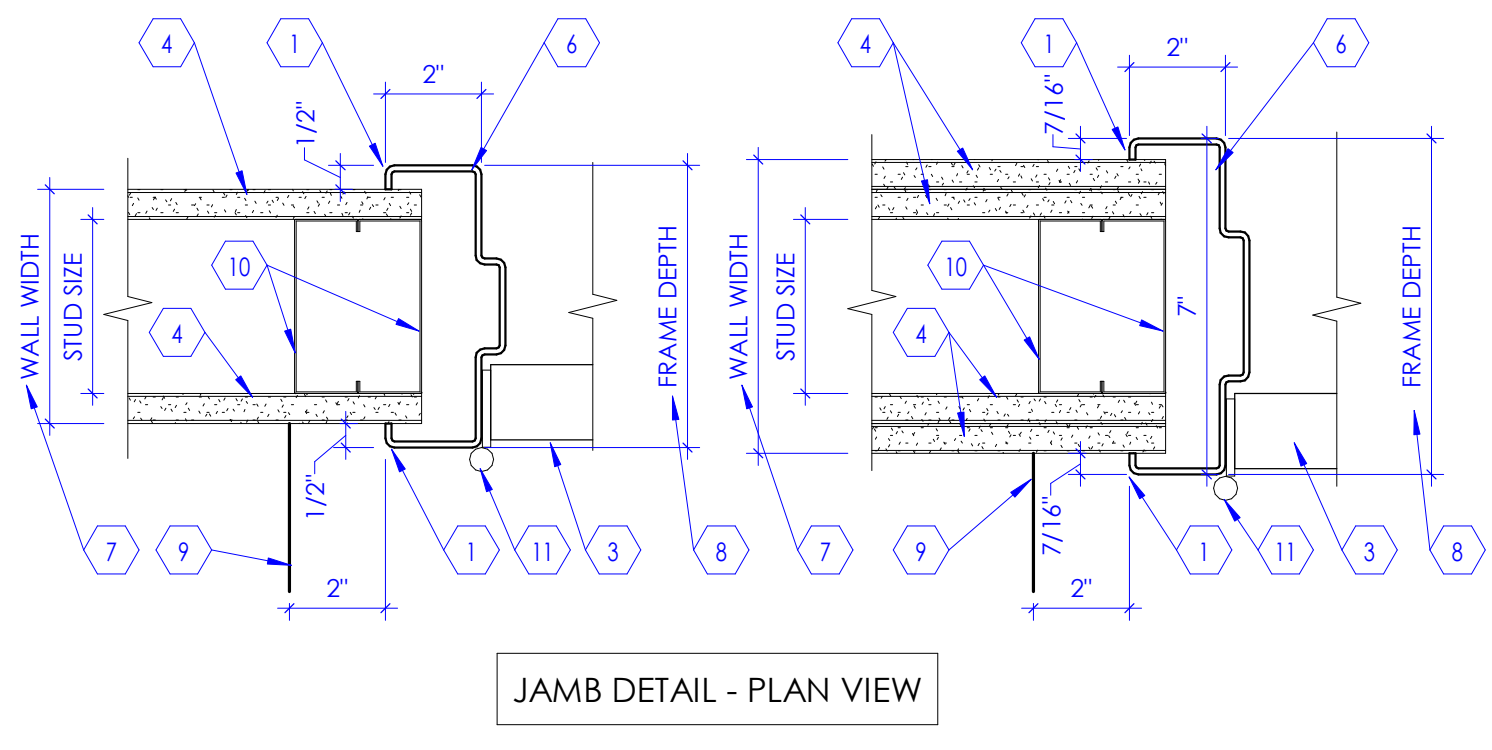
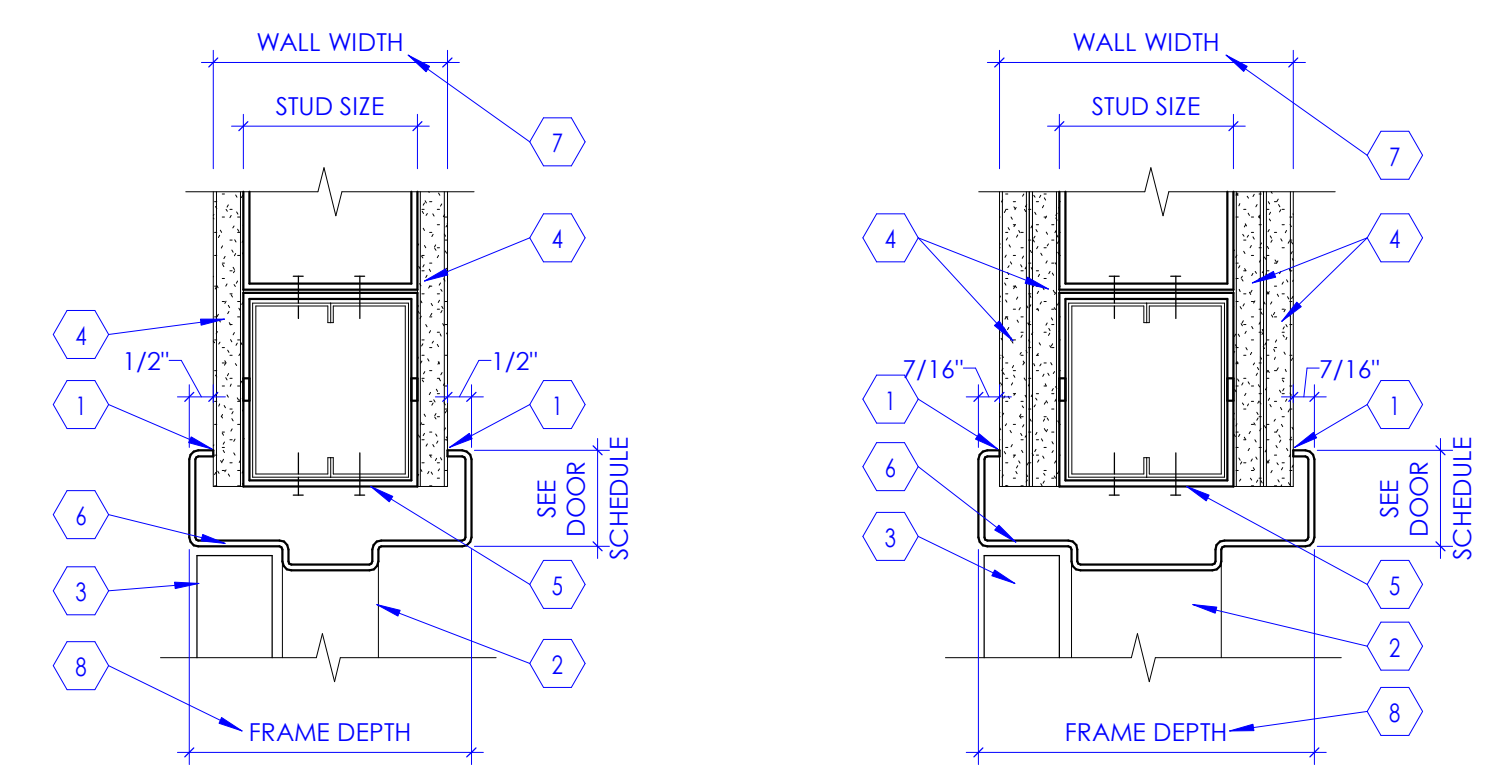
1 Door Types

NOTE: REFER TO "DOOR SCHEDULE" TABLE FOR DOOR TYPES REQUIRED FOR THIS PROJECT. SOME DOOR TYPE ELEVATIONS INDICATED ABOVE, MAY NOT BE APPLICABLE TO THIS PROJECT.

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

KEYED NOTES

1. CONTINUOUS SEALANT ON BOTH SIDES OF THE FRAME.
2. DOOR FRAME SEEN BEYOND.
3. DOOR, SEE DOOR SCHEDULE FOR DOOR TYPE.
4. GYPSUM BOARD, 5/8" THICK, TYPE 'X', ATTACH TO METAL STUD FRAMING. SEE WALL TYPES.
5. STEEL RUNNER (18 GAUGE) FASTENED WITH SCREWS TO STUD STUDS AT EACH END. SEE DETAIL 6 / A502A
6. HOLLOW METAL DOOR FRAME, FRAME THICKNESS VARIES WITH WALL THICKNESS. SEE FLOOR PLAN AND WALL SECTIONS, PAINT FRAME.
7. SEE WALL TYPES FOR WALL WIDTH AND STUD SIZE.
8. FRAME DEPTH SHALL BE WALL WIDTH PLUS 1".
9. LINE OF WALL AS OCCURS.
10. PROVIDE DOUBLE METAL STUDS AT FRAME JAMBS, WALL ENDS, ETC. PROVIDE STEEL STRAPS (6" HIGH 16 GAUGE STRAPS AT 2'-0" O.C.) SEE DETAIL 7 / A502A
11. DOOR HINGE AS OCCURS. SEE DOOR AND HARDWARE SCHEDULE. SEE FLOOR PLAN FOR DOOR SWING.

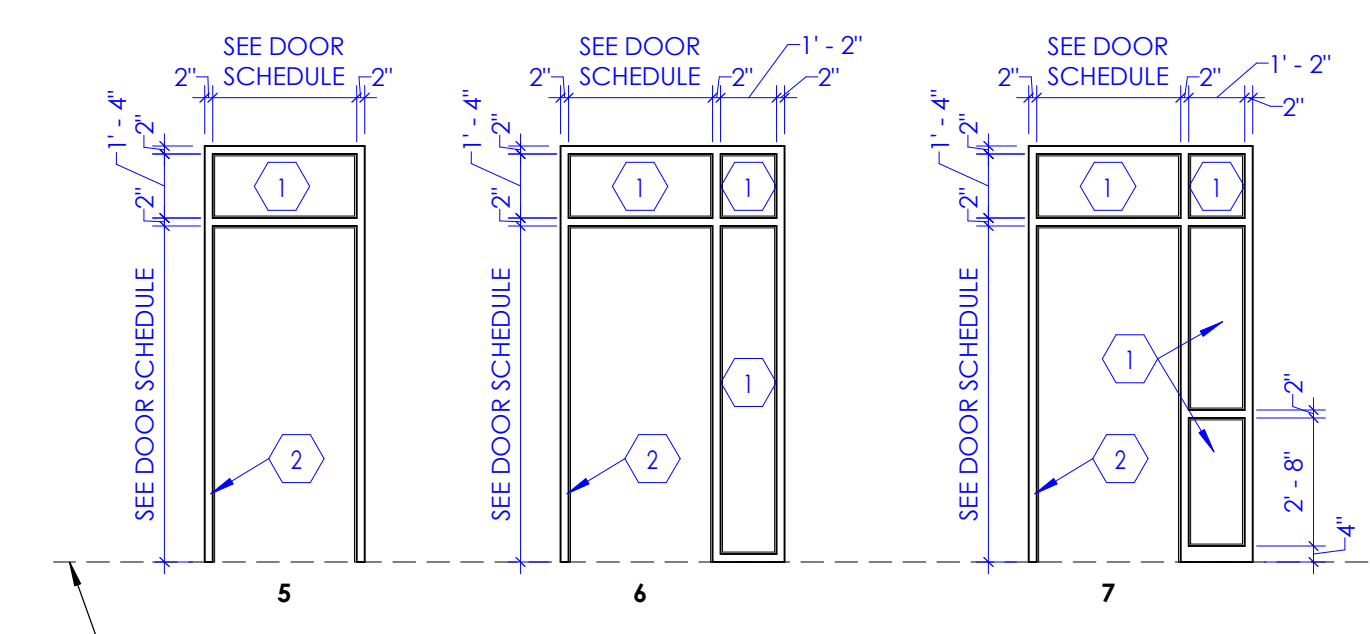
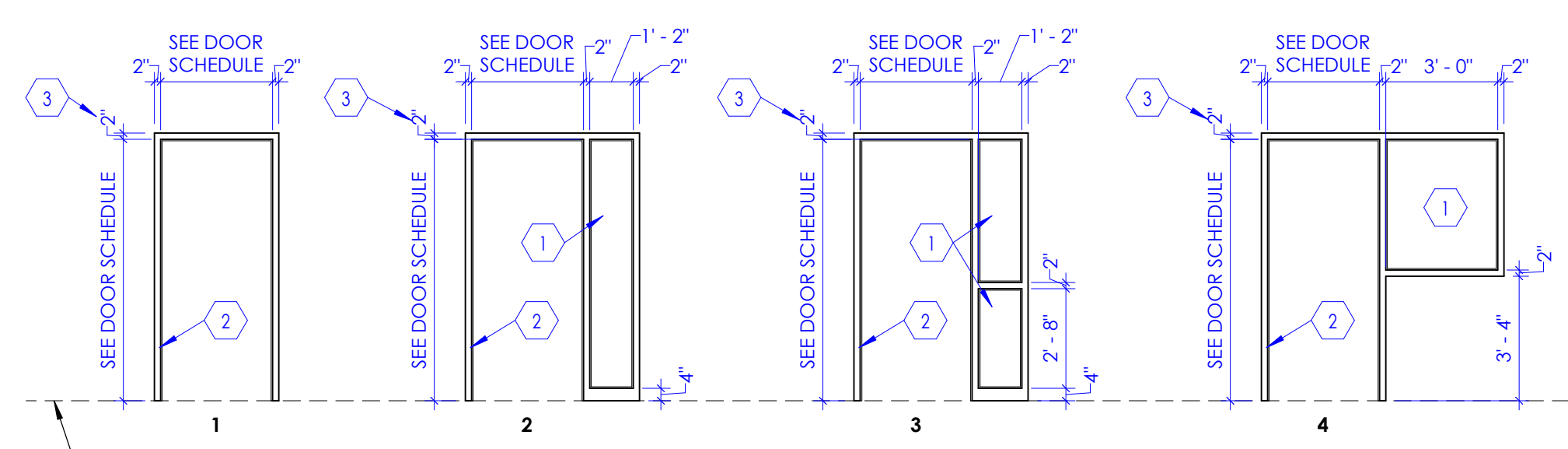


4 Door Frame in Stud Wall

SCALE: 3" = 1'-0"

KEYED NOTES

1. GLAZING SHALL BE CLEAR, TEMPERED, AND 1/4" THICK.
2. DOOR FRAME, SEE DOOR SCHEDULE.
3. WHERE DOOR OCCURS AT MASONRY WALL (8" HIGH, C.M.U. BLOCKS), AND WITH A TYPICAL DOOR HEIGHT OF 7'-0", USE 4" FRAME AS FRAME HEAD INSTEAD OF THE STANDARD 2" FRAME.



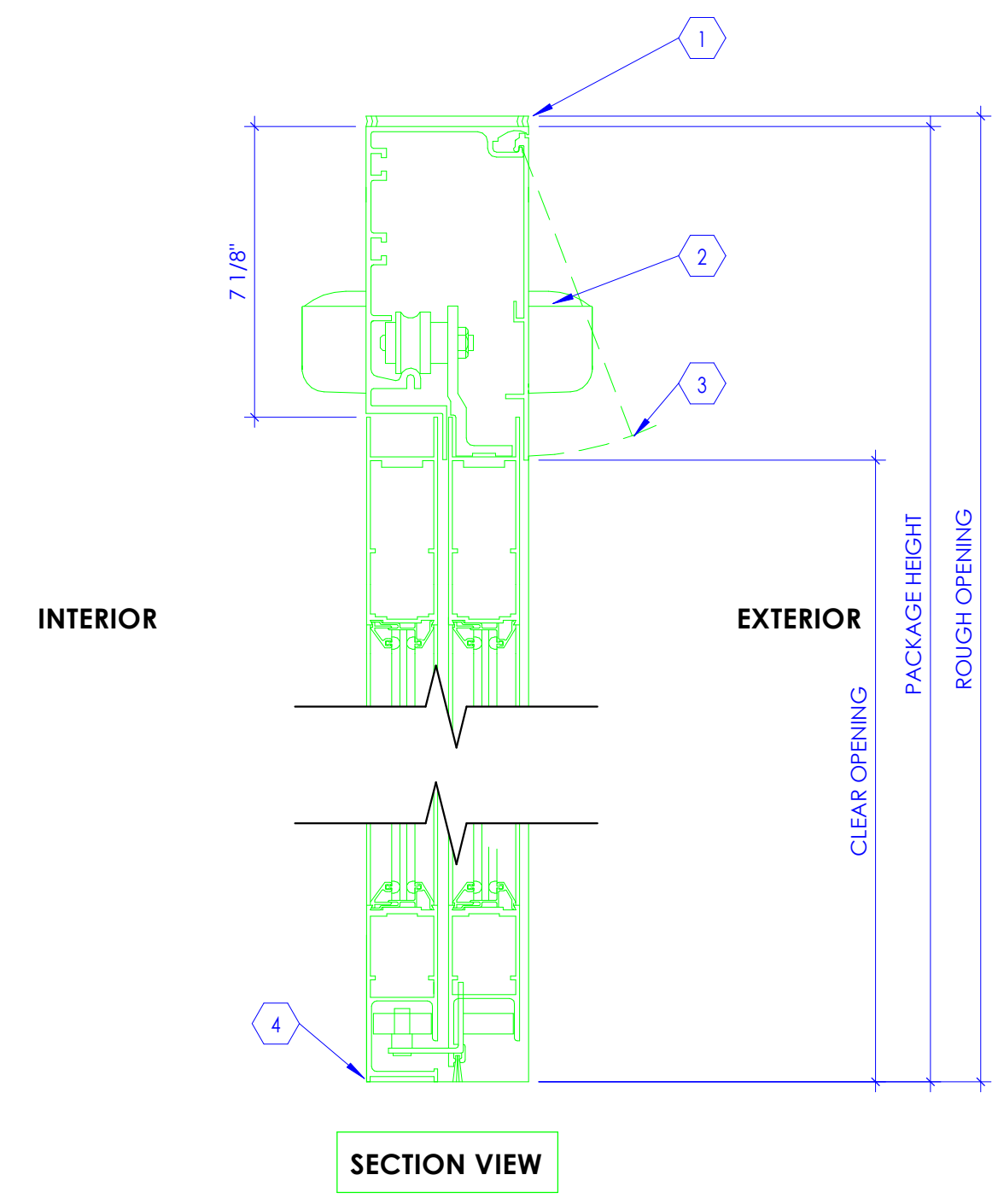
2 Frame Types

NOTE: REFER TO "DOOR SCHEDULE" FOR FRAME TYPES REQUIRED FOR THIS PROJECT. SOME FRAME TYPE ELEVATIONS INDICATED ABOVE MAY NOT BE APPLICABLE TO THIS PROJECT.

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

KEYED NOTES

1. 1/4" SHIM SPACE
2. NOT USED.
3. ACCESS COVER
4. SEE THRESHOLD DETAILS

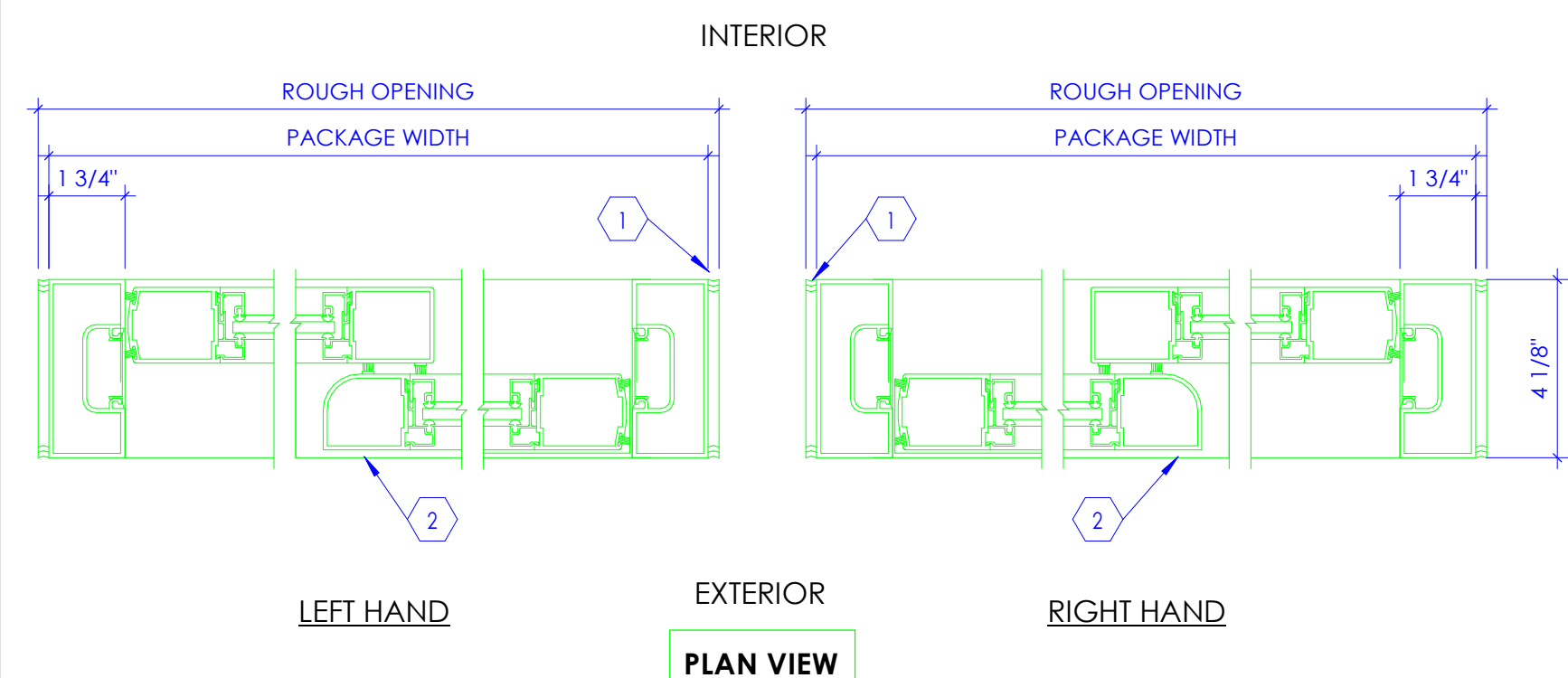


5 Glass Sliding Door Section

SCALE: 3" = 1'-0"

KEYED NOTES

1. 1/4" SHIM SPACE
2. HEADER ABOVE



3 Glass Sliding Door Plan

SCALE: 3" = 1'-0"



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Electrical Addendum #02

Date:	February 16, 2023	From:	Brendan Arita
To:	Sourabh Sinha	Email:	Brendan.arita@speceng.com
Company:	NJRA	Phone:	801-401-8476
Job:	Intermountain UVOC MRI Replacement		
Job No:	220503		

This Addendum shall be considered part of the Contract Documents and Project Manual for the above mentioned project as though it had been issued at the same time and shall be incorporated integrally therewith. Where provisions of the following supplementary data differ from those of the original Contract Documents and Project Manual, the Addendum shall govern and take precedence.

Electrical Addendum

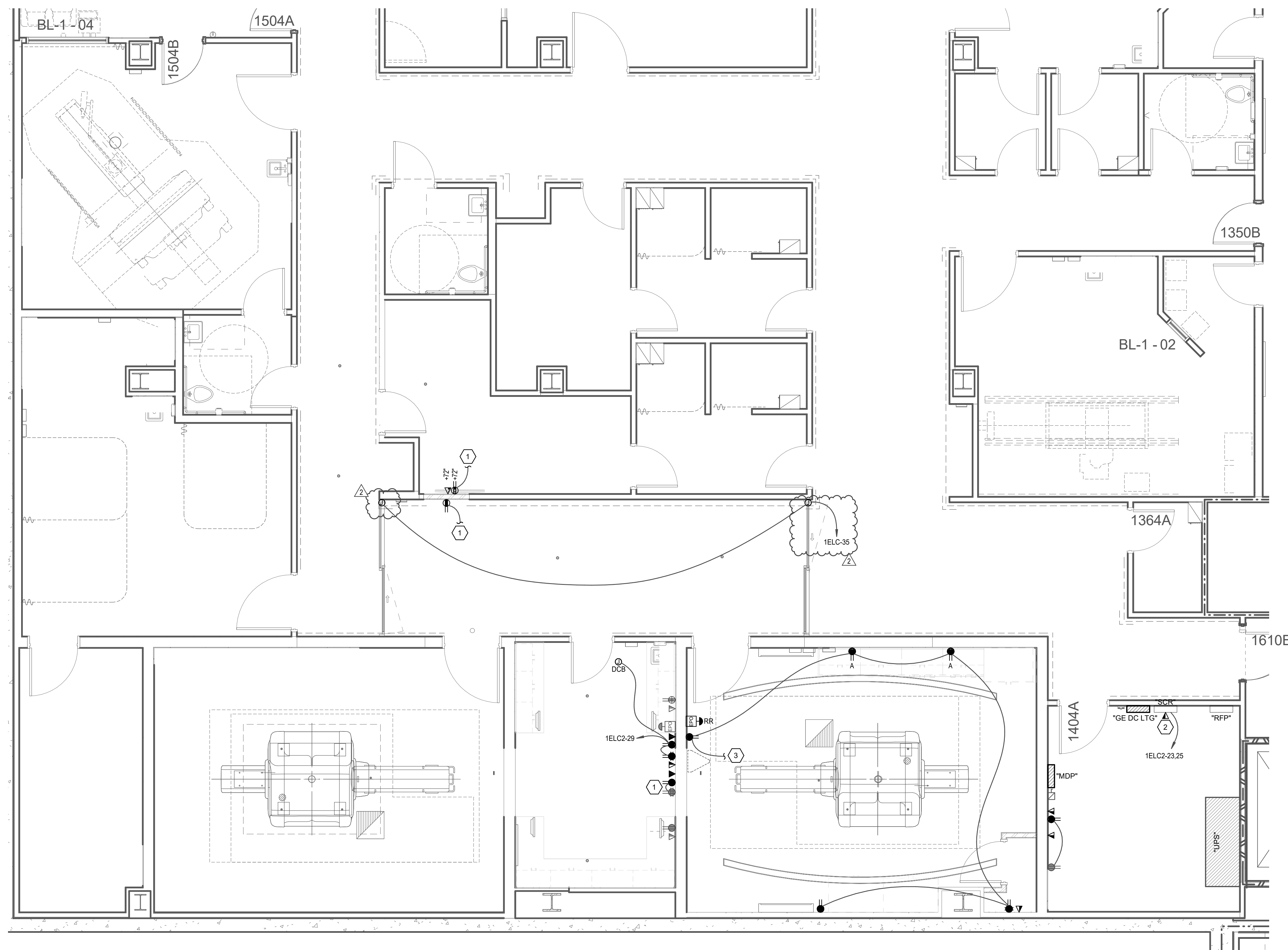
Drawings

1. EP101 – Level 1 Power Plan
 - a. Added power for auto-doors.

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1 LEVEL 1 POWER PLAN

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



GENERAL SHEET NOTES

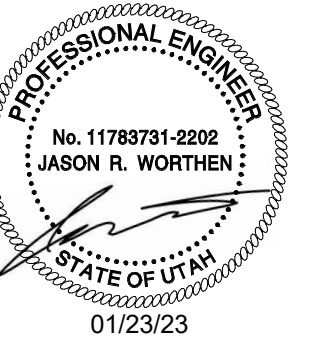
- 1 PROVIDE DEDICATED NEUTRALS FOR ALL BRANCH CIRCUITS.
- 2 ALL WIRING IN PATIENT CARE AREAS SHALL MEET THE REQUIREMENTS OF NEC 517.13.
- 3 CONTRACTOR TO REFER TO IMAGING VENDOR DRAWINGS FOR ADDITIONAL RESPONSIBILITIES.
- 4 ALL ELECTRICAL COMPONENTS INSTALLED IN THE MRI ROOM WILL BE MADE OF NON FERROUS MATERIALS.

SHEET KEYNOTES

- 1 CONNECT TO THE EXISTING CIRCUIT FEEDING THIS SPACE.
- 2 PROVIDE (2) 20A/1P CIRCUITS FOR PDC EQUIPMENT. REFER TO PDC DRAWINGS FOR ADDITIONAL CONTRACTOR RESPONSIBILITIES.
- 3 CONNECT TO THE EXISTING CIRCUIT AND ROUTE THE CIRCUIT THROUGH A NEW RF FILTER.



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Intermountain Healthcare
 Utah Valley Regional Medical Center
 MRI Replacement

34 South State Street, Suite 2300
 Salt Lake City, Utah 84111

NJRA Project # 22230.00
 Construction Documents January 23, 2023
 2 Addendum #02 02/16/23

LEVEL 1
 POWER PLAN

EP101