



ADDENDUM

Date Issued:	February 18, 2022
Project:	Intermountain Healthcare Linear Accelerator Replacement at LDS Hospital 8 th Avenue, C Street Salt Lake City, Utah 84143
Addendum Number:	1

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	As indicated in the Bid invitation, all bids shall need to be Emailed to AnnaLisa Silcox with Intermountain Healthcare Corporate Office at AnnaLisa.Silcox@imail.org by February 23, 2022- 2:00 p.m.
2	All permit fees shall be paid by the Owner. Do not include in the bid.
3	The building shall remain occupied during the construction and some work will need to be coordinated and scheduled with the Owner.
4	Owner shall provide asbestos test report of the project area before beginning of construction and will arrange for any cleanup if required.
5	Contractor shall field verify all dimensions and existing conditions before proceeding with the work. Field verify existing finishes where adjacent existing to be matched.
6	<p>The existing Treatment Room has 8" thick concrete floor slab on grade. See varian Installation Drawings and True beam conduit plan for all conduit and utility lines and connections noted. Coordinate with Varian to field verify existing lines during construction. On Varian Installation Drawings, there is a detail plan named "Standard Cable Access Plan & Section at Pull Box". This plan detail indicates dimension and more information. Remove and replace gypsum board and metal furring to install conduits and pipes as required and where chiller lines are shown in mechanical drawings.</p> <p>Varian and the rigging company shall remove existing linear accelerator equipment. The existing Varian base frame in the Treatment Room shall remain and will be re-used for the new Linear Accelerator. There is absolutely zero tolerance for that base frame to be damaged. If the excavation clips that base frame in any way shape, or form, the entire base frame will need to be replaced. The base frame sets isocenter as well as structurally secures the couch, stand, and gantry.</p> <p>The base frame is a critical component of the future system as well as this project timeline and budget. Contractor shall never, ever modify, destruct, stress, or damage the base frame.</p> <p>To cover the opening behind the new equipment on the floor, provide pre-finished metal</p>



Item Number	General Items Description
	plate with welded handles. Provide sheet vinyl floor covering as floor finish at top of the floor panels. Coordinate with pipes in the trench and locate the steel cover plate system.
7	The existing Treatment Room is enclosed by a concrete vault (with concrete on all sides for floor, roof and walls). The bottom of the vault is constructed with 24 inch thick concrete footing. There is an existing 8 inch thick concrete topping slab which acts as the floor slab for the Treatment Room. In between the floor slab and top of footing there is a 12 inch void space. It is very likely that this void space is filled with gravel (or insulation foam boards) as part of vault construction to support the floor slab above. This information is provided for contractors knowledge of the construction area. Field verify all existing conditions.
8	Varian has provided a checklist of items to the design team for construction coordination. The checklist has items that will impact the construction process, means and methods, instructions and other requirements. Contractor shall review and incorporate the checklist items. Checklist items are part of construction documents and contractor shall clarify with architect prior to submitting the bids. See attached.
9	Varian and Intermountain's rigging vendor will provide rigging and shoring work for the removal of the old linear accelerator equipment and delivery of new Varian equipment. Shoring design along the path of rigging shall be provided by the structural engineer and will be executed by owner's vendor. Coordinate work closely with owner's vendor. Owner's rigging vendor will also provide service to deliver the Varian power conditioner into the basement via the airshaft up to the installation pad.
10	Contractor shall core drill at the exterior wall to run Piping from new chiller outside into the building as outlined in the mechanical drawings. caulk and seal around pipe penetrations for a complete weatherproof installation. Existing chiller at the roof of the Linear accelerator shall be demolished as noted in the mechanical drawings. Contractor shall patch repair roofing for all demolished penetrations for a complete waterproof installation after removal of chiller. Coordinate work closely with Owner. Field verify all existing conditions before proceeding with work.
11	Apply grey colored epoxy coating on the raised concrete platform at basement level where new power conditioner is to be installed to match with adjacent existing. Field verify to match.
12	As requested by owner " Additive Alternate #1 " has been included in the project. As part of this alternate Contractor shall provide separate price to replace existing tall cabinets in the project where indicated in the drawings with new plastic laminate tall cabinets to match existing in design and match new finishes of P-lam. See detail on 1/A505C for more information and attached revised sheets with notes added.

Sheet Number	Drawings
Architectural Drawings	
A111	See attached sheet with revision shown clouded.
A112	See attached sheet with revision shown clouded.
A113	See attached sheet with revision shown clouded.



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Sheet Number	Drawings
A251	See attached sheet with revision shown clouded.

Attachments:

Checklist from Varian

Drawings: Revised sheets A111, A112, A113 & A251.

1 Purpose

The purpose of this document is to illustrate and describe Varian Medical Systems' infrastructural requirements for the TrueBeam/EDGE/VitalBeam Linear Accelerator System(s). The following construction document review comments are provided as a courtesy. This list does not, in any way, relieve the design team of its responsibility to read, understand, and implement all the specifications shown in the complete Varian Product Planning Guide (PPG).

2 Construction/Renovation Drawing Review Checklist

2.1 Architectural

EQUIPMENT RIGGING CLEARANCES (from unloading area to the Vault/Treatment Room)

1. Show/Indicate the proposed unloading (shipping/receiving) area and rig path for the new TrueBeam/EDGE Accelerator. Verify entire rig path is slab on grade (TrueBeam/EDGE Accelerator maximum rig weight is ~12,000 lbs.)
2. Design team to assist customer in finding ~250 sq. ft. of securable storage space for staging during installation (should not use the Vault or Control Area).
3. Verify Vault Door Opening (and all door openings throughout entire rig path) must have free and clear opening of 48" x 84".

EQUIPMENT OPERATIONAL AND SERVICE CLEARANCES – VAULT/TREATMENT ROOM

1. Dimension and provide an unobstructed 9'-0" radius about Isocenter for full couch rotation.
2. Show dimensions from ISOCENTER to REAR wall (to rear *finished* wall 9'-5" min., to rear *concrete* 9'-7" min. with 15'-0" max.).
3. Graphically verify that the 3'-6" service clearance on either side of the Accelerator Stand are clear for service purposes.
4. Graphically verify that 3'-6" on both sides, and front of the Modulator are clear for servicing.
5. Graphically verify a minimum 3" is provided from Modulator back surface to wall behind Modulator Cabinet.
6. Dimension and provide 9'-0" clear from floor to ceiling over machine
7. Dimension Isocenter height on the Vault Section or Interior Elevations 4'-3".
8. Provide custom cabinetry/storage for customer supplied Accessories. (EXAMPLE: Applicator Cones, Wedges, Blocks, Vac-Lock Bags, and Head Masks)
9. Provide a hand washing sink in the counter with a hose spigot located below inside the cabinet and out of sight.
10. In the AutoCAD software make sure the "Beam Layer" is turned "On" in the Plan and Section view. Verify the Primary Barrier is 12" wider than the beam at all locations. (Side Walls and Ceiling.)
11. Provide laser details clearly showing Varian provided, contractor installed steel plate anchored to the concrete. Verify adequate space exists within the laser recess providing protection for the laser from collision.
12. Show dimensions for side lasers mounted with laser port at 4'-3" AFF, Sagittal laser beam port at 7'-6" min. Also, show overhead laser beam port directly over Isocenter. Overhead laser may need its own mounting detail.
13. Final floor covering shall have a Static Rating of 2.0 kV at 20% relative humidity.

14. The TrueBeam/EDGE includes a ceiling mounted Optical Imaging Camera System and ceiling-mounted Dual In-Room Monitor (IRM) display. IRM can be placed on either side of sagittal axis, no more than 4'-6" from sagittal axis, center to center. Verify location of IRM with owner – Max. recommended mounting height 11'-6" AFF (absolute max. 12'-0" AFF)
15. Provide dimensions illustrating proper placement of the 2 Standard Varian CCTV Cameras at 1'-10" off each side of Sagittal Axis and 5'-9" off finished floor, mounted on the sagittal wall.
16. The TrueBeam/EDGE includes a Radiation Hardened Live View Camera This "Live View Camera" must be located 7'-2" off finished floor (+/- 1/2"), and 2'-6" off sagittal axis (+/- 8"), and must be between 8'-0" and 12'-7" away from isocenter in plan-view.
 - a. Contractor to provide structural backing and support for a maximum 10 lb. load.
17. Show the bracket mounting detail for IRM at 7'-0" min. AFF. Wall or ceiling.
18. Show the bracket mounting detail for Optical Imaging Camera System

EQUIPMENT OPERATIONAL AND SERVICE CLEARANCES – CONTROL AREA

1. Verify the control console counter has 7'-0" continuous counter space
2. Verify the Varian control counter is 3'-0" in depth.
3. Verify the Varian control counter has 28" clear under the counter from finish floor.
4. Control monitors located no more than 10'-0" from Control Cabinet, center to center.
5. The Varian Control Cabinet must have at least 2'-6" width x 5'-4" height x 3'-0" depth for storage of Control Cabinet.
6. Varian Control Cabinet must have ability to roll away for service.
7. Main Circuit Breaker Panel located no more than 10'-0" from Control Cabinet, center to center, within sight of therapists.
8. Locate IEC 60309 Receptacle no more than 2'-0" from Control Cabinet, center to center. IEC 60309 Receptacle cannot be located directly behind the Varian Control Cabinet.
9. Provide adequate and functional management of control area workstation cables (monitors, keyboards, etc.) including but not limited to grommets in casework.
10. Control Area should provide storage for patient charts and personal items.

2.2 Structural

1. Use the Varian supplied detail for base frame pit construction. I suggest no substitutes.
2. The slab below the Base Frame Pit needs to be sized by Structural Engineer, a suggested minimum of 10" thick. Provide 3" of concrete between the base frame and the first layer of re-bar below.
3. If the Hospital is in a seismic zone provide attachment details. A set of sample seismic calculations and details are available. Contact your Varian Planning PM.
4. Provide the following grout specification in the drawings: "After the Base Frame is in place and leveled by Varian, fill recess with grout (by Customer). For standard grout, provide a minimum seven days cure time prior to Equipment installation. Use normal weight grout - 147 lb./cu ft (2355 kg/cu m), 28-day strength of 2000 lb./sq. in (141 kg/sq. cm), 6"(152 mm) to 7"(178 mm) slump, 3/8"(10 mm) maximum pea gravel aggregate size."
5. Show the bracket mounting detail for IRM at 7'-0" min. AFF. Wall or ceiling.
6. The Ceiling Mount Monitor Bracket with Ceiling Mounting Plate is furnished and shipped in advance of the Varian TrueBeam/EDGE System by Varian. The ceiling mount support bracket is contractor installed. Mount Ceiling Plate in accordance with local code/regulations using appropriately-sized anchors engineered to support a combined maximum load of 70 lb. (31.8 kg).
7. Provide and size structural backing support for the Varian-Provided, Contractor-installed GCX Wall. Mount Bracket. Install the Wall Mount Bracket per manufacturer's instructions and in accordance with local

code/regulations using appropriately-sized fasteners engineered to support a combined maximum load of 30 lb. (13.6 kg.).

8. Show the bracket mounting detail for Optical Imaging Camera System. The Ceiling Mount Monitor Bracket with Ceiling Mounting Plate is furnished and shipped in advance of the Varian TrueBeam/EDGE system by Varian. The ceiling mount support bracket is contractor installed prior to delivery of Linac. Mount Ceiling Plate in accordance with local code/regulations using appropriately-sized anchors engineered to support a combined maximum load of 30 lb. (13.6 kg.).

2.3 Mechanical and Plumbing

1. The typical location for bringing HVAC into the room is above the door, high and tight to the ceiling. Make sure the opening in the shielding is adequate to bring all other conduits needed for room service through the same opening. (i.e. sprinklers, lighting et.) Don't over size this shielding penetration. Shielding recommendations are by the "Physicist of Record".
2. Verify the ME has addressed the major heat load sources in the design, (Gantry\Stand and Modulator). Also, provide heat vent at the back edge of the counter for computers under the control console as well as AC supplies/returns in the control area ceiling.
3. If possible, prevent any HVAC ductwork to be designed directly over the Varian equipment.
4. Coordinate with Electrical Contractor and Architect of record with regards to duct routing so to not interfere with placement of ceiling mounted items, conduits, lighting, etc.
5. Provide a closed loop or one pass chilled water system for cooling the machine, verify system has flow and temperature gauges, terminate the 1" supply and return lines with Female NPT valves at the location described in the Varian supplied detail. Add a note: "The Contractor shall make the final connection to the machine with Varian supplied 'quick-connect-kit'".
6. Show details locating the chilled water valves on the back wall with appropriate access to the stand for all CWS & CWR access requirements.

2.4 Electrical

CONTROL AREA

1. Provide minimum 2 duplex 120v outlets and 1 quad 120v outlet evenly spaced under the control counter. Include 15-amp dedicated circuit breakers for these outlets.
2. Provide minimum 2 duplex 120v convenience outlets (located behind monitor locations) on the wall above the control counter.
3. Provide minimum 4 network (RJ-45) data drops within three feet of the Control Console. The network cable must be a minimum of category 5e or 7e with a minimum bandwidth of 100 Mbps (Strongly recommend using 1Gbps or higher), full duplex (100BaseT).
4. Verify with owner if they have included a power conditioner on the sales order. Show the appropriate model on the One Line Diagram with a ground. Architect to locate unit within department plan
5. Show GE Main Circuit Breaker Panel # VWB80A480V installed within 10 feet of Varian TrueBeam/EDGE control workstation.
6. IEC 60309 Receptacle located 2'-0" ±6" from center of the Varian Control Cabinet. DO NOT locate IEC 60309 Receptacle directly behind either of the Control Cabinets.

VUALT/TREATMENT ROOM

1. Provide a 120V outlet at or near the Accelerator Stand
2. Provide a 120V outlet at or near the Modulator.
3. If the Modulator is not in the room with the Accelerator provide a phone outlet at the Modulator location.
4. Wall mount the Varian Provided Relay Junction Box (VRJB) above the acoustical tile ceiling (to be out of sight) or at eye level (for ease of installation and service). DO NOT locate the RJB directly above the TrueBeam/EDGE Stand, Modulator Cabinet, or treatment room casework.
5. Show a 'Beam On' Warning Light outside the room over the door. Also, show a second 'Beam On' Warning Light in series, in the room which shall be visible from anywhere in the Accelerator room, for safety. Show an 'X-Ray On' Warning Light outside the room over the treatment room door. Also, show a second 'Beam On' Warning Light in series, in the room which shall be visible from anywhere in the Accelerator room, for safety.
6. Strategically locate Emergency-Off switches in the vault/treatment room. All in-room E-Off buttons must not be located within the radiation beam path. The machine has one on each side of the Couch, one on each side of the Stand. All Emergency-Off switches to be wired to the Relay Junction Box.
7. Electrical contractor to install Varian supplied resistors at each in-room E-Off sequentially clockwise or counter clockwise.
8. Provide adequate room light, preferably two banks of lights.
 - a. 1st bank of lights is for general (Main) room lighting. Main room lights are typically 2 x 4 (or 2 x 2) fluorescent lights. The Main room light circuit is required to connect to the VRJB.
 - b. 2nd bank is for patient setup. Set up lights typically are dimmable can down lights on either side of the couch, this circuit does not connect to the VRJB.
9. Provide 120v outlets for all four lasers locate inside the laser recess

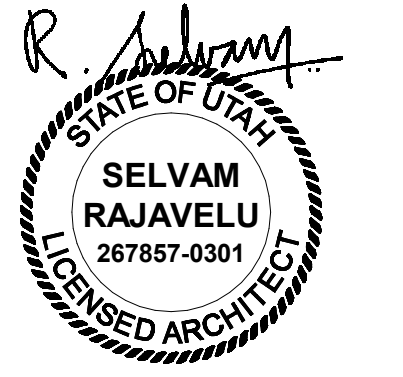
POWER

1. On the One Line Diagram show: a 480V 3 ph. and a parity ground line @ 80amps with 48KVA supply capacity through the Accelerator main circuit breaker panel to the Modulator.
2. Show GE main circuit breaker panel # VWB80A480V on one-line diagram. Add note: "Electrician shall leave 12 ft. of conductor coiled up and left in modulator pull box."
3. Show the unchanged Varian provided, Interconnection Wiring Diagram and all appropriate notes.
4. Provide the following notes on the Electrical drawings. ADD NOTE "Final power and room interconnection shall be made by the Electrician. Varian supplied control cables shall be pulled through the conduits by Varian."
5. If Varian is providing a Transtector Power Conditioner for this new Varian TrueBeam/EDGE system. This item is Varian furnished, contractor installed. Please verify the exact model of power conditioner on the one-line diagram. It is up to the customer and design team to find a permanent location for this device.

CONDUITS and PULLBOXES

1. The following notes must appear somewhere on the electrical drawings. ADD NOTE: "Varian equipment conduits shall not exceed 75'-0" maximum (unless otherwise noted), conduit runs between pull boxes shall not exceed 270 degrees of bends max., and all conduit sweep radii shall be at least 6 diameters of the conduit."
2. There are four main pull box locations for the Varian equipment. The Control console pull box (CCPB), Modulator Pull Box (MPB), the Base Frame Pull Box (BFPB) and the Accessory Pull Box (ACPB).
 - a. For bottom of pull box access use: BFPB = 12" x 24" x 10", CCPB = 30" x 12" x 6", MPB = 18" x 24" x 10" and ACPB = 10" x 24" x 6".
 - b. For side pull box access use: BFPB = 12" x 24" x 22" , CCPB = 24" x 12" x 6" and MPB = 18" x 24" x 22"
3. Provide two-2"C from the Main Circuit Breaker Panel in the Control Room to the Modulator Pull Box for 480V. Max distance 35'-0".

4. Provide (4)4"C from the CCPB to the BFPB,
5. Provide (2)2"C & (2)3"C from the CCPB to the ACPB.
6. Provide (3)4"C from the MPB to the BFPB.
7. Provide (1) 2" conduit from the MCBP to the CCPB.
8. Provide (1) 2" conduit from MCBP to 220V IEC60309 receptacle.
9. Provide a 3" minimum Physics Access Conduit. Angle at 45degs in Plan and Section. Verify with Physicist
10. Provide (2)2"C from the VRJB to the BFPB Max length 68'.
11. Provide the following conduits from Accessory pull box to accessory items:
 - a. (1) 2" conduit to the In-Room monitor.
 - b. (1) 2" conduit to the In-Room Microphone
 - c. (1) 3" conduit to the Optical Imager.
 - d. (1) 1" conduit to EACH CCTV camera
 - e. (2) 1-1/2" conduit to the Radiation Hardened camera location, terminated in a 4" x 4" x 2" electrical enclosure.
 - f. (1) 1" conduit to EACH of the two speakers
 - g. (1) 1" conduit to the PAVS system if ARIA software is being purchased by customer

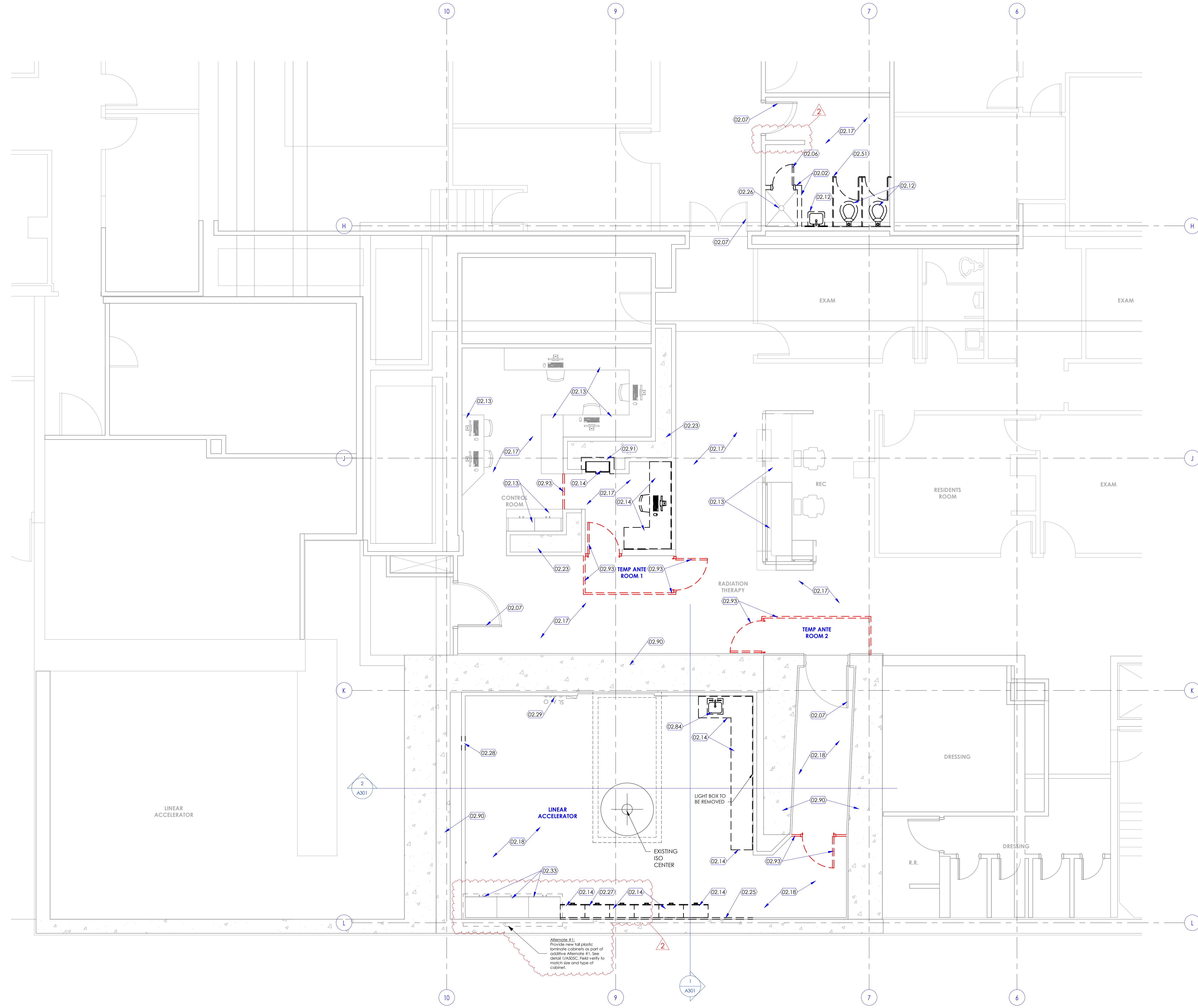


KEYED NOTES

- 02.02 WALL, EXISTING INDICATED WITH DASHED LINE TO BE REMOVED.
- 02.06 DOOR AND DOOR FRAME, EXISTING INDICATED WITH DASHED LINE TO BE REMOVED, DOOR FRAME SHALL BE REMOVED UNLESS NOTED OTHERWISE.
- 02.07 DOOR, FRAME AND HARDWARE, EXISTING TO REMAIN, PROTECT FROM DAMAGE DURING CONSTRUCTION.
- 02.12 PLUMBING FIXTURE, EXISTING INDICATED WITH DASHED LINE TO BE REMOVED, SEE PLUMBING DRAWINGS.
- 02.13 CABINET (AND COUNTERTOP WHERE OCCURS), EXISTING TO REMAIN, PROTECT CABINET AND COUNTERTOP FROM DAMAGE DURING CONSTRUCTION.
- 02.14 CABINET AND COUNTERTOP, EXISTING INDICATED WITH DASHED LINE TO BE REMOVED.
- 02.17 FLOOR COVERING, EXISTING TO REMAIN, PROTECT FLOOR COVERING FROM DAMAGE DURING CONSTRUCTION.
- 02.18 FLOOR COVERING, EXISTING INDICATED IN THIS AREA TO BE REMOVED, COORDINATE EXTENT OF REMOVAL WITH FINISH FLOOR PLANS FOR NEW FLOOR COVERING LOCATIONS AND TRANSITION LINE BETWEEN EXISTING AND NEW FLOOR COVERINGS.
- 02.23 EXISTING CONCRETE WALL TO REMAIN.
- 02.25 FURRED WALL WITH LEAD LINED GYPSUM BOARD, EXISTING INDICATED WITH DASHED LINE TO BE REMOVED, CONTRACTOR TO DISCARD REMOVED LEAD MATERIALS FOLLOWING THE GUIDELINES OF DISPOSAL OF HAZARDOUS MATERIALS. SEE SPECIFICATIONS.
- 02.26 PROTECT EXISTING FLOOR DRAIN AND FLOOR TILE AROUND IT, SEE PLUMBING DRAWINGS FOR MORE INFORMATION.
- 02.27 CAREFULLY REMOVE AND RELOCATE THIS TALL STORAGE CABINET TO THE NEW LOCATION SHOWN IN THE NEW FLOOR PLAN, RE-FINISH CABINET WITH NEW PLASTIC LAMINATE, REPLACE CABINET DOOR WITH NEW PLASTIC LAMINATE DOOR AND HARDWARE BEFORE REINSTALLATION, SEE FINISH SCHEDULE.
- 02.28 REMOVE PORTION OF LEAD LINED GYPSUM BOARD HERE TO INSTALL VARIAN RELAY JUNCTION BOX, SEE ELECTRICAL AND VARIAN DRAWINGS, PATCH, REPAIR AND PAINT WALL TO MATCH WITH ADJACENT EXISTING.
- 02.29 EXISTING MEDGAS AND OUTLETS TO REMAIN, PROTECT DURING CONSTRUCTION.
- 02.33 EXISTING TALL CABINETS TO REMAIN, PROTECT DURING CONSTRUCTION, REFINISH CABINETS AND TOP CLOSURE PANELS WITH NEW PLASTIC LAMINATE, REPLACE TALL CABINET DOORS WITH NEW MATCHING PLASTIC LAMINATE DOOR AND HARDWARE, SEE FINISH SCHEDULE AND CABINET DETAILS FOR MORE INFORMATION.
- 02.51 EXISTING TOILET PARTITIONS SHOWN WITH DASHED LINES TO BE REMOVED.
- 02.84 EXISTING SINK AND FOOT PEDAL OPERATOR FOR FAUCETS TO BE REMOVED, MIXING VALVE TO BE REMOVED, SEE PLUMBING DRAWINGS FOR NEW LOCATION OF THE SINK TO CONNECT PLUMBING LINES.
- 02.90 EXISTING CONCRETE VAULT WALLS, ROOF, FLOOR TO REMAIN, FIELD VERIFY EXACT LOCATION.
- 02.91 EXISTING FURRED WALL OVER CONCRETE VAULT, REMOVE GYPSUM BOARD AS REQUIRED IN THE TREATMENT ROOM FOR INSTALLATION OF CONDUIT, JUNCTION BOX, SWITCH ETC., AS INDICATED IN THE CONSTRUCTION DOCUMENTS.
- 02.93 DUST PARTITION (FROM FLOOR TO CEILING) WITH DOORS AS REQUIRED TO ACCESS CONSTRUCTION ZONE, LOCATE AND ALIGN PARTITION WITH CEILING GRID (AND/OR GYPSUM BOARD CEILING WHERE OCCURS) ABOVE AS MUCH AS POSSIBLE FOR A TIGHT SEAL, IF THERE IS A CONFLICT, WHERE PARTITION ABUTS CEILING, MOVE ITEMS MOUNTED ON CEILING SUCH AS EXIT SIGN, FIRE/SMOKE ALARM, LIGHT FIXTURE, DIFFUSER, RETURN AIR GRILLE, SENSOR, ETC., TEMPORARILY AWAY FROM THE LOCATION, PROVIDE ANTE ROOM AS INDICATED, MAINTAIN NEGATIVE PRESSURE IN THE CONSTRUCTION ZONE WITH REQUIRED PORTABLE VACUUM MACHINE (OR EXHAUST FANS), WITH HEPA FILTERS, TEMPORARY FLEXIBLE HOSE TYPE DUCTS CONNECTED TO RETURN AIR DUCT IN THE CONSTRUCTION ZONE, DUST PARTITION SHALL BE FIRE RATED POLY-CARBONATE, TRANSLUCENT, PLASTIC PANELS WITH METAL FRAMES ON ALL SIDES, INSTALL PARTITION PER MANUFACTURER'S RECOMMENDATIONS, PARTITION MANUFACTURER SHALL BE "EDGE-GUARD" OR EQUIVALENT, MOVE ACCESS DOOR TO THE CONSTRUCTION ZONE AS REQUIRED DURING THE CONSTRUCTION PHASE, SEE "ICRA" (INFECTION CONTROL, RISK ASSESSMENT) REQUIREMENTS ON SHEET G002 AND ICRA WORK PERMIT FORM IN THE PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.

GENERAL NOTES

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



Alternate #1:
Provide new top plastic laminate cabinets as part of existing Alternate #1. See detail A303C. Fabric verify to match size and type of cabinet.

**Intermountain Healthcare
Linear Accelerator Replacement at
LDS Hospital**

8th Avenue, C Street
Salt Lake City, 84143

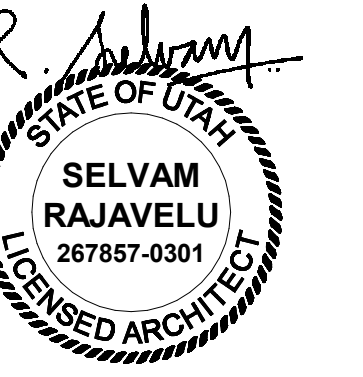
NJRA Project # 21226.00
Construction Documents Jan 31, 2022
2 Addendum #1 02/18/2022

Demolition
Floor Plan
Level 1

A111

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

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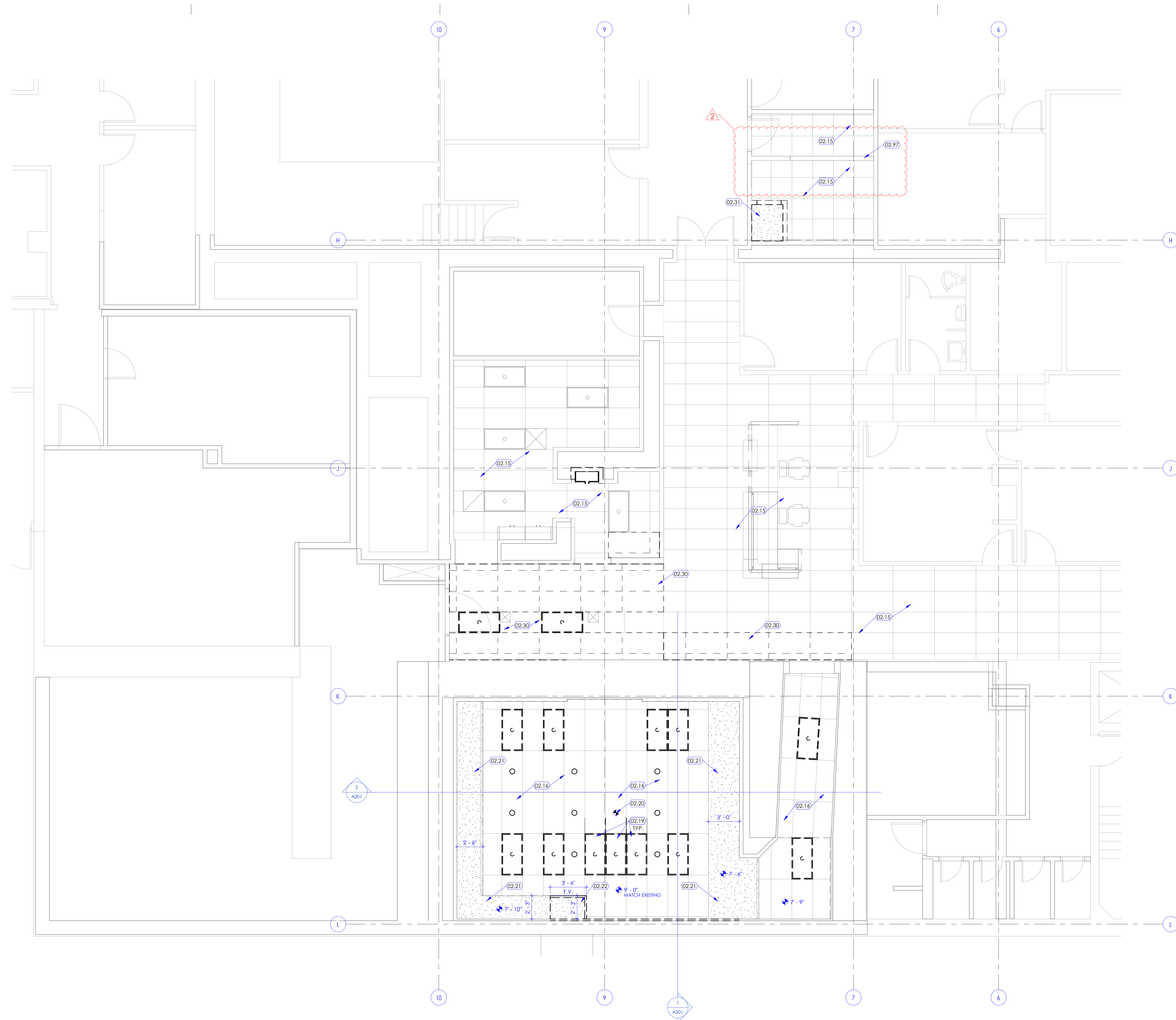


KEYED NOTES

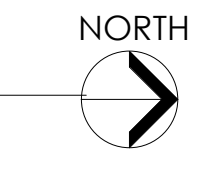
- 02.15 CEILING TILES, GRIDS, LIGHTS, DIFFUSERS ETC. EXISTING TO REMAIN. PROTECT PORTIONS THAT ARE REQUIRED TO COMPLETE ANY ABOVE CEILING WORK DESCRIBED IN THE ELECTRICAL, MECHANICAL DRAWINGS.
- 02.16 EXISTING CEILING GRID SYSTEM TO REMAIN IN THIS AREA. PROTECT DURING CONSTRUCTION. REMOVE EXISTING CEILING TILES, LIGHT FIXTURES ETC FROM CEILING. SEE NEW CEILING PLAN AND ELECTRICAL DRAWINGS FOR NEW CEILING TILES AND LIGHT FIXTURES REQUIRED IN THIS AREA.
- 02.19 EXISTING SKYVIEW LIGHT FIXTURES TO BE REMOVED AND RE-INSTALLED AFTER SHIFTING ABOUT HALF GRID AS SHOWN IN THE NEW CEILING PLAN. SEE ELECTRICAL DRAWINGS.
- 02.20 EQUIPMENT SOFCENTER LOCATION. SEE VARIAN EQUIPMENT DRAWINGS FOR MORE INFORMATION. EXISTING LASER UNIT LOCATED AT THE SOFCENTER ABOVE CEILING AT THIS LOCATION TO BE REPLACED WITH NEW. SEE VARIAN AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.
- 02.21 EXISTING GYPSUM SOFFIT TO REMAIN ALONG WITH THE MECHANICAL SIDE DIFFUSERS. PROTECT DURING CONSTRUCTION. PATCH, REPAIR AND PAINT AS REQUIRED AND PER FINISH SCHEDULE.
- 02.22 REMOVE PORTION OF GYPSUM BOARD SOFFIT HERE AFTER CABINETS ARE REMOVED. PATCH, REPAIR AND FINISH END OF REMAINING SOFFIT TO MATCH EXISTING. EXTEND CEILING GRID AND TILE TO COVER THE AREA AS SHOWN IN THE NEW CEILING PLAN.
- 02.30 CEILING TILES, GRIDS, LIGHTS, DIFFUSERS ETC. IN THIS AREA TO BE PARTIALLY REMOVED AND RE-INSTALLED AS REQUIRED TO COMPLETE ABOVE CEILING. MECHANICAL PLUMBING AND ELECTRICAL WORK DESCRIBED IN THE RESPECTIVE SECTIONS. CONTRACTOR SHALL REPLACE WITH NEW TO MATCH EXISTING IF DAMAGED DURING CONSTRUCTION.
- 02.31 REMOVE GYPSUM BOARD CEILING HERE ABOVE THE SHOWER AREA AFTER WALLS ARE REMOVED. EXTEND CEILING GRID AND TILE TO COVER THE AREA AS SHOWN IN THE NEW CEILING PLAN TO MATCH ADJACENT EXISTING.
- 02.97 EXISTING HEADER TO REMAIN. PROTECT DURING CONSTRUCTION.

GENERAL NOTES

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



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



Intermountain Healthcare
Linear Accelerator Replacement at
LDS Hospital

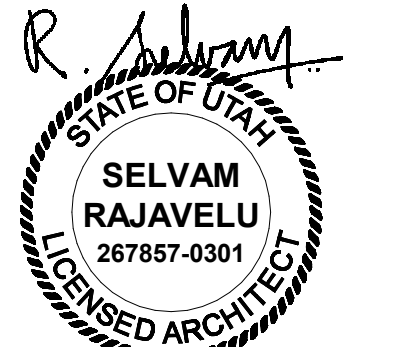
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Demolition
Ceiling Plan
Level 1

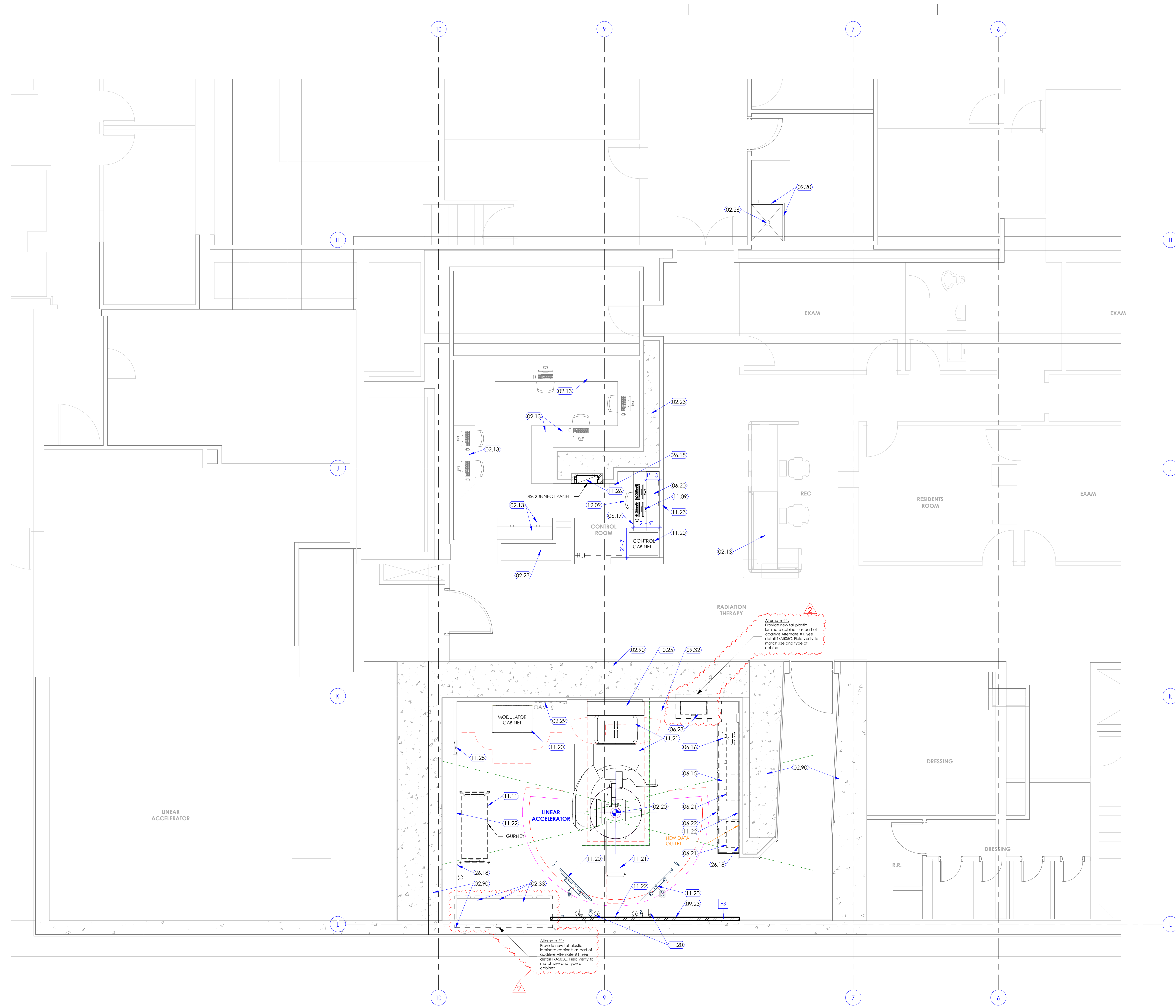
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- KEYED NOTES**
- 02.13 CABINET (AND COUNTERTOP WHERE OCCURS), EXISTING TO REMAIN. PROTECT CABINET AND COUNTERTOP FROM DAMAGE DURING CONSTRUCTION.
 - 02.20 EQUIPMENT ISOCENTER LOCATION. SEE VARIAN EQUIPMENT DRAWINGS FOR MORE INFORMATION. EXISTING LASER UNIT LOCATED AT THE ISOCENTER ABOVE CEILING AT THIS LOCATION TO BE REPLACED WITH NEW. SEE VARIAN AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.
 - 02.23 EXISTING CONCRETE WALL TO REMAIN.
 - 02.26 PROTECT EXISTING FLOOR DRAIN AND FLOOR TILE AROUND IT. SEE PLUMBING DRAWING FOR MORE INFORMATION.
 - 02.29 EXISTING MEDGAS AND OUTLETS TO REMAIN. PROTECT DURING CONSTRUCTION.
 - 02.33 EXISTING TALL CABINETS TO REMAIN. PROTECT DURING CONSTRUCTION. REFINISH CABINETS AND TOP CLOSURE PANELS WITH NEW PLASTIC LAMINATE. REPLACE TALL CABINET DOORS WITH NEW MATCHING PLASTIC LAMINATE DOOR AND HARDWARE. SEE FINISH SCHEDULE AND CABINET DETAILS FOR MORE INFORMATION.
 - 02.90 EXISTING CONCRETE VAULT WALLS, ROOF, FLOOR TO REMAIN. FIELD VERIFY EXACT LOCATION.
 - 06.15 SOLID SURFACE COUNTERTOP WITH INTEGRAL BACKSPASH AND PLASTIC LAMINATE BASE CABINET. COUNTERTOP DEPTH AND PROFILE SHALL MATCH EXISTING COUNTERTOP THAT IS BEING REPLACED. ATTACH COUNTERTOP TO WALL AND BASE CABINETS. SEE DETAIL 9/A505B AND INTERIOR ELEVATIONS FOR MORE INFORMATION.
 - 06.16 SINK FOR HANDWASHING. SINK SHALL BE SOLID SURFACE INTEGRAL SINK ATTACHED TO SOLID SURFACE COUNTERTOP. SINK BOWL INNER SIZE SHALL BE 14" X 14" DEEP. FAUCETS SHALL BE LEVER HANDLE TYPE FAUCETS FOR HOT AND COLD WATER. EXISTING MIXING VALVE AND FOOT PEDAL OPERATOR SHALL BE REMOVED. CONNECT FAUCETS AND DRAIN LINES TO EXISTING PLUMBING LINES. SEE PLUMBING DRAWINGS FOR MORE INFORMATION. BASIS OF DESIGN: STARON SOLID SURFACE SINK, A1118- BRIGHT WHITE.
 - 06.17 SOLID SURFACE COUNTERTOP WITH INTEGRAL BACKSPASH AND SIDESPLASH. ATTACH COUNTERTOP TO WALL AND STEEL SUPPORTS BELOW. PROVIDE STEEL SUPPORTS AS INDICATED ON DETAIL 5/A505B. REMOVE GYPSUM BOARD AS REQUIRED FOR INSTALLING STEEL SUPPORTS. STEEL SUPPORTS SHALL BE ATTACHED TO FLOOR AND ADJACENT EXISTING STEEL STUDS. PATCH OPENING WITH NEW MATCHING GYPSUM BOARD AFTER STEEL SUPPORT INSTALLATION. PAINT EXPOSED SIDE OF STEEL SUPPORTS. FINISH WALL AS PER FINISH SCHEDULE REQUIREMENTS.
 - 06.20 NEW SHELF. SHELF SHALL BE CONSTRUCTED WITH PLASTIC LAMINATE WRAPPED OVER 3/4" PLYWOOD. PROVIDE PVC EDGE BAND ON ALL EXPOSED SIDES. PROVIDE PAINTED METAL BRACKETS 2'-0" O.C. AS REQUIRED ATTACHED TO WALL AND SHELF TO SUPPORT THE SHELF. SEE INTERIOR ELEVATIONS.
 - 06.21 WALL CABINET, PLASTIC LAMINATE. SEE CABINET LEGEND & DETAILS ON SHEET 1/A505A, AND INTERIOR ELEVATIONS ON SHEET A251.
 - 06.22 BASE CABINET, PLASTIC LAMINATE. SEE CABINET LEGEND & DETAILS ON SHEET 1/A505A, AND INTERIOR ELEVATIONS ON SHEET A251.
 - 06.23 RELOCATED AND RE-FINISHED EXISTING TALL CABINET WITH NEW PLASTIC LAMINATE FOR STORAGE OF VARIAN EQUIPMENT CONES. REPLACE EXISTING CABINET DOOR WITH NEW PLASTIC LAMINATE CABINET DOOR TO MATCH NEW FINISHES. INSTALL AS PER CABINET DETAILS ON DETAIL SHEETS. SEE INTERIOR ELEVATIONS.
 - 09.20 NEW 2" THICK STONE THRESHOLD AROUND THE SHOWER DRAIN. PROTECT TILE AND DRAIN. SEE PLUMBING DRAWINGS FOR MORE INFORMATION.
 - 09.23 METAL STUD FRAMING WITH GYPSUM BOARD SHEATHING AT THE NEW FURRED WALL. SEE WALL TYPES ON SHEET A501A.
 - 09.32 RUN NEW SHEET VINYL FLOORING OVER A REMOVABLE METAL PLATE TO COVER THE EXISTING FLOOR OPENING HERE TO ACCESS PLUMBING CONNECTIONS. FIELD VERIFY EXISTING CONDITIONS.
 - 10.25 STAINLESS STEEL METAL PLATE. CUT TO SIZE TO COVER THE LEFT OVER FLOOR HOLE BEHIND THE NEW VARIAN EQUIPMENT IN THIS AREA. FIELD VERIFY EXACT SIZE BEFORE FABRICATION. COORDINATE WITH THE OWNER.
 - 11.09 COMPUTER. NOT IN CONTRACT. OWNER FURNISHED OWNER INSTALLED.
 - 11.11 EQUIPMENT. NOT IN CONTRACT. OWNER FURNISHED OWNER INSTALLED.
 - 11.20 EQUIPMENT PROVIDED BY VARIAN. SEE VARIAN EQUIPMENT INSTALLATION DRAWINGS FOR REQUIRED ASSOCIATED WORK AND EXACT LOCATION.
 - 11.21 NEW LINEAR ACCELERATOR EQUIPMENT PROVIDED BY VARIAN. SEE VARIAN EQUIPMENT INSTALLATION DRAWINGS FOR REQUIRED ASSOCIATED WORK.
 - 11.22 PATIENT POSITIONING LASER UNIT INSIDE EXISTING PAINTED CABINET WITH DOOR. SEE VARIAN DRAWINGS. VARIAN TO INSTALL NEW LASER UNIT INSIDE CABINET. PROTECT DURING CONSTRUCTION. PROVIDE NEW MATCHING PAINTED METAL CABINET AT THE FOOT END FOR LASER UNIT, WHERE THIS CABINET DOESN'T EXIST.
 - 11.23 CONTROL CONSOLE PULL BOX. INSTALLED UNDER THE COUNTERTOP AS PER REQUIREMENTS OF VARIAN. SEE VARIAN DRAWINGS FOR MORE INFORMATION. PATCH, REPAIR AND PAINT WALL AFTER INSTALLATION OF BOX TO MATCH ADJACENT.
 - 11.25 VARIAN RELAY JUNCTION BOX. SEE VARIAN AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.
 - 11.26 DISCONNECT PANEL PROVIDED BY VARIAN INSTALLED BY CONTRACTOR. SEE VARIAN EQUIPMENT INSTALLATION DRAWINGS AND ELECTRICAL DRAWINGS FOR REQUIRED ASSOCIATED WORK AND EXACT LOCATION.
 - 12.09 FURNITURE. NOT IN CONTRACT. OWNER FURNISHED OWNER INSTALLED.
 - 26.18 PROVIDE ACRYLIC BOX WITH A OPERABLE COVER TO PROTECT THE EMERGENCY SHUT OFF SWITCH FROM ACCIDENTAL ACTIVATION. COORDINATE EXACT LOCATION WITH ELECTRICAL AND VARIAN 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 A603A FOR FINISH SCHEDULE AND GENERAL NOTES.



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Linear Accelerator Replacement at
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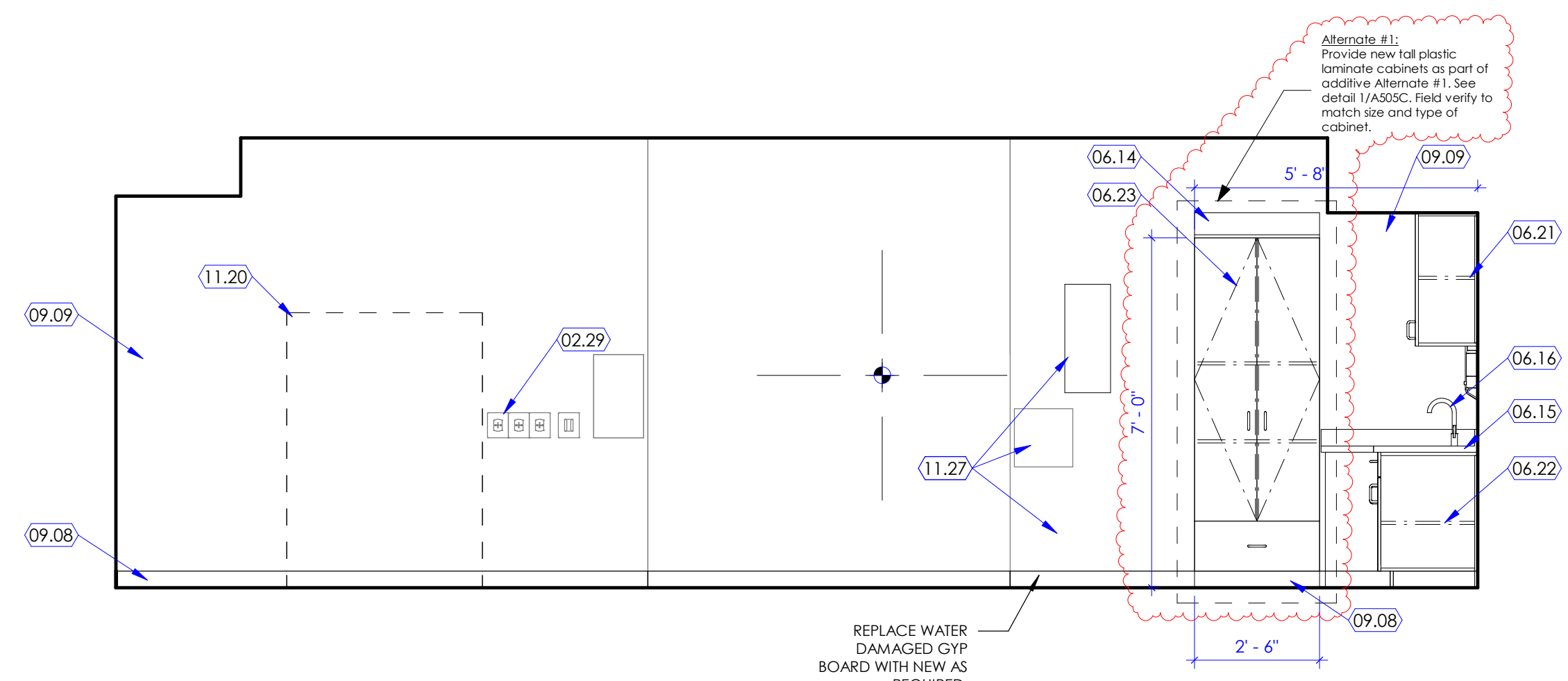
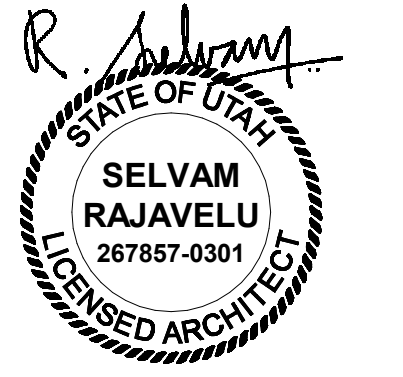
NJRA Project # 21226.00
 Construction Documents Jan 31, 2022
 2 Addendum #1 02/18/2022

Enlarged
 Floor Plan
 Level 1

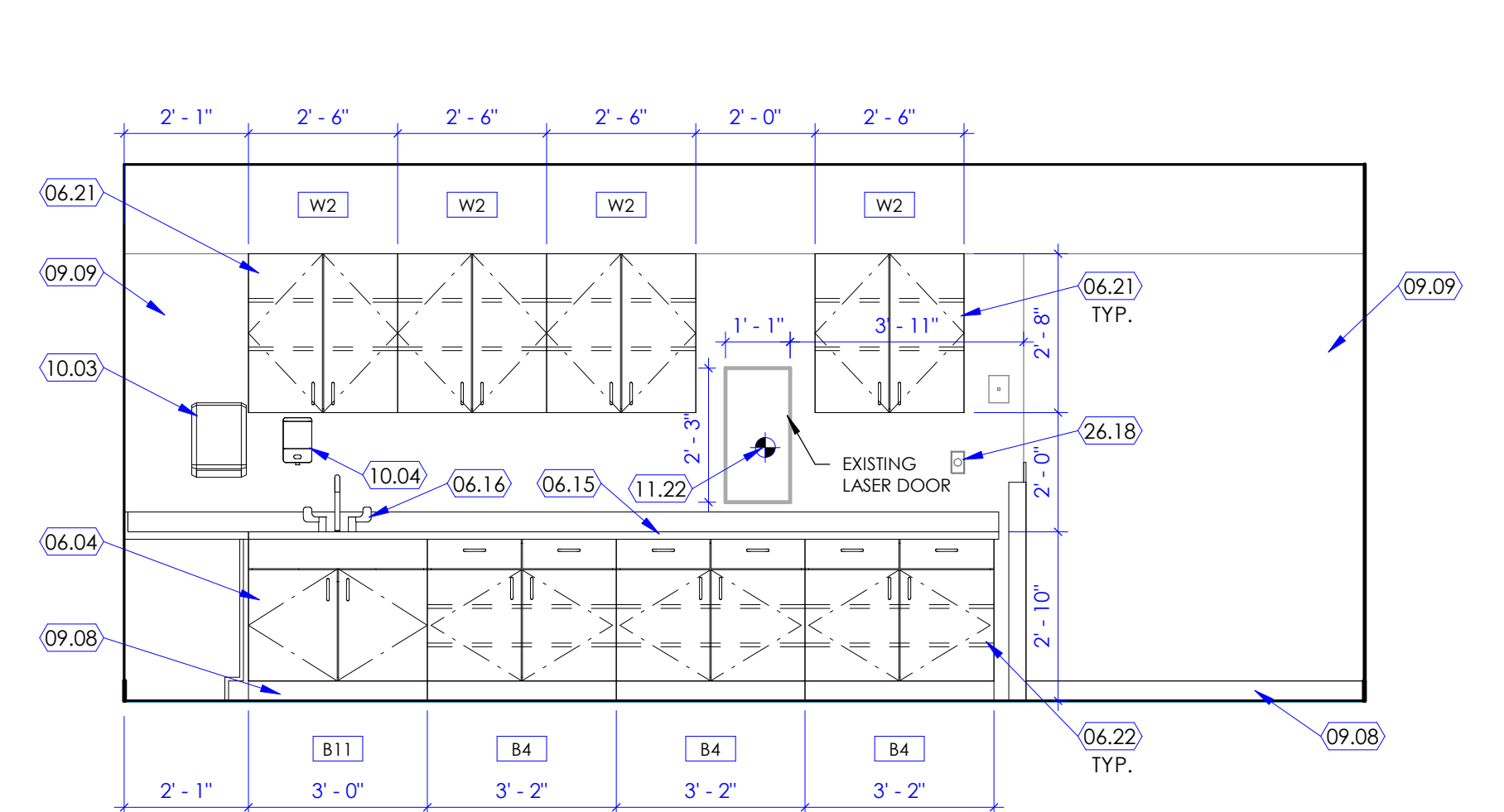
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1 Enlarged Floor Plan Level 1
 SCALE: 1/4" = 1'-0"

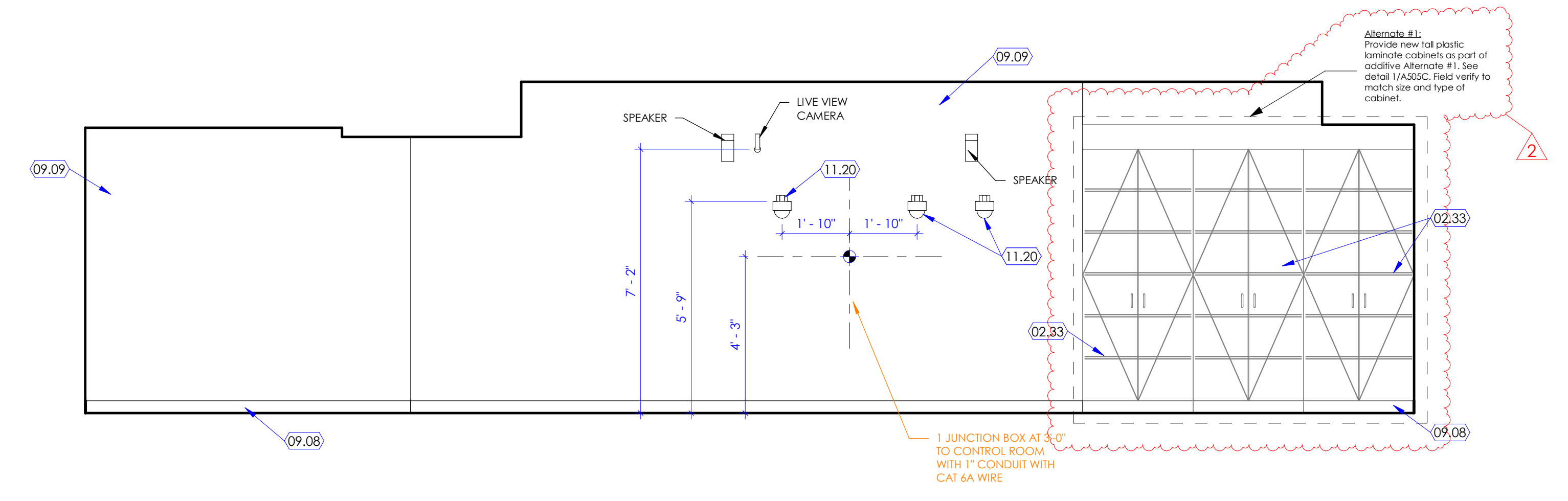
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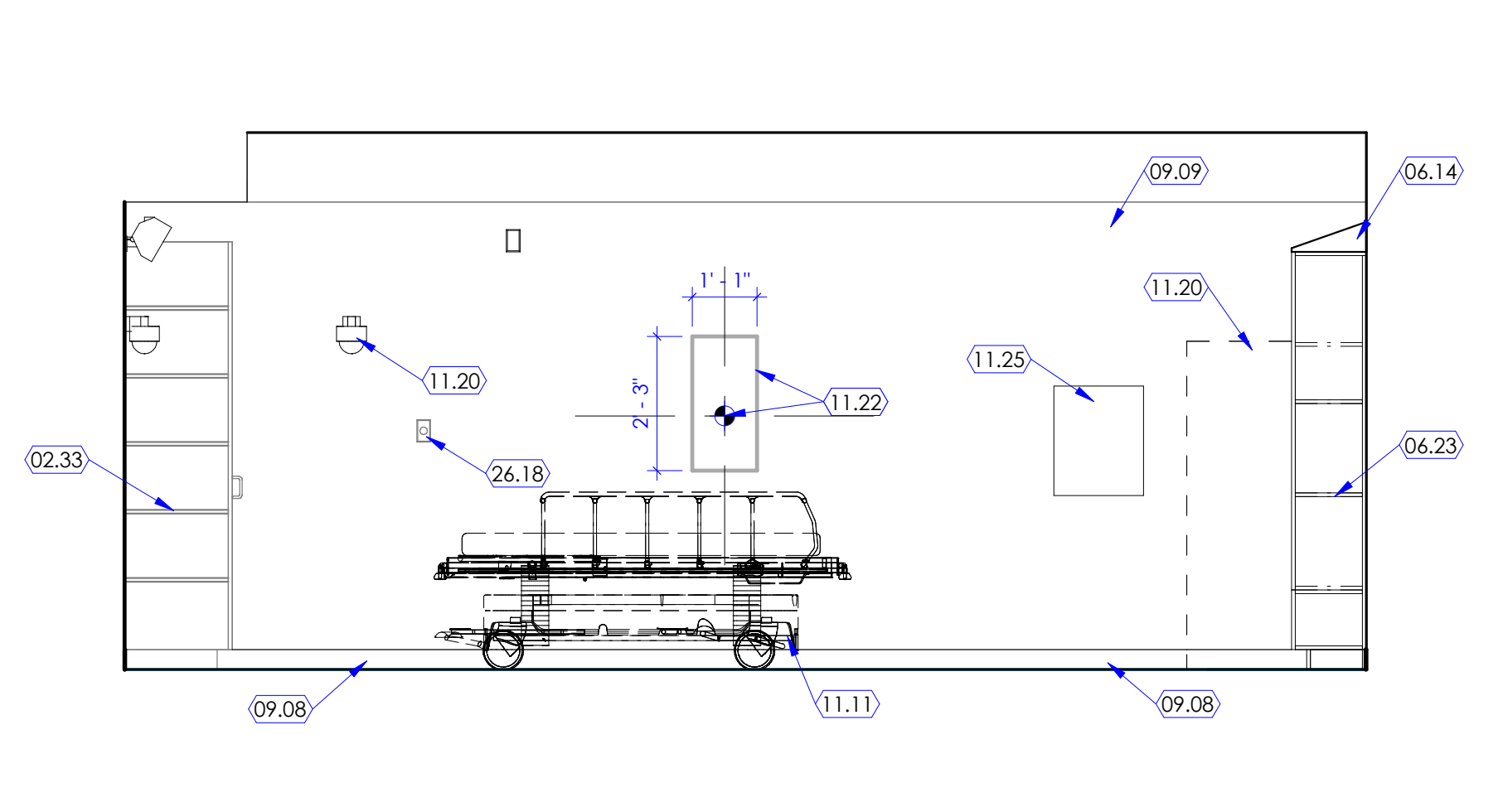
1 Linear Accelerator
SCALE: 3/8" = 1'-0"



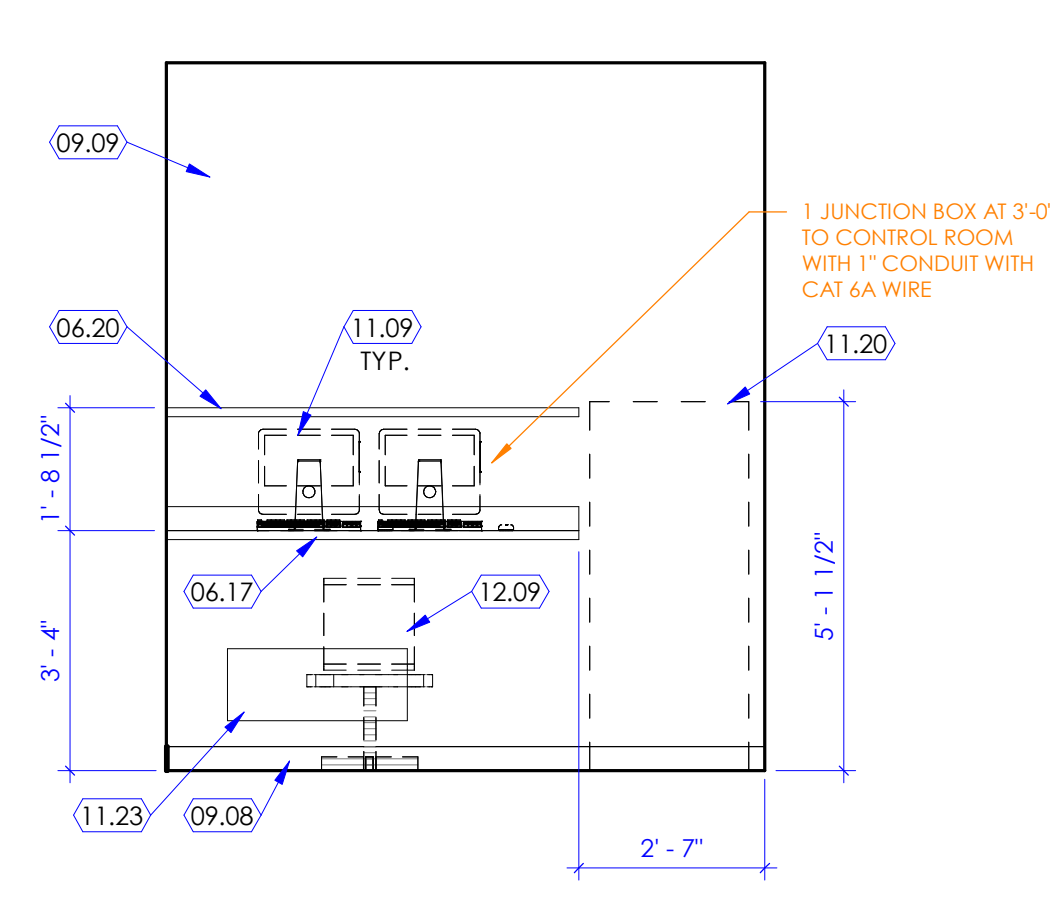
2 Linear Accelerator
SCALE: 3/8" = 1'-0"



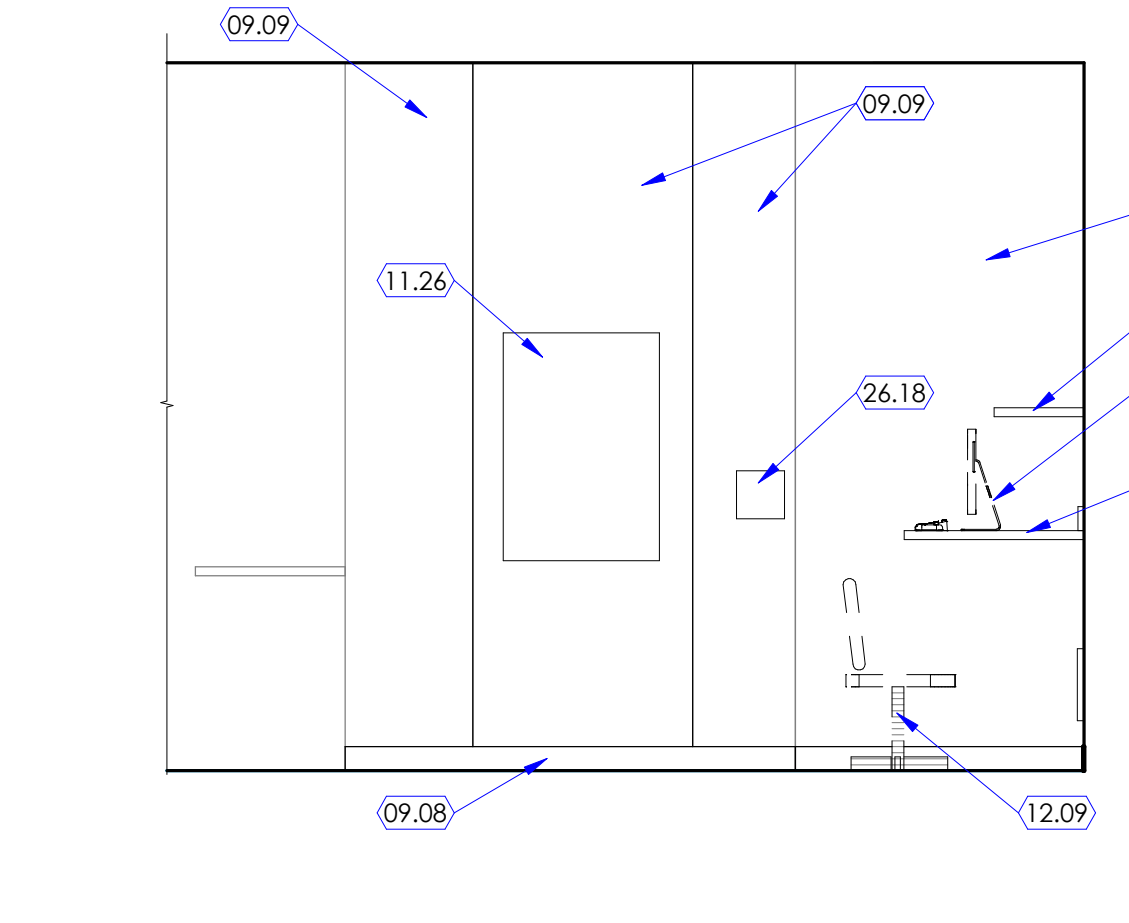
4 Linear Accelerator
SCALE: 3/8" = 1'-0"



5 Linear Accelerator
SCALE: 3/8" = 1'-0"



3 Control Room
SCALE: 3/8" = 1'-0"



6 Control Room
SCALE: 3/8" = 1'-0"

KEYED NOTES

- 02.29 EXISTING MEDGAS AND OUTLETS TO REMAIN. PROTECT DURING CONSTRUCTION.
- 02.33 EXISTING TALL CABINETS TO REMAIN. PROTECT DURING CONSTRUCTION. REFINISH CABINETS AND TOP CLOSURE PANELS WITH NEW PLASTIC LAMINATE. REPLACE TALL CABINET DOORS WITH NEW MATCHING PLASTIC LAMINATE DOOR AND HARDWARE. SEE FINISH SCHEDULE AND CABINET DETAILS FOR MORE INFORMATION.
- 06.04 LOCK. PROVIDE KEYPAD LOCK FOR THIS CABINET DOOR (OR DRAWER WHERE OCCURS). PROVIDE REQUIRED HARDWARE FOR THE LOCK SYSTEM.
- 06.14 PROVIDE MATCHING NEW SLOPED PLASTIC LAMINATE TOP OVER TALL CABINET. SEE DETAILS 1/A505B & 2/A505B.
- 06.15 SOLID SURFACE COUNTERTOP WITH INTEGRAL BACKSPLASH AND PLASTIC LAMINATE BASE CABINET. COUNTERTOP DEPTH AND PROFILE SHALL MATCH EXISTING COUNTERTOP THAT IS BEING REPLACED. ATTACH COUNTERTOP TO WALL AND BASE CABINETS. SEE DETAIL 9/A505B AND INTERIOR ELEVATIONS FOR MORE INFORMATION.
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- 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.
- 09.09 WALL FINISH. SEE FINISH FLOOR PLANS FOR WALL FINISH INDICATED WITH A WALL FINISH TAG (AS W1, W2, W3, ETC.). SEE FINISH SCHEDULE ON SHEET A603A FOR MATERIAL, SIZE, COLOR, ETC. FOR EACH WALL FINISH TAG.
- 10.03 PAPER TOWEL DISPENSER. OWNER FURNISHED. CONTRACTOR INSTALLED. CONTRACTOR SHALL PROVIDE BACKING IN WALL AS REQUIRED. SEE RELEVANT DETAILS 1/G003 AND 1/G004 FOR MOUNTING HEIGHT, LOCATION, ETC.
- 10.04 SOAP DISPENSER. OWNER FURNISHED. CONTRACTOR INSTALLED. CONTRACTOR SHALL PROVIDE BACKING FOR ALL OWNER FURNISHED ITEMS. SEE RELEVANT DETAILS 1/G003 AND 1/G004 FOR MOUNTING HEIGHT, LOCATION, ETC.
- 11.09 COMPUTER. NOT IN CONTRACT. OWNER FURNISHED OWNER INSTALLED.
- 11.11 EQUIPMENT. NOT IN CONTRACT. OWNER FURNISHED OWNER INSTALLED.
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- 11.27 EXISTING WALL BOX, EQUIPMENT ETC ON THE WALL HERE TO BE REMOVED. SEE VARIAN AND PLUMBING DRAWINGS FOR WORK REQUIRED. PATCH, REPAIR, REPLACE, REPAINT WATER DAMAGED GYPSUM BOARD IN THIS AREA.
- 12.09 FURNITURE. NOT IN CONTRACT. OWNER FURNISHED OWNER INSTALLED.
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GENERAL NOTES

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- B. SEE SHEET A505A FOR CABINET LEGEND.
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Interior Elevations

A251