



Scott Kirchner, *Architect*

Addendum No. 01
To Contract Documents for Construction

DATE 10/6/2025
Infrastructure Upgrades and Inpatient
PROJECT Remodel
CLIENT Lawrence County Hospital
BWBR COMM. # P.2400141.01

PREPARED BY

BWBR, P.C.
380 St. Peter Street, Suite 600
Saint Paul, MN 55102

I hereby certify that this Addendum was prepared by me or under my direct supervision, and that I am a duly licensed Architect under the laws of the State of Mississippi.

Scott C. Kirchner, AIA

Registration No. 5395

To: Bidders of Record

This Addendum modifies the Bidding Documents for the project identified above. Acknowledge receipt of this Addendum by recording number and date of issue on the Bid Form. Failure to do so may result in disqualification of the Bid.

Project Manual							
00-0110	00-1113	07-2100	07-2700				

Drawing Sheets							
1.100	2.401.RC	2.510	2.520	2.602	2.603	2.610	2.611
2.612	2.630						

Specifications

1. **Document 00-0110 - Table of Contents** (Reissued)
 - A. Add AD-01 to Issuances.
 - B. Document revised and reissued in its entirety.
2. **Document 00-1113 - Advertisement for Bids** (Reissued)
 - A. Document revised and reissued in its entirety.
3. **Section 07-2100 - Thermal Insulation** (Reissued)
 - A. Section revised and reissued in its entirety.
4. **Section 07-2700 - Air Barriers** (Reissued)
 - A. Section revised and reissued in its entirety.

Drawings

1. **Sheet 1.100 – CONSTRUCTION DOCUMENTS TITLE SHEET** (Reissued)
 - A. Revised sheet names as shown.
 - B. Added sheet 2.932 as shown.

2. **Sheet 2.401.RC – REFLECTED CEILING PLAN (Reissued)**
 - A. Revise sheet name to exclude Finish Schedule.
 - B. Revise section 6E in Nurse Report Room to 1E.
3. **Sheet 2.510 – EXTERIOR ELEVATIONS, WALL SECTIONS AND EXTERIOR WALL TYPES (Reissued)**
 - A. Add Keynotes EE27, EE28, EE29 to Keynote legend.
 - B. Modify keynotes and exterior lighting quantity on 1D.
 - C. Modify fall protection keynote on 3D.
 - D. Add detail “PLAN – EXTERIOR PAINT LOCATIONS”.
4. **Sheet 2.520 – OPENING SCHEDULE, DOOR PANEL AND FRAME TYPES, STOREFRONT TYPES (Reissued)**
 - A. Modify door type and height of doors 005A & 016A.
 - B. Change Hardware Set on doors 006, 011, 012, 014, 016A.
 - C. Remove “Privacy Function” from the comments section.
5. **Sheet 2.602 – ¼” PLANS, INTERIOR ELEVATIONS – STAFF BREAK, PATIENT ROOMS AND TOILETS (Reissued)**
 - A. Revise sheet name to include Staff Break.
 - B. Modify 3C – Interior Elevation – Staff Break – North.
 - C. Revise the base cabinet on 6H to a plam flat panel.
 - D. Revise the detail reference on 7H to 4B/2.630 for a Flat Panel Plam base cabinet.
 - E. Revise the coat hook locations on 3C.
 - F. Add a filler panel to the lockers on 3C.
 - G. Mirror recycling base cabinet on 4C.
6. **Sheet 2.603 – ¼” PLANS, INTERIOR ELEVATIONS –PATIENT ROOMS AND TOILETS (Reissued)**
 - A. Modify door type on details 4A.
 - B. Modify door type on detail 2C.
 - C. Modify door type on detail 2D.
 - D. Modify door type on detail 2E.
 - E. Relocate night light on detail 2E.
 - F. Change Toilet Room XN3 wall type.
7. **Sheet 2.610 – ¼” PLAN, RCP, ROOF PLAN, AND FINISH PLAN, OPENING SCHEDULE (Reissued)**
 - A. Revise section on 1H from 5E to 3E/2.630.
 - B. Revise ceiling height of soffit at detail 3E.
 - C. Add Hardware Group to door 120A.

8. Sheet 2.611 – ADD ALTERNATE – INTERIOR AND EXTERIOR ELEVATIONS, WALL TYPES (Reissued)

- A. Add downspout to Add Alternate on 3H.
- B. Modify fall protection keynote on 3H.
- C. Modify keynotes on 4H.
- D. Modify 4H to show the entire extents of ramp.
- E. Add downspout to Add Alternate on 6H.
- F. Modify fall protection keynote on 6H.

9. Sheet 2.612 – ADD ALTERNATE – EXTERIOR SECTIONS AND DETAILS (Reissued)

- A. Revise sheet name to include Wall Sections.
- B. Add detail references on sections 3H & 5H.
- C. Revise section 3H to show CMU in lieu of a concrete brick ledge.
- D. Revise section 3H to add dimension for the door.
- E. Revise dimensions on section 6H.
- F. Revise detail 3E to show CMU in lieu of a concrete brick ledge.
- G. Revise note on detail 4E.

10. Sheet 2.630 – INTERIOR DETAILS (Reissued)

- A. Add detail 1E to set.
- B. Add detail 3E to set.

Supplemental Information

1. 2025-09-22 Pre-Bid Meeting Notes (New Issue)

- A. Add pre-bid meeting agenda with notes.
- B. Add meeting participant sheet.

END ADDENDUM NO. 01



Scott Kirchner, *Architect*

Addendum No. 01
To Contract Documents for Construction
Specialized Engineering Solutions

DATE 10/6/2025
 Infrastructure Upgrades and Inpatient
 PROJECT Remodel
 CLIENT Lawrence County Hospital
 BWBR COMM. # P.2400141.01

PREPARED BY
 Specialized Engineering Solutions
 10360 Ellison Circle
 Omaha, Nebraska 68134

To: Bidders of Record

This Addendum modifies the Bidding Documents for the project identified above. Acknowledge receipt of this Addendum by recording number and date of issue on the Bid Form. Failure to do so may result in disqualification of the Bid.

Drawing Sheets							
2.831	2.901.DE	2.901.L	2.931	2.932	2.970		

Drawings

1. **Sheet 2.831 – Mechanical Enlarged Plan – Add Alternate (Reissued)**
 - A. Revised diffuser and grilles locations. Revised ductwork to accommodate new diffuser and grille locations.
 - B. Revised VAV-16-08 and VAV-16-09 locations to accommodate ductwork shifts.
2. **Sheet 2.901.DE – FIRST LEVEL – ELECTRICAL DEMOLITION PLAN (Reissued)**
 - A. Revised note 4 for existing Nurse Call Coverage to provide coverage during construction.
3. **Sheet 2.901.L – FIRST LEVEL – LIGHTING PLAN (Reissued)**
 - A. Provide strip light within IT closet.
4. **Sheet 2.931 – ELECTRICAL ENLARGED PLANS – ADD ALTERNATE (Reissued)**
 - A. Include exterior lighting for the north entry/sidewalk that is included on the base bid and would also be required should add alternate 1 be accepted.
5. **Sheet 2.932 – ELECTRICAL ENLARGED PLANS – ADD ALTERNATE (New Issue)**
 - A. Include exterior lighting for the north entry/sidewalk that is included on the base bid and would also be required should add alternate 1 be accepted.
6. **Sheet 2.970 – ELECTRICAL SCHEDULES (Reissued)**
 - A. Revise lighting fixture schedule to include K1 fixture specification.

END ADDENDUM NO. 01

		CD Issue 17 September 2025		
DIVISION 00 - PROCUREMENT & CONTRACTING REQUIREMENTS				
00-0100	Cover Page	■		
00-0101	Title Page	■		
00-0110	Table of Contents [AD-01]	■		
00-1113	Advertisement for Bids [AD-01]	■		
00-2113	AIA A701 Instructions to Bidders	■		
00-2113.01	Exhibit A - Sheet List	■		
00-2113.02	Exhibit B - Table of Contents	■		
00-2114	AIA G716 Request for Information	■		
00-2115	AIA A305 Contractor's Qualification Statement	■		
00-2116	Exhibit A - General Information	■		
00-2117	Exhibit B - Financial and Performance Information	■		
00-2118	Exhibit C - Project Specific Information	■		
00-2119	Exhibit D - Past Project Experience	■		
00-2120	Exhibit E - Past Project Experience, Continued	■		
00-3100	Available Project Information	■		
00-3110	Asbestos Survey & Lead-Containing Paint Sampling Report	■		
00-4100	Bid Form	■		
00-4120	Itemized Bid Breakdown Form	■		
00-4200	AIA A310 Bid Bond	■		
00-4325	Substitution Request Form - During Procurement	■		
00-5200	Agreement Form	■		
00-5201	AIA A101 Standard Form of Agreement Between Owner and Contractor	■		
00-6325	Substitution Request Form - During Construction	■		
00-7200	General Conditions	■		
00-7201	AIA A201 General Conditions of the Contract	■		
00-7300	Supplementary Conditions AIA A201	■		
00-7300.01	AIA A312 Performance Bond	■		
00-7300.02	AIA A312 Payment Bond	■		
00-7375	Electronic Files for Bidding and Construction	■		
DIVISION 01 - GENERAL REQUIREMENTS				
01-1100	Summary of Work	■		
01-2000	Price and Payment Procedures	■		
01-2300	Alternates	■		
01-2500	Substitution Procedures	■		
01-3115	Project Coordination Documentation	■		

- Section issued; replaces previously issued versions
R Section reissued without changes

		CD Issue 17 September 2025		
01-3119	Project Meetings	■		
01-3300	Submittal Procedures	■		
01-3533	Infection Control Procedures	■		
01-3534	Work Area Enclosures	■		
01-4023	Definitions and Quality Requirements	■		
01-4500	Quality Control	■		
01-4501	Special Inspection and Testing Schedule	■		
01-5000	Temporary Facilities and Controls	■		
01-6100	Product Requirements	■		
01-6116	Volatile Organic Compound (VOC) Content Restrictions	■		
01-7300	Execution	■		
01-7329	Cutting and Patching	■		
01-7419	Construction Waste Management and Disposal	■		
01-7500	Starting and Adjusting	■		
01-7700	Closeout Procedures	■		
DIVISION 02 - EXISTING CONDITIONS				
02-4100	Demolition	■		
DIVISION 03 - CONCRETE				
03-3000	Cast-In-Place Concrete	■		
03-3511	Concrete Floor Finishes	■		
DIVISION 04 - MASONRY				
04-2000	Unit Masonry	■		
DIVISION 05 - METALS				
05-1200	Structural Steel Framing	■		
05-2100	Steel Joist Framing	■		
05-3100	Steel Decking	■		
05-4000	Cold-Formed Metal Framing	■		
05-4300	Slotted Channel Framing	■		
05-5000	Metal Fabrications	■		
05-7500	Decorative Formed Metal	■		

■	Section issued; replaces previously issued versions
R	Section reissued without changes

		CD Issue 17 September 2025		
DIVISION 06 - WOODS, PLASTICS, AND COMPOSITES				
06-1000	Rough Carpentry	■		
06-1600	Sheathing	■		
06-4000	Architectural Woodwork	■		
DIVISION 07 - THERMAL & MOISTURE PROTECTION				
07-0150.19	Preparation for Re-Roofing	■		
07-0510	Roofing Installer's Warranty	■		
07-2100	Thermal Insulation [AD-01]	■		
07-2119	Foamed-In-Place Insulation	■		
07-2400	Exterior Insulation and Finish System	■		
07-2423	Direct-Applied Exterior Finish System	■		
07-2700	Air Barriers [AD-01]	■		
07-5400	Thermoplastic Membrane Roofing	■		
07-6200	Sheet Metal Flashing and Trim	■		
07-8100	Applied Fire Protection	■		
07-8400	Firestopping	■		
07-9200	Joint Sealants	■		
DIVISION 08 - OPENINGS				
08-1113	Hollow Metal Doors and Frames	■		
08-1416	Flush Wood Doors	■		
08-3100	Access Doors and Panels	■		
08-4313	Aluminum-Framed Storefronts	■		
08-7100	Door Hardware	■		
08-7110	Door Hardware Sets	■		
08-7113	Power Door Operators	■		
08-8000	Glazing	■		
DIVISION 09 - FINISHES				
09-0561	Common Work Results for Flooring Preparation	■		
09-2116	Gypsum Board Assemblies	■		
09-3000	Tiling	■		
09-5100	Suspended Acoustical Ceilings	■		
09-6500	Resilient Flooring	■		
09-6700	Fluid-Applied Flooring	■		

■	Section issued; replaces previously issued versions
R	Section reissued without changes

		CD Issue 17 September 2025		
09-7200	Wall Covering	■		
09-7216	Hygienic Wall Covering	■		
09-9100	Painting	■		
09-9106	Painting Schedules	■		
DIVISION 10 - SPECIALTIES				
10-2600	Wall and Door Protection	■		
10-2800	Toilet and Bath Accessories	■		
10-4400	Fire Protection Specialties	■		
10-5123	Plastic-Laminate-Clad Lockers	■		
DIVISION 11 - EQUIPMENT				
	<i>Not Used</i>	-		
DIVISION 12 - FURNISHINGS				
12-2400	Window Shades	■		
12-3600	Countertops	■		
DIVISIONS 13 - 14				
	<i>Not Used</i>	-		
DIVISION 21 - FIRE SUPPRESSION				
21-0000	General Fire Suppression Requirements	■		
21-0500	Common Work Results for Fire Suppression	■		
21-0523	General Duty Valves for Fire Suppression	■		
21-0553	Fire-Suppression Identification	■		
21-1313	Wet-Pipe Sprinkler System	■		
DIVISION 22 - PLUMBING				
22-0000	General Mechanical Requirements	■		
22-0500	Common Work Results for Mechanical	■		
22-0513	Common Motor Requirements for Mechanical	■		
22-0516	Expansion Fittings and Loops for Mechanical	■		

■	Section issued; replaces previously issued versions
R	Section reissued without changes

		CD Issue 17 September 2025		
22-0519	Meters and Gauges for Mechanical	■		
22-0523	General-Duty Valves for Mechanical	■		
22-0529	Hangers and Supports for Mechanical	■		
22-0548	Vibration and Seismic Controls for Mechanical	■		
22-0533	Mechanical Identification	■		
22-0700	Mechanical Insulation	■		
22-1116	Domestic Water Piping	■		
22-1119	Domestic Water Piping Specialties	■		
22-1316	Sanitary Waste and Vent Piping	■		
22-1319	Sanitary Waste Piping Specialties	■		
22-2923	Variable Frequency Controllers	■		
22-3000	Plumbing Equipment	■		
22-4000	Plumbing Fixtures	■		
22-6113	Compressed-Air, Gas, and Vacuum Piping for Laboratory and Healthcare Facilities	■		
DIVISION 23 - HEATING, VENTILATING AND AIR CONDITIONING				
23-0000	General HVAC Requirements	■		
23-0500	Common Work Results for HVAC	■		
23-0513	Common Motor Requirements for HVAC	■		
23-0516	Expansion Fittings and Loops for HVAC	■		
23-0519	Meters and Gauges for HVAC	■		
23-0523	General-Duty Valves for HVAC	■		
23-0529	Hangers and Supports for HVAC	■		
23-0548	Vibration and Seismic Controls for HVAC	■		
23-0533	HVAC Identification	■		
23-0593	Testing, Adjusting and Balancing for HVAC	■		
23-0700	HVAC Insulation	■		
23-0800	Commissioning of HVAC	■		
23-0900	Direct Digital Control (DDC) Systems for HVAC	■		
23-1123	Facility Natural-Gas Piping	■		
23-2113	Hydronic Piping	■		
23-2123	Hydronic Pumps	■		
23-2500	HVAC Water Treatment for Glycol Systems	■		
23-2923	Variable Frequency Controllers for HVAC	■		
23-3113	Metal Ducts	■		
23-3300	Duct Accessories	■		
23-3443	Fans	■		
23-3600	Air Terminal Units	■		

- Section issued; replaces previously issued versions
R Section reissued without changes

		CD Issue 17 September 2025		
23-3713	Diffusers, Registers and Grilles	■		
23-3723	HVAC Louvers and Gravity Ventilators	■		
23-5216	Condensing Boilers	■		
23-6423	Scroll Water Chillers	■		
23-7313	Modular Central Station Air-Handling Units	■		
DIVISION 25 - INTEGRATED AUTOMATION				
	<i>Not Used</i>	-		
DIVISION 26 - ELECTRICAL				
26-0000	General Electrical Requirements	■		
26-0500	Common Work Results for Electrical	■		
26-0505	Selective Demolition for Electrical	■		
26-0519	Conductors and Cables for Electrical	■		
26-0526	Grounding and Bonding for Electrical	■		
26-0529	Hangers and Supports for Electrical	■		
26-0533	Raceways and Boxes for Electrical	■		
26-0548	Vibration and Seismic Controls for Electrical	■		
26-0553	Electrical Identification	■		
26-0573	Power System Studies	■		
26-0943	Addressable Network Lighting Controls	■		
26-2200	Low-Voltage Transformers	■		
26-2413	Switchboards	■		
26-2416	Panelboards	■		
26-2713	Electricity Metering	■		
26-2726	Wiring Devices	■		
26-2816	Enclosed Switches and Circuit Breakers	■		
26-2913	Enclosed Controllers	■		
26-3213	Engine Generators	■		
26-3600	Transfer Switches	■		
26-4313	Surge Protective Devices for Low Voltage Electrical Power Circuits	■		
26-5119	LED Interior Lighting	■		
26-5619	LED Exterior Lighting	■		
DIVISION 27 - COMMUNICATIONS				
27-0000	General Communication Requirements	■		
27-0500	Common Work Results for Communications	■		

■	Section issued; replaces previously issued versions
R	Section reissued without changes

		CD Issue 17 September 2025		
27-0519	Conductors and Cables for Communications	■		
27-0526	Grounding and Bonding for Communications	■		
27-0529	Hangers and Supports for Communications	■		
27-0533	Raceways and Boxes for Communications	■		
27-0548	Vibration and Seismic Controls for Communications	■		
27-0553	Communications Identification	■		
27-1200	Voice and Data Communications Cabling	■		
27-5223	Nurse Call - Code Blue Systems	■		
DIVISION 28 - ELECTRONIC SAFETY AND SECURITY				
28-0000	General Electronic Safety and Security Requirements	■		
28-0500	Common Work Results for Electronic Safety and Security	■		
28-0519	Conductors and Cables for Electronic Safety and Security	■		
28-0526	Grounding and Bonding for Electronic Safety and Security	■		
28-0529	Hangers and Supports for Electronic Safety and Security	■		
28-0533	Raceways and Boxes for Electronic Safety and Security	■		
28-0548	Vibration and Seismic Controls for Electronic Safety and Security	■		
28-0553	Electronic Safety and Security Identification	■		
28-4621	Digital, Addressable, Fire-Alarm System	■		
DIVISIONS 29 - 30				
	<i>Not Used</i>	-		
DIVISION 31 - EARTHWORK				
31-2050	Site Demolition and Abandonments	■		
31-2100	Building Earthwork	■		
31-2300	Excavation and Backfill	■		
31-2310	Excavation, Backfilling and Compacting Pavement	■		
31-2400	Slope Protection and Erosion Control	■		
DIVISION 32 - EXTERIOR IMPROVEMENTS				
32-1410	Concrete	■		
32-1420	Concrete Curb and Sidewalks	■		
32-1540	Crushed Stone and Gravel	■		

■	Section issued; replaces previously issued versions
R	Section reissued without changes

		CD Issue 17 September 2025		
DIVISION 33 - UTILITIES				
33-1200	Water Distribution Systems	■		

END OF DOCUMENT

■	Section issued; replaces previously issued versions
R	Section reissued without changes

SECTION 00-1113 - ADVERTISEMENT FOR BIDS

FROM:

1.01 THE OWNER (HEREINAFTER REFERRED TO AS OWNER):

- A. Owner: Lawrence County Hospital
- B. Address:
 - 1065 East Broad Street
 - Monticello, Mississippi 39654

1.02 AND THE ARCHITECT (HEREINAFTER REFERRED TO AS ARCHITECT):

- A. Architect: BWBR, P.C.
- B. Address:
 - 380 St. Peter Street, Suite 600
 - Saint Paul, MN 55102

1.03 DATE: _____

1.04 TO: POTENTIAL BIDDERS

- A. Your firm is invited to submit an offer to Owner for Scope 1 - infrastructure upgrades to the existing plant and electrical service and Scope 2 - remodel of an existing inpatient wing to create fourteen (14) patient rooms and associated staff support spaces at Lawrence County Hospital, located at 1065 East Broad Street, Monticello, Mississippi. There will be an alternate for two (2) additional patient rooms in Scope 2. Bids shall be submitted via email before ~~1:00~~2:30 pm local time on the 15th day of October, 2025 and immediately read aloud publicly. No bid shall be accepted or considered after such scheduled time.
 - 1. Submit bids to the following:
 - a. Robert Weathersby - robert.weathersby@smrmc.com
 - b. Phillip Langston - phillip.langston@smrmc.com
 - c. Michael Roberts - michael.roberts@smrmc.com
 - d. Scott Kirchner - skirchner@bwbr.com
 - e. Anna Pratt - apratt@bwbr.com
 - f. Sarah Finkhouse - sfinkhouse@bwbr.com
 - 2. At stated time, electronic bids shall be publicly read aloud via Zoom meeting. To receive an invitation to the Zoom meeting, provide bidder's contact information and email address to Anna Pratt - apratt@bwbr.com.
- B. A pre-bid conference is scheduled for 1:00 pm local standard time on the 22nd day of September, 2025 at 1065 East Broad Street, Monticello, Mississippi. Bidders shall meet in the Classroom at Lawrence County Hospital, 1065 East Broad Street, Monticello, Mississippi.
- C. Project: Lawrence County Hospital - Infrastructure Upgrades and Inpatient Remodel
- D. Architect's Project Number: P.2400141.00.
- E. General Contract bidders, upon request, are required to submit Contractor's Qualification Statement.
 - 1. Utilize AIA A305.
 - 2. Provide documentation to indicate a minimum of 7 years experience in healthcare related construction.
- F. Plans and specifications can be viewed and purchased online at Jackson Blueprint Online Plan Room at <http://planroom.jaxblue.com>. For any questions related to purchasing and downloading, please contact Jackson Blue Print 800-253-5803.
- G. Bidders will be required to provide Bid security in the form of a Bid Bond of a sum no less than 5 percent of the Bid Amount.
- H. Refer to other bidding requirements described in Document 00-2113 - Instructions to Bidders.
- I. Submit your offer on the Bid Form provided. Bidders may supplement this form as appropriate.
- J. Bids are to be received in full compliance with Mississippi Code 1972, Section 31-3-1 et seq and Section 31-7-13. Awards based on conditions stated in Instructions to Bidders, Specifications, and indicated on Drawings.

- K. Bidders must hold a Certificate of Responsibility to comply with Sections 31-3-1 through 31-3- 23 Mississippi Code of 1972 and amendments thereto and be licensed by the Mississippi Department of Revenue. As per Section 31-3-21, all bids submitted for public projects where said bid is in excess of \$50,000 shall contain the "contractor's current certificate of responsibility number". No bid shall be opened and read aloud unless such certificate number is provided within the electronic submission or unless a statement is provided to the effect that bid enclosed therewith did not exceed \$50,000. The Certificate of Responsibility Number or Statement as thus noted; the Project Number and Name (Project # P.2400141.00 - Lawrence County Hospital - Infrastructure Upgrades and Inpatient Remodel) and the bidder's name and address must be clearly indicated within the electronic submission or said bid will not be opened and/or considered.
- L. Your offer will be required to be submitted under a condition of irrevocability for a period of 60 days after submission.
- M. The Owner reserves the right to accept or reject any or all offers.

END OF SECTION

SECTION 07-2100 - THERMAL INSULATION**PART 1 GENERAL****1.01 SECTION INCLUDES**

- A. Rigid insulation at cavity wall construction, perimeter foundation wall, and exterior wall behind masonry wall finish.
- B. Rigid continuous insulation for exterior walls, NFPA 285 compliant, along with approved air and vapor barriers.
- C. Batt insulation in roof curbs.

1.02 RELATED REQUIREMENTS

- A. Section 07-2700 - Air Barriers: Separate air barrier materials.

1.03 REFERENCE STANDARDS

- A. ASTM C518 - Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus.
- B. ASTM C553 - Standard Specification for Mineral Fiber Blanket Thermal Insulation for Commercial and Industrial Applications.
- C. ASTM C578 - Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation.
- D. ASTM C612 - Standard Specification for Mineral Fiber Block and Board Thermal Insulation.
- E. ASTM C665 - Standard Specification for Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing.
- F. ASTM C1289 - Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board.
- G. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
- H. NFPA 285 - Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Wall Assemblies Containing Combustible Components.

1.04 SUBMITTALS

- A. Product Data: Submit for each type of insulation and air and vapor barrier material; include performance characteristics and product limitations. **Insulation and air and vapor barrier product data must be submitted together for NFPA 285 compliance confirmation.**
- B. Product Data: Include test reports or engineering judgments for each entire exterior wall assembly to verify compliance with NFPA 285.
- C. Certified test reports showing compliance with specified performance, density, strength, perm rating, fire resistive rating, burning characteristics, and water absorption.
- D. Manufacturer's Installation Instructions: Include information on special environmental conditions required for installation and installation techniques.

1.05 FIELD CONDITIONS

- A. Do not install insulation adhesives when temperature or weather conditions are detrimental to successful installation.

PART 2 PRODUCTS**2.01 APPLICATIONS**

- A. Insulation at Perimeter of Foundation: Extruded polystyrene board.
- B. Insulation Over Metal Stud Framed Walls, Continuous: Polyisocyanurate board.

2.02 FOAM BOARD INSULATION MATERIALS

- A. Extruded Polystyrene (XPS) Board Insulation: Comply with ASTM C578 with either natural skin or cut cell surfaces.
 - 1. Flame Spread Index (FSI): Class A - 0 to 25, when tested in accordance with ASTM E84.
 - 2. Smoke Developed Index (SDI): 450 or less, when tested in accordance with ASTM E84.
 - 3. Board Edges: Square.
 - 4. Type and Water Absorption: Type VI, 0.3 percent by volume, maximum, by total immersion.
 - 5. Products:

- a. DuPont de Nemours, Inc; Styrofoam Brand Highload: building.dupont.com/#sle.
 - b. Kingspan Insulation LLC; GreenGuard XPS: www.kingspan.com/#sle.
 - c. Owens Corning Corporation; FOAMULAR NGX series: www.ocbuildingspec.com/#sle.
- B. Rigid Cellular Polyisocyanurate (ISO) Thermal Insulation Board with Facers Both Sides: Complying with ASTM C1289.
1. Classifications:
 - a. Type I: Faced with aluminum foil on both major surfaces of core foam.
 - 1) Class 1 - Non-reinforced core foam.
 - 2) Compressive Strength: 20 psi, minimum.
 - 3) Thermal Resistance, R-value: At 3 inch thick; 19.0, minimum, at 75 degrees F.
 2. Flame Spread Index (FSI): Class B - 26 to 75, when tested in accordance with ASTM E84.
 3. Smoke Developed Index (SDI): 450 or less, when tested in accordance with ASTM E84.
 4. Complies with fire resistance requirements indicated as part of an exterior wall assembly when tested in accordance with NFPA 285.
 5. Board Size: 48 inch by 96 inch.
 6. Board Edges: Square.
 7. Insulation products and NFPA 285 compliant assemblies:
 - a. Atlas Roofing Corporation; EnergyShield Pro Continuous Wall Insulation: www.atlasroofing.com. **4 inches thick maximum.**
 - 1) NFPA 285 3rd Party Report: Dr. J Engineering Report TER-1306-03, revisions dated March 12, 2025, subject to renewal April 1, 2026.
 - 2) Backup Wall Construction: Concrete, concrete masonry units (CMU), and steel stud walls.
 - 3) Air and Vapor Barrier - Provide one of the following:
 - (a) Fluid Applied:
 - (1) Henry; ~~Air-Block-21FR~~ [Air-Bloc 17MR](#)
 - (2) Hohmann & Barnard; Enviro-Barrier [VP](#)
 - (3) NaturaSeal; NS-A-250 ~~LP~~ [HP](#)
 - (b) Sheet:
 - (1) Carlisle; Fire Resist 705 ~~VPFR-A / Henry Metal Clad 705FR~~
 - (2) GCP Applied Technologies/Grace; Perm-A-Barrier ~~NPS VPS~~
 - (3) ~~GCP Applied Technologies/Grace; Perm-A-Barrier Aluminum Wall Membrane~~
 - (4) Soprema; ~~Soprasolin HD~~ [Sopraseal Stick VP](#)
 - (5) Tremco; ExoAir ~~111~~ [230](#)
 - 4) Insulation: Atlas EnergyShield Pro Foil Faced, 4 inches thick maximum.
 - 5) Cladding: Brick (nominal 4 inches thick), as indicated on drawings.
 - b. Carlisle Coatings & Waterproofing, Inc; R2+ Silver: www.carlisleccw.com. **3-1/2 inches thick maximum.**
 - 1) NFPA 285 3rd Party Report: Dr. J Engineering Report TER-1407-01, revision dated September 27, 2024, subject to renewal October 1, 2025.
 - 2) Backup Wall Construction: Concrete, concrete masonry units (CMU), and steel stud walls.
 - 3) Air and Vapor Barrier - Provide one of the following:
 - (a) Fluid Applied:
 - (1) Hohmann & Barnard; Enviro-Barrier [VP](#)
 - (2) NaturaSeal; NS-A-250 ~~LP~~ [HP](#)
 - (b) Sheet:
 - (1) Carlisle; Fire Resist 705 ~~VPFR-A / Henry Metal Clad 705FR~~
 - (2) ~~GCP Applied Technologies; Perm-A-Barrier VPS~~

- (3) ~~GCP Applied Technologies/Grace; Perm-A-Barrier Aluminum Wall Membrane~~
- (4) Soprema; ~~Soprasolin HD Sopraseal Stick VP~~
- 4) Insulation: Carlisle Coatings and Waterproofing R2+ Silver, 3-1/2 inches thick maximum.
- 5) Cladding: Brick (nominal 4 inches thick), as indicated on drawings.
- c. Hunter Panels; Xci Foil (Class A): www.hunterpanels.com/#sle.
 - 1) NFPA 285 3rd Party Report: Dr. J Engineering Report TER-1402-01, revision dated October 1, 2024, subject to renewal October 1, 2025.
 - 2) Backup Wall Construction: Concrete, concrete masonry units (CMU), and steel stud walls.
 - 3) Air and Vapor Barrier - Provide one of the following:
 - (a) Fluid Applied:
 - (1) Hohmann & Barnard; Enviro-Barrier VP
 - (2) NaturaSeal; NS-A-250 LP HP
 - (b) Sheet:
 - (1) Carlisle; Fire Resist 705 VPFR-A / Henry Metal Clad 705FR.
 - (2) GCP Applied Technologies; Perm-A-Barrier VPS
 - (3) ~~GCP Applied Technologies/Grace; Perm-A-Barrier Aluminum Wall Membrane~~
 - (4) ~~Polyguard; Ailok UV400NP~~
 - (5) Soprema; ~~Soprasolin HD Sopraseal Stick VP~~
 - 4) Insulation: Hunter, XCI Foil Class A, 3-1/2 inches thick maximum.
 - 5) Cladding: Brick (nominal 4 inches thick), as indicated on drawings.
- d. Hunter Panels; Xci Foil (Class A): www.hunterpanels.com. **4 inches thick maximum.**
 - 1) NFPA 285 3rd Party Report: Dr. J Engineering Report TER-1402-01, revision dated October 1, 2024, subject to renewal October 1, 2025.
 - 2) Backup Wall Construction: Concrete, concrete masonry units (CMU), and steel stud walls.
 - 3) Air and Vapor Barrier - Provide one of the following:
 - (a) Fluid Applied:
 - (1) Hohmann & Barnard; Enviro-Barrier VP
 - (2) NaturaSeal; NS-A-250 LP HP
 - (b) Sheet:
 - (1) Carlisle; Fire Resist 705 VPFR-A / Henry Metal Clad 705FR.
 - ~~Carlisle; Fire Resist 705 FR-A / Henry Metal Clad 705FR.~~
 - (2) ~~GCP Applied Technologies/Grace; Perm-A-Barrier Aluminum Wall Membrane~~
 - (3) ~~Polyguard; Ailok UV400NP~~
 - (4) Soprema; ~~Soprasolin HD Sopraseal Stick VP~~
 - 4) Insulation: Hunter, XCI Foil Class A, **4 inches thick maximum.**
 - 5) Cladding: Brick (nominal 4 inches thick), as indicated on drawings.

~~Ox Engineered Products; ISO Red Max (Polyiso Class A): www.oxengineeredproducts.com. **4 inches thick maximum.**~~

~~NFPA 3rd Party Report: Dr. J Engineering Report TER-1306-02, revision dated May 2, 2025, subject to renewal October 1, 2025.~~

~~Backup Wall Construction: Concrete, concrete masonry units (CMU), and steel stud walls.~~

~~Air and Vapor Barrier—Provide one of the following:~~

~~Fluid Applied:~~

~~Hohmann & Barnard; Enviro-Barrier~~

~~NaturaSeal; NS-A-250LP~~

~~Sheet:~~

~~GCP Applied Technologies/Grace; Perm-A-Barrier Aluminum Wall Membrane~~

~~Polyguard; Ailok UV400NP~~

~~Soprema; Soprasolin HD~~

~~Insulation: Hunter, XCI Foil Class A, 4 inches thick maximum.~~

~~Cladding: Brick (nominal 4 inches thick), as indicated on drawings.~~

- e. Rmax Inc; ECOMAXci FR: www.rmax.com. **4-1/2 inches thick maximum.**
- 1) NFPA 3rd Party Report: Dr. J Engineering Report TER-1212-03, revision dated September 23, 2024, subject to renewal October 1, 2025.
 - 2) Backup Wall Construction: Concrete, concrete masonry units (CMU), and steel stud walls.
 - 3) Air and Vapor Barrier - Provide one of the following:
 - (a) Fluid Applied:
 - (1) Henry; ~~Air-Block 21FR~~ [Air-Bloc 17MR](#)
 - (2) NaturaSeal; NS-A-250 ~~LP~~ [HP](#)
 - (b) Sheet:
 - (1) ~~GCP Applied Technologies/Grace; Perm-A-Barrier Aluminum Wall Membrane~~
 - (2) [GCP Applied Technologies; Perm-A-Barrier VPS](#)
 - (3) Henry; ~~MetalClad, Foilskin, or~~ Blueskin [SA.VP.160](#)
 - (4) Soprema; ~~Soprasolin HD~~ [Sopraseal Stick VP](#)
 - 4) Insulation: Rmax, ECOMAXci, **4-1/2 inches thick maximum.**
 - 5) Cladding: Brick (nominal 4 inches thick) , as indicated on drawings.

2.03 MINERAL FIBER BOARD INSULATION MATERIALS

- A. Mineral Wool Board Insulation: Rigid or semi-rigid mineral wool, ASTM C612 or ASTM C553; unfaced flame spread index of 0 (zero) when tested in accordance with ASTM E84.
1. Smoke Developed Index: 450 or less, when tested in accordance with ASTM E84.
 2. Thermal Resistance: R-value of 4.2 per inch at 75 degrees F, minimum, when tested in accordance with ASTM C518.
 3. Products:
 - a. ROCKWOOL; CAVITYROCK: www.rockwool.com/#sle.
 - b. Thermafiber, Inc; Versaboard: www.thermafiber.com/#sle.

2.04 BATT INSULATION MATERIALS

- A. Mineral Wool Batt Thermal Insulation: Flexible or semi-rigid preformed insulation, complying with ASTM C665.
1. Flame Spread Index: 25 or less, when tested in accordance with ASTM E84.
 2. Smoke Developed Index: 450 or less, when tested in accordance with ASTM E84.
 3. Products:
 - a. ROCKWOOL (ROXUL, Inc); COMFORTBATT: www.rockwool.com/#sle.
 - b. ROCKWOOL; AFB: www.rockwool.com/#sle.
 - c. ROCKWOOL; AFB evo™: www.rockwool.com/#sle.
 - d. Thermafiber, Inc; SAFB FF: www.thermafiber.com/#sle.

2.05 ACCESSORIES

- A. Fasteners: Non-corroding. As recommended by insulation manufacturer.
- B. Adhesive: Type recommended by insulation manufacturer for application.

PART 3 EXECUTION

3.01 BOARD INSTALLATION AT FOUNDATION PERIMETER

- A. Install boards horizontally on foundation and where indicated.
1. Install in running bond pattern.
 2. Butt edges and ends tightly to adjacent boards and to protrusions.
- B. Cut and fit insulation tightly to protrusions or interruptions to the insulation plane.
- C. Backfill: Do not damage boards during backfill.

3.02 BOARD INSTALLATION AT EXTERIOR WALLS

- A. Fasten insulation boards through sheathing to stud framing. Fasteners must be long enough that at least three full threads are visible inside wall framing. Fasten at 16 inches on center horizontally and 24 inches on center vertically.
- B. Install boards horizontally on walls.
 - 1. Install in running bond pattern.
 - 2. Butt edges and ends tightly to adjacent boards and protrusions.
- C. Cut and fit insulation tightly to protrusions and interruptions to the insulation plane.

3.03 BOARD INSTALLATION AT CAVITY WALLS

- A. Install boards to fit snugly between wall ties.
- B. Install boards horizontally on walls.
- C. Cut and fit insulation tightly to protrusions or interruptions to the insulation plane. Seal all joints between the insulation boards and the penetration with low expanding urethane foam insulation.

3.04 BATT INSTALLATION

- A. Install insulation in accordance with manufacturer's instructions.
- B. Install in spaces without gaps or voids. Do not compress insulation.
- C. Trim insulation neatly to fit spaces. Insulate miscellaneous gaps and voids.
- D. Fit insulation tightly in cavities and tightly to exterior side of mechanical and electrical services within the plane of the insulation.

3.05 PROTECTION

- A. Do not permit installed insulation to be damaged prior to its concealment.

END OF SECTION

SECTION 07-2700 - AIR BARRIERS**PART 1 GENERAL****1.01 SECTION INCLUDES**

- A. Air barriers.

1.02 RELATED REQUIREMENTS

- A. Section 07-2100 - Thermal Insulation: Allowable air and vapor barriers in NFPA 285 compliant exterior wall assemblies.

1.03 REFERENCE STANDARDS

- A. ASTM D1970/D1970M - Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection.
- B. ASTM E96/E96M - Standard Test Methods for Gravimetric Determination of Water Vapor Transmission Rate of Materials.
- C. ASTM E2178 - Standard Test Method for Determining Air Leakage Rate and Calculation of Air Permeance of Building Materials.
- D. NFPA 285 - Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Wall Assemblies Containing Combustible Components.

1.04 SUBMITTALS

- A. Product Data: Submit for each air and vapor barrier product; include performance characteristics and product limitations. **Insulation and air and vapor barrier product data must be submitted together for NFPA 285 compliance confirmation.** Reference Specification Section 07-2100 - Thermal Insulation for more information.
- B. Shop Drawings: Provide drawings of special joint conditions.
- C. Manufacturer's Installation Instructions: Indicate preparation, installation methods, and storage and handling criteria.

1.05 FIELD CONDITIONS

- A. Maintain temperature and humidity recommended by materials manufacturers before, during, and after installation.

PART 2 PRODUCTS**2.01 AIR AND VAPOR BARRIER (AIR IMPERMEABLE AND WATER VAPOR ~~IMPERMEABLE~~ PERMEABLE)**

- A. Manufacturers:
1. Acceptable Manufacturers and Products: Reference Section 07-2100 - Thermal Insulation for air and vapor barriers in NFPA 285 compliant exterior wall assemblies.
- B. Material: Contractor's choice of sheet membrane or liquid-applied membrane. Recommended by manufacturer for temperature at time of application, and for in-service temperature.
1. Sheet Membrane: Completely self-adhering.
 2. Liquid-Applied Membrane: Flexible, monolithic.
- C. Air and Vapor Barrier Sheet, Self-Adhered:
1. Air Permeance: 0.004 cfm/sq ft, maximum, when tested in accordance with ASTM E2178.
 2. Water Vapor Permeance: ~~0.1 perms~~10 perms, maximum, when tested in accordance with ASTM E96/E96M using Procedure B - Water Method.
- D. Air and Vapor Barrier, Fluid-Applied:
1. Air Permeance: 0.004 cfm/sq ft, maximum, when tested in accordance with ASTM E2178.
 2. Water Vapor Permeance: ~~0.1 perm~~11 perm, maximum, when tested in accordance with ASTM E96/E96M using Procedure B - Water Method.

2.02 ACCESSORIES

- A. Sealants, Tapes, and Accessories for Sealing Air Barrier / Air and Vapor Barrier and Adjacent Substrates: As indicated or in compliance with air barrier manufacturer's installation instructions.

- B. Air and Vapor Barrier Flashing: Self-adhesive sheet flashing complying with ASTM D1970/D1970M, except slip resistance requirement waived if not installed on roof.
1. Width: 4 inches.
 2. Thickness: 40 mil, minimum.
 3. Air Permeance: 0.004 cfm/sq. ft. maximum, per ASTM E2178.
 4. Water Vapor Permeance: 0.02 perms maximum, per ASTM E96 Test Method B.
 5. Seam and Perimeter Tape: As recommended by sheet manufacturer.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install materials in accordance with manufacturer's installation instructions.
- B. Air Barriers: Install continuous airtight barrier over surfaces indicated, with sealed seams and with sealed joints to adjacent surfaces.
- C. Apply sealants and adhesives within recommended temperature range in accordance with manufacturer's installation instructions.
- D. Self-Adhered Sheets:
1. Prepare substrate in accordance with sheet manufacturer's installation instructions; fill and tape joints in substrate and between dissimilar materials.
 2. Lap sheets shingle fashion to shed water and seal laps airtight.
 3. Once sheets are in place, press firmly into substrate with resilient hand roller; ensure that laps are firmly adhered with no gaps or fishmouths.
 4. Use same material, or other material approved by sheet manufacturer, to seal to adjacent substrates, and as flashing.
 5. At wide joints, provide extra flexible membrane allowing joint movement.
- E. Fluid-Applied Coatings or Membranes:
1. Prepare substrate in accordance with manufacturer's installation instructions; treat joints in substrate and between dissimilar materials as indicated.
 2. Use flashing to seal to adjacent construction and to bridge joints in coating substrate.
- F. Openings and Penetrations in Exterior Air Barriers:
1. Install flashing over sills, covering entire sill frame member, extending at least 5 inches onto air barrier and at least 6 inches up jambs; mechanically fasten stretched edges.
 2. At openings with frames having nailing flanges, seal head and jamb flanges using a continuous bead of sealant compressed by flange and cover flanges with sealing tape at least 4 inches wide; do not seal sill flange.
 3. At openings with nonflanged frames, seal air barrier to each side of framing at opening using flashing at least 9 inches wide, and covering entire depth of framing.
 4. At head of openings, install flashing under air barrier extending at least 2 inches beyond face of jambs; seal air barrier to flashing.
 5. At interior face of openings, seal gap between window/door frame and rough framing, using joint sealant over backer rod.
 6. Service and Other Penetrations: Form flashing around penetrating item and seal to air barrier surface.

3.02 FIELD QUALITY CONTROL

- A. See Section 01-4000 - Quality Requirements for additional requirements.
- B. Do not cover installed air barriers until required inspections have been completed.

3.03 PROTECTION

- A. Do not leave materials exposed to weather longer than recommended by manufacturer.

END OF SECTION

LAWRENCE COUNTY HOSPITAL

INFRASTRUCTURE UPGRADES AND INPATIENT REMODEL
1065 EAST BROAD STREET MONTICELLO, MS 39654
CONSTRUCTION DOCUMENTS
SEPTEMBER 17, 2025



LAWRENCE COUNTY
HOSPITAL

INFRASTRUCTURE
UPGRADES AND
INPATIENT REMODEL

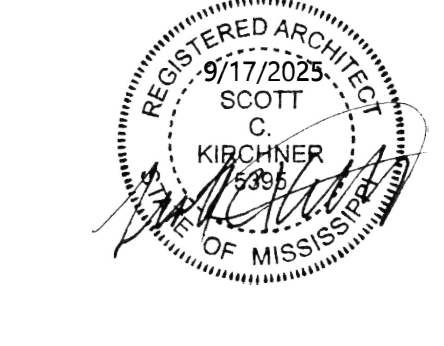
B|W|B|R, P.C.

Scott Kirchner, Architect

380 St. Peter Street, Ste. 600
Saint Paul, MN 55102
651.222.3701
bwbr.com

Consultants

This document may be an electronic file or may be printed from an electronic file provided to the user. It is the sole responsibility of the user to ensure that the content and quality is consistent with the content and quality of the original documents on file at BWBR.



I, Scott Kirchner, am the Coordinating Professional on the Field Health System Cataloging Clinic project.

Issued For

Item Date
CD ISSUE 09/17/2025
AD-01 10/06/2025

This Sheet may be a Reduced Copy

The bar above is 1" long on a Full Size Sheet. Drawing Scales apply to Full Size Sheets.

Keyplan

Comm. No. Drawn

P240014100

Sheet Title

CONSTRUCTION DOCUMENTS TITLE SHEET

Sheet No.

Sheet No.

1.100

PROJECT DIRECTORY	
OWNER LAWRENCE COUNTY HOSPITAL LAWRENCE COUNTY HOSPITAL 1065 E BROAD ST MONTICELLO, MS 39654 T 661.587.4051	CD SCOPE 1 - FRONT END INDEX
ARCHITECT BWBR P.C. 380 ST PETER ST, STE 600 SAINT PAUL, MN 55102 T 651.222.3701	CD SCOPE 1 - STRUCTURAL INDEX
CIVIL ENGINEER NEEL-SCHAFFER, INC. 1115 STARK ROAD STARKVILLE, MS 39760 T 662.268.7966	CD SCOPE 1 - ARCHITECTURAL INDEX
STRUCTURAL ENGINEER THOMPSON, DREESSEN & DORNER, INC 10836 OLD MILL ROAD OMAHA, NE 68154 T 402.330.8860	CD SCOPE 1 - PLUMBING INDEX
MECHANICAL ENGINEER SPECIALIZED ENGINEERING SOLUTIONS 10360 ELLISON CIR OMAHA, NE 68134 T 402.991.5520	CD SCOPE 1 - MECHANICAL INDEX
ELECTRICAL ENGINEER SPECIALIZED ENGINEERING SOLUTIONS 10360 ELLISON CIR OMAHA, NE 68134 T 402.991.5520	CD SCOPE 1 - ELECTRICAL INDEX

NUMBER	SHEET NAME
1.100	CONSTRUCTION DOCUMENTS TITLE SHEET
1.100.RF	OFFICE LOCATIONS AND LAY DOWN SHEET
1.101.CO	CODE PLAN, CODE SUMMARY, SYMBOLS LEGEND

NUMBER	SHEET NAME
1.290	SCOPE 2 ROOF FRAMING PLAN
1.301	ADD ALTERNATE FRAMING PLANS

NUMBER	SHEET NAME
2.401.FL	FLOOR PLAN AND PARTITION TYPES
2.401.FN	FINISH PLAN AND FINISH SCHEDULE
2.401.FP	FLOOR PATTERN PLAN
2.401.RC	REFLECTED CEILING PLAN - ADD ALTERNATE
2.500	ROOF PLAN, ROOF SECTIONS, ROOF DETAILS, AND ROOF INFORMATION

NUMBER	SHEET NAME
2.700	PLUMBING SYMBOLS AND ABBREVIATIONS
2.700.DM	CRAWL SPACE - MEDICAL GAS DEMOLITION PLAN
2.700.DP	CRAWL SPACE - PLUMBING DEMOLITION PLAN
2.700.F	FIRE PROTECTION SYMBOLS AND ABBREVIATIONS
2.700.M	CRAWL SPACE - MEDICAL GAS PLAN
2.700.P	CRAWL SPACE - PLUMBING PLAN
2.701.DF	FIRST LEVEL - FIRE PROTECTION DEMOLITION PLAN
2.701.DP	FIRST LEVEL - PLUMBING DEMOLITION PLAN
2.701.F	FIRST LEVEL - FIRE PROTECTION PLAN
2.701.M	FIRST LEVEL - MEDICAL GAS PLAN
2.701.P	FIRST LEVEL - PLUMBING PLAN
2.702.DP	ROOF LEVEL - PLUMBING DEMOLITION PLAN
2.702.P	ROOF LEVEL - PLUMBING PLAN
2.731	PLUMBING ENLARGED PLAN - ADD ALTERNATE
2.750	PLUMBING DETAILS
2.760	PLUMBING SCHEDULES

NUMBER	SHEET NAME
2.800	MECHANICAL SYMBOLS AND ABBREVIATIONS
2.800.MS	MECHANICAL - SITE PLAN
2.800.DH	CRAWL SPACE - MECHANICAL DEMOLITION PLAN
2.800.P	CRAWL SPACE - HYDRONIC PIPING PLAN
2.801.DH	FIRST LEVEL - MECHANICAL DEMOLITION PLAN
2.801.H	FIRST LEVEL - DUCTWORK PLAN
2.801.P	FIRST LEVEL - HYDRONIC PIPING PLAN
2.802.DH	ROOF LEVEL - MECHANICAL DEMOLITION PLAN
2.802.H	ROOF LEVEL - MECHANICAL PLAN
2.801	MECHANICAL ENLARGED PLAN - ADD ALTERNATE
2.850	MECHANICAL DETAILS
2.851	CONTROL DETAILS
2.852	CONTROL DETAILS
2.860	MECHANICAL SCHEDULES
2.861	MECHANICAL SCHEDULES

NUMBER	SHEET NAME
2.900	ELECTRICAL SYMBOLS AND ABBREVIATIONS
2.900.ES	ELECTRICAL DEMOLITION - SITE PLAN
2.901.ES	ELECTRICAL - SITE PLAN
2.901	ENLARGED PLANS
1.930	ENLARGED PLANS
1.931	ENLARGED PLANS
1.950	ELECTRICAL ONE-LINE DIAGRAMS - EXISTING
1.951	ELECTRICAL ONE-LINE DIAGRAMS - INFRASTRUCTURE
1.960	ELECTRICAL DETAILS
1.970	ELECTRICAL SCHEDULES
1.971	ELECTRICAL PANEL SCHEDULES
1.972	ELECTRICAL PANEL SCHEDULES

NUMBER	SHEET NAME
2.201	EXISTING CONDITIONS
2.202	DEMOLITION PLAN
2.203	SITE LAYOUT AND GRADING PLAN - BASE BID
2.204	SITE LAYOUT AND GRADING PLAN - ADD ALTERNATE
2.205	CIVIL DETAILS
2.206	WATER DETAILS

NUMBER	SHEET NAME
2.301	SCOPE 2 ROOF FRAMING PLAN
2.302	ADD ALTERNATE FRAMING PLANS
2.350	STRUCTURAL DETAILS

NUMBER	SHEET NAME
2.401.DE	DEMOLITION PLAN
2.401.FL	FLOOR PLAN AND PARTITION TYPES
2.401.FN	FINISH PLAN AND FINISH SCHEDULE
2.401.FP	FLOOR PATTERN PLAN
2.401.RC	REFLECTED CEILING PLAN - ADD ALTERNATE
2.500	ROOF PLAN, ROOF SECTIONS, ROOF DETAILS, AND ROOF INFORMATION
2.510	EXTERIOR ELEVATIONS, WALL SECTION AND EXTERIOR WALL TYPES
2.520	OPENING SCHEDULE, DOOR PANEL AND FRAME TYPES, STOREFRONT TYPES
2.540	EXTERIOR DETAILS
2.600	MOUNTING HEIGHTS AND LOCATIONS, CASEWORK LEGEND, GENERAL NOTES
2.601	1/4" PLANS, INTERIOR ELEVATIONS - STAFF SPACES
2.602	1/4" PLANS, INTERIOR ELEVATIONS - STAFF BREAK, PATIENT ROOMS AND TOILETS
2.603	1/4" PLANS, INTERIOR ELEVATIONS - PATIENT ROOMS AND TOILETS
2.610	ADD ALTERNATE - 1/4" PLAN, RCP, ROOF PLAN, AND FINISH PLAN, OPENING SCHEDULE
2.611	ADD ALTERNATE - INTERIOR AND EXTERIOR ELEVATIONS, WALL TYPES
2.612	ADD ALTERNATE - WALL SECTIONS AND EXTERIOR DETAILS
2.630	INTERIOR DETAILS

NUMBER	SHEET NAME
2.700	PLUMBING SYMBOLS AND ABBREVIATIONS
2.700.DM	CRAWL SPACE - MEDICAL GAS DEMOLITION PLAN
2.700.DP	CRAWL SPACE - PLUMBING DEMOLITION PLAN
2.700.F	FIRE PROTECTION SYMBOLS AND ABBREVIATIONS
2.700.M	CRAWL SPACE - MEDICAL GAS PLAN
2.700.P	CRAWL SPACE - PLUMBING PLAN
2.701.DF	FIRST LEVEL - FIRE PROTECTION DEMOLITION PLAN
2.701.DP	FIRST LEVEL - PLUMBING DEMOLITION PLAN
2.701.F	FIRST LEVEL - FIRE PROTECTION PLAN
2.701.M	FIRST LEVEL - MEDICAL GAS PLAN
2.701.P	FIRST LEVEL - PLUMBING PLAN
2.702.DP	ROOF LEVEL - PLUMBING DEMOLITION PLAN
2.702.P	ROOF LEVEL - PLUMBING PLAN
2.731	PLUMBING ENLARGED PLAN - ADD ALTERNATE
2.750	PLUMBING DETAILS
2.760	PLUMBING SCHEDULES

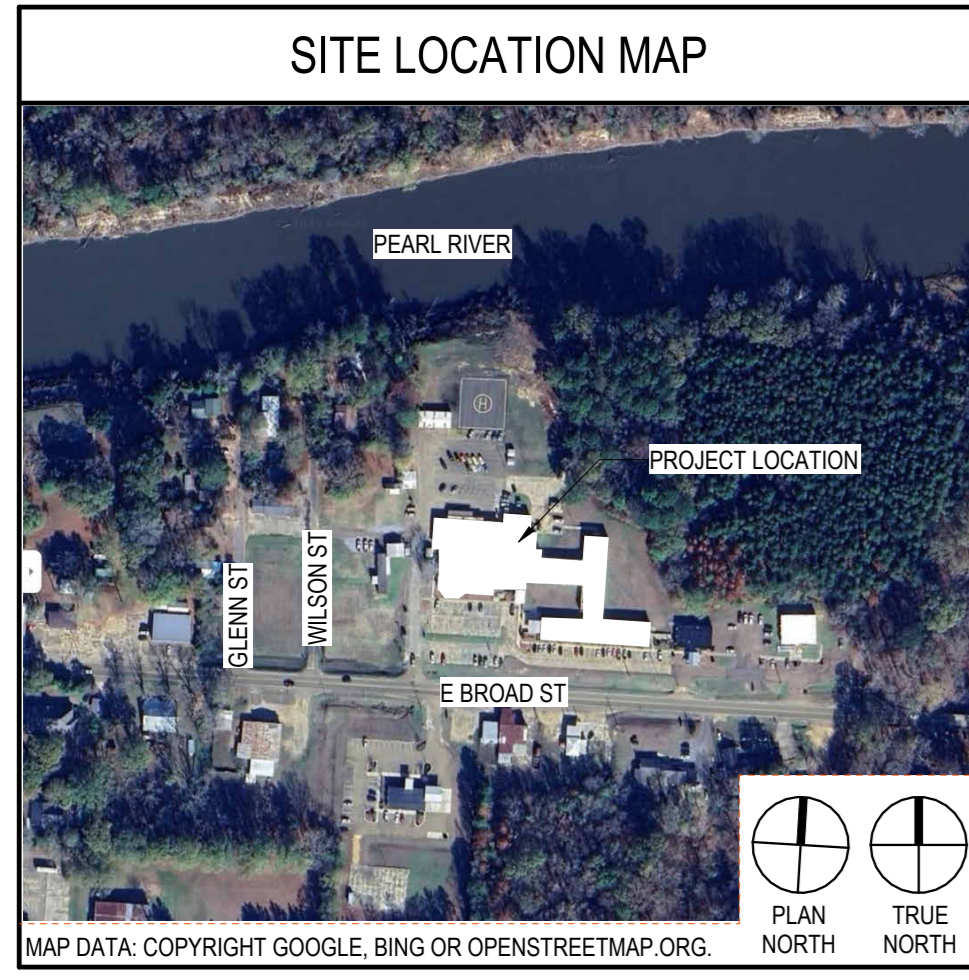
NUMBER	SHEET NAME
2.800	MECHANICAL SYMBOLS AND ABBREVIATIONS
2.800.DH	CRAWL SPACE - MECHANICAL DEMOLITION PLAN
2.800.P	CRAWL SPACE - HYDRONIC PIPING PLAN
2.801.DH	FIRST LEVEL - MECHANICAL DEMOLITION PLAN
2.801.H	FIRST LEVEL - DUCTWORK PLAN
2.801.P	FIRST LEVEL - HYDRONIC PIPING PLAN
2.802.DH	ROOF LEVEL - MECHANICAL DEMOLITION PLAN
2.802.H	ROOF LEVEL - MECHANICAL PLAN
2.801	MECHANICAL ENLARGED PLAN - ADD ALTERNATE
2.850	MECHANICAL DETAILS
2.851	CONTROL DETAILS
2.852	CONTROL DETAILS
2.860	MECHANICAL SCHEDULES
2.861	MECHANICAL SCHEDULES

NUMBER	SHEET NAME
2.900	ELECTRICAL SYMBOLS AND ABBREVIATIONS
2.901.DE	FIRST LEVEL - ELECTRICAL DEMOLITION PLAN
2.901.L	FIRST LEVEL - LIGHTING PLAN
2.901.LC	FIRST LEVEL - LIGHTING CONTROL PLAN
2.901.P	FIRST LEVEL - POWER PLAN
2.901.V	FIRST LEVEL - LOW VOLTAGE PLAN
2.902.DE	ROOF LEVEL - ELECTRICAL DEMOLITION PLAN
2.902.P	ROOF LEVEL - POWER PLAN
2.930	ENLARGED FLOOR PLANS - POWER & LOW VOLTAGE
2.931	ELECTRICAL ENLARGED PLANS - ADD ALTERNATE
2.932	ELECTRICAL ENLARGED PLANS - ADD ALTERNATE
2.950	ELECTRICAL ONE-LINE DIAGRAM
2.960	ELECTRICAL DETAILS
2.970	ELECTRICAL SCHEDULES
2.971	ELECTRICAL PANEL SCHEDULES

SHEET NUMBERING EXPLANATION	
BID PACKAGE SHEET GROUPING FLOOR LEVEL ZONE NUMBER PLAN TYPE	SHEET GROUPING PLAN STRUCTURAL DEMO PLANS
1.402.1.D1	400 DE DEMOLITION PLAN DI DIMENSION PLAN DK EXTERIOR PLAN EK EXTERIOR PLAN FL FLOOR PLAN FN FINISH PLAN FP FLOOR PATTERN PLAN PP EQUIPMENT PLAN RC REFLECTED CEILING PLAN (SYSTEMS) FURNITURE PLAN SY
BID PACKAGE SHEET GROUPING FLOOR LEVEL ZONE NUMBER PLAN TYPE	SHEET GROUPING PLAN EXTERIOR ARCHITECTURE
1.701.1.DF	700 DF DEMO FIRE PROTECTION DM DEMO MED GAS DP DEMO PLUMBING F MECH FIRE PROTECTION M MECH MED GAS P MECH PLUMBING
SHEET GROUPING TITLE SHEET CODE PLAN PHASING PLAN REFERENCE PLAN	SHEET GROUPING PLAN DEMO HVAC DEMO PIPING MECH HVAC MECH PIPING
200 AS ARCHITECTURAL SITE PLAN CD CIVIL DEMOLITION PLAN CG CIVIL GRADING PLAN CU CIVIL UTILITIES PLAN CP CIVIL PAVING PLAN LP LANDSCAPE PLAN	SHEET GROUPING PLAN DEMO ELEC LIGHTING DEMO ELEC POWER DEMO ELEC SYSTEMS L ELEC LIGHTING LP ELEC POWER S ELEC SYSTEMS
1000 DT DEMO TECHNOLOGY PLANS T TECHNOLOGY PLANS	SHEET GROUPING PLAN DEMO ELEC LIGHTING DEMO ELEC POWER DEMO ELEC SYSTEMS

SYMBOL LEGEND - GENERAL	
(A) NEW GRID	(A) EXISTING GRID
6'-0" DIMENSION	C CENTERLINE
OFFICE 101 ROOM TAG	TEXT 100'-0" BUILDING LEVEL OR OTHER DATUM
WALL OR PARTITION TAG SUBSCRIPT	PLAN DETAIL OR ENLARGED FLOOR PLAN
1A S10 EXTERIOR ELEVATION	1A (605) 2A INTERIOR ELEVATION
1A S50 WALL SECTION	1A S30 BUILDING SECTION
KEYNOTE: 2 LETTER PREFIXES DE DEMO PLAN DI DIMENSION PLAN DR DEMO CEILING PLAN EQ EQUIPMENT PLAN EX EXTERIOR ELEVATION EX EXTERIOR PLAN FL FLOOR PLAN FN FINISH PLAN FP FLOOR PATTERN PLAN QU EQUIPMENT PLAN RC REFLECTED CEILING PLAN RP ROOF PLAN SY FURNITURE PLAN	
100'-0" FLOOR/SPOT ELEVATION	WORKING POINT
REVISION CLOUD	REVISION TAG
EQUIPMENT TAG	
OUTSIDE LIMITS WITHIN LIMITS	ZONE 1 MATCH LINE ZONE 2

SYMBOL LEGEND - MATERIALS	
ALUMINUM	INSULATION, FOAMED IN PLACE
BRICK	INSULATION, RIGID (FOAM PLASTIC)
CMU	MORTAR TRAP
CONCRETE (IN SECTION)	PARTICLE BOARD/ PLASTIC LAMINATE
CONCRETE (IN ELEVATION)	PLYWOOD
EARTH	STEEL
GRAVEL	STONE
GYPSUM BOARD/ SHEATHING	WOOD
INSULATION, BATT	WOOD BLOCKING
INSULATION, BOARD (MINERAL WOOL)	

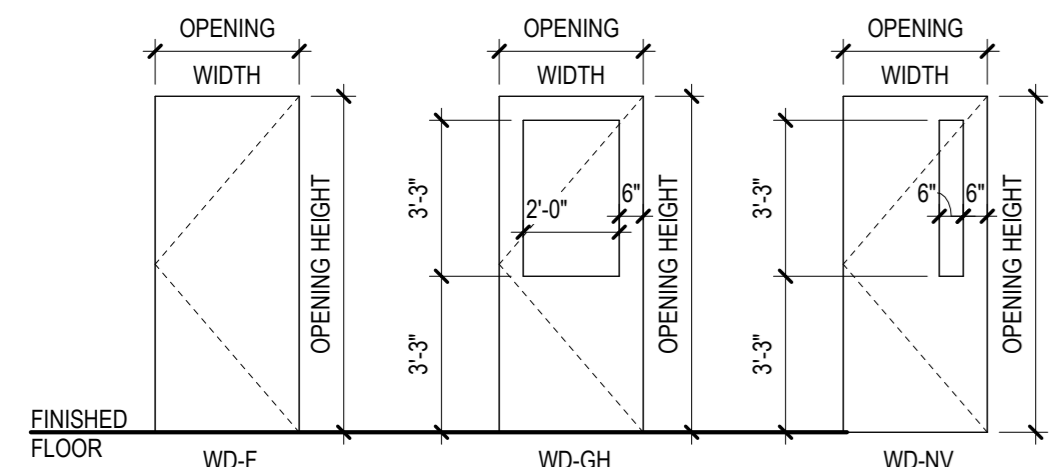


GENERAL NOTES	
1. THE ARCHITECTURAL DRAWINGS SHOW PRINCIPAL AREAS AND LIMITS OF CONSTRUCTION WHERE WORK MUST BE ACCOMPLISHED UNDER THIS CONTRACT. INCIDENTAL WORK MAY BE NECESSARY IN AREAS NOT SHOWN ON ARCHITECTURAL DRAWINGS DUE TO CHANGES AFFECTING ELECTRICAL, MECHANICAL, AND PLUMBING ALONG WITH OTHER SYSTEMS. THIS INCIDENTAL WORK SHALL BE PART OF THIS CONTRACT, AND ALL TRADES SHALL INSPECT THESE AREAS, ASCERTAIN WORK REQUIRED, AND DO THE WORK IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS AT NO ADDITIONAL COST.	7. EQUIPMENT UNIT DIMENSIONS ARE FOR PRODUCT DESCRIPTION ONLY. VERIFY SIZE WITH MANUFACTURER.
2. CONTRACTORS SHALL VISIT THE SITE DURING BIDDING TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS. THE GENERAL CONTRACTOR SHALL LOCATE, INSPECT, AND FIELD VERIFY EXISTING CONDITIONS, DIMENSIONS, AND ELEVATIONS PRIOR TO DEMOLITION AND CONSTRUCTION. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.	8. DIMENSIONS PERTAINING TO MECHANICAL OR ELECTRICAL SERVICES OR EQUIPMENT SHALL BE VERIFIED WITH THE RESPECTIVE TRADE.
3. DO NOT SCALE DRAWINGS. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.	9. CONTRACTORS THAT PENETRATE AND/OR DISTURB ANY AREAS AT EXISTING CONDITIONS SHALL PATCH AREA TO MATCH EXISTING ADJACENT AREA OR SURFACE AND PREPARE FOR SCHEDULED FINISH APPLICATION. COORDINATE WORK WITH GENERAL CONTRACTOR PRIOR TO PROCEEDING.
4. WHENEVER OPENINGS ARE CUT THROUGH FIRE RATED PARTITIONS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR WHOM THE HOLES IS CUT TO PATCH AND REPAIR ANY OPENING TO MAINTAIN THE INTEGRITY OF THE FIRE RATING.	10. VERIFY HEIGHTS AND LOCATIONS OF ACCESS PANELS (AP) AND COORDINATE TYPES WITH TRADES WHICH REQUIRE THEM.
5. GENERAL CONTRACTOR TO CHECK MECHANICAL DRAWINGS FOR EXISTING PIPES AND DUCTS FURRED IN WALLS. VERIFY SIZE AND LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO PROCEEDING WITH REMODELING.	11. PROVIDE LINTELS AND FRAMING FOR GRILLES, LOUVERS, AND ROOF VENTS AS REQUIRED BY MECHANICAL CONTRACTOR. VERIFY SIZE AND LOCATION.
6. FIREPROOFING SHALL BE UNPERCEDED. ANY SUBCONTRACTOR PENETRATING THE FIREPROOFING SHALL BE REQUIRED TO REPLACE FIREPROOFING TO THE ORIGINAL CONDITION AND FIRE RATINGS AT THE SUBCONTRACTOR'S EXPENSE.	12. STRUCTURAL, MECHANICAL, AND ELECTRICAL ABBREVIATIONS AND SYMBOLS MAY DIFFER FROM ARCHITECTURAL. SEE RESPECTIVE SECTIONS AND/OR DRAWINGS FOR DEFINITIONS.
	13. AT MECHANICAL AND ELECTRICAL EQUIPMENT ROOMS, PROVIDE 3/4" FIRE RESISTANT TREATED PLYWOOD BACKING BEHIND SURFACE MOUNTED FIXTURES AND EQUIPMENT UNLESS NOTED OTHERWISE.
	14. HOUSEKEEPING PADS SHALL BE PROVIDED BY TRADES WHICH REQUIRE THEM. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR SIZES AND LOCATIONS.
	15. A DIMENSION LABELED 'HOLD' IS AN ABSOLUTE REQUIREMENT SUBJECT ONLY TO CONVENTIONAL INDUSTRY TOLERANCES. A DIMENSION LABELED 'CLEAR' INDICATES A MINIMUM CLEARANCE.



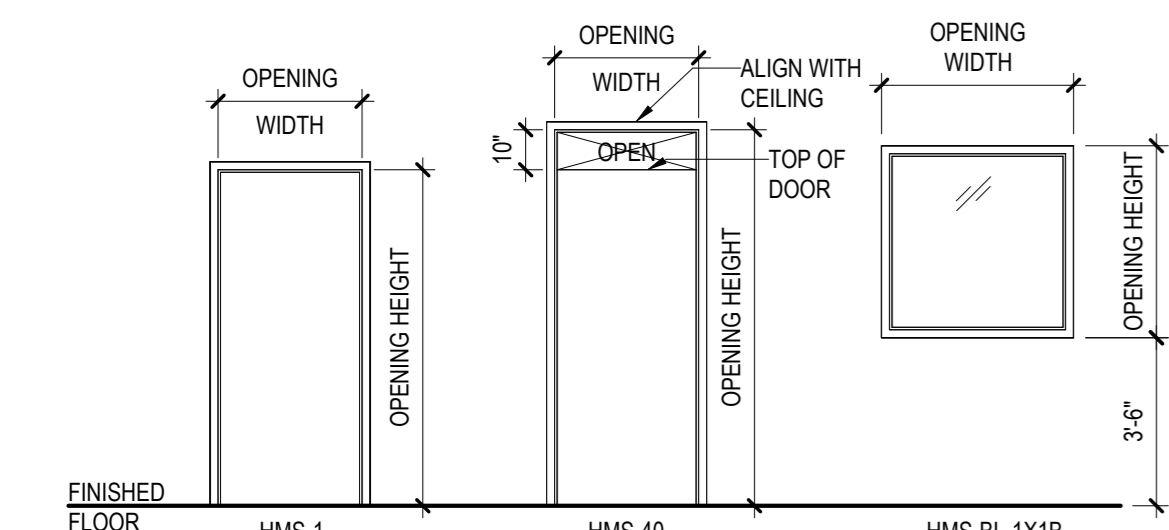
10/6/2023 3:00:29 PM

Copyright BWBR

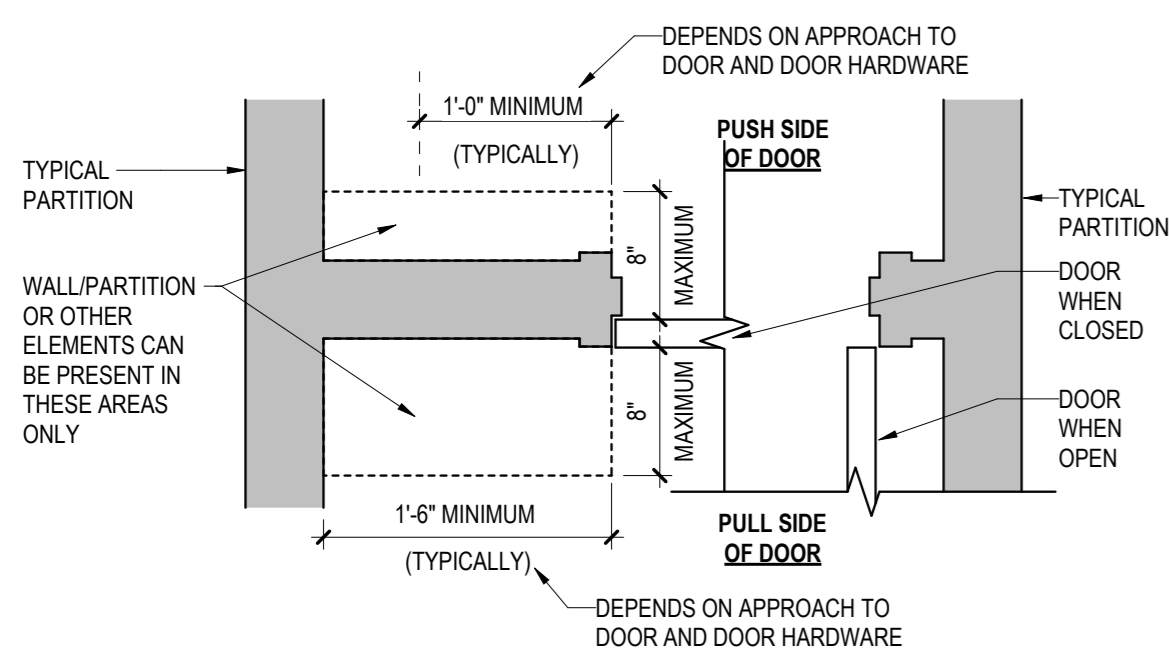


NOTE: PANELS OF DOUBLE DOORS ARE EQUAL WIDTH UNLESS NOTED OTHERWISE IN THE 'ACTIVE PANEL WIDTH' COLUMN OF THE OPENING SCHEDULE

DOOR PANEL TYPES
1/4" = 1'-0"



DOOR AND BORROWED LIGHT FRAME TYPES
1/4" = 1'-0"



NOTE: NOTIFY ARCHITECT IF A DOOR VIOLATES THE CLEARANCES SHOWN HERE

CLEARANCES AT DOORS
1/4" = 1'-0"

PROFILE NOTES

- FOR FRAMES IN GYPSUM BOARD PARTITIONS, PROVIDE FRAME THROAT DEPTH MATCHING PARTITION THICKNESS
- 5/8" AT MASONRY UNLESS NOTED OTHERWISE IN OPENING SCHEDULE COMMENTS) OR DEEP GYPSUM BOARD PARTITION RECESSES WHERE FRAME DOES NOT WRAP THE WALL

HOLLOW METAL DOOR FRAME PROFILES
3/8" = 1'-0"

OPENING SCHEDULE RATING DESIGNATIONS
02/04/2020

DOOR ONLY (NO SIDELIGHT)	DS: DOOR AND SIDELIGHT COMBINATIONS	BL: BORROWED LIGHTS
DO-180 (3 HOUR RATED WALLS NOT USED AS HORIZONTAL EXITS IN FIRE WALLS) • 180 MINUTE FRAME AND PANEL • PANEL GLAZING NOT PERMITTED	DS-180 (3 HOUR RATED WALLS NOT USED AS HORIZONTAL EXITS IN FIRE WALLS) • 180 MINUTE FRAME AND PANEL • PANEL GLAZING NOT PERMITTED • 180 MINUTE SIDELIGHT GLAZING: FG-32	BL-180 (3 HOUR RATED WALLS) • 180 MINUTE FRAME AND GLAZING • GLAZING: FG-31 (OR FG-32 WHERE SAFETY GLAZING REQUIRED BY CODE)
DO-180-H (3 HOUR RATED WALLS USED AS HORIZONTAL EXITS IN FIRE WALLS) • 180 MINUTE FRAME AND PANEL • PANEL GLAZING < 100 SQUARE INCHES: FG-22 • PANEL GLAZING > 100 SQUARE INCHES: FG-32	DS-180-H (3 HOUR RATED WALLS USED AS HORIZONTAL EXITS IN FIRE WALLS) • 180 MINUTE FRAME AND PANEL • PANEL GLAZING < 100 SQUARE INCHES: FG-22 • PANEL GLAZING > 100 SQUARE INCHES: FG-32	BL-180-H (3 HOUR RATED WALLS USED AS ENCLOSURES FOR SHAFTS OR INTERIOR EXIT STAIRWAYS AND INTERIOR EXIT RAMPS) • 180 MINUTE FRAME AND GLAZING • GLAZING: FG-31 (OR FG-32 WHERE SAFETY GLAZING REQUIRED BY CODE)
DO-90 (2 HOUR RATED WALLS) • 90 MINUTE FRAME AND PANEL • PANEL GLAZING < 100 SQUARE INCHES: FG-22 • PANEL GLAZING > 100 SQUARE INCHES: FG-32	DS-90 (2 HOUR RATED WALLS) • 90 MINUTE FRAME AND PANEL • PANEL GLAZING < 100 SQUARE INCHES: FG-22 • PANEL GLAZING > 100 SQUARE INCHES: FG-32	BL-90 (2 HOUR RATED WALLS USED AS ENCLOSURES FOR SHAFTS, INTERIOR EXIT STAIRWAYS, AND INTERIOR EXIT RAMPS AND EXIT PASSAGEWAY WALLS) • 90 MINUTE FRAME AND GLAZING • GLAZING: FG-31 (OR FG-32 WHERE SAFETY GLAZING REQUIRED BY CODE)
DO-60 (1 HOUR RATED WALLS USED AS ENCLOSURES FOR SHAFTS, INTERIOR EXIT STAIRWAYS, AND INTERIOR EXIT RAMPS AND EXIT PASSAGEWAY WALLS) • 60 MINUTE FRAME AND PANEL • PANEL GLAZING < 100 SQUARE INCHES: FG-22 • PANEL GLAZING > 100 SQUARE INCHES: FG-32	DS-60 (1 HOUR RATED WALLS USED AS ENCLOSURES FOR SHAFTS, INTERIOR EXIT STAIRWAYS, AND INTERIOR EXIT RAMPS AND EXIT PASSAGEWAY WALLS) • 60 MINUTE FRAME AND PANEL • PANEL GLAZING < 100 SQUARE INCHES: FG-22 • PANEL GLAZING > 100 SQUARE INCHES: FG-32	BL-60 (1 HOUR RATED WALLS USED AS ENCLOSURES FOR SHAFTS, INTERIOR EXIT STAIRWAYS, AND INTERIOR EXIT RAMPS AND EXIT PASSAGEWAY WALLS) • 60 MINUTE FRAME AND GLAZING • GLAZING: FG-31 (OR FG-32 WHERE SAFETY GLAZING REQUIRED BY CODE)
DO-45 (1 HOUR RATED WALLS USED AS INCIDENTAL USE AREAS OR 1 HOUR OCCUPANCY SEPARATIONS) • 45 MINUTE FRAME AND PANEL • PANEL GLAZING: FG-22 REGARDLESS OF SIZE	DS-45 (1 HOUR RATED WALLS USED AS DOOR/SIDELIGHT COMBINATIONS IN FIRE PARTITIONS OR 1 HOUR SMOKE BARRIER WALLS) • 45 MINUTE FRAME • 45 MINUTE PANEL WHEN USED AS INCIDENTAL USE AREAS, 1 HOUR OCCUPANCY SEPARATIONS OR IN RATED ELEVATOR LOBBY WALLS • PANEL GLAZING: FG-22 REGARDLESS OF SIZE • 45 MINUTE FRAME AND GLAZING • GLAZING: FG-31 (OR FG-32 WHERE SAFETY GLAZING REQUIRED BY CODE)	BL-45 (1 HOUR RATED WALLS USED AS FIRE PARTITIONS, INCIDENTAL USE AREAS, 1 HOUR MIXED OCCUPANCY SEPARATIONS OR SMOKE BARRIER WALLS, FP DENOTES FIRE PROTECTIVE GLAZING) • 45 MINUTE FRAME • GLAZING: FG-21 (OR FG-22 WHERE SAFETY GLAZING REQUIRED BY CODE)
DO-20-C (CROSS CORRIDOR DOORS ONLY IN 1 HOUR RATED SMOKE BARRIER WALL) • 20 MINUTE FRAME AND PANEL • DOOR PANEL WITH CONSTRUCTION LABEL STATING DOOR LEAF IS BUILT TO STANDARD OF 20 MINUTE RATING BUT NOT RATED AS NO LATCHING HARDWARE IS REQUIRED • PANEL GLAZING: FG-22 REGARDLESS OF SIZE	DS-45-C (1 HOUR RATED WALLS USED AS CONTROL AREA FOR HAZARDOUS MATERIALS) • 45 MINUTE FRAME AND PANEL • PANEL GLAZING < 100 SQUARE INCHES: FG-22 • PANEL GLAZING > 100 SQUARE INCHES: FG-32	BL-45-C (1 HOUR RATED WALLS USED AS CONTROL AREA FOR HAZARDOUS MATERIALS) • 45 MINUTE FRAME AND GLAZING • GLAZING: FG-31 (OR FG-32 WHERE SAFETY GLAZING REQUIRED BY CODE)
DO-20-R (1/2 HOUR RATED WALLS USED FOR CORRIDOR AND DWELLING/SLEEPING UNIT SEPARATION WALLS USUALLY FOUND IN OCCUPANCIES) • 20 MINUTE FRAME AND PANEL • PANEL GLAZING: FG-22 REGARDLESS OF SIZE	DS-20-R (1/2 HOUR RATED WALLS USED AS DOOR/SIDELIGHT COMBINATIONS IN FIRE PARTITIONS IN OCCUPANCIES WITH 1/2 HOUR RATED CORRIDORS) • 20 MINUTE FRAME AND PANEL • PANEL GLAZING: FG-22 REGARDLESS OF SIZE • 20 MINUTE SIDELIGHT GLAZING: FG-22	BL-20-R (1/2 HOUR RATED WALLS USED AS CORRIDOR AND DWELLING/SLEEPING UNIT SEPARATION WALLS, USUALLY FOUND IN OCCUPANCIES, FP DENOTES FIRE PROTECTIVE GLAZING) • 20 MINUTE FRAME AND GLAZING • GLAZING: FG-31 (OR FG-32 WHERE SAFETY GLAZING REQUIRED BY CODE)
DO-CL (DOOR IN SMOKE PARTITION) • 0 MINUTE FRAME AND PANEL • PROVIDE CLOSER AND LATCH	DS-CL (DOOR IN SMOKE PARTITION) • 0 MINUTE FRAME AND PANEL • PROVIDE CLOSER AND LATCH	BL-CL (DOOR IN SMOKE PARTITION) • 0 MINUTE FRAME AND PANEL • PROVIDE LATCH

DESIGNATIONS WITH AN 'S' SUFFIX INDICATE THE OPENING ASSEMBLY IS TO HAVE AN 'S' LABEL INDICATING A SMOKE AND DRAFT CONTROL ASSEMBLY MEETING UL 1784
FOR OPENINGS WITH 'NONE' IN THE RATING COLUMN, REFER TO THE OPENING SCHEDULE FOR GLAZING TYPES. NOT ALL DESIGNATIONS MAY BE ON PROJECT. RATINGS LISTED ARE MINIMUM

DOOR PANEL NAMING
NOTE: ACTUAL PANELS MAY VARY FROM DESCRIPTIONS BELOW. REFER TO PANEL TYPE ELEVATIONS

PANEL PREFIXES	PANEL SUFFIXES
AG-R ALL GLASS WITH TOP & BOTTOM	B BARS (DETENTION)
AL ALUMINUM	BF BIFOLD
CG COILING GRILLE	BVC BIFOLD CLASS
CLAD CLAD	D DUTCH
DHM-P DHM, PASS CENTERED	DBO DUTCH BOTTOM ONLY
DHM-PF DHM, PASS AT EDGE	DC DUTCH GLASS
EXC- EXISTING	DS DUTCH WITH SHELF
HM HOLLOW METAL	F FLUSH
HML HOLLOW METAL LEAD LINED	F2 GLASS 2 LIGHT
IDO INTEGRATED DOOR OPENING	G2 GLASS 2 LIGHT
PLAM- PLASTIC LAMINATE	G3 GLASS 3 LIGHT
OS- OVERHEAD SECTIONAL	G4 GLASS 4 LIGHT
R2D- REVOLVING DOOR 2 PANEL	GH GLASS HALF
R3D- REVOLVING DOOR 3 PANEL	LH LOUVER HALF
R4D- REVOLVING DOOR 4 PANEL	LH LOUVER HALF
RF- RADIO FREQUENCY SHIELDED	LNV LOUVER NARROW VISION WT
SPD- SOFT SUICIDE PREVENTION DOOR	LV VISION
TD- TRAFFIC DOOR	VD VISION DOOR
WL- WOOD	W WINDOWS (1 ROW)
WDL- WOOD LEAD LINED	WV WINDOWS THROUGHOUT

DOOR FRAME NAMING
NOTE: ACTUAL FRAMES MAY VARY FROM DESCRIPTIONS BELOW. REFER TO FRAME TYPE ELEVATIONS

FRAME PREFIXES	FRAME SUFFIXES
AL ALUMINUM	0 FRAMED OPENING/STOPLESS FRAME
AL-BL ALUMINUM BORROWED LIGHT	1 DOOR ONLY
AL-SL ALUMINUM SLIDING	2 SIDELIGHT(S) 1 SIDE
AL-R ALUMINUM REVOLVING	3 SIDELIGHT(S) 1 SIDE WITH HORIZONTAL
BD- BARN DOOR (SURFACE MOUNT)	4 SIDELIGHT(S) BOTH SIDES
DHM- DETENTION HOLLOW METAL	5 SIDELIGHT(S) BOTH SIDES WITH HORIZONTAL
DHM-BL DHM BORROWED LIGHT	6 DOOR WITH TRANSOM
DHM-SL DHM SLIDING	7 DOOR WITH TRANSOM WITH SIDELIGHT(S) 1 SIDE
HMS- HOLLOW METAL EXTERIOR	8 TRANSOM WITH SIDELIGHT(S) HORIZONTAL
HMS-BL HMS BORROWED LIGHT	9 TRANSOM WITH SIDELIGHT(S) BOTH SIDES
HMS-SL HMS SLIDING	10 TRANSOM WITH SIDELIGHT(S) BOTH SIDES WITH HORIZONTAL
HMS-DE HMS DOUBLE EGRESS	11 FULL WIDTH TRANSOM WITH SIDELIGHT(S) 1 SIDE
IDO- INTEGRATED DOOR OPENING	12 4-SIDED FRAME
IDO-DE IDO DOUBLE EGRESS	13 MULTIPLE TRANSOMS, NO SIDELIGHT
OC- OVERHEAD COILING	14 MULTIPLE TRANSOMS, 1 SIDELIGHT
OS- OVERHEAD SECTIONAL	15 12" WIDE LATCH SIDE JAMB
RF- RADIO FREQUENCY SHIELDED	20 PARTIAL HEIGHT JAMBS, NO HEAD
TD- TRAFFIC DOOR	30 OPENING AT HEAD FOR RAIL OF PATIENT LIFT SYSTEM
VL- VERTICAL LIFT	40 OPAQUE TRANSOM WITH NO FRAME BETWEEN PANEL & TRANSOM
WL- WOOD	1X1 1 LIGHT WIDE & 1 LIGHT HIGH (OTHER COMBINATIONS POSSIBLE)
WDL- WOOD LEAD LINED	2X2 2 LIGHTS WIDE & 2 LIGHTS HIGH (OTHER COMBINATIONS POSSIBLE)
WDL-P WOOD POCKET	3X3 3 LIGHTS WIDE & 3 LIGHTS HIGH (OTHER COMBINATIONS POSSIBLE)
WDL-SL WOOD BORROWED LIGHT	AB ANTI BARRICADE
WDP- WOOD POCKET	ANG FRAME HAS 45 DEGREE ANGLE IN PLAN (SEE FRAME TYPES)
	O FIXED PANEL IN SLIDING DOOR
	X ACTIVE PANEL IN SLIDING DOOR

NOTE: WHEN 'SEE OTHER TYPES' OR 'SEE 'F' TYPES' IS LISTED FOR THE FRAME TYPE, REFER TO THE EXTERIOR ELEVATIONS AND CURTAIN WALL OR EXTERIOR STOREFRONT TYPES FOR FURTHER FRAME INFORMATION 02/15/2024

REVISIONS	ASSOCIATED ROOMS		OPENING		PANEL INFORMATION			FRAME INFORMATION		HDW GROUP	RATING	COMMENTS	
	ROOM NAME	ROOM NAME	NUMBER	WIDTH	HEIGHT	ACTIVE PANEL WIDTH	PANEL TYPE	2ND PANEL TYPE	PANEL GLAZING				FRAME TYPE
	CORRIDOR	PATIENT ROOM	001	4'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	08	DCL
	TOILET	PATIENT ROOM	001A	3'-6"	7'-0"		WD-F		NONE	HMS-1	NONE	07	NONE
	CORRIDOR	PATIENT ROOM	002	4'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	08A	DCL
	TOILET	PATIENT ROOM	002A	3'-6"	7'-0"		WD-F		NONE	HMS-1	NONE	07A	NONE
	CORRIDOR	PATIENT ROOM	003	4'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	08A	DCL
	TOILET	PATIENT ROOM	003A	3'-6"	7'-0"		WD-F		NONE	HMS-1	NONE	07A	NONE
	CORRIDOR	PATIENT ROOM	004	4'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	08	DCL
	TOILET	PATIENT ROOM	004A	3'-6"	7'-0"		WD-F		NONE	HMS-1	NONE	07A	NONE
	PATIENT ROOM - ACC	PATIENT ROOM - ACC	005	4'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	08	DCL
AD-01	PATIENT TOILET - ACC	PATIENT ROOM - ACC	005A	4'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	07A	NONE
AD-01	TOILET	PATIENT ROOM	006	4'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	08A	DCL
	TOILET	PATIENT ROOM	006A	3'-6"	7'-0"		WD-F		NONE	HMS-1	NONE	07	NONE
	CORRIDOR	PATIENT ROOM - All	007	4'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	08A	DCL
	PATIENT ROOM - All	PATIENT ROOM - All	007A	3'-6"	7'-0"		WD-F		NONE	HMS-1	NONE	07A	NONE
	CORRIDOR	PATIENT ROOM - All	010	4'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	08A	DCL
	PATIENT ROOM - All	TOILET	010A	3'-6"	7'-0"		WD-F		NONE	HMS-1	NONE	07A	NONE
AD-01	TOILET	PATIENT ROOM	011	4'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	08A	DCL
	PATIENT ROOM	PATIENT ROOM	011A	3'-6"	7'-0"		WD-F		NONE	HMS-1	NONE	07	NONE
AD-01	TOILET	PATIENT ROOM	012	4'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	08A	DCL
	PATIENT ROOM	PATIENT ROOM	012A	3'-6"	7'-0"		WD-F		NONE	HMS-1	NONE	07	NONE
	CORRIDOR	PATIENT ROOM	013	4'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	08A	DCL
	TOILET	PATIENT ROOM	013A	3'-6"	7'-0"		WD-F		NONE	HMS-1	NONE	07A	NONE
AD-01	CORRIDOR	PATIENT ROOM	013B	2'-6"	3'-10"		NO PANEL		NONE	HMS-BL-1X1B	VG-01		DCL
	TOILET	PATIENT ROOM	014	4'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	08A	DCL
	PATIENT ROOM	PATIENT ROOM	014A	3'-6"	7'-0"		WD-F		NONE	HMS-1	NONE	07	NONE
	PATIENT ROOM	CORRIDOR	014B	2'-6"	3'-10"		NO PANEL		NONE	HMS-BL-1X1B	VG-01		DCL
	TOILET	PATIENT ROOM	015	4'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	08A	DCL
	CORRIDOR	PATIENT ROOM	015A	3'-6"	7'-0"		WD-F		NONE	HMS-1	NONE	07A	NONE
	PATIENT ROOM - ACC	PATIENT ROOM - ACC	016	3'-8"	7'-0"		WD-F		NONE	HMS-1	NONE	08	DCL
AD-01	PATIENT ROOM - ACC	TOILET - ACC	016A	4'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	07	NONE
	CASE MANAGER OFFICE	ACC TOILET - STAFF	017	3'-0"	7'-0"		WD-NV		FG-11	HMS-1	NONE	05	DO-30
	ACC TOILET - STAFF	ACC TOILET - STAFF	018	3'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	06	DCL
	MEDS	NURSE REPORT ROOM	020	3'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	03B	DO-20-S
	CORRIDOR	INFECTION CONTROL - OFFICE	021	3'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	05	DO-20-S
	CORRIDOR	MEDS	022	3'-8"	7'-0"		WD-F		NONE	HMS-1	NONE	03A	DO-L
	CORRIDOR	NOURISH	023	3'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	03	DO-L
	CORRIDOR	CLEAN SUPPLY	024	3'-8"	7'-0"		WD-F		NONE	HMS-1	NONE	03	DO-45
	CORRIDOR	SOILED UTILITY	025	3'-8"	7'-0"		WD-F		NONE	HMS-1	NONE	03	DO-45
	CORRIDOR	EQUIPMENT	026	3'-8"	7'-0"		WD-F		NONE	HMS-1	NONE	03A	DO-45
	CORRIDOR	RESPIRATORY THERAPY	027	3'-8"	7'-0"		WD-F		NONE	HMS-1	NONE	03A	DO-L
	CORRIDOR	EVS	100A	3'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	04	DO-L
	CORRIDOR	ELEC	110A	3'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	04	DO-L
	IT		110C	3'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	04	DO-L
		CORRIDOR	111	7'-4"	7'-0"		WD-GH	WD-GH	FG-11	HMS-DE-1	NONE	02	DO-L
AD-01	CORRIDOR	CORRIDOR	127	7'-4"	7'-0"		WD-GH	WD-GH	FG-12	HMS-DE-1	NONE	02	DO-20-CC

This document may be an electronic file or may be printed from an electronic file provided to the user. It is the sole responsibility of the user to ensure that the content and quality is consistent with the content and quality of the original documents on file at BWBR.



Issued For

Item	Date
CD ISSUE	09/17/2025
AD-01	10/06/2025

This Sheet may be a Reduced Copy. The bar above is 1" long on a Full Size Sheet. Drawing Scales apply to Full Size Sheets.

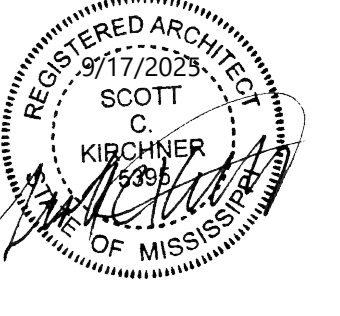
Comm. No. P-240014100
Drawn SF

Sheet Title: OPENING SCHEDULE, DOOR PANEL AND FRAME TYPES, STOREFRONT TYPES

Sheet No. 2.520

Copyright: BWBR

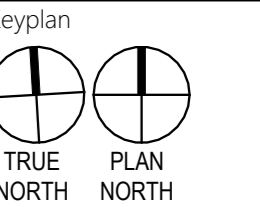
This document may be an electronic file or may be printed from an electronic file provided to the user. It is the sole responsibility of the user to ensure that the content and quality is consistent with the content and quality of the original documents on file at BWBR.



Issued For

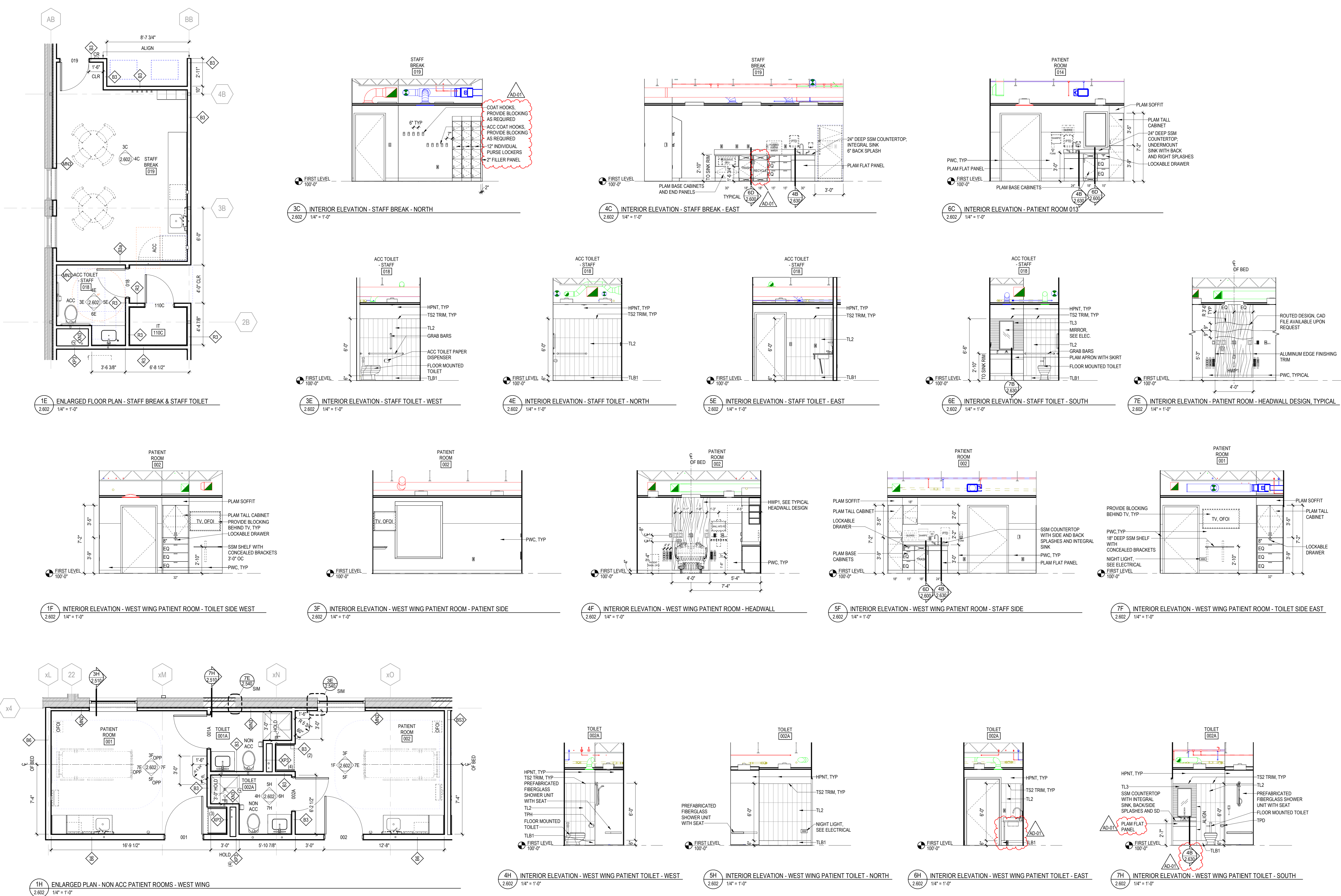
Item	Date
CD ISSUE	09/17/2025
AD-01	10/06/2025

This Sheet may be a Reduced Copy.
The bar above is 1" long on a Full Size Sheet.
Drawing Scales apply to Full Size Sheets.

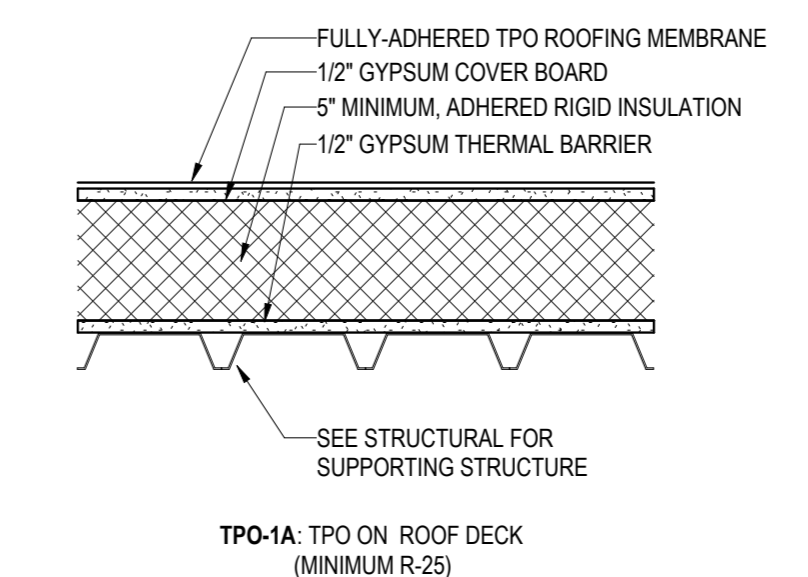


Comm. No. P240014100
Drawn SF
Sheet Title
1/4" PLANS, INTERIOR ELEVATIONS - STAFF BREAK, PATIENT ROOMS AND TOILETS
Sheet No.

2.602

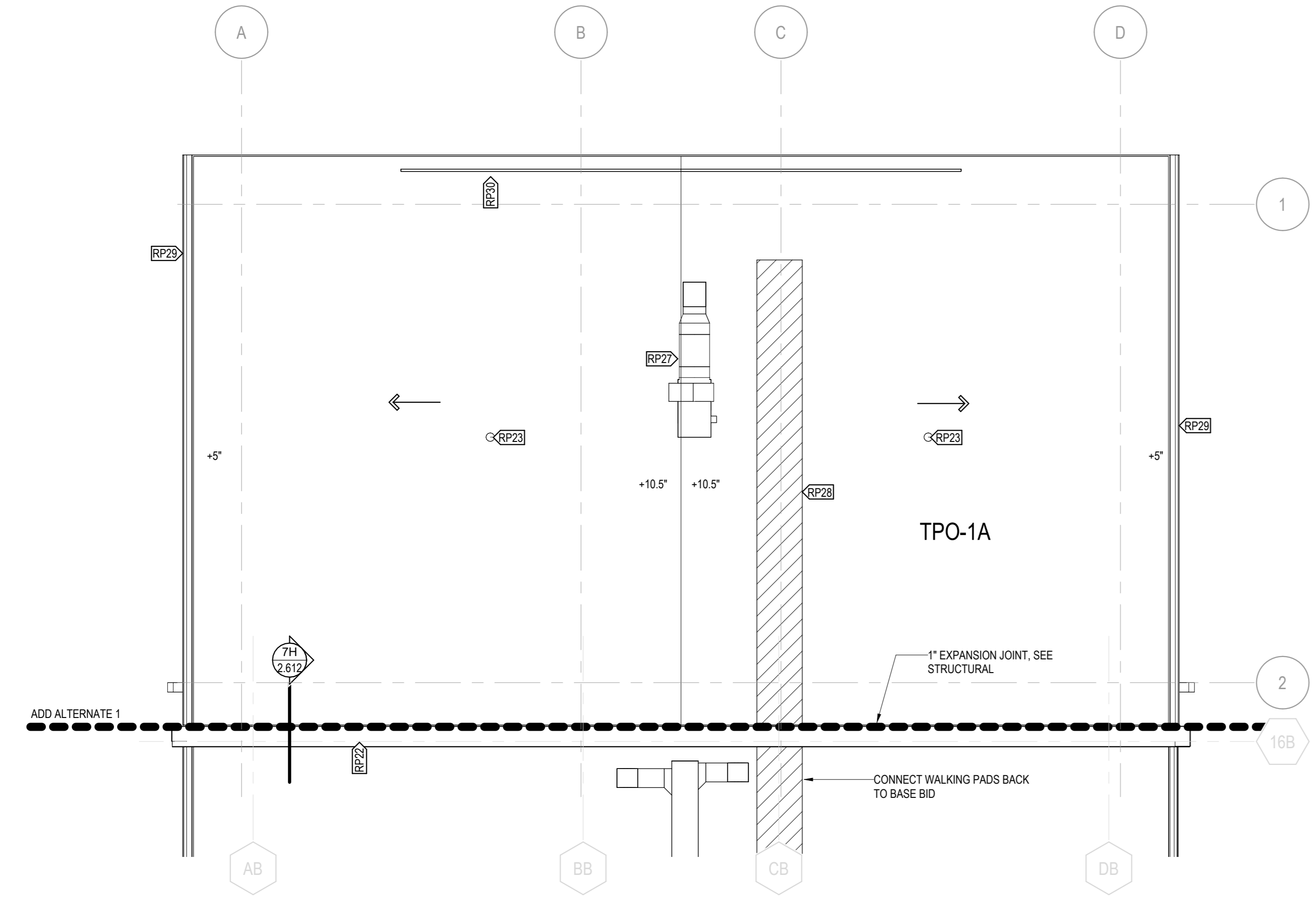


OPENING SCHEDULE													
REVISIONS FIRST LEVEL	ASSOCIATED ROOMS		OPENING			PANEL INFORMATION			FRAME INFORMATION			RATING	COMMENTS
	ROOM NAME	ROOM NAME	NUMBER	WIDTH	HEIGHT	ACTIVE PANEL WIDTH	PANEL TYPE	2ND PANEL TYPE	PANEL GLAZING	FRAME TYPE	FRAME GLAZING		
	CORRIDOR	ACC PATIENT ROOM	008	4'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	08A	ADD ALTERNATE 1
	ACC PATIENT TOILET	ACC PATIENT ROOM	008A	4'-0"	7'-8"		WD-F		NONE	HMS-40	NONE	07	ADD ALTERNATE 1
	ACC PATIENT ROOM	CORRIDOR	009	4'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	08A	ADD ALTERNATE 1
	ACC PATIENT TOILET	ACC PATIENT ROOM	009A	4'-0"	7'-8"		WD-F		NONE	HMS-40	NONE	07	ADD ALTERNATE 1
AD-01	CORRIDOR	ACC PATIENT ROOM	120A	7'-4"	7'-0"		HM-GH	HM-GH	NONE	HME-1A	NONE	01	ADD ALTERNATE 1



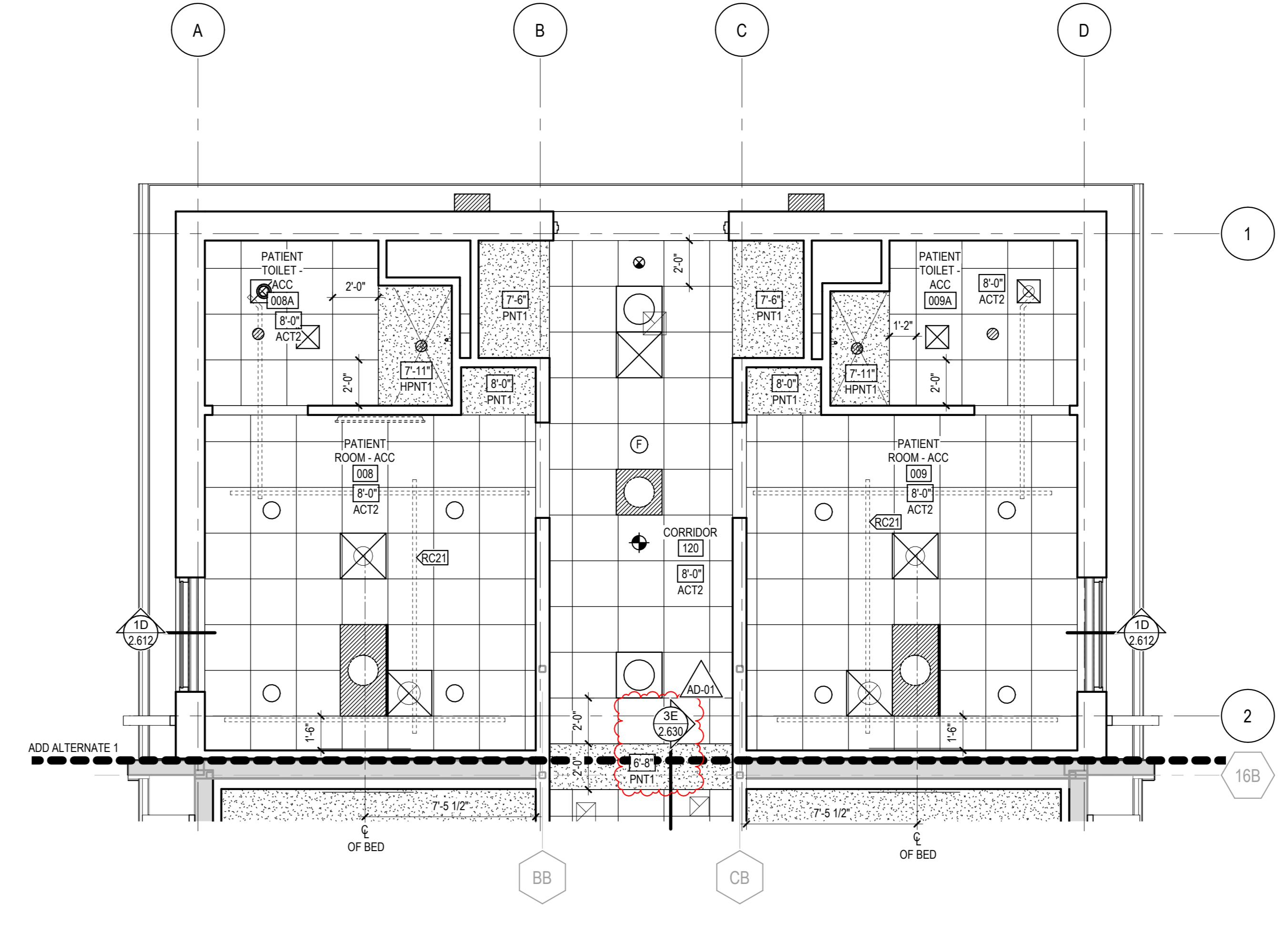
KEYNOTES - ROOF PLAN SCOPE 2	
REV	NOTE: NOT ALL KEYNOTES MAY BE USED ON EACH DRAWING
RP20	TIE ROOFING INTO EXISTING CONDITIONS. MATCH ELEVATION
RP21	STEEL SUPPORT STRUCTURE. SEE STRUCTURAL
RP22	EXISTING PARAPET TO BE RECORDED WITH NEW ROOFING
RP23	FLUE. SEE MECHANICAL
RP24	FAN. SEE MECHANICAL
RP25	EXISTING ROOF MOUNTED PIPING
RP26	AIR HANDLING UNIT. SEE MECHANICAL
RP27	ROOF MOUNTED DUCTWORK. SEE MECHANICAL
RP28	WALKWAY PADDING
RP29	GUTTER WITH DOWNSPOUTS. SEE EXTERIOR ELEVATIONS
RP30	FALL PROTECTION

KEYNOTES - REFLECTED CEILING PLAN SCOPE 2	
REV	NOTE: NON SEQUENTIAL KEYNOTES ARE INTENTIONAL. KEYNOTES BELOW RC20 MAY HAVE BEEN USED IN PREVIOUS BID PACKS
RC21	CEILING MOUNTED PATIENT LIFT. COORDINATE LOCATION WITH OWNER AND VENDOR. SEE STRUCTURAL



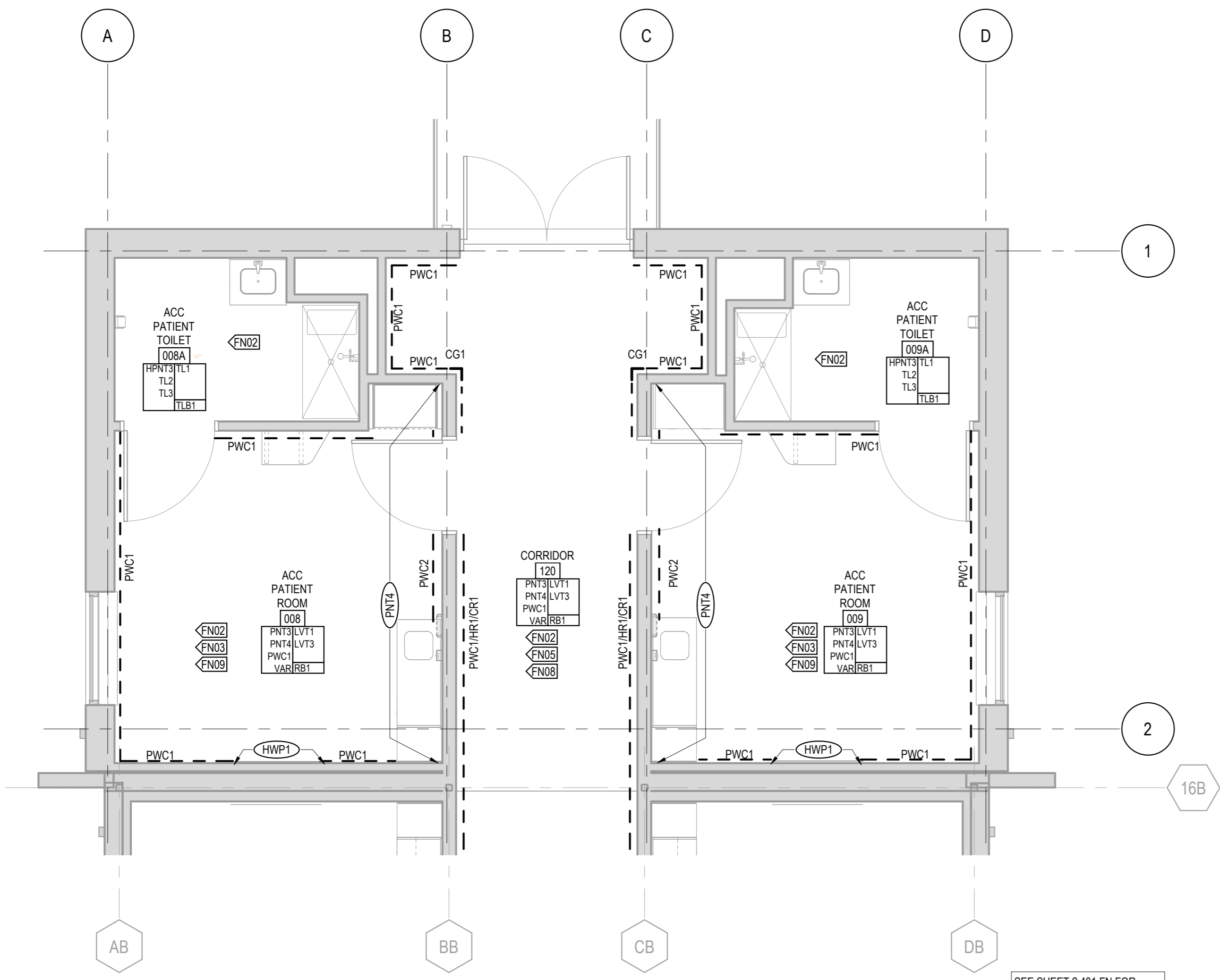
5D ROOF PLAN - ADD ALTERNATE 2.610 1/4" = 1'-0"

SEE SHEET 2.600 FOR SYMBOLS LEGENDS & NOTES



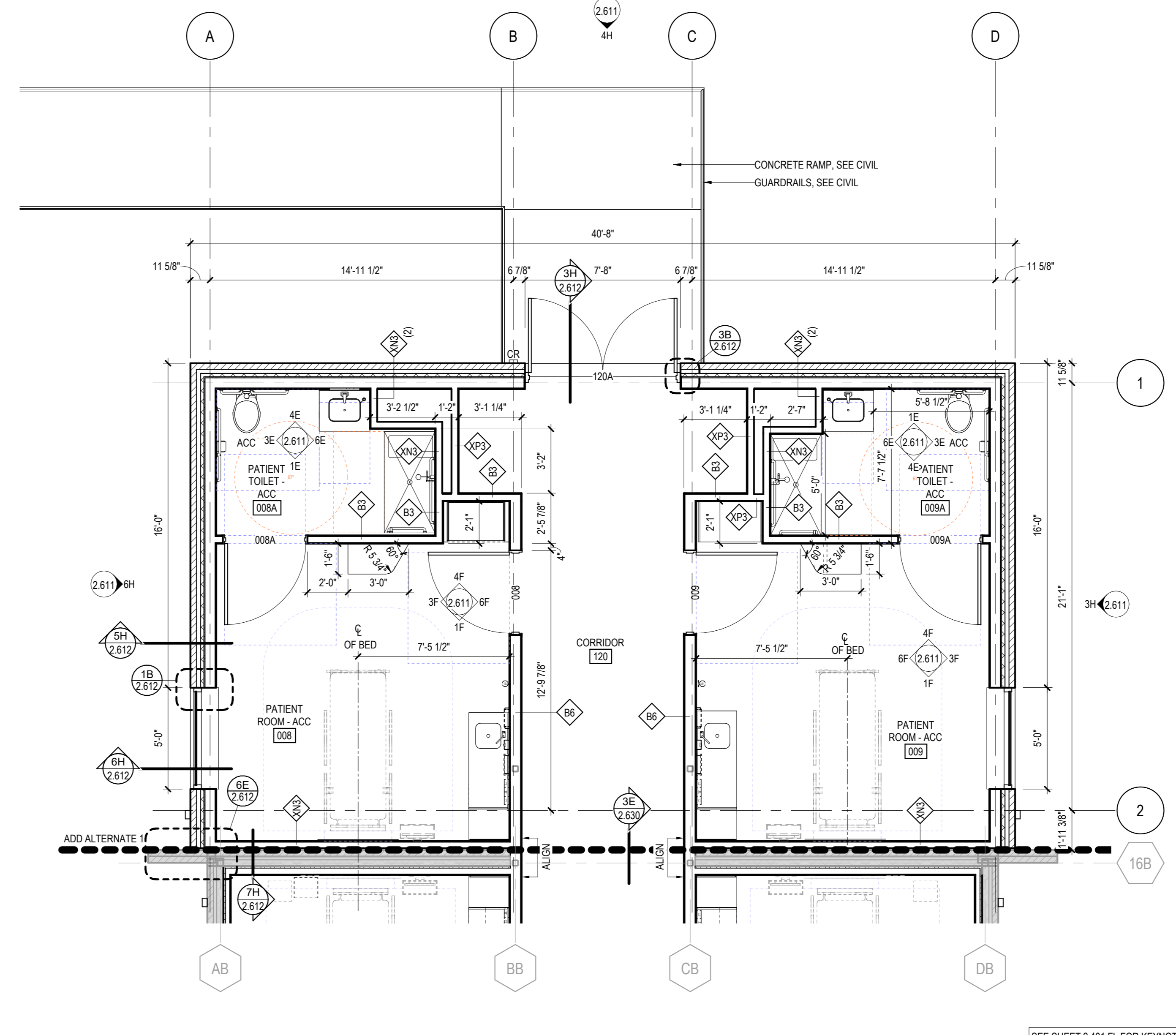
1H ENLARGED CEILING PLAN - ADD ALTERNATE 1 - ACC PATIENT ROOM ADDITION 2.610 1/4" = 1'-0"

SEE SHEET 2.401 RC FOR KEYNOTES, SYMBOLS LEGENDS, & NOTES



1E ENLARGED FINISH PLAN - ADD ALTERNATE 1 - ACC PATIENT ROOM ADDITION 2.610 1/4" = 1'-0"

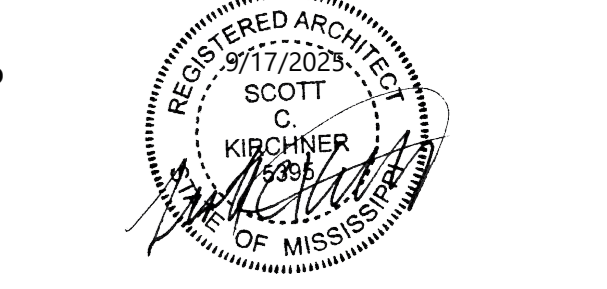
SEE SHEET 2.401 FN FOR SYMBOLS LEGENDS & NOTES



5H ENLARGED FLOOR PLAN - ADD ALTERNATE 1 - ACC PATIENT ROOM ADDITION 2.610 1/4" = 1'-0"

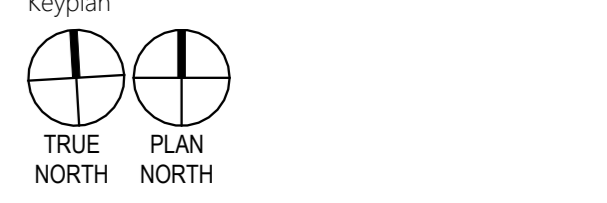
SEE SHEET 2.401 FL FOR KEYNOTES, SYMBOLS LEGENDS, & NOTES

This document may be an electronic file or may be printed from an electronic file provided to the user. It is the sole responsibility of the user to ensure that the content and quality is consistent with the content and quality of the original documents on file at BWBR.



Item	Date
CD ISSUE	09/17/2025
AD-01	10/06/2025

This Sheet may be a Reduced Copy. The bar above is 1" long on a Full Size Sheet. Drawing Scales apply to Full Size Sheets.



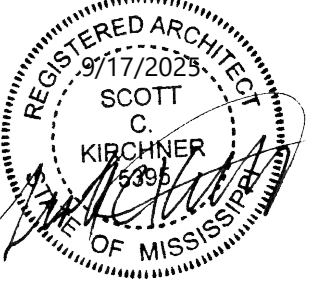
Comm. No. P240014100 Drawn SDF

Sheet Title: ADD ALTERNATE - 1/4" PLAN, RCP, ROOF PLAN, AND FINISH PLAN, OPENING SCHEDULE

Sheet No.

2.610

This document may be an electronic file or may be printed from an electronic file provided to the user. It is the sole responsibility of the user to ensure that the content and quality is consistent with the content and quality of the original documents on file at BWBR.



Issued For

Item	Date
CD ISSUE	09/17/2025
AD-01	10/06/2025

This Sheet may be a Reduced Copy. The bar above is 1" long on a Full Size Sheet. Drawing Scales apply to Full Size Sheets.

Keyplan

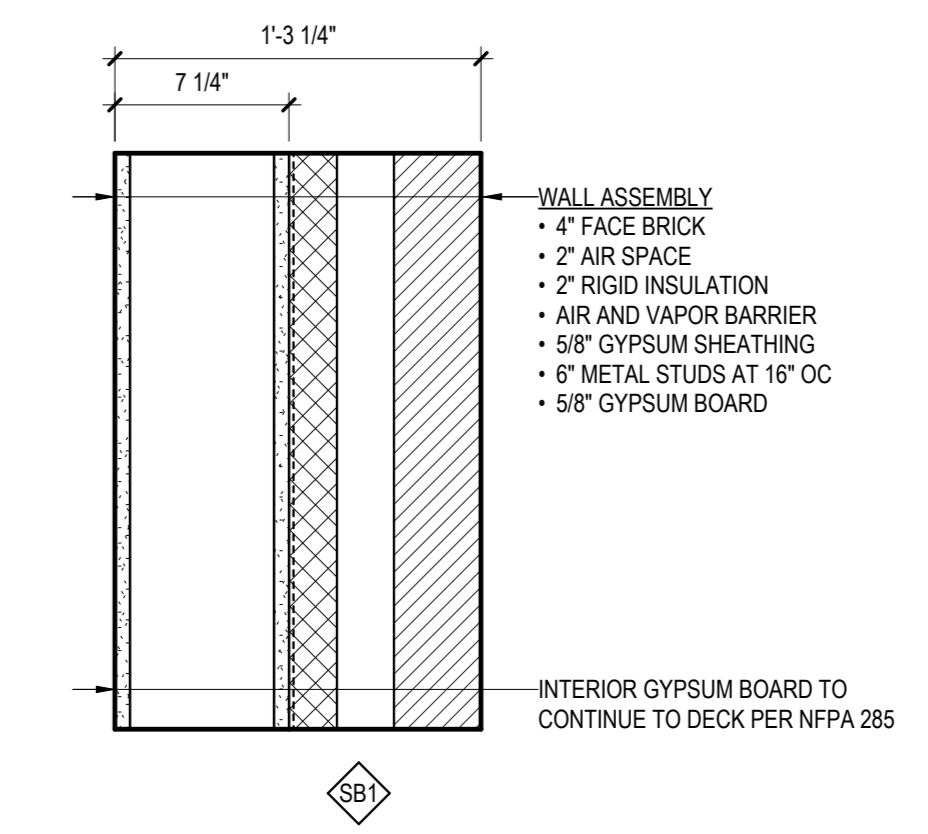
Comm. No. P-2400141.00
Drawn SF

Sheet Title
ADD ALTERNATE - INTERIOR AND EXTERIOR ELEVATIONS, WALL TYPES

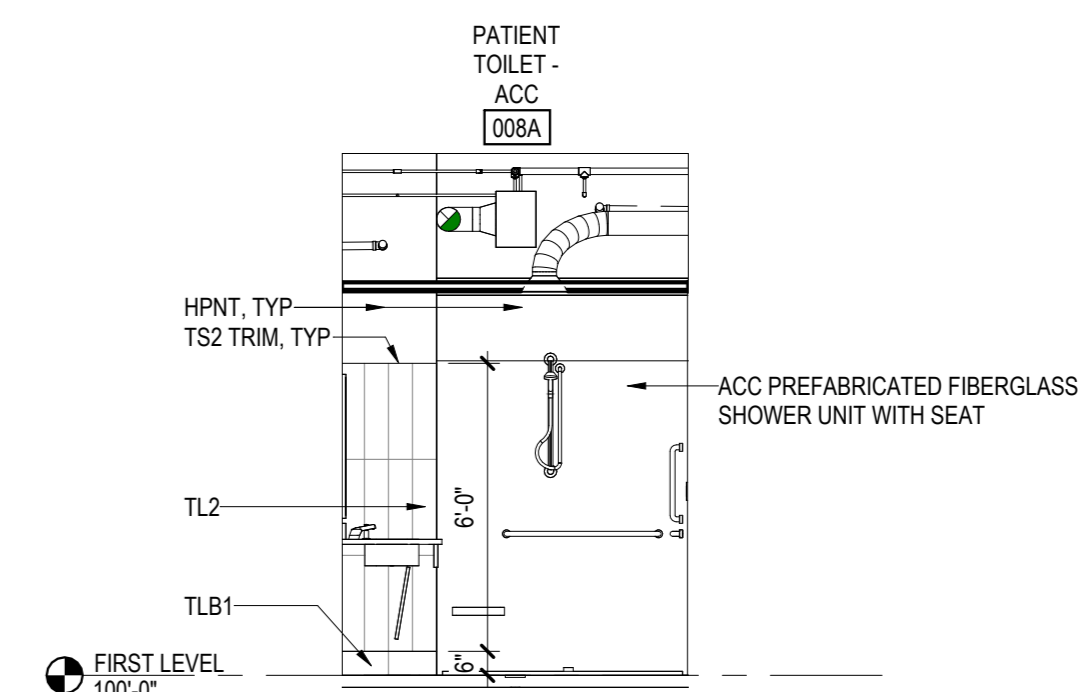
Sheet No.

2.611

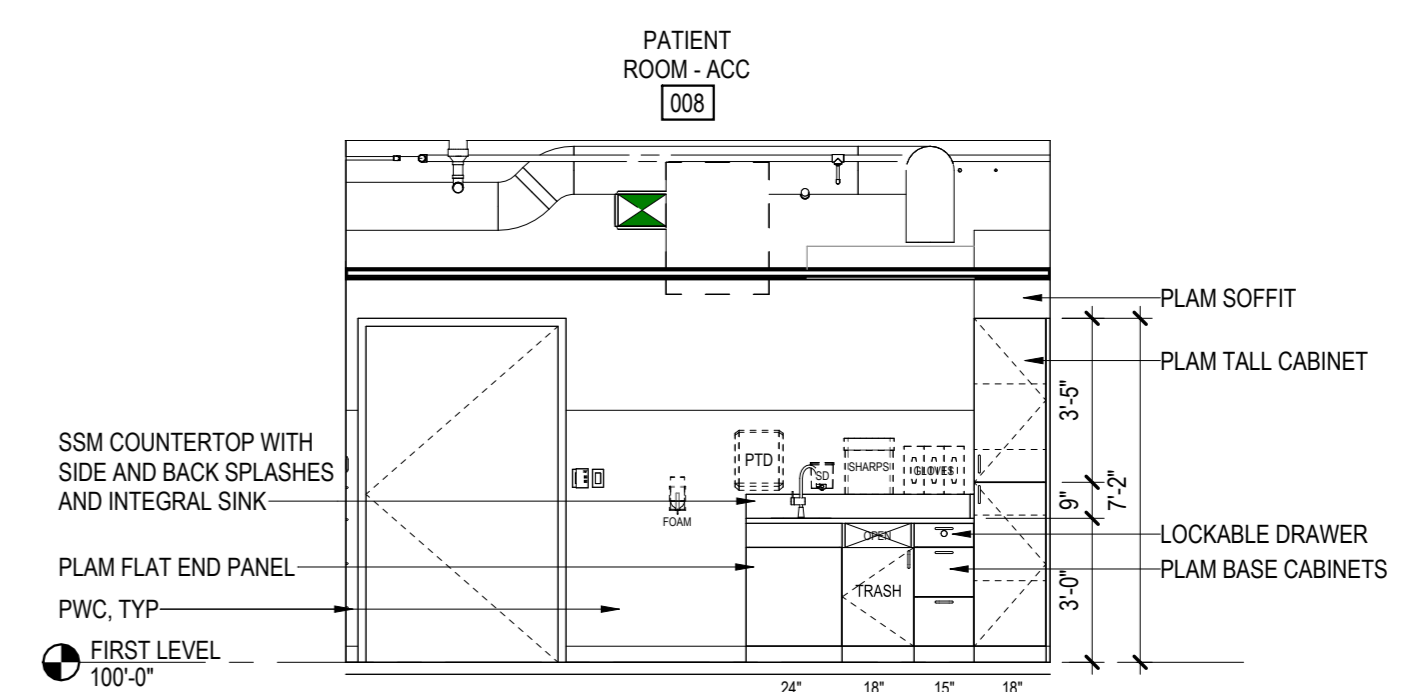
Copyright BWBR



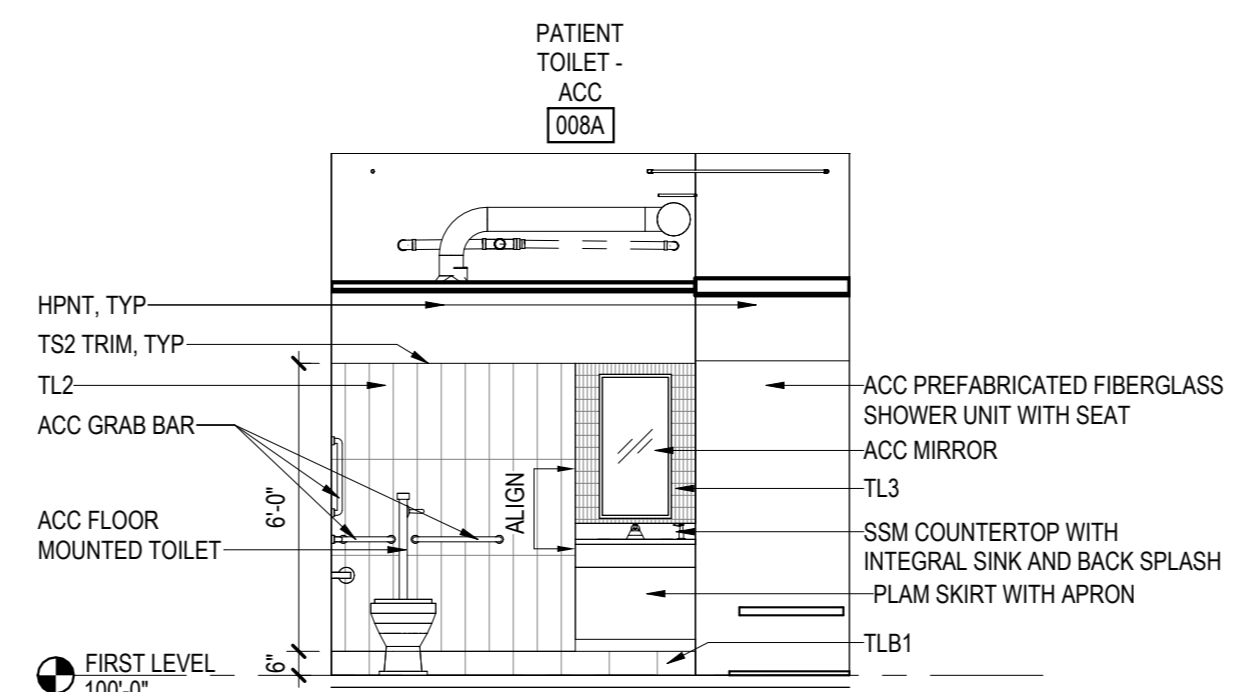
EXTERIOR WALL TYPES
1 1/2" = 1'-0"



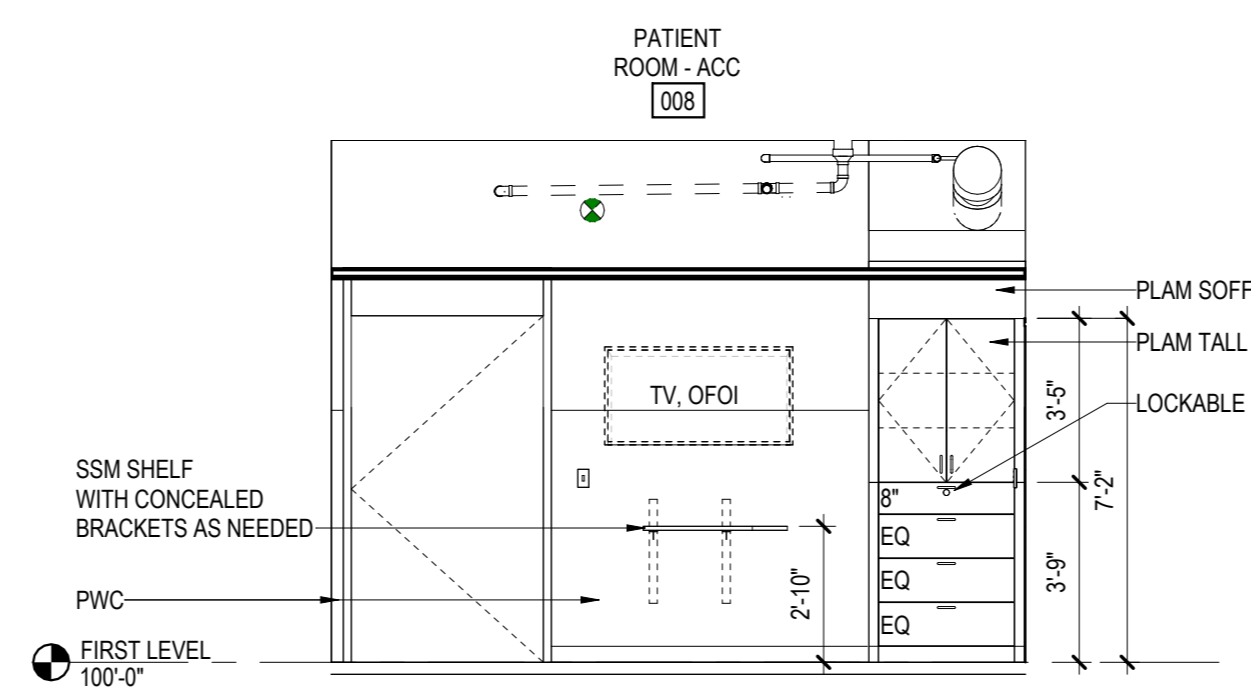
6E INTERIOR ELEVATION - ADD ALTERNATE - PATIENT TOILET - EAST
2.611 1/4" = 1'-0"



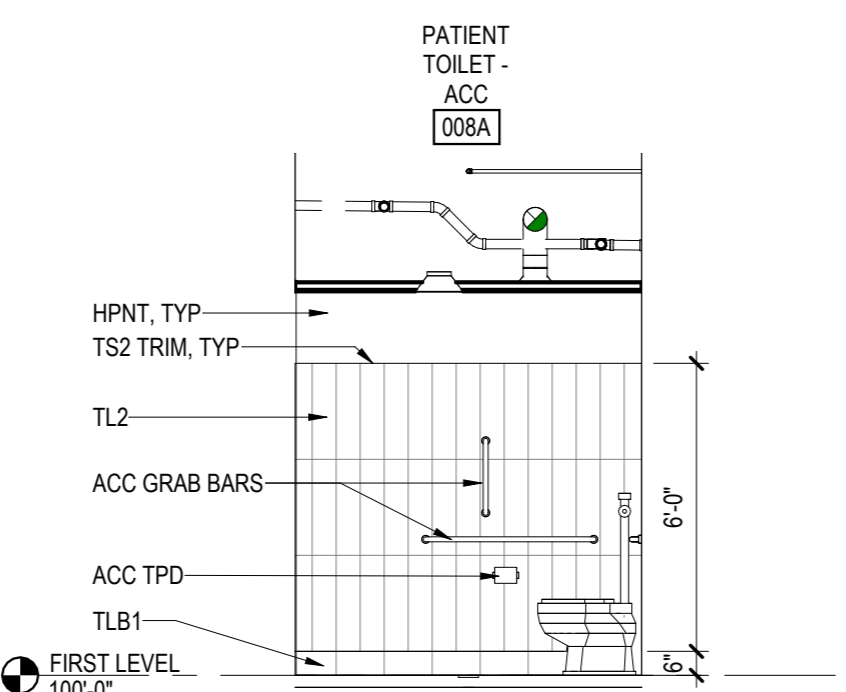
6F INTERIOR ELEVATION - ADD ALTERNATE - PATIENT ROOM - EAST
2.611 1/4" = 1'-0"



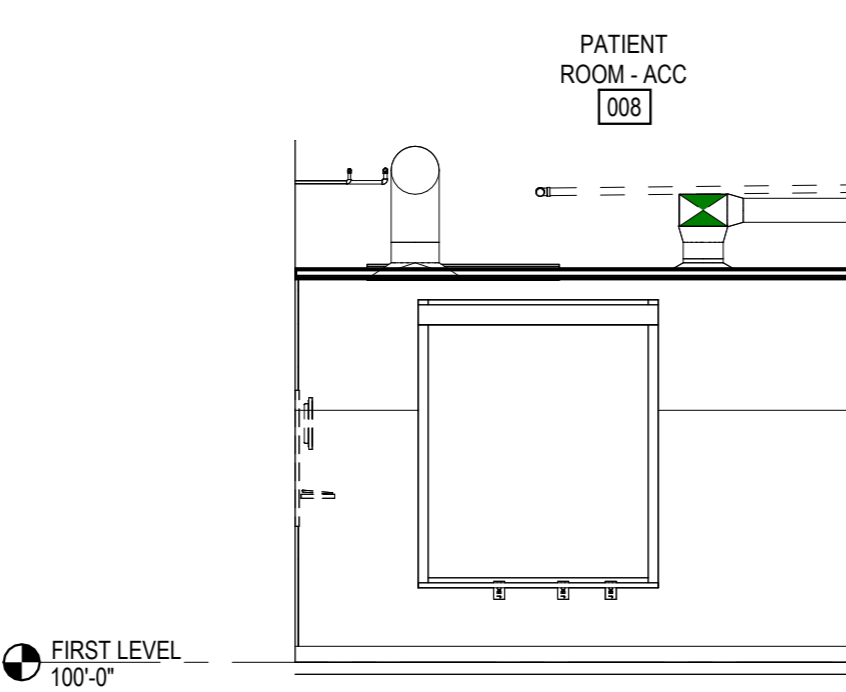
4E INTERIOR ELEVATION - ADD ALTERNATE - PATIENT TOILET - NORTH
2.611 1/4" = 1'-0"



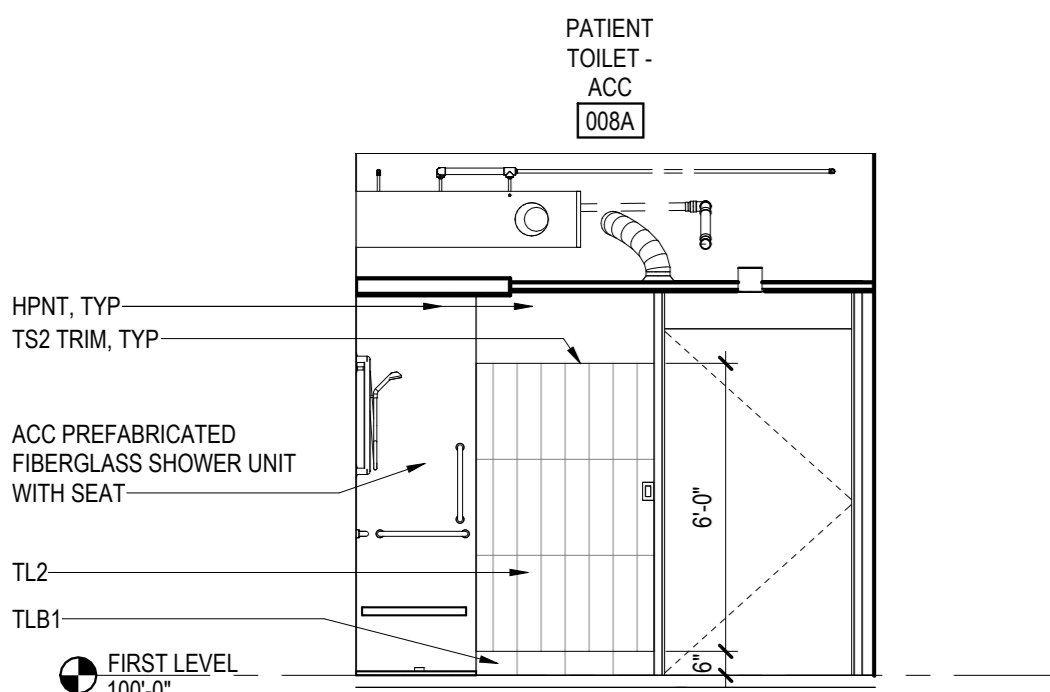
4F INTERIOR ELEVATION - ADD ALTERNATE - PATIENT ROOM - NORTH
2.611 1/4" = 1'-0"



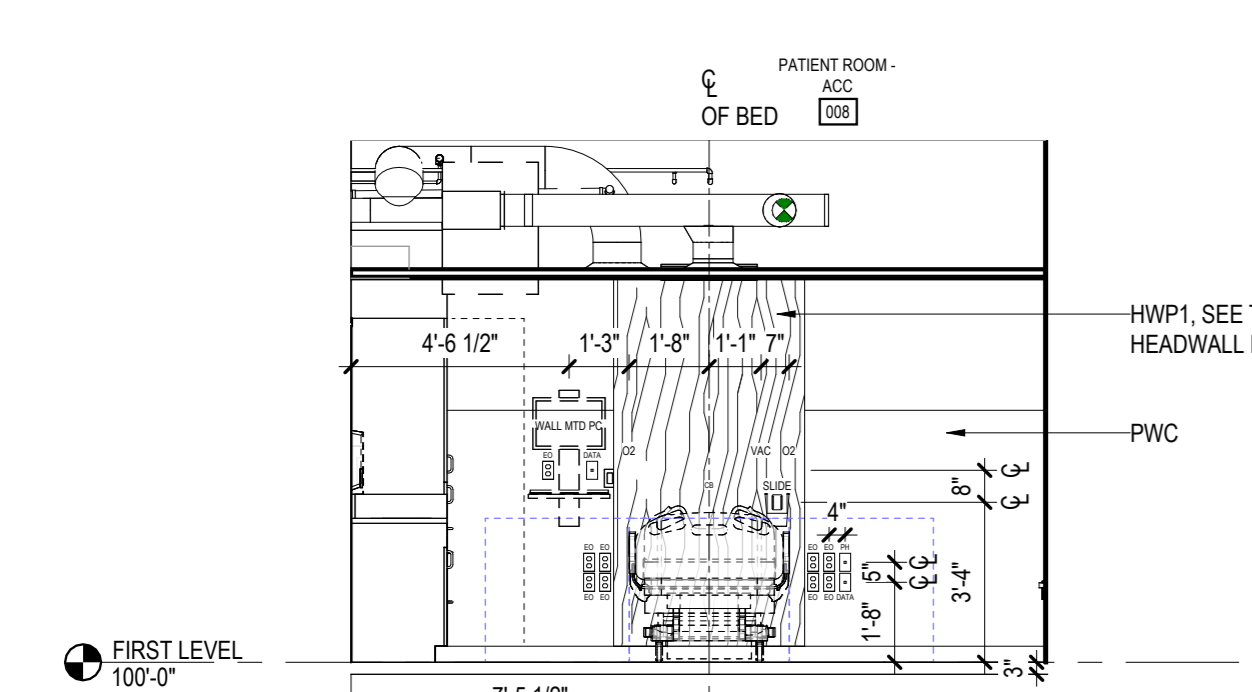
3E INTERIOR ELEVATION - ADD ALTERNATE - PATIENT TOILET - WEST
2.611 1/4" = 1'-0"



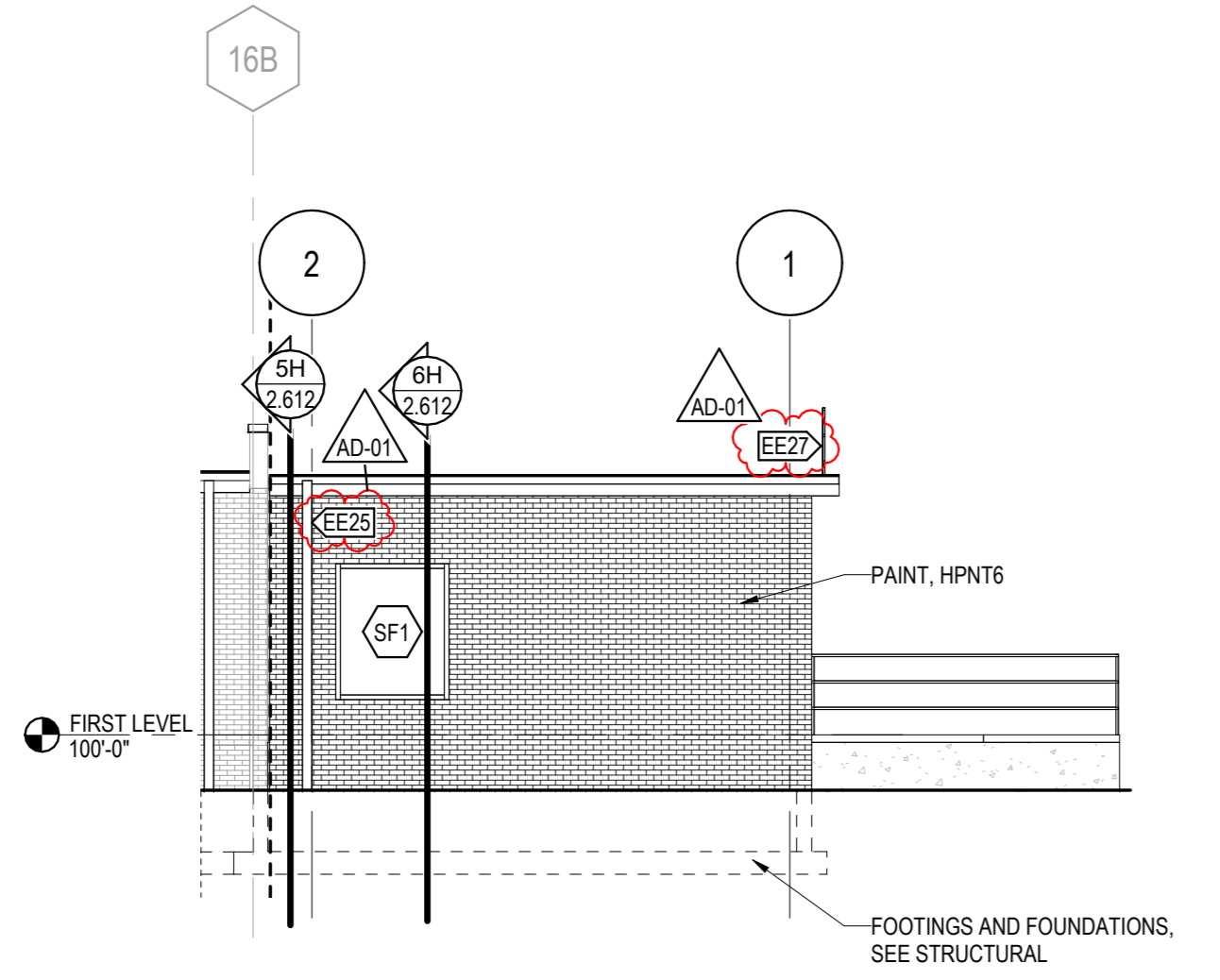
3F INTERIOR ELEVATION - ADD ALTERNATE - PATIENT ROOM - WEST
2.611 1/4" = 1'-0"



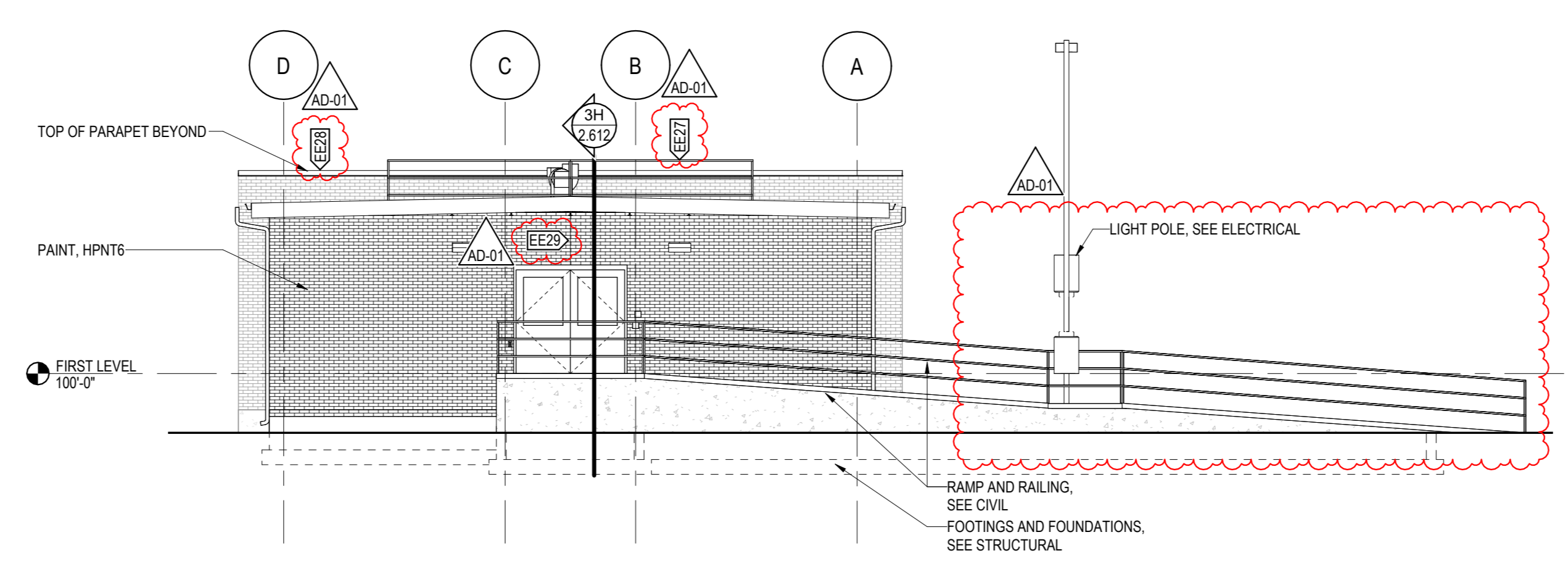
1E INTERIOR ELEVATION - ADD ALTERNATE - PATIENT TOILET - SOUTH
2.611 1/4" = 1'-0"



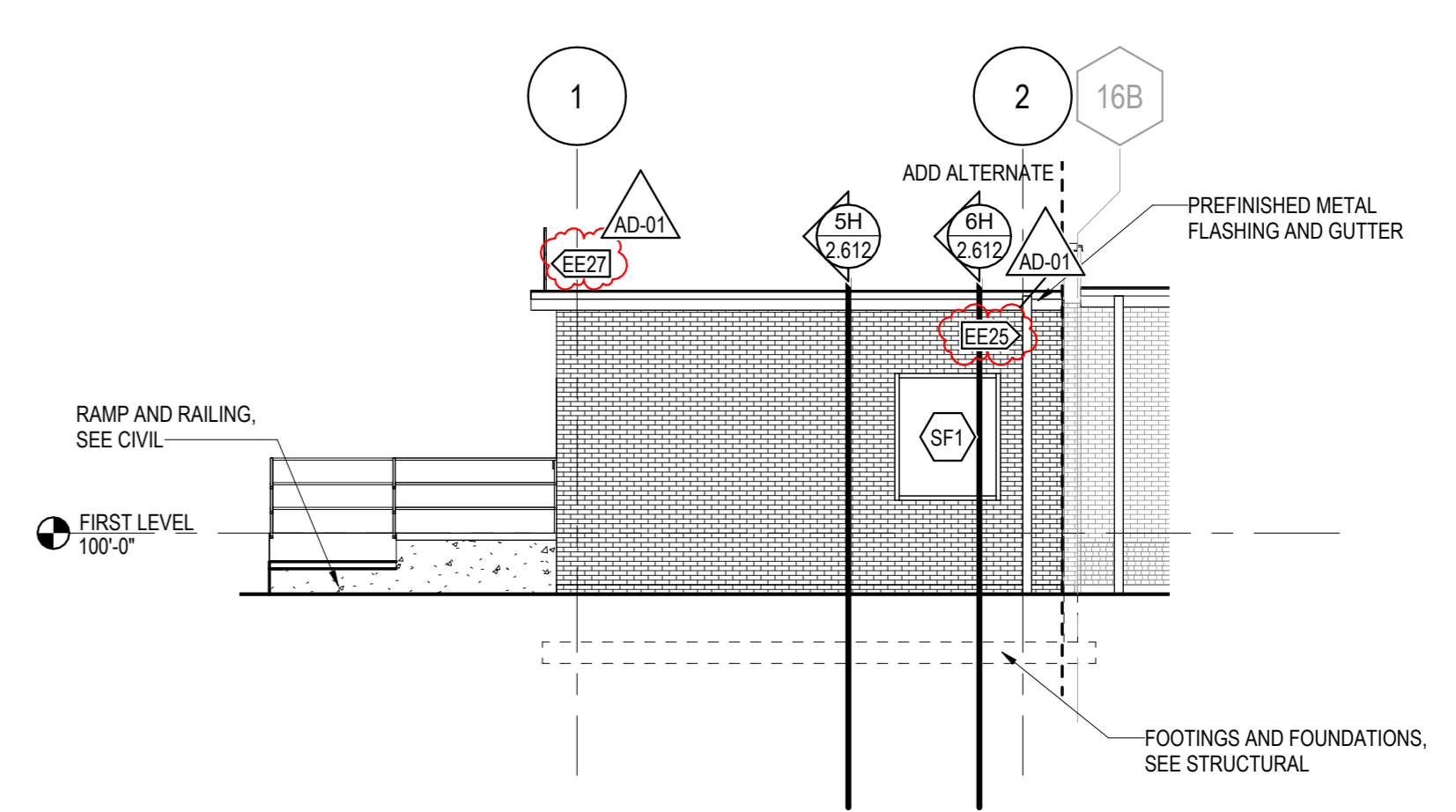
1F INTERIOR ELEVATION - ADD ALTERNATE - PATIENT ROOM - SOUTH
2.611 1/4" = 1'-0"



3H EXTERIOR ELEVATION - ADD ALTERNATE - EAST
2.611 1/8" = 1'-0"



4H EXTERIOR ELEVATION - ADD ALTERNATE - NORTH
2.611 1/8" = 1'-0"



6H EXTERIOR ELEVATION - ADD ALTERNATE - WEST
2.611 1/8" = 1'-0"

SEE SHEET 2.610 FOR KEYNOTES, SYMBOLS LEGENDS, & NOTES

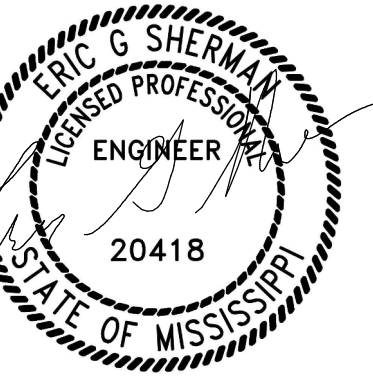
GENERAL NOTES:

- MECHANICAL SYMBOLS AND ABBREVIATIONS SHEET GENERAL NOTES APPLY TO ALL SHEETS.
- ON DEMOLITION PLANS, EXISTING MECHANICAL SYSTEMS TO BE REMOVED ARE SHOWN HATCHED AND/OR DASHED. EXISTING MECHANICAL SYSTEMS TO REMAIN ARE SHOWN LIGHT LINE WEIGHT. ON ALL OTHER PLANS, NEW MECHANICAL SYSTEMS ARE INDICATED WITH HEAVY LINE WEIGHTS.
- UNLESS NOTED OTHERWISE, DETAILS SHOWN WITHIN THESE DOCUMENTS ARE APPLICABLE FOR ALL PIPING, EQUIPMENT AND DUCTWORK INSTALLATIONS WHETHER OR NOT SPECIFICALLY NOTED.
- THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR THE MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THIS WORK.
- FOR EACH INDIVIDUAL DIFFUSER, REGISTER, AND GRILLE PROVIDE VOLUME DAMPER AT BRANCH TAKEOFF. WHEREVER POSSIBLE, LOCATE VOLUME DAMPER ABOVE ACCESSIBLE CEILING. WHERE VOLUME DAMPERS ARE LOCATED ABOVE GYP BOARD CEILING, PROVIDE CABLE OPERATED DAMPER WITH CEILING PLUG.
- EXTEND AND CONNECT HWSR BRANCH PIPING TO EACH VAV BOX, 3/4" FOR LESS THAN 4 GPM AND 1" FOR 4 GPM TO 8 GPM.

SHEET NOTES:

- PROVIDE ROOF MOUNTED DUCT SUPPORTS. MICRO DUCT SUPPORTS OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE 0.5 GPM AUTOMATIC BALANCING VALVE WITH ISOLATION VALVES.

This document may be an electronic file or may be printed from an electronic file provided to the user. It is the sole responsibility of the user to ensure that the content and quality is consistent with the content and quality of the original documents on file at BWBR.

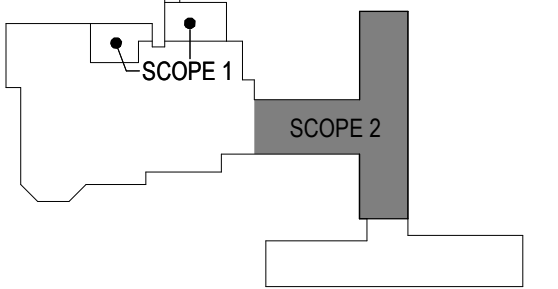
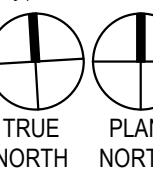


Issued For

Item	Date
CD ISSUE	09/17/2025
AD-01	10/06/2025

This Sheet may be a Reduced Copy. The bar above is 1" long on a Full Size Sheet. Drawing Scales apply to Full Size Sheets.

Keyplan

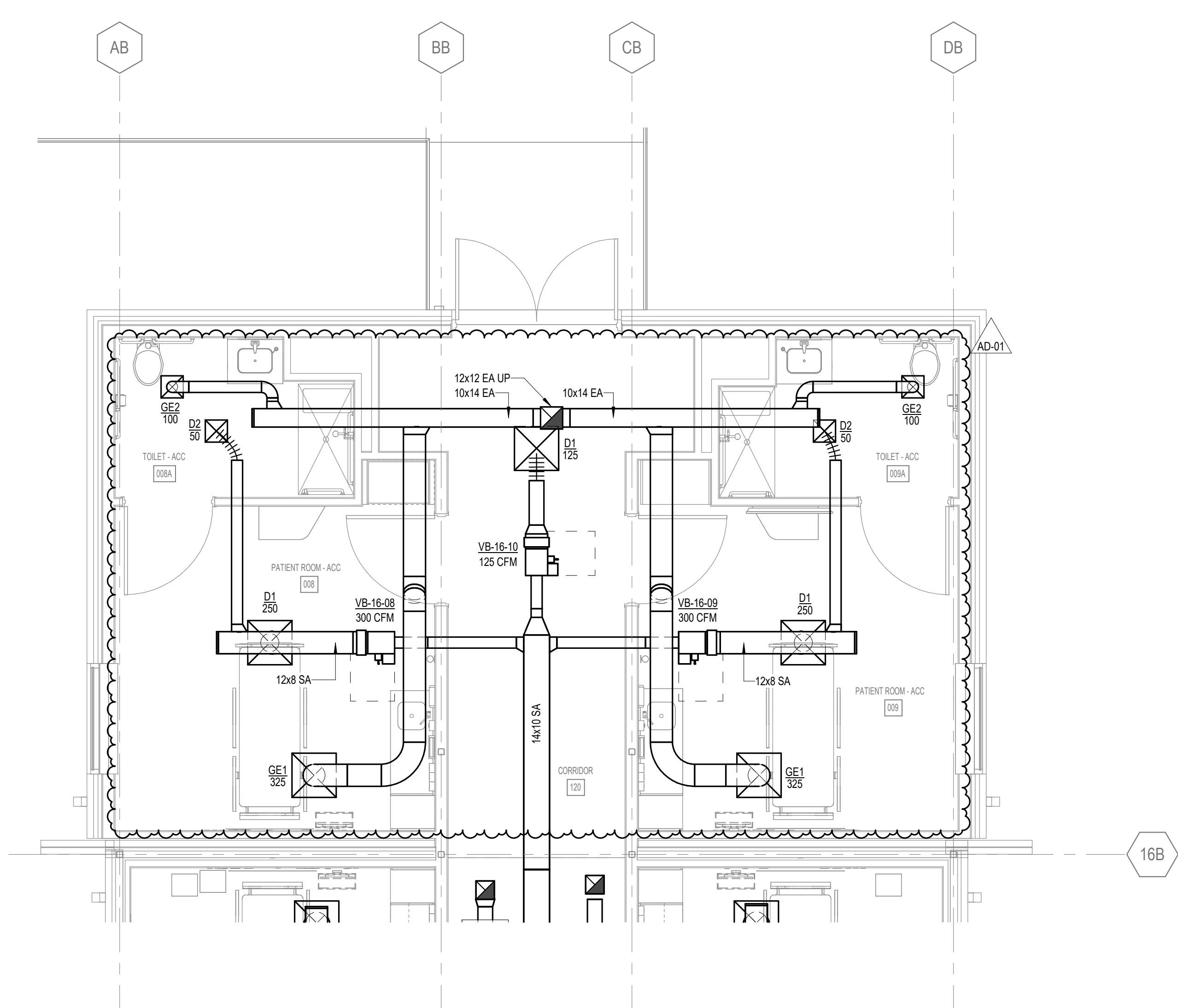


Comm. No. P-2400141.00
Drawn CPB

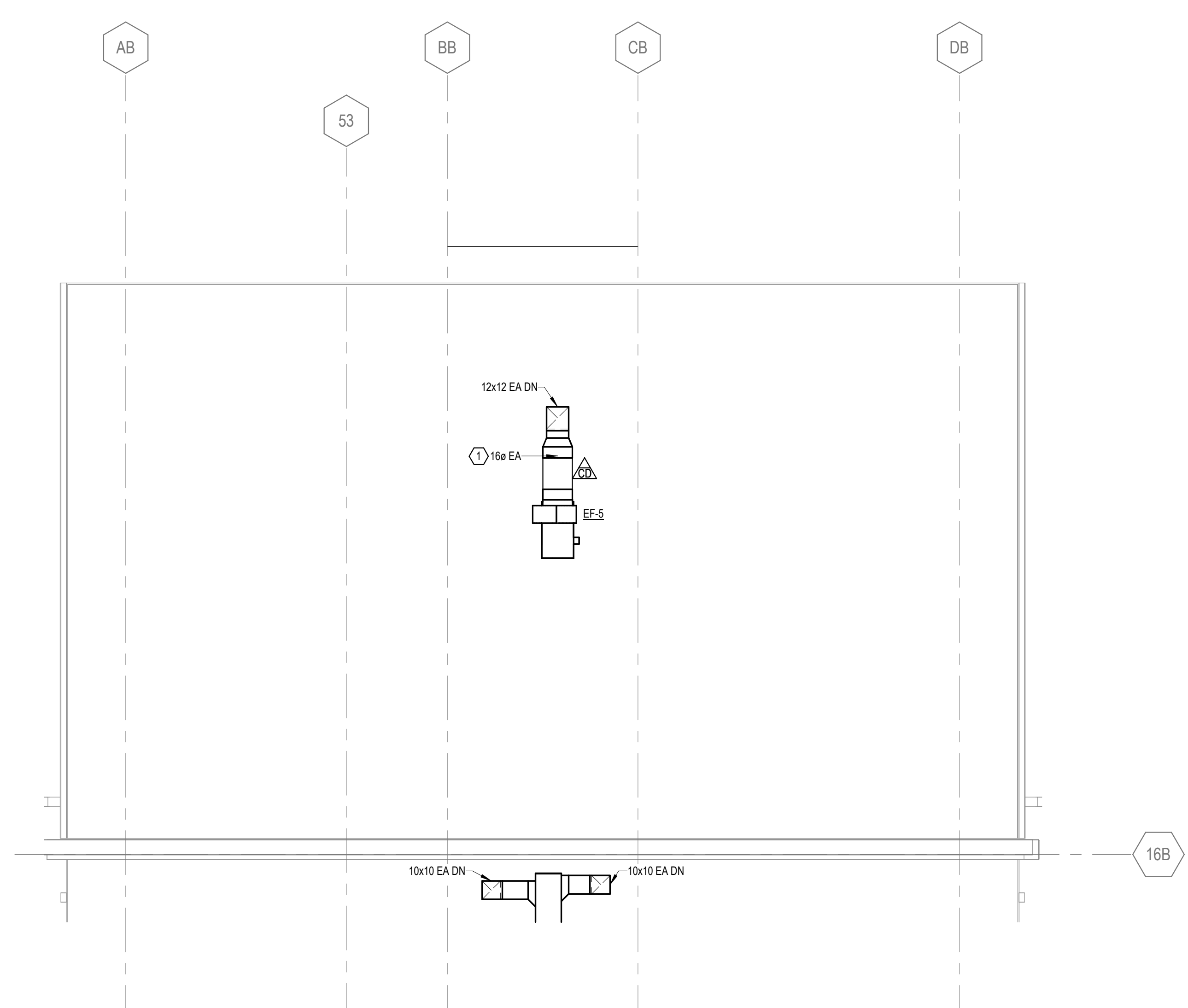
Sheet Title: MECHANICAL ENLARGED PLAN - ADD ALTERNATE

Sheet No. 2.831

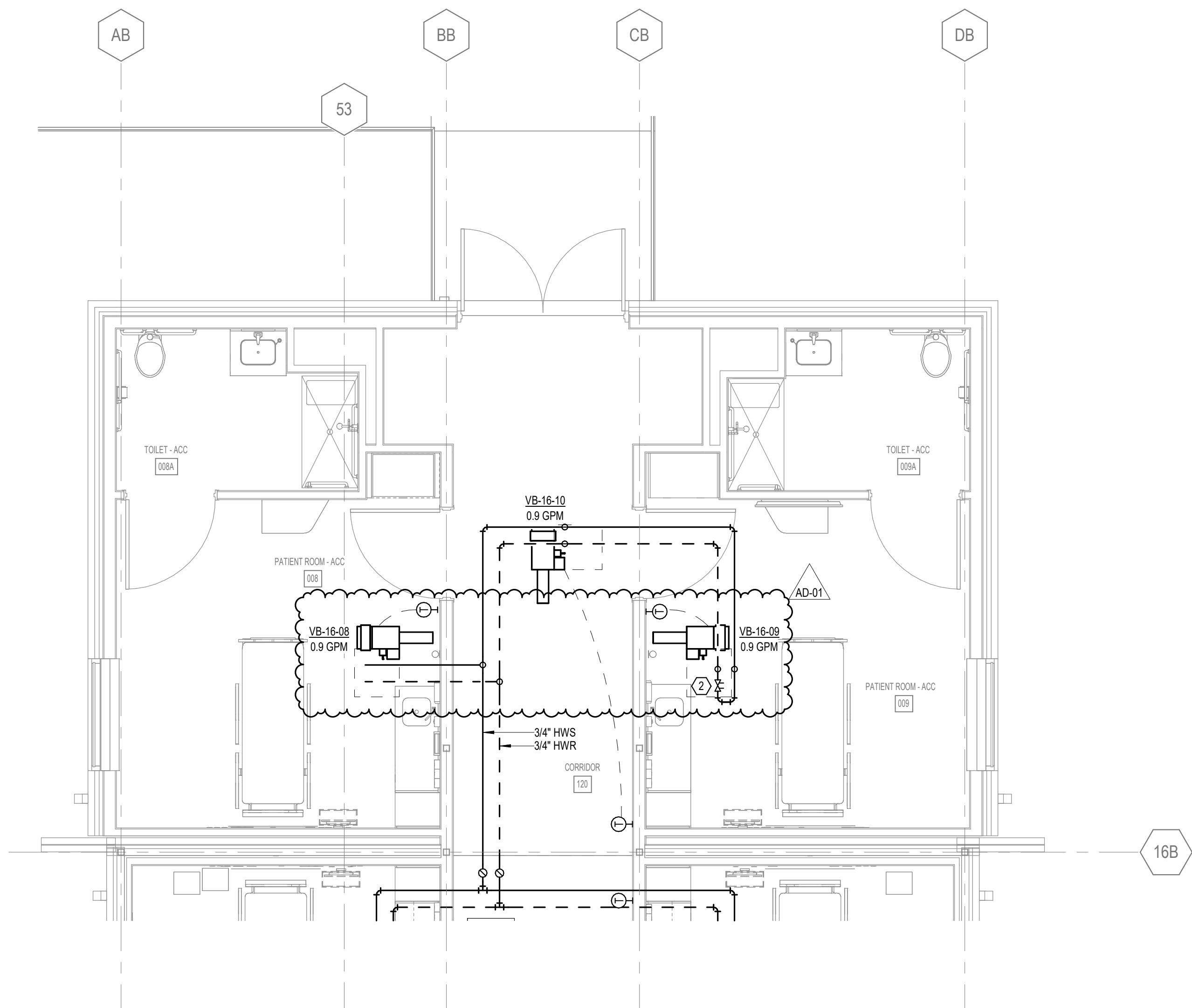
2025 © COPYRIGHT
PERMISSION TO REPRODUCE ANY PART OF THIS DOCUMENT IS HEREBY GRANTED SOLELY FOR THE PURPOSE OF THE CONSTRUCTION OF THE PROJECT OR THE ARCHIVING OF THIS PROJECT. UNAUTHORIZED USE OF THIS DOCUMENT WITHOUT THE WRITTEN PERMISSION OF SPECIALIZED ENGINEERING SOLUTIONS IS PROHIBITED BY COPYRIGHT LAW.
DO NOT SCALE DRAWING. ALL DIMENSIONS AND CLEARANCES SHALL BE VERIFIED FROM APPROPRIATE SOURCES. ALL WORK SHALL BE COORDINATED PRIOR TO INSTALLATION. SEE SPECIFICATIONS.
SPECIALIZED ENGINEERING SOLUTIONS
10360 Elison Circle
Omaha, NE 68134
Phone: 402.991.5520
www.specializedeng.com
SES PROJECT # 24304.001



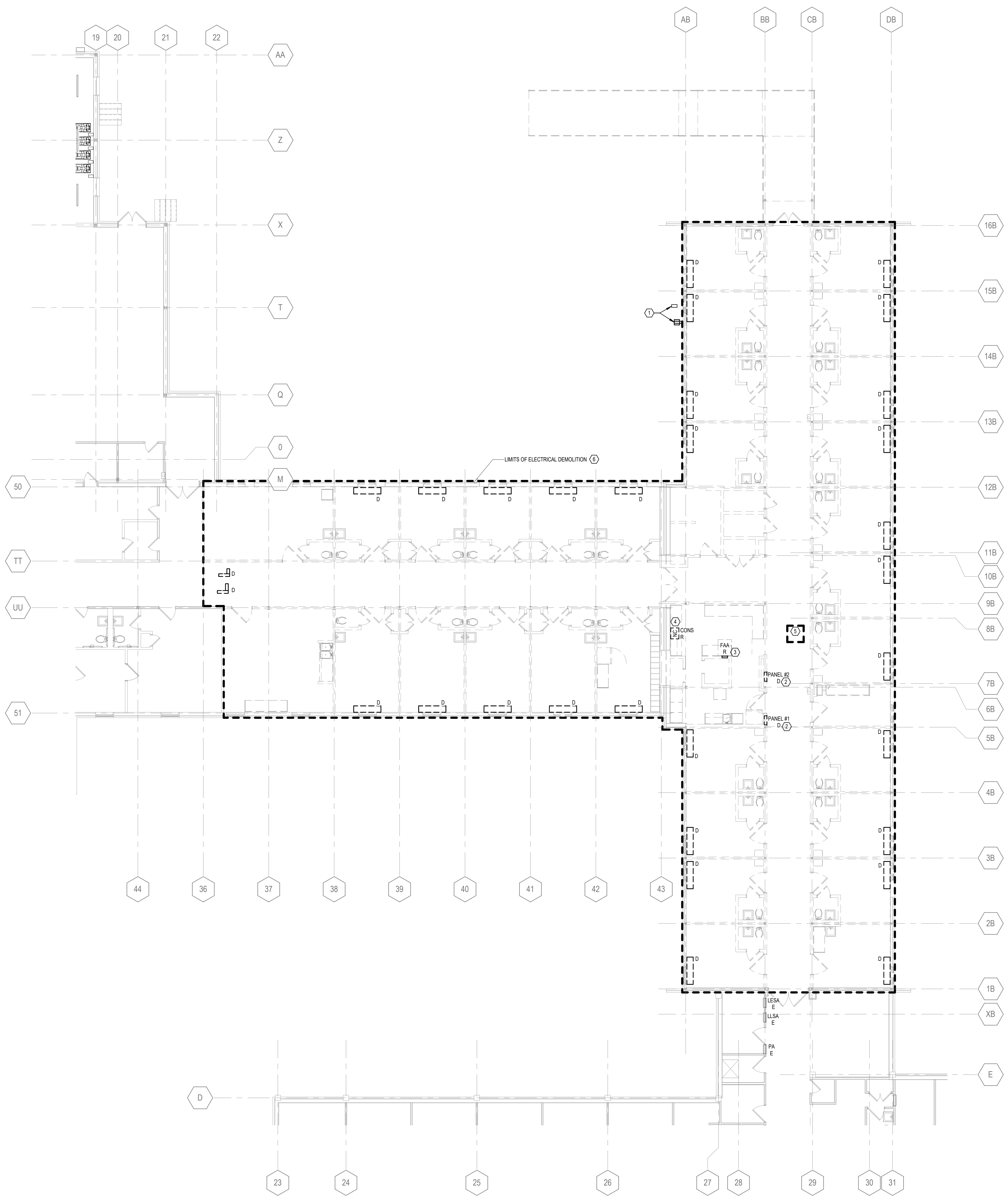
1D ENLARGED FLOOR PLAN - ADD ALTERNATE 1 - DUCTWORK
2.831 1/4" = 1'-0"



3D ENLARGED ROOF PLAN - ADD ALTERNATE 1 - MECHANICAL
2.831 1/4" = 1'-0"



1G ENLARGED FLOOR PLAN - ADD ALTERNATE 1 - HYDRONIC PIPING
2.831 1/4" = 1'-0"



ELECTRICAL DEMOLITION GENERAL NOTES:
 (ELECTRICAL DEMOLITION NOTES APPLY TO ALL ELECTRICAL DEMOLITION PLANS AND ALL ELECTRICAL DEMOLITION WORK)

- THE INTENT OF THE DEMOLITION DRAWINGS IS TO DEFINE THE SCOPE OF ELECTRICAL DEMOLITION WORK. EXISTING ELECTRICAL SYSTEMS (DEVICES, FIXTURES, EQUIPMENT, WIRING, AND RACEWAYS INCLUDING DATA/COMMUNICATION SYSTEMS), EXISTING ELECTRICAL SYSTEMS SERVING ADJACENT AREAS SHALL REMAIN UNLESS OTHERWISE INDICATED. RE-SUPPORT EXISTING CONDUITS AND CABLES THAT MUST REMAIN. REFER TO FLOORPLANS FOR INDICATION OF DEMOLITION TYPE FOR EACH AREA:
 - BLANKET DEMOLITION AREAS
 - EXISTING ELECTRICAL SYSTEMS WITHIN LIMITS OF DEMOLITION SHALL BE REMOVED UNLESS OTHERWISE INDICATED.
- SELECTIVE DEMOLITIONS AREAS:
 - PROVIDE DEMOLITION FOR ITEMS AS SHOWN. EXISTING ELECTRICAL SYSTEMS WITHIN LIMITS OF DEMOLITION SHALL REMAIN UNLESS OTHERWISE INDICATED.
- ITEMS INDICATED WITH A SUBSCRIPT 'E' SHALL BE EXISTING TO REMAIN (E-EXISTING). ITEMS INDICATED WITH A SUBSCRIPT 'D' OR SHOWN DASHED SHALL BE REMOVED (D-DEMOLITION). ITEMS INDICATED WITH A SUBSCRIPT 'R' SHALL BE REMOVED, STORED, AND REINSTALLED PER NEW WORK (R-RELOCATION).
- THESE DRAWINGS DO NOT IDENTIFY EACH INDIVIDUAL ITEM TO BE REMOVED. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ITEMS WHICH MUST BE REMOVED TO FACILITATE NEW CONSTRUCTION. SEE ARCHITECTURAL PLANS FOR EXACT LIMITS OF DEMOLITION AND CONSTRUCTION. THESE PLANS ARE BASED ON PAST PROJECT DRAWINGS AND SITE OBSERVATIONS. THE DRAWINGS ARE PROVIDED TO THE CONTRACTOR AS AN AID IN DETERMINING THE EXTENT OF WORK REQUIRED FOR DEMOLITION AND TO PROVIDE GENERAL INFORMATION ABOUT EXISTING SYSTEMS. THESE DRAWINGS MAY NOT BE ACCURATE IN ALL AREAS. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS AND IS ENCOURAGED TO REVIEW FACILITY DRAWINGS PRIOR TO THE BID DATE.
- THE OWNER SHALL HAVE FIRST SALVAGE RIGHTS TO ALL ITEMS REMOVED. IF OWNER REFUSES SALVAGE, CONTRACTOR IS RESPONSIBLE FOR DISPOSAL.
- WHERE EXISTING WALLS ARE TO BE REMOVED, ALL ASSOCIATED ELECTRICAL EQUIPMENT SHALL BE REMOVED, DISCONNECT POWER SO THAT DEVICES AND EQUIPMENT MAY BE REMOVED WITH WALLS. SEE ARCHITECTURAL DRAWINGS FOR WALLS TO BE REMOVED. ABANDON CONCEALED CONDUITS WHERE WALLS ARE NOT REMOVED. CONCEALED CONDUITS MAY BE REUSED WHERE AVAILABLE. WHERE EXISTING CIRCUITING/CABLING IS TO BE DEMOLISHED AND NOT REUSED, REMOVE CONDUITORS AND ASSOCIATED ACCESSIBLE RACEWAYS/CONDUIT BACK TO THE SOURCE. WHERE EXISTING ELECTRICAL CONDUITS SERVING CIRCUITS TO BE DEMOLISHED ARE EMBEDDED IN CONCRETE FLOORS OR WALLS, CONDUITS MAY BE ABANDONED IN PLACE. EXISTING CONDUITORS SHALL BE REMOVED BACK TO SOURCE AND CONDUITS SHALL BE CUT AT SURFACE OF CONCRETE AND FILLED. EXISTING BACK BOXES AND CONDUITS REMAINING FROM DEVICES BEING REMOVED MAY BE UTILIZED FOR NEW DEVICES WHERE LOCATIONS PERMIT. REMOVE AND PATCH WHERE BOXES ARE NOT REUSED. REMOVE CONCRETE EQUIPMENT PADS THAT REMAIN TO BE FLUSH WITH FLOORGRADE.
- SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL ELECTRICAL DEMOLITION ITEMS. DISCONNECT AND REMOVE ELECTRICAL DEVICES, EQUIPMENT AND ASSOCIATED WIRING AS REQUIRED TO ACCOMMODATE NEW WORK. IF THE CONTRACTOR IS UNCLEAR REGARDING A SPECIFIC ITEM TO REMAIN OR BE REMOVED, THE CONTRACTOR SHALL SEEK CLARIFICATION FROM THE ARCHITECT.
- SYSTEMS SERVING ADJACENT AREAS AND ITEMS THAT REMAIN SHALL BE MAINTAINED AT ALL TIMES. MODIFY SYSTEMS AS REQUIRED THROUGHOUT CONSTRUCTION TO MAINTAIN CONTINUITY OF SERVICE. DO NOT INTERRUPT SERVICE WITHOUT OWNERS PRIOR WRITTEN APPROVAL. LIMIT DURATION OF INTERRUPTION ONLY TO THE TIME NECESSARY FOR DISCONNECTION AND IMMEDIATE RECONNECTION. INTERRUPTION TO SERVICE DEEMED BY OWNER AS ESSENTIAL MAY REQUIRE PREMIUM TIME AND SHALL BE INCLUDED WITH THE BID. EXTREME CARE SHALL BE TAKEN BY THE CONTRACTOR TO IDENTIFY EXISTING SYSTEM COMPONENTS ASSOCIATED WITH THESE SERVICES. APPROPRIATE METHODS OF MARKING THESE SHALL OCCUR TO ELIMINATE THE POSSIBILITY OF ACCIDENTAL INTERRUPTION. FOR CONDUIT AND CABLING THAT CAN REMAIN, PROVIDE SUPPORT AS REQUIRED. RELOCATE EXISTING JUNCTION BOXES THAT BECOME INACCESSIBLE DUE TO NEW WORK.
- COORDINATE DEMOLITION WITH THE WORK OF OTHER TRADES. PROVIDE TEMPORARY POWER AND LIGHTING AS REQUIRED TO ALLOW THE WORK OF OTHER TRADES TO PROCEED.
- PROTECT EXISTING ELECTRICAL EQUIPMENT THAT REMAINS. IF DAMAGED OR DISTURBED IN THE COURSE OF THE WORK, REMOVE DAMAGED PORTIONS AND INSTALL NEW PRODUCTS OF EQUAL CAPACITY, QUALITY, AND FUNCTIONALITY.
- PATCH AND REPAIR OPENINGS IN EXISTING WALLS AND FLOORS RESULTANT FROM SPECIFIED ELECTRICAL DEMOLITION. PATCH SHALL MATCH EXISTING CONSTRUCTION, FIRE RATING, AND FINISH. SEE ARCHITECTURAL SPECIFICATIONS FOR DETAILS AND METHODS.
- THIS PROJECT WILL BE PHASED. SEE PROJECT MANUAL AND ARCHITECTURAL PLANS FOR DETAILS. SYSTEM SERVICES TO AREAS NOT IN THE CURRENT PHASE OF CONSTRUCTION SHALL BE MAINTAINED AT ALL TIMES.

SHEET NOTES:

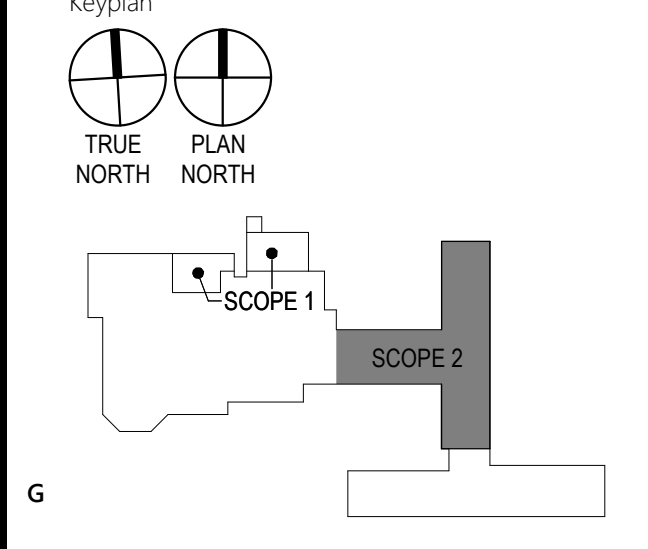
- LEAN TO BUILDING TO BE DEMOLISHED IN ITS ENTIRETY. DEMOLISH RECEPTACLE MOUNTED ON BUILDING AND CATHODIC METER FOR OLD IN-GROUND HEATING OIL TANK.
- EXISTING PANELS WILL NEED TO REMAIN ENERGIZED DURING PHASE 1 DEMOLITION AND CONSTRUCTION UNTIL NEW BRANCH PANELS ARE OPERATIONAL FOR PATIENT WING CIRCUITING. PANELBOARDS CAN BE THEN DE-ENERGIZED AND REMOVED DURING DEMOLITION OF PHASE 2.
- COORDINATE TIMING OF RELOCATION OF EXISTING FIRE ALARM ANNUNCIATOR PANEL WITH LOCAL AUTHORITY HAVING JURISDICTION TO ENSURE THEY UNDERSTAND WHERE TEMPORARY MEANS OF EGRESS ARE BEING PROVIDED.
- EXISTING NURSE CALL CONSOLE AND HEADEND SHALL STAY ACTIVE DURING CONSTRUCTION TO SERVE PARTIAL INPATIENT AREA DURING PHASED CONSTRUCTION OF INPATIENT AREA. HEADEND TO BE RELOCATED TO OWNER DESIRED LOCATION DURING RENOVATION AS SYSTEM WILL NEED TO BE ACTIVE DURING RENOVATION. IT CAN BE REMOVED ONCE NEW SYSTEM IS FULLY INSTALLED AND EXISTING SYSTEM IS NO LONGER REQUIRED. NEW NURSE CALL SYSTEM WILL BE PROVIDED FOR INPATIENT WING DURING PHASE 1 OF CONSTRUCTION. COORDINATE WITH NEW NURSE CALL VENDOR FOR TEMPORARY SOLUTION OF INPATIENT ROOMS THAT WILL REQUIRE COVERAGE DURING PHASED CONSTRUCTION SHOULD EXISTING SYSTEM NOT BE SUPPORTED ONCE REMOVED FROM NURSE AREA.
- EXISTING NURSE CALL CONSOLE AND HEADEND SHALL STAY ACTIVE DURING CONSTRUCTION TO SERVE PARTIAL INPATIENT AREA DURING PHASED CONSTRUCTION OF INPATIENT AREA. HEADEND TO BE RELOCATED TO OWNER DESIRED LOCATION DURING RENOVATION AS SYSTEM WILL NEED TO BE ACTIVE DURING RENOVATION. IT CAN BE REMOVED ONCE NEW SYSTEM IS FULLY INSTALLED AND EXISTING SYSTEM IS NO LONGER REQUIRED. NEW NURSE CALL SYSTEM WILL BE PROVIDED FOR INPATIENT WING DURING PHASE 1 OF CONSTRUCTION. COORDINATE WITH NEW NURSE CALL VENDOR FOR TEMPORARY SOLUTION OF INPATIENT ROOMS THAT WILL REQUIRE COVERAGE DURING PHASED CONSTRUCTION SHOULD EXISTING SYSTEM NOT BE SUPPORTED ONCE REMOVED FROM NURSE AREA.
- REMOVE ALL EXISTING LIGHTING AND CONTROLS IN THIS AREA. REMOVE ALL EXISTING RECEPTACLES, CONDUIT AND WIRING IN THIS AREA. REMOVE ALL EXISTING NURSE CALL IN THIS AREA. REMOVE EXISTING FIRE ALARM DEVICES IN THIS AREA BUT FIRE WATCH SHALL BE PROVIDED UNTIL NEW DEVICES ARE ENERGIZED AND TIED INTO EXISTING BUILDING SYSTEM.

This document may be an electronic file or may be printed from an electronic file provided to the user. It is the sole responsibility of the user to ensure that the content and quality is consistent with the content and quality of the original documents on file at B|W|B|R.



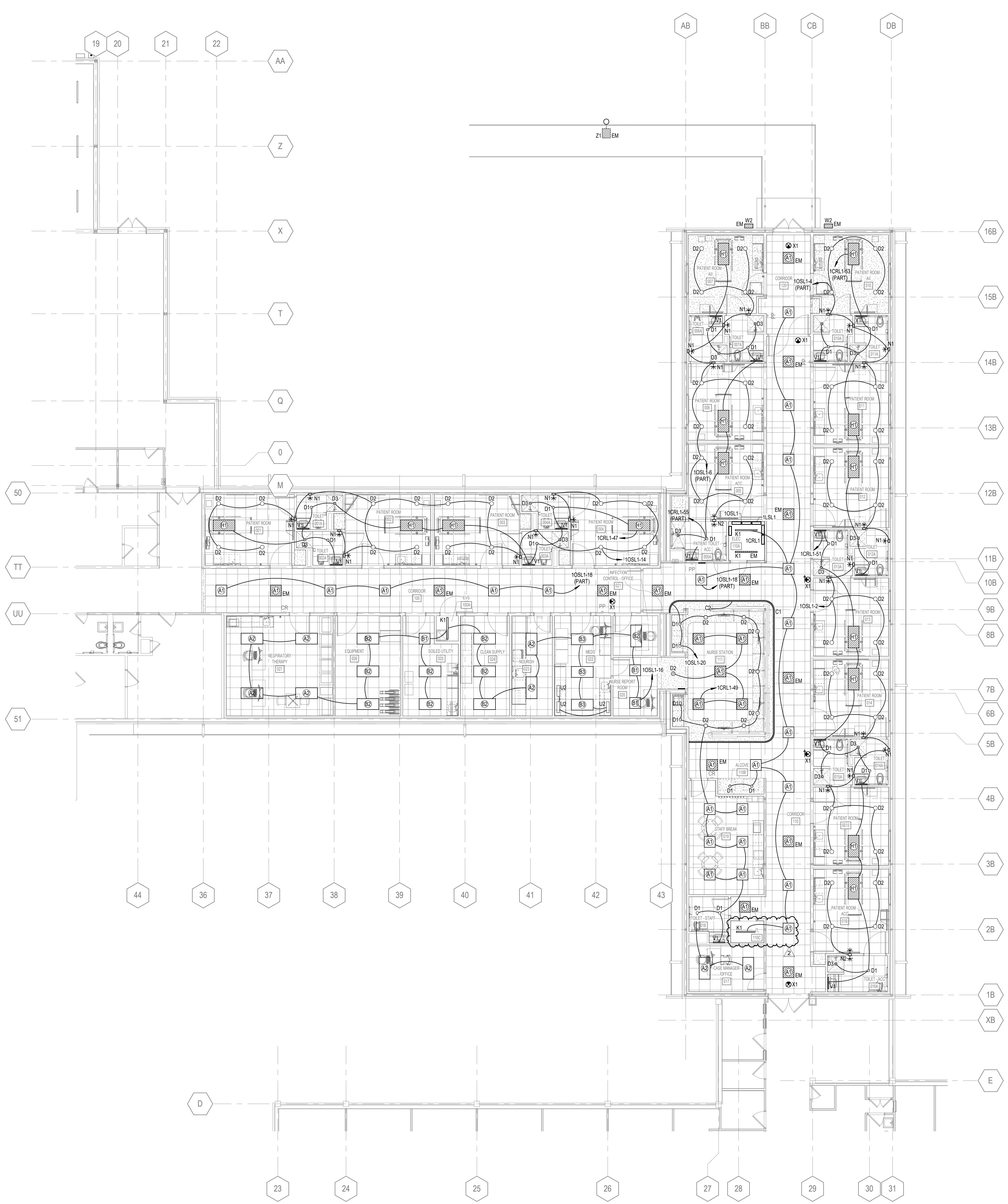
Item	Date
CD ISSUE	09/17/2025
AD-01	10/06/2025

This sheet may be a Reduced Copy. The bar above is 1" long on a Full Size Sheet. Drawing Scales apply to Full Size Sheets.



Comm. No. P-2400141.00
 Sheet Title: **FIRST LEVEL - ELECTRICAL DEMOLITION PLAN**

2025 © COPYRIGHT
 PERMISSION TO REPRODUCE ANY PART OF THIS DOCUMENT IS HEREBY GRANTED SOLELY FOR THE PURPOSE OF THE CONSTRUCTION OF THE PROJECT OR THE ARCHIVING OF THIS PROJECT. UNAUTHORIZED USE OF THIS DOCUMENT WITHOUT THE WRITTEN PERMISSION OF SPECIALIZED ENGINEERING SOLUTIONS IS PROHIBITED BY COPYRIGHT LAW.
 DO NOT SCALE DRAWING. ALL DIMENSIONS AND CLEARANCES SHALL BE VERIFIED FROM APPROPRIATE SOURCES. ALL WORK SHALL BE COORDINATED PRIOR TO INSTALLATION. SEE SPECIFICATIONS.
 SPECIALIZED ENGINEERING SOLUTIONS
 10360 Elston Circle
 Omaha, NE 68134
 Phone: 402.991.5520
 www.specializedeng.com
 SHEET PROJECT # 24304.001



LIGHTING GENERAL NOTES:
 (LIGHTING GENERAL NOTES SHALL APPLY TO ALL SHEETS)
 A. REFER TO DETAILS, SCHEDULES, AND SYMBOL LEGENDS FOR ADDITIONAL REQUIREMENTS.
 B. REFER TO LUMINAIRE SCHEDULE FOR LUMINAIRE DETAILS.
 C. EMERGENCY EGRESS LIGHTING
 a. FIXTURES DESIGNATED 'EM' AND EXIT LIGHTS ARE PART OF THE EMERGENCY EGRESS LIGHTING SYSTEM.
 b. EXIT SIGNS SHALL BE ILLUMINATED 24 HOURS.
 c. DURING NORMAL CONDITIONS, FIXTURES DESIGNATED 'EM' SHALL BE CONTROLLED (SWITCHED, DIMMED, ETC.) ALONG WITH NORMAL ROOM LIGHTING PER LIGHTING CONTROL PLAN(S).
 d. EMERGENCY LIGHTING CONTROL DEVICES: PROVIDE UL LISTED LIGHTING CONTROL DEVICE(S) AS REQUIRED BELOW. UPON LOSS OF NORMAL POWER, ALL LIGHTING SERVING AS PART OF THE EMERGENCY EGRESS SYSTEM SHALL BE SWITCHED ON TO FULL BRIGHTNESS, REGARDLESS OF CURRENT LIGHTING CONTROL STATUS.
 e. UL-924 DEVICES - WHERE EMERGENCY EGRESS LIGHTING AND NORMAL OR CRITICAL BRANCH LIGHTING ARE LOCATED WITHIN THE SAME SPACE, PROVIDE UL-924 EMERGENCY LIGHTING CONTROL UNIT(S) TO ALLOW FOR LOCAL LIGHTING CONTROL OVERRIDE. DEVICE REQUIRES CONNECTION TO UNSWITCHED LEG OF NORMAL OR CRITICAL LIGHTING BRANCH CIRCUIT SERVING SPACE. INSTALL PER MANUFACTURER'S WIRING DIAGRAM.
 f. UL-1008 DEVICES - WHERE A SPACE IS SERVED SOLELY BY LIGHTING THAT IS PART OF THE EMERGENCY EGRESS LIGHTING SYSTEM, PROVIDE A UL-1008 BRANCH CIRCUIT EMERGENCY LIGHTING TRANSFER SWITCH (IN LIEU OF UL-924 DEVICE INDICATED ABOVE) TO ALLOW FOR LOCAL LIGHTING CONTROL OVERRIDE. DEVICE REQUIRES CONNECTION TO BOTH NORMAL AND EMERGENCY SOURCE. REFER TO PLANS FOR SOURCE CIRCUITS. DEVICE SHALL BE LOCATED EITHER WITHIN AREA SERVED OR WITHIN ELECTRICAL ROOM CONTAINING SOURCE PANELS.
 g. FIRE ALARM INTEGRATION - INTEGRATE EMERGENCY LIGHTING CONTROL DEVICE(S) WITH FIRE ALARM SYSTEM. IN THE EVENT OF AN ALARM, ALL LIGHTING SERVING AS PART OF THE EMERGENCY EGRESS SYSTEM WITHIN THE AREA UNDER ALARM SHALL BE SWITCHED ON TO FULL BRIGHTNESS, REGARDLESS OF CURRENT LIGHTING CONTROL STATUS.

LAWRENCE COUNTY HOSPITAL
 INFRASTRUCTURE UPGRADES AND INPATIENT REMODEL

B|W|B|R, P.C.
 Scott Kirchner, Architect

380 St. Peter Street, Ste. 600
 Saint Paul, MN 55102
 651.222.3701
 bwbbr.com

Consultants
SES SPECIALIZED ENGINEERING SOLUTIONS
 10360 Elston Circle
 Omaha, NE 68134
 Phone: 402.991.5520
 www.specializedeng.com

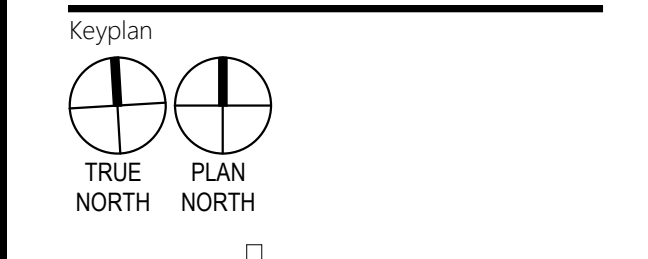
This document may be an electronic file or may be printed from an electronic file provided to the user. It is the sole responsibility of the user to ensure that the content and quality is consistent with the content and quality of the original documents on file at B|W|B|R.



Issued For

Item	Date
CD ISSUE	09/17/2025
AD-01	10/06/2025

The Sheet may be a Reduced Copy
 The bar above is 1" long on a Full Size Sheet.
 Drawing Scales apply to Full Size Sheets.



INSTALL GREEN INSULATED GROUND WIRE WITH LIGHTING, RECEPTACLE AND EQUIPMENT BRANCH CIRCUITS.
 INSTALL INDIVIDUAL (DEDICATED) NEUTRAL CONDUCTORS FOR EACH 120V OR 277V PHASE CONDUCTOR SERVED FROM A SINGLE POLE CIRCUIT BREAKER

2025 © COPYRIGHT
 PERMISSION TO REPRODUCE ANY PART OF THIS DOCUMENT IS HEREBY GRANTED SOLELY FOR THE PURPOSE OF THE CONSTRUCTION OF THE PROJECT OR THE ARCHIVING OF THIS PROJECT. UNAUTHORIZED USE OF THIS DOCUMENT WITHOUT THE WRITTEN PERMISSION OF SPECIALIZED ENGINEERING SOLUTIONS IS PROHIBITED BY COPYRIGHT LAW.
 DO NOT SCALE DRAWING. ALL DIMENSIONS AND CLEARANCES SHALL BE VERIFIED FROM APPROPRIATE SOURCES. ALL WORK SHALL BE COORDINATED PRIOR TO INSTALLATION. SEE SPECIFICATIONS.

SES SPECIALIZED ENGINEERING SOLUTIONS
 10360 Elston Circle
 Omaha, NE 68134
 Phone: 402.991.5520
 www.specializedeng.com

Comm. No. P-2400141.00
 Drawn CTB

SHEET TITLE
FIRST LEVEL - LIGHTING PLAN

Sheet No.

2.901.L

2H LIGHTING PLAN - FIRST LEVEL
 2.901.L 1/8" = 1'-0"

This document may be an electronic file or may be printed from an electronic file provided to the user. It is the sole responsibility of the user to ensure that the content and quality is consistent with the content and quality of the original documents on file at B|W|B|R.



Item	Date
CD ISSUE	09/17/2025
AD-01	10/06/2025

This Sheet may be a Reduced Copy
The bar above is 1" long on a Full Size Sheet.
Drawing Scales apply to Full Size Sheets.

Keyplan

Comm. No.	Drawn
P-2400141.00	PBM

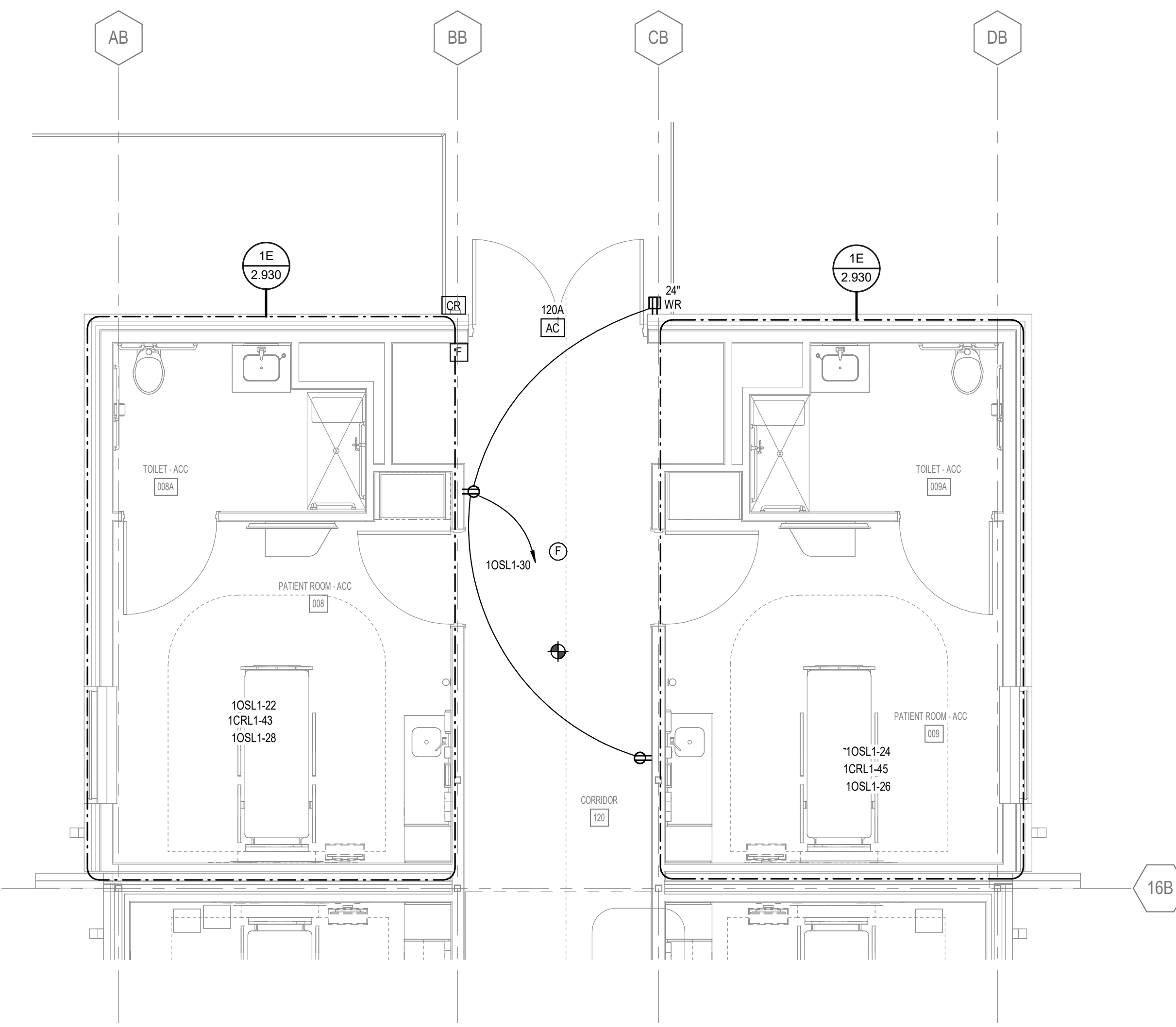
Sheet Title
**ELECTRICAL ENLARGED
PLANS - ADD
ALTERNATE**

Sheet No.

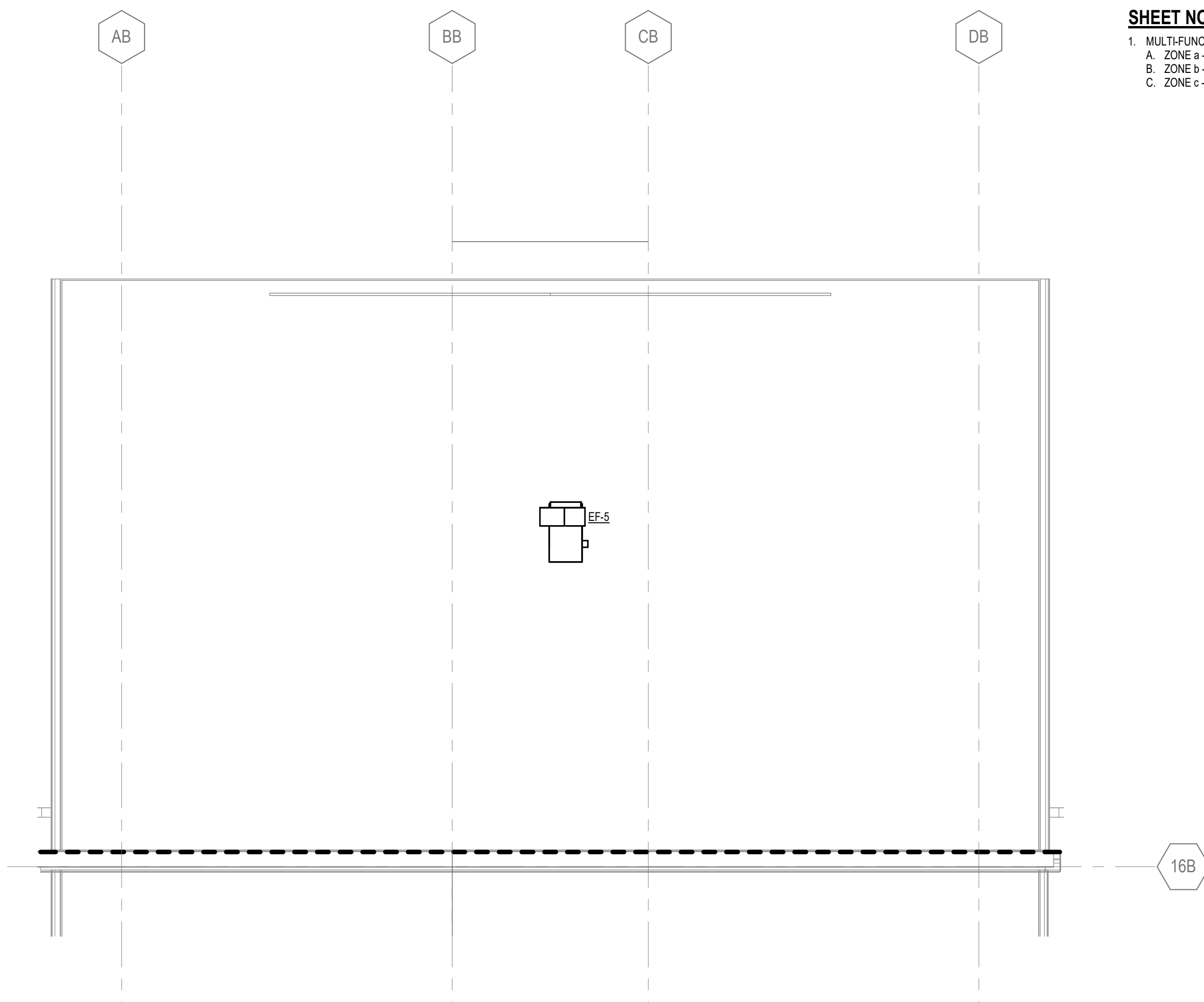
2.931

SHEET NOTES:

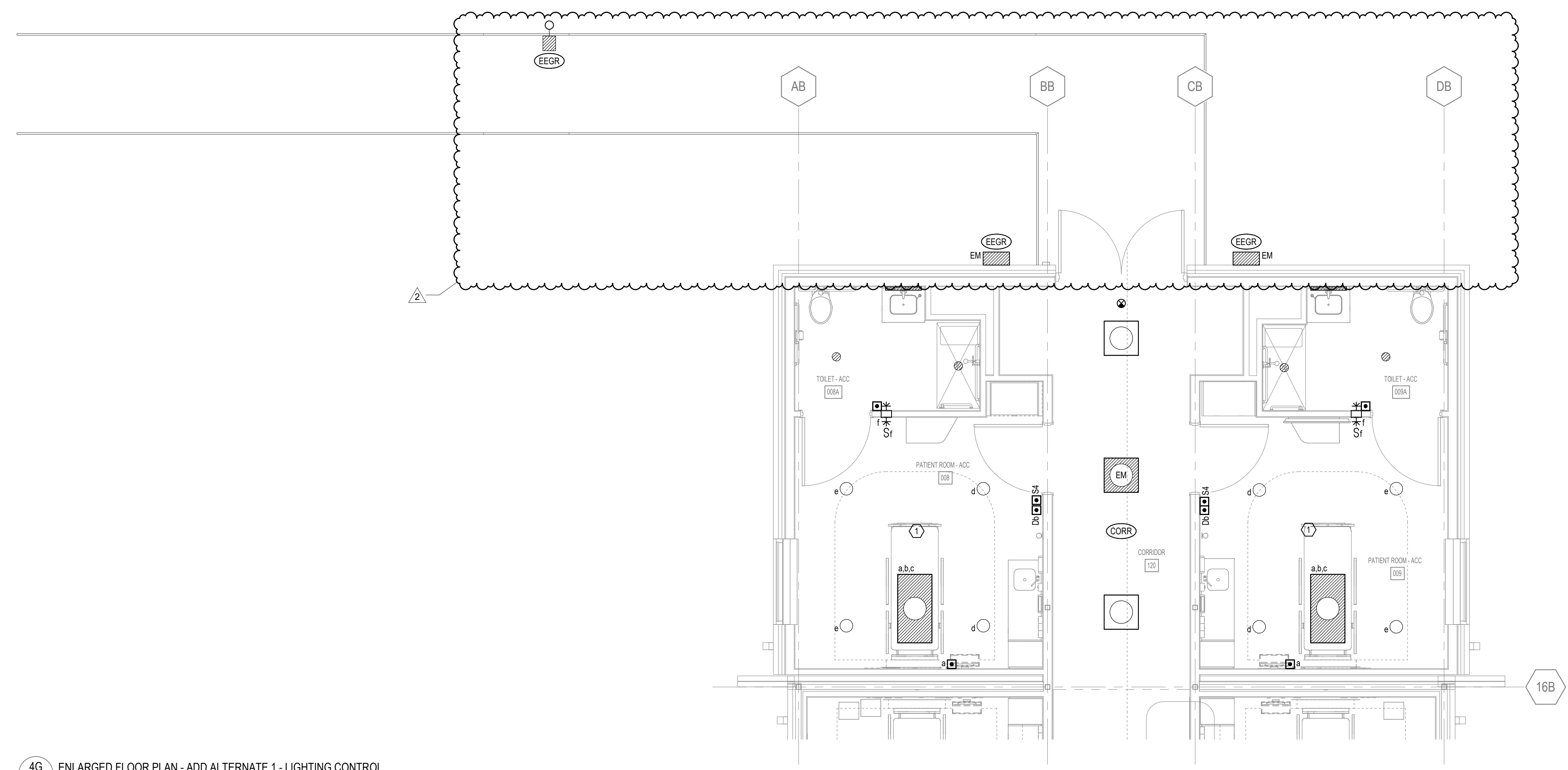
- MULTI-FUNCTION PATIENT OVERBED LUMINAIRE CONTROL. ZONES SHALL BE CONTROLLED AS FOLLOWS:
A. ZONE a - EXAM
B. ZONE b - AMBIENT
C. ZONE c - READING



1D ENLARGED FLOOR PLAN - ADD ALTERNATE 1 - POWER
2.931 1/4" = 1'-0"



4D ENLARGED ROOF FLOOR PLAN - ADD ALTERNATE 1 - POWER
2.931 1/4" = 1'-0"



4G ENLARGED FLOOR PLAN - ADD ALTERNATE 1 - LIGHTING CONTROL
2.931 1/4" = 1'-0"

INSTALL GREEN INSULATED
GROUND WIRE WITH
LIGHTING, RECEPTACLE AND
EQUIPMENT BRANCH CIRCUITS.
INSTALL INDIVIDUAL (DEDICATED)
NEUTRAL CONDUCTORS FOR
EACH 120V OR 277V PHASE
CONDUCTOR SERVED FROM A
SINGLE POLE CIRCUIT BREAKER

2025 © COPYRIGHT
PERMISSION TO REPRODUCE ANY PART OF THIS DOCUMENT IS HEREBY
GRANTED SOLELY FOR THE PURPOSE OF THE CONSTRUCTION OF THE
PROJECT OR THE ARCHIVING OF THIS PROJECT. UNAUTHORIZED USE
OF THIS DOCUMENT WITHOUT THE WRITTEN PERMISSION OF SPECIALIZED
ENGINEERING SOLUTIONS IS PROHIBITED BY COPYRIGHT LAW.
DO NOT SCALE DRAWING. ALL DIMENSIONS AND CLEARANCES SHALL
BE VERIFIED FROM APPROPRIATE SOURCES. ALL WORK SHALL BE
COORDINATED PRIOR TO INSTALLATION. SEE SPECIFICATIONS.

SES SPECIALIZED ENGINEERING SOLUTIONS
10360 Elston Circle
Omaha, NE 68134
Phone: 402.991.5520
www.specializedeng.com

SES PROJECT #
24304.001

This document may be an electronic file or may be printed from an electronic file provided to the user. It is the sole responsibility of the user to ensure that the content and quality is consistent with the content and quality of the original documents on file at BWBR.



Issued For

Item	Date
CD ISSUE	09/17/2025
AD-01	10/06/2025

This Sheet may be a Reduced Copy
The bar above is 1" long on a Full Size Sheet.
Drawing Scales apply to Full Size Sheets.

Keyplan

Comm. No. P.2400141.00
Drawn PBM

Sheet Title
**ELECTRICAL ENLARGED
PLANS - ADD
ALTERNATE**

Sheet No.

2.932

SHEET NOTES: □

- MULTI-FUNCTION PATIENT OVERBED LUMINAIRE CONTROL ZONES SHALL BE CONTROLLED AS FOLLOWS:
A. ZONE a - EXAM
B. ZONE b - AMBIENT
C. ZONE c - READING

1 ENLARGED FLOOR PLAN - ADD ALTERNATE 1 - LIGHTING
2.932 1/4" = 1'-0"

INSTALL GREEN INSULATED
GROUND WIRE WITH
LIGHTING, RECEPTACLE AND
EQUIPMENT BRANCH CIRCUITS.
INSTALL INDIVIDUAL (DEDICATED)
NEUTRAL CONDUCTORS FOR
EACH 120V OR 277V PHASE
CONDUCTOR SERVED FROM A
SINGLE POLE CIRCUIT BREAKER

2025 © COPYRIGHT
PERMISSION TO REPRODUCE ANY PART OF THIS DOCUMENT IS HEREBY
GRANTED SOLELY FOR THE PURPOSE OF THE CONSTRUCTION OF THE
PROJECT OR THE ARCHIVING OF THIS PROJECT. UNAUTHORIZED USE
OF THIS DOCUMENT WITHOUT THE WRITTEN PERMISSION OF SPECIALIZED
ENGINEERING SOLUTIONS IS PROHIBITED BY COPYRIGHT LAW.
DO NOT SCALE DRAWING. ALL DIMENSIONS AND CLEARANCES SHALL
BE VERIFIED FROM APPROPRIATE SOURCES. ALL WORK SHALL BE
COORDINATED PRIOR TO INSTALLATION. SEE SPECIFICATIONS.

SES SPECIALIZED ENGINEERING SOLUTIONS
10360 Elston Circle
Omaha, NE 68134
Phone: 402.991.5520
www.specializedeng.com
SES PROJECT #
24304.001

EQUIPMENT CONNECTION SCHEDULE - SCOPE 2																						
MARK	DESCRIPTION	ROOM NAME	ROOM #	HP	KW	FLA	MCA	MOCP	VOLTS	PHASE	POLES	LOAD (VA)	CONTROL TYPE	DISCONNECT BY	DISCONNECT TYPE	FEEDER	PANEL	CIRCUIT NUMBER	SCCR	GEN	REMARKS	
AA-1	ALARM PANEL	CORRIDOR	110				1	15	120	1	1	200	INT	MANUFACTURER	HW	(2X) (20A) 2#12 CU, #12 CU GND - 3/4"	1LSL1	5	5	Yes		
AH-15	AIR HANDLING UNIT						18.6	20.9	30	208	3	3	6693	DOC, FA STOP	MANUFACTURER	INT	(3) (30A) 3#10 CU, #10 CU GND - 3/4"	1EOL1	25,27,29	5	Yes	(1)
AH-15 LIGHTS	LIGHTS						2.6	3.3	15	120	1	1	313	INT	MANUFACTURER	INT	(2X) (20A) 2#12 CU, #12 CU GND - 3/4"	1EOL1	43	5	Yes	
AH-15 UV LIGHTS	UV LIGHTS						1.3	1.6	15	120	1	1	156	INT	MANUFACTURER	INT	(2X) (20A) 2#12 CU, #12 CU GND - 3/4"	1EOL1	46	5	Yes	
AH-16	AIR HANDLING UNIT						37.2	39.5	45	208	3	3	13314	DOC, FA STOP	MANUFACTURER	INT	(4) (40A) 3#8 CU, #10 CU GND - 3/4"	1EOL1	31,33,35	6	Yes	(1)
AH-16 LIGHTS	LIGHTS						2.6	3.3	15	120	1	1	313	INT	MANUFACTURER	INT	(2X) (20A) 2#12 CU, #12 CU GND - 3/4"	1EOL1	56	5	Yes	
AH-16 UV LIGHTS	UV LIGHTS						1.3	1.6	15	120	1	1	156	INT	MANUFACTURER	INT	(2X) (20A) 2#12 CU, #12 CU GND - 3/4"	1EOL1	57	5	Yes	
AH-17	AIR HANDLING UNIT						18.6	20.9	30	208	3	3	6693	DOC, FA STOP	MANUFACTURER	INT	(3) (30A) 3#10 CU, #10 CU GND - 3/4"	1EOL1	37,39,41	5	Yes	(1)
AH-17 LIGHTS	LIGHTS						1.3	1.6	15	120	1	1	156	INT	MANUFACTURER	INT	(2X) (20A) 2#12 CU, #12 CU GND - 3/4"	1EOL1	49	5	Yes	
AH-17 UV LIGHTS	UV LIGHTS						1.3	1.6	15	120	1	1	156	INT	MANUFACTURER	INT	(2X) (20A) 2#12 CU, #12 CU GND - 3/4"	1EOL1	51	5	Yes	
EF-1	EXHAUST FAN				0.25		5.8	7.3	15	120	1	1	696	DOC	MANUFACTURER	INT	(1M1) (16 - 1 HP 120V) 2#12 CU, #12 CU GND - 3/4"	1EOL1	3	5	Yes	
EF-2	EXHAUST FAN				0.25		5.8	7.3	15	120	1	1	696	DOC	MANUFACTURER	INT	(1M1) (16 - 1 HP 120V) 2#12 CU, #12 CU GND - 3/4"	1EOL1	5	5	Yes	
EF-3	EXHAUST FAN				0.25		5.8	7.3	15	120	1	1	696	DOC	MANUFACTURER	INT	(1M1) (16 - 1 HP 120V) 2#12 CU, #12 CU GND - 3/4"	1EOL1	1	5	Yes	
EF-4A	EXHAUST FAN				1		4.6	5.8	15	208	3	3	1657	DOC	MANUFACTURER	INT	(3M3) (12 - 3 HP 208V) 3#12 CU, #12 CU GND - 3/4"	1EOL1	7,5,11	5	Yes	
EF-4B	EXHAUST FAN				1		4.6	5.8	15	208	3	3	1657	DOC	MANUFACTURER	INT	(3M3) (12 - 3 HP 208V) 3#12 CU, #12 CU GND - 3/4"	1EOL1	13,15,17	5	Yes	
EF-5	EXHAUST FAN				0.33		2.4	3	15	208	3	3	865	DOC	MANUFACTURER	INT	(3M3) (12 - 3 HP 208V) 3#12 CU, #12 CU GND - 3/4"	1EOL1	19,21,23	5	Yes	(2)
HWP-16	HOT WATER PUMP				0.125		4.4	5.5	15	120	1	1	528	DOC	ELECTRICAL	NF 201	(1M1) (16 - 1 HP 120V) 2#12 CU, #12 CU GND - 3/4"	1EOL1	53	5	Yes	
MAR-1	MASTER ALARM PANEL	NURSE STATION	111				1	15	120	1	1	200	INT	MANUFACTURER	HW	(2X) (20A) 2#12 CU, #12 CU GND - 3/4"	1LSL1	3	5	Yes		

REMARKS: (EQUIPMENT CONNECTION SCHEDULE)
1. EQUIPMENT UTILIZES A FAN ARRAY WITH MULTIPLE MOTOR CONNECTIONS. REFER TO MECHANICAL SCHEDULES FOR QUANTITY OF FANS.
2. FAN TO BE PROVIDED UNDER ADD ALTERNATE #1. CONFIRM ACCEPTANCE OF ADD ALTERNATE FOR PRICING.

GENERAL NOTES: (EQUIPMENT CONNECTION SCHEDULE)
A. EQUIPMENT LISTED MAY NOT BE UNIQUE. VERIFY QUANTITY WITH FLOOR PLANS. WHERE LOCATIONS ARE NOT INDICATED ON ELECTRICAL FLOOR PLANS, REFER TO MECHANICAL SHEETS. REFER TO DEFINITIONS BELOW FOR CLARIFICATIONS OF CONNECTION REQUIREMENTS.
B. PROVIDE WIRING AND EQUIPMENT CONNECTIONS FOR INTERNAL EQUIPMENT COMPONENTS AS REQUIRED. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR.
C. ITEMS NOTED AS "N/A" ARE NOT TO BE CONNECTED.
D. CONTROL TYPE - PROVIDE CONTROL AND CONNECTIONS:
• "INT" = CONTROLS ARE MANUFACTURED INTEGRAL TO THE EQUIPMENT (SELF-CONTAINED).
• "CONT" = EQUIPMENT OPERATES CONTINUOUSLY (NO CONTROLS); FOR MOTORS WITHOUT INTERNAL OVERLOAD PROTECTION, PROVIDE SEPARATE OVERLOAD PROTECTION. OVERLOAD PROTECTION MAY BE PROVIDED AS PART OF A MANUAL MOTOR STARTER.
• "DOC" = CONTROL SIGNAL FROM TEMPERATURE CONTROL SYSTEM PROVIDED BY MECHANICAL CONTRACTOR OR TEMPERATURE CONTROLS CONTRACTOR.
• "TIME SW" = CONTROL SIGNAL FROM TIME SWITCH PROVIDED BY ELECTRICAL CONTRACTOR.
• "TIME SWITCH SHALL BE 7-DAY DIGITAL TYPE WITH AUTOMATIC DAYLIGHT SAVINGS ADJUSTMENTS AND BATTERY BACKUP. LOCATE TIME SWITCH IN NEAREST MECHANICAL OR ELECTRICAL UTILITY ROOM.
• LABEL TIME SWITCH. COORDINATE TIME SCHEDULE WITH OWNER AND MECHANICAL ENGINEER.
• "WALL SW" = CONTROL SIGNAL FROM WALL SWITCH PROVIDED BY ELECTRICAL CONTRACTOR.
• COORDINATE LOCATION OF WALL SWITCH WITH OWNER. LABEL WALL SWITCH.
• "FA STOP" = FANS WITH CFM OF 2000 OR GREATER AND FANS SERVING DUCTS CONTAINING SMOKE DAMPERS.
• PROVIDE FIRE ALARM SYSTEM DUCT SMOKE DETECTORS AT RETURN SIDE AND SUPPLY SIDE OF FAN UNIT. PROVIDE MULTIPLE DETECTORS IF REQUIRED TO ACCOMMODATE MAIN DUCT TAKE-OFFS WHERE A SINGLE DETECTOR CANNOT BE INSTALLED TO CAPTURE ALL AIRFLOW. FIRE ALARM SYSTEM SHALL SHUTDOWN FAN UPON DETECTION OF SMOKE IN DUCT OR ROOMS SERVED FROM THIS EQUIPMENT.
• PROVIDE WITH INDIVIDUAL FIRE ALARM SYSTEM ADDRESSABLE CONTROL MODULE AT MOTOR CONTROLLER/STARTER AND CONNECT TO SHUTDOWN FAN.
• "WF STOP" = HIGH VOLTAGE LOW SPEED (H.V.S.) FANS SHUT DOWN H.V.S. FAN UPON WATER FLOW ALARM. PROVIDE WITH INDIVIDUAL FIRE ALARM SYSTEM ADDRESSABLE CONTROL MODULE AT MOTOR AND CONNECT TO SHUT DOWN FAN.
• "FA START" = FANS USED FOR SMOKE EVACUATION OR PRESSURIZATION.
• FIRE ALARM SYSTEM SHALL START FAN UPON DETECTION OF SMOKE IN DUCT OR ROOMS SERVED FROM THIS EQUIPMENT. PROVIDE WITH INDIVIDUAL FIRE ALARM SYSTEM ADDRESSABLE CONTROL MODULE AT MOTOR CONTROLLER/STARTER AND CONNECT TO START FAN.
• "DATA" = PROVIDE WITH DATA CONNECTION FROM NEAREST DATA NETWORK COMMUNICATIONS ROOM.
• "CONDUIT" = PROVIDE EMPTY 3/4" CONDUIT BETWEEN INDIVIDUAL EQUIPMENT UNITS TO ACCOMMODATE CONTROL CABLEING BY MECHANICAL OR TEMPERATURE CONTROLS CONTRACTOR.
• "EPO" = PROVIDE EMERGENCY POWER OFF. REFER TO FLOOR PLANS FOR DEVICE LOCATION.
E. DISCONNECT ETC.:
• "MECHANICAL" = DISCONNECT IS FURNISHED BY MECHANICAL CONTRACTOR OR PROVIDED WITH MECHANICAL EQUIPMENT.
• ELECTRICAL CONTRACTOR SHALL PROVIDE MOUNTING AND ADDITIONAL CONNECTIONS REQUIRED FOR LOOSE DISCONNECTS FURNISHED BY THE MECHANICAL CONTRACTOR.
• "ELECTRICAL" = DISCONNECT IS FURNISHED BY ELECTRICAL CONTRACTOR. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT FURNISHED BY MECHANICAL CONTRACTOR.
• "MANUFACTURER" = DISCONNECT IS FURNISHED BY EQUIPMENT MANUFACTURER. ELECTRICAL CONTRACTOR SHALL PROVIDE MOUNTING AND ADDITIONAL CONNECTIONS REQUIRED FOR LOOSE DISCONNECTS FURNISHED BY EQUIPMENT MANUFACTURER.
F. DISCONNECT TYPE - PROVIDE DISCONNECT RECEPTACLE AT EQUIPMENT LOCATION AND ASSOCIATED CONNECTION TO EQUIPMENT AND BRANCH CIRCUIT:
• "NEMA" = DUPLEX (TYPE RECEPTACLE TO ACCOMMODATE CORD AND PLUS CONNECTION (CORD AND PLUS) FURNISHED WITH EQUIPMENT UNLESS NOTED OTHERWISE)
• "RECSW" = PROVIDE 20A 120V RECEPTACLE OR 20A TOGGLE SWITCH DISCONNECT.
• COORDINATE REQUIRED SELECTION WITH EQUIPMENT.
• "NF" = NON-FUSED DISCONNECT. SIZE AND POLE QUANTITY AS INDICATED. 20A AND SMALLER SHALL BE TOGGLE SWITCH DISCONNECT.
• "F" = FUSED DISCONNECT. SIZE AND POLE QUANTITY AS INDICATED.
• FUSE PER MANUFACTURER'S RECOMMENDATIONS.
• "RUSTAT" = SWITCH AND RUSTAT. FUSE SIZE PER EQUIPMENT MANUFACTURER.
• LOCATE SWITCH IN CONCEALED ACCESSIBLE LOCATION.
• "ENCL. CB" = ENCLOSED CIRCUIT BREAKER DISCONNECT.
• SIZE POLE QUANTITY, AND FLUSH SURFACE MOUNTING AS INDICATED.
• "ENCL. MCSW" = ENCLOSED MOLDED CASE SWITCH DISCONNECT.
• SIZE POLE QUANTITY, AND FLUSH SURFACE MOUNTING AS INDICATED.
• "SHUNT ENCL. CB" = SHUNT TRIP ENCLOSED CIRCUIT BREAKER DISCONNECT.
• SIZE POLE QUANTITY, AND FLUSH SURFACE MOUNTING AS INDICATED. PROVIDE WITH INTEGRAL 120V CONTROL TRANSFORMER SERVED FROM LINE SOURCE WITH PRIMARY AND SECONDARY FUSING. COORDINATE ENCLOSURE AND COVER SIZE TO ACCOMMODATE TRANSFORMER. PROVIDE WITH EQUIPMENT GROUND BAR AND SEPARATE INSULATED ISOLATED GROUND BAR. WHERE NEUTRAL CONDUCTOR IS UTILIZED, PROVIDE SOLID NEUTRAL BAR. CONNECT SHUNT TRIP VOLTAGE SOURCE AND ACTUATOR TO ASSOCIATED EMERGENCY POWER (EPO) SWITCHES. PROVIDE EPO AND COORDINATE LOCATION.
• "LOCK CB" = CIRCUIT BREAKER CAPABLE OF BEING LOCKED IN THE OPEN POSITION, LOCATED IN THE SOURCE ELECTRICAL PANEL. THE PROVISIONS FOR LOCKING MUST REMAIN IN PLACE WITH OR WITHOUT THE LOCK INSTALLED.
• "MAG" = COMBINATION MAGNETIC MOTOR STARTER WITH DISCONNECT (COORDINATE COIL VOLTAGE WITH CONTROL SOURCE). LOCATE COMBINATION MAGNETIC MOTOR STARTER TO SERVE AS THE MOTOR DISCONNECT. WHERE STARTER SERVES OUTDOOR EQUIPMENT, LOCATE STARTER IN THE SOURCE ELECTRICAL ROOM.
• "MAN" = COMBINATION MANUAL MOTOR STARTER WITH DISCONNECT. LOCATE COMBINATION MANUAL MOTOR STARTER TO SERVE AS THE MOTOR DISCONNECT. WHERE STARTER SERVES OUTDOOR EQUIPMENT, LOCATE STARTER IN THE SOURCE ELECTRICAL ROOM.
• "VFD" = VARIABLE FREQUENCY DRIVE CONTROLLER. LOCATE VARIABLE FREQUENCY DRIVE CONTROL TO SERVE AS THE MOTOR DISCONNECT.
• "INT" = DISCONNECT IS MANUFACTURED INTEGRAL TO THE EQUIPMENT.
• "HW" = HARDWIRED. DISCONNECT NOT REQUIRED.
• LOCATE DISCONNECT ADJACENT TO EQUIPMENT PER NEC - PROVIDE WITH STRUT MOUNTING AS REQUIRED.
• LOCATE RECEPTACLE OR JUNCTION BOX TO DIRECTLY SERVE EQUIPMENT.
• COORDINATE EXACT LOCATION WITH ARCHITECT, ARCHITECTURAL DETAILS, AND EQUIPMENT MANUFACTURER'S REQUIREMENTS.
• WHERE DISCONNECT SERVES OUTDOOR EQUIPMENT, PROVIDE AS NEMA-3R.
• PROVIDE DISCONNECT WITH EQUIPMENT GROUND KIT.
• WHERE FEEDER INDICATED UTILIZES A NEUTRAL, PROVIDE DISCONNECT WITH SOLID NEUTRAL KIT.
• DISCONNECTS NOT SHOWN AS "F" OR "NF" SHALL BE NON-FUSED.
• DISCONNECTS OF MOTORS SERVED FROM A VFD SHALL CONTAIN AUXILIARY CONTACTS CONNECTED TO THE VFD TO DISABLE VFD UPON DISCONNECTION.
• WHERE STARTERS OR VFD'S CONTAIN INTEGRAL DISCONNECTS AND ARE LOCATED PER NEC TO SATISFY AS THE EQUIPMENT DISCONNECT, AN ADDITIONAL EQUIPMENT DISCONNECT IS NOT REQUIRED.
G. FEEDERS:
• PROVIDE CONDUCTORS AND RACEWAY AS INDICATED. TYPICAL FORMAT IS: (FEEDER TAG) (NOMINAL SIZE) CONDUCTORS AND RACEWAY REQUIRED.
H. SCCR - EQUIPMENT IS SERVED FROM A SOURCE PANEL PROVIDED WITH GENERATOR BACKUP.
I. SCCR - VALUE INDICATED IS AVAILABLE SHORT CIRCUIT CURRENT (SCC) IN KILOMMERS AT THE EQUIPMENT BASED ON PRELIMINARY DESIGN PHASE CALCULATIONS. EQUIPMENT SCCR SHALL BE MINIMUM 100% OF THE AVAILABLE SCC. RATING SHALL BE ADJUSTED IF REQUIRED BASED ON FINAL SCC CALCULATION. EQUIPMENT INDICATED WITH 5 KA MAY BE PROVIDED WITH 5 KA SCCR.

REMARKS: (EQUIPMENT CONNECTION SCHEDULE)
1. EQUIPMENT UTILIZES A FAN ARRAY WITH MULTIPLE MOTOR CONNECTIONS. REFER TO MECHANICAL SCHEDULES FOR QUANTITY OF FANS.
2. FAN TO BE PROVIDED UNDER ADD ALTERNATE #1. CONFIRM ACCEPTANCE OF ADD ALTERNATE FOR PRICING.

GENERAL NOTES: (EQUIPMENT CONNECTION SCHEDULE)
A. EQUIPMENT LISTED MAY NOT BE UNIQUE. VERIFY QUANTITY WITH FLOOR PLANS. WHERE LOCATIONS ARE NOT INDICATED ON ELECTRICAL FLOOR PLANS, REFER TO MECHANICAL SHEETS. REFER TO DEFINITIONS BELOW FOR CLARIFICATIONS OF CONNECTION REQUIREMENTS.
B. PROVIDE WIRING AND EQUIPMENT CONNECTIONS FOR INTERNAL EQUIPMENT COMPONENTS AS REQUIRED. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR.
C. ITEMS NOTED AS "N/A" ARE NOT TO BE CONNECTED.
D. CONTROL TYPE - PROVIDE CONTROL AND CONNECTIONS:
• "INT" = CONTROLS ARE MANUFACTURED INTEGRAL TO THE EQUIPMENT (SELF-CONTAINED).
• "CONT" = EQUIPMENT OPERATES CONTINUOUSLY (NO CONTROLS); FOR MOTORS WITHOUT INTERNAL OVERLOAD PROTECTION, PROVIDE SEPARATE OVERLOAD PROTECTION. OVERLOAD PROTECTION MAY BE PROVIDED AS PART OF A MANUAL MOTOR STARTER.
• "DOC" = CONTROL SIGNAL FROM TEMPERATURE CONTROL SYSTEM PROVIDED BY MECHANICAL CONTRACTOR OR TEMPERATURE CONTROLS CONTRACTOR.
• "TIME SW" = CONTROL SIGNAL FROM TIME SWITCH PROVIDED BY ELECTRICAL CONTRACTOR.
• "TIME SWITCH SHALL BE 7-DAY DIGITAL TYPE WITH AUTOMATIC DAYLIGHT SAVINGS ADJUSTMENTS AND BATTERY BACKUP. LOCATE TIME SWITCH IN NEAREST MECHANICAL OR ELECTRICAL UTILITY ROOM.
• LABEL TIME SWITCH. COORDINATE TIME SCHEDULE WITH OWNER AND MECHANICAL ENGINEER.
• "WALL SW" = CONTROL SIGNAL FROM WALL SWITCH PROVIDED BY ELECTRICAL CONTRACTOR.
• COORDINATE LOCATION OF WALL SWITCH WITH OWNER. LABEL WALL SWITCH.
• "FA STOP" = FANS WITH CFM OF 2000 OR GREATER AND FANS SERVING DUCTS CONTAINING SMOKE DAMPERS.
• PROVIDE FIRE ALARM SYSTEM DUCT SMOKE DETECTORS AT RETURN SIDE AND SUPPLY SIDE OF FAN UNIT. PROVIDE MULTIPLE DETECTORS IF REQUIRED TO ACCOMMODATE MAIN DUCT TAKE-OFFS WHERE A SINGLE DETECTOR CANNOT BE INSTALLED TO CAPTURE ALL AIRFLOW. FIRE ALARM SYSTEM SHALL SHUTDOWN FAN UPON DETECTION OF SMOKE IN DUCT OR ROOMS SERVED FROM THIS EQUIPMENT.
• PROVIDE WITH INDIVIDUAL FIRE ALARM SYSTEM ADDRESSABLE CONTROL MODULE AT MOTOR CONTROLLER/STARTER AND CONNECT TO SHUTDOWN FAN.
• "WF STOP" = HIGH VOLTAGE LOW SPEED (H.V.S.) FANS SHUT DOWN H.V.S. FAN UPON WATER FLOW ALARM. PROVIDE WITH INDIVIDUAL FIRE ALARM SYSTEM ADDRESSABLE CONTROL MODULE AT MOTOR AND CONNECT TO SHUT DOWN FAN.
• "FA START" = FANS USED FOR SMOKE EVACUATION OR PRESSURIZATION.
• FIRE ALARM SYSTEM SHALL START FAN UPON DETECTION OF SMOKE IN DUCT OR ROOMS SERVED FROM THIS EQUIPMENT. PROVIDE WITH INDIVIDUAL FIRE ALARM SYSTEM ADDRESSABLE CONTROL MODULE AT MOTOR CONTROLLER/STARTER AND CONNECT TO START FAN.
• "DATA" = PROVIDE WITH DATA CONNECTION FROM NEAREST DATA NETWORK COMMUNICATIONS ROOM.
• "CONDUIT" = PROVIDE EMPTY 3/4" CONDUIT BETWEEN INDIVIDUAL EQUIPMENT UNITS TO ACCOMMODATE CONTROL CABLEING BY MECHANICAL OR TEMPERATURE CONTROLS CONTRACTOR.
• "EPO" = PROVIDE EMERGENCY POWER OFF. REFER TO FLOOR PLANS FOR DEVICE LOCATION.
E. DISCONNECT ETC.:
• "MECHANICAL" = DISCONNECT IS FURNISHED BY MECHANICAL CONTRACTOR OR PROVIDED WITH MECHANICAL EQUIPMENT.
• ELECTRICAL CONTRACTOR SHALL PROVIDE MOUNTING AND ADDITIONAL CONNECTIONS REQUIRED FOR LOOSE DISCONNECTS FURNISHED BY THE MECHANICAL CONTRACTOR.
• "ELECTRICAL" = DISCONNECT IS FURNISHED BY ELECTRICAL CONTRACTOR. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT FURNISHED BY MECHANICAL CONTRACTOR.
• "MANUFACTURER" = DISCONNECT IS FURNISHED BY EQUIPMENT MANUFACTURER. ELECTRICAL CONTRACTOR SHALL PROVIDE MOUNTING AND ADDITIONAL CONNECTIONS REQUIRED FOR LOOSE DISCONNECTS FURNISHED BY EQUIPMENT MANUFACTURER.
F. DISCONNECT TYPE - PROVIDE DISCONNECT RECEPTACLE AT EQUIPMENT LOCATION AND ASSOCIATED CONNECTION TO EQUIPMENT AND BRANCH CIRCUIT:
• "NEMA" = DUPLEX (TYPE RECEPTACLE TO ACCOMMODATE CORD AND PLUS CONNECTION (CORD AND PLUS) FURNISHED WITH EQUIPMENT UNLESS NOTED OTHERWISE)
• "RECSW" = PROVIDE 20A 120V RECEPTACLE OR 20A TOGGLE SWITCH DISCONNECT.
• COORDINATE REQUIRED SELECTION WITH EQUIPMENT.
• "NF" = NON-FUSED DISCONNECT. SIZE AND POLE QUANTITY AS INDICATED. 20A AND SMALLER SHALL BE TOGGLE SWITCH DISCONNECT.
• "F" = FUSED DISCONNECT. SIZE AND POLE QUANTITY AS INDICATED.
• FUSE PER MANUFACTURER'S RECOMMENDATIONS.
• "RUSTAT" = SWITCH AND RUSTAT. FUSE SIZE PER EQUIPMENT MANUFACTURER.
• LOCATE SWITCH IN CONCEALED ACCESSIBLE LOCATION.
• "ENCL. CB" = ENCLOSED CIRCUIT BREAKER DISCONNECT.
• SIZE POLE QUANTITY, AND FLUSH SURFACE MOUNTING AS INDICATED.
• "ENCL. MCSW" = ENCLOSED MOLDED CASE SWITCH DISCONNECT.
• SIZE POLE QUANTITY, AND FLUSH SURFACE MOUNTING AS INDICATED.
• "SHUNT ENCL. CB" = SHUNT TRIP ENCLOSED CIRCUIT BREAKER DISCONNECT.
• SIZE POLE QUANTITY, AND FLUSH SURFACE MOUNTING AS INDICATED. PROVIDE WITH INTEGRAL 120V CONTROL TRANSFORMER SERVED FROM LINE SOURCE WITH PRIMARY AND SECONDARY FUSING. COORDINATE ENCLOSURE AND COVER SIZE TO ACCOMMODATE TRANSFORMER. PROVIDE WITH EQUIPMENT GROUND BAR AND SEPARATE INSULATED ISOLATED GROUND BAR. WHERE NEUTRAL CONDUCTOR IS UTILIZED, PROVIDE SOLID NEUTRAL BAR. CONNECT SHUNT TRIP VOLTAGE SOURCE AND ACTUATOR TO ASSOCIATED EMERGENCY POWER (EPO) SWITCHES. PROVIDE EPO AND COORDINATE LOCATION.
• "LOCK CB" = CIRCUIT BREAKER CAPABLE OF BEING LOCKED IN THE OPEN POSITION, LOCATED IN THE SOURCE ELECTRICAL PANEL. THE PROVISIONS FOR LOCKING MUST REMAIN IN PLACE WITH OR WITHOUT THE LOCK INSTALLED.
• "MAG" = COMBINATION MAGNETIC MOTOR STARTER WITH DISCONNECT (COORDINATE COIL VOLTAGE WITH CONTROL SOURCE). LOCATE COMBINATION MAGNETIC MOTOR STARTER TO SERVE AS THE MOTOR DISCONNECT. WHERE STARTER SERVES OUTDOOR EQUIPMENT, LOCATE STARTER IN THE SOURCE ELECTRICAL ROOM.
• "MAN" = COMBINATION MANUAL MOTOR STARTER WITH DISCONNECT. LOCATE COMBINATION MANUAL MOTOR STARTER TO SERVE AS THE MOTOR DISCONNECT. WHERE STARTER SERVES OUTDOOR EQUIPMENT, LOCATE STARTER IN THE SOURCE ELECTRICAL ROOM.
• "VFD" = VARIABLE FREQUENCY DRIVE CONTROLLER. LOCATE VARIABLE FREQUENCY DRIVE CONTROL TO SERVE AS THE MOTOR DISCONNECT.
• "INT" = DISCONNECT IS MANUFACTURED INTEGRAL TO THE EQUIPMENT.
• "HW" = HARDWIRED. DISCONNECT NOT REQUIRED.
• LOCATE DISCONNECT ADJACENT TO EQUIPMENT PER NEC - PROVIDE WITH STRUT MOUNTING AS REQUIRED.
• LOCATE RECEPTACLE OR JUNCTION BOX TO DIRECTLY SERVE EQUIPMENT.
• COORDINATE EXACT LOCATION WITH ARCHITECT, ARCHITECTURAL DETAILS, AND EQUIPMENT MANUFACTURER'S REQUIREMENTS.
• WHERE DISCONNECT SERVES OUTDOOR EQUIPMENT, PROVIDE AS NEMA-3R.
• PROVIDE DISCONNECT WITH EQUIPMENT GROUND KIT.
• WHERE FEEDER INDICATED UTILIZES A NEUTRAL, PROVIDE DISCONNECT WITH SOLID NEUTRAL KIT.
• DISCONNECTS NOT SHOWN AS "F" OR "NF" SHALL BE NON-FUSED.
• DISCONNECTS OF MOTORS SERVED FROM A VFD SHALL CONTAIN AUXILIARY CONTACTS CONNECTED TO THE VFD TO DISABLE VFD UPON DISCONNECTION.
• WHERE STARTERS OR VFD'S CONTAIN INTEGRAL DISCONNECTS AND ARE LOCATED PER NEC TO SATISFY AS THE EQUIPMENT DISCONNECT, AN ADDITIONAL EQUIPMENT DISCONNECT IS NOT REQUIRED.
G. FEEDERS:
• PROVIDE CONDUCTORS AND RACEWAY AS INDICATED. TYPICAL FORMAT IS: (FEEDER TAG) (NOMINAL SIZE) CONDUCTORS AND RACEWAY REQUIRED.
H. SCCR - EQUIPMENT IS SERVED FROM A SOURCE PANEL PROVIDED WITH GENERATOR BACKUP.
I. SCCR - VALUE INDICATED IS AVAILABLE SHORT CIRCUIT CURRENT (SCC) IN KILOMMERS AT THE EQUIPMENT BASED ON PRELIMINARY DESIGN PHASE CALCULATIONS. EQUIPMENT SCCR SHALL BE MINIMUM 100% OF THE AVAILABLE SCC. RATING SHALL BE ADJUSTED IF REQUIRED BASED ON FINAL SCC CALCULATION. EQUIPMENT INDICATED WITH 5 KA MAY BE PROVIDED WITH 5 KA SCCR.

COORDINATION OF WORK SCHEDULE - SCOPE 2				
ITEM	SUPPLIER	INSTALLER	POWER	CONTROL (4)
MOTORS	MC	MC (3)	EC	CC
MOTOR CONTROL CENTER	EC	EC	EC	CC
EQUIPMENT MOUNTED ELECTRICAL COMPONENTS	MC	MC	EC	CC
LOOSE MOUNTED ELECTRICAL COMPONENTS	EC	EC	EC	CC
CONTROL, RELAYS, TRANSFORMERS, POWER	MC	EC	EC (4)	CC
TEMPERATURE CONTROL SENSORS	MC	MC	CC	CC
TEMPERATURE CONTROL PANELS	MC	CC	EC (4)	CC
VARIABLE SPEED DRIVES	MC	MC	EC	CC
TERMINAL BOX CONTROLS	MC	MC	EC (4)	CC
PEEP SWITCHES, SOLENOID VALVES, ACTUATORS	CC	CC	EC (4)	CC
PUSHBUTTON STATIONS	EC	EC	EC (4)	EC
DX CONDENSING UNITS AND CONDENSERS	MC	MC	EC	CC (1)
SMOKE DAMPERS	MC	MC	EC	EC
MEDICAL GAS ALARM WIRING	MC	MC	EC	MC (2)

REMARKS:
1. IF NO CC IN CONTRACT, MC TO WIRE CONTROLS AND EC TO PIPE CONDUIT.
2. ALL LOW VOLTAGE WIRING OF PANELS TO BE COVERED IN MC BPE. WIRING CONTRACTOR TO BE SUBCONTRACTOR TO MC.
3. INSTALLING CONTRACTOR IS RESPONSIBLE FOR FIELD ALIGNMENT SERVICES WHEN REQUIRED BY COMMON MOTOR REQUIREMENTS SPECIFICATION OR BY INDIVIDUAL EQUIPMENT SPECIFICATIONS.
4. ALL HARDWARE, SOFTWARE, EQUIPMENT, ACCESSORIES, WIRING (POWER AND SENSOR), PIPING, RELAYS, SENSORS, POWER SUPPLIES, TRANSFORMERS, AND INSTRUMENTATION REQUIRED FOR A COMPLETE AND OPERATIONAL DDC SYSTEM, BUT NOT SHOWN ON THE ELECTRICAL DRAWINGS, ARE THE RESPONSIBILITY OF THE CC.

LUMINAIRE SCHEDULE - SCOPE 2													
MARK	DESCRIPTION	SUBS	MANUFACTURER	CATALOG # (NOTE A)	LUMENS	CCT (K)	MIN. CRI	VOLTAGE	INPUT WATTS	MOUNTING	REMARKS		
A1	2x4 VOLUMETRIC - 3000 LM	Y	LITHONIA	STAMP-2x4-3000LM-60CRI-40K-COL-MIN10-6MVOLT	2,690	4000	90	120 V	23	CEILING - RECESSED			
A2	2x4 VOLUMETRIC - 3000 LM	Y	LITHONIA	STAMP-2x4-3000LM-60CRI-38K-COL-MIN10-6MVOLT	4,600	4000	90	120 V	39	CEILING - RECESSED			
B1	2x4 BACKLIT PANEL - 4500 LM	Y	METALUX	22GTX-35H-E190	3,090	4000	90	120 V	27	CEILING - RECESSED			
B2	2x4 BACKLIT PANEL - 4500 LM	Y	METALUX	24GTX-43H-E190	3,960	4000	90	120 V	35	CEILING - RECESSED			
B3	2x4 BACKLIT PANEL - 4500 LM	Y	METALUX	24GTX-65H-E190	5,620	4000	90	120 V	50	CEILING - RECESSED			
C1	COVE - NURSE STATION - LED FLEX	P	LLI ARCHITECTURAL	LLN3-TW-68-SSS-40K-24V-X	150FT	4000	80	120 V	4	COVE - SURFACE	4		
C2	DESK - NURSE STATION - LED FLEX	P	LLI ARCHITECTURAL	LLN3-TW-68-SSS-40K-24V-X	150FT	4000	80	120 V	4	CASEWORK - SURFACE	4		
D1	4" ROUND OPEN DOWNLIGHT - 1000 LM	Y	LITHONIA	LDN-40-1015-04-AR-LS-TRW-MVOLT-GZ10-60CRI	990	4000	90	120 V	11	CEILING - RECESSED			
D2	6" ROUND OPEN DOWNLIGHT - 1500 LM	Y	LITHONIA	LDN-60-1015-04-AR-LS-TRW-MVOLT-GZ10-60CRI	1,290	4000	90	120 V	18	CEILING - RECESSED			
D3	4" ROUND SHOWER DOWNLIGHT - 2000 LM	Y	GOTHAM	EVDSSH-4020-DFR-SMO-MVOLT-EZ1-60CRI	1,430	4000	90	120 V	20	CEILING - RECESSED			
D4	4" ROUND SHOWER DOWNLIGHT - 2000 LM	Y	GOTHAM	EVDSSH-4020-DFR-SMO-MVOLT-EZ1-60CRI	1,430	4000	90	120 V	20	CEILING - RECESSED			
K1	LED STRIP - 4' - 4500 LM	Y	DAY-BRITE	FSS-4-65-840-UM-DM	3,300	4000	80	120 V	41	CEILING - RECESSED			
N1	EXIT SIGN - SINGLE	Y	LITHONIA	LSN-84V-3-6-12027T	-	-	-	120 V	1	WALL - SURFACE	1		
N2	NIGHTLIGHT - 1"RU WALL - AMBER	P	AXIS	BCS-1"R-AM-AMB-AMM-UV1	-	-	-	120 V	2	WALL - SURFACE	2		
U2	2" UNDERCABINET LIGHT	Y	HALO	HU11-24-D8-3000K-P	785	3000	80	120 V	11	CASEWORK - SURFACE	6		
V1	ILLUMINATED VANITY MIRROR - 24"x36"	P	MATRIX MIRRORS	LO3B-2436-H-40-V-1	3,750	4000	90	120 V	30	WALL - SURFACE	2		
W2	EGRESS WALLPACK - WEDGE	Y	LITHONIA	WDGE-LED-P1-30K-60CRI-VF-MVOLT-D*	1,160	3000	70	120 V	10	WALL - SURFACE	2		
X1	EXIT SIGN - SINGLE	Y	LITHONIA	LSN-84V									