Docusign Envelope ID: 5E425596-E7FD-4A74-8BB4-63FF8F18F63D

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

Addendum No. 03

To Contract Documents for Construction

DATE 2/3/2026
PROJECT Infrastructure Upgrades and Inpatient 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	01-7419	07-5400	08-4313				

Drawing Sheets							
1.100	1.101.CO	1.290	2.301	2.401.DE	2.401.FL	2.401.FN	2.401.FP
2.401.RC	2.500	2.510	2.520	2.540	2.601	2.602	2.630

Specifications

1. **Document 00-0110 - Table of Contents** (Reissued)
   A. Add AD-03 to Issuances.
   B. Document revised and reissued in its entirety.
2. **Section 01-2300 - Alternates** (Omitted)
   A. Delete section in its entirety.
3. **Section 01-7419 - Construction Waste Management and Disposal** (Reissued)
   A. Section revised and reissued in its entirety.
4. **Section 07-5400 - Thermoplastic Membrane Roofing** (Reissued)
   A. Section revised and reissued in its entirety.
5. **Section 08-4313 - Aluminum-Framed Storefronts** (Reissued)
   A. Section revised and reissued in its entirety.

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Drawings

1. **Sheet 1.100 – CONSTRUCTION DOCUMENTS TITLE SHEET** (Reissued)
   A. Revise sheet list as clouded.
2. **Sheet 1.101.CO – CODE PLAN, CODE SUMMARY, SYMBOLS LEGEND** (Reissued)
   A. Revise construction limits as clouded.
   B. Remove Add Alternate from plan.
3. **Sheet 1.290 – STRUCTURAL NOTES and SPECIAL INSPECTION** (Reissued)
   A. Cast-in-Place Concrete Work: Delete notes 6 and 7
   B. Structural Steel Work: Delete notes 3, 4, 5, and 6
   C. Structural Cold-Formed Metal Framing: Delete in its entirety
   D. Delete Special Inspection table for Steel Joists
   E. Delete Sections 1 and 2
4. **Sheet 2.301 – SCOPE 2 ROOF FRAMING PLAN** (Reissued)
   A. Roof Framing Plan: Revise as clouded
   B. Delete Sections 7 and 8
5. **Sheet 2.302 – ADD ALTERNATE FRAMING PLANS** (Omitted)
   A. Delete sheet from set.
6. **Sheet 2.305 – STRUCTURAL DETAILS** (Omitted)
   A. Delete sheet from set.
7. **Sheet 2.401.DE – DEMOLITION PLAN** (Reissued)
   A. Revise construction limits as clouded.
   B. Remove Keynotes DE35-DE39.
8. **Sheet 2.401.FL – FLOOR PLAN AND PARTITION TYPES** (Reissued)
   A. Revise construction limits as clouded.
   B. Remove information about Add Alternate 1.
9. **Sheet 2.401.FN – FINISH PLAN AND FINISH SCHEDULE** (Reissued)
   A. Revise construction limits as clouded.
   B. Revise finishes as clouded.
   C. Remove information about Add Alternate 1.
10. **Sheet 2.401.FP – FLOOR PATTERN PLAN** (Reissued)
   A. Revise construction limits as clouded.
   B. Revise finishes as clouded.

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C. Remove information about Add Alternate 1.

11. **Sheet 2.401.RC – REFLECTED CEILING PLAN** (Reissued)

A. Revise construction limits as clouded.

B. Revise ceilings as clouded.

C. Remove information about Add Alternate 1.

12. **Sheet 2.500 – ROOF PLAN** (Reissued)

A. Revise construction limits as clouded.

B. Remove all notes associated with new roofing.

C. Remove section 1B from sheet.

D. Remove section 1H from sheet.

E. Remove roof type from sheet.

F. Remove information about Add Alternate 1.

13. **Sheet 2.510 – EXTERIOR ELEVATIONS, WALL SECTIONS AND EXTERIOR WALL TYPES** (Reissued)

A. Remove section 1H from sheet.

B. Remove section 2H from sheet.

C. Remove section 3H from sheet.

D. Remove section 7H from sheet.

E. Remove section reference 7D/2.540 from all wall sections.

F. Remove Exterior Elevation 5D from sheet.

G. Remove Exterior Elevation 3E from sheet.

H. Remove keynotes EE24 & EE25 from elevations 1B, 3D & 6E.

I. Remove Add Alternate reference from elevations 1B & 3D.

J. Remove keynotes EE28 from elevation 1D.

14. **Sheet 2.520 – OPENING SCHEDULE, DOOR PANEL AND FRAME TYPES** (Reissued)

A. Remove doors 001-004A from scope & schedule.

B. Remove doors 023-024 from scope & schedule.

C. Remove door 127 from scope & schedule.

15. **Sheet 2.540 – EXTERIOR DETAILS** (Reissued)

A. Remove section 1H from sheet.

B. Remove section 3H from sheet.

C. Remove detail 7H from sheet.

D. Remove detail 7G from sheet.

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E. Remove detail 3E from sheet.

F. Remove detail 7E from sheet.

G. Remove detail 7D from sheet.

16. **Sheet 2.601 – ¼″ PLANS, INTERIOR ELEVATIONS – STAFF SPACES** (Reissued)

    A. Revise construction limits as clouded.

    B. Revise location of EVS closet & Meds/Nourishment.

    C. Revise elevations 2C & 3C.

    D. Remove elevations 1B, 3B, 4B, 6B, 5C & 7C from sheet.

17. **Sheet 2.602 – ¼″ PLANS, INTERIOR ELEVATIONS – STAFF BREAK, PATIENT ROOMS AND TOILETS** (Reissued)

    A. Remove enlarged plan 1H from sheet.

    B. Remove elevations 4H, 5H, 6H, 7H, 1F, 3F, 4F, 5F, 7F from sheet.

18. **Sheet 2.610 – ADD ALTERNATE - ¼″ PLAN, RCP, ROOF PLAN, AND FINISH PLAN, OPENING SCHEDULE**(Reissued)

    A. Remove sheet from set.

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

    A. Remove sheet from set.

20. **Sheet 2.612 – ADD ALTERNATE – WALL SECTIONS AND EXTERIOR DETAILS** (Reissued)

    A. Remove sheet from set.

21. **Sheet 2.630 – INTERIOR DETAILS** (Reissued)

    A. Revise detail 1E.

    B. Remove detail 3E from sheet.

END ADDENDUM NO. 03

B|W|B|R

Addendum No. 03

To Contract Documents for Construction
Specialized Engineering Solutions

DATE 2/3/2026
PROJECT Lawrence County Hospital Inpatient Renovation
CLIENT Specialized Engineering Solutions
BWBR COMM. #

PREPARED BY

Specialized Engineering Solutions
10360 Ellison Circle
Omaha, Nebraska 68134

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

Aaron Anderson License No. E-13987

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							
2.700.DM	2.700.DP	2.700.M	2.700.P	2.701.DF	2.701.DP	2.701.F	2.701.M
2.701.P	2.702.DP	2.702.P	2.750	2.760	2.800.DH	2.800.P	2.801.DH
2.801.H	2.801.P	2.802.DH	2.802.H	2.851	2.860	2.861	2.900
2.901.DE	2.901.L	2.901.LC	2.901.P	2.901.V	2.902.DE	2.902.P	2.930
2.970	2.971						

Drawings

1. **Sheet 2.700.DM – CRAWL SPACE – MEDICAL GAS DEMOLITION PLAN (Reissued)**
   A. Revised fire protection scope of work.
   B. Removed Alternate 1 information.
2. **Sheet 2.700.DP – CRAWL SPACE – PLUMBING DEMOLITION PLAN (Reissued)**
   A. Revised crawl space plumbing demolition scope based on VE.
3. **Sheet 2.700.M – CRAWL SPACE – MEDICAL GAS PLAN (Reissued)**
   A. Revised medical oxygen piping to backfeed existing.
   B. Revised medical vacuum pipe size.
4. **Sheet 2.700.P – CRAWL SPACE – PLUMBING PLAN (Reissued)**
   A. Revised scope based on VE.

B. Added new piping to serve new fixtures.

5. **Sheet 2.701.DF – FIRST LEVEL – FIRE PROTECTION DEMOLITION PLAN (Reissued)**

   A. Revised fire protection scope of work.

6. **Sheet 2.701.DP – FIRST LEVEL – PLUMBING DEMOLITION PLAN (Reissued)**

   A. Revised plumbing demolition scope based on VE.

7. **Sheet 2.701.F – FIRST LEVEL – FIRE PROTECTION PLAN (Reissued)**

   A. Revised fire protection scope of work.

   B. Removed Alternate 1 reference.

8. **Sheet 2.701.M – FIRST LEVEL – MEDICAL GAS PLAN (Reissued)**

   A. Revised medical gas scope based on VE.

   B. Removed Alternate 1 reference.

   C. Revised medical oxygen piping to backfeed existing.

   D. Revised medical vacuum pipe size.

9. **Sheet 2.701.P – FIRST LEVEL – PLUMBING PLAN (Reissued)**

   A. Revised scope based on VE.

   B. Added L-2.

   C. Added new piping to serve new fixtures.

10. **Sheet 2.702.DP – ROOF LEVEL – PLUMBING DEMOLITION PLAN (Reissued)**

    A. Revised plumbing demolition scope based on VE.

11. **Sheet 2.702.P – ROOF LEVEL – PLUMBING PLAN (Reissued)**

    A. Revised scope based on VE.

12. **Sheet 2.750 – PLUMBING DETAILS (Reissued)**

    A. Revised Plumbing Equipment Mounting Height detail.

    B. Removed Counter Mounted Ice Machine Wall Box Connection – Below Counter detail.

13. **Sheet 2.760 – PLUMBING SCHEDULES (Reissued)**

    A. Revised Zone Valve Schedule.

    B. Added L-2.

    C. Removed WB-1.

    D. Revised Alarm Panel schedule.

14. **Sheet 2.800.DH – CRAWL SPACE – MECHANICAL DEMOLITION PLAN (Reissued)**

    A. Revised crawl space piping based on VE.

15. **Sheet 2.800.P – CRAWL SPACE – HYDRONIC PIPING PLAN (Reissued)**
    A. Revised crawl space piping based on VE.
16. **Sheet 2.801.DH – FIRST LEVEL – MECHANICAL DEMOLITION PLAN (Reissued)**
    A. Revised mechanical demolition based on VE.
17. **Sheet 2.801.H – FIRST LEVEL – DUCTWORK PLAN (Reissued)**
    A. Revised mechanical scope based on VE.
    B. Removed sheet note 3.
    C. Added VB-17-08.
18. **Sheet 2.801.P – FIRST LEVEL – HYDRONIC PIPING PLAN (Reissued)**
    A. Revised mechanical scope based on VE.
    B. Added VB-17-08, associated piping, and thermostat.
19. **Sheet 2.802.DH – ROOF LEVEL – MECHANICAL DEMOLITION PLAN (Reissued)**
    A. Removed sheet note 4.
    B. Revised demolition scope of exhaust fan.
20. **Sheet 2.802.H – ROOF LEVEL – MECHANICAL PLAN (Reissued)**
    A. Removed AHU-15.
    B. Removed sheet note 3 and associate piping relocation.
21. **Sheet 2.851 – CONTROL DETAILS (Reissued)**
    A. Revised control detail name.
22. **Sheet 2.860 – MECHANICAL SCHEDULES (Reissued)**
    A. Revised air handling unit schedules to remove AHU-15.
    B. Revised AHU detail to remove AHU-15 reference.
    C. Revised AHU-17 airflows.
23. **Sheet 2.861 – MECHANICAL SCHEDULES (Reissued)**
    A. Revised Variable Volume Box – 140°F Hot Water Reheat – Scope 2 schedule to remove AHU-15 VAV boxes.
    B. Added VB-17-08 to Variable Volume Box – 140°F Hot Water Reheat – Scope 2 schedule.
24. **Sheet 2.900 – ELECTRICAL SYMBOLS AND ABBREVIATIONS (Reissued)**
    A. Removal of surface raceway scope per VE effort.
25. **Sheet 2.901.DE – FIRST LEVEL – ELECTRICAL DEMOLITION PLAN (Reissued)**
    A. Revised electrical scope of work per VE effort.
26. **Sheet 2.901.L – FIRST LEVEL – LIGHTING PLAN (Reissued)**
    A. Reduced electrical scope of work per VE effort.

27. **Sheet 2.901.LC – FIRST LEVEL – LIGHTING CONTROL PLAN (Reissued)**
    A. Reduced electrical scope of work per VE effort.
    B. Included control tag for patient rooms.
28. **Sheet 2.901.P – FIRST LEVEL – POWER PLAN (Reissued)**
    A. Reduced electrical scope of work per VE effort.
29. **Sheet 2.901.V – FIRST LEVEL – LOW VOLTAGE PLAN (Reissued)**
    A. Reduced electrical scope of work per VE effort.
30. **Sheet 2.902.DE – ROOF LEVEL – ELECTRICAL DEMOLITION PLAN (Reissued)**
    A. Revised electrical scope of work per VE effort.
31. **Sheet 2.902.P – ROOF LEVEL – POWER PLAN (Reissued)**
    A. Reduced electrical scope of work per VE effort. Removed connection to AHU-15.
32. **Sheet 2.930 – ENLARGED FLOOR PLANS – POWER AND LOW VOLTAGE (Reissued)**
    A. Removed enlarged views of east/west patient rooms and nourish room per VE effort.
33. **Sheet 2.931 – ELECTRICAL ENLARGED PLANS – ADD ALTERNATE** (Omitted)
    A. Removed sheet per VE effort.
34. **Sheet 2.932 – ELECTRICAL ENLARGED PLANS – ADD ALTERNATE** (Omitted)
    A. Removed sheet per VE effort.
35. **Sheet 2.970 – ELECTRICAL SCHEDULES (Reissued)**
    A. Revised equipment schedule with the removal of AHU-15.
    B. Revised lighting control schedule to include patient room control.
36. **Sheet 2.971 – ELECTRICAL PANEL SCHEDULES (Reissued)**
    A. Revised circuiting on panels due to reduced scope of work per VE effort.

END ADDENDUM NO. 03

		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] [AD-02] [AD-03]	■		
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~~ [AD-03]	■		
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 [AD-03]	■		
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	■		

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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 [AD-02] [AD-03]	■		
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 [AD-03]	■		
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	■		

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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 [AD-02]	■		
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				
	Not Used	-		
DIVISION 12 - FURNISHINGS				
12-2400	Window Shades	■		
12-3600	Countertops	■		
DIVISIONS 13 - 14				
	Not Used	-		
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				
	Not Used	-		
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				
	Not Used	-		
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 01-7419 - CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL

PART 1 GENERAL

1.01 WASTE MANAGEMENT REQUIREMENTS

A. Owner requires that this project generate the least amount of trash and waste possible.

B. Employ processes that ensure the generation of as little waste as possible due to error, poor planning, breakage, mishandling, contamination, or other factors.

C. Minimize trash/waste disposal in landfills; reuse, salvage, or recycle as much waste as economically feasible.
~~Minimum Recycling: 75 percent.~~
~~Owner may decide to pay for additional recycling, salvage, and/or reuse based on Landfill Alternatives Proposal specified below.~~
~~Contractor Reporting Responsibilities: Submit periodic Waste Disposal Reports; report landfill disposal, incineration, recycling, salvage, and reuse regardless of to whom the cost or savings accrues; use the same units of measure on required reports.~~

D. Develop and follow a Waste Management Plan designed to implement these requirements.

E. Methods of trash/waste disposal that are not acceptable are:
1. Burning on the project site.
2. Burying on the project site.
3. Dumping or burying on other property, public or private.
4. Other illegal dumping or burying.
5. Incineration, either on- or off-site.

F. Regulatory Requirements: Contractor is responsible for knowing and complying with regulatory requirements, including but not limited to Federal, state and local requirements, pertaining to legal disposal of all construction and demolition waste materials.

G. Disposal Sites, Recyclers, and Waste Material Processors: Use only facilities properly permitted by the State where the Project is located, and by local authorities where applicable.

1.02 RELATED REQUIREMENTS

A. Section 01-5000 - Temporary Facilities and Controls: Additional requirements related to trash/waste collection and removal facilities and services.

B. Section 01-6000 - Product Requirements: Waste prevention requirements related to delivery, storage, and handling.

C. Section 01-7000 - Execution and Closeout Requirements: Trash/waste prevention procedures related to demolition, cutting and patching, installation, protection, and cleaning.

1.03 DEFINITIONS

A. Clean: Untreated and unpainted; not contaminated with oils, solvents, caulk, or the like.

B. Construction and Demolition Waste: Solid wastes typically including building materials, packaging, trash, debris, and rubble resulting from construction, remodeling, repair and demolition operations.

C. Construction Waste Management Plan (CWMP): The Contractor's plan to collect, segregate, and recycle or recover the stated minimum percent of construction wastes and debris generated by the Work.

D. Hazardous: Exhibiting the characteristics of hazardous substances, i.e., ignitibility, corrosivity, toxicity or reactivity; including, but not limited to, aerosols, paints, activators, adhesives, and caulks.

E. Mixed Solid Waste: Solid waste commonly collected as a municipal service, exclusive of other defined waste materials.

F. Nonhazardous: Exhibiting none of the characteristics of hazardous substances, i.e., ignitibility, corrosivity, toxicity, or reactivity.

G. Nonrecyclable Waste: Waste not defined as recyclable waste.

H. Nontoxic: Neither immediately poisonous to humans nor poisonous after a long period of exposure.

I. Recyclable: The ability of a product or material to be recovered at the end of its life cycle and remanufactured into a new product for reuse by others.

J. Recyclable Waste: Waste materials generated during demolition or construction, including the following:
   1. Land clearing debris: Solid waste generated solely from land clearing operations, such as stumps and trees.
   2. Concrete and Masonry: Clean concrete, brick, rock, masonry.
   3. Metals: Scrap iron, steel. copper, brass, aluminum.
   4. Untreated, Unpainted Wood: Dimension lumber, timers, engineered wood products, plywood, oriented strand board, hardboard, particleboard, wood shipping pallets, wood crates.
   5. Gypsum Wallboard Scrap: Scrap, excess material.
   6. Paper and Cardboard: Discarded files, correspondence, clean corrugated cardboard used for packaging, and similar materials.

K. Recycle: To remove a waste material from the project site to another site for remanufacture into a new product for reuse by others.

L. Recycling: The process of sorting, cleansing, treating and reconstituting solid waste and other discarded materials for the purpose of using the altered form. Recycling does not include burning, incinerating, or thermally destroying waste.

M. Return: To give back reusable items or unused products to vendors for credit.

N. Reuse: To reuse a construction waste material in some manner on the project site.

O. Salvage: To remove a waste material from the project site to another site for resale or reuse by others.

P. Sediment: Soil and other debris that has been eroded and transported by storm or well production run-off water.

Q. Source Separation: The act of keeping different types of waste materials separate beginning from the first time they become waste.

R. Toxic: Poisonous to humans either immediately or after a long period of exposure.

S. Trash: Any product or material unable to be reused, returned, recycled, or salvaged.

T. Waste: Excess materials generated during demolition or construction. Extra material or material that has reached the end of its useful life in its intended use. Waste includes packing, containers, demolition products, removed materials and equipment, cut-offs, damanged products, and other materials and products that cannot be effectively used in the Work. Waste also includes salvageable, returnable, recyclable, and reusable material.

1.04 SUBMITTALS

A. Landfill Alternatives Proposal: Within 10 calendar days after receipt of Notice of Award of Bid, or prior to any trash or waste removal, whichever occurs sooner, submit a projection of trash/waste that will require disposal and alternatives to landfilling, with net costs.
   1. Submit to Architect for Owner's review and approval.
      ~~If Owner wishes to implement any cost alternatives, the Contract Price will be adjusted as specified elsewhere.~~
      ~~Include an analysis of trash/waste to be generated and landfill options as specified for Waste Management Plan described below.~~
      ~~Describe as many alternatives to landfilling as possible:~~
         ~~List each material proposed to be salvaged, reused, or recycled.~~
         ~~List the proposed local market for each material.~~
         ~~State the estimated net cost resulting from each alternative, after subtracting revenue from sale of recycled or salvaged materials and landfill tipping fees saved due to diversion of materials from the landfill.~~
   2. Provide alternatives to landfilling for at least the following materials:
      a. Aluminum and plastic beverage containers.

b. Corrugated cardboard.
c. Wood pallets.
d. Clean dimensional wood.
e. Land clearing debris, including brush, branches, logs, and stumps.
f. Concrete.
g. Bricks.
h. Concrete masonry units.
i. Asphalt paving.
j. Metals, including packaging banding, metal studs, sheet metal, structural steel, piping, reinforcing bars, door frames, and other items made of steel, iron, galvanized steel, stainless steel, aluminum, copper, zinc, lead, brass, and bronze.
k. Glass.
l. Gypsum drywall and plaster.
m. Carpet, carpet cushion, carpet tile, and carpet remnants, both new and removed: DuPont (http://flooring.dupont.com) and Interface (www.interfaceinc.com) conduct reclamation programs.
n. Paint.
o. Rigid foam insulation.
p. Windows, doors, and door hardware.
q. Plumbing fixtures.
r. Acoustical ceiling tile and panels.

B. Once Owner has determined which of the landfill alternatives addressed in the Proposal above are acceptable, prepare and submit Waste Management Plan; submit within 10 calendar days after notification by Architect.

C. Waste Management Plan: Include the following information:
1. Analysis of the trash and waste projected to be generated during the entire project construction cycle, including types and quantities.
2. Landfill Options: The name, address, and telephone number of the landfill(s) where trash/waste will be disposed of, the applicable landfill tipping fee(s), and the projected cost of disposing of all project trash/waste in the landfill(s).
3. Landfill Alternatives: List all waste materials that will be diverted from landfills by reuse, salvage, or recycling.
4. Meetings: Describe regular meetings to be held to address waste prevention, reduction, recycling, salvage, reuse, and disposal.
5. Materials Handling Procedures: Describe the means by which materials to be diverted from landfills will be protected from contamination and prepared for acceptance by designated facilities; include separation procedures for recyclables, storage, and packaging.
6. Transportation: Identify the destination and means of transportation of materials to be recycled; i.e. whether materials will be site-separated and self-hauled to designated centers, or whether mixed materials will be collected by a waste hauler.

~~Waste Disposal Reports: Submit at specified intervals, with details of quantities of trash and waste, means of disposal or reuse, and costs; show both totals to date and since last report.~~

~~Submit updated Report with each Application for Progress Payment; failure to submit Report will delay payment.~~

~~Submit Report on a form acceptable to Owner.~~

~~Landfill Disposal: Include the following information:~~

~~Identification of material.~~

~~Amount, in tons or cubic yards, of trash/waste material from the project disposed of in landfills.~~

~~State the identity of landfills, total amount of tipping fees paid to landfill, and total disposal cost.~~

~~Include manifests, weight tickets, receipts, and invoices as evidence of quantity and cost.~~

~~Recycled and Salvaged Materials: Include the following information for each:~~

~~Identification of material, including those retrieved by installer for use on other projects.~~

~~Amount, in tons or cubic yards, date removed from the project site, and receiving party.~~

~~Transportation cost, amount paid or received for the material, and the net total cost or savings of salvage or recycling each material.~~

~~Include manifests, weight tickets, receipts, and invoices as evidence of quantity and cost.~~

~~Certification by receiving party that materials will not be disposed of in landfills or by incineration.~~

~~Material Reused on Project: Include the following information for each:~~

~~Identification of material and how it was used in the project.~~

~~Amount, in tons or cubic yards.~~

~~Include weight tickets as evidence of quantity.~~

~~Other Disposal Methods: Include information similar to that described above, as appropriate to disposal method.~~

PART 2 PRODUCTS -- NOT USE

PART 3 EXECUTION

3.01 WASTE MANAGEMENT PROCEDURES

A. See Section 01-5000 for additional requirements related to trash/waste collection and removal facilities and services.

B. See Section 01-6000 for waste prevention requirements related to delivery, storage, and handling.

C. See Section 01-7000 for trash/waste prevention procedures related to demolition, cutting and patching, installation, protection, and cleaning.

3.02 WASTE MANAGEMENT PLAN IMPLEMENTATION

A. Manager: Designate an on-site person or persons responsible for instructing workers and overseeing and documenting results of the Waste Management Plan.

B. Communication: Distribute copies of the Waste Management Plan to job site foreman, each subcontractor, Owner, and Architect.

C. Instruction: Provide on-site instruction of appropriate separation, handling, and recycling, salvage, reuse, and return methods to be used by all parties at the appropriate stages of the project.

D. Meetings: Discuss trash/waste management goals and issues at project meetings.
   1. Prebid meeting.
   2. Preconstruction meeting.
   3. Regular job-site meetings.

E. Facilities: Provide specific facilities for separation and storage of materials for recycling, salvage, reuse, return, and trash disposal, for use by all contractors and installers.
   1. Provide containers as required.
   2. Provide adequate space for pick-up and delivery and convenience to subcontractors.
   3. Keep recycling and trash/waste bin areas neat and clean and clearly marked in order to avoid contamination of materials.

F. Hazardous Wastes: Separate, store, and dispose of hazardous wastes according to applicable regulations.

G. Recycling: Separate, store, protect, and handle at the site identified recyclable waste products in order to prevent contamination of materials and to maximize recyclability of identified materials. Arrange for timely pickups from the site or deliveries to recycling facility in order to prevent contamination of recyclable materials.

H. Reuse of Materials On-Site: Set aside, sort, and protect separated products in preparation for reuse.

I. Salvage: Set aside, sort, and protect products to be salvaged for reuse off-site.

END OF SECTION

SECTION 07-5400 - THERMOPLASTIC MEMBRANE ROOFING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Fully adhered system with thermoplastic roofing membrane (PVC).

B. Insulation, flat and tapered.

C. Thermal barrier.

D. Cover boards.

E. Flashings.

1.02 RELATED REQUIREMENTS

A. Section 07-0510 - Roofing Installer's Warranty.

B. Section 07-6200 - Sheet Metal Flashing and Trim: Counterflashings, reglets.

1.03 REFERENCE STANDARDS

A. ASTM C1177/C1177M - Standard Specification for Glass Mat Gypsum Substrate for Use as Sheathing.

B. ASTM C1289 - Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board.

C. ASTM D1149 - Standard Test Methods for Rubber Deterioration-Cracking in an Ozone Controlled Environment.

D. ASTM D1204 - Standard Test Method for Linear Dimensional Changes of Nonrigid Thermoplastic Sheeting or Film at Elevated Temperature.

E. ASTM D2137 - Standard Test Methods for Rubber Property_Brittleness Point of Flexible Polymers and Coated Fabrics.

F. ASTM D4434/D4434M - Standard Specification for Poly(Vinyl Chloride) Sheet Roofing.

G. ASTM D751 - Standard Test Methods for Coated Fabrics.

H. ASTM E1980 - Standard Practice for Calculating Solar Reflectance Index of Horizontal and Low-Sloped Opaque Surfaces.

~~FM DS 1-28 - Wind Design.~~

I. NRCA (RM) - The NRCA Roofing Manual.

J. NRCA (WM) - The NRCA Waterproofing Manual.

K. UL (FRD) - Fire Resistance Directory.

L. UL 1256 - Standard for Fire Test of Roof Deck Constructions.

1.04 ADMINISTRATIVE REQUIREMENTS

A. Preinstallation Meeting: Convene one week before starting work of this section.

1. Review preparation and installation procedures and coordinating and scheduling required with related work.

1.05 SUBMITTALS

A. Manufacturer's Product Data: Provide data indicating membrane materials, flashing materials, insulation, surfacing, and fasteners.

B. Shop Drawings: Provide the roof membrane manufacturer's standard details customized for this project for all relevant conditions, including including flashings, base tie-ins, roof edges, terminations, expansion joints, penetrations, curbs, and drains, approved by the manufacturer. Indicate joint or termination detail conditions, conditions of interface with other materials, setting plan for tapered insulation, mechanical fastener layout, and roof dimensions and slopes including location and types of penetrations.

1. Provide drain detail showing adjustable extension collar to fit insulation. Coordinate with tapered insulation drawings for dimension of insulation thicknesses.

2. Shop Drawings shall be prepared and approved by the membrane manufacturer.

C. Samples for Verification: Submit two samples 6 inches by 6 inches in size illustrating membrane colored coating and each type of insulation.

D. Submit full range of standard colors for exposed metal components.

E. Warranty Documentation:

1. Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.
2. Submit installer's written verification that installation complies with warranty conditions for waterproof membrane.

1.06 QUALITY ASSURANCE

A. A single installer shall perform the work of this section and related work specified in Section 07-6200 - Sheet Metal Flashing and Trim.

B. Installer Qualifications: Company specializing in performing the work of this section with at least five years of documented experience and approved by manufacturer.

C. Provide products recommended by the roofing manufacturer to be compatible with each other and with substrates. Provide separation materials where recommended by roofing manufacturer to eliminate contact between incompatible materials.

D. If required for specified full roofing system warranty, provide products supplied by membrane manufacturer.

E. Arrange for observation, supervision, and final inspection by the roofing manufacturer, and other procedures required for warranty.

F. Where manufacturer's shop drawings indicate details or materials that differ from the Contract Documents, specifications and details required by the manufacturer to obtain the specified warranty shall take precedence.

G. Upon completion of the installation, the roofing manufacturer shall inspect the installation to verify that the membrane and related work have been properly installed.

1.07 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials in manufacturer's original containers, dry and undamaged, with seals and labels intact, unless otherwise indicated.

B. Store products in weather protected environment, clear of ground and moisture, between 60 and 80 degrees F.

C. Ensure storage and staging of materials does not exceed static and dynamic load-bearing capacities of roof decking.

D. Protect membrane and foam insulation from direct exposure to sunlight and high temperatures.

1.08 FIELD CONDITIONS

A. Do not apply roofing membrane during unsuitable weather.

B. Do not apply roofing membrane when ambient temperature is below 40 degrees F for installation or curing.

C. Do not apply roofing membrane to damp or frozen deck surface or when precipitation is expected or occurring.

D. Do not expose materials vulnerable to water or sun damage in quantities greater than can be weatherproofed the same day.

E. Schedule applications so that no partially completed sections of roof are left exposed at end of workday.

1.09 COORDINATION

A. Do not being installation of membrane roofing until materials, equipment, and personnel required for complete installation are on site.

1.10 WARRANTY

A. Roofing installer's warranty: Use the form in Section 07-0510.

B. System Warranty: Provide manufacturer's total system, non-pro-rated, no-dollar-limit warranty, including flashing and sheet metal, covering defects of materials and workmanship that permit leaks, membrane displacement, membrane fracture, or deterioration of the roof materials in excess of normal weather. This warranty shall include flashing and sheet metal specified in Section 07-6200 that is associated with roofing.

1. Warranty Term: 20 years beginning at Substantial Completion.
2. For repair and replacement include costs of both material and labor in warranty.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Thermoplastic Polyvinyl Chloride (PVC) Membrane Roofing Materials:

1. Carlisle SynTec Systems; Sure-Flex PVC KEE: www.carlisle-syntec.com/#sle.
2. Duro-Last Roofing, Inc; Duro-Last Custom Fabricated PVC Roof Membrane: www.duro-last.com/#sle.
3. Elevate; Elevate PVC Membrane: www.holcimelevate.com/#sle.
4. Johns Manville; JM PVC SD Plus - 50 mil: www.jm.com/#sle.
5. Sika Corporation Roofing; Sarnafil PVC: usa.sika.com/sarnafil/#sle.
6. Versico Roofing Systems; VersiFleece PVC Polyester Reinforced Membrane: www.versico.com/#sle.

2.02 ROOFING FULLY ADHERED

A. -PVC-1A Thermoplastic Membrane Roofing on Metal Deck: One ply membrane, fully adhered, over cover board, and rigid insulation.

B. Roofing Assembly Requirements:
1. Solar Reflectance Index (SRI): 78, minimum, calculated in accordance with ASTM E1980.
   a. Field applied coating may not be used to achieve specified SRI.
2. Thermal Emittance: 0.75 minimum, calculated in accordance with ASTM C1371, Slide Method.
3. Roof Covering External Fire Resistance Classification: UL (FRD) Class A.
   ~~Factory Mutual Classification: Class 1 and windstorm resistance of 1-90, in accordance with FM DS 1-28.~~
4. Insulation Long Term Thermal Value (LTTR), minimum: 5.5 per inch; provide insulation of thickness required.

C. Acceptable Insulation Types - Constant Thickness Application:
1. Minimum 2 layers of polyisocyanurate board.

D. Acceptable Insulation Types - Tapered Application:
1. Tapered polyisocyanurate board.

2.03 MEMBRANE ROOFING AND ASSOCIATED MATERIALS

A. Membrane Roofing Materials:
1. PVC: Polyvinyl chloride (PVC) complying with ASTM D4434/D4434M, Type II, sheet contains reinforcing fibers or reinforcing fabrics.
   a. Thickness: 60 mil, 0.060 inch, minimum.
2. Sheet Width: Factory fabricated into largest sheets possible to minimize seams.
3. Tolerance, normal thickness, ASTM D751: Plus or minus 10 percent.
4. Breaking strength ASTM D751: Grab Method. 250 lbf force minimum.
5. Tear strength ASTM D751: 80 lbf force minimum.
6. Brittleness point ASTM D2137: Minus 40 degrees F.
7. Linear dimensional change ASTM D1204 6 hours at 176 degrees F: 1.0 percent maximum.
8. Ozone resistance ASTM D1149: No cracks, no crazing.
9. Color: White.

B. Seaming Materials: As recommended by membrane manufacturer. Corrosion-resistant, FM-4470 approved, 360 pounds pullout capacity.

C. Flexible Flashing Material: Same material as membrane.
1. Type 1: Reinforced 60 mil membrane.
2. Type 2: Premolded.
3. Type 3: Non-reinforced 60 mil membrane.

D. Flashing and seaming accessories: Membrane manufacturer's cleaners, adhesives, tapes, cements, and sealants.

E. Pourable sealer: 2 part, 2-color urethane.

F. Night Seal: Membrane manufacturer's liquid elastomer to protect completed portions of roof when work is terminated before completion.

G. Separation Sheet: As recommended by the manufacturer; 2 mil thick minimum.

2.04 THERMAL BARRIER

A. Thermal Barrier: Glass mat faced gypsum panels, ASTM C1177/C1177M.

1. Thickness: 1/2 inch, Type X, fire-resistant.
2. Products:
   a. Georgia-Pacific; DensDeck Prime with EONIC Technology: www.densdeck.com/#sle.
   b. Gold Bond Building Products, LLC provided by National Gypsum Company; DEXcell FA Glass Mat Roof Board: www.goldbondbuilding.com/#sle.
   c. USG Corporation; Securock Ultralight Coated Glass-Mat Roof Board: www.usg.com/#sle.
   d. Roofing manufacturer's proprietary product.

2.05 COVER BOARDS

A. Cover Boards: Glass-mat faced gypsum panels complying with ASTM C1177/C1177M.
1. Thickness: 1/2 inch, Type X, fire-resistant.
2. Products:
   a. Georgia-Pacific; DensDeck Prime with EONIC Technology: www.densdeck.com/#sle.
   b. Gold Bond Building Products, LLC provided by National Gypsum Company; DEXcell FA Glass Mat Roof Board: www.goldbondbuilding.com/#sle.
   c. USG Corporation; Securock Ultralight Coated Glass-Mat Roof Board: www.usg.com/#sle..
   d. Roofing manufacturer's proprietary product.

2.06 INSULATION

A. Polyisocyanurate (ISO) Board Insulation: Rigid cellular foam, complying with ASTM C1289.
1. Classifications:
   a. Type I: Faced with aluminum foil on both major surfaces of the core foam.
      1) Class 1 - Non-reinforced core foam.
      2) Compressive Strength: 16 psi, minimum.

2.07 ACCESSORIES

A. Insulation Joint Tape: Glass fiber reinforced type as recommended by insulation manufacturer, compatible with roofing materials; 6 inches wide; self adhering.
B. Insulation Fasteners: Appropriate for purpose intended and approved by roofing manufacturer.
1. Length as required for thickness of insulation material and penetration of deck substrate, with metal washers.
C. Membrane Adhesive: As recommended by membrane manufacturer.
D. Insulation Adhesive: As recommended by insulation manufacturer.
E. Walkway Pads: Suitable for maintenance traffic, contrasting color or otherwise visually distinctive from roof membrane.
1. Composition: Roofing membrane manufacturer's standard.
2. Size if not indicated on drawings: 12 by 12 inch minimum, 24 by 24 inch maximum.
3. Edges: Square.

PART 3 EXECUTION

3.01 EXAMINATION

A. Perform fastener pullout tests recommended by membrane manufacturer.
B. Verify deck is clean and smooth, flat, free of depressions, waves, or projections, properly sloped and suitable for installation of roof system.

3.02 INSTALLATION, GENERAL

A. Perform work in accordance with manufacturer's instructions, NRCA (RM), and NRCA (WM) applicable requirements.
B. Do not apply roofing membrane during cold or wet weather conditions.
C. Do not apply roofing membrane when ambient temperature is outside the temperature range recommended by manufacturer.
D. Do not apply roofing membrane to damp or frozen deck surface or when precipitation is expected or occurring.

E. Do not expose materials vulnerable to water or sun damage in quantities greater than can be weatherproofed the same day.

3.03 INSULATION - UNDER MEMBRANE

A. Attachment of Insulation:
   1. Mechanically fasten first layer of insulation to deck in accordance with roofing manufacturer's instructions and FM DS 1-28 Factory Mutual requirements.
   2. Embed second layer of insulation into full bed of adhesive in accordance with roofing and insulation manufacturers' instructions.

B. Cover Boards: Fully adhere cover boards in accordance with roofing manufacturer's instructions ~~andFM (AG)Factory Mutual requirements~~.

C. Lay subsequent layers of insulation with joints staggered minimum 6 inches from joints of preceding layer.

D. Place tapered insulation to the required slope pattern in accordance with manufacturer's instructions.

E. Lay boards with edges in moderate contact without forcing. Cut insulation to fit neatly to perimeter blocking and around penetrations through roof.

F. Tape joints of insulation in accordance with roofing and insulation manufacturers' instructions.

G. At roof drains, use factory-tapered boards to slope down to roof drains over a distance of 18 inches.

H. Do not install more insulation than can be covered with membrane in same day.

3.04 INSTALLATION - MEMBRANE

A. Roll out membrane, free from wrinkles or tears. Place sheet into place without stretching.

B. Shingle joints on sloped substrate in direction of drainage.

C. After laying in place, allow membrane to relax 30 minutes before attaching or cutting.

D. Fully Adhered Application: Apply adhesive to substrate at rate of manufacturer's recommend gal/square. Fully embed membrane in adhesive except in areas directly over or within 3 inches of expansion joints. Fully adhere one roll before proceeding to adjacent rolls.

E. Clean membrane before welding as recommended by the manufacturer.

F. Overlap edges and ends and seal seams by heat welding, minimum 1-1/2 inches. Seal permanently waterproof. Apply uniform bead of sealant to joint edge. Do not allow adhesive within membrane overlaps.

G. At intersections with vertical surfaces: Secure membrane at the perimeter of each roof level, roof section, expansion joint, curb, interior wall, penthouse, penetrations, and other changes in plane that exceed 2 inches per horizontal foot.
   1. Extend membrane over cant strips and up a minimum of 6 inches onto vertical surfaces.
   2. Fully adhere flexible flashing over membrane and up to nailing strips.

H. Flash walls and curbs between corners with Type 1 flashings.

I. Flash inside and outside corners, penetrations, and other areas with multiple changes of plane with Type 2 flashing whenever possible.

J. Use Type 3 flashing only when other flashing types are not practical.

K. Extend flashing vertically 8 inches above roof on walls and penetrations.

L. Coordinate installation of roof drains and sumps and related flashings.

M. Heat weld walkway pad to the roof membrane.

3.05 FIELD QUALITY CONTROL

A. See Section 01-4000 - Quality Requirements for additional requirements.

B. Provide daily on-site attendance of roofing and insulation manufacturer's representative during installation of this work.

3.06 PROTECTION

A. Protect installed roofing and flashings from construction operations.

B. Where traffic must continue over finished roof membrane, protect surfaces using durable materials.

END OF SECTION

SECTION 08-4313 - ALUMINUM-FRAMED STOREFRONTS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Aluminum-framed storefront, with vision glass.

B. Infill panels of glass.

1.02 RELATED REQUIREMENTS

A. Section 07-2700 - Air Barriers: Sealing framing to water-resistive barrier installed on adjacent construction.

B. Section 07-9200 - Joint Sealants: Sealing joints between frames and adjacent construction.

C. Section 08-8000 - Glazing: Glass and glazing accessories.

1.03 REFERENCE STANDARDS

A. AAMA CW-10 - Care and Handling of Architectural Aluminum from Shop to Site.

B. AAMA 501.2 - Quality Assurance and Diagnostic Water Leakage Field Check of Installed Storefronts, Curtain Walls, and Sloped Glazing Systems.

C. AAMA 503 - Voluntary Specification for Field Testing of Newly Installed Storefronts, Curtain Walls and Sloped Glazing Systems.

D. AAMA 611 - Voluntary Specification for Anodized Architectural Aluminum.

E. AAMA 1503 - Voluntary Test Method for Thermal Transmittance and Condensation Resistance of Windows, Doors and Glazed Wall Sections.

F. ASCE 7 - Minimum Design Loads and Associated Criteria for Buildings and Other Structures.

G. ASTM A36/A36M - Standard Specification for Carbon Structural Steel.

H. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.

I. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.

J. ASTM B221M - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric).

K. ASTM E283/E283M - Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Skylights, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen.

L. ASTM E330/E330M - Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference.

M. ASTM E331 - Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference.

N. ASTM E783 - Standard Test Method for Field Measurement of Air Leakage Through Installed Exterior Windows and Doors.

O. ASTM E1105 - Standard Test Method for Field Determination of Water Penetration of Installed Exterior Windows, Skylights, Doors, and Curtain Walls, by Uniform or Cyclic Static Air Pressure Difference.

P. SSPC-Paint 20 - Zinc-Rich Coating (Type I - Inorganic, and Type II - Organic).

1.04 ADMINISTRATIVE REQUIREMENTS

A. Coordinate with installation of other components that comprise the exterior enclosure.

B. Preinstallation Meeting: Conduct a preinstallation meeting one week before starting work of this section; require attendance by all affected installers.

1.05 SUBMITTALS

A. Product Data: Provide component dimensions, describe components within assembly, anchorage and fasteners, glass and infill, internal drainage details.

B. Shop Drawings: Indicate system dimensions, framed opening requirements and tolerances, affected related Work, expansion and contraction joint location and details, and field welding required. Include the following:

1. Plan showing location of each unit, and type used at each location.
2. Elevations showing dimensions of each unit.

3. Full-scale cross sections showing each component and assembly.
4. Certification by a qualified structural engineer licensed in the state that the project is located.

C. Samples: Pairs of approval samples of selected finish to illustrate range of finish on installed products, on 8 inches long extrusions of same material used in specified products.

D. Samples: Metal, glass, fasteners, anchors, frame sections, mullion section, corner section, and other Samples as requested, without additional cost.

E. Test Reports: Submit reports from AAMA accredited laboratory certifying specified performance. Submit results of full-size mock-up testing. Reports of tests previously performed on the same design are acceptable. Tests shall be no more than 3 years old.

F. Manufacturer's Certificate: Certify that the products supplied meet or exceed the specified requirements.

G. Design Data: Provide framing member structural and physical characteristics, engineering calculations, and dimensional limitations; include load calculations at points of attachment to building structure.

H. Field Quality Control Submittals: Report of field testing for water penetration and air leakage.

1.06 QUALITY ASSURANCE

A. Engineering Responsibility: Structural design is the responsibility of the manufacturer.

B. Designer Qualifications: Design structural support framing components under direct supervision of a Professional Structural Engineer experienced in design of this Work and licensed in the State in which the Project is located.

C. Manufacturer Qualifications: Company specializing in performing work of type specified and with minimum five years of documented experience.

D. Installer Qualifications: Company specializing in performing work of type specified and with at least three years of documented experience and approved by manufacturer.

E. Pre-Installation Meeting: Schedule pre-installation meeting with storefront system manufacturer, installer, Architect, and other interested parties to review procedures, schedules, and coordination of storefront installation with other elements of Work.

1. Provide a sample storefront unit on date of pre-installation conference. This unit will be tested for air and water infiltration at time of installation. Pre-installed unit shall pass tests prior to installation of remaining units and prior to payment for storefront materials.
2. Welding: Qualify procedures and personnel according to AWS D1.2, "Structural Welding Code - Aluminum".

1.07 DELIVERY, STORAGE, AND HANDLING

A. Handle products of this section in accordance with AAMA CW-10.

B. Store and protect system components in accordance with manufacturer's recommendations.

C. Protect finished aluminum surfaces with wrapping. Do not use adhesive papers or sprayed coatings that bond to aluminum when exposed to sunlight or weather.

1.08 WARRANTY

A. Furnish manufacturer's and installer's warranty for materials, installation and workmanship. Correct defective Work within a ten year period after the Date of Substantial Completion

B. Warranty shall cover complete system for failure to meet specified requirements, including ability to exclude exterior moisture from interior, and shrinkage of thermal separation material.

C. Provide a twenty year manufacturer warranty for painted finish, 10 year manufacturer warranty for an anodized finish, against excessive degradation of exterior finish. Include provision for replacement of units with excessive fading, chalking, or flaking.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Aluminum-Framed Storefronts:

1. EFCO Corporation: www.efcocorp.com/#sle.

2. Kawneer North America: www.kawneer.com/#sle.
3. Oldcastle BuildingEnvelope: www.oldcastlebe.com/#sle.
4. YKK AP America, Inc: www.ykkap.com/commercial/#sle.
5. Other as approved.

2.02 BASIS OF DESIGN - FRAMING FOR INSULATING GLAZING

A. Storefront - Framing for Insulating Glazing: Thermally broken, outside glazed, center set, 2 inch wide frame profile by 4-1/2 inch frame depth. Kawneer 451UT Trifab VersaGlaze Framing System.

2.03 ALUMINUM-FRAMED STOREFRONT

A. Aluminum-Framed Storefront: Factory fabricated, factory finished aluminum framing members with infill, and related flashings, anchorage and attachment devices.
1. Glazing Rabbet: For 1 inch insulating glazing.
2. Fabrication: Joints and corners flush, hairline, and weatherproof, accurately fitted and secured; prepared to receive anchors and hardware; fasteners and attachments concealed from view; reinforced as required for imposed loads.
3. Construction: Eliminate noises caused by wind and thermal movement, prevent vibration harmonics, and prevent "stack effect" in internal spaces.
4. System Internal Drainage: Drain to the exterior by means of a weep drainage network any water entering joints, condensation occurring in glazing channel, and migrating moisture occurring within system.
5. Expansion/Contraction: Provide for expansion and contraction within system components caused by cycling temperature range of 170 degrees F over a 12 hour period without causing detrimental effect to system components, anchorages, and other building elements.
6. Movement: Allow for movement between storefront and adjacent construction, without damage to components or deterioration of seals.
7. Perimeter Clearance: Minimize space between framing members and adjacent construction while allowing expected movement.
8. Maintain continuous air barrier and/or vapor retarder seal throughout assembly, primarily in line with inside pane of glazing and inner sheet of infill panel, and heel bead of glazing compound.

B. Performance Requirements
1. Wind Loads: Design and size components to withstand the specified load requirements without damage or permanent set, when tested in accordance with ASTM E330/E330M, using loads 1.5 times the design wind loads and 10 second duration of maximum load.
   a. Design Wind Loads: Comply with requirements of ASCE 7.
   b. Member Deflection: Limit member deflection to flexure limit of glass in any direction, with full recovery of glazing materials.
2. Water Penetration Resistance: No uncontrolled water on interior face, when tested in accordance with ASTM E331 at pressure differential of 12 psf.
3. Air Leakage: 0.06 cfm/sq ft maximum leakage of storefront wall area when tested in accordance with ASTM E283/E283M at 1.57 psf pressure difference.
4. Thermal Performance Requirements:
   a. Condensation Resistance Factor of Framing: 70 minimum, measured in accordance with AAMA 1503.
   b. Overall U-Factor of Fixed Windows Including Glazing: ~~[0.34] Btu/(hr sq ft deg F)~~0.32 Btu/(hr sq ft deg F), maximum, tested in accordance with NFRC100.
5. Solar Heat Gain Performance Requirements:
   a. Overall SHGC of Fixed Windows Including Glazing: ~~0.38~~ 0.17, maximum. tested in accordance with NFRC 200.

6. The deflection of building cladding members in a direction normal to the plane of the wall when subjected to design windloads or concentrated maintenance loads shall be limited to the following:
   a. Spans up to 13'-6": Limit deflection to L/175.
   b. Spans greater than 13'-6": Limit deflection to L/240 + 1/4 inch.
   c. Cantilevered members: Limit deflection to the lesser of 2L/175 or 3/4 inch.
   d. No permanent deformation in excess of 0.2 percent of span.
   e. The deflection of any member shall not impair the function of or damage any joint seals as warranted by the manufacturer.
7. The deflection of building cladding members in a direction parallel to the plane of the wall shall not exceed an amount that will reduce the glass bite below 75 percent of the design dimension, and the member shall have a minimum 1/8 inch clearance between itself and the edge of the fixed panel, glass, or fixed part immediately below.

2.04 COMPONENTS

A. Aluminum Framing Members: Tubular aluminum sections, thermally broken with interior section insulated from exterior, drainage holes and internal weep drainage system.
   1. Framing members for interior applications need not be thermally broken.
   2. Glazing Stops: Flush.
   3. Cross-Section: As indicated on drawings.

B. Glazing: See Section 08-8000.

C. Snap Covers and Accent Covers: Aluminum extruded snap covers and accent covers for frame face dimensions and depths shown on profile types indicated on Drawings.
   1. Profile: Manufacturer's standard, 3/4 inch deep.
   2. Provide 1/16 inch minimum gap at each end, maximum gap of 1/8 inch.

2.05 MATERIALS

A. Extruded Aluminum: ASTM B221 (ASTM B221M). 6063-T5 or 6063-T6.

B. Frame extrusions, minimum thickness of primary walls:
   1. Storefront Frames: 0.080 inch wall thickness.

C. Sheet Aluminum: ASTM B209 (ASTM B209M). 5005-H32 (anodic) or 3003-H14.

D. Thermal separator appropriate for separation between exterior and interior extrusions meeting performance requirements of each window or curtain wall system.
   1. Internally connected and locked celcon insulator clips.

E. Structural Steel Sections: ASTM A36/A36M; galvanized in accordance with requirements of ASTM A123/A123M.
   1. ASTM A36 steel reinforcement for structural shapes, plates, and bars.
   2. ASTM A500-B for Hollow Structural Sections.

F. Exposed Fasteners: 300 Series Stainless steel; type as required or recommended by storefront manufacturer. Exposed portions matching finish of each window system.

G. Concealed Fasteners: ASTM A449, SAE Grade 5 carbon steel with cadmium and yellow chromate finish, type and size recommended by window system manufacturer.

H. Sprayed Foam Insulation: As specified in Section 07-2100.

I. Glazing Gaskets: Type to suit application to achieve weather, moisture, and air infiltration requirements.

J. Sealant and Backer: Storefront manufacturer is responsible for selection of joint sealant that is warranted to be compatible with all components of the exterior wall that are in contact with the sealant.

K. Glazing Accessories: See Section 08-8000.

L. Setting Blocks: Black EPDM 85-5 durometer, Shore-A per ASTM D 2000.

M. Touch-Up Primer for Galvanized Steel Surfaces: SSPC-Paint 20, zinc rich.

2.06 FABRICATION

A. General: Fabricate to minimize field assembly. Provide minimum shim spacing around perimeter of assembly.

B. Provide extruded aluminum members with sharp, well defined corners, integral screw splines for frame joinery and flush sightlines.
C. Joints: Rigidly fit and secured; flush, hairline, weatherproof.
D. Drainage Holes: Weep to exterior.
E. Fasteners, Attachments, and Jointing: Concealed from view where possible.
F. Reinforce interior horizontal as necessary for head rail to receive drapery track bracket and attachments.
G. Dissimilar metals shall be separated to prevent galvanic action..

2.07 FINISHES

A. General: Comply with NAAMM Metal Finishes Manual. Form aluminum shapes before finishing.
B. Class I Natural Anodized Finish: AAMA 611 AA-M12C22A41 Clear anodic coating not less than 0.7 mils thick.
C. Anodic coating shall be continuous, fully sealed and free from powdery surfaces.
D. Factory finish all surfaces that will be exposed in completed assemblies.
E. Touch-Up Materials: As recommended by coating manufacturer for field application.
F. Coat concealed metal surfaces that will be in contact with cementitious materials or dissimilar metals with bituminous paint.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify dimensions, tolerances, and method of attachment with other work.
B. Verify that storefront wall openings and adjoining water-resistive and/or air barrier seal materials are ready to receive work of this section.
C. Verify that anchorage devices have been properly installed and located.

3.02 INSTALLATION

A. Install storefront system in accordance with manufacturer's instructions.
B. Attach to structure to permit sufficient adjustment to accommodate construction tolerances and other irregularities. Separate from sources of corrosion or galvanic action.
C. Provide alignment attachments and shims to permanently fasten system to building structure.
D. Install to drain water and condensation to the exterior.
E. Align assembly plumb, square and level, without warp or rack, free of warp or twist. Maintain assembly dimensional tolerances, aligning with adjacent work, with exposed surfaces of perimeter flanges uniformly proportioned.
F. Provide thermal isolation where components penetrate or disrupt building insulation.
G. Install sill flashings. Turn up ends and edges; seal to adjacent work to form water tight dam.
H. Where fasteners penetrate sill flashings, make watertight by seating and sealing fastener heads to sill flashing.
I. Attach panning extrusions to frame with screws. Scribe flanges to fit openings. Back-seal joints before installation. Secure transverse joints in panning flanges with stainless steel clips. Exposed fasteners not permitted on exposed face of panning members.
J. Coordinate attachment and seal of perimeter air and vapor barrier materials.
K. Install sprayed foam insulation in shim spaces at perimeter of assembly for cracks smaller than 1/4 inch.
L. Install perimeter sealant for complete air and water seal of opening. Clean and prime surfaces as recommended by sealant manufacturer. Install sealant backer rod where required by depth or width of crack. Tool sealant to neat uniform concave surface.
M. Install glass using glazing method required to achieve performance criteria; see Section 08-8000.
N. Touch-up minor damage to factory applied finish; replace components that cannot be satisfactorily repaired.

3.03 TOLERANCES

A. Maximum Variation from Plumb: 0.06 inches every 3 ft non-cumulative or 1/16 inches per 10 ft, whichever is less.
B. Maximum Misalignment of Two Adjoining Members Abutting in Plane: 1/64 (0.015) inch.

C. Sealant Space Between Storefront Mullions and Adjacent Construction: Maximum of 3/8 inch and minimum of 1/4 inch.

3.04 FIELD QUALITY CONTROL

A. The Owner will pay for initial testing. Cost for all subsequent tests shall be paid by the Contractor.

B. Water-Spray Test: Provide water spray quality test of installed storefront components in accordance with AAMA 501.2 during construction process and before installation of interior finishes. Tests will include perimeter sealant joint.
   1. Perform a minimum of two tests in each designated area as directed by Architect.
   2. Conduct tests in each area prior to 10 percent and 50 percent completion of this work.

C. Provide field testing of installed storefront system by independent laboratory in accordance with AAMA 503 during construction process and before installation of interior finishes. Tests will include perimeter sealant joint.
   1. Perform a minimum of two tests in each designated area as directed by Architect.
   2. Conduct tests in each area prior to 10 percent and 50 percent completion of this work.
   3. Field test for water penetration in accordance with ASTM E1105 with uniform static air pressure difference (Procedure A) not less than 4.18 psf.
      a. Maximum allowable rate of water penetration in 15-minute test is 0.5 ounce that is not contained in an area with provisions to drain to exterior, or collected on surface of interior horizontal framing member.
      b. For each failed test, 2 additional units of the same type will be tested.
   4. Field test for air leakage in accordance with ASTM E783 with uniform static air pressure difference of 1.57 psf.
      a. The maximum allowable rate of air infiltration is 1.5 times the amount in the article titled "Storefront."

D. For each failed test, 2 additional units of the same type will be tested. Repair or replace storefront components that have failed designated field testing, and retest to verify performance complies with specified requirements. Perform the same correctoins on all units of the same type.

E. Failed installations shall be removed, re-installed, and re-tested until they pass.

3.05 CLEANING

A. Remove protective material from pre-finished aluminum surfaces.

B. Clean aluminum surfaces promptly after installation. Remove excess glazing compounds and sealants.

C. Remove gross smears, glazing compounds, and sealants from glass.

3.06 PROTECTION

A. Protect installed products from damage until Date of Substantial Completion.

END OF SECTION

LAWRENCE COUNTY HOSPITAL

INFRASTRUCTURE UPGRADES AND INPATIENT REMODEL

1065 EAST BROAD STREET MONTICELLO, MS 39654

CONSTRUCTION DOCUMENTS

SEPTEMBER 17, 2025

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CD SCOPE 1 - FRONT END INDEX

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

Sheet count: 3

CD SCOPE 1 - STRUCTURAL INDEX

NUMBER	SHEET NAME
1.290	STRUCTURAL NOTES and SPECIAL INSPECTION
1.301	SCOPE 1 ROOF FRAMING PLANS

Sheet count: 2

CD SCOPE 1 - ARCHITECTURAL INDEX

NUMBER	SHEET NAME
1.401.FL	DEMO PLAN AND FLOOR PLAN
1.401.RC	REFLECTED CEILING PLAN AND FINISH NOTES
1.500	ROOF PLAN, ROOF INFORMATION, EXTERIOR DETAILS

Sheet count: 3

CD SCOPE 1 - PLUMBING INDEX

NUMBER	SHEET NAME
1.700	PLUMBING SYMBOLS AND ABBREVIATIONS
1.730	ENLARGED PLANS
1.760	PLUMBING SCHEDULES AND DETAILS

Sheet count: 3

CD SCOPE 1 - MECHANICAL INDEX

NUMBER	SHEET NAME
1.800	MECHANICAL SYMBOLS AND ABBREVIATIONS
1.800.MS	MECHANCIAL - SITE PLAN
1.830	ENLARGED PLANS
1.831	ENLARGED PLANS
1.832	ENLARGED PLANS
1.850	MECHANICAL DETAILS
1.851	MECHANICAL DETAILS
1.852	MECHANICAL DETAILS
1.853	MECHANICAL CONTROLS
1.854	MECHANICAL CONTROLS
1.860	MECHANICAL SCHEDULES
1.861	MECHANICAL SCHEDULES

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CD SCOPE 1 - ELECTRICAL INDEX

NUMBER	SHEET NAME
1.900	ELECTRICAL SYMBOLS AND ABBREVIATIONS
1.900.ES	ELECTRICAL DEMOLITION - SITE PLAN
1.901.ES	ELECTRICAL - SITE PLAN
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

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CD SCOPE 2 - SITEWORK INDEX

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

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CD SCOPE 2 - STRUCTURAL INDEX

NUMBER	SHEET NAME
2.301	SCOPE 2 ROOF FRAMING PLAN

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CD SCOPE 2 - ARCHITECTURAL INDEX

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
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
2.630	INTERIOR DETAILS

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CD SCOPE 2 - PLUMBING INDEX

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
2.750	PLUMBING DETAILS
2.760	PLUMBING SCHEDULES

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CD SCOPE 2 - MECHANICAL INDEX

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
2.850	MECHANICAL DETAILS
2.851	CONTROL DETAILS
2.852	CONTROL DETAILS
2.860	MECHANICAL SCHEDULES
2.861	MECHANICAL SCHEDULES

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CD SCOPE 2 - ELECTRICAL INDEX

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
2.950	ELECTRICAL ONE-LINE DIAGRAM
2.960	ELECTRICAL DETAILS
2.970	ELECTRICAL SCHEDULES
2.971	ELECTRICAL PANEL SCHEDULES

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ABBREVIATIONS

	TERM
AC	AIR CONDITIONING
ACC	ACCESSIBLE
ACP	ACOUSTICAL CEILING PANEL
ACT	ACOUSTIC CEILING TILE
AD	ADDENDUM
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AHU	AIR HANDLING UNIT
AIR	MEDICAL AIR OUTLET
AL	ALUMINUM
ALT	ALTERNATE
AMB	AMBULATORY
AP	ACCESS PANEL
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
AUX	AUXILIARY
AV	AUDIO VISUAL
AWP	ACOUSTIC WALL PANEL
BAF	BAFFLE
BCMU	BURNISHED CONCRETE MASONRY UNIT
BED	BED LOCATOR
BLDG	BUILDING
BLKG	BLOCKING
BR	BRICK
BRG	BEARING
BUR	BUILT-UP ROOFING
CB	CODE BLUE
CC	CUBICLE CURTAIN
CCTV	CLOSED CIRCUIT TELEVISION
CF	CUBIC FOOT
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFM	CUBIC FEET PER MINUTE
CG	CORNER GUARD
CHR	WOOD CHAIR RAIL

ABBREVIATIONS

	TERM
CIP	CAST IN PLACE
CJT	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CM	CULTURED MARBLE
CMU	CONCRETE MASONRY UNIT
CO2	CARBON DIOXIDE
COMP	COMPUTER
CONC	CONCRETE
CONT	CONTINUOUS
CPT	CARPET
CPTB	CARPET BASE
CR	CRASH RAIL
CR	CARD READER
CRO	CARD READER TRIGGERING OPERATOR
CW	CURTAIN WALL
CY	CUBIC YARD
DATA	TELEPHONE / DATA OUTLET
DCP	DECORATIVE CEILING PANEL
DEMO	DEMOLISH
DET	DETENTION
DF	DECORATIVE FILM
DG	DECORATIVE OR ART GLASS
DG	DECORATIVE GLAZING
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DP	DECORATIVE PANEL
DWG	DRAWING
DWP	DECORATIVE WALL PANEL
EA	EACH
EEO	EMERGENCY ELECTRICAL OUTLET
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJT	EXPANSION JOINT
EL	ELEVATION

ABBREVIATIONS

	TERM
ELEC	ELECTRIC, ELECTRICAL
ELEV	ELEVATOR
ELF	ELASTOMERIC LIQUID FLOORING
EM	ENTRANCE MAT
EO	ELECTRICAL OUTLET
EQ	EQUAL
EQPT	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXG	EXISTING
EXT	EXTERIOR
FAB	FABRIC
FAF	FLUID-APPLIED FLOOR COATING
FAW	FLUID-APPLIED WALL COATING
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER ON BRACKET
FEC	FIRE EXTINGUISHER AND CABINET
FFE	FINISH FLOOR ELEVATION
FG	MONOLITHIC GLASS, FLAT GLAZING
FRL	FIBER REINFORCED LAMINATE
FRT	FIRE RETARDANT TREATED
FT	FOOT, FEET
GA	GAUGE
GALV	GALVANIZED
GCMU	GLAZED CONCRETE MASONRY UNIT
GF	GLAZING FILM
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GLUELAM	GLUED LAMINATED
GMU	GLASS MASONRY UNIT
GPBD	GYPSUM BOARD
HDW	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HPNT	HIGH-PERFORMANCE PAINT
HR	HANDRAIL
HR	HOUR

ABBREVIATIONS

	TERM
HSD	HAND SANITIZER DISPENSER
HWP	HYGIENIC WALL PROTECTION
ID	INSIDE DIAMETER
IG	INSULATED GLASS UNIT(S)
INS	INSULATION
INTB	INTEGRAL BASE
KBT	KEYBOARD TRAY
KD	KNOCKED-DOWN
LAV	LAVATORY
LB	POUNDS
LF	LINEAR FEET
LG	LAMINATED GLAZING
LR	LIGATURE RESISTANT
LS	LIGHT SWITCH
LVT	LUXURY VINYL TILE
MAX	MAXIMUM
MB	MARKER BOARD
MECH	MECHANICAL
MEP	MECHANICAL, ELECTRICAL, PLUMBING
MFR	MANUFACTURER
MG	MIRRORED GLASS
MIN	MINIMUM
MIN	MINUTE
MIR	MIRROR
MISC	MISCELLANEOUS
MLAM	METAL LAMINATE
MO	MASONRY OPENING
MP	METAL PANEL
MTD	MOUNTED
N	NITROGEN OUTLET
N2O	NITROUS OXIDE OUTLET
N/A	NOT APPLICABLE
NC	NURSE CALL OUTLET
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT

ABBREVIATIONS

	TERM
NO or #	NUMBER
NRC	NOISE REDUCTION COEFFICIENT
O2	OXYGEN OUTLET
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OPG	OPENING
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN
PCC	PRECAST CONCRETE
PD	PENCIL DRAWER
PG	PLASTIC GLAZING
PLAM	PLASTIC LAMINATE
PLF	POUNDS PER LINEAL FOOT
PNL	PANEL, PANELING
PNT	PAINT
PP	PUSH PLATE
PR	PROPOSAL REQUEST
PREP	PREPARATION
PROJ NO	PROJECT NUMBER
PS	PATIENT STATION
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PTD	PAPER TOWEL DISPENSER
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
PWC	PROTECTIVE WALL COVERING
PWD	PLYWOOD
QSM	QUARTZ SURFACE MATERIAL
QTY	QUANTITY
R	RADIUS
RB	RESILIENT BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN

ABBREVIATIONS

	TERM
REBAR	REINFORCING BAR
REF	REFERENCE
REFR	REFRIGERATOR
REINF	REINFORCED, REINFORCING
REQD	REQUIRED
REV	REVISED, REVISION
RF	RESILIENT FLOORING
RG	RADIATION SHIELDING GLASS
RNS	RIGID INSULATION
RM	ROOM
RO	ROUGH OPENING
SA	STAFF ASSIST
SC	SHOWER CURTAIN
SCHED	SCHEDULE
SD	SOAP DISPENSER
SDF	STATIC DISSIPATIVE FLOORING
SF	SQUARE FEET
SF	STOREFRONT
SIM	SIMILAR
SLR	SEALER
SLW	SLOTTED WALL
SNT	SEALANT
SPD	SANITARY PRODUCT DISPENSER
SPEC	SPECIFICATION
SPR	SANITARY PRODUCT RECEPTACLE
SQ	SQUARE
SSM	SOLID SURFACE MATERIAL
SSNT	SECURITY SEALANT
SST	STAINLESS STEEL
STC	SOUND TRANSMISSION COEFFICIENT
STD	STANDARD
STN	STONE
STRUC	STRUCTURAL
T	THERMOSTAT

ABBREVIATIONS

	TERM
TB	TACKBOARD
TBD	TO BE DETERMINED
TD	TISSUE DISPENSER
TEL	TELEPHONE
TEMP	TEMPERATURE
TEMP	TEMPORARY
TER	TERRAZZO
TERB	TERRAZZO BASE
TL	TILE
TLB	TILE BASE
TPH	TOILET PAPER HOLDER
TPR	TRANSITION STRIP
TV	TELEVISION
TYP	TYPICAL
UC	UNDER CABINET / UNDER COUNTER
UNO	UNLESS NOTED OTHERWISE
UTIL	UTILITIES
UV	ULTRAVIOLET
VAC	VACUUM / VACUUM OUTLET
VAR	VARIES
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VG	VISION CONTROL GLAZING
VIF	VERIFY IN FIELD
VOC	VOLATILE ORGANIC COMPOUND
WAGD	WASTE ANESTHESIA GAS DISPOSAL
WC	WALL COVERING
WC	WATER CLOSET
WD	WOOD
WDB	WOOD BASE
WG	WIRED GLASS
WP	WATERPROOFING
WT	WINDOW TREATMENT
WWF	WELDED WIRE FABRIC

SHEET NUMBERING EXPLANATION

12/19/2023

BID PACKAGE | SHEET GROUPING | FLOOR LEVEL | ZONE NUMBER | PLAN TYPE

1 . 4 0 2 . 1 DE

1.402.1DE: SCOPE 1, SECOND FLOOR, ZONE 1, DEMOLITION PLAN

BID PACKAGE | SHEET GROUPING | FLOOR LEVEL | ZONE NUMBER | PLAN TYPE | PLAN TYPE

1 . 7 0 1 . 1 D F

1.701.1DF: SCOPE 1, FIRST FLOOR, ZONE 1, DEMO FIRE PROTECTION

SHEET GROUPING		PLAN
100		TITLE SHEET
	CO	CODE PLAN
	PH	PHASING PLAN
	RF	REFERENCE PLAN
200	AS	ARCHITECTURAL SITE PLAN
	CD	CIVIL DEMOLITION PLAN
	CG	CIVIL GRADING PLAN
	CU	CIVIL UTILITIES PLAN
	CP	CIVIL PAVING PLAN
	LP	LANDSCAPE PLAN
900	DL	DEMO ELEC LIGHTING
	DP	DEMO ELEC POWER
	DS	DEMO ELEC SYSTEMS
	L	ELEC LIGHTING
	P	ELEC POWER
	S	ELEC SYSTEMS
1000	DT	DEMO TECHNOLOGY PLANS
	T	TECHNOLOGY PLANS

SHEET GROUPING		PLAN
300		STRUCTURAL PLANS
	D	STRUCTURAL DEMO PLANS
400	DE	DEMOLITION PLAN
	DI	DIMENSION PLAN
	EX	EXTERIOR PLAN
	FL	FLOOR PLAN
	FN	FINISH PLAN
	FP	FLOOR PATTERN PLAN
	QU	EQUIPMENT PLAN
	RC	REFLECTED CEILING PLAN
	SY	(SYSTEMS) FURNITURE PLAN
500		EXTERIOR ARCHITECTURE
600		INTERIOR ARCHITECTURE
700	DF	DEMO FIRE PROTECTION
	DM	DEMO MED GAS
	DP	DEMO PLUMBING
	F	MECH FIRE PROTECTION
	M	MECH MED GAS
	P	MECH PLUMBING
800	DH	DEMO HVAC
	DP	DEMO PIPING
	H	MECH HVAC
	P	MECH PIPING
900	DL	DEMO ELEC LIGHTING
	DP	DEMO ELEC POWER
	DS	DEMO ELEC SYSTEMS
	L	ELEC LIGHTING
	P	ELEC POWER
	S	ELEC SYSTEMS
1000	DT	DEMO TECHNOLOGY PLANS
	T	TECHNOLOGY PLANS

SYMBOL LEGEND - GENERAL

07/15/2024

A	NEW GRID	A	EXISTING GRID
6'-0"	DIMENSION	℄	CENTERLINE
OFFICE 101	ROOM TAG	TEXT 100'-0"	BUILDING LEVEL OR OTHER DATUM
A3	WALL OR PARTITION TAG — SUBSCRIPT	1A 620	PLAN DETAIL OR ENLARGED FLOOR PLAN
1A 510	EXTERIOR ELEVATION	1A 605 2A	INTERIOR ELEVATION
1A 500	WALL SECTION	1A 500	BUILDING SECTION
XX01	KEYNOTE- 2 LETTER PREFIXES DE: DEMO PLAN — FN: FINISH PLAN DI: DIMENSION PLAN — FP: FLOOR PATTERN PLAN DR: DEMO CEILING PLAN — QU: EQUIPMENT PLAN EE: EXTERIOR ELEVATION — RC: REFLECTED CEILING PLAN EX: EXTERIOR PLAN — RP: ROOF PLAN FL: FLOOR PLAN — SY: FURNITURE PLAN		
100'-0"	FLOOR/SPOT ELEVATION		WORKING POINT
	REVISION CLOUD	PR-01	REVISION TAG
M100	EQUIPMENT TAG		
OUTSIDE LIMITS / WITHIN LIMITS	CONSTRUCTION LIMITS	ZONE 1 / ZONE 2	MATCH LINE

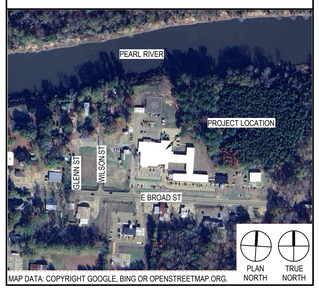
NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

SYMBOL LEGEND - MATERIALS

08/29/2024

	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)		

SITE LOCATION MAP



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GENERAL NOTES

03/12/2024

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.

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.

3. DO NOT SCALE DRAWINGS. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.

4. WHEREVER OPENINGS ARE CUT THROUGH FIRE RATED PARTITIONS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR WHOM THE HOLE IS CUT TO PATCH AND REPAIR ANY OPENING TO MAINTAIN THE INTEGRITY OF THE FIRE RATING.

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.

6. FIREPROOFING SHALL BE UNPIERCED. ANY SUBCONTRACTOR PENETRATING THE FIREPROOFING SHALL BE REQUIRED TO REPLACE FIREPROOFING TO THE ORIGINAL CONDITION AND FIRE RATING AT THE SUBCONTRACTOR'S EXPENSE.

7. EQUIPMENT UNIT DIMENSIONS ARE FOR PRODUCT DESCRIPTION ONLY. VERIFY SIZE WITH MANUFACTURER.

8. DIMENSIONS PERTAINING TO MECHANICAL OR ELECTRICAL SERVICES OR EQUIPMENT SHALL BE VERIFIED WITH THE RESPECTIVE TRADE.

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.

10. VERIFY HEIGHTS AND LOCATIONS OF ACCESS PANELS (AP) AND COORDINATE TYPES WITH TRADES WHICH REQUIRE THEM.

11. PROVIDE LINTELS AND FRAMING FOR GRILLES, LOUVERS, AND ROOF VENTS AS REQUIRED BY MECHANICAL CONTRACTOR, VERIFY SIZE AND LOCATION.

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.

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INFRASTRUCTURE UPGRADES AND INPATIENT REMODEL

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REGISTERED ARCHITECT 9/17/2025 SCOTT C KIRCHNER STATE OF MISSISSIPPI

Issued For

Item	Date
CD ISSUE	09/17/2025
AD-01	10/06/2025
AD-03	02/03/2026

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Keyplan

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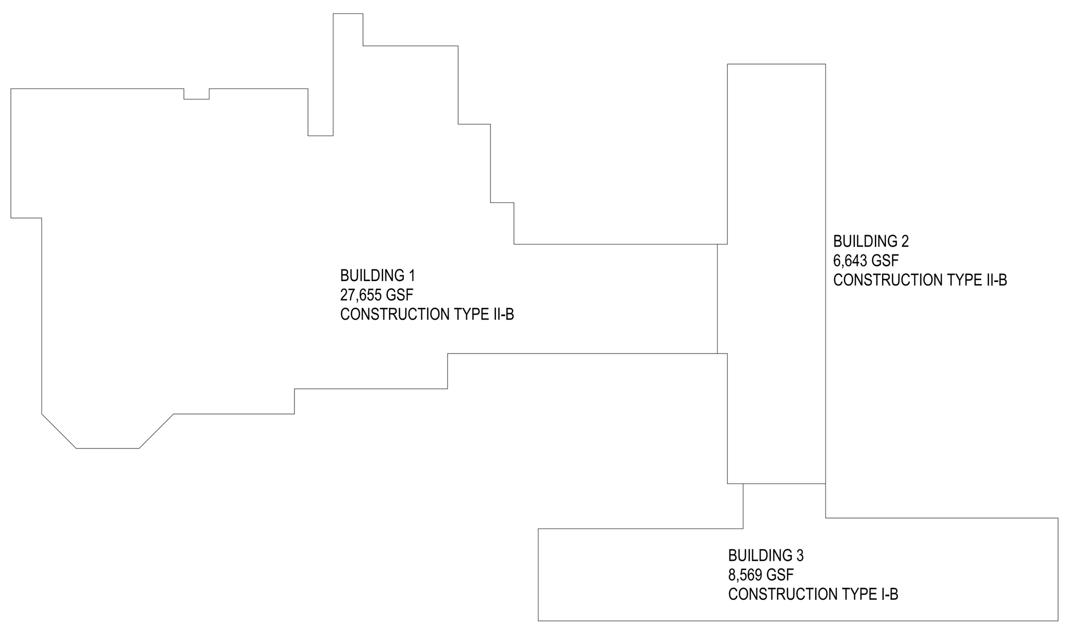
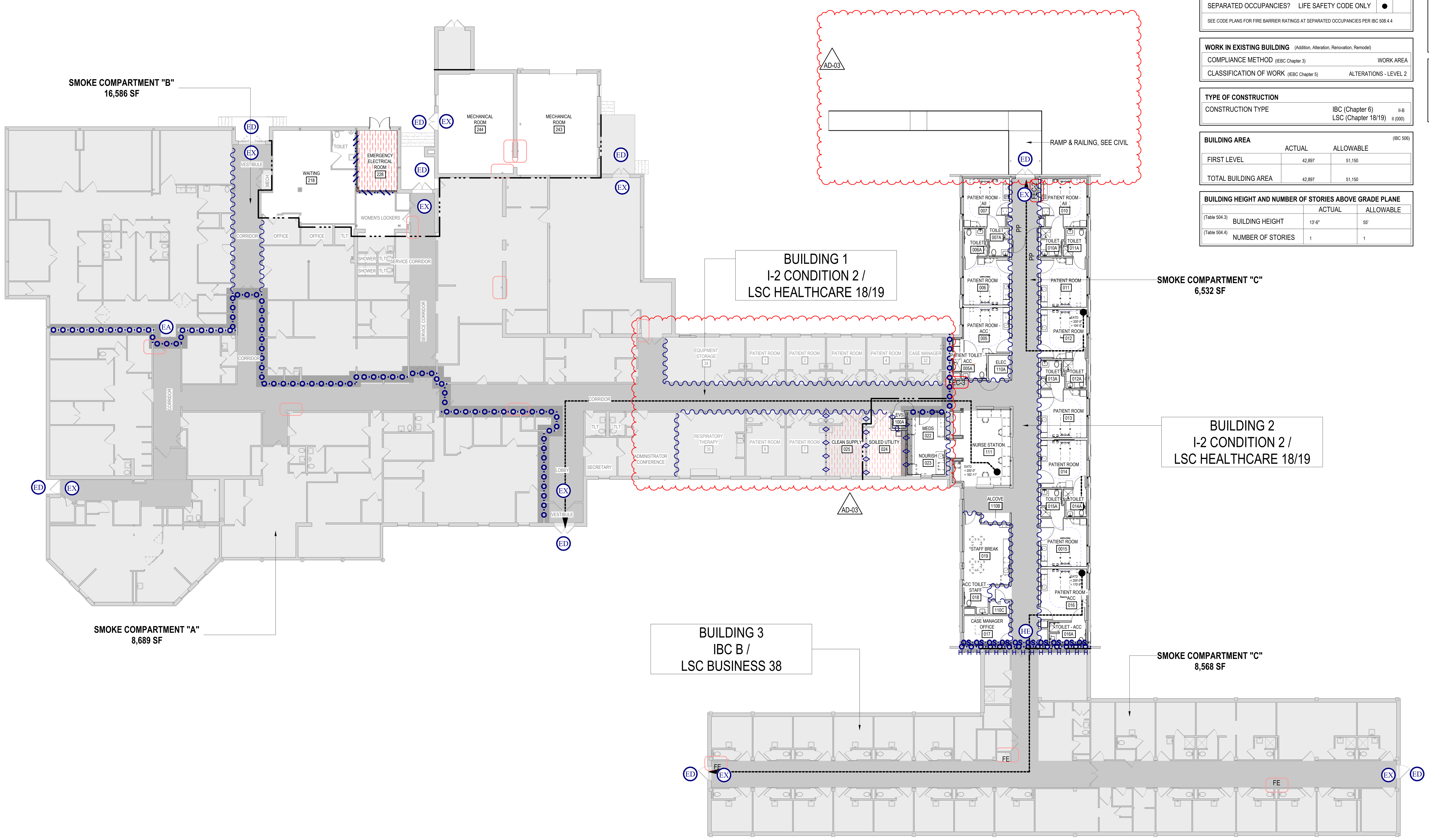
Sheet Title
CONSTRUCTION DOCUMENTS TITLE SHEET

Sheet No.
1.100



BUILDING OCCUPANCY TYPE



1H 1.101.CO CODE PLAN - FIRST LEVEL
1/16" = 1'-0"

CODE SUMMARY

PROJECT DESCRIPTION

REMODEL AN EXISTING INPATIENT WING TO CREATE FOURTEEN (14) PATIENT ROOMS AND ASSOCIATED STAFF SUPPORT SPACES. THERE WILL ALSO BE A SMALL ADDITION FOR TWO (2) ADDITIONAL PATIENT ROOMS.

GENERAL TYPE OF PROJECT	YES	NO
NEW BUILDING		●
ADDITION	●	
ALTERATION, RENOVATION, REMODEL	●	

AUTOMATIC SPRINKLER SYSTEM	YES	NO
INSTALLED THROUGHOUT BUILDING?	●	

RISK CATEGORY (IBC 1604.5)	
RISK CATEGORY IV	I-2 OCCUPANCY

AUTHORITIES HAVING JURISDICTION & APPLICABLE REGULATIONS	YES	NO
CITY OF MONTICELLO, MS	●	
STATE OF MISSISSIPPI	●	
Mississippi State Building Code 2024 IBC (without amendments) 2018 International Existing Building Code 2023 National Electrical Code 2024 International Energy Conservation Code 2018 IBC (chapter 11) and 2009 ICC/ANSI A117.1 2018 International Mechanical Code (plus amendments) 2018 International Fuel Gas Code (plus amendments) 2018 Uniform Plumbing Code 2024 International Fire Code 2016 Fire Sprinkler Code 2012 NFPA 101 Life Safety Code		
DEPARTMENT OF HEALTH (DOH)	●	
2006 FGI Guidelines		
THE JOINT COMMISSION (TJC)		●
CENTER FOR MEDICARE/MEDICAID SERVICES (CMS)	●	
Applicable NFPA Standards for TJC or CMS accreditation: NFPA 101-2012, NFPA 99-2012, NFPA 10-2010, NFPA 13-2010, NFPA 25-2011, NFPA 45-2011, NFPA 70-2011, NFPA 72-2010, NFPA 80-2010, NFPA 82-2009, NFPA 90A-2012, NFPA 90B-2012, NFPA 96-2011, NFPA 110-2010, NFPA 111-2010		
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN	●	

OCCUPANCY AND MIXED USE		YES	NO
OCCUPANCIES (IBC CH 3 & 4) (LSC CH 12-42)	I-2		
ACCESSORY OCCUPANCIES?	(IBC SECTION 508.2)	●	
NONSEPARATED OCCUPANCIES?	(IBC SECTION 508.3)	●	
SEPARATED OCCUPANCIES?	LIFE SAFETY CODE ONLY	●	

SEE CODE PLANS FOR FIRE BARRIER RATINGS AT SEPARATED OCCUPANCIES PER IBC 508.4.4

WORK IN EXISTING BUILDING (Addition, Alteration, Renovation, Remodel)	
COMPLIANCE METHOD (IEBC Chapter 3)	WORK AREA
CLASSIFICATION OF WORK (IEBC Chapter 5)	ALTERATIONS - LEVEL 2

TYPE OF CONSTRUCTION		
CONSTRUCTION TYPE	IBC (Chapter 6)	II-B
	LSC (Chapter 18/19)	II (000)

BUILDING AREA (IBC 506)	ACTUAL	ALLOWABLE
FIRST LEVEL	42,897	51,150
TOTAL BUILDING AREA	42,897	51,150

BUILDING HEIGHT AND NUMBER OF STORIES ABOVE GRADE PLANE	ACTUAL	ALLOWABLE
(Table 504.3) BUILDING HEIGHT	13'-6"	55'
(Table 504.4) NUMBER OF STORIES	1	1

ENERGY CONSERVATION (IECC 2015/2018 AND ASHRAE 90.1-2013/2016)			
ENERGY CODE	IECC 2024	CLIMATE ZONE	3A
COMPLIANCE PATH			PRESCRIPTIVE
IECC ADDITIONAL EFFICIENCY PACKAGE SELECTION: MORE EFFICIENT HVAC PERFORMANCE IN ACCORDANCE WITH C406.2			

OCCUPANT LOAD

AREA LOCATION	FUNCTION	FLOOR AREA	SF/OCC	# OF OCC
FIRST LEVEL I-2	ASSEMBLY UNCONCENTRATED	3497	15 NSF	233
	BUSINESS	6102	150 GSF	40
	CLASSROOM	561	20 NSF	28
	KITCHEN	2714	200 NSF	13
	LOCKER	319	50 GSF	6
	INPATIENT TREATMENT	4758	240 GSF	19
	OUTPATIENT	3637	100 GSF	36
	AMBULATORY	4016	150 GSF	26
	STORAGE AND MAINTENANCE	6298	300 GSF	20
			TOTAL:	421
			TOTAL BUILDING OCCUPANT LOAD:	478

FIRE-RESISTIVE REQUIREMENTS (TABLE 601/NFPA 220)		RATING (HRS)	TEST
STRUCTURAL FRAME			
COLUMNS		0	N/A
GIRDERS		0	N/A
TRUSSES		0	N/A
BEARING WALLS			
EXTERIOR BEARING WALLS		0	N/A
INTERIOR BEARING WALLS		0	N/A
NON-BEARING WALLS AND PARTITIONS	(IBC Table 602 and Section 602.4.6)		
EXTERIOR		0	N/A
INTERIOR	See Code Plans, RC Plans, & Spec		
FLOOR CONSTRUCTION			
FLOOR/CEILING ASSEMBLY		0	N/A
PRIME & SEC. FLOOR BEAMS, JOISTS			N/A
ROOF CONSTRUCTION			
ROOF/CEILING ASSEMBLY		0	N/A
PRIME & SEC. ROOF BEAMS, JOISTS		0	N/A
OTHER			
SHAFTS AND EXIT PASSAGEWAYS	(713 / 707 / 711)	N/A	N/A
EXTERIOR DOORS AND WINDOWS	(Table 602 and Table 705.8)	N/A	N/A

MISCELLANEOUS		YES	NO
FIRE RESISTIVE CORRIDORS?	(IBC Table 1018.1)		●
SMOKE TIGHT CORRIDORS (SMOKE PARTITIONS)	(IBC 407.3)	●	
INCIDENTAL USE AREA RATING(S)	(IBC Table 509) (others in LSC if I-2 Occupancy)	SEE PLANS	

INTERIOR FINISHES CLASSIFICATION (IBC Table 803.11/ 803.13 & Section 804) (NFPA 101 Section 18.3.3)

OCCUPANCY	EXITS Walls & Ceilings	EXITS Flooring*	CORRIDORS Walls & Ceilings	CORRIDORS Flooring*	ROOMS (UNO) Walls & Ceilings	ROOMS (UNO) Flooring*
I-2 and LSC CHAPTER 18/19	B	CLASS II	B	CLASS II	B	CLASS II

* Not applicable to non-fibrous flooring materials
** Class B materials permitted in administrative spaces and other spaces w/ capacity of ≤ 4 occupants

SYMBOLS LEGEND - CODE PLAN

FIRE RESISTANCE RATINGS

Symbol reference	Description
(IBC 708 / 1020.1)	FIRE PARTITION IBC CORRIDOR WALLS RATED STRUCTURAL CONTINUITY **REQUIRED** WITH NOTED EXCEPTIONS
INCIDENTAL USE (IBC 509) PROTECTION OF HAZARDS (LSC X.3.2)	1 HR **FIRE BARRIER** FOR INCIDENTAL / HAZARDOUS AREAS NO RATED STRUCTURAL CONTINUITY REQUIRED BUT MAY BE PROVIDED
(IBC 707) (LSC 8.3)	1 HR **FIRE BARRIER** WITH NO SMOKE DAMPERS RATED STRUCTURAL CONTINUITY **REQUIRED**
(IBC 707) (LSC 8.3)	1 HR **FIRE BARRIER** WITH SMOKE DAMPERS RATED STRUCTURAL CONTINUITY **REQUIRED**
(IBC 707) (LSC 8.3)	2 HR **FIRE BARRIER** WITH NO SMOKE DAMPERS RATED STRUCTURAL CONTINUITY **REQUIRED**
(IBC 707) (LSC 8.3)	2 HR **FIRE BARRIER** WITH FIRE AND SMOKE DAMPERS RATED STRUCTURAL CONTINUITY **REQUIRED**
(IBC 407.3 / 407.4.4.2 / 710) (LSC 8.4 / 18.2.5.7.1.2 / 18.3.6 / 38.3.2.1)	SMOKE PARTITION HEALTHCARE CORRIDOR AND SUITE SUBDIVISION LSC PROTECTION OF HAZARDS AT BUSINESS OCC NO RATED STRUCTURAL CONTINUITY REQUIRED
INCIDENTAL USE (IBC 509 / 709) PROTECTION OF HAZARDS (LSC X.3.2)	1 HR **FIRE BARRIER** FOR INCIDENTAL / HAZARDOUS AREAS THAT ALSO SERVES AS **SMOKE BARRIER** NO RATED STRUCTURAL CONTINUITY REQUIRED BUT MAY BE PROVIDED
(IBC 707 / 709 / 717.5.5 EXCEPT 1 OR 2) (LSC 8.3 / 8.5 / 18.3.7.3(2))	1 HR **SMOKE BARRIER** WITH NO SMOKE DAMPERS RATED STRUCTURAL CONTINUITY **REQUIRED**
(IBC 707 / 709) (LSC 8.3 / 8.5)	1 HR **FIRE BARRIER** AND/OR **SMOKE BARRIER** WITH SMOKE DAMPERS RATED STRUCTURAL CONTINUITY **REQUIRED**
(IBC 707 / 709 / 717.5.5 EXCEPT 1 OR 2) (LSC 8.3 / 8.5 / 18.3.7.3(2))	2 HR **FIRE BARRIER** THAT ALSO SERVES AS A **SMOKE BARRIER** WITH NO SMOKE DAMPERS RATED STRUCTURAL CONTINUITY **REQUIRED**
(IBC 707 / 709) (LSC 8.3 / 8.5)	2 HR **FIRE BARRIER** THAT ALSO SERVES AS A **SMOKE BARRIER** WITH FIRE AND SMOKE DAMPERS RATED STRUCTURAL CONTINUITY **REQUIRED**

MEANS OF EGRESS

Symbol	Description
OCC: ### REQ ##" / PRO ##"	OCCUPANT LOAD SERVED BY DOOR OR STAIR REQUIRED AND PROVIDED EGRESS WIDTH
EA	EXIT ACCESS
EX	EXIT
ED	EXIT DISCHARGE
HE	HORIZONTAL EXIT
DE	LOCKED - DELAYED EGRESS
SL	LOCKED - SPECIAL LOCKING ARRANGEMENT I-1, I-2 (WIBC 1010.1.9.6 / LSC 18.2.2.2.5.1)

WHERE USED, ARROW INDICATES DIRECTION OF EGRESS

MISCELLANEOUS

Symbol	Description
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER & CABINET
HV	HOSE VALVE
HVC	HOSE VALVE & CABINET
	FE & VALVE CABINET LOCATIONS
MOE	MEANS OF EGRESS
OUTSIDE LIMITS / WITHIN LIMITS	CONSTRUCTION LIMITS

WALL FUNCTION

Symbol	Description
	SMOKE BOUNDARY SEE IBC 709, 717.5.5 LSC XX.3.7, 8.3
H·H·H·H·H·H·H·H·	HORIZONTAL EXIT SEE IBC 1026 FOR I-3 OCCUPANCY, SEE ALSO 408.2
OB·OB·OB·OB·OB·OB·	OCCUPANCY BOUNDARY SEE IBC 508.3, 711 LSC 6.1.14.3 (FIRE BARRIER)
OS·OS·OS·OS·OS·OS·	OCCUPANCY SEPARATION SEE IBC 509, 711 LSC XX.1.2 (FIRE BARRIER)
S S S S S S S S S	HEALTHCARE SUITE SEE IBC 407.4.4 EXIT REQUIREMENTS DEFINE SPACE: 15,000 SF MAX PATIENT TREATMENT SUITE (12,500 w/o SMOKE DETECTION) 10,000 SF MAX PATIENT SLEEPING SUITE (7,500 sf w/o SMOKE DETECTION)

AREA CLASSIFICATION

Symbol	Description
	EGRESS PATH SURROUNDING SYMBOLS INDICATE RATING AND DAMPER REQUIREMENTS
	EXIT PASSAGEWAY SURROUNDING SYMBOLS INDICATE RATING AND DAMPER REQUIREMENTS
	SHAFT SURROUNDING SYMBOLS INDICATE RATING AND DAMPER REQUIREMENTS. FIRE DAMPER REQUIRED AT BOTTOM OF SHAFT
	INCIDENTAL USE SURROUNDING SYMBOLS INDICATE RATING AND DAMPER REQUIREMENTS SPACE REQUIRED TO LIMIT TRANSFER OF SMOKE CLOSER, LATCH & GASKETS REQUIRED (IBC 509.4, LSC XX.3.2)

NOT ALL SYMBOLS MAY BE USED ON EACH PLAN.

REFERENCES TO LSC (LIFE SAFETY CODE) "XX" REFERS TO CH 12 - 42.

Southwest Mississippi Regional Medical Center
Southwest Health

LAWRENCE COUNTY HOSPITAL

INFRASTRUCTURE UPGRADES AND INPATIENT REMODEL

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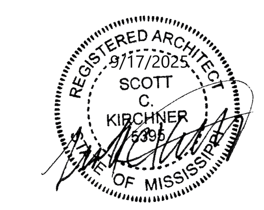

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AD-03	02/03/2026

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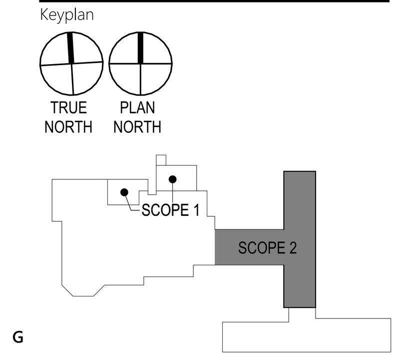
Keyplan



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Sheet Title
CODE PLAN, CODE SUMMARY, SYMBOLS LEGEND

Sheet No.
1.101.CO

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STRUCTURAL NOTES, GENERAL

1. CODE: References to the "code" in each section shall be as follows:

Building Code:	IBC 2024
Risk Category:	IV
Other Applicable Codes as Referenced in the Building Code:	
Concrete Code:	ACI 318, ACI 301
Steel Code:	AISC 360, Specification for steel buildings, AISC 341 Seismic Provisions
Minimum Design Loads for Building:	ASCE 7
Cold Formed Steel:	AISI S100/S2

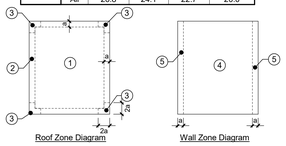
2. STRUCTURAL DESIGN LOADS:

ROOF LIVE LOADS:
Flat and Sloped Roofs: 20 PSF, minimum

FLOOR LIVE LOADS:
Patient Rooms: 40 PSF
Corridors: 100 PSF

WIND:
Wind Speed (Ultimate): 125 MPH
Exposure Category: B
Internal Pressure Coefficient: ± 0.18

Surface	Zone	Component & Cladding Pressure (psf) Effective Wind Area (ft²) 10	50	100	500
Roof	1	-29.8	-28.0	-27.2	-27.2
	2	-49.9	-37.6	-32.3	-32.3
	3	-75.2	-45.2	-32.3	-32.3
	All	12.1	10.3	9.6	9.6
Wall	4	-29.1	-26.3	-25.0	-22.2
	5	-35.9	-30.2	-27.9	-22.2
	All	26.8	24.1	22.7	20.0



Roof Zone Diagram Wall Zone Diagram

Component & Cladding Pressure Notes:
1. Wind pressures noted above are ultimate level pressures.
2. Positive values denotes pressures acting towards the interior of the building, negative values denore pressure acting away from the building interior.
3. For effective wind areas between the values shown in the table, linear interpolations is permitted.
4. a = 5'-0".

SEISMIC:

Spectral Response Accelerations:	S_S = 0.170; S_1 = 0.084
Site Class:	D
Design Spectral Response Accelerations:	S_{DS} = 0.150; S_{D1} = 0.120
Importance Factor:	1.0
Seismic Design Category:	C

3. FOUNDATION DESIGN CRITERIA:

Foundation design based on the following Geotechnical Engineering Report completed by Terracon, Inc dated July 1, 2025 [Project No.: EB255059]

- Continuous Wall Footings:	2,000 PSF
- Isolated Column Footings:	2,000 PSF

Note: All Footing Excavations shall be inspected and approved by the Geotechnical Engineer prior to placing concrete.

4. EXCAVATION AND BACKFILL:
   - A. All earthwork operations shall be completed in accordance with the Geotechnical Exploration Report.
   - B. Protect all excavations from damage due to water or freezing temperatures.
   - C. All Footing excavations shall be inspected and approved by the Geotechnical Engineer prior to placing concrete.
   - D. See Civil Drawings, Geotechnical Engineering Report, and Specifications for additional requirements.
5. GENERAL NOTES:
   - A. All work shall comply with requirements of the Building Code, with recommendations of manufacturers, and with recognized workmanship and material standards.
   - B. Comply with all applicable codes, ordinances, and regulations including those promulgated and enforced by OSHA. The structural design represented by the drawings and specifications is based on interaction of the various components, materials, and systems shown or required by the drawings and specifications. The contractor shall determine the need for and provide all required bracing, shoring, or other means to ensure stability and safety until all work required by the contract documents is complete. When and where necessary to comply with these requirements, the contractor shall provide appropriate additional temporary or permanent connections, shoring, and/or bracing or, in the alternative, shall make appropriate modifications of specified connections and/or members. Where additions to or modifications of specified requirements are proposed, they shall be submitted to the Architect for review and approval. Such review and approval will be only for compliance with the structural and architectural design intent for the work. The adequacy for construction phase stability and safety is the responsibility of the contractor.
   - C. Adapt requirements of details, sections, plans, and notes at all locations of which conditions are similar.
   - D. The structural drawings are to be read in view of all other drawings and all specifications. Coordinate all work shown with all other work.
   - E. Shop drawings for any part of the work shall show the interface with and provisions for related other work including such adaptations of requirements given as may be necessary.
   - F. Contractor shall cross check dimensions and elevations between architectural, mechanical, and structural plans and notify Architect of any variance before contractor begins work.
6. MECHANICAL, ELECTRICAL, AND PIPING SYSTEMS WORK:
   - A. See 'Structural Steel Work Notes' for maximum allowable concentrated loads from steel roof deck.
   - B. Secondary framing, bridging, or other means shall be provided to distribute loads to structural members. Such framing, bridging, or other means shall be shown on the shop drawings for the work of the mechanical, electrical and piping systems.
   - C. For limitations on excavations, see 'Cast-In-Place Concrete Notes' regarding Footing Work.
   - D. Location and design weight of Mechanical Units are indicated on the Framing Plans. If the units are heavier or located differently than indicated, notify the Architect/Engineer. Revisions to the framing may be required.
7. SPECIAL INSPECTION:
   - A. Special Inspection in accordance with the Building Code will be performed per the special inspection schedules on sheet 290.
   - B. Special Inspections shall be hired and paid for by the owner. Retest expenses for failed inspections will be charged to the contractor.
   - C. The Contractor shall provide the Special Inspector sufficient notification to allow the required inspections to be made without delaying the construction schedule. The Contractor shall confirm that all inspections have been completed and approved by the Special Inspector prior to proceeding with Work.

CAST-IN-PLACE CONCRETE WORK

1. MATERIALS:

Concrete:

Location:	28-Day Strength	Slump (*)	Max. Aggregate	Design Density
Footings, foundation walls, and all other concrete not noted below.	4,000 PSI	4"-6"	1"	N.W.
Slabs-on-metal deck	4,000 PSI	4"-6"	3/4"	N.W.

(*) Slump may be increased as needed to make installation easier provided the increased slump is due to the use of proper admixture selection. All submitted concrete mixes shall indicate the use of such admixtures. Water may not be added in the field.

Other Materials:

Reinforcing Bars:	ASTM A615 Grade 60, deformed.
Deformed Bar Anchors:	ASTM A496, with a minimum tensile strength of 80 ksi.
Welded Wire Fabric:	ASTM A1064, flat sheet type.
Anchor Bolts:	ASTM F1554 [GR. 36], Headed Type, U.N.O.
Weldable Reinforcing Bars:	ASTM A706 Grade 60, deformed.

2. CONTINUITY:

All reinforcing shall be continuous unless noted otherwise. Continuity at corners and intersections shall be achieved using corner bars and contact lap splices; see typical detail. Continuity at other locations may be achieved using contact lap splices shown on approved shop drawings. Location of lap splices shall be shown on the shop drawings. Unless noted otherwise, the following lap splices shall be used: (All lap splices are class B splices)

Location:	#3	#4	#5	#6	#7	#8	#9	#10	#11
4000 & 4500 PSI Concrete:									
- Top Bars (*):	16"	19"	25"	36"	61"	80"	102"	129"	159"
- Other Bars:	16"	16"(**)	19"	28"	47"	62"	78"	99"	123"

(*) Top bars are horizontal reinforcing where more than 12" of concrete is cast in the member below the reinforcing.

(**) For #4 epoxy coated rebar, use 24" splice length.

Mechanical connections may be used in lieu of lap splices provided approval is obtained from the Architect/Engineer. Connections shall develop in tension 125 percent of the specified yield strength of the bar. All mechanical connections shall be shown on the shop drawings and be installed in accordance with the manufacturer's written instructions and the product's ICC-ES report. Submit the product's ICC-ES report for mechanical splice products with shop drawings.

3. GENERAL:
   - A. Coordinate work with all other work.
   - B. All reinforcing shall be continous; see notes above. All reinforcing, anchor bolts, and other embedded items shall be secured in place prior to placing concrete.
   - C. Construction joints shall be keyed joints, unless noted otherwise, with reinforcing continuous through the joint. Construction joints shall be located in a manner not to affect the strength of the concrete. Concrete on one side of construction joints shall not be placed less than 24 hours after placement of concrete on the opposite side of the construction joint.
   - D. Straight dowels may be 'wet set' in plastic concrete and vibrated if continous special inspection is provided. Dowels with hooks must be secured before pouring concrete.
   - E. Minimum clear cover from reinforcing to surfaces of concrete shall be as follows:
     1. Concrete cast against and permanently exposed to earth: 3"
     2. Concrete exposed to earth or weather: 1 1/2" (#5 and smaller); 2" (#6 and larger)
     3. Concrete not exposed to weather or in contact with earth: 3/4"

     Clear distance between parallel bars in a layer shall be as shown on the plans with minimum of 2 1/2".
4. FOOTING WORK:
   - A. Pipes and other work which require trenching adjacent to pad footings and parallel to continuous footings shall not be located below lines extending downward from the bottom edges of the footing at a 45-degree angle from the horizontal. Pipes and other work perpendicular to continuous footings may be located beneath the footing. Footing elevations may be lowered if approved on the footing shop drawings.
5. SLAB-ON-GRADE WORK:
   - A. Coordinate slab-on-grade work with all other work. Provide thickened slabs, depressed slabs, equipment pads, blockouts, etc. as needed. See Arch. plans for elevations and locations.
   - B. Saw cut control joints in slab to a depth equal to 1/3 the slab thickness.
   - C. Slabs-on-grade Requirements U.N.O. on the plans:
     1. Thickness: 4" Minimum
     2. Reinforcing: 6x6-W1.4xW1.4 W.W.F (flat sheet only; rolled sheet not permitted)
     3. Control Joints: 10'-0"o.c. maximum each way, unless noted otherwise.
   - D. Separate S.O.G. w/ 3/8" expansion joint material from all columns and walls. Differential movement could occur between foundations and slab-on-grade.
   - E. All slabs-on-grade shall have a 15 mil Class A Vapor Barrier directly beneath the slab.
   - F. Provide 6" of crushed aggregate below the vaporbarrier. Crushed aggregate shall consist of a free-draining material, less than 10% fines (i.e., clean sand or size 610 crushed stone).
   - G. Prior to placing Vapor Barrier, subgrade shall be COMPACTED to a minimum of 98% of the maximum dry density at a moisture content between -2% and +2% of optimum per ASTM D698, Standard Proctor.
6. CONCRETE SLABS ON METAL DECK:
   - A. Place concrete slab over metal deck with the minimum thickness described on the plans. The top of the slab shall be placed level to the elevation shown on the plans. Because beams will deflect during erection and concrete placement more concrete will be required than theoretically estimated using a uniform slab thickness. Electrical boxes placed in slab must be shimmed to account for beam and deck deflection.
   - B. Openings in Slabs:
     1. Some, but not necessarily all, openings are shown on the Structural Drawings. Contractor shall coordinate location and size of all openings with other work [Mech., Elec., etc.].
     2. Openings in concrete slabs up to 6" in diameter / width may be core drilled or saw cut as long as only one deck flute is interrupted. Openings greater than 6" and not specifically framed or detailed on the drawings must be brought to the attention of the structural engineer.
        - a. Multiple small openings shall be spaced no closer than 24" edge to edge.
     3. If opening cannot be constructed per the requirements above and has not been shown on the structural plans, submit the opening size and location of the architect/engineer for determination of the lintel to be used.
7. CONCRETE WALLS:
   - A. Coordinate with architectural and mechanical drawings & specifications for wall locations & locations of openings through walls for doors, windows, louvers, etc. See Architectural plans for the location & type of finish required on any exposed concrete walls.
   - B. Walls shall have dowels into the footing at each vertical bar matching the size and spacing of the vertical bars, unless noted otherwise. Dowels shall have 90° hook 3" clear the bottom of the footing, unless noted otherwise.
   - C. Where walls are shown integral with pilasters, the pilasters and walls shall be poured concurrently with the concrete type specified for the wall. All horizontal reinforcing through intersecting pilasters or walls shall be continuous.

2021 IBC TABLE 1705.2.3 REQUIRED SPECIAL INSPECTIONS OF OPEN-WEB STEEL JOISTS AND JOISTS GIRDERS

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD (a)
1. Installation of open-web steel joists and jois girders:			
a. End connections - welding or bolted.	--	X	SJI specifications listed in Section 2207.1.
b. Bridging - horizontal or diagonal.	--	--	
1. Standard bridging	--	X	SJI specifications listed in Section 2207.1.
2. Bridging that differs from the SJI specifications listed in Section 2207.1	--	X	

For SI: 1 inch = 25.4 mm.
(a) Where applicable, see also Section 1705.13, Special inspections for seismic resistance.

2021 IBC TABLE 1705.3 REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION

	TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD	IBC REFERENCE
1.	Inspect reinforcement, including prestressing tendons, and verify placement.	--	X	ACI 318 Ch. 20, 25.2, 25.3, 26.6.1-26.6.3	--
2.	Reinforcing bar welding: a. Verify weldability of reinforcing bars other than ASTM A706; b. Inspect single-pass fillet welds, maximum 5/16"; and c. Inspect all other welds.	-- X	X X	AWS D1.4 ACI 318: 26.6.4	--
3.	Inspect anchors cast in concrete.	--	X	ACI 318: 17.8.2	--
4.	Inspect anchors post-installed in hardened concrete members. (b) a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads. b. Mechanical anchors and adhesive anchors not defined in 4.a.	X --	-- X	ACI 318: 17.8.2.4 ACI 318: 17.8.2	--
5.	Verify use of required design mix.	--	X	ACI 318: Ch. 19, 26.4.3, 26.4.4	1904.1, 1904.2
6.	Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	X	--	ASTM C31 ASTM C172 ACI 318: 26.5, 26.12	--
7.	Verify maintenance of specified curing temperature and techniques.	--	X	ACI 318: 26.5.3-26.5.5	--
8.	Inspect prestressed concrete for: a. Application of prestressing forces; and b. Grouting of bonded prestressing tendons.	X X	-- --	ACI 318: 26.10	--
9.	Verify in-situ concrete strength, prior to stress-ing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs.	--	X	ACI 318: 26.11.2	--
10.	Inspect formwork for shape, location and dimensions of the concrete member being formed.	--	X	ACI 318: 26.11.1.2(b)	--

For SI: 1 inch = 25.4 mm.
(a) Where applicable, see also Section 1705.13, Special inspections for seismic resistance.
(b) Specific requirements for special inspection shall be included in the research report for the anchor issued by an approved source in accordance with 17.8.2 in ACI 318, or other qualification procedures. Where specific requirements are not provided, special inspection requirements shall be specified by the registered design professional and shall be approved by the building official prior to the commencement of the work.

STRUCTURAL STEEL WORK

1. MATERIALS:

Wide Flange Beams and Tee Shapes:	ASTM A992, Grade 50
Angles, Channels, Plates, and Bars:	ASTM A36
Steel Tubes:	ASTM A500, Grade C
Steel Pipes:	ASTM A53, Type E or S, Grade B
Headed Studs:	ASTM A108, Grade 1015
Anchor Bolts:	ASTM F1554 [Gr. 36], Headed Type, U.N.O.
Non-High Strength Bolts:	ASTM A307
High Strength Bolts:	ASTM A325 bearing type connections, U.N.O.
Welding Electrodes:	E70
Deformed Bar Anchors:	ASTM A496, with a minimum tensile strength of 80 ksi.

2. STRUCTURAL STEEL:
   - A. All steel work shall comply with the Building Code and Steel Code.
   - B. Provide structural steel work as shown on the drawings and submit shop drawings for the same. Where the design of members or connections are not specifically noted, provide such in accordance with the latest AISC specifications and submit the design with the shop drawings for approval.
   - C. Steel shall be fabricated to achieve the elevations, slopes, and geometry shown on the Architectural and Structural Drawings. Structural steel shall provide a uniform surface for the attachment of metal deck.
   - D. All structural steel shapes, plates, bolts, etc. exposed to weather shall be galvanized.
     1. Touch-up all field welding work of galvanized members w/ ZRC Cold Galvanizing.
   - E. All bolted connections shall be "snug-tight" unless noted otherwise on structural details.
3. METAL ROOF DECK:
   - A. All metal roof deck work shall comply with SDI - Steel Deck Institute "Specifications and Commentary for Steel Roof Deck".
   - B. Metal Roof Deck Properties:
     1. Vulcraft 1.5B or equal with the following minimum section properties:

     Depth: 1 1/2"
     Thickness: 20ga.
     Finish: Primed, U.N.O.
     Yield Stress: 33 KSI min.
   - C. Metal roof deck shown on the drawings shall be used in 3 or more span condition.
   - D. Metal roof deck shall be attached as follows, unless noted otherwise on the drawings:
     - a. Fasten deck to steel supports with 5/8" diameter puddle welds at 36/4 pattern.
     - b. Where deck is parallel to steel, attach deck to steel with 5/8" diameter puddle welds at 12"o.c., unless noted otherwise on plans
     - c. Fasten side laps of individual sheets together with #10-16 Teks screws at 24"o.c. maximum between supports.
   - E. All edges and openings in deck shall be supported. Unless noted or approved otherwise, provide support in accordance with the following:

     Openings less than 8":
     Add a 2'-0" (min.) wide x 3'-0" long piece of deck nested on top of deck. Screw flutes together with #10 screws at 6" centers. Opening may be cut through the center of the deck.

     Openings greater than 8" in either direction:
     Support edges of openings with steel framing supported by the steel joists or beams as shown in the typical detail. The steel deck shall be welded to the framing with the welds at 12" centers.
   - F. Each connection point to metal deck may support up to 25 pounds.
   - G. Mechanical equipment, piping, ductwork, etc. shall be supported from the Structural Framing.
4. STEEL FORM DECK:
   - A. All steel floor deck work shall comply with SDI - Steel Deck Institute "Specifications and Commentary for Noncomposite Steel Form Deck".
   - B. Non-composite Steel Floor Deck Properties:
     1. Vulcraft "1.0C" or equal with the following minimum section properties:

     Depth: 1" Finish: Galvanized
     Thickness: 22ga. Yield Stress: 60 ksi
   - C. Steel form deck shown on the drawings shall be used in 3 or more span condition.
   - D. Steel form deck shall be attached as follows, unless noted otherwise on the drawings:
     - Fasten deck to structural steel supports with 5/8" diameter puddle welds at 33/4 pattern.
     - Where edge of deck is parallel to structural steel framing, attach with 5/8" diameter puddle welds at 12"o.c.
     - Fasten side laps of individual sheets together between supports with #10-16 screws at 24"o.c.
   - E. Openings thru Non-Composite Slab-on-Metal Deck, see Cast-in-Place Concrete Work Note6.
     1. Some, but not necessarily all, openings are shown on the Structural Drawings. Contractor shall coordinate location and size of all openings with other work [Mech., Elec., etc.].
     2. Openings in concrete slabs up to 6" in diameter / width may be core drilled or saw cut.
   - F. Do not support piping in excess of 100 lb from non-composite slab-on-metal deck. Any location where larger loads occur supplemental framing shall be provided to transfer the loading to the steel framing members.
5. OPEN WEB JOISTS:
   - A. All steel joist work shall comply with SJI - Steel Joist Institute - "Standard Specifications for Open Web Steel Joists".
   - B. Steel joists are designated on the drawings using Steel Joist Institute designations. Provide special joist designs as specifically noted on the plans or details.
   - C. Steel joists shall be designed for a minimum net uplift of **15 psf** unless noted otherwise and without a 1/3 stress increase.
   - D. Joist Bridging:
     1. All bridging shall be continuous. Bridging may be terminated where necessary (e.g. for mechanical work) provided diagonal cross bridging is provided at each adjacent joist space. Bridging shall not be interrupted at two adjacent joist spaces.
     2. Where diagonal cross bridging is used, provide horizontal bridging at first joist space adjacent to walls.
   - E. Do not place concentrated loads in excess of 100 lbs. between panel points of steel joists unless web members are installed in accordance with the typical detail. Joist reinforcing details assumes red web members. If angle web members are provided the joist manufacturer shall provide an alternate detail of equivalent strength on the shop drawings.
   - F. Joist locations shall be shown on the shop drawings. Any deviations in locations for those shown on the drawings shall be highlighted.
6. All steel joists shall be designed for a minimum of 25% shear reversal. Snowdriffs have been accounted for in the standard joist designations shown on the plans

2016 AISC 360 TABLE N5.4-1 Inspection Tasks Prior to Welding

Inspection Tasks Prior to Welding	QC	QA
Welder qualification records and continuity records	P	O
WPS available	P	P
Manufacturer certifications for welding consumables available	P	P
Material identification (type/grade)	O	O
Welder identifications system (1)	O	O
Fit-up of groove welds (including joint geometry) - Joint preperation - Dimensions (alignment, root opening, root face, bevel) - Cleanliness (condition of steel surfaces) - Backing type and fit (if applicable)	O	O
Fit-up of CJP groove welds of HSS T-, Y- and K-joints without backing (Including joint geometry) - Joint preparations - Dimensions (alignment, root opening, root face, bevel) - Cleanliness (condition of steel surfaces) - Tacking (tack weld quality and location)	P	O
Configuration and finish of access holes	O	O
Fit-up of fillet welds - Dimensions (alignment, gaps at root) - Cleanliness (condition of steel surfaces) - Tacking (tack weld quality and location)	O	O
Check welding equipment	O	---

(a) The fabricator or erector, as applicable, shall maintain a system by which a welder who has welded a joint or member can be identified. Stamps, if used, shall be the low-stress type.

2016 AISC 360 TABLE N5.6-1 Inspection Tasks Prior to Bolting

Inspection Tasks Prior to Bolting	QC	QA
Manufacturer's certifications available for fastener materials.	O	P
Fasteners marked in accordance with ASTM requirements.	O	O
Correct fasteners selected for the joint detail (grade, type, bolt length if threads are to be excluded from shear plane)	O	O
Correct bolting procedure selected for joint detail.	O	O
Connecting elements, including the appropriate faying surface condition and hole preparation, if specified, meet applicable requirements.	O	O
Pre-installation verification testing by installation personnel observed and documented for fastener assemblies and methods used.	P	O
Protected storage provided for bolts, nuts, washers and other fastener components.	O	O

STRUCTURAL COLD-FORMED METAL FRAMING WORK

1. GENERAL:
   - A. Structural lightgage framing member minimum yield strengths:
     - 18 gage and thinner: 33 KSI
     - 16 gage and thicker: 50 KSI
     - Minimum yield strengths apply to all studs, tracks, flat straps, gussets, and other framing members, unless specifically noted otherwise.
   - B. Connection material noted on the plans shall be by 'The Steel Network, Inc.' of Raleigh, North Carolina [www.steelnetwork.com / 1-888-474-4876] or Approved equivalent.
   - C. Structural lightgage framing member thicknesses and depths shall be as noted on the Drawings. Unless noted otherwise, stud and track properties are as follows:

     Exterior Walls:
     6" studs with unsupported lengths ≤ 11'-0": Studs – 600S162-43, Tracks – 600T125-43
     6" studs with unsupported lengths > 11'-0"; ≤ 16'-0": Studs – 600S162-54, Tracks – 600T125-54

     Note: Locations where studs are attached to concrete stem walls, HSS wind girts, and roofs are considered support locations in order to determine the unsupported length.
2. INSTALLATION – WALLS:
   - A. Field cutting of steel members shall be by saw or shear. Torch cutting is not permitted.
   - B. Attach lightgage framing that is continuous along other Work as follows, unless noted otherwise on the Drawings:
     1. Continuous bottom wall track along concrete or masonry: Use (1)-Hilti 0.157"Ø 'X-U' universal knurled shank fastener or DeWalt 0.157"Ø 'CSF' pins at 16"o.c. (1 1/2" embedment), unless noted or detailed otherwise.
     2. Continuous wall track or soffit track along HSS Steel Tubes or Structural Steel: Use (1)-Hilti 0.157"Ø 'X-U' universal knurled shank fastener or DeWalt 0.157"Ø 'CSF' pins at 16"o.c., unless noted or detailed otherwise.
   - C. At track butt joints, abutting pieces of track shall be securely anchored to a common stud. Where splicing of wall track is necessary between stud spacings, a piece of wall stud shall be placed in the adjoining track sections and fastened to the track flanges at both sides of the wall with (3)-#12-14 TEK screws on each side of the joint.
   - D. Connect multiple studs and track together with (2) rows of #10-16 TEK screws or DeWalt Drill-Flex at 12"o.c. unless noted otherwise on the Drawings.
   - E. All exterior wall studs shall be laterally braced in their weak axis with Dietrich SPAZZER 5400 bridging (or Approved Equal) at 4'-0"o.c. max. and installed per manufacturer's instructions. Where OSB or Gypsum sheathing is not attached to wall, provide lateral bracing of both flanges using straps.
   - F. EXTERIOR Wall Openings: See the DETAIL **1/290** for framing required around openings through strcutural cold-formed steel stud non-load-bearing walls.

2021 IBC TABLE 1705.6 REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS

	TYPE	CONTINUOUS	PERIODIC
1.	Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	-	X
2.	Verify excavations are extended to proper depth and have reached proper material.	-	X
3.	Perform classification and testing of compacted fill materials.	-	X
4.	During fill placement, verify use of proper materials and procedures in accordance with the provisions of the approved geotechnical report. Verify densities and lift thicknesses during placement and compaction of compacted fill.	X	-
5.	Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly.	-	X

AD-03

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EXISTING CONSTRUCTION NOTES

1. Field verify vertical and horizontal location of existing construction prior to proceeding with work.
2. Existing conditions shown on the drawings were obtained from existing plans, field observations, or were assumed. If conditions other than those shown exist, immediately notify Architect before proceeding with the work at that location; alternate methods of construction may need to be used.
3. Use appropriate construction methods and equipment to support existing structures and to avoid overstressing the existing structures.
4. Where existing construction shows signs of deterioration or damage, notify Engineer for observation to determine if corrective work is required.
5. Where specifically noted on the drawings, notify engineer after existing structural items have been exposed to view. Allow (1) week from notification for engineer to observe existing conditions and issue requirements for new construction.
6. OPENINGS THROUGH EXISTING WALLS:
   - A. All existing openings in walls that are to be infilled shall be filled in tight on all sides with the same material as the wall.
     - Openings with widths ≤ 5'-0": Provide mortar tight along all edges between existing and new masonry.
     - Openings with widths > 5'-0": Provide bond beams with (1) continuous #4 at 4'-0"o.c. maximum. Dowel reinforcing 6" into the existing jambs in epoxy and screen tubes. Provide mortar tight along all edges between new and existing masonry.
   - B. All new openings in existing walls shall have a lintel at the head, see plans for requirements.
   - C. If opening cannot be constructed per the requirements above and has not been shown on the structural plans, submit the opening size and location of the architect/engineer for determination of the lintel to be used.

AISC SPECIAL INSPECTION NOTES:
O - Observe these items on a random basis. Operations need not be delayed pending these inspections.
P - Perform these tasks for each steel element.
QC - Quality Control performed by the Steel Fabricator and Erector.
QA - Quaility Assurance performed by the Special Inspector.

2016 AISC 360 TABLE N5.4-2 Inpsections During Welding

Inpsection Tasks During Welding	QC	QA
Control and handling of welding consumables - Packaging - Exposure control	O	O
No welding over cracked tack welds	O	O
Environmental conditions - Wind speed within limits - Precipitation and temperature	O	O
WPS followed - Settings on welding equipment - Travel speed - Selected welding materials - Shielding gas type/flow rate - Preheat applied - Interpass temperature maintained (min./max.) - Proper position (F, V, H, OH)	O	O
Welding techniques - Interpass and final cleaning - Each pass within profile limitations - Each pass meets quality requirements	O	O
Placement and installation of steel headed stud anchors	P	P

2016 AISC 360 TABLE N5.4-3 Inspection Tasks After Welding

Inspection Tasks After Welding	QC	QA
Welds cleaned	O	O
Size, length and location of welds	P	P
Welds meet visual acceptance criteria - Crack prohibition - Weld/base-metal fusion - Crater cross section - Weld profiles - Weld size - Undercut - Porosity	P	P
Arc strikes	P	P
k-area (1)	P	P
Backing removed and weld tabs removed (if required)	P	P
Repair activities	P	P
Document acceptance or rejection of welded joint or member	P	P
No prohibited welds have been added without the approval of the EQR	O	O

(a) When welding of doubler plates, continuity plates or stiffeners has been performed in the k-area, visually inspect the web k-area for cracks within 3 in. (75 mm) of the weld.

(b) After rolled heavy shapes (see Section A3.1c) and built-up heavy shapes (see Section A3.1d) are welded, visually inspect the weld access hole for cracks.

2016 AISC 360 TABLE N5.6-2 Inspection Tasks During Bolting

Inspection Tasks During Bolting	QC	QA
Fastener assemblies, of suitable condition, placed in all holes and washers (if required) are positioned as required	O	O
Joint brought to the snug-tight condition prior to the pretensioning operation	O	O
Fastener component not turned by the wrench prevented from rotating	O	O
Fasteners are pretensioned in accordance with the RCSC Specification progressing systematically from the most rigid point toward the free edges	O	O

2016 AISC 360 TABLE N5.6-3 Inspection Tasks After Bolting

Inspection Tasks After Bolting	QC	QA
Document acceptance or rejection of bolted connections	P	P

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ROY JAMES NISSEN
LICENSED PROFESSIONAL ENGINEER
34579
9/17/25
STATE OF MISSISSIPPI

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CD ISSUE	09/17/2025
AD-03	02/03/2026

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Keyplan

Comm. No.	Drawn
P.2400141.00	TJN

Sheet Title
STRUCTURAL NOTES and SPECIAL INSPECTION

Sheet No.
1.290

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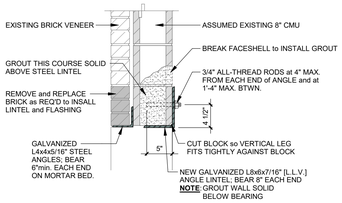
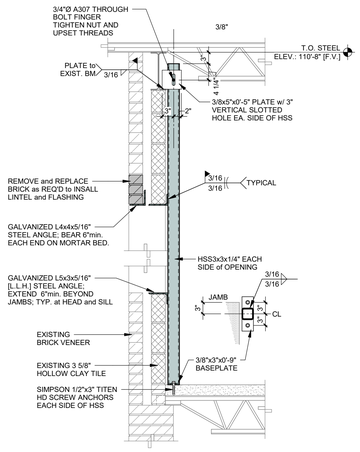


1 DETAIL: LINTEL 'L1'

1" = 1'-0"



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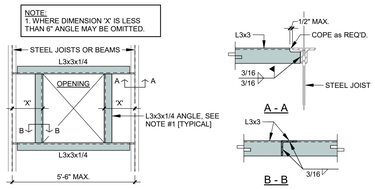
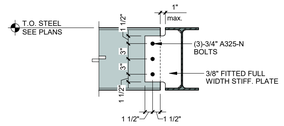


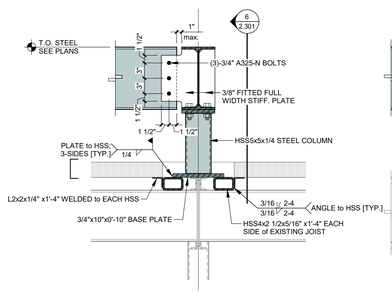
3 ROOF DECK OPENING SUPPORT

1" = 1'-0"



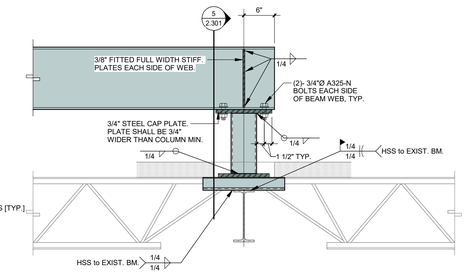
4 STEEL CONNECTION

1" = 1'-0"



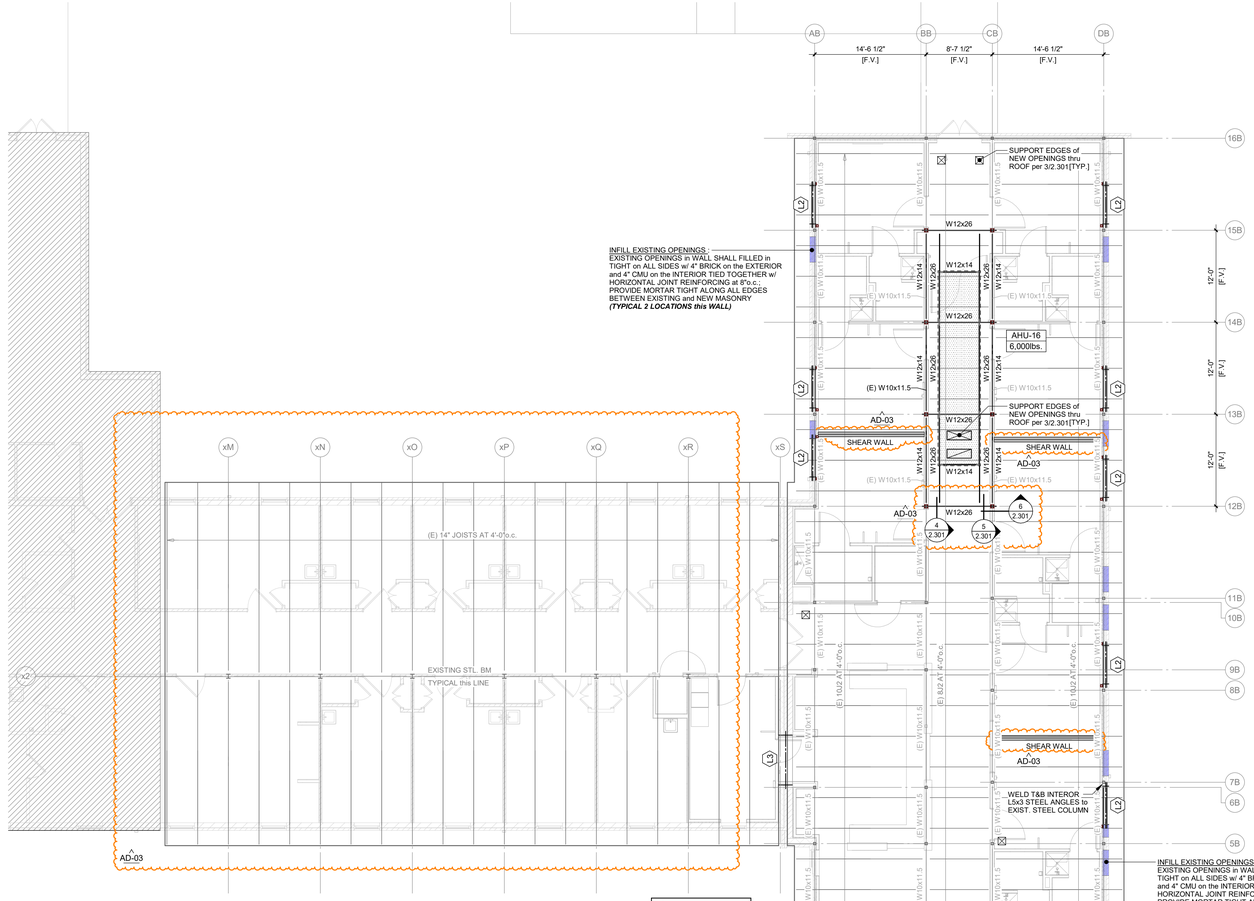
5 STEEL CONNECTION

1" = 1'-0"



6 STEEL CONNECTION

1" = 1'-0"

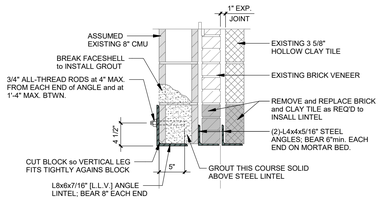


NOTE:
ALL AHU SUPPORT STEEL SHALL BE GALVANIZED

SHEAR WALL CONSTRUCTION: ARCH WALL TYPE 'B3S'
1. DOUBLE WALL CONSTRUCTED w/ 362S162-33 STUDS at 16"o.c. EACH WALL
2. TOP AND BOTTOM TRACKS to be 362T125-33. **[NO DEFLECTION TRACK at TOP]**
3. TOP TRACK to BE ATTACHED to UNDERSIDE of TECTUM ROOF DECK w/ LITE-DECK FASTENERS w/ WASHER.
   a. LENGTH: 2-5/8"
   b. SPACING: 16"o.c.
   c. PRE-DRILL TRACK
   - IF TRACK OCCURS UNDER A JOIST, ATTACH TRACK to JOIST w/ (1)-Hilti 0.157"Ø 'X-U' UNIVERSAL KNURLED SHANK FASTENERS at 16"o.c.
4. BOTTOM TRACK SHALL be CONNECTED to CONCRETE w/ (1)-Hilti 0.157"Ø 'X-U' UNIVERSAL KNURLED SHANK FASTENERS at 16"o.c. [1 1/2" embedment]
5. GYPSUM SHEATHING SHALL BE ATTACHED to STUDS w/ No.: 8 SCREWS at 7/7 SPACING. ALL PANEL EDGES SHALL BE BLOCKED w/ 1-1/2"-33mil FLAT STRAPS

ROOF FRAMING PLAN

1/8" = 1'-0"



9 DETAIL: LINTEL 'L3'

1" = 1'-0"

AD-03

AD-03

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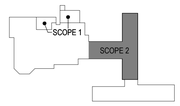
Keyplan

TRUE NORTH
PLAN NORTH



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Sheet Title
SCOPE 2 ROOF FRAMING PLAN

Sheet No.
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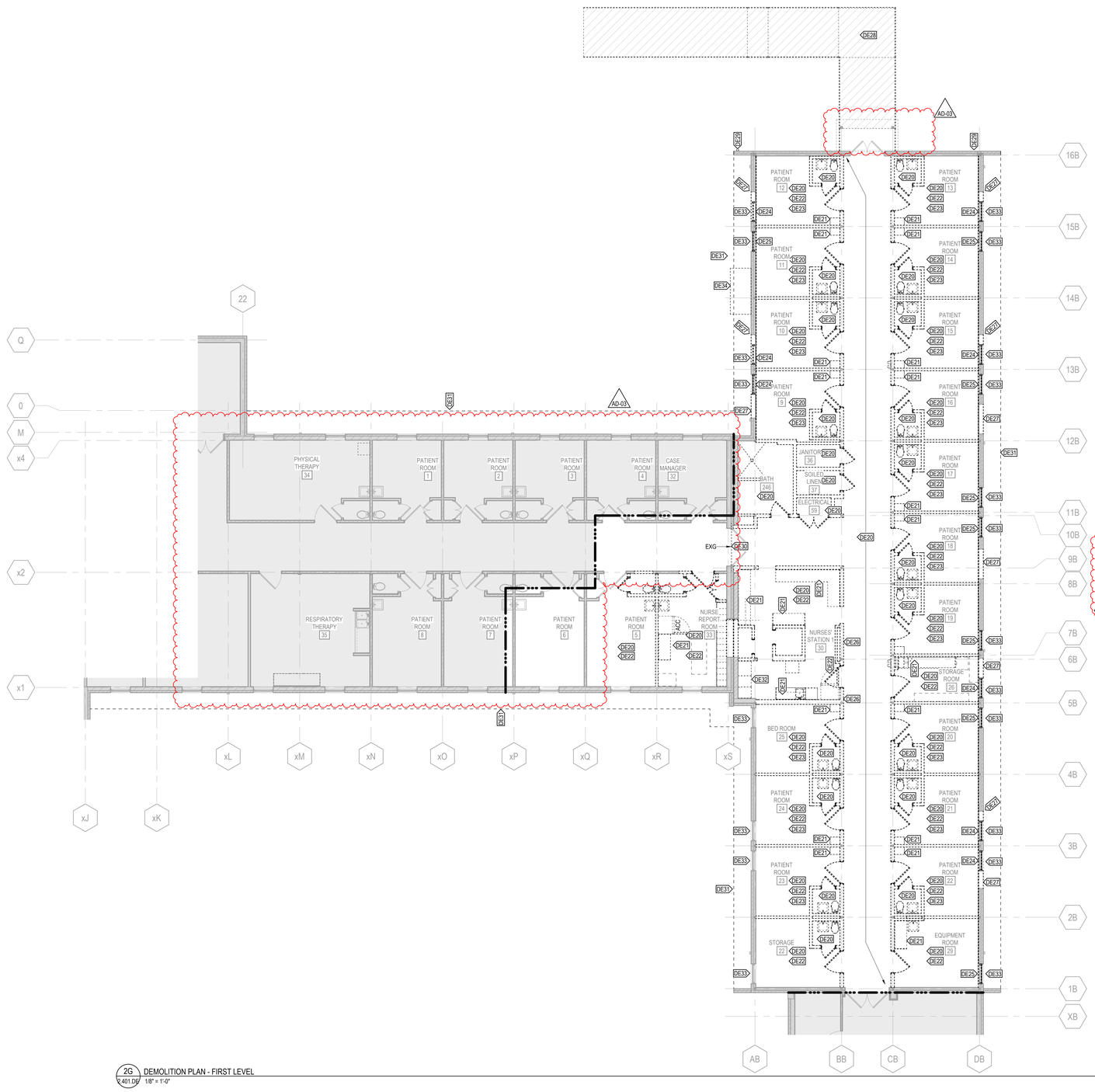

2G / 2.401.DE DEMOLITION PLAN - FIRST LEVEL
1/8" = 1'-0"

SYMBOLS LEGEND - DEMOLITION PLAN
09/15/2023

DE##	KEYNOTE	A NEW GRID	A EXISTING GRID
	PARTITION OR WALL TO REMOVE		
	PARTITION OR WALL TO REMAIN		
	PORTION OF FLOOR SLAB TO BE GROUND SMOOTH		
	DOOR, FRAME, AND HARDWARE TO BE DEMOLISHED, UNO		DOOR, FRAME, AND HARDWARE TO REMAIN
OUTSIDE LIMITS / WITHIN LIMITS	CONSTRUCTION LIMITS		DASHED LINES INDICATE AN ITEM TO BE REMOVED, UNLESS NOTED OTHERWISE

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

GENERAL NOTES - DEMOLITION PLAN
02/22/2024

1. GENERAL CONTRACTOR SHALL COORDINATE DEMOLITION WORK, PHASING, AND SEQUENCING WITH THE OWNER. ANY INFORMATION REGARDING SEQUENCING PROVIDED IN THESE DOCUMENTS IS FOR ARCHITECT/OWNER PLANNING PURPOSES ONLY UNLESS NOTED OTHERWISE.
2. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH TRADES FOR THE DEMOLITION WORK REQUIRED FOR THIS PROJECT.
3. WHERE PARTITIONS ARE INDICATED TO BE REMOVED, REMOVE PARTITION ALONG WITH ITEMS CONTAINED WITHIN, INCLUDING BUT NOT LIMITED TO DOORS, FRAMES, HARDWARE, SIDELIGHTS, WINDOWS, MECHANICAL, AND ELECTRICAL EQUIPMENT, ETC. TO STRUCTURE ABOVE UNLESS NOTED OTHERWISE.
4. WHERE FLOOR FINISH IS INDICATED TO BE DEMOLISHED, REMOVE FINISH AND PREPARE SURFACE FOR SCHEDULED FINISHES UNLESS NOTED OTHERWISE. SEE FINISH PLAN FOR EXISTING FLOOR FINISHES TO REMAIN.
5. WHERE CEILING IS INDICATED TO BE DEMOLISHED REMOVE CEILING ALONG WITH ASSOCIATED MECHANICAL AND ELECTRICAL ITEMS UNLESS NOTED OTHERWISE. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR EXTENT OF CONDUIT, PIPING, AND DUCTWORK DEMOLITION.
6. WHERE INDICATED, REMOVE EXISTING WALL AND PARTITION FINISHES AND PREPARE THE SURFACES FOR FINISHES INDICATED IN THE CONTRACT DOCUMENTS.
7. AREAS DISTURBED/DAMAGED BY DEMOLITION WORK (INCLUDING BUT NOT LIMITED TO: WALLS, PARTITIONS, FLOORS, ETC.) SHALL BE PATCHED TO MATCH ADJACENT AREA.
8. OWNER RESERVES THE RIGHT OF FIRST REFUSAL OF SALVAGED ITEMS INCLUDING BUT NOT LIMITED TO: DOORS, LIGHT FIXTURES, PLUMBING FIXTURES, ETC.
9. SALVAGED ITEMS SCHEDULED FOR REUSE SHALL BE CLEANED, RESTORED, AND/OR REFINISHED TO LIKE NEW CONDITION UNLESS NOTED OTHERWISE.
10. DO NOT REMOVE EXISTING STRUCTURAL SUPPORT MEMBERS INCLUDING BUT NOT LIMITED TO COLUMNS, BEAMS, JOISTS, LOAD-BEARING PARTITIONS, ETC. UNTIL ADEQUATE PERMANENT OR TEMPORARY SUPPORT IS IN PLACE. EXISTING STRUCTURAL MEMBERS SHALL BE ADEQUATELY PROTECTED, COORDINATE WITH STRUCTURAL ENGINEER.
11. SEE STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR RELATED DEMOLITION AND PREP WORK.
12. WALL AND CEILING MOUNTED ITEMS SHOWN DASHED INCLUDING BUT NOT LIMITED TO: WALL CABINETS, SHELVING, CUBICLE CURTAIN TRACKS, PROJECTION SCREENS, ETC. SHALL BE REMOVED, UNLESS NOTED OTHERWISE.

KEYNOTES - DEMOLITION PLAN SCOPE 2

REV	XX##	NOTE: NON SEQUENTIAL KEYNOTES ARE INTENTIONAL. KEYNOTES BELOW DE20 MAY HAVE BEEN USED IN PREVIOUS BID PACKS
	DE20	REMOVE FINISHES THROUGHOUT, INCLUDING CEILINGS, LIGHTING AND PLUMBING FIXTURES. SEE MEP
	DE21	REMOVE CASEWORK
	DE22	SALVAGE FURNITURE AND APPLIANCES, RETURN TO OWNER
	DE23	REMOVE ACT CEILING INCLUDING EXISTING PLASTER CEILING ABOVE AND ALL ASSOCIATED LIGHTING AND DEVICES.
	DE24	REMOVE EXISTING WINDOW, SILL AND BLINDS. REPLACEMENT WINDOW WILL BE WIDER AND TALLER, REQUIRING REMOVALS AT THE SILL AND JAMB. SEE PLANS AND WALL SECTIONS
	DE25	REMOVE EXISTING WINDOW, SILL AND BLINDS. PREP OPENING FOR EXTERIOR WALL INFILL. EXTERIOR BRICK AT THE SILL SHOULD BE TOOTHED TO ACCEPT INFILLED BRICK.
	DE26	REMOVE ELECTRICAL PANELS, SEE ELECTRICAL
	DE27	SAW CUT MASONRY FOR OPENING, SEE STOREFRONT TYPES AND STRUCTURAL
	DE28	REMOVE EXISTING RAMP, STAIRS, GUARDRAILS, AND ASSOCIATED FOUNDATIONS
	DE29	REMOVE EXISTING CONDUIT, SEE ELECTRICAL
	DE30	REMOVE FLOORING AND ASSOCIATED BASE
	DE31	EXISTING OVERHANG OVERHEAD TO REMAIN
	DE32	SALVAGE PYXIS TOWERS AND MEDS FRIDGE, COORDINATE TEMPORARY LOCATION WITH OWNER
	DE33	REMOVE HVAC EXHAUST VENTS, PREP FOR INFILL; CRAWL SPACE VENT TO REMAIN
	DE34	REMOVE EXISTING LEAN-TO STRUCTURE, SEE ELECTRICAL

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REGISTERED ARCHITECT 9/17/2025 SCOTT C KIRCHNER STATE OF MISSISSIPPI

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Keyplan

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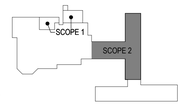
PLAN NORTH



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Sheet Title
DEMOLITION PLAN

Sheet No.
2.401.DE

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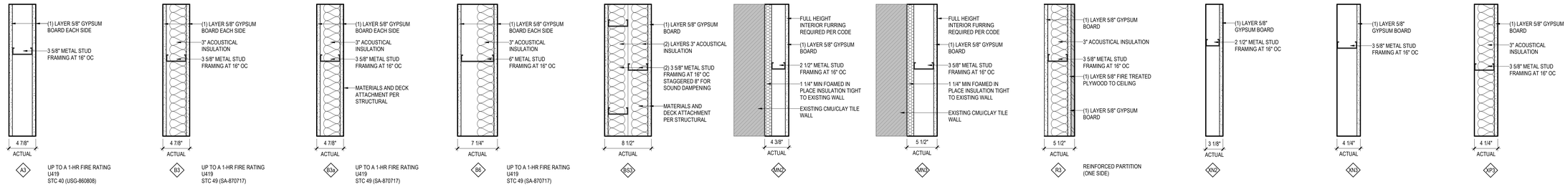
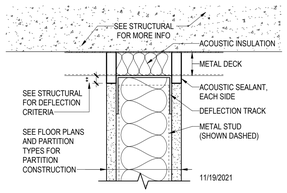
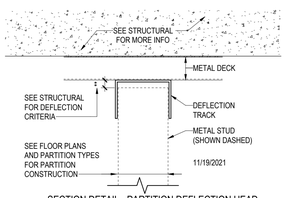


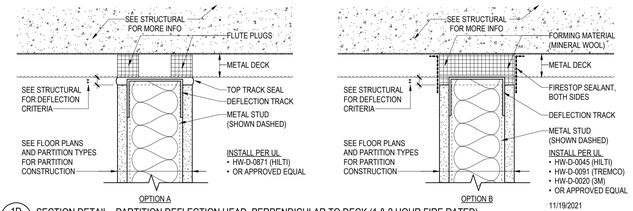
INTERIOR PARTITION TYPES
1 1/2" = 1'-0"



1C 2.401.FL SECTION DETAIL - PARTITION DEFLECTION HEAD, PERPENDICULAR TO DECK (ACOUSTICALLY-INSULATED)
3" = 1'-0"



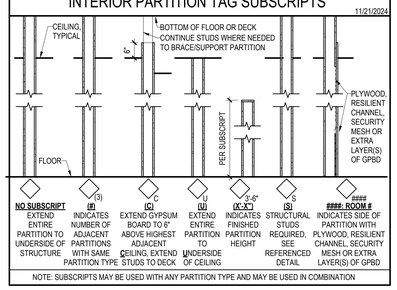
2C 2.401.FL SECTION DETAIL - PARTITION DEFLECTION HEAD, PERPENDICULAR TO DECK (NON-FIRE/NON-ACOUSTIC RATED)
3" = 1'-0"



1D 2.401.FL SECTION DETAIL - PARTITION DEFLECTION HEAD, PERPENDICULAR TO DECK (1 & 2 HOUR FIRE RATED)
3" = 1'-0"

INTERIOR PARTITION TAG SUBSCRIPTS

11/21/2024



NOTE: SUBSCRIPTS MAY BE USED WITH ANY PARTITION TYPE AND MAY BE USED IN COMBINATION

GENERAL NOTES - PARTITIONS

04/25/2024

1. PARTITIONS TO BE TYPE B3 UNLESS NOTED OTHERWISE.

2. FURRING TO BE PARTITION TYPE XN2 UNLESS NOTED OTHERWISE.

3. FOR REMODELING/RENOVATION PROJECTS, PARTITION INFILLS WITHIN, OR EXTENSIONS ONTO EXISTING PARTITIONS, ARE NOTED AS SUCH FOR INTENT ONLY. EXPOSED PARTITION FACES ARE TO ALIGN.

4. FOR PARTITION HEIGHTS, SEE INTERIOR PARTITION TAG SUBSCRIPT KEY.

5. DIMENSIONS TO STUD PARTITION ARE MEASURED TO FINISH FACE OF PARTITION, UNLESS NOTED OTHERWISE.

6. THE DIMENSION SHOWING THE LOCATION OF A DOOR FRAME IN GYPSUM BOARD WALLS IS TO THE INSIDE OF THE DOOR FRAME (DOOR OPENING). PROVIDE 4" TYPICAL DIMENSION IF NO DIMENSION IS SHOWN.

7. PROVIDE DEFLECTION SPACE AT THE TOP OF STUDS AT PARTITIONS EXTENDING TO STRUCTURE, UNLESS NOTED OTHERWISE. VERIFY DEFLECTION AMOUNT WITH STRUCTURAL.

8. WHEN GYPSUM BOARD PARTITIONS ARE LOCATED BELOW STRUCTURE THAT HAS A VERTICAL DEFLECTION MOVEMENT MORE THAN 1/2", PROVIDE PARTITION HEADS WITH VERTICAL MOVEMENT CAPABILITY TO MATCH THAT DEGREE OF MOVEMENT . MAINTAIN THE REQUIRED FIRE RATING OF FIRE RATED PARTITIONS FROM FLOOR TO STRUCTURE ABOVE WITH FIRE TESTED HEAD CONSTRUCTION.

9. WHEN PARTITION FRAMING RUNS HIGHER THAN 12'-0" ABOVE FINISH FLOOR, BRACE PARTITION BACK TO STRUCTURE ABOVE WITH METAL STUDS EVERY 4'-0" ON CENTER MINIMUM.

10. BULKHEAD FRAMING SHALL EXTEND TO UNDERSIDE OF STRUCTURE WITH DIAGONAL STUD FRAMING BRACES AT 4'-0" ON CENTER (2 BRACES MINIMUM) WITH GYPSUM BOARD EXTENDING 6" ABOVE CEILING MINIMUM, UNLESS NOTED OTHERWISE.

11. FOR PARTITION TYPES WITH GYPSUM BOARD ON ONE SIDE ONLY, INSTALL GYPSUM BOARD ON ROOM SIDE UNLESS NOTED OR DETAILED OTHERWISE.

12. GENERAL CONTRACTOR SHALL PROVIDE AND COORDINATE IN-WALL BLOCKING FOR WALL MOUNTED CASEWORK AND EQUIPMENT SUPPLIED BY THIS CONTRACT, OWNER FURNISHED, OR BY VENDORS. INCLUDING BUT NOT LIMITED TO WALL MOUNTED EQUIPMENT, CASEWORK, DOORSTOPS, ACCESSORIES, ETC., UNLESS NOTED OTHERWISE.

13. SEE CODE PLANS FOR REQUIRED PARTITION FIRE RATINGS.

14. GYPSUM BOARD AND METAL STUDS USED IN FIRE RATED SEPARATION PARTITIONS SHALL EXTEND FROM FLOOR TO UNDERSIDE OF STRUCTURE, UNLESS NOTED OTHERWISE.

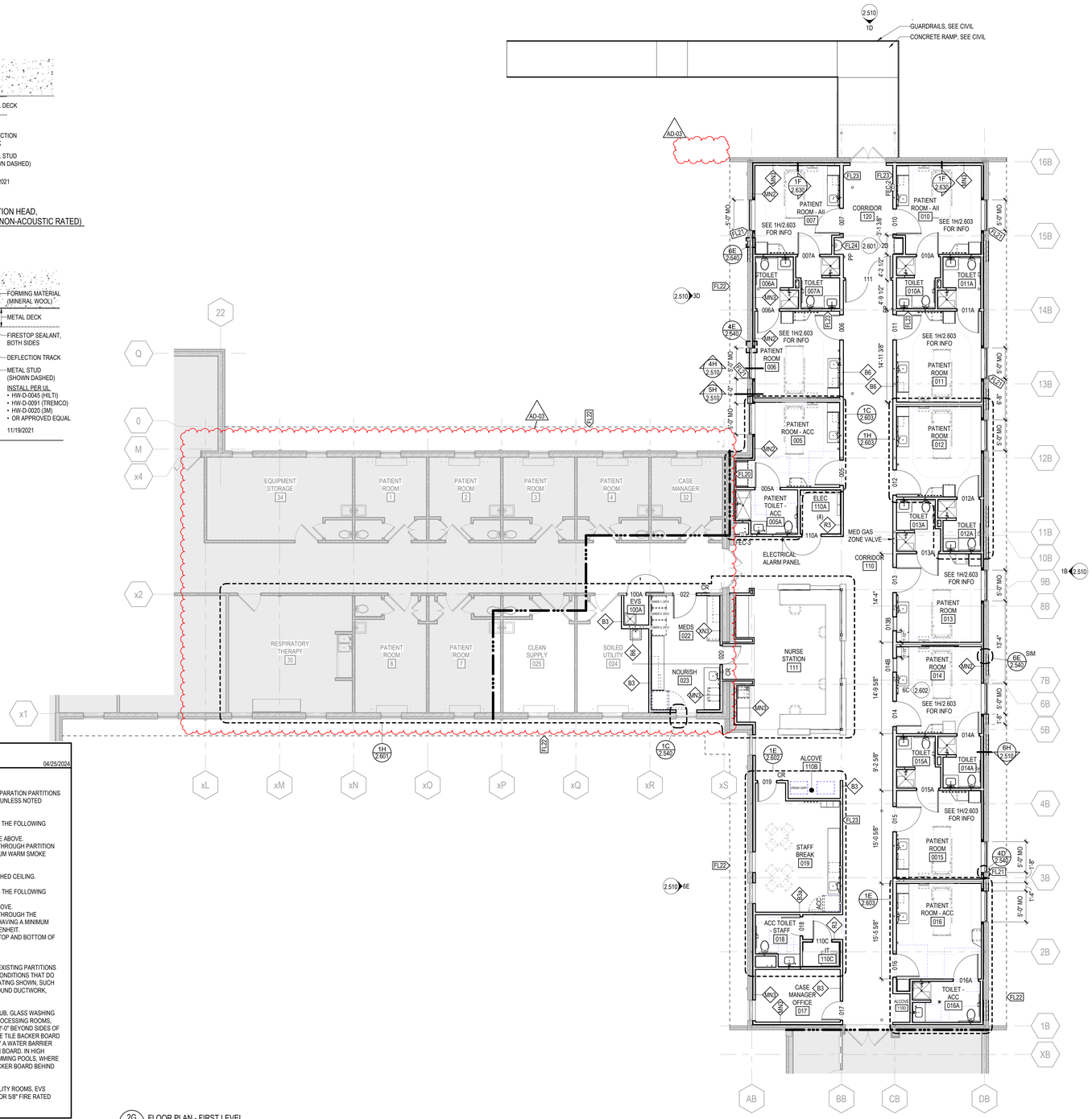
15. WHERE SMOKE PARTITIONS ARE REQUIRED BY CODE PLANS THE FOLLOWING APPLIES TO NON-ACOUSTICAL TYPE SMOKE PARTITIONS:
• SEAL TOP AND BOTTOM OF PARTITION AND PENETRATIONS THROUGH PARTITION ON CORRIDOR SIDE WITH A SMOKE SEALANT HAVING A MINIMUM WARM SMOKE TEMPERATURE OF 400 DEGREES FAHRENHEIT.
• SEALS MUST HAVE PRE-APPROVAL OF CODE OFFICIAL.
• ROOM SIDE GYPSUM BOARD CAN EXTEND TO 6" ABOVE FINISHED CEILING.

16. WHERE SMOKE PARTITIONS ARE REQUIRED BY CODE PLANS THE FOLLOWING APPLIES TO ACOUSTICAL TYPE SMOKE PARTITIONS:
• EXTEND GYPSUM BOARD ON BOTH SIDES TO STRUCTURE ABOVE.
• SEAL TOP AND BOTTOM OF PARTITION AND PENETRATIONS THROUGH THE PARTITION ON THE CORRIDOR SIDE WITH A SMOKE SEALANT HAVING A MINIMUM WARM SMOKE TEMPERATURE RATING OF 400 DEGREES FAHRENHEIT.
• PROVIDE REQUIRED ACOUSTIC SEALANT ON ROOM SIDE AT TOP AND BOTTOM OF PARTITION AND PENETRATIONS THROUGH PARTITION.
• SEALS MUST HAVE PRE-APPROVAL OF CODE OFFICIAL.

17. CONTRACTORS TO VERIFY CONDITIONS ABOVE CEILING AT EXISTING PARTITIONS IDENTIFIED WITH FIRE/SMOKE PARTITION SYMBOLS. REPAIR CONDITIONS THAT DO NOT MEET REQUIREMENTS OF THE INDICATED FIRE/SMOKE RATING SHOWN, SUCH AS BUT NOT LIMITED TO, OPENINGS IN PARTITIONS, GAPS AROUND DUCTWORK, PIPES AND CONDUIT, MISSING SMOKE DAMPERS, ETC.

18. IN WET AREAS INCLUDING, BUT NOT LIMITED TO, SHOWER, TUB, GLASS WASHING ROOMS, SOILED UTILITY ROOMS, JANITOR CLOSETS, FOOD PROCESSING ROOMS, ETC., USE TILE BACKER BOARD BEHIND TILE AND EXTEND TO 2'-0" BEYOND SIDES OF THE PLUMBING FIXTURE. IN DOUBLE LAYER WALLS WHERE THE TILE BACKER BOARD IS INSTALLED OVER A BASE LAYER OF GYPSUM BOARD, APPLY A WATER BARRIER NOT A VAPOR RETARDER, OVER THE BASE LAYER OF GYPSUM BOARD. IN HIGH HUMIDITY AREAS SUCH AS SAUNAS, STEAM ROOMS, AND SWIMMING POOLS, WHERE WALLS ARE EXPOSED TO CONSTANT MOISTURE, USE TILE BACKER BOARD BEHIND TILE.

19. IN WET AREAS INCLUDING, BUT NOT LIMITED TO, SOILED UTILITY ROOMS, EVS CLOSETS, ETC., USE 5/8" WATER-RESISTANT GYPSUM BOARD OR 5/8" FIRE RATED WATER RESISTANT GYPSUM BOARD.



2G 2.401.FL FLOOR PLAN - FIRST LEVEL
1/8" = 1'-0"

SYMBOLS LEGEND - FLOOR PLAN

12/08/2023

	WALL/PARTITION		WORKING POINT
	EXISTING WALL/PARTITION TO REMAIN	1A 500	WALL SECTION
101A	DOOR	1A 500	BUILDING SECTION
	EXISTING DOOR AND FRAME TO REMAIN	1A 605 2A	INTERIOR ELEVATION
101B	INTERIOR BORROWED LIGHT	1A 510	EXTERIOR ELEVATION
8'-0"	DIMENSION	1A 620	PLAN DETAIL OR ENLARGED FLOOR PLAN
A3 C	WALL/PARTITION TAG AND SUBSCRIPT		
OFFICE 101	ROOM NAME AND NUMBER	FL##	KEYNOTE
	CUBICLE CURTAIN TRACK		GROMMET
	REVISION CLOUD	PR-01	REVISION TAG
℄	CENTERLINE	A	A
CR (4000)	CARD READER (OPENING #)	NEW GRID	EXISTING GRID
PP (4000)	PUSH PLATE/ ACTUATOR (OPENING #)		
OUTSIDE LIMITS / WITHIN LIMITS	CONSTRUCTION LIMITS		

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

KEYNOTES - FLOOR PLAN

REV	XXHH	NOTE: NON SEQUENTIAL KEYNOTES ARE INTENTIONAL KEYNOTES BELOW FL20 MAY HAVE BEEN USED IN PREVIOUS BID PACKS
	FL20	INSTALL WALL/PARTITION AS TIGHT TO STRUCTURE AS POSSIBLE
	FL21	HOLD ROUGH OPENING OF STOREFRONT SYSTEM AT DEMOLISHED OPENING JAMB SIDE INDICATED
	FL22	DASHED REPRESENTS EXISTING OVERHANG TO REMAIN
	FL23	CENTER PARTITION ON GRID / EXISTING COLUMN LINE
	FL24	INFECTIOUS SINK MOUNTED AT 2'-10", SEE MEP

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REGISTERED ARCHITECT 9/17/2025 SCOTT C KIRCHNER STATE OF MISSISSIPPI

Issued For

Item	Date
CD ISSUE	09/17/2025
AD-03	02/03/2026

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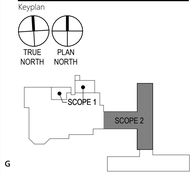
Keyplan



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Sheet Title
FLOOR PLAN AND PARTITION TYPES

Sheet No.
2.401.FL

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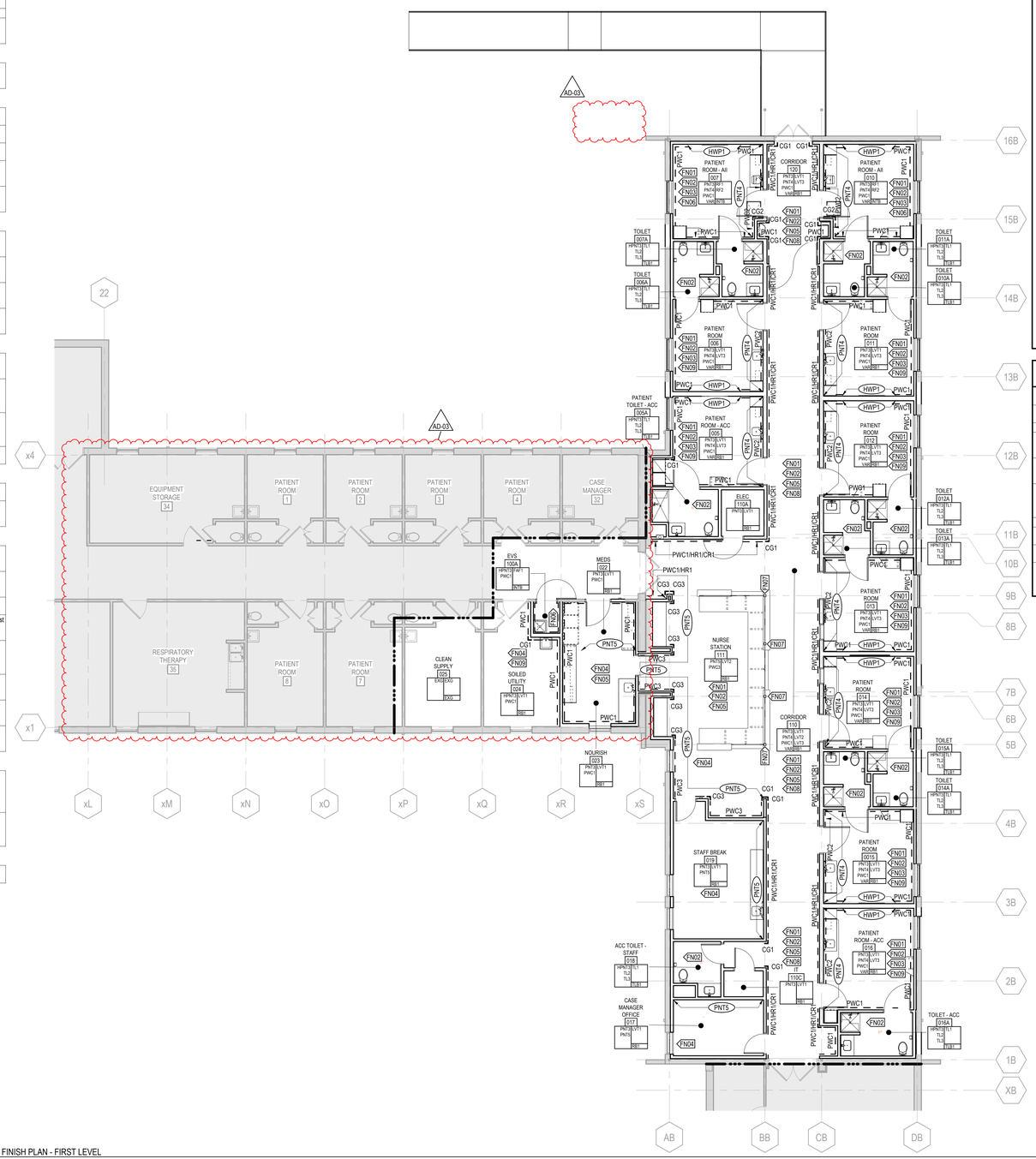
INTERIOR FINISH SCHEDULE

Rev	Code	Section	Manufacturer	Style / Pattern	Color	Size	Notes	Location	Sustainability: Low or No VOCs	EPD Available	HPD or Declare Label Available	Red List Free or Living Building Challenge Compliant	Recycled Content
ACOUSTICAL CEILINGS													
	ACT1	09-5100	Armstrong Ceilings	Ultima Health Zone, Square Lay-in, 1938	White	24" x 48" x 3/4"	Grid: 15/16" Prelude, White, Square Lay-in	BP-01	Indoor Advantage Gold	X	X - Declare	X - Red List Free	>50%
	ACT2	09-5100	Armstrong Ceilings	Ultima Health Zone, Square Lay-in, 1935	White	24" x 24" x 3/4"	Grid: 15/16" Prelude, White, Square Lay-in	BP-02	Indoor Advantage Gold	X	X - Declare	X - Red List Free	>50%
	TS3	09-5100	Armstrong Ceiling	Axiom Classic - Curved Perimeter Trim	White (WH)	3/4" x 3-7/8"	--	Ceiling Trim - Nurse Station	Indoor Advantage Gold	X	X - Both	X - Red List Free	--
CUBICLE AND SHOWER CURTAINS													
	SC1	10-2800	Inpro	Super Bio Stat Vinyl Privacy Curtain	Veranda	--	--	Patient Showers	Greenguard Gold	--	--	--	--
FLUID APPLIED FLOORING													
	FAF1	09-6500	Sherwin Williams	Poly-Crete MDB	Dark Grey	--		EVS	Low via CDPH Method	X	X - HPD	--	--
HYGIENIC WALL PROTECTION													
	HWP1	09-7216	Altro	Tegulis Hygenic Wall Panels	Warm Woodgrain 9904	48" W, 2.5mm thickness	Custom routed pattern, Class A fire rating	Headwalls	Low via California 01350	--	--	--	--
PAINT													
	PNT1/HPNT1	09-9100	Sherwin Williams	--	Extra White SW 7006	--		Emergency Electrical Room, Ceilings	--	--	--	--	--
	PNT2/HPNT2	09-9100	Sherwin Williams	--	Colonnade Gray SW 7641	--	--	Door Frames	--	--	--	--	--
	PNT3/HPNT3	09-9100	Sherwin Williams	--	Greek Villa SW7551	--	--	Field	--	--	--	--	--
	PNT4/HPNT4	09-9100	Sherwin Williams	--	Delft SW 9134	--	--	Accent - Blue	--	--	--	--	--
	PNT5/HPNT5	09-9100	Sherwin Williams	--	Contented SW 6191	--	--	Accent - Green	--	--	--	--	--
	PNT6/HPNT6	09-9100	Sherwin Williams	--	Color to be coordinated with Architect and Owner	--	--	Exterior	--	--	--	--	--
RESILIENT BASE													
	RB1	09-6500	Tarkett/ Johnsonite	Baseworks Thermoset Rubber (Type TS)	Cement 121	4" High	Coved	Field	Low via Floorscore Certified	X	--	--	--
RESILIENT FLOORING													
	LVT1	09-6500	Mohawk	Chromascope 5.0 C2114	Buff Ivory 120	18" x 36", 5mm thick	Install: Brick Ashlar	Field	FloorScore	X	--	--	--
	LVT2	09-6500	Mohawk	Chromascope 5.0 C2114	Cozy Linen 250	18" x 36", 5mm thick	Install: Brick Ashlar	Accent - Gray	FloorScore	X	--	--	--
	LVT3	09-6500	Mohawk	Chromascope 5.0 C2114	Tranquil Teal 672	18" x 36", 5mm thick	Install: Brick Ashlar	Accent - Blue	FloorScore	X	--	--	--
	RF1	09-6500	Mohawk	Medella Hues C2062	Dust Gray Mid H5308	6'-7" W Roll	Heat Seld Seam with Coordinating Weld Rods	All Patient Room Field & Soiled	FloorScore	X	X - HPD	--	--
	RF2	09-6500	Mohawk	Medella Hues C2062	Lagoon H5433	6'-7" W Roll	Heat Seld Seam with Coordinating Weld Rods	All Patient Room Accent	FloorScore	X	X - Both	X - Red List Free	--
SURFACING MATERIALS													
	PLAM1	06-4100	Formica	High Pressure Laminate	Natural Refined Hickory 9041, Finish: Matte 58	--	--	Field Casework	Low via GreenGuard Gold	X	X - Both	LBC Red List Approved	--
	SSM1	12-3600	Wilsonart	Solid Surface	Yukon Riverstone, Finish: Matte	--	--	Field Countertops & Nurse Station	Low via GreenGuard Gold	--	X - Both	LBC Red List Free	--
	SSM2	12-3600	Wilsonart	Solid Surface	Designer White D354SL, Finish: Matte	--	--	Integral Sinks & Window Stools	Low via GreenGuard Gold	--	X - Both	LBC Red List Free	--
	SSM3	12-3600	Wilsonart	Solid Surface	Masoned Concrete 9252SS, Finish: Matte	--	--	Nurse Station Accent	Low via GreenGuard Gold	--	X - Both	LBC Red List Free	--
TILING													
	TL1	09-3000	Virginia Tile	Shades 2.0	Clay, Matte Rectified	2" x 2" Mosaic	Epoxy Grout: Mapei, Color: Sahara Beige 5011	Floor Tile at Shower Rooms	Inherently Non-Emitting	X	X - Both	LBC Red List Free	--
	TL2	09-3000	Virginia Tile	Shades 2.0	Foam SHD51, Finish: SPO/Semi Polished	6" x 24"	Expoxy Grout: Mapei, Color: Biscuit 5014. Install: Vertical Stack Bond	Wall Tile	Inherently Non-Emitting	X	X - Both	LBC Red List Free	--
	TL3	09-3000	Virginia Tile	Shades 2.0	Whites SHD3	1" x 3" Mosaic	Epoxy Grout: Mapei, Color: Biscuit 5014. Install: Vertical Stack Bond	Accent Tile	Inherently Non-Emitting	X	X - Both	LBC Red List Free	--
	TLB1	09-3000	Virginia Tile	Shades 2.0	Clay SHD45, Finish: UPS/Matte	6" x 12"	Grout: Mapei, Color: Biscuit 5014	Field Tile Base - Toilet Room	Inherently Non-Emitting	X	X - Both	LBC Red List Free	--
TRANSITIONS													
	TS1	09-3000	Schluter Systems	Schluter-SCHIENE	Satin Anodized Aluminum (AT)	Contractor to Confirm	--	LVT and RF / TL	Inherently Non-Emitting	--	--	--	--
	TS2	09-3000	Schluter Systems	Schluter-JOLLY	Satin Anodized Aluminum (AT)	Contractor to Confirm	--	TL Outside Corners and Exposed Edge	Inherently Non-Emitting	--	--	--	--
WALL PROTECTION													
	CG1	10-2600	In Pro	160 High Impact Corner Guard	Feather 0238	2" Wing, Full Height		Field	Low via GreenGuard Gold	X	X - HPD	--	48% Pre
	CG2	10-2600	In Pro	160 High Impact Corner Guard	Deco Blue 0391	2" Wing, Full Height	PNT4 Coordinating	Accent Walls	Low via GreenGuard Gold	X	X - HPD	--	48% Pre
	CG3	10-2600	In Pro	160 High Impact Corner Guard	Seagrass 0230	2" Wing, Full Height	PNT5 Coordinating	Accent Walls					
	CR1	10-2600	In Pro	G2-1600	Taupe 0113	6" H		Field	Low via GreenGuard Gold	X	X - HPD	--	20% Pre, 17% Post
	HR1	10-2600	In Pro	3130VV Handrail	Taupe 0113	5-3/4"H, 1-1/2" X 1-1/16" OVAL GRIP DIAMETER		Field	Low via GreenGuard Gold	X	X - HPD	--	--
	PWC1	10-2600	In Pro	Palladium Rigid Sheet	Feather 0238	4' X 8', .040" Thick		Field	Low via GreenGuard Gold	X	X - HPD	--	--
	PWC2	10-2600	In Pro	Palladium Rigid Sheet	Deco Blue 0391	4' X 8', .040" Thick	PNT4 Coordinating	Accent - Blue	Low via GreenGuard Gold	X	X - HPD	--	--
	PWC3	10-2600	In Pro	Palladium Rigid Sheet	Seagrass 0230	4' X 8', .040" Thick	PNT5 Coordinating	Accent - Green	Low via GreenGuard Gold	X	X - HPD	--	--
WINDOW TREATMENTS													
	WT1	12-2400	MechoShade	Manual - Dual Shade; EcoVeil Series 1550 & Chelsea Blackout 0250	Eggshell 1566 & Napa 0258	Full Width & Length of Indicated Windows	Fascia Color: Clear Anodized	Patient Rooms	Low via GreenGuard Gold	X	X - Both	LBC Red List Free	--
	WT2	12-2400	MechoShade	Manual - EcoVeil Series 1550	Eggshell 1566	Full Width & Length of Indicated Windows	Fascia Color: Clear Anodized	Offices	Low via GreenGuard Gold	X	X - Both	LBC Red List Free	--
WOODS													
	WD1	06-4100	--	Rift Cut White Oak	Stained to Match PLAM1	--	--	Doors	--	--	--	--	--



3H FINISH PLAN - FIRST LEVEL
2.401.FN 1/8" = 1'-0"

SYMBOLS LEGEND - FINISH PLAN

11/16/2020

ROOM NAME ROOM NUMBER FLOOR FINISH(ES) BASE FINISH WALL FINISH(ES)		CPT → VCT	MATERIAL CHANGE LOCATION
			MATERIAL INSTALL DIRECTION
	WALL PROTECTION	PNT	ACCENT WALL FINISH
CG	CORNER GUARD	FN##	KEYNOTE
OUTSIDE LIMITS WITHIN LIMITS	CONSTRUCTION LIMITS	ZONE 1 ZONE 2	MATCH LINE

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

GENERAL NOTES - FINISH PLAN

07/21/2023

1. WHEN MORE THAN ONE FINISH IS LISTED IN A ROOM, THE FIRST FINISH LISTED IS THE PRIMARY FINISH AND SHALL BE APPLIED TO SURFACES NOT SPECIFICALLY CALLED OUT. OTHER FINISHES LISTED ARE SPECIFICALLY CALLED OUT OR ARE SHOWN IN ELEVATIONS.
2. LOUVERS, VENTS, GRILLES, AND OTHER MISCELLANEOUS MECHANICAL AND ELECTRICAL DEVICES SHALL BE PAINTED TO MATCH SURFACE WHICH THEY APPEAR, UNLESS OTHERWISE NOTED.
3. HOLLOW METAL FRAMES TO BE PAINTED HPNT2, EXCEPT WHERE NOTED OTHERWISE.
4. REFER TO ELEVATION/DETAILS FOR ADDITIONAL CASEWORK AND FINISH NOTES.
5. EXISTING WALLS/PARTITIONS TO RECEIVE FINISHES INDICATED ON FINISH SCHEDULE AND FINISH PLANS SHALL HAVE EXISTING FINISHES REMOVED AND SURFACES PREPARED TO RECEIVE FINISHES.
6. CORNER GUARDS TO BE FULL HEIGHT FROM TOP OF BASE TO UNDERSIDE OF CEILING/SOFFIT UNLESS NOTED OTHERWISE.
7. NO RESILIENT BASE AT MASONRY WALLS, TYPICAL.
8. NO RESILIENT BASE AT STONE WALLS, TYPICAL.
9. WALL PROTECTION HANDRAILS TO BE INSTALLED WITH TOP AT 34" AFF UNLESS NOTED OTHERWISE.
10. CRASH RAILS TO BE INSTALLED WITH BOTTEM EDGE DIRECTLY ABOVE BASE.
11. WALL PROTECTION HANDRAILS TO TERMINATE 4 " FROM INTERRUPTIONS, FIRE CABINETS, EXTINGUISHERS, ETC. TERMINATE HANDRAILS 4 " FROM EDGE OF DOOR SWING. NO HANDRAILS TO BE LOCATED BEHIND DOOR SWINGS OR WITHIN 24 " OF STANDPIPE CABINET.
12. INSTALL WOOD, PLAM AND GRAPHIC FILM WITH GRAIN VERTICAL, UNLESS NOTED OTHERWISE.
13. INTERIOR FACE OF EXTERIOR WALLS TO RECEIVE PAINT UNLESS NOTED OTHERWISE.
14. METAL CLIP ANGLES, SUPPORT CLEATS AND COUNTERTOP BRACKETS VISIBLE TO VIEW SHALL BE PAINTED TO MATCH THE WALL/PARTITION ON WHICH THEY APPEAR.
15. VERTICAL FACE OF SOFFITS THAT ALIGN WITH ADJACENT PARTITION/WALL TO RECEIVE ADJACENT PARTITION/WALL FINISH UNLESS NOTED OTHERWISE.
16. METAL ENCLOSURES FOR FINNED TUBE AND CABINET UNIT HEATERS TO RECEIVE PREFINISHED, CUSTOM COLOR TO MATCH ADJACENT SURFACE UNLESS NOTED OTHERWISE.
17. INTEGRAL BASE HEIGHT TO BE 4" AFF.
18. WINDOW STOOLS TO BE SSM2.
19. SHOWER CURTAIN TO BE PROVIDED AT EACH SHOWER LOCATION.

KEYNOTES - FINISH PLAN SCOPE 2

REV	XX##	NOTE: NOT ALL KEYNOTES MAY BE USED ON EACH DRAWING
	FN01	FLOOR FINISHES VARY. SEE FLOOR PATTERN PLAN FOR ADDITIONAL INFORMATION.
	FN02	WALL FINISHES VARY, SEE ELEVATIONS FOR ADDITIONAL INFORMATION
	FN03	WINDOW TREATMENT, WT1, FULL HEIGHT AND WIDTH ON EXTERIOR WINDOWS LOCATED WITHIN THE ROOM. REFER TO CEILING SECTION DETAILS FOR INSTALLATION TYPE.
	FN04	WINDOW TREATMENT, WT2, FULL HEIGHT AND WIDTH ON EXTERIOR WINDOWS LOCATED WITHIN THE ROOM. REFER TO CEILING SECTION DETAILS FOR INSTALLATION TYPE.
	FN05	PWC ON INDICATED WALLS FROM 3" AFF UP TO 4'-3" AFF WITH SCHEDULED WALL FINISH ABOVE, FEATHER WALL FROM FLOOR UP TO 3" AFF TO PROVIDE A SMOOTH FLAT SURFACE FOR SCHEDULED BASE INSTALLATION, INSTALL BASE OVER PWC
	FN06	PWC FROM ABOVE SCHEDULED BASE UP TO 5'-4" AFF
	FN07	METAL COLUMN COVER ABOVE DESK, REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION
	FN08	PNT4 ACCENT AT PATIENT ROOM ENTRIES, REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION
	FN09	PWC ON INDICATED WALLS FROM 3" AFF UP TO 5'-3" AFF WITH SCHEDULED WALL FINISH ABOVE, FEATHER WALL FROM FLOOR UP TO 3" AFF TO PROVIDE A SMOOTH FLAT SURFACE FOR SCHEDULED BASE INSTALLATION, INSTALL BASE OVER PWC

Southwest Mississippi Regional Medical Center
Southwest Health

LAWRENCE COUNTY HOSPITAL

INFRASTRUCTURE UPGRADES AND INPATIENT REMODEL

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Keyplan

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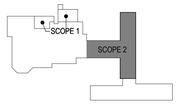

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FINISH PLAN AND FINISH SCHEDULE

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SYMBOLS LEGEND - FINISH PLAN

11/16/2020

ROOM NAME ROOM NUMBER FLOOR FINISH(ES) BASE FINISH WALL FINISH(ES)		CPT VCT	MATERIAL CHANGE LOCATION
			MATERIAL INSTALL DIRECTION
	WALL PROTECTION	PNT	ACCENT WALL FINISH
CG	CORNER GUARD	FN##	KEYNOTE
OUTSIDE LIMITS WITHIN LIMITS	CONSTRUCTION LIMITS	ZONE 1 ZONE 2	MATCH LINE

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN.

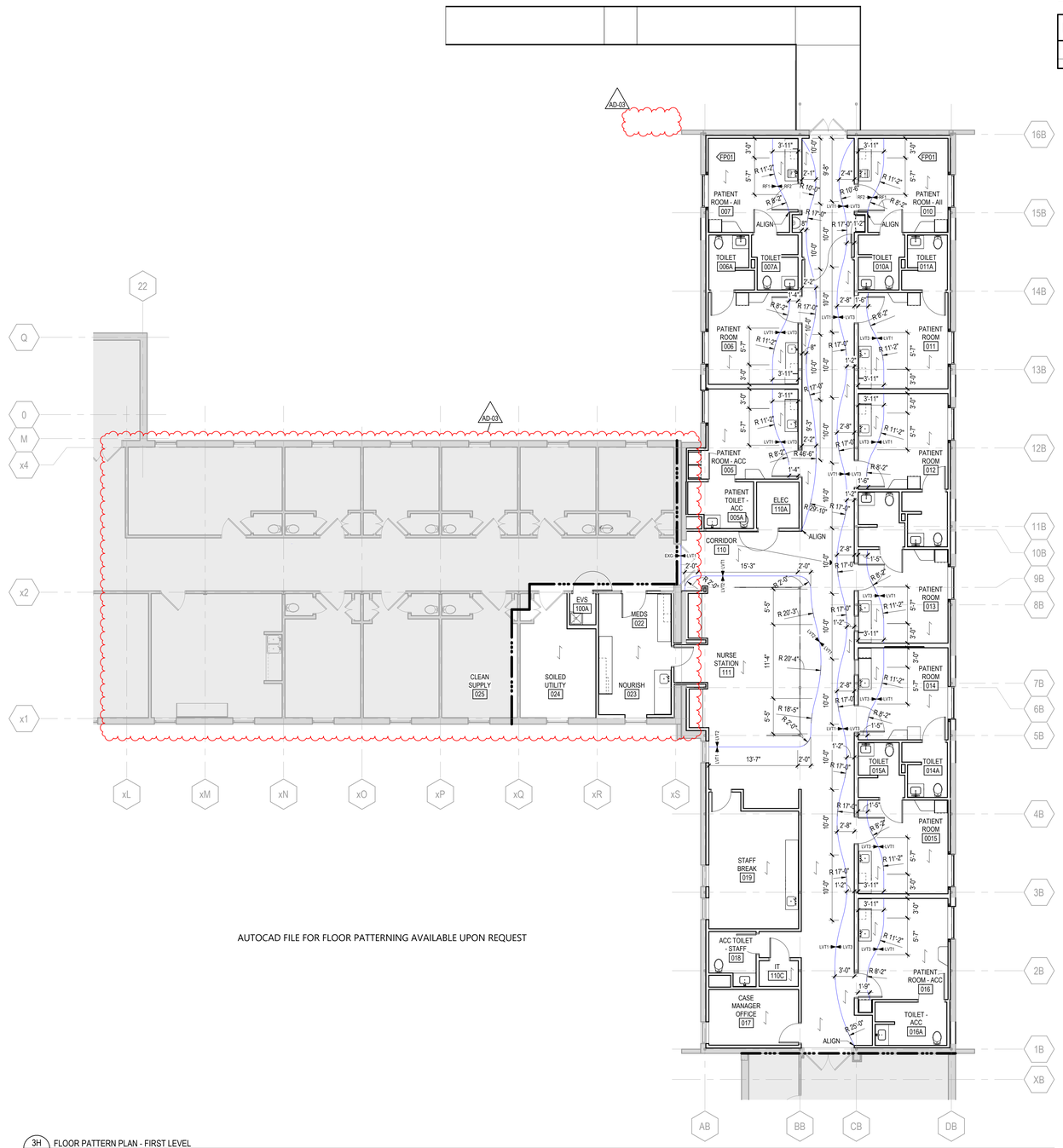
GENERAL NOTES - FLOOR PATTERN

06/17/2017

1. PROVIDE SMOOTH, FLAT JOINTS AT TRANSITIONS BETWEEN FLOORING MATERIALS.
2. CURVED FLOORING PATTERNS TO BE SMOOTH AND CONTINUOUS UNLESS NOTED OR SHOWN OTHERWISE.
3. FLOOR FINISHES SHALL CHANGE AT CENTERLINE OF DOOR UNLESS NOTED OTHERWISE.
4. REFER TO INTERIOR FINISH SCHEDULE FOR TRANSITION THRESHOLD INFORMATION.

KEYNOTES - FLOOR PATTERN PLAN SCOPE 2

REV	XX##	NOTE: NOT ALL KEYNOTES MAY BE USED ON EACH DRAWING
	FP01	HEAT WELD SEAMS



AUTOCAD FILE FOR FLOOR PATTERNING AVAILABLE UPON REQUEST

3H FLOOR PATTERN PLAN - FIRST LEVEL
2.401.FP 1/8" = 1'-0"

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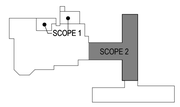

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FLOOR PATTERN PLAN

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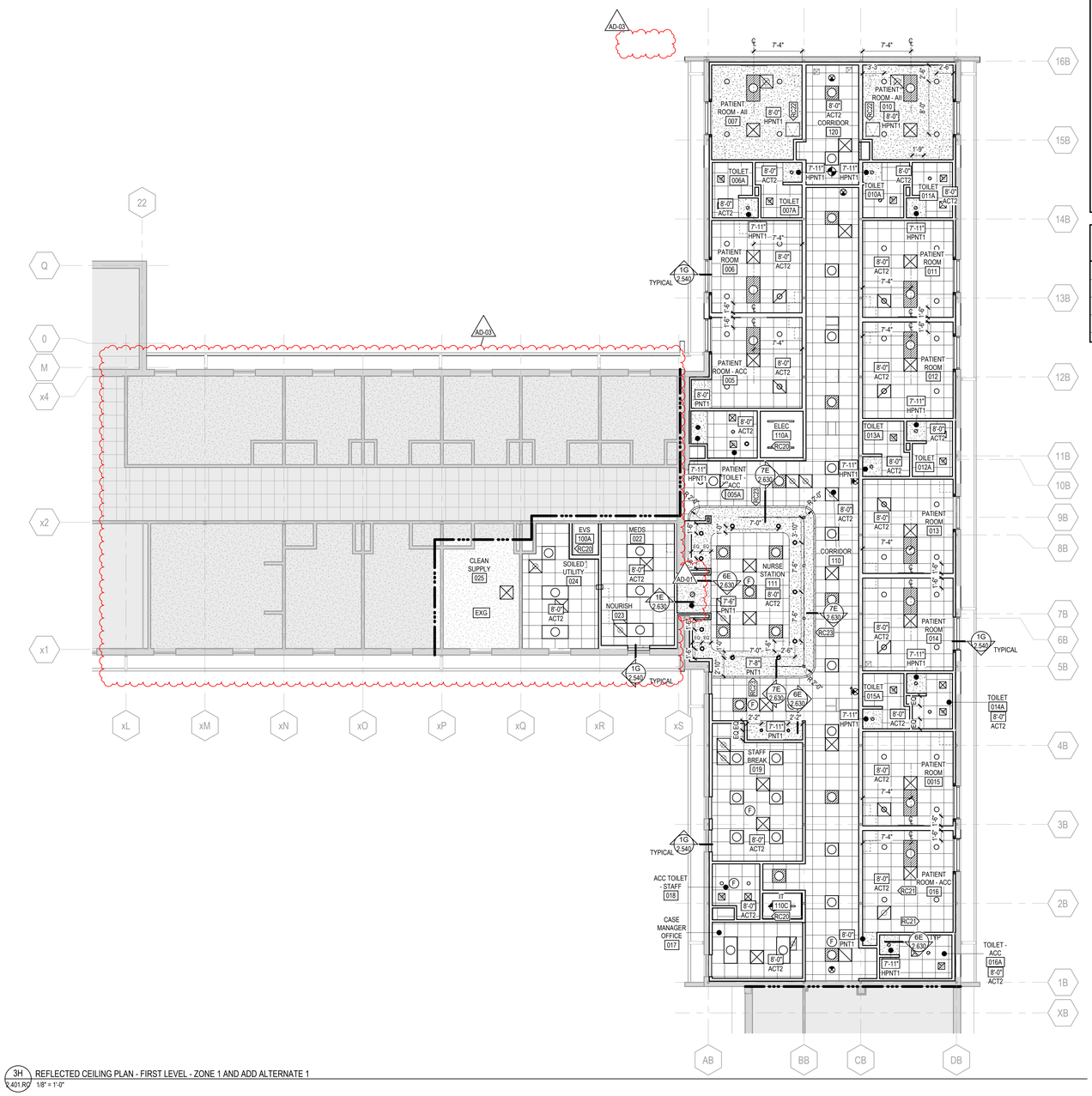

3H REFLECTED CEILING PLAN - FIRST LEVEL - ZONE 1 AND ADD ALTERNATE 1
2.401.RC 1/8" = 1'-0"

SYMBOLS LEGEND-REFLECTED CEILING PLAN

11/18/2021

	GYPSUM BOARD CEILING OR SOFFIT		MECHANICAL EXHAUST GRILLE
	EXISTING GYPSUM BOARD CEILING OR SOFFIT		2' X 4' LIGHT FIXTURE
	ACOUSTICAL CEILING TILE		2' X 2' LIGHT FIXTURE
	EXISTING ACOUSTICAL CEILING TILE		1' X 4' LIGHT FIXTURE
	IV TRACK		PENDANT STRIP LIGHT FIXTURE
	CUBICLE CURTAIN TRACK		RECESSED LIGHT FIXTURE
	ACCESS PANEL		MECHANICAL LINEAR SUPPLY GRILLE
9'-0" / ACT1	CEILING HEIGHT AFF / CEILING MATERIAL AND/OR FINISH		MECHANICAL RADIANT HEAT PANEL
	MECHANICAL SUPPLY GRILLE	RC##	KEYNOTE
	MECHANICAL RETURN GRILLE	OUTSIDE LIMITS / WITHIN LIMITS	CONSTRUCTION LIMITS

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN.

GENERAL NOTES - REFLECTED CEILING PLAN

07/24/2023

1. GENERAL CONTRACTOR TO PROVIDE AND COORDINATE CEILING MOUNTED EQUIPMENT SUPPORT REQUIREMENTS, LOCATIONS, DIMENSIONS, ETC. WITH EQUIPMENT SUPPLIER AND OWNER PRIOR TO INSTALLATION.
2. CEILING MOUNTED ITEMS INCLUDING BUT NOT LIMITED TO LIGHT FIXTURES, GRILLES, DIFFUSERS, SPEAKERS, EXIT LIGHTS, ETC. SHALL BE LOCATED IN THE CENTER OF CEILING PANELS, GYPSUM BOARD SOFFITS, AND/OR PLASTER SOFFIT UNLESS NOTED OTHERWISE. COORDINATE WITH MECHANICAL AND ELECTRICAL.
3. FINISHED GYPSUM BOARD SOFFITS SHALL EXTEND 1" BEYOND FACE AND EXPOSED ENDS OF WALL CABINETS, ETC. UNLESS NOTED OTHERWISE. PAINT 1" SAME COLOR AS VERTICAL FACE OF SOFFIT. COORDINATE CABINET DIMENSIONS WITH SUPPLIER. GYPSUM BOARD FASCIA/SOFFIT DETAILS ARE REFERENCED ON THE REFLECTED CEILING PLAN.
4. SEE MECHANICAL DRAWINGS FOR SPRINKLER HEAD TYPES AND LOCATIONS. CENTER SPRINKLER HEADS IN CEILING TILE UNLESS NOTED OTHERWISE.
5. IN REMODELING WORK IN EXISTING ACOUSTIC CEILING TILE SYSTEMS, REMOVE EXISTING PANELS AND CUT AS REQUIRED FOR CONSTRUCTION, THEN REINSTALL. REPLACE DAMAGED OR SOILED PANELS WITH TILE MATCHING EXISTING.
6. GYPSUM BOARD CEILINGS AND SOFFITS TO BE PNT1 UNLESS NOTED OTHERWISE.
7. ACOUSTIC CEILING TILE TO BE ACT1 UNLESS NOTED OTHERWISE.
8. CENTER CEILINGS IN ROOM/AREA UNLESS NOTED OTHERWISE.

KEYNOTES - REFLECTED CEILING PLAN SCOPE 2

REV	XX##	NOTE: NON SEQUENTIAL KEYNOTES ARE INTENTIONAL. KEYNOTES BELOW RC20 MAY HAVE BEEN USED IN PREVIOUS BID PACKS
	RC20	NO CEILING IN THIS ROOM/AREA, UNFINISHED, EXPOSED STRUCTURE ABOVE
	RC21	CEILING MOUNTED PATIENT LIFT. COORDINATE LOCATION WITH OWNER AND VENDOR; SEE STRUCTURAL.
	RC22	2'-0" X 2'-0" ACCESS PANEL, PAINT CUSTOM COLOR TO MATCH ADJACENT CEILING
	RC23	TS3 ACT PERIMETER TRIM

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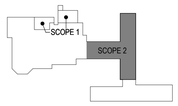

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REFLECTED CEILING PLAN

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SYMBOLS LEGEND - ROOF PLAN

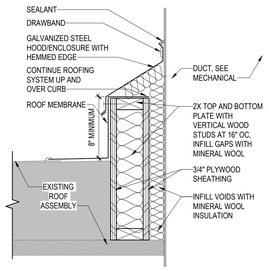
03/07/2024

RP##	KEYNOTE		WALKWAY PATH/PADS
+6.3"	INSULATION THICKNESS		CRICKET AT EQUIPMENT
	PRIMARY AND OVERFLOW ROOF DRAINS	+8"	CRICKET BETWEEN ROOF DRAINS
	FLAT STRUCTURE WITH TAPERED INSULATION (1/4" PER FOOT SLOPE UNLESS NOTED OTHERWISE)		
	SLOPED STRUCTURE WITH CONSISTENT THICKNESS INSULATION (1/4" PER FOOT SLOPE UNLESS NOTED OTHERWISE)		
	TIE-IN BOUNDARY	OUTSIDE LIMITS / WITHIN LIMITS	CONSTRUCTION LIMITS

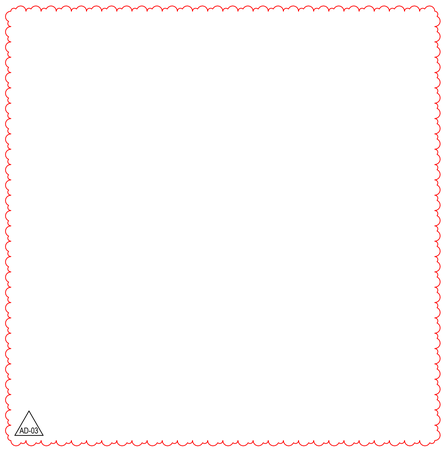
NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN.

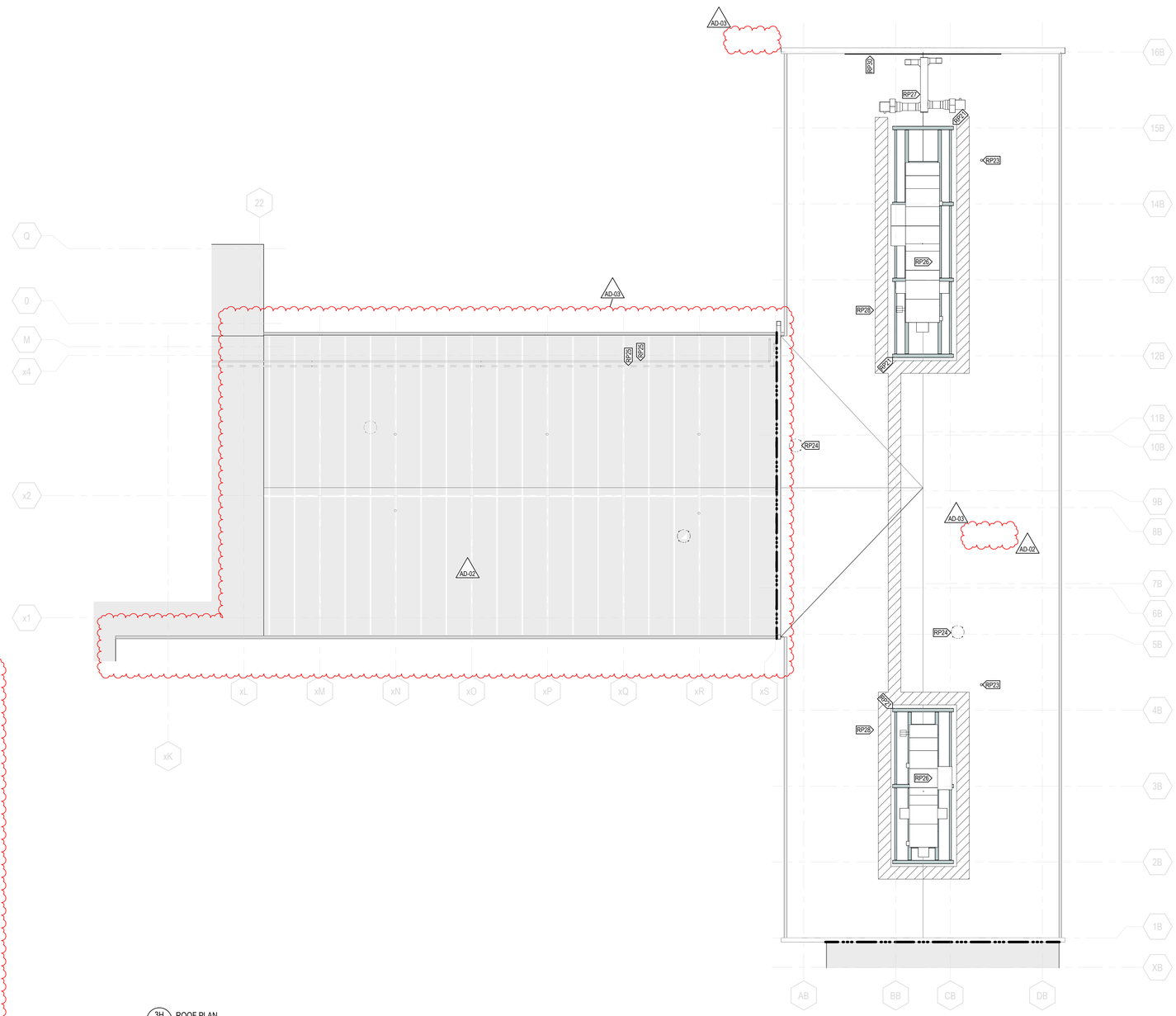
KEYNOTES - ROOF PLAN SCOPE 2

REV	XX##	NOTE: NOT ALL KEYNOTES MAY BE USED ON EACH DRAWING
	RP21	STEEL SUPPORT STRUCTURE, SEE STRUCTURAL
	RP22	EXISTING PARAPET TO BE RECOPED 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



1F / 2.500 SECTION DETAIL - ROOF CURB AT DUCT PENETRATION
1 1/2" = 1'-0"





3H / 2.500 ROOF PLAN
1/8" = 1'-0"

Southwest Mississippi Regional Medical Center
Southwest Health

LAWRENCE COUNTY HOSPITAL

INFRASTRUCTURE UPGRADES AND INPATIENT REMODEL

BWBR, P.C.
Scott Kirchner, *Architect*

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REGISTERED ARCHITECT
9/17/2025
SCOTT C KIRCHNER
STATE OF MISSISSIPPI

Issued For

Item	Date
CD ISSUE	09/17/2025
AD-02	10/10/2025
AD-03	02/03/2026

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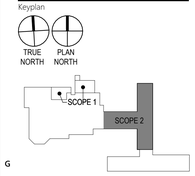
Keyplan



Comm. No.	Drawn
P.2400141.00	SF

Sheet Title

ROOF PLAN, ROOF SECTIONS, ROOF DETAILS, AND ROOF INFORMATION

Sheet No.

2.500

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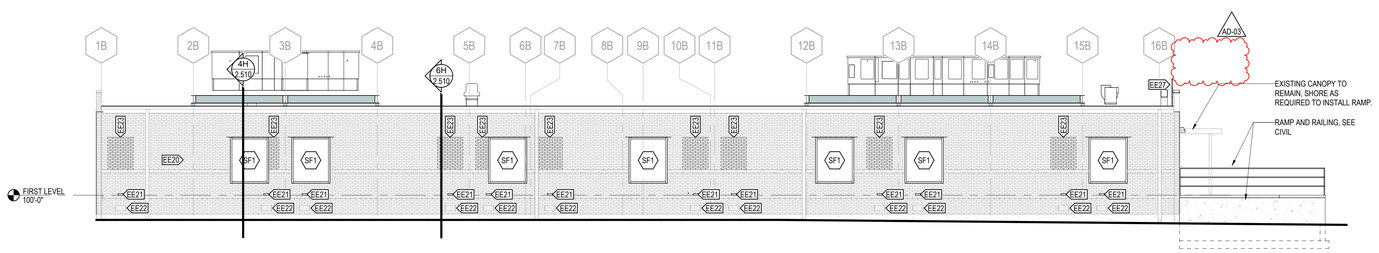
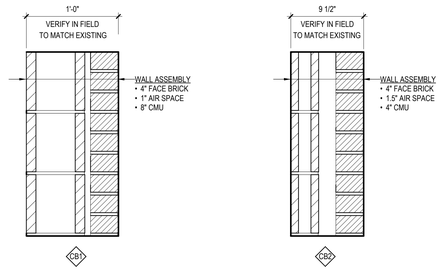


1B 2.510 EXTERIOR ELEVATION - EAST INPATIENT WING - EAST
1/8" = 1'-0"



EXTERIOR WALL TYPES

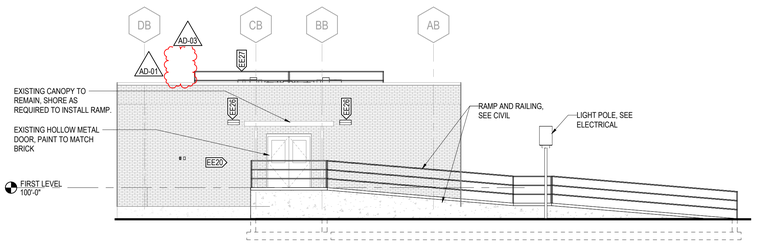
SYMBOLS LEGEND - EXTERIOR ELEVATION

02/13/2024

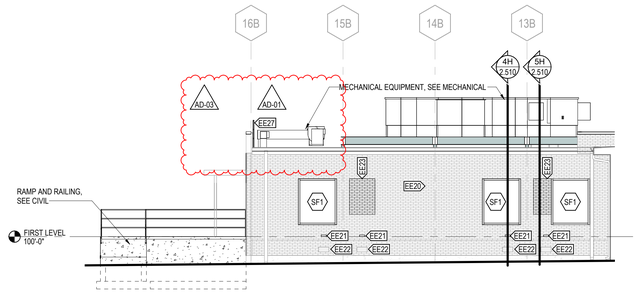
OUTSIDE LIMITS / WITHIN LIMITS	CONSTRUCTION LIMITS	CW# / W# / SF# / L#	CURTAIN WALL TAG STOREFRONT TAG WINDOW TAG LOUVER TAG
	EXISTING BUILDING		EXISTING CAST STONE
	BRICK, BR-01		

KEYNOTES - EXTERIOR ELEVATION

REV	XX##	NOTE: NOT ALL KEYNOTES MAY BE USED ON EACH DRAWING
	EE20	MASONRY AND PREVIOUSLY PAINTED ITEMS TO BE REFINISHED WITH HPNT6
	EE21	AT REMOVED VENT OPENINGS, INFILL WITH MATCHING MASONRY BRICK, PAINT TO MATCH BRICK WITH HPNT6, TYPICAL
	EE22	EXISTING CRAWL SPACE VENT, PAINT TO MATCH BRICK HPNT6, TYPICAL
	EE23	INFILL WHERE DEMOLITION WORK HAS TAKEN PLACE WITH MASONRY BRICK TO MATCH DIMENSIONS OF EXISTING, SEE DEMOLITION PLAN FOR EXTENTS OF REMOVAL
	EE24	PREFINISHED METAL FLASHING AND GUTTER
	EE25	DOWNSPOUT WITH CONCRETE SPLASH BLOCK
	EE26	LIGHT FIXTURE, SEE ELECTRICAL
AD-01	EE27	FALL PROTECTION
AD-01	EE28	PREFINISHED METAL COPING
AD-01	EE29	VERTICAL CONTROL JOINT WITH CUSTOM COLOR SEALANT TO MATCH MASONRY

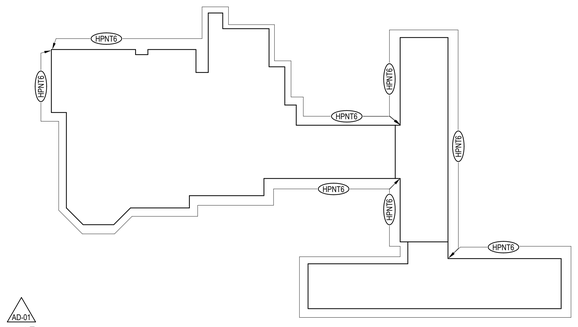


1D 2.510 EXTERIOR ELEVATION - EAST INPATIENT WING - NORTH
1/8" = 1'-0"



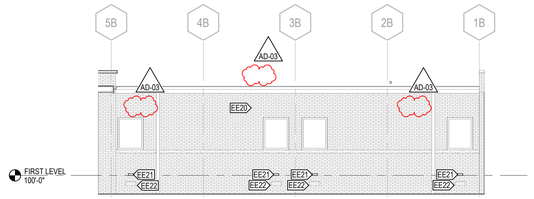
3D 2.510 EXTERIOR ELEVATION - EAST INPATIENT WING AT NORTH - WEST
1/8" = 1'-0"

AD-03



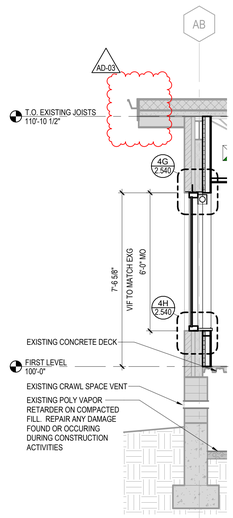
PLAN - EXTERIOR PAINT LOCATIONS
NOT TO SCALE

AD-03

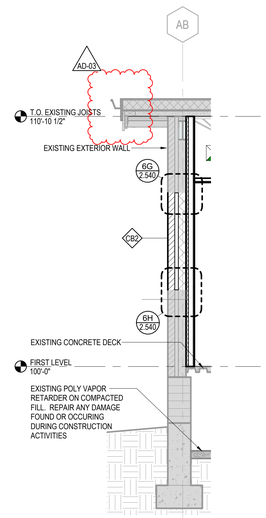


6E 2.510 EXTERIOR ELEVATION - EAST INPATIENT WING AT SOUTH - WEST
1/8" = 1'-0"

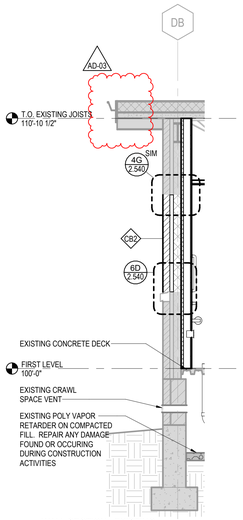
AD-03



4H 2.510 WALL SECTION - STOREFRONT AT EAST WING
3/8" = 1'-0"



5H 2.510 WALL SECTION - EXISTING OPENING INFILL ON EAST WING
3/8" = 1'-0"



6H 2.510 WALL SECTION - EXISTING OPENING INFILL WITH CAST STONE SILL AT EAST WING
3/8" = 1'-0"

AD-03

AD-03

Southwest Mississippi Regional Medical Center
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REGISTERED ARCHITECT 9/17/2025 SCOTT C KIRCHNER STATE OF MISSISSIPPI

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Keyplan

Comm. No.	Drawn
P.2400141.00	CT/SF

Sheet Title
EXTERIOR ELEVATIONS, WALL SECTION AND EXTERIOR WALL TYPES

Sheet No.
2.510

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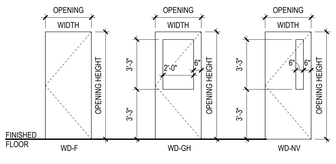
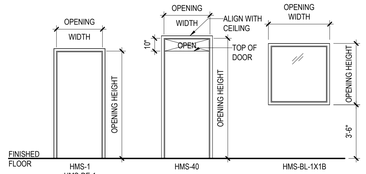


NOTE: PANELS OF DOUBLE DOORS ARE EQUAL WIDTH UNLESS NOTED OTHERWISE IN THE 'ACTIVE PANEL WIDTH' COLUMN OF THE OPENING SCHEDULE

DOOR PANEL TYPES

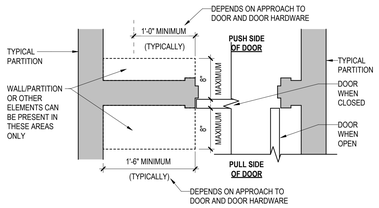
1/4" = 1'-0"



MULLION/FRAME WIDTHS 2" UNLESS NOTED OTHERWISE

DOOR AND BORROWED LIGHT FRAME TYPES

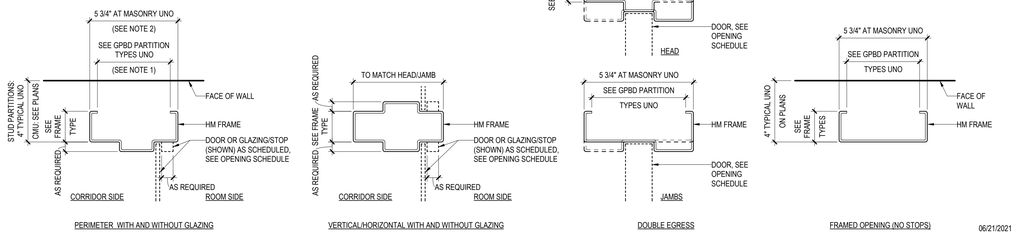
1/4" = 1'-0"



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

CLEARANCES AT DOORS

1" = 1'-0"



PROFILE NOTES

1. FOR FRAMES IN GYPSUM BOARD PARTITIONS, PROVIDE FRAME THROAT DEPTH MATCHING PARTITION THICKNESS
2. 5 3/4" 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" = 1'-0"

OPENING SCHEDULE RATING DESIGNATIONS

02/04/2020

DO: DOOR ONLY (NO SIDELIGHT)

DO-180 (3 HOUR WALLS **NOT** USED AS HORIZONTAL EXITS IN FIRE WALLS)
- 180 MINUTE FRAME AND PANEL
  - PANEL GLAZING NOT PERMITTED

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

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

DO-60 (1 HOUR RATED WALLS USED AS ENCLOSURES FOR SHAFTS, EXIT ACCESS STAIRWAYS, EXIT ACCESS RAMPS, 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

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

DO-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

DO-20 (1 HOUR RATED WALLS USED AS SMOKE BARRIER WALL OR 1 HOUR RATED FIRE PARTITION)
- 20 MINUTE FRAME AND PANEL
  - PANEL GLAZING: FG-22 REGARDLESS OF SIZE

DO-20-CC (CROSS CORRIDOR DOORS **ONLY** IN 1 HOUR RATED SMOKE BARRIER WALL)
- 20 MINUTE FRAME
- 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

DO-20-R (1/2 HOUR RATED WALLS USED FOR CORRIDOR AND DWELLING/SLEEPING UNIT SEPARATION WALLS USUALLY FOUND IN R OCCUPANCIES)
- 20 MINUTE FRAME AND PANEL
  - PANEL GLAZING: FG-22 REGARDLESS OF SIZE

DO-CL (DOOR IN SMOKE PARTITION)
- 0 MINUTE FRAME AND PANEL
- PROVIDE CLOSER AND LATCH

DO-L (DOOR IN SMOKE PARTITION)
- 0 MINUTE FRAME AND PANEL
- PROVIDE LATCH

DS: DOOR AND SIDELIGHT COMBINATIONS

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

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

DS-120 (2 HOUR RATED WALLS)
- 120 MINUTE FRAME
- 90 MINUTE PANEL
  - PANEL GLAZING < 100 SQUARE INCHES: FG-22
  - PANEL GLAZING > 100 SQUARE INCHES: FG-32
- 120 MINUTE SIDELIGHT GLAZING: FG-32

DS-60 (1 HOUR RATED WALLS USED AS ENCLOSURES FOR SHAFTS, EXIT ACCESS STAIRWAYS, EXIT ACCESS RAMPS, INTERIOR EXIT STAIRWAYS, 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
- 60 MINUTE SIDELIGHT GLAZING: FG-32

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
- 20 MINUTE PANEL IN 1 HOUR RATED CORRIDORS & SMOKE BARRIER WALLS
  - PANEL GLAZING: FG-22 REGARDLESS OF SIZE
- 45 MINUTE SIDELIGHT GLAZING: FG-22

DS-45-C (1-HR 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
- 45 MINUTE SIDELIGHT GLAZING: FG-32

DS-20-R (1/2 HOUR RATED WALLS USED AS DOOR/SIDELIGHT COMBINATIONS IN FIRE PARTITIONS IN R 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

DS-CL (DOOR IN SMOKE PARTITION)
- 0 MINUTE FRAME AND PANEL
- PROVIDE CLOSER AND LATCH

DS-L (DOOR IN SMOKE PARTITION)
- 0 MINUTE FRAME AND PANEL
- PROVIDE LATCH

BL: BORROWED LIGHTS

BL-180 (3 HOUR RATED WALLS)
- 180 MINUTE FRAME AND GLAZING
  - GLAZING: FG-31 (OR FG-32 WHERE SAFETY GLAZING REQUIRED BY CODE)

BL-120 (2 HOUR RATED WALLS USED AS ENCLOSURES FOR SHAFTS OR INTERIOR EXIT STAIRWAYS AND INTERIOR EXIT RAMPS)
- 120 MINUTE FRAME AND GLAZING
  - GLAZING: FG-31 (OR FG-32 WHERE SAFETY GLAZING REQUIRED BY CODE)

BL-60 (1 HOUR RATED WALLS USED AS ENCLOSURES FOR SHAFTS, EXIT ACCESS STAIRWAYS, EXIT ACCESS RAMPS, INTERIOR EXIT STAIRWAYS, OR INTERIOR EXIT RAMPS AND EXIT PASSAGEWAY WALLS)
- 60 MINUTE FRAME AND GLAZING
  - GLAZING: FG-31 (OR FG-32 WHERE SAFETY GLAZING REQUIRED BY CODE)

BL-45-FP (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)

BL-45-FR (1 HOUR RATED WALLS USED AS FIRE PARTITIONS, INCIDENTAL USE AREAS, 1 HOUR MIXED OCCUPANCY SEPARATIONS OR SMOKE BARRIER WALLS, 'FR' DENOTES FIRE RESISTIVE GLAZING)
- 45 MINUTE FRAME
- GLAZING: FG-31 (OR FG-32 WHERE SAFETY GLAZING REQUIRED BY CODE)

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)

BL-20-FP (1/2 HOUR RATED WALLS USED AS CORRIDOR AND DWELLING/SLEEPING UNIT SEPARATION WALLS, USUALLY FOUND IN R OCCUPANCIES, 'FP' DENOTES FIRE PROTECTIVE GLAZING)
- 20 MINUTE FRAME AND GLAZING
- GLAZING: FG-21 (OR FG-22 WHERE SAFETY GLAZING REQUIRED BY CODE)

BL-20-FR (1/2 HOUR RATED WALLS USED AS CORRIDOR AND DWELLING/SLEEPING UNIT SEPARATION WALLS, USUALLY FOUND IN R OCCUPANCIES, 'FR' DENOTES FIRE RESISTIVE GLAZING)
- 20 MINUTE FRAME AND GLAZING
- GLAZING: FG-31 (OR FG-32 WHERE SAFETY GLAZING REQUIRED BY CODE)

- 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 USED ON PROJECT, RATINGS LISTED ARE MINIMUM

DOOR PANEL NAMING

NOTE: ACTUAL PANELS MAY VARY FROM DESCRIPTIONS BELOW, REFER TO PANEL TYPE ELEVATIONS

HM-GF

PANEL PREFIXES		PANEL SUFFIXES			
AG-	ALL GLASS	AB	ANTI BARRICADE	NV	NARROW VISION
AG-R	ALL GLASS WITH TOP & BOTTOM RAIL	B	BARS (DETENTION)	NV2	NARROW VISION 2 LIGHT
		BF	BIFOLD	NV3	NARROW VISION 3 LIGHT
AL-	ALUMINUM	BFG	BIFOLD GLASS	NVC	NARROW VISION CENTERED
CG-	COILING GRILLE	D	DUTCH	NV-R	NARROW VISION RATED
CLAD-	CLAD	DBO	DUTCH BOTTOM ONLY	PC	PASS AT CENTER (DETENTION)
CS-	COILING SLATS	DG	DUTCH GLASS	PE	PASS AT EDGE (DETENTION)
DHM-	DETENTION HOLLOW METAL	DS	DUTCH WITH SHELF	R	RAILS (TOP AND/OR BOTTOM)
DHM-PC-	DHM, PASS CENTERED	F	FLUSH	RP2	RAISED PANEL 2 PANEL
DHM-PE-	DHM, PASS AT EDGE	F2	GLASS 2 LIGHT	RP4	RAISED PANEL 4 PANEL
EXG-	EXISTING	G2	GLASS 2 LIGHT	RP6	RAISED PANEL 6 PANEL
HM-	HOLLOW METAL	G3	GLASS 3 LIGHT	RP8	RAISED PANEL 8 PANEL
HML-	HOLLOW METAL LEAD LINED	G4	GLASS 4 LIGHT	SH	SHOWER (DETENTION)
IDO-	INTEGRATED DOOR OPENING	G8	GLASS 8 LIGHT	SH-P	SHOWER WITH PASS (DETENTION)
PLAM-	PLASTIC LAMINATE	GF	GLASS FULL	SL-GF	SLIDING GLASS FULL
OS-	OVERHEAD SECTIONAL	GH	GLASS HALF	ST	SLOPED TOP
RD2-	REVOLVING DOOR 2 PANEL	LF	LOUVER FULL	V	VISION
RD3-	REVOLVING DOOR 3 PANEL	LGH	LOUVER GLASS HALF	VD	VISION DOOR
RD4-	REVOLVING DOOR 4 PANEL	LH	LOUVER HALF	W	WINDOWS (1 ROW)
RF-	RADIO FREQUENCY SHEILDED	LNV	LOUVER NARROW VISION	WT	WINDOWS THROUGHOUT
SSPD	SOFT SUICIDE PREVENTION DOOR				
TD-	TRAFFIC DOOR				
WD-	WOOD				
WDL-	WOOD LEAD LINED				

DOOR FRAME NAMING

NOTE: ACTUAL FRAMES MAY VARY FROM DESCRIPTIONS BELOW, REFER TO FRAME TYPE ELEVATIONS

HMS-2

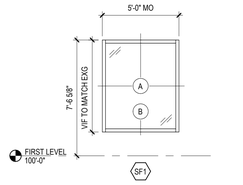
LETTER DESIGNATIONS (A, B, ETC.) MAY BE ADDED TO END OF THE FRAME SUFFIX TO DENOTE VARIATIONS OF THE SAME FRAME

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
ALR-	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
HME-	HOLLOW METAL EXTERIOR	8	TRANSOM WITH SIDELIGHT(S) 1 SIDE WITH HORIZONTAL
HMM-	HOLLOW METAL MASONRY	9	TRANSOM WITH SIDELIGHT(S) BOTH SIDES
HMM-BL-	HMM BORROWED LIGHT	10	TRANSOM WITH SIDELIGHT(S) BOTH SIDES WITH HORIZONTAL
HMM-DE-	HMM DOUBLE EGRESS	11	FULL WIDTH TRANSOM WITH SIDELIGHT(S) 1 SIDE
HMS-	HOLLOW METAL STUD	12	4-SIDED FRAME
HMSL-	HMS LEAD LINED	13	MULTIPLE TRANSOMS, NO SIDELIGHT
HMS-BL-	HMS BORROWED LIGHT	14	MULTIPLE TRANSOMS, 1 SIDELIGHT
HMS-DE-	HMS DOUBLE EGRESS	19	1/2" WIDE LATCH SIDE JAMB
IDO-	INTEGRATED DOOR OPENING	20	PARTIAL HEIGHT JAMBS, NO HEAD
IDO-DE-	IDO DOUBLE EGRESS	30	OPENING AT HEAD FOR RAIL OF PATIENT LIFT SYSTEM
OC-	OVERHEAD COILING	40	OPAQUE TRANSOM WITH NO FRAME BETWEEN PANEL & TRANSOM
OS-	OVERHEAD SECTIONAL	1X1	1 LIGHT WIDE & 1 LIGHT HIGH (OTHER COMBINATIONS POSSIBLE)
RF-	RADIO FREQUENCY SHIELDED	2X2	2 LIGHTS WIDE & 2 LIGHTS HIGH (OTHER COMBINATIONS POSSIBLE)
TD-	TRAFFIC DOOR	3X3	3 LIGHTS WIDE & 3 LIGHTS HIGH (OTHER COMBINATIONS POSSIBLE)
VL-	VERTICAL LIFT	AB	ANTI BARRICADE
WD-	WOOD	ANG	FRAME HAS 45 DEGREE ANGLE IN PLAN (SEE FRAME TYPES)
WDL-	WOOD LEAD LINED	O	FIXED PANEL IN SLIDING DOOR
WD-BL-	WOOD BORROWED LIGHT	X	ACTIVE PANEL IN SLIDING DOOR
WDP-	WOOD POCKET		

NOTE: 'WHEN 'SEE CW TYPES' OR 'SEE SF 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

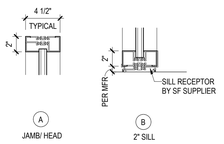
OPENING SCHEDULE

REVISIONS	ASSOCIATED ROOMS: ROOM NAME	ASSOCIATED ROOMS: ROOM NAME	OPENING: NUMBER	OPENING: WIDTH	OPENING: HEIGHT	OPENING: ACTIVE PANEL WIDTH	PANEL INFORMATION: PANEL TYPE	PANEL INFORMATION: 2ND PANEL TYPE	PANEL INFORMATION: PANEL GLAZING	FRAME INFORMATION: FRAME TYPE	FRAME INFORMATION: FRAME GLAZING	HDW GROUP	RATING	COMMENTS
FIRST LEVEL														
		PATIENT ROOM - ACC	005	4'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	08	DO-L	
AD-01	PATIENT TOILET - ACC	PATIENT ROOM - ACC	005A	4'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	07A	NONE	
AD-01		PATIENT ROOM	006	4'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	08A	DO-L	
	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	DO-L	
	PATIENT ROOM - All	TOILET	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	DO-L	
	PATIENT ROOM - All	TOILET	010A	3'-6"	7'-0"		WD-F		NONE	HMS-1	NONE	07A	NONE	
AD-01		PATIENT ROOM	011	4'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	08A	DO-L	
	TOILET	PATIENT ROOM	011A	3'-6"	7'-0"		WD-F		NONE	HMS-1	NONE	07	NONE	
AD-01		PATIENT ROOM	012	4'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	08A	DO-L	
	TOILET	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	DO-L	
	TOILET	PATIENT ROOM	013A	3'-6"	7'-0"		WD-F		NONE	HMS-1	NONE	07A	NONE	
	CORRIDOR	PATIENT ROOM	013B	2'-6"	3'-10"		NO PANEL		NONE	HMS-BL-1X1B	VG-01		DO-L	
AD-01	CORRIDOR	PATIENT ROOM	014	4'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	08A	DO-L	
	TOILET	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		DO-L	
		PATIENT ROOM	015	4'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	08A	DO-L	
	TOILET	PATIENT ROOM	015A	3'-6"	7'-0"		WD-F		NONE	HMS-1	NONE	07A	NONE	
		PATIENT ROOM - ACC	016	3'-8"	7'-0"		WD-F		NONE	HMS-1	NONE	08	DO-L	AD-01
AD-01	PATIENT ROOM - ACC	TOILET - ACC	016A	4'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	07	NONE	
	CASE MANAGER OFFICE		017	3'-0"	7'-0"		WD-NV		FG-11	HMS-1	NONE	05	DO-90	
	ACC TOILET - STAFF		018	3'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	06	DO-L	AUTOMATIC CLOSER, PRIVACY FUNCTION
		STAFF BREAK	019	3'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	03	DO-L	CARD READER
AD-03	MEDS		020	3'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	03B	DO-L	CARD READER
AD-03		MEDS	022	3'-8"	7'-0"		WD-F		NONE	HMS-1	NONE	03A	DO-20-S	AUTOMATIC CLOSER, CARD READER, AD-03
	EVS		100A	3'-0"	7'-0"		WD-F		NONE	HMS-1	NONE		DO-L	
	CORRIDOR	ELEC	110A	3'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	04	DO-L	AUTOMATIC CLOSER, MAGNETIC HOLD OPEN
	IT		110C	3'-0"	7'-0"		WD-F		NONE	HMS-1	NONE	04	DO-L	AUTOMATIC CLOSER, STORE ROOM FUNCTION
		CORRIDOR	111	7'-4"	7'-0"		WD-GH	WD-GH	FG-11	HMS-DE-1	NONE	02	DO-L	AUTOMATIC CLOSER, PUSH PLATES



EXTERIOR STOREFRONT TYPES

1/4" = 1'-0"



STOREFRONT EXTERIOR MULLION PROFILES

1 1/2" = 1'-0"

2/3/2026 3:43:51 PM

Southwest Mississippi Regional Medical Center
Southwest Health

LAWRENCE COUNTY HOSPITAL

INFRASTRUCTURE UPGRADES AND INPATIENT REMODEL

BWBR, P.C.
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Keyplan

Comm. No.	Drawn
P.2400141.00	SF

Sheet Title

OPENING SCHEDULE, DOOR PANEL AND FRAME TYPES, STOREFRONT TYPES

Sheet No.

2.520

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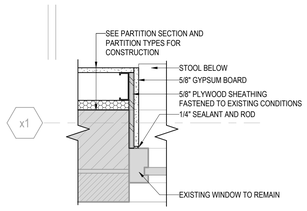
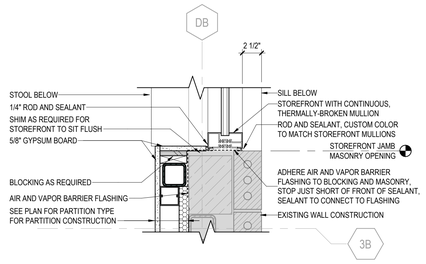
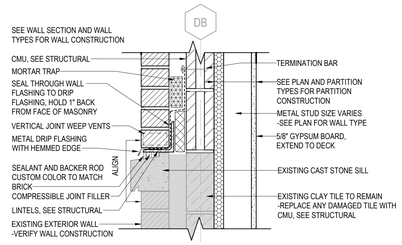


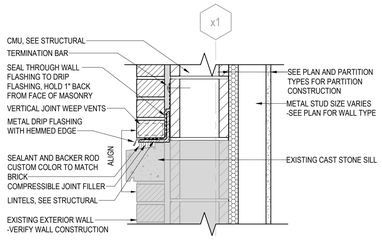
1C / 2.540 PLAN DETAIL - JAMB AT EXISTING PUNCHED OPENING
1 1/2" = 1'-0"



4D / 2.540 PLAN DETAIL - STOREFRONT JAMB AT EXISTING WINDOW JAMB ON EXISTING CLAY TILE
1 1/2" = 1'-0"

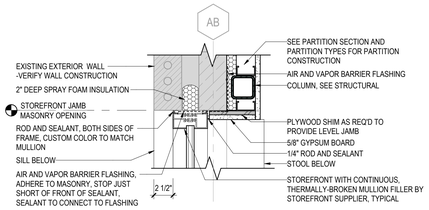


6D / 2.540 SECTION DETAIL- EXISTING OPENING INFILL OVER CAST STONE AT EAST WING
1 1/2" = 1'-0"

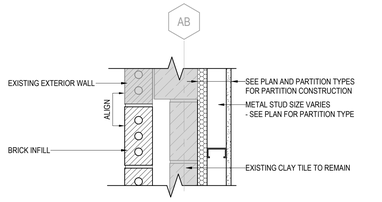


1E / 2.540 SECTION DETAIL - EXISTING WINDOW INFILL ON CAST STONE AT WEST WALL
1 1/2" = 1'-0"

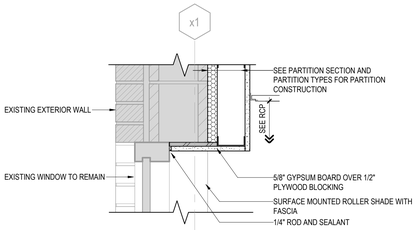
AD-03



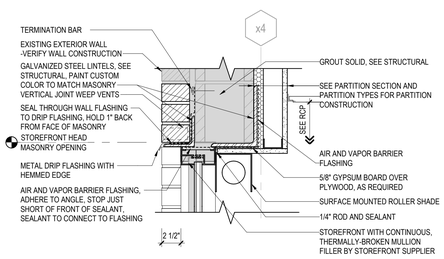
4E / 2.540 PLAN DETAIL - STOREFRONT JAMB AT EXPANDED WINDOW OPENING AT EAST WING
1 1/2" = 1'-0"



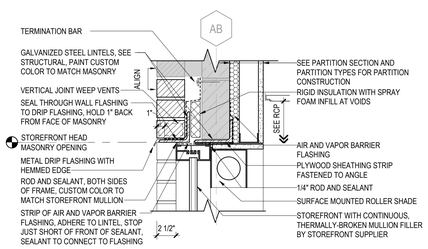
6E / 2.540 PLAN DETAIL - EXISTING OPENING JAMB INFILL AT EAST WING
1 1/2" = 1'-0"



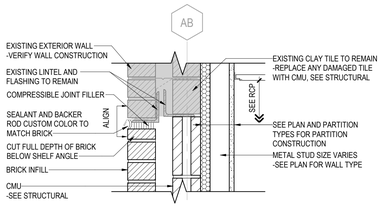
1G / 2.540 SECTION DETAIL - EXISTING WINDOW HEAD
1 1/2" = 1'-0"



3G / 2.540 SECTION DETAIL - STOREFRONT HEAD AT EXISTING
1 1/2" = 1'-0"

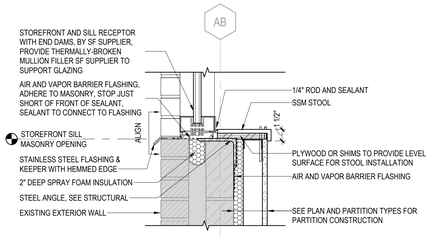


4G / 2.540 SECTION DETAIL - STOREFRONT HEAD AT EXISTING WINDOW ON EAST WING
1 1/2" = 1'-0"

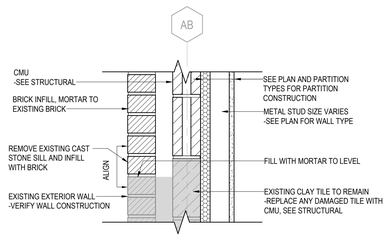


6G / 2.540 SECTION DETAIL - EXISTING OPENING INFILL HEAD ON EAST WING
1 1/2" = 1'-0"

AD-03



4H / 2.540 SECTION DETAIL - STOREFRONT SILL AT EAST WING
1 1/2" = 1'-0"



6H / 2.540 SECTION DETAIL - EXISTING OPENING INFILL SILL ON EAST WING
1 1/2" = 1'-0"

AD-03

2/4/2026 8:46:32 AM

Southwest Mississippi Regional Medical Center
Southwest Health

LAWRENCE COUNTY HOSPITAL

INFRASTRUCTURE UPGRADES AND INPATIENT REMODEL

BWBR, P.C.
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Keyplan

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Sheet Title
EXTERIOR DETAILS

Sheet No.
2.540

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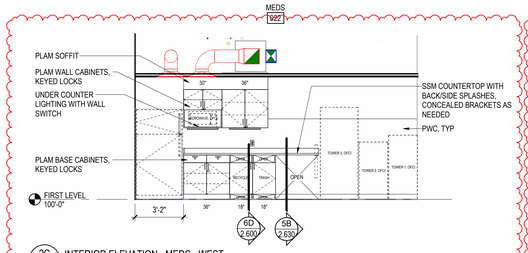
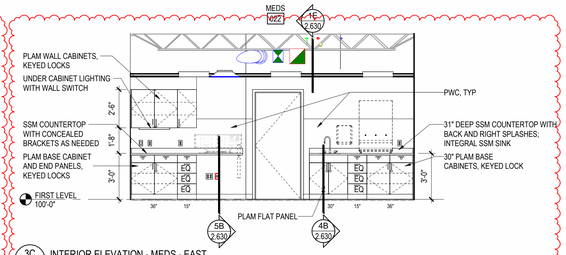


2C 2.601 INTERIOR ELEVATION - MEDS - WEST
1/4" = 1'-0"

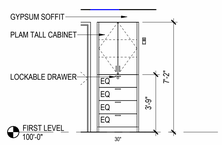
AD-03



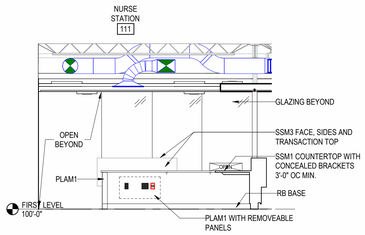
3C 2.601 INTERIOR ELEVATION - MEDS - EAST
1/4" = 1'-0"

AD-03

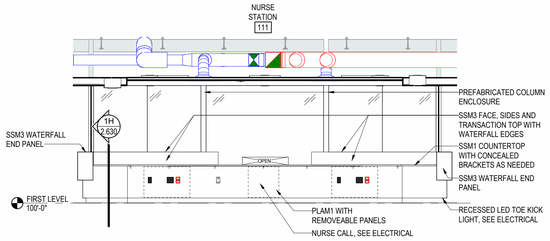
AD-03



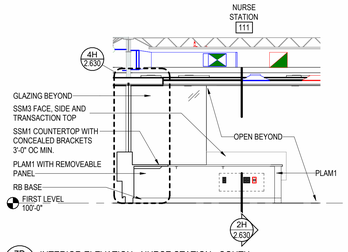
2D 2.601 INTERIOR ELEVATION - PPE CABINET - CORRIDOR
1/4" = 1'-0"



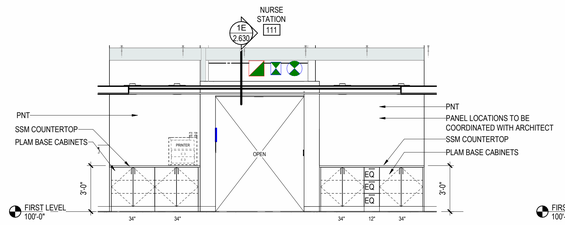
4D 2.601 INTERIOR ELEVATION - NURSE STATION - NORTH
1/4" = 1'-0"



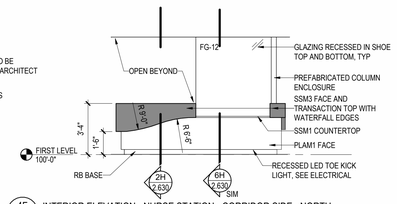
5D 2.601 INTERIOR ELEVATION - NURSE STATION - EAST
1/4" = 1'-0"



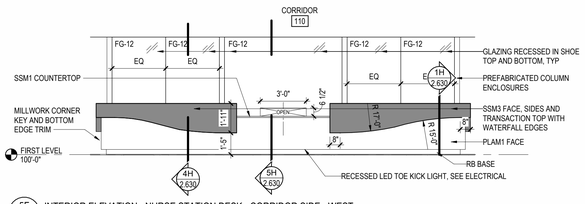
7D 2.601 INTERIOR ELEVATION - NURSE STATION - SOUTH
1/4" = 1'-0"



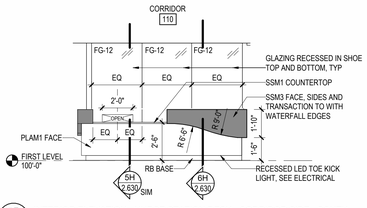
2F 2.601 INTERIOR ELEVATION - NURSE STATION - WEST
1/4" = 1'-0"



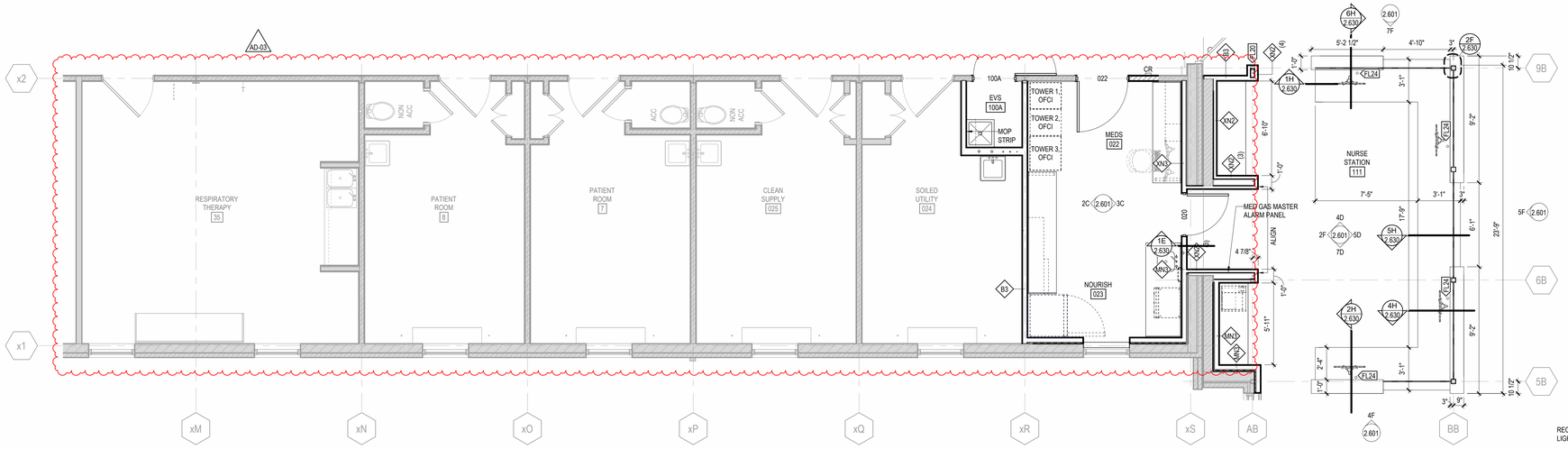
4F 2.601 INTERIOR ELEVATION - NURSE STATION - CORRIDOR SIDE - NORTH
1/4" = 1'-0"



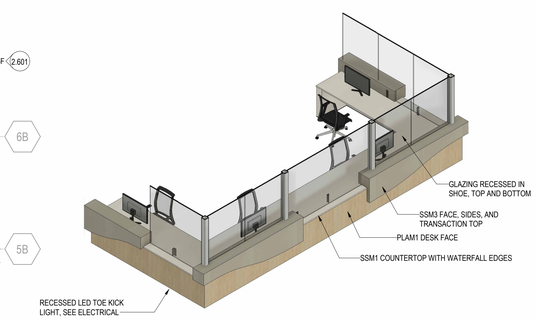
5F 2.601 INTERIOR ELEVATION - NURSE STATION DESK - CORRIDOR SIDE - WEST
1/4" = 1'-0"



7F 2.601 INTERIOR ELEVATION - NURSE STATION DESK - CORRIDOR SIDE - SOUTH
1/4" = 1'-0"



1H 2.601 ENLARGED PLAN - STAFF SUPPORT CORE
1/4" = 1'-0"



7H 2.601 3D VIEW - NURSE STATION

Southwest Mississippi Regional Medical Center
Southwest Health

LAWRENCE COUNTY HOSPITAL

INFRASTRUCTURE UPGRADES AND INPATIENT REMODEL

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Keyplan

TRUE NORTH | PLAN NORTH

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P.2400141.00	MSB/SF

Sheet Title

1/4" PLANS, INTERIOR ELEVATIONS - STAFF SPACES

Sheet No.

2.601

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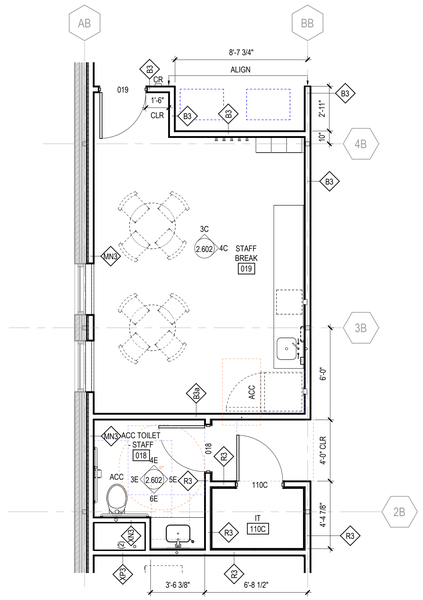
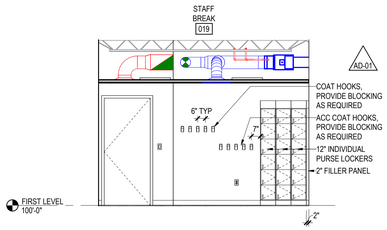
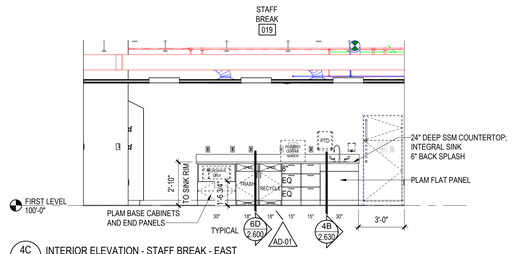


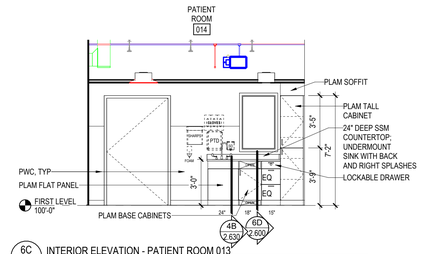
1E 2.602 ENLARGED FLOOR PLAN - STAFF BREAK & STAFF TOILET
1/4" = 1'-0"



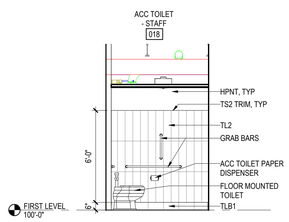
3C 2.602 INTERIOR ELEVATION - STAFF BREAK - NORTH
1/4" = 1'-0"



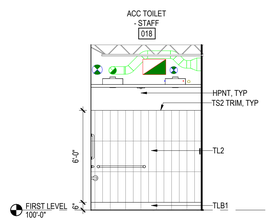
4C 2.602 INTERIOR ELEVATION - STAFF BREAK - EAST
1/4" = 1'-0"



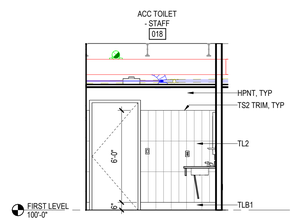
6C 2.602 INTERIOR ELEVATION - PATIENT ROOM 013
1/4" = 1'-0"



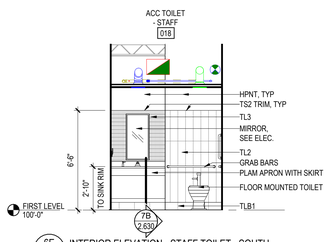
3E 2.602 INTERIOR ELEVATION - STAFF TOILET - WEST
1/4" = 1'-0"



4E 2.602 INTERIOR ELEVATION - STAFF TOILET - NORTH
1/4" = 1'-0"



5E 2.602 INTERIOR ELEVATION - STAFF TOILET - EAST
1/4" = 1'-0"



6E 2.602 INTERIOR ELEVATION - STAFF TOILET - SOUTH
1/4" = 1'-0"

AD-03

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9/17/2025
SCOTT C KIRCHNER
STATE OF MISSISSIPPI

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PLAN NORTH

Comm. No.	Drawn
P.2400141.00	SF

Sheet Title

1/4" PLANS, INTERIOR ELEVATIONS - STAFF BREAK, PATIENT ROOMS AND TOILETS

AD-01

Sheet No.

2.602

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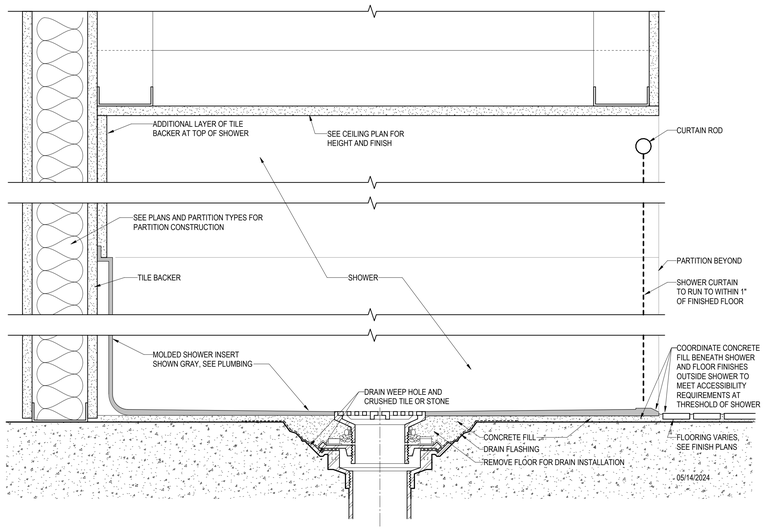
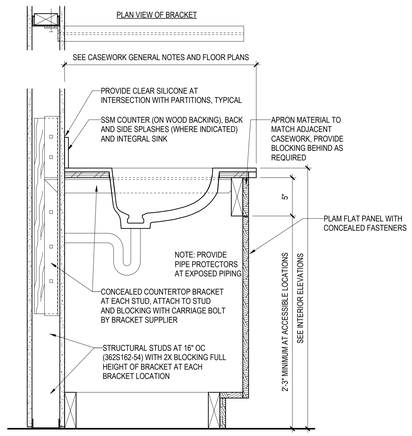
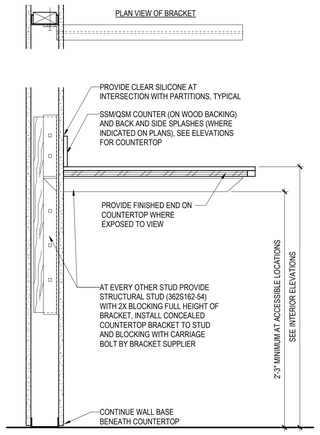


SECTION A: CUT PERPENDICULAR THROUGH THRESHOLD

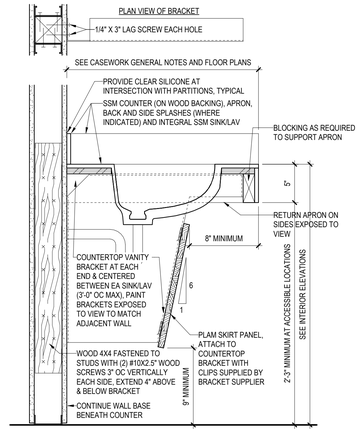
10 / 2.630 SECTION DETAIL - ACCESSIBLE SHOWER, MOLDED
3" = 1'-0"



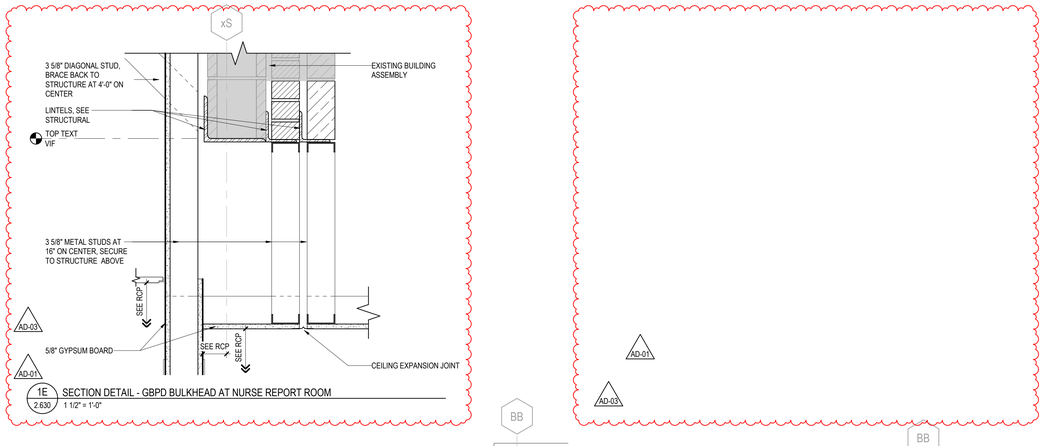
4B / 2.630 SECTION DETAIL - PLAM FLAT PANEL CASEWORK
1 1/2" = 1'-0"



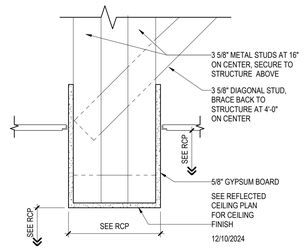
5B / 2.630 SECTION DETAIL - WALL MOUNTED SSM COUNTERTOP SECTIONS WITHOUT APRON
1 1/2" = 1'-0"



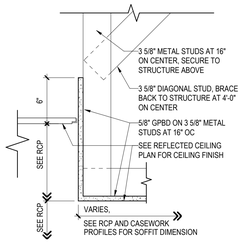
7B / 2.630 SECTION DETAIL - WALL MOUNTED SSM COUNTERTOP WITH INTEGRAL SINK/LAV WITH SKIRT PANEL (NO ADJACENT CASEWORK)
1 1/2" = 1'-0"



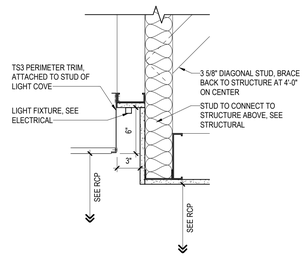
1E / 2.630 SECTION DETAIL - GBPD BULKHEAD AT NURSE REPORT ROOM
1 1/2" = 1'-0"



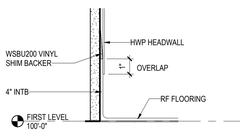
5E / 2.630 SECTION DETAIL - GBPD BULKHEAD
1 1/2" = 1'-0"



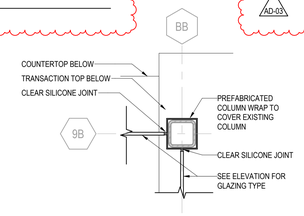
6E / 2.630 SECTION DETAIL - GPBD SOFFIT
1 1/2" = 1'-0"



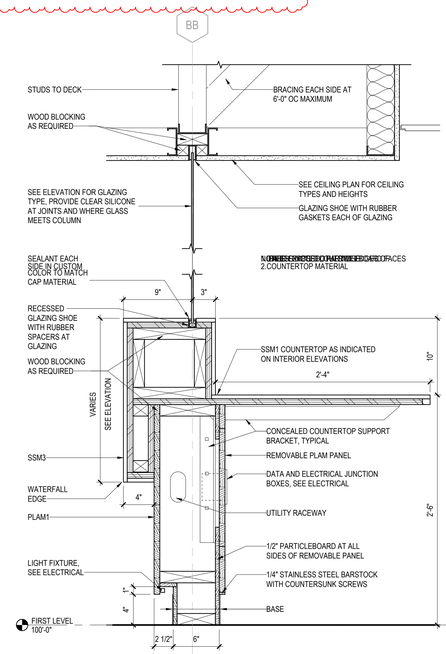
7E / 2.630 SECTION DETAIL - COVE LIGHT
1 1/2" = 1'-0"



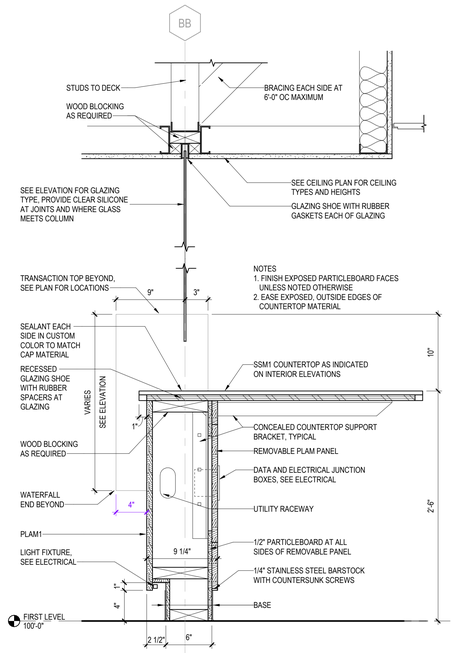
1F / 2.630 SECTION DETAIL - HWP AT INTEGRAL BASE
3" = 1'-0"



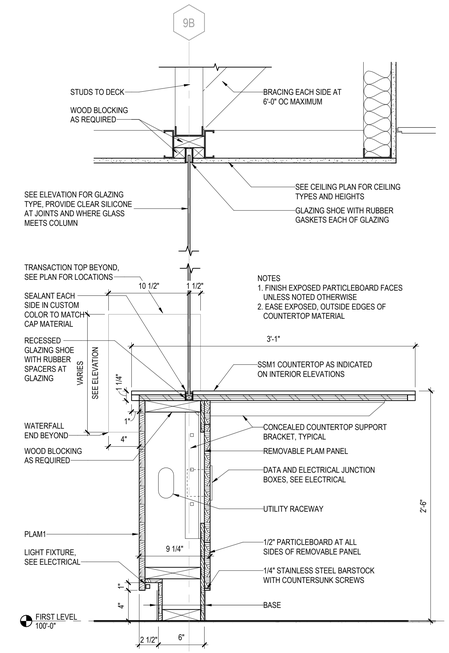
2F / 2.630 PLAN DETAIL - COLUMN WRAP AT NURSE STATION
1 1/2" = 1'-0"



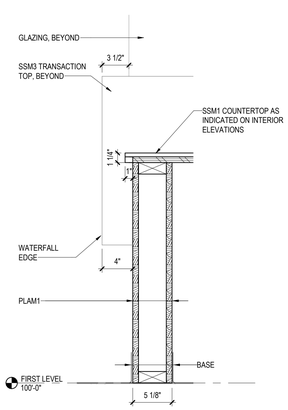
4H / 2.630 SECTION DETAIL - NURSE STATION DESK AT TRANSACTION TOP WITH GLASS
1 1/2" = 1'-0"



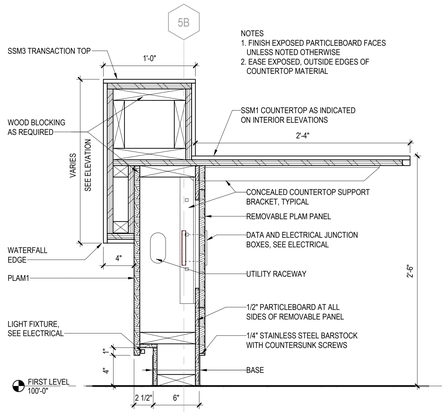
5H / 2.630 SECTION DETAIL - NURSE STATION DESK AT PASS THROUGH
1 1/2" = 1'-0"



6H / 2.630 SECTION DETAIL - NURSE STATION DESK WITH GLASS
1 1/2" = 1'-0"



1H / 2.630 SECTION DETAIL - NURSE STATION DESK END WALL
1 1/2" = 1'-0"



2H / 2.630 SECTION DETAIL - NURSE STATION DESK AT TRANSACTION TOP WITHOUT GLASS
1 1/2" = 1'-0"

2/3/2026 3:44:49 PM

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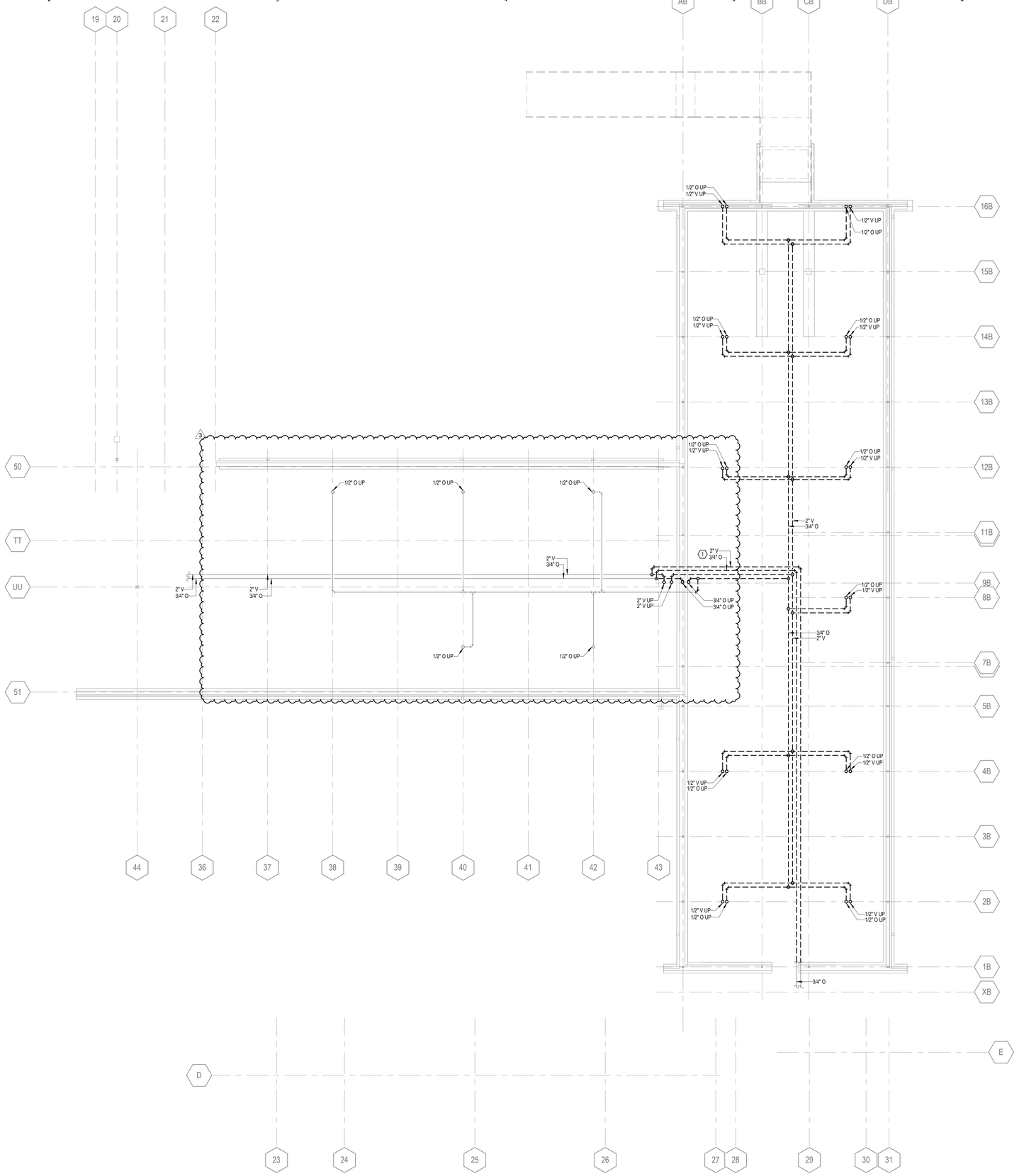

2H MEDICAL GAS DEMOLITION PLAN - CRAWL SPACE
2.700.DM 1/8" = 1'-0"

GENERAL NOTES:

1. MECHANICAL SYMBOLS AND ABBREVIATIONS SHEET GENERAL NOTES APPLY TO ALL SHEETS.
2. 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.
3. UNLESS NOTED OTHERWISE, DETAILS SHOWN WITHIN THESE DOCUMENTS ARE APPLICABLE FOR ALL PIPING, EQUIPMENT AND DUCTWORK INSTALLATIONS WHETHER OR NOT SPECIFICALLY NOTED.
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SHEET NOTES:

1. REMOVE EXISTING OXYGEN AND VACUUM PIPING SERVING ADMINISTRATION WING.

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Southwest Health

LAWRENCE COUNTY HOSPITAL

INFRASTRUCTURE UPGRADES AND INPATIENT REMODEL

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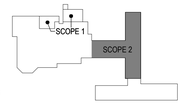

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Sheet Title
CRAWL SPACE - MEDICAL GAS DEMOLITION PLAN

Sheet No.
2.700.DM

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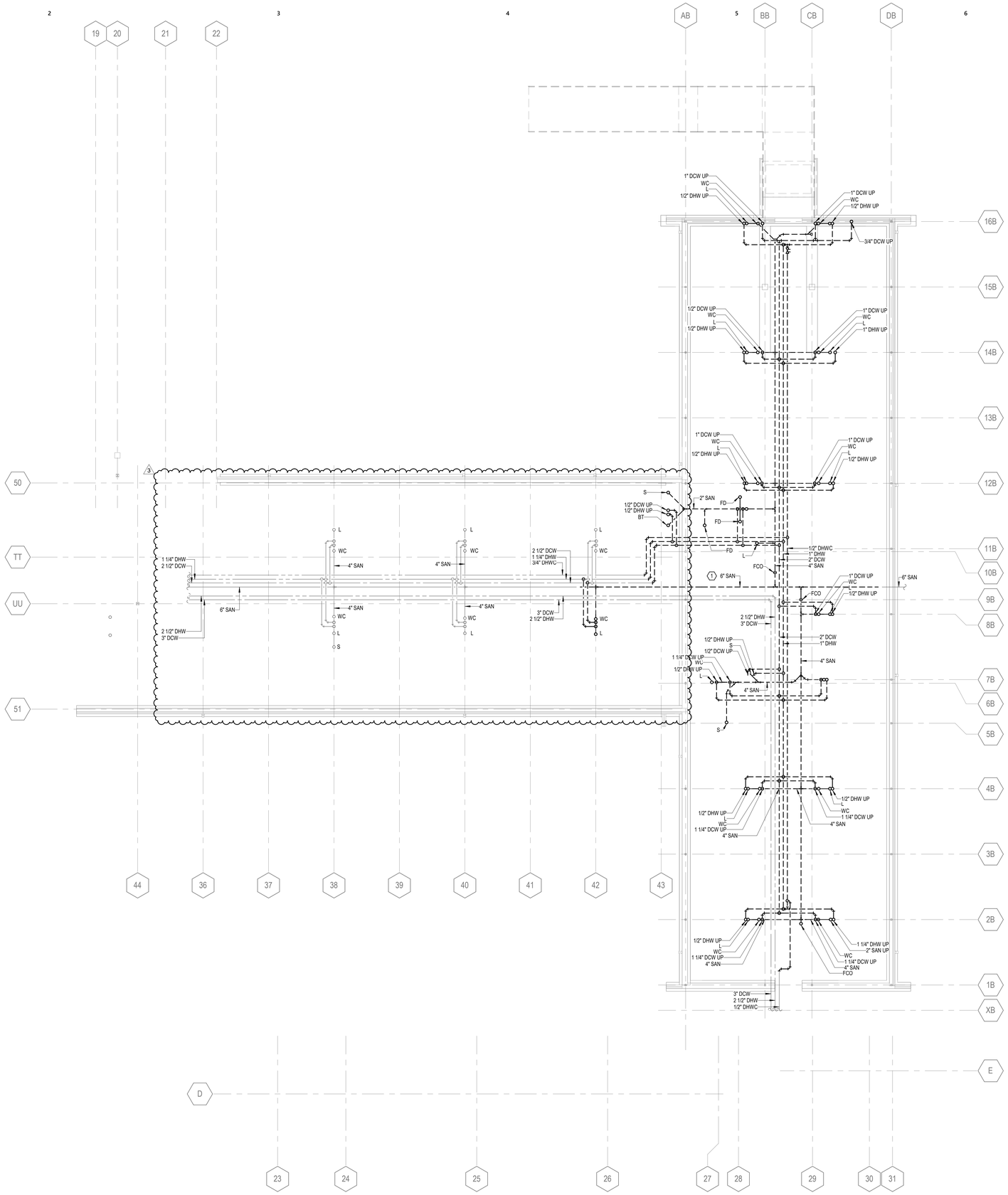

2H PLUMBING DEMOLITION PLAN - CRAWL SPACE
2.700.DP 1/8" = 1'-0"

GENERAL NOTES:

1. MECHANICAL SYMBOLS AND ABBREVIATIONS SHEET GENERAL NOTES APPLY TO ALL SHEETS.
2. 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.
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SHEET NOTES: ⬡

1. REMOVE EXISTING 6" SANITARY MAIN AFTER NEW 6" MAIN HAS BEEN INSTALLED PARALLEL TO EXISTING MAIN. EXISTING MAIN SHALL REMAIN ACTIVE UNTIL CROSSOVER. COORDINATE TEMPORARY SHUTDOWN WITH OWNER.

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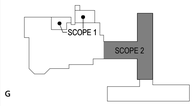

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CRAWL SPACE - PLUMBING DEMOLITION PLAN

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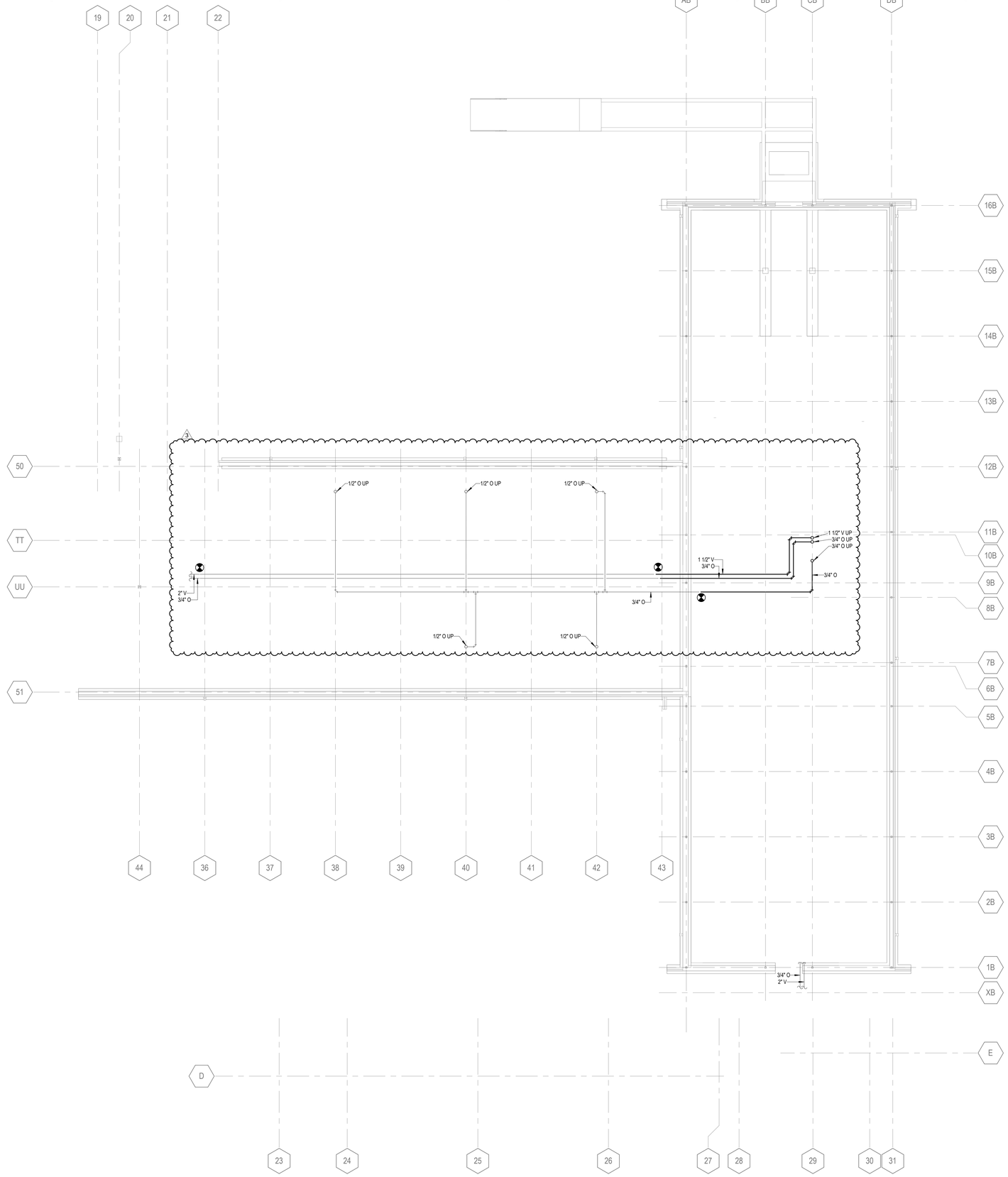

2H
2.700.M
MEDICAL GAS PLAN - CRAWL SPACE
1/8" = 1'-0"

GENERAL NOTES:

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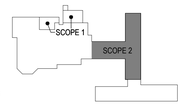

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CRAWL SPACE - MEDICAL GAS PLAN

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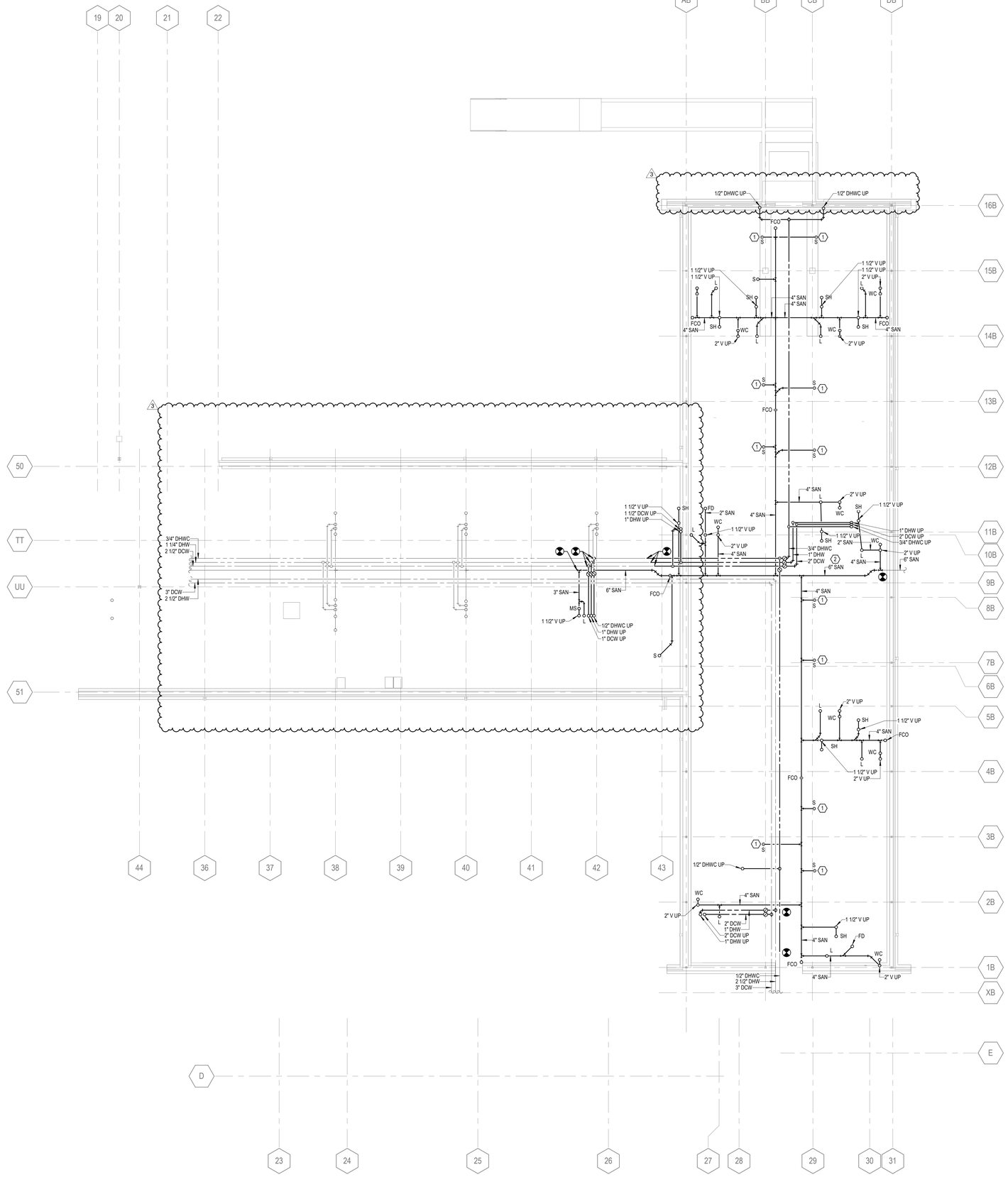

2H PLUMBING PLAN - CRAWL SPACE
2.700.P 1/8" = 1'-0"

GENERAL NOTES:

1. MECHANICAL SYMBOLS AND ABBREVIATIONS SHEET GENERAL NOTES APPLY TO ALL SHEETS.
2. 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.
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4. 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.

SHEET NOTES: ⬡

1. OFFSET SANITARY AROUND EXISTING STRUCTURAL MEMBER. EXTEND SANITARY UP THROUGH CASEWORK BELOW SINK.
2. INSTALL NEW 6" SANITARY MAIN ADJACENT TO EXISTING 6" MAIN. EXISTING MAIN SHALL REMAIN ACTIVE UNTIL CROSSOVER. COORDINATE TEMPORARY SHUTDOWN WITH OWNER.

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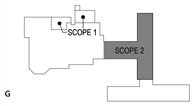

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CRAWL SPACE - PLUMBING PLAN

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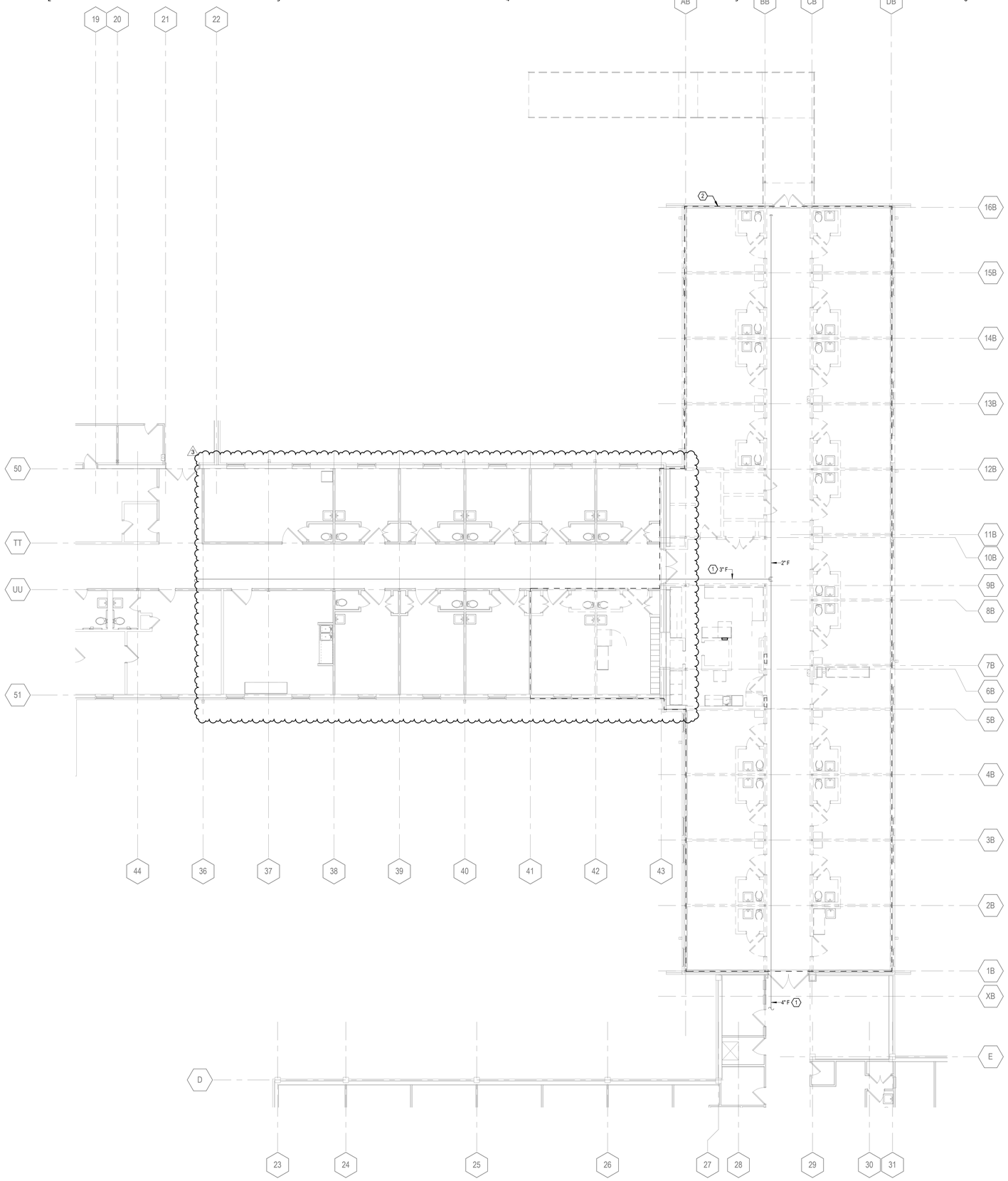

2H FIRE PROTECTION DEMOLITION PLAN - FIRST LEVEL
2.701.DF 1/8" = 1'-0"

GENERAL NOTES:

1. MECHANICAL SYMBOLS AND ABBREVIATIONS SHEET GENERAL NOTES APPLY TO ALL SHEETS.
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SHEET NOTES: ⬡

1. FIRE PROTECTION MAIN SHALL REMAIN ACTIVE DURING CONSTRUCTION. PROVIDE A FIRE WATCH FOR ENTIRE FACILITY DURING ANY NECESSARY SHUTDOWNS TO AREAS OUTSIDE CONSTRUCTION AREA. COORDINATE WITH LOCAL FIRE MARSHALL.
2. REMOVE ALL EXISTING SPRINKLER HEADS IN OUTLINED AREA. REMOVE BRANCH FIRE PROTECTION PIPING BACK TO MAIN.

SPRINKLER NOTE:

THE BUILDING SHALL HAVE A FULLY COMPLIANT FIRE PROTECTION SYSTEM. THE SYSTEM SHALL COMPLY TO ALL APPLICABLE NFPA CODES, STATE AND LOCAL FIRE MARSHAL'S REGULATIONS, AND THE OWNER'S INSURANCE COMPANY AGENCY. THE SPRINKLER CONTRACTOR SHALL PREPARE DOCUMENTS SHOWING ALL PIPES, SIZES, HEAD TYPES, AND LOCATIONS. LAYOUT SHALL BE FULLY COORDINATED WITH ALL OTHER TRADES. DRAWINGS SHALL BE SUBMITTED TO ENGINEER/ARCHITECT FOR REVIEW AND THEN SUBMITTED TO LOCAL AHJ AND OWNER'S INSURANCE AGENCY. CHANGES REQUIRED BY AHJ OR OWNER'S INSURANCE AGENCY SHALL BE RESUBMITTED TO ENGINEER/ARCHITECT. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEW AND COORDINATION OF ALL SPRINKLER ROUTING AND HEAD LOCATIONS. CONFLICTS WITH SPRINKLER PIPE AND ANY OTHER MECHANICAL OR ELECTRICAL SYSTEM SHALL BE RESOLVED THROUGH REROUTING OR RELOCATING SYSTEM COMPONENTS AT NO ADDITIONAL PROJECT COST.

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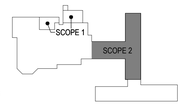

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FIRST LEVEL - FIRE PROTECTION DEMOLITION PLAN

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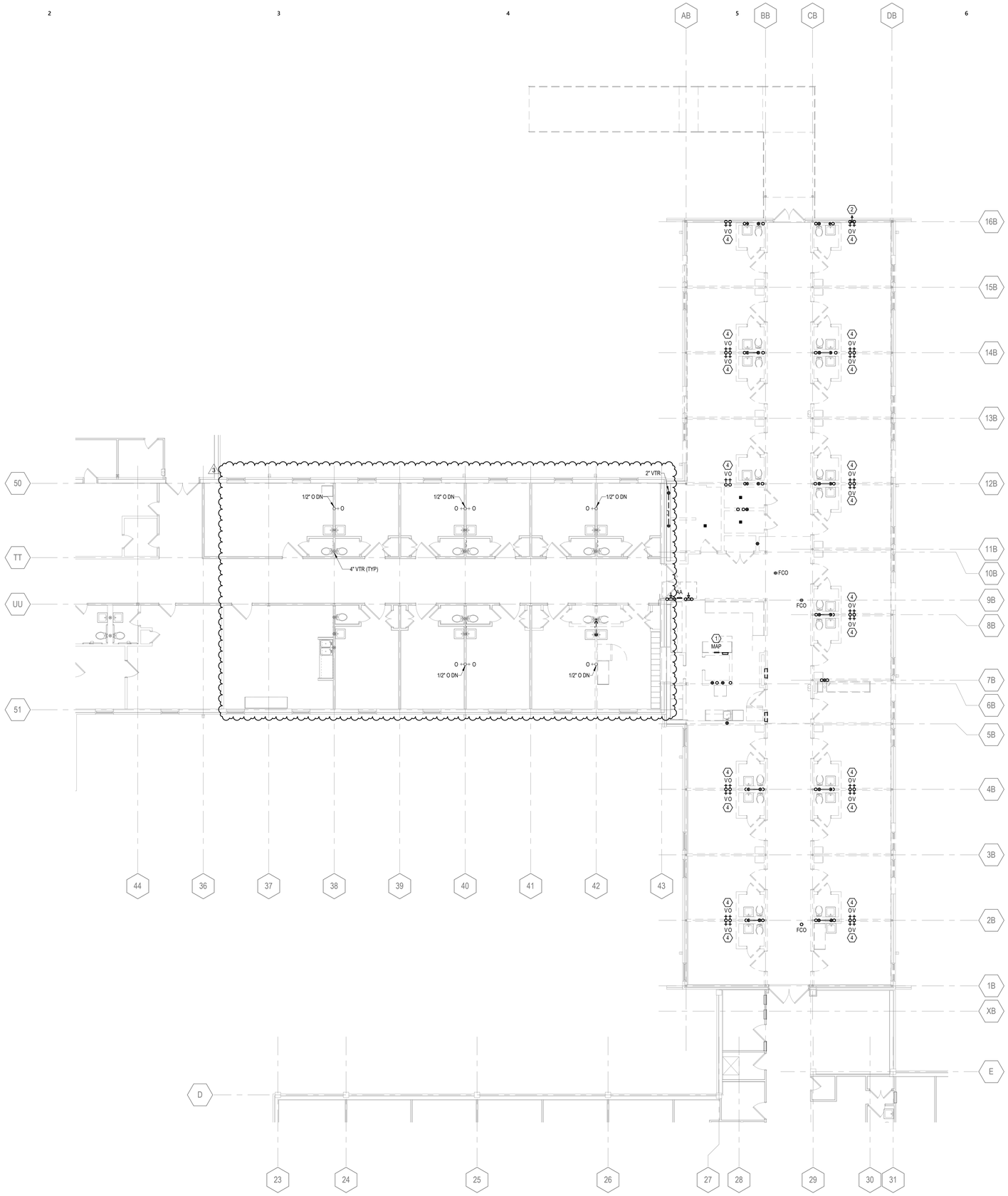

2H PLUMBING DEMOLITION PLAN - FIRST LEVEL
2.701.DP 1/8" = 1'-0"

GENERAL NOTES:

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2. 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.
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SHEET NOTES:

1. EXISTING MASTER ALARM PANEL SHALL REMAIN ACTIVE DURING CONSTRUCTION UNTIL NEW MASTER ALARM PANEL HAS BEEN INSTALLED. RELOCATE TEMPORARILY AS REQUIRED.
2. REMOVE EXISTING HOSE BIBB. PATCH AND REPAIR EXISTING WALL.
3. NOT USED.
4. REMOVE EXISTING OXYGEN AND VACUUM WALL OUTLETS. REMOVE EXISTING MEDICAL OXYGEN AND VACUUM PIPING BACK TO NEAREST ACTIVE MAIN. SAVE OXYGEN FLOW METER AND RETURN TO OWNER FOR INSTALLATION DURING NEW CONSTRUCTION.

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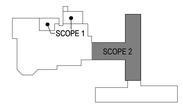

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FIRST LEVEL - PLUMBING DEMOLITION PLAN

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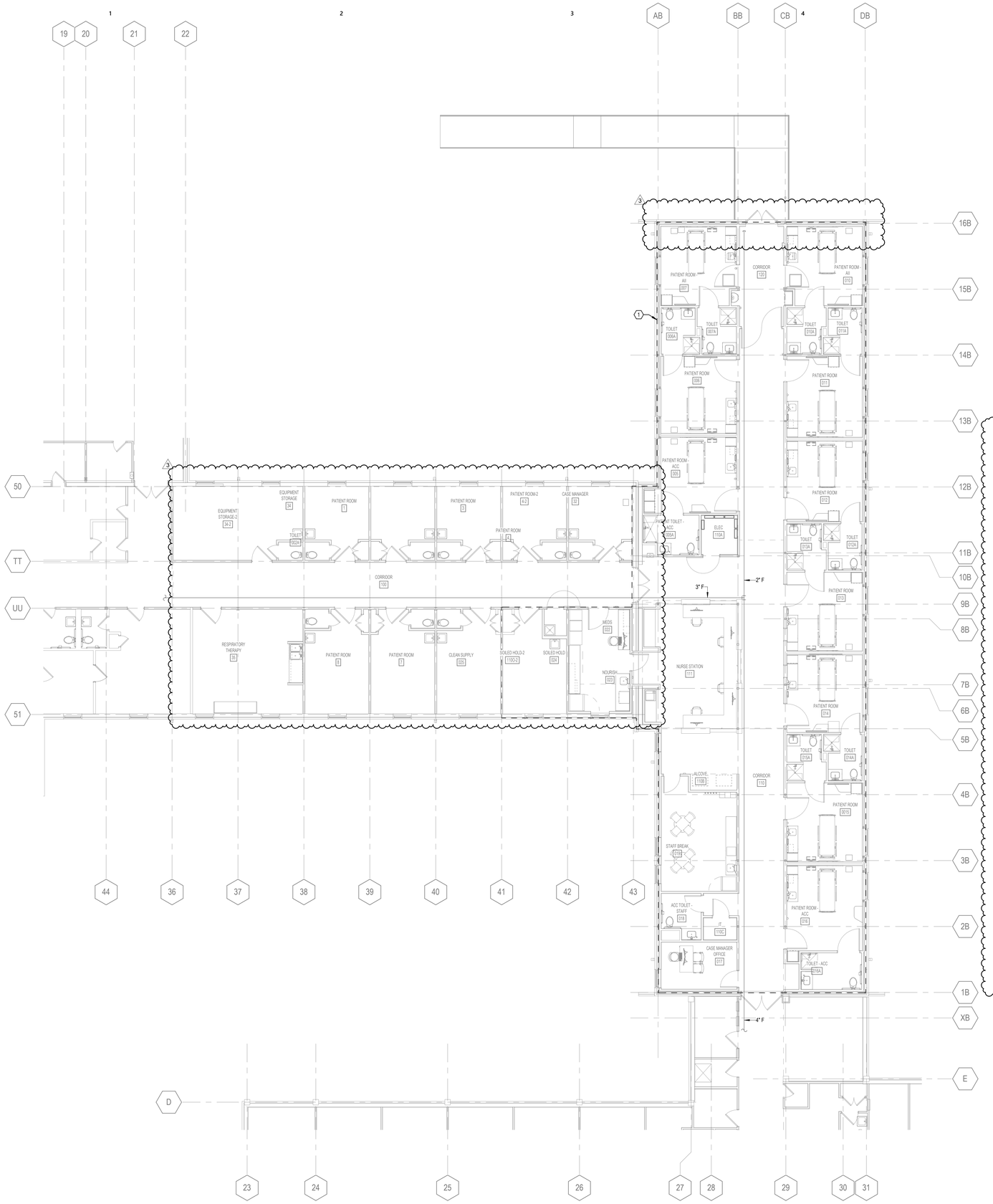

1H FIRE PROTECTION PLAN - FIRST LEVEL
2.701.F 1/8" = 1'-0"

GENERAL NOTES:

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2. 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.
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SHEET NOTES: ⬡

1. PROVIDE NEW SPRINKLER HEADS AND BRANCH FIRE PROTECTION PIPING IN OUTLINED AREA.
2. SCOPE OF WORK IS INCLUDED IN ADD ALTERNATE 1. PROVIDE NEW SPRINKLER HEADS AND BRANCH FIRE PROTECTION PIPING IN OUTLINED AREA.

SPRINKLER NOTE:

THE BUILDING SHALL HAVE A FULLY COMPLIANT FIRE PROTECTION SYSTEM. THE SYSTEM SHALL COMPLY TO ALL APPLICABLE NFPA CODES, STATE AND LOCAL FIRE MARSHAL'S REGULATIONS, AND THE OWNER'S INSURANCE COMPANY AGENCY. THE SPRINKLER CONTRACTOR SHALL PREPARE DOCUMENTS SHOWING ALL PIPES, SIZES, HEAD TYPES, AND LOCATIONS. LAYOUT SHALL BE FULLY COORDINATED WITH ALL OTHER TRADES. DRAWINGS SHALL BE SUBMITTED TO ENGINEER/ARCHITECT FOR REVIEW AND THEN SUBMITTED TO LOCAL AHJ AND OWNER'S INSURANCE AGENCY. CHANGES REQUIRED BY AHJ OR OWNER'S INSURANCE AGENCY SHALL BE RESUBMITTED TO ENGINEER/ARCHITECT. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEW AND COORDINATION OF ALL SPRINKLER ROUTING AND HEAD LOCATIONS. CONFLICTS WITH SPRINKLER PIPE AND ANY OTHER MECHANICAL OR ELECTRICAL SYSTEM SHALL BE RESOLVED THROUGH REROUTING OR RELOCATING SYSTEM COMPONENTS AT NO ADDITIONAL PROJECT COST.

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Southwest Health

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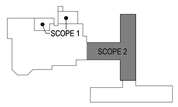

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FIRST LEVEL - FIRE PROTECTION PLAN

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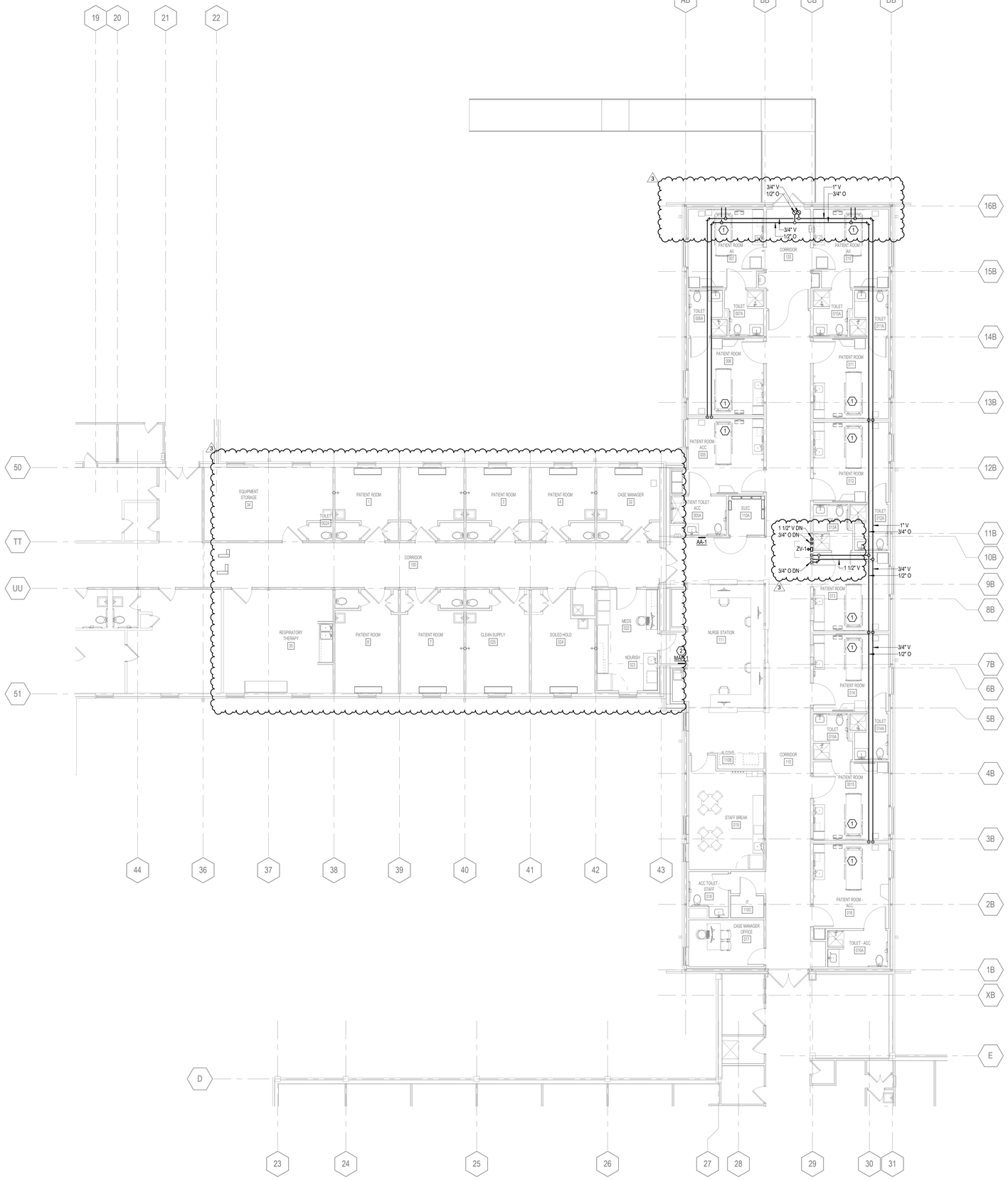

2H 2.701.M MEDICAL GAS PLAN - FIRST LEVEL
1/8" = 1'-0"

GENERAL NOTES:

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SHEET NOTES: ⬡

1. EXTEND MEDICAL GAS PIPING TO MEDICAL GAS OUTLETS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATIONS AND ELEVATIONS. HEADWALL SHALL HAVE TWO MEDICAL OXYGEN OUTLETS AND ONE MEDICAL VACUUM OUTLET. PIPING SIZES TO INDIVIDUAL OUTLETS SHALL BE 1/2" O, 3/4" VAC. PROVIDE ONE VACUUM SLIDE PER VACUUM OUTLET.
2. RECONNECT NEW MEDICAL GAS MASTER ALARM PANEL TO EXISTING SENSORS TO FEED THE EXISTING MASTER ALARM PANEL.

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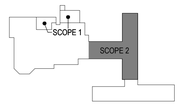

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FIRST LEVEL - MEDICAL GAS PLAN

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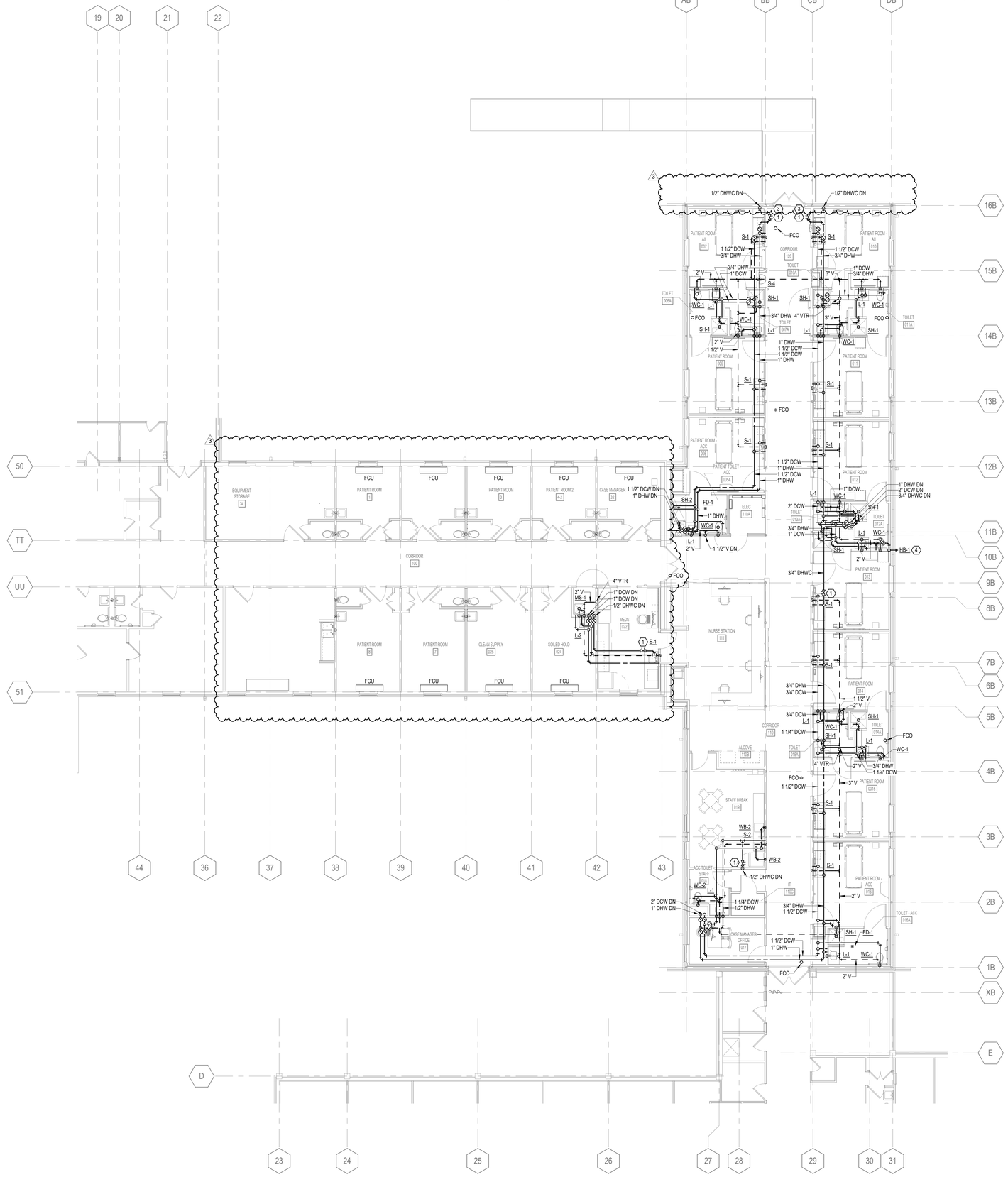

2H PLUMBING PLAN - FIRST LEVEL
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SHEET NOTES:

1. PROVIDE AUTOMATIC FLOW CONTROL. VALVE AND BALANCE TO 0.3 GPM. REFER TO DOMESTIC HOT WATER CIRCULATION DETAIL.
2. EXTEND 3/4" CONDENSATE DRAIN FROM ROOF HYDRANT TO MOP SINK. TERMINATE WITH AIR GAP.
3. INSTALL RECIRCULATION VALVE IN ACCESSIBLE LOCATION IN CORRIDOR.
4. INSTALL EXTERIOR HOSE BIBB LOW IN WALL JUST ABOVE CRAWLSPACE.

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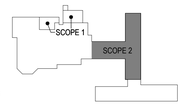

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Sheet Title
FIRST LEVEL - PLUMBING PLAN

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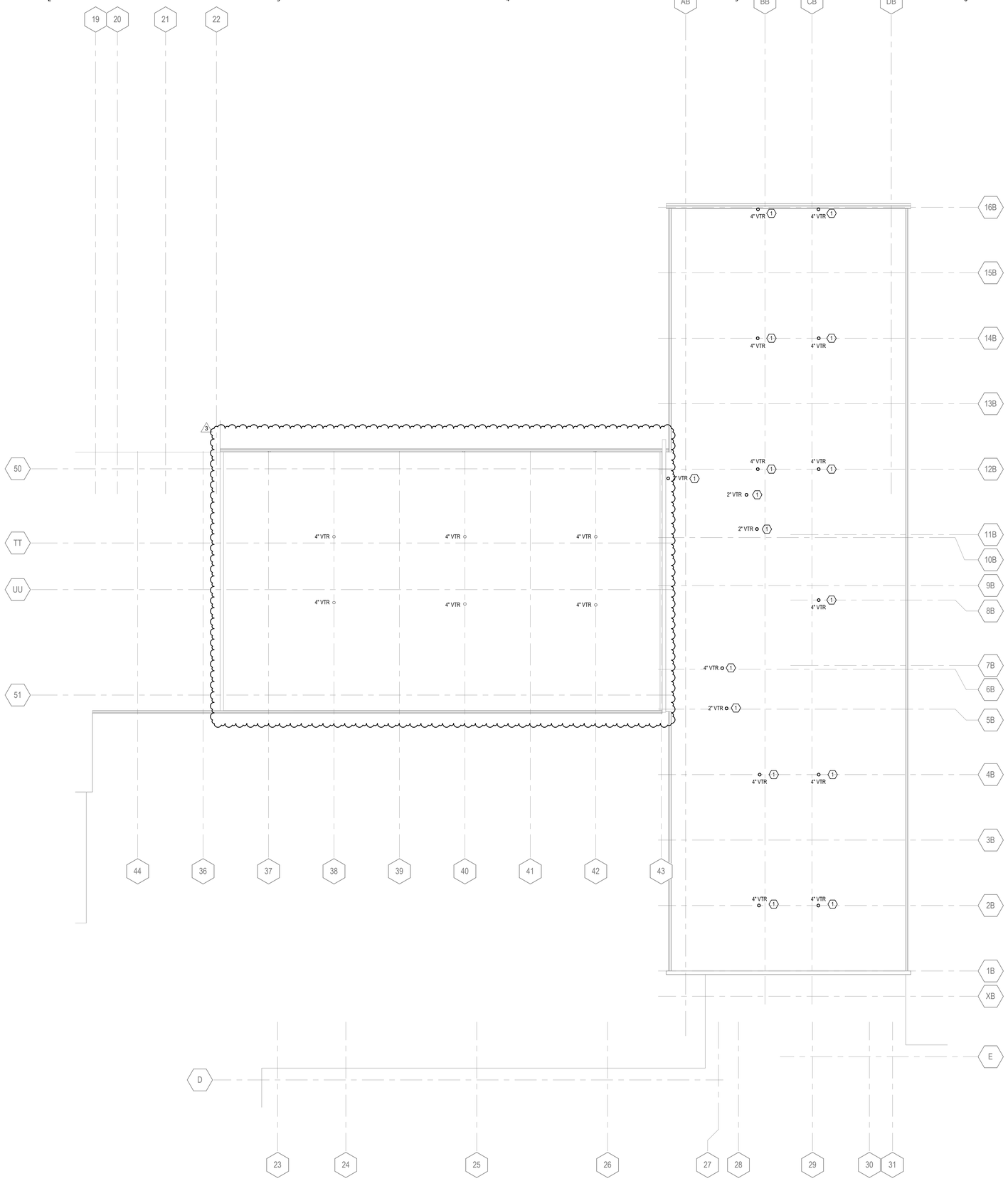

2H PLUMBING DEMOLITION PLAN - ROOF LEVEL
2.702.DP 1/8" = 1'-0"

GENERAL NOTES:

1. MECHANICAL SYMBOLS AND ABBREVIATIONS SHEET GENERAL NOTES APPLY TO ALL SHEETS.
2. 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.
3. UNLESS NOTED OTHERWISE, DETAILS SHOWN WITHIN THESE DOCUMENTS ARE APPLICABLE FOR ALL PIPING, EQUIPMENT AND DUCTWORK INSTALLATIONS WHETHER OR NOT SPECIFICALLY NOTED.
4. 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.

SHEET NOTES:

1. REMOVE EXISTING VENT THROUGH ROOF AND PATCH AND REPAIR OPENING.

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SES PROJECT # 24304.001

Southwest Mississippi Regional Medical Center
Southwest Health

LAWRENCE COUNTY HOSPITAL

INFRASTRUCTURE UPGRADES AND INPATIENT REMODEL

BWBR, P.C.
Scott Kirchner, *Architect*

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20418
STATE OF MISSISSIPPI

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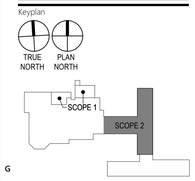

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ROOF LEVEL - PLUMBING DEMOLITION PLAN

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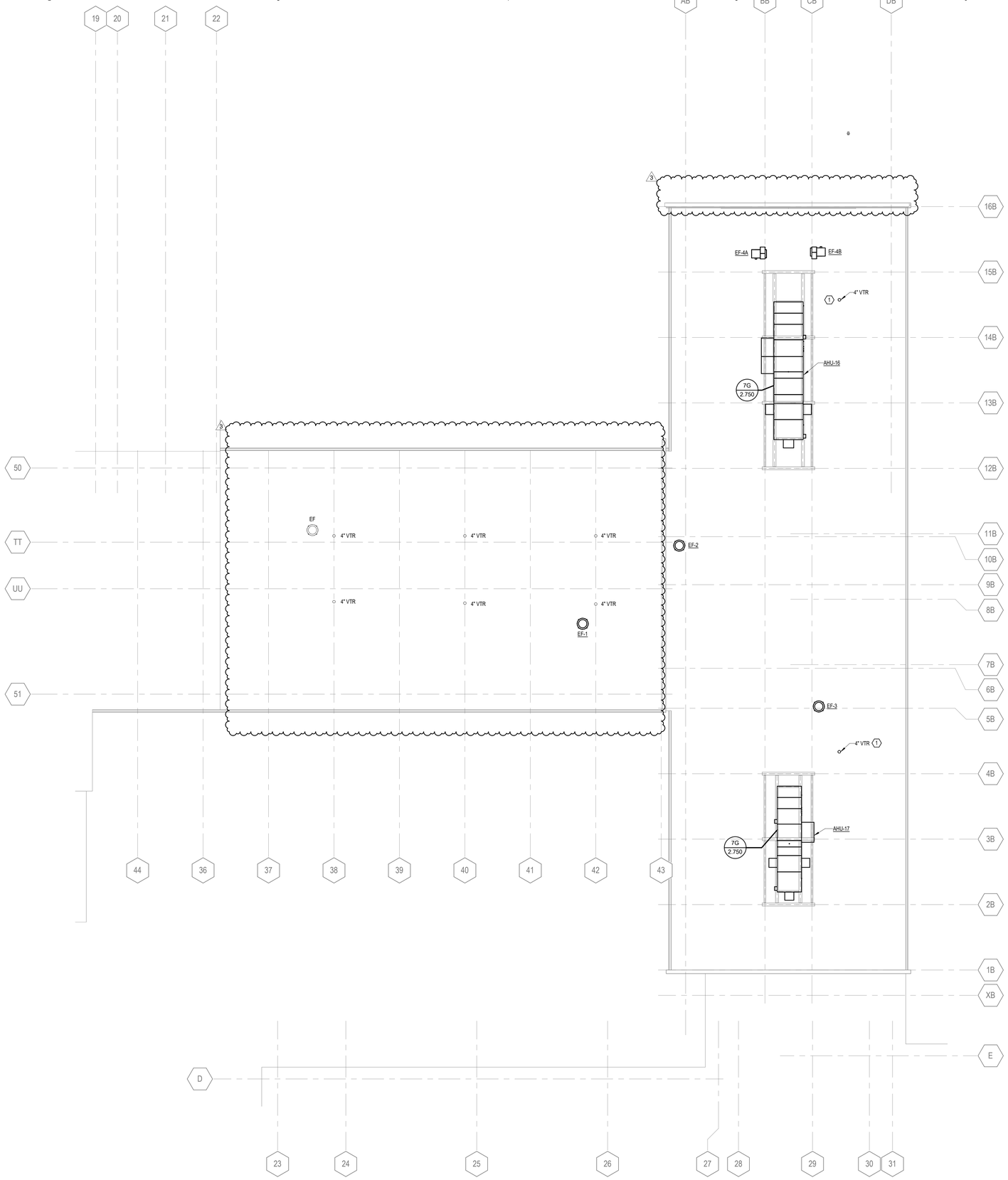

2H 2.702.P PLUMBING PLAN - ROOF LEVEL
1/8" = 1'-0"

GENERAL NOTES:

1. MECHANICAL SYMBOLS AND ABBREVIATIONS SHEET GENERAL NOTES APPLY TO ALL SHEETS.
2. 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.
3. UNLESS NOTED OTHERWISE, DETAILS SHOWN WITHIN THESE DOCUMENTS ARE APPLICABLE FOR ALL PIPING, EQUIPMENT AND DUCTWORK INSTALLATIONS WHETHER OR NOT SPECIFICALLY NOTED.
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SHEET NOTES: ⬡

1. MAINTAIN A MINIMUM OF 25'-0" FROM VENT THROUGH ROOF TO AIR HANDLING UNIT INTAKE.

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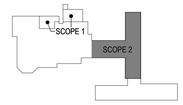
PLAN NORTH



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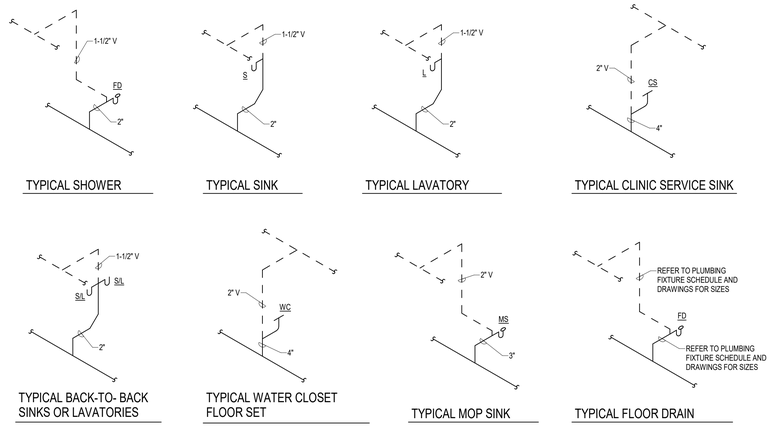
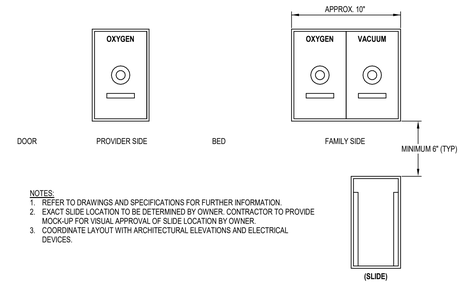


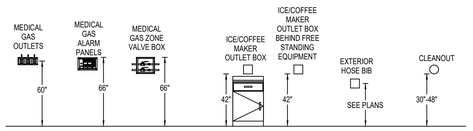
5C / 2.750 TYPICAL PLUMBING ISOMETRICS
NO SCALE



NOTES:
1. REFER TO DRAWINGS AND SPECIFICATIONS FOR FURTHER INFORMATION.
2. EXACT SLIDE LOCATION TO BE DETERMINED BY OWNER. CONTRACTOR TO PROVIDE MOCK-UP FOR VISUAL APPROVAL OF SLIDE LOCATION BY OWNER.
3. COORDINATE LAYOUT WITH ARCHITECTURAL ELEVATIONS AND ELECTRICAL DEVICES.

5E / 2.750 MEDICAL GAS OUTLET INSTALLATION REQUIREMENTS
NO SCALE

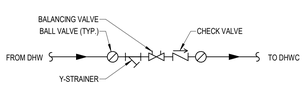
3



A. COORDINATE ELEVATION OF DEVICES WITH ALL ADJACENT DEVICES INCLUDING THOSE WITH OTHER TRADES. ALL DEVICES WHICH HAVE ADA AND NON-ADA HEIGHTS LISTED SHALL BE MOUNTED TO COMPLY WITH ADA EXCEPT WHERE NOTED ON THE PLANS AS NON-ADA.
B. GROUP DEVICES IN AN ORGANIZED AND UNIFORM MANNER.
C. REFER TO ARCHITECTURAL ELEVATIONS FOR ADDITIONAL REQUIREMENTS. WHERE THESE REQUIREMENTS DIFFER FROM THE ARCHITECTURAL PLANS, THE ARCHITECTURAL PLANS SHALL TAKE PRECEDENCE. WHERE DEVICES OR EQUIPMENT ARE SHOWN ON WALLS WHERE THE ARCHITECTURAL ELEVATION INDICATES A SURFACE OTHER THAN THE BASE PAINT FOR THE PROJECT, REQUEST CLARIFICATION ON THE MOUNTING LOCATION OF THE DEVICE OR EQUIPMENT. DEVICES AND EQUIPMENT SHALL NOT BE MOUNTED TO FEATURE WALLS AND WALLS CONSTRUCTED OF MATERIALS OTHER THAN DRYWALL WITHOUT WRITTEN APPROVAL OF THE ARCHITECT.
D. REFER TO ARCHITECTURAL ELEVATIONS FOR ALL PLUMBING FIXTURES.
E. ALL DEVICES SHALL BE COORDINATED SO AS NOT TO INTERRUPT A BACK SPLASH OR MATERIAL TRANSITIONS. REFER TO ARCHITECTURAL ELEVATION TO CONFIRM DEVICE IS NOT LOCATED WITHIN TRANSITION AREA.
F. PROVIDE BACKING IN WALLS WHERE WALL MOUNTED DEVICES OR EQUIPMENT ARE INSTALLED. REFER TO ARCHITECTURAL SPECIFICATIONS.

3H / 2.750 PLUMBING EQUIPMENT MOUNTING HEIGHTS
NO SCALE

3



NOTES:
1. REFER TO DRAWINGS FOR AUTOMATIC FLOW CONTROL FLOW RATE AND PIPE SIZE.

5H / 2.750 DOMESTIC HOT WATER CIRCULATION CONNECTION
NO SCALE

UNIT TYPE	A	B
DRAW THRU	2" + "X"	"X"
BLOW THRU	1" MIN	2"X"

"X" = STATIC PRESSURE IN DRAIN PAN

NOTES:
1. TYPICAL @ EACH AIR HANDLING UNIT DRAIN PAN OR SECTION DRAIN.

7G / 2.750 CONDENSATE DRAIN1
NO SCALE

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Sheet Title
PLUMBING DETAILS

Sheet No.
2.750

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PLUMBING PIPING INSULATION SCHEDULE - SCOPE 2

PIPING SYSTEM FLUID	TEMP. RANGE DEG. F.	THICKNESS IN INCHES FOR PIPE SIZES THROUGH SIZE LISTED					TYPE	JACKET TYPE (2)	NCIIS PLATE NUMBER (1)
		<1	1 - 1.25	1.5 - 3	4 - 6	>/= 8			
INDOOR HOT WATER AND HOT WATER RECIRC	105 - 140	1	1	1.5	1.5	1.5	MF	ASJ-SSL	1-100
INDOOR COLD WATER	40 - 60	0.5	0.5	1	1	1	MF, E	ASJ-SSL	1-100, 1-200
INDOOR CONDENSATE AND EQUIPMENT DRAINS	BELOW 60	0.5	0.5	0.5	0.5	0.5	MF, E	ASJ-SSL	1-100, 1-200

ABBREVIATIONS: MF = MINERAL FIBER/FIBERGLASS, E = ELASTOMERIC, CG = CELLULAR GLASS, ASJ = ALL SERVICE JACKET, SSL = SELF SEALING LAP

REMARKS:
1. NCIIS (NATIONAL COMMERCIAL AND INDUSTRIAL INSULATION STANDARD) PLATE NUMBER REFERENCED ARE PROVIDED TO CLARIFY THE SCOPE OF INSTALLATION. INSTALL INSULATION AND ACCESSORY COMPONENTS PER APPLICABLE NCIIS AND MANUFACTURERS RECOMMENDATIONS.
2. "JACKET TYPE" IS FOR INSULATION ONLY, REFER TO SPECIFICATIONS FOR INSTALLATIONS REQUIRING ADDITIONAL FIELD APPLIED JACKETING SUCH AS METAL OR PVC.

DRAINAGE FIXTURE SCHEDULE - SCOPE 2

MARK	TYPE	IMAGE	DESCRIPTION	VENT SIZE	WASTE SIZE
FD-1	FLOOR DRAIN		FLOOR DRAIN - 5"x5" STAINLESS STEEL ADJUSTABLE TOP WITH SURFACE MEMBRANE CLAMP WHERE REQUIRED. CAST IRON BODY, FLASHING COLLAR, DEEP SEAL TRAP. OUTLET SIZE AS INDICATED ON DRAWINGS. J.R. SMITH MODEL 2005SS OR APPROVED EQUAL.	1-1/2"	2"

REMARKS:
1. CONTRACTOR SHALL COORDINATE ALL FIXTURES WITH OTHER TRADES. ANY CONFLICTS OR ADJUSTMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER.
2. COORDINATE DRAIN GRATE WITH FLOOR SLOPING AND FLOORING PATTERN FOR ALL FLOOR DRAINS, FLOOR SINKS, AND TRENCH DRAINS. DRAIN SHALL BE SET SUCH THAT DRAIN GRATE IS FLUSH WITH FINISHED FLOOR SURFACE AND COORDINATED WITH PATTERN. REFER TO ARCHITECTURAL PLANS AND DETAILS FOR ADDITIONAL INFORMATION.

ALARM PANEL SCHEDULE

MARK	ZONE VALVES SERVED 3	V	O	A	REMARKS
AA-1	ZV-1	X	X		(1)(2)
MAP-1		X	X	X	(1)(2)

REMARKS:
1. CONTRACTOR SHALL PROVIDE ANY AND ALL NECESSARY INTERCONNECTIONS FOR A COMPLETE AND OPERABLE SYSTEM. INTERCONNECTIONS MAY INCLUDE BUT ARE NOT LIMITED TO POWER WIRING, COMMUNICATIONS WIRING, PIPING, SUPPORTS, ETC.
2. CONTRACTOR SHALL PROVIDE ALL APPURTENANCES REQUIRED FOR A COMPLETE OPERATING AND NFPA 99 COMPLIANT SYSTEM. APPURTENANCES INCLUDE BUT ARE NOT LIMITED TO SENSORS, DEMAND CHECK VALVES, GAUGES, IDENTIFICATION LABELS, ETC. REFER TO PLANS, DETAILS, AND SPECIFICATIONS FOR FURTHER INFORMATION.

3

ZONE VALVE SCHEDULE

MARK	ROOMS SERVED	V	O	A	REMARKS
ZV-1	NORTH AND SOUTH WINGS	1 1/2	3/4		(1)(2)

REMARKS:
1. CONTRACTOR SHALL PROVIDE ANY AND ALL NECESSARY INTERCONNECTIONS FOR A COMPLETE AND OPERABLE SYSTEM. INTERCONNECTIONS MAY INCLUDE BUT ARE NOT LIMITED TO PIPING, SUPPORTS, ETC.
2. CONTRACTOR SHALL PROVIDE ALL APPURTENANCES REQUIRED FOR A COMPLETE OPERATING AND NFPA 99 COMPLIANT SYSTEM. APPURTENANCES INCLUDE BUT ARE NOT LIMITED TO SENSORS, DEMAND CHECK VALVES, GAUGES, IDENTIFICATION LABELS, ETC. REFER TO PLANS, DETAILS, AND SPECIFICATIONS FOR FURTHER INFORMATION.

PLUMBING FIXTURE SCHEDULE

MARK	TYPE	IMAGE	DESCRIPTION	PIPING CONNECTIONS COLD WATER	HOT WATER	WASTE	VENT
HB-1	EXTERIOR HOSE BIBB		HOSE BIBB - FREEZELESS WALL HYDRANT, AUTOMATIC DRAINING, VACUUM BREAKER, 3/4" MALE HOSE THREAD. BRASS VALVE BODY AND SEAT, STAINLESS STEEL STEM, CHROME FINISH, WALL CLAMP. FURNISH TWO KEY OPERATORS. ASSE 1019 APPROVED AND LISTED. WOODFORD MODEL 65 OR APPROVED EQUAL.	3/4"	-	-	-
L-1	LAVATORY		BOWL - SOLID SURFACE SINK BY ARCHITECT. PROVIDE CHROME PLATED, CAST BRASS P-TRAP WITH CLEANOUT AND TRAP INSULATION KIT ON ALL EXPOSED SINKS. PROVIDE FLAT TOP STRAINER. TRIM - TWO HANDLE MIXING FAUCET, CHROME PLATED, RIGID, PLAIN-END GOOSENECK SPOUT WITH 5.25" REACH AND PRESSURE COMPENSATING LAMINAR FLOW INSERT IN SPOUT INLET, 4" WRIST BLADE HANDLES AT 4" CENTERS. 1.5 GPM. PROVIDE CHROME PLATED BRASS LOOSE KEY STOPS, STAINLESS STEEL SUPPLIES, AND STOP VALVE AND SUPPLY LINE INSULATION KIT ON ALL EXPOSED SINKS. CHICAGO FAUCET MODEL 895-317GN2FCAB OR APPROVED EQUAL.	1/2"	1/2"	2"	1-1/2"
L-2	WALL HUNG LAVATORY		BOWL - WALL MOUNTED, WHITE VITREOUS CHINA, 4" HIGH CONTOURED BACKSPLASH, 20"x18" OVERALL SIZE. 4" CENTERS, DRILLED FOR CONCEALED ARM CARRIER. PROVIDE CONCEALED SUPPORT CARRIER AND BOLT SECURELY TO FLOOR. PROVIDE CHROME PLATED, CAST BRASS P-TRAP WITH CLEANOUT, GRID STRAINER, AND TRAP INSULATION KIT. INSTALL IN COMPLIANCE WITH ADA. AMERICAN STANDARD MODEL 0355.012 OR APPROVED EQUAL. TRIM - TWO HANDLE MIXING FAUCET, CHROME PLATED, RIGID, PLAIN-END GOOSENECK SPOUT WITH 5.25" REACH AND PRESSURE COMPENSATING LAMINAR FLOW INSERT IN SPOUT INLET, 4" WRIST BLADE HANDLES AT 4" CENTERS. 1.5 GPM. PROVIDE CHROME PLATED BRASS LOOSE KEY STOPS, STAINLESS STEEL SUPPLIES, AND STOP VALVE AND SUPPLY LINE INSULATION KIT ON ALL EXPOSED SINKS. CHICAGO FAUCET MODEL 895-317GN2FCAB OR APPROVED EQUAL.	1/2"	1/2"	2"	1-1/2"
MS-1	MOP SINK		BOWL - WHITE MOLDED STONE, 24"x24"x10", STAINLESS STEEL DRAIN WITH FLAT TOP STRAINER AND LINT BASKET, STAINLESS STEEL BUMPER GUARD ON EXPOSED SIDES, MOP HANGER, HOSE AND HOSE BRACKET, DEEP SEAL TRAP. CAULK BETWEEN MOP BASIN AND WALL WITH SILICONE BASED CAULK. FIAT MODEL MSB-2424 OR APPROVED EQUAL. TRIM - TWO HANDLE MIXING FAUCET, CHROME PLATED, 7 1/2" RIGID SPOUT WITH 3/4" MALE HOSE THREAD CONNECTION AND INTEGRAL ATMOSPHERIC VACUUM BREAKER, 6" ELBOW BLADE HANDLES AT 8" CENTERS. PROVIDE WALL BRACE, PAIL HOOK, AND INTEGRAL STOPS. CHICAGO FAUCET MODEL 815-VBCP OR APPROVED EQUAL. PROVIDE THERMOSTAT MIXING VALVE WITH 3/4" REDUCED PRESSURE ZONE VALVE BACKFLOW PREVENTER DOWNSTREAM ADJACENT TO MOP SINK FOR CHEMICAL DISPENSER CONNECTION. PROVIDE VALVE ON OUTLET OF BACKFLOW PREVENTER TO CONTROL FLOW TO CHEMICAL FEEDER. PROVIDE AIR GAP FITTING ON RPZ DRAIN TO MOP SINK FOR DISCHARGE.	3/4"	3/4"	3"	1-1/2"
S-1	SINK		BOWL - SOLID SURFACE SINK BY ARCHITECT. PROVIDE CHROME PLATED, CAST BRASS P-TRAP WITH CLEANOUT AND TRAP INSULATION KIT ON ALL EXPOSED SINKS. PROVIDE FLAT TOP STRAINER. TRIM - TWO HANDLE MIXING FAUCET, CHROME PLATED, RIGID, PLAIN-END GOOSENECK SPOUT WITH 5.25" REACH AND PRESSURE COMPENSATING LAMINAR FLOW INSERT IN SPOUT INLET, 4" WRIST BLADE HANDLES AT 8" CENTERS. 1.5 GPM. PROVIDE CHROME PLATED BRASS LOOSE KEY STOPS, STAINLESS STEEL SUPPLIES, AND STOP VALVE AND SUPPLY LINE INSULATION KIT ON ALL EXPOSED SINKS. CHICAGO FAUCET MODEL 786-GN2AFCABCP OR APPROVED EQUAL.	1/2"	1/2"	2"	1-1/2"
S-2	BREAKROOM SINK		BOWL - SOLID SURFACE SINK BY ARCHITECT. PROVIDE CHROME PLATED, CAST BRASS P-TRAP WITH CLEANOUT AND TRAP INSULATION KIT ON ALL EXPOSED SINKS. PROVIDE FLAT TOP STRAINER. TRIM - TWO HANDLE MIXING FAUCET, CHROME PLATED, RIGID, PLAIN-END GOOSENECK SPOUT WITH 5.25" REACH AND PRESSURE COMPENSATING LAMINAR FLOW INSERT IN SPOUT INLET, 4" WRIST BLADE HANDLES AT 8" CENTERS. 1.5 GPM. PROVIDE CHROME PLATED BRASS LOOSE KEY STOPS, STAINLESS STEEL SUPPLIES, AND STOP VALVE AND SUPPLY LINE INSULATION KIT ON ALL EXPOSED SINKS. CHICAGO FAUCET MODEL 786-GN2AFCABCP OR APPROVED EQUAL.	1/2"	1/2"	2"	1-1/2"
S-4	INFECTIOUS SINK		BOWL - WALL MOUNTED, NON-POROUS SOLID SURFACE POLYMER RESIN BOWL WITH ANTIMICROBIAL ADDITIVE. 21-1/4" WIDE, 15" DEEP, AND 27" TALL. DRILLED FOR CONCEALED ARM CARRIER. PROVIDE CONCEALED SUPPORT CARRIER AND BOLT SECURELY TO FLOOR. PROVIDE CHROME PLATED, CAST BRASS P-TRAP WITH HIGH IMPACT POLYMER TRAP COVER TO CONCEAL PIPING AND GRID STRAINER. WHITEHALL MODEL 4150 OR APPROVED EQUAL. TRIM - TWO HANDLE MIXING FAUCET, CHROME PLATED, RIGID, PLAIN-END GOOSENECK SPOUT WITH 5.25" REACH AND LAMINAR FLOW SPOUT, 4" WRIST BLADE HANDLES AT 4" CENTERS. 1.5 GPM. PROVIDE CHROME PLATED BRASS LOOSE KEY STOPS, STAINLESS STEEL SUPPLIES, AND STOP VALVE. WHITEHALL CSG OR APPROVED EQUAL.	1/2"	1/2"	2"	1-1/2"
SH-1	SIDE TRANSFER SHOWER		ENCLOSURE – 36"x36" ADA COMPLIANT SHOWER PAN, MOLDED, ONE-PIECE GELCOAT/FIBERGLASS PAN, BEVELED 5/8" THRESHOLD, WHITE FINISH. SLOPED TO CENTER DRAIN. PROVIDE PAN WITH CUSTOM DRAIN LOCATION IF CENTER DRAIN INTERFERES WITH EXISTING STRUCTURE. PROVIDE DRAIN AS CLOSE TO CENTER OF PAN AS POSSIBLE. PROVIDE WITH T-SHAPED RUBBER WATER STOPPER. BEST BATH 4LSS4036AST OR APPROVED EQUAL. ACCESSORIES – PROVIDE WITH GRAB BARS AND FOLDING SEAT. DRAIN – STAINLESS STEEL STRAINER DRAIN WITH 4-1/4" OUTER DIAMETER. NO CAULK OUTLET. PROFLO PF140NC OR APPROVED EQUAL. SHOWER – SINGLE HANDLE PRESSURE BALANCED MIXING FAUCET. ADJUSTABLE SPRAY HANDHELD SHOWER, BRASS OR BRONZE CONSTRUCTION, SWIVEL CONNECTIOR, 60" METAL HOSE. PROVIDE WITH METAL LEVER HANDLE, OFF-COLD-HOT TEMPERATURE RANGE INDICATOR DIAL, ADJUSTABLE TEMPERATURE LIMIT STOP SET TO 110°F, 36" GRAB BAR, WASHERLESS DESIGN, INTEGRAL CHECK STOPS, BRASS SUPPLY ELBOW WITH FLANGE, AND ELEVATED VACUUM BREAKER WITH PIPING AND FLANGES. ALL CHROME PLATED. INSTALL IN COMPLIANCE WITH ADA. MAXIMUM FLOW TO BE 1.5 GPM. AMERICAN STANDARD MODEL TU662.211 OR APPROVED EQUAL.	1/2"	1/2"	2"	1-1/2"
SH-2	ROLL IN SHOWER		ENCLOSURE – 63"x32" ADA COMPLIANT SHOWER PAN, MOLDED, ONE-PIECE GELCOAT/FIBERGLASS PAN, BEVELED 5/8" THRESHOLD, WHITE FINISH. SLOPED TO CENTER DRAIN. PROVIDE PAN WITH CUSTOM DRAIN LOCATION IF CENTER DRAIN INTERFERES WITH EXISTING STRUCTURE. PROVIDE DRAIN AS CLOSE TO CENTER OF PAN AS POSSIBLE. PROVIDE WITH T-SHAPED RUBBER WATER STOPPER. BEST BATH 4LSS2633TA7SB OR APPROVED EQUAL. ACCESSORIES – PROVIDE WITH GRAB BARS AND FOLDING SEAT. DRAIN – STAINLESS STEEL STRAINER DRAIN WITH 4-1/4" OUTER DIAMETER. NO CAULK OUTLET. PROFLO PF140NC OR APPROVED EQUAL. SHOWER – SINGLE HANDLE PRESSURE BALANCED MIXING FAUCET. ADJUSTABLE SPRAY HANDHELD SHOWER, BRASS OR BRONZE CONSTRUCTION, SWIVEL CONNECTIOR, 60" METAL HOSE. PROVIDE WITH METAL LEVER HANDLE, OFF-COLD-HOT TEMPERATURE RANGE INDICATOR DIAL, ADJUSTABLE TEMPERATURE LIMIT STOP SET TO 110°F, 36" GRAB BAR, WASHERLESS DESIGN, INTEGRAL CHECK STOPS, BRASS SUPPLY ELBOW WITH FLANGE, AND ELEVATED VACUUM BREAKER WITH PIPING AND FLANGES. ALL CHROME PLATED. INSTALL IN COMPLIANCE WITH ADA. MAXIMUM FLOW TO BE 1.5 GPM. AMERICAN STANDARD MODEL TU662.211 OR APPROVED EQUAL.	1/2"	1/2"	2"	1-1/2"
WB-2	WATER WALL BOX		WALL BOX - RECESSED. STEEL ENCLOSURE. WHITE POWDER COAT, QUARTER TURN BALL VALVE WITH SWEAT CONNECTION. GUY GRAY MODEL MB1 OR APPROVED EQUAL.	1/2"	-	-	-
WC-1	PATIENT WATER CLOSET		ACCESSIBLE WATER CLOSET - FLOOR MOUNTED, BOTTOM DISCHARGE FLUSH VALVE TYPE, WHITE VITREOUS CHINA, SIPHON JET, WATER SAVING, ELONGATED BOWL, 1 1/2" TOP SPUD, BEDPAN LUGS. AMERICAN STANDARD 3248.001 OR APPROVED EQUAL. ACCESSIBLE FLUSH VALVE - EXPOSED, MANUAL OPERATED WITH BEDPAN WASHER, CHROME PLATED, 1" I.P.S. SCREWDRIVER STOP-CHECK VALVE, CHEMICAL RESISTANT MATERIAL, VACUUM BREAKER, WALL AND SPUD FLANGES, 1.6 GPF. FLUSH HANDLE SHALL BE LOCATED ON THE WIDE SIDE OF THE TOILET. PROVIDE WITH OFFSET AS REQUIRED TO ACCOMMODATE GRAB BAR INSTALLATION. CONTRACTOR TO PROVIDE A MOCK-UP OF THE ASSEMBLY FOR OWNER AND USER APPROVAL PRIOR TO PURCHASING. SLOAN ROYAL MODEL BPW 1150-1.6-OFST OR APPROVED EQUAL. SEAT - WHITE, EXTRA HEAVY DUTY OPEN FRONT INJECTION MOLDED SOLID PLASTIC SEAT WITH SELF-SUSTAINING CHECK HINGE AND STAINLESS STEEL POSTS AND NUTS, AND ANTIMICROBIAL COATING. BEMIS MODEL 1655SSCT OR APPROVED EQUAL.	1/2"	1/2"	4"	2"
WC-2	STAFF WATER CLOSET		ACCESSIBLE WATER CLOSET - FLOOR MOUNTED, BOTTOM DISCHARGE FLUSH VALVE TYPE, WHITE VITREOUS CHINA, SIPHON JET, WATER SAVING, ELONGATED BOWL, 1 1/2" TOP SPUD. AMERICAN STANDARD 3043.001 OR APPROVED EQUAL. FLUSH VALVE - EXPOSED, MANUAL OPERATED, CHROME PLATED, 1" I.P.S. SCREWDRIVER STOP-CHECK VALVE, CHEMICAL RESISTANT MATERIAL, VACUUM BREAKER, WALL AND SPUD FLANGES, 1.6 GPF. 3 YEAR WARRANTY. FLUSH HANDLE SHALL BE LOCATED ON THE WIDE SIDE OF THE TOILET AND SHALL BE 12" MAXIMUM ABOVE BOWL RIM AND OPERATE WITH NO GREATER THAN 5 LB FORCE IN COMPLIANCE WITH ADA. CONTRACTOR TO VERIFY EQUIPMENT REQUIREMENTS AND ROUGH-IN LOCATIONS. SLOAN ROYAL MODEL 111-1.6 OR APPROVED EQUAL. SEAT - WHITE, EXTRA HEAVY DUTY OPEN FRONT INJECTION MOLDED SOLID PLASTIC SEAT WITH SELF-SUSTAINING CHECK HINGE AND STAINLESS STEEL POSTS AND NUTS, AND ANTIMICROBIAL COATING. BEMIS MODEL 1655SSCT OR APPROVED EQUAL.	1/2"	1/2"	4"	2"

REMARKS:
1. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR ADDITIONAL REQUIREMENTS, ROUGH IN DIMENSIONS, AND COORDINATION OF ACCESSORIES. FIXTURE MOUNTING LOCATIONS AND OPERATION OF FIXTURE SHALL NOT INTERFERE WITH ADJACENT ACCESSORIES OR THEIR OPERATION.
2. CONTRACTOR SHALL COORDINATE ALL FIXTURES WITH OTHER TRADES. ANY CONFLICTS OR ADJUSTMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER.
3. COORDINATE SINK BASINS AND DRAIN OUTLETS WITH CASEWORK AND KNEE GUARDS. PROVIDE OFFSET TAILPIECES AS REQUIRED TO ACCOMMODATE INSTALLATION AND COMPLY WITH ADA REQUIREMENTS.
4. COORDINATE FLUSH VALVE INSTALLATION WITH GRAB BARS IN ALL LOCATIONS.
5. COORDINATE MOUNTING OF FAUCET SPOUTS WITH BASINS. FAUCET SHALL NOT DISCHARGE DIRECTLY INTO BASIN DRAIN AND SHALL PROVIDE SUFFICIENT CLEARANCE BETWEEN STREAM AND BASIN TO ALLOW FOR UNOBSTRUCTED HAND WASHING WITHOUT CONTACT WITH THE BASIN. CONTRACTOR SHALL OBTAIN AND COORDINATE WITH SHOP DRAWINGS FROM COUNTER AND CASEWORK MANUFACTURERS.
6. COORDINATE DRAIN GRATE WITH FLOOR SLOPING AND FLOORING PATTERN FOR ALL FLOOR DRAINS, FLOOR SINKS, AND TRENCH DRAINS. DRAIN SHALL BE SET SUCH THAT DRAIN GRATE IS FLUSH WITH FINISHED FLOOR SURFACE AND COORDINATED WITH PATTERN. REFER TO ARCHITECTURAL PLANS AND DETAILS FOR ADDITIONAL INFORMATION.

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SES PROJECT # 24304.001

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Southwest Health

LAWRENCE COUNTY HOSPITAL

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Sheet Title
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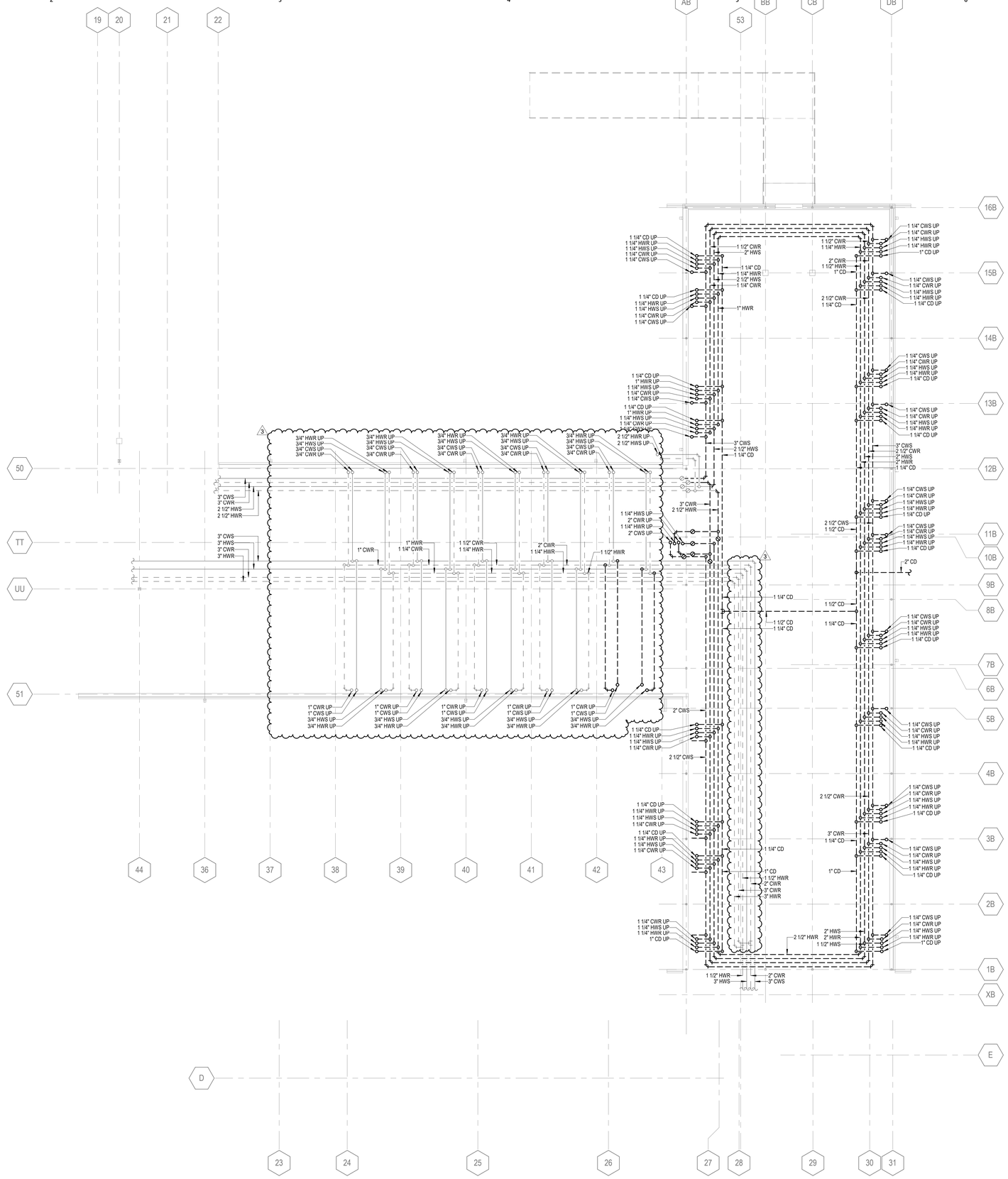

2H MECHANICAL DEMOLITION PLAN - CRAWL SPACE
2.800.DH 1/8" = 1'-0"

GENERAL NOTES:

1. MECHANICAL SYMBOLS AND ABBREVIATIONS SHEET GENERAL NOTES APPLY TO ALL SHEETS.
2. 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.
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SES PROJECT # 24304.001

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Southwest Health

LAWRENCE COUNTY HOSPITAL

INFRASTRUCTURE UPGRADES AND INPATIENT REMODEL

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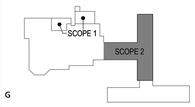

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Sheet Title
CRAWL SPACE - MECHANICAL DEMOLITION PLAN

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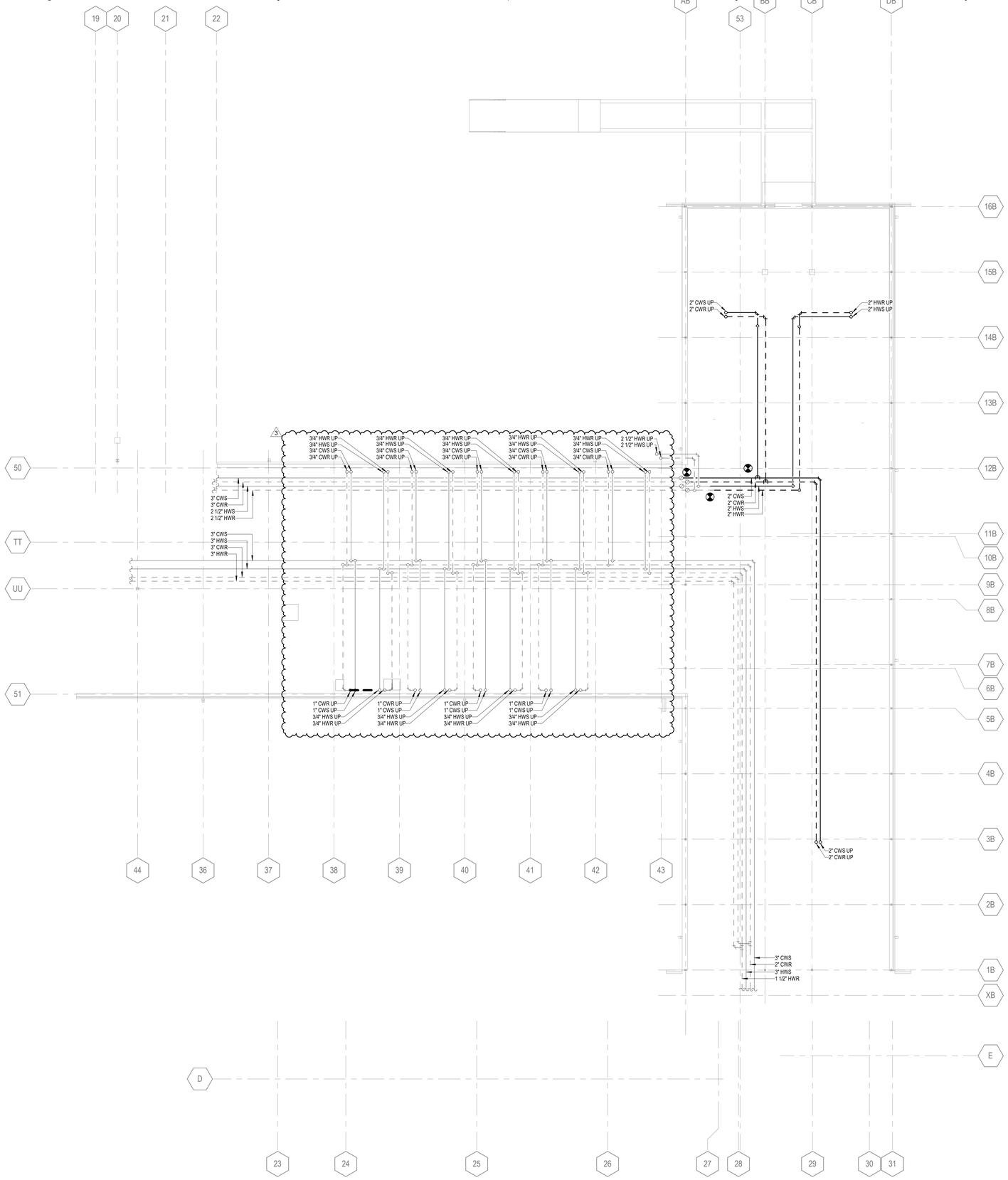

2H HYDRONIC PIPING PLAN - CRAWL SPACE
2.800.P / 1/8" = 1'-0"

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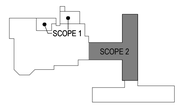

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CRAWL SPACE - HYDRONIC PIPING PLAN

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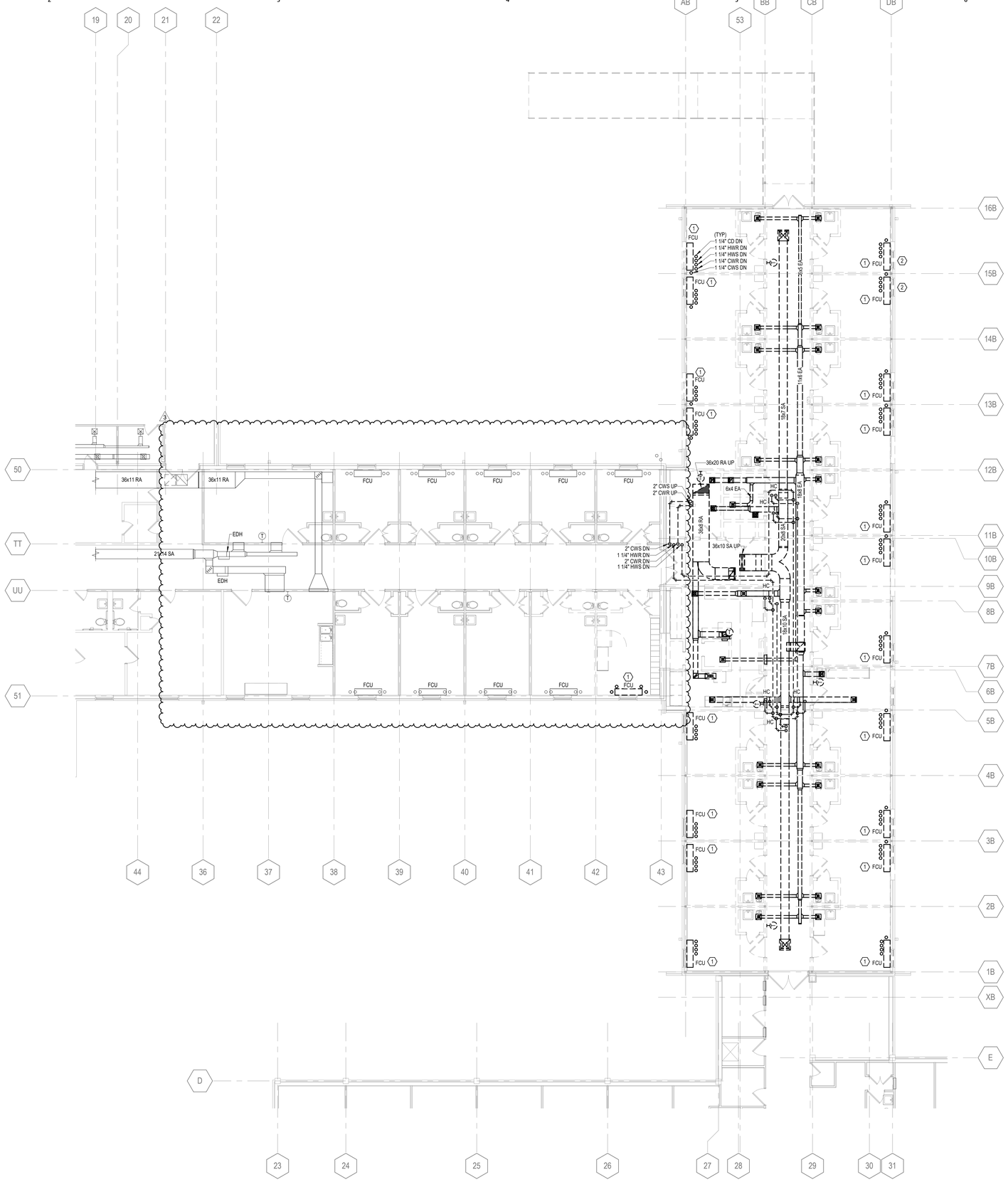

2H MECHANICAL DEMOLITION PLAN - FIRST LEVEL
2.801.DH 1/8" = 1'-0"

GENERAL NOTES:

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SHEET NOTES:

1. REMOVE EXISTING FAN COIL UNIT AND ALL ASSOCIATED PIPING. REMOVE ASSOCIATED WALL MOUNTED THERMOSTAT AND ASSOCIATED WIRING. REMOVE EXTERIOR OUTSIDE AIR INTAKE LOUVER. PATCH AND REPAIR EXTERIOR WALL.
2. REMOVE EXISTING WALL FAN AND ALL ASSOCIATED ACCESSORIES.

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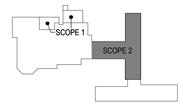

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FIRST LEVEL - MECHANICAL DEMOLITION PLAN

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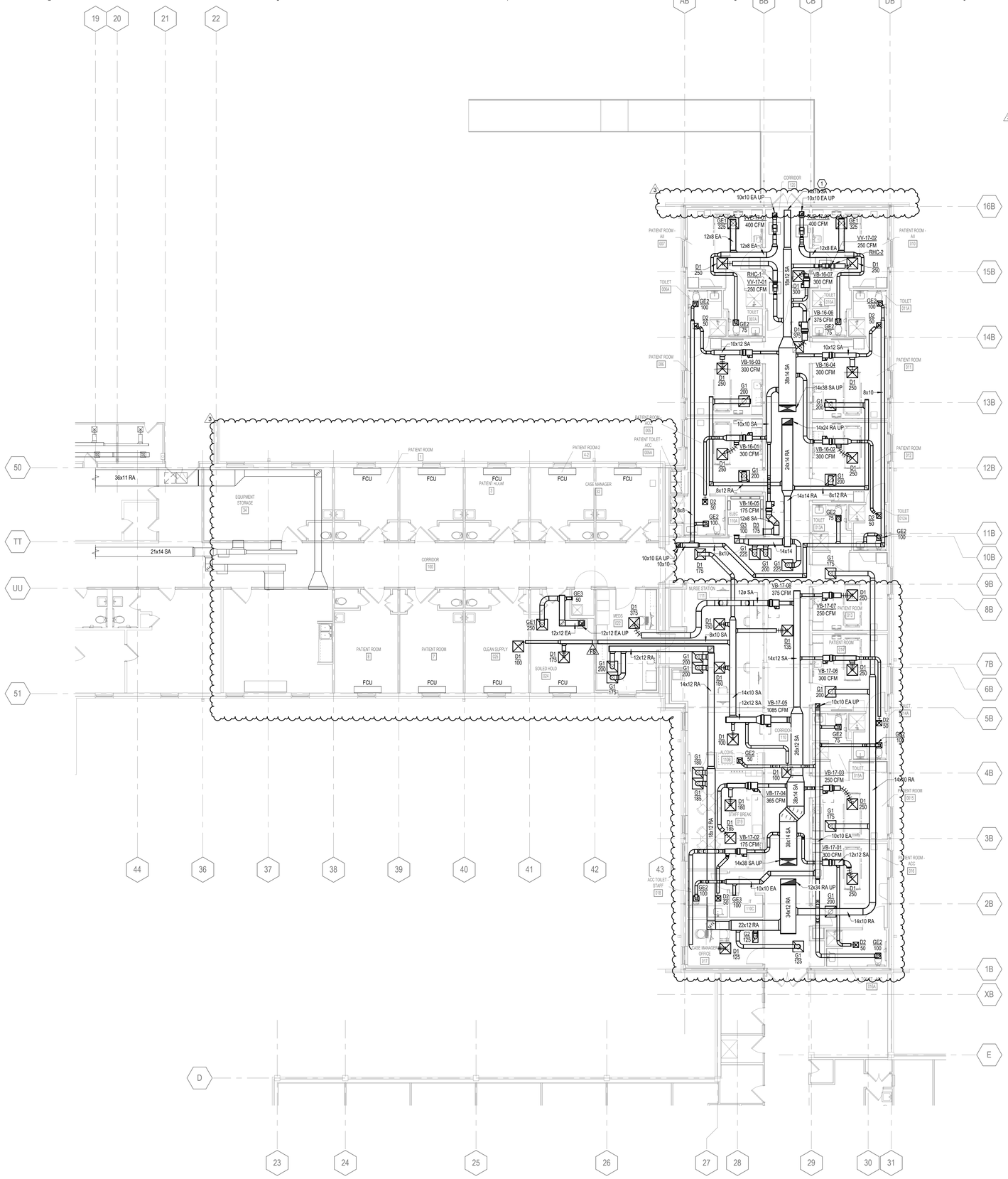

2H 2.801.H DUCTWORK PLAN - FIRST LEVEL
1/8" = 1'-0"

GENERAL NOTES:

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5. 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.

SHEET NOTES:

1. CAP 14x10 SA FOR FUTURE ADDITION.

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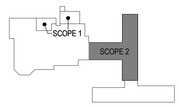

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FIRST LEVEL - DUCTWORK PLAN

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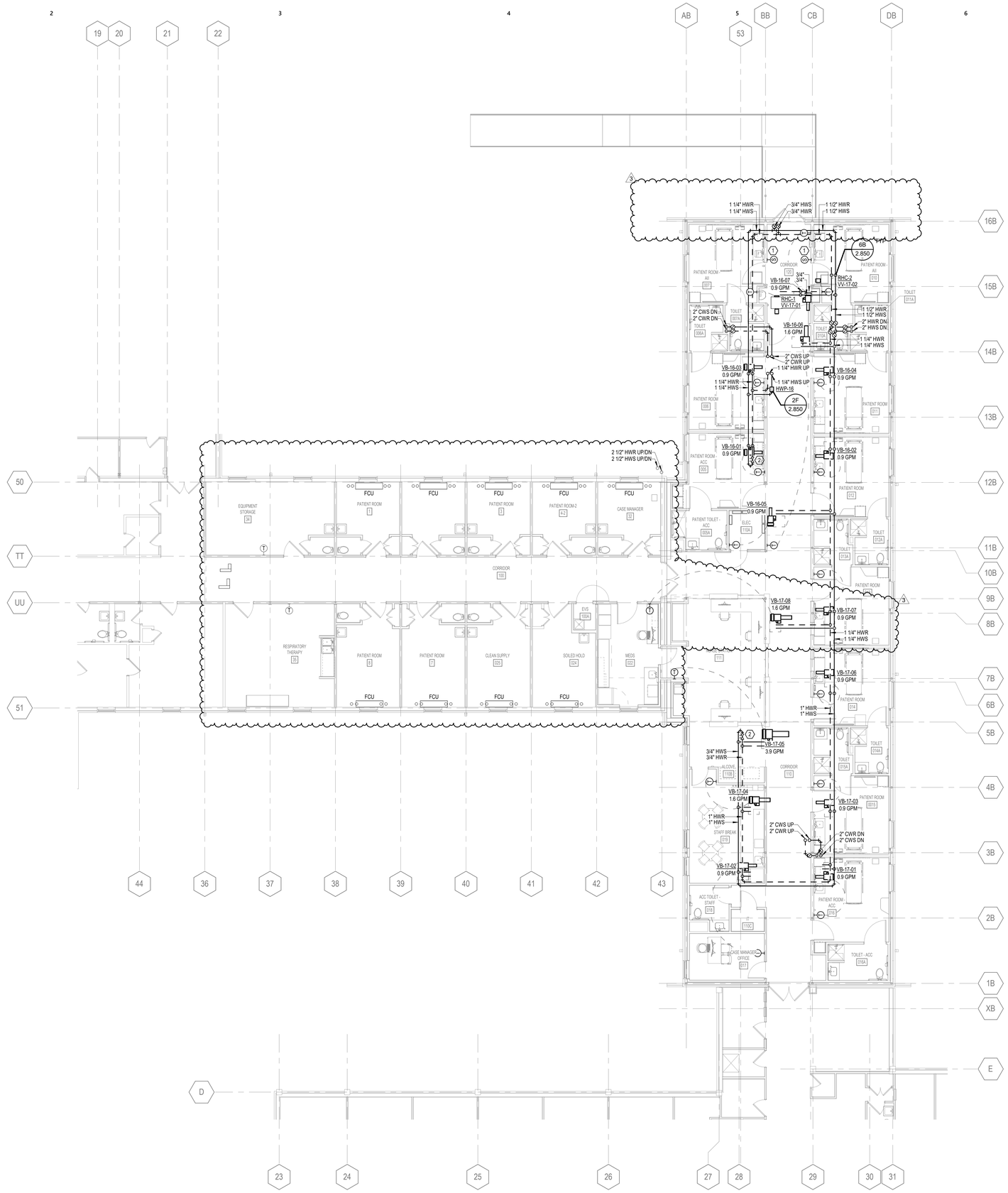

2H HYDRONIC PIPING PLAN - FIRST LEVEL
2.801.P 1/8" = 1'-0"

GENERAL NOTES:

1. MECHANICAL SYMBOLS AND ABBREVIATIONS SHEET GENERAL NOTES APPLY TO ALL SHEETS.
2. 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.
3. UNLESS NOTED OTHERWISE, DETAILS SHOWN WITHIN THESE DOCUMENTS ARE APPLICABLE FOR ALL PIPING, EQUIPMENT AND DUCTWORK INSTALLATIONS WHETHER OR NOT SPECIFICALLY NOTED.
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5. EXTEND AND CONNECT HWS/R BRANCH PIPING TO EACH VAV BOX. 3/4" FOR LESS THAN 4 GPM AND 1" FOR 4 GPM TO 8 GPM.

SHEET NOTES:

1. PROVIDE DIFFERENTIAL PRESSURE MONITOR EQUAL TO ANTEC #PMT. UNIT SHALL INTERFACE WITH REMOTE PRESSURE MONITOR TRANSMITTER EQUAL TO ANTEC #SRPS. SENSOR PLATES SHALL BE STAINLESS STEEL. UNIT SHALL DISPLAY ROOM PRESSURE. PROVIDE WITH DOOR CONTACTS SWITCH. PROVIDE TRANSFORMER AS REQUIRED FOR POWER TO UNIT.
2. PROVIDE 0.5 GPM AUTOMATIC BALANCING VALVE WITH ISOLATION VALVES. PIPE SIZES SHALL BE 3/4" UNLESS OTHERWISE NOTED.

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SES PROJECT # 24304.001

Southwest Mississippi Regional Medical Center
Southwest Health

LAWRENCE COUNTY HOSPITAL

INFRASTRUCTURE UPGRADES AND INPATIENT REMODEL

BWBR, P.C.
Scott Kirchner, *Architect*
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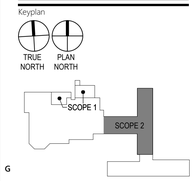
Keyplan



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Sheet Title
FIRST LEVEL - HYDRONIC PIPING PLAN

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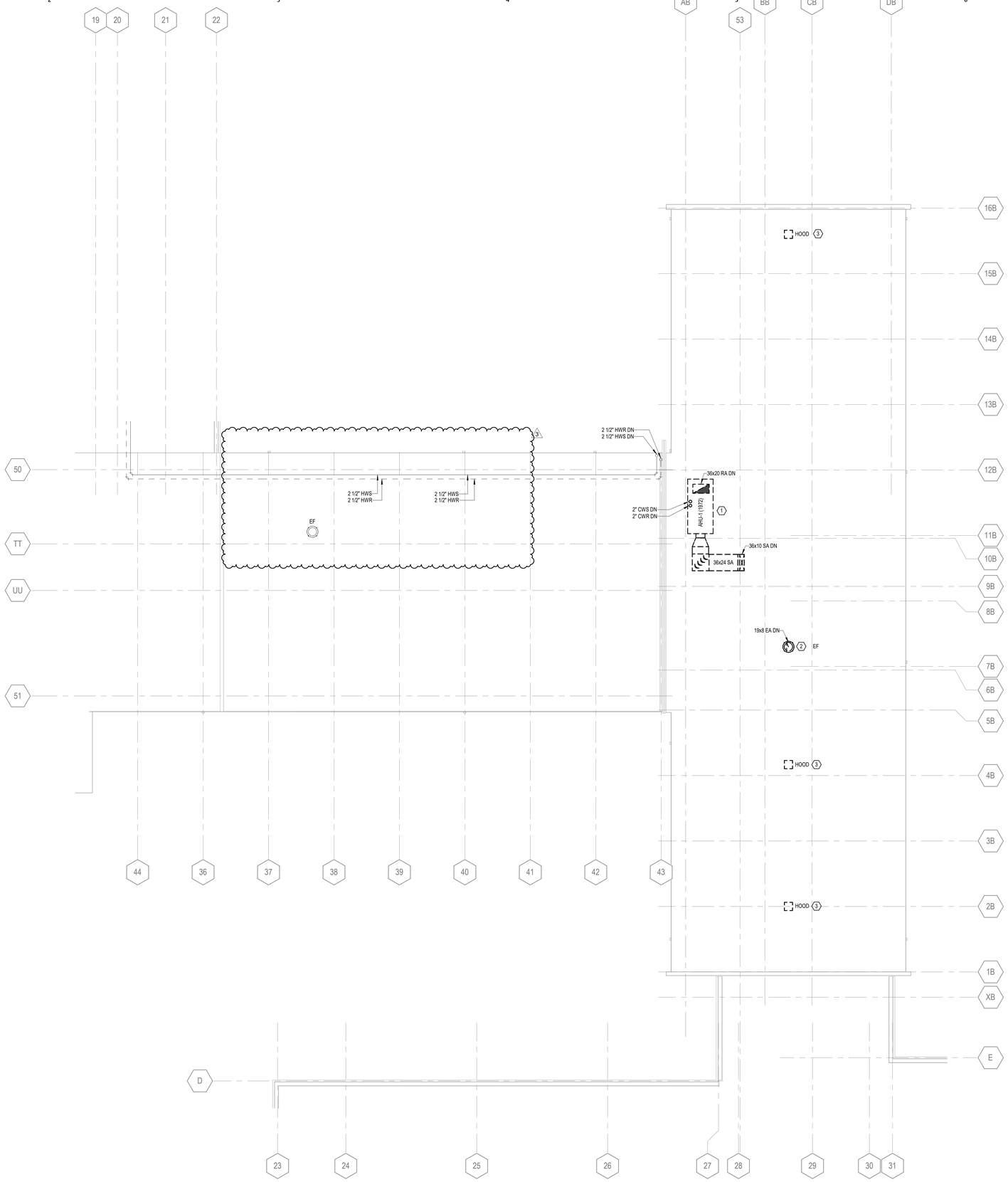

2H MECHANICAL DEMOLITION PLAN - ROOF LEVEL
2.802.DH 1/8" = 1'-0"

GENERAL NOTES:

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SHEET NOTES: ⬡

1. REMOVE EXISTING AHU-1 (1972) IN ITS ENTIRETY. PATCH AND REPAIR ROOF PENETRATIONS.
2. REMOVE EXISTING EXHAUST FAN. PATCH AND REPAIR ROOF PENETRATION.
3. REMOVE EXISTING HOOD. PATCH AND REPAIR ROOF PENETRATION.

3

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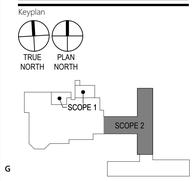

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ROOF LEVEL - MECHANICAL DEMOLITION PLAN

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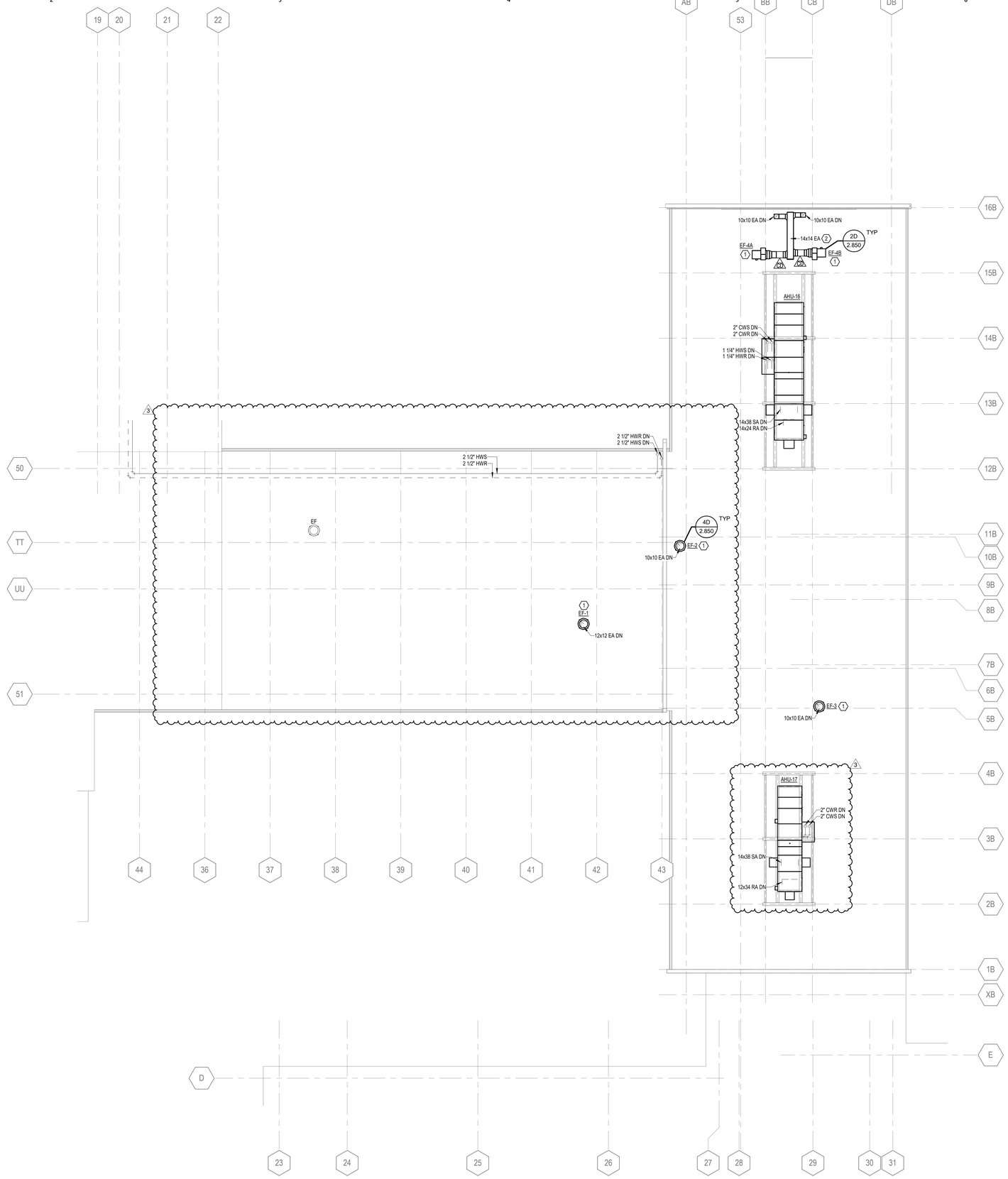

2H / 2.802.H MECHANICAL PLAN - ROOF LEVEL
1/8" = 1'-0"

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SHEET NOTES: ⬡

1. MAINTAIN A MINIMUM OF 15'-0" FROM THE EAST AND WEST EDGE OF ROOF, AND 25'-0" FROM OUTSIDE AIR INTAKES.
2. PROVIDE ROOF MOUNTED DUCT SUPPORTS. MIRO DUCT SUPPORTS OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

3

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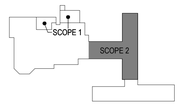

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ROOF LEVEL - MECHANICAL PLAN

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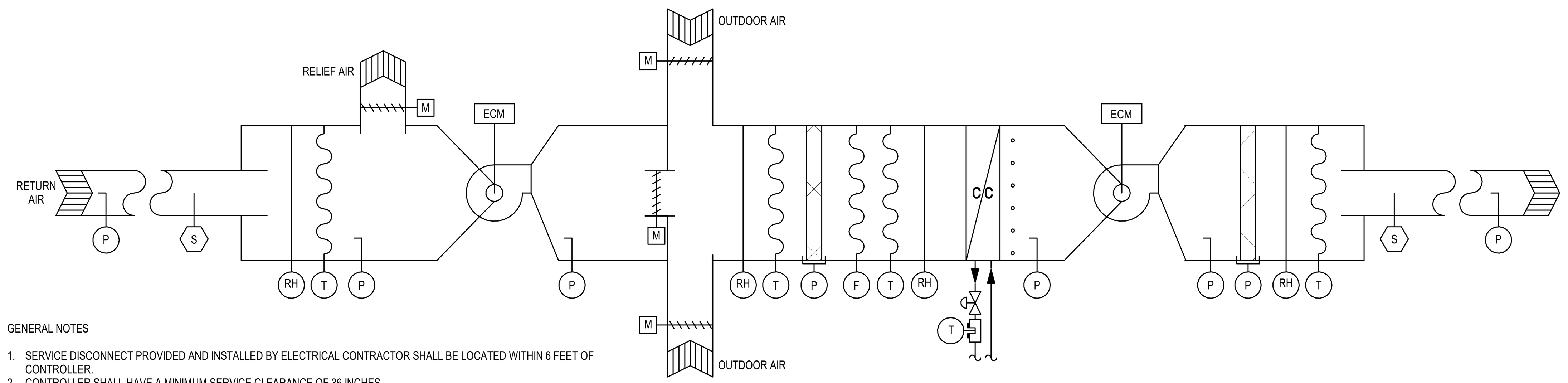


GENERAL NOTES

1. SERVICE DISCONNECT PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR SHALL BE LOCATED WITHIN 6 FEET OF CONTROLLER.
2. CONTROLLER SHALL HAVE A MINIMUM SERVICE CLEARANCE OF 36 INCHES.
3. WIRE ALL SENSORS AND CONTROL DEVICES BACK TO CONTROLLER.
4. COORDINATE ALL CASING AND DUCT PENETRATIONS WITH FURNISHING CONTRACTOR. ENSURE ALL PENETRATIONS ARE PROPERLY SEALED.
5. DUCT STATIC PRESSURE SENSORS SHALL BE LOCATED APPROXIMATELY 2/3 OF THE DUCT RUN AWAY FROM THE AIR HANDLING EQUIPMENT. REFER TO FLOOR PLANS FOR LOCATIONS.

SEQUENCE OF OPERATION

DESCRIPTION:
THE AIR HANDLING UNIT IS A VARIABLE AIR VOLUME UNIT AND CONSISTS OF A SUPPLY FAN WITH ECM, RETURN FAN WITH ECM, OUTDOOR AIR DAMPER, RETURN AIR DAMPER, RELIEF AIR DAMPER, PRE-FILTER BANK, CHILLED WATER COOLING COIL, UV LIGHTS, AND FINAL FILTER BANK.

SUPPLY FAN CONTROL:

START/STOP: THE DDC SYSTEM SHALL START THE SUPPLY FAN VIA THE ECM WITH A TIME DELAY TO ALLOW ALL FIRE/SMOKE AND SMOKE DAMPERS IN THE AIR HANDLING SYSTEM TO OPEN PRIOR TO SUPPLY FAN OPERATION. THE SUPPLY FAN SHALL RUN CONTINUOUSLY.

ECM RESET: IN CASE OF ECM FAULT DETECTION, THE DDC SYSTEM SHALL WAIT 30 SECONDS (ADJUSTABLE) AND THEN CALL THE ECM TO START. IF THE ECM DOES NOT START, THE DDC SYSTEM SHALL CALL A SECOND TIME. IF THE ECM STILL HAS NOT STARTED, AN ALARM SHALL BE SENT TO THE OPERATOR INTERFACE.

CURRENT STATUS SWITCH: INSTALL A CURRENT STATUS SWITCH FOR EACH INDIVIDUAL SUPPLY FAN AND REPORT STATUS TO BMS. IF THE CURRENT STATUS SWITCH DOES NOT PROVE OPERATION OF A GIVEN FAN IN ECM OR BYPASS MODE, SEND AN ALARM TO THE OPERATOR INTERFACE. IF THE CURRENT STATUS SWITCH FOR ALL FANS DOES NOT PROVE OPERATION, THE UNIT SHALL SHUT DOWN AND SEND AN ALARM TO THE OPERATOR INTERFACE.

SPEED CONTROL: THE PURPOSE OF THE SUPPLY FAN CONTROL IS TO MAINTAIN A MINIMUM STATIC PRESSURE IN THE SUPPLY DUCTWORK TO ENSURE PROPER TERMINAL AIR BOX OPERATION. THE DDC SYSTEM SHALL CONTROL THE SUPPLY FAN ECM IN UNISON FROM THE SUPPLY DUCT DIFFERENTIAL PRESSURE TRANSMITTER SIGNAL. INITIAL SETPOINT SHALL BE +1.0" W.C. (ADJUSTABLE). FINAL SETPOINT SHALL BE OPTIMIZED BY THE BALANCING CONTRACTOR.

STATIC PRESSURE RESET: ON A DECREASE IN SYSTEM LOAD, THE DDC SYSTEM SHALL UTILIZE FEEDBACK FROM ALL TERMINAL AIR BOX POSITIONS TO RESET AND REDUCE THE SUPPLY DUCT DIFFERENTIAL STATIC PRESSURE UNTIL ONE TERMINAL AIR BOX DAMPER IS 95% OPEN. ON AN INCREASE IN SYSTEM LOAD, THE DDC SYSTEM SHALL UTILIZE FEEDBACK FROM ALL TERMINAL AIR BOX POSITIONS TO INCREASE THE SUPPLY DUCT DIFFERENTIAL STATIC PRESSURE (NOT-TO-EXCEED THE FINAL SETPOINT) UNTIL ONE TERMINAL AIR BOX DAMPER IS 95% OPEN. STATIC PRESSURE RESET SHALL UTILIZE TRIM AND RESPOND LOGIC.

HIGH PRESSURE LIMIT: DIFFERENTIAL PRESSURE SWITCH SHALL BE A MANUAL RESET TYPE AND WIRED IN SERIES WITH THE START/STOP CONTROL OF THE SUPPLY FAN. THE DDC SYSTEM SHALL MONITOR THE STATUS OF THE DIFFERENTIAL PRESSURE SWITCH. INITIAL SETPOINT SHALL BE +4.0" W.C. (ADJUSTABLE).

HIGH SUCTION PRESSURE LIMIT: DIFFERENTIAL PRESSURE SWITCH SHALL BE A MANUAL RESET TYPE AND WIRED IN SERIES WITH THE START/STOP CONTROL OF THE SUPPLY FAN. THE DDC SYSTEM SHALL MONITOR THE STATUS OF THE DIFFERENTIAL PRESSURE SWITCH. INITIAL SETPOINT SHALL BE -4.0" W.C. (ADJUSTABLE).

RETURN FAN CONTROL:

START/STOP: THE DDC SYSTEM SHALL START THE RETURN FAN VIA THE ECM WITH A TIME DELAY TO ALLOW ALL FIRE/SMOKE AND SMOKE DAMPERS IN THE AIR HANDLING SYSTEM TO OPEN PRIOR TO RETURN FAN OPERATION. THE RETURN FANS SHALL RUN CONTINUOUSLY.

ECM RESET: IN CASE OF VFD FAULT DETECTION, THE DDC SYSTEM SHALL WAIT 30 SECONDS (ADJUSTABLE.) AND THEN CALL THE ECM TO START. IF THE ECM DOES NOT START, THE DDC SYSTEM SHALL CALL A SECOND TIME. IF THE ECM STILL HAS NOT STARTED, AN ALARM SHALL BE SENT TO THE OPERATOR INTERFACE.

CURRENT STATUS SWITCH: INSTALL A CURRENT STATUS SWITCH FOR EACH INDIVIDUAL RETURN FAN AND REPORT STATUS TO BMS. IF THE CURRENT STATUS SWITCH DOES NOT PROVE OPERATION OF A GIVEN FAN IN ECM OR BYPASS MODE, SEND AN ALARM TO THE OPERATOR INTERFACE. IF THE CURRENT STATUS SWITCH FOR ALL FANS DOES NOT PROVE OPERATION, THE UNIT SHALL SHUT DOWN AND SEND AN ALARM TO THE OPERATOR INTERFACE.

SEQUENCE OF OPERATION CONTINUED

SPEED CONTROL: THE PURPOSE OF THE RETURN FAN CONTROL IS TO MAINTAIN A SLIGHTLY POSITIVE BUILDING PRESSURE, +0.05" W.C. (ADJUSTABLE). THE RETURN FAN VFDs SHALL MODULATE TO MAINTAIN A CONSTANT CFM OFFSET FROM THE SUPPLY FAN TO ACCOUNT FOR TOTAL EXHAUST FROM THE BUILDING WHILE MAINTAINING A SLIGHTLY POSITIVE PRESSURE. PROVIDE AN ADJUSTABLE FREQUENCY OFFSET ALGORITHM FOR THE RETURN FAN RELATIVE TO THE SUPPLY FAN. WORK WITH THE BALANCER TO ESTABLISH THE CORRECT RETURN FAN VFD SPEED RELATIVE TO THE SUPPLY FAN SPEED TO ACHIEVE CORRECT AIRFLOW BALANCE AT 100% OF THE MAXIMUM SUPPLY CFM AND AT 50% OF THE MAXIMUM SUPPLY CFM. A LINEAR EQUATION SHALL THEN BE DEVELOPED FOR THE RETURN FAN SPEED.

STATIC PRESSURE RESET: ON A DECREASE IN SYSTEM LOAD, THE DDC SYSTEM SHALL UTILIZE FEEDBACK FROM ALL TERMINAL AIR BOX POSITIONS TO RESET AND REDUCE THE RETURN DUCT DIFFERENTIAL STATIC PRESSURE UNTIL ONE TERMINAL AIR BOX DAMPER IS 95% OPEN. ON AN INCREASE IN SYSTEM LOAD, THE DDC SYSTEM SHALL UTILIZE FEEDBACK FROM ALL TERMINAL AIR BOX POSITIONS TO INCREASE THE RETURN DUCT DIFFERENTIAL STATIC PRESSURE (NOT-TO-EXCEED THE FINAL SETPOINT) UNTIL ONE TERMINAL AIR BOX DAMPER IS 95% OPEN. STATIC PRESSURE RESET SHALL UTILIZE TRIM AND RESPOND LOGIC.

LOW PRESSURE LIMIT: DIFFERENTIAL PRESSURE SWITCH SHALL BE A MANUAL RESET TYPE AND WIRED IN SERIES WITH THE START/STOP CONTROL OF THE RETURN FANS. INITIAL SETPOINT SHALL BE -2.0" W.C. (ADJUSTABLE).

DISCHARGE AIR CONTROL: DISCHARGE AIR TEMPERATURE SETPOINT SHALL BE RESET BETWEEN 55ºF (ADJUSTABLE) AND 60°F (ADJUSTABLE). ON A DECREASE IN SYSTEM LOAD, THE DDC SYSTEM SHALL UTILIZE FEEDBACK FROM ALL SUPPLY TERMINAL AIR BOX POSITIONS TO RESET AND INCREASE THE DISCHARGE AIR TEMPERATURE UNTIL ONE TERMINAL AIR BOX DAMPER IS 95% OPEN. ON AN INCREASE IN SYSTEM LOAD, THE DDC SYSTEM SHALL UTILIZE FEEDBACK FROM ALL SUPPLY TERMINAL AIR BOX POSITIONS TO DECREASE THE DISCHARGE AIR TEMPERATURE SETPOINT UNTIL ONE TERMINAL AIR BOX DAMPER IS 95% OPEN. IF, WHILE IN RESET MODE, THE RETURN AIR RELATIVE HUMIDITY EXCEEDS 60% (ADJUSTABLE), THE DISCHARGE AIR TEMPERATURE SHALL BE RESET IN REVERSE FASHION UNTIL THE RETURN AIR RELATIVE HUMIDITY IS BELOW 55% (ADJUSTABLE). DISCHARGE AIR TEMPERATURE RESET SHALL UTILIZE TRIM AND RESPOND LOGIC.

WHENEVER THE DISCHARGE AIR TEMPERATURE IS ABOVE THE SETPOINT, THE FOLLOWING SHALL OCCUR IN SEQUENCE:
1. THE HEATING COIL CONTROL VALVE(S) SHALL MODULATE CLOSED.
2. IF THE OUTSIDE AIR ENTHALPY IS BELOW THE RETURN AIR ENTHALPY, THE OUTSIDE AIR DAMPER SHALL MODULATE OPEN AND THE RETURN AIR DAMPER SHALL MODULATE CLOSED. THIS SHALL CONTINUE UNTIL THE SETPOINT IS ACHIEVED OR THE OUTSIDE AIR DAMPER IS IN THE 100% OUTSIDE AIR POSITION.
3. IF THE OUTSIDE AIR ENTHALPY IS ABOVE THE RETURN AIR ENTHALPY, THE OUTSIDE AIR DAMPER SHALL CLOSE AND RETURN AIR DAMPER SHALL OPEN TO THEIR MINIMUM OUTSIDE AIR DAMPER POSITIONS.
4. IF THE SETPOINT CANNOT BE ACHIEVED BY DAMPER MODULATION, THE DDC SYSTEM SHALL MODULATE THE CHILLED WATER CONTROL VALVE(S) OPEN.
5. IF THE DISCHARGE AIR TEMPERATURE IS MORE THAN 10ºF (ADJUSTABLE) ABOVE THE SETPOINT, SEND AN ALARM TO THE OPERATOR INTERFACE.

WHENEVER THE DISCHARGE AIR TEMPERATURE IS BELOW THE SETPOINT, THE FOLLOWING SHALL OCCUR IN SEQUENCE:
1. THE CHILLED WATER CONTROL VALVE(S) SHALL MODULATE CLOSED.
2. IF THE OUTSIDE AIR ENTHALPY IS BELOW THE RETURN AIR ENTHALPY, THE OUTSIDE AIR DAMPER SHALL MODULATE CLOSED AND RETURN AIR DAMPER SHALL OPEN. THIS SHALL CONTINUE UNTIL SETPOINT IS ACHIEVED OR THE DAMPERS ARE IN THE MINIMUM OUTSIDE AIR POSITION.
3. IF THE DISCHARGE AIR TEMPERATURE IS MORE THAN 10ºF (ADJUSTABLE) BELOW THE SETPOINT, SEND AN ALARM TO THE OPERATOR INTERFACE.

VENTILATION AIR CONTROL:

VENTILATION: WHENEVER THE AIR HANDLING UNIT IS ENABLED AND IN OCCUPIED MODE, THE OUTSIDE AIR DAMPER SHALL BE OPEN TO AT LEAST ITS MINIMUM POSITION. WHEN THE AIR HANDLING UNIT IS DISABLED OR IN UNOCCUPIED MODE, THE OUTSIDE AIR DAMPER SHALL BE CLOSED. THE RETURN AIR DAMPER AND OUTSIDE AIR DAMPER SHALL MODULATE TO MAINTAIN THE MINIMUM SCHEDULED OUTSIDE AIR CFM, OR WHEN IN ECONOMIZER MODE, MAINTAIN THE DISCHARGE AIR TEMPERATURE SETPOINT.

SEQUENCE OF OPERATION CONTINUED

RELIEF AIR DAMPER: THE RELIEF AIR DAMPER SHALL MODULATE TO MAINTAIN A POSITIVE PRESSURE OF 0.2" W.C. (ADJUSTABLE) AT THE DISCHARGE OF THE RETURN FAN RELATIVE TO THE EXTERIOR. EXTERIOR REFERENCE POINT SHALL BE IN THE SAME WALL AS THE RELIEF LOUVER OR OPENING.

MIXED AIR TEMPERATURE AND HUMIDITY: MONITOR THE MIXED AIR TEMPERATURE.

BUILDING PRESSURIZATION: THE RELIEF AIR DAMPER SHALL MODULATE TO MAINTAIN BUILDING STATIC PRESSURE OF 0.05" W.C. (ADJUSTABLE). TO DAMPEN BUILDING PRESSURE SENSOR FLUCTUATIONS, BUILDING STATIC PRESSURE SHALL BE TIME-AVERAGED WITH A SLIDING 5 MINUTE WINDOW AND 15 SECOND SAMPLING RATE. REFER TO FLOOR PLANS FOR LOCATION OF BUILDING PRESSURE SENSOR.

UV LIGHTS: THE UV LIGHTS SHALL BE ENABLED WHENEVER THE AIR HANDLING UNIT IS ENABLED AND THE UNIT IS IN COOLING MODE. MONITOR RUN-HOURS AND PROVIDE MAINTENANCE ALARMS AT INTERVALS RECOMMENDED BY THE MANUFACTURER. UV LIGHTS SHALL BE HARDWIRED TO THE AIR HANDLING UNIT DOOR SWITCH. IN THE EVENT THE DOOR OPENS, THE LIGHTS SHALL BE DISABLED.

UNIT SHUTDOWN:

THE SUPPLY AND RETURN FANS SHALL STOP.
THE OUTSIDE AIR DAMPERS AND RELIEF AIR DAMPERS SHALL CLOSE AND THE RETURN DAMPERS SHALL OPEN.
THE CHILLED WATER CONTROL VALVE(S) SHALL CLOSE.
ALL FIRE/SMOKE AND SMOKE DAMPERS ASSOCIATED WITH THE AIR HANDLING SYSTEM SHALL CLOSE.

FILTER MONITORING:

FOR EACH FILTER BANK WITH RATING OF MERV 9 TO MERV 16, PROVIDE AN ALARM TO THE OPERATOR INTERFACE WHEN THE DIFFERENTIAL STATIC PRESSURE EXCEEDS 1.0" W.C. (ADJUSTABLE).

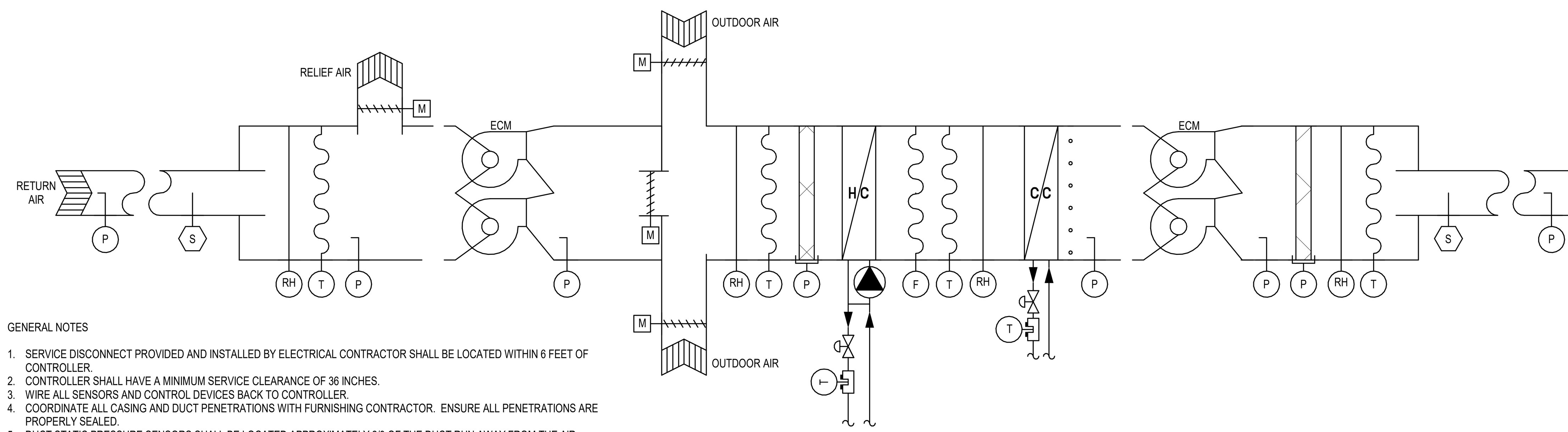
ALARM MONITORING:

FREEZE PROTECTION: INSTALL AN ELECTRIC FREEZESTAT AS INDICATED.
1. IF THE FREEZESTAT SENSES A TEMPERATURE AT OR BELOW 32ºF (ADJUSTABLE), SHUT DOWN THE SUPPLY FAN, CLOSE THE OUTDOOR AIR DAMPER, OPEN THE COOLING COIL CONTROL VALVE TO 100% AND ENABLE ITS ASSOCIATED CHILLED WATER SYSTEM PUMP. THE FREEZESTAT SHALL SHUT DOWN THE UNIT INDEPENDENTLY OF THE DDC SYSTEM VIA RELAYS. A SECOND SET OF CONTACTS SHALL NOTIFY THE DDC SYSTEM THAT SHALL SEND AN ALARM TO THE OPERATOR INTERFACE (MANUAL RESET TYPE).

FIRE ALARM INTERFACE: WHEN THE FIRE ALARM SYSTEM IN THE AREA SERVED BY THE UNIT IS INITIATED, THE UNIT SHALL BE SHUT DOWN AND ALL FIRE/SMOKE AND SMOKE DAMPERS WITHIN THIS AREA SERVED BY THE AIR HANDLING UNIT SHALL CLOSE. THE FIRE ALARM SYSTEM SHALL NOTIFY THE OPERATOR INTERFACE WHENEVER AN ALARM CONDITION IS EXPERIENCED.

3

1D 2.851 AHU-17 CONTROLS
NO SCALE



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DESCRIPTION:
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SUPPLY FAN CONTROL:

START/STOP: THE DDC SYSTEM SHALL START THE SUPPLY FANS VIA THE ECMs WITH A TIME DELAY TO ALLOW ALL FIRE/SMOKE AND SMOKE DAMPERS IN THE AIR HANDLING SYSTEM TO OPEN PRIOR TO SUPPLY FAN OPERATION. THE SUPPLY FANS SHALL RUN CONTINUOUSLY.

ECM RESET: IN CASE OF ECM FAULT DETECTION, THE DDC SYSTEM SHALL WAIT 30 SECONDS (ADJUSTABLE) AND THEN CALL THE ECM TO START. IF THE ECM DOES NOT START, THE DDC SYSTEM SHALL CALL A SECOND TIME. IF THE ECM STILL HAS NOT STARTED, AN ALARM SHALL BE SENT TO THE OPERATOR INTERFACE.

CURRENT STATUS SWITCH: INSTALL A CURRENT STATUS SWITCH FOR EACH INDIVIDUAL SUPPLY FAN AND REPORT STATUS TO BMS. IF THE CURRENT STATUS SWITCH DOES NOT PROVE OPERATION OF A GIVEN FAN IN ECM OR BYPASS MODE, SEND AN ALARM TO THE OPERATOR INTERFACE. IF THE CURRENT STATUS SWITCH FOR ALL FANS DOES NOT PROVE OPERATION, THE UNIT SHALL SHUT DOWN AND SEND AN ALARM TO THE OPERATOR INTERFACE.

SPEED CONTROL: THE PURPOSE OF THE SUPPLY FAN CONTROL IS TO MAINTAIN A MINIMUM STATIC PRESSURE IN THE SUPPLY DUCTWORK TO ENSURE PROPER TERMINAL AIR BOX OPERATION. THE DDC SYSTEM SHALL CONTROL THE SUPPLY FAN VFDs IN UNISON FROM THE SUPPLY DUCT DIFFERENTIAL PRESSURE TRANSMITTER SIGNAL. INITIAL SETPOINT SHALL BE +1.0" W.C. (ADJUSTABLE). FINAL SETPOINT SHALL BE OPTIMIZED BY THE BALANCING CONTRACTOR.

STATIC PRESSURE RESET: ON A DECREASE IN SYSTEM LOAD, THE DDC SYSTEM SHALL UTILIZE FEEDBACK FROM ALL TERMINAL AIR BOX POSITIONS TO RESET AND REDUCE THE SUPPLY DUCT DIFFERENTIAL STATIC PRESSURE UNTIL ONE TERMINAL AIR BOX DAMPER IS 95% OPEN. ON AN INCREASE IN SYSTEM LOAD, THE DDC SYSTEM SHALL UTILIZE FEEDBACK FROM ALL TERMINAL AIR BOX POSITIONS TO INCREASE THE SUPPLY DUCT DIFFERENTIAL STATIC PRESSURE (NOT-TO-EXCEED THE FINAL SETPOINT) UNTIL ONE TERMINAL AIR BOX DAMPER IS 95% OPEN. STATIC PRESSURE RESET SHALL UTILIZE TRIM AND RESPOND LOGIC.

HIGH PRESSURE LIMIT: DIFFERENTIAL PRESSURE SWITCH SHALL BE A MANUAL RESET TYPE AND WIRED IN SERIES WITH THE START/STOP CONTROL OF THE SUPPLY FAN. THE DDC SYSTEM SHALL MONITOR THE STATUS OF THE DIFFERENTIAL PRESSURE SWITCH. INITIAL SETPOINT SHALL BE +4.0" W.C. (ADJUSTABLE).

HIGH SUCTION PRESSURE LIMIT: DIFFERENTIAL PRESSURE SWITCH SHALL BE A MANUAL RESET TYPE AND WIRED IN SERIES WITH THE START/STOP CONTROL OF THE SUPPLY FAN. THE DDC SYSTEM SHALL MONITOR THE STATUS OF THE DIFFERENTIAL PRESSURE SWITCH. INITIAL SETPOINT SHALL BE -4.0" W.C. (ADJUSTABLE).

RETURN FAN CONTROL:

START/STOP: THE DDC SYSTEM SHALL START THE RETURN FANS VIA THE ECMs WITH A TIME DELAY TO ALLOW ALL FIRE/SMOKE AND SMOKE DAMPERS IN THE AIR HANDLING SYSTEM TO OPEN PRIOR TO RETURN FAN OPERATION. THE RETURN FANS SHALL RUN CONTINUOUSLY.

ECM RESET: IN CASE OF VFD FAULT DETECTION, THE DDC SYSTEM SHALL WAIT 30 SECONDS (ADJUSTABLE.) AND THEN CALL THE ECM TO START. IF THE ECM DOES NOT START, THE DDC SYSTEM SHALL CALL A SECOND TIME. IF THE ECM STILL HAS NOT STARTED, AN ALARM SHALL BE SENT TO THE OPERATOR INTERFACE.

CURRENT STATUS SWITCH: INSTALL A CURRENT STATUS SWITCH FOR EACH INDIVIDUAL RETURN FAN AND REPORT STATUS TO BMS. IF THE CURRENT STATUS SWITCH DOES NOT PROVE OPERATION OF A GIVEN FAN IN ECM OR BYPASS MODE, SEND AN ALARM TO THE OPERATOR INTERFACE. IF THE CURRENT STATUS SWITCH FOR ALL FANS DOES NOT PROVE OPERATION, THE UNIT SHALL SHUT DOWN AND SEND AN ALARM TO THE OPERATOR INTERFACE.

SEQUENCE OF OPERATION CONTINUED

SPEED CONTROL: THE PURPOSE OF THE RETURN FAN CONTROL IS TO MAINTAIN A SLIGHTLY POSITIVE BUILDING PRESSURE, +0.05" W.C. (ADJUSTABLE). THE RETURN FAN VFDs SHALL MODULATE TO MAINTAIN A CONSTANT CFM OFFSET FROM THE SUPPLY FAN TO ACCOUNT FOR TOTAL EXHAUST FROM THE BUILDING WHILE MAINTAINING A SLIGHTLY POSITIVE PRESSURE. PROVIDE AN ADJUSTABLE FREQUENCY OFFSET ALGORITHM FOR THE RETURN FAN RELATIVE TO THE SUPPLY FAN. WORK WITH THE BALANCER TO ESTABLISH THE CORRECT RETURN FAN VFD SPEED RELATIVE TO THE SUPPLY FAN SPEED TO ACHIEVE CORRECT AIRFLOW BALANCE AT 100% OF THE MAXIMUM SUPPLY CFM AND AT 50% OF THE MAXIMUM SUPPLY CFM. A LINEAR EQUATION SHALL THEN BE DEVELOPED FOR THE RETURN FAN SPEED.

STATIC PRESSURE RESET: ON A DECREASE IN SYSTEM LOAD, THE DDC SYSTEM SHALL UTILIZE FEEDBACK FROM ALL TERMINAL AIR BOX POSITIONS TO RESET AND REDUCE THE RETURN DUCT DIFFERENTIAL STATIC PRESSURE UNTIL ONE TERMINAL AIR BOX DAMPER IS 95% OPEN. ON AN INCREASE IN SYSTEM LOAD, THE DDC SYSTEM SHALL UTILIZE FEEDBACK FROM ALL TERMINAL AIR BOX POSITIONS TO INCREASE THE RETURN DUCT DIFFERENTIAL STATIC PRESSURE (NOT-TO-EXCEED THE FINAL SETPOINT) UNTIL ONE TERMINAL AIR BOX DAMPER IS 95% OPEN. STATIC PRESSURE RESET SHALL UTILIZE TRIM AND RESPOND LOGIC.

LOW PRESSURE LIMIT: DIFFERENTIAL PRESSURE SWITCH SHALL BE A MANUAL RESET TYPE AND WIRED IN SERIES WITH THE START/STOP CONTROL OF THE RETURN FANS. INITIAL SETPOINT SHALL BE -2.0" W.C. (ADJUSTABLE).

DISCHARGE AIR CONTROL: DISCHARGE AIR TEMPERATURE SETPOINT SHALL BE RESET BETWEEN 55ºF (ADJUSTABLE) AND 60°F (ADJUSTABLE). ON A DECREASE IN SYSTEM LOAD, THE DDC SYSTEM SHALL UTILIZE FEEDBACK FROM ALL SUPPLY TERMINAL AIR BOX POSITIONS TO RESET AND INCREASE THE DISCHARGE AIR TEMPERATURE UNTIL ONE TERMINAL AIR BOX DAMPER IS 95% OPEN. ON AN INCREASE IN SYSTEM LOAD, THE DDC SYSTEM SHALL UTILIZE FEEDBACK FROM ALL SUPPLY TERMINAL AIR BOX POSITIONS TO DECREASE THE DISCHARGE AIR TEMPERATURE SETPOINT UNTIL ONE TERMINAL AIR BOX DAMPER IS 95% OPEN. IF, WHILE IN RESET MODE, THE RETURN AIR RELATIVE HUMIDITY EXCEEDS 60% (ADJUSTABLE), THE DISCHARGE AIR TEMPERATURE SHALL BE RESET IN REVERSE FASHION UNTIL THE RETURN AIR RELATIVE HUMIDITY IS BELOW 55% (ADJUSTABLE). DISCHARGE AIR TEMPERATURE RESET SHALL UTILIZE TRIM AND RESPOND LOGIC.

WHENEVER THE DISCHARGE AIR TEMPERATURE IS ABOVE THE SETPOINT, THE FOLLOWING SHALL OCCUR IN SEQUENCE:
1. THE HEATING COIL CONTROL VALVE(S) SHALL MODULATE CLOSED.
2. IF THE OUTSIDE AIR ENTHALPY IS BELOW THE RETURN AIR ENTHALPY, THE OUTSIDE AIR DAMPER SHALL MODULATE OPEN AND THE RETURN AIR DAMPER SHALL MODULATE CLOSED. THIS SHALL CONTINUE UNTIL THE SETPOINT IS ACHIEVED OR THE OUTSIDE AIR DAMPER IS IN THE 100% OUTSIDE AIR POSITION.
3. IF THE OUTSIDE AIR ENTHALPY IS ABOVE THE RETURN AIR ENTHALPY, THE OUTSIDE AIR DAMPER SHALL CLOSE AND RETURN AIR DAMPER SHALL OPEN TO THEIR MINIMUM OUTSIDE AIR DAMPER POSITIONS.
4. IF THE SETPOINT CANNOT BE ACHIEVED BY DAMPER MODULATION, THE DDC SYSTEM SHALL MODULATE THE CHILLED WATER CONTROL VALVE(S) OPEN.
5. IF THE DISCHARGE AIR TEMPERATURE IS MORE THAN 10ºF (ADJUSTABLE) ABOVE THE SETPOINT, SEND AN ALARM TO THE OPERATOR INTERFACE.

WHENEVER THE DISCHARGE AIR TEMPERATURE IS BELOW THE SETPOINT, THE FOLLOWING SHALL OCCUR IN SEQUENCE:
1. THE CHILLED WATER CONTROL VALVE(S) SHALL MODULATE CLOSED.
2. IF THE OUTSIDE AIR ENTHALPY IS BELOW THE RETURN AIR ENTHALPY, THE OUTSIDE AIR DAMPER SHALL MODULATE CLOSED AND RETURN AIR DAMPER SHALL OPEN. THIS SHALL CONTINUE UNTIL SETPOINT IS ACHIEVED OR THE DAMPERS ARE IN THE MINIMUM OUTSIDE AIR POSITION.
3. IF THE SETPOINT CANNOT BE ACHIEVED BY DAMPER MODULATION, THE HEATING COIL CONTROL VALVE SHALL MODULATE OPEN TO MAINTAIN SETPOINT. THE HEATING COIL PUMP SHALL START ON A CALL FOR HEAT OR IF THE OUTDOOR AIR REFERENCE TEMPERATURE IS BELOW 36°F (ADJUSTABLE). IF THE CURRENT STATUS SWITCH ON THE PUMP DOES NOT PROVE OPERATION, SEND AN ALARM TO THE OPERATOR INTERFACE.
4. IF THE DISCHARGE AIR TEMPERATURE IS MORE THAN 10ºF (ADJUSTABLE) BELOW THE SETPOINT, SEND AN ALARM TO THE OPERATOR INTERFACE.

VENTILATION AIR CONTROL:

VENTILATION: WHENEVER THE AIR HANDLING UNIT IS ENABLED AND IN OCCUPIED MODE, THE OUTSIDE AIR DAMPER SHALL BE OPEN TO AT LEAST ITS MINIMUM POSITION. WHEN THE AIR HANDLING UNIT IS DISABLED OR IN UNOCCUPIED MODE, THE OUTSIDE AIR DAMPER SHALL BE CLOSED. THE RETURN AIR DAMPER AND OUTSIDE AIR DAMPER SHALL MODULATE TO MAINTAIN THE MINIMUM SCHEDULED OUTSIDE AIR CFM, OR WHEN IN ECONOMIZER MODE, MAINTAIN THE DISCHARGE AIR TEMPERATURE SETPOINT.

SEQUENCE OF OPERATION CONTINUED

RELIEF AIR DAMPER: THE RELIEF AIR DAMPER SHALL MODULATE TO MAINTAIN A POSITIVE PRESSURE OF 0.2" W.C. (ADJUSTABLE) AT THE DISCHARGE OF THE RETURN FAN RELATIVE TO THE EXTERIOR. EXTERIOR REFERENCE POINT SHALL BE IN THE SAME WALL AS THE RELIEF LOUVER OR OPENING.

MIXED AIR TEMPERATURE AND HUMIDITY: MONITOR THE MIXED AIR TEMPERATURE.

BUILDING PRESSURIZATION: THE RELIEF AIR DAMPER SHALL MODULATE TO MAINTAIN BUILDING STATIC PRESSURE OF 0.05" W.C. (ADJUSTABLE). TO DAMPEN BUILDING PRESSURE SENSOR FLUCTUATIONS, BUILDING STATIC PRESSURE SHALL BE TIME-AVERAGED WITH A SLIDING 5 MINUTE WINDOW AND 15 SECOND SAMPLING RATE. REFER TO FLOOR PLANS FOR LOCATION OF BUILDING PRESSURE SENSOR.

UV LIGHTS: THE UV LIGHTS SHALL BE ENABLED WHENEVER THE AIR HANDLING UNIT IS ENABLED AND THE UNIT IS IN COOLING MODE. MONITOR RUN-HOURS AND PROVIDE MAINTENANCE ALARMS AT INTERVALS RECOMMENDED BY THE MANUFACTURER. UV LIGHTS SHALL BE HARDWIRED TO THE AIR HANDLING UNIT DOOR SWITCH. IN THE EVENT THE DOOR OPENS, THE LIGHTS SHALL BE DISABLED.

UNIT SHUTDOWN:

THE SUPPLY AND RETURN FANS SHALL STOP.
THE OUTSIDE AIR DAMPERS AND RELIEF AIR DAMPERS SHALL CLOSE AND THE RETURN DAMPERS SHALL OPEN.
THE CHILLED WATER CONTROL VALVE(S) SHALL CLOSE.
THE HEATING COIL CONTROL VALVE(S) SHALL CLOSE. FREEZESTAT SHALL OVERRIDE HEATING CONTROL VALVE(S) AS REQUIRED.
ALL FIRE/SMOKE AND SMOKE DAMPERS ASSOCIATED WITH THE AIR HANDLING SYSTEM SHALL CLOSE.

FILTER MONITORING:

FOR EACH FILTER BANK WITH RATING OF MERV 9 TO MERV 16, PROVIDE AN ALARM TO THE OPERATOR INTERFACE WHEN THE DIFFERENTIAL STATIC PRESSURE EXCEEDS 1.0" W.C. (ADJUSTABLE).

ALARM MONITORING:

FREEZE PROTECTION: INSTALL AN ELECTRIC FREEZESTAT DOWNSTREAM OF THE HEATING COIL PER MANUFACTURER'S RECOMMENDATION. PROVIDE A STAGED FREEZE PROTECTION APPROACH AS INDICATED BELOW.
1. IF THE HEATING COIL DISCHARGE AIR TEMPERATURE DROPS BELOW 40°F (ADJUSTABLE) FOR 5 MINUTES, OVERRIDE THE RETURN AIR AND OUTSIDE AIR DAMPERS TO MAINTAIN THE MINIMUM OUTSIDE AIRFLOW AND MODULATE THE HEATING COIL CONTROL VALVE TO MAINTAIN A HEATING COIL DISCHARGE AIR TEMPERATURE OF AT LEAST 55ºF (ADJUSTABLE). DISABLE THIS FUNCTION WHEN THE HEATING COIL DISCHARGE AIR TEMPERATURE RISES ABOVE 45ºF (ADJUSTABLE) FOR 5 MINUTES.
2. IF THE HEATING COIL DISCHARGE AIR TEMPERATURE DROPS BELOW 38ºF (ADJUSTABLE) FOR 5 MINUTES, FULLY CLOSE THE OUTSIDE AIR DAMPER FOR ONE HOUR AND SEND AN ALARM TO THE OPERATOR INTERFACE INDICATING THE OUTSIDE AIR DAMPER HAS CLOSED. AFTER ONE HOUR, THE AIR HANDLING UNIT SHALL RESUME MINIMUM VENTILATION AND ENTER THE PREVIOUS STAGE OF FREEZE PROTECTION.
3. IF THE FREEZESTAT SENSES A TEMPERATURE AT OR BELOW 32ºF (ADJUSTABLE), SHUT DOWN THE SUPPLY AND RETURN FANS, CLOSE THE OUTDOOR AIR DAMPER, OPEN THE COOLING COIL CONTROL VALVE TO 100% AND ENABLE ITS ASSOCIATED CHILLED WATER SYSTEM PUMP. MODULATE THE HEATING COIL CONTROL VALVE TO MAINTAIN A HEATING COIL DISCHARGE AIR TEMPERATURE OF 80ºF (ADJUSTABLE). THE FREEZESTAT SHALL SHUT DOWN THE UNIT INDEPENDENTLY OF THE DDC SYSTEM VIA RELAYS. A SECOND SET OF CONTACTS SHALL NOTIFY THE DDC SYSTEM THAT SHALL SEND AN ALARM TO THE OPERATOR INTERFACE (MANUAL RESET TYPE).

FIRE ALARM INTERFACE: WHEN THE FIRE ALARM SYSTEM IN THE AREA SERVED BY THE UNIT IS INITIATED, THE UNIT SHALL BE SHUT DOWN AND ALL FIRE/SMOKE AND SMOKE DAMPERS WITHIN THIS AREA SERVED BY THE AIR HANDLING UNIT SHALL CLOSE. THE FIRE ALARM SYSTEM SHALL NOTIFY THE OPERATOR INTERFACE WHENEVER AN ALARM CONDITION IS EXPERIENCED.

1H 2.851 AHU-16 CONTROLS
NO SCALE

CONTROLS SYMBOL LEGEND...

SYMBOL	NAME
	AIR MONITORING STATION
BLENDER	BLENDER
C	CARBON DIOXIDE SENSOR
CC	COOLING COIL WITH TWO-WAY CONTROL VALVE
DP	DIFFERENTIAL PRESSURE SENSOR
P	DUCT PRESSURE SENSOR
T	DUCT TEMPERATURE SENSOR
T	DUCT TEMPERATURE SENSOR - SHORT
DX	DX COIL
	FAN
ECM	FAN ARRAY - ECM
VFD	FAN ARRAY - VFD
P	FILTER WITH DIFFERENTIAL PRESSURE SENSOR
S	FIRE ALARM SYSTEM SMOKE DETECTOR
F	FLOW SENSOR

CONTROLS SYMBOL LEGEND...

SYMBOL	NAME
F	FREEZESTAT
H/C	HEATING COIL WITH TWO-WAY CONTROL VALVE
H/C	HEATING COIL WITH TWO-WAY CONTROL VALVE WITH PUMP
STEAM	HUMIDIFIER GRID
	INLINE CENTRIFUGAL PUMP
M	PARALLEL-BLADE MOTOR-OPERATED DAMPER
RH	RELATIVE HUMIDITY SENSOR
T	TEMPERATURE SENSOR
T	THERMOSTAT
	TWO-WAY MOTOR-OPERATED CONTROL VAVLE
	UV LIGHTS
H/C ACTUATOR	VAV BOX DAMPER WITH REHEAT
	VENTURI VALVE

Southwest Mississippi Regional Medical Center
Southwest Health

LAWRENCE COUNTY HOSPITAL

INFRASTRUCTURE UPGRADES AND INPATIENT REMODEL

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DUCT AND PLENUM INSULATION SCHEDULE - SCOPE 2

DUCT SYSTEM TYPE	INSULATION TYPE	INSTALLED R VALUE	MINIMUM DENSITY LB/CU FT	JACKET TYPE (2)	NCIIS PLATE NUMBER (1)	REMARKS
SUPPLY AIR (CONCEALED)	MF BLANKET	6	0.75	FSK	3-100	(5)(7)
SUPPLY AIR RECTANGULAR (EXPOSED)	MF BOARD	6	3.0	FSK	3-120	(5)(7)
SUPPLY AIR ROUND OR FLAT OVAL(EXPOSED)	MF BLANKET	6	0.75	FSK	3-100	(5)(7)
OUTSIDE AIR RECTANGULAR	MF BOARD	6	3.0	FSK	3-120	(3)(5)(7)
OUTSIDE AIR ROUND OR FLAT OVAL	MF BLANKET	6	3.0	FSK	3-100	(3)(5)(7)
EXHAUST AIR (CONCEALED)	MF BLANKET	6	0.75	FSK	3-100	(4)(5)(7)
EXHAUST AIR (EXPOSED)	MF BOARD	6	3.0	FSK	3-100	(4)(5)(7)
EXHAUST LOCATED OUTDOORS	PI BOARD	12	2.5	FSK	3-120	(4)(6)(7)(8)

ABBREVIATIONS: MF=MINERAL FIBER(FIBERGLASS), E= ELASTOMERIC, PI = POLYISOCYANURATE, FSK = FOIL-SCRIM-KRAFT

REMARKS:
1. NCIIS (NATIONAL COMMERCIAL AND INDUSTRIAL INSULATION STANDARD) PLATE NUMBER REFERENCED ARE PROVIDED TO CLARIFY THE SCOPE OF INSTALLATION. INSTALL INSULATION AND ACCESSORY COMPONENTS PER APPLICABLE NCIIS AND MANUFACTURERS RECOMMENDATIONS.
2. "JACKET TYPE" IS FOR INSULATION ONLY. REFER TO SPECIFICATIONS FOR INSTALLATIONS REQUIRING ADDITIONAL FIELD APPLIED JACKETING SUCH AS METAL OR PVC.
3. FOR OUTSIDE AIR DUCTWORK DOWNSTREAM OF AN AIR HANDLING UNIT THAT HEATS OR COOLS THE OUTSIDE AIR, INSULATE AS SPECIFIED FOR SUPPLY AIR.
4. INSULATE FROM EXTERIOR LOUVER OR OPENING TO 20 FEET AWAY OR TO 5 FEET PAST CONTROL OR BACKDRAFT DAMPER, WHICHEVER IS LESS.
5. INSULATE FIRE DAMPERS, SMOKE DAMPERS AND COMBINATION FIRE/SMOKE DAMPERS AS RECOMMENDED BY THE SMACNA FIRE, SMOKE AND RADIATION DAMPER INSTALLATION GUIDE FOR HVAC.
6. PROVIDE WITH 22 GAUGE CORRUGATED ALUMINUM JACKET.
7. REFER TO NCIIS PLATE 3-600 AND 3-640 INSULATION OF TRAPEZE AND ANGLE IRON DUCT SUPPORTS. FOR INSTALLATIONS USING PLATE 3-600 APPROACH, INSULATION TO ENCOMPASS OR EXTEND OVER THE HANGER MAINTAINING VAPOR BARRIER INTEGRITY. FOR INSTALLATIONS USING PLATE 3-640 APPROACH, PROVIDE MF BOARD AT TRAPEZE OR ANGLE IRON SUPPORTS AS PER PLATE 3-640 DETAIL.
8. PROVIDE RECTANGULAR DUCT WATERSHED PER NCIIS PLATE 3-650.

HVAC PIPING INSULATION SCHEDULE - SCOPE 2

PIPING SYSTEM FLUID	TEMP. RANGE DEG. F.	THICKNESS IN INCHES FOR PIPE SIZES THROUGH SIZE LISTED <1	1 - 1.25	1.5 - 3	4 - 6	>/= 8	TYPE	JACKET TYPE (2)	NCIIS PLATE NUMBER (1)	REMARKS
INDOOR HOT WATER	120 - 200	1.5	1.5	2	2	2	MF	ASJ-SSL	1-100	
OUTDOOR HOT WATER	120 - 200	2.5	2.5	3	3	3	MF	ASJ-SSL	1-100	
INDOOR COLD WATER	40 - 60	0.5	0.5	1	1	1	MF, E	ASJ-SSL	1-100, 1-200	
INDOOR CONDENSATE AND EQUIPMENT DRAINS	BELOW 60	0.5	0.5	0.5	0.5	0.5	MF, E	ASJ-SSL	1-100, 1-200	(3)

ABBREVIATIONS: MF = MINERAL FIBER/FIBERGLASS, E = ELASTOMERIC, CG = CELLULAR GLASS, ASJ = ALL SERVICE JACKET, SSL = SELF SEALING LAP

REMARKS:
1. NCIIS (NATIONAL COMMERCIAL AND INDUSTRIAL INSULATION STANDARD) PLATE NUMBER REFERENCED ARE PROVIDED TO CLARIFY THE SCOPE OF INSTALLATION. INSTALL INSULATION AND ACCESSORY COMPONENTS PER APPLICABLE NCIIS AND MANUFACTURERS RECOMMENDATIONS.
2. "JACKET TYPE" IS FOR INSULATION ONLY, REFER TO SPECIFICATIONS FOR INSTALLATIONS REQUIRING ADDITIONAL FIELD APPLIED JACKETING SUCH AS METAL OR PVC.
3. INCLUDES AIR CONDITIONING CONDENSATE, P-TRAPS FOR FLOOR DRAINS/SINKS RECEIVING AIR CONDITIONING CONDENSATE OR ICE MAKER DRAIN PIPING, AND SANITARY DRAINAGE PIPING FROM ELECTRIC WATER COOLERS TO MAIN.

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
PE/EP 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 BID, 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.

AIR HANDLING UNIT SCHEDULE - SCOPE 2

MARK	LOCATION	TYPE	OVERALL SIZE [LxWxH]	MINIMUM OUTSIDE AIR [CFM]	SUPPLY FAN MARK	RETURN / RELIEF FAN MARK	COOLING COIL MARK	HEATING COIL REMARK	PRE FILTER MARK	FINAL FILTER MARK	ELECTRICAL DATA VOLTAGE	PHASE	DISCONNECT BY	SCCR	MANUFACTURER	MODEL	REMARKS
AHU-16	ROOF	OUTDOOR	SEE DETAIL	1850	SF-16	RF-16	CC-16	HC-16	PF-16	FF-16	208 V	3	MANUFACTURER	6	TRANE	CSAA010	(1)(2)(3)(4)(5)(6)(7)(8)
AHU-17	ROOF	OUTDOOR	SEE DETAIL	875	SF-17	RF-17	CC-17	-	PF-17	FF-17	208 V	3	MANUFACTURER	5	TRANE	CSAA008	(1)(2)(3)(4)(5)(6)(8)

REMARKS:
1. PROVIDE WITH 3 POINTS OF POWER:
   A. FANS WITH FIELD PROVIDED DISCONNECT (208V/3PH)
   B. UV LIGHTS (120V/1PH)
   C. LIGHTS AND SWITCHES (120V/1PH)
2. PROVIDE WITH TWO SEPARATE 26" DEEP INSLUATED PIPE VESTIBULE WITH ACCESS DOORS. PIPE VESTIUBULE SHALL EXTEND FROM TOP OF AIR HANDLING UNIT TO ROOF LEVEL INCLUDING ALONG ROOF STRUCTURAL MEMBERS AND BE FULLY ENCLOSED.
3. PROVIDE WITH STAINLESS STEEL DRAIN PAN.
4. MOTOR WIRING SHALL BE IN METALLIC CONDUIT.
5. PROVIDE 24" SOLID BOTTOM SPRING ISOLATED PLENUM CURB LOCATED ON STRUCTURAL MEMBERS. PROVIDE WITH DIVIDER WALL BETWEEN SUPPLY AND RETURN PLENUMS.
6. PROVIDE WITH PRESSURE RELIEF DOORS.
7. PROVIDE WITH AIR BLENDER.
8. "SCCR" - VALUE INDICATED IS AVAILABLE SHORT CIRCUIT CURRENT (SCC) IN KILOAMPS AT THE EQUIPMENT BASED ON PRELIMINARY DESIGN PHASE CALCULATIONS. EQUIPMENT SCCR SHALL BE MINIMUM 120% 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. REVIEW SCCR WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING EQUIPMENT.

FILTER SCHEDULE - SCOPE 2

MARK	SERVES	FUNCTION	MERV RATING	REMARKS
FF-16	AHU-16	FINAL FILTER	15	(1)
FF-17	AHU-17	FINAL FILTER	15	(1)
PF-16	AHU-16	PREFILTER	9	(1)
PF-17	AHU-17	PREFILTER	9	(1)

REMARKS:
1. PROVIDE MAGNAHELIC GAUGE ACROSS HOUSING FILTER.

AHU FAN SCHEDULE - SCOPE 2

MARK	SERVES	QUANTITY OF FANS	TOTAL AIRFLOW [CFM]	TOTAL S.P. [IN W.C.]	EXTERNAL S.P. [IN W.C.]	FAN RPM	ELECTRICAL DATA FAN HP (EACH)	HP	VOLTAGE	PHASE	DRIVE TYPE	CONTROL
RF-16	AHU-16	2	1850	1.23	1.0	1987	4	8	208 V	3	ECM	DDC
RF-17	AHU-17	1	2600	1.17	1.0	2531	4	4	208 V	3	ECM	DDC
SF-16	AHU-16	2	4000	4.25	1.5	3201	4	8	208 V	3	ECM	DDC
SF-17	AHU-17	1	3500	3.84	1.5	3759	4	4	208 V	3	ECM	DDC

HYDRONIC COIL SCHEDULE - SCOPE 2

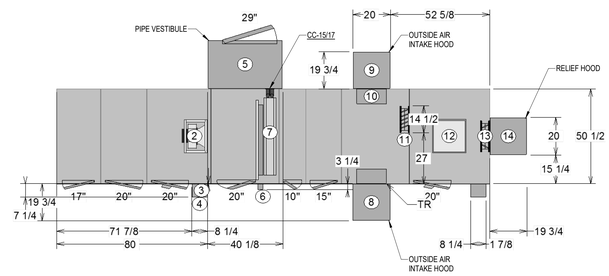
MARK	SERVES	FLUID TYPE	AIRFLOW [CFM]	MIN ROWS	MAX FINS PER INCH	MAX VELOCITY [FPM]	MAX AIR P.D. [IN W.C.]	ENTERING DB / WB [°F]	LEAVING DB / WB [°F]	TOTAL CAPACITY [MBH]	SENS. CAPACITY [MBH]	FLUID DATA FLOW [GPM]	EWT / LWT [°F]	MAX P.D. [FT]	REMARKS
CC-16	AHU-16	WATER	4000	6	8	411	0.50	87 / 70	52 / 52	226	155	38	42 / 54	10.4	(1)(2)(3)
CC-17	AHU-17	WATER	3500	4	12	376	0.37	80 / 67	52 / 52	138	92	23	42 / 54	15.3	(1)(2)(3)
HC-16	AHU-16	WATER	4000	2	9	401	0.12	40 / -	65 / -	108	108	11	140 / 120	0.7	(1)(2)

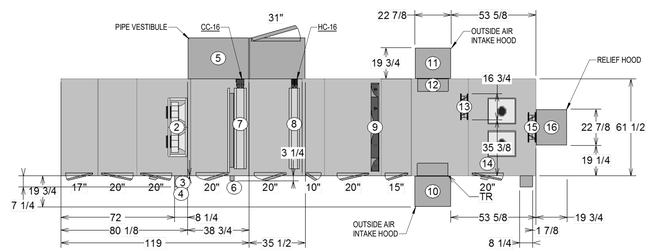
REMARKS:
1. MAINTAIN COIL PULL SPACE ON INSTALLATION.
2. CONTRACTOR TO PIPE UNIT AS INDICATED FROM FACTORY. COUNTERFLOW.
3. PROVIDE WITH UV LIGHTS WITH EXTERIOR CONTROL SWITCH.

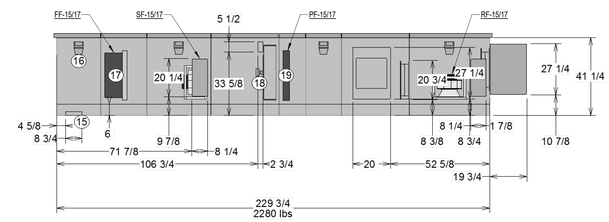
PUMP SCHEDULE - SCOPE 2

MARK	FLOW [GPM]	TOTAL HEAD [FT]	SHUT-OFF HEAD [FT]	TYPE OF FLUID	RPM	SUCTION / DISCHARGE SIZE [IN]	MAX IMPELLER DIAMETER [IN]	ELECTRICAL DATA HP	VOLTAGE	PHASE	DISCONNECT BY	SCCR	MANUFACTURER	MODEL	REMARKS
HWP-16	11	10	17	WATER	1750	1-1/4 / 1-1/4	3.9	0.125	120 V	1	ELECTRICAL	5	TACO	113	(1)(2)(3)

REMARKS:
1. PERFORMANCE BASED ON FLUID AND CONDITIONS INDICATED IN THIS SCHEDULE.
2. PROVIDE WITH THE FOLLOWING ACCESSORIES: DISCONNECT, STRAINER, CHECK VALVE, VENTURI FLOW MEASURING DEVICE, FLEXIBLE CONNECTORS, UNIONS, AND TEMPERATURE AND PRESSURE GAUGES ON EACH CONNECTION.
3. "SCCR" - VALUE INDICATED IS AVAILABLE SHORT CIRCUIT CURRENT (SCC) IN KILOAMPS AT THE EQUIPMENT BASED ON PRELIMINARY DESIGN PHASE CALCULATIONS. EQUIPMENT SCCR SHALL BE MINIMUM 120% 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. REVIEW SCCR WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING EQUIPMENT.







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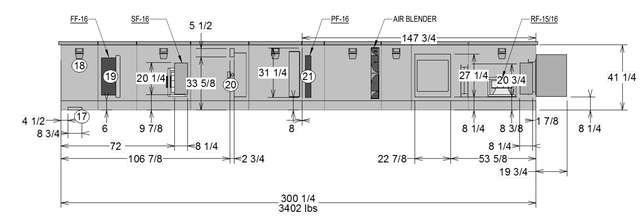
1 1/2" = 1'-0"



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Sheet Title
MECHANICAL SCHEDULES

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DIFFUSER, REGISTER, AND GRILLE SCHEDULE - SCOPE 2

MARK	IMAGE	DESCRIPTION	MAX S.P.	MATERIAL	FINISH	FACE SIZE LENGTH	FACE SIZE WIDTH	NECK SIZE	AIRFLOW	MANUFACTURER	MODEL	REMARKS
D1		PLAQUE FACE STYLE SUPPLY DIFFUSER	0.10 in-wg	STEEL	PAINT, WHITE	24"	24"	6" 8" 10" 12" 14"	0 - 120 121 - 210 211 - 320 321 - 470 471 - 640	TITUS	OMNI	(1)(2)
D2		PLAQUE FACE STYLE SUPPLY DIFFUSER	0.10 in-wg	STEEL	PAINT, WHITE	12"	12"	6" 8" 10"	0 - 120 121 - 210 211 - 320	TITUS	OMNI	(1)(2)(3)
D3		DOUBLE DEFLECTION SUPPLY GRILLE	0.10 in-wg	STEEL	PAINT, WHITE	6" 10" 12" 12" 12" 18" 24" 30" 36"	6" 6" 8" 10" 12" 12" 12" 12" 12"	6"x6" 10"x6" 12"x6" 12"x10" 12"x12" 18"x12" 24"x12" 30"x12" 36"x12"	0 - 100 101 - 170 171 - 285 286 - 350 351 - 420 421 - 600 601 - 750 751 - 900 901 - 1100	TITUS	300RL/SL	(1)(2)(4)
G1		PERFORATED RETURN GRILLE	0.10 in-wg	STEEL	PAINT, WHITE	24"	24"	6" 8" 10" 12" 14" 16"	0 - 100 101 - 170 171 - 270 271 - 360 361 - 430 431 - 500	TITUS	PAR	(1)(2)
G2		PERFORATED RETURN GRILLE	0.10 in-wg	STEEL	PAINT, WHITE	24"	12"	6" 8"	0-125 126-180	TITUS	PAR	(1)(2)
G3		SINGLE DEFLECTION RETURN GRILLE	0.10 in-wg	STEEL	PAINT, WHITE	6" 10" 12" 12" 12" 18" 24" 24" 24"	6" 6" 8" 10" 12" 12" 12" 20" 24" 36"	6"x6" 10"x6" 12"x8" 12"x10" 12"x12" 18"x12" 24"x12" 24"x20" 24"x24" 24"x36"	0 - 100 101 - 200 201 - 300 301 - 400 401 - 480 481 - 700 701 - 910 911 - 1500 1501 - 1700 1701 - 2400	TITUS	350RL/SL	(1)(2)(4)
GE1		PERFORATED EXHAUST GRILLE	0.10 in-wg	STEEL	PAINT, WHITE	24"	24"	6" 8" 10" 12" 14" 16"	0 - 100 101 - 170 171 - 270 271 - 360 361 - 430 431 - 500	TITUS	PAR	(1)(2)(3)
GE2		PERFORATED EXHAUST GRILLE	0.10 in-wg	STEEL	PAINT, WHITE	12"	12"	6"	0 - 100	TITUS	PAR	(1)(2)(3)
GE3		SINGLE DEFLECTION RETURN GRILLE	0.10 in-wg	STEEL	PAINT, WHITE	6" 10" 12" 12" 12" 18" 24" 24" 24"	6" 6" 8" 10" 12" 12" 12" 20" 24" 36"	6"x6" 10"x6" 12"x8" 12"x10" 12"x12" 18"x12" 24"x12" 24"x20" 24"x24" 24"x36"	0 - 100 101 - 200 201 - 300 301 - 400 401 - 480 481 - 700 701 - 910 911 - 1500 1501 - 1700 1701 - 2400	TITUS	350RL/SL	(1)(2)(4)

REMARKS:
1. COORDINATE EXACT MODEL AND FRAME WITH CEILING / WALL TYPE.
2. COORDINATE LOCATION OF GRILLES WITH ARCHITECTURAL CEILING PLANS AND ELEVATIONS.
3. DIFFUSER / GRILLE CONSTRUCTION SHALL BE ALUMINUM CONSTRUCTION IN ALL RESTROOMS.
4. WHEN INSTALLED IN A WALL, THE BLADES FOR THESE GRILLES SHALL BE SUCH THAT THE FRONT BLADES ARE HORIZONTAL (PARALLEL TO THE FLOOR). WHEN INSTALLED IN A CEILING, THE BLADES FOR THESE GRILLES SHALL BE SUCH THAT THE FRONT BLADES ARE PARALLEL TO THE LONG DIMENSION OF THE GRILLE.

VARIABLE VOLUME BOX - 140°F HOT WATER REHEAT - SCOPE 2

MARK	OPERATING AIRFLOW [CFM] MAXIMUM COOLING / CONNECTED SPACE	HEATING	MINIMUM	BOX INLET [IN]	REHEAT COIL DATA RATED CFM	EAT [°F]	LAT [°F]	COIL CAPACITY [MBH]	COIL FLOW [GPM]	NUMBER OF ROWS	MANUFACTURER	MODEL	REMARKS
VB-16-01	300	170	170	6	360	55	90	13.1	0.9 GPM	3	TITUS	DESV	(1)(2)(3)(4)(5)(6)(7)
VB-16-02	300	170	170	6	360	55	90	13.1	0.9 GPM	3	TITUS	DESV	(1)(2)(3)(4)(5)(6)(7)
VB-16-03	300	170	170	6	360	55	90	13.1	0.9 GPM	3	TITUS	DESV	(1)(2)(3)(4)(5)(6)(7)
VB-16-04	300	170	170	6	360	55	90	13.1	0.9 GPM	3	TITUS	DESV	(1)(2)(3)(4)(5)(6)(7)
VB-16-05	175	90	90	6	360	55	90	13.1	0.9 GPM	3	TITUS	DESV	(1)(2)(3)(4)(5)(6)(7)
VB-16-06	375	190	160	8	640	55	90	23.3	1.6 GPM	3	TITUS	DESV	(1)(2)(3)(4)(5)(6)(7)
VB-16-07	300	150	90	6	360	55	90	13.1	0.9 GPM	3	TITUS	DESV	(1)(2)(3)(4)(5)(6)(7)
VB-17-01	300	170	170	6	360	55	90	13.1	0.9 GPM	3	TITUS	DESV	(1)(2)(3)(4)(5)(6)(7)
VB-17-02	175	90	90	6	360	55	90	13.1	0.9 GPM	3	TITUS	DESV	(1)(2)(3)(4)(5)(6)(7)
VB-17-03	250	170	170	6	360	55	90	13.1	0.9 GPM	3	TITUS	DESV	(1)(2)(3)(4)(5)(6)(7)
VB-17-04	365	190	160	8	640	55	90	23.3	1.6 GPM	3	TITUS	DESV	(1)(2)(3)(4)(5)(6)(7)
VB-17-05	1085	450	270	12	1600	55	90	58.3	3.9 GPM	3	TITUS	DESV	(1)(2)(3)(4)(5)(6)(7)
VB-17-06	300	150	110	6	360	55	90	13.1	0.9 GPM	3	TITUS	DESV	(1)(2)(3)(4)(5)(6)(7)
VB-17-07	250	130	110	6	360	55	90	13.1	0.9 GPM	3	TITUS	DESV	(1)(2)(3)(4)(5)(6)(7)
VB-17-08	375	375	375	8	640	55	90	23.3	1.6 GPM	3	TITUS	DESV	(1)(2)(3)(4)(5)(6)(7)

REMARKS:
1. MAXIMUM FULL FLOW AIR PRESSURE DROP ACROSS THE BOX ASSEMBLY INCLUDING HEATING COIL SHALL BE 0.50 IN W.C.
2. MAXIMUM FULL FLOW WATER PRESSURE DROP THROUGH THE COIL SHALL BE 5 FEET.
3. MAXIMUM RADIATED SOUND LEVEL BASED ON AHRI 880-2011 AT 1.0 IN W.C. DIFFERENTIAL PRESSURE SHALL NOT EXCEED NC 25.
4. MAXIMUM DISCHARGE SOUND LEVEL BASED ON AHRI 880-2011 AT 1.0 IN W.C. DIFFERENTIAL PRESSURE SHALL NOT EXCEED NC 30.
5. PERFORMANCE OF COIL BASED ON WATER WITH ENTERING TEMPERATURE OF 140 DEG F.
6. HEATING COIL CAPACITY AND GPM SHALL BE BASED ON SCHEDULED REHEAT COIL RATED CFM NOT ON OPERATING AIRFLOW HEATING OR COOLING.
7. SEE SPECIFICATIONS FOR INSULATION AND ACCESS PANEL REQUIREMENTS.

EXHAUST FAN SCHEDULE - SCOPE 2

MARK	TYPE	WEIGHT WITHOUT ACCESSORIES [LBS]	AIRFLOW [CFM]	TOTAL S.P. [IN W.C.]	MAX FAN RPM	FAN BHP	ELECTRICAL DATA HP	VOLTAGE	PHASE	DISCONNECT BY	SCCR	MANUFACTURER	MODEL	REMARKS
EF-1	DOWNBLAST	55	725	1.0	1620	0.22	0.25	120 V	1	MANUFACTURER	5	GREENHECK	G-100-VG	(1)(2)(3)(7)
EF-2	DOWNBLAST	55	725	1.0	1620	0.22	0.25	120 V	1	MANUFACTURER	5	GREENHECK	G-100-VG	(1)(2)(3)(7)
EF-3	DOWNBLAST	55	600	1.0	1604	0.19	0.25	120 V	1	MANUFACTURER	5	GREENHECK	G-100-VG	(1)(2)(3)(7)
EF-4A	UTILITY SET	160	1200	1.0	1406	0.3	1	208 V	3	MANUFACTURER	5	GREENHECK	USF-13-B7	(1)(4)(5)(6)(7)
EF-4B	UTILITY SET	160	1200	1.0	1406	0.3	1	208 V	3	MANUFACTURER	5	GREENHECK	USF-13-B7	(1)(4)(5)(6)(7)

REMARKS:
1. PROVIDE EC MOTOR WITH 0-10 VDC LEADS AND DISCONNECT.
2. PROVIDE CONTROL DAMPER INTERLOCKED WITH MOTOR.
3. PROVIDE 18" ROOF CURB.
4. PROVIDE MOTOR GUARD.
5. PROVIDE VIBRATION ISOLATION.
6. PROVIDE WITH STACK 10' ABOVE ROOF LEVEL RATED FOR 125 MPH WIND WITHOUT THE USE OF GUY WIRES.
7. "SCCR" - VALUE INDICATED IS AVAILABLE SHORT CIRCUIT CURRENT (SCC) IN KILOAMPS AT THE EQUIPMENT BASED ON PRELIMINARY DESIGN PHASE CALCULATIONS. EQUIPMENT SCCR SHALL BE MINIMUM 120% 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. REVIEW SCCR WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING EQUIPMENT.

VENTURI VALVE SCHEDULE

MARK	AIRFLOW [CFM] CONNECTED	MINIMUM	BOX INLET [IN]	MANUFACTURER	MODEL	REMARKS
VV-17-01	250	250	8	ANTEC	VFX	(1)(2)(3)(4)(5)
VV-17-02	250	250	8	ANTEC	VFX	(1)(2)(3)(4)(5)
VVE-17-01	400	400	8	ANTEC	VFX	(1)(2)(3)(4)(5)
VVE-17-02	400	400	8	ANTEC	VFX	(1)(2)(3)(4)(5)

REMARKS:
1. MAXIMUM FULL FLOW AIR PRESSURE DROP ACROSS THE VALVE ASSEMBLY INCLUDING HEATING COIL SHALL BE 0.75 IN. W.C.
2. MAXIMUM RADIATED SOUND LEVEL BASED ON ARI 880-98 AT 1.0 IN. W.C. DIFFERENTIAL PRESSURE SHALL NOT EXCEED NC 45.
3. MAXIMUM DISCHARGE SOUND LEVEL BASED ON ARI 880-98 AT 1.0 IN. W.C. DIFFERENTIAL PRESSURE SHALL NOT EXCEED NC 45.
4. PROVIDE ALL NECESSARY COMPONENTS FOR PROPER OPERATION INCLUDING CONTROLS, TRANSFORMERS, AND WIRING.
5. ACCURACY SHALL BE +/-5% OF MEASURED FLOW.

VENTURI VALVE DUCT MOUNTED HYDRONIC COIL SCHEDULE

MARK	SERVES	FLUID TYPE	AIRFLOW [CFM]	ROWS	MAX SIZE (WxH) [IN]	MAX VELOCITY [FPM]	MAX AIR P.D. [IN W.C.]	EAT [°F]	LAT [°F]	FLUID DATA FLOW [GPM]	EWT / LWT [°F]	MAX P.D. [FT]	REMARKS
RHC-1	VVS-17-01	WATER	250	3	14x12	250	0.75	55	90	0.9	140 / 120	5	(1)(2)
RHC-2	VVS-17-02	WATER	250	3	14x12	250	0.75	55	90	0.9	140 / 120	5	(1)(2)

REMARKS:
1. PROVIDE DUCT CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.

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NURSE CALL SYMBOL LEGEND - SCOPE 2

PLAN SYMBOL	NAME	DEFAULT MOUNTING HEIGHT	ROUGH-IN	DESCRIPTION
BSID-PLW NC	BEDSIDE STATION - PILLOW SPEAKER	48"	3 GANG, 3-1/2" DEEP BACK BOX	PROVIDE CONTROL OF THE FOLLOWING SYSTEMS WITHIN SAME ROOM: - LIGHT CONTROL: PILLOW SPEAKER SHALL PROVIDE SEPARATE CONTROL OF READING AND AMBIENT LIGHT SOURCES OF MULTI-FUNCTION OVERBED FIXTURE. REFER TO LIGHTING FIXTURE SCHEDULES FOR FIXTURE FUNCTIONS. PROVIDE LOW-VOLTAGE RELAY TO INTERFACE WITH LIGHTING CONTROL SYSTEM. - TV CONTROL: PILLOW SPEAKER SHALL PROVIDE ON/OFF CONTROL OF PATIENT TELEVISION AND HAVE SPEAKER FOR TELEVISION VOLUME. - MOTORIZED SHADE CONTROL: PILLOW SPEAKER SHALL PROVIDE UP/DOWN AND STOP FUNCTIONS OF MOTORIZED SHADES WITHIN ROOM. COORDINATE WITH MOTORIZED SHADE MANUFACTURER. PROVIDE THE FOLLOWING FUNCTIONS ON THE BEDSIDE STATION: - CALL CANCEL BUTTON - STAFF ASSIST BUTTON - CODE BLUE BUTTON - EQUIPMENT ALARM PORT/JACK - DIN RECEPTACLE (PILLOW SPEAKER CONNECTION)
D	DOME LIGHT - CEILING	--	4" SQUARE, 2-3/4" DEEP BACK BOX WITH 1 GANG TRIM RING	PROVIDE ONE (1) 1" CONDUIT TO ABOVE NEAREST ACCESSIBLE CORRIDOR CEILING SPACE WHEN INSTALLED WITHIN GYP CEILING.
LTG NC	LIGHTING CONTROL INTERFACE	--	--	LIGHT CONTROL: PILLOW SPEAKER SHALL PROVIDE SEPARATE CONTROL OF READING AND AMBIENT LIGHT SOURCES OF MULTI-FUNCTION OVERBED FIXTURE. REFER TO LIGHTING FIXTURE SCHEDULES FOR FIXTURE FUNCTIONS. PROVIDE LOW-VOLTAGE RELAY TO INTERFACE WITH LIGHTING CONTROL SYSTEM.
PULL NC	PULL CORD	48"	4" SQUARE, 2-1/8" DEEP BACK BOX WITH 1 GANG TRIM RING	PULL CORD INSTALLATION SHALL MEET THE FOLLOWING REQUIREMENTS: - TOILETS: LOCATED TO THE SIDE OF TOILETS, WITHIN 12" OF THE FRONT OF THE TOILET BOWL.
SHW NC	PULL CORD - SHOWER/TUB	48"	4" SQUARE, 2-1/8" DEEP BACK BOX WITH 1 GANG TRIM RING	PULL CORD INSTALLATION SHALL MEET THE FOLLOWING REQUIREMENTS: - SHOWERS & TUBS: LOCATED WITHIN NORMAL VIEW OF THE USER AND WITHIN REACH OF STAFF WITHOUT THE NEED TO STEP INTO THE SHOWER OR TUB.
TV NC	TV INTERFACE	--	--	TV CONTROL: PILLOW SPEAKER SHALL PROVIDE ON/OFF CONTROL OF PATIENT TELEVISION AND HAVE SPEAKER FOR TELEVISION VOLUME. NO ROUGH-IN REQUIRED. UTILIZE ROUGH-IN SPECIFIED FOR TV OUTLET.

FIRE ALARM SYMBOLS -...

PLAN SYMBOL	NAME
	DETECTOR - SYSTEM SMOKE - CEILING
FAA	FIRE ALARM REMOTE ANNUNCIATOR
F	HORN - CEILING
F	HORN AND STROBE COMBINATION - CEILING
F	MANUAL PULL STATION
F	STROBE - CEILING

NURSE CALL SYMBOLS - SCOPE 2

PLAN SYMBOL	NAME	DEFAULT MOUNTING HEIGHT	ROUGH-IN
BED NC	BED INTERFACE PLUG	30"	4" SQUARE, 2-1/8" DEEP BACK BOX WITH 1 GANG TRIM RING
DUTY NC	DUTY STATION	48"	3 GANG, 3-1/2" DEEP BACK BOX
EQP NC	EQUIPMENT ALARM STATION	48"	4" SQUARE, 2-1/8" DEEP BACK BOX WITH 1 GANG TRIM RING
CONS NC	NURSE DESK CONSOLE	18"	4" SQUARE, 2-1/8" DEEP BACK BOX WITH 1 GANG TRIM RING

ELECTRICAL MISC SYMBOL...

PLAN SYMBOL	NAME
	BRANCH CIRCUIT CONCEALED IN CEILING OR WALL
	BRANCH CIRCUIT CONCEALED IN FLOOR OR BELOW GRADE
	HOMERUN TO PANEL G = GFCI CIRCUIT (PART) = PARTIAL CIRCUIT
	CLEARANCE SPACE
	CONDUIT BREAK
	CONDUIT DOWN
	CONDUIT STUB-OUT
	CONDUIT UP

ELECTRICAL FIXTURE SYMBOLS - SCOPE 2

PLAN SYMBOL	NAME
	RECEPTACLE - DOUBLE DUPLEX - EMERGENCY (RED) - CONV
	RECEPTACLE - DUPLEX - CONV
	RECEPTACLE - DUPLEX - CONV - GFCI
	RECEPTACLE - DUPLEX - EMERGENCY (RED) - CONV
	RECEPTACLE - DUPLEX - EMERGENCY (RED) - KNOWN LOAD
	RECEPTACLE - DUPLEX - KNOWN LOAD
	RECEPTACLE - DUPLEX - KNOWN LOAD - GFCI

ELECTRICAL EQUIPMENT SYMBOLS - SCOPE 2

PLAN SYMBOL	NAME
	PANELBOARD - SURFACE

LIGHTING DEVICE SYMBOL...

PLAN SYMBOL	NAME
S	LIGHT SWITCH

SECURITY SYMBOL LEGEND - SCOPE 2

PLAN SYMBOL	NAME	DESCRIPTION
AC	ACCESS CONTROL DEVICE	GENERAL: PROVIDE ROUGH-INS PER ACCESS CONTROL ROUGH-IN DETAIL. DOOR ACCESS COMPONENTS SHALL BE RATED FOR CONTINUOUS OPERATION IN THEIR INSTALLED PROJECT CONDITIONS AS REQUIRED IN SPECIFICATION SECTION 281300. COORDINATE REQUIRED CONDUITS TO DOOR FRAME AND WALL MOUNTED DEVICES WITH DOOR HARDWARE CONTRACTOR. PROVIDE SURFACE MOUNTED CONDUIT AND BACK BOX IN UNFINISHED AREAS. PROVIDE 20A 120V EQUIPMENT BRANCH CIRCUIT TO DOOR CONTROLLERS WITHIN ACCESS CONTROL CABINET IN ASSOCIATED COMMUNICATIONS ROOM. PROVIDE FINAL CONNECTION OF 120V BRANCH CIRCUIT TO ALL POWER SUPPLIES REQUIRED FOR EACH DOOR FUNCTION. REFER TO FLOOR PLANS FOR BRANCH CIRCUIT DESIGNATIONS. PROVIDE ACCESS CONTROL CABLING FROM DOOR CONTROLLER TO COMPONENTS REQUIRED BY THE DOOR HARDWARE SPECIFICATION INCLUDING BUT NOT LIMITED TO CARD READER, DOOR POSITION SWITCH, ELECTRIC STRIKE, ELECTRIFIED HINGE, DOOR RELEASE PUSH BUTTON, MAGNETIC LOCK, AND REQUEST TO EXIT. PROVIDE DOOR POSITION SWITCH AND REQUEST TO EXIT AT EACH ACCESS CONTROLLED DOOR, UNLESS PROVIDED BY DOOR HARDWARE CONTRACTOR. PROVIDE ALL COMPONENTS REQUIRED FOR A COMPLETE SYSTEM PER SPECIFICATION SECTION 281300 INCLUDING BUT NOT LIMITED TO INSTALLATION, CONFIGURATION, AND DEVICES. WHERE DOOR IS ALSO SPECIFIED/SHOWN TO UTILIZE DOOR OPERATOR, PROVIDE INTERLOCK TO ALLOW AUTOMATIC DOOR OPENING FROM THE ACCESS CONTROL SYSTEM UPON SUCCESSFUL CARD READ. SUBMIT SHOP DRAWINGS FOR APPROVAL. PROVIDE FIRE ALARM SYSTEM CONNECTION FOR DOOR RELEASE UPON ALARM. INTEGRATE ACCESS CONTROL SYSTEM WITH DOOR OPERATORS, FIRE ALARM, AND DOOR HARDWARE. REFER TO ACCESS CONTROL AND ARCHITECTURAL DOOR HARDWARE SPECIFICATIONS FOR COORDINATION OF FEATURES, DEVICES, AND CONNECTIONS REQUIRED.
CR	CREDENTIAL CARD READER	GENERAL: PROVIDE ROUGH-IN PER ACCESS CONTROL ROUGH-IN DETAIL. WHERE SHOWN MOUNTED ON DOOR/WINDOW SYSTEM MULLION, PROVIDE MULLION MOUNT CARD READER SURFACE MOUNTED ON MULLION. CABLING SHALL BE ROUTED RECESSED WITHIN MULLION TO ACCESSIBLE CEILING SPACE. COORDINATE INSTALLATION WITH MULLION MANUFACTURER. CARD READERS SHALL BE RATED FOR CONTINUOUS OPERATION IN THEIR INSTALLED PROJECT CONDITIONS AS REQUIRED IN SPECIFICATION SECTION 281300. SUBMIT SHOP DRAWINGS FOR APPROVAL. COORDINATE EXACT LOCATION OF CARD READER WITH ARCHITECT, ARCHITECTURAL INTERIOR ELEVATIONS, AND OTHER DOOR COMPONENTS INCLUDING BUT NOT LIMITED TO PUSH PLATE ACTUATORS, REQUEST TO EXIT PUSH BUTTONS, INTERCOM STATIONS, NURSE CALL CANCEL STATIONS, AND INTRUSION DETECTION KEYPADS. REFER TO ACCESS CONTROL SYMBOL LEGEND DESCRIPTION FOR CABLING AND ADDITIONAL REQUIREMENTS.
DO	DOOR OPERATOR	PROVIDE 20A 120V LIFE SAFETY BRANCH CIRCUIT TO DOOR OPERATOR. REFER TO FLOOR PLANS FOR BRANCH CIRCUIT DESIGNATIONS. COORDINATE REQUIRED ROUGH-IN TO DOOR FRAME FOR PUSH PLATE OR HAND WAVE ACTUATOR CABLING WITH DOOR HARDWARE CONTRACTOR. INCLUDE INTERLOCKS WITH OTHER DOOR HARDWARE COMPONENTS REQUIRED BY THE DOOR HARDWARE SPECIFICATION INCLUDING BUT NOT LIMITED TO CARD READER, ELECTRIC STRIKE, ELECTRIFIED HINGE, MAGNETIC LOCK, REQUEST TO EXIT, MOTION SAFETY CONTROLS, KEY SWITCH, AND POWER SUPPLY. WHERE DOOR IS ALSO SPECIFIED/SHOWN TO UTILIZE ACCESS CONTROL, PROVIDE INTERLOCK TO ALLOW AUTOMATIC DOOR OPENING FROM THE ACCESS CONTROL SYSTEM UPON SUCCESSFUL CARD READ. PROVIDE FIRE ALARM SYSTEM CONNECTION FOR OPERATOR DISABLING UPON ALARM. INTEGRATE DOOR OPERATOR WITH FIRE ALARM, ACCESS CONTROL, AND DOOR HARDWARE. REFER TO PUSH PLATE OR HAND WAVE ACTUATOR SYMBOL LEGEND DESCRIPTION FOR ADDITIONAL REQUIREMENTS. COORDINATE INSTALLATION WITH DOOR HARDWARE CONTRACTOR.
PP	DOOR OPERATOR PUSH PLATE ACTUATOR	INSTALL PUSH PLATE ACTUATORS FURNISHED WITH DOOR OPERATOR AT APPROXIMATE LOCATION INDICATED ON FLOORPLANS. PROVIDE 4" SQUARE BACK BOX MOUNTED AT 48" AFF WITH SINGLE GANG TRIM RING AND ONE (1) 3/4" CONDUIT TO ABOVE NEAREST ACCESSIBLE CEILING FOR CABLING TO DOOR OPERATOR. COORDINATE EXACT LOCATION OF PUSH PLATE ACTUATOR WITH ARCHITECT, ARCHITECTURAL INTERIOR ELEVATIONS, AND OTHER DOOR COMPONENTS INCLUDING BUT NOT LIMITED TO CARD READERS, REQUEST TO EXIT PUSH BUTTONS, INTERCOM STATIONS, NURSE CALL CANCEL STATIONS, AND INTRUSION DETECTION KEYPADS. PUSH PLATE ACTUATORS MAY REQUIRE LOCATIONS REMOTE FROM THE DOOR TO ALLOW FOR OPERATION WHILE SIMULTANEOUSLY TRANSPORTING A PATIENT BED. MULTIPLE PUSH PLATES WILL BE REQUIRED WHERE APPROACH TO SAME SIDE OF DOOR IS FROM MULTIPLE DIRECTIONS. INTERLOCK TO OPERATE ASSOCIATED DOOR OPERATOR. REFER TO DOOR OPERATOR SYMBOL LEGEND DESCRIPTION FOR ADDITIONAL REQUIREMENTS. COORDINATE INSTALLATION WITH DOOR HARDWARE CONTRACTOR.

LIGHTING DEVICE SYMBOL LEGEND - SCOPE 2

PLAN SYMBOL	NAME	DESCRIPTION
	PUSH BUTTON	REFER TO LIGHTING CONTROL WALL DEVICE SCHEDULE FOR KEYPAD ID, DESCRIPTION, REQUIRED BUTTON FUNCTIONS, AND ADDITIONAL REQUIREMENTS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

DATA SYMBOL LEGEND - SCOPE 2

PLAN SYMBOL	NAME	DESCRIPTION
	COMMUNICATIONS OUTLET - WALL	GENERAL: PROVIDE COMMUNICATIONS OUTLET AS DESCRIBED IN THESE GENERAL NOTES AND NOTES BELOW FOR EACH OUTLET TYPE. REFER TO PLANS FOR OUTLET DESIGNATION AND QUANTITIES OF NETWORK VOICE/DATA CABLES TO BE PROVIDED TO OUTLET FROM ASSOCIATED NEAREST COMMUNICATIONS DISTRIBUTION ROOM. PROVIDE ROUGH-IN PER COMMUNICATIONS OUTLET DETAIL. PROVIDE ALL COMPONENTS REQUIRED FOR A COMPLETE SYSTEM PER SPECIFICATION SECTION 271200 INCLUDING, BUT NOT LIMITED TO INSTALLATION, CONFIGURATION, DEVICES, JACKS, INSERTS, FACEPLATES, AND CABLING. SUBMIT SHOP DRAWINGS FOR APPROVAL. COORDINATE EXACT FINAL LOCATION WITH ARCHITECTURAL INTERIOR ELEVATIONS PRIOR TO INSTALLATION. PROVIDE CABLING AS LISTED BELOW. OUTLETS WITH NO CABLING DESIGNATION SHALL BE EMPTY WITH A BLANK WALL PLATE. CABLING DESIGNATIONS ARE TYPICAL FOR ALL WALL, FLOOR, AND CEILING COMMUNICATIONS DEVICES. REFER TO SPECIFICATIONS FOR CABLING REQUIREMENTS FOR EACH TYPE. #V = QUANTITY OF VOICE CABLES #D = QUANTITY OF VOIP/DATA CABLES
TV	TELEVISION OUTLET AND WALL BOX	GENERAL: PROVIDE TELEVISION, DATA, AND AUDIO/VISUAL CONNECTIONS AS DESCRIBED IN THESE GENERAL NOTES AND NOTES BELOW FOR EACH TELEVISION TYPE. REFER TO PLANS FOR TELEVISION OUTLET/ WALL BOX DESIGNATION. PROVIDE RG6 COAX CABLES FROM ASSOCIATED COMMUNICATIONS DISTRIBUTION POINT. PROVIDE NETWORK DATA CABLE FROM ASSOCIATED COMMUNICATIONS DISTRIBUTION ROOM. PROVIDE CATV CABLES, NETWORK DATA CABLES, AUDIO/VISUAL CABLES, JACKS, INSERTS, AND FACEPLATES PER SPECIFICATION SECTIONS 271200. COORDINATE REQUIREMENTS WITH WALL BOX MANUFACTURER. PROVIDE ALL ACCESSORIES FOR A COMPLETE INSTALLATION, INCLUDING BUT NOT LIMITED TO: BRACKETS, A/V PLATES, BLANK COVER ASSEMBLIES, MOUNTING FRAMES, AND ADAPTERS. CONDUITS SHALL ROUTE CONCEALED INSIDE WALL TO ABOVE FINISHED CORRIDOR CEILING FOR INSTALLATION OF CATV AND NETWORK DATA CABLING. CONDUITS SHALL ROUTE CONCEALED INSIDE WALL TO LOCATION INDICATED BELOW FOR AUDIO/VISUAL CONNECTIONS. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH ARCHITECT AND INTERIOR ELEVATIONS. SUBMIT PRODUCT DATA FOR APPROVAL. NO TYPE, CATV AND DATA TELEVISION OUTLET: PROVIDE ROUGH-IN PER COMMUNICATIONS OUTLET DETAIL. PROVIDE WITH FACEPLATE TO MATCH WIRING DEVICES. PROVIDE ONE (1) FEMALE TYPE F CONNECTOR AND ONE (1) RJ-45 DATA NETWORK JACK IN COMMON FACEPLATE. PROVIDE ONE (1) RG6 COAX CABLE AND ONE (1) NETWORK DATA CABLE. PROVIDE DUPLEX RECEPTACLE MOUNTED ADJACENT TO TELEVISION OUTLET PER PLANS. RECEPTACLE SHALL BE MOUNTED WITHIN 12".

COMMUNICATION SYMBOL LEGEND - SCOPE 2

PLAN SYMBOL	NAME	DESCRIPTION
	PLYWOOD BACKBOARD	PROVIDE 3/4" THICK X 4' WIDE X 8' HIGH A/C GRADE FIRE-RETARDANT TREATED PLYWOOD BACKBOARD AT APPROXIMATE LOCATION INDICATED. REFER TO FLOORPLANS FOR WIDTHS. CUT ADDITIONAL PLYWOOD TO FIT APPROXIMATE WIDTH INDICATED ON FLOORPLANS. MOUNT PLYWOOD VERTICALLY. BUTT ADJACENT SHEETS TIGHTLY, AND FORM SMOOTH GAP-FREE CORNERS AND JOINTS. PROVIDE WITH TWO (2) COATS OF WHITE PAINT ON ALL FACES AND EDGES. PROVIDE WITH LABEL ON EACH SHEET OF PLYWOOD WITH FIRE RATINGS, VISIBLE AFTER PAINTING. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
	WALL MOUNT COMMUNICATIONS RACK	WALL MOUNT TELECOMMUNICATIONS CABINET TO BE PROVIDED BY OWNE AT APPROXIMATE LOCATION INDICATED ON FLOOR PLANS. PROVIDE ALL ACCESSORIES FOR A COMPLETE INSTALLATION, INCLUDING BUT NOT LIMITED TO: PLYWOOD BACKING, BRACKETS, MOUNTING FRAMES, HORIZONTAL AND VERTICAL WIRE MANAGEMENT, AND GROUNDING CONNECTIONS. COORDINATE EXACT FINAL LOCATION WITH OWNER'S IT REPRESENTATIVE PRIOR TO INSTALLATION. PROVIDE ALL POWER CONNECTIONS INDICATED ON FLOOR PLANS AT FINAL RACK LOCATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

ELECTRICAL FIXTURE SYMBOL LEGEND - SCOPE 2

PLAN SYMBOL	NAME	DESCRIPTION
	EM DUPLEX AND DATA (KNOWN LOAD)	PROVIDE EMERGENCY (RED) DUPLEX RECEPTACLE AND COMMUNICATIONS OUTLET AT APPROXIMATE LOCATION INDICATED. BACK BOXES FOR EACH DEVICE SHALL BE MOUNTED APPROXIMATELY 6" BETWEEN BOX CENTERS. REFER TO SYMBOL LEGEND ENTRY FOR EACH DEVICE FOR ADDITIONAL REQUIREMENTS.
	EM QUAD AND DATA (CONV)	PROVIDE EMERGENCY (RED) QUAD RECEPTACLE AND COMMUNICATIONS OUTLET AT APPROXIMATE LOCATION INDICATED. BACK BOXES FOR EACH DEVICE SHALL BE MOUNTED APPROXIMATELY 6" BETWEEN BOX CENTERS. REFER TO SYMBOL LEGEND ENTRY FOR EACH DEVICE FOR ADDITIONAL REQUIREMENTS.
	EM QUAD AND DATA (KNOWN LOAD)	PROVIDE EMERGENCY (RED) QUAD RECEPTACLE AND COMMUNICATIONS OUTLET AT APPROXIMATE LOCATION INDICATED. BACK BOXES FOR EACH DEVICE SHALL BE MOUNTED APPROXIMATELY 6" BETWEEN BOX CENTERS. REFER TO SYMBOL LEGEND ENTRY FOR EACH DEVICE FOR ADDITIONAL REQUIREMENTS.
J	JUNCTION BOX - WALL	GENERAL: PROVIDE JUNCTION BOX AS DESCRIBED IN THESE GENERAL NOTES AND NOTES BELOW FOR EACH JUNCTION BOX TYPE. REFER TO PLANS FOR JUNCTION BOX DESIGNATION. PROVIDE ONE (1) 4" SQUARE, 2-1/8" DEEP JUNCTION BOX WITH SINGLE GANG TRIM RING AND BLANK WALL PLATE WITH ONE (1) 1" CONDUIT TO ABOVE FINISHED CEILING WHERE NOT INDICATED OTHERWISE. WHERE SHOWN ADJACENT TO RECEPTACLES ON FLOOR PLANS, PROVIDE MAXIMUM 12" BETWEEN BACK BOXES. WHERE SHOWN AS PART OF BRANCH CIRCUIT, PROVIDE CONDUCTORS WITHIN CONDUIT TO SOURCE INDICATED ON FLOOR PLANS.
	QUAD AND DATA (CONV)	PROVIDE QUAD RECEPTACLE AND COMMUNICATIONS OUTLET AT APPROXIMATE LOCATION INDICATED. BACK BOXES FOR EACH DEVICE SHALL BE MOUNTED APPROXIMATELY 6" BETWEEN BOX CENTERS. REFER TO SYMBOL LEGEND ENTRY FOR EACH DEVICE FOR ADDITIONAL REQUIREMENTS.
	QUAD AND DATA (CONV) - GFCI	PROVIDE QUAD RECEPTACLE AND COMMUNICATIONS OUTLET AT APPROXIMATE LOCATION INDICATED. BACK BOXES FOR EACH DEVICE SHALL BE MOUNTED APPROXIMATELY 6" BETWEEN BOX CENTERS. REFER TO SYMBOL LEGEND ENTRY FOR EACH DEVICE FOR ADDITIONAL REQUIREMENTS. [CONFIRM COMMUNICATIONS OUTLET SYMBOL LEGEND ENTRY IS POPULATED FOR REQUIREMENTS]

3

FIRE ALARM SYMBOL LEGEND - SCOPE 2

PLAN SYMBOL	NAME	DESCRIPTION
M	MAGNETIC DOOR HOLDER	CIRCUIT MAGNETIC DOOR HOLDER FROM FIRE ALARM SYSTEM AT SYSTEM VOLTAGE. COORDINATE PRODUCT AND INSTALLATION LOCATION WITH ASSOCIATED DOOR HARDWARE. PROVIDE SYSTEM SMOKE DETECTOR WITHIN 5 FEET OF DOOR OPENING ON EACH SIDE (UNLESS SHOWN WITH ROOM DETECTION COVERAGE ON PLAN).
FS SD	SMOKE DAMPER OR FIRE/SMOKE DAMPER	CIRCUIT SMOKE AND FIRE/SMOKE DAMPERS PROVIDED BY MECHANICAL CONTRACTOR TO 20A 120V BRANCH CIRCUITS IN ASSOCIATED LIFE SAFETY BRANCH PANEL (INSTALL CIRCUIT BREAKER LOCK ON BRANCH BREAKERS). EACH BRANCH CIRCUIT SHALL SERVE A MAXIMUM OF 20 DAMPERS. PROVIDE INDIVIDUAL CIRCUITS FOR EACH AIR HANDLING UNIT ZONE. REFER TO MECHANICAL PLANS FOR ASSOCIATED ZONES. CONTROL EACH DAMPER INDIVIDUALLY WITH ADDRESSABLE CONTROL MODULES FROM FIRE ALARM SYSTEM. LABEL EACH RELAY WITH THE NAME OF THE AIR HANDLING UNIT SERVING THE SMOKE ZONE AND WITH THE WORDS "SMOKE DAMPER CONTROL". PROVIDE SYSTEM DUCT SMOKE DETECTOR IN ACCESSIBLE LOCATION WITHIN 5 FEET OF THE DAMPER TO CONTROL DAMPER. DUCT DETECTOR MAY BE OMITTED WHERE THE DAMPER IS INSTALLED IN A CORRIDOR WALL OR CEILING AND IS CONTROLLED BY AN AREA SMOKE DETECTION SYSTEM INSTALLED IN THE CORRIDOR. CONTROL DAMPER BY ACTIVATION OF ANY SMOKE DETECTOR WITHIN AIR HANDLING UNIT ZONE. PROVIDE REMOTE STATUS INDICATOR AND TEST STATION FOR DETECTOR AND COORDINATE ASSOCIATED MOUNTING LOCATION WITH OWNER. REFER TO LOW VOLTAGE FLOOR PLANS FOR DAMPER LOCATIONS.

ELECTRICAL MISC SYMBOL LEGEND - SCOPE 2

PLAN SYMBOL	NAME	DESCRIPTION
12"x4" 12" LADDER	CABLE TRAY	PROVIDE CABLE TRAY AT LOCATIONS INDICATED ON PLANS. REFER TO FLOOR PLANS FOR TYPE DESIGNATION. COORDINATE MOUNTING WITH OTHER TRADES AND REQUIREMENTS IN SPECIFICATION. TYPE 'WIDTH x DEPTH", WIRE BASKET CABLE TRAY: PROVIDE CABLE TRAY IN DIMENSION INDICATED ON FLOOR PLANS. TYPE 'WIDTH LADDER', LADDER CABLE TRAY: PROVIDE CABLE TRAY IN DIMENSION INDICATED ON FLOOR PLANS.
	PARTIALLY SWITCHED RECEPTACLE	PROVIDE SWITCHING OF HALF OF THE RECEPTACLE INDICATED. FOR DUPLEX RECEPTACLES, SPLIT WIRE THE RECEPTACLE. FOR QUAD RECEPTACLES, PROVIDE SWITCHING OF ONE OF THE DUPLEX RECEPTACLES. WHERE SYMBOL IS SHOWN IN A CIRCLE, PROVIDE SWITCHING OF ENTIRE DUPLEX OR QUAD RECEPTACLE. PROVIDE CONTROLLED RECEPTACLE OR PORTION THEREOF WITH PERMANENT MARKING AS REQUIRED BY NEC ARTICLE 406.
XXX	LIGHTING CONTROL TAG	REFER TO LIGHTING CONTROL SCHEDULE FOR ADDITIONAL INFORMATION.
	FULLY SWITCHED RECEPTACLE	PROVIDE SWITCHING OF HALF OF THE RECEPTACLE INDICATED. FOR DUPLEX RECEPTACLES, SPLIT WIRE THE RECEPTACLE. FOR QUAD RECEPTACLES, PROVIDE SWITCHING OF ONE OF THE DUPLEX RECEPTACLES. WHERE SYMBOL IS SHOWN IN A CIRCLE, PROVIDE SWITCHING OF ENTIRE DUPLEX OR QUAD RECEPTACLE. PROVIDE CONTROLLED RECEPTACLE OR PORTION THEREOF WITH PERMANENT MARKING AS REQUIRED BY NEC ARTICLE 406.

LOW VOLTAGE COORDINATION LEGEND - SCOPE 2

SYSTEMS	ROUGH-INS & PATHWAYS	CABLING & TERMINATIONS	DEVICES & EQUIPMENT	REMARKS
ACCESS CONTROL	CF / CI	OF / OI	OF / OI	-
FIRE ALARM	CF / CI	CF / CI	CF / CI	2
LIGHTING CONTROLS	CF / CI	CF / CI	CF / CI	-
NURSE CALL	CF / CI	CF / CI	CF / CI	-
PATIENT MONITORING/TELEMETRY	CF / CI	OF / OI	OF / OI	-
PUBLIC ADDRESS	CF / CI	CF / CI	OF / OI	-
SECURITY SURVEILLANCE (CCTV)	CF / CI	OF / OI	OF / OI	-
TELEVISION (CATV)	CF / CI	OF / OI	OF / OI	-
TEMPERATURE MONITORING	CF / CI	OF / OI	OF / OI	-
VOICE / DATA	CF / CI	CF / CI	OF / OI	1
WIRELESS ACCESS POINTS	CF / CI	OF / OI	OF / OI	1

LEGEND: (LOW VOLTAGE COORDINATION LEGEND)
CF: CONTRACTOR FURNISHED
CI: CONTRACTOR INSTALLED
OF: OWNER FURNISHED
OI: OWNER INSTALLED

REMARKS: (LOW VOLTAGE COORDINATION LEGEND)
1. PATCH PANELS SHALL BE CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED PER SPECIFICATION. REFER TO TYPICAL COMMUNICATION TERMINATION DETAIL.
2. FIRE ALARM IS AN EXTENSION OF AN EXISTING SIMPLEX/JCI SYSTEM. NEW DEVICES SHALL FUNCTION AS AN EXTENSION OF THE EXISTING SYSTEM.

GENERAL NOTES: (LOW VOLTAGE COORDINATION LEGEND)
A. REFER TO SYMBOL LEGENDS AND SPECIFICATIONS FOR SPECIFIC REQUIREMENTS.
B. COORDINATE ROUGH-IN REQUIREMENTS WITH FINAL EQUIPMENT SELECTION FOR ALL SYSTEMS.
C. COORDINATE ROUGH-IN REQUIREMENTS WITH OWNER FOR OWNER FURNISHED SYSTEMS.
D. CONDUITS SHALL ROUTE CONCEALED INSIDE WALL TO ABOVE NEAREST ACCESSIBLE CEILING SPACE, UNLESS OTHERWISE INDICATED.
E. WHERE CABLING IS CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED, TERMINATE AND TEST ALL CABLING PER SPECIFICATION.

ELECTRICAL GENERAL NOTES:

(GENERAL NOTES SHALL APPLY TO ALL SHEETS)

A. BRANCH CIRCUITS WITH A TOTAL LENGTH LONGER THAN 75' SHALL UTILIZE #10 AWG CONDUCTORS. RECEPTACLE BRANCH CIRCUITS WITH A TOTAL LENGTH LONGER THAN 150' SHALL UTILIZE #8 AWG CONDUCTORS.
B. FOR ALL CONDUIT AND OTHER ITEMS PENETRATING A FIRE RATED WALL, PROVIDE UL LISTED THROUGH PENETRATION FIRE STOPPING SYSTEM THAT IS SPECIFIC TO THE WALL CONSTRUCTION ASSEMBLY AND COMPLIANT WITH ASTM E814. INSTALL SYSTEM IN STRICT COMPLIANCE WITH THE FIRE STOPPING MANUFACTURER'S U.L. APPROVED DETAIL. WHERE EXISTING WALLS ARE BEING UPGRADED TO FIRE RATED WALLS OR THE FIRE RATING IS BEING MODIFIED, PROVIDE U.L. LISTED THROUGH PENETRATION FIRE STOPPING SYSTEM FOR ALL NEW AND EXISTING PENETRATIONS. REFER TO THE ARCHITECTURAL LIFE SAFETY PLANS FOR LOCATIONS OF FIRE RATED WALLS.
C. ANY ITEMS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER.
D. NEW WIRING DEVICES AND ASSOCIATED COVERPLATES SHALL MATCH EXISTING FINISH OF SIMILAR INSTALLED DEVICES.
E. THE SELECTED EQUIPMENT AIC RATINGS ARE BASED ON THE IMPEDANCES FOR CONDUCTORS AND TRANSFORMERS USED IN THE CALCULATIONS. IF DIFFERENT EQUIPMENT OR DIFFERENT CONFIGURATIONS ARE SELECTED FOR INSTALLATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATELY RATED EQUIPMENT THAT MEETS APPLICABLE SELECTIVE COORDINATION GOALS AND PROVIDES SIMILAR INCIDENT ENERGY RISK OF ARC FLASH HAZARDS.
F. PROVIDE AN INSULATED CONTINUOUS COPPER CONDUCTOR, NOT SMALLER THAN #10, TO BOND ALL NORMAL AND ESSENTIAL ELECTRICAL SYSTEM PANELBOARDS TOGETHER THAT SERVE THE SAME INDIVIDUAL PATIENT VICINITY AS DEFINED IN NEC 517.14.
G. ALL CRITICAL AND LIFE SAFETY BRANCH CIRCUITS, INCLUDING LIGHTING AND WALL RECEPTACLES, SHALL BE MECHANICALLY PROTECTED PER NEC 517.31(C)(3). NON-FLEXIBLE RACEWAY SHALL BE USED FOR CRITICAL AND LIFE SAFETY BRANCH CIRCUITS, EXCEPT THAT THE FINAL CONNECTION TO VIBRATING EQUIPMENT OR LIGHT FIXTURES IF THE TOTAL LENGTH OF FLEXIBLE RACEWAY IS 6' OR LESS ACROSS THE ENTIRE CIRCUIT LENGTH.
H. PROVIDE ADDITIONAL SUPPORTS AS REQUIRED TO INDEPENDENTLY SUPPORT ALL EXISTING TO REMAIN CABLING.

ELECTRICAL ABBREVIATIONS

ABBREVIATION	DESCRIPTION
##"	MOUNTING HEIGHT TO CENTERLINE (ABOVE FINISHED FLOOR)
A	AMPERE
AF	AMPERE FRAME
AFF	ABOVE FINISHED FLOOR
AL	ALUMINUM
AT	AMPERE TRIP
C	CONDUIT
CB	CIRCUIT BREAKER
CCT	CORRELATED COLOR TEMPERATURE
CU	COPPER
D	DATA (WHEN APPLIED TO COMMUNICATIONS OUTLET)
D	DEMO (WHEN APPLIED TO EXISTING/DEMO ITEMS)
E	EXISTING
EO	ELECTRICALLY OPERATED
ERMS	ENERGY REDUCING MAINTENANCE SWITCH
F	FUSE
FLA	FULL LOAD AMPS
G, GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFA	GROUND FAULT ALARM
GFP	GROUND FAULT PROTECTION
HP	HORSEPOWER
KAIC	KILOAMPERE INTERRUPTING CAPACITY
KVA	KILOVOLT AMPERE
KW	KILOWATT
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MO	MANUALLY OPERATED
NC	NORMALLY CLOSED
NF	NON-FUSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
P	POLES
PART	PARTIAL
R	RELOCATE
SCCR	SHORT CIRCUIT CURRENT RATING
SPD	SURGE PROTECTIVE DEVICE
ST	SHUNT TRIP
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
V	VOICE
W	WALL PHONE
W	WIRE
WR	WEATHER RESISTANT
XFMR	TRANSFORMER
ZSI	ZONE SELECTIVE INTERLOCKING

REFER TO OTHER SCHEDULES AND NOTES FOR ADDITIONAL ABBREVIATIONS.

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ELECTRICAL SYMBOLS AND ABBREVIATIONS

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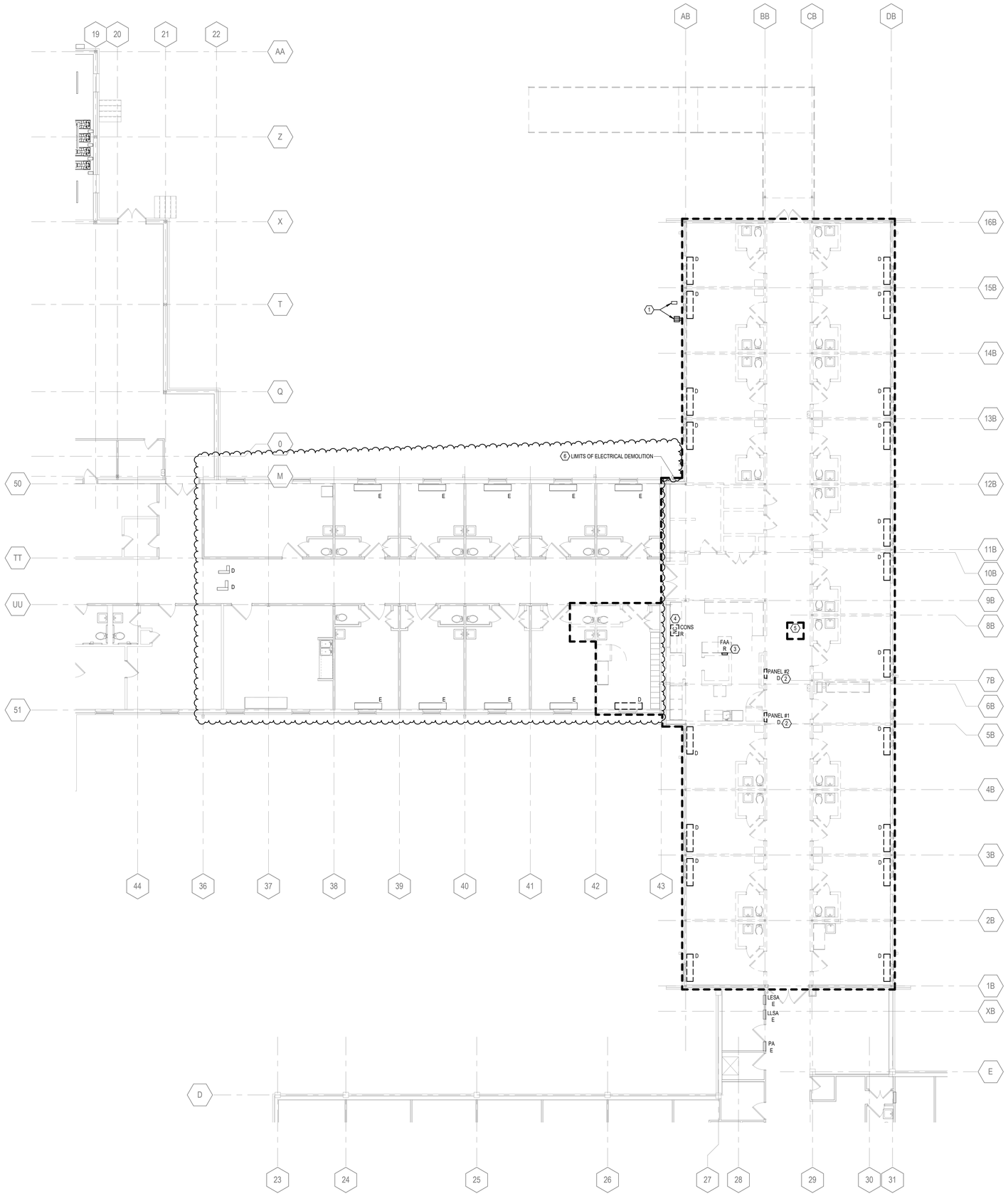

2H ELECTRICAL DEMOLITION PLAN - FIRST LEVEL
2.901.DE 1/8" = 1'-0"

ELECTRICAL DEMOLITION GENERAL NOTES:

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

A. 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:
   a. BLANKET DEMOLITION AREAS:
      - EXISTING ELECTRICAL SYSTEMS WITHIN LIMITS OF DEMOLITION SHALL BE REMOVED UNLESS OTHERWISE INDICATED.
   b. SELECTIVE DEMOLITIONS AREAS:
      - PROVIDE DEMOLITION FOR ITEMS AS SHOWN. EXISTING ELECTRICAL SYSTEMS WITHIN LIMITS OF DEMOLITION SHALL REMAIN UNLESS OTHERWISE INDICATED.

B. 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).

C. 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.

D. THE OWNER SHALL HAVE FIRST SALVAGE RIGHTS TO ALL ITEMS REMOVED. IF OWNER REFUSES SALVAGE, CONTRACTOR IS RESPONSIBLE FOR DISPOSAL.

E. 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 CONDUCTORS 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 CONDUCTORS 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 FLOOR/GRADE.

F. 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.

G. 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 OWNER'S 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.

H. COORDINATE DEMOLITION WITH THE WORK OF OTHER TRADES. PROVIDE TEMPORARY POWER AND LIGHTING AS REQUIRED TO ALLOW THE WORK OF OTHER TRADES TO PROCEED.

I. 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.

J. 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 MEANS AND METHODS.

K. 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:

1. LEAN-TO BUILDING TO BE DEMOLISHED IN ITS ENTIRETY. DEMOLISH RECEPTACLE MOUNTED ON BUILDING AND CATHODIC METER FOR OLD IN-GROUND HEATING OIL TANK.
2. 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.
3. COORDINATE TIMING OF RELOCATION OF EXISTING FIRE ALARM ANNUNCIATOR PANEL WITH LOCAL AUTHORITY HAVING JURISDICTION TO ENSURE THEY UNDERSTAND WHERE TEMPORARY MEANS OF NOTIFICATION RESIDES DURING CONSTRUCTION.
4. 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 REQUIRED COVERAGE DURING PHASED CONSTRUCTION SHOULD EXISTING SYTSEM NOT BE SUPPORTED ONCE REMOVED FROM NURSE AREA.
5. EXISTING RACK IS LOCATED IN CEILING SPACE FOR THIS AREA. RACK SHALL REMAIN SUPPORTED AND OPERATIONAL DURING CONSTRUCTION UNTIL NEW RACK IS PROVIDED IN TELECOM ROOM TO SERVE THIS AREA. COORDINATE REMOVAL WITH HOSPITAL IT PERSONEL PRIOR TO DEMOLITION.
6. 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 PROVIDE UNTIL NEW DEVICES ARE ENERGIZED AND TIED INTO EXISTING BUILDING SYSTEM.

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Keyplan

TRUE NORTH PLAN NORTH

SCOPE 1
SCOPE 2

Comm. No. P.2400141.00
Drawn PBM

Sheet Title
FIRST LEVEL - ELECTRICAL DEMOLITION PLAN

Sheet No.
2.901.DE

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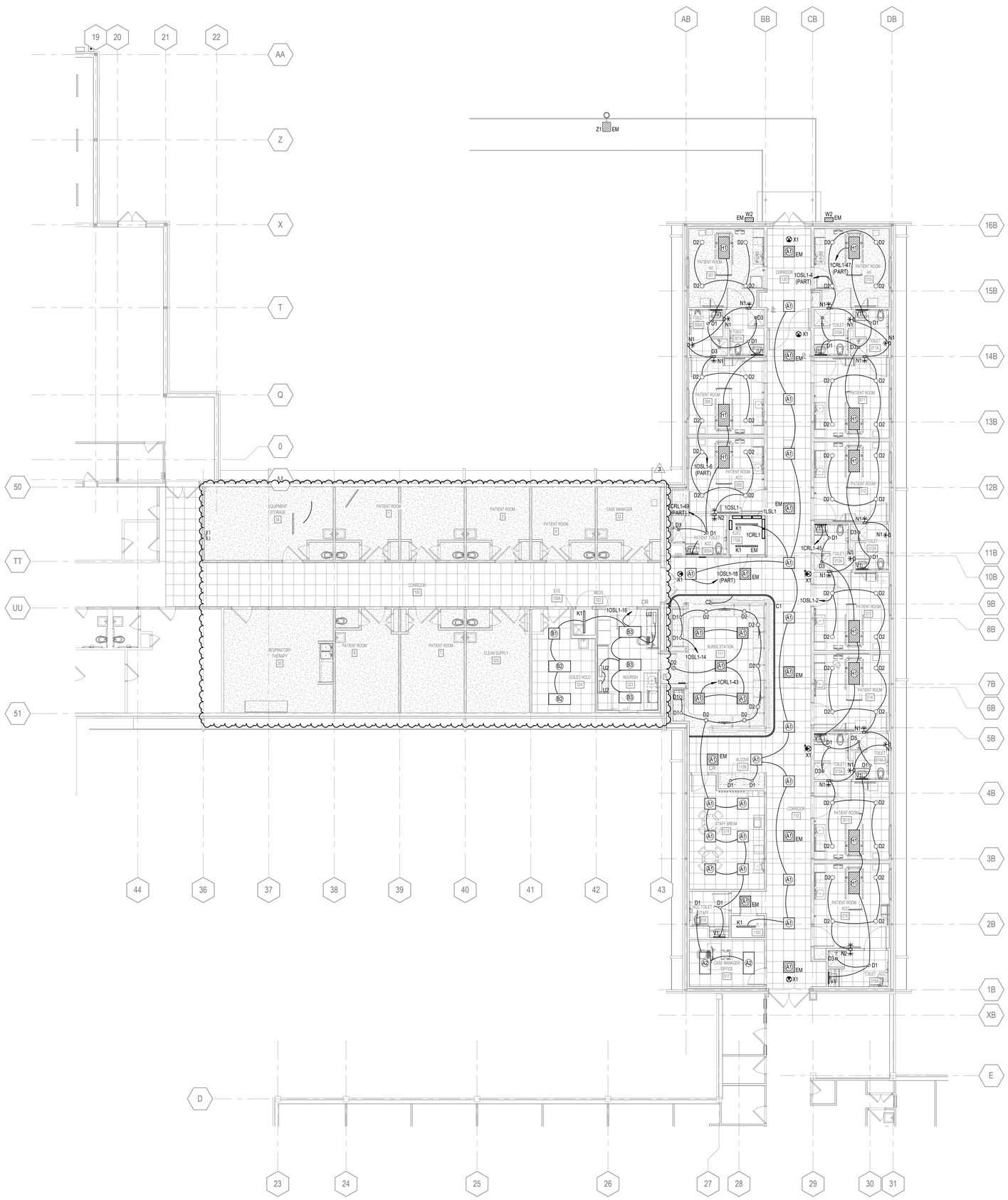

2H LIGHTING PLAN - FIRST LEVEL
2.901.L 1/8" = 1'-0"

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.
   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.
      - 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.
      - 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.
      - 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.

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

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Keyplan

TRUE NORTH PLAN NORTH

SCOPE 1
SCOPE 2

Comm. No.	Drawn
P.2400141.00	CTB

Sheet Title
FIRST LEVEL - LIGHTING PLAN

Sheet No.
2.901.L

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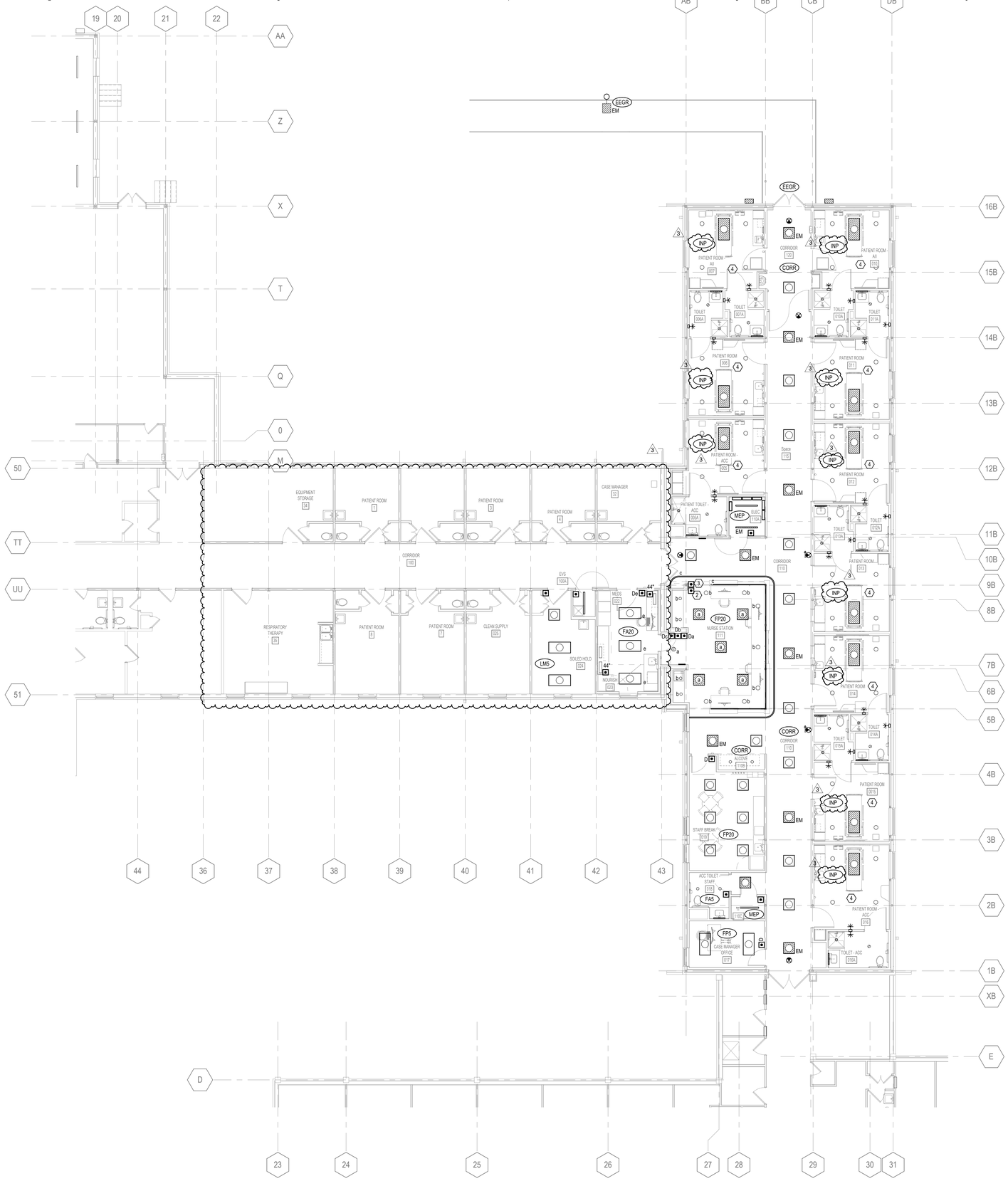

2H LIGHTING CONTROL PLAN - FIRST LEVEL
2.901.LC 1/8" = 1'-0"

LIGHTING CONTROL PLAN GENERAL NOTES:

(LIGHTING CONTROL GENERAL NOTES SHALL APPLY TO ALL SHEETS)

A. LIGHTING CONTROL DEVICES ARE INDICATED WITHOUT CONNECTION TO FIXTURE(S) BEING CONTROLLED. WITHIN EACH AREA, CONNECT CONTROL DEVICE TO SERVE LIGHT FIXTURE(S) LOCATED WITHIN SAME AREA. WHERE LIGHT FIXTURES ARE INDICATED WITH A SUBSCRIPT LETTER IDENTIFYING INDIVIDUAL LIGHTING CONTROL ZONES, CONTROL DEVICE SERVING AREA WITH MATCHING SUBSCRIPT SHALL CONTROL CORRESPONDING LIGHT FIXTURES.
B. LIGHTING CONTROL DEVICE MOUNTING HEIGHTS ARE NOT INDICATED ON LIGHTING CONTROL FLOOR PLANS FOR ALL DEVICES. CONTRACTOR SHALL COORDINATE EXACT DEVICE LOCATIONS AND MOUNTING HEIGHTS WITH ARCHITECTURAL INTERIOR ELEVATIONS, SYMBOL LEGENDS, AND TYPICAL ELECTRICAL DEVICE MOUNTING HEIGHTS DETAIL. WHERE DEVICE MOUNTING HEIGHTS ARE NOT INDICATED PER ARCHITECT, SYMBOL LEGENDS, OR DETAILS, MOUNT DEVICES AT HEIGHT INDICATED IN ELECTRICAL PROJECT SPECIFICATIONS.
C. CONTRACTOR SHALL COORDINATE ALL LIGHTING CONTROL DEVICE ROUGH-IN LOCATIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS TO ENSURE COMPATIBILITY WITH FINISHES SPECIFIED ON THE ARCHITECTURAL DRAWINGS. COORDINATE ROUTING OF ALL ELECTRICAL BRANCH CIRCUITS AND CONDUITS WITH OTHER TRADES TO ALLOW FOR SERVICE AND MAINTENANCE AND TO MINIMIZE THE USE OF ACCESS PANELS. WHERE ACCESS PANELS CANNOT BE AVOIDED, COORDINATE WORK TO INSTALL PANELS IN LOCATIONS ACCEPTABLE TO ARCHITECT.
D. WHERE DAYLIGHT HARVESTING ZONES (SIDELIT ZONES AND/OR TOPLIT ZONES) ARE INDICATED ON PLANS, PROVIDE PHOTOCELL(S) AND ANY OTHER EQUIPMENT NECESSARY TO ALLOW FOR DAYLIGHT HARVESTING WITHIN AREA. PROGRAM SYSTEM TO UTILIZE AVAILABLE DAYLIGHT AND DIM TO MAINTAIN THE INDICATED SET POINT VALUE. DAYLIGHT HARVESTING CONTROLS SHALL NOT SWITCH LUMINAIRES OFF BUT RATHER DIM TO MINIMUM DIM LEVEL.
E. REFER TO DETAILS, SCHEDULES, AND SYMBOL LEGENDS FOR ADDITIONAL REQUIREMENTS.

LIGHTING CONTROL SYSTEM GENERAL NOTES:

A. SUBMIT MANUFACTURER INTERCONNECTION DIAGRAMS INDICATING DEVICE QUANTITIES, LOCATIONS, AND ASSOCIATED CONTROLS CABLING FOR APPROVAL.
B. WHERE TOTAL SYSTEM COST (INCLUDING INSTALLATION) OF A WIRELESS AND/OR LUMINAIRE LEVEL LIGHTING CONTROL SYSTEM IS LESSER THAN A WIRED SYSTEM WHILE PROVIDING THE SAME FUNCTIONALITY, THAT SYSTEM MAY BE PROVIDED.
C. SUBMIT DOCUMENTATION CONFIRMING CONTROL SYSTEM'S ABILITY TO COMPLY WITH SPECIFIED LIGHTING CONTROL SEQUENCE OF OPERATIONS. CLEARLY IDENTITY ANY CONTROL DEVIATIONS NECESSARY DUE TO SUBMITTED CONTROL SYSTEMS FUNCTIONALITY, ALONG WITH PROPOSED SEQUENCE OF OPERATIONS.
D. DEVICE QUANTITIES NOT INDICATED. PROVIDE TYPE AND QUANTITY OF DEVICES AS REQUIRED TO PROVIDE COMPLETE COVERAGE OF SPACE AND INTENDED SYSTEM OPERATION.
E. REFER TO LIGHTING CONTROL PLAN FOR WALL DEVICE TYPES, QUANTITIES, AND LOCATIONS. REFER TO LIGHTING CONTROL WALL DEVICE SCHEDULES FOR WALL DEVICE CONFIGURATION, OPERATION, AND LABELING.
F. WHERE PHOTOCELLS ARE BEING UTILIZED FOR DAYLIGHT HARVESTING, PROVIDE ADDITIONAL COMPONENTS AS NEEDED TO CONTROL LIGHTING WITHIN DAYLIGHT ZONES INDEPENDENT OF GENERAL AREA LIGHTING WITHIN SPACE. PROVIDE MINIMUM OF (1) PHOTOCELL DEVICE PER DAYLIGHT ZONE.
G. UNLESS NOTED OTHERWISE, LIGHTING SHALL UTILIZE CONTINUOUS DIMMING AND EXTERIOR LIGHTING SHALL UTILIZE MULTI-LEVEL STEP DIMMING. COORDINATE DIMMER TYPE (FORWARD PHASE, REVERSE PHASE, 0-10V) AND DIMMER COMPATIBILITY WITH SUBMITTED LUMINAIRE AND LIGHTING CONTROL MANUFACTURER.
H. PROVIDE ALL 0-10V CONTROL WIRING AND SYSTEM PROGRAMMING NECESSARY FOR THE DIMMING AND CONTROL OF LUMINAIRES AS SPECIFIED IN THE LIGHTING CONTROL SEQUENCE OF OPERATIONS.
I. UNDERCABINET LIGHTING SHALL BE SWITCHED SEPARATELY FROM MAIN ROOM LIGHTING. UNDERCABINET LIGHTING SHALL BE CONTROLLED BY THE AUTO OFF FUNCTION OF OCCUPANCY SENSORS.
J. WHERE PHOTOCELLS ARE UTILIZED FOR DAYLIGHT HARVESTING, TARGET ILLUMINANCE LEVELS SHALL BE MEASURED AT WORK PLANE OF PRIMARY TASK IN SPACE.
K. PROVIDE FUNCTIONAL TESTING OF LIGHTING CONTROLS THAT COMPLIES WITH IECC 2018 REQUIREMENTS. LIGHTING CONTROL FUNCTIONAL TESTING INCLUDES TESTING FOR PROPER CALIBRATION, ADJUSTMENT, PROGRAMMING AND WORKING CONDITION. TESTING INDIVIDUAL SHALL NOT BE INVOLVED WITH PROJECT DESIGN OR CONSTRUCTION AND MUST PROVIDE CERTIFYING DOCUMENT THAT LIGHTING CONTROLS MEET THE PERFORMANCE CRITERIA.

SHEET NOTES:

1. MULTI-FUNCTION PATIENT OVERBED LUMINAIRE CONTROL: ZONES SHALL BE CONTROLLED AS FOLLOWS:
   A. ZONE a - EXAM
   B. ZONE b - AMBIENT
   C. ZONE c - READING
2. CORRIDOR EMERGENCY ALL ON - PROVIDE SINGLE ZONE ON/OFF PUSHBUTTON. PROVIDE LABEL INDICATING "EMERGENCY ON". BUTTON SHALL FORCE ALL CORRIDOR LIGHTING TO 100%, REGARDLESS OF SCHEDULE OR PREVIOUS CONTROL INPUT.
3. CORRIDOR DIMMING CONTROL - PROVIDE SINGLE ZONE DIMMING PUSHBUTTON FOR MANUAL DIMMING OVERRIDE OF CORRIDOR LIGHTING.
4. PROVIDE CONTROLS IN PATIENT ROOM AND ASSOCIATED TOILET AS INDICATED IN PATIENT ROOM 003 AND ASSOCIATED TOILET 003A.

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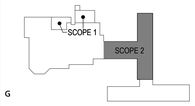

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Sheet Title
FIRST LEVEL - LIGHTING CONTROL PLAN

Sheet No.
2.901.LC

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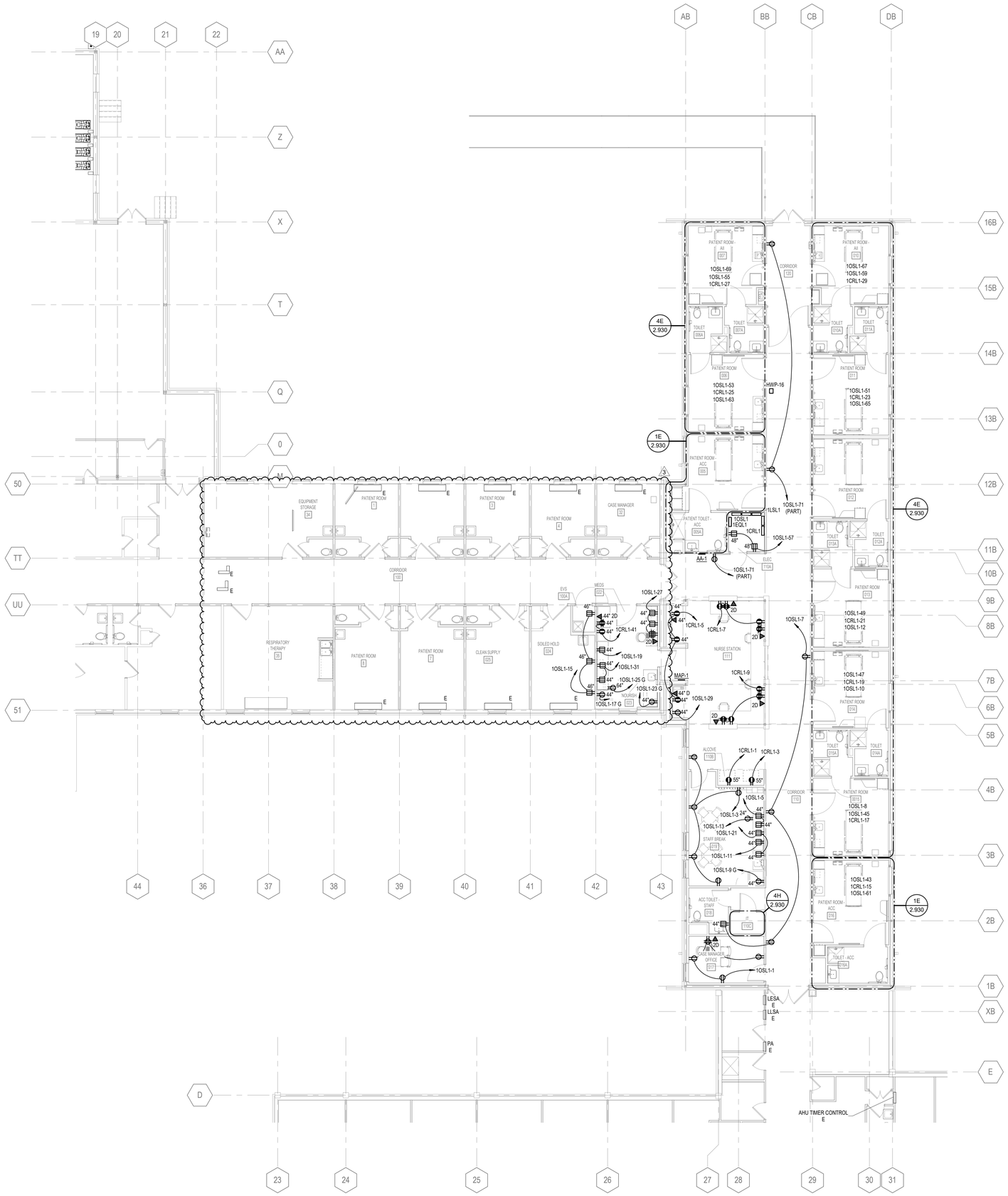

2H 2.901.P POWER PLAN - FIRST LEVEL
1/8" = 1'-0"

POWER GENERAL NOTES:

(POWER GENERAL NOTES SHALL APPLY TO ALL SHEETS)

A. ELECTRICAL DEVICE MOUNTING HEIGHTS ARE NOT INDICATED ON ELECTRICAL FLOOR PLANS FOR ALL DEVICES. CONTRACTOR SHALL COORDINATE EXACT DEVICE LOCATIONS AND MOUNTING HEIGHTS WITH ARCHITECTURAL INTERIOR ELEVATIONS, SYMBOL LEGENDS, AND TYPICAL ELECTRICAL DEVICE MOUNTING HEIGHTS DETAIL. WHERE DEVICE MOUNTING HEIGHTS ARE NOT INDICATED PER ARCHITECT, SYMBOL LEGENDS, OR DETAILS, MOUNT DEVICES AT HEIGHT INDICATED IN ELECTRICAL PROJECT SPECIFICATIONS.
B. CONTRACTOR SHALL COORDINATE ALL ELECTRICAL DEVICE ROUGH-IN LOCATIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS TO ENSURE COMPATIBILITY WITH FINISHES SPECIFIED ON THE ARCHITECTURAL DRAWINGS. COORDINATE ROUTING OF ALL ELECTRICAL BRANCH CIRCUITS AND CONDUITS WITH OTHER TRADES TO ALLOW FOR SERVICE AND MAINTENANCE AND TO MINIMIZE THE USE OF ACCESS PANELS. WHERE ACCESS PANELS CANNOT BE AVOIDED, COORDINATE WORK TO INSTALL PANELS IN LOCATIONS ACCEPTABLE TO ARCHITECT.
C. REDUNDANT GROUNDING METHODS REQUIRED FOR PATIENT CARE AREAS. REFER TO NEC FOR REQUIREMENTS AND TO PROJECT SPECIFICATIONS FOR ACCEPTABLE METHODS/APPLICATIONS.
D. GFCI TYPE RECEPTACLES ARE NOTED AS SUCH ON THE PLANS FOR PRICING PURPOSES. HOWEVER, CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE ALL RECEPTACLES INSTALLED WHERE A 6' CORD LENGTH COULD REACH THE EDGE OF A SINK HAVE GFCI PROTECTION.
E. REFER TO DETAILS, SCHEDULES, AND SYMBOL LEGENDS FOR ADDITIONAL REQUIREMENTS.

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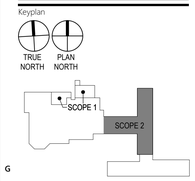
Keyplan



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FIRST LEVEL - POWER PLAN

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2.901.P

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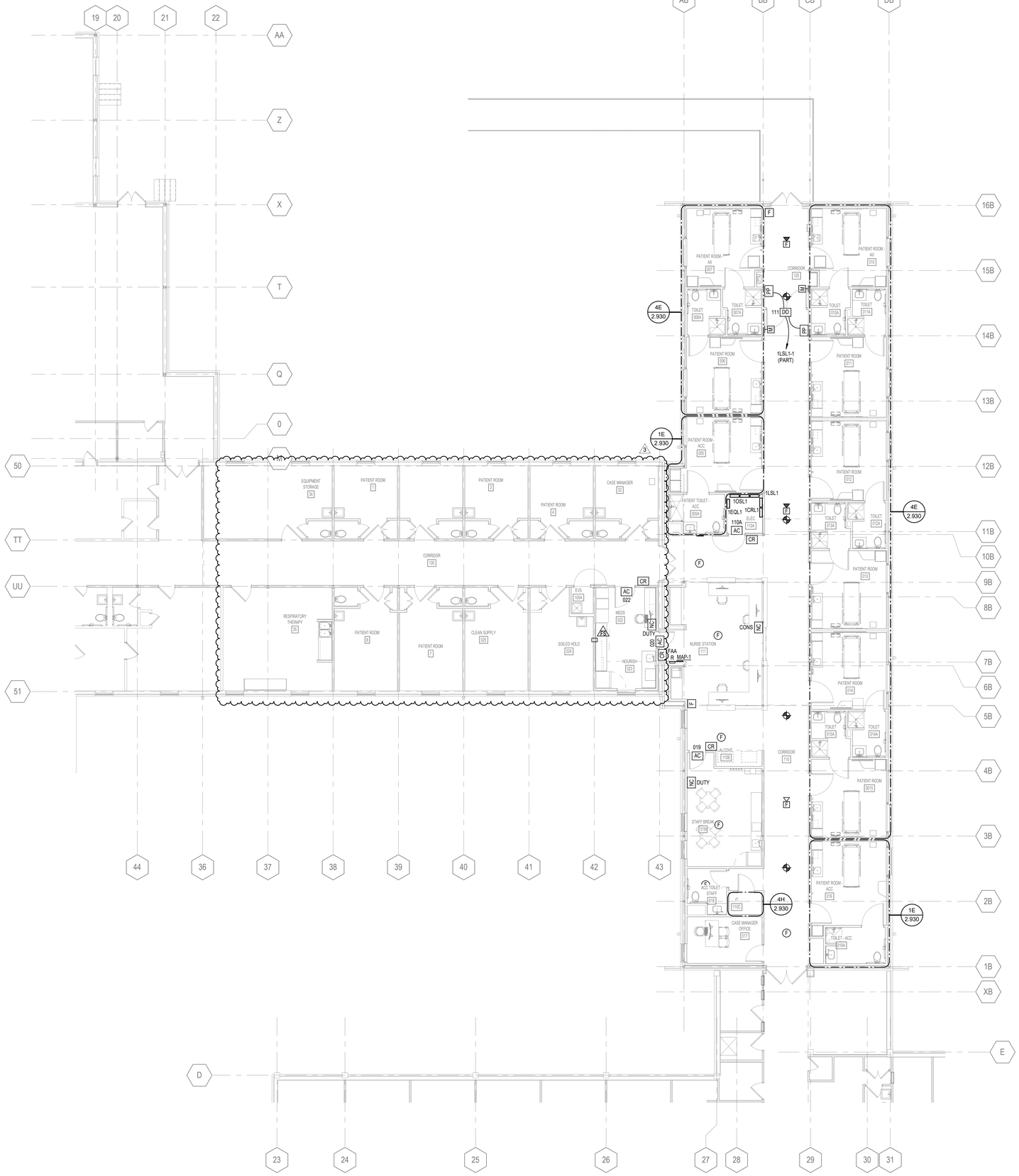

2H 2.901.V LOW VOLTAGE PLAN - FIRST LEVEL
1/8" = 1'-0"

LOW VOLTAGE GENERAL NOTES:

(LOW VOLTAGE GENERAL NOTES SHALL APPLY TO ALL SHEETS)

A. LOW VOLTAGE DEVICE MOUNTING HEIGHTS ARE NOT INDICATED ON LOW VOLTAGE FLOOR PLANS FOR ALL DEVICES. CONTRACTOR SHALL COORDINATE EXACT DEVICE LOCATIONS AND MOUNTING HEIGHTS WITH ARCHITECTURAL INTERIOR ELEVATIONS, SYMBOL LEGENDS, AND TYPICAL ELECTRICAL DEVICE MOUNTING HEIGHTS DETAIL. WHERE DEVICE MOUNTING HEIGHTS ARE NOT INDICATED PER ARCHITECT, SYMBOL LEGENDS, OR DETAILS, MOUNT DEVICES AT HEIGHT INDICATED IN ELECTRICAL PROJECT SPECIFICATIONS.
B. CONTRACTOR SHALL COORDINATE ALL LOW VOLTAGE DEVICE ROUGH-IN LOCATIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS TO ENSURE COMPATIBILITY WITH FINISHES SPECIFIED ON THE ARCHITECTURAL DRAWINGS. COORDINATE ROUTING OF ALL ELECTRICAL BRANCH CIRCUITS AND CONDUITS WITH OTHER TRADES TO ALLOW FOR SERVICE AND MAINTENANCE AND TO MINIMIZE THE USE OF ACCESS PANELS. WHERE ACCESS PANELS CANNOT BE AVOIDED, COORDINATE WORK TO INSTALL PANELS IN LOCATIONS ACCEPTABLE TO ARCHITECT.
C. COORDINATE THE LOCATIONS AND CONTROLS OF ALL FIRE/SMOKE DAMPERS WITH MECHANICAL CONTRACTOR PRIOR TO WORK.
D. REFER TO DETAILS, SCHEDULES, AND SYMBOL LEGENDS FOR ADDITIONAL REQUIREMENTS.

FIRE ALARM GENERAL NOTES:

(FIRE ALARM GENERAL NOTES SHALL APPLY TO ALL FIRE ALARM SHEETS)

A. FIRE ALARM DEVICE MOUNTING HEIGHTS ARE NOT INDICATED ON FIRE ALARM FLOOR PLANS. MOUNT DEVICES AT HEIGHT INDICATED IN ELECTRICAL PROJECT SPECIFICATIONS AND TYPICAL FIRE ALARM MOUNTING HEIGHTS DETAIL.
B. CONTRACTOR SHALL COORDINATE ALL FIRE ALARM DEVICE ROUGH-IN LOCATIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS TO ENSURE COMPATIBILITY WITH FINISHES SPECIFIED ON THE ARCHITECTURAL DRAWINGS. COORDINATE ROUTING OF ALL ELECTRICAL BRANCH CIRCUITS AND CONDUITS WITH OTHER TRADES TO ALLOW FOR SERVICE AND MAINTENANCE AND TO MINIMIZE THE USE OF ACCESS PANELS. WHERE ACCESS PANELS CANNOT BE AVOIDED, COORDINATE WORK TO INSTALL PANELS IN LOCATIONS ACCEPTABLE TO ARCHITECT.
C. COORDINATE THE LOCATIONS AND CONTROLS OF ALL FIRE/SMOKE DAMPERS WITH MECHANICAL CONTRACTOR PRIOR TO WORK.
D. REFER TO EQUIPMENT CONNECTION SCHEDULE IN THE ELECTRICAL DRAWING SET FOR REQUIRED FIRE ALARM CONTROL OF MECHANICAL EQUIPMENT. COORDINATE EQUIPMENT REQUIREMENTS WITH MECHANICAL AND CONTROLS CONTRACTORS.
E. INTEGRATE EMERGENCY LIGHTING CONTROL DEVICES 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.
F. PROVIDE FIRE ALARM CONNECTION TO DOOR OPERATORS TO DISABLE OPERATION WITHIN THE AREA UNDER ALARM. REFER TO LOW VOLTAGE PLANS FOR LOCATION OF DOOR OPERATORS.
G. PROVIDE FIRE ALARM CONNECTION TO ACCESS CONTROL SYSTEM SECURED DOORS FOR DOOR RELEASE OF DOORS WITHIN THE AREA UNDER ALARM. REFER TO LOW VOLTAGE PLANS FOR LOCATION OF SECURED DOORS.
H. PROVIDE MONITORING OF GENERATOR ALARM CONDITIONS AS SPECIFIED IN SECTION 283213.
I. PROVIDE FIRE ALARM CABLING ROUTED IN FREE AIR. SUPPORT CABLING ON J-HOOKS INDEPENDENT FROM ALL OTHER CABLING SYSTEMS.
J. REFER TO DETAILS, SCHEDULES, AND SYMBOL LEGENDS FOR ADDITIONAL REQUIREMENTS.

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

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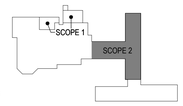

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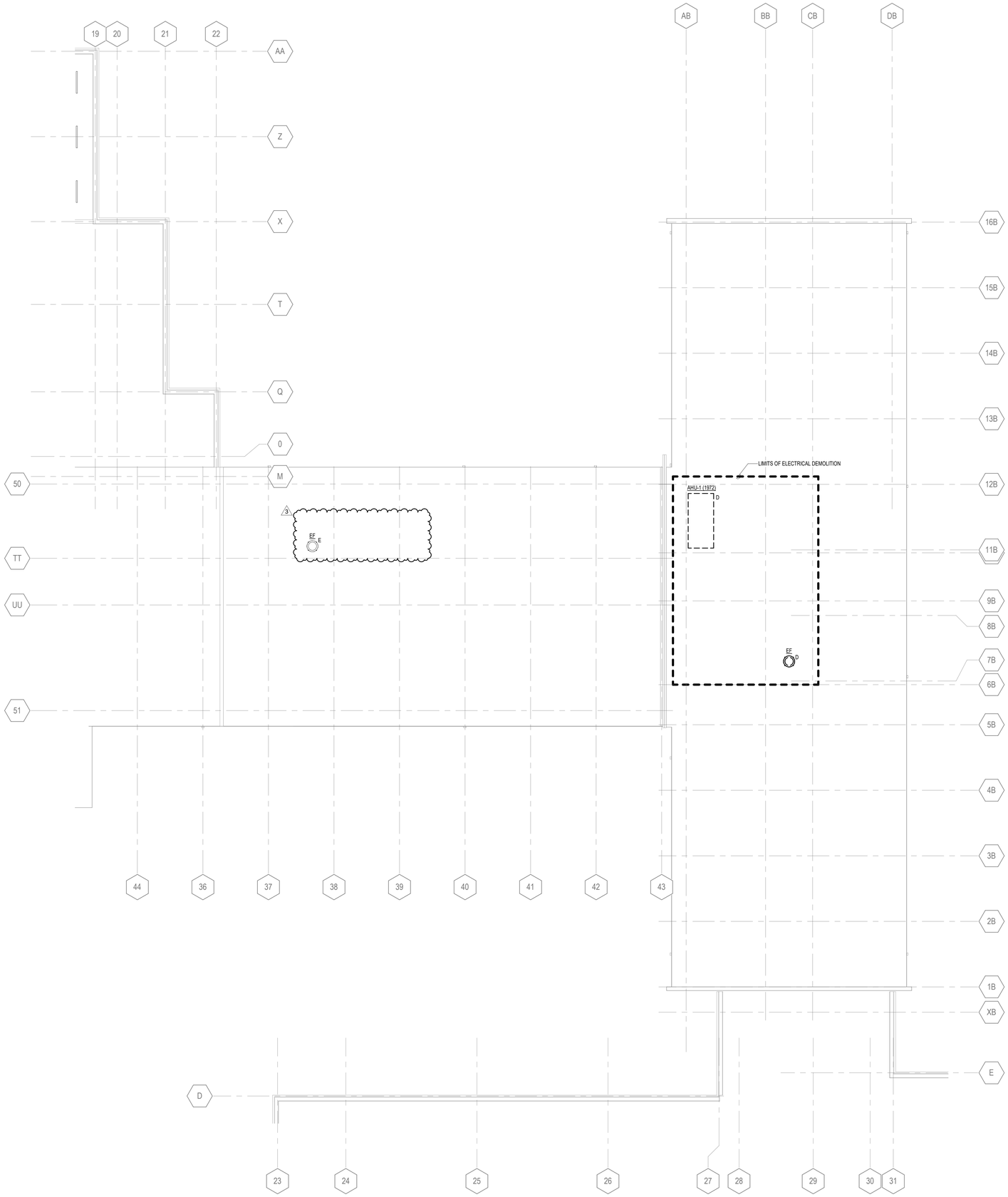
Sheet Title

FIRST LEVEL - LOW VOLTAGE PLAN

Sheet No.

2.901.V



2H ELECTRICAL DEMOLITION PLAN - ROOF LEVEL
2.902.DE 1/8" = 1'-0"

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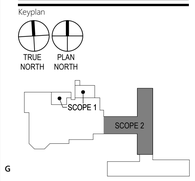

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ROOF LEVEL - ELECTRICAL DEMOLITION PLAN

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2.902.DE

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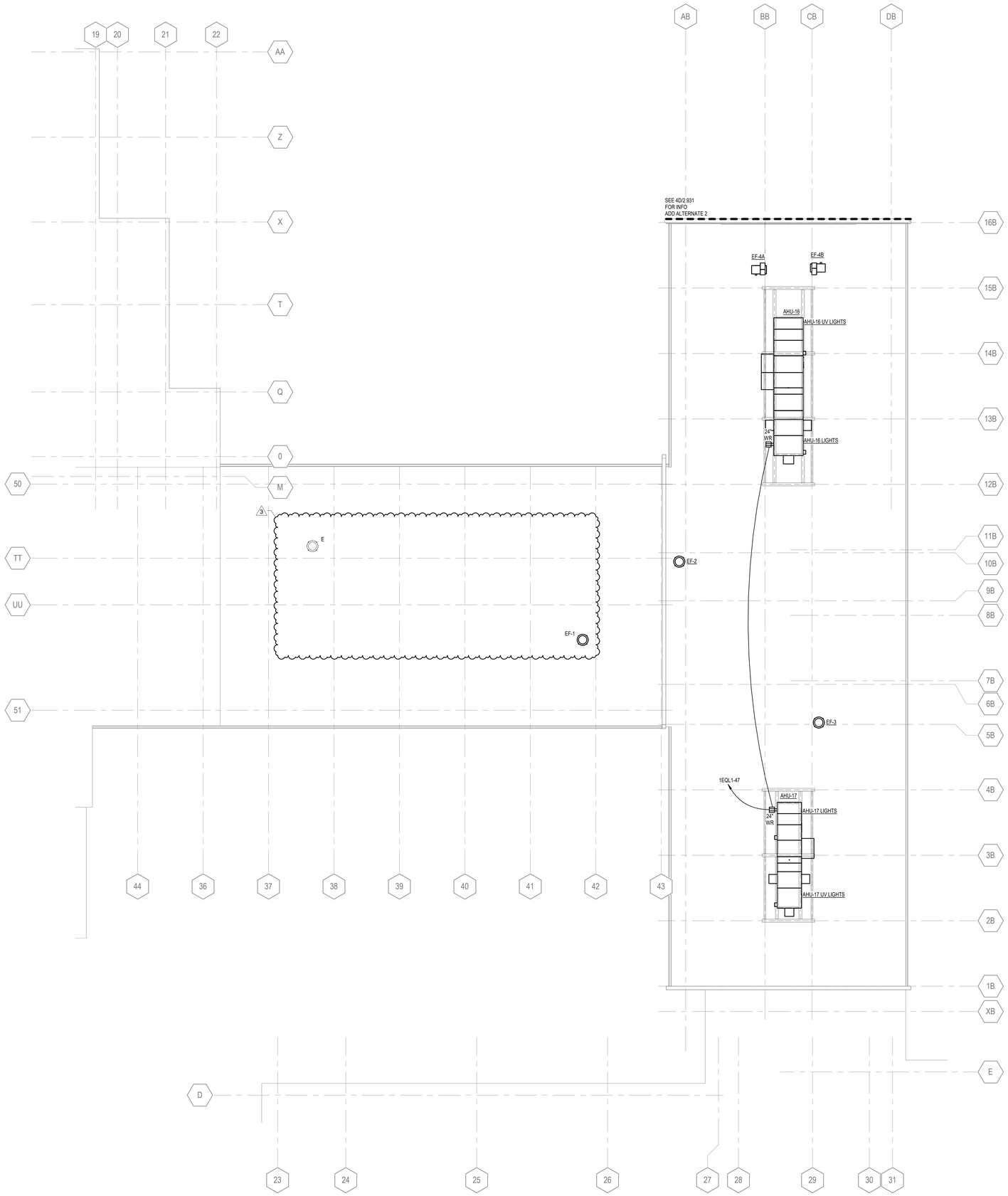

2H / 2.902.P ELECTRICAL PLAN - ROOF LEVEL
1/8" = 1'-0"

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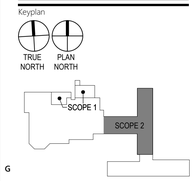

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ROOF LEVEL - POWER PLAN

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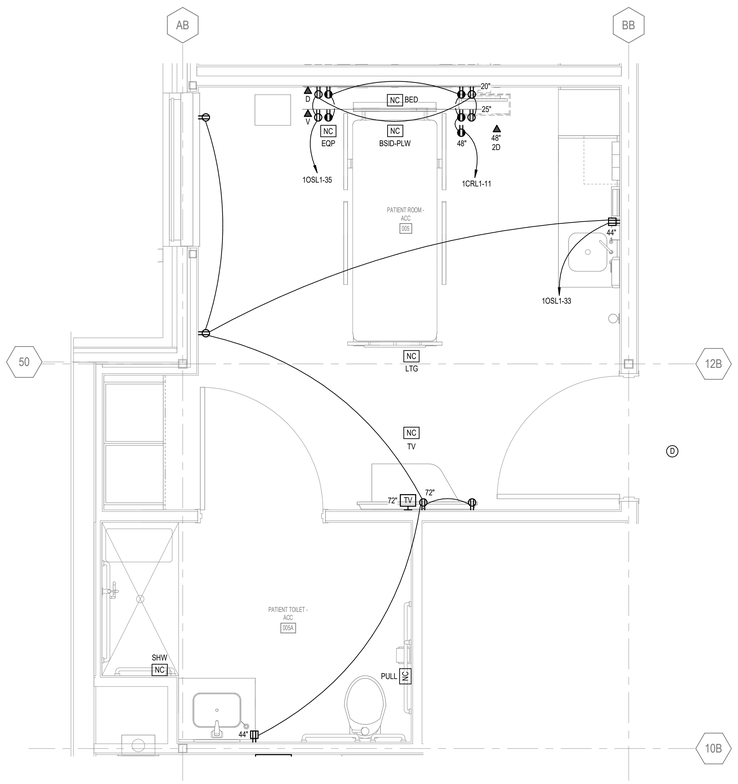
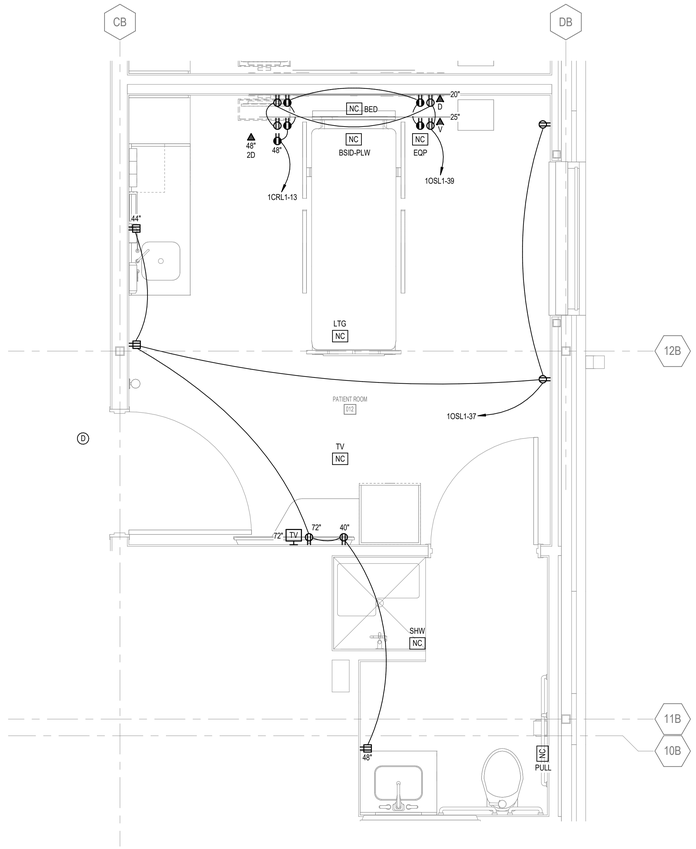
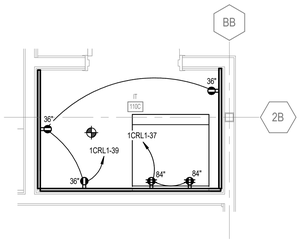


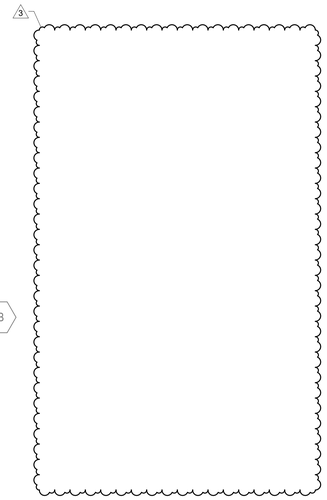
1E ENLARGED TYPICAL ACC PATIENT ROOM - POWER & LOW VOLTAGE
2.930 1/2" = 1'-0"



4E ENLARGED TYPICAL PATIENT ROOM - EAST & WEST WING - POWER & LOW VOLTAGE
2.930 1/2" = 1'-0"



4H ENLARGED IT 110C - POWER & LOW VOLTAGE
2.930 1/2" = 1'-0"



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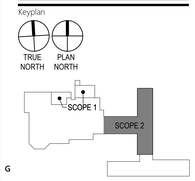

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ENLARGED FLOOR PLANS - POWER & LOW VOLTAGE

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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	[redacted]	[redacted]	[redacted]	1	15	120	1	1	200	INT	MANUFACTURER	HW	(2X) (20A) 2-#12 CU, #12 CU GND - 3/4"C.	1LSL1	5	5	Yes	
AHU-16	AIR HANDLING UNIT			[redacted]	[redacted]	37.2	39.5	45	208	3	3	13314	DDC, FA STOP	MANUFACTURER	INT	(4) (40A) 3-#8 CU, #10 CU GND - 3/4"C.	1EQL1	25,27,29	6	Yes	(1)
AHU-16 LIGHTS	LIGHTS			[redacted]	[redacted]	2.6	3.3	15	120	1	1	313	INT	MANUFACTURER	INT	(2X) (20A) 2-#12 CU, #12 CU GND - 3/4"C.	1EQL1	33	5	Yes	
AHU-16 UV LIGHTS	UV LIGHTS			[redacted]	[redacted]	1.3	1.6	15	120	1	1	156	INT	MANUFACTURER	INT	(2X) (20A) 2-#12 CU, #12 CU GND - 3/4"C.	1EQL1	35	5	Yes	
AHU-17	AIR HANDLING UNIT			[redacted]	[redacted]	18.6	20.9	30	208	3	3	6693	DDC, FA STOP	MANUFACTURER	INT	(3) (30A) 3-#10 CU, #10 CU GND - 3/4"C.	1EQL1	37,39,41	5	Yes	(1)
AHU-17 LIGHTS	LIGHTS			[redacted]	[redacted]	1.3	1.6	15	120	1	1	156	INT	MANUFACTURER	INT	(2X) (20A) 2-#12 CU, #12 CU GND - 3/4"C.	1EQL1	43	5	Yes	
AHU-17 UV LIGHTS	UV LIGHTS			[redacted]	[redacted]	1.3	1.6	15	120	1	1	156	INT	MANUFACTURER	INT	(2X) (20A) 2-#12 CU, #12 CU GND - 3/4"C.	1EQL1	45	5	Yes	
EF-1	EXHAUST FAN			0.25	[redacted]	5.8	7.3	15	120	1	1	696	DDC	MANUFACTURER	INT	(1M1) (1/6 - 1 HP 120V) 2-#12 CU, #12 CU GND - 3/4"C.	1EQL1	3	5	Yes	
EF-2	EXHAUST FAN			0.25	[redacted]	5.8	7.3	15	120	1	1	696	DDC	MANUFACTURER	INT	(1M1) (1/6 - 1 HP 120V) 2-#12 CU, #12 CU GND - 3/4"C.	1EQL1	5	5	Yes	
EF-3	EXHAUST FAN			0.25	[redacted]	5.8	7.3	15	120	1	1	696	DDC	MANUFACTURER	INT	(1M1) (1/6 - 1 HP 120V) 2-#12 CU, #12 CU GND - 3/4"C.	1EQL1	1	5	Yes	
EF-4A	EXHAUST FAN			1	[redacted]	4.6	5.8	15	208	3	3	1657	DDC	MANUFACTURER	INT	(3M3) (1/2 - 3 HP 208V) 3-#12 CU, #12 CU GND - 3/4"C.	1EQL1	7,9,11	5	Yes	
EF-4B	EXHAUST FAN			1	[redacted]	4.6	5.8	15	208	3	3	1657	DDC	MANUFACTURER	INT	(3M3) (1/2 - 3 HP 208V) 3-#12 CU, #12 CU GND - 3/4"C.	1EQL1	13,15,17	5	Yes	
EF-5	EXHAUST FAN			0.33	[redacted]	2.4	3	15	208	3	3	865	DDC	MANUFACTURER	INT	(3M3) (1/2 - 3 HP 208V) 3-#12 CU, #12 CU GND - 3/4"C.	1EQL1	19,21,23	5	Yes	(2)
HWP-16	HOT WATER PUMP			0.125	[redacted]	4.4	5.5	15	120	1	1	528	DDC	ELECTRICAL	NF 20/1	(1M1) (1/6 - 1 HP 120V) 2-#12 CU, #12 CU GND - 3/4"C.	1EQL1	31	5	Yes	
MAP-1	MASTER ALARM PANEL	NURSE STATION	111	[redacted]	[redacted]	[redacted]	1	15	120	1	1	200	INT	MANUFACTURER	HW	(2X) (20A) 2-#12 CU, #12 CU GND - 3/4"C.	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 "NA" ARE NOT APPLICABLE TO THE CONNECTION.
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.
   - "DDC" = 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 TIMESWITCH 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 VOLUME LOW SPEED (HVLS) FANS SHUT DOWN HVLS FAN UPON WATERFLOW 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" CONTROLS CONDUIT BETWEEN INDOOR AND OUTDOOR UNIT TO ACCOMMODATE CONTROL CABLING BY MECHANICAL OR TEMPERATURE CONTROLS CONTRACTOR.
   - "EPO" = PROVIDE EMERGENCY POWER OFF. REFER TO FLOOR PLANS FOR DEVICE LOCATION.
E. "DISCONNECT BY" :
   - "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 (TYP) RECEPTACLE TO ACCOMMODATE CORD AND PLUG CONNECTION (CORD AND PLUG FURNISHED WITH EQUIPMENT UNLESS NOTED OTHERWISE)
   - "REC/SW" = PROVIDE 20A 120V RECEPTACLE OR 20A TOGGLE SWITCH DISCONNECT.
     - COORDINATE REQUIRED SELECTION WITH EQUIPMENT.
   - "NF" = NON-FUSED DISCONNECT. SIZE AND POLE QUANTITY AS INDICATED. 20/1 AND SMALLER SHALL BE TOGGLE SWITCH DISCONNECT.
   - "F" = FUSED DISCONNECT. SIZE AND POLE QUANTITY AS INDICATED.
     - FUSE PER MANUFACTURER'S RECOMMENDATIONS.
   - "FUSTAT" = SWITCH AND FUSTAT. 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" = HARDWIRE. 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.
   - WHERE FEEDER INDICATED UTILIZES AN ISOLATED GROUND, PROVIDE DISCONNECT WITH ADDITIONAL INSULATED GROUND 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. "FEEDER":
   - PROVIDE CONDUCTORS AND RACEWAY AS INDICATED. TYPICAL FORMAT IS: (FEEDER TAG) (NOMINAL SIZE) CONDUCTORS AND RACEWAY REQUIRED.
H. "GEN" - EQUIPMENT IS SERVED FROM A SOURCE PANEL PROVIDED WITH GENERATOR BACK-UP.
I. "SCCR" - VALUE INDICATED IS AVAILABLE SHORT CIRCUIT CURRENT (SCC) IN KILOAMPS AT THE EQUIPMENT BASED ON PRELIMINARY DESIGN PHASE CALCULATIONS. EQUIPMENT SCCR SHALL BE MINIMUM 120% 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
PE/EP 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 BID, 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	2x2 VOLUMETRIC - 3000 LM	Y	LITHONIA	STAKP-2x2-3000LM-90CRI-40K-COL-MIN10-MVOLT	2,690	4000	90	120 V	23	CEILING - RECESSED	
A2	2x4 VOLUMETRIC - 5000 LM	Y	LITHONIA	STAKP-2x4-5000LM-90CRI-35K-COL-MIN10-MVOLT	4,600	4000	90	120 V	39	CEILING - RECESSED	
B1	2x2 BACKLIT PANEL - 3500 LM	Y	METALUX	22CGTX-35HE-L940	3,090	4000	90	120 V	27	CEILING - RECESSED	
B2	2x4 BACKLIT PANEL - 4500 LM	Y	METALUX	24CGTX-45HE-L940	3,960	4000	90	120 V	35	CEILING - RECESSED	
B3	2x4 BACKLIT PANEL - 6500 LM	Y	METALUX	24CGTX-65HE-L940	5,620	4000	90	120 V	50	CEILING - RECESSED	
C1	COVE - NURSE STATION - LED FLEX	P	LLI ARCHITECTURAL	LLI-N3.7W-68-SSS-40K-24V-X	150/FT	4000	80	120 V	4	COVE - SURFACE	4
C2	DESK - NURSE STATION - LED FLEX	P	LLI ARCHITECTURAL	LLI-N3.7W-68-SSS-40K-24V-X	150/FT	4000	80	120 V	4	CASEWORK - SURFACE	4
D1	4" ROUND OPEN DOWNLIGHT - 1000 LM	Y	LITHONIA	LDN4-40/10-LO4-AR-LSS-TRW-MVOLT-GZ10-90CRI	890	4000	90	120 V	11	CEILING - RECESSED	
D2	6" ROUND OPEN DOWNLIGHT - 1500 LM	Y	LITHONIA	LDN6-40/15-LO4-AR-LSS-TRW-MVOLT-GZ10-90CRI	1,280	4000	90	120 V	18	CEILING - RECESSED	
D3	4" ROUND SHOWER DOWNLIGHT - 2000 LM	Y	GOTHAM	EVO4SH-40/20-DFR-SMO-MVOLT-EZ1-90CRI	1,430	4000	90	120 V	20	CEILING - RECESSED	
H1	2x4 PATIENT OVERBED MULTI-FUNCTION	P	AXIS	BCMF2-24-90-40-RD35-AMW-UNV-DP-TB*	12,210	4000	90	120 V	124	CEILING - RECESSED	
K1	LENSED STRIP - 4' - 5500 LM	Y	DAY-BRITE	FSS-4-55L-840-UNV-DIM	5,360	4000	80	120 V	41	CHAIN HUNG	
N1	NIGHTLIGHT - AMBER	P	AXIS	BCS-S-RH-AMB-AMW-UNV	--	--	--	120 V	1	WALL - SURFACE	2
N2	NIGHTLIGHT - THRU WALL - AMBER	P	AXIS	BCS-THR-RH-AMB-AMW-UNV	--	--	--	120 V	2	WALL - SURFACE	2
U2	2' UNDERCABINET LIGHT	Y	HALO	HU11-24 -D9-3000K-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	WDGE1-LED-P1-30K-80CRI-VF-MVOLT-D*	1,160	3000	70	120 V	10	WALL - SURFACE	2
X1	EXIT SIGN - SINGLE	Y	LITHONIA	LQM-S-W-3-R-120/277	--	--	--	120 V	1	CEILING - SURFACE	1
Z1	TYPE 2 AREA - 14' POLE	Y	LITHONIA	RSX1-LED-P1-30K-R2-MVOLT-RPA-D*	6,480	3000	70	120 V	51	14' POLE	5

REMARKS: (LUMINAIRE SCHEDULE)
1. EXIT SIGNS - REFER TO ELECTRICAL PLANS FOR DIRECTION INDICATORS AND MOUNTING TYPE.
2. WALL MOUNTING - COORDINATE EXACT LOCATION WITH ARCHITECT AND ARCHITECTURAL DETAILS. COORDINATE FRAMING AND BOX SUPPORTS PRIOR TO ROUGH-IN FOR EXACT PLACEMENT OF BOX TO ACHIEVE CENTERING AND ALIGNMENT WITH FINAL ARCHITECTURAL FINISHES.
3. GYP CEILING MOUNTING - PROVIDE WITH MANUFACTURER'S FLANGE MOUNTING KIT/ACCESSORY(S) TO ALLOW FOR RECESSED MOUNTING OF LUMINAIRE WITHIN GYP CEILING.
4. COVE/CASEWORK LIGHTING - DRAWINGS PROVIDE GENERAL ILLUMINATION OF LIGHTING FEATURE LAYOUT. COORDINATE EXACT LENGTH OF PRODUCT WITH ARCHITECTURAL DETAILS TO PROVIDE CONTINUOUS ILLUMINATION FOR ENTIRE LENGTH OF FEATURE. PROVIDE ALL ACCESSORIES AND EQUIPMENT AS NEEDED FOR A COMPLETE INSTALLATION, INCLUDING, BUT NOT LIMITED TO: REMOTE DRIVERS, WIRING JUMPERS, MOUNTING CLIPS, ETC.
5. 14' POLE MOUNT - PROVIDE 14' STEEL, STRAIGHT, ROUND POLE WITH PAINT OVER PRIMER FINISH TO MATCH FIXTURE. PROVIDE 4" POLE BASE PER DETAIL 1H ON SHEET 2.960.
6. UNDERCABINET- PROVIDE ALL NECESSARY MANUFACTURER'S INSTALLATION ACCESSORIES TO ACCOMMODATE INSTALLATION, INCLUDING, BUT NOT LIMITED TO: SPLICE BOXES, END CONNECTORS, AND JUMPER/DAISY CHAIN CONNECTORS. COORDINATE LENGTH(S) OF JUMPER CABLES TO MINIMIZE SPARE LENGTH AT EACH LOCATION.

GENERAL NOTES: (LUMINAIRE SCHEDULE)
A. CATALOG NUMBER VERIFICATION - CONTRACTOR SHALL VERIFY LIGHTING FIXTURE INSTALLATION REQUIREMENTS AND CATALOG NUMBER PRIOR TO ORDERING.
B. SUBSTITUTIONS - WHERE INDICATED WITH 'N' (NO), NO SUBSTITUTIONS WILL BE ACCEPTED. WHERE INDICATED WITH 'P' (PRIOR APPROVAL), SUBSTITUTIONS MUST BE APPROVED PRIOR TO BID WITH ACCEPTANCE ISSUED BY ADDENDUM. WHERE INDICATED WITH 'Y' (YES), THE FOLLOWING MANUFACTURER'S ARE CONSIDERED ACCEPTABLE EQUIVALENT MANUFACTURER'S, PROVIDED THE EQUIVALENT FIXTURE IS OF THE SAME QUALITY, EFFICIENCY, PERFORMANCE AND CHARACTERISTICS AS THAT SCHEDULED:
   1. ACUITY BRANDS
   2. COOPER BRANDS
   3. HUBBELL
   4. WILLIAMS
   5. SIGNIFY BRANDS
C. FIXTURE FINISH - WHERE CATALOG NUMBER LISTED INDICATES '*' IN LIEU OF MANUFACTURER'S FINISH OPTION, COORDINATE WITH ARCHITECT FOR EXACT FINISH PRIOR TO ORDERING.

LIGHTING CONTROL WALL DEVICE SCHEDULE

KEYPAD ID	DESCRIPTION	REQUIRED BUTTON FUNCTIONS
NO MARK	SINGLE ZONE - ON/OFF	ON @ 100%, OFF
D	SINGLE ZONE - CONTINUOUS DIMMING	ON @ 100%, RAISE, LOWER, OFF

LIGHTING CONTROL SCENE DEVICE SCHEDULE

KEYPAD ID	BUTTON	BUTTON LABEL	SCENE DESCRIPTION
S4	1	CHARTING	ZONE d TO 10%, ALL OTHER ZONES OFF
	2	ALL ON	ZONES b, d, AND e TO 100%, ALL OTHER ZONES OFF
	3	NIGHT	ZONES b, d, AND e TO 40%, ALL OTHER ZONES OFF
	4	ALL OFF	ALL ZONES OFF

GENERAL NOTES (LIGHTING CONTROL SCENE/WALL DEVICE SCHEDULES):
1. 'ON' AND 'OFF' FUNCTIONS MAY BE COMBINED TO A SINGLE 'ON/OFF' BUTTON. 'RAISE' AND 'LOWER' FUNCTIONS MUST BE PROVIDED WITH DEDICATED BUTTONS, 'HOLD TO DIM' FUNCTIONALITY IS NOT ALLOWED.
2. SEE LIGHTING CONTROL SEQUENCE OF OPERATIONS FOR ADDITIONAL INFORMATION.
3. SUBMIT PROPOSED LOW VOLTAGE SWITCH BUTTON CONFIGURATIONS FOR ALL LOW VOLTAGE SWITCHES, CLEARLY IDENTIFYING ANY DEVIATIONS THAT NEED TO BE MADE DUE TO SWITCH CONFIGURATION OR ENGRAVING CONSTRAINTS FOR APPROVAL. IF SUBMITTED BUTTON CONFIGURATIONS DO NOT MEET DESIGN INTENT, ADDITIONAL LOW VOLTAGE SWITCHES MAY BE REQUIRED.
4. WHERE TASK TUNING LIGHT LEVELS ARE NOT SPECIFIED, 'ON' OR 'OCCUPIED' SHALL BE 100% OUTPUT WHILE 'OFF' OR 'UNOCCUPIED' SHALL BE 0% OUTPUT.
5. SUBSCRIPT LETTER(S) CORRESPOND TO LIGHTING ZONE(S) IN AREA.
6. DEVICES MUST BE CAPABLE OF 3 AND 4 WAY SWITCHING FROM ADDITIONAL DEVICES.

LIGHTING CONTROL SEQUENCE OF OPERATIONS

TAG	SPACE TYPE	OCCUPANCY SENSOR TYPE	OCCUPANCY SENSOR TIME DELAY	AUTO ON %	AUTO OFF %	NETWORK	RECEPTACLE CONTROL	SCHEDULE CONTROL	REMARKS
CORR	CORRIDOR/VESTIBULE	IR-L	20 / 5	100 / 50	20 / 0	Y	N	A	
EEGR	EXTERIOR EGRESS	N	-	100 / *	* / 0	Y	-	C	
FA5	FINE MOTION - AUTO ON - 5 MINUTE	DT-F	5	100	0	Y	N	-	
FA20	FINE MOTION - AUTO ON - 20 MINUTE	DT-F	20	100	0	Y	N	-	
FP5	FINE MOTION - PARTIAL AUTO ON - 5 MINUTE	DT-F	5	50	0	Y	N	-	
FP20	FINE MOTION - PARTIAL AUTO ON - 20 MINUTE	DT-F	20	50	0	Y	N	-	
INP	INPATIENT ROOM	N	-	-	-	Y	N	-	
LM5	LARGE MOTION - MANUAL ON - 5 MINUTE	DT-L	5	M	0	Y	N	-	
MEP	MECHANICAL/ ELECTRICAL	N	-	-	-	Y	N	-	

REMARKS: (LIGHTING CONTROL SEQUENCE OF OPERATIONS)
1. NOT USED.

GENERAL NOTES: (LIGHTING CONTROL SEQUENCE OF OPERATIONS)
A. WHERE MULTIPLE CONTROL ZONES ARE INDICATED WITHIN A SPACE, THE 'AUTO ON' AND 'AUTO OFF' FUNCTIONS SHALL INCLUDE ALL CONTROL ZONES WITHIN THE SPACE UNLESS NOTED OTHERWISE.
B. DAYLIGHT HARVESTING - REFER TO LIGHTING CONTROL PLAN FOR DAYLIGHT ZONES REQUIRING PHOTOCELL CONTROL AND THEIR ASSOCIATED LIGHTING SET POINTS. TARGET ILLUMINANCE LEVELS SHALL BE MEASURED AT THE WORK PLANE OF THE PRIMARY TASK WITHIN THE SPACE.
C. OCCUPANCY SENSOR – PROVIDE OCCUPANCY SENSOR TYPE AS INDICATED BELOW. OCCUPANCY SENSORS SHALL BE CEILING MOUNTED.
   1. SENSOR TYPE:
      - N = NO OCCUPANCY SENSOR(S)
      - IR = PASSIVE INFRARED
      - DT = DUAL-TECHNOLOGY
   2. SENSOR OPTIONS:
      - F = FINE MOTION - CAPABLE OF DETECTING HAND MOTION
      - L = LARGE MOTION - CAPABLE OF DETECTING WALKING MOTION
      - LTHH = LOW TEMPERATURE/HIGH HUMIDITY
      - HB = HIGH BAY
      - O = OUTDOOR
D. AUTO ON % - WHEN OCCUPANCY IS DETECTED WITHIN SPACE, ROOM LIGHTING SHALL BE TURNED ON TO SPECIFIED LIGHT LEVEL. WHERE INDICATED WITH 'M', ROOM SHALL BE MANUAL ON.
E. AUTO OFF % - WHEN SPECIFIED SENSOR TIME DELAY IS REACHED, ROOM LIGHTING SHALL BE REDUCED TO SPECIFIED LIGHT LEVEL. WHERE INDICATED AS ZERO PERCENT, ROOM LIGHTING SHALL BE SWITCHED OFF.
F. NETWORK – NETWORKED LIGHTING CONTROL SYSTEM INTERCOMMUNICATION:
   1. Y = PROVIDE NETWORK COMMUNICATIONS BETWEEN CONTROL DEVICES LIGHTING CONTROL SYSTEM HEAD END
   2. N = CONNECTION TO SYSTEM HEAD END NOT REQUIRED
G. RECEPTACLE CONTROL – OCCUPANCY SENSOR CONTROL OF SELECTED ROOM RECEPTACLES:
   1. Y = OCCUPANCY SENSOR SHALL SWITCH OFF INDICATED RECEPTACLES 20 MINUTES AFTER ALL OCCUPANTS HAVE VACATED SPACE
   2. N = RECEPTACLE CONTROL NOT REQUIRED IN SPACE
H. SCHEDULE CONTROL – NORMAL BUSINESS HOURS SHALL BE CONSIDERED 9:00 AM TO 4:00 PM. COORDINATE EXACT BUSINESS HOURS WITH BUILDING OWNER DURING PROGRAMMING.
   1. WHERE THE SEQUENCE INDICATES MULTIPLE SET POINT VALUES (TIME DELAY, AUTO ON %, AUTO OFF %), EACH VALUE SHALL BE THE SET POINT AT THE CORRESPONDING SCHEDULED TIMES INDICATED BELOW. FOR EXAMPLE, A TIME DELAY INDICATED AS 20 / 5 WITH A CORRESPONDING SCHEDULE OF 8:00 AM TO 5:00 PM / 5:00 PM TO 8:00 AM SHALL REQUIRE A 20 MINUTE DELAY FROM 8:00 AM TO 5:00 PM AND A 5 MINUTE DELAY FROM 5:00 PM TO 8:00 AM.
   2. PROJECT SCHEDULES:
      - SCHEDULE 'A' - 7:30 AM TO 5:30 PM / 5:30 PM TO 7:30 AM
      - SCHEDULE 'B' - FROM 15 MINUTES PRIOR TO DUSK TO 1 HOUR AFTER BUSINESS HOURS / FROM 1 HOUR AFTER CLOSE OF BUSINESS TO 1 HOUR BEFORE BUSINESS HOURS / FROM 1 HOUR BEFORE BUSINESS HOURS TO 15 MINUTES AFTER DAWN / FROM 15 MINUTES AFTER DAWN TO 15 MINUTES BEFORE DUSK
      - SCHEDULE 'C' - FROM 15 MINUTES PRIOR TO DUSK TO MIDNIGHT / FROM MIDNIGHT TO 6:00 AM / FROM 6:00 AM TO 15 MINUTES AFTER DAWN / FROM 15 MINUTES AFTER DAWN TO 15 MINUTES BEFORE DUSK

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LAWRENCE COUNTY HOSPITAL

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20398
STATE OF MISSISSIPPI

Issued For

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

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Sheet Title
ELECTRICAL SCHEDULES

Sheet No.
2.970

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LIGHTING PANEL: 1LSL1

LOCATION:	ELEC 110A	VOLTS:	208/120 WYE	MAINS TYPE:	MCB
SUPPLY FROM:	LSDP	PHASES:	3	MCB/MLO RATING:	100 A
BRANCH:	LIFE SAFETY	WIRES:	4	MCB OPTIONS:	LSI
SERVICE RATED:	No	INTEGRAL SPD:	Yes	SECTIONS:	1
MOUNTING:	SURFACE	AVAILABLE SCC (kA):	3	PANEL POLES:	42
NEMA ENCLOSURE:	1				

CKT	CIRCUIT DESCRIPTION	OPT	RATING	POLES	A		B		C		POLES	RATING	OPT	CIRCUIT DESCRIPTION	CKT
1	DOOR OP 127 & 111		20 A	1	600 VA	--					1	--	--	SPACE	2
3	MAP-1 NURSE STATION 111		15 A	1			200 VA	--			1	--	--	SPACE	4
5	AA-1 CORRIDOR 110		15 A	1					200 VA	--	1	--	--	SPACE	6
7	EM LTG CORRIDOR 100		20 A	1	304 VA	--					1	--	--	SPACE	8
9	FS DAMPER		20 A	1			40 VA	--			1	--	--	SPACE	10
11	SPARE	--	20 A	1					0 VA	--	1	--	--	SPACE	12
13	SPARE	--	20 A	1	0 VA	--					1	--	--	SPACE	14
15	SPARE	--	20 A	1			0 VA	--			1	--	--	SPACE	16
17	SPARE	--	20 A	1					0 VA	--	1	--	--	SPACE	18
19	SPARE	--	20 A	1	0 VA	--					1	--	--	SPACE	20
21	SPARE	--	20 A	1			0 VA	--			1	--	--	SPACE	22
23	SPARE	--	20 A	1					0 VA	--	1	--	--	SPACE	24
25	SPARE	--	20 A	1	0 VA	--					1	--	--	SPACE	26
27	SPARE	--	20 A	1			0 VA	--			1	--	--	SPACE	28
29	SPACE	--	--	1					--	--	1	--	--	SPACE	30
31	SPACE	--	--	1	--	--					1	--	--	SPACE	32
33	SPACE	--	--	1			--	--			1	--	--	SPACE	34
35	SPACE	--	--	1					--	--	1	--	--	SPACE	36
37	SPACE	--	--	1	--	--					1	--	--	SPACE	38
39	SPACE	--	--	1			--	--			1	--	--	SPACE	40
41	SPACE	--	--	1					--	--	1	--	--	SPACE	42
			TOTAL LOAD:		904 VA		240 VA		200 VA						
			TOTAL AMPS:		8 A		2 A		2 A						

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
LTG	304 VA	125.00%	379 VA	CONNECTED LOAD:	1344 VA
Other	40 VA	125.00%	50 VA	CONNECTED CURRENT:	4 A
PWR-C	600 VA	125.00%	750 VA	DEMAND LOAD:	1679 VA
MEQ-C	400 VA	125.00%	500 VA	DEMAND CURRENT:	5 A
				CONSIDER 125% DEMAND:	2099 A
				EQUIPMENT AMPS:	100 A
				FEEDER AVAILABLE:	
				SPARE CAPACITY:	95 %
					95 A

OPTIONS:

CIRCUIT BREAKER OPTIONS SUFFIX: 'S' OR 'ST' - PROVIDE SHUNT TRIP CIRCUIT BREAKER / 'G' OR 'GFCI' - PROVIDE GFCI CIRCUIT BREAKER / 'GFP' - PROVIDE GFP CIRCUIT BREAKER / 'ERMS' - ENERGY REDUCING MAINTENANCE SWITCH / 'ZSI' - ZONE SELECTIVE INTERLOCKING / 'L' - PROVIDE CIRCUIT BREAKER WITH LOCKING PROVISIONS / 'R' - PROVIDE CIRCUIT BREAKER WITH RED MARKING

GENERAL REMARKS:

A. PANEL AIC (INTERRUPTING) RATING SHALL BE MINIMUM 120% OF THE AVAILABLE SCC (SHORT CIRCUIT CURRENT).

LIGHTING PANEL: 1EQL1

LOCATION:	ELEC 110A	VOLTS:	208/120 WYE	MAINS TYPE:	MCB
SUPPLY FROM:	EQDP	PHASES:	3	MCB/MLO RATING:	200 A
BRANCH:	EQUIPMENT	WIRES:	4	MCB OPTIONS:	LSI
SERVICE RATED:	No	INTEGRAL SPD:	Yes	SECTIONS:	1
MOUNTING:	SURFACE	AVAILABLE SCC (kA):		PANEL POLES:	60
NEMA ENCLOSURE:	1				

CKT	CIRCUIT DESCRIPTION	OPT	RATING	POLES	A		B		C		POLES	RATING	OPT	CIRCUIT DESCRIPTION	CKT
1	EF-3 ROOF		15 A	1	696 VA	0 VA					1	20 A	--	SPARE	2
3	EF-1 ROOF		15 A	1			696 VA	0 VA			1	15 A	--	SPARE	4
5	EF-2 ROOF		15 A	1					696 VA	0 VA	1	15 A	--	SPARE	6
7					552 VA	0 VA					1	15 A	--	SPARE	8
9	EF-4A ROOF		15 A	3			552 VA	0 VA			1	20 A	--	SPARE	10
11									552 VA	0 VA	1	20 A	--	SPARE	12
13					552 VA	0 VA					1	20 A	--	SPARE	14
15	EF-4B ROOF		15 A	3			552 VA	0 VA			1	20 A	--	SPARE	16
17									552 VA	0 VA	1	20 A	--	SPARE	18
19					288 VA	0 VA					1	20 A	--	SPARE	20
21	EF-5 ROOF		15 A	3			288 VA	0 VA			1	20 A	--	SPARE	22
23									288 VA	0 VA					24
25					4438 VA	0 VA					3	15 A	--	SPARE	26
27	AHU-16 ROOF		45 A	3			4438 VA	0 VA							28
29									4438 VA	0 VA					30
31	HWP-16		15 A	1	528 VA	0 VA					3	15 A	--	SPARE	32
33	AHU-16 LIGHTS		15 A	1			313 VA	0 VA							34
35	AHU-16 UV LIGHTS		15 A	1					156 VA	0 VA					36
37					2231 VA	0 VA					3	30 A	--	SPARE	38
39	AHU-17 ROOF		30 A	3			2231 VA	0 VA							40
41									2231 VA	--	1	--	--	SPACE	42
43	AHU-17 LIGHTS		20 A	1	156 VA	--					1	--	--	SPACE	44
45	AHU-17 UV LIGHTS		20 A	1			156 VA	--			1	--	--	SPACE	46
47	REC ROOF		20 A	1					360 VA	--	1	--	--	SPACE	48
49	SPARE	--	20 A	1	0 VA	--					1	--	--	SPACE	50
51	SPARE	--	20 A	1			0 VA	--			1	--	--	SPACE	52
53	SPARE	--	20 A	1					0 VA	--	1	--	--	SPACE	54
55	SPARE	--	20 A	1	0 VA	--					1	--	--	SPACE	56
57	SPARE	--	20 A	1			0 VA	--			1	--	--	SPACE	58
59	SPARE	--	20 A	1					0 VA	--	1	--	--	SPACE	60
			TOTAL LOAD:		9442 VA		9227 VA		9274 VA						
			TOTAL AMPS:		79 A		77 A		77 A						

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
LTG	469 VA	125.00%	586 VA	CONNECTED LOAD:	27943 VA
REC	360 VA	100.00%	360 VA	CONNECTED CURRENT:	78 A
MEQ-C	27114 VA	125.00%	33893 VA	DEMAND LOAD:	34839 VA
				DEMAND CURRENT:	97 A
				CONSIDER 125% DEMAND:	43548 A
				EQUIPMENT AMPS:	200 A
				FEEDER AVAILABLE:	
				SPARE CAPACITY:	51 %
					103 A

OPTIONS:

CIRCUIT BREAKER OPTIONS SUFFIX: 'S' OR 'ST' - PROVIDE SHUNT TRIP CIRCUIT BREAKER / 'G' OR 'GFCI' - PROVIDE GFCI CIRCUIT BREAKER / 'GFP' - PROVIDE GFP CIRCUIT BREAKER / 'ERMS' - ENERGY REDUCING MAINTENANCE SWITCH / 'ZSI' - ZONE SELECTIVE INTERLOCKING / 'L' - PROVIDE CIRCUIT BREAKER WITH LOCKING PROVISIONS / 'R' - PROVIDE CIRCUIT BREAKER WITH RED MARKING

GENERAL REMARKS:

A. PANEL AIC (INTERRUPTING) RATING SHALL BE MINIMUM 120% OF THE AVAILABLE SCC (SHORT CIRCUIT CURRENT).

LIGHTING PANEL: 1CRL1

LOCATION:	ELEC 110A	VOLTS:	208/120 WYE	MAINS TYPE:	MCB
SUPPLY FROM:	CRDP	PHASES:	3	MCB/MLO RATING:	200 A
BRANCH:	CRITICAL	WIRES:	4	MCB OPTIONS:	LSI
SERVICE RATED:	No	INTEGRAL SPD:	Yes	SECTIONS:	2
MOUNTING:	SURFACE	AVAILABLE SCC (kA):	6	PANEL POLES:	84
NEMA ENCLOSURE:	1				

CKT	CIRCUIT DESCRIPTION	OPT	RATING	POLES	A		B		C		POLES	RATING	OPT	CIRCUIT DESCRIPTION	CKT
1	CRASH CART ALCOVE 110B		20 A	1	500 VA	0 VA					1	20 A	--	SPARE	2
3	CRASH CART ALCOVE 110B		20 A	1			500 VA	0 VA			1	20 A	--	SPARE	4
5	REC NURSE STATION 111		20 A	1					1060 VA	0 VA	1	20 A	--	SPARE	6
7	REC NURSE STATION 111		20 A	1	1080 VA	0 VA					1	20 A	--	SPARE	8
9	REC NURSE STATION 111		20 A	1			1080 VA	0 VA			1	20 A	--	SPARE	10
11	REC PATIENT ROOM - ACC 005		20 A	1					900 VA	0 VA	1	20 A	--	SPARE	12
13	REC PATIENT ROOM 012		20 A	1	900 VA	0 VA					1	20 A	--	SPARE	14
15	REC PATIENT ROOM - ACC 016		20 A	1			900 VA	0 VA			1	20 A	--	SPARE	16
17	REC PATIENT ROOM 0015		20 A	1					900 VA	0 VA	1	20 A	--	SPARE	18
19	REC PATIENT ROOM 014		20 A	1	900 VA	0 VA					1	20 A	--	SPARE	20
21	REC PATIENT ROOM 013		20 A	1			900 VA	0 VA			1	20 A	--	SPARE	22
23	REC PATIENT ROOM 011		20 A	1					900 VA	0 VA	1	20 A	--	SPARE	24
25	REC PATIENT ROOM 006		20 A	1	900 VA	0 VA					1	20 A	--	SPARE	26
27	REC PATIENT ROOM - AII 007		20 A	1			900 VA	0 VA			1	20 A	--	SPARE	28
29	REC PATIENT ROOM - AII 010		20 A	1					900 VA	0 VA	1	20 A	--	SPARE	30
31	REC PATIENT ROOM 002		20 A	1	900 VA	--					1	--	--	SPACE	32
33	REC PATIENT ROOM 008		20 A	1			900 VA	--			1	--	--	SPACE	34
35	REC PATIENT ROOM 009		20 A	1					900 VA	--	1	--	--	SPACE	36
37	REC IT 110C		20 A	1	720 VA	--					1	--	--	SPACE	38
39	REC IT 110C		20 A	1			540 VA	--			1	--	--	SPACE	40
41	PYXIS MEDS 022		20 A	1					540 VA	--	1	--	--	SPACE	42
43	LTG NURSE STATION 111		20 A	1	114 VA	--					1	--	--	SPACE	44
45	LTG TOILET 013A		20 A	1			736 VA	--			1	--	--	SPACE	46
47	LTG PATIENT ROOM - AII 010		20 A	1					736 VA	--	1	--	--	SPACE	48
49	LTG PATIENT TOILET - ACC...		20 A	1	736 VA	--					1	--	--	SPACE	50
51	SPARE	--	20 A	1			0 VA	--			1	--	--	SPACE	52
53	SPARE	--	20 A	1					0 VA	--	1	--	--	SPACE	54
55	SPARE	--	20 A	1	0 VA	--					1	--	--	SPACE	56
57	SPARE	--	20 A	1			0 VA	--			1	--	--	SPACE	58
59	SPARE	--	20 A	1					0 VA	--	1	--	--	SPACE	60
61	SPARE	--	20 A	1	0 VA	--					1	--	--	SPACE	62
63	SPARE	--	20 A	1			0 VA	--			1	--	--	SPACE	64
65	SPARE	--	20 A	1					0 VA	--	1	--	--	SPACE	66
67	SPARE	--	20 A	1	0 VA	--					1	--	--	SPACE	68
69	SPARE	--	20 A	1			0 VA	--			1	--	--	SPACE	70
71	SPARE	--	20 A	1					0 VA	--	1	--	--	SPACE	72
73	SPARE	--	20 A	1	0 VA	--					1	--	--	SPACE	74
75	SPARE	--	20 A	1			0 VA	--			1	--	--	SPACE	76
77	SPARE	--	20 A	1					0 VA	--	1	--	--	SPACE	78
79	SPARE	--	20 A	1	0 VA	--					1	--	--	SPACE	80
81	SPARE	--	20 A	1			0 VA	--			1	--	--	SPACE	82
83	SPARE	--	20 A	1					0 VA	--	1	--	--	SPACE	84
			TOTAL LOAD:		6750 VA		6456 VA		6836 VA						
			TOTAL AMPS:		57 A		54 A		57 A						

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
LTG	2323 VA	125.00%	2903 VA	CONNECTED LOAD:	20043 VA
PWR-C	2060 VA	125.00%	2575 VA	CONNECTED CURRENT:	56 A
REC	15660 VA	81.93%	12830 VA	DEMAND LOAD:	18308 VA
				DEMAND CURRENT:	51 A
				CONSIDER 125% DEMAND:	22885 A
				EQUIPMENT AMPS:	200 A
				FEEDER AVAILABLE:	
				SPARE CAPACITY:	74 %
					149 A

OPTIONS:

CIRCUIT BREAKER OPTIONS SUFFIX: 'S' OR 'ST' - PROVIDE SHUNT TRIP CIRCUIT BREAKER / 'G' OR 'GFCI' - PROVIDE GFCI CIRCUIT BREAKER / 'GFP' - PROVIDE GFP CIRCUIT BREAKER / 'ERMS' - ENERGY REDUCING MAINTENANCE SWITCH / 'ZSI' - ZONE SELECTIVE INTERLOCKING / 'L' - PROVIDE CIRCUIT BREAKER WITH LOCKING PROVISIONS / 'R' - PROVIDE CIRCUIT BREAKER WITH RED MARKING

GENERAL REMARKS:

A. PANEL AIC (INTERRUPTING) RATING SHALL BE MINIMUM 120% OF THE AVAILABLE SCC (SHORT CIRCUIT CURRENT).

LIGHTING PANEL: 1OSL1

LOCATION:	ELEC 110A	VOLTS:	208/120 WYE	MAINS TYPE:	MCB
SUPPLY FROM:	OSDP	PHASES:	3	MCB/MLO RATING:	250 A
BRANCH:	OPTIONAL STANDBY	WIRES:	4	MCB OPTIONS:	LSI
SERVICE RATED:	No	INTEGRAL SPD:	No	SECTIONS:	2
MOUNTING:	SURFACE	AVAILABLE SCC (kA):	10	PANEL POLES:	120
NEMA ENCLOSURE:	1				

CKT	CIRCUIT DESCRIPTION	OPT	RATING	POLES	A		B		C		POLES	RATING	OPT	CIRCUIT DESCRIPTION	CKT
1	REC OFFICE 017		20 A	1	900 VA	288 VA					1	20 A		LTG PATIENT ROOM 013	2
3	REC STAFF BREAK 019		20 A	1			900 VA	286 VA			1	20 A		LTG PATIENT ROOM - AII 010	4
5	REC STAFF BREAK 019		20 A	1					360 VA	288 VA	1	20 A		LTG PATIENT ROOM - ACC 005	6
7	REC CORR 110		20 A	1	720 VA	1200 VA					1	20 A		REC PATIENT ROOM 0015	8
9	FRIDGE STAFF BREAK 019		20 A	1			1000 VA	1200 VA			1	20 A		REC PATIENT ROOM 014	10
11	COFFEE MAKER STAFF BREA...		20 A	1					1200 VA	1200 VA	1	20 A		REC PATIENT ROOM 013	12
13	MICROWAVE STAFF BREAK 019		20 A	1	1500 VA	444 VA					1	20 A		LTG STAFF BREAK 019	14
15	REC - SOILED HOLD 024		20 A	1			540 VA	320 VA			1	20 A		LTG RESPIRATORY THERAPY...	16
17	FRIDGE NOURISH 023		20 A	1					1000 VA	399 VA	1	20 A		LTG CORRIDOR 100	18
19	REC NOURISH 023		20 A	1	1800 VA	720 VA					1	20 A		REC PATIENT ROOM 002	20
21	REC STAFF BREAK 019		20 A	1			360 VA	1200 VA			1	20 A		REC PATIENT ROOM 009	22
23	ICE MACHINE NOURISH 023	G	20 A	1					1800 VA	1200 VA	1	20 A		REC PATIENT ROOM 009	24
25	MICROWAVE NOURISH 023	G	20 A	1	1500 VA	720 VA					1	20 A		REC PATIENT ROOM 009	26
27	REC MEDS 022		20 A	1			720 VA	720 VA			1	20 A		REC PATIENT ROOM 008	28
29	REC NURSE REPORT 020		20 A	1					180 VA	540 VA	1	20 A		REC CORR 120	30
31	REC - NOURISH 023		20 A	1	360 VA	0 VA					1	20 A	--	SPARE	32
33	REC PATIENT ROOM - ACC 005		20 A	1			1200 VA	0 VA			1	20 A	--	SPARE	34
35	REC PATIENT ROOM - ACC 005		20 A	1					720 VA	0 VA	1	20 A	--	SPARE	36
37	REC PATIENT ROOM 012		20 A	1	1200 VA	0 VA					1	20 A	--	SPARE	38
39	REC PATIENT ROOM 012		20 A	1			720 VA	0 VA			1	20 A	--	SPARE	40
41	REC PATIENT ROOM 002		20 A	1					1380 VA	0 VA	1	20 A	--	SPARE	42
43	REC PATIENT ROOM - ACC 016		20 A	1	720 VA	0 VA					1	20 A	--	SPARE	44
45	REC PATIENT ROOM 0015		20 A	1			720 VA	0 VA			1	20 A	--	SPARE	46
47	REC PATIENT ROOM 014		20 A	1					720 VA	0 VA	1	20 A	--	SPARE	48
49	REC PATIENT ROOM 013		20 A	1	720 VA	0 VA					1	20 A	--	SPARE	50
51	REC PATIENT ROOM 011		20 A	1			720 VA	0 VA			1	20 A	--	SPARE	52
53	REC PATIENT ROOM 006		20 A	1					720 VA	0 VA	1	20 A	--	SPARE	54
55	REC PATIENT ROOM - AII 007		20 A	1	720 VA	0 VA					1	20 A	--	SPARE	56
57	REC ELEC 110A		20 A	1			360 VA	0 VA			1	20 A	--	SPARE	58
59	REC PATIENT ROOM - AII 010		20 A	1					720 VA	0 VA	1	20 A	--	SPARE	60
61	REC PATIENT ROOM - ACC 016		20 A	1	1200 VA	0 VA					1	20 A	--	SPARE	62
63	REC PATIENT ROOM 006		20 A	1			1200 VA	0 VA			1	20 A	--	SPARE	64
65	REC PATIENT ROOM 011		20 A	1					1200 VA	0 VA	1	20 A	--	SPARE	66
67	REC PATIENT ROOM - AII 010		20 A	1	1200 VA	0 VA					1	20 A	--	SPARE	68
69	REC PATIENT ROOM - AII 007		20 A	1			1200 VA	0 VA			1	20 A	--	SPARE	70
71	REC CORR 120		20 A	1					540 VA	0 VA	1	20 A	--	SPARE	72
73	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	74
75	SPARE	--	20 A	1			0 VA	0 VA			1	20 A	--	SPARE	76
77	SPARE	--	20 A	1					0 VA	0 VA	1	20 A	--	SPARE	78
79	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	80
81	SPARE	--	20 A	1			0 VA	--			1	--	--	SPACE	82
83	SPARE	--	20 A	1					0 VA	--	1	--	--	SPACE	84
85	SPARE	--	20 A	1	0 VA	--					1	--	--	SPACE	86
87	SPARE	--	20 A	1			0 VA	--			1	--	--	SPACE	88
89	SPARE	--	20 A	1					0 VA	--	1	--	--	SPACE	90
91	SPARE	--	20 A	1	0 VA	--					1	--	--	SPACE	92
93	SPARE	--	20 A	1			0 VA	--			1	--	--	SPACE	94
95	SPARE	--	20 A	1					0 VA	--	1	--	--	SPACE	96
97	SPARE	--	20 A	1	0 VA	--					1	--	--	SPACE	98
99	SPARE	--	20 A	1			0 VA	--			1	--	--	SPACE	100
101	SPARE	--	20 A	1					0 VA	--	1	--	--	SPACE	102
103	SPARE	--	20 A	1	0 VA	--					1	--	--	SPACE	104
105	SPARE	--	20 A	1			0 VA	--			1	--	--	SPACE	106
107	SPARE	--	20 A	1					0 VA	--	1	--	--	SPACE	108
109	SPARE	--	20 A	1	0 VA	--					1	--	--	SPACE	110
111	SPARE	--	20 A	1			0 VA	--			1	--	--	SPACE	112
113	SPARE	--	20 A	1					0 VA	--	1	--	--	SPACE	114
115	SPARE	--	20 A	1	0 VA	--					1	--	--	SPACE	116
117	SPARE	--	20 A	1			0 VA	--			1	--	--	SPACE	118
119	SPARE	--	20 A	1					0 VA	--	1	--	--	SPACE	120
			TOTAL LOAD:		15912 VA		13366 VA		14167 VA						
			TOTAL AMPS:		134 A		111 A		119 A						

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
LTG	2025 VA	125.00%	2531 VA	CONNECTED LOAD:	43445 VA
PWR-C	10700 VA	125.00%	13375 VA	CONNECTED CURRENT:	121 A
REC	30720 VA	66.28%	20360 VA	DEMAND LOAD:	36266 VA
				DEMAND CURRENT:	101 A
				CONSIDER 125% DEMAND:	45333 A
				EQUIPMENT AMPS:	250 A
				FEEDER AVAILABLE:	
				SPARE CAPACITY:	59 %
					149 A

OPTIONS:

CIRCUIT BREAKER OPTIONS SUFFIX: 'S' OR 'ST' - PROVIDE SHUNT TRIP CIRCUIT BREAKER / 'G' OR 'GFCI' - PROVIDE GFCI CIRCUIT BREAKER / 'GFP' - PROVIDE GFP CIRCUIT BREAKER / 'ERMS' - ENERGY REDUCING MAINTENANCE SWITCH / 'ZSI' - ZONE SELECTIVE INTERLOCKING / 'L' - PROVIDE CIRCUIT BREAKER WITH LOCKING PROVISIONS / 'R' - PROVIDE CIRCUIT BREAKER WITH RED MARKING

GENERAL REMARKS:

A. PANEL AIC (INTERRUPTING) RATING SHALL BE MINIMUM 120% OF THE AVAILABLE SCC (SHORT CIRCUIT CURRENT).

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Southwest Mississippi Regional Medical Center
Southwest Health

LAWRENCE COUNTY HOSPITAL

INFRASTRUCTURE UPGRADES AND INPATIENT REMODEL

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20398
STATE OF MISSISSIPPI

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ELECTRICAL PANEL SCHEDULES

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