

Addendum No. 2
Wound Care Relocation
Kings Daughter's Medical Center
Russell, Kentucky

Addendum Issue Date: November 12, 2025

This Addendum is a modification of the Project Manual and Drawings dated September 9, 2025 for the construction of the above listed project. The modifications, revisions, and clarifications are as follows:

Item 1: Bidding Documents

- A. Bids shall be due as described in the Advertisement for Bids on November 19, 2025 (11/19/2025).
- B. Invitation to Bid Clarification: Date was changed from date from 10/23/2025 to 10/29/2025.
- C. Replace Form of Proposal in its entirety. See attached.

Item 2: Specifications

- A. Insert Specification Section 012100 Allowances in its entirety. See attached.
- B. Insert Specification Section 012300 Alternates in its entirety. See attached.
- C. Insert the following Material Selection and Finish Schedules/Plans into Specification Section 090520. See attached.

Item 3: Drawing A1.0:

- A. See attached for revisions to the door schedule. Note door 127A has changed from existing double door to new 90min single 4'-0" leaf. Infill area at existing opening.
- B. Clarification: wall around Hyperbaric Chamber shall be no less than 2hr in construction. At this time, the condition of the existing wall is unknown. See Specification Section 012100 for additional information regarding this wall.

Item 4: Drawing A3.0 Series:

- A. Note: All existing casework in the exam rooms is to be replaced as part of the base bid. See attached sketch A3.2R1 for sink work area in Room LL127.
- B. Revise casework note 2 to read: Bullnose solid surface or Postform edge. See Finish Schedule.
- C. Omit Casework Note 24 and references to it on casework elevations.

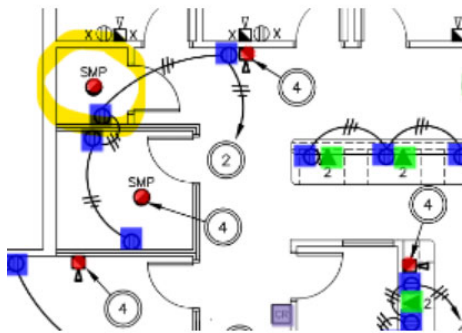
- Item 5: Drawing P1.1:
A. See attached drawing for addition of medical gas equipment schedules.
- Item 6: Drawing P2.1:
A. See attached drawing for addition of modifications to vent piping serving hyperbaric chambers.
- Item 7: Drawing P2.3:
A. See attached drawing for addition of oxygen piping serving hyperbaric chambers and bulk oxygen storage system.
- Item 8: Drawing P3.1:
A. See attached drawing for addition of emergency oxygen supply connection detail.
- Item 9: Drawing M2.1:
A. See attached drawing for addition of fire dampers.
- Item 10: Drawing M3.1:
A. See attached drawing for addition of fire damper details.
- Item 11: Drawing M3.1:
A. See attached drawing for addition of emergency oxygen supply connection detail.
- Item 12: Specification 226214:
A. See attached for additional specification section. Insert into the Specification Manual.
- Item 13: Clarifications:
A. Can you please let us know the manufacturer of the existing Fire Alarm system? **Edwards io1000 panel**
B. I have another question for you. Will the use of MC cable in walls and above ceiling be acceptable for lighting and convenience power circuits? **Hospital-grade MC cable is acceptable.**
C. Sheet E1.2 shows to disconnect and reinstall the fire alarm devices in the new construction. All of them show to be reinstalled except for (1) smoke detector. Is that a new smoke or should it have the same "Note 4" as all the other relocated devices? If it is an addition, it will change the fire alarm scope of work. Moving them around won't be an issue, but if we add to the existing system, we will have to have the system recommissioned and it will require more work and money. **The smoke detector is to be relocated. All horn/strobe and smoke detectors shall be relocated from existing conditions.**

- D. What is needed on the Type R2? The description is for a 2x4 flat panel and the drawing reads this way also. However, the CSS L40 Lithonia is a strip. Can they verify if they need the strip or the flat panel? **Fixture type R2 should be a 2x4 flat panel: Lithonia: EPANL-2X4-4000LM-80CRI-35K-MIN1-ZT-MVOLT or approved equal from HE WILLIAMS, COLUMBIA, METALUX.**
- E. Can more information be provided on the IV tracks, and IV Five Bottle Holders? They are marked as CFCI, but we can't determine quantity or location Omit **reference to IV tracks and IV Five Bottle Holders.**
- F. Exam rooms 8 (LL114), 9 (LL115), and 10 (LL116) appear to have ceilings remaining on demo plan and new work plan. There are new soffits being built in these spaces. Are we to rework the existing ceiling as necessary or would it be preferred to do new ceilings in these rooms **Re-work existing ceiling tiles.**

Issued by: Zachwieja Workman Architects/Consultants, Inc.

Questions received from the Contractor by deadline.

1. Can you please let us know the manufacturer of the existing Fire Alarm system?
Edwards io1000 panel
2. I have another question for you. Will the use of MC cable in walls and above ceiling be acceptable for lighting and convenience power circuits? *See Addendum.*
3. Sheet E1.2 shows to disconnect and reinstall the fire alarm devices in the new construction. All of them show to be reinstalled except for (1) smoke detector. Is that a new smoke or should it have the same "Note 4" as all the other relocated devices? If it is an addition, it will change the fire alarm scope of work. Moving them around won't be an issue, but if we add to the existing system, we will have to have the system recommissioned and it will require more work and money. *See Addendum.*
4. "What is needed on the Type R2? The description is for a 2x4 flat panel and the drawing reads this way also. However, the CSS L40 Lithonia is a strip. Can they verify if they need the strip or the flat panel?"



See Addendum.

5. It is stated that a two hour fire wall is to be added around hyper baric chambers. This wall is in the hallway also. Are we to assume this is to be demoed and rebuilt to the deck, because it does not reflect on the demo plans? *See Addendum and allowances.*
The current condition of these walls are unknown at this time.
6. When will the finish schedule be posted? *See Addendum.*
7. There appears to be missing door notes (3-6) on the door schedule. Can you provide those please? *See Addendum.*
8. Is the TV, mounting hardware, and hand sanitizers provided by Owner, or are they CFCI?
OFOI

9. Can you provide a floor finish plan? Plans say refer to spec and the spec indicates this is provided by Owner. We cannot discern which type of floor finish goes where in the drawings [See Addendum](#).
10. Can more information be provided on the IV tracks, and IV Five Bottle Holders? They are marked as CFCI, but we can't determine quantity or location [See Addendum](#). [Rework existing](#) .
11. Can the wall protection (i.e. crash rails, chair guards, etc.) be identified on the plans, or a room schedule be provided where these are to go? We cannot discern the areas to receive this. [See Addendum](#)
12. Exam rooms 8 (LL114), 9 (LL115), and 10 (LL116) appear to have ceilings remaining on demo plan and new work plan. There are new soffits being built in these spaces. Are we to rework the existing ceiling as necessary or would it be preferred to do new ceilings in these rooms? [See Addendum](#)
13. Can you confirm whether asbestos abatement of any kind should be included in the bid being an existing space? [No asbestos is in the project area.](#)

FORM OF PROPOSAL

Date: _____

Project Name: Wound Care Relocation

City: Russell, KY

Bid # _____

Name of Contractor: _____

Mailing Address: _____

Business Address: _____ Telephone: _____

Having carefully examined the Instructions to Bidders, Contract Agreement, General Conditions, Supplemental Conditions, Specifications and Drawings, for the above referenced project, the undersigned bidder proposes to furnish all labor, materials, equipment, tools, supplies and temporary devices required to complete the work in accordance with the contract documents and any addenda listed below for the price stated herein.

Addendum _____ (Insert the addendum numbers received or the word "none" if no addendum received.

BASE BID: For the construction required to complete the work, in accordance with the contract documents, I/We submit the following lump sum price of:

Use Figures

_____ Dollars & _____

Use Words

Use Words

It is mandatory to list below the subcontractors who quotations have been used in compiling this proposal and to whom the work will be sublet, subject to the approval of the owner, should the contract be awarded to the undersigned.

ITEMSUBCONTRACTOR

Division 2 – Existing Condition

Division 6 – Wood, Plastics & Composites

Division 7 – Thermal & Moisture Protection

Division 8 - Doors & Windows

Division 9 – Finishes

Division 10 – Specialties

Division 12 – Furnishings

Division 21 – Fire Suppression

Division 22 – Plumbing

Division 23 – HVAC

Division 26 – Electrical

Division 27 – Communications

Division 28 – Electronic Safety & Security

The undersigned further agrees, when requested by the Owner and before the contract is awarded, to submit a list of additional subcontractors and suppliers and from such list and the list included herein, a mutually agreeable list of subcontractors and suppliers shall be selected and agreed upon.

Respectfully Submitted:

Signature _____

Date _____

Name (Print) _____

Title _____

Firm Name _____

SECTION 012100 - ALLOWANCES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes administrative and procedural requirements governing allowances.
 - 1. Certain items are specified in the Contract Documents by allowances. Allowances have been established in lieu of additional requirements and to defer selection of actual materials and equipment to a later date when direction will be provided to Contractor. If necessary, additional requirements will be issued by Change Order.
- B. Types of allowances include the following:
 - 1. Lump-sum allowances.
 - 2. Unit-cost allowances.
 - 3. Quantity allowances.
 - 4. Contingency allowances.
 - 5. Testing and inspecting allowances.
- C. Related Requirements:
 - 1. Division 01 Section "Unit Prices" for procedures for using unit prices.
 - 2. Division 01 Section "Quality Requirements" for procedures governing the use of allowances for testing and inspecting.
 - 3. Divisions 02 through 33 Sections for items of Work covered by allowances.

1.3 SELECTION AND PURCHASE

- A. At the earliest practical date after award of the Contract, advise Architect of the date when final selection and purchase of each product or system described by an allowance must be completed to avoid delaying the Work.
- B. At Architect's request, obtain proposals for each allowance for use in making final selections. Include recommendations that are relevant to performing the Work.
- C. Purchase products and systems selected by Architect from the designated supplier.

1.4 ACTION SUBMITTALS

- A. Submit proposals for purchase of products or systems included in allowances, in the form specified for Change Orders.

1.5 INFORMATIONAL SUBMITTALS

- A. Submit invoices or delivery slips to show actual quantities of materials delivered to the site for use in fulfillment of each allowance.
- B. Submit time sheets and other documentation to show labor time and cost for installation of allowance items that include installation as part of the allowance.
- C. Coordinate and process submittals for allowance items in same manner as for other portions of the Work.

1.6 COORDINATION

- A. Coordinate allowance items with other portions of the Work. Furnish templates as required to coordinate installation.

1.7 LUMP-SUM ALLOWANCES

- A. Allowance shall include cost to Contractor of specific products and materials ordered by Owner or selected by Architect under allowance and shall include taxes, freight, and delivery to Project site.
- B. Unused Materials: Return unused materials purchased under an allowance to manufacturer or supplier for credit to Owner, after installation has been completed and accepted.
 - 1. If requested by Architect, retain and prepare unused material for storage by Owner. Deliver unused material to Owner's storage space as directed.

1.8 CONTINGENCY ALLOWANCES

- A. Use the contingency allowance only as directed by Architect for Owner's purposes and only by Change Orders that indicate amounts to be charged to the allowance.
- B. Contractor's overhead, profit, and related costs for products and equipment ordered by Owner under the contingency allowance are included in the allowance and are not part of the Contract Sum. These costs include delivery, installation, taxes, insurance, equipment rental, and similar costs.
- C. Change Orders authorizing use of funds from the contingency allowance will include Contractor's related costs and reasonable overhead and profit margins.
- D. At Project closeout, credit unused amounts remaining in the contingency allowance to Owner by Change Order.

1.9 TESTING AND INSPECTING ALLOWANCES

- A. Testing and inspecting allowances include the cost of engaging testing agencies, actual tests and inspections, and reporting results.
- B. The allowance does not include incidental labor required to assist the testing agency or costs for retesting if previous tests and inspections result in failure. The cost for incidental labor to assist the testing agency shall be included in the Contract Sum.
- C. Costs of services not required by the Contract Documents are not included in the allowance.
- D. At Project closeout, credit unused amounts remaining in the testing and inspecting allowance to Owner by Change Order.

1.10 ADJUSTMENT OF ALLOWANCES

- A. Allowance Adjustment: To adjust allowance amounts, prepare a Change Order proposal based on the difference between purchase amount and the allowance, multiplied by final measurement of work-in-place where applicable. If applicable, include reasonable allowances for cutting losses, tolerances, mixing wastes, normal product imperfections, and similar margins.
 - 1. Include installation costs in purchase amount only where indicated as part of the allowance.
 - 2. If requested, prepare explanation and documentation to substantiate distribution of overhead costs and other margins claimed.
 - 3. Submit substantiation of a change in scope of work, if any, claimed in Change Orders related to unit-cost allowances.
 - 4. Owner reserves the right to establish the quantity of work-in-place by independent quantity survey, measure, or count.
- B. Submit claims for increased costs because of a change in scope or nature of the allowance described in the Contract Documents, whether for the purchase order amount or Contractor's handling, labor, installation, overhead, and profit.
 - 1. Do not include Contractor's or subcontractor's indirect expense in the Change Order cost amount unless it is clearly shown that the nature or extent of work has changed from what could have been foreseen from information in the Contract Documents.
 - 2. No change to Contractor's indirect expense is permitted for selection of higher- or lower-priced materials or systems of the same scope and nature as originally indicated.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine products covered by an allowance promptly on delivery for damage or defects. Return damaged or defective products to manufacturer for replacement.

3.2 PREPARATION

- A. Coordinate materials and their installation for each allowance with related materials and installations to ensure that each allowance item is completely integrated and interfaced with related work.

3.3 SCHEDULE OF ALLOWANCES –

- A. Allowance No. 1: The Contractor shall allow the sum of \$60,000.00 for the repair/upgrade to the existing fire rated enclosure around the Chamber Room LL127. This shall include any sealant, rated drywall, etc. for a complete installation. Door 127A shall be part of the base bid. Extent of work shall be determined at time of demolition.
- B. Allowance No. 2: The Contractor shall allow the sum of \$17,000.00 for unforeseen items associated with the re-installation of the bulk Oxygen Tank. These may include, but are not limited to, electrical work, medical gas work, telecommunications, low voltage, testing, etc. This allowance is in addition to the work shown on the contract documents.

END OF SECTION 012100

SECTION 012300 - ALTERNATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. This Section includes administrative and procedural requirements for alternates.

1.3 DEFINITIONS

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the Bidding Requirements that may be added to or deducted from the Base Bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
 - 1. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

1.4 PROCEDURES

- A. Coordination: Modify or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
 - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated modifications to alternates.
- C. Execute accepted alternates under the same conditions as other work of the Contract.

- D. Schedule: A Schedule of Alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

- A. Alt. No. 1: Additional Medical Gas Outlets in Exam Rooms
Base Bid shall be Medical Gas Outlets in 2 exam rooms (Rooms LL104 and LL105). Price shall include all materials and labor for the complete installation of 1 Oxygen outlet per room for the remaining 8 exam rooms (LL106, LL 107, LL108, LL111, LL113, LL114, LL115 and LL116) not included in the base bid. See MPE Drawings for description.

END OF SECTION 012300

MATERIAL COLOR LEGEND

UK KING'S DAUGHTERS

Health Park - Ground Floor - Wound Care

Revised Date: 10/23/2025

Cindy Strickland

Interior Designer

Mobile 606.465.5364

Item	Material Code	Manufacturer	Pattern	Product No.	Color	Notes
FLOOR FINISHES						
Static Dissipative Flooring	SDF	American Biltrite	Static Dissipative Solid Vinyl Electrotile, Tile Size - 24"x24"	SDT-146	Almond Shell	See Floor Pattern Plan
Slip Resistant Sheet Vinyl	SRSV	Mannington Commercial	Biospec SR - Sheet	67362	Ecrú	Heat weld all seams with coordinating heat weld rods; Use one-piece installation where possible; See Floor Pattern Plan
Luxury Vinyl Tile	LVT 1	Tarkett	ID Latitude Wood, Plank Size - 6"x48" with Square Edges	PLWD 7539	Golden Oak	(Wood-look) Staggered Plank Installation; See Floor Pattern Plan
	LVT 2	Mannington Commercial	Spacia, Stone, Tile Size - 18"x18"	SS5S1594	Kingham Stone	(Stone-look) Grid Pattern Installation; See Floor Pattern Plan
Sheet Vinyl Flooring	SVF	Mannington Commercial	Biospec MD - Sheet	15362	Ecrú	Heat weld all seams with coordinating heat weld rods; See Floor Pattern Plan
Resilient Transition Strips	RTS	Johnsonite	As required	49	Beige	Taper flooring substrates for smooth transitions where possible; Between flooring materials of different thicknesses or where flooring terminates
BASE TYPES						
Vinyl Base	VB	Johnsonite	Traditional - 4" High Coved Base	49	Beige	Replace all existing base throughout

MATERIAL COLOR LEGEND

UK KING'S DAUGHTERS

Health Park - Ground Floor - Wound Care

Revised Date: 10/23/2025

Cindy Strickland

Interior Designer

Mobile 606.465.5364

Item	Material Code	Manufacturer	Pattern	Product No.	Color	Notes
Sheet Vinyl Flooring - Integral Base 4" High	SVF	Mannington Commercial	Biospec MD - Sheet	15362	Ecru	Heat weld all seams with coordinating heat weld rods; See Floor Pattern Plan; Cap top edge of integral base with stainless steel strip
Wood Base - Existing	WB	Remove all existing wood baseboards throughout - Patch and prepare walls as needed				
WALL FINISHES						
Paint	PT 1	Sherwin Williams	As specified	SW 7517	China Doll	Main Wall Paint (Light Neutral)
	PT 2	Sherwin Williams	As specified	SW 9112	Song Thrush	Hollow Metal Frames (Beige)
	PT 3	Sherwin Williams	As specified	SW 7518	Beach House	Accent Paint (Beige); See Accent Paint Plan
	PT 4	Sherwin Williams	As specified	SW 7005	Pure White	(White) Underside of Exposed Drywall Soffits and Headers; Do not use this paint on soffits over casework - match wall paint
	PT 5	Sherwin Williams	As specified	SW 6191	Contented	Accent Paint (Light Green); See Accent Paint Plan
Corner Guards	CG	In Pro Corporation (IPC)	1-1/2" Stainless steel corner guards (16-gauge)	GS30	#4 Satin	All outside corners in Corridors, Nurse Station, Reception and Waiting Room 48" high; Mount directly above base; Adhesive mount - no holes or fasteners
MISCELLANEOUS						
Plastic Laminate	PL 1	Formica	Woodbrush Finish	8844-WR	Aged Ash	(Fine Woodgrain) Cabinets

UK KD - Health Park - Ground Floor - Wound Care

MATERIAL COLOR LEGEND

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MATERIAL COLOR LEGEND

UK KING'S DAUGHTERS

Health Park - Ground Floor - Wound Care

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Item	Material Code	Manufacturer	Pattern	Product No.	Color	Notes
	PL 2	Wilsonart	Fine Velvet Finish	4946-38	Natural Cotton	(Neutral Pattern) New Dry Countertops where shown; Postform Bullnose Edges
Solid Surface	SO	Lg Hausys	Hi-Macs	T017	Andromeda	(White Speckle) New Wet Countertops and Transaction Countertops; Bullnose Edges
Suspended Acoustic Tile	SAT 1	USG Ceiling Solutions	Radar Basic Acoustical Panels, Size - 2'x2'x5/8"	2120	White	Reuse Existing Ceiling Tile to complete rooms as much as possible; Lightly Textured Panels with Shadowline Tapered Edges; Grid - USG Donn DX 15/16" Grid
	SAT 2	USG Ceiling Solutions	Mars Acoustical Panels, Size - 2'x2'x3/4"	86785	White	Fine Textured Panels with Shadowline Tapered Edges; Grid - USG Donn DX 15/16" Grid
Chair Rail Trim	CR	Remove all existing wood chair rail trim throughout - Patch and prepare walls as needed				
Wood Doors	WD	Match Existing wood species, cut, match and finish - Review Samples with Owner for Approval				

ROOM FINISH SCHEDULE

UK KING'S DAUGHTERS

Health Park - Ground Floor - Wound Care

Revised Date: 10/23/2025

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Room No.	Room Name	Floor	Base	Walls				Cabinet	Counter top	Ceiling	Notes
				N	S	E	W				
LL100	Corridor	EX	EX	EX	EX	EX	EX			EX	Re-paint door frame to match existing on Corridor Side; Inside of door frame to match others in Office
LL101	Waiting	LVT 1	VB	PT 5	PT 1 / PT 3	PT 1	PT 1			SAT 2	See Floor Pattern and Accent Paint Plans; CG
LL102	Reception	LVT 1	VB	PT 3	PT 5	PT 1	PT 1	PL 1	PL 2	SAT 2 / PT 5 - Axiom Trim	See Floor Pattern and Accent Paint Plans; CG
LL103	Corridor	LVT 1	VB	PT 3	PT 1	PT 5	PT 1			SAT 1	See Floor Pattern and Accent Paint Plans; CG
LL104	Exam 1	SVF	SVF	PT 1	PT 5	PT 1	PT 1	PL 1	SO	SAT 1	See Floor Pattern and Accent Paint Plans
LL105	Exam 3	SVF	SVF	PT 5	PT 1	PT 1	PT 1	PL 1	SO	SAT 1	See Floor Pattern and Accent Paint Plans
LL106	Exam 2	SVF	SVF	PT 1	PT 5	PT 1	PT 1	PL 1	SO	SAT 1	See Floor Pattern and Accent Paint Plans
LL107	Exam 5	SVF	SVF	PT 1	PT 5	PT 1	PT 1	PL 1	SO	SAT 1	See Floor Pattern and Accent Paint Plans
LL108	Exam 4	SVF	SVF	PT 1	PT 5	PT 1	PT 1	PL 1	SO	SAT 1	See Floor Pattern and Accent Paint Plans
LL109	Storage	LVT 2	VB	PT 1	PT 1	PT 1	PT 1			SAT 1	
LL110	Toilet	SRSV	VB	PT 1	PT 5	PT 1	PT 1			PT 4	See Floor Pattern and Accent Paint Plans
LL111	Exam 6	SVF	SVF	PT 1	PT 5	PT 1	PT 1	PL 1	SO	SAT 1	See Floor Pattern and Accent Paint Plans
LL112	Janitor	LVT 2	VB	PT 1	PT 1	PT 1	PT 1			EX	
LL112	Corridor	LVT 1	VB	PT 3	PT 1 / PT 5	PT 1	PT 1			SAT 1	See Floor Pattern and Accent Paint Plans; CG

UK KD - Health Park - Ground Floor - Wound Care

ROOM FINISH SCHEDULE

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ROOM FINISH SCHEDULE

UK KING'S DAUGHTERS

Health Park - Ground Floor - Wound Care

Revised Date: 10/23/2025

Cindy Strickland

Interior Designer

Mobile 606.465.5364

Room No.	Room Name	Floor	Base	Walls				Cabinet	Counter top	Ceiling	Notes
				N	S	E	W				
LL113	Exam 7	SVF	SVF	PT 1	PT 1	PT 1	PT 5	PL 1	SO	EX	See Floor Pattern and Accent Paint Plans
LL114	Exam 8	SVF	SVF	PT 1	PT 1	PT 5	PT 1	PL 1	SO	EX	See Floor Pattern and Accent Paint Plans
LL115	Exam 9	SVF	SVF	PT 1	PT 1	PT 1	PT 5	PL 1	SO	EX	See Floor Pattern and Accent Paint Plans
LL116	Exam 10	SVF	SVF	PT 1	PT 1	PT 5	PT 1	PL 1	SO	EX	See Floor Pattern and Accent Paint Plans
LL117	Office	LVT 1	VB	PT 1	PT 1	PT 3	PT 1			EX	See Floor Pattern and Accent Paint Plans
LL118	Office	LVT 1	VB	PT 1	PT 1	PT 3	PT 1			EX	See Floor Pattern and Accent Paint Plans
LL119	Nurse Station	LVT 1	VB	PT 1	PT 1	PT 1	PT 1	PL 1	SO - Transaction C'top / PL 2 - Worksurfaces	SAT 1 / Soffit - See Notes	See Floor Pattern and Accent Paint Plans; CG; PT 5 - Soffit Vertical Surfaces / PT 4 - Soffit Underside Surface
LL120	Soiled Holding	LVT 2	VB	PT 1	PT 1	PT 1	PT 1			SAT 1	
LL121	Office	LVT 1	VB	PT 3	PT 1	PT 1	PT 1			SAT 1	See Floor Pattern and Accent Paint Plans
LL122	Corridor	LVT 1	VB	PT 3	PT 1	PT 1	PT 1			SAT 1	See Floor Pattern and Accent Paint Plans; CG
LL123	Clean	LVT 2	VB	PT 1	PT 1	PT 1	PT 1			SAT 1	
LL124	Break	LVT 1	VB	PT 5	PT 1	PT 1	PT 1	PL 1	SO	EX	See Floor Pattern and Accent Paint Plans
LL125	Passage	LVT 1	VB	PT 1	PT 1	PT 1	PT 1			EX	
LL126	Toilet	SRSV	VB	PT 1	PT 1	PT 5	PT 1			EX	See Floor Pattern and Accent Paint Plans

ROOM FINISH SCHEDULE

UK KING'S DAUGHTERS

Health Park - Ground Floor - Wound Care

Revised Date: 10/23/2025

Cindy Strickland

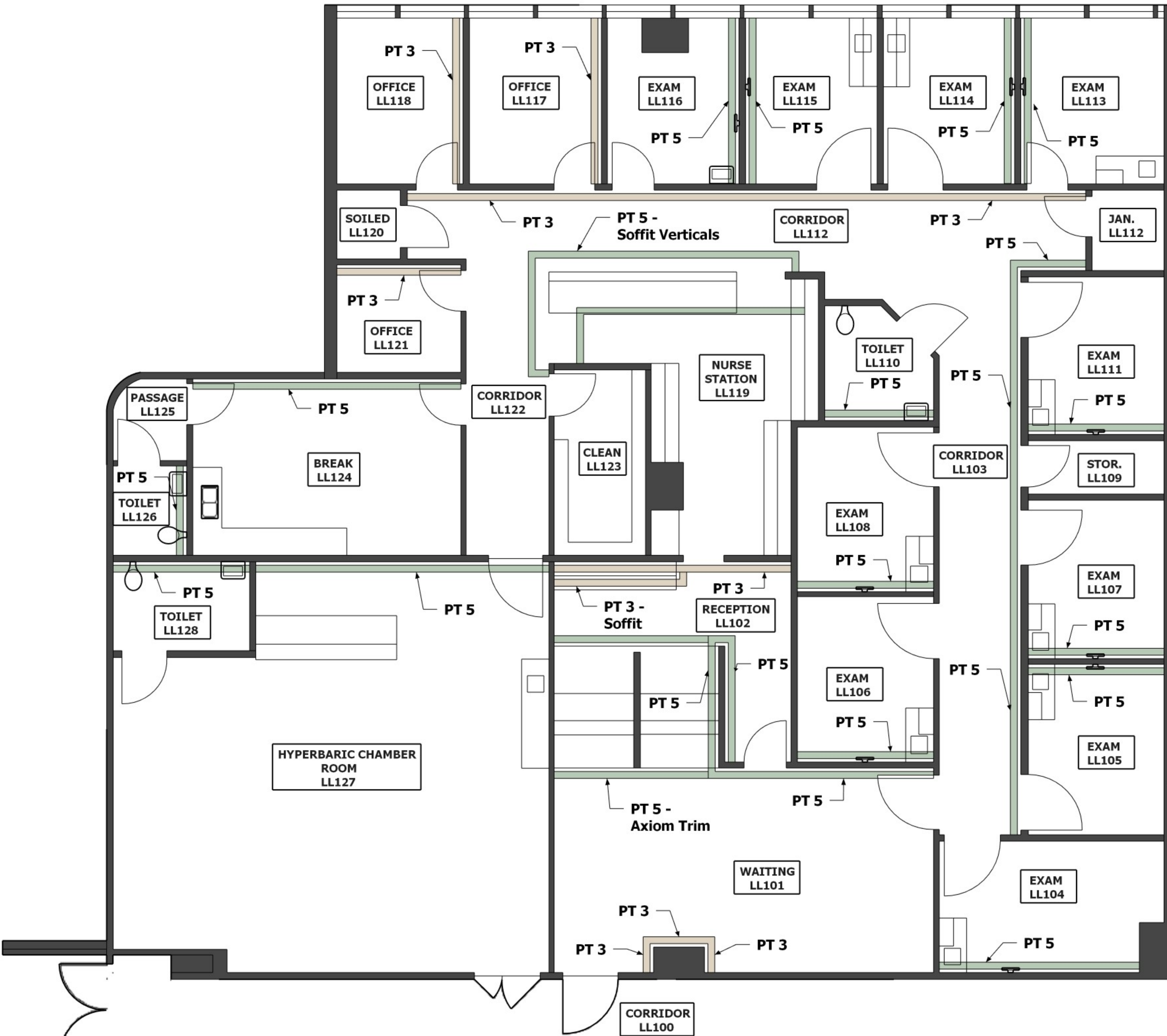
Interior Designer

Mobile 606.465.5364

Room No.	Room Name	Floor	Base	Walls				Cabinet	Counter top	Ceiling	Notes
				N	S	E	W				
LL127	Hyperbaric Chamber Room	SDF	VB	PT 5	PT 1	PT 1	PT 1	PL 1	SO - Transaction C'top / PL 2 - Worksurfaces	SAT 1	See Floor Pattern and Accent Paint Plans
LL128	Toilet	SRSV	VB	PT 5	PT 1	PT 1	PT 1			PT 4	See Floor Pattern and Accent Paint Plans

NOTES:

1. For purposes of this schedule, the top of Floorplan shall be considered **North**.
2. All interior hollow metal door and window frames are to be painted with PT 2.
3. Remove all existing vinyl wallcovering and wall borders throughout - Patch and prepare walls for new finishes
4. Remove existing flooring and base where new floor finish; Review and prepare the substrates as recommended by manufacturer and as required for smooth installation.
5. Remove all existing wood base and wood chair rail trim throughout - Patch and prepare walls for new finishes as needed
6. All flooring transitions to occur at the middle of door, unless otherwise shown or directed.
7. Provide new resilient transition strips (RTS), in the appropriate size, where materials of different thickness meet.
8. See Floor Pattern and Accent Paint Plans for flooring installation directions/transitions/patterns and locations of accent painted walls.
9. Underside of exposed drywall soffits to be painted with PT 4.
10. If any item listed herein is found to be in conflict with manufacturers' recommendations and warranties, such item must be brought to the attention of the Owner prior to execution.





DOOR/ FRAME/HARDWARE SCHEDULE

MARK	DOOR	TYPE	MAT'L	FRAME		HDWE. SET	NOTES/ REMARKS
	SIZE			TYPE	DETAIL		
101	4'-0" X 7'-0" X 1 3/4"	A	WOOD	H.M.	A/A1.0	OFFICE	
102	3'-0" X 7'-0" X 1 3/4"	A	WOOD	H.M.	A/A1.0	OFFICE	3, 4
103	4'-0" X 7'-0" X 1 3/4"	A	WOOD	H.M.	A/A1.0	OFFICE	3
104	4'-0" X 7'-0" X 1 3/4"	A	WOOD	H.M.	A/A1.0	PASS.	
105	4'-0" X 7'-0" X 1 3/4"	A	WOOD	H.M.	A/A1.0	PASS.	
106	4'-0" X 7'-0" X 1 3/4"	A	WOOD	H.M.	A/A1.0	PASS.	
107	4'-0" X 7'-0" X 1 3/4"	A	WOOD	H.M.	A/A1.0	PASS.	
108	4'-0" X 7'-0" X 1 3/4"	A	WOOD	H.M.	A/A1.0	PASS.	
109	3'-0" X 7'-0" X 1 3/4"	A	WOOD	H.M.	A/A1.0	STOR.	4
110	4'-0" X 7'-0" X 1 3/4"	A	WOOD	H.M.	A/A1.0	PRIVACY	
111	4'-0" X 7'-0" X 1 3/4"	A	WOOD	H.M.	A/A1.0	PASS.	
112	EX	EX	EX	EX.			
113	EX	EX	EX	EX.		PASS.	2
114	4'-0" X 7'-0" X 1 3/4"	A	WOOD	H.M.	A/A1.0	PASS.	
115	4'-0" X 7'-0" X 1 3/4"	A	WOOD	H.M.	A/A1.0	PASS.	
116	EX	EX	EX	EX.		PASS.	2
117	EX	EX	EX	EX.			
118	EX	EX	EX	EX.			
119	NOT USED						
120	3'-0" X 7'-0" X 1 3/4"	A	WOOD	H.M.	A/A1.0	STOR.	
121	3'-0" X 7'-0" X 1 3/4"	A	WOOD	H.M.	A/A1.0	OFFICE	
122	NOT USED						
123	3'-0" X 7'-0" X 1 3/4"	A	WOOD	H.M.	A/A1.0	STOR.	3, 4
124	3'-0" X 7'-0" X 1 3/4"	A	WOOD	H.M.	A/A1.0	OFFICE	
125	3'-0" X 7'-0" X 1 3/4"	A	WOOD	H.M.	A/A1.0	PASS.	5
126	EX	EX	EX	EX.			
127	4'-0" X 7'-0" X 1 3/4"	A	WOOD	H.M.	A/A1.0	OFFICE	1
127A	4'-0" X 7'-0" X 1 3/4"	A	WOOD	H.M.	A/A1.0	OFFICE	1
128	4'-0" X 7'-0" X 1 3/4"	A	WOOD	H.M.	A/A1.0	PRIVACY	5

NOTES: SEE DOOR TYPES AND FRAME TYPES ELEVATIONS ON THIS SHEET.

MATCH EXISTING DOORS, FRAMES, AND HARDWARE IN STYLE, PERFORMANCE, COLOR, ETC.

WHERE POSSIBLE, CONTRACTOR SHALL RE-USE EXISTING DOORS REMOVED DURING DEMOLITION THAT ARE IN ACCEPTABLE CONDITION FOR RE-USE. VERIFY WITH OWNER AND/OR ARCHITECT.

1. PROVIDE 90 MIN. FIRE RATED DOOR, FRAME AND HARDWARE
2. VERIFY HARDWARE IN EXISTING DOOR.
3. CARD READER
4. RE-USED OR RELOCATED EXISTING DOOR.
5. RE-USED OR RELOCATED EXISTING DOOR AND/OR HARDWARE.

**ZACHWIEJA
WORKMAN
ARCHITECTS**

PO BOX 11603 CHARLESTON, WV 25339
304.346.5361 ZWARCHITECTURE.COM

**WOUND CARE RELOC.
UK KING'S DAUGHTERS**

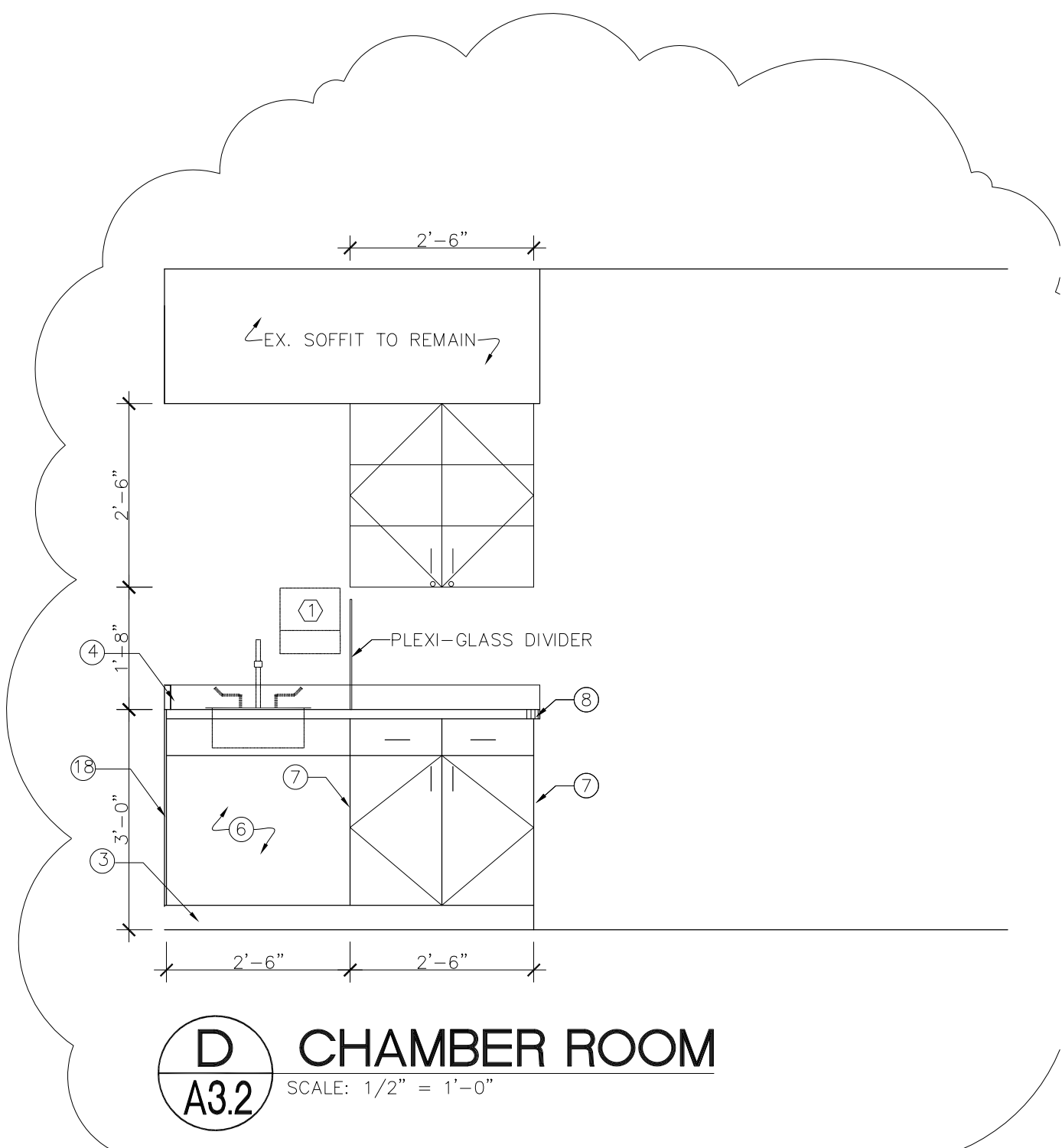
RUSSELL, KY

DRAWING

A1.0R1

COM 24116

DATE 11/12/2025



D
A3.2

CHAMBER ROOM

SCALE: 1/2" = 1'-0"

SECTION 226214 - MEDICAL GAS PIPING SYSTEMS

PART 1 -GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes tubing, piping, and related accessories for the following medical gas systems.
 - 1. Oxygen systems, designated "oxygen."
- B. Testing Agency Services: The Contractor will provide independent testing agency services under (his contract)(a separate contract) to review documents and inspect, test, and certify the medical gas piping systems and components, except for inspections and tests specified in "Field Quality Control" article of this Section. The inspecting verifier is required to meet the qualifications of NFPA 99, 2002 5.1.12.3.1.3.
- C. Related Sections: The following Sections contain requirements that relate to this Section:
 - 1. Division 22 Section "Identification for Plumbing Piping and Equipment" for labeling and tags.
 - 2. Division 22 Section "Meters and Gages for Plumbing Piping" for thermometers, pressure gages and fittings.
 - 3. Division 22 Section "Hangers and Supports for Plumbing Piping and Equipment" for piping hangers and supports.
 - 4. Division 22 Section "Common Work Results for Plumbing" for piping installation.
- D. Medical Gas Verifier Submittals shall include:
 - 1. Name, contact information and MGPFO Credential Number.
 - 2. No verifier who supplies equipment shall be permitted to verify that equipment.

1.3 DEFINITIONS

- A. D.I.S.S.: Diameter-index safety system.
- B. Low Voltage: As defined in NFPA 70 for circuits and equipment operating at less than 50 V or for remote-control, signaling power-limited circuits.

1.4 SYSTEM PERFORMANCE REQUIREMENTS

- A. Installer Qualifications: Engage an experienced Installer of medical gas systems that meets the qualifications in NFPA 99, 2002 5.1.10.6.11.
 - 1. The term "experienced Installer" is specified in Division 01 Section "Reference Standards and Definitions."

- B. Provide medical gas piping systems complying with requirements of NFPA 99C - 2002 "Standard for Health Care Facilities" and ASSE 6000.
- C. Provide compatible accessories, tube, fittings, and valves for each system.

1.5 SUBMITTALS:

- A. General: Submit the following in accordance with Conditions of Contract and Division 01 Specification Sections.
- B. Product data for the following:
 - 1. Special purpose valves.
 - 2. Medical gas accessories.
 - 3. Medical gas alarm system components.
- C. Wiring diagrams for medical gas alarm systems and tanks. Include ladder-type wiring diagrams for interlock and control wiring required for final installation. Differentiate between portions of wiring that are factory installed and portions that are field installed.
- D. Certificates of shop inspection and data report as required by provisions of the ASME Boiler and Pressure Vessel Code.
- E. Document review, inspection and test reports specified in "Field Quality Control" in this Section.
- F. Certificates of inspections and tests from independent testing agency specified in "Field Quality Control" in this Section.
- G. Maintenance data for inclusion in Operating and Maintenance Manuals.
- H. Piping Material Certification: Signed by Installer certifying that medical compressed-air piping materials comply with NFPA 99 requirements.

1.6 QUALITY ASSURANCE:

- A. Testing Agency Qualifications: To qualify for acceptance, an independent testing agency must demonstrate, based on evaluation of agency-submitted criteria conforming to ASTM E 699, that it has the experience and capability to conduct satisfactorily the inspection and testing indicated without delaying the progress of the Work.
- B. Comply with NFPA 70 "National Electrical Code."
- C. Comply with NFPA 99 "Standard for Health Care Facilities."
- D. Comply with UL 498 "Standard for Attachment Plugs and Receptacles."
- E. Comply with UL 544 "Standard for Medical and Dental Equipment."
- F. NRTL Listing and Labeling: Provide equipment that is listed and labeled.
 - 1. The Terms "Listed" and "Labeled": As defined in the "National Electrical Code," Article 100.

2. Listing and Labeling Agency Qualifications: A "Nationally Recognized Testing Laboratory" (NRTL) as defined in OSHA Regulation 1910.7.

G. Qualified installers must meet ASSE Standard #6010.

1.7 PROJECT CONDITIONS:

- A. Interruption of Existing Medical Gas Service(s): Do not interrupt medical gas service to facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary service according to requirements indicated:
 1. Do not proceed with interruption of medical gas service(s) without Architect's and Owner's written permission.

1.8 DELIVERY, STORAGE, AND HANDLING:

- A. Deliver and store large medical gas accessories on factory-installed shipping skids, tubing with sealing plugs in ends or with end protection, and small accessories in factory-fabricated fiberboard containers.
 1. Store precleaned and sealed medical gas tube, fittings, valves, and accessories with sealing plugs and sealing packaging intact.
 2. Label medical gas tube, fittings, valves, and accessories that have not been precleaned, and that have been precleaned but have seal or packaging that is not intact, with temporary labels indicating that cleaning is required before installation.

1.9 EXTRA MATERIALS:

- A. Furnish extra materials described below matching products installed, packaged with protective covering for storage and identified with labels clearly describing contents.
 1. Service Outlets: (Including box, valve block, valve body, O-ring, and cover plate.) Furnish quantity not less than 10 percent of amount of each installed. Extra cover plates of special design for medical equipment are not required.
 2. Service Outlet Valve Bodies: Furnish quantity not less than 10 percent of amount of each installed.
 3. Service Outlet Valve Body O-Ring Seals: Furnish quantity not less than 50 percent of amount of each installed.
 4. Shutoff Valves: Furnish quantity not less than 10 percent of amount of each type and size zone valve installed.
 5. Valve Seat, Packing, and Seals: Furnish quantity not less than 10 percent of amount of each type and size installed.
 6. Pressure and Vacuum Switches: Furnish quantity not less than 10 percent of amount of each type installed.

PART 2 -PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. Medical Gas Pipeline Equipment:
Beacon Meadas
2. Medical Gas Accessories:
Beacon Meadas

2.2 MEDICAL GAS TUBING, GENERAL

- A. Copper Tube, Fittings, Valves, and Piping Components: Factory- cleaned, -purged, and -sealed, and marked or labeled "CLEANED FOR MEDICAL GAS SERVICE," "CLEAN FOR OXYGEN SERVICE," "OXY."
1. Components required, but not available cleaned for medical gas use, may be provided, but must be cleaned before use as specified below under "PREPARATION."
- B. Pipe joining materials, specialties, and basic installation requirements are specified in Division 22 Section "Common Work Results for Plumbing."

2.3 MEDICAL GAS TUBE

- A. Precleaned and Sealed Copper Tube: ASTM B 819, Type K or Type L, water tube, seamless, drawn temper, cleaned for medical gas use, purged, and with ends sealed. Include standard color marking "OXY", "MED", "OXY/MED", "OXY/ACR", or "ACR/MED" in green for Type K tube and in blue for Type L tube.
- B. Soft Copper Tube: ASTM B 88, Type K, water tube, seamless, annealed temper.

2.4 MEDICAL GAS TUBE FITTINGS:

- A. Wrought-Copper Fittings: ASME B16.22, solder-joint, pressure type.
- B. Bronze Tube Flanges: ASME B16.24, Class 300.
- C. Flexible Connectors: Bronze or stainless-steel flexible pipe connectors as specified in Division 22 Section "Vibration and Seismic Controls for Plumbing piping and Equipment."

2.5 MEDICAL GAS TUBING JOINING MATERIALS:

- A. Solder Filler Metals: ASTM B 32, lead-free alloys. Include water-flushable flux according to ASTM B 813.
- B. Brazing Filler Metals: AWS A5.8/A5.8M, BcuP Series, copper-phosphorus alloys for general duty brazing unless otherwise indicated.
- C. Threaded-Joint Tape: Polytetrafluoroethylene (PTFE) plastic.
- D. Gasket Material: ASME B16.21, nonmetallic, flat, asbestos-free, and suitable for oxygen use.

2.6 MEDICAL GAS VALVES:

- A. All Medical Gas Valves shall be specially prepared for oxygen service and shall conform to NFPA 99. Valves shall be ball-type, with Teflon seats and adjusting stem packing gland with Teflon stem seal.
 - B. Ball valves shall be rated 600 WOG, actuate from full “ON” to full “OFF” by 90 degree turn of vinyl gripped valve handle.
 - C. Furnish and install only valves with factory installed type K copper tubing extensions.
 - D. Valves not in valve boxes shall be provided with locking handles, BeaconMedaes series 4255 (locks to be provided by contractor to owner).
 - E. General duty valves such as gate, globe, check, ball, and butterfly valves and strainers for use in associated piping such as water supply are specified in Division 15 Section "Valves and Strainers."
 - F. Ball Valves 3 Inches and Smaller: Bronze-body, full-flow, chrome-plated brass ball valve, with Buna-N or TFE seat seals and stem seals, blow-out-proof stem, threaded or braze-joint ends, locking-type handle, designed for quarter turn between open and closed positions and for 300 psig working pressure.
 - 1. Provide union-type body with bolted swing-away center section.
 - 2. Provide factory-cleaned, factory-sealed (for oxygen use), and factory-installed, Type K or L copper tube extensions with pressure gage installed downstream from valve in pressure systems and upstream from valve in vacuum systems.
 - G. Ball Valves 4 Inches and Larger: MSS SP-72, bronze or iron-alloy body, full bore, chrome-plated brass ball valve, with Buna-N or TFE seat seals and stem seals, blow-out-proof stem, flanged ends, locking-type handle, designed for quarter turn between open and closed positions, and designed for 300 psig working pressure.
 - H. Check Valves 3 Inches and Smaller: Bronze body, straight-through pattern, spring-loaded ball check valve, designed for 300 psig minimum working pressure.
 - I. Check Valves 4 Inches and Larger: MSS SP-71, Class 250, iron body, bronze trim, swing check valve, with flanged ends.
 - J. Safety Valves: Bronze body with settings to match system requirements.
 - 1. Pressure Safety (Relief) Valves: ASME construction.
 - 2. Vacuum Relief Valves: Equipment manufacturer's option.
 - K. Pressure Regulators: Brass or bronze body and trim, spring-loaded, diaphragm-operated, relieving type, manual pressure setting adjustment, rated for 250 psig minimum inlet pressure, and capable of controlling delivered air pressure within 0.5 psig for each 10 psig inlet pressure.
 - L. Automatic Drain Valves: Corrosion-resistant metal body and internal parts, 200 psig minimum rated working pressure, capable of automatic discharge of collected condensate.
- 2.7 ZONE VALVE BOXES:
- A. Valve boxes shall be constructed of 18 gauge steel with white enamel finish. The valve box shall have a sliding, opaque door with pull ring and clear gauge window. The removable

- window cannot be replaced when any valve is closed. The frame assembly shall be capable of adjusting for variances in wall thickness up to 1". The window shall conceal exposed piping and mounting screws. Window shall be labeled "Caution - Medical Gas Shut - Off Valves - Close Only in Emergency." Provide clear viewing space in the window to display the gas service and the area pressure gauges.
- B.
 - C. Provide color coded self-adhesive gas labels for compliance with NFPA 99 labeling requirements. Apply labels to each valve in the assembly for gas service identification according to manufactures recommendations.
 - D. Zone valves shall include a 1 1/2 inch pressure gauge reading 0 to 100 psig for oxygen, air, nitrous oxide; 0 to 300 psig for nitrogen; and 0 to 30 HG for vacuum and WAGD. The gauge port shall be equipped with removable plug for pressure testing before final assembly of gauge.
 - E. All zone valve boxes assemblies shall read pressure downstream and vacuum upstream of the valve per NFPA 99. Valves shall be piped left to right with right being on patient side.
 - F. Provide valves with gauge ports on inlet and outlet as scheduled on the drawings.

2.8 MEDICAL GAS SYSTEM ACCESSORIES:

- A. General: Provide the following medical gas system accessories by the same manufacturer.
- B. General: Provide the following medical gas system accessories compatible with existing systems.
- C. General: Provide the following medical gas system accessories from manufacturer of existing accessories, compatible with existing systems.
- D. Emergency Oxygen Connection: High-pressure oxygen inlet assembly, consisting of weatherproof enclosure with hinged locking cover, suitable for recessed mounting, with factory-installed CGA V-1, # 540 inlet, pressure regulator, pressure gage, and minimum 1-inch ball valve, for connection to oxygen system. Provide a brass body pressure relief valve, set at 75 psig or 80 psig, which may be installed in the enclosure or be separate for installation in the oxygen tubing system. Label enclosure cover "Emergency High Pressure Gaseous Oxygen Inlet."
- E. Medical Gas Outlet Stations:
 - 1. Quick-Connect Coupling: Indexing to prevent interchange between services, constructed to permit one-handed connection and removal of equipment with positive locking ring which retains equipment stem in valve during use.
 - 2. DISS-Type Coupling: CGA V-5, DISS (diameter index safety system) threaded indexing to prevent interchange between services, constructed to permit one-handed connection and removal of equipment.
 - 3. Outlets shall be field assembled with sequences and services indicated. Centerline spacing of multiple outlets shall be 5 inches minimum.
 - 4. Outlet stations shall have a die cast light gray epoxy powder coated cover plate. Furnish indexing pins for safety keying and gas specific cover plate to the appropriate rough in box, with color coded gas service identification. The safety keying index pins shall be permanently captured between the cover plate and latch assembly and unremovable

without destroying the outlet. Designs with index pins molded in plastic are not acceptable.

5. The latch mechanisms shall be designed for one handed, single thrust mounting and one handed fingertip release of secondary equipment.
6. The complete outlet shall be made, cleaned and packaged to NFPA 99 Standards, UL Listed and CSA certified. Medical gas outlets shall be cleaned for oxygen service in accordance with CGA Pamphlet G-4.1. The assembly shall be capped and the finish assembly poly bagged for shipment.
7. The rough in assembly shall be of modular design and include a gas specific 16 gauge steel mounting plate designed to permit on-site ganging of multiple outlets, on 5 inch center line spacing. A machined brass outlet block shall be permanently attached to the mounting bracket to permit the 1/2" OD, type-K copper inlet to swivel 360 degrees for attachment to the piping system. The rough in assembly shall contain a double seal to prevent gas leakage between the rough in and latch-valve assemblies after the wall is finished. A single o-ring seal shall not be acceptable.
8. The latch-valve assembly shall telescope up to 3/4" to allow for variation in finished wall thickness from 1/2" to 1-1/4".
9. Wall Outlet Cover Plates: One piece, stainless-steel plate with NAAMM AMP 503, No. 4 finish; metal with chrome plated finish; permanent, color-coded, medical gas identifying label matching corresponding outlets.

- F. Outlet Cover Plates: One piece, stainless-steel plate with NAAMM AMP 503, No. 4 finish; metal with chrome-plated finish; or anodized aluminum with permanent identifying label.

2.9 MEDICAL GAS ALARM SYSTEM:

- A. General: Provide medical gas alarm system consisting of compatible alarm panels, remote sensing devices, and other related components where indicated and where required by NFPA 99. Power and wiring is specified in Division 26.
- B. Alarm shall supervise its wiring to sensors and switches, indicating at the relevant panel(s) if any wire is cut, disconnected or open.
- C. Each signal will include an indicator light to signify the condition monitored. Activation of any switch will light its LED and actuate the audio alarm.
- D. Each panel shall include a power on indicator and test function for testing all modules electrically.
- E. Alarms shall include features permitting field adjustment of alarm volume and display intensity.
- F. Termination of alarm wiring to be done by or under supervision of manufacturer of alarm.
- G. Components: Designed for continuous service and to operate on power supplied from 120-V power source to alarm panels low-voltage wiring to remote sensing devices. Future connection for a PC via Ethernet or direct wire connection is to be provided.
- H. Provide dew point monitors for continuous line monitoring having panel with gage or digital display, pipeline sensing element, electrical connections for alarm system, factory- or

field-installed valved bypass, and a visual and cancelable audio signal for dryer site and master alarm panels. Alarm shall operate when pressure dew point rises above 39 deg F at 55 psig.

1. Operation: Chilled mirror method.
 2. Operation: Hygrometer moisture analyzer with sensor probe.
- I. Provide pressure and vacuum switches or pressure transducer sensors for continuous line monitoring with electrical connections for alarm system. Also provide with a gas specify D.I.S.S. demand check.
1. Low-Pressure Switches: 0- to 100-psig operating range.
 2. High-Pressure Switches: Up to 250-psig operating range.
 3. Vacuum Switches: 0- to 30-in. Hg. range.
- J. Provide carbon monoxide monitors having panel with gage or digital display, pipeline sensing element, electrical connections for alarm system, and factory- or field-installed valved bypass. Alarm shall operate when carbon monoxide level rises above 10 parts per million.
- K. Alarm Panels: Factory-wired with audible and color-coded visible signals to indicate specified functions.
1. Mounting: Recessed installation.
 2. Enclosures: Constructed of 18-gage steel or aluminum, and with knockouts for electrical and tubing connections.
- L. Master Alarm Panels: Provide separate trouble alarm signals, pressure (vacuum) gages, and indicators for oxygen. Provide signal alarms at master alarm panels when the following conditions exist.
- a. Furnish exact duplicate Master Alarm Panels at the two locations shown on the plans.
 - b. Wire the master alarm panel's alarms directly to the individual sensors/switches, furnishing duplicate sensors/switches as required for compliance with NFPA 99 5.1.9.2.4. Low voltage shielded wire shall be provided and installed by this contractor.
 - c. Alarms shall be tested, labeled and fully operational for owner.
 - d. Master alarm panels shall be fully network able as supplied.
 - e. Provide alarm points as indicated in NFPA 99 Table A.5.1.9.2. and as detailed on drawings.
 - f.
 - g. Oxygen: Liquid level is low, pressure downstream of main shutoff valve drops below 40 psig or rises above 60 psig, changeover to reserve, reserve is in use, reserve level is low, and reserve pressure is low.
- M. Area Alarm Panels: Provide separate trouble alarm signals, pressure (vacuum) gages, and indicators for each medical gas and vacuum system serving the area.
1. Each area alarm shall include one power supply, a sensor for each specific gas, and one digital display for each specific gas.
 2. The power supply shall be of the universal switching type (100-250VAC, 50/60/440Hz, 120-300VDC). Power supply shall be fused to protect the system from voltage and amperage surges. Alarm shall clearly indicate when power is on.

3. The area alarm shall provide an audible and visual signal when an advisory or a fault signal is received. Signal limits shall be factory set, with the ability to be field adjusted without the use of tools.
4. Each panel shall provide the digital display, high pressure, low pressure (or vacuum). Each pressure shall be displayed continuously.
5. Signal alarms at area alarm panels when the following conditions exist.
 - a. Oxygen: Pressure drops below 40 psig or rises above 60 psig.

- N. Computer Interface Cabinet: Wall-mounting, welded steel, control cabinet with gasketed door, mounting brackets, and grounding device, and white enamel finish. Provide factory-installed signal circuit boards, power transformer, circuit breaker, wiring terminal board, and internal wiring capable of interfacing 20 alarm signals.

2.10 IDENTIFICATION:

- A. Refer to Division 22 Section "Identification for Plumbing Piping and Equipment" for piping (both underground and within building), tubing, valves, gages, alarms, accessories, and bulk storage tank labels.

2.11 ESCUTCHEONS:

- A. General Requirements for Escutcheons: Manufactured wall and ceiling escutcheons and floor plates, with ID to closely fit around pipe and tube and OD that completely covers opening.
- B. One-Piece, Stamped-Steel Escutcheons: With set screw and chrome-plated finish.
- C. One-Piece, Floor-Plate Escutcheons: Cast iron.
- D. Split-Casting, Floor-Plate Escutcheons: Cast Brass with concealed hinge and set screw.

2.12 GROUT:

- A. Description: ASTM C 1107, Grade B, nonshrink and nonmetallic, dry hydraulic-cement grout.
 1. Characteristics: Post-hardening, volume adjusting, nonstaining, noncorrosive, nongaseous, and recommended for interior and exterior applications.
 2. Design Mix: 5000-psi (34.5-Mpa), 28-day compressive strength.
 3. Packaging: Premixed and factory packaged.

PART 3 -EXECUTION

3.1 PREPARATION:

- A. General: Where factory-precleaned and -capped tubing and piping are not available, or when precleaned tubing and piping must be recleaned because of exposure, perform the following procedures:
 1. Clean medical gas pipe and pipe fittings, tube and tube fittings, valves, gages, and other components of oil, grease, and other readily oxidizable materials as required for oxygen

service, in accordance with CGA G-4.1-85 "Cleaning Equipment for Oxygen Service." Onsite cleaning is limited, by NFPA 99, to recleaning surfaces which may have become contaminated prior to brazing.

2. Wash medical gas piping, tubing, and components in a hot alkaline cleaner-water solution of sodium carbonate or trisodium phosphate in proportion of one pound of chemical to three gallons of water.
 - a. Scrub to ensure complete cleaning.
 - b. Rinse with clean hot water after washing to remove cleaning solution.

3.2 TUBING APPLICATIONS:

- A. General: Refer to Part 2 of this Section for the following materials.
- B. Interior: Use "Prcleaned and Sealed Copper Tube" with wrought copper fittings and brazed joints.
 1. Type 'L' drawn temper for vacuum and pressurized systems with an operating pressure of less than 200 psig.
 2. Type 'K' drawn temper for pressurized systems with an operating pressure between 200 psig and 300 psig.

3.3 TUBING JOINT CONSTRUCTION:

- A. Join medical gas tubing in accordance with requirements of NFPA 99.

3.4 PIPING INSTALLATION, GENERAL:

- A. Install medical gas tubing in accordance with requirements of NFPA 99.
- B. Install supports and anchors in accordance with Division 22 Section "Hangers and Supports for Plumbing Piping and Equipment."
 1. Spacing Between Hangers: As described in NFPA 99.
- C. Install emergency oxygen connection assembly with pressure relief valve and full-size discharge tubing to outside with a check valve downstream of pressure relief valve and with a ball valve and check valve in supply main from bulk oxygen storage tank.
- D. Valve Applications: Use ball valves specified in this Section for main shutoff and zone valve duties.
- E. Install zone valves in valve box anchored to structure. Install valves at angle that prevents closure of cover when valve is in closed position. A single box may be used for multiple valves when valves serve same area or same function.
- F. Install pressure gages in accordance with Division 22 Section "Meters and Gages for Plumbing Piping"
- G. Install piping concealed from view and protected from physical contact by building occupants unless otherwise indicated and except in equipment rooms and service areas.

- H. Install piping indicated to be exposed and piping in equipment rooms and service areas at right angles or parallel to building walls. Diagonal runs are prohibited unless specifically indicated otherwise.
- I. Install piping above accessible ceilings to allow sufficient space for ceiling panel removal and coordinate with other services occupying that space.
- J. Install piping adjacent to equipment and specialties to allow service and maintenance.
- K. Install nipples, unions, special fittings, and valves with pressure ratings same as or higher than system pressure rating used in applications below unless otherwise indicated.
- L. Install eccentric reducers, if available, where compressed-air piping is reduced in direction of flow, with bottoms of both pipes and reducer fitting flush.
- M. Install piping to permit valve servicing.
- N. Install piping free of sags and bends.
- O. Install fittings for changes in direction and branch connections.

3.5 ACCESSORIES INSTALLATION:

- A. Install accessories in accordance with NFPA 99 and manufacturer's printed installation instructions.

3.6 MEDICAL GAS ALARM SYSTEM INSTALLATION:

- A. General: Install alarm system components in accordance with NFPA 99 and manufacturer's printed installation instructions.
- B. Install alarm panels in locations indicated.

3.7 CONNECTIONS:

- A. Install tubing and piping adjacent to equipment to allow servicing and maintenance.
- B. Connect medical gas tubing to bulk storage tanks with unions. Install with ball valves required.
- C. Connect medical gas tubing and piping to medical gas outlets in headwall units, rail systems or other patient service consoles or assemblies furnished under other sections of this specification or by the Owner.
 - 1. Make connections to patient service consoles or assemblies in accordance with the console or assembly manufacturer's written instructions.
- D. Install medical gas tubing and electrical connections to medical gas alarm system components.
- E. Electrical Connections: Power wiring and disconnect switches are specified in Division 26.
 - 1. Grounding: Connect unit components to ground in accordance with the National Electrical Code.

3.8 OUTLETS:

- A. Install outlets and accessories where indicated on drawings.
 - 1. Refer to Architectural elevations for mounting height of wall outlets and arrangement of outlets.
 - 2. Install vacuum slides where indicated.
 - 3. When installing multiple outlets and slides in assemblies, provide space between outlets to allow for the mounting of regulators, vacuum bottles or other devices on adjacent outlets without conflict.
 - a. Provide blanks between outlets as required.

3.9 LABELING AND IDENTIFICATION:

- A. Install labeling on valves, valve box covers, and alarm panels in accordance with requirements of NFPA 99.
- B. Captions and Color Coding: Use the following or similar medical gas captions and color coding for accessories, when specified and where required by NFPA 99.
 - 1. Oxygen: White letters on green background.
- C. Label medical gas systems operating at other than standard pressure with system operating pressure.

3.10 FIELD QUALITY CONTROL:

- A. System Clearing: Purge medical gas system tubing using oil-free dry air or nitrogen after installation of tubing but before installation of service outlet valves, alarms, and gages.
- B. Pressure Test: Subject each section of each system, except high-pressure air and nitrogen, to test pressure of from 150 psig to 200 psig and high-pressure air and nitrogen systems to test pressure of 250 psig with oil-free dry air or nitrogen before attachment of system components, after installation of station outlets with test caps (when supplied) in place, and before concealing piping system. Maintain test until joints are examined for leaks by means of soapy water.
- C. Standing-Pressure Test: Install assembled system components after testing individual systems as specified above. Subject systems to 24-hour standing-pressure test at 20 percent above normal line pressure but not less than 66 psig. Subject vacuum and evacuation systems to 12 to 18 inches of mercury minimum vacuum in lieu of pressure test.
- D. Repair leaks and defects with new materials and retest system until satisfactory results are obtained.
- E. Repair medical gas systems and replace components that fail tests specified.
- F. Independent Testing Agency Services: Provide services of an independent testing agency meeting requirements of Division 01 Section "Quality Requirements" to review documents, inspect, test, and certify medical gas systems as specified below. Testing agency work does not include Installer quality control procedures or tests.

1. Review of Documents: The Independent Testing Agency shall review the design documents. A letter stating that the documents have been reviewed and listing any differing interpretations of the requirements of NFPA 99, 2002 shall be submitted to the Architect prior to beginning installation of the medical gas systems.
 - a. Do not proceed with installation of the medical gas systems without clarification from the Architect of any differing interpretations of the requirements of NFPA 99.
2. Inspect, test, and certify complete medical gas systems in accordance with the requirements of NFPA 99, Standard for Health Care Facilities. Inspect, test, and certify each medical gas system, including each tubing system, outlets and inlets, accessories, alarm panels and devices, safety devices, medical gas sources, and equipment.
 - a. Bulk Oxygen Systems: Comply with NFPA 50, Standard for Bulk Oxygen Systems at Consumer Sites.
3. Contractor shall provide medical gases required for systems testing.
4. Prepare written reports of tests results including corrective action.
5. Certify that medical gas systems comply with requirements specified, that tests were properly performed, and that test results were satisfactory.
6. Prepare a statement that the systems were tested and found to be free of debris to a procedure per NFPA 99 5.1.12.3.7.
7. Inspect outlets and inlets, gages, alarms, and zone valves for proper labeling for gas service and function.
8. Inspect bulk oxygen supply systems for installation and operation as required by NFPA 50.
9. Perform tests and inspections of medical compressed-air piping systems in healthcare facilities and prepare test reports.
10. Tests and Inspections:
 - a. Preparation: Perform the following installer tests according to requirements in NFPA 99 and ASSE Standard #6010:
 - 1) Initial blowdown.
 - 2) Initial pressure test.
 - 3) Cross-connection test.
 - 4) Piping purge test.
 - 5) Standing pressure test for positive-pressure medical compressed-air piping.
 - 6) Repair leaks and retest until no leaks exist.
 - b. System Verification: Comply with requirements in NFPA 99, ASSE Standard #6020, and ASSE Standard #6030 for verification of medical compressed-air piping systems and perform the following tests and inspections:
 - 1) Standing pressure test.
 - 2) Individual-pressurization or pressure-differential cross-connection test.
 - 3) Valve test.
 - 4) Master and area alarm tests.
 - 5) Piping purge test.
 - 6) Piping particulate test.

- 7) Piping purity test.
 - 8) Final tie-in test.
 - 9) Operational pressure test.
 - 10) Medical air purity test.
 - 11) Verify correct labeling of equipment and components.
 - c. Testing Certification: Certify that specified tests, inspections, and procedures have been performed and certify report results. Include the following:
 - 1) Inspections performed.
 - 2) Procedures, materials, and gases used.
 - 3) Test methods used.
 - 4) Results of tests.
 - d. The flow from each outlet when tested to a procedure per NFPA 99-5.1.12.3.10.
 - e. A statement that the systems were tested and found to have no cross-connections to a procedure per NFPA 99 5.1.12.3.3.
 - f. A statement that the systems were tested and found to be free of contaminants to a procedure per NFPA 99 5.1.12.3.8 except that the purity standard shall be 2 ppm difference for halogenated hydrocarbons and 1 ppm total hydrocarbons (as methane).
 - g. A statement that all local signals function as required under NFPA 99 5.1.3.4.7 and as per the relevant NFPA 99 sections relating to the sources.
 - h. A listing of local alarms, their function and activation per NFPA 99 5.1.12.3.14.
 - i. A listing of master alarms, their function and activation, including pressures for high and low alarms per NFPA 99 5.1.12.3.5.2.
 - j. A listing of area alarms, their function and activation pressures per NFPA 99 5.1.12.3.5.3.
 - k. A statement that the sources include all alarms required by NFPA 99 Table A.5.1.9.5.
 - l. The concentration of each component of NFPA 99 Table 5.1.12.3.12 in the medical air after 24 hours of operation of the medical air source.
 - m. The concentration of each gas at each outlet as specified in NFPA 99 5.1.12.3.11.
 - n. A statement that all valves and alarms are accurately labeled as to zone of control.
 11. Remove and replace components that do not pass tests and inspections and retest as specified above.
 12. Testing Agency Certification: Certify that specified inspection, tests, and procedures have been performed and report results. Include the following:
 - a. Inspections performed.
 - b. Procedures, materials, and gases used.
 - c. Tests methods used.
 - d. Results of tests.
- G. Dielectric Separation of Copper Piping and Building Elements:
1. Isolate copper piping from metal building elements such as steel studs, pipe sleeves, beams, joists, and metal deck with plastic grommets or vinyl tape.

3.11 COMMISSIONING:

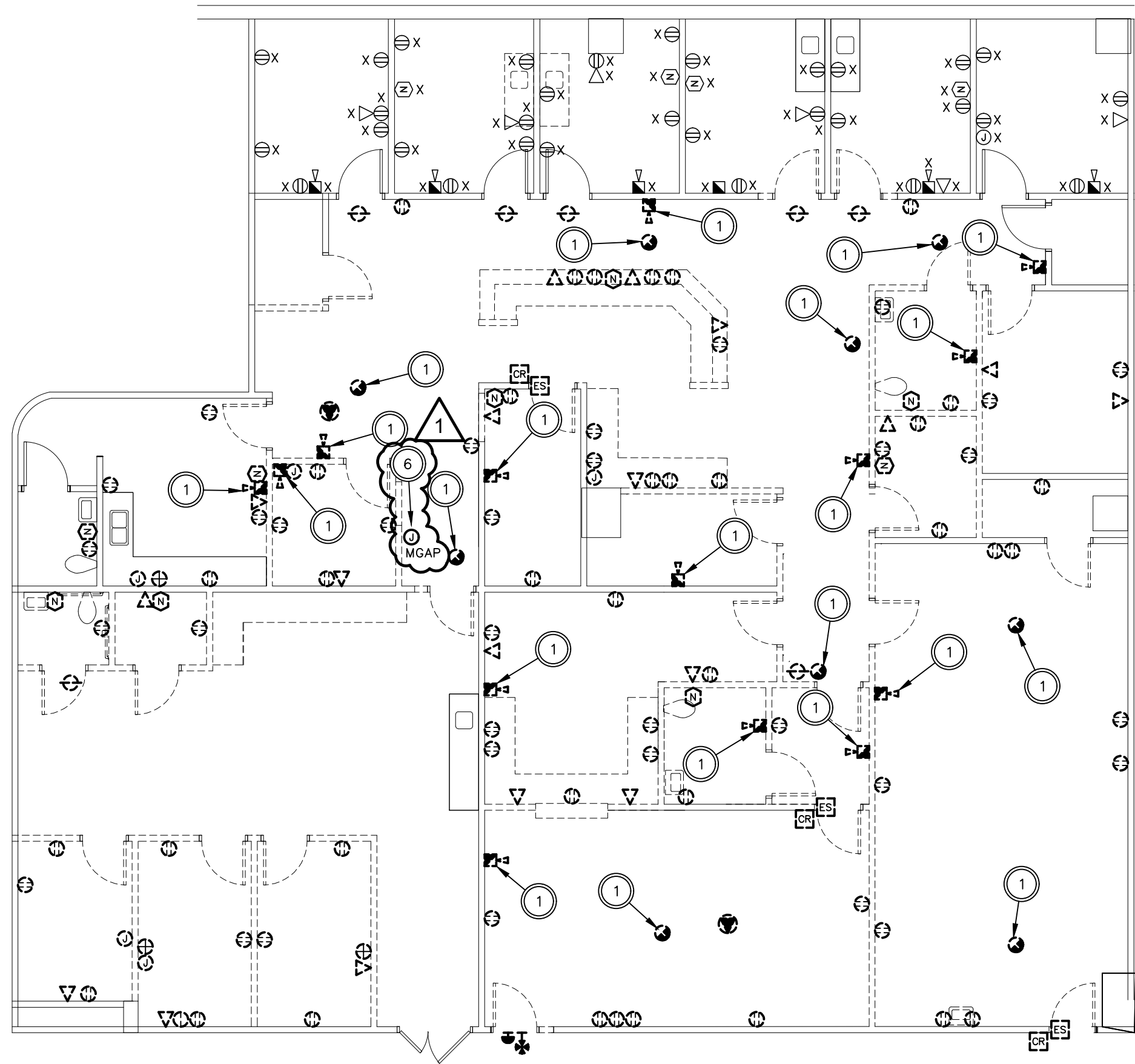
- A. Provide the services of a factory-authorized service representative to inspect alarm system installation and to provide start-up service.
- B. Operate and adjust operating and safety controls. Replace damaged and malfunctioning controls and equipment discovered by the service representative.
- C. Checks Before Start-up: Perform the following final checks before start-up:
 - 1. Verify that specified tests of piping systems are complete.
 - 2. Check that safety (pressure-relief) valves have correct setting that is greater than medical air compressor discharge pressure, but not greater than pressure rating of system components.

3.12 DEMONSTRATION:

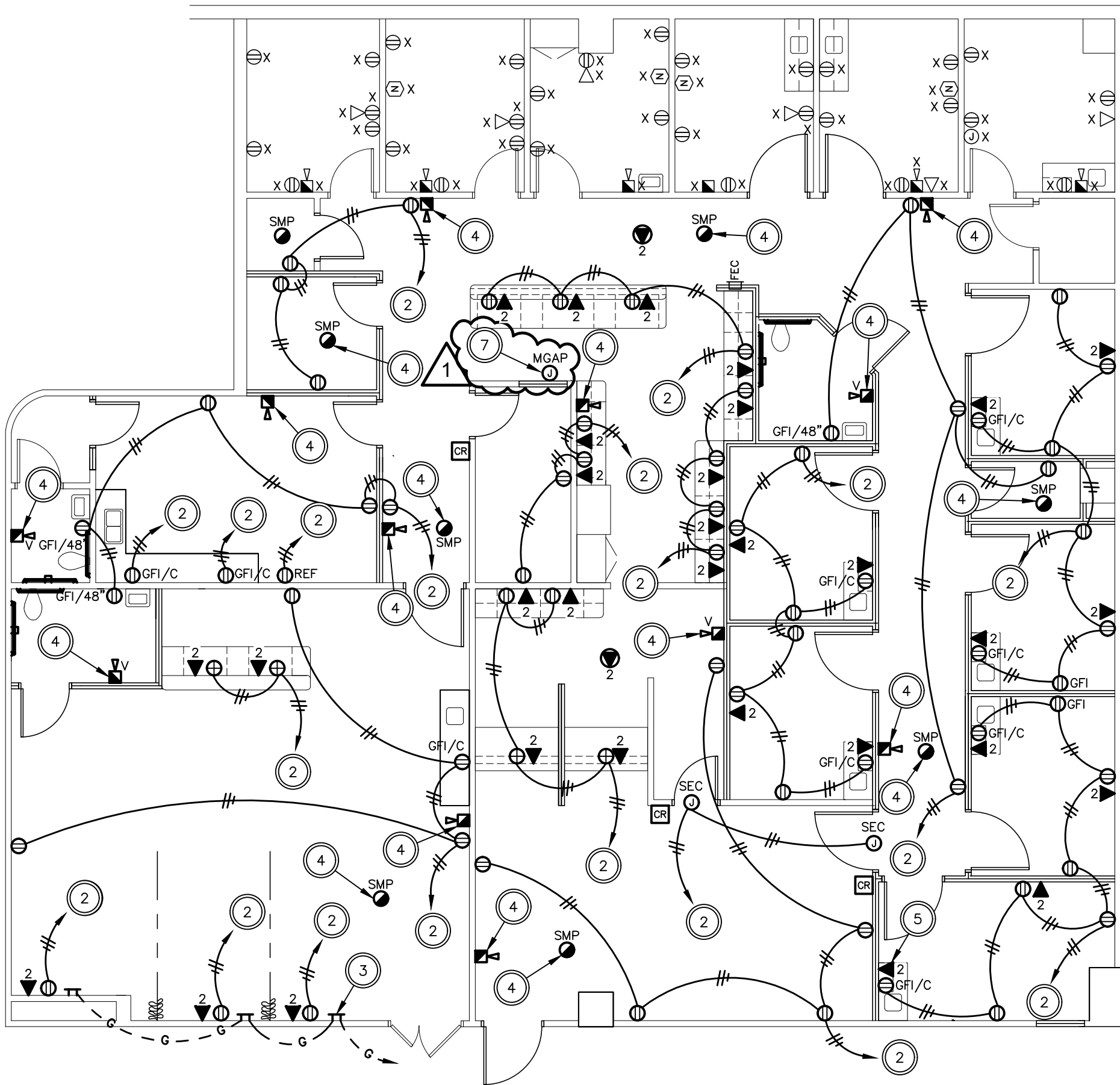
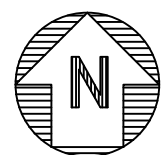
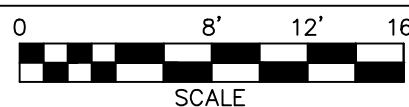
- A. Provide the services of a factory-authorized service representative to demonstrate alarm system start-up and shut-down procedures, preventative maintenance and servicing procedures, and troubleshooting procedures. Review operating and maintenance information.
- B. Provide 7-day written notice in advance of demonstration.

END OF SECTION 226214

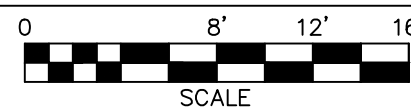
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POWER/SYSTEMS - DEMO - FLOOR PLAN - ELEC



POWER/SYSTEMS - NEW - FLOOR PLAN - ELEC



PLAN NOTES

- A. PROVIDE UPDATED, TYPED PANEL BOARD SCHEDULES FOR ANY EXISTING PANEL BOARD TO BE ALTERED.
- B. CUT AND PATCH OR FISH EXISTING WALLS AS NECESSARY TO ALLOW FOR INSTALLATION OF NEW DEVICES.
- C. EXISTING MASTER MED GAS ALARM PANEL TO BE REMOVED AND REPLACED. MAINTAIN WIRING AND CONDUIT FOR POWER AND COMMUNICATION TO BE RECONNECTED TO NEW MASTER ALARM PANEL, ME-3. SPLICE AND EXTEND POWER WIRING AS REQUIRED. WHERE COMMUNICATION WIRING IS UNABLE TO REACH NEW MASTER ALARM PANEL TERMINALS, PROVIDE SPLICE BOX TO EXTEND CABLING. COORDINATE EXACT LOCATION OF EXISTING MASTER MED GAS ALARM PANEL IN FIELD.

CODED NOTES

1. FIRE ALARM DEVICE TO BE DISCONNECTED, REMOVED AND STORED FOR REINSTALLATION DURING NEW WORK. MAINTAIN CONDUIT AND WIRE ABOVE CEILING FOR EXTENSION TO NEW LOCATION. REFER TO NEW WORK FOR ADDITIONAL INFORMATION.
2. USE SPARE 20A/1P CIRCUIT BREAKER IN PANEL "RPBA1" IN EXISTING ELECTRICAL ROOM APPROXIMATELY 150' PLAN SOUTHEAST OF SUITE.
3. FURNISH AND INSTALL GROUND BAR FOR HYPERBOLIC CHAMBERS, DAISY-CHAIN #6G CONDUCTOR FROM EACH CHAMBER TO GROUND BAR. GROUND BAR SHALL BE CONNECTED TO BRANCH CIRCUIT PANEL GROUND WITH #6G CONDUCTOR. REFER TO GROUND BAR DETAIL FOR ADDITIONAL INFORMATION. (TYP)
4. REINSTALL EXISTING FIRE ALARM DEVICE MAINTAINED DURING DEMOLITION. SPLICE AND EXTEND CONDUIT AND WIRE AS REQUIRED.
5. PROVIDE (2) CAT6 DATA CABLES FROM EXISTING TELEDATA ROOM APPROXIMATELY 150' PLAN SOUTHEAST OF SUITE. REFER TO CABLING DETAILS FOR ADDITIONAL INFORMATION. MATCH EXISTING PATCH PANEL MANUFACTURER. (TYP)
6. MEDICAL GAS ALARM PANEL TO BE DISCONNECTED AND REMOVED. MAINTAIN BRANCH CIRCUIT CONDUIT AND WIRE FOR REUSE. COORDINATE WITH PC.
7. NEW MEDICAL GAS ALARM PANEL. SPLICE AND EXTEND EXISTING CONDUIT AND WIRE MAINTAINED DURING DEMOLITION TO NEW LOCATION. COORDINATE WITH PC.



Marlon C. Hathaway
SIGNATURE DATE 09/09/25

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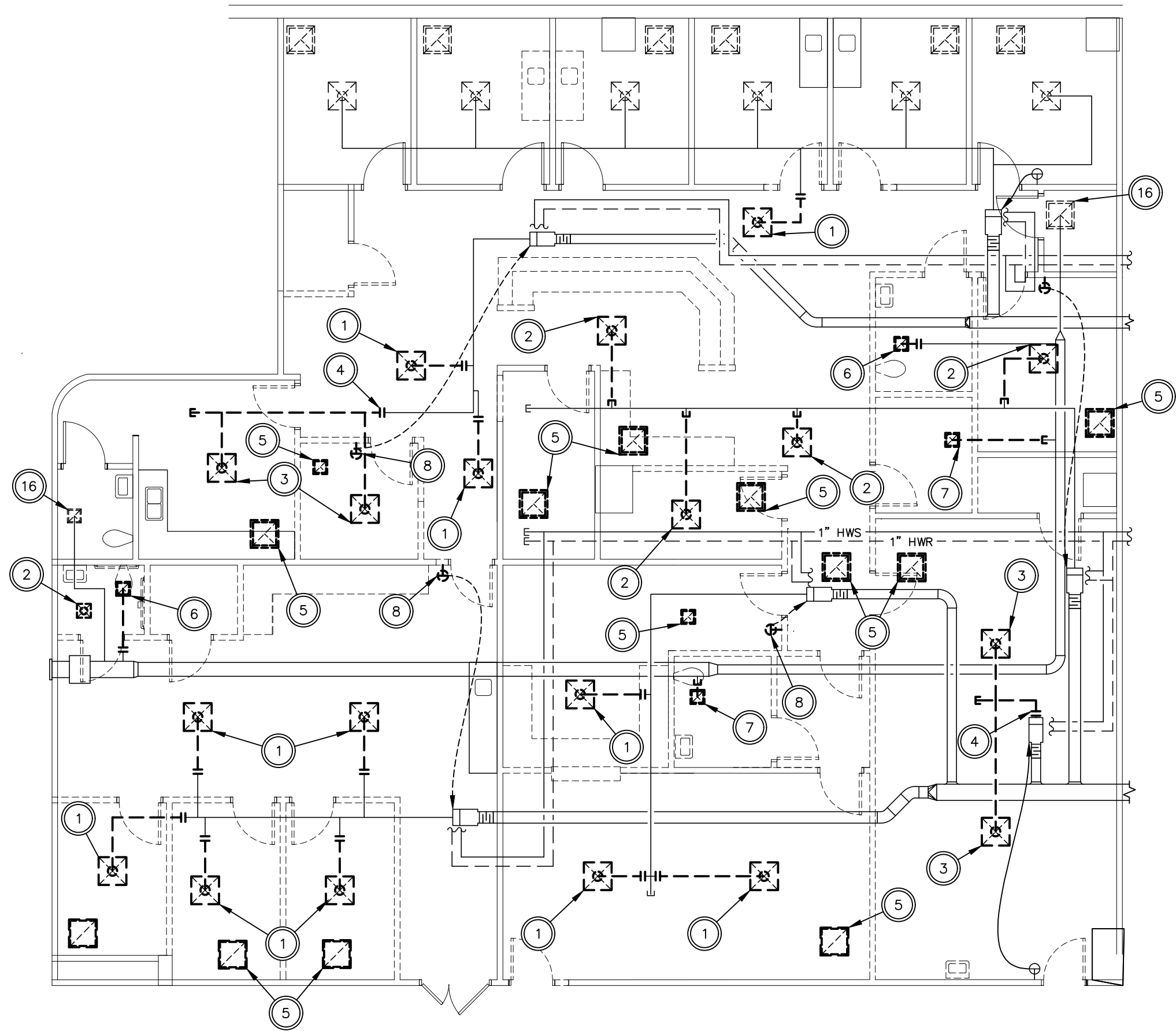
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SHEET NAME
POWER/SYSTEMS -
DEMO & NEW - FLOOR
PLAN - ELECTRICAL

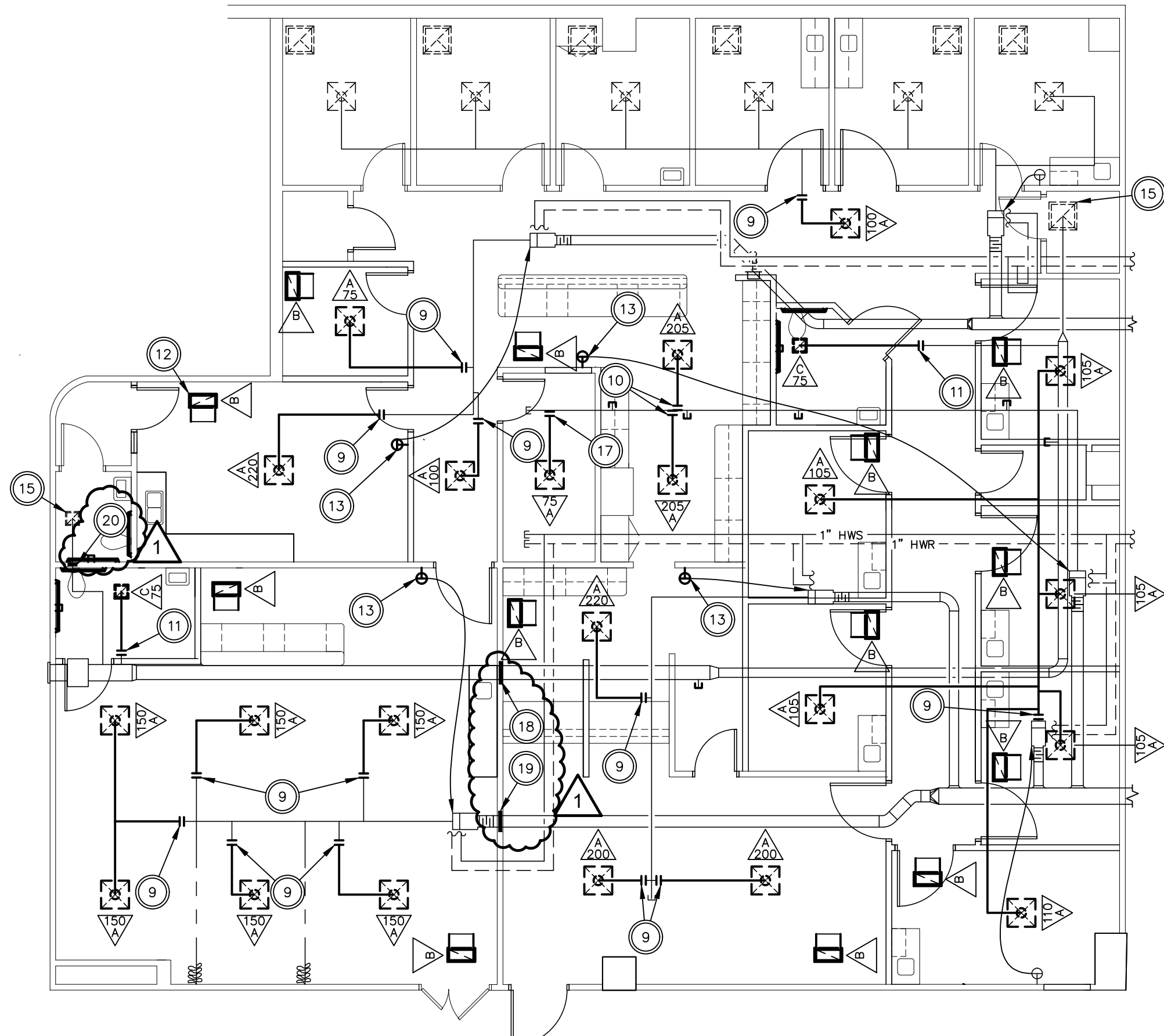
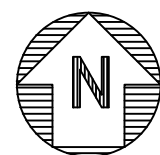
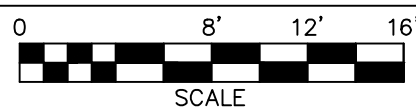
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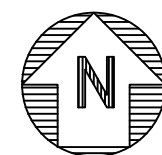
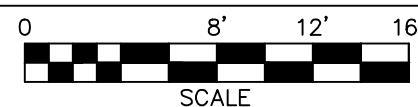
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DEMOLITION - FLOOR PLAN - HVAC



NEW WORK - FLOOR PLAN - HVAC

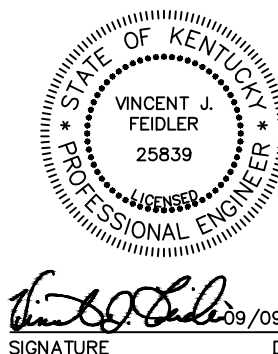


PLAN NOTES

- SEE SHEET M1.1 FOR GENERAL NOTES, SYMBOL LEGEND SCHEDULES.
- SEE SHEET M3.1 FOR DETAILS.
- SEE SHEET M4.X SERIES FOR SPECIFICATIONS.
- EXISTING DUCTWORK AND EQUIPMENT SHOWN WITH LIGHT LINES.
- EXISTING DUCTWORK AND EQUIPMENT TO BE REMOVED SHOWN WITH DARK DASHED LINES ON DEMOLITION PLANS.
- NEW WORK DUCTWORK AND EQUIPMENT SHOWN WITH DARK LINES ON NEW WORK PLANS.

CODED NOTES

- EXISTING S.A. DIFFUSER TO BE REMOVED. DISCONNECT AND REMOVE ASSOCIATED S.A. DUCTWORK BACK TO POINT INDICATED FOR RECONNECTION UNDER NEW WORK.
- EXISTING S.A. DIFFUSER TO BE REMOVED. DISCONNECT AND REMOVE ASSOCIATED S.A. DUCTWORK BACK TO MAIN AND CAP AIR TIGHT.
- EXISTING S.A. DIFFUSER TO BE REMOVED. DISCONNECT AND REMOVE ASSOCIATED S.A. DUCTWORK AS SHOWN.
- REMOVE EXISTING S.A. DUCTWORK BACK TO POINT INDICATED FOR RECONNECTION UNDER NEW WORK.
- EXISTING R.A. GRILLE TO BE REMOVED.
- EXISTING E.A. GRILLE TO BE REMOVED. DISCONNECT AND REMOVE ASSOCIATED E.A. DUCTWORK BACK TO POINT INDICATED FOR RECONNECTION UNDER NEW WORK.
- EXISTING E.A. GRILLE TO BE REMOVED. DISCONNECT AND REMOVE ASSOCIATED E.A. DUCTWORK BACK TO POINT MAIN AND CAP AIR TIGHT.
- EXISTING THERMOSTAT TO BE RELOCATED, SEE NEW WORK PLANS.
- TIE NEW S.A. DUCTWORK INTO EXISTING S.A. DUCTWORK AT POINT INDICATED, MATCH EXISTING SIZE.
- 10" S.A. DUCTWORK, TIE INTO EXISTING S.A. DUCTWORK AT POINT INDICATED.
- TIE NEW E.A. DUCTWORK INTO EXISTING E.A. DUCTWORK AT POINT INDICATED, MATCH EXISTING SIZE.
- RETURN AIR GRILLE WITH BOOT, SEE DETAIL (TYP.).
- RELOCATED THERMOSTAT, REWORK/EXTEND EXISTING CONTROL WIRING AS REQUIRED.
- EXISTING S.A. DIFFUSER TO BE REMOVED. DISCONNECT AND REMOVE ASSOCIATED S.A. DUCTWORK BACK TO POINT INDICATED FOR RECONNECTION UNDER NEW WORK. PRE-RECORD EXISTING AIRFLOW.
- BALANCE TO PRE-RECORDED AIRFLOW.
- PRE-RECORD EXISTING AIRFLOW PRIOR TO DEMOLITION.
- 6" S.A. DUCTWORK, TIE INTO EXISTING S.A. DUCTWORK AT POINT INDICATED.
- INSTALL 1-1/2" FIRE DAMPER IN EXISTING 12"x8" DUCTWORK, FIELD VERIFY DUCTWORK SIZE PRIOR TO ORDERING DAMPER, SEE "TYPE B FIRE DAMPER" DETAIL.
- INSTALL 1-1/2" FIRE DAMPER IN EXISTING 10" DUCTWORK, FIELD VERIFY DUCTWORK SIZE PRIOR TO ORDERING DAMPER, SEE "TYPE C FIRE DAMPER" DETAIL.
- INSTALL 1-1/2" FIRE DAMPER IN EXISTING 6" DUCTWORK, FIELD VERIFY DUCTWORK SIZE PRIOR TO ORDERING DAMPER, SEE "TYPE C FIRE DAMPER" DETAIL.



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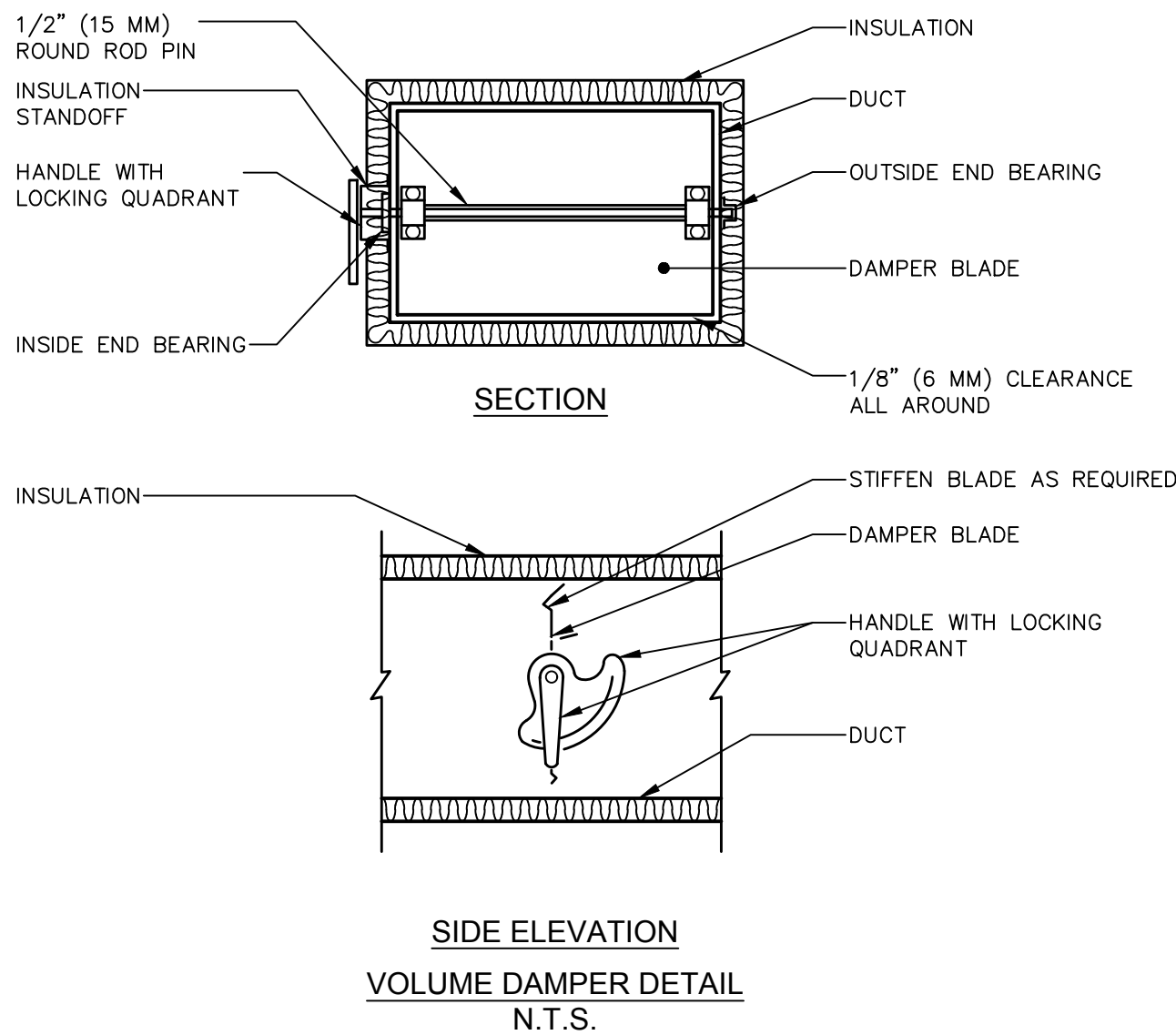
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PLAN - HVAC

COM 24116
DATE
09/09/2025

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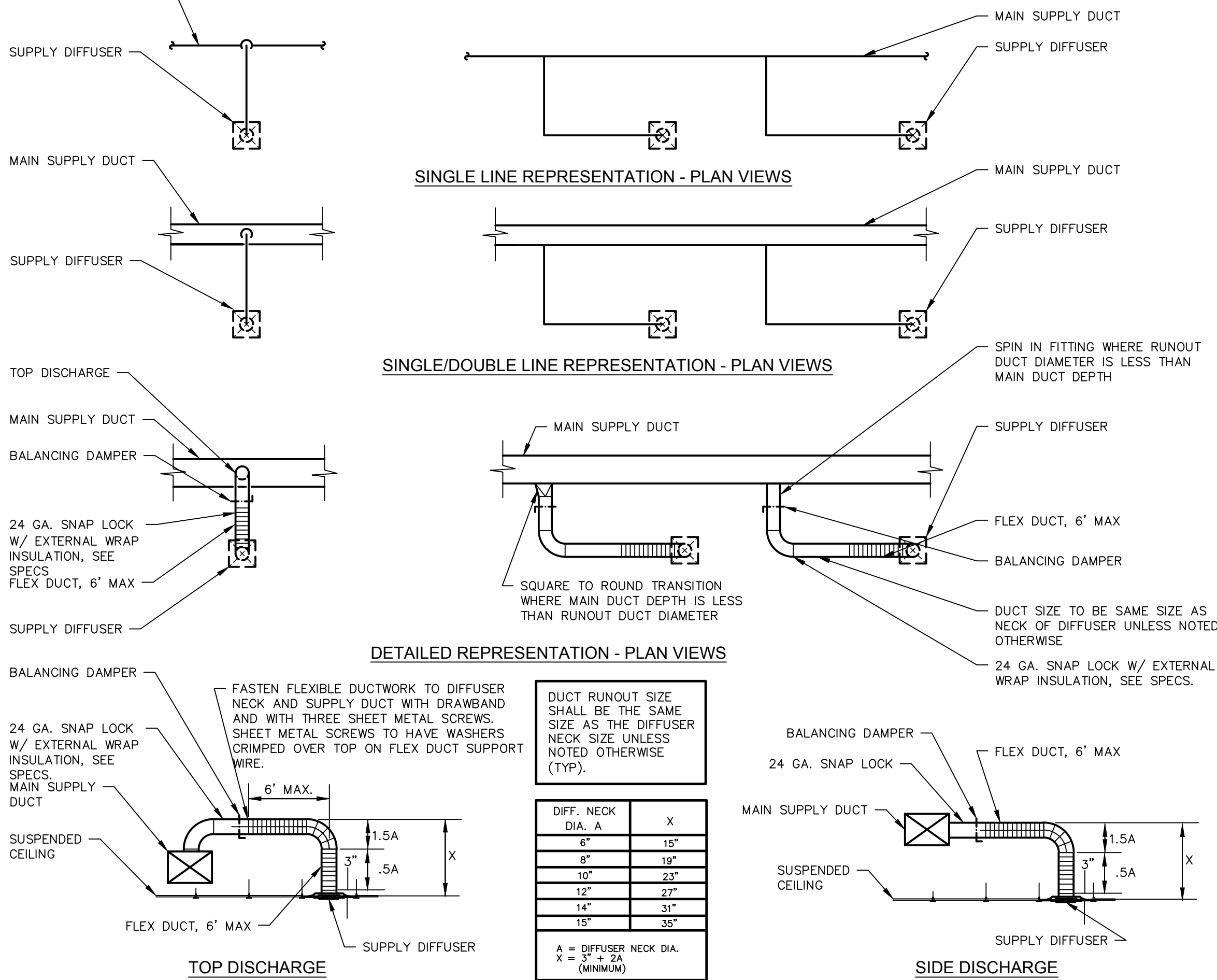
NOTE:

1. DELETE INSULATION STAND-OFF ON DUCTWORK WITHOUT EXTERIOR INSULATION.
2. DETAIL SHOWS SINGLE BLADE DAMPER. DAMPER INSTALLATION SHALL BE SIMILAR FOR MULTI-BLADE DAMPERS & ROUND DAMPERS.



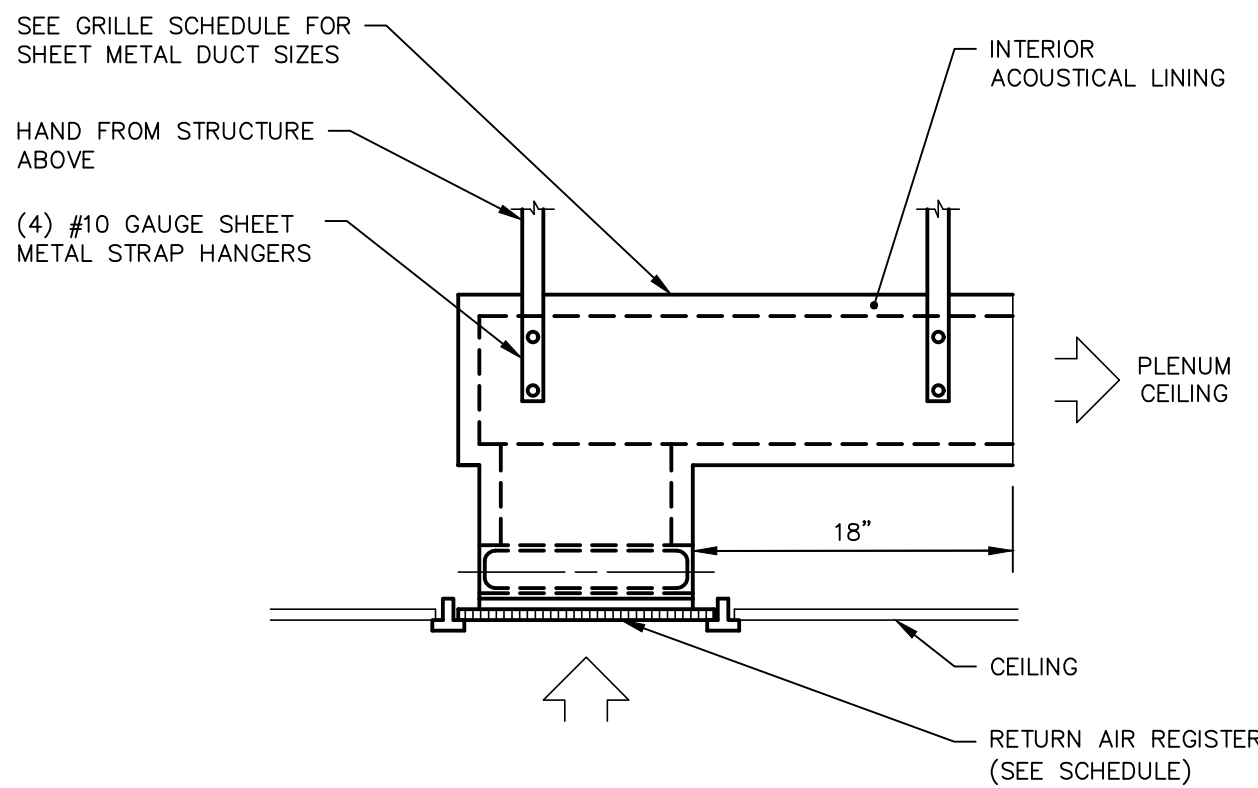
NOTE:

THE DETAILED REPRESENTATION VIEWS INDICATE TYPICAL INSTALLATION STANDARD FOR ALL DIFFUSER RUNOUTS, REGARDLESS OF WHETHER SINGLE LINE REPRESENTATIONS HAVE BEEN USED ON THE PLANS FOR CLARITY. ALL DIFFUSERS SHALL BE PROVIDED WITH DUCT-MOUNTED BALANCE DAMPERS UNLESS BALANCING MEANS ARE NOTED ELSEWHERE.



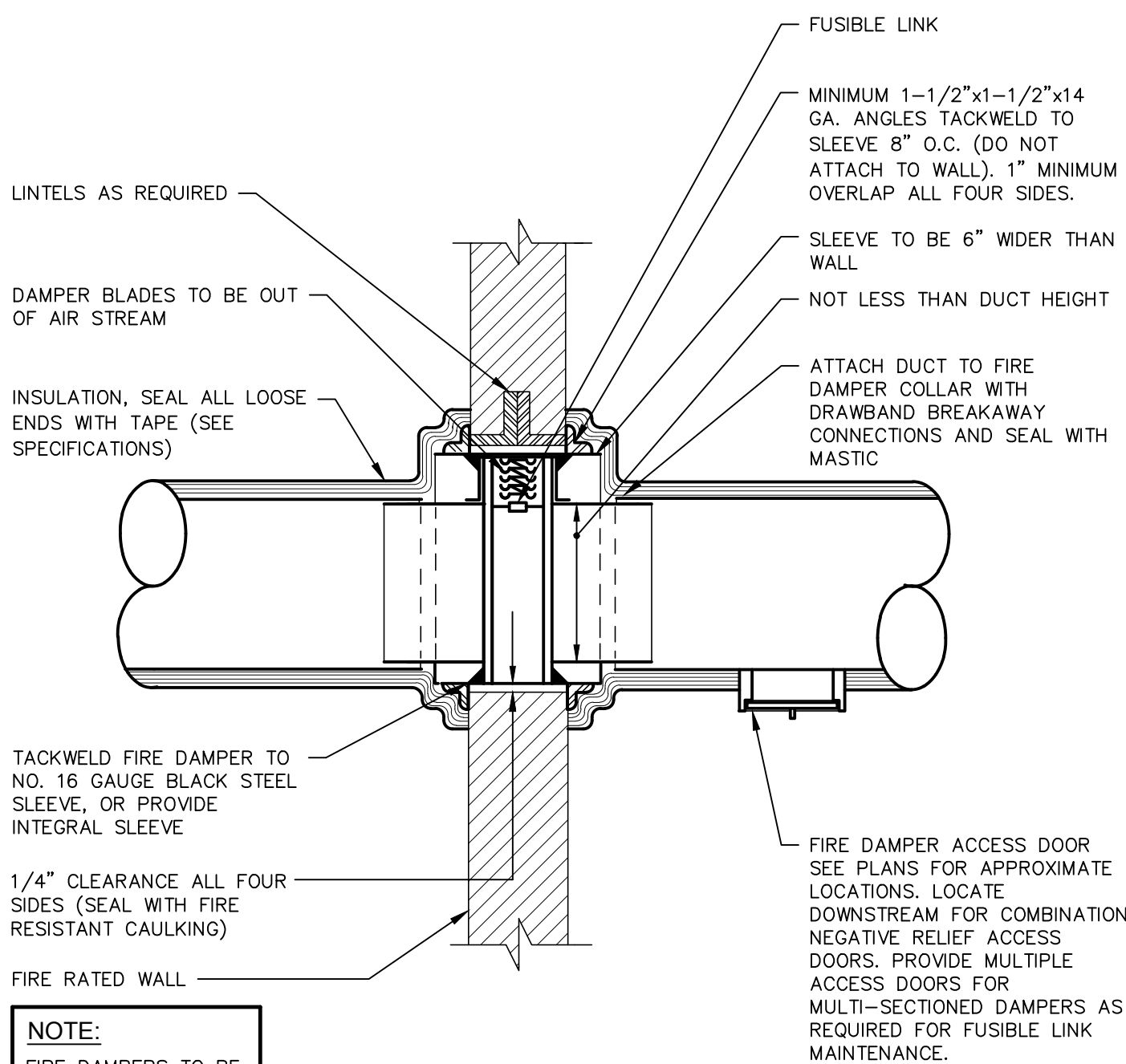
SUPPLY DIFFUSER CONNECTION DETAIL

N.T.S.



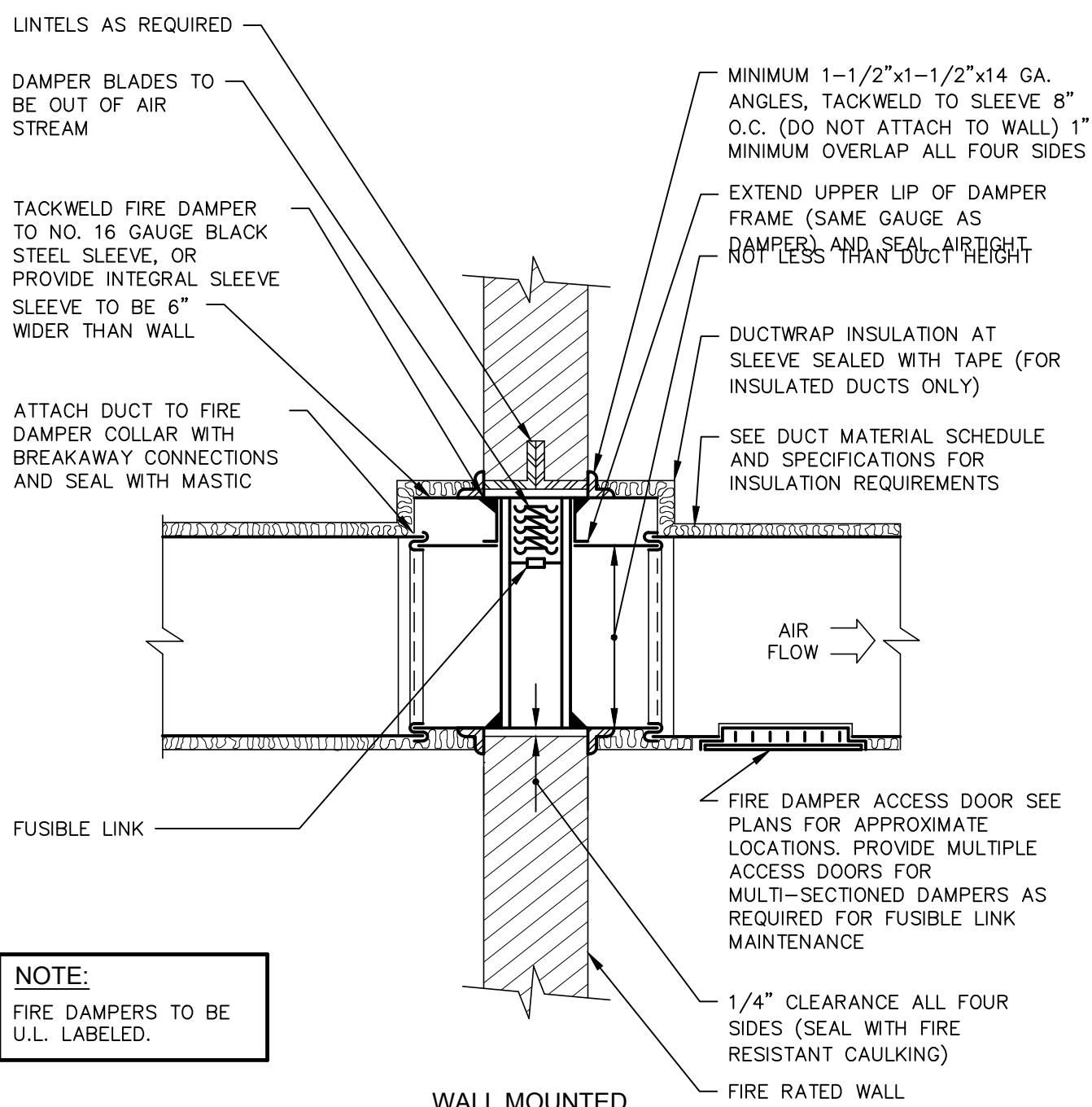
RETURN AIR BOOT

N.T.S.



WALL MOUNTED TYPE C FIRE DAMPER

N.T.S.



WALL MOUNTED TYPE B FIRE DAMPER

N.T.S.

NOTE:

FIRE DAMPERS TO BE U.L. LABELED.

PLUMBING NEW WORK GENERAL NOTES

1. THE GENERAL NOTES LISTED HERE APPLY TO ALL PLUMBING DRAWINGS IN ADDITION TO ANY ADDITIONAL DRAWING NOTES ON THE INDIVIDUAL DRAWINGS.
2. SEE CODED NOTES ON INDIVIDUAL DRAWING SHEETS FOR SPECIFIC INSTRUCTIONAL NOTES.
3. FIELD VERIFY EXISTING CONDITIONS PRIOR TO THE START OF CONSTRUCTION.
4. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING WORK. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES WHICH OCCURS BY HIS FAILURE TO LOCATE OR PRESERVE THE UNDERGROUND CONDITIONS.
5. IF DURING CONSTRUCTION OPERATIONS, THE PLUMBING CONTRACTOR ENCOUNTERS UTILITIES OTHER THAN THOSE LOCATIONS SHOWN IN THE PLANS, HE SHALL IMMEDIATELY NOTIFY THE ENGINEER AND TAKE THE NECESSARY STEPS TO PROTECT THE FACILITY AND ASSURE THE CONTINUANCE OF SERVICE.
6. COORDINATE WITH GENERAL TRADES WORK, HVAC WORK, FIRE PROTECTION WORK, ELECTRICAL WORK AND OTHER WORK.
7. IT IS RECOGNIZED THAT DRAWINGS MAY BE PLOTTED AT DIFFERENT SCALES, SUCH THAT PLOTTED DRAWINGS MAY VARY FROM ACTUAL OR INTENDED DIMENSIONS. THEREFORE, DRAWINGS ARE DIAGRAMMATIC AND ARE NOT TO BE SCALED. SBM TAKES NO RESPONSIBILITY FOR ERRORS REGARDING DISCREPANCIES FROM THE ORIGINAL DRAWINGS DRAWN AT THE PROPER SCALE AND THOSE DRAWINGS THAT HAVE BEEN PLOTTED.
8. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF FIRE AND SMOKE WALLS AND RATED STRUCTURES. SEE DETAILS AND SPECIFICATIONS FOR PIPE PENETRATION SEAL REQUIREMENTS.
9. THE PLUMBING DESIGN DRAWINGS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO SHOW EXACT LOCATION OF EQUIPMENT AND PIPING UNLESS DIMENSIONS ARE GIVEN OR OTHERWISE IMPLIED FOR CLEARANCES, ETC. PIPING AND PLUMBING EQUIPMENT ARE TO BE INSTALLED ALONG THE GENERAL PLANS SHOWN ON THE DRAWINGS, BUT KEEPING IN MIND ACTUAL BUILDING CONDITIONS WHICH MUST BE CONFORMED WITH IN THE ACTUAL WORK. CONTRACTORS IN THEIR BIDS ARE REQUIRED TO INCLUDE ALL LABOR AND MATERIALS AND OTHER RELATED WORK NECESSARY TO PROVIDE MINOR OFFSETS IN PLUMBING WORK AS REQUIRED TO AVOID CONFLICT WITH OTHER WORK ON THIS PROJECT OR AS REQUIRED IN ORDER TO OBTAIN MAXIMUM HEAD ROOM OR EQUIPMENT ACCESS IN SPACES.
10. THE PLUMBING CONTRACTOR IS TO COORDINATE ALL PIPING WITH OTHER TRADES PRIOR TO ROUTING PIPING AND SHALL MAKE OFFSETS AND ADJUST PIPE ROUTING AS REQUIRED TO HANDLE CONFLICTS IN FIELD. THE PLUMBING CONTRACTOR SHALL ALSO BE REQUIRED TO OFFSET VERTICAL SANITARY AND VENT LINES AROUND STRUCTURAL MEMBERS AS REQUIRED AND SHALL INCLUDE IN THEIR BASE BID THE ASSOCIATED COST FOR ADDITIONAL FITTINGS, PIPING, AND MAN HOURS TO ACCOMMODATE CONFLICTS.
11. SEE ARCHITECTURAL PLANS FOR EXACT LOCATION AND ELEVATION OF PLUMBING FIXTURES.
12. ALL COLD WATER AND HOT WATER PIPING TO INDIVIDUAL SINKS AND INDIVIDUAL LAVATORIES TO BE 1/2", UNLESS OTHERWISE INDICATED.
13. ALL COLD WATER AND HOT WATER PIPING SERVING 3 OR LESS SINKS OR LAVS ARE TO BE 3/4" UNLESS NOTED OTHERWISE.
14. UNLESS OTHERWISE NOTED SEE PLUMBING FIXTURE SCHEDULE FOR FIXTURE DRAIN, VENT, DCW AND DHW PIPE SIZES.
15. P.C. TO FURNISH WALL FLANGES AROUND ALL PIPING EXPOSED BELOW CEILING AND CASEWORK.
16. P.C. TO COORDINATE ALL COUNTERTOP SINKS WITH CASEWORK TO ENSURE PROPER INSTALLATION AND CLEARANCE REQUIREMENTS PRIOR TO ORDERING AND INSTALLATION. COORDINATE ANY CHANGE IN SIZE OR CONFIGURATION WITH PROJECT ENGINEER AND ARCHITECT.
17. UNLESS OTHERWISE INDICATED, ALL PIPING TO RUN GENERALLY BELOW DUCTWORK FOR ACCESS TO VALVING. DO NOT OBSTRUCT EQUIPMENT OR ACCESS DOORS.
18. SEE PROJECT SPECIFICATIONS FOR CUTTING AND PATCHING RESPONSIBILITIES.
19. UNLESS NOTED OTHERWISE, WASTE PIPING SHOWN IS LOCATED IN CEILING SPACE OF FLOOR BELOW, VENT, DCW, DHW, RDHW PIPING IS LOCATED IN CEILING SPACE OF PLAN FLOOR.
20. PLUMBING FIXTURE NUMBERS ARE SHOWN ON WASTE PLANS AND REFERS TO PLUMBING FIXTURE SCHEDULE.
21. ACCESS PANELS ARE TO BE FURNISHED AND INSTALLED BY THE PLUMBING CONTRACTOR. THE PLUMBING CONTRACTOR IS TO COORDINATE LOCATION AND INSTALLATION OF VALVES, SHOCK STOPS, AND CLEANOUTS ABOVE ACCESS PANEL WITH G.C. AND ARCHITECTURAL DRAWINGS TO MINIMIZE SIZE OF PANELS.
22. SEE ARCHITECTURAL DRAWINGS FOR FINAL PLACEMENT AND ELEVATION OF MEDICAL GAS OUTLETS.
23. WITH REGARDS TO MEDICAL GAS MAINTENANCE SERVICE VALVES, PROVIDE A PLASTIC COATED CABLE AND KEY LOCK ASSEMBLY TO LOCK VALVES OPEN. THE HANDLE OF EACH VALVE SHALL BE DRILLED TO PERMIT PASSING THE CABLE THRU THE VALVE HANDLE. ALL LOCKS SHALL BE KEYED THE SAME. TURN KEYS OVER TO OWNER. EACH VALVE SHALL BE LABELED IN REGARDS TO AREA SERVED AND MEDICAL GAS WITHIN PIPE.

PLUMBING DEMOLITION GENERAL NOTES

1. THE GENERAL NOTES LISTED HERE APPLY TO ALL DEMOLITION DRAWINGS IN ADDITION TO ANY ADDITIONAL DEMOLITION DRAWING NOTES ON THE INDIVIDUAL DEMOLITION DRAWINGS.
2. IT IS RECOGNIZED THAT DRAWINGS MAY BE PLOTTED AT DIFFERENT SCALES, SUCH THAT PLOTTED DRAWINGS MAY VARY FROM ACTUAL OR INTENDED DIMENSIONS. THEREFORE, DRAWINGS ARE DIAGRAMMATIC AND ARE NOT TO BE SCALED. SBM TAKES NO RESPONSIBILITY FOR ERRORS REGARDING DISCREPANCIES FROM THE ORIGINAL DRAWINGS DRAWN AT THE PROPER SCALE AND THOSE DRAWINGS THAT HAVE BEEN PLOTTED.
3. WALLS SHOWN IN DASHED ARE BEING REMOVED. WALLS SHOWN TO BE REMOVED MAY CONTAIN PLUMBING PIPING TO FIXTURES THAT ARE TO REMAIN. THIS PIPING IS TO BE PROTECTED DURING WORK.
4. DARK, DASHED LINES INDICATE PIPING AND EQUIPMENT TO BE REMOVED.
5. UNLESS NOTED OTHERWISE, ALL PIPING TO BE DEMOLISHED SHALL BE REMOVED BACK TO THE MAIN AND CAPPED.
6. CAP ALL REMAINING PIPING WITH SIMILAR MATERIALS. PIPE ENDS INDICATED TO BE CAPPED ARE NOT TO BE CRIMPED. ALL DCW, DHW, & RDHW PIPING SHOWN TO BE REMOVED AND NOT INDICATED TO BE EXTENDED WITH NEW WORK, THE CAPPED ENDS ARE TO BE INSULATED WITH MATERIALS SPECIFIED FOR NEW WORK.
7. NEW INSULATION IS TO BE INSTALLED ON ANY EXPOSED SECTIONS OF PIPING THAT WAS PREVIOUSLY INSULATED PRIOR TO THE START OF DEMOLITION WORK. THIS INCLUDES CAPPED ENDS OF PIPING.
8. PROVIDE HANGERS TO SUPPORT ANY REMAINING PIPING OR EQUIPMENT.
9. REMOVE ALL HANGERS AND SUPPORTS FOR PIPING AND EQUIPMENT BEING DEMOLISHED.
10. OWNER SHALL HAVE SALVAGE RIGHTS TO ANY EQUIPMENT OR MATERIALS BEING REMOVED. ANY EQUIPMENT OR MATERIALS REFUSED BY THE OWNER SHALL BE REMOVED FROM THE SITE. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
11. SEE SPECIFICATIONS FOR ALL CUTTING AND PATCHING REQUIREMENTS REQUIRED UNDER DEMOLITION AND ALSO INDICATED ON DRAWINGS.
12. THIS CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF CONSTRUCTION.
13. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING WORK. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES WHICH OCCURS BY HIS FAILURE TO LOCATE OR PRESERVE THE UNDERGROUND CONDITIONS.
14. IF DURING CONSTRUCTION OPERATIONS, THE PLUMBING CONTRACTOR ENCOUNTERS UTILITIES OTHER THAN THOSE LOCATIONS SHOWN IN THE PLANS, HE SHALL IMMEDIATELY NOTIFY THE ENGINEER AND TAKE THE NECESSARY STEPS TO PROTECT THE FACILITY AND ASSURE THE CONTINUANCE OF SERVICE.
15. AN ATTEMPT HAS BEEN MADE TO SHOW ALL ITEMS TO BE REMOVED AND/OR RELOCATED. FIELD VERIFY EXISTING CONDITIONS INCLUDING LOCATIONS AND INVERTS AND REMOVE OR RELOCATE ALL PLUMBING PIPING THAT INTERFERES WITH NEW CONSTRUCTION PRIOR TO START OF WORK.
16. ANY DISRUPTION OF ANY EXISTING SERVICE THAT SERVES THE BUILDING SHALL BE COORDINATED WITH THE OWNER PRIOR TO DISRUPTION. WORK ASSOCIATED WITH THIS SERVICE SHALL BE PERFORMED AT A TIME REQUESTED BY OWNER WHICH COULD BE PERFORMED OFF STANDARD WORKING HOURS AT NO ADDITIONAL COST TO OWNER FOR TIME OF WORK. COST TO BE INCLUDED UNDER BASE BID FOR PROJECT.
17. WHERE PLUMBING PIPING HAS BEEN REMOVED AND/OR CAPPED, THE PLUMBING CONTRACTOR IS TO PATCH FLOOR/WALL TO MATCH EXISTING CONDITIONS.
18. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR CUTTING AND PATCHING OF EXISTING WALLS, CEILINGS, AND FLOORS THAT REQUIRES PLUMBING WORK AND IS OUTSIDE THIS PROJECT. PATCHING IS TO MATCH EXISTING CONSTRUCTION AND FINISH.
19. REMOVAL AND REINSTALLATION OF CEILINGS NOT INDICATED TO BE REMOVED AND REINSTALLED ON THE ARCHITECTURAL DRAWINGS TO BE PERFORMED BY THIS CONTRACTOR FOR DEMOLITION OR INSTALLATION OF NEW PIPING OR EQUIPMENT OUTSIDE THE PROJECT AREA. REMOVAL OF PLUMBING PIPING IN CEILING SPACE IS TO BE COORDINATED WITH THE NEW WORK PLAN TO MINIMIZE DISTURBANCE TO ADJACENT SPACES.
20. P.C. TO REROUTE/RECONNECT ALL ACTIVE VENT PIPE REMOVED DURING CONSTRUCTION DUE TO DEMOLITION OF INTERIOR WALLS. VENT PIPING SHALL BE ROUTED IN NEW FURRED COLUMN SPACE OR NEW WALL STUD SPACE AS REQUIRED.
21. THE PLUMBING CONTRACTOR SHALL REMOVE PLUMBING PIPING IN WALLS TO BE REMOVED AND RE-PIPE ALL ITEMS OUTSIDE THE DEMOLITION LIMITS AND RESTORE TO ORIGINAL WORKING CONDITION.
22. WHERE EXISTING PIPING IS MAINTAINED AT WALLS SHOWN TO BE DEMOLISHED, CONTRACTOR TO REMOVE ABANDONED SLEEVES ASSEMBLIES AND ANY ASSOCIATED FIRESTOPPING MATERIALS ON PIPING. PIPING INSULATION WITHIN AND AROUND THE SLEEVE ASSEMBLY IS TO BE REMOVED AND REPLACED WITH SIMILAR INSULATION MATERIALS, MATCHING EXISTING.

PLUMBING SYMBOL LEGEND

ABBREVIATION	SYMBOL	DESCRIPTION
US	—US—	SANITARY SEWER BELOW FLOOR OR GRADE
SAN	—SAN—	SANITARY SEWER ABOVE FLOOR
	—V—	SANITARY VENT
UST	—UST—	STORM SEWER BELOW FLOOR OR GRADE
DS	—DS—	DOWNSPOUT ABOVE FLOOR (WITHIN BUILDING SPACE)
DCW	—DCW—	DOMESTIC COLD WATER
DHW	—DHW—	DOMESTIC HOT WATER
RDHW	—RDHW—	RECIRCULATED DOMESTIC HOT WATER
O	—O—	OXYGEN
	●	SHOCK STOP IN HORIZONTAL
	●	BALL VALVE
	⌵	BALANCE VALVE (SEE SPECIFICATIONS)
	C.O.	CLEANOUT
	FW/FCO	FLUSH WITH FLOOR CLEANOUT
	FW/WCO	FLUSH WITH WALL CLEANOUT
	P---	PLUMBING FIXTURE (SEE SCHEDULE)
	PE---	PLUMBING EQUIPMENT (SEE SCHEDULE)
	○	CODED NOTE
E.C.	E.C.	ELECTRICAL CONTRACTOR
F.S.C.	F.S.C.	FIRE SUPPRESSION CONTRACTOR
G.C.	G.C.	GENERAL CONTRACTOR
H.C.	H.C.	HVAC CONTRACTOR
P.C.	P.C.	PLUMBING CONTRACTOR
A.D.	A.D.	ACCESS DOOR
A.F.F.	A.F.F.	ABOVE FINISHED FLOOR
F.F.E.	F.F.E.	FINISHED FLOOR ELEVATION
MFR.	MFR.	MANUFACTURER
TYP.	TYP.	TYPICAL
	—H—	INDICATES TIE INTO EXISTING
	---H---	INDICATES REMOVE TO POINT FOR RECONNECTION
	---E---	INDICATES REMOVE TO POINT AND CAP

MEDICAL GAS EQUIPMENT SCHEDULE

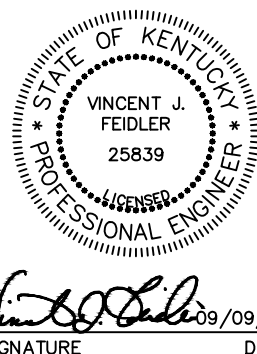
MARK NO.	DESCRIPTION	MAKE/MODEL/SIZE	REMARKS
ME-1	ZONE VALVE	BEACON MEDAES -- WITH REMOTE SENSOR INSTALLATION KIT	ZONE VALVE BOX WITH FULL PORT VALVES, COPPER TUBE EXTENSIONS, STACKABLE DESIGN UP TO 3 VALVES, WITH GAUGES, REMOVABLE COVER PANEL WITH PULL RING, SERVICE WINDOW DISPLAY AND GAUGE DISPLAY. 18 GAUGE STEEL BOX CONSTRUCTION WITH FACTORY FABRICATED FRAMES. VALVES TO BE INDEXED FOR GAS SERVICE AND BE UL AND N.F.P.A. 99 COMPLIANT. PROVIDE WITH DUAL PORTS.
ME-2	AREA ALARM PANEL	BEACON MEDAES -- TOTAL ALERT INFINITY	LED DISPLAY WITH PRESSURE STATUS INDICATORS, TEST BUTTON, NORMAL/ABNORMAL INDICATING LIGHTS, 120/1/60 VOLTAGE REQUIREMENTS. AUDIO ALARM WITH ALARM SILENCE.
ME-3	MASTER ALARM PANEL	BEACON MEDAES -- TOTAL ALERT INFINITY	DIGITAL MASTER ALARM PANEL WITH MODULES TO MONITOR UP TO (40) ALARM SIGNALS. PANEL IS TO BE SERVED WITH 120/1/60 ELECTRICAL POWER, HAVE STATUS LIGHTS, ALARM SILENCE OF AUDIO, TEST BUTTON, AND VISUAL ALARM INDICATOR LIGHTS FOR EACH ALARM.
ME-4	EMERGENCY OXYGEN SUPPLY CONNECTION	BEACON MEDAES	2" SURFACE MOUNTED EMERGENCY OXYGEN SUPPLY CONNECTION WITH OXYGEN INLETS. POWDER-COATED STEEL WEATHER-TIGHT ENCLOSURE WITH PADLOCK STAPLE TO PREVENT UNAUTHORIZED ACCESS. PROVIDE WITH RELIEF VALVE, CHECK VALVES, PRESSURE GAUGE, AND TERMINAL BLOCK FOR FOUR SETS OF ALARM CONTACTS IN ACCORDANCE WITH NFPA 99.

PLUMBING FIXTURE SCHEDULE

MARK No.	DESCRIPTION	MANUFACTURER	MODEL	SIZE	TRIM	DRAINAGE		WATER		CARRIER	REMARKS
						W.P.	V.P.	CW	HW		
P1-1	ADA WATER CLOSET	AMERICAN STANDARD	"MADERA" 3461.001	—	d1	4"	2"	1-1/4"	—		FLOOR MOUNT, FLOOR OUTLET, VITREOUS CHINA, 16.5" RIM HEIGHT, DIRECT-FED SIPHON JET ACTION, ELONGATED BOWL, FULLY-GLAZED 2" BALLPASS TRAPWAY, 1-1/2" TOP SPUD, PROVIDE WITH CHURCH #9500C OPEN FRONT SEAT, LESS COVER WITH CHECK HINGES.
P2-1	HANDICAP LAVATORY	AMERICAN STANDARD	"LUCERNE" 0356.015	21"x18"	a2, a3, b1, c1, d1, d2	1-1/2"	1-1/2"	1/2"	1/2"	WADE W-520-07	VITREOUS CHINA, FRONT OVERFLOW, D-SHAPED BOWL, FAUCET LEDGE, SELF-DRAINING DECK AREA WITH CONTOURED BACK AND SIDE SPLASH AREAS, SINGLE HOLE.
P3-1	COUNTERTOP SINK	ELKAY	"LUSTERTONE" LR1918	19"x18"	a2, b2, c1, d1	1-1/2"	1-1/2"	1/2"	1/2"	(COUNTERTOP)	18 GA., 302 STAINLESS STEEL, SINGLE COMPARTMENT, SELF-RIMMING, 3 HOLES, UNDERCOATED, 8" CENTERS.
NOTES:											
a1. "SLOAN" MODEL 111 MANUAL FLUSH VALVE, 1.28 GPF.											
a2. "CHICAGO FAUCETS" NO. 786 W/ GN2A SPOUT, 317 4" BLADE HANDLES, E29 LAMINAR FLOW OUTLET, 8" CENTERS.											
a3. "POWERS" NO. LM495 (ASSE 1070 COMPLANT) THERMOSTATIC POINT OF USE MIXING VALVE SET AT 105F. PROVIDE WITH INTEGRAL CHECK VALVES AND TEMPERATURE ADJUSTMENT WITH LOCK SCREW.											
b1. "AMERICAN STANDARD" NO. 7723.018 OFFSET GRID STAINER.											
b2. "ELKAY" NO. LK-18 GRID STRAINER											
c1. 1-1/2" CHROME PLATED CAST BRASS P-TRAP W/ CLEANOUT											
d1. "CHICAGO FAUCET" NO. 1017 LOOSE KEY ANGLE STOPS AND 3/8" O.D. FLEXIBLE RISERS AND WALL FLANGE											

SHOCK ABSORBER SCHEDULE

DESCRIPTION	MANUFACTURER	REMARKS
SHOCK ABSORBER	PPP	1/2", FIXTURE UNIT CAPACITY: 1-11
SHOCK ABSORBER	PPP	3/4", FIXTURE UNIT CAPACITY: 12-32



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SHEET NAME

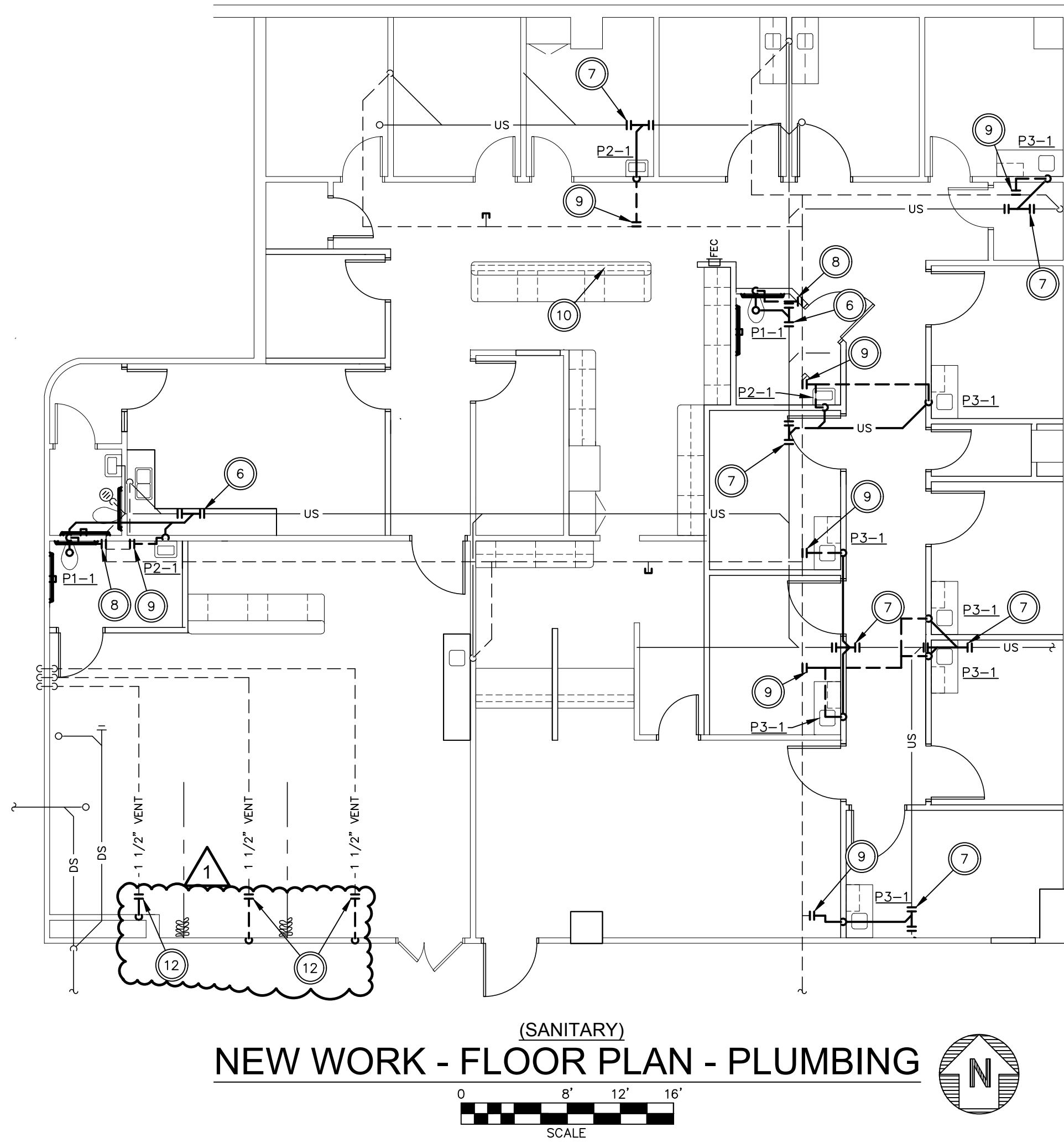
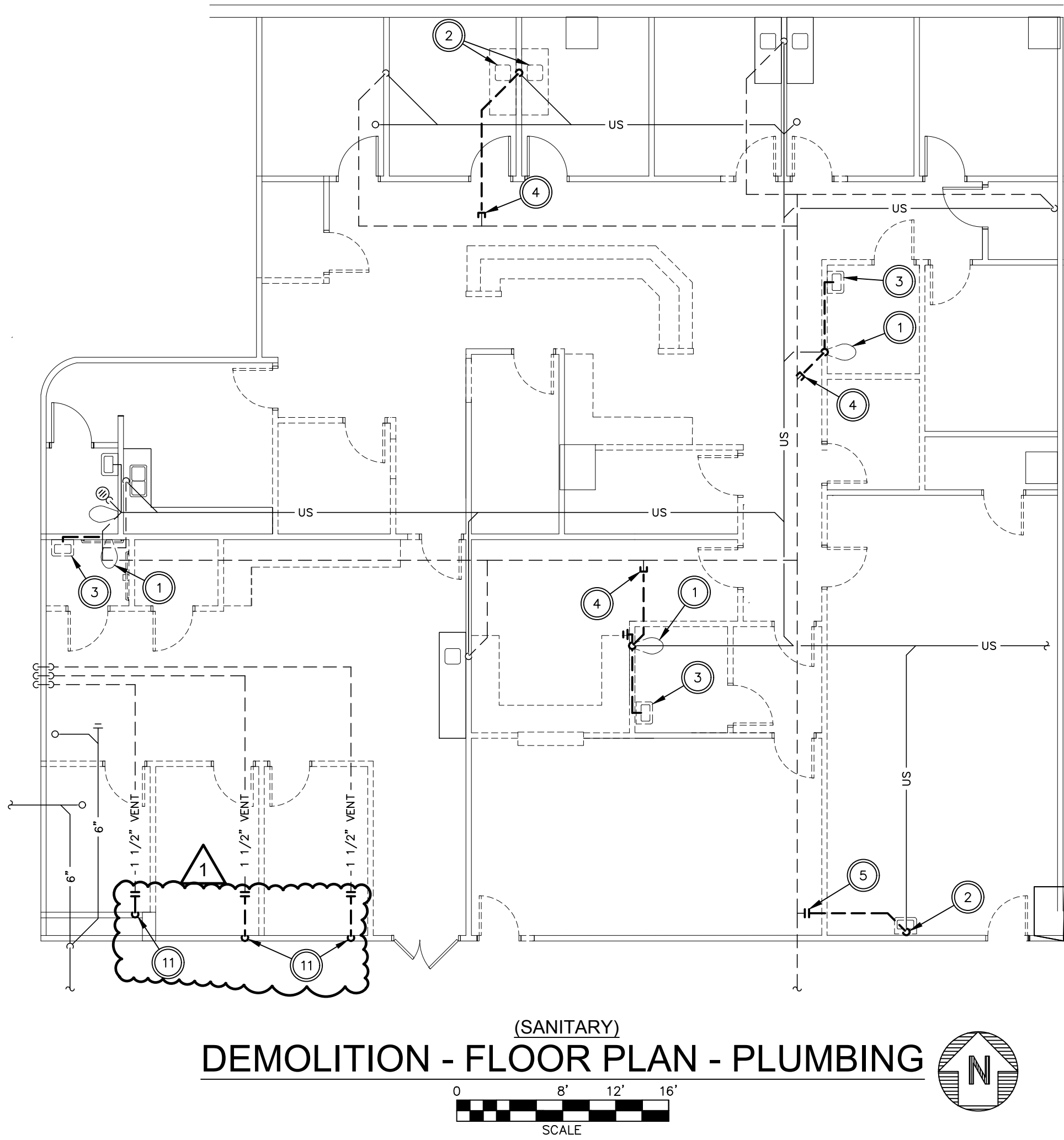
GENERAL NOTES,
SYMBOL LEGEND AND
SCHEDULES - PLBG.

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DATE
09/09/2025

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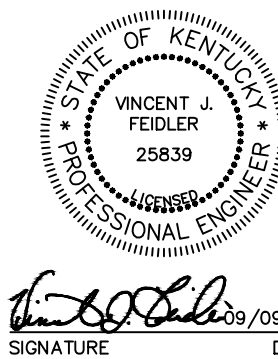


PLAN NOTES

- SEE SHEET P1.1 FOR GENERAL NOTES, SYMBOL LEGEND AND SCHEDULES.
- SEE SHEET P3.1 FOR DETAILS.
- SEE SHEET M4.X SERIES FOR SPECIFICATIONS.
- EXISTING PIPING AND EQUIPMENT SHOWN WITH LIGHT LINES.
- EXISTING PIPING AND EQUIPMENT TO BE REMOVED SHOWN WITH DARK DASHED LINES ON DEMOLITION PLANS.
- NEW WORK PIPING AND EQUIPMENT SHOWN WITH DARK LINES ON NEW WORK PLANS.

CODED NOTES

- EXISTING WATER CLOSET TO BE REMOVED. DISCONNECT AND REMOVE ASSOCIATED SAN PIPING DOWN TO BELOW SLAB AND CAP WATER TIGHT. PATCH FLOOR TO MATCH EXISTING CONDITIONS. DISCONNECT AND REMOVE ASSOCIATED VENT AS SHOWN.
- EXISTING LAV/SINK TO BE REMOVED. DISCONNECT AND REMOVE ASSOCIATED SAN PIPING DOWN TO BELOW SLAB AND CAP WATER TIGHT. PATCH FLOOR TO MATCH EXISTING CONDITIONS. DISCONNECT AND REMOVE ASSOCIATED VENT PIPING AS SHOWN.
- EXISTING LAV/SINK TO BE REMOVED. DISCONNECT AND REMOVE ASSOCIATED SAN AND VENT PIPING AS SHOWN.
- EXISTING VENT PIPING TO BE REMOVED BACK TO POINT INDICATED AND CAPPED AIR TIGHT.
- EXISTING VENT PIPING TO BE REMOVED BACK TO POINT INDICATED FOR RECONNECTION UNDER NEW WORK.
- 4" US PIPING. TIE INTO EXISTING US PIPING AT POINT INDICATED. PATCH FLOOR TO MATCH EXISTING CONDITIONS.
- 2" US PIPING. TIE INTO EXISTING US PIPING AT POINT INDICATED. PATCH FLOOR TO MATCH EXISTING CONDITIONS.
- 2" VENT PIPING. TIE INTO EXISTING VENT PIPING SERVING EXISTING TOILET ROOM.
- 1-1/2" VENT PIPING. TIE INTO EXISTING VENT PIPING AT POINT INDICATED.
- REPAIR EXISTING LEAKING STORM PIPE THIS AREA.
- 1-1/2" VENT PIPING TO BE REMOVED DOWN IN WALL AND BACK TO POINT INDICATED FOR RECONNECTION UNDER NEW WORK.
- 1-1/2" VENT PIPING, TIE INTO EXISTING 1-1/2" VENT PIPING AT POINT INDICATED. EXTEND 1-1/2" VENT PIPING DOWN IN WALL. TERMINATE 1-1/2" VENT PIPING 12 TO 18 INCHES ABOVE FLOOR WITH A 3 INCH LONG STUB.



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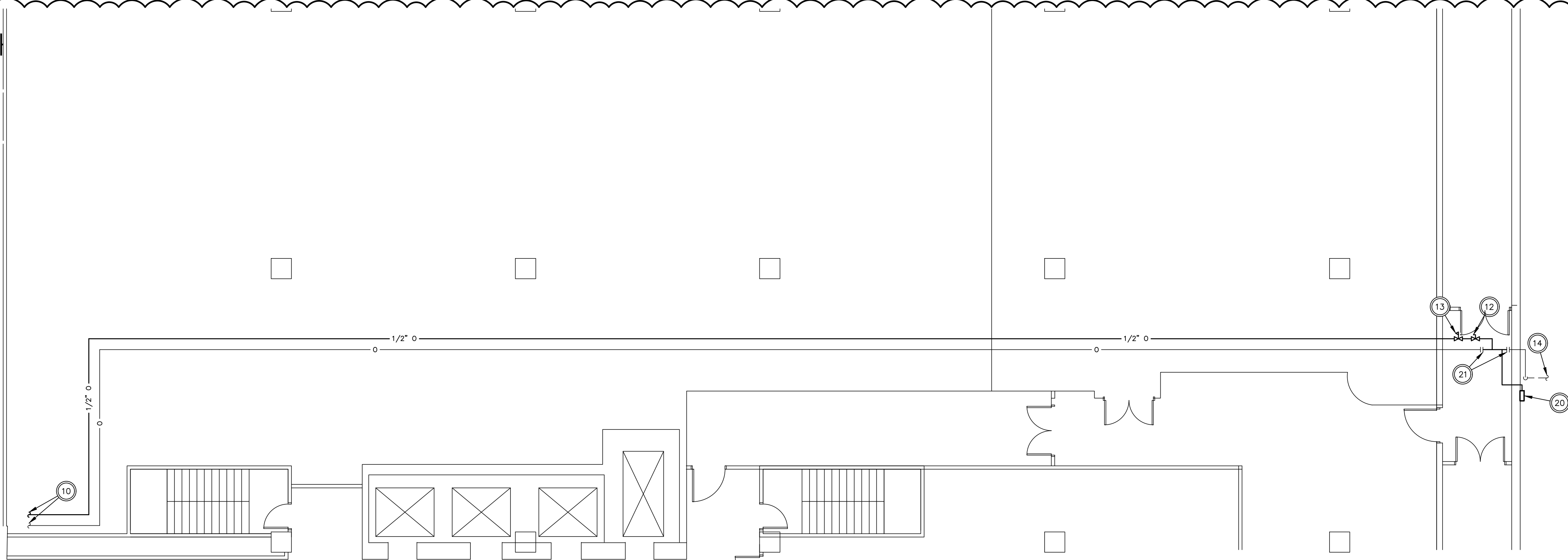
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SHEET NAME
DEMO & NEW - FLOOR
PLAN - PLBG.
(SANITARY)

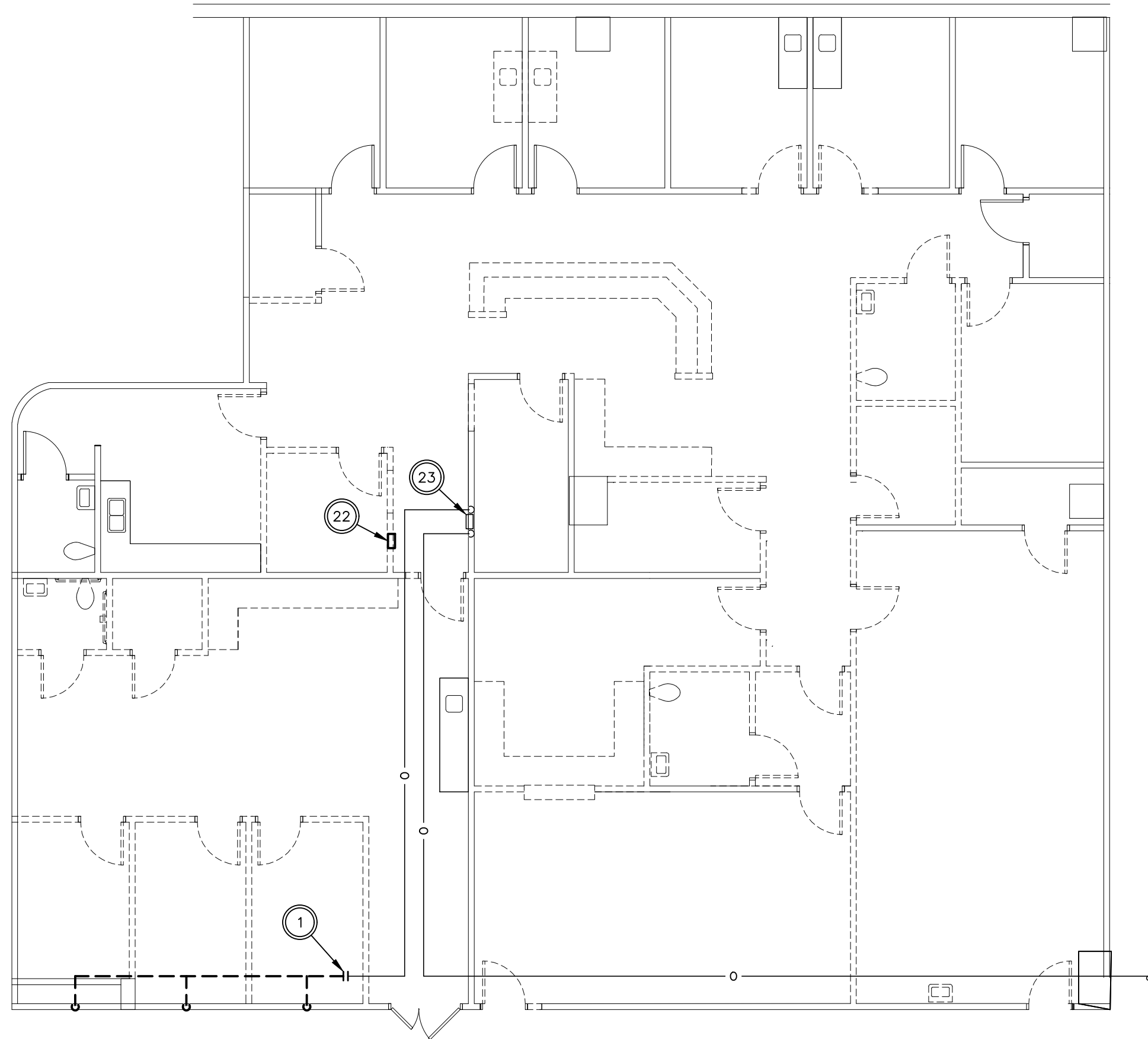
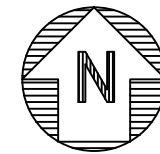
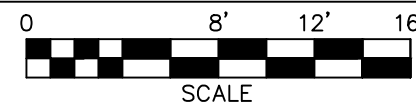
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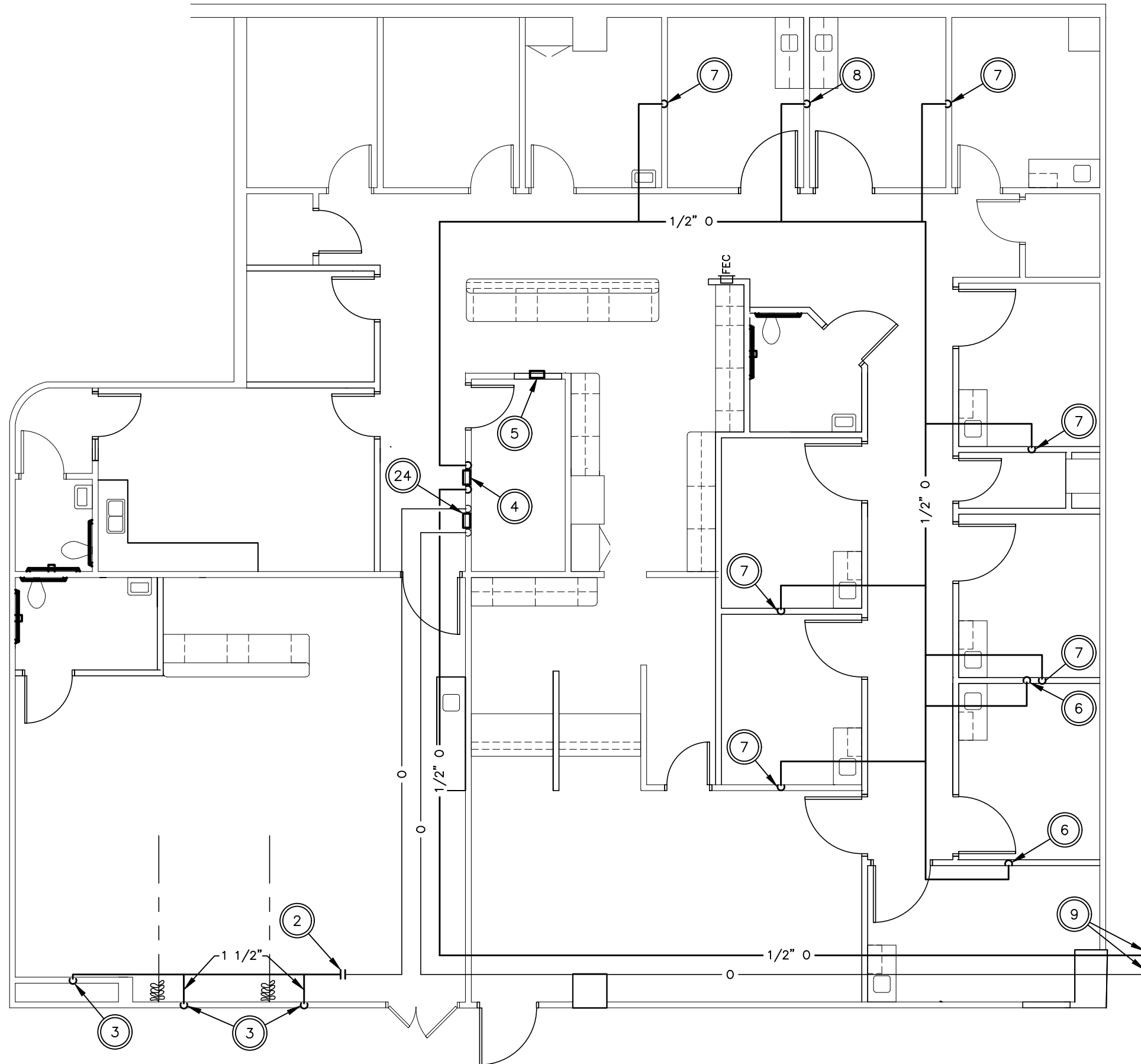
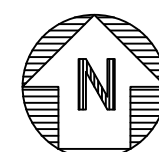
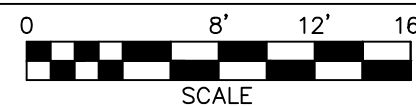
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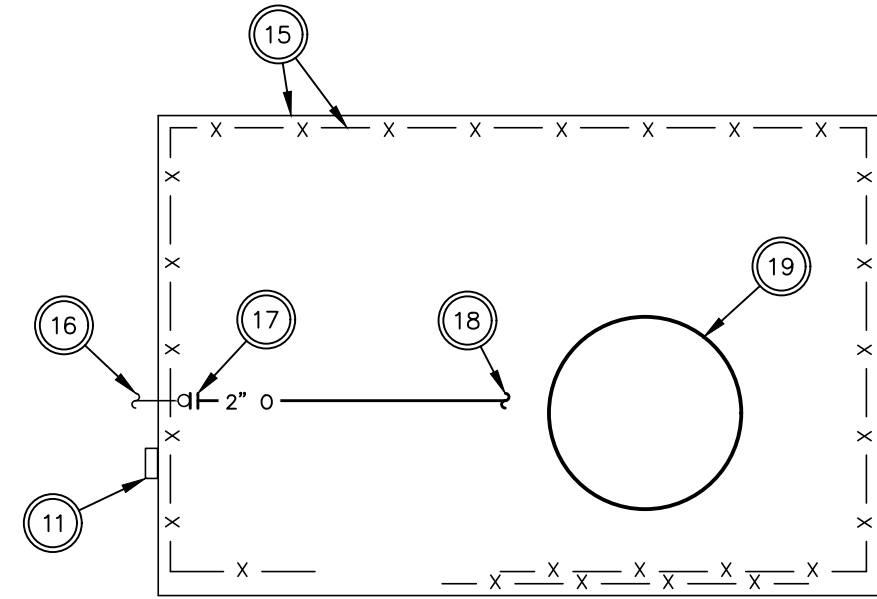
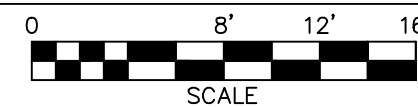
(MEDICAL GAS)
NEW WORK - EXPANDED FLOOR PLAN - PLUMBING



(MEDICAL GAS)
DEMOLITION - FLOOR PLAN - PLUMBING



(MEDICAL GAS)
NEW WORK - FLOOR PLAN - PLUMBING



(MEDICAL GAS)
NEW WORK - SITE PLAN - PLUMBING

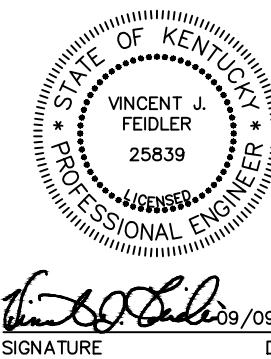
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PLAN NOTES

- SEE SHEET P1.1 FOR GENERAL NOTES, SYMBOL LEGEND AND SCHEDULES.
- SEE SHEET P3.1 FOR DETAILS.
- EXISTING PIPING AND EQUIPMENT SHOWN WITH LIGHT LINES.
- EXISTING PIPING AND EQUIPMENT TO BE REMOVED SHOWN WITH DARK DASHED LINES ON DEMOLITION PLANS.
- NEW WORK PIPING AND EQUIPMENT SHOWN WITH DARK LINES ON NEW WORK PLANS.
- EXISTING MASTER MED GAS ALARM PANEL TO BE REMOVED AND REPLACED. MAINTAIN WIRING AND CONDUIT FOR POWER AND COMMUNICATION TO BE RECONNECTED TO NEW MASTER ALARM PANEL, ME-3. SPLICE AND EXTEND POWER WIRING AS REQUIRED. WHERE COMMUNICATION WIRING IS UNABLE TO REACH NEW MASTER ALARM PANEL TERMINALS, PROVIDE SPLICE BOX TO EXTEND CABLE. COORDINATE EXACT LOCATION OF EXISTING MASTER MED GAS ALARM PANEL IN FIELD.

CODED NOTES

- EXISTING 0 PIPING TO BE REMOVED BACK TO POINT INDICATED FOR RECONNECTION UNDER NEW WORK. DISCONNECT AND REMOVE ALL ASSOCIATED 0 PIPING DOWNSTREAM OF THIS POINT.
- 2" 0 PIPING. TIE INTO EXISTING 2" 0 PIPING AT POINT INDICATED.
- TRANSITION TO 1" LINE PRIOR TO TURNING PIPING DOWN IN WALL. EXTEND 1" PIPING DOWN IN WALL TO VALVE BOX IN VERTICAL. EXTEND 1" PIPING FROM VALVE BOX AND EXTEND THROUGH WALL 1 FOOT ABOVE FLOOR AND TERMINATE WITH 1/2" FEMALE NPT.
- INSTALL 1/2" 0 PIPING DOWN IN WALL TO ZONE VALVE BOX, ME-1, WITH REMOTE SENSOR KIT. EXTEND 1/2" 0 PIPING UP IN WALL TO CEILING SPACE AND ROUTE AS SHOWN.
- INSTALL AREA ALARM PANEL, ME-2, IN HIGHLY VISIBLE LOCATION AS COORDINATED WITH STAFF IN ACCORDANCE WITH NFPA 99. COORDINATE WIRING REQUIREMENTS WITH E.C. FROM REMOTE SENSOR LOCATED IN ZONE VALVE BOX. THE PANEL IS MONITORING 0, LABEL ALARM PANEL FOR SERVICE OF SPECIFIC AREA OR ROOMS.
- 1/2" 0 PIPING DOWN IN WALL TO MED GAS OUTLET.
- 1/2" 0 PIPING DOWN IN WALL TO MED GAS OUTLET, TO BE INSTALLED UNDER ADD ALTERNATE.
- 1/2" 0 PIPING DOWN IN WALL, EXTEND 1/2" 0 PIPING TO EACH MED GAS OUTLET, TO BE INSTALLED UNDER ADD ALTERNATE.
- SEE "NEW WORK - EXPANDED FLOOR PLAN - PLUMBING" THIS SHEET FOR CONTINUATION.
- SEE "NEW WORK - FLOOR PLAN - PLUMBING" THIS SHEET FOR CONTINUATION.
- EXISTING ELECTRICAL SPLICE BOX. SPLICE AND EXTEND EXISTING CONDUIT AND WIRE TO NEW BULK OXYGEN STORAGE SYSTEM AS REQUIRED.
- LOCKABLE MED GAS SHUTOFF VALVE.
- MEDICAL GAS GRADE REGULATOR, SET FOR 55 PSI.
- EXISTING 0 LINE TO BULK OXYGEN STORAGE PAD, SEE "NEW WORK - SITE PLAN - PLUMBING" THIS SHEET FOR CONTINUATION.
- EXISTING CONCRETE PAD AND FENCED IN ENCLOSURE.
- SEE "NEW WORK - EXPANDED FLOOR PLAN - PLUMBING" THIS SHEET FOR CONTINUATION.
- 2" 0 PIPING. TIE INTO EXISTING 2" 0 PIPING IN VERTICAL.
- EXTEND AND CONNECT 2" 0 PIPING TO NEW BULK OXYGEN STORAGE SYSTEM PER MFG. RECOMMENDATIONS.
- INSTALL NEW BULK OXYGEN STORAGE SYSTEM ON EXISTING CONCRETE PAD. COORDINATE WITH PATRICK DOVE WITH AMERICAN WELDING AND GAS, INC. (859-252-7667 EXT. 2280).
- INSTALL EMERGENCY OXYGEN CONNECTION, ME-4, ON EXISTING BUILDING EXTERIOR. SEE "EMERGENCY OXYGEN SUPPLY CONNECTION". EMERGENCY OXYGEN CONNECTION TO HAVE TERMINAL BLOCK FOR (4) SETS OF ALARM CONTACTS, WIRE FROM EMERGENCY OXYGEN CONNECTION TERMINAL CONTACTS TO NEW MASTER ALARM PANEL.
- TIE NEW 0 LINE FROM EMERGENCY OXYGEN CONNECTION TO EXISTING 0 PIPING AT POINTS INDICATED.
- EXISTING MED GAS ALARM PANEL TO BE REMOVED.
- EXISTING ZONE VALVE BOX TO BE REMOVED AND REPLACED. DISCONNECT EXISTING 0 PIPING AS REQUIRED FOR RECONNECTION TO NEW ZONE VALVE BOX.
- NEW ZONE VALVE BOX, ME-1, RECONNECT EXISTING 0 PIPING AS REQUIRED. WIRE FROM REMOTE SENSOR KIT TO NEW AREA ALARM PANEL.



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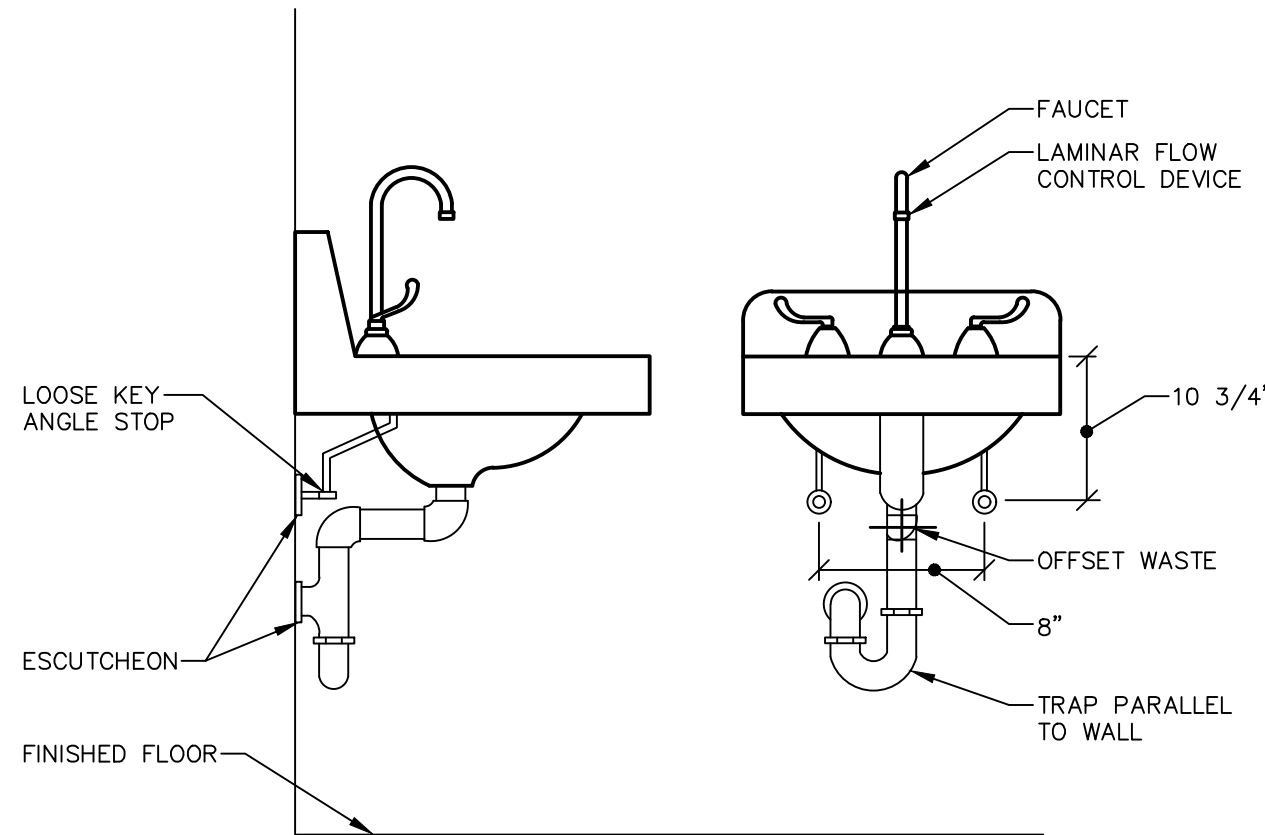
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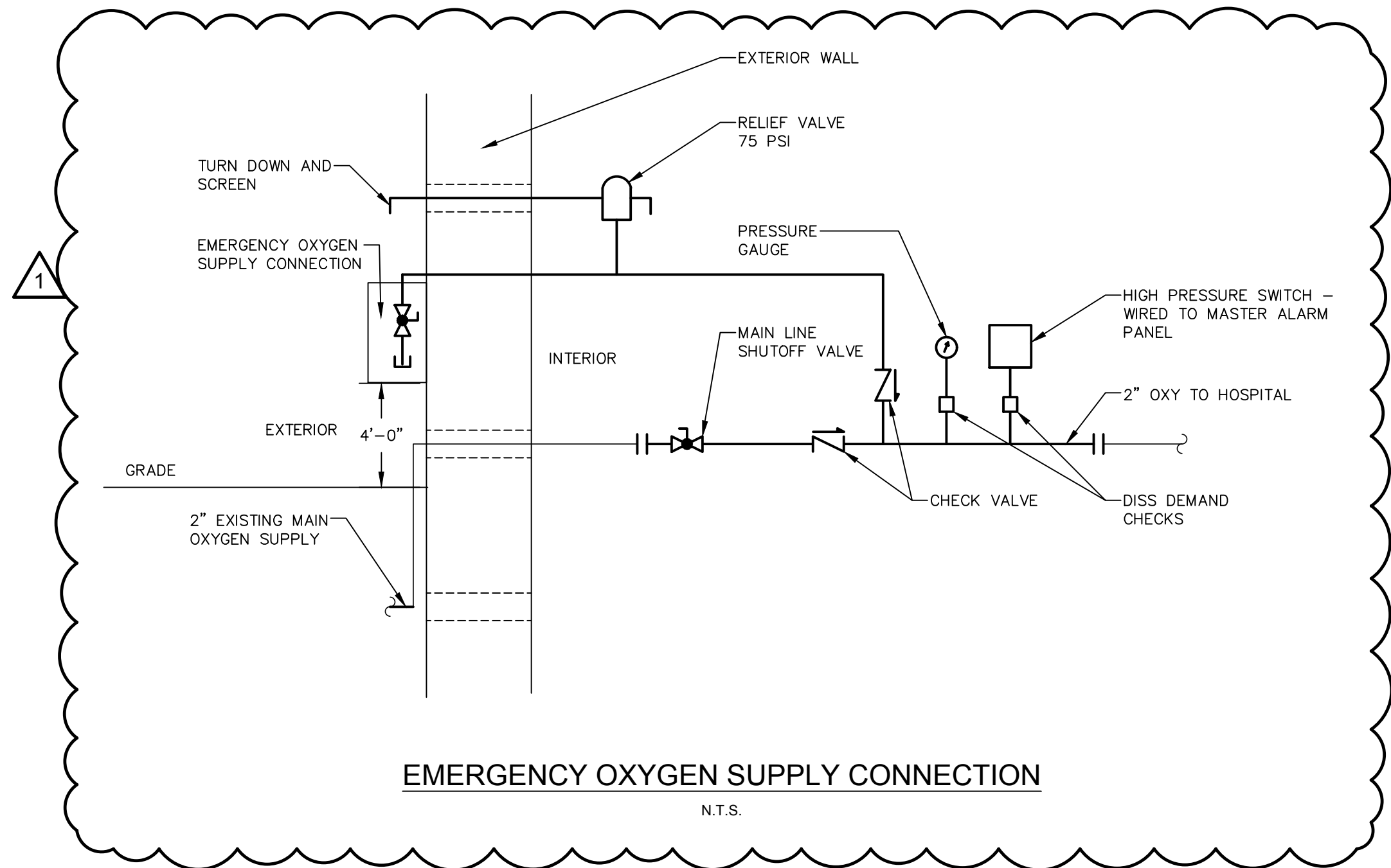
SHEET NAME
DEMO & NEW - FLOOR
PLAN - PLBG.
(MEDICAL GAS)

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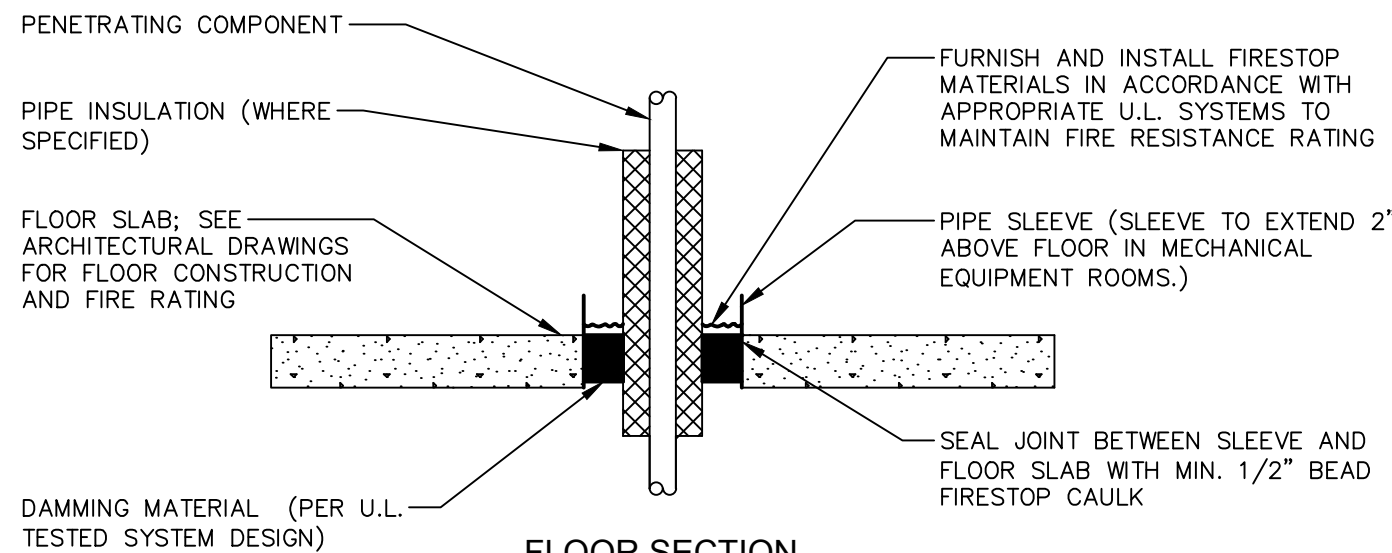
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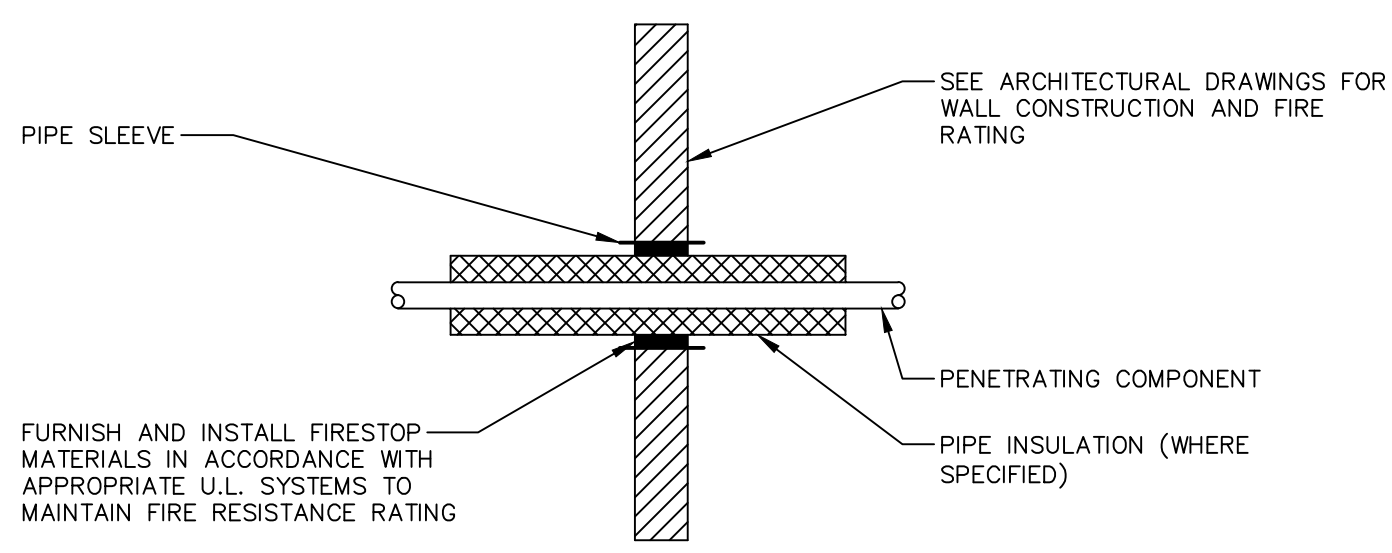
TYPICAL WHEELCHAIR LAVATORY DETAIL
N.T.S.



EMERGENCY OXYGEN SUPPLY CONNECTION
N.T.S.



FLOOR SECTION



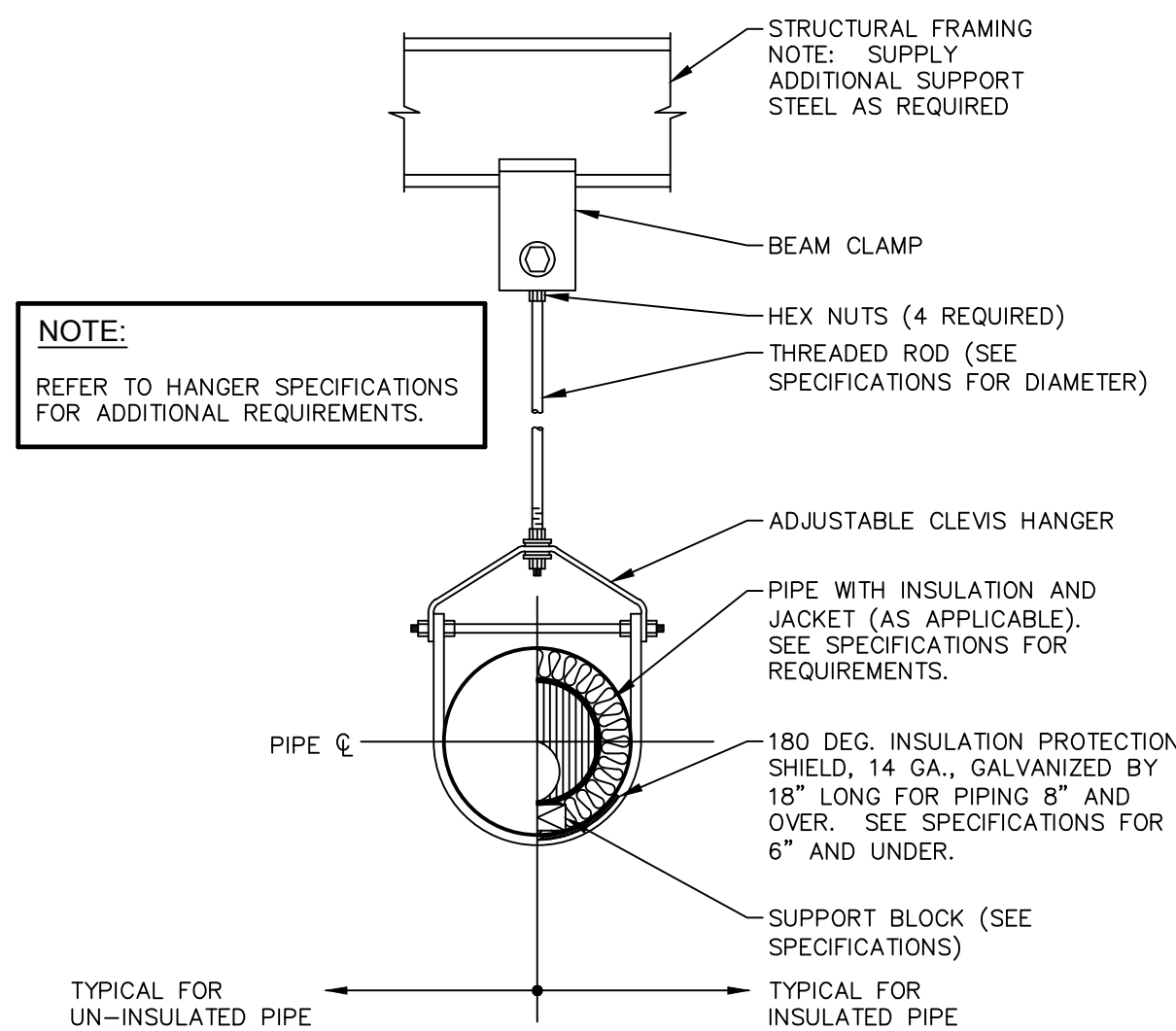
WALL SECTION

NOTES:

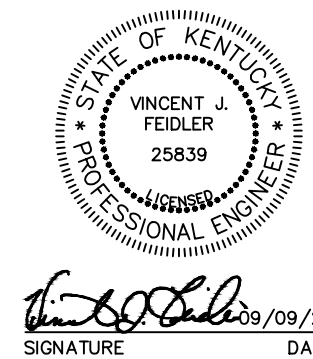
- WHERE PIPES, DUCTS AND OTHER COMPONENTS PASS THROUGH FIRE OR SMOKE RATED WALLS OR FLOORS, PROVIDE NON-ASBESTOS SEAL ASSEMBLIES CLASSIFIED BY U.L. TO PROVIDE FIRE BARRIERS EQUAL TO OR GREATER THAN THE TIME RATING OF THE CONSTRUCTION BEING PENETRATED, WITH APPROPRIATE MATERIALS AND SYSTEMS THAT COMPLY WITH APPLICABLE CODES AND THAT HAVE BEEN TESTED IN ACCORDANCE WITH U.L. 1479 OR ASTM E814.
- GROUT, MORTAR OR GYPSUM BASED PRODUCTS SHALL NOT BE INSTALLED IN LIEU OF FIRESTOPPING MATERIALS AND U.L. SYSTEMS.
- FOR SLEEVED PENETRATIONS, FIRESTOP ANNULAR SPACE, IF ANY, BETWEEN SLEEVE AND ADJACENT CONSTRUCTION TO MEET U.L. SYSTEM REQUIREMENTS. SEE NOTE 2 ABOVE.
- THIS CONTRACTOR SHALL FIRESTOP ALL MISCELLANEOUS OPENINGS IN FIRE-RATED CONSTRUCTION RESULTING FROM HIS WORK.
- CONTRACTOR SHALL PROVIDE SUBMITTAL DRAWINGS TO ARCHITECT, INCLUDING U.L. RATED SYSTEM NUMBER AND DETAIL FOR EACH TYPE OF PENETRATION AND CONFIGURATION.
- THE FIRESTOPPING SYSTEMS ARE TO BE INSTALLED BY EXPERIENCED, MANUFACTURER TRAINED, AND UL CERTIFIED OR FM CERTIFIED PERSONNEL.
- ALL FIRESTOPPING MATERIAL IS TO BE PROVIDED FROM A SINGLE MANUFACTURER FOR ALL APPLICATIONS.
- CONTRACTOR SHALL CONSULT MANUFACTURER'S TECHNICAL EXPERTS FOR ASSISTANCE IN SELECTING APPROPRIATE FIRESTOPPING SYSTEM FOR EACH APPLICATION.

FIRESTOPPING DETAIL FOR PENETRATIONS
THROUGH FIRE-RATED CONSTRUCTIONS

N.T.S.



CLEVIS HANGER PIPE SUPPORT
N.T.S.



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DRAWING
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