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LEGIONELLA PLUMBING PROJECT
BUILDING 1

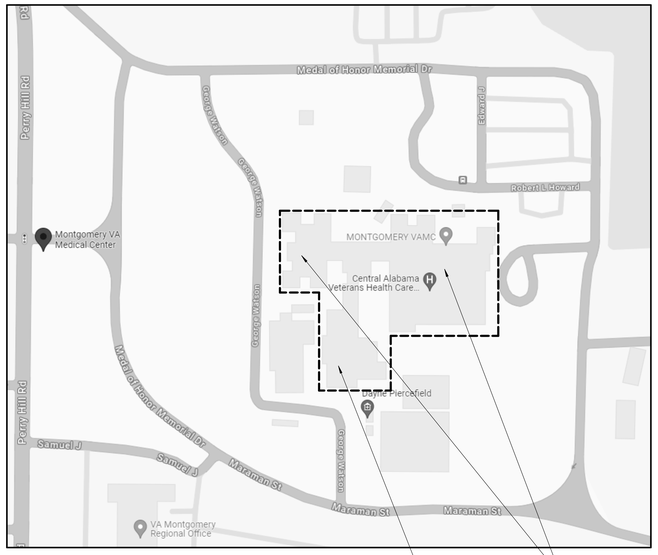
CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

VA PROJECT #: 619-23-105

PROJECT SITE MAP

CENTRAL ALABAMA VETERANS HEALTH CARE SYSTEM WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

PROJECT LOCATION MAP



PROJECT IMAGE

PROJECT IMAGE

PROJECT IMAGE

DRAWING LIST

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FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

#	Revisions:	Date

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7/17/2025

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: COVER

Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Approved:

Date: JULY 16, 2025 | Checked: JAB | Drawn: BN

Drawing Number: G-001

Dwg 1 of 4

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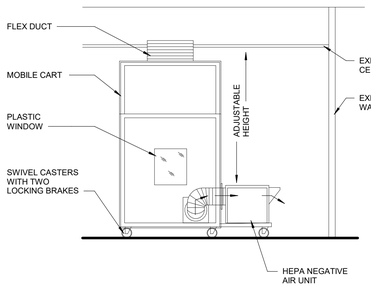
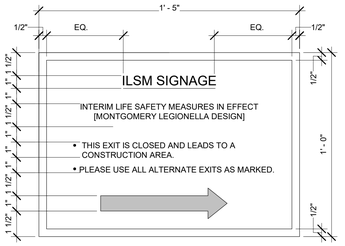
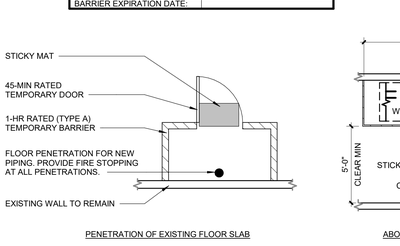


4 ICRA MOBILE CONTAINMENT CART
SCALE: NO SCALE

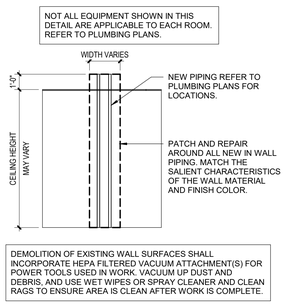


5 ILSM CONSTRUCTION EGRESS SIGNAGE
SCALE: NO SCALE

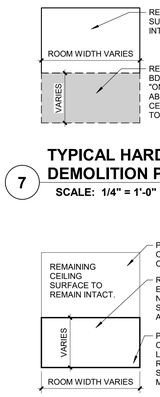
ILSM TEMPORARY BARRIER TAG	
PROJECT:	
PRIME CONTRACTOR:	
SUB CONTRACTOR:	
EMERGENCY CONTACT NO.:	
BARRIER INSTALLATION DATE:	
BARRIER EXPIRATION DATE:	



6 TYPICAL ICRA CONDITIONS
SCALE: 1/4" = 1'-0"

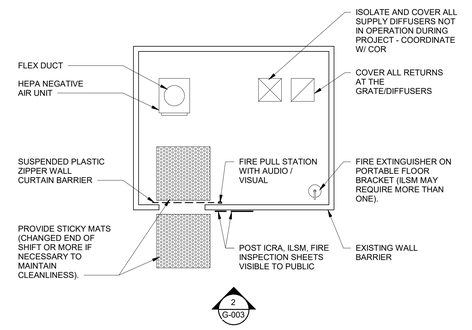


9 TYPICAL INTERIOR WALL ELEVATION FOR NEW PIPING
SCALE: 1/4" = 1'-0"



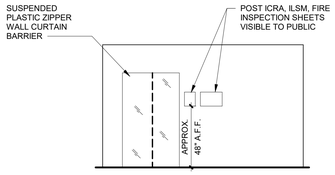
7 TYPICAL HARD CEILING DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

8 TYPICAL HARD CEILING REPLACEMENT DETAIL
SCALE: 1/4" = 1'-0"



NOTE:
A. TURN UP EXHAUST ON EXTERIOR ON SIDE. CONTRACTOR SHALL VERIFY LOCATION OF AIR INTAKES ARE AT THE PROPER DISTANCE FROM EXHAUST. VERIFY LOCAL JURISDICTION CODE AND VA REQUIREMENTS FOR DISTANCE PRIOR TO STARTING WORK.

2 TYPICAL CONSTRUCTION PLAN LAYOUT
SCALE: NO SCALE



3 ICRA ROOM ELEVATION
SCALE: NO SCALE

ICRA NOTES

DUST CONTROL PLAN NOTES

1. AT THE BEGINNING OF CONSTRUCTION, THE VAMC INFECTION CONTROL GROUP SHALL CONFIRM THE DESIGNATION FOR THIS PROJECT FOR THE CLASS OF PRECAUTIONS AND LEVEL OF INFECTION CONTROL ACTIVITIES. THE ICRA CHART HAS BEEN COMPLETED BASED ON THE DESIGN PARAMETERS AND CONVERSATIONS WITH THE VA COR AND/OR VAMC INFECTION CONTROL GROUP. HARD SURFACE BARRIERS SHALL BE USED EXCEPT IN THE AREA INDICATED ON THE PHASING PLAN WITH PLASTIC BARRIERS (MINIMUM 4MIL) TO SEAL AREA FROM NON-WORK AREA AS LONG AS THE SPRINKLER SYSTEM IS INTACT AND ACTIVE.
2. THIS PROJECT NEEDS AN ENTRY VESTIBULE FOR CLOTHING CHANGES (PROVIDE AND LOCATE A STAGING AREA FOR HAZMAT SUITS NEAR THE PLASTIC BARRIER ENTRANCE SPACES - CONSTRUCTION ANTEROOM. THEY SHALL BE USED WHEN GOING INTO CONSTRUCTION AREA AND LEAVING THE CONSTRUCTION AREA) AND TOOL STORAGE AND TIGHT SEALS SHALL BE MAINTAINED AT THE FULL PERIMETER OF WALLS AND WALL PENETRATIONS. ANY DUST SHALL BE IMMEDIATELY CLEANED IF TRACKED OUTSIDE OF THE CONSTRUCTION BARRIER. UPON COMPLETION OF THE CONSTRUCTION PHASE, DUST BARRIERS SHALL BE REMOVED CAREFULLY TO MINIMIZE SPREADING OF DUST AND THE CONTRACTOR SHALL HAVE TEMPORARY DUST PROTECTION IN PLACE BEFORE REMOVAL OF A PERMANENT BARRIER. [AFTER EACH PHASE, PERFORM TASKS STATED IN CONTAMINATION OF PATIENT ROOMS, SUPPLIES, EQUIPMENT AND RELATED AREAS NOTE 2.
3. PROVIDE STICKY MATS AT THE PLASTIC BARRIER ENTRANCE SPACES (CONSTRUCTION ANTEROOM) AND CHANGE DAILY OR MORE OFTEN AS NEEDED TO PREVENT THE SPREAD OF DUST AND DEBRIS INTO ADJACENT CLEAN SPACE.
4. GC TO ALLOW FOR A MINIMUM OF 5'-0" WIDE HALLWAY IN ALL CASES WHERE AN ICRA BARRIER IS BEING PLACED IN A PUBLIC CORRIDOR. IF AN ICRA BARRIER IS REQUIRED TO TEMPORARILY BLOCK A PATH OF EGRESS, THE TIMING OF THIS WORK WILL NEED TO BE COORDINATED WITH THE VA COR.
5. GENERAL CONTRACTOR IS REQUIRED TO REPLACE CEILING TILES AT THE END OF EACH SHIFT FOR WORK AREAS OUTSIDE OF A RATED CONSTRUCTION BARRIER. IF THE TILES CANNOT BE REPLACED, THE SPRINKLER SYSTEM MAY BE CONSIDERED OUT OF SERVICE IN THESE AREAS AND 1-HOUR FIRE RATED SEPARATION WILL BE REQUIRED BETWEEN THE CONSTRUCTION AREA AND THE OCCUPIED PORTIONS OF THE BUILDING.

INTERNAL DEMOLITION AND CONSTRUCTION ACTIVITIES DUST AND DEBRIS CONTROL

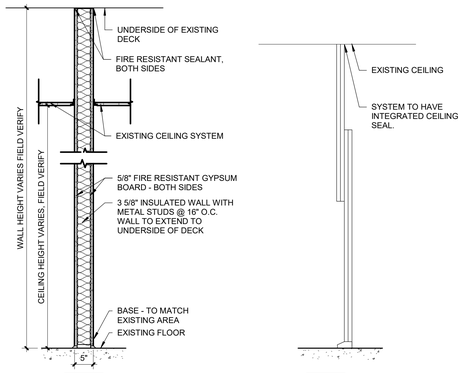
1. USE CORRIDORS AS PRIMARY CONSTRUCTION ACCESS.
2. TRAFFIC CONTROL: DESIGNATED ENTRY AND EXIT PROCEDURES SHALL BE DEFINED. EGRESS PATHS SHALL BE FREE OF DEBRIS; DESIGNATED ELEVATORS SHALL BE USED DURING SCHEDULED TIMES; AND ONLY AUTHORIZED PERSONNEL SHALL BE ALLOWED TO ENTER THE CONSTRUCTION ZONE. SIGNAGE SHALL DIRECT PEDESTRIAN TRAFFIC AWAY FROM THE CONSTRUCTION AREA AND MATERIALS.
3. CONTRACTOR SHALL USE TWO CARTS TO TRANSFER CONSTRUCTION MATERIAL IN AND OUT OF THE PROJECT - A CLEAN CART SHALL BE USED; THE NOT-SO-CLEAN CART SHALL BE USED BETWEEN THE MAIN ENTRY AND THE CONSTRUCTION STAGING/PREP AREA.
4. DEMOLITION DEBRIS: DEBRIS SHALL BE REMOVED IN CARTS WITH TIGHTLY FITTED COVERS, USING DESIGNATED TRAFFIC ROUTES. EFFORTS SHALL BE MADE TO MINIMIZE USE OF ELEVATORS WITH AN EMPHASIS ON TRANSPORT DURING THE LOWEST PERIOD OF ACTIVITY. DEBRIS SHALL BE REMOVED DAILY AND AT TIMES SPECIFIED BY THE VAMC. IF CHUTES ARE USED TO DIRECT DEBRIS OUTSIDE, HIGH EFFICIENCY PARTICULATE AIR (HEPA) FILTERED NEGATIVE AIR MACHINES SHALL BE USED, AND THE CHUTE OPENING SHALL BE SEALED WHEN NOT IN USE. FILTERS SHALL BE BAGGED AND SEALED BEFORE BEING TRANSPORTED OUT OF THE CONSTRUCTION AREA. THE CONTRACTOR SHALL NOT HAUL DEBRIS THROUGH PATIENT-CARE AREAS WITHOUT PRIOR APPROVAL OF THE COR.
5. EXTERIOR WINDOWS: WINDOWS SHALL BE SEALED TO MINIMIZE INFILTRATION FROM ANY ADJACENT EXCAVATION DEBRIS.
6. ALL FURNISHINGS AND EQUIPMENT TO REMAIN IN THE IMPACTED ROOMS SHALL BE COVERED AND PROTECTED PRIOR TO STARTING EACH CONSTRUCTION PHASE.

VENTILATION AND ENVIRONMENTAL CONTROLS

1. AIR SYSTEM FLOW: THE COR VERIFY AND ACKNOWLEDGE CONTRACTOR WHETHER THE CONSTRUCTION AREA USES FRESH/OUTSIDE OR RE-CIRCULATED AIR; FILTERS SHALL BE ADDED OR RETURN VENTS COVERED AS NEEDED WITH FILTER MATERIAL OR PLASTIC. AIR MUST FLOW FROM CLEAN TO DIRTY AREAS.
2. NEGATIVE AIR PRESSURE: THE AIR WITHIN THE CONSTRUCTION AREA SHALL BE NEGATIVE WITH RESPECT TO SURROUNDING AREAS AND WITH NO DISRUPTION OF AIR SYSTEMS OR ADJACENT AREAS. USE OF THE NEGATIVE AIR PRESSURE SYSTEM WITHIN THE ENCLOSURE TO REMOVE DUST SHALL PASS AIR THROUGH AN INDUSTRIAL GRADE, PORTABLE HEPA FILTER CAPABLE OF FILTRATION RATES OF 300-800 CUBIC FEET PER MINUTE (FT3/MIN), OR EXHAUST AIR DIRECTLY TO THE OUTSIDE IF APPROVED BY VAMC. IF EXHAUST SHALL BE TIED INTO A RE-CIRCULATED AIR SYSTEM, A PRE-FILTER AND HEPA FILTER SHALL BE USED BEFORE EXHAUST TO PREVENT CONTAMINATION OF THE DUCTS.
3. FOR EXHAUST DUCT ROUTING THRU CORRIDOR: INSTALL HARD DUCT WITH NON-FLANGE HANGER HUNG FROM CEILING ABOVE, BOTTOM OF DUCT SHALL BE A MINIMUM OF 7'-2" A.F.F.
4. ADJACENT AREAS: THE STATUS OF SEALED PENETRATIONS AND INTACT CEILING SHALL BE VERIFIED DAILY.
5. AIR EXCHANGE RATES AND PRESSURE RELATIONSHIPS: VAMC AND CONTRACTOR SHALL VERIFY AND MAINTAIN PROPER RATES IN CRITICAL AREAS NEAR CONSTRUCTION ACTIVITY AND ENSURE AIR IS NOT BEING RE-CIRCULATED WITHOUT FILTRATION FROM THE CONSTRUCTION AREA ELSEWHERE. PROVIDE AIR PRESSURE TESTING THROUGHOUT THE PROJECT IN THE FREQUENCY AS IDENTIFIED BY THE COR.

CONTAMINATION OF PATIENT ROOMS, SUPPLIES, EQUIPMENT AND RELATED AREAS

1. WORKSITE CLOTHING: CONTRACTOR PERSONNEL CLOTHING SHALL BE FREE OF LOOSE SOIL AND DEBRIS BEFORE LEAVING THE CONSTRUCTION AREA. IF PROTECTIVE APPAREL IS NOT WORN (E.G., COVERALLS, FOOTGEAR AND HEADGEAR) A HEPA-FILTERED VACUUM SHALL BE USED TO REMOVE DUST FROM CLOTHING BEFORE LEAVING THE BARRICADE. IF PROTECTIVE APPAREL IS UTILIZED, THE CONTRACTOR SHALL CONSTRUCT A SPACE OR ANTEROOM FOR CHANGING CLOTHING AND STORING EQUIPMENT (DESIGNATED AREA. ALL EQUIPMENT, TOOLS, TOOL CARTS, AND MATERIALS TRANSPORTED THROUGH OCCUPIED AREAS SHALL BE MADE FREE FROM DUST AND MOISTURE BY VACUUMING AND WET WIPING BEFORE THEIR REMOVAL FROM THE CONSTRUCTION ZONE OR WORK AREA.
2. POST CONSTRUCTION: DO NOT REMOVE BARRIERS AND KEEP ALL HVAC ISOLATION UNTIL CONTRACTOR HAS CLEANED CONSTRUCTION SITE, VA EMS STAFF HAS DONE A TERMINAL CLEANING, AND VA INFECTIOUS DISEASE CONTROL HAS INSPECTED AND APPROVED THE CLEANING.



A — 1-HR RATED AND SMOKE RATED U.L. DESIGN NO. U419

B — TEMPORARY PREFABRICATED ICRA WALL SYSTEM. BASIS OF DESIGN: STARC WALL SYSTEM OR EDGEGUARD SYSTEM OR EQUAL.

1 ICRA BARRIER WALL TYPE
SCALE: NO SCALE

INFECTION CONTROL RISK MITIGATION RECOMMENDATIONS MATRIX OF PRECAUTIONS FOR CONSTRUCTION AND RENOVATION

Type of Construction / Project Activity Table

TYPE A	**Inspection and Non-Invasive Activities** Includes, but is not limited to: • Removal of ceiling tile for visual inspection-limited to 1 tile per 50 square feet with limited exposure time. • Limited building system maintenance (e.g., pneumatic tube station, HVAC system, fire suppression system, electrical and carpentry work to include painting without sanding) that does not create dust or debris. • Clean plumbing activity limited in nature.
TYPE B	**Small scale, short duration activities which create minimal dust** Includes, but is not limited to: • Work conducted above the ceiling (e.g., prolonged inspection or repair of firewalls and barriers, installation of conduit and/or cabling, and access to mechanical and/or electrical chase spaces). • Fan shutdown/startup. • Installation of electrical devices or new flooring that produces minimal dust and debris. • The removal of drywall where minimal dust and debris is created. • Controlled sanding activities (e.g., wet or dry sanding) that produce minimal dust and debris.
TYPE C	**Work that generates a moderate to high level of dust or requires demolition or removal of any fixed building components or assemblies** Includes, but is not limited to: • Removal of preexisting floor covering, walls, casework or other building components. • New drywall placement. • Renovation work in a single room. • Nonexisting cable pathway or invasive electrical work above ceilings. • The removal of drywall where a moderate amount of dust and debris is created. • Dry sanding where a moderate amount of dust and debris is created. • Work creating significant vibration and/or noise. • Any activity that cannot be completed in a single work shift.
TYPE D	**Major demolition and construction projects** Includes, but is not limited to: • Removal or replacement of building system component(s). • Removal/installation of drywall partitions. • Invasive large-scale new building construction. • Renovation work in two or more rooms.

Patient Risk Group Table

Group 1 Low Risk	Group 2 Medium Risk	Group 3 High Risk	Group 4 Highest Risk	
• Office areas (non-clinical) • FES/EMS areas	• Physical Therapy • Radiology departments • All patient waiting rooms • All outpatient clinics • Research Areas • Respiratory Therapy	• Emergency Room • Clinical Laboratories (specimen) • Same Day Surgery • Pharmacy • Nutrition and Food Service/Canteen • Procedural Areas (GI) • Inpatient Mental Health	• Any area caring for immunocompromised patients • Cardiac Cath Lab/IR • Central Sterile Supply • Sterile Processing Service • Intensive Care Units	• Medical/Surgical Units • Negative pressure isolation rooms • Outpatient Chemotherapy Areas • Operating rooms • Post Anesthesia Care Unit • Dialysis • Dental

Infection Control Matrix - Class of Precautions: Construction Project by Patient Risk

Patient Risk Group	Construction Project Type TYPE A	TYPE B	TYPE C	TYPE D
LOW Risk Group 1	I	II	II	III
MEDIUM Risk Group 2	I	II	III	IV
HIGH Risk Group 3	I	III	IV	IV
HIGHEST Risk Group 4	III	IV	IV	IV

Note: Infection Control approval will be required when the Construction Activity and Risk Level indicate that Class III or Class IV control procedures are necessary.

CONSTRUCTION ACTIVITIES SHALL BE CLASSIFIED AS FOLLOWS UNLESS NOTED OTHERWISE:
1. INSTALLATION OF CABLE TRAY IN CORRIDOR CEILINGS SHALL BE CONSIDERED CONSTRUCTION ACTIVITY TYPE B.
2. ALL CONDUIT SPECIFIED TO BE INSTALLED IN WALL SHALL BE CONSIDERED CONSTRUCTION ACTIVITY TYPE C.
3. CONSTRUCTION OF NEW ROOMS SHALL BE CONSIDERED CONSTRUCTION ACTIVITY TYPE D.
4. INSTALLATION OF NEW DOORS TO OR FROM EXISTING SPACES SHALL BE CONSIDERED CONSTRUCTION ACTIVITY TYPE C.

It is the Contractor's Responsibility to provide the following Infection Control Precautions depending upon the Area Class Designation

	During Construction Project	Upon Completion of Project
CLASS I	1. Execute work by methods to minimize raising dust from construction operations. 2. Perform noninvasive work activity as to not block or interrupt patient care. 3. Perform noninvasive work activities in areas that are not directly occupied with patients. 4. Perform noninvasive work activity in a manner that does not create dust. 5. Immediately replace any displaced ceiling tile before leaving the area and/or at end of noninvasive work activity.	Cleaning: 1. Clean work areas including all environmental surfaces, high horizontal surfaces and flooring materials. 2. Check all supply and return air registers for dust accumulation on upper surfaces as well as air diffuser surfaces. HVAC Systems: 1. Remove isolation of HVAC system in areas where work is being performed. Verify that HVAC systems are clean and operational. 2. Verify the HVAC systems meet original airflow and air exchange design specifications.
CLASS II	1. Includes all activities required by Class I 2. Perform only limited dust work and/or activities designed for basic facilities and engineering work. 3. Perform limited dust and invasive work following standing precautions procedures approved by the organization. 4. This Class of Precautions must never be used for construction or renovation activities. 5. Provide active means to prevent airborne dust from dispersing into atmosphere. 6. Water mist work surfaces to control dust while cutting. 7. Seal unused doors with duct tape. 8. Block off and seal air vents. 9. Replace adhesive walk-off mats at entrance and exit of work area. Replace used mats in accordance with manufacturer's recommendations. 10. Remove or isolate HVAC system in area where work is being done to prevent contamination of duct system.	Cleaning: 1. Clean work areas including all environmental surfaces, high horizontal surfaces and flooring materials. 2. Check all supply and return air registers for dust accumulation on upper surfaces as well as air diffuser surfaces. HVAC Systems: 1. Remove isolation of HVAC system in areas where work is being performed. Verify that HVAC systems are clean and operational. 2. Verify the HVAC systems meet original airflow and air exchange design specifications.

INFECTION CONTROL RISK MITIGATION RECOMMENDATIONS MATRIX OF PRECAUTIONS FOR CONSTRUCTION AND RENOVATION

It is the Contractor's Responsibility to provide the following Infection Control Precautions depending upon the Area Class Designation

	During Construction Project	Upon Completion of Project
CLASS III	1. Includes all activities required by Class II 2. Obtain Infection Control Permit from Hospital Safety Officer or Facilities Management Maintenance and Engineering department before construction begins. 3. Provide active means to prevent airborne dust dispersion into the occupied areas. 4. Means for controlling minimal dust dispersion may include hand-held HEPA vacuum devices, polyethylene plastic containment, or isolation of work area by closing room door. 5. Remove or isolate return air diffusers to avoid dust from entering the HVAC system. 6. Remove or isolate the supply air diffusers to avoid positive pressurization of the space. 7. If work area is contained, then it must be neutrally to negatively pressurized at all times. 8. Seal all doors with tape that will not leave residue. 9. Contain all trash and debris in the work area. 10. Nonporous/asmooth and cleanable containers (with a hard lid) must be used to transport trash and debris from the construction areas. These containers must be damp-wiped cleaned and free of visible dust/debris before leaving the contained work area. 11. Install a sticky (dust collection) mat at entrance of contained work area based on facility policy. Sticky mats must be changed routinely and when visibly soiled. 12. Maintain clean surroundings when area is not contained by damp mopping or HEPA vacuuming surfaces. 13. Clean construction area at the end of each shift by damp mopping or HEPA Vacuum.	For Type C activities, follow procedures for Class IV. Cleaning: 1. Clean work areas including all environmental surfaces, high horizontal surfaces and flooring materials. 2. Check all supply and return air registers for dust accumulation on upper surfaces as well as air diffuser surfaces. HVAC Systems: 1. Remove isolation of HVAC system in areas where work is being performed. Verify that HVAC systems are clean and operational. 2. Verify the HVAC systems meet original airflow and air exchange design specifications.
CLASS IV	1. Includes all activities required by Class III 2. Obtain Infection Control Permit from Hospital Safety Officer or Facilities Management Maintenance and Engineering department before construction begins. 3. Construct and complete critical barriers meeting NFPA 241 requirements. Barriers must extend to the ceiling or if ceiling tile is removed, to the deck above. 4. All (plastic or hard) barrier construction activities must be completed in a manner that prevents dust release. Plastic barriers must be effectively affixed to ground and ceiling and secure from movement or damage. Apply tape that will not leave a residue to seal gaps between barriers, ceiling or floor. 5. Seal all penetrations in containment barriers, including floors and ceiling, using approved materials (UL schedule firestop if applicable for barrier type). 6. Construct anteroom large enough for equipment staging, cart clearing, workers. The anteroom must be constructed adjacent to entrance of construction work area. 7. Personnel will be required to wear coveralls at all times during Class V work activities. Coveralls must be removed before leaving the anteroom. 8. Remove or isolate return air diffusers to avoid dust entering the HVAC system. 9. Remove or isolate the supply air diffusers to avoid positive pressurization of the space. 10. Negative airflow pattern must be maintained from the entry point to the anteroom and into the construction area. The airflow must cascade from outside to inside the construction area. The entire construction area must remain negatively pressurized. 11. Maintain negative pressurization of the entire workspace using HEPA exhaust air systems directed outdoors. Exhaust discharged directly to the outdoors that is 25 feet or greater from entrances, air intakes and windows does not require HEPA-filtered air. 12. If exhaust is directed indoors, then the system must be HEPA filtered. Prior to start of work, HEPA filtration must be verified by particulate measurement as no less than 99.97% efficiency and must not alter or change airflow/pressure relationships in other areas. 13. Exhaust into shared or recirculating HVAC systems, or other shared exhaust systems (bathroom exhaust) is not acceptable. 14. Install device (e.g., magnehelic, manometer, or digital monitoring) on exterior of work containment to continually monitor negative pressurization. The "ball in the wall" or similar apparatus are not acceptable. 15. Contain all trash and debris in the work area. 16. Nonporous/smooth and cleanable containers (with a hard lid) must be used to transport trash and debris from the construction areas. These containers must be damp-wiped cleaned and free of visible dust/debris before leaving the contained work area. 17. Worker clothing must be clean and free of visible dust before leaving the work area anteroom. 18. Workers must wear shoe covers prior to entry into the work area. Shoe covers must be changed prior to exiting the anteroom to the occupied space (non-work area). Damaged shoe covers must be immediately changed. 19. Install a sticky (dust collection) mat at entrance of contained work area based on facility policy. Sticky mats must be changed routinely and when visibly soiled. 20. Consider collection of particulate data during work to monitor and ensure that contaminates do not enter the occupied spaces. Routine collection of particulate samples may be used to verify HEPA filtration efficiencies.	Construction areas must be inspected by an infection preventionist or designee and engineering representative for discontinuation or downgrading of ICRA precautions. Work Area Cleaning: 1. Clean work areas including all environmental surfaces, high horizontal surfaces and flooring materials. 2. Check all supply and return air registers for dust accumulation on upper surfaces as well as air diffuser surfaces. Removal of Critical Barriers: 1. Critical barriers must remain in place during all work involving drywall removal, creation of dust and activities beyond simple touch-up work. The barrier may NOT be removed until a work area cleaning has been performed. 2. All (plastic or hard) barrier removal activities must be completed in a manner that prevents dust release. Use the following precautions when removing hard barriers: 1. Carefully remove screws and painter tape. 2. If dust will be generated during screw removal, use hand-held HEPA vacuum. 3. Drywall cutting is prohibited during removal process. 4. Clean all stud tracks with HEPA vacuum before removing outer hard barrier. 5. Use a plastic barrier to enclose area if dust could be generated. Negative Air Requirements: 1. The use of negative air must be designed to remove contaminates from the work area. 2. Negative air devices must remain operational at all times and in place for a period after completion of dust creating activities to remove contaminants from the work area and before removal of critical barriers. HVAC systems: 1. Upon removal of critical barriers, remove isolation of HVAC system in areas where work is being performed. 2. Verify that HVAC systems are clean and operational. 3. Verify the HVAC systems meets original airflow and air exchange design specifications.
CLASS V	1. Includes all activities required by Class IV 2. Obtain Infection Control Permit from Hospital Safety Officer or Facilities Management Maintenance and Engineering department before construction begins. 3. Construct and complete critical barriers meeting NFPA 241 requirements. Barriers must extend to the ceiling or if ceiling tile is removed, to the deck above. 4. All (plastic or hard) barrier construction activities must be completed in a manner that prevents dust release. Plastic barriers must be effectively affixed to ground and ceiling and secure from movement or damage. Apply tape that will not leave a residue to seal gaps between barriers, ceiling or floor. 5. Seal all penetrations in containment barriers, anteroom barriers, including floors and ceiling using approved materials (UL schedule firestop if applicable for barrier type). 6. Construct anteroom large enough for equipment staging, cart clearing, workers. The anteroom must be constructed adjacent to entrance of construction work area. 7. Personnel will be required to wear coveralls at all times during Class V work activities. Coveralls must be removed before leaving the anteroom. 8. Remove or isolate return air diffusers to avoid dust entering the HVAC system. 9. Remove or isolate the supply air diffusers to avoid positive pressurization of the space. 10. Negative airflow pattern must be maintained from the entry point to the anteroom and into the construction area. The airflow must cascade from outside to inside the construction area. The entire construction area must remain negatively pressurized. 11. Maintain negative pressurization of the entire workspace using HEPA exhaust air systems directed outdoors. Exhaust discharged directly to the outdoors that is 25 feet or greater from entrances, air intakes and windows does not require HEPA-filtered air. 12. If exhaust is directed indoors, then the system must be HEPA filtered. Prior to start of work, HEPA filtration must be verified by particulate measurement as no less than 99.97% efficiency and must not alter or change airflow/pressure relationships in other areas. 13. Exhaust into shared or recirculating HVAC systems, or other shared exhaust systems (bathroom exhaust) is not acceptable. 14. Install device (e.g., magnehelic, manometer, or digital monitoring) on exterior of work containment to continually monitor negative pressurization. The "ball in the wall" or similar apparatus are not acceptable. 15. Contain all trash and debris in the work area. 16. Nonporous/smooth and cleanable containers (with a hard lid) must be used to transport trash and debris from the construction areas. These containers must be damp-wiped cleaned and free of visible dust/debris before leaving the contained work area. 17. Worker clothing must be clean and free of visible dust before leaving the work area anteroom. 18. Workers must wear shoe covers prior to entry into the work area. Shoe covers must be changed prior to exiting the anteroom to the occupied space (non-work area). Damaged shoe covers must be immediately changed. 19. Install a sticky (dust collection) mat at entrance of contained work area based on facility policy. Sticky mats must be changed routinely and when visibly soiled. 20. Consider collection of particulate data during work to monitor and ensure that contaminates do not enter the occupied spaces. Routine collection of particulate samples may be used to verify HEPA filtration efficiencies.	Construction areas must be inspected by an infection preventionist or designee and engineering representative for discontinuation or downgrading of ICRA precautions. Work Area Cleaning: 1. Clean work areas including all environmental surfaces, high horizontal surfaces and flooring materials. 2. Check all supply and return air registers for dust accumulation on upper surfaces as well as air diffuser surfaces. Removal of Critical Barriers: 1. Critical barriers must remain in place during all work involving drywall removal, creation of dust and activities beyond simple touch-up work. The barrier may NOT be removed until a work area cleaning has been performed. 2. All (plastic or hard) barrier removal activities must be completed in a manner that prevents dust release. Use the following precautions when removing hard barriers: 1. Carefully remove screws and painter tape. 2. If dust will be generated during screw removal, use hand-held HEPA vacuum. 3. Drywall cutting is prohibited during removal process. 4. Clean all stud tracks with HEPA vacuum before removing outer hard barrier. 5. Use a plastic barrier to enclose area if dust could be generated. Negative Air Requirements: 1. The use of negative air must be designed to remove contaminates from the work area. 2. Negative air devices must remain operational at all times and in place for a period after completion of dust creating activities to remove contaminants from the work area and before removal of critical barriers. HVAC systems: 1. Upon removal of critical barriers, remove isolation of HVAC system in areas where work is being performed. 2. Verify that HVAC systems are clean and operational. 3. Verify the HVAC systems meets original airflow and air exchange design specifications.

FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ICRA INFORMATION AND DETAILS

Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Approved

Date: JULY 16, 2025 | Checked: JAB | Drawn: BN

Drawing Number: G-002

Dwg 2 of 4

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PROJECT 619-23-105 - MONTGOMERY VA LEGIONELLA PLUMBING PROJECT - BLDG. 1 PROJECT ICRA AND CONTRACTOR WORK HOURS

Project Area				Work Area	Construction	Patient	ICRA Class			Corridors/Common Spaces		Patient Areas			
Building	Floor	Wing/Area	Room #	Room Name	Activity	Risk Group	of Precautions	Remarks	Service	Work Hours	Weekend...	Work Hours	Weekend...	Tool Noise Hours	Dust: Hand Saw Cutting Allowed
1	GROUND	A	GA-123	COMMON MECH ROOM	TYPE B	LOW	Class II/III	DRILL THRU SLAB. WORK ON FLOORS 2-0.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	GROUND	A	GA-114	Men's Restroom	TYPE B	LOW	Class II	DEMO WORK IN WALL THIS FLOOR ONLY. WALL TILE FULL HEIGHT OF WALL.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	GROUND	A	GA-112	DAV Coordinator Office	TYPE B	LOW	Class II	OPEN UP WALL, POSSIBLY THROUGH SLAB. WORK ON FLOORS 0-4.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	GROUND	A	GB-100	US Room	TYPE B	HIGH	Class II	OPEN UP CHASE THIS FLOOR ONLY		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	GROUND	B	GB-126A	Imaging - Old Elevator Shaft	TYPE C	HIGH	Class IV	OPEN UP WALL THIS FLOOR, DRILL THROUGH SLAB AND WORK ON THE FLOOR ABOVE.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	GROUND	B	GB-118	MRI Control Room	TYPE B	LOW	Class II	WORK ABOVE HARD CEILING		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	GROUND	B	GB-105	Mr. Colvin Office	TYPE B	LOW	Class II	DRILL THRU SLAB, OPEN CHASE. WORK ON FLRS 0-4.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	GROUND	B	RCCG123R	Outpatient Pharmacy	TYPE C	HIGH	Class IV	OPEN UP CHASE ON THIS FLOOR. WORK ON THIS FLOOR AND DLOORS 1,2,3,4.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	GROUND	C	GC-110	Women's Bathroom Police Services	TYPE B	LOW	Class II	OPEN UP CHASE. WORK THIS FLOOR.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	GROUND	C	GC-124	Men's Restroom	TYPE B	LOW	Class II	DRILL THRU SLAB. WORK ON FLRS 1-0.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	GROUND	C	GD-149	SOG Bathroom	TYPE B	HIGH	Class II	WORK ABOVE HARD CEILING		Coord. w/ Staff	Coord. w/ Staff	Coord. w/ Staff	Coord. w/ Staff	Coord. w/ Staff	Coord. w/ Staff
1	GROUND	C	GD-145	SOG Patient Room	TYPE B/C	HIGH	Class IV	WORK ABOCE HARD CEIILING.		Coord. w/ Staff	Coord. w/ Staff	Coord. w/ Staff	Coord. w/ Staff	Coord. w/ Staff	Coord. w/ Staff
1	GROUND	C	GD-146	SOG Pateint Room	TYPE B/C	HIGH	Class IV	WORK ABOCE HARD CEIILING.		Coord. w/ Staff	Coord. w/ Staff	Coord. w/ Staff	Coord. w/ Staff	Coord. w/ Staff	Coord. w/ Staff
1	GROUND	C	RCCG117R	Hallway In ED	TYPE B/C	HIGH	Class IV	OPEN UP WALL, DRILL THRU SLAB WORK ON FLRS 0-2.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	GROUND	C	GD-160C	Women's Bathroom	TYPE B	HIGH	Class II	OPEN UP WALL. WORK THIS FLR.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	GROUND	D	GD-102D	Controlled Substance Vault	TYPE C	HIGH	Class IV	OPEN UP WALL. DRILL THRU SLAB WORK ON FLOORS 0-2.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	GROUND	D	GD-113	ED Bathroom - Women	TYPE B/C	HIGH	Class IV	OPEN UP CHASE. WORK THIS FLOOR.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	GROUND	D	GD-133	Nursing Station ED	TYPE B/C	HIGH	Class IV	OPEN UP CHASE. WORK THIS FLOOR.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	GROUND	D	GD-118	ED Bathroom Men	TYPE B/C	HIGH	Class IV	OPEN UP CHASE. WORK THIS FLOOR.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	FIRST	A	1A-124C	Office	TYPE B	LOW	Class II	OPEN UP CHASE, DRILL THRU SLAB. WORK ON FLOORS 2 - 0.	Primary Care(TIMS/Imaging for Clinics)	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	FIRST	A	1A-116	Men's Bathroom	TYPE B	LOW	Class II	DRILL THRU SLAB, WORK ON FLOORS 1-2.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	FIRST	A	1A-114	Office - Correspondence	TYPE B	LOW	Class II	OPEN UP WALL, POSSIBLY DRILL THROUGH SLAB WORK ON FLOORS 0-4.	Main Computer Room	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	FIRST	B	1B-116	Physical Therapy Clinic	TYPE B	High	Class II	OPEN UP WALL. WORK ON GROUND FLR, THIS FLOOR, SECOND FLR, THIRD FLR, FOURTH FLR.	Outpatient Clinic Area	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	FIRST	B	1B-111	Occupational Therapy	TYPE B	High	Class II	OPEN UP WALL TO DEMO PIPE. THIS FLOOR ONLY.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	FIRST	B	1B-105	Men's Restroom	TYPE B	High	Class II	DRILL THRU SLAB, OPEN CHASE. WORK ON FLRS 0-4.	Pharmacy (In-Patient)	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	FIRST	B	1D-115	Pharmacy Construction	TYPE B/C	HIGHEST	Class IV	OPEN UP WALL ON THIS FLOOR, DRILL THROUGH SLAB. WORK ON FLOORS1 -4.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	FIRST	C	1C-103	Office	TYPE B	Low	Class II	DRILL THRU SLAB WORK ON FLOORS 1-2.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	FIRST	C	1C-109	HR	TYPE B	Low	Class II	DRILL THRU SLAB WORK ON FLOORS 1-2.	Physical Therapy	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	FIRST	C	1C-112	Medical Records	TYPE B	Low	Class II	DRILL THROUGH SLAB. WORK ON FLOORS 1-0.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	FIRST	C	1D-108	HAC	TYPE B	High	Class II	Partial Stor. Rm. Gets absorbed into A237		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	FIRST	D	1D-122	Gross Specimen Storage	TYPE B	High	Class II	OPEN UP WALL, DRILL THRU SLAB WORK ON FLOORS 0-2.	Radiology (X-Ray and Patient Monitoring, MRI)	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	SECOND	A	2A-120	Pateint Room SDS	TYPE B/C	HIGH	Class IV	OPEN UP CHASE, DRILL THRU SLAB. WORK ON FLOORS 2-4.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	SECOND	A	2A-121	Pateint Room SDS	TYPE B/C	HIGH	Class IV	OPEN UP CHASE, DRILL THRU SLAB. WORK ON FLOORS 2-0.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	SECOND	A	2A-124	Pateint Room SDS	TYPE B/C	HIGH	Class IV	OPEN UP CHASE, DRILL THRU SLAB. WORK ON FLOORS 2-4.	Kitchen Cart Wash, Hmodialysis down hall	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	SECOND	A	2A-112	Nursing Station SDS	TYPE B	High	Class II	OPEN UP CHASE, DRILL THRU SLAB. WORK ON FLOORS 1-2	ICU, OR	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	SECOND	A	S2-3	Stairwell	TYPE B	Low	Class II	OPEN UP WALL; POSSIBLY DRILL THROUGH SLAB. WORK ON FLOORS 0-4.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	SECOND	A	2A-132	Dr. Paulk's Office	TYPE B/C	HIGHEST	Class IV	OPEN UP CHASE, DRILL THRU SLAB. WORK ON FLORS 2-4.	Inpatient Medical, Acute care Unit, SSU	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	SECOND	B	2B-122	ICU Patient Room	TYPE B/C	HIGHEST	Class IV	OPEN UP CHASE, DRILL THROUGH SLAB. WORK ON FLOORS 0-4.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	SECOND	B	2B-109	TeleMental Health	TYPE B	HIGH	Class II	DRILL THRU SLAB, OPEN CHASE. WORK ON FLRS 0-4.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	SECOND	B	2B-127-3	ICU Patient Room	TYPE B/C	HIGHEST	Class IV	DRILL THROUGH SALB. WORK ON THIS FLOOR, THIRD, FOURTH.	Inpatient Medical, Acute Care Unit	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	SECOND	B	2B-149	Equipment Storage	TYPE B	HIGH	Class II	DEMO WORK ABOVE HARD CEILING.	Offices, Also main Patient Corridor	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	SECOND	B	2B-146	Non-Invasive Cardiac Lab	TYPE B	HIGH	Class II	OPEN UP WALL ON THIS FLOOR, DRILL THROUGH SLAB. WORK ON FLOORS 0-4.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	SECOND	C	2C-0104	Soiled Linen - OR	TYPE C	HIGHEST	Class IV	DRILL THRU SLAB. OPEN UP CHASE AND HARD CEILING. WORK ON FLOORS 1-2.	ICU	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	SECOND	C	2C-107C	Toilet & Clean Linen	TYPE C	HIGHEST	Class IV	OPEN UP CHASE, DRILL THRU SLAB.WORK ON FLOORS 1,2.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	SECOND	C	2C-108	Digestive & Endo	TYPE C	HIGHEST	Class IV	WORK ABOVE HARD CEILING. THIS FLOOR ONLY.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	SECOND	C	2C-111C	HAC - Inside Scrub Room	TYPE C	HIGHEST	Class IV	OPEN UP WALL, WORK ON FLOORS 2-0.	Mental Health Offices	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	SECOND	D	2D-109	Mechanical Room	TYPE B	Low	Class II	WORK IN MECH ROOM. DRILLING THRU SLAB. WORK ON FLRS 0 - 2.	Mental Helth Offices	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	SECOND	D	2D-106	Decon Dressing Room	TYPE C	HIGHEST	Class IV	OPEN UP WALL. DRILL THRU SLAB. WORK ON FLOORS 0-2.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	SECOND	D	S2-7	Stairwell	TYPE B	LOW	Class II	WORK IN STAIRS. DRILL THRU STAIR WALL TO INSTALL NEW SPRINKLER PIPING THAT WILL SERVE PENTHOUSE.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	THIRD	A	3A-120	Pateint Room	TYPE C	HIGH	Class IV	OPEN UP CHASE, DRILL THRU SLAB. WORK ON FLOORS 2-4.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	THIRD	A	3A-115C	Patient Room	TYPE C	HIGH	Class IV	WORK ABOVE HARD CEILING		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	THIRD	A	3A-124	Patient Room	TYPE C	HIGH	Class IV	OPEN UP CHASE, DRILL THRU SLAB. WORK ON FLOORS 2-4.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	THIRD	A	3A-109	Soiled Utility	TYPE C	HIGH	Class IV	OPEN UP WALL, POSSIBLY DRILL THROUGH SLAB. WORK ON FLORS 0-4.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	THIRD	A	3A-138	Storage for Wheelchairs/Shower	TYPE C	HIGH	Class IV	OPEN UP CHASE. WORK ON THIS FLR AND FOURTH FLR.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	THIRD	A	3A-132	Pateint Room	TYPE C	HIGH	Class IV	OPEN UP CHASE, DRILL THRU SLAB. WORK ON FLRS 2-4.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	THIRD	B	3B-118	Neuro Exam Room	TYPE C	HIGH	Class IV	DRILL THOUGH SLAB ABOVE. WORK ON THIS FLOOR AND 4TH FLOOR.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	THIRD	B	3B-120	Lockeroom	TYPE B	LOW	Class II	OPEN UP CHASE. WORK ON FLOORS 0-4.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	THIRD	B	3B-114	Staff Restroom	TYPE B	LOW	Class II	DRILL THROUGH SLAB. WORK THIS FLOOR AND FOURTH FLR.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	THIRD	B	3B-124	Exam Room	TYPE C	HIGH	Class IV	OPEN UP CHASE. WORK ON FLOORS 2-4.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	THIRD	B	3B-109	Soiled Utility	TYPE C	HIGH	Class IV	DRILL THRU SLAB , OPEN CHASE WORK ON FLRS 0-4.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	THIRD	B	3B-138	Physician Office / Exam Room	TYPE C	HIGH	Class IV	DRILL THROUGH SLAB ABOVE. WORK ON THIS FLOOR AND 4TH FLR.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	THIRD	B	3B-133A	Physician Restroom	TYPE C	LOW	Class II	DRILL THROUGH SLAB ABOVE. WORK ON THIS FLOOR AND 4TH FLR.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	THIRD	B	3B-132	Education/Vitals	TYPE B	MEDIUM	Class II	OPEN UP CHASE ON THIS FLOOR. WORK ON FLOORS 0-4.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	FOURTH	A	4A-120	Patient Waiing Room	TYPE C	MEDIUM	Class III	OPEN UP CHASE, DRILL THRU SLAB. WORK ON FLRS 2-4.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	FOURTH	A	4A-115	M Platinum Clinic Nurse	TYPE B	HIGH	Class II	WORK ABOVE HARD CEILING.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	FOURTH	A	4A-124	Psychiatrist	TYPE C	HIGH	Class IV	OPEN UP CHASE, DRILL THRU SLAB. WORK ON FLRS 2-4.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	FOURTH	A	4A-109	Soiled Utility	TYPE C	HIGH	Class IV	OPEN UP WALL, POSSIBLY DRILL THROUGH SLAB. WORK ON FLRS 0 - 4.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	FOURTH	A	4A-138	PTSD Phsychologist	TYPE C	HIGH	Class IV	OPEN UP CHASE, WORK ON THIS FLR AND 3RD FLR.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	FOURTH	A	4A-132	Patients	TYPE C	HIGH	Class IV	OPEN UP CHASE, DRILL THRU SLAB WORK ON FLRS 2-4.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	FOURTH	A	4B-102	Social Work Office	TYPE C	HIGH	Class IV	DRILL THROUGH SLAB ABOVE WORK THIS FLR AND 4TH FLR.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	FOURTH	B	4B-114	Staff Restroom	TYPE C	MEDIUM	Class II	OPEN UP WALL, WORK THIS FLOOR AND THIRD FLR.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	FOURTH	B	4B-124	Office/Provider Room	TYPE C	HIGH	Class IV	OPEN UP CHASE. WORK ON FLOORS 2-4.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	FOURTH	B	4B-109	Soiled Utility	TYPE C	HIGH	Class IV	DRILL THRU SLAB, OPEN CHASE. WORK ON FLRS 0-4.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	FOURTH	B	4B-138	Exam Room	TYPE C	HIGH	Class IV	OPEN CHASE. WORK ON THIS FLOOR AND 3RD FLR.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	FOURTH	B	4B-132	Social Work Office	TYPE C	HIGH	Class IV	OPEN CHASE. WORK ON THIS FLOOR AND 3RD FLR.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	FOURTH	B	4B-133A	Social Wok Suervisor Restroom	TYPE C	LOW	Class II	OPEN UP CHASE. WORK ON FLOORS 0-4.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	FOURTH	B	4B-120	Move Classroom	TYPE C	HIGH	Class IV	OPEN UP CHASE. WORK ON FLRS 0-4.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	FOURTH	B	4B-118A	CPAP Classroom	TYPE C	HIGH	Class IV	OPEN UP CHASR. WORK ON THIS FLR AND 3RD FLR.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours
1	FIFTH	A	5A-106A	Quality Office	TYPE C	LOW	Class II	OPEN UP WALL, DRILL THRU SLAB. WORK THIS FLR AND 4TH FLR.		4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	4:00 PM - 12:00 AM	per work area hours	per work area hours

NOTES

1. ALL TIMES TO BE CONFIRMED W/ COR BEFORE PROCEEDING WITH WORK.
2. STICKY MATS SHALL BE PLACED AT DOORS BEFORE ENTERING ALL HALLS OR STAIR LOCATIONS. WHERE WORK IS BEING PERFORMED, INTERSTITIAL SPACES INCLUDED, CHANGE MATS AS FREQUENTLY AS NEEDED. DUSTY FOOT PRINTS ON FLOORS IS NOT ACCEPTABLE OUTSIDE OF CONSTRUCTION BARRIERS.
3. SURGICAL AREA REQUIRE INFECTION PREVENTION CONSULTATION.
4. OPERATING ROOMS - CONTRACTOR SHALL NOT BE ALLOWED TO WORK IN ALL OPERATING ROOM SPACES CONCURRENTLY, ALL OPERATING ROOM WORK, WEEK DAYS AND WEEKENDS WILL BE PHASED.
5. ALL WORK IN PHARMACY SPACES WILL TAKE PLACE FROM 6PM TO 2AM ON WEEKDAYS. NO WORK IN PHARMACY SPACES DURING THE WEEKEND IS ALLOWED.
6. ENSURE NO AIR INTAKES ARE EFFECTED.
7. PROVIDE PROPER ANTE ROOM TO THE CONSTRUCTION AREA FOR ALL CLASS IV AREAS.

* THIS TABLE IS NOT COMPREHENSIVE. THIS CHART ONLY REPRESENTS CONSTRUCTION WORK IN WALLS, FLOORS AND HARD CEILINGS. REFER TO PLUMBING DRAWINGS FOR COMPLETE SCOPE OF PROJECT

FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

ACOUSTICAL CONSULTING GROUP, P.A. 52644 RALEIGH, NC

JEFFREY A. BROOKS LICENSED ARCHITECT 11296 NORTH CAROLINA

7/17/2025

PROJECT MANAGER

ACG Project Number 23-039

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ICRA TABLE

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Approved

Date: JULY 16, 2025 | Checked: JAB | Drawn: CET

Drawing Number: G-003

Dwg 3 of 4

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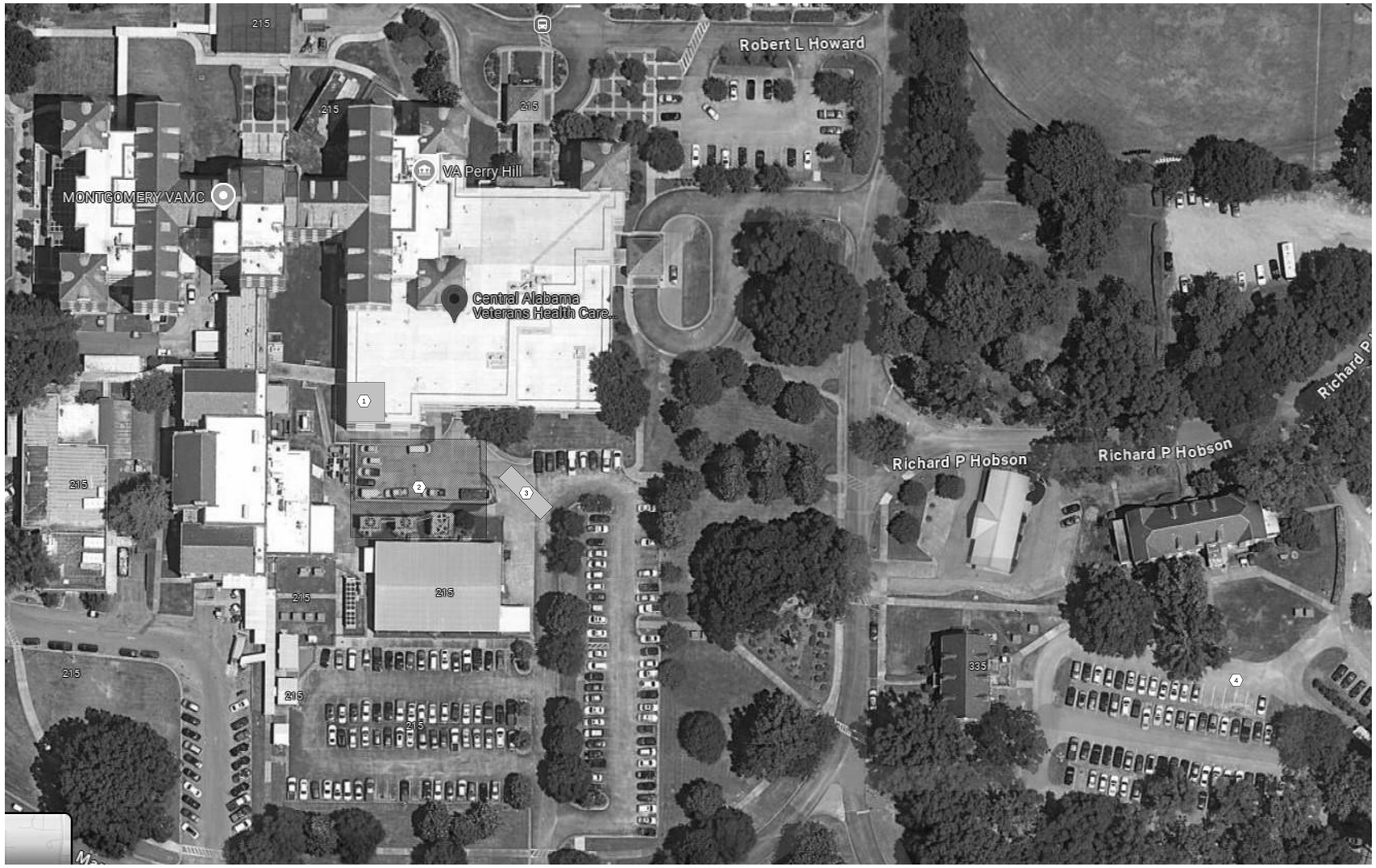

1 **SITE LOGISTICS PLAN**
SCALE: 3/4" = 1'-0"

SHEET NOTES:

A. PROVIDE TEMPORARY SITE LIGHTING IF WORKING AT NIGHT.

B. IF ANY EXISTING UTILITIES TO THE MAIN HOSPITAL BUILDING ARE INTERRUPTED, NOTIFY THE VA COR.

C. IF UTILITIES ARE ACCIDENTALLY CUT DURING CONSTRUCTION, THE EMERGENCY CALL NUMBER FOR 24/7 SERVICE IS 334-272-4670 OR 1-800-214-8387.

D. IF GC AND SUB-CONTRACTORS NEED ADDITIONAL PARKING, THEY NEED TO PARK OFF THE VA CAMPUS AND COMMUTE ONTO THE SITE. NO OTHER PARKING WILL BE AFFORDED TO THE GC OR THEIR SUB-CONTRACTORS

E. CRANE LIFT SHOULD BE SCHEDULED WITH THE VA COR AND THE VA FACILITIES SAFETY DEPT. WITH A FULL LIFT PLAN AND SCHEDULE 21 DAYS PRIOR TO THE START OF ANY CRANE ACTIVITIES.

KEY NOTES:

1 NEW PENTHOUSE LOCATION.
2 UTILITY YARD UNDER CONSTRUCTION
3 PROPOSED CRANE LOCATION FOR NEW PENTHOUSE INSTALLATION. CRANE LIFT SHOULD BE SCHEDULED ON OFF HOURS/WEEKENDS DUE TO STAFF OCCUPANCY MONDAY THRU FRIDAY. GC TO INFORM VA COR 21 DAYS PRIOR TO THE START OF ANY ACTIVITIES.
4 GENERAL CONTRACTOR AND SUB-CONTRACTOR PARKING AREA

FULLY SPRINKLERED
100% CONSTRUCTION DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

APOGEE CONSULTING GROUP, P.A. 52644 RALEIGH, NC

JEFFREY A. BROOKS LICENSED ARCHITECT 11296 NORTH CAROLINA
7/17/2025

PROJECT MANAGER
ACG Project Number 23-039

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Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: SITE LOGISTICS PLAN AND LIFE SAFETY EXIT PLAN
Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109
Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1
Approved:
Date: JULY 16, 2025
Checked: JAB
Drawn: CET
VA PROJECT NUMBER: 619-23-105
Building Number: # 1
Drawing Number: G-004
Dwg 4 of 4

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DETAIL # / PAGE # — 1 / S8.1 — WALL SECTION SYMBOL

DETAIL # / PAGE # — 1 / S8.1 — BUILDING SECTION SYMBOL

DETAIL # / PAGE # — 1 / S8.1 — DETAIL SECTION SYMBOL

DETAIL # / PAGE # — 1 / S8.1 — EXTERIOR ELEVATION SYMBOL

XX.X — COLUMN GRID

WALL GRID (REPRESENTS FACE OF EXISTING WALL)

ELEVATION 0'-0" — ELEVATION SYMBOL

ROOM NAME 101A — ROOM DESIGNATION SYMBOL

— TYPICAL KEYNOTE

ROOF SLOPE DIRECTION SYMBOL

1 — REVISION NOTE

BREAK LINE

1 / A8.1 — ENLARGED DETAIL CALLOUT

NORTH — VIEW NORTH ARROW

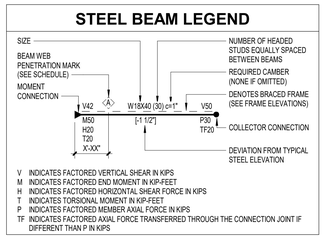
0 4 8 16 — TYPICAL GRAPHIC SCALE

6 S001 GENERAL SYMBOL LEGEND

AFF	ABOVE FINISHED FLOOR
AL	ALUMINUM
APPROX	APPROXIMATE(LY)
B/O	BOTTOM OF
BLKG	BLOCKING
BOT	BOTTOM
BRG	BEARING
℄	CENTERLINE
C/C	CENTER TO CENTER
CJ	CONTROL JOINT
CMU	CONCRETE MASONRY UNIT
CLR	CLEAR
CONT	CONTINUOUS
CRSF	COLD ROLLED STEEL FRAMING
CTR	CENTER(ED)
DBL	DOUBLE
DEG	DEGREE
DEMO	DEMOLITION
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
EJ	EXPANSION JOINT
EW	EACH WAY
EA	EACH
ELEV	ELEVATION
EQ	EQUAL
EXIST	EXISTING
FFE	FINISH FLOOR ELEVATION
FV	FIELD VERIFY
FIN	FINISH
FLR	FLOOR
FT	FOOT/FEET
FTG	FOOTING
GC	GENERAL CONTRACTOR
GA	GAUGE
GALV	GALVANIZED
ID	INSIDE DIAMETER
IN	INCH
MO	MASONRY OPENING
MAX	MAXIMUM
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
NOM	NOMINAL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPP	OPPOSITE
PEMB	PRE-ENGINEERED METAL BUILDING
PT	PRESSURE TREATED
℗	PLATE
RO	ROUGH OPENING
RAD	RADIUS
REINF	REINFORCED
REQ'D	REQUIRED
REV	REVISED (REVISION)
SF	SQUARE FEET
SS	STAINLESS STEEL
SIM	SIMILAR
SQ	SQUARE
STD	STANDARD
T&G	TONGUE AND GROOVE
T/O	TOP OF
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VIF	VERIFY IN FIELD
W/	WITH
W/O	WITHOUT
WWF	WELDED WIRE FABRIC
#	POUND(S)

7 S001 ABBREVIATIONS

5 S001 STEEL BEAM LEGEND



S001

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MATERIAL SPECIFICATION

1. ALL STRUCTURAL STEEL TO BE PREFERRED MATERIAL SPECIFICATION IN ACCORDANCE WITH:
   a. AISC 360-16, SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS
   b. AISC 348-14, RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS
   c. AISC 303-16, CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.
2. ALL METAL DECK SHALL BE IN ACCORDANCE WITH:
   a. SDI SD-2020, "STANDARD FOR STEEL ROOF DECK."
3. ALL WELDING TO BE PERFORMED BY CERTIFIED WELDERS AND IN ACCORDANCE WITH:
   a. AWS D1.1:2020, STRUCTURAL WELDING CODE - STEEL
4. ALL GALVANIZED STEEL SHALL BE IN ACCORDANCE WITH:
   a. ASTM A123/A123M-24, "STANDARD SPECIFICATION FOR ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS."
   b. ASTM A153/A153M-23, "STANDARD SPECIFICATION FOR ZINC COATING (HOT-DIP) ON IRON AND STEEL HARDWARE."
   c. ASTM A780-09 (2015), "STANDARD PRACTICE FOR REPAIR OF DAMAGED AND UNCOATED AREAS OF HOT-DIP GALVANIZED COATINGS."
   d. ASTM D6386-22, "STANDARD PRACTICE FOR PREPARATION OF ZINC (HOT-DIPPED GALVANIZED) COATED IRON AND STEEL PRODUCTS AND HARDWARE SURFACES FOR PAINTING."
5. ALL NON-SHRINK CEMENTITIOUS GROUT SHALL CONFORM TO THE REQUIREMENTS OF:
   a. ASTM C1107-20 "STANDARD SPECIFICATION FOR PACKAGED DRY, HYDRAULIC-CEMENT GROUT (NONSHRINK.)
6. ALL PRE-ENGINEERED CFSF TRUSSES SHALL BE IN ACCORDANCE WITH:
   a. ANSI/ITPI S240, "NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING".
7. ALL POST-INSTALLED MECHANICAL ANCHORAGE INTO CRACKED OR UNCRACKED CONCRETE SHALL BE IN ACCORDANCE WITH:
   a. ACI 355.2 & ICC-ES AC193, ACCEPTANCE CRITERIA FOR MECHANICAL ANCHORS IN CONCRETE ELEMENTS
8. ALL POST-INSTALLED ADHESIVE ANCHORAGE INTO CRACKED OR UNCRACKED CONCRETE SHALL BE IN ACCORDANCE WITH:
   a. ACI 355.4 & ICC-ES AC308, ACCEPTANCE CRITERIA FOR POST-INSTALLED ADHESIVE ANCHORS IN CONCRETE ELEMENTS.
   b. ALL ADHESIVE ANCHORS SHALL BE INSTALLED BY A CERTIFIED ADHESIVE ANCHOR INSTALLER.

3 S001 MATERIAL SPECIFICATIONS

1. SHOP DRAWINGS AND DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE COR. FOR REVIEW BEFORE ANY CONSTRUCTION BEGINS. THESE DEFERRED SUBMITTALS WILL BE REVIEWED FOR OVERALL COMPLIANCE AS IT RELATES TO THE STRUCTURAL DESIGN OF THIS PROJECT. VERIFICATION OF THE SHOP DRAWINGS FOR DIMENSIONS, OR FOR ACTUAL FIELD CONDITIONS IS NOT THE RESPONSIBILITY OF THE COR.
2. HIGHLIGHT, ENCIRCLE, OR OTHERWISE SPECIFICALLY IDENTIFY DEVIATIONS FROM THE CONTRACT DOCUMENTS ON DEFERRED SUBMITTALS. REVIEW EACH DEFERRED SUBMITTAL AND CHECK FOR COORDINATION WITH OTHER TRADES AND FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. NOTE CORRECTIONS AND FIELD DIMENSIONS. MARK WITH APPROVAL STAMP BEFORE SUBMITTING TO THE COR. STAMP SHALL INCLUDE NAME OF REVIEWER, DATE OF CONTRACTOR'S APPROVAL, AND STATEMENT CERTIFYING THAT SUBMITTAL HAS BEEN REVIEWED, CHECKED, AND APPROVED FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.
3. WHERE PROFESSIONAL DESIGN SERVICE OR CERTIFICATIONS BY A DESIGN PROFESSIONAL ARE SPECIFICALLY REQUIRED OF THE CONTRACTOR BY THE CONTRACT DOCUMENTS, PROVIDE PRODUCTS AND SYSTEMS COMPLYING WITH SPECIFIC PERFORMANCE AND DESIGN CRITERIA INDICATED. IN ADDITION, SUBMIT COPIES OF A STATEMENT, SIGNED AND SEALED BY THE RESPONSIBLE DESIGN PROFESSIONAL, FOR EACH PRODUCT AND SYSTEM SPECIFICALLY ASSIGNED TO THE CONTRACTOR TO BE DESIGNED OR CERTIFIED BY A DESIGN PROFESSIONAL.
4. PROVIDE THE FOLLOWING DEFERRED SUBMITTALS FOR THIS PROJECT:

A. STRUCTURAL STEEL
   i. SHOP DRAWINGS: SHOW FABRICATION OF STRUCTURAL STEEL COMPONENTS.
   ii. WELDING PROCEDURES AND WELDING CERTIFICATES WITH CONTINUITY LOGS AS REQ'D.
   iii. ALL CONNECTIONS NOT FULLY DEVELOPED IN THESE DOCUMENTS SHALL BE DESIGNATED AS A DELEGATED DESIGN IN ACCORDANCE WITH AISC 303-16, SECT 3.2.3(3).
      a. NO RESTRICTIONS ON TYPE OF CONNECTION.
      b. LOADS ARE PROVIDED ON FRAMING PLANS. (USE 10k MINIMUM WHERE NO LOAD IS SHOWN.)
      c. ALL LOADS ARE SERVICE-LOAD LEVEL (UNFACTORED).
      d. LRFD OR ASD MAY BE USED IN THE SELECTION AND DESIGN OF CONNECTIONS.
      e. PROVIDE CALCULATIONS FOR ALL CONNECTIONS NOT FULLY DEVELOPED IN THESE DOCUMENTS,CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER WORKING FOR THE FABRICATOR.

B. COLD-FORMED STEEL EXTERIOR WALL PANELS
   i. SHOP DRAWINGS: SHOW INSTALLATION OF ALL COLD FORMED STEEL MEMBERS CONNECTIONS, AND COMPONENTS.
   ii. ALL PANEL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ICC ESR-4500 OR APPROVED EQUAL.
   iii. PROVIDE CALCULATIONS FOR ALL MEMBERS, COMPONENTS, AND CONNECTIONS, CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER.
      a. INCORPORATE COMPONENTS & CLADDING NET DESIGN WIND PRESSURES IN ACCORDANCE WITH ASCE 7-22.

C. COLD-FORMED STEEL TRUSSES
   i. ALL PRE-ENGINEERED COLD-FORMED STEEL TRUSSES SHALL BE IN ACCORDANCE WITH AISI S240-20, "NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL STRUCTURAL FRAMING".
   ii. SUBMIT SHOP DRAWINGS, INCLUDING DESIGN CALCULATIONS, MEMBER FORCES AND CONTROL POINTS, FOR REVIEW PRIOR TO FABRICATION, SEALED BY A REGISTERED PROFESSIONAL ENGINEER.

4 S001 DELEGATED DESIGN

1. THE FOLLOWING DOCUMENTS ARE THE PROPERTY OF APOGEE CONSULTING GROUP. FOR USE SOLELY FOR THIS PROJECT AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR OTHER PURPOSES WITHOUT WRITTEN PERMISSION FROM APOGEE CONSULTING GROUP.
2. NO OTHER PARTY MAY REVISE, ALTER, OR DELETE THESE CONSTRUCTION DOCUMENTS WITHOUT WRITTEN PERMISSION FROM APOGEE CONSULTING GROUP.
3. THIS STRUCTURE IS ONLY STABLE IN ITS COMPLETED FORM. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED TEMPORARY BRACING DURING CONSTRUCTION TO STABILIZE THE STRUCTURE. TEMPORARY SHORING AND BRACING METHODS ARE NOT THE RESPONSIBILITY OF APOGEE CONSULTING GROUP AND ARE BEYOND THE SCOPE OF THESE DRAWINGS.
4. THE SER IS NOT RESPONSIBLE FOR CONSTRUCTION SEQUENCES, METHODS, OR TECHNIQUES IN CONNECTION WITH THE CONSTRUCTION OF THIS STRUCTURE. THE SER WILL NOT BE HELD RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CONFORM TO THE CONSTRUCTION DOCUMENTS, SHOULD ANY NON-CONFORMITIES OCCUR.
5. ANY STRUCTURAL ELEMENTS OR DETAILS NOT FULLY DEVELOPED ON THE CONSTRUCTION DRAWINGS SHALL BE COMPLETED UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THESE SHOP DRAWINGS SHALL BE SUBMITTED TO APOGEE CONSULTING GROUP FOR REVIEW BEFORE ANY CONSTRUCTION BEGINS.
6. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH AND COORDINATED WITH THE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND CIVIL DRAWINGS. THIS COORDINATION IS NOT THE RESPONSIBILITY OF THE SER. SHOULD ANY DISCREPANCIES BECOME APPARENT THE CONTRACTOR SHALL NOTIFY APOGEE CONSULTING GROUP BEFORE ANY CONSTRUCTION BEGINS.
7. VERIFICATION OF ASSUMED FIELD CONDITIONS IS NOT THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER OF RECORD. THE CONTRACTOR SHALL VERIFY THE FIELD CONDITIONS FOR ACCURACY AND REPORT ANY DISCREPANCIES TO APOGEE CONSULTING GROUP BEFORE CONSTRUCTION BEGINS.
8. THE STRUCTURAL ENGINEER OF RECORD IS NOT RESPONSIBLE FOR ANY SECONDARY STRUCTURAL ELEMENTS OR NON-STRUCTURAL ELEMENTS, EXCEPT FOR THE ELEMENTS SPECIFICALLY NOTED ON THE STRUCTURAL DRAWINGS.
9. ANALYSIS BASED ON ORIGINAL STRUCTURAL CONTRACT DRAWINGS BY SHERLOCK, SMITH + ADAMS, INC., DATED 1 AUG. 88.

1 S001 GENERAL NOTES

1. BUILDING CODES
   a. 2024 INTERNATIONAL BUILDING CODE (IBC).
   b. ASCE/SEI 7-22, MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDING AND OTHER STRUCTURES, AMERICAN SOCIETY OF CIVIL ENGINEERS.
   c. VA HANDBOOK H-18-8 SEISMIC DESIGN REQUIREMENTS.
   d. VA PHYSICAL SECURITY AND RESILIENCY DESIGN MANUAL.
2. DEAD LOAD

PENTHOUSE ROOF	
ROOF TRUSSES	15 PSF
METAL DECK	2 PSF
STRUCTURAL STEEL FRAMING	2 PSF
COLLATERAL (PM&E)	5 PSF
ASPHALT SHINGLE	3 PSF
3/4" PLYWOOD	3 PSF
PENTHOUSE FLOOR	
BAR GRATING	7 PSF
STRUCTURAL STEEL FRAMING	15 PSF
COLLATERAL (PM&E)	5 PSF

3. LIVE LOAD

PENTHOUSE ROOF	20 PSF
PENTHOUSE FLOOR	100 PSF

5. SNOW LOAD

GROUND SNOW LOAD, Pg	12 PSF
SNOW EXPOSURE FACTOR, Ce	0.9
THERMAL FACTOR, Ct	1.2
ROOF SLOPE FACTOR, Cs	1.0
SLOPED ROOF SNOW LOAD, Ps	12 PSF

6. WIND LOADS

ANALYSIS PROCEDURE	DIRECTIONAL PROCEDURE
WIND SPEED, V (3 SECOND GUST)	121 MPH
RISK CATEGORY	IV
EXPOSURE	B

8. SEISMIC LOADS

ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE
RISK CATEGORY	IV
SOIL SITE CLASS	D, ASSUMED
MAPPED SPECTRAL RESPONSE ACCELERATION, Ss	0.19
MAPPED SPECTRAL RESPONSE ACCELERATION, S1	0.086
LONG-PERIOD TRANSITION PERIOD, TI	12 SEC.
SEISMIC FORCE RESISTING SYSTEM	BUILDING FRAME SYSTEM, STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
SEISMIC DESIGN CATEGORY	C

2 S001 DESIGN CRITERIA

FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 052983 HOSSEIN DORMOHAMMADI — 7/18/2025

PROJECT MANAGER

ACG Project Number 23-039

APOGEE Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: STRUCTURAL SYMBOLS, ABBREVIATIONS AND NOTES

Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Approved:

Date: JULY 16, 2025 | Checked: HD | Drawn: BN

Drawing Number: S-001

Dwg 1 of 5

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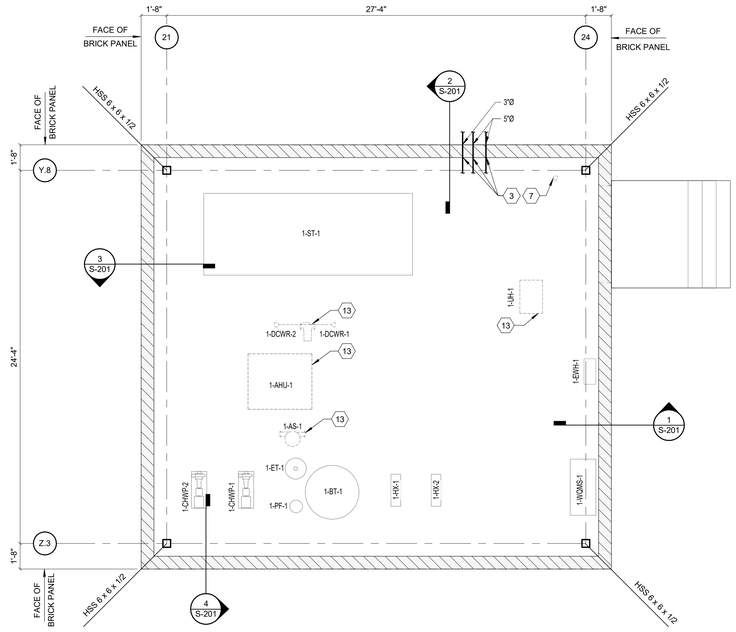
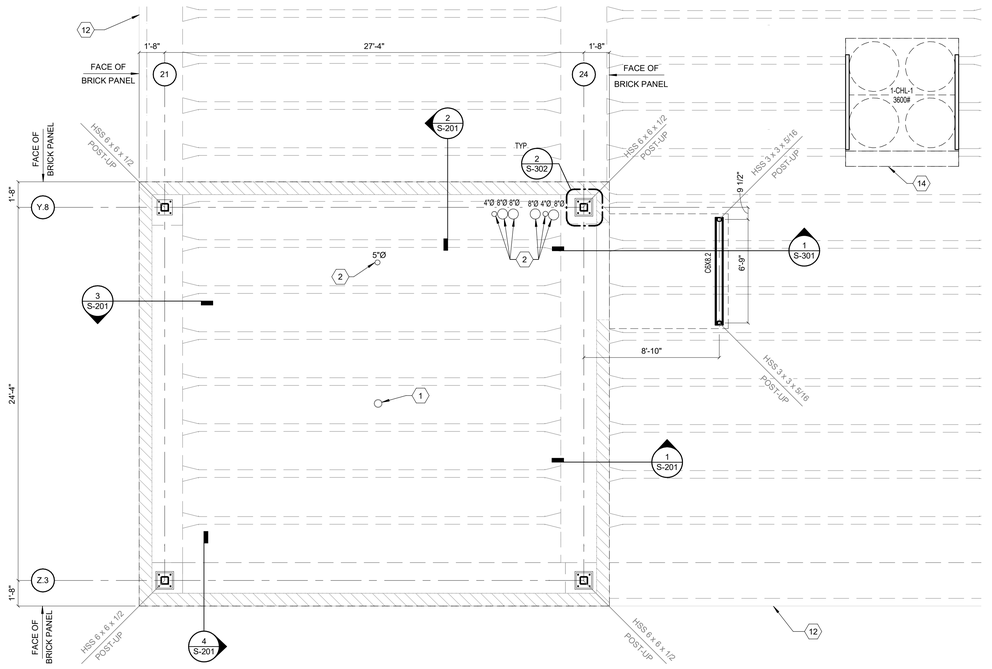


1-CHL-1

3 PENTHOUSE WALL PLAN

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

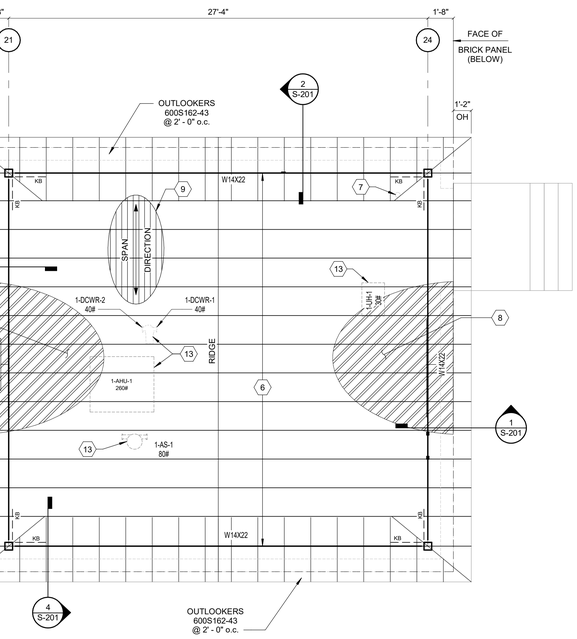
0 4 8 16 NORTH



1 ROOF FRAMING PLAN

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

0 4 8 16 NORTH



1-CHL-1

4 PENTHOUSE ROOF PLAN

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

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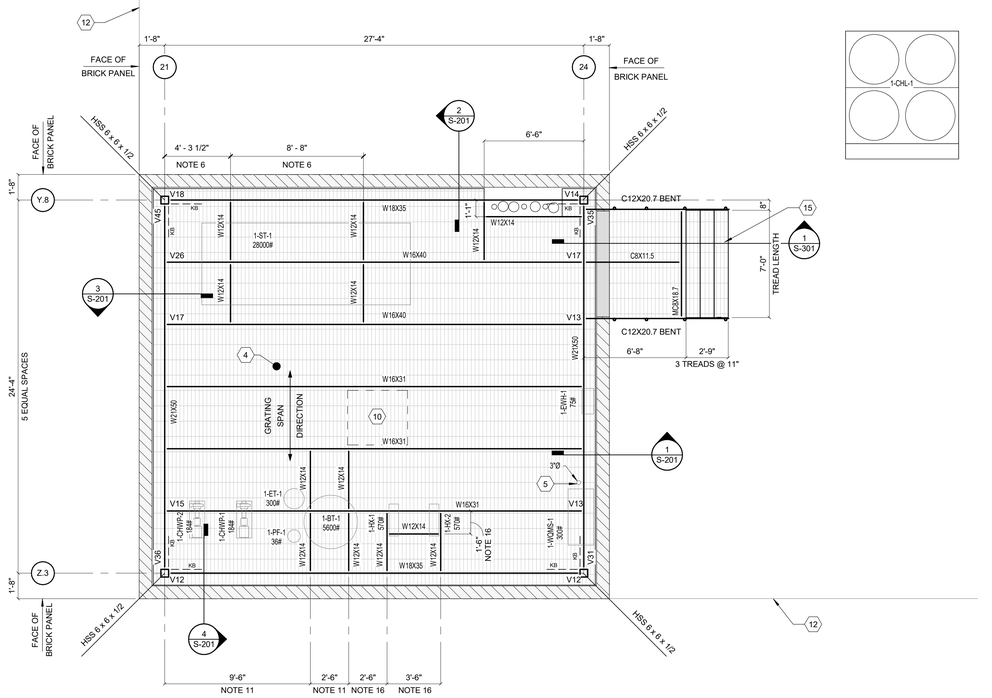


2 PENTHOUSE FLOOR FRAMING PLAN

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

0 4 8 16 NORTH

SHEET NOTES:

A. EXISTING REFERENCED T/O ROOF SLAB ELEV. (38'- 3 1/2").

B. T/O GRATING ELEV (41' - 3 1/2").

C. ALL STRUCTURAL STEEL TO BE HOT-DIPPED GALVANIZED.

D. "KB" DENOTES HSS 3 x 3 x 3/8 KNEE BRACE. SEE DETAIL 4/S302.

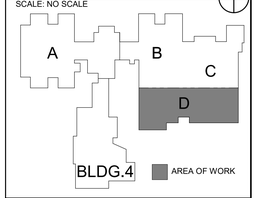
E. TRUSS BRG ELEV. (+ 53' - 3 1/2").

F. ALL EQUIPMENT LESS THAN 100 PSF CAN BE FLOOR MOUNTED.

(#) KEY NOTES:

1 EXISTING ROOF DRAIN TO REMAIN.
2 CORE DRILL EXISTING SLAB FOR NEW PIPE PENETRATIONS. SEE PLAN FOR MINIMUM PENETRATION DIAMETER. CONTRACTOR TO COORDINATE EXACT LOCATIONS TO AVOID CUTTING OR DAMAGING EXISTING ROOF JOIST SYSTEMS. SEE DETAIL 1/S302
3 WALL PENETRATIONS 8"Ø MAX.
4 GRATING TO BE TYPE 19/W4 WITH 1 1/4" x 3/16" BEARING BARS. GRATING TO BE HOT-DIPPED GALVANIZED. ATTACH TO SUPPORTS WITH REMOVABLE GALV. CLIPS @ 24" o.c. MAX (MIN 2 CLIPS PER PANEL).
5 PENETRATIONS IN METAL GRATE FLOORING.
6 PRE-ENGINEERED CRSF TRUSSES @ 2' - 0" O.C. (DEFERRED SUBMITTAL).
7 4" VENT UP THROUGH ROOF
8 PRE-ENGINEERED DORMER (SEE ARCHITECTURAL)
9 ROOF DECK SHALL BE 1.5WR22 (G60). SEE DETAIL 5/S-302
10 PROVIDE REMOVABLE GRATING ACCESS PANEL. COORDINATE LOCATION W/ CONTRACTOR
11 COORDINATE BEAM LOCATIONS WITH BUFFER TANK MANUFACTURER.
12 FACE OF EXISTING BRICK BELOW.
13 EQUIPMENT TO BE SUPPORTED BY ROOF TRUSSES ABOVE.
14 THE MOUNTING BASE RAIL (LONG DIRECTION WITH 100.2" LENGTH) MUST BE PERPENDICULAR TO THE EXISTING CONCRETE JOISTS.
15 GRATING OF THE TREADS TO BE TYPE 19W4 WITH 2 1/2" x 3/16" BEARING BARS. GRATING TO BE HOT-DIPPED GALVANIZED.
16 COORDINATE BEAM LOCATIONS WITH HEAT EXCHANGER UNIT MANUFACTURER.

KEY PLAN
SCALE: NO SCALE



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#	Revisions:	Date

CONSULTANTS:

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 052983 Hashem Dor Mohammadi DORMOHAMMADI
7/18/2025

PROJECT MANAGER
ACG Project Number 23-039

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Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: PENTHOUSE PLANS
Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1
VA PROJECT NUMBER: 619-23-105
Building Number: # 1
Approved
Date: JULY 16, 2025 | Checked: HD | Drawn: BN
Drawing Number: S-101
Dwg 2 of 5

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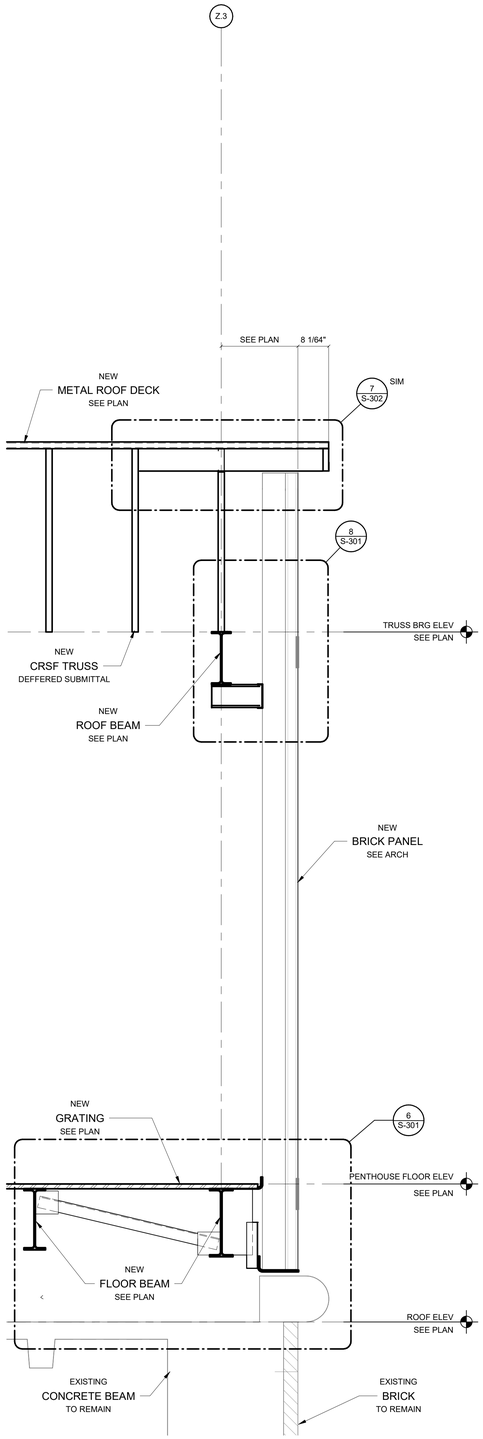

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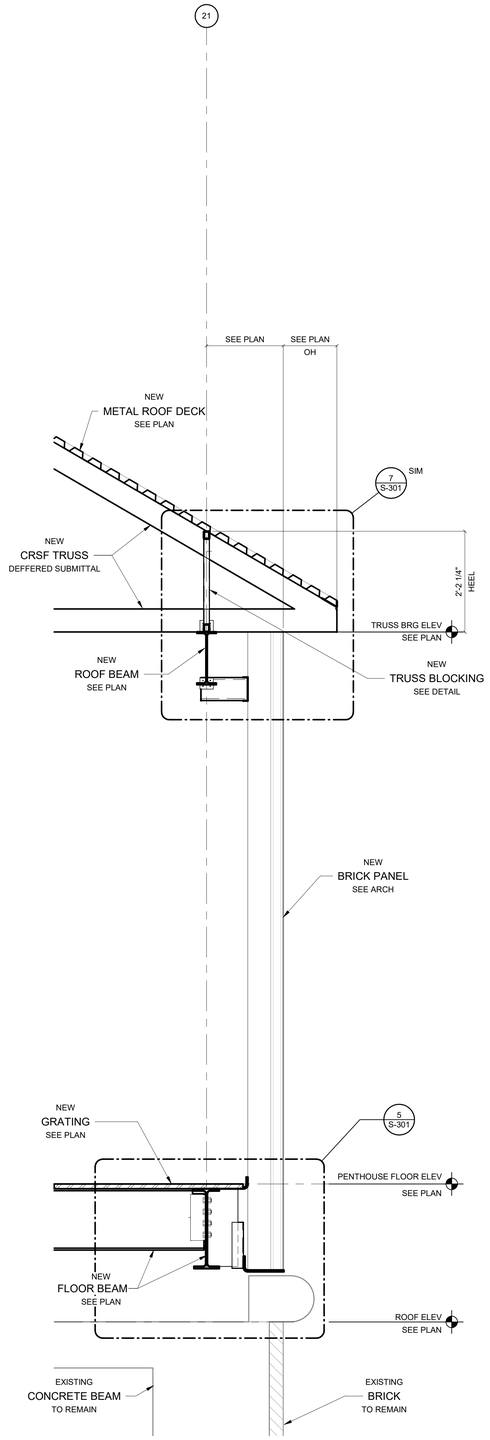

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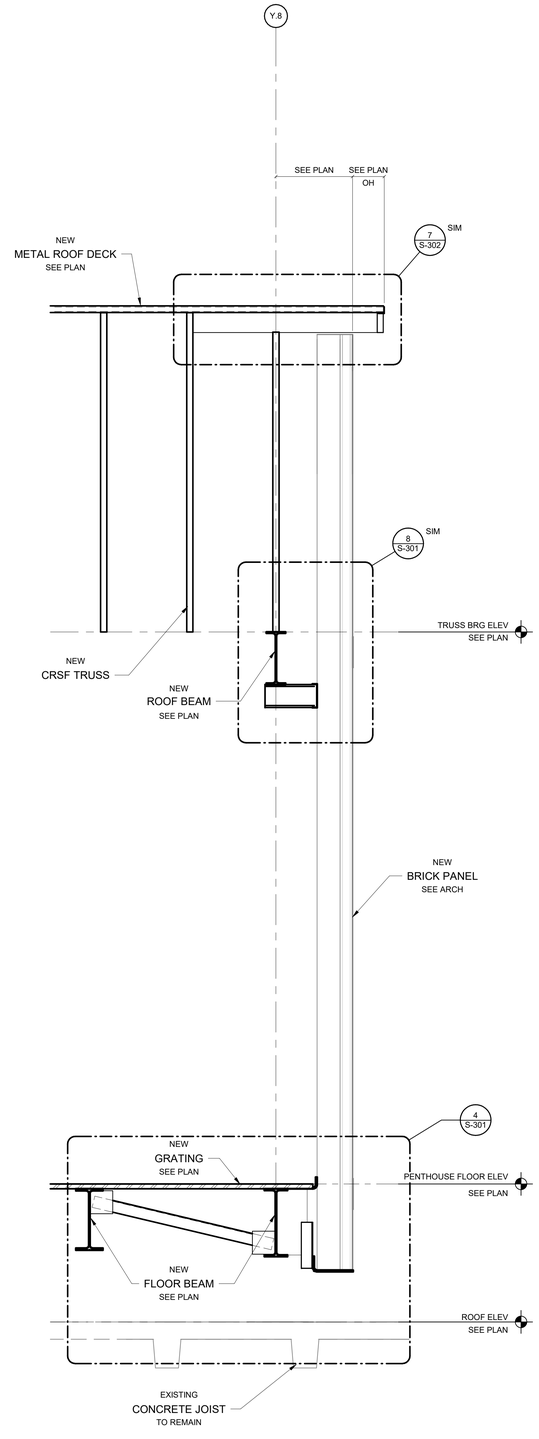

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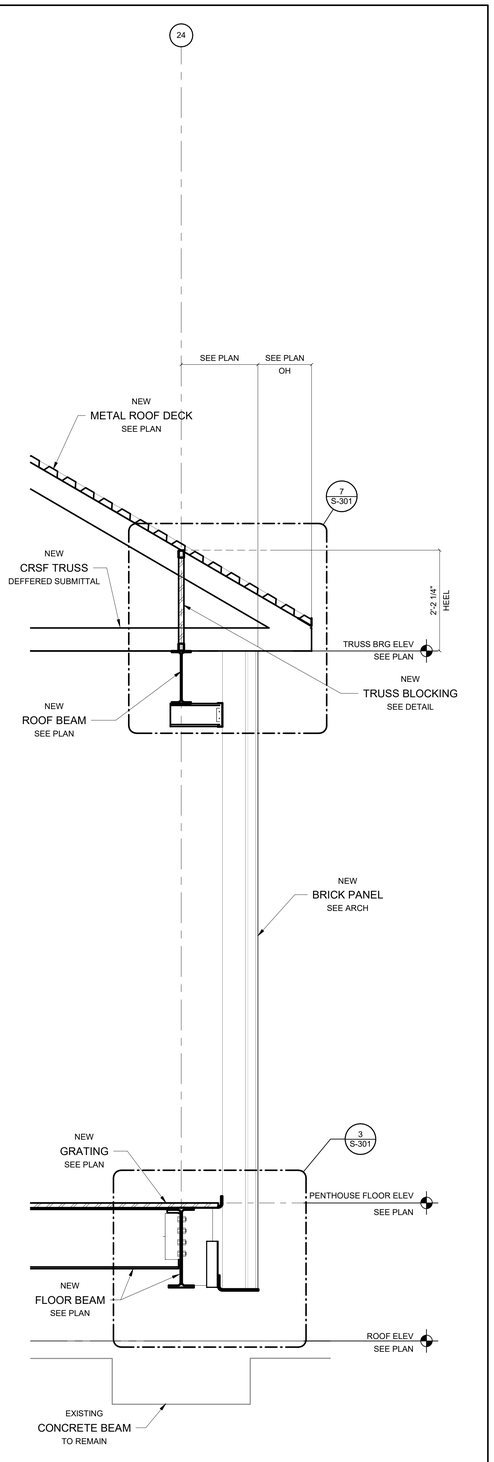

1 SECTION
Scale: 3/4" = 1'-0"

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#	Revisions:	Date

CONSULTANTS:

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 052983 Hossein DorMohammadi ENGINEER HOSSEIN DORMOHAMMADI
7/18/2025

PROJECT MANAGER

ACG Project Number 23-039

APOGEE Engineers | Architects
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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: WALL SECTIONS

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Approved:

Date: JULY 16, 2025 | Checked: HD | Drawn: BN

Drawing Number: S-201

Dwg 3 of 5

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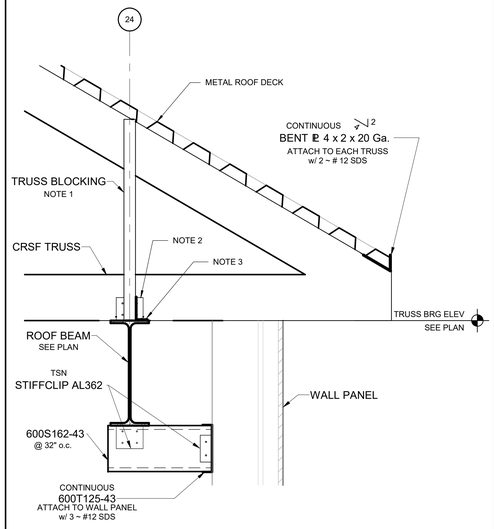
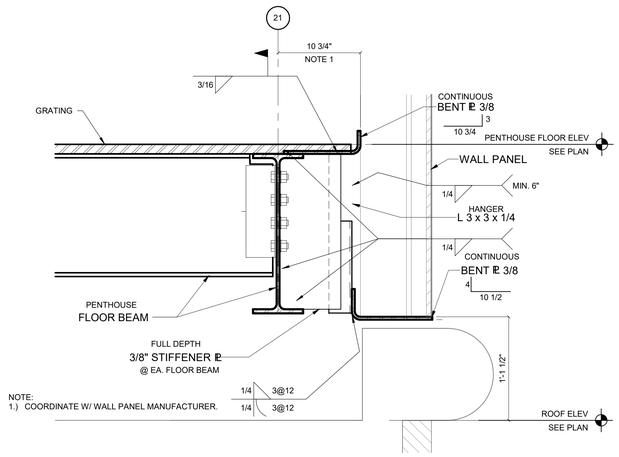


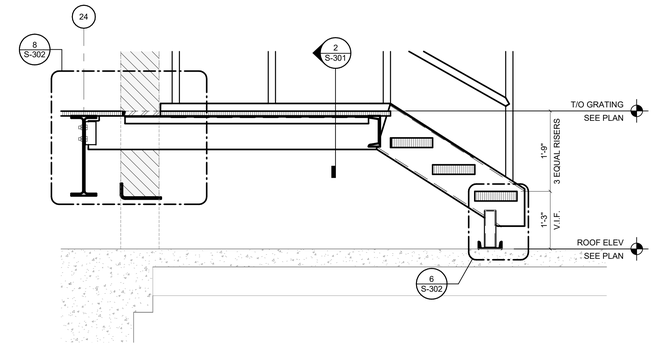
NOTES:
1.) DESIGN ALL TRUSS BLOCKING FOR 140 PLF (FACTORED)
2.) TSN AL362 ATTACH TO STEEL BEAM w/ 2 ~ 0.157 Ø PAF'S ATTACH TO TRUSS w/ 4 ~ #12 SDS.
3.) TSN AL362 ATTACH TO TRUSS BLOCKING w/ 4 ~ #12 SDS ATTACH TO STEEL BEAM w/ 2 ~ 0.157" Ø PAF'S.

7 SECTION
Scale: 1 1/2" = 1'-0"

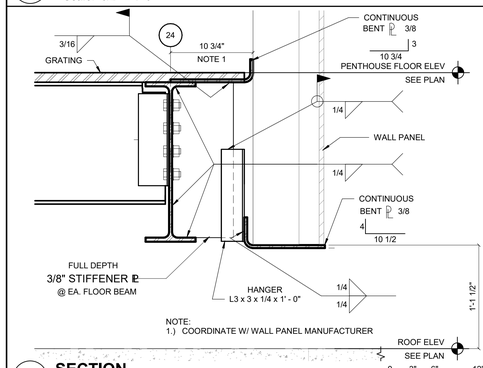


NOTE:
1.) COORDINATE W/ WALL PANEL MANUFACTURER.

5 SECTION
Scale: 1 1/2" = 1'-0"

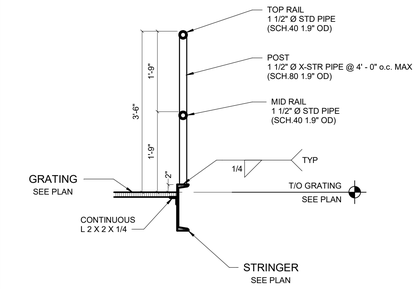


1 SECTION
Scale: 3/4" = 1'-0"

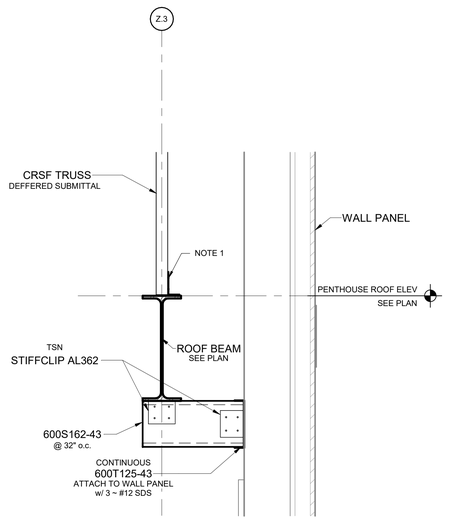


NOTE:
1.) COORDINATE W/ WALL PANEL MANUFACTURER

3 SECTION
Scale: 1 1/2" = 1'-0"

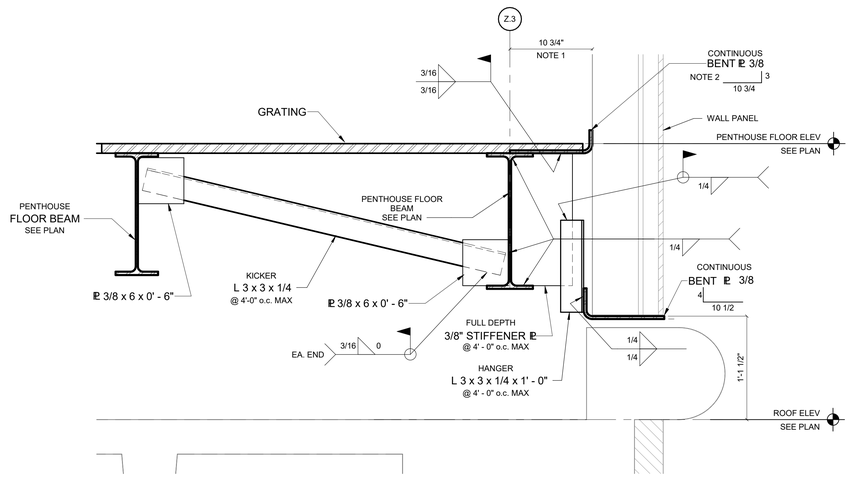


2 Section 10
Scale: 3/4" = 1'-0"



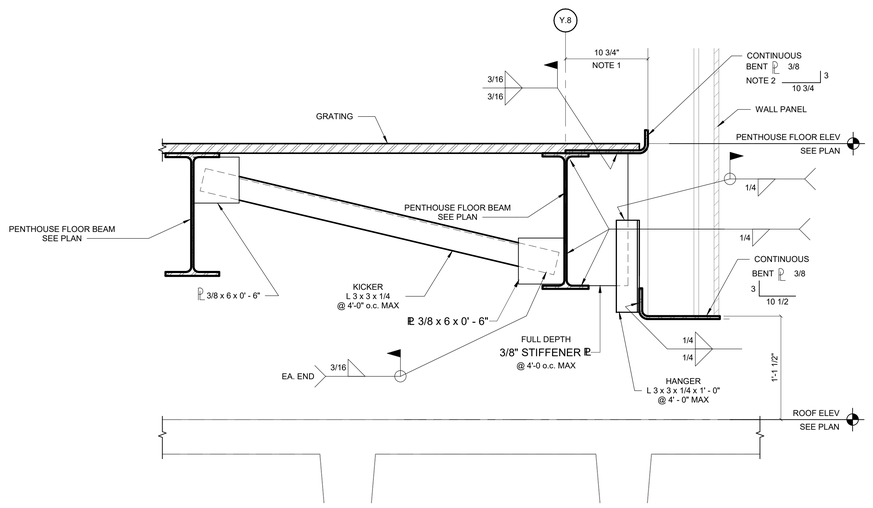
NOTES:
1.) TSN AL362 ATTACH TO STEEL BEAM w/ 2 ~ 0.157 Ø PAF'S ATTACH TO TRUSS w/ 4 ~ #12 SDS.

8 SECTION
Scale: 1 1/2" = 1'-0"



NOTES:
1.) COORDINATE W/ WALL PANEL MANUFACTURER.
2.) ATTACH BENT ℄ TO WALL PANEL w/ 2 ~ #12 SDS @ EA. STUD.

6 SECTION
Scale: 1 1/2" = 1'-0"



NOTES:
1.) COORDINATE W/ WALL PANEL MANUFACTURER.
2.) ATTACH BENT ℄ TO WALL PANEL w/ 2 ~ #12 SDS @ EA. STUD.

4 SECTION
Scale: 1 1/2" = 1'-0"

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#	Revisions:	Date

CONSULTANTS:

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 052983 Hossein Dorn Mohammadi ENGINEER... HOSSEIN DORNMOHAMMADI
7/18/2025

PROJECT MANAGER
ACG Project Number 23-039

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: DETAILS

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Approved:

Date: JULY 16, 2025 | Checked: HD | Drawn: BN

Drawing Number: S-301

Dwg 4 of 5

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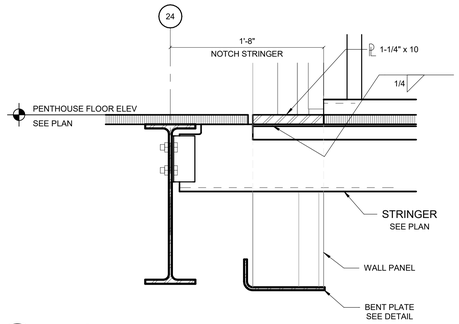

8 DETAIL
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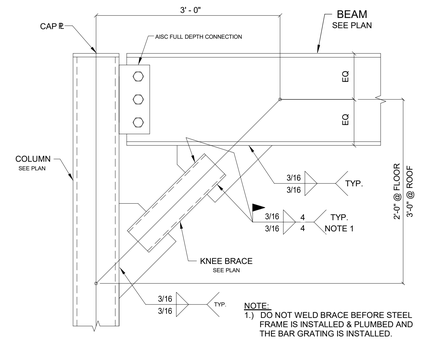
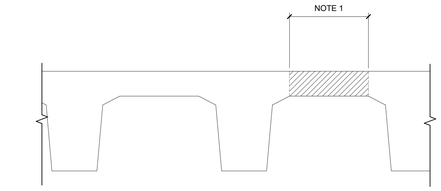


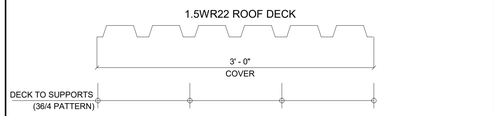
NOTE:
1.) DO NOT WELD BRACE BEFORE STEEL FRAME IS INSTALLED & PLUMBED AND THE BAR GRATING IS INSTALLED.

4 DETAIL
Scale: No Scale



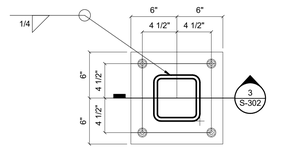
NOTES:
1.) PENETRATION THROUGH EXISTING SLAB PERMITTED IN INDICATED REGION ONLY.

1 DETAIL
Scale: No Scale



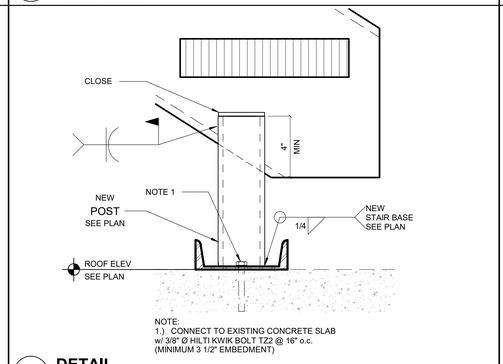
NOTES:
1.) ATTACH DECK TO SUPPORTS w/ #10 SCREWS.
2.) ONE ~ SIDELAP FASTENERS REQUIRED FOR EACH DECK SPAN. SIDELAP FASTENERS SHALL BE #10-16 SCREWS OR APPROVED ALTERNATIVE.
3.) DECK SHALL BE CONTINUOUS OVER THREE SPANS MINIMUM.
4.) MINIMUM DECK PROPERTIES
Ip = 0.155 in^4/ft
Sp = 0.186 in^3/ft
In = 0.183 in^4/ft
Sn = 0.192 in^3/ft
Va = 1818 plf
Fy = 33 ksi

5 DETAIL
Scale: No Scale



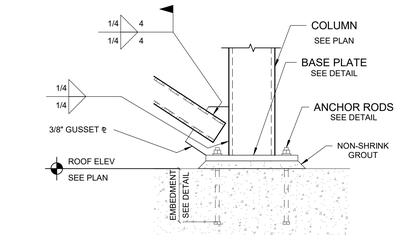
BP1
BASE ℄ 3/4" x 1' - 0" x 1' - 0"
w/ 4 ~ 1/2"Ø HILTI HAS-E RODS
INSTALL USING HILTI HIT-HY 200
ADHESIVE SYSTEM (EMBED = 6" MIN)

2 DETAIL
Scale: No Scale

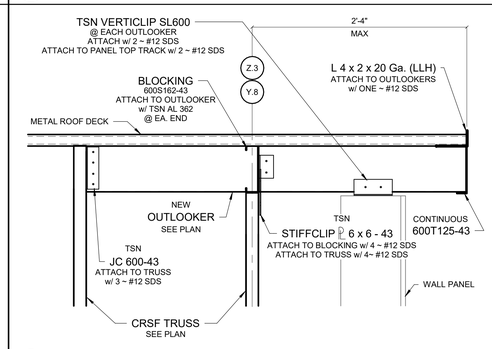


NOTE:
1.) CONNECT TO EXISTING CONCRETE SLAB w/ 3/8" Ø HILTI KWIK BOLT TZ2 @ 16" o.c. (MINIMUM 3 1/2" EMBEDMENT)

6 DETAIL
Scale: No Scale



3 DETAIL
Scale: No Scale



7 SECTION
Scale: 1 1/2" = 1'-0"

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#	Revisions:	Date

CONSULTANTS:

NORTH CAROLINA PROFESSIONAL Nasser Dor Mohammadi SEAL 052983 ENGINEER NASSER DORMOHAMMADI
7/18/2025

PROJECT MANAGER
ACG Project Number 23-039

APOGEE Engineers | Architects

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Office of Construction and Facilities Management

VA | U.S. Department of Veterans Affairs

Drawing Title: DETAILS

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Approved:

Date: JULY 16, 2025 | Checked: HD | Drawn: BN

Drawing Number: S-302

Dwg 5 of 5

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ARCHITECTURAL SYMBOL LEGEND

(#)	TYPICAL KEYNOTE	101	DOOR NUMBER	12 / 6	ROOF PITCH SYMBOL
#	DEMOLITION KEYNOTE	MATL 1'-0"	CEILING/ SOFFIT HEIGHT	(#)	WINDOW TYPE

G_ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
ACP/APC	ACOUSTIC CEILING PANEL/ ACOUSTIC PANEL CEILING
ACT	ACOUSTIC(AL) TILE
ADJ	ADJUSTABLE
ADT'L	ADDITIONAL
AGG	AGGREGATE
ALT	ALTERNATE
AL	ALUMINUM
APPROX	APPROXIMATE(LY)
ASPH	ASPHALT
AUTO	AUTOMATIC
B/O	BOTTOM OF
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BOT	BOTTOM
BOD	BASIS OF DESIGN
BRG	BEARING
℄	CENTERLINE
C/C	CENTER TO CENTER
CJ	CONTROL JOINT
CLL	CONTRACT LIMIT LINE
CEM	CEMENT(ITIOUS)
CMU	CONCRETE MASONRY UNIT
CLG	CEILING
CLR	CLEAR
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CPT	CARPET
CT	CERAMIC TILE
CTR	CENTER(ED)
DF	DRINKING FOUNTAIN
DS	DOWNSPOUT
DBL	DOUBLE
DEG	DEGREE
DEMO	DEMOLITION
DET/DTL	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DWG(S)	DRAWING(S)
E	EAST
EC	ELECTRICAL CONTRACTOR
EHO	ELECTRICAL HOLD OPEN
EJ	EXPANSION JOINT
EW	EACH WAY
EA	EACH
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
EMER	EMERGENCY
EQ	EQUAL
EQUIP	EQUIPMENT
EXIST	EXISTING
EXT	EXTERIOR
EWC	ELECTRIC WATER COOLER
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FFE	FINISH FLOOR ELEVATION
FV	FIELD VERIFY
FEC	FIRE EXTINGUISHER CABINET
FDN	FOUNDATION
FIN	FINISH
FLSHG	FLASHING
FLR	FLOOR
FRMG	FRAMING
FRT	FIRE RETARDANT TREATED
FT	FOOT/FEET
FTG	FOOTING
GC	GENERAL CONTRACTOR
GA	GAUGE
GALV	GALVANIZED
GEN	GENERAL
GYP	GYPSUM
HM	HOLLOW METAL
HDWR	HARDWARE
HOL	HOLLOW
HOR	HORIZONTAL
HT	HEIGHT
HVAC	HEATING/VENTILATION/AIR CONDITIONING
ID	INSIDE DIAMETER
IN	INCH
INCL	INCLUDING
INSUL	INSULATION
INT	INTERIOR
JAN	JANITOR
JT	JOINT
LAV	LAVATORY
LB(S)	POUND(S)
L/S	LANDSCAPE
LT	LIGHT
MO	MASONRY OPENING
MAS	MASONRY
MAT'L	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTD	MOUNTED
MTL	METAL
N	NORTH
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
NOM	NOMINAL
OC	ON CENTER
OD	OUTSIDE DIAMETER
O TO O	OUT TO OUT
OPNG	OPENING
OPP	OPPOSITE
OVHD	OVERHEAD
PEB	PRE-ENGINEERED BUILDING
PJF	PREFORMED JOINT FILLER
PT	PRESSURE TREATED
PERIM	PERIMETER
PL	PLATE
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLYWD	PLYWOOD
PNT	PAINT
PR	PAIR
PTD	PAINTED
PWR	POWER
RB	RUBBER BASE
RD	ROOF DRAIN
RO	ROUGH OPENING
RAD	RADIUS
REC	RECESSED
REINF	REINFORCED
REQ'D	REQUIRED
REV	REVISED (REVISION)
RM	ROOM
S	SOUTH
SB	SPLASH BLOCK
SF	SQUARE FEET
SS	STAINLESS STEEL
SIM	SIMILAR
SPEC	SPECIFICATIONS
SQ	SQUARE
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPENDED
T&G	TONGUE AND GROOVE
T/O	TOP OF
TELE	TELEPHONE
TRTD	TREATED
TS	TUBE STEEL
TYP	TYPICAL
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
VCT	VINYL COMPOSITION TILE
VIF	VERIFY IN FIELD
VERT	VERTICAL
W	WEST
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WWF	WELDED WIRE FABRIC
WD	WOOD
WH	WATER HEATER
WT	WEIGHT

GENERAL NOTES

1. INDICATIONS OF PROJECT LIMITS OR LINES OF DEMARCATION ARE SHOWN FOR GENERAL SCOPE DEFINITION AND REFLECT THE UNDERSTANDING OF THE DESIGNERS AS TO THE LIMITATIONS OF THE WORK AREA. ACTUAL CONTRACT LIMITS ARE TO BE DETERMINED BY AGREEMENT BETWEEN THE COR/VA AND THE CONTRACTOR BEFORE THE START OF THE WORK.
2. DRAWINGS ARE PREPARED USING PRODUCT DIMENSIONS AND DETAILS FROM THE BASIS OF DESIGN PRODUCT. PRODUCTS MAY CHANGE IN DIMENSION AND DETAIL BEFORE THEY ARE INCORPORATED INTO WORK. PRODUCTS FROM OTHER MANUFACTURER'S ARE ALSO ACCEPTABLE. DIMENSIONS AND DETAILS FOR ALTERNATE PRODUCTS MAY VERY FROM BASIS OF DESIGN. CONTRACTOR SHALL VERIFY INSTALLATION REQUIREMENTS FOR ALL PRODUCTS TO BE INCORPORATED INTO WORK (INCLUDING THICKNESS FOR RECESSED OR SEMI-RECESSED PRODUCTS) AND IS RESPONSIBLE FOR ACCOMMODATING AND COORDINATING CHANGES TO OTHER MATERIALS OR PRODUCTS THAT ARE NECESSARY BECAUSE OF THESE DIFFERENCES.
3. THE DRAWINGS AND SPECIFICATIONS ARE SEPARATED INTO DISCIPLINES FOR CONVENIENCE. THE SEPARATIONS ARE USED ONLY FOR THE PURPOSES OF CONVENIENCE AND REFERENCE AND IN NO WAY DO THEY DEFINE OR LIMIT THE SCOPE OR INTENT OF ANY PART OF THE DRAWINGS AND SPECIFICATIONS AS A WHOLE. THE FACT THAT THE DRAWINGS ARE SEPARATED IN NO WAY SUGGESTS THAT THE WORK IS NOT TO BE CONSTRUCTED AS A COMPLETE, INTEGRATED AND UNIFIED WHOLE.
4. THE DRAWINGS AND SPECIFICATIONS, INCLUDING DRAWINGS PREPARED BY SPECIFIC ENGINEERING DISCIPLINES ARE COMPLEMENTARY; ITEMS SHOWN IN ANY ONE LOCATION IN THE DRAWINGS SHALL BE CONSIDERED TO BE REQUIREMENTS OF THE CONTRACT FOR CONSTRUCTION. IN THE EVENT OF AN INCONSISTENCY BETWEEN THE DRAWINGS AND SPECIFICATIONS, OR WITHIN EITHER DOCUMENT, THE CONTRACTOR SHALL SEEK CLARIFICATION OR INTERPRETATIONS FROM THE COR/VA PRIOR TO BIDDING. WHERE INCONSISTENCIES ARE NOT CLARIFIED PRIOR TO BIDDING, AND WHERE THE ACTUAL SOLUTION OR INTENT CANNOT BE REASONABLY INFERRED, THE CONTRACTOR SHALL PROVIDE THE BETTER QUALITY OR GREATER QUANTITY OF WORK.
5. THE CONTRACTOR SHALL NOTIFY THE COR IMMEDIATELY SHOULD DISCREPANCIES BE FOUND IN THE DRAWINGS AND SPECIFICATIONS.
6. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING ALL FIELD CONDITIONS (BOTH EXPOSED AND CONCEALED) AND DIMENSIONS AS THEY RELATE TO THIS PROJECT, FOR EACH PHASE. SHOULD DISCREPANCIES EXIST BETWEEN THE WORK INDICATED AND ACTUAL FIELD CONDITIONS, NOTIFY THE COR/VA PRIOR TO PROCEEDING WITH THE WORK.
7. COORDINATE WORK OF ALL TRADES PRIOR TO STARTING CONSTRUCTION. MECHANICAL DUCTWORK & EQUIPMENT SHALL HAVE PRIORITY OVER OTHER DISCIPLINES FOR INSTALLATIONS & ROUTING. COORDINATE UTILITIES, SO THAT THEY ARE INSTALLED IN AND ORDERLY AND UNIFORM MANNER.
8. COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES.
9. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL CONSTRUCTION PERMITS.
10. CONTRACTOR SHALL PREPARE A PLAN SHOWING LAYDOWN AREA, SECURITY FENCE, DUMPSTER LOCATION, SCAFFOLDING, AND ACCESS FOR COR/VA REVIEW AND APPROVAL.
11. PROVIDE METAL BACKING AT WALLS AS REQUIRED FOR MOUNTING OF WALL-MOUNTED ITEMS, INCLUDING BUT NOT LIMITED TO WALL PROTECTION, SHELVING, CASEWORK, EQUIPMENT, PLUMBING, ETC. CUT AND PATCH GYP BD IN EXISTING WALLS FOR INSTALLATION OF NEW METAL BACKING WHERE REQUIRED. PROVIDE METAL BACKING IN WALLS AT WATER CLOSET LOCATIONS FOR GRAB BAR INSTALLATION WHETHER GRAB BARS ARE INDICATED OR NOT.
12. SEE REFLECTED CEILING PLAN FOR LOCATIONS OF CUBICLE CURTAIN TRACKS. PROVIDE CONTINUOUS METAL BACKING ABOVE CEILING FOR CURTAIN TRACK ANCHORAGE.
13. PROVIDE SUPPLEMENTAL FRAMING AT WALL OPENINGS INCLUDING KING STUDS, JACK STUDS, AND CRIPPLE STUDS, AS REQUIRED FOR COMPLETION OF THE WORK.
14. PROVIDE STRUCTURAL SUPPORTS ABOVE CEILING WHERE REQUIRED FOR CEILING HUNG EQUIPMENT.
15. FURR OUT AROUND COLUMNS, PIPES, UTILITIES, ETC., WITH THE MINIMUM DEPTH NECESSARY TO CONCEAL PIPES.
16. CLEAN PAINT OFF ALL NEW AND EXISTING FIRE LABELS IN SCOPE OF WORK TO ALLOW READABILITY.
17. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.
18. ALL PRESSURE TREATED WOOD SHALL BE ISOLATED FROM METAL DECK AND / OR METAL STUDS TO PREVENT CORROSION. ALL FASTENERS IN PRESSURE TREATED WOOD SHALL BE STAINLESS STEEL.
19. PROVIDE SEALANT AT ALL INTERSECTIONS / JOINTS BETWEEN DIFFERENT MATERIALS.
20. ALL ITEMS AND MATERIALS SHOWN, INDICATED, OR REQUIRED FOR A COMPLETE PROJECT SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR (UNO).
21. DO NOT SCALE THE DRAWINGS. DRAWING SCALES AS INDICATED ARE FOR REFERENCE ONLY AND ARE NOT INTENDED TO ACCURATELY DEPICT ACTUAL OR DESIGNATED CONDITIONS. WRITTEN DIMENSIONS SHALL GOVERN
22. COORDINATE WORK OF ALL TRADES PRIOR TO STARTING CONSTRUCTION.
23. REFER TO ALL OTHER TRADE DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION ON THIS PROJECT.
24. PROVIDE BACKING AT PARTITIONS AS REQUIRED FOR MOUNTING OF WALL-MOUNTED ITEMS: PROVIDE SUPPLEMENTAL FRAMING AT WALL OPENINGS INCLUDING KING STUDS, JACK STUDS, AND CRIPPLE STUDS, AS REQUIRED FOR COMPLETION OF THE WORK.
25. DIMENSIONS SHOWN ARE TO FACE OF FINISHED PARTITION, FACE OF CONCRETE/MASONRY WALLS, OR FINISHED FACE OF EXISTING WALL SURFACE.

RENOVATION

1. PROTECT EXISTING ITEMS, EQUIPMENT, FINISHES, ETC. TO REMAIN. REPAIR / REPLACE / RESTORE, CONDITIONS THAT ARE DAMAGED OR DISTURBED AS A RESULT OF DEMOLITION OR NEW WORK.
2. CONTRACTOR SHALL MINIMIZE DOWNTIME ASSOCIATED WITH SCHEDULED SHUTDOWNS. COORDINATE WITH COR/VA.

DEMOLITION NOTES

GENERAL

1. KEYNOTES AND DRAWINGS ARE INTENDED TO GRAPHICALLY REPRESENT GENERAL WORK AND DO NOT PORTRAY THE FULL SCOPE OF THE PROJECT. SEE SPECIFICATIONS FOR DETAILED REQUIREMENTS. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF PROVIDING ALL DEMOLITION REQUIRED FOR COMPLETION OF THE PROJECT.
2. REMOVE EXISTING CONSTRUCTION AS DESIGNATED AND CLEAR AREA OF DEBRIS PRIOR TO PROCEEDING WITH NEW CONSTRUCTION.
3. VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK. NOTIFY COR/VA AND ARCHITECT OF ANY CONFLICTS PRIOR TO PROCEEDING WITH DEMOLITION.
4. COORDINATE WITH COR/VA FOR WORKING HOURS ALLOWED FOR DEMOLITION AND WASTE REMOVAL.
5. COORDINATE WITH COR/VA FOR SCHEDULED USE OF CONSTRUCTION ACCESS ROUTES (INCLUDING USE OF FREIGHT ELEVATOR IF REQUIRED), TRANSPORTATION, AND LOCATIONS OF ITEMS SUCH AS DUMPSTERS.
6. COORDINATE WITH COR/VA FOR ANY DOWNTIME ON ALL BUILDING SYSTEMS. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS OF EXISTING UTILITIES.
7. CONDUCT DEMOLITION TO MINIMIZE INTERFERENCE WITH VA'S NORMAL OPERATION AND WITH ADJACENT BUILDING AREAS.
8. ALL DEMOLITION WORK SHALL BE PERFORMED WITH DUE CARE AND DILIGENCE IN ORDER TO PREVENT ARBITRARY DAMAGE OR INTERRUPTIONS OF SERVICE OR CONCEALED UTILITIES INTENDED TO REMAIN IN SERVICE (INCLUDING FIRE PROTECTION). DISCOVERY OF UTILITIES OR CONDITIONS DIFFERING FROM THOSE INDICATED OR THAT ARE NOT IDENTIFIED, SHALL BE REPORTED TO THE COR/VA.
9. DO NOT ENCROACH ON ADJACENT OCCUPIED AREAS NOT IDENTIFIED WITHIN THE SCOPE OF THE PROJECT (UNO).
10. RECORD EXISTING CONDITIONS BY USE OF ANY COMBINATION OF MEASURED DRAWINGS AND PRECONSTRUCTION PHOTOGRAPHS.
11. CONTRACTOR SHALL NOTIFY COR/VA OF ANY AREA REQUIRING DEMOLITION OTHER THAN SHOWN IN THESE DRAWINGS DUE TO UNFORESEEN CONDITIONS, TO ACCOMMODATE INSTALLATION OF ALL OTHER TRADES (INCLUDING ROOF PENETRATIONS, ELECTRICAL, OR DATA). AFTER SUCH DEMOLITION AND INSTALLATION, PATCH / REPAIR MATERIALS AND FINISHES TO MATCH EXISTING.
12. CONTRACTOR SHALL PROTECT AREA ADJACENT TO THE DEMOLITION AND NEW CONSTRUCTION WORK TO PREVENT DAMAGES. IF DAMAGED, PATCH / REPAIR. REPAIR OR REPLACE ITEMS DAMAGED DURING CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST.
13. AT AREAS INDICATED TO BE PATCHED AND REPAIRED FOR ADDITION AND RENOVATION PROJECTS, THE CONSTRUCTION AND ASSEMBLY OF THE PATCH / REPAIR SHALL MATCH THE ASSEMBLY AND INTEGRITY OF THE ADJACENT EXISTING CONSTRUCTION, FOR FIRE RATING, MATERIALS, FINISH, THICKNESS, AND QUALITY.
14. REFER TO STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, VENDOR DRAWINGS, AND SPECIFICATIONS FOR ADDITIONAL DEMOLITION ITEMS AND INFORMATION.
15. COORDINATE WITH COR/VA ON WHAT ITEMS ARE TO BE REMOVED, DISPOSED OF, SALVAGED, AND/OR REINSTALLED.
    - REMOVED & DISPOSED OF ITEMS: SHALL BE PROPERLY DISPOSED OF, OFF PROJECT GROUNDS.
    - COORDINATE WITH COR/VA.
    - REMOVED & SALVAGED ITEMS: SHALL BE CLEANED, PACKED OR CRATED AFTER CLEANING, AND LABELED TO IDENTIFY THE CONTENTS OF CONTAINERS. PROTECT AND TRANSPORT ITEMS TO VA STORAGE AREA.
    - REMOVED & REINSTALLED ITEMS: SHALL BE CLEANED AND REPAIRED TO FUNCTIONAL CONDITION ADEQUATE FOR INTENDED USE. PACKED OR CRATED AFTER CLEANING AND LABELED TO IDENTIFY THE CONTENTS OF THE CONTAINERS. PROTECT AND TRANSPORT ITEMS TO TEMPORARY STORAGE, REINSTALL ITEMS IN LOCATIONS INDICATED.
16. PATCH / REPAIR ALL MATERIALS AND SURFACES CUT OR DAMAGED DURING DEMOLITION WITH MEANS AND METHODS SO AS TO NOT TO VOID EXISTING WARRANTIES.
17. AFTER REMOVAL OF EXISTING CONCRETE OR CMU WALLS. FILL FLOOR VOIDS UP TO FINISH CONCRETE LEVEL AND PERFORM FLOOR LEVELING FOR ENTIRE AREA OF RENOVATION.
18. WHERE EXISTING CONSTRUCTION IS TO BE CUT OR REMOVED, PROVIDE SMOOTH AND STRAIGHT CUT JOINTS THAT ARE STRUCTURALLY SOUND. PATCH / REPAIR ADJACENT SURFACES TO MATCH EXISTING AND PROVIDE IMPERCEPTIBLE TRANSITION (UNO).
19. WHERE DEMOLITION WORK UNCOVERS OR LEAVES OPENINGS IN PARTITIONS / CEILINGS OR INCOMPLETE PARTITIONS / CEILINGS, EXTEND, RESTORE, AND/OR CLOSE OPENING IN PARTITIONS / CEILINGS AS INDICATED AND/OR AS REQUIRED TO MAINTAIN FIRE RATINGS. MATCH EXISTING CONSTRUCTION, (UNO), WITHIN THE LIMITS AND TOLERANCES FOR MATERIALS AS SPECIFIED OR RECOMMENDED BY THE MANUFACTURER. REFINISH SURFACES TO ALIGN FLUSH WITH EXISTING.
20. WHEREVER EXISTING EQUIPMENT, PIPING, DUCTS, ETC., ARE REQUIRED TO BE REMOVED, SUCH REMOVAL SHALL INCLUDE ALL ANCHORS, HANGERS, BRACING, FOUNDATIONS, ETC. AFTER REMOVAL, AFFECTED CONSTRUCTION AND SURFACES, SUCH AS FLOORS, WALLS, BASES, AND CEILINGS, SHALL BE FINISHED TO MATCH ADJACENT SURFACES (UNO).
21. CEASE OPERATIONS IMMEDIATELY IF THE STRUCTURE APPEARS TO BE IN DANGER AND NOTIFY THE COR/VA AND ARCHITECT/ENGINEER. DO NOT RESUME OPERATIONS UNTIL DIRECTED.
22. CONTRACTOR IS RESPONSIBLE FOR SHORING AND TEMPORARY SUPPORT OF STRUCTURE NECESSARY DUE TO DEMOLITION IN ORDER TO MAINTAIN THE INTEGRITY OF RELEVANT STRUCTURE. CONTRACTOR SHALL PROVIDE ENGINEERED PLANS FOR SHORING SIGNED AND SEALED BY REGISTERED ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED.
23. EXISTING EQUIPMENT REMOVED SHALL BE PROPERLY DISPOSED OF, OFF PROJECT GROUNDS. COORDINATE WITH COR.
24. ALL EXISTING SIGNAGE NOT BEING REUSED IN THE PROJECT TO BE HANDED OVER TO COR/VA DURING DEMOLITION.
25. THE INFORMATION CONTAINED IN THESE DEMOLITION DOCUMENTS DEFINES GENERAL SCOPE ONLY AND DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF PROVIDING ALL DEMOLITION REQUIRED FOR THE COMPLETION OF THE PROJECT.
26. BEFORE THE START OF WORK, IDENTIFY ANY REQUIRED DEMOLITION BEYOND THE IDENTIFIED PROJECT SCOPE WHETHER ABOVE, BELOW, OR OUTSIDE THE PROJECT AREA. NOTIFY AND COORDINATE WITH THE COR, PROVIDE DEMOLITION OF THESE AREAS AND PATCH THE SAME AS A PART OF THE SCOPE OF THE PROJECT.
27. ALL ITEMS BEING SALVAGED OR REMOVED SHALL REMAIN THE PROPERTY OF THE OWNER UNTIL CONFIRMATION HAS BEEN MADE AS TO WHETHER THE OWNER WILL RETAIN SUCH ITEMS. ALL ITEMS NOT BEING RETAINED BY THE OWNER OR DESIGNATED ON THE DRAWINGS, ARE TO BE RELOCATED OR REINSTALLED FROM THE SITE BY CONTRACTOR IN APPROVED MANNER.
28. COORDINATE WITH COR FOR CONSTRUCTION ACCESS ROUTE AND LOCATIONS OF DUMPSTER AREA. COORDINATE WITH COR FOR SCHEDULE OF USE OF ACCESS ROUTE FOR WASTE REMOVAL AND CONTRACTOR USE OF FREIGHT ELEVATOR (AS REQUIRED).
29. WHERE INSTALLATION OF NEW FIXTURES, EQUIPMENT, DEVICES, OR SYSTEMS REQUIRES REMOVAL OF EXISTING WALL SURFACE, CONTRACTOR SHALL COORDINATE THE EXTENT OF SUCH REMOVAL AND PATCH/ REPAIR THE EXISTING WALL AFTER INSTALLATION.

LIFE SAFETY

1. ALL NECESSARY PATHS OF EGRESS AND EXITS SHALL BE MAINTAINED, PROTECTED AND CLEAR, UNLESS AN ALTERNATIVE EGRESS PATH OR METHOD IS PROVIDED WHICH MEETS THE RELEVANT CODES.
2. DO NOT DISABLE OR DISRUPT ANY BUILDING FIRE OR LIFE SAFETY SYSTEMS WITHOUT PRIOR WRITTEN NOTICE TO THE COR/VA.

HAZARDOUS MATERIALS

1. IF HAZARDOUS MATERIALS ARE SUSPECTED OR ENCOUNTERED, IMMEDIATELY SUSPEND WORK IN AREA OF SUSPECTED CONTAMINATION, WITHDRAW FROM AREA, AND NOTIFY COR/VA AND ARCHITECT/ENGINEER IN WRITING.
2. CONTRACTOR SHALL COORDINATE WITH COR/VA AND/OR ARCHITECT/ENGINEER ON RESPONSIBILITY OF REMOVAL OF HAZARDOUS MATERIALS (KNOWN OR UNKNOWN) PRIOR TO CONTRACT.
3. COMPLY WITH REQUIREMENTS OF EPA, NATIONAL EMISSION STANDARDS, OSHA REGULATIONS, AND ALL OTHER APPLICABLE REGULATIONS ON HAZARDOUS MATERIALS.

FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

#	Revisions:	Date

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7/17/2025

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ACG Project Number 23-039

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ARCHITECTURAL SYMBOLS, ABBREVIATIONS AND NOTES

Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Approved:

Date: JULY 16, 2025 | Checked: JAB | Drawn: CET

Drawing Number: A-001

Dwg 1 of 7

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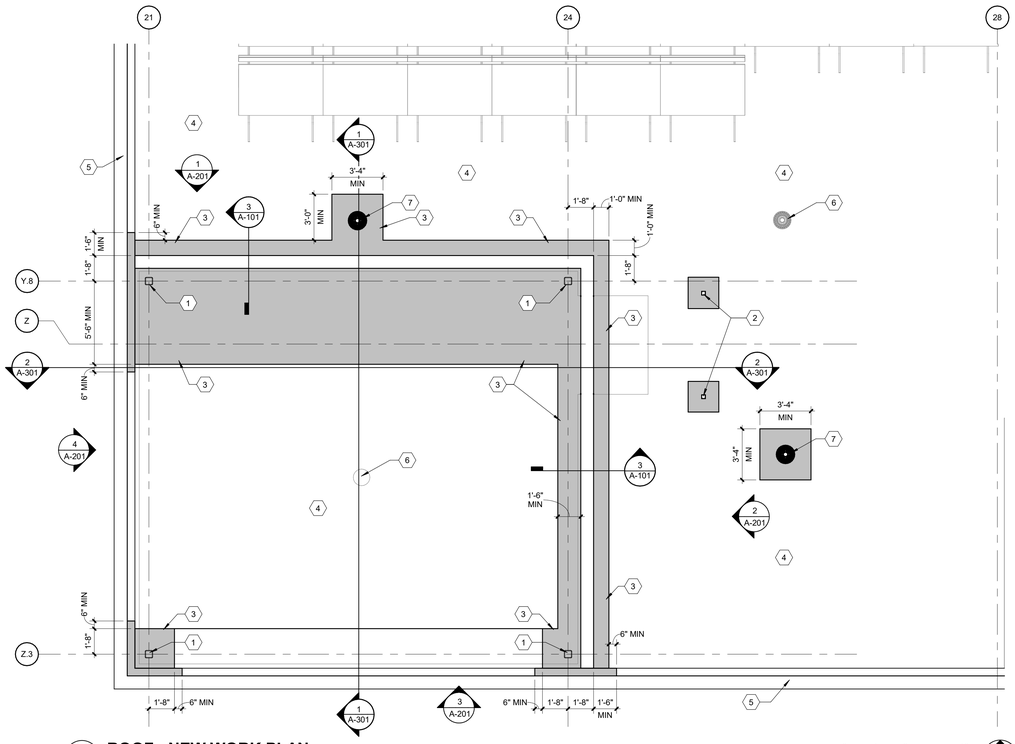
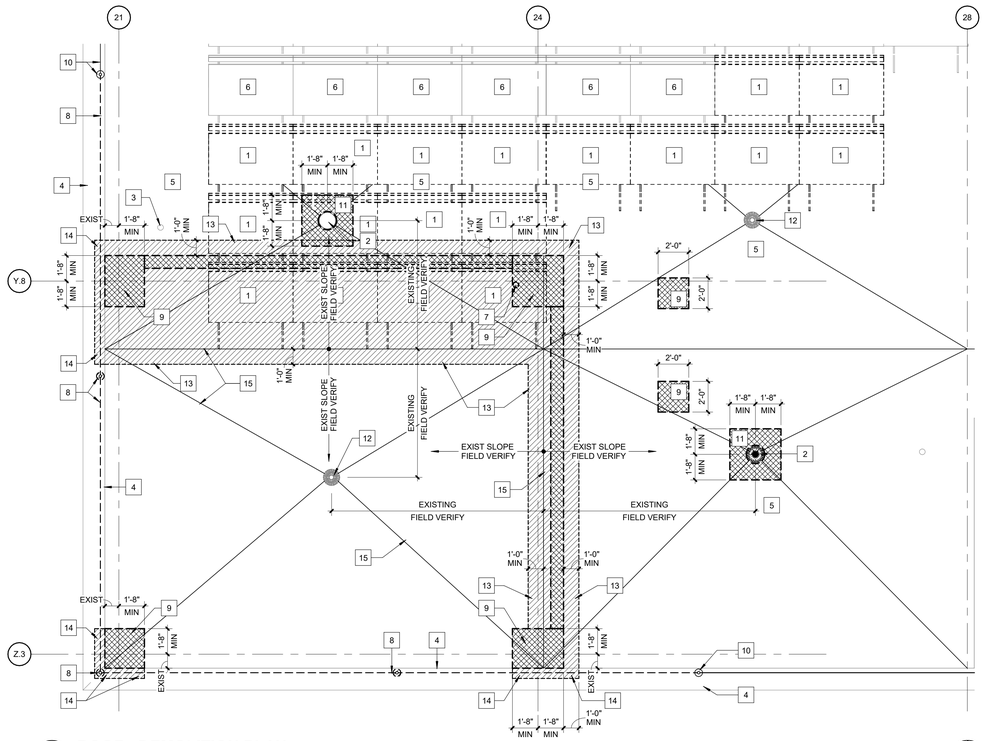


2 ROOF - NEW WORK PLAN

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

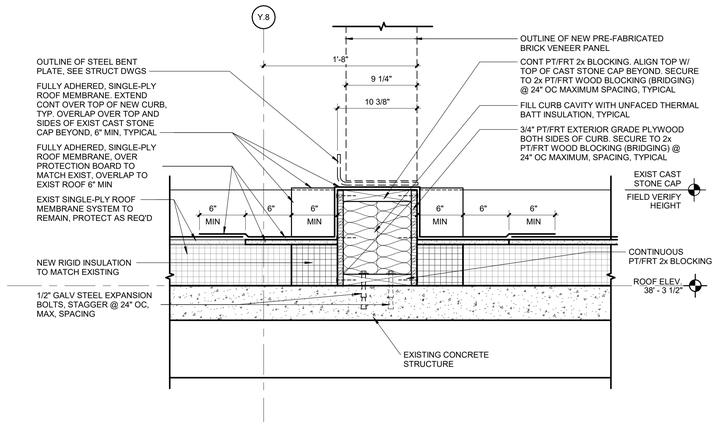
0 4 8 16 NORTH



1 ROOF - DEMOLITION PLAN

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

0 4 8 16 NORTH



3 SECTION AT NEW CURB

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

KEY NOTES:

1 CONTRACTOR TO REMOVE AND SALVAGE PHOTOVOLTAIC PANEL, RETURN TO VA FOR LATER REINSTALLATION. REFER TO ELECTRICAL DWGS FOR FURTHER INFORMATION.
2 EXISTING ROOF DRAIN TO BE REMOVED AND REPLACED. SEE PLUMBING DRAWINGS.
3 EXISTING ROOF VENT TO REMAIN. PROTECT DURING CONSTRUCTION.
4 EXISTING STONE COPING TO REMAIN. PROTECT DURING CONSTRUCTION.
5 EXISTING ROOFING AND INSULATION TO REMAIN. PROTECT DURING CONSTRUCTION
6 EXISTING PHOTOVOLTAIC PANELS TO REMAIN. PROTECT DURING CONSTRUCTION
7 EXISTING EXHAUST PIPE AND CURB TO BE REMOVED. REFER TO MECH DWGS FOR FURTHER INFORMATION.
8 EXISTING LIGHTING PROTECTION TO BE RELOCATED. REFER TO ELECTRICAL DRAWINGS
9 REMOVE ROOF PROTECTION BOARD, TAPERED RIGID INSULATION AND ROOF MEMBRANE, FOR INSTALLATION OF NEW STRUCTURE, COORDINATE LOCATION WITH STRUCTURAL DRAWINGS.
10 EXISTING LIGHTING PROTECTION TO REMAIN. SEE ELECTRICAL DRAWINGS.
11 REMOVE ROOF PROTECTION BOARD, TAPERED RIGID INSUL AND ROOF MEMBRANE, FOR DEMOLITION AND INSTALLATION OF NEW ROOF DRAIN .
12 EXISTING ROOF DRAIN TO REMAIN. PROTECT DURING CONSTRUCTION.
13 REMOVE EXISTING ROOF MEMBRANE AND PROTECTION BOARD, AS REQ'D, TO INSTALL NEW TAPERED RIGID INSULATION AND ROOF MEMBRANE. MATCH EXISTING ROOF SLOPES & PROVIDE POSITIVE DRAINAGE TO EXISTING ROOF DRAINS.
14 REMOVE EXISTING ROOF MEMBRANE FLASHING ON TOP OF EXISTING CAST STONE CAP.
15 FIELD VERIFY LOCATION OF EXISTING TAPERED RIGID INSULATION RIDGE LINE AND CRICKETS BETWEEN EXISTING ROOF DRAINS

KEY NOTES:

1 NEW STRUCTURAL COLUMNS. SEE STRUCTURAL DRAWINGS. PROVIDE SINGLE PLY, SQUARE PIPE BOOT TO MATCH ROOFING MEMBRANE SYSTEM.
2 NEW METAL STAIR STRUCTURAL SUPPORTS. SEE STRUCTURAL DRAWINGS. PROVIDE SINGLE PLY, SQUARE PIPE BOOT TO MATCH ROOFING MEMBRANE SYSTEM.
3 NEW ROOF MEMBRANE AND INSULATION TO MATCH EXISTING. MATCH SLOPE TO EXISTING ROOF DRAINS.
4 EXISTING ROOFING AND INSULATION TO REMAIN. PROTECT DURING CONSTRUCTION
5 NEW ROOF MEMBRANE FLASHING ON TOP OF EXISTING CAST STONE CAP TO MATCH EXISTING.
6 EXISTING ROOF DRAIN TO REMAIN.
7 NEW ROOF DRAIN. SEE PLUMBING DRAWINGS.

DEMOLITION LEGEND

DEMOLISH EXISTING ROOF MEMBRANE, PROTECTION BOARD AND INSULATION

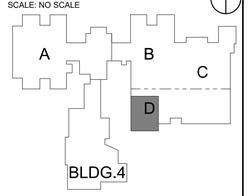
DEMOLISH EXISTING ROOF MEMBRANE, PROTECTION BOARD AND FLASHING

NEW WORK LEGEND

NEW ROOF MEMBRANE, PROTECTION BOARD AND INSUL, SLOPE TO EXIST ROOF DRAINS

KEY PLAN

SCALE: NO SCALE



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100% CONSTRUCTION DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

APOGEE CONSULTING GROUP, P.A. 52644 RALEIGH, NC

JEFFREY A BROOKS LICENSED ARCHITECT 11296 NORTH CAROLINA 7/17/2025

PROJECT MANAGER

ACG Project Number 23-039

APOGEE Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ROOF PLANS DEMOLITION AND NEW WORK

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Approved:

Date: JULY 16, 2025 | Checked: JAB | Drawn: CET

Drawing Number: A-101

Dwg 2 of 7

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VA FORM 08-6231

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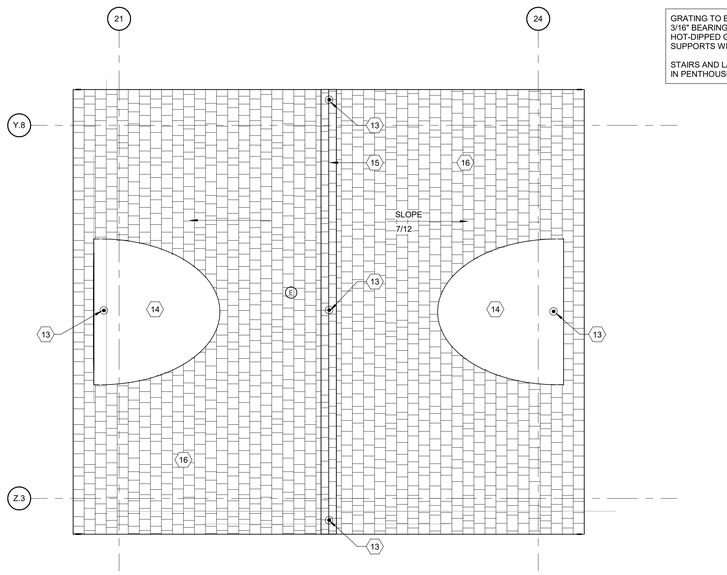
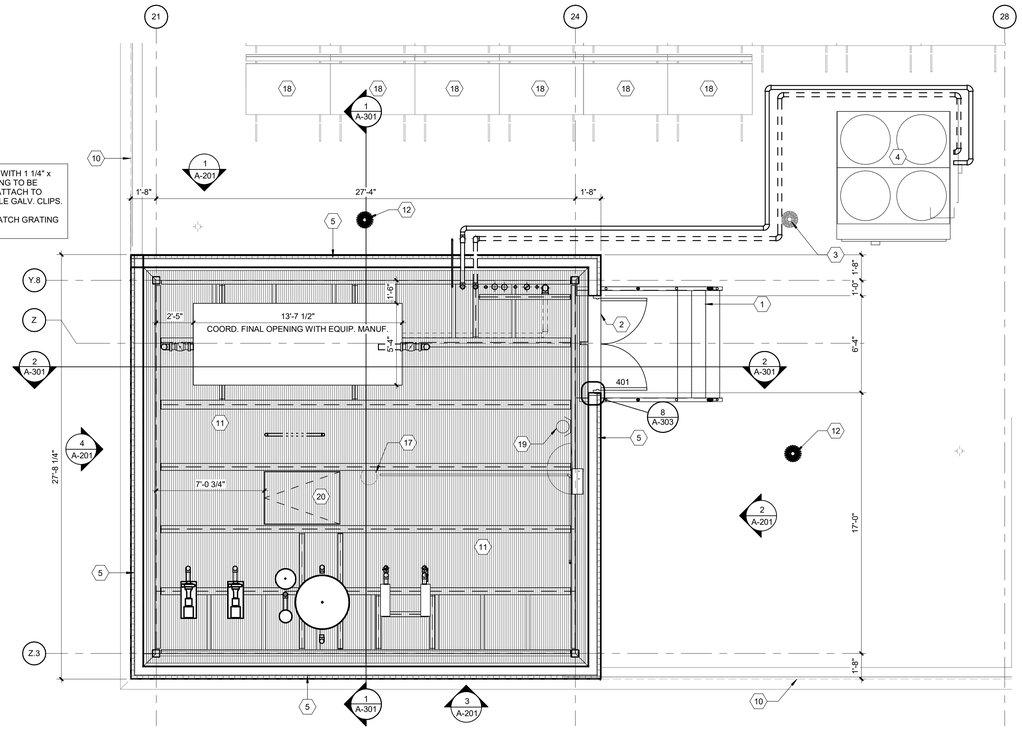


GRATING TO BE TYPE 19W4 WITH 1 1/4" x 3/16" BEARING BARS. GRATING TO BE HOT-DIPPED GALVANIZED. ATTACH TO SUPPORTS WITH REMOVABLE GALV. CLIPS.

STAIRS AND LANDING TO MATCH GRATING IN PENTHOUSE.

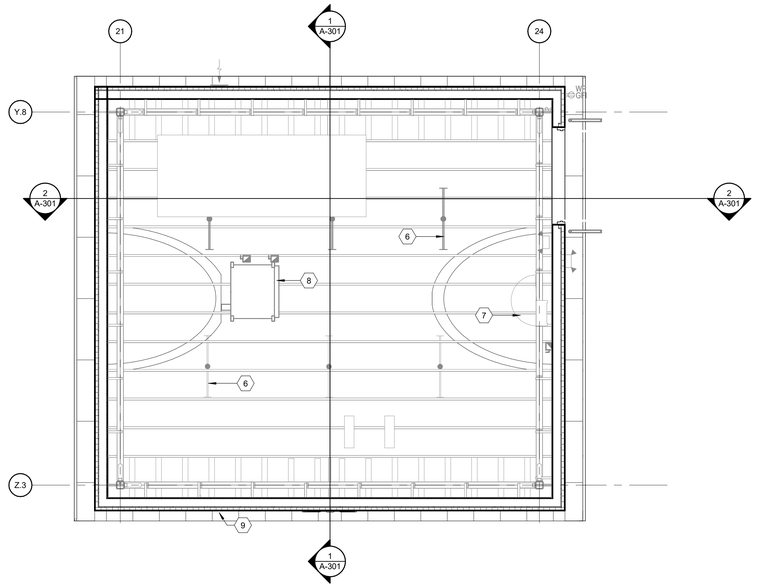
3 PENTHOUSE NEW ROOF PLAN

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



1 PENTHOUSE NEW FLOOR PLAN

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



2 PENTHOUSE REFLECTED CEILING PLAN

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

KEY NOTES:

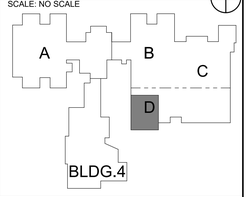
1. NEW PAINTED METAL STAIRS AND RAILING.
2. NEW INSULATED HOLLOW METAL DOOR AND HOLLOW METAL FRAME.
3. EXISTING ROOF DRAIN TO REMAIN.
4. NEW MECHANICAL EQUIPMENT REFER TO MECHANICAL DRAWINGS.
5. PREFABRICATED, THIN-BRICK VENEER PANEL SYSTEM. MATCH EXIST BRICK SIZE, COLOR AND COURSING. BASIS OF DESIGN: STOPANEL MVES CI
6. NEW 4' LED LIGHTING, TYPICAL. REFER TO ELECTRICAL DWGS FOR FURTHER INFORMATION.
7. NEW SPRINKLER, TYPICAL. REFER TO FIRE SUPPRESSION DWGS FOR FURTHER INFORMATION.
8. NEW CEILING MOUNTED HVAC EQUIPMENT. REFER TO MECHANICAL DWGS.
9. NEW SIDEWALL VENT. REFER TO MECH DWGS FOR FURTHER INFORMATION.
10. EXISTING FACE OF BRICK BELOW CAST STONE.
11. NEW METAL GRATE FLOORING AT 3' ABOVE EXISTING ROOF SLAB. GC TO COORDINATE ALL EQUIPMENT FLOOR OPENING SIZES WITH PROPOSED EQUIPMENT SIZE REQUIREMENTS. REFER TO STRUCTURAL FOR FURTHER INFORMATION.
12. NEW ROOF DRAIN, SEE PLUMBING DRAWINGS.
13. NEW LIGHTNING PROTECTION. REFER TO ELECTRICAL DRAWINGS FOR FURTHER INFORMATION.
14. NEW CURVED METAL ROOF DORMER.
15. RIDGE VENT.
16. NEW ASPHALT SHINGLE ROOF SYSTEM. MATCH EXISTING STYLE AND COLOR.
17. EXIST. ROOF DRAIN LOCATION TO REMAIN IN PLACE. PROTECT, AS REQUIRED, DURING CONSTRUCTION ACTIVITIES. SEE ELEC. DWGS FOR MORE INFORMATION.
18. EXIST. PHOTOVOLTAIC PANEL TO REMAIN IN PLACE. PROTECT, AS REQUIRED, DURING CONSTRUCTION ACTIVITIES. SEE ELEC. DWGS FOR MORE INFORMATION.
19. FIRE EXTINGUISHER WITH WALL BRACKET MOUNTED AT CODE REQUIRED HEIGHT.
20. PROVIDE A 24" X 36" REMOVABLE SECTION OF GRATING FOR ACCESS TO EXISTING ROOF DRAIN.

NEW WORK LEGEND

- EXISTING WALL TO REMAIN
- EXISTING DOOR TO REMAIN
- EXISTING WINDOW TO REMAIN
- NEW WALL
- NEW DOOR
- NEW WINDOW

KEY PLAN

SCALE: NO SCALE



FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

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JEFFREY A BROOKS LICENSED ARCHITECT 11296 NORTH CAROLINA

7/17/2025

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Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: PENTHOUSE FLOOR PLANS

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Approved

Date: JULY 16, 2025 | Checked: JAB | Drawn: CET

Drawing Number: A-102

Dwg 3 of 7

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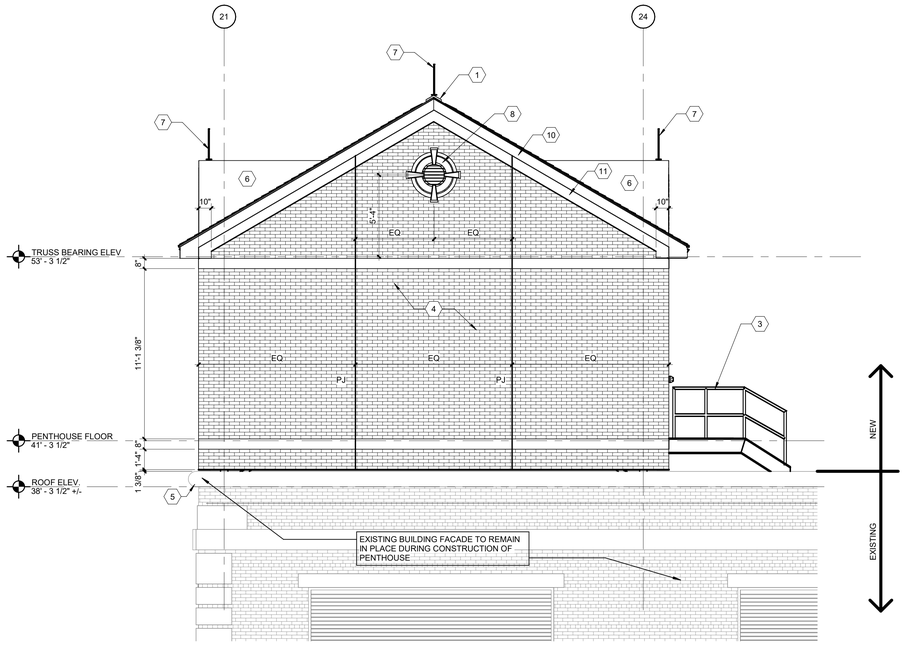


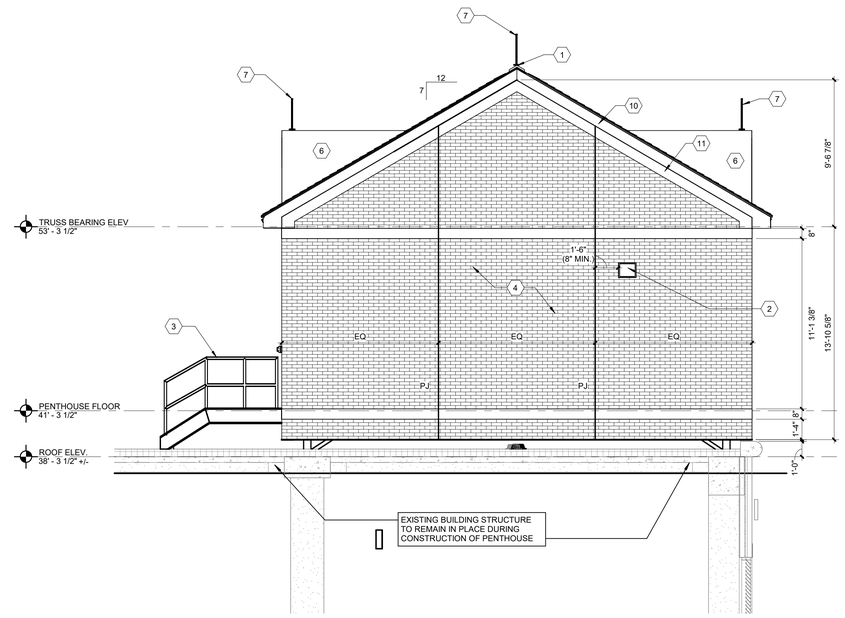
3 PENTHOUSE SOUTH ELEVATION

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

0 2 4 8

BASIS OF DESIGN FOR PRE-FABRICATED BRICK PANEL SYSTEM

TJ WIES PREFAB - www.tjwiesprefab.com
25 GUENTHER BLVD.
ST. PETERS, MO 63376
MAIN OFFICE PHONE # 636.561.8555
CONTACT: DEAN LAKEY, DIR. OF BUSINESS DEVELOPMENT
PHONE MOBILE: 636.373.3707



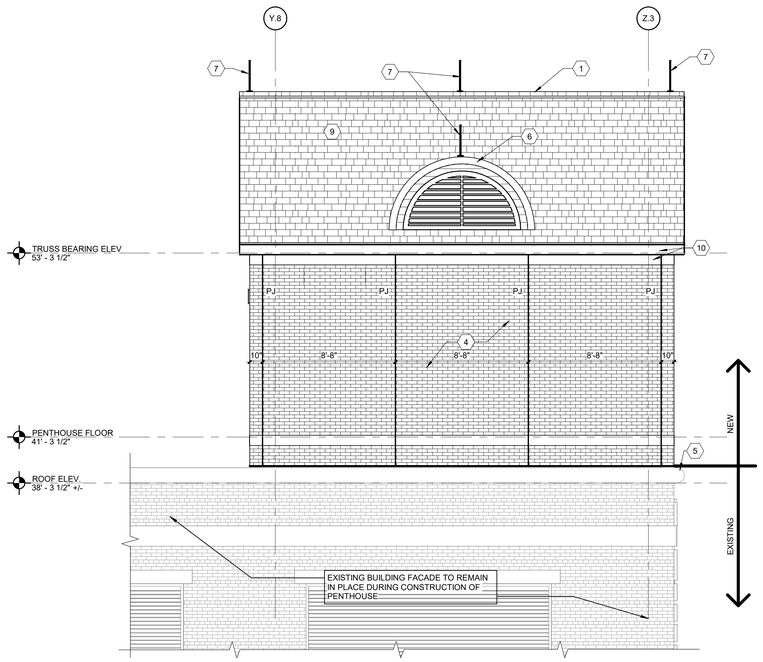
1 PENTHOUSE NORTH ELEVATION

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

0 2 4 8

KEY NOTES:

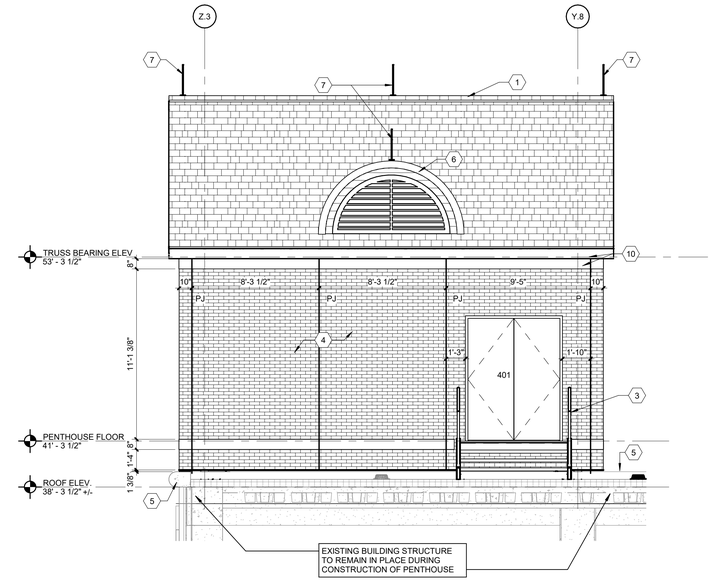
1. PROVIDE NEW PRE-FIN. ALUMINUM VENTED RIDGE CAP.
2. NEW WALL MOUNTED EXHAUST LOUVER. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
3. NEW PAINTED METAL STAIRS AND RAILING.
4. PRE-MANUFACTURED BRICK PANEL SYSTEM W/ STONE ACCENT BANDS.
5. EXISTING CAST STONE COPING.
6. NEW PRE-MANUFACTURED CURVED METAL ROOF DORMER AND FALSE LOUVER. SEE SPECIFICATION SECTION 07 71 00 FOR MORE INFORMATION.
7. NEW LIGHTNING PROTECTION. REFER TO ELECTRICAL DRAWINGS FOR FURTHER INFORMATION.
8. NEW DECORATIVE LOUVER INCORPORATED INTO PRE-MANUFACTURED BRICK PANEL.
9. MIN. 25 YEAR WARRANTY, ARCHITECTURAL STYLE ASPHALT SHINGLE ROOF. MATCH EXISTING ROOF SHINGLE ON ADJACENT BLDG 1 ROOF.
10. 6" PRE-FINISHED ALUM. FASCIA BOARD.
11. 6" EAVE TRIM INCORPORATED INTO PRE-MANUFACTURED BRICK PANEL SYSTEM.



4 PENTHOUSE WEST ELEVATION

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

0 2 4 8



2 PENTHOUSE EAST ELEVATION

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

0 2 4 8

FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

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7/17/2025

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ACG Project Number 23-039

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: EXTERIOR PENTHOUSE ELEVATIONS

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

Approved

Date: JULY 16, 2025 | Checked: JAB | Drawn: CET

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Drawing Number: A-201

Dwg 4 of 7

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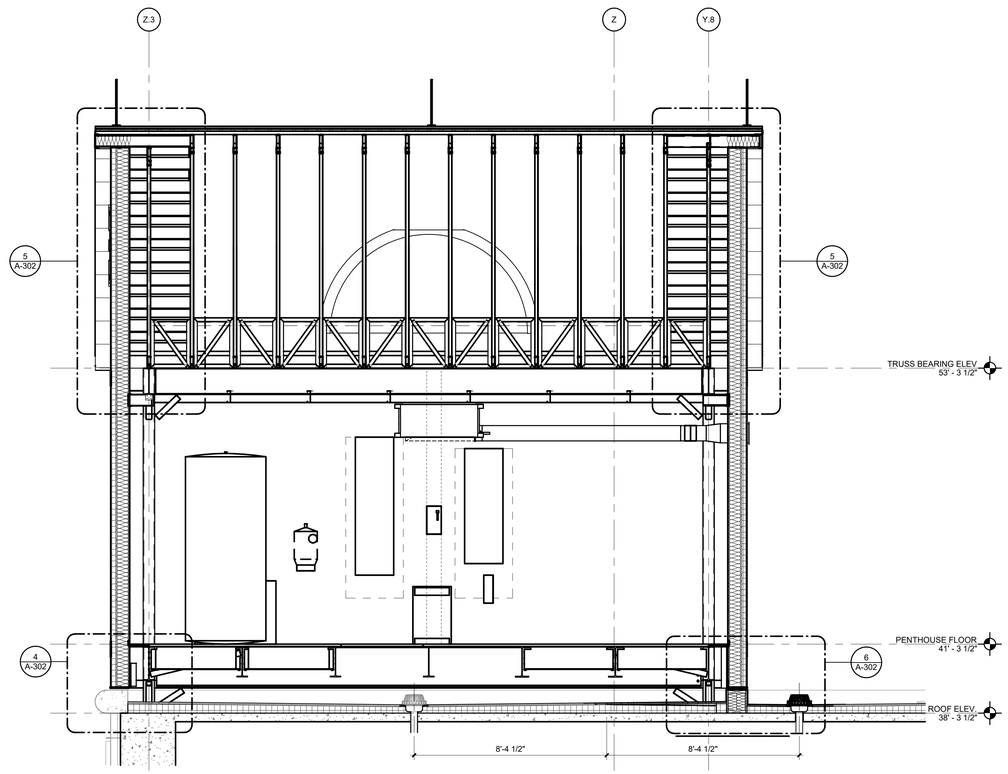
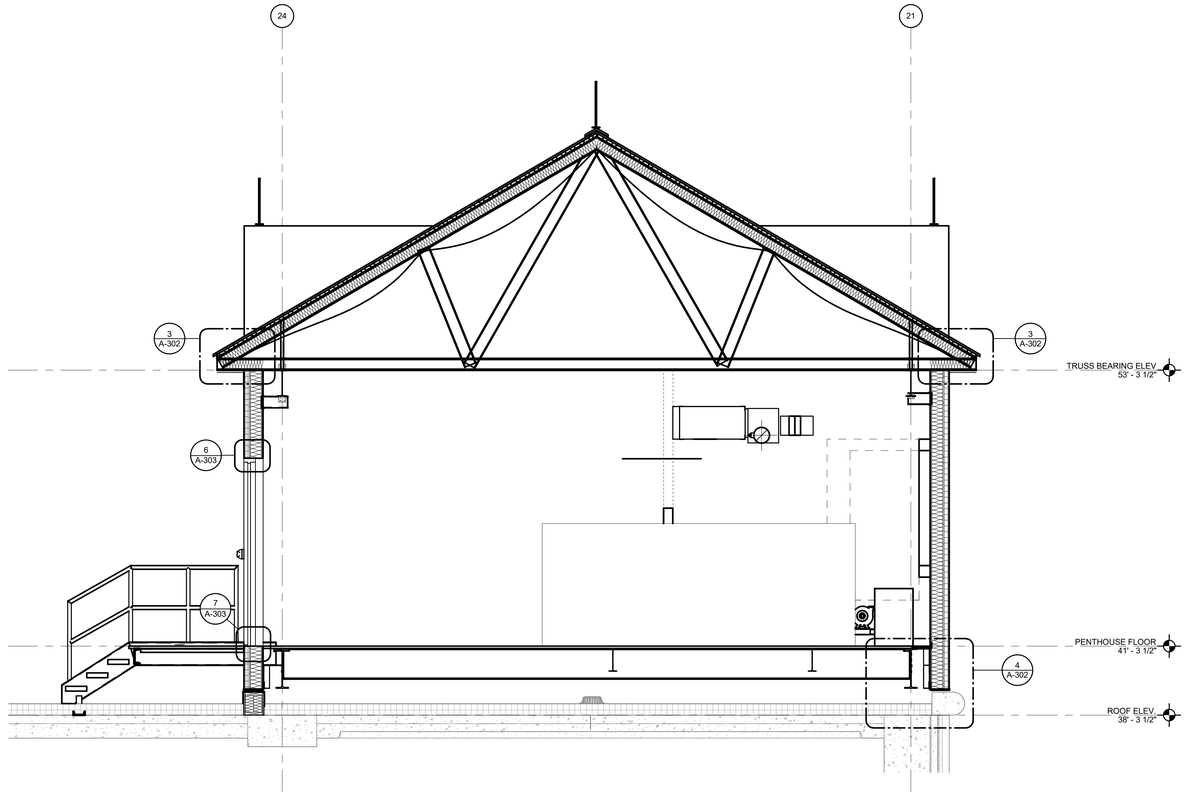


1 **PENTHOUSE BUILDING SECTION 1**
SCALE: 3/8" = 1'-0"



2 **PENTHOUSE BUILDING SECTION 2**
SCALE: 3/8" = 1'-0"

FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

APOGEE CONSULTING GROUP, P.A. 52644 RALEIGH, NC

JEFFREY A BROOKS LICENSED ARCHITECT 11296 NORTH CAROLINA
Jeffrey A Brooks
7/17/2025

PROJECT MANAGER

ACG Project Number 23-039

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: EXTERIOR PENTHOUSE SECTIONS

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

Approved

Date: JULY 16, 2025 | Checked: JAB | Drawn: CET

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Drawing Number: A-301

Dwg 5 of 7

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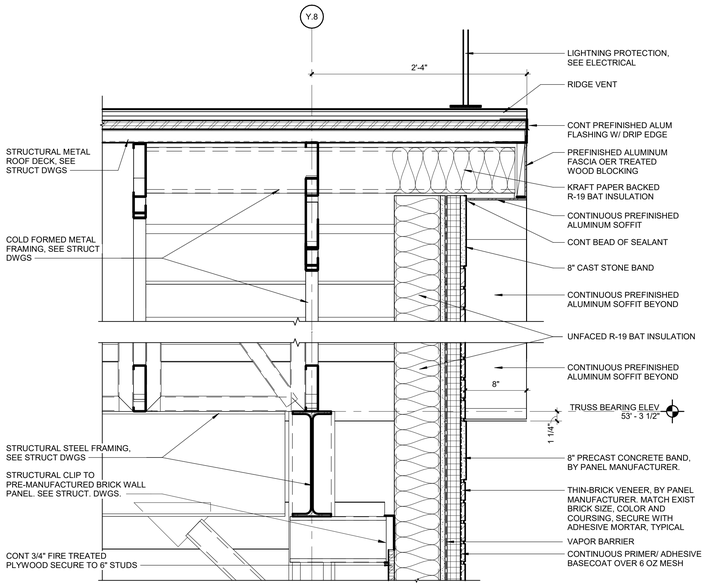
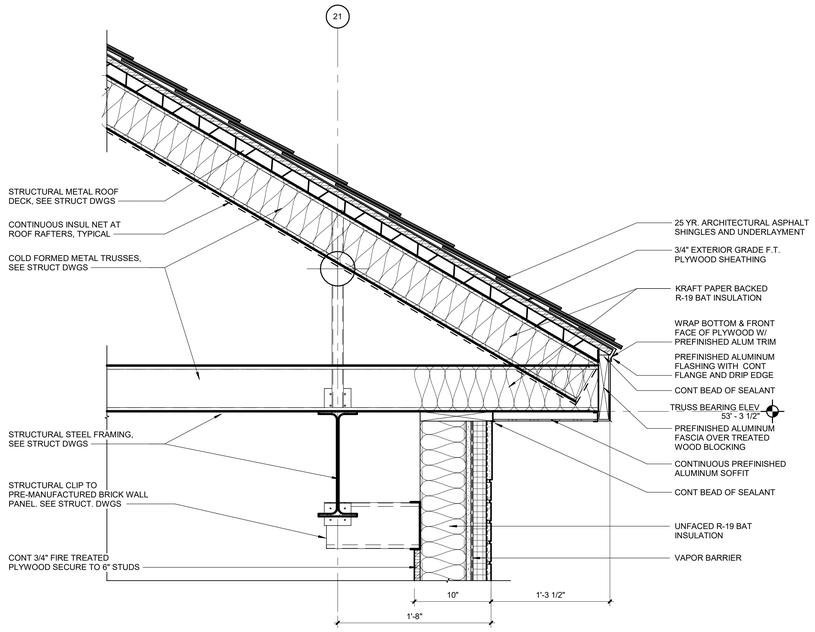


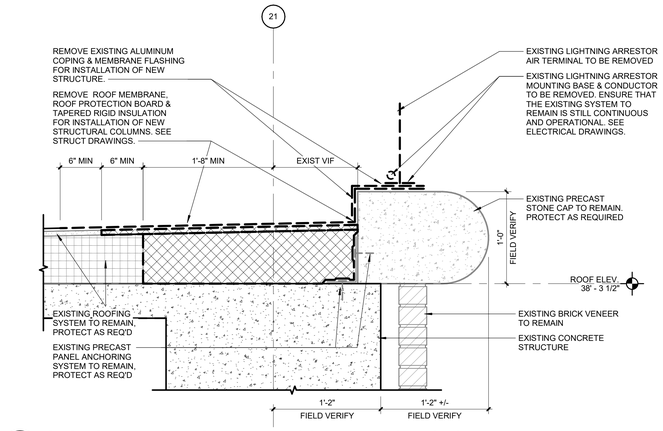
5 SECTION DETAIL @ PENTHOUSE ROOF RIDGE

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



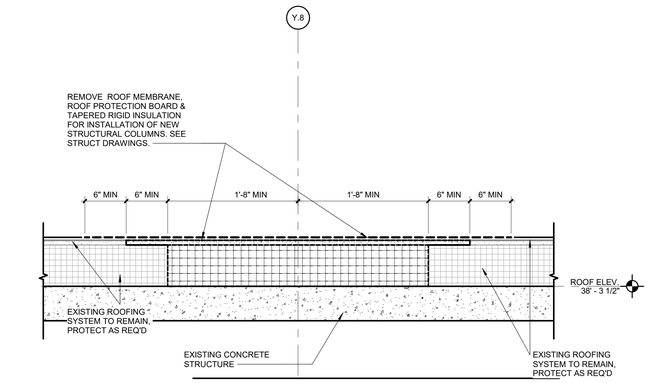
3 SECTION DETAIL @ PENTHOUSE ROOF FASCIA

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



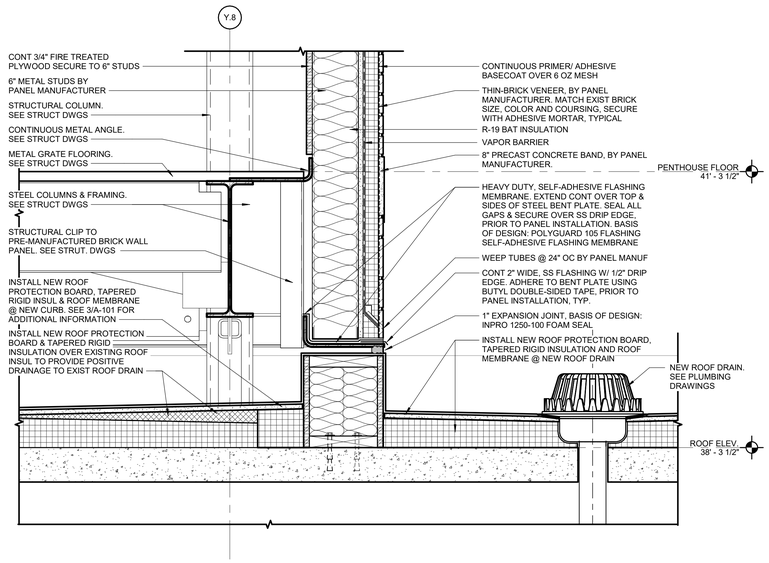
1 SECTION DEMOLITION AT NEW COLUMN LOCATIONS 1

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



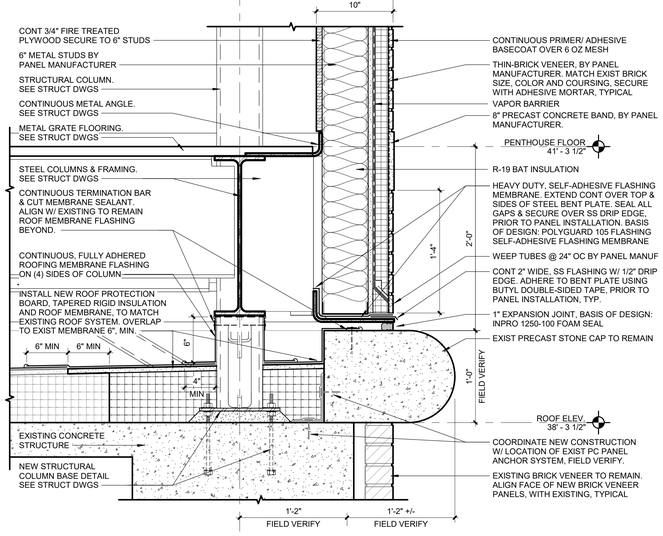
2 SECTION DEMOLITION AT NEW COLUMN LOCATIONS 2

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



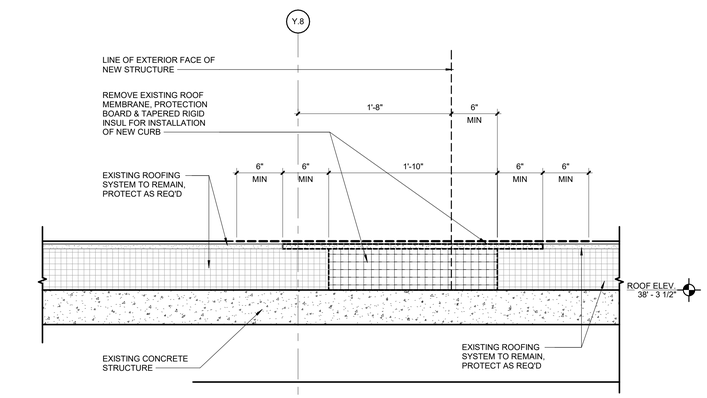
6 WALL SECTION DETAIL AT NEW COLUMN LOCATION 2

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



4 WALL SECTION DETAIL AT NEW COLUMN LOCATION 1

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



8 SECTION DEMOLITION AT NEW CURB LOCATION

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

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100% CONSTRUCTION DOCUMENTS

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CONSULTANTS:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: EXTERIOR PENTHOUSE DETAILS

Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Approved

Date: JULY 16, 2025 | Checked: JAB | Drawn: CET

Drawing Number: A-302

Dwg 6 of 7

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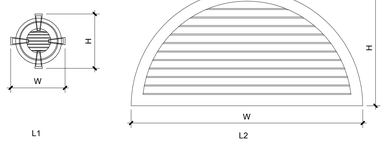
HARDWARE SET #1 (PAIR EXTERIOR PENTHOUSE)			
(8) HINGE, FULL MORTISE, HVY WT.	T4A3386 NRP 4-1/2" x 4-1/2"	US32D	MK
(2) FLUSH BOLT	555	US26D	RO
(1) STORE DOOR LOCK	ML2022 LSA SS078 CMK	626	RU
(2) CLIQ MORTISE CYLINDER	MATCH STATION STANDARD	26	MC
(2) SURFACE CLOSER (PA/STOP)	DC6210 A4	689	RU
(2) KICK PLATE	K1050 10" HIGH 2" LDW CSK BEV	US32D	RO
(1) ASTRAGAL	3575P (PAINT TO MATCH DOOR)		PE
(1) RAIN GUARD	346C		
(1) GASKETING	2891AS (HEAD)		PE
(1) GASKETING	290AS (JAMBS)		PE
(2) SWEEP	315CN		PE
(1) THRESHOLD	2705AT		PE

NOTES: MOUNT ASTRAGAL ON PULL SIDE OF ACTIVE LEAF AND SIZE DOORS FOR 1/8" CLEARANCE BETWEEN LEAVES. INSTALL PERIMETER SEAL PRIOR TO CLOSER. SPECIAL TEMPLATING REQUIRED.

LOUVER SCHEDULE

TYPE	DESCRIPTION	W	H	THICKNESS	COMMENTS
L-1	CIRCULAR	1'-0"	1'-0"	---	
L-2	SEMI-CIRCLE	6'-0"	3'-0"	---	PRE-FAB WITH THE DORMER

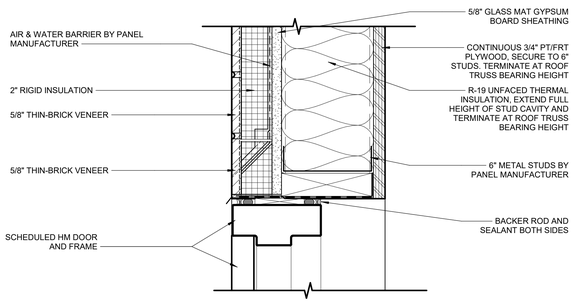


3 LOUVER ELEVATIONS
SCALE: NO SCALE

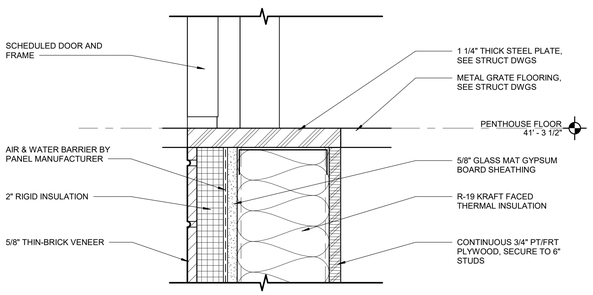
DOOR SCHEDULE

	DOOR						DOOR FRAME			HEAD	JAMB	THRESH			EXTERIOR
NO.	WIDTH	HEIGHT	THICK	MAT'L	FINISH	ELEV	MAT'L	FINISH	ELEV	DETAIL NO.	DETAIL NO.	DETAIL NO.	LBL	REMARKS	DOOR
ROOF ELEV.															
401	6' - 0"	8' - 0"	2"	IHM	PNT	FL1	HM	PNT	FR1	6/A-303	8/A-303	7-A-303		HW SET #1	YES

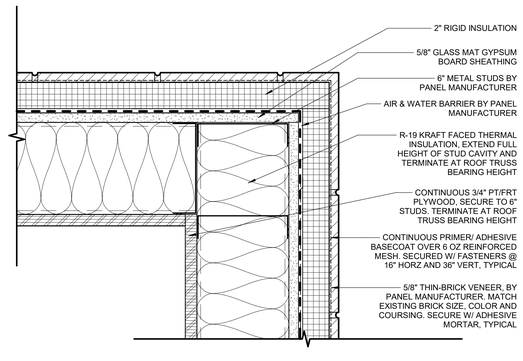
AL=	ALUMINUM	IHM=	INSULATED HOLLOW METAL	SCW=	SOLID CORE WOOD
ALCW=	ALUMINUM CLAD WOOD	OHD=	OVERHEAD DOOR	STN=	STAIN
EXIST=	EXISTING	PF=	PREFINISHED	WD=	WOOD
FRP=	FIBER REINFORCED PLASTIC	PNT=	PAINT		
HM=	HOLLOW METAL				



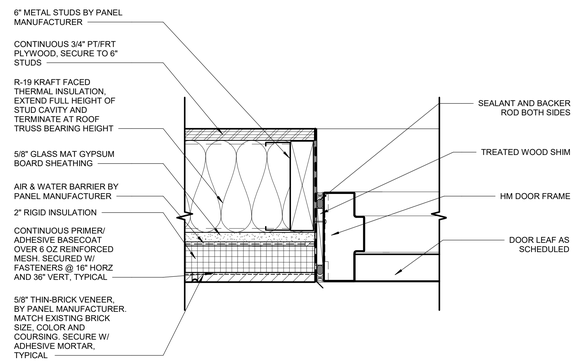
6 HEAD DETAIL @ PENTHOUSE DOOR
SCALE: 3" = 1'-0"



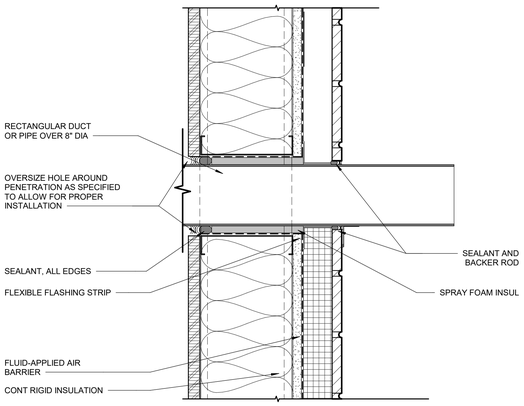
7 SILL DETAIL @ PENTHOUSE DOOR
SCALE: 3" = 1'-0"



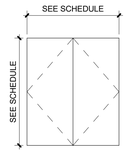
4 PLAN DETAIL @ PENTHOUSE CORNER
SCALE: 3" = 1'-0"



8 JAMB DETAIL @ PENTHOUSE DOOR
SCALE: 3" = 1'-0"

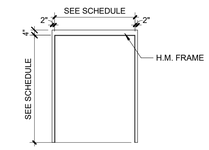


5 PENETRATION DETAIL AT MASONRY - DUCT
SCALE: 3" = 1'-0"



FL1

2 DOOR ELEVATIONS
SCALE: 1/4" = 1'-0"



FR1

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

FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

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JEFFREY A. BROOKS 11296 LICENSED ARCHITECT NORTH CAROLINA 7/17/2025

PROJECT MANAGER

ACG Project Number 23-039

APOGEE Engineers | Architects

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: DOOR ELEVATIONS, FRAME ELEVATIONS, SCHEDULES, AND LOUVER DETAILS

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Approved:

Date: JULY 16, 2025 | Checked: JAB | Drawn: CET

Drawing Number: A-303

Dwg 7 of 7

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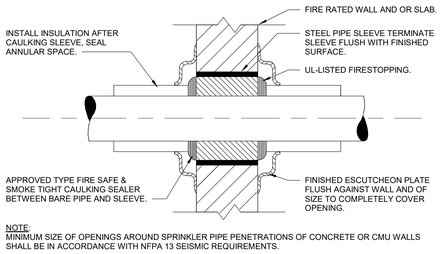
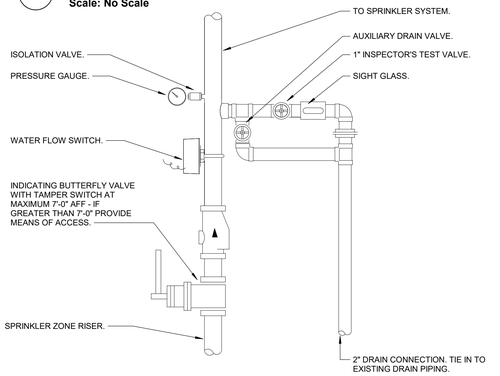


NOTE:
MINIMUM SIZE OF OPENINGS AROUND SPRINKLER PIPE PENETRATIONS OF CONCRETE OR CMU WALLS SHALL BE IN ACCORDANCE WITH NFPA 13 SEISMIC REQUIREMENTS.

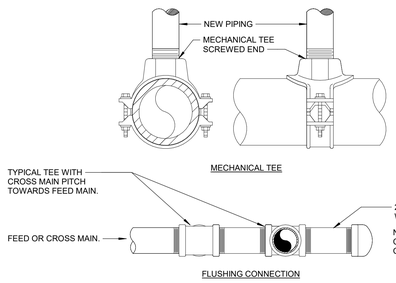
4 SPRINKLER PIPE SLEEVE THRU FIRE RATED WALL DETAIL

Scale: No Scale



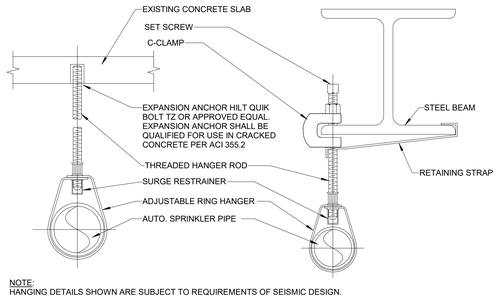
5 FLOOR CONTROL VALVE ASSEMBLY DETAIL

Scale: No Scale



1 MECHANICAL TEE AND FLUSHING CONNECTION DETAIL

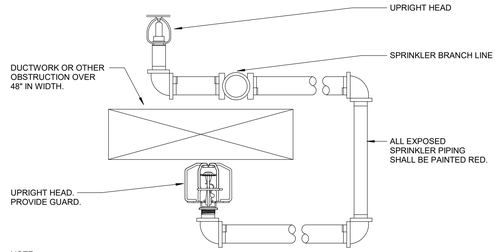
Scale: No Scale



NOTE:
HANGING DETAILS SHOWN ARE SUBJECT TO REQUIREMENTS OF SEISMIC DESIGN.

2 PIPE HANGER SUPPORT DETAIL

Scale: No Scale



NOTE:

1. PROVIDE SPRINKLER ABOVE AND BELOW DUCT OR OTHER OBSTRUCTION OVER 48" IN WIDTH.
2. COORDINATE SPRINKLER PIPE ROUTING AND LOCATION WITH COR AND ALL PARTIES INVOLVED WITH INSTALLATION OF THE OBSTRUCTION.
3. PROVIDE PIPE SUPPORTS THAT COMPLY WITH NFPA 13 REQUIREMENTS. INCLUDE COST OF ADDITIONAL SUPPORTS AS REQUIRED.
4. ATTACH PIPE SUPPORTS TO BUILDING STRUCTURE OR PROVIDE SUPPLEMENTAL STEEL ANCHOR POINTS. DO NOT ATTACH PIPE SUPPORTS TO DUCTWORK, PIPES, CONDUIT, OR EXISTING HANGER RODS FOR OTHER EQUIPMENT.

3 SPRINKLER ABOVE AND BELOW OBSTRUCTION DETAIL

Scale: No Scale

FIRE SUPPRESSION SYMBOLS & ABBREVIATIONS

NOTE: NOT ALL SYMBOLS MAY BE USED ON THIS PROJECT

—FS—	FIRE SUPPRESSION LINE	FPC	FIRE PROTECTION CONTRACTOR
—DRAIN—	FIRE DRAIN		EXTERIOR ALARM GONG (WATER ACTIVATED)
○	UPRIGHT SPRINKLER HEAD		BACKFLOW PREVENTER
⊗	SEMI-RECESSED SPRINKLER HEAD		CHECK VALVE
⊙	CONCEALED SPRINKLER HEAD		GATE VALVE
●	PENDANT SPRINKLER HEAD	T&D	TEST AND DRAIN ASSEMBLY
◀	SIDEWALL SPRINKLER HEAD	TS	TAMPER SWITCH
	FIRE DEPARTMENT CONNECTION (FDC)	FS	FLOW SWITCH
#	NEW WORK KEYNOTE	## / #	DETAIL MODULE NUMBER / DETAIL OR SECTION MARK / SHOWN ON DRAWING
#	DEMOLITION KEYNOTE		
	POINT OF NEW CONNECTION		
	LIMIT OF DEMOLITION		

BUILDING AND OCCUPANT SAFETY - INTERRUPTION OF FIRE PROTECTION SERVICE

1. DURING THE TIME THAT THE FIRE PROTECTION WORK IS BEING PERFORMED, AND THE FIRE PROTECTION SYSTEM IS OUT OF COMMISSION, CONTRACTOR SHALL HAVE SUFFICIENT PERSONNEL ONSITE TO KEEP A "FIRE WATCH" ON THE FACILITY IN ACCORDANCE WITH VA REQUIREMENTS, NFPA 25 AND NFPA 72. PROVIDE FIRE WATCH FOR EXISTING SYSTEMS IMPAIRMENTS MORE THAN 4 HOURS IN A 24-HOUR PERIOD. REFER TO SPECIFICATION SECTION 01 35 26.
2. FIRE WATCH PERSONNEL ARE TO KEEP WATCH FOR FIRES IN ALL AREAS WHERE FIRE SPRINKLER SYSTEM IS OUT OF SEVICE, THE PERSONS PERFORMING THE FIRE WATCH ARE NOT PERMITTED TO PERFORM ANY OTHER DUTIES.
3. FIRE WATCH PERSONNEL ARE TO HAVE FIRE EXTINGUISHING EQUIPMENT READILY AVAILABLE AND TO BE TRAINED IN ITS USE.
4. THE QUANTITY OF PERSONNEL INVOLVED IN THE FIRE WATCH IS TO BE ADEQUATE SUCH THAT EACH FLOOR, LEVEL, AND ROOM OF THE FIRE AREA IS COVERED.

INFECTION CONTROL MEASURES

1. CONTRACTOR SHALL COMPLY WITH THE VA'S INFECTION CONTROL RISK ASSESSMENT REQUIREMENTS AND WRITTEN DUST CONTROL PLAN.
2. EXISTING AIR QUALITY REQUIREMENTS AND OTHER UTILITY REQUIREMENTS FOR OCCUPIED AREAS SHALL BE MAINTAINED.
3. RENOVATION AREAS SHALL BE ISOLATED FROM OCCUPIED AREAS DURING CONSTRUCTION USING AIRTIGHT BARRIERS. PROVIDE EXHAUST AIRFLOW IN A MANNER THAT SHALL BE SUFFICIENT TO MAINTAIN NEGATIVE AIR PRESSURE IN THE CONSTRUCTION ZONE. COORDINATE TEMPORARY BARRIERS WITH INTERIM LIFE SAFETY MEASURES.
4. FIRE PROTECTION SYSTEM REVISIONS SHALL BE PROPERLY PERFORMED TO LIMIT WATERBORNE OPPORTUNISTIC PATHOGENS.
5. CRUCIAL VENTILATION SPECIFICATIONS FOR AIR BALANCE AND FILTRATION SHALL BE VERIFIED BEFORE COR ACCEPTANCE.

FLOW TEST INFORMATION

THE FIRE PUMP FLOW TEST INFORMATION LISTED IN THE SPECIFICATION SECTION 21 13 13 WET PIPE SPRINKLER SYSTEM IS INTENDED AS A REFERENCE FOR THE FIRE PROTECTION CONTRACTOR. THE FIRE PROTECTION CONTRACTOR SHALL OBTAIN THE LATEST FIRE PUMP FLOW TEST DATA ON WHICH TO BASE THE FIRE PROTECTION DESIGN.

FIRE PROTECTION WATER SUPPLY DEMAND ESTIMATE

DESIGN DATA:

SYSTEM TYPE: WET
OCCUPANCY CLASSIFICATION: ORD. GR. 1
DENSITY: 0.15 GPM/SQFT
AREA OF APPLICATION: 1500 SQFT
30% INCREASE IN AREA (SLOPED CEILING): 450 SQFT
FINAL AREA OF APPLICATION: 1950 SQFT
MINIMUM SPRINKLER DEMAND: 292.5 GPM
HOSE STREAMS: 250 GPM
OVERFLOW FACTOR (10%): 29.5 GPM
TOTAL WATER REQUIRED
(INCLUDING HOSE STREAMS): 571.75 GPM

SEISMIC PROTECTION NOTE

PROVIDE SEISMIC PROTECTION IN ACCORDANCE WITH NFPA 13 AND SPECIFICATION SECTION 21 13 13 WET PIPE SPRINKLER SYSTEMS. CONTRACTOR SHALL SUBMIT LOAD CALCULATIONS FOR SIZING OF SWAY BRACING FOR SYSTEMS THAT ARE REQUIRED TO BE PROTECTED AGAINST DAMAGE FROM EARTHQUAKES.

FIRE SUPPRESSION DEMOLITION GENERAL NOTES

1. LOCATIONS SHOWN FOR EXISTING FIRE PROTECTION PIPE AND EQUIPMENT ARE APPROXIMATE. FIELD VERIFY THE EXACT LOCATIONS OF EXISTING FIRE PROTECTION LINES AND EQUIPMENT INCLUDING RISERS AND VALVES PRIOR TO START OF WORK.
2. COORDINATE WITH COR FOR ANY SHUTDOWNS OR PLANNED INTERRUPTIONS OF THE FIRE PROTECTION SERVICE. GIVE THE COR THREE (3) DAYS NOTICE PRIOR TO PLANNED SHUTDOWN OR INTERRUPTION.
3. COORDINATE DEMOLITION OF FIRE PROTECTION PIPING WITH OTHER PIPING WHICH IS NOT TO BE REMOVED. PROTECT OTHER PIPING WHICH IS NOT TO BE REMOVED FROM DAMAGE, DIRT, AND DEBRIS.
4. FIRE PROTECTION RELATED EQUIPMENT AND PIPING WHICH IS REMOVED FROM THE BUILDING IS TO BE TAKEN OFFSITE AND DISPOSED OF.
5. REMOVE SPRINKLER MAINS, BRANCHES AND SPRINKLERS BACK TO THE ZONE CONTROL VALVE AS NEEDED TO INSTALL NEW SPRINKLER SYSTEM.

FIRE SUPPRESSION GENERAL NOTES

1. USE NFPA-13 (CURRENT EDITION), "PLANS AND CALCULATIONS CHAPTER" AS A GUIDELINE WHEN PREPARING SUBMITTALS FOR REVIEW. DISREGARD ONLY THOSE ITEMS NOT APPLICABLE TO THE INDIVIDUAL BUILDING SYSTEM. FIRE PROTECTION MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA-13 FOR THE INSTALLATION OF AUTOMATIC SPRINKLER SYSTEM.
2. INSTALLATION SHALL COMPLY WITH NFPA AND VA REQUIREMENTS. SYSTEM SHALL ALSO BE IN COMPLIANCE WITH ALL REQUIRED PLUMBING CODES.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND ROOM FINISH SCHEDULE WHICH INDICATE CEILING HEIGHTS. COORDINATE WITH ARCHITECT'S REFLECTED CEILING PLAN FOR LOCATION OF SPRINKLER HEADS IN AREAS WITH CEILINGS. LOCATE HEADS IN AREAS WITHOUT CEILINGS AS REQUIRED BY NFPA AND VA REQUIREMENTS FOR THE APPROPRIATE HAZARD CLASSIFICATION.
4. THIS FACILITY IS FULLY SPRINKLERED. FIRE SUPPRESSION SYSTEM SHALL BE WET PIPE TYPE SYSTEM WITH COMPLETE SPRINKLER PROTECTION UNLESS NOTED OTHERWISE. SYSTEM TO BE DESIGNED AS REQUIRED BY NFPA AND VA REQUIREMENTS FOR THE APPROPRIATE HAZARD CLASSIFICATION.
5. SPRINKLER HEAD LAYOUTS INDICATED ARE BASED ON OCCUPANCY HAZARD CLASSIFICATIONS OUTLINED IN NFPA-13 AND VA STANDARDS.
6. HYDRAULICALLY CALCULATE SPRINKLER DEMAND IN ACCORDANCE WITH REQUIREMENTS FOR APPROPRIATE HAZARD OCCUPANCY. PROVIDE ACTUAL NUMBER OF HEADS, REQUIRED SPACING AND PIPE ROUTING AS REQUIRED FOR CLEARANCE WITH STRUCTURAL CONDITIONS AND OTHER TRADES TO PROVIDE A COMPLETE AND OPERABLE SYSTEM IN ACCORDANCE WITH NFPA AND VA REQUIREMENTS.
7. FIRE PROTECTION CONTRACTOR SHALL OBTAIN FLOW TEST DATA INDICATING THE WATER FLOW, STATIC PRESSURE AVAILABLE WITH NO FLOW, AND RESIDUAL PRESSURE AT FULL FLOW TO THE FACILITY. SUBMIT HYDRAULIC CALCULATIONS AND PLANS RELATED TO A MINIMUM OF 1 REMOTE AREA FOR REVIEW.
8. PIPING IS SHOWN IN SCHEMATIC FORM TO INDICATE APPROXIMATE ARRANGEMENT OF EQUIPMENT AND PIPING. SPRINKLER CONTRACTOR SHALL DESIGN THE SYSTEM AND ROUTE PIPING AS REQUIRED FOR CONFORMANCE WITH ACTUAL BUILDING CONDITIONS AND NFPA REQUIREMENTS. COORDINATE SPRINKLER WORK WITH ALL OTHER TRADES TO AVOID CONFLICT.
9. SUPPORT NEW PIPING AND EQUIPMENT FROM STRUCTURE. PROVIDE ALL SUPPLEMENTAL STEEL TO SPAN BETWEEN PRIMARY BUILDING STRUCTURAL MEMBERS. DESIGN SUPPLEMENTAL STEEL AND SUPPORTS INCLUDING REACTION LOADS AT PRIMARY BUILDING STRUCTURAL MEMBERS.
10. PROVIDE SPRINKLER HEADS IN CONCEALED LOCATIONS IN ACCORDANCE WITH NFPA REQUIREMENTS.
11. CLEAN ENTIRE WORK AREA OF ALL DUST, DIRT, AND OTHER DEBRIS. MAINTAIN WORK AREA IN CLEAN CONDITION.
12. PROVIDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, ETC. REQUIRED FOR COMPLETE AND FUNCTIONAL SYSTEM AS SPECIFIED AND INDICATED ON THE DRAWINGS.
13. SUBMIT ONE COMPLETE SET OF AUTOMATIC SPRINKLER SYSTEM DRAWINGS, HYDRAULIC CALCULATIONS, CURRENT WATER FLOW TEST, AND THE EQUIPMENT DATA BROCHURES PREPARED BY OR UNDER THE SUPERVISION OF, AND SEALED BY A PROFESSIONAL ENGINEER.
14. REPAIR OR REPLACE NON-CONFORMING AND INADEQUATE WORK AT NO ADDITIONAL COST TO THE VA.
15. PROVIDE FIRE STOPS / SEALANT AT ALL PIPE PENETRATIONS THROUGHOUT FIRE RATED WALLS. REVIEW ARCHITECTURAL PLANS PRIOR TO BIDDING AND INDICATE PENETRATIONS ON SPRINKLER LAYOUT SUBMITTAL.
16. FLOW AND TAMPER SWITCHES ARE TO BE PURCHASED AND INSTALLED AS WORK OF DIVISION 21. PROVIDE WIRING TO FLOW AND TAMPER SWITCHES AS WORK OF DIVISION 26.
17. FURNISH AND INSTALL ARMOVER SUPPORTS FOR ALL END OF LINE BRANCH LINES IN ACCORDANCE WITH NFPA-13.
18. ALL DROPS TO SPRINKLER HEADS SHALL TEE / ELBOW OFF TOP OF BRANCH PIPE, EXCEPT WHERE STRUCTURAL, ARCHITECTURAL OR MECHANICAL EQUIPMENT CONDITIONS PRECLUDE CONNECTION AT TOP OF PIPE.
19. SPRINKLER HEADS SHALL BE IN A SYMMETRICAL PATTERN, NOT NECESSARILY IN THE CENTER OF ROOMS OR CORRIDORS. LOCATE CENTERED IN CEILING TILE WHERE POSSIBLE.
20. LOCATE THE INSPECTOR'S TEST CONNECTION AND MAIN DRAIN LOCATIONS IN ACCORDANCE WITH NFPA-13.

WALL RATING LEGEND

- 2 HOUR FIRE SEPARATION
- 1 HOUR FIRE SEPARATION
- SMOKE RATED

THE FIRE PROTECTION DRAWING IS DESIGNED TO BE IN CONFORMANCE WITH NFPA 13. IT IS A PERFORMANCE BASED DRAWING INDICATING THE EXTENT OF FIRE PROTECTION WORK FOR THE AREA THAT THIS DRAWING REPRESENTS. THIS DRAWING IS "FOR INFORMATION ONLY", AS A REFERENCE FOR THE FIRE PROTECTION CONTRACTOR TO BASE THE DESIGN OF THE FIRE PROTECTION SYSTEM ON. THE CONTRACTOR SHALL VERIFY THE EXACT CONDITIONS THAT THIS DRAWING REPRESENTS, INCLUDING ANY PERCEIVED CONCEALED SPACES, AND THE BUILDING TYPE AND CONSTRUCTION AS OUTLINED IN THE INTERNATIONAL BUILDING CODE, PRIOR TO THE START OF WORK. REFER TO THE INTERNATIONAL BUILDING CODE, NFPA 13, AND THE PROJECT SPECIFICATIONS FOR OTHER FIRE PROTECTION REQUIREMENTS.

FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

#	Revisions:	Date

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7/18/2025

PROJECT MANAGER

ACG Project Number: 23-039

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Office of Construction and Facilities Management

VA | U.S. Department of Veterans Affairs

Drawing Title: FIRE SUPPRESSION GENERAL INFORMATION

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Approved:

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

Drawing Number: FX001

Dwg 1 of 3

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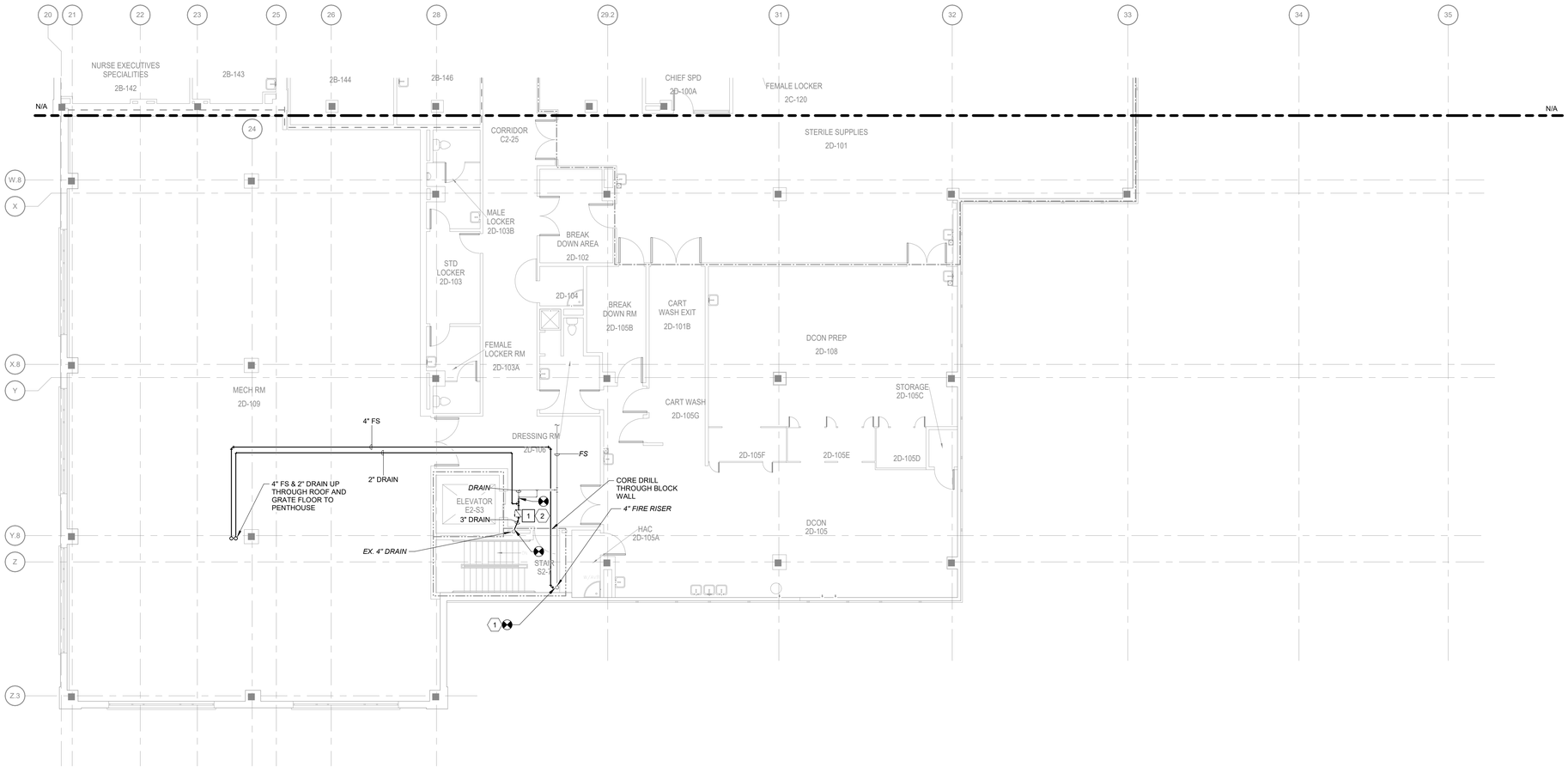


1 SECOND FLOOR FIRE SUPPRESSION PLAN - AREA D
Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

SHEET NOTES:

A. EXISTING PIPE SIZES ARE APPROXIMATE, CONTRACTOR TO FIELD VERIFY.

B. WORK SHALL BE PERFORMED TO MINIMIZE THE DOWNTIME FOR THE SPRINKLER SYSTEM IN THE REST OF THE BUILDING.

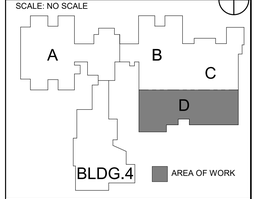
KEY NOTES:

1 DEMOLISH EXISTING DRAIN PIPING AND CHECK VALVE AS NEEDED TO CONNECT NEW DRAIN PIPE.

KEY NOTES:

1 CONNECT 4" SPRINKLER LINE TO EXISTING FIRE RISER.
2 CONNECT NEW 2" DRAIN PIPE INTO EXISTING. PROVIDE 3" DRAIN PIPE DOWNSTREAM OF 2" CONNECTION AND TIE INTO EXISTING RISER WITH A CHECK VALVE.

KEY PLAN
SCALE: NO SCALE



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Drawing Title: SECOND FLOOR FIRE SUPPRESSION PLAN - AREA D
Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109
Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1
VA PROJECT NUMBER: 619-23-105
Building Number: # 1
Approved:
Date: JULY 16, 2025
Checked: SMR
Drawn: SMR
Drawing Number: FX101
Dwg 2 of 3

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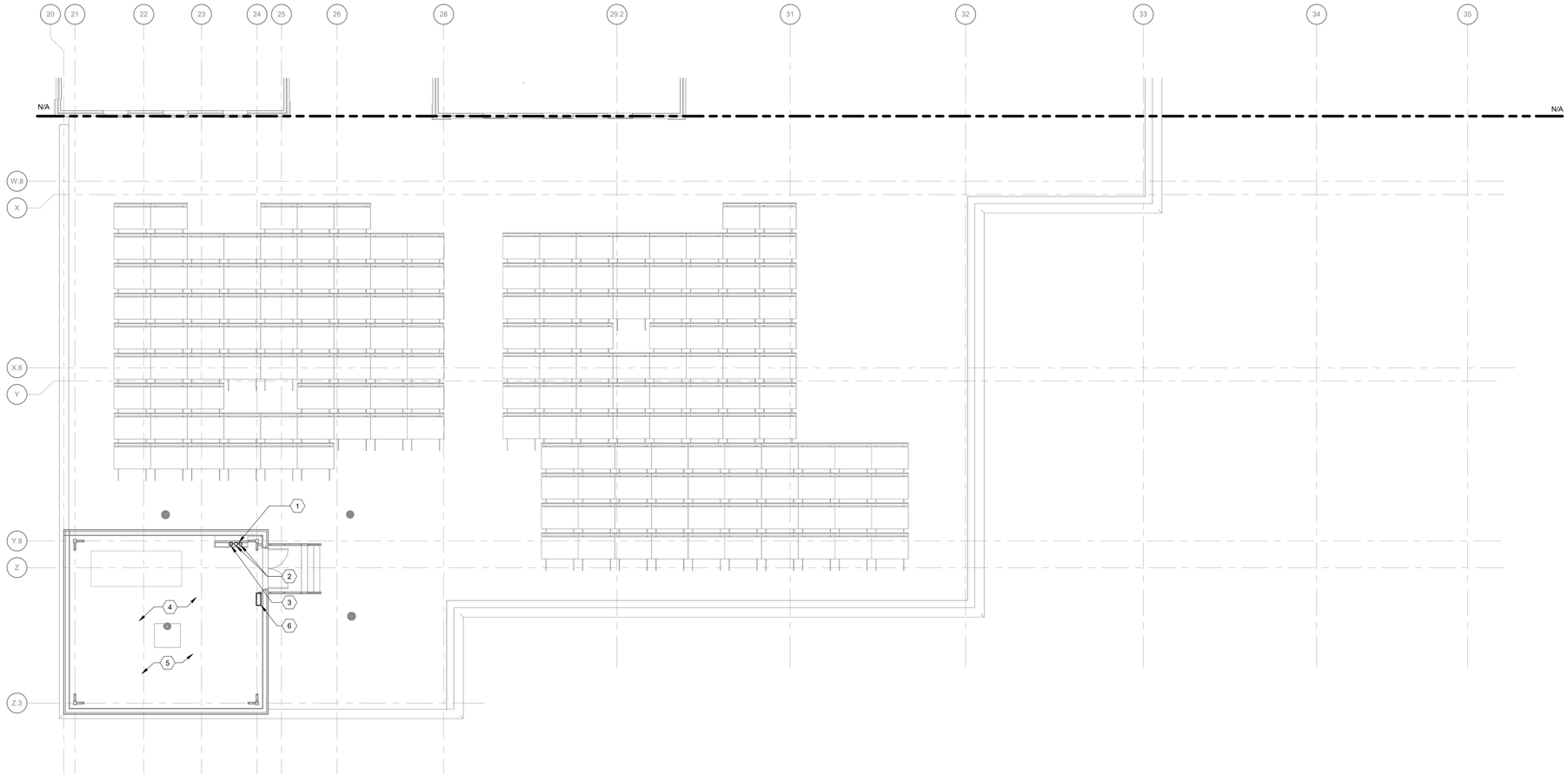


1 THIRD FLOOR FIRE SUPPRESSION PLAN - AREA D
Scale: 1/8" = 1'-0"

0 4 8 16
NORTH

SHEET NOTES:

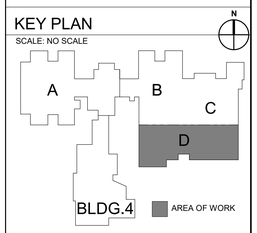
A. NEW PENTHOUSE SHALL BE CLASSIFIED AS ORDINARY GROUP 1.

B. WORK SHALL BE PERFORMED TO MINIMIZE THE DOWNTIME FOR THE SPRINKLER SYSTEM IN THE REST OF THE BUILDING.

(#) KEY NOTES:

1 PROVIDE ZONE CONTROL VALVE PER DETAIL 5 / FX001. PROVIDE WITH 2-1/2" HOSE VALVE.
2 4" FS AND 2" DRAIN PIPE THROUGH GRATE AND THROUGH SLAB TO FLOOR BELOW.
3 SPRINKLER PIPING THROUGH GRATE TO SPACE BELOW GRATE FLOOR.
4 PROVIDE UPRIGHT QUICK RESPONSE SPRINKLERS PARALLEL TO ROOF SLOPE.
5 PROVIDE UPRIGHT INTERMEDIATE LEVEL / RACK STORAGE TYPE QUICK RESPONSE SPRINKLERS UNDER GRATE FLOORING. PROVIDE WITH GUARD AND WATER SHIELD.
6 PROVIDE SPRINKLER CABINET.

KEY PLAN
SCALE: NO SCALE



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Drawing Title: THIRD FLOOR FIRE SUPPRESSION PLAN - AREA D
Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109
Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1
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Date: JULY 16, 2025
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Drawn: SMR
VA PROJECT NUMBER: 619-23-105
Building Number: # 1
Drawing Number: FX102
Dwg 3 of 3

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PLUMBING ABBREVIATIONS

A/E	ARCHITECT/ENGINEER	F	FAHRENHEIT	O2	OXYGEN
AC	ABOVE CEILING	FA	FROM ABOVE	OC	ON CENTER
AD	AREA DRAIN	FB	FROM BELOW	OD	OUTSIDE DIAMETER
AFF	ABOVE FINISHED FLOOR	FBO	FURNISHED BY OTHERS	OSD	OVERFLOW STORM DRAIN
AG	AIR GAP	FCO	FLOOR CLEANOUT	OR	OPERATING ROOM
AP	ACCESS PANEL	FCW	FILTERED COLD WATER	OVFL	OVERFLOW
AS	AUTOMATIC SPRINKLER	FD	FLOOR DRAIN		
AFG	ABOVE FINISHED GRADE	FDC	FIRE DEPARTMENT (HOSE)	PA	PASCAL
ASD	ADJUSTABLE SPEED DRIVE		CONNECTION	PC	PLUMBING CONTRACTOR
ASHRAE	AMERICAN SOCIETY HEATING,	FM	FLOW METER	PD	PRESSURE DROP
	REFRIGERATING, AIR CONDITIONING	FOP	FUEL OIL PUMP	PDI	PLUMBING AND DRAINAGE INSTITUTE
	ENGINEERS	FOR	FUEL OIL RETURN	PG	PRESSURE GAUGE
ASME	AMERICAN SOCIETY OF MECHANICAL	FOS	FUEL OIL SUPPLY	PP	PLUMBING PUMP
	ENGINEERS	FOV	FUEL OIL VENT	PPM	PARTS PER MILLION
ASPE	AMERICAN SOCIETY PLUMBING	FS	FLOOR SINK	PRS	PRESSURE REDUCING STATION
	ENGINEERS	FU	FIXTURE UNITS	PRV	PRESSURE REDUCING VALVE
ASR	AUTOMATIC SPRINKLER RISER			PSI	POUNDS PER SQUARE INCH
AV	ACID VENT	G	GALLON	PSIA	POUNDS PER SQUARE INCH -
AW	ACID WASTE	GC	GENERAL CONTRACTOR		ABSOLUTE
		GCO	GRADE CLEANOUTS	PSIG	POUNDS PER SQUARE INCH - GAUGE
BAS	BUILDING AUTOMATION SYSTEM	GD	GARBAGE DISPOSAL	PTRV	PRESSURE TEMPERATURE RELIEF
BF	BELOW FLOOR	GPD	GALLONS PER DAY		VALVE
BFP	BACKFLOW PREVENTER	GPH	GALLONS PER HOUR	PW	POTABLE WATER
BG	BELOW GRADE	GPM	GALLONS PER MINUTE		
BH	BOOSTER HEATER	GPR	GAS PRESSURE REGULATOR	RD	ROOF DRAIN
BHP	BREAK HORSEPOWER	GRS	GAS REGULATOR STATION	RDL	ROOF DRAIN LEADER
BJ	BETWEEN JOISTS	GT	GREASE TRAP	RL	ROOF LEADER
BOP	BOTTOM OF PIPE	GVTR	GAS VENT THROUGH ROOF	RO	REVERSE OSMOSIS
BSP	BLACK STEEL PIPE	GWH	GAS FIRED WATER HEATER	RWL	RAIN WATER LEADER
BT	BATHTUB				
BTUH	BRITISH THERMAL UNITS PER HOUR	H&CW	HOT AND COLD WATER	SAN	SANITARY SEWER
		HB	HOSE BIBB (INTERIOR)	SCFM	STANDARD CUBIC FOOT/MIN
C	CELSIUS	HD	HUB DRAIN	SCW	SOFTENED COLD WATER
CF	COMBINATION FIXTURE	HEX	HEAT EXCHANGER	SD	STORM DRAIN
CGA	COMPRESSED GAS ASSOCIATION	HP	HORSEPOWER	SDMH	STORM DRAIN MANHOLE
CI	CAST IRON	HS	HAND SINK	SP	SUMP PUMP
CO	CLEANOUT	HST	HOT WATER STORAGE TANK	SPR	SPRINKLER LINE
COND	CONDENSATE		(DOMESTIC)	SQFT	SQUARE FOOT
CP	CONDENSATE PUMP	HWB	HOT WATER BOILER	SS	STAINLESS STEEL
CS	CLINICAL SINK	HWCP	HOT WATER CIRCULATING PUMP	ST	STORAGE TANK
CV	CONTROL VALVE	HWP	HOT WATER PUMP	SW	STORM WATER
		HYD	HYDRANT		
DA	DENTAL COMPRESSED AIR			TCV	TEMPERATURE CONTROL VALVE
DCW	DOMESTIC COLD WATER	ICW	INDUSTRIAL COLD WATER	TD	TRENCH DRAIN
DHW	DOMESTIC HOT WATER	INV	INVERT	TDH	TOTAL DYNAMIC HEAD
DHWR	DOMESTIC HOT WATER RETURN	IPC	INTERNATIONAL PLUMBING CODE	TDL	TEMPERATURE DIFFERENTIAL
DHWS	DOMESTIC HOT WATER SUPPLY	IRW	IRRIGATION WATER	TEMP	TEMPERATURE
DF	DRINKING FOUNTAIN	IW	INDIRECT WASTE	TMV	THERMOSTATIC MIXING VALVE
DI	DEIONIZED WATER	IWH	INSTANTANEOUS WATER HEATER	TP	TRAP PRIMER
DN	DOWN	IWR	INDUSTRIAL WATER RETURN	TSTAT	THERMOSTAT
DOE	DEPARTMENT OF ENERGY	IWS	INDUSTRIAL WATER SUPPLY	TWR	TEMPERED WATER RETURN
DS	DOWNSPOUT			TWS	TEMPERED WATER SUPPLY
DV	DENTAL VACUUM	KW	KILOWATT	TYP	TYPICAL
DW	DISHWASHER	KWHR	KILOWATT-HOUR		
DWG	DRAWING			UPC	UNIFORM PLUMBING CODE
DWH	DOMESTIC WATER HEATER	L/S	LITER PER SECOND		
DWR	DRINKING WATER RETURN	LA	LABORATORY AIR	V	SANITARY VENT
DWS	DRINKING WATER SUPPLY	LAV	LAVATORY	VAC	VACUUM
DWT	DOMESTIC WATER TEMPERED	LBS/HR	POUNDS PER HOUR	VB	VACUUM BREAKER
DWV	DRAIN WASTE VENT	LCW	LABORATORY COLD WATER	VCO	VACUUM CLEANER OUTLET
		LHW	LABORATORY HOT WATER	VP	VACUUM PUMP
EC	ELECTRICAL CONTRACTOR	LNG	LIQUID NATURAL GAS	VS	VENT STACK
EL	ELEVATION	LOX	LIQUID OXYGEN	VTR	VENT THROUGH ROOF
EMCS	ENERGY MONOSERRAT AND CENTRAL	LV	LABORATORY VACUUM		
	SYSTEM	LW	LOW WATER	W	WASTE
EPA	ENVIRONMENTAL PROTECTION			WC	WATER CLOSET
	AGENCY	M	METER	WCO	WALL CLEANOUT
EPACT	ENERGY POLICY ACT	MA	MEDICAL AIR	WG	WATER GAUGE
ESC	ESCUTCHEON	MAV	MANUAL AIR VENT	WH	WATER HEATER
ESH	EMERGENCY SHOWER	MBH	THOUSANDS OF BTU PER HOUR	WHA	WATER HAMMER ARRESTOR
ET	EXPANSION TANK	MC	MECHANICAL CONTRACTOR	WHD	WALL HYDRANT
EWC	ELECTRIC WATER COOLER	MED	MEDICAL	WL	WATER LINE
EWH	ELECTRIC WATER HEATER	MER	MECHANICAL EQUIPMENT ROOM	WM	WATER METER
EWS	EYEWASH STATION	MH	MANHOLE	WPD	WATER PRESSURE DROP
EX	EXISTING	MOU	MEMORANDUM OF UNDERSTANDING	WS	WASTE STACK
		MSB	MOP SINK BASIN		
		MV	MEDICAL VACUUM	YCO	YARD CLEANOUT
				YH	YARD HYDRANT
		N2	NITROGEN		
		N2O	NITROUS OXIDE		
		NC	NORMALLY CLOSED		
		NG	NATURAL GAS		
		NIC	NOT IN CONTRACT		
		NO	NORMALLY OPEN		
		NOM	NOMINAL		
		NPW	NON POTABLE WATER		
		NTS	NOT TO SCALE		

PLUMBING SYMBOLS

	PIPE SLOPE ARROW
	FLOW ARROW
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	3-WAY CONTROL VALVE
	ANGLE GATE VALVE
	ANGLE GLOBE VALVE
	BALL VALVE
	BUTTERFLY VALVE
	CHECK VALVE
	BALANCING VALVE
	THERMOSTATIC BALANCING VALVE
	CONTROL VALVE
	GATE VALVE
	GLOBE VALVE
	PLUG VALVE
	PRESSURE REDUCING VALVE (WATER)
	PRESSURE REGULATOR (GAS)
	SAFETY RELIEF VALVE
	TWO POSITION CONTROL VALVE
	BACKFLOW PREVENTER
	HOSE BIBB / SILLCOCK
	AUTOMATIC AIR VENT
	PRESSURE GAUGE
	THERMOMETER
F	FLOW SWITCH
P	PRESSURE SWITCH
T	TEMPERATURE SWITCH
	PIPE UNION
	WYE STRAINER
	WYE STRAINER WITH DRAIN VALVE
	PUMP
OR	FLOOR DRAIN - ROUND OR SQUARE
	FLOOR CLEANOUT
CO	SUSPENDED CLEANOUT
WCO	WALL CLEANOUT
	PIPE CAP
	PIPE TURNING DOWN
	PIPE TURNING UP
	TEE UP
	TEE DOWN
	DROP AND RUN
	DROP AND TURN
	TEE OFF TOP
	TEE OFF BOTTOM
	CROSS AND RISER
	PLAN 90° ELBOW
	PIPE TEE
	FLEXIBLE PIPE CONNECTOR
	PIPE ANCHOR
	PIPE GUIDES
M	WATER METER

PLUMBING SYMBOLS

	PIPING SYSTEM	
—AW—	AW	ACID WASTE
—CA—	CA	COMPRESSED AIR
—CD—	CD	CONDENSATE DRAIN
—CO2—	CO2	CARBON DIOXIDE
—NG—	NG	NATURAL GAS
—GW—	GW	GREASE WASTE
—MA—	MA	MEDICAL AIR
—N2—	N2	NITROGEN
—N2O—	N2O	NITROUS OXIDE
—OFD—	OFD	OVERFLOW STORM DRAIN
—OW—	OW	OIL WASTE
—O2—	O2	OXYGEN
—PD—	PD	PUMP DISCHARGE
—PG—	PG	PROPANE GAS
—ST—	ST	STORM
—VAC—	VAC	VACUUM
—WAGD—	WAGD	WASTE ANESTHETIC GAS DISPOSAL
—SAN—	SAN	SANITARY WASTE
—AV—	AV	ACID VENT
—OV—	OV	OIL VENT
—V—	V	SANITARY VENT
—DCW—	DCW	DOMESTIC COLD WATER
—DI—	DI	DE-IONIZED WATER
—NPCW—	NPCW	NONPOTABLE COLD WATER
—RO—	RO	REVERSE OSMOSIS WATER
—DSCW—	DSCW	DOMESTIC SOFT COLD WATER
—HW 140—	DHW	DOMESTIC HOT WATER
	DHW 140	DOMESTIC HOT WATER (OTHER TEMP)
—DCWR—	DCWR	DOMESTIC CW RECIRCULATION
—DHWR—	DHWR	DOMESTIC HW RECIRCULATION
—DWT—	DWT	DOMESTIC WATER TEMPERED
	DCW	DOMESTIC CW BELOW THE FLOOR
	SD	STORM BELOW THE FLOOR
	SAN	SANITARY WASTE BELOW THE FLOOR

ANNOTATION SYMBOLS

#	NEW WORK KEYNOTE
#	DEMOLITION KEYNOTE
NEW	BOLD TEXT INDICATES NEW ITEM
EXISTING	ITALICIZED TEXT INDICATES EXISTING ITEM
## / *	DETAIL MODULE NUMBER DETAIL OR SECTION MARK SHOWN ON DRAWING
	CONNECT TO EXISTING
	LIMIT OF DEMOLITION
P-###	NEW PLUMBING EQUIPMENT MARK
P-###	EXISTING PLUMBING EQUIPMENT MARK
##	RISER TAG (UP)
##	RISER TAG (DOWN)
DL #-###	DEAD LEG TAG

PLUMBING DEMOLITION GENERAL NOTES

1. VERIFY EXISTING CONDITIONS PRIOR TO BEGINNING WORK. NOTIFY COR REGARDING CONFLICTS BEFORE PROCEEDING WITH WORK.
2. REMOVED ITEMS REMAIN PROPERTY OF GOVERNMENT UNTIL COR DETERMINES THAT THEY ARE NOT REQUIRED. REMOVE FROM SITE ITEMS NOT BEING RETAINED BY GOVERNMENT OR REINSTALLED AS PART OF THIS WORK.
3. DO NOT DISTURB ITEMS NOT INDICATED FOR DEMOLITION.
4. VERIFY SIZE AND LOCATION OF EXISTING UTILITIES PRIOR TO START OF DEMOLITION. RELOCATE, REMOVE AND ADJUST MECHANICAL AND ELECTRICAL ITEMS AS NECESSARY TO COORDINATE WITH NEW WORK.
5. AFTER DEMOLITION IS COMPLETE, PATCH AND REPAIR FINISHES TO MATCH EXISTING ADJACENT CONDITIONS.
6. COORDINATE DEMOLITION WITH COR. SUBMIT SHUTDOWN PLAN AND SCHEDULE TO COR FOR REVIEW AND APPROVAL.
7. PROTECT EXISTING UTILITIES TO REMAIN FROM DAMAGE DURING DEMOLITION. REPAIR UTILITIES AND SERVICES DAMAGED AT NO ADDITIONAL COST.
8. TEMPORARILY MOVE OR TAKE EQUIPMENT OUT OF SERVICE AS NECESSARY TO COMPLETE WORK.
9. SAWCUT CONCRETE FLOOR AS REQUIRED FOR DEMOLITION WORK INDICATED. COORDINATE WITH NEW PLUMBING WORK AND WORK OF OTHER TRADES.
10. UNLESS NOTED OTHERWISE, CUT INDICATED DEAD LEG PIPING AT LIMITS OF DEMOLITION AND WITHIN TWO PIPE DIAMETERS OF THE MAINRISER AND CAP WATERSIDE PIPING; REMOVE ALL EXCESS PIPING THAT HAS BEEN CUT ALONG WITH ITS ASSOCIATED INSULATION, HANGERS AND VALVES. PIPING PENETRATING THE FLOOR ABOVE OR BELOW IS TO BE CUT CLOSE TO THE SLAB, CAPPED AND ABANDONED. NO PIPING IS TO BE REMOVED FROM INSIDE WALLS OR CHASES. PATCH HANGER ROD PENETRATIONS TO MATCH EXISTING ADJACENT CONDITIONS. LABEL ABANDONED PIPING "ABANDONED".

PLUMBING GENERAL NOTES

1. WORK SHALL CONFORM TO APPLICABLE LOCAL, STATE, AND NATIONAL CODES AND APPLICABLE VA STANDARDS.
2. INSTALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS.
3. OBTAIN AND PAY FOR PERMITS, FEES, AND INSPECTIONS REQUIRED FOR THIS WORK.
4. PROVIDE NEW MATERIALS, EQUIPMENT AND PRODUCTS INCORPORATED IN THE WORK, OF A SUITABLE GRADE FOR THE PURPOSES INTENDED.
5. EQUIPMENT OR MATERIAL DEVIATIONS FROM INDICATED CONTRACT REQUIREMENTS ARE SUBJECT TO THE APPROVAL OF THE COR. SUBMIT PROPOSED EQUIPMENT DEVIATIONS THAT ARE SIMILAR BOTH IN QUALITY AND CAPACITY TO THAT EQUIPMENT SPECIFIED, AS SOLELY DETERMINED BY THE COR.
6. INSTALL EQUIPMENT AS INDICATED, ALLOWING FOR SUFFICIENT ACCESS AND CLEARANCE SPACE FOR EQUIPMENT MAINTENANCE, REPAIRS, AND REPLACEMENT.
7. AT EACH PLUMBING FIXTURE WITH QUICK CLOSING VALVES, PROVIDE A PISTON TYPE WATER HAMMER ARRESTOR SIZED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
8. SANITARY DRAINAGE PIPING INDICATED IS LOCATED BELOW FLOOR SLAB OR WITHIN WALLS UNLESS NOTED OTHERWISE. SANITARY VENT PIPING INDICATED IS ABOVE THE CEILING OR WITHIN WALLS UNLESS NOTED OTHERWISE.
9. SUPPORT PIPING SYSTEM AS REQUIRED BY APPLICABLE LOCAL, STATE, AND NATIONAL CODES ALONG WITH SPECIFICATIONS, VA STANDARDS AND MANUFACTURERS RECOMMENDATIONS.
10. FIRESTOP AND SEAL PIPING PENETRATIONS THROUGH WALLS AND FLOORS EQUAL TO THE RATING OF WALLS AND FLOORS.
11. TEST PLUMBING SYSTEM IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND NATIONAL CODES AND APPLICABLE VA STANDARDS.
12. COORDINATE PLUMBING PIPING WITH WORK OF OTHER DISCIPLINES.
13. DISINFECT DOMESTIC WATER SYSTEM IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND NATIONAL CODES AND APPLICABLE VA STANDARDS.
14. PROVIDE SHUT OFF VALVES AT BRANCH PIPING TO FIXTURES.
15. COORDINATE PLUMBING WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION. COORDINATE ROUTING OF PIPING WITH EXISTING CONDITIONS.
16. PROVIDE ALL NECESSARY OFFSETS, TEES, ELBOWS, ETC. FOR A COMPLETE AND COORDINATED WORKING PLUMBING SYSTEM. DRAWING PLANS, SCHEMATICS, AND DIAGRAMS INDICATE GENERAL LOCATION AND ARRANGEMENT OF PIPING SYSTEMS.
17. CONTRACTOR SHALL COORDINATE ANY PLUMBING SYSTEM REQUIRED SHUTDOWN WITH THE COR 2 WEEK IN ADVANCE AND CONFIRM 48 HOURS PRIOR.
18. PATCH, PAINT AND CLEAN SURFACES SUSTAINING DAMAGE ASSOCIATED WITH PLUMBING WORK OF THIS CONTRACT, UNLESS NOTED OTHERWISE.
19. INSTALL ESCUTCHEONS IN ALL PLACES WHERE PIPING PENETRATES A WALL IN AN EXPOSED LOCATION.
20. DO NOT INSTALL PIPES ABOVE TELECOM OR ELECTRICAL EQUIPMENT.
21. COREDRILL THROUGH CONCRETE FLOOR OR BLOCK WALLS AS REQUIRED FOR NEW WORK INDICATED. COORDINATE WITH WORK OF OTHER TRADES.

GENERAL PHASING NOTES

1. THIS FACILITY OPERATES 24 HOURS PER DAY, 7 DAYS PER WEEK. CONSTRUCTION WORK SHALL BE PHASED TO MINIMIZE BOTH QUANTITY AND DURATION OF SHUTDOWNS. SCHEDULE ALL SHUTDOWNS WITH THE CONTRACTING OFFICER'S REPRESENTATIVE (COR) A MINIMUM OF THREE (3) WEEKS IN ADVANCE.
2. NO MORE THAN HALF OF A WING SHALL BE SHUT DOWN AT THE SAME TIME WITHOUT APPROVAL. THE AREA OF WORK SHALL BE MINIMIZED AND SHALL COINCIDE WITH A LOGICAL DOMESTIC WATER CUT OFF POINT. THE CONTACTOR SHALL FINISH WORK IN ONE AREA BEFORE STARTING WORK IN ANOTHER AREA.
3. SUBMIT A DETAILED PHASING PLAN FOR REVIEW BY THE COR, ARCHITECT AND ENGINEER. PHASING PLAN SHALL INCLUDE, BUT NOT BE LIMITED TO, START AND END DATES OF ALL TASKS THROUGHOUT THE ENTIRE PROJECT, AND DATE AND DURATION OF SUGGESTED SHUTDOWNS.
4. GENERAL PHASING SHALL BE AS FOLLOWS:
   1) PROVIDE POINT-OF-USE THERMOSTATIC MIXING VALVES;
   2) PROVIDE MASTER THERMOSTATIC MIXING VALVE AND DOMESTIC HOT WATER RECIRCULATION PUMPS AND CONNECT TO EXISTING PIPING;
   3) DEMOLISH DEAD LEGS IN THE CRAWL SPACE;
   3) PROVIDE CHILLER PLANT AND ASSOCIATED DOMESTIC COLD WATER SUPPLY AND RETURN MAINS;
   4) DEMOLISH DOMESTIC COLD WATER MAINS THAT BECAME OBSOLETE BY NEW DOMESTIC COLD WATER PIPING;
   5) PROVIDE DOMESTIC HOT AND COLD WATER RETURN PIPING IN CRAWL SPACE AND RISERS WITH CAPPED CONNECTIONS;
   6) DEMOLISH EXISTING DOMESTIC HOT WATER RETURN MAINS THAT BECAME OBSOLETE BY NEW PIPING;
   7) DEMOLISH EXISTING PIPING ON GROUND FLOOR TO 5TH FLOOR AND PROVIDE NEW PIPING ON GROUND TO 5TH FLR.
1. DEMOLITION OF DEAD LEGS AND INSTALLATION OF NEW PIPING ON GROUND FLOOR TO 5TH FLOOR SHALL HAPPEN AT THE SAME TIME. DEMOLITION OF DEAD LEGS AND INSTALLATION OF NEW PIPING IN THE CRAWL SPACE MAY HAPPEN AT THE SAME TIME AS NEEDED FOR COMPLETE SYSTEM OPERATION.
2. OLD MAINS SHALL BE DEMOLISHED AFTER NEW MAINS HAVE BEEN BROUGHT INTO OPERATION.
3. TO MINIMIZE SHUTDOWNS AND ALLOW THE PIPING TO REMAIN ACTIVE, MAKE MODIFICATIONS TO EXISTING PIPING VIA "HOT TAPPING" AND PIPE FREEZING METHODS WHEN NO EXISTING ISOLATION VALVES PRESENT TO ISOLATE THE PORTION OF THE PIPING.
4. WORK IN OFFICES, CONFERENCE ROOMS, EXAM ROOMS, CONSULTATION ROOMS, AND OTHER SIMILAR AREAS THAT ARE OCCUPIED ON A REGULAR BASIS DURING BUSINESS HOURS SHALL BE PERFORMED AFTER BUSINESS HOURS. GENERALLY, AFTER HOURS MEANS FROM 6 P.M. UNTIL 5 A.M. COORDINATE EXACT HOURS WITH THE COR. SPECIFIC APPROVAL FROM THE COR IS REQUIRED TO PERFORM WORK IN THESE AREAS DURING BUSINESS HOURS.
5. ALL MEANS OF EGRESS SHALL BE MAINTAINED DURING CONSTRUCTION. ACCESSIBLE ICRA BARRIERS SHALL BE ERECTED AND TAKEN DOWN AS REQUIRED TO MEET THE VA SCHEDULING REQUIREMENTS.
6. TEMPORARILY REMOVE CEILINGS, LIGHT FIXTURES, AIR DEVICES, CEILING-MOUNTED FIRE ALARM DEVICES AND SMOKE DETECTORS, CEILING-MOUNTED WIRELESS ACCESS POINTS, AND ALL OTHER CEILING-MOUNTED IN ORDER TO ACCOMPLISH WORK. CEILING REMOVAL INCLUDES, BUT IS NOT LIMITED TO, REMOVING CEILING TILES, CEILING T-BAR GRID, AND PARTIALLY OR FULLY REMOVING HARD SURFACE CEILINGS. SPRINKLER HEADS SHALL BE TURNED UP WITHIN THE AREA OF WORK. THERE ARE BOTH LAY-IN CEILINGS AND HARD SURFACE CEILINGS IN THE AREAS OF WORK. AFTER WORK ABOVE CEILINGS IS COMPLETED, REINSTALL CEILINGS AND REINSTALL ALL CEILING-MOUNTED DEVICES AND EQUIPMENT. TURN SPRINKLER HEADS BACK DOWN AND REINSTALL IN CEILING. ANY ITEMS DAMAGED AS A RESULT OF THE DEMOLITION OR NEW WORK SHALL BE REPLACED AT NO ADDITIONAL COST TO THE GOVERNMENT.

ASBESTOS NOTE

ASBESTOS IS WITHIN THE AREA OF WORK. INCLUDING, BUT NOT LIMITED TO, PIPING INSULATION AND MASTIC. PIPE INSULATION INSIDE WALLS / CHASES AND ABOVE PLASTER CEILINGS SHALL BE CONSIDERED TO CONTAIN ASBESTOS. ABATE ALL ASBESTOS WITHIN THE AREA OF WORK. REFER TO ASBESTOS SAMPLING REPORT.

SEISMIC PROTECTION NOTE

PROVIDE SEISMIC PROTECTION IN ACCORDANCE WITH SPECIFICATIONS. CONTRACTOR SHALL SUBMIT LOAD CALCULATIONS FOR SIZING OF SWAY BRACING FOR SYSTEMS THAT ARE REQUIRED TO BE PROTECTED AGAINST DAMAGE FROM EARTHQUAKES.

WALL RATING LEGEND

- 2 HOUR FIRE SEPARATION
- 1 HOUR FIRE SEPARATION
- SMOKE RATED

FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

#	Revisions:	Date

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7/18/2025

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ACG Project Number 23-039

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: PLUMBING GENERAL INFORMATION

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Approved:

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

Drawing Number: P-001

Dwg 1 of 56

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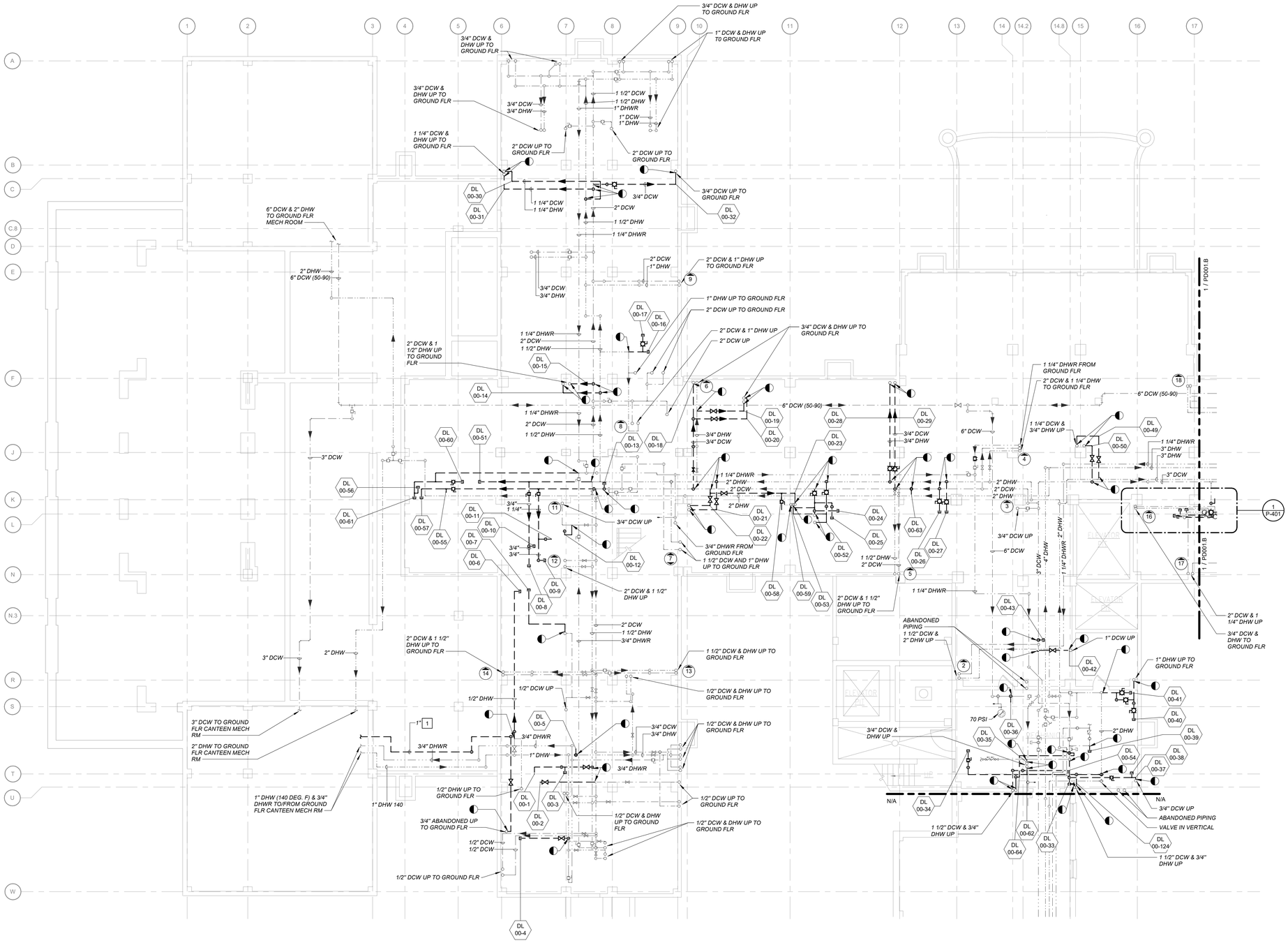


SHEET NOTES:

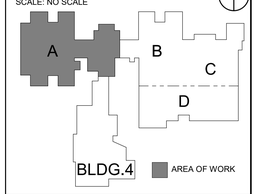
A. DEMOLITION OF DEAD LEGS SHALL BE PER PLUMBING DEMOLITION GENERAL NOTE 10.

B. THIS SHEET SHOWS DEMOLITION OF DEAD LEGS ONLY. REFER TO PD010.A FOR ADDITIONAL DEMOLITION WORK IN CRAWL SPACE.

KEY NOTES:

1 DEMOLISH ABANDONED PIPING AND ASSOCIATED INSULATION AND HANGERS BACK TO SLAB PENETRATION AND CUT FLUSH WITH THE SLAB AND CAP.

KEY PLAN
SCALE: NO SCALE



1 CRAWL SPACE PLUMBING DEMOLITION PLAN - AREA A - DEAD LEG DEMOLITION
Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

SVETLANA MISEVICH REID Lic. No. 0402068436 COMMONWEALTH OF VIRGINIA PROFESSIONAL ENGINEER
7/18/2025

PROJECT MANAGER
ACG Project Number 23-039

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VA U.S. Department of Veterans Affairs

Drawing Title: CRAWL SPACE PLUMBING DEMOLITION PLAN - AREA A - DEAD LEG DEMOLITION
Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109
Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1
Approved
Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR
VA PROJECT NUMBER: 619-23-105
Building Number: # 1
Drawing Number: PD001.A
Dwg 2 of 56

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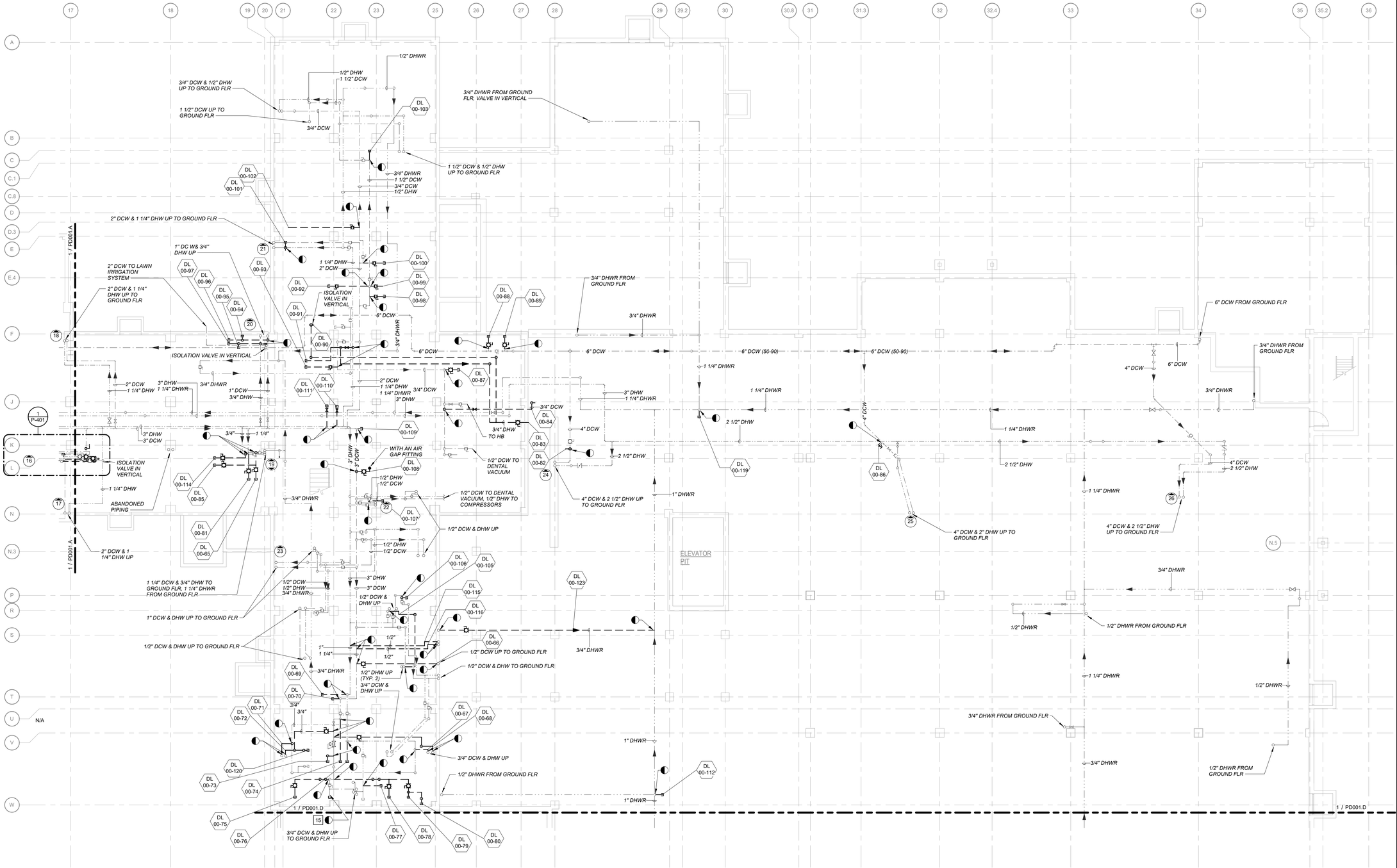
SHEET NOTES:

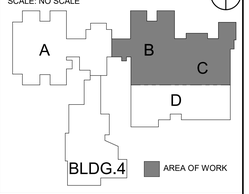
A. DEMOLITION OF DEAD LEGS SHALL BE PER PLUMBING DEMOLITION GENERAL NOTE 10.

B. THIS SHEET SHOWS DEMOLITION OF DEAD LEGS ONLY. REFER TO PD010.B FOR ADDITIONAL DEMOLITION WORK IN CRAWL SPACE.



KEY PLAN

SCALE: NO SCALE



1 CRAWL SPACE PLUMBING DEMOLITION PLAN - AREA B & C - DEAD LEG DEMOLITION

Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	CRAWL SPACE PLUMBING DEMOLITION PLAN - AREA B & C - DEAD LEG DEMOLITION
Project Title	LEGIONELLA PLUMBING PROJECT BUILDING 1
VA PROJECT NUMBER	619-23-105
Building Number	# 1
Location	CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109
Approved	
Date	JULY 16, 2025
Checked	SMR
Drawn	SMR
Drawing Number	PD001.B
Dwg	3 of 56

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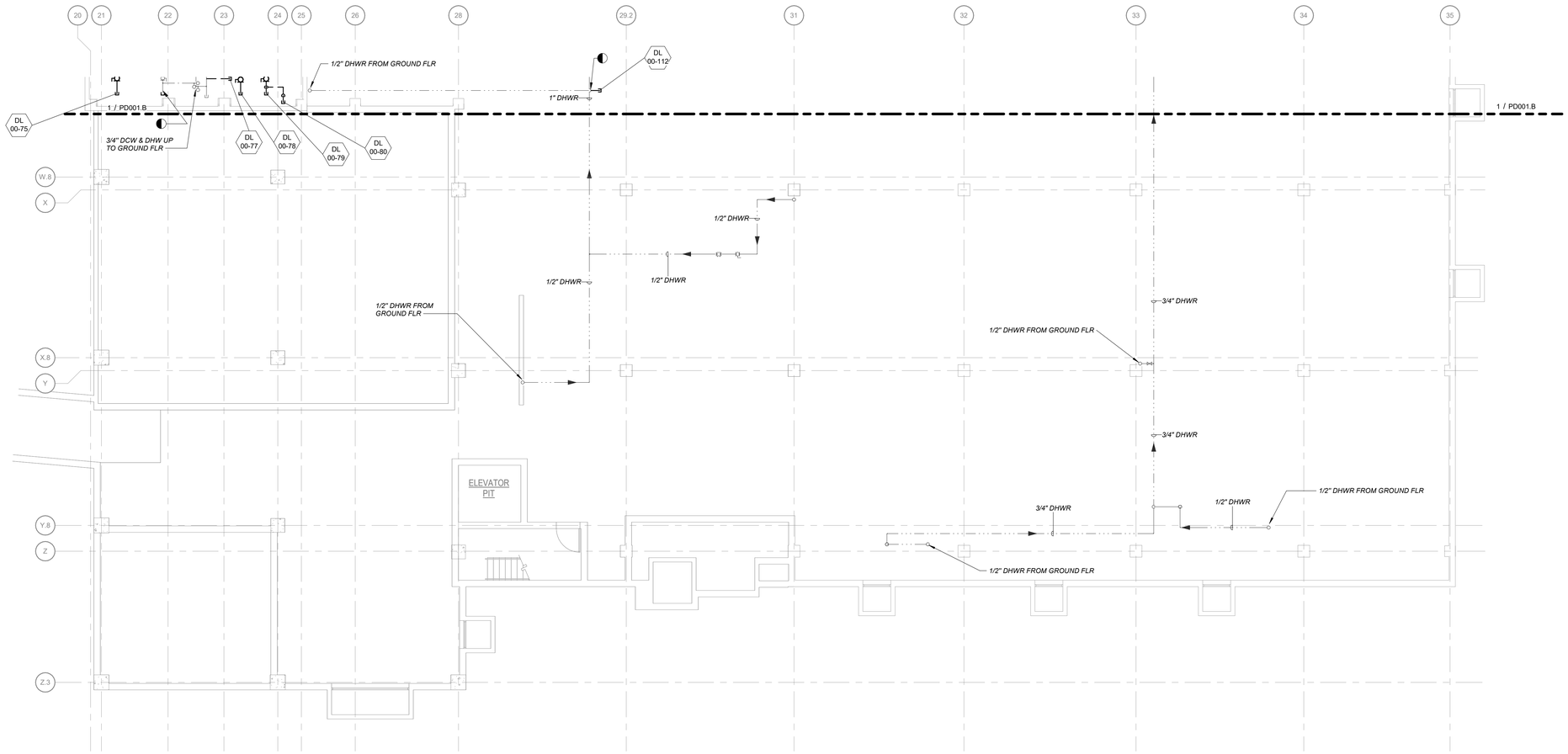


1 CRAWL SPACE PLUMBING DEMOLITION PLAN - AREA D - DEAD LEG DEMOLITION
Scale: 1/8" = 1'-0"

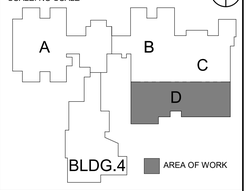
0 4 8 16 NORTH

SHEET NOTES:

A. DEMOLITION OF DEAD LEGS SHALL BE PER PLUMBING DEMOLITION GENERAL NOTE 10.

B. THIS SHEET SHOWS DEMOLITION OF DEAD LEGS ONLY. REFER TO PD010.D FOR ADDITIONAL DEMOLITION WORK IN CRAWL SPACE.

KEY PLAN
SCALE: NO SCALE



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CONSULTANTS:

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7/18/2025

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www.acg-pa.com 919-858-7420

ACG Project Number 23-039

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: CRAWL SPACE PLUMBING DEMOLITION PLAN - AREA D - DEAD LEG DEMOLITION

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

Approved

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

VA PROJECT NUMBER 619-23-105

Building Number # 1

Drawing Number PD001.D

Dwg 4 of 56

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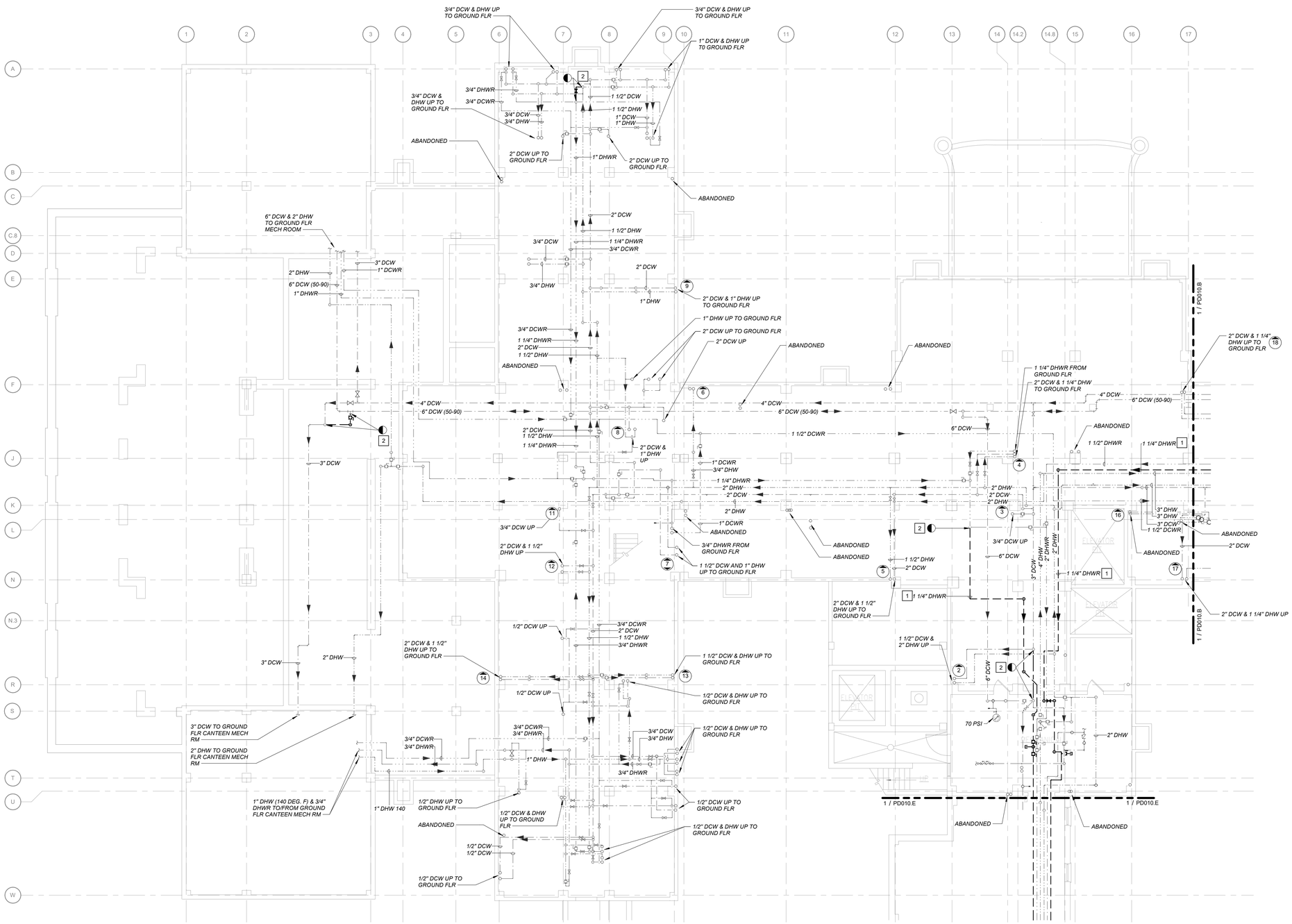


1 CRAWL SPACE PLUMBING DEMOLITION PLAN - AREA A

Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

SHEET NOTES:

A. DEMOLITION WORK SHOWN ON THIS SHEET SHALL HAPPEN AFTER NEW WORK ON PP010.A IS PERFORMED TO MINIMIZE THE DURATION OF SHUT DOWNS WHILE PERFORMING SWITCHOVER TO NEW SYSTEM.

B. NEW WORK SHOWN ON PP010.A IS SHOWN AS EXISTING ON THIS SHEET.

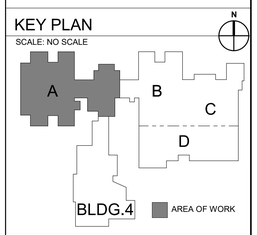
KEY NOTES:

1 DEMOLISH EXISTING DHWR PIPING AS INDICATED AFTER NEW DHWR PIPING IS INSTALLED.

2 DEMOLISH DOMESTIC WATER PIPING AS INDICATED AND CAP AT WATERSIDE.

KEY PLAN

SCALE: NO SCALE



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#	Revisions:	Date

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ACG Project Number 23-039

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: CRAWL SPACE PLUMBING DEMOLITION PLAN - AREA A

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

Approved

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Drawing Number: PD010.A

Dwg 5 of 56

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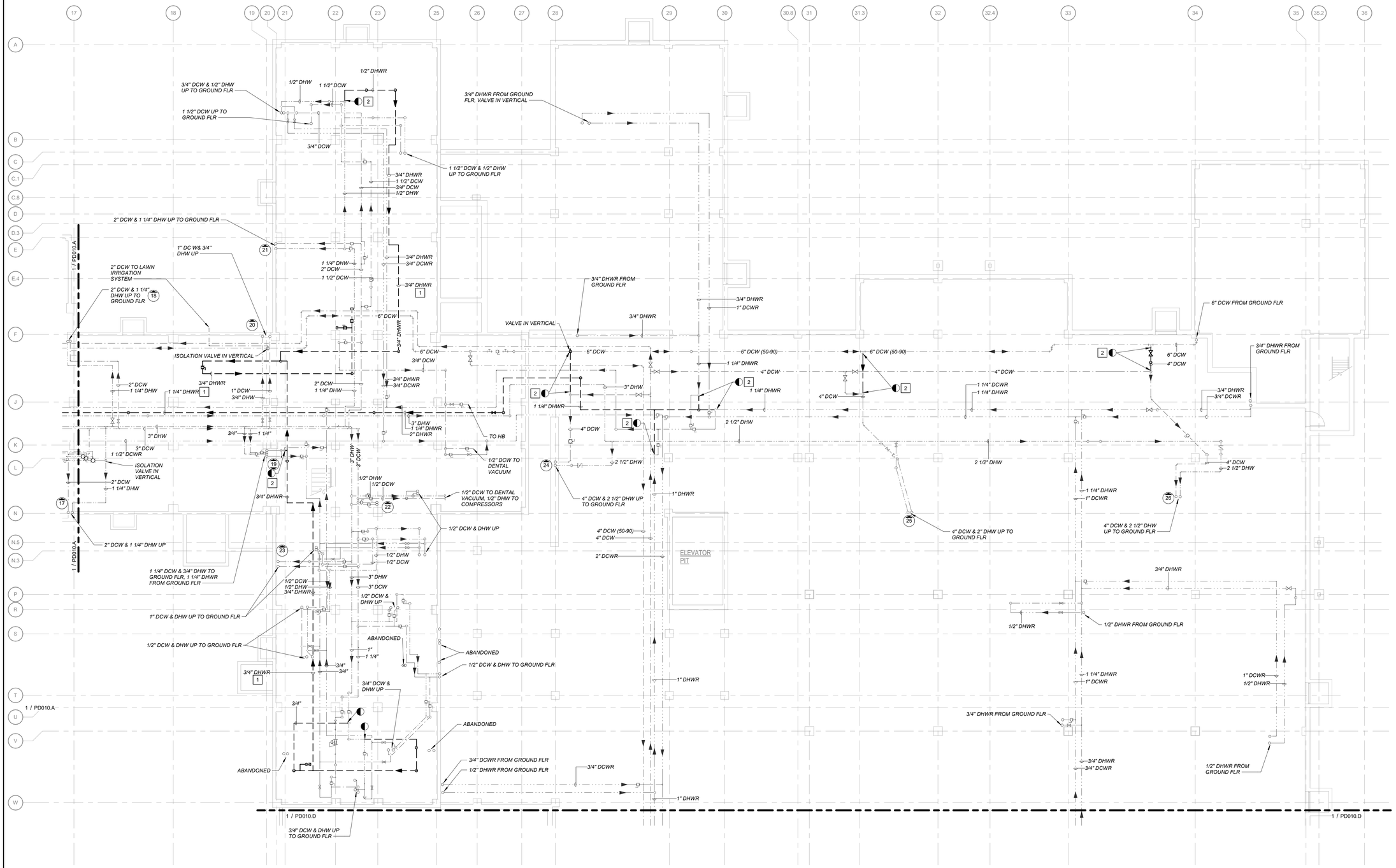


1 CRAWL SPACE PLUMBING DEMOLITION PLAN - AREA B & C

Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

SHEET NOTES:

A. DEMOLITION WORK SHOWN ON THIS SHEET SHALL HAPPEN AFTER NEW WORK ON PP010.B IS PERFORMED TO MINIMIZE THE DURATION OF SHUT DOWNS WHILE PERFORMING SWITCHOVER TO NEW SYSTEM.

B. NEW WORK SHOWN ON PP010.B IS SHOWN AS EXISTING ON THIS SHEET.

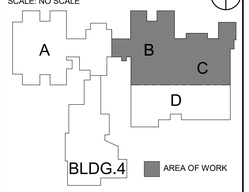
KEY NOTES:

1 DEMOLISH EXISTING DHWR PIPING AS INDICATED AFTER NEW DHWR PIPING IS INSTALLED.

2 DEMOLISH DOMESTIC WATER PIPING AS INDICATED AND CAP AT WATERSIDE.

KEY PLAN

SCALE: NO SCALE



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PROJECT MANAGER

ACG Project Number 23-039

APOGEE Engineers | Architects

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Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: CRAWL SPACE PLUMBING DEMOLITION PLAN - AREA B & C

Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

Approved

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Drawing Number: PD010.B

Dwg 6 of 56

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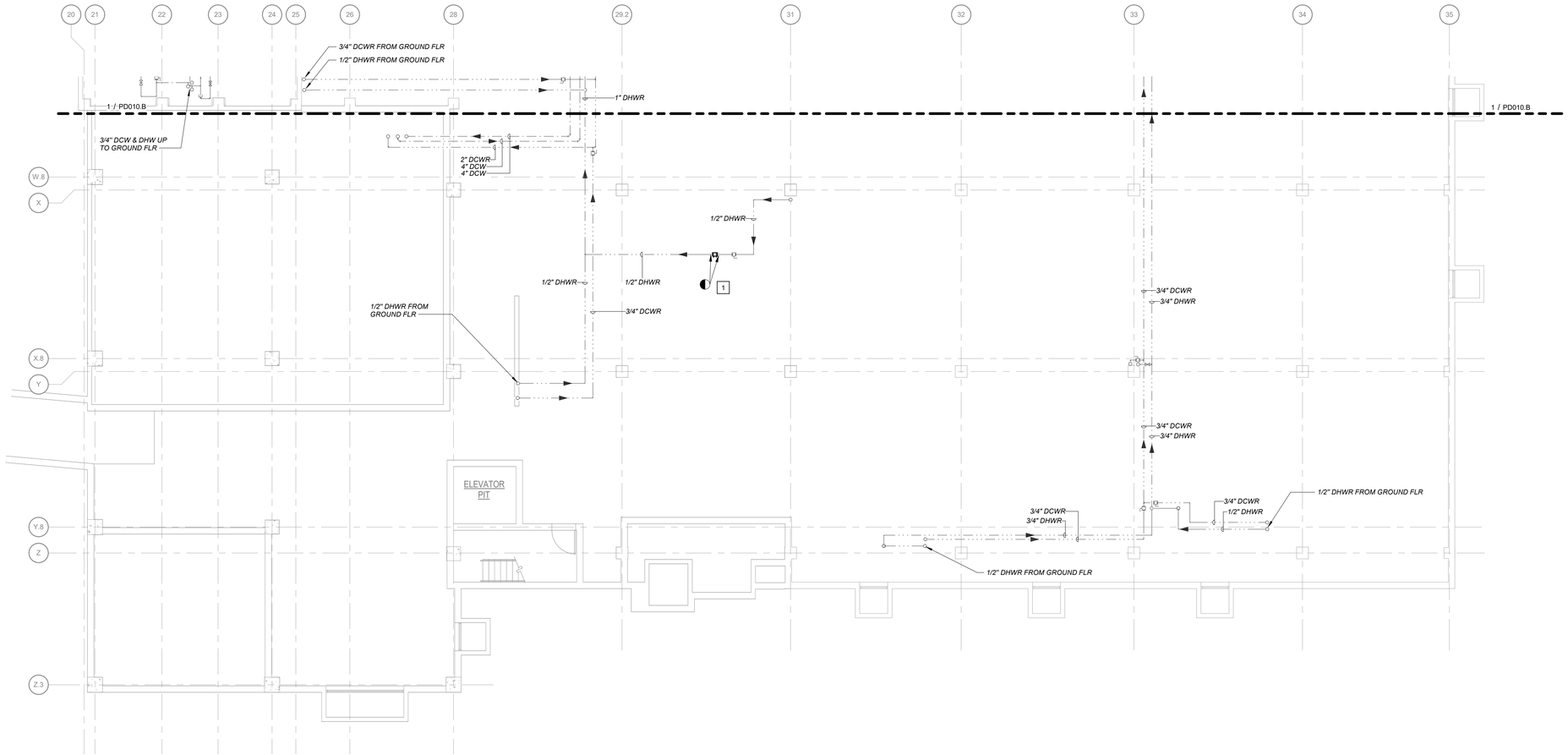


1 CRAWL SPACE FLOOR PLUMBING DEMOLITION PLAN - AREA D - PHASE 2

Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

SHEET NOTES:

A. DEMOLITION WORK SHOWN ON THIS SHEET SHALL HAPPEN AFTER NEW WORK ON PP010.D IS PERFORMED TO MINIMIZE THE DURATION OF SHUT DOWNS WHILE PERFORMING SWITCHOVER TO NEW SYSTEM.

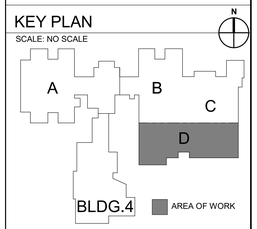
B. NEW WORK SHOWN ON PP010.D IS SHOWN AS EXISTING ON THIS SHEET.

KEY NOTES:

1 DEMOLISH BALANCING VALVE AND PREPARE TO REPLACE WITH THERMOSTATIC BALANCING VALVE ASSEMBLY.

KEY PLAN

SCALE: NO SCALE



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100% CONSTRUCTION DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

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ACG Project Number 23-039

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VA U.S. Department of Veterans Affairs

Drawing Title: CRAWL SPACE PLUMBING DEMOLITION PLAN - AREA D

Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

Approved

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Drawing Number: PD010.D

Dwg 7 of 56

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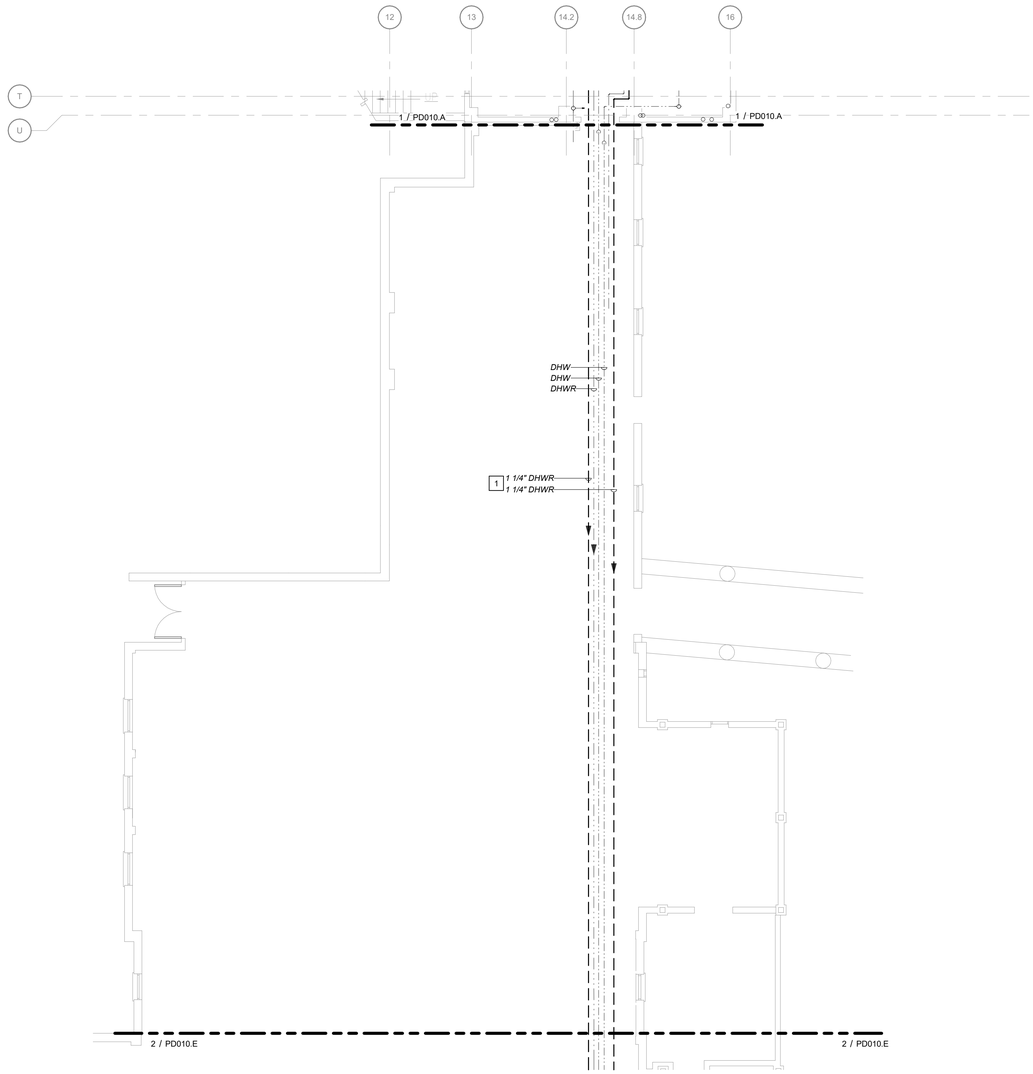
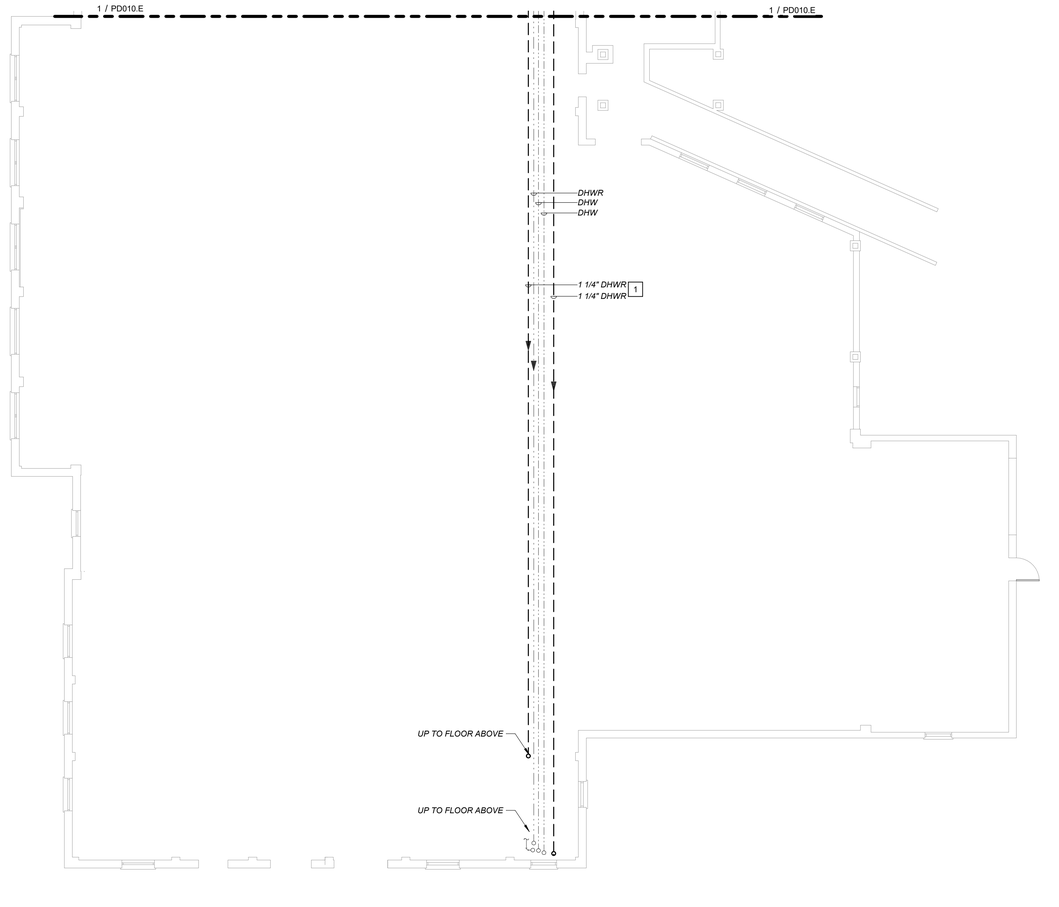


1 **CRAWL SPACE PLUMBING DEMOLITION PLAN - BUILDING 4 NORTH**
Scale: 1/8" = 1'-0"



2 **CRAWL SPACE PLUMBING DEMOLITION PLAN - BUILDING 4 SOUTH**
Scale: 1/8" = 1'-0"

SHEET NOTES:

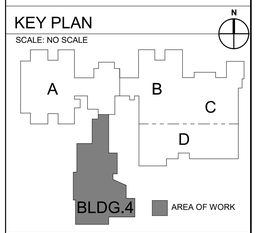
A. DEMOLITION WORK SHOWN ON THIS SHEET SHALL HAPPEN AFTER NEW WORK ON PP010.E IS PERFORMED TO MINIMIZE THE DURATION OF SHUT DOWNS WHILE PERFORMING SWITCHOVER TO NEW SYSTEM.

B. NEW WORK SHOWN ON PP010.E IS SHOWN AS EXISTING ON THIS SHEET.

KEY NOTES:

1 DEMOLISH EXISTING DHWR PIPING AS INDICATED AFTER NEW DHWR PIPING IS INSTALLED.

KEY PLAN
SCALE: NO SCALE



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#	Revisions:	Date

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7/18/2025

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ACG Project Number 23-039

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VA U.S. Department of Veterans Affairs

Drawing Title: CRAWL SPACE PLUMBING DEMOLITION PLAN - BUILDING 4

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

Approved

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

VA PROJECT NUMBER 619-23-105

Building Number # 1

Drawing Number PD010.E

Dwg 8 of 56

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SHEET NOTES:

A. DEMOLITION OF DEAD LEGS SHALL BE PER PLUMBING DEMOLITION GENERAL NOTE 10.

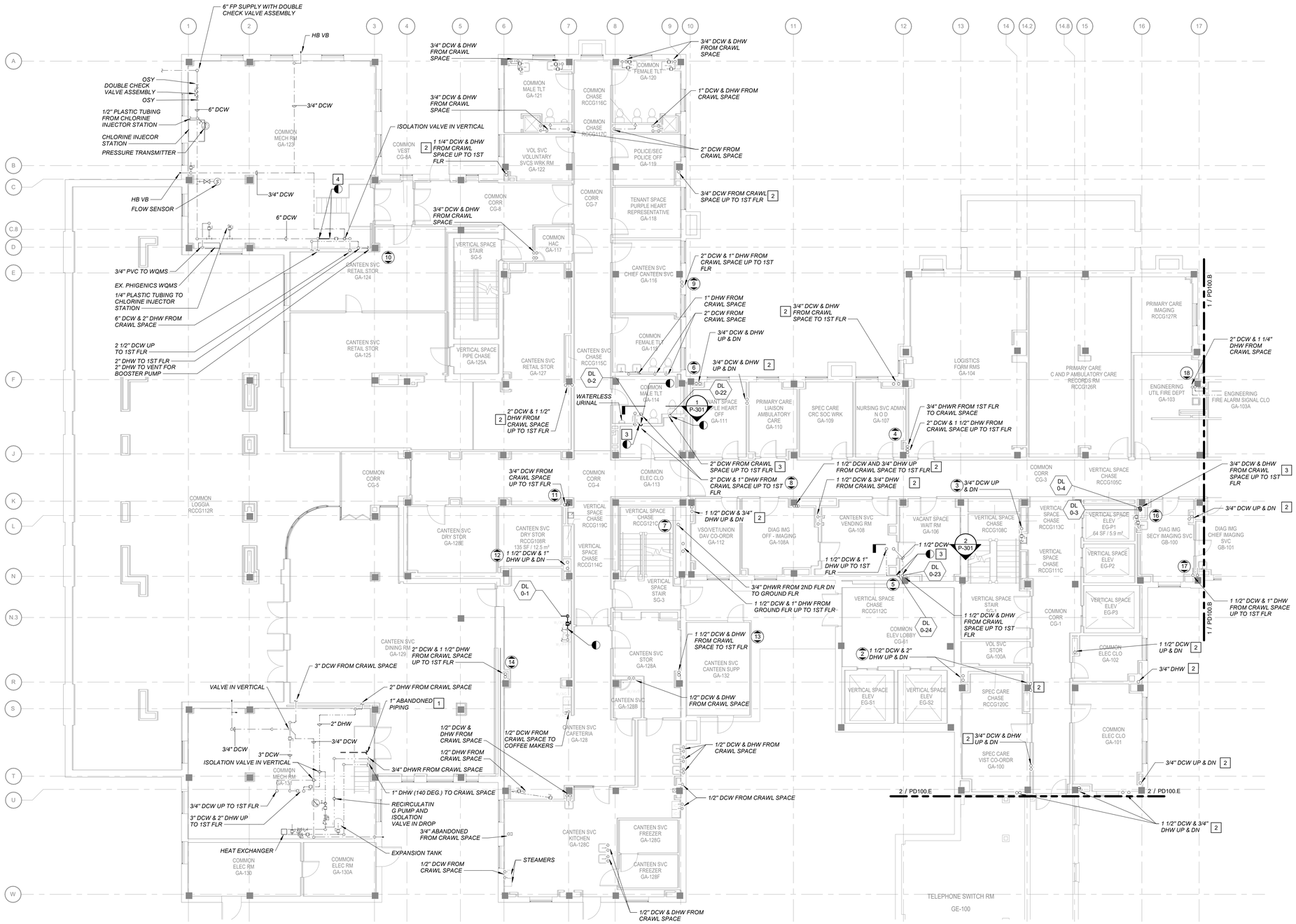
KEY NOTES:

1 DEMOLISH ABANDONED PIPING AND ASSOCIATED INSULATION AND HANGERS BACK TO SLAB PENETRATION AND CUT FLUSH WITH THE SLAB AND CAP.

2 PIPING INSIDE WALLS/CHASES SHALL BE ABANDONED. REFER TO PLUMBING DEMOLITION GENERAL NOTE 10.

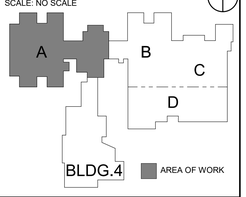
3 PIPING ASSOCIATED WITH THIS RISER IS A DEAD LEG FROM VERTICAL TAP TO THE FLOORS ABOVE. DEMOLISH DEAD LEG FROM VERTICAL TAP INSIDE THE WALL / CHASE TO THE SLAB ABOVE AND CAP AT WATERSIDE.

4 DISCONNECT DOMESTIC COLD WATER AS INDICATED AFTER NEW DCW MAIN IS INSTALLED. CAP WITHIN TWO PIPE DIAMETRS OF MAIN.



KEY PLAN

SCALE: NO SCALE



1 GROUND FLOOR PLUMBING DEMOLITION PLAN - AREA A

Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

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100% CONSTRUCTION DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

COMMONWEALTH OF VIRGINIA
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7/18/2025

PROJECT MANAGER

ACG Project Number 23-039

APOGEE Engineers | Architects

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: GROUND FLOOR PLUMBING DEMOLITION PLAN - AREA A

Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER 619-23-105

Building Number # 1

Approved

Date JULY 16, 2025 | Checked SMR | Drawn SMR

Drawing Number PD100.A

Dwg 9 of 56

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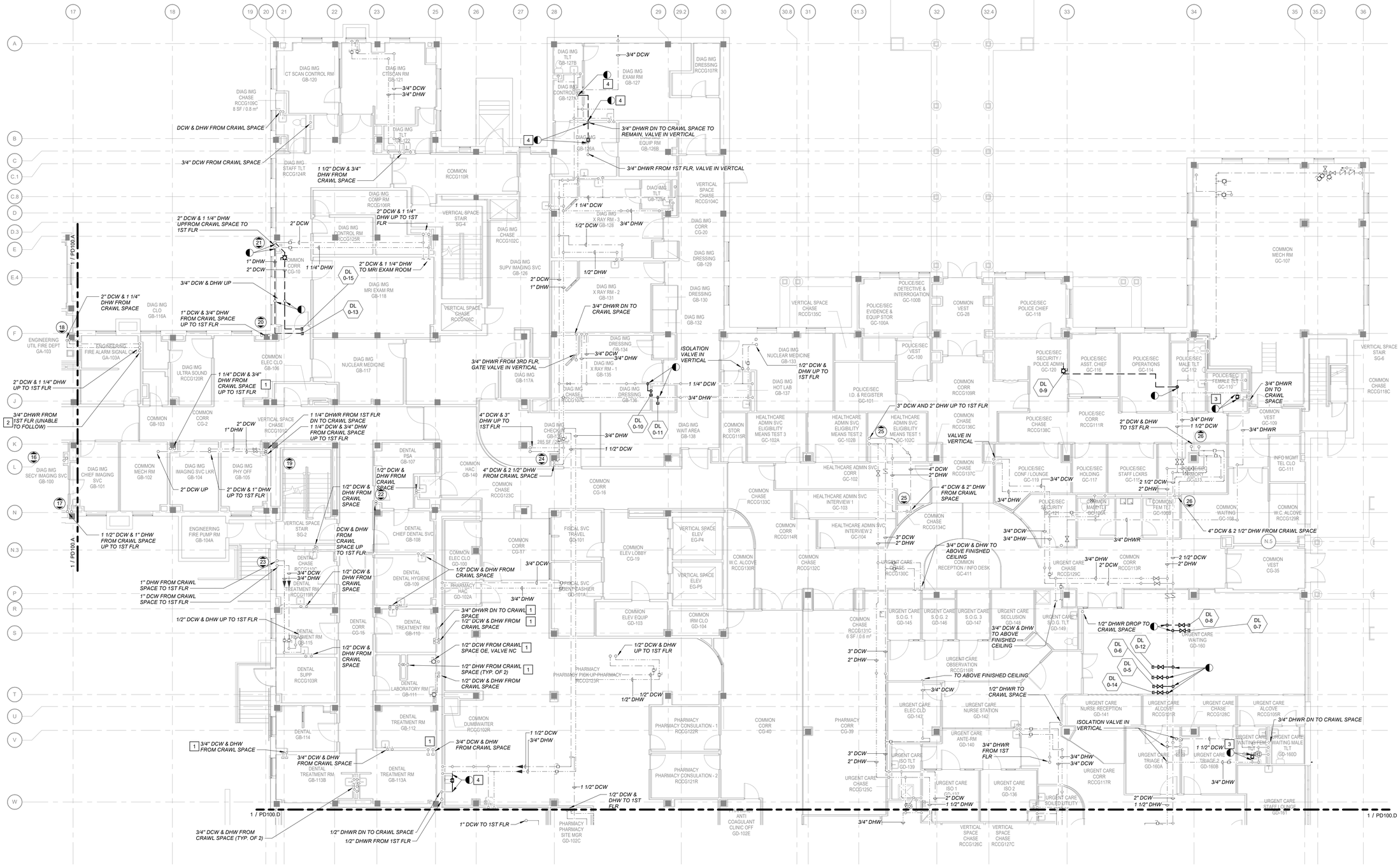
SHEET NOTES:

A. DEMOLITION OF DEAD LEGS SHALL BE PER PLUMBING DEMOLITION GENERAL NOTE 10.

KEY NOTES:

1. PIPING INSIDE WALLS/CHASES SHALL BE ABANDONED. REFER TO PLUMBING DEMOLITION GENERAL NOTE 10.
2. DISCONNECT DHWR PIPING FROM DHW AND CAP AT WATERSIDE PIPING PER GENERAL DEMOLITION NOTE 10.
3. DEMOLISH BALANCING VALVE AND PREPARE TO REPLACE WITH THERMOSTATIC BALANCING VALVE ASSEMBLY.
4. DEMOLISH DHWR PIPING AS INDICATED AND PREPARE TO RECONNECT TO NEW DHWR PIPING.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DIAG IMG CT SCAN CONTROL RM GB-120
DIAG IMG CT/SCAN RM GB-121
DIAG IMG TLT GB-122
DIAG IMG STAFF TLT RCCG124R
DIAG IMG COMP RM RCCG108R
DIAG IMG CONTROL RM RCCG125R
DIAG IMG CHASE RCCG102C
DIAG IMG SUPV IMAGING SVC GB-126
DIAG IMG MRI EXAM RM GB-118
DIAG IMG CLO GB-116A
DIAG IMG NUCLEAR MEDICINE GB-117
DIAG IMG ULTRA SOUND RCCG126R
DIAG IMG SECY IMAGING SVC GB-100
DIAG IMG CHIEF IMAGING SVC GB-101
DIAG IMG IMAGING SVC LKR GB-104
DIAG IMG PHY OFF GB-105
DIAG IMG TLT GB-127B
DIAG IMG CONTROL GB-127A
DIAG IMG EXAM RM GB-127
DIAG IMG TLT GB-128A
DIAG IMG EQUIP RM GB-126B
DIAG IMG X RAY RM - 3 GB-128
DIAG IMG X RAY RM - 2 GB-131
DIAG IMG X RAY RM - 1 GB-135
DIAG IMG DRESSING GB-134
DIAG IMG DRESSING GB-136
DIAG IMG CHASE RCCG107C
DIAG IMG CHECK GB-133
285 SF / 28.5 m²
DIAG IMG DRESSING RCCG107R
DIAG IMG CORR CG-20
DIAG IMG DRESSING GB-129
DIAG IMG DRESSING GB-130
DIAG IMG GB-132
DIAG IMG GB-117A
DIAG IMG NUCLEAR MEDICINE GB-133
DIAG IMG HOT LAB GB-137
DIAG IMG WAIT AREA GB-138
VERTICAL SPACE CHASE RCCG104C
VERTICAL SPACE STAIR SG-1
VERTICAL SPACE CHASE RCCG108C
VERTICAL SPACE CHASE RCCG135C
VERTICAL SPACE STAIR SG-6
COMMON RCCG110R
COMMON CORR RCCG109R
COMMON ELEC CLO GB-106
COMMON CORR CG-2
COMMON GB-103
COMMON MECH RM GB-102
COMMON MECH RM GC-107
COMMON CHASE RCCG118C
COMMON VEST GC-109
COMMON VEST CG-28
COMMON VEST CG-35
COMMON CORR RCCG109R
COMMON CHASE RCCG136C
COMMON CHASE RCCG138C
COMMON CORR RCCG111R
COMMON STOR RCCG115R
COMMON CHASE RCCG123C
COMMON CORR CG-16
COMMON CORR CG-17
COMMON HAC GB-140
COMMON ELEV LOBBY CG-19
COMMON ELEV EQUIP GD-103
COMMON IRM CLO GD-104
COMMON ELEC CLO GD-105
COMMON DUMBWAITER RCCG102R
COMMON CHASE RCCG133C
COMMON CORR RCCG114R
COMMON CHASE RCCG134C
COMMON CHASE RCCG132C
COMMON W.C. ALCOVE RCCG130R
COMMON CHASE RCCG131C 6 SF / 0.6 m²
COMMON CHASE RCCG137C
COMMON CORR RCCG117R
COMMON CHASE RCCG129C
COMMON CORR RCCG113R
COMMON W.C. ALCOVE RCCG129R
COMMON CORR CG-39
COMMON CORR CG-40
COMMON WAITING GC-108
COMMON W.C. ALCOVE RCCG108R
COMMON MAINT'T GC-105
COMMON TEMP GD-106B
COMMON ELEV TRAVEL GC-101
COMMON RECEPTION / INFO DESK GC-411
COMMON CHASE RCCG127C
COMMON CHASE RCCG126C
COMMON CHASE RCCG125C
COMMON CHASE RCCG128C
COMMON CHASE RCCG105C
COMMON WAITING GD-160
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COMMON CHASE

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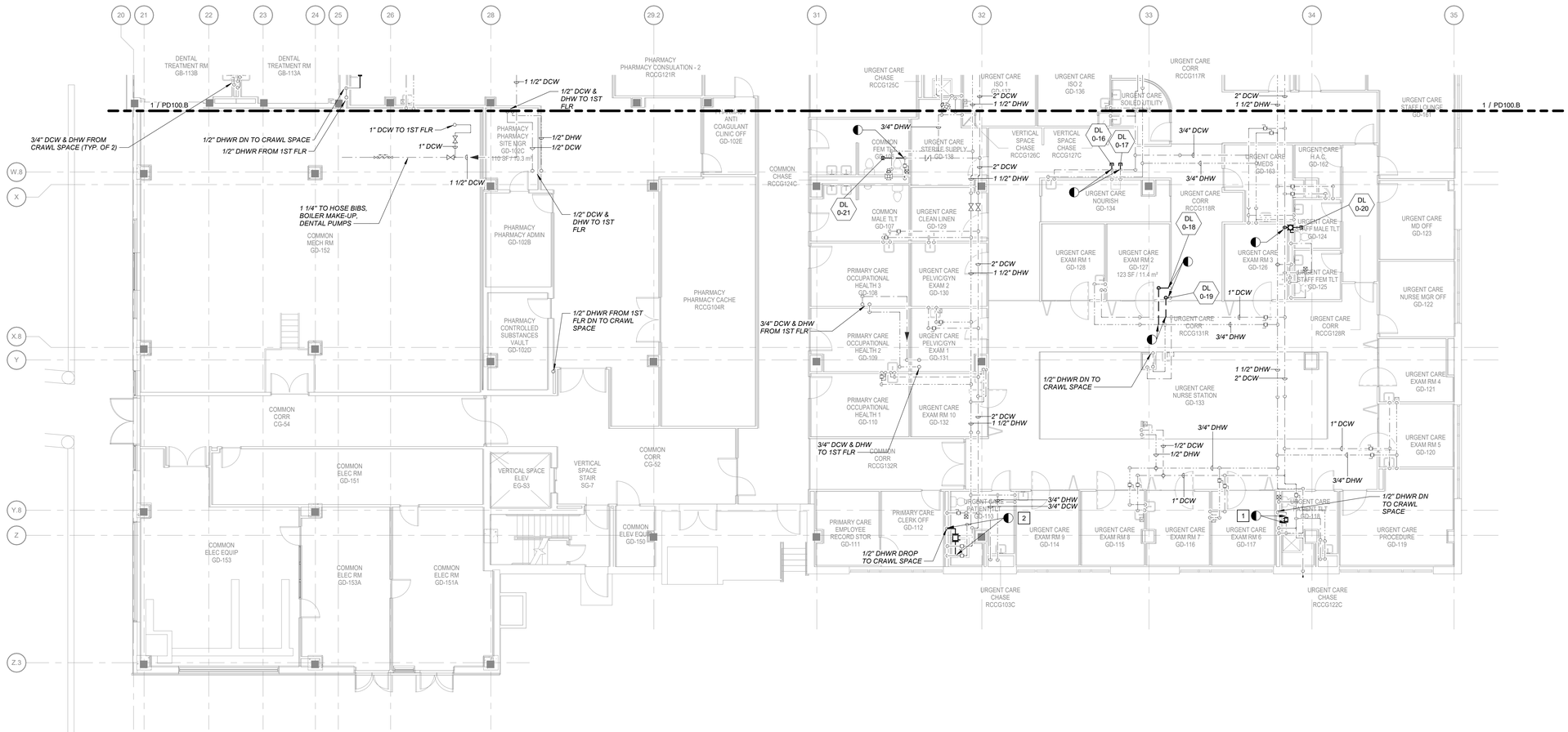


1 GROUND FLOOR PLUMBING DEMOLITION PLAN - AREA D

Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

SHEET NOTES:

A. DEMOLITION OF DEAD LEGS SHALL BE PER PLUMBING DEMOLITION GENERAL NOTE 10.

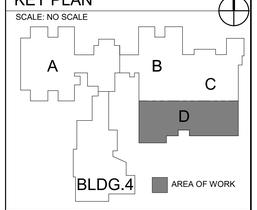
KEY NOTES:

1 DEMOLISH BALANCING VALVE AND PREPARE TO REPLACE WITH THERMOSTATIC BALANCING VALVE ASSEMBLY.

2 DEMOLISH DHWR PIPING AS INDICATED AND PREPARE TO RECONNECT TO NEW DHWR PIPING.

KEY PLAN

SCALE: NO SCALE



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100% CONSTRUCTION DOCUMENTS

#	Revisions:	Date

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Svetlana M. Reid
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Lic. No. 0402068436
PROFESSIONAL ENGINEER
7/18/2025

PROJECT MANAGER

ACG Project Number 23-039

APOGEE Engineers | Architects

Headquarters:
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1151 Kildaire Farm Road
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: GROUND FLOOR PLUMBING DEMOLITION PLAN - AREA D

Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER 619-23-105

Building Number # 1

Approved

Date JULY 16, 2025 | Checked SMR | Drawn SMR

Drawing Number PD100.D

Dwg 11 of 56

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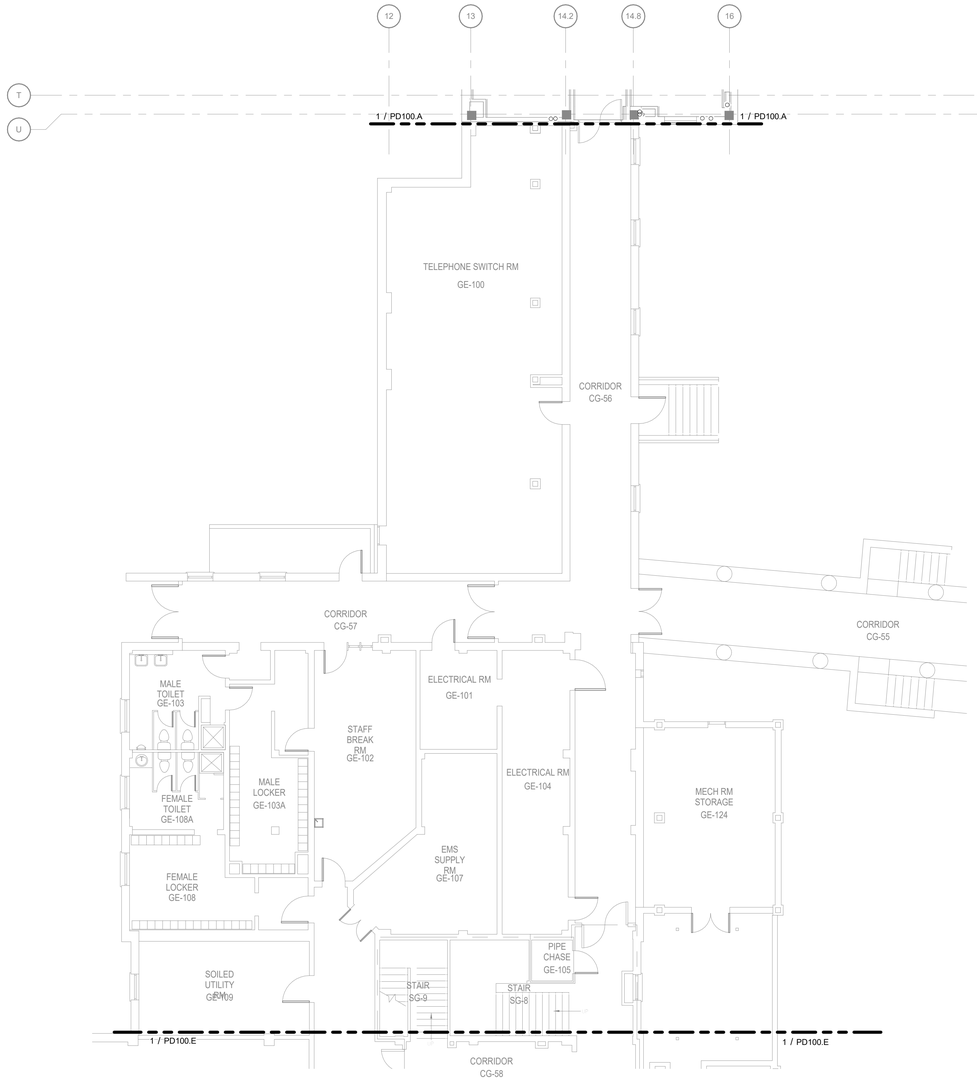
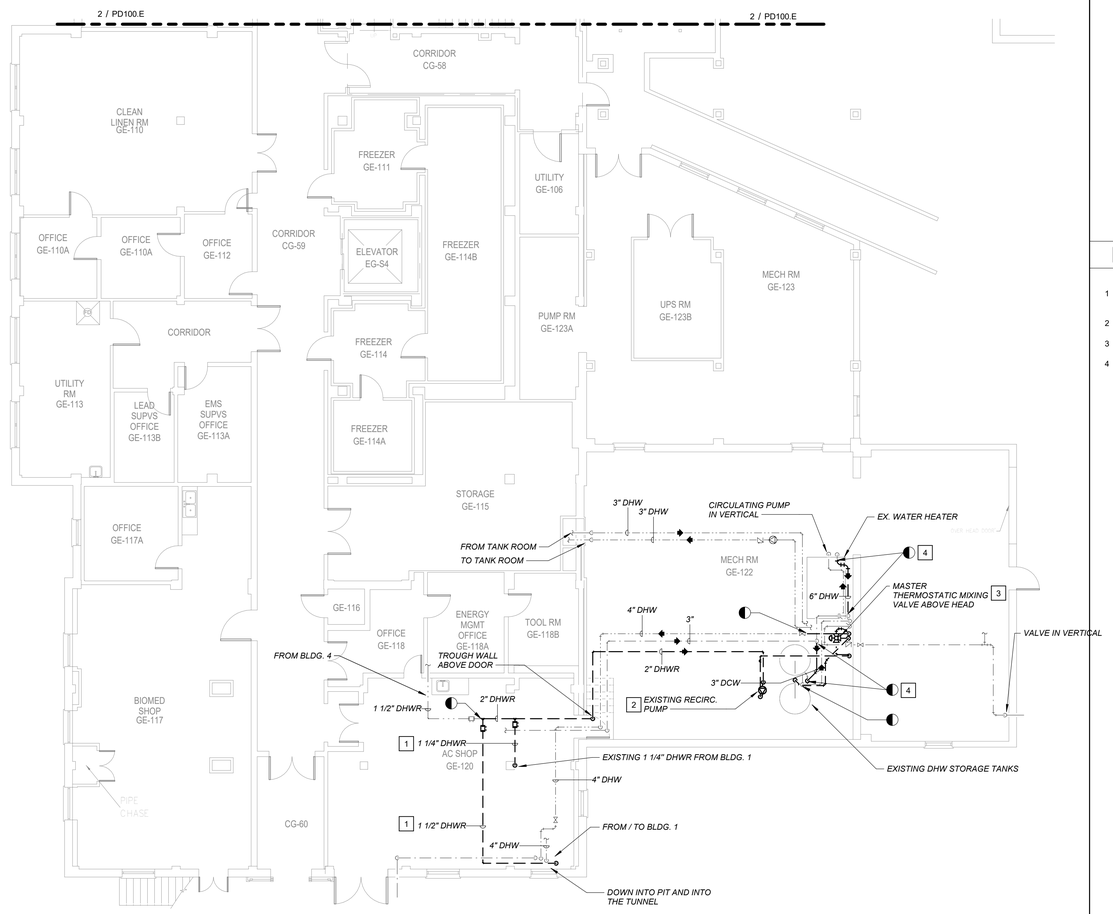


2 GROUND FLOOR PLUMBING DEMOLITION PLAN - BUILDING 4 NORTH

Scale: 1/8" = 1'-0"

0 4 8 16 NORTH



1 GROUND FLOOR PLUMBING DEMOLITION PLAN - BUILDING 4 SOUTH

Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

SHEET NOTES:

A. DEMOLITION WORK SHOWN ON THIS SHEET SHALL HAPPEN AFTER NEW WORK ON PP100.E IS PERFORMED TO MINIMIZE THE DURATION OF SHUT DOWNS WHILE PERFORMING SWITCHOVER TO NEW SYSTEM.

B. TEMPORARILY CONNECT NEW RECIRCULATING PUMPS AND MASTER THERMOSTATIC MIXING VALVE STATION TO EXISTING MAINS. PERFORM SWITCHOVER TO NEW DHWR MAIN AFTER MAIN IS INSTALLED.

KEY NOTES:

1 DEMOLISH EXISTING DHWR MAINS SERVING BUILDING 1 AS INDICATED AFTER NEW DHWR MAIN IS INSTALLED.

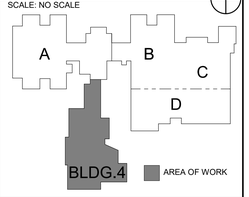
2 DEMOLISH EXISTING RECIRCULATING PUMP AND DHWR MAIN AS INDICATED.

3 DEMOLISH MASTER THERMOSTATIC MIXING VALVE AND ASSOCIATED PIPING.

4 REPLACE LEAKING PORTION OF DOMESTIC WATER PIPE.

KEY PLAN

SCALE: NO SCALE



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#	Revisions:	Date

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7/18/2025

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ACG Project Number 23-039

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: GROUND FLOOR PLUMBING DEMOLITION PLAN - BUILDING 4

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

Approved

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Drawing Number: PD100.E

Dwg 12 of 56

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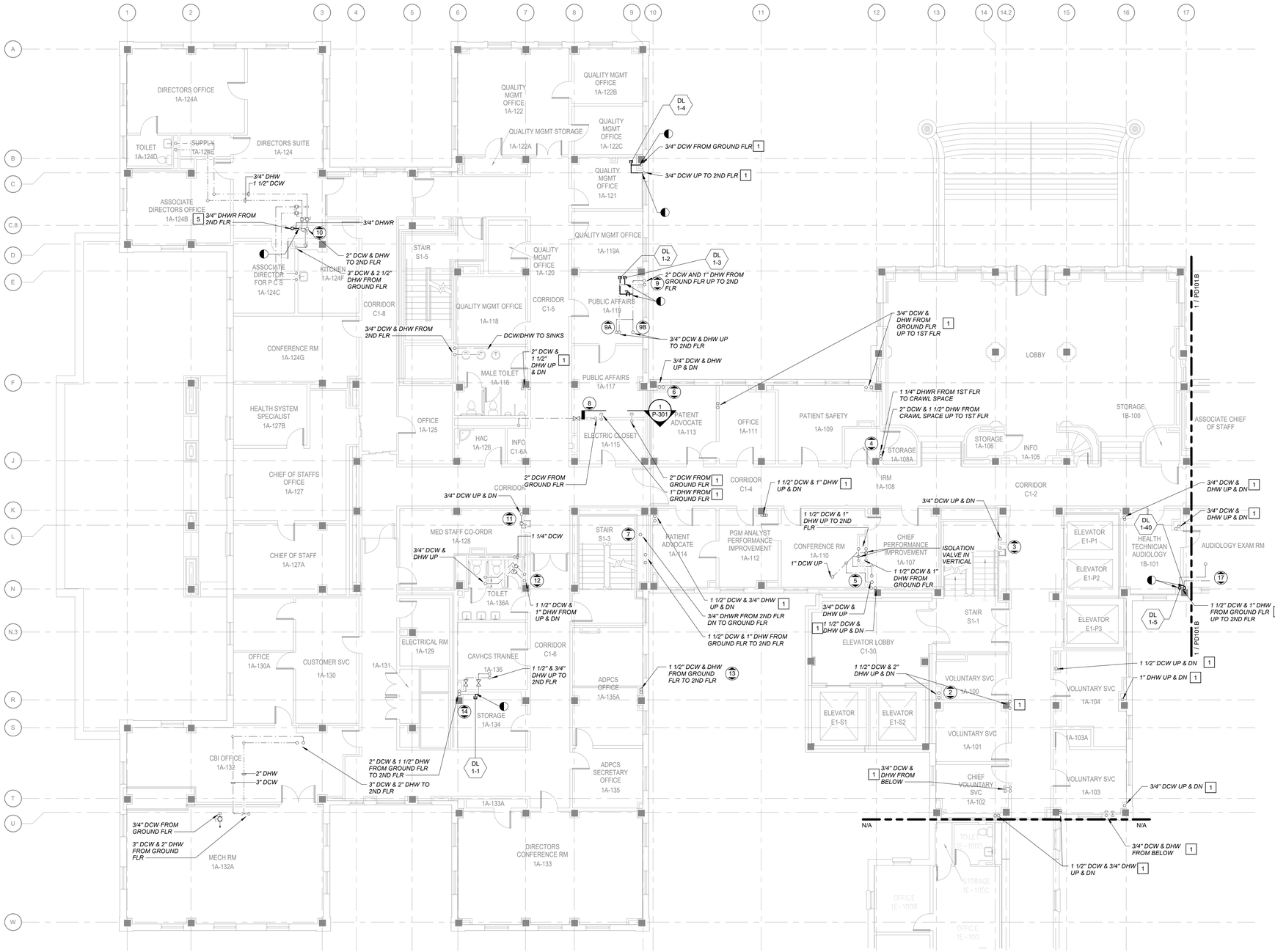


SHEET NOTES:

A. DEMOLITION OF DEAD LEGS SHALL BE PER PLUMBING DEMOLITION GENERAL NOTE 10.

KEY NOTES:

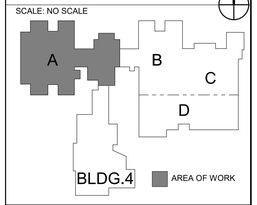
1 PIPING INSIDE WALLS/CHASES SHALL BE ABANDONED. REFER TO PLUMBING DEMOLITION GENERAL NOTE 10.

2 PIPING ASSOCIATED WITH THIS RISER IS A DEAD LEG FROM VERTICAL TAP TO THE FLOORS ABOVE. DEMOLISH DEAD LEG FROM VERTICAL TAP INSIDE THE WALL / CHASE TO THE SLAB ABOVE AND CAP AT WATERSIDE

5 DISCONNECT DHWR FROM DHW PIPING AND CAP AT WATERSIDE. DEMOLISH DHWR AFTER NEW DHWR IS INSTALLED.

KEY PLAN

SCALE: NO SCALE



1 FIRST FLOOR PLUMBING DEMOLITION PLAN - AREA A

Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

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#	Revisions:	Date

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VA U.S. Department of Veterans Affairs

Drawing Title: FIRST FLOOR PLUMBING DEMOLITION PLAN - AREA A

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Approved

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

Drawing Number: PD101.A

Dwg 13 of 56

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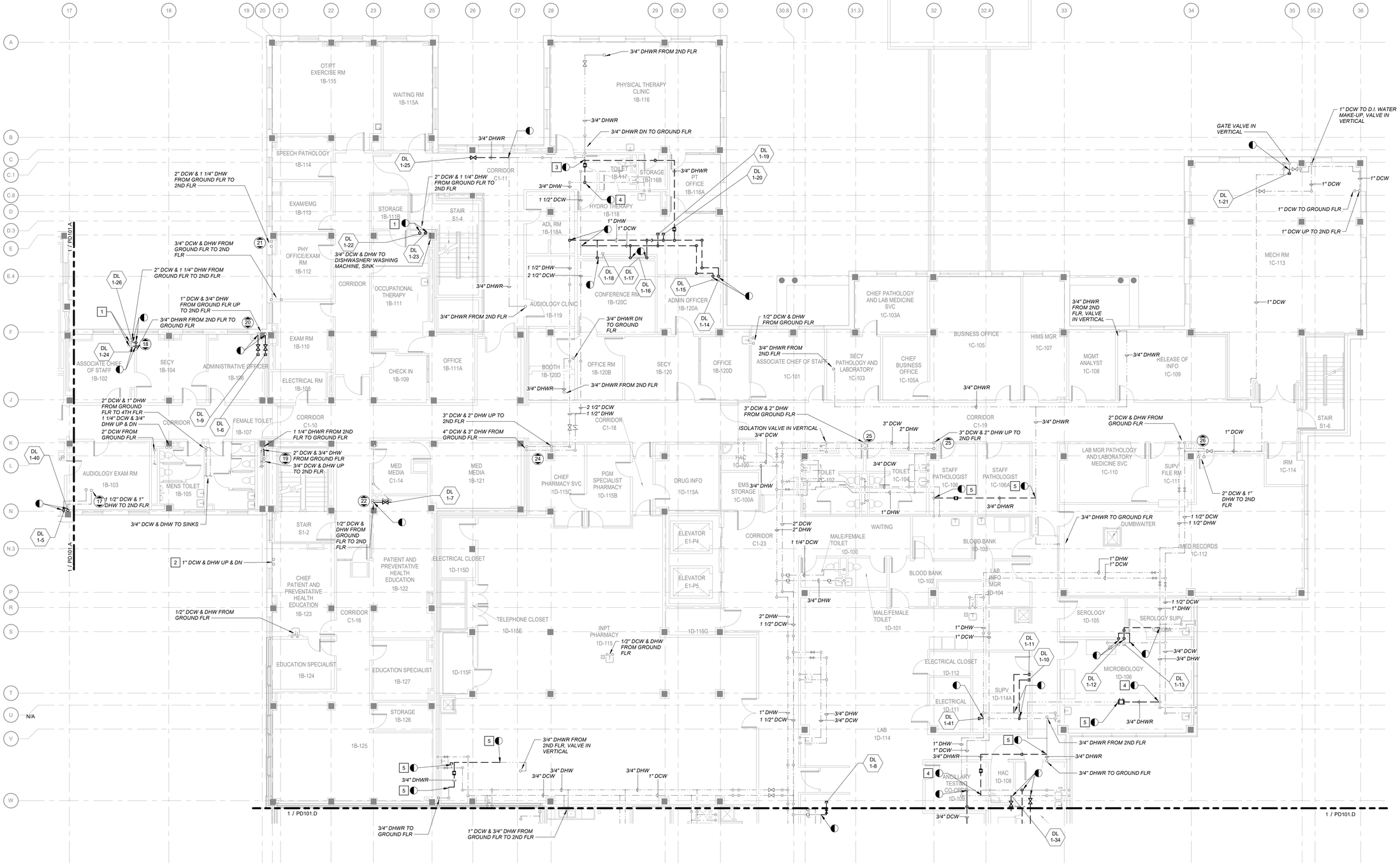
SHEET NOTES:

A. DEMOLITION OF DEAD LEGS SHALL BE PER PLUMBING DEMOLITION GENERAL NOTE 10.

KEY NOTES:

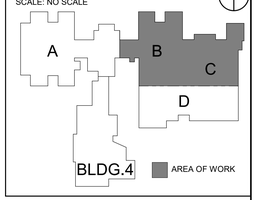
1. PIPING ASSOCIATED WITH THIS RISER IS A DEAD LEG FROM VERTICAL TAP TO THE FLOORS ABOVE. DEMOLISH DEAD LEG FROM VERTICAL TAP INSIDE THE WALL / CHASE TO THE SLAB ABOVE AND CAP AT WATERSIDE.
2. PIPING INSIDE WALLS/CHASES SHALL BE ABANDONED. REFER TO PLUMBING DEMOLITION GENERAL NOTE 10.
3. DEMOLISH DHWR PIPING AS INDICATED AND PREPARE TO RECONNECT TO NEW DHWR PIPING.
4. DEMOLISH DOMESTIC WATER PIPING AS INDICATED AND CAP AT WATERSIDE.
5. DEMOLISH DHWR PIPING AS INDICATED AND PREPARE TO RECONNECT TO NEW DHWR PIPING.



1 FIRST FLOOR PLUMBING DEMOLITION PLAN - AREA B & C
Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

KEY PLAN
SCALE: NO SCALE



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#	Revisions:	Date

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Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: FIRST FLOOR PLUMBING DEMOLITION PLAN - AREA B & C
Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1
Approved
Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

VA PROJECT NUMBER: 619-23-105
Building Number: # 1
Drawing Number: PD101.B
Dwg 14 of 56

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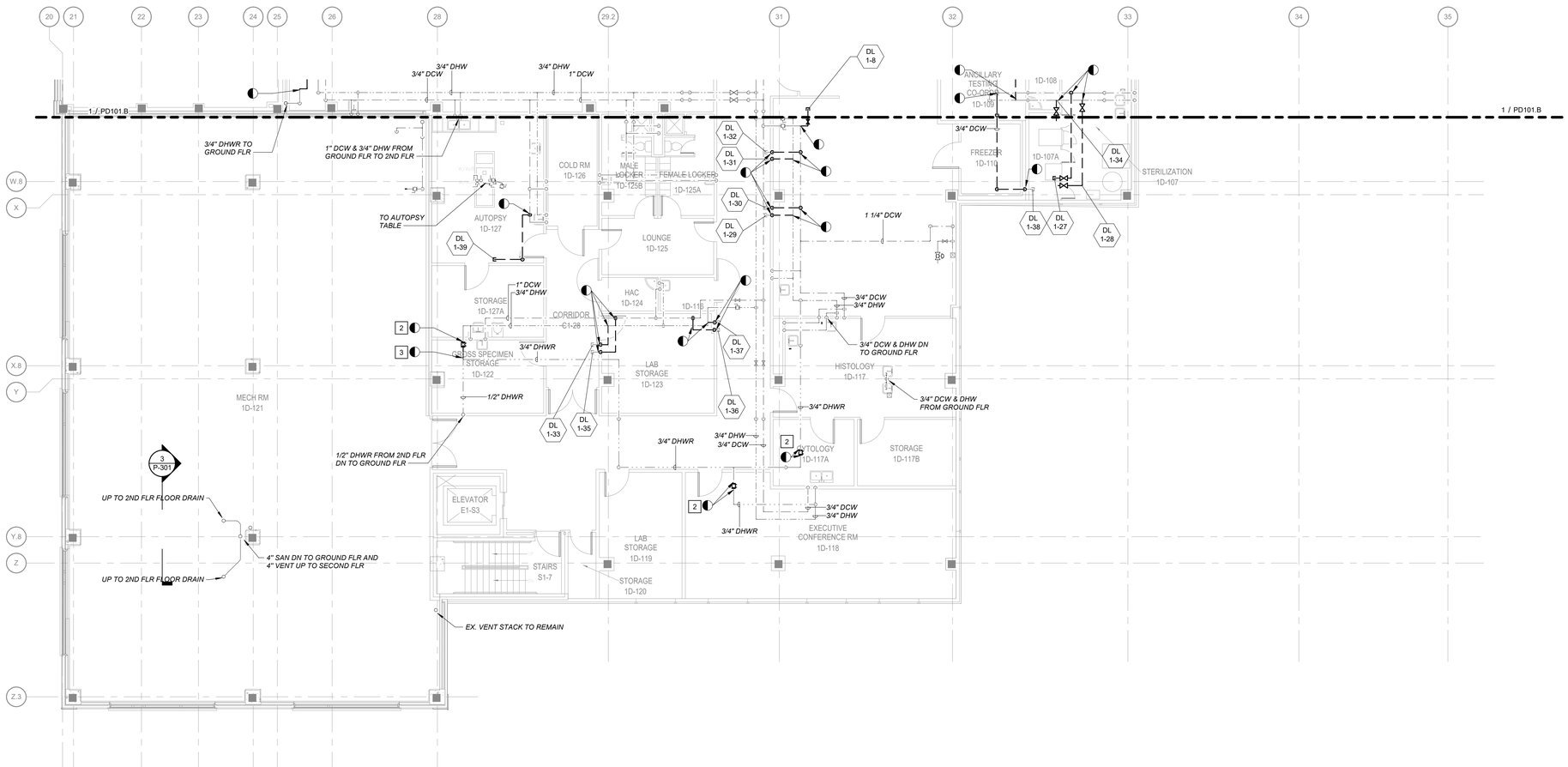


1 FIRST FLOOR PLUMBING DEMOLITION PLAN - AREA D

Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

SHEET NOTES:

A. DEMOLITION OF DEAD LEGS SHALL BE PER PLUMBING DEMOLITION GENERAL NOTE 10.

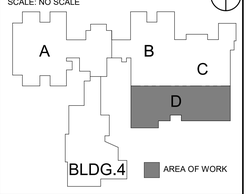
KEY NOTES:

2 DEMOLISH BALANCING VALVE AND PREPARE TO REPLACE WITH THERMOSTATIC BALANCING VALVE ASSEMBLY.

3 DEMOLISH DHWR PIPING AS INDICATED AND PREPARE TO RECONNECT TO NEW DHWR PIPING.

KEY PLAN

SCALE: NO SCALE



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Drawing Title: FIRST FLOOR PLUMBING DEMOLITION PLAN - AREA D

Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

Approved

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

VA PROJECT NUMBER 619-23-105

Building Number # 1

Drawing Number PD101.D

Dwg 15 of 56

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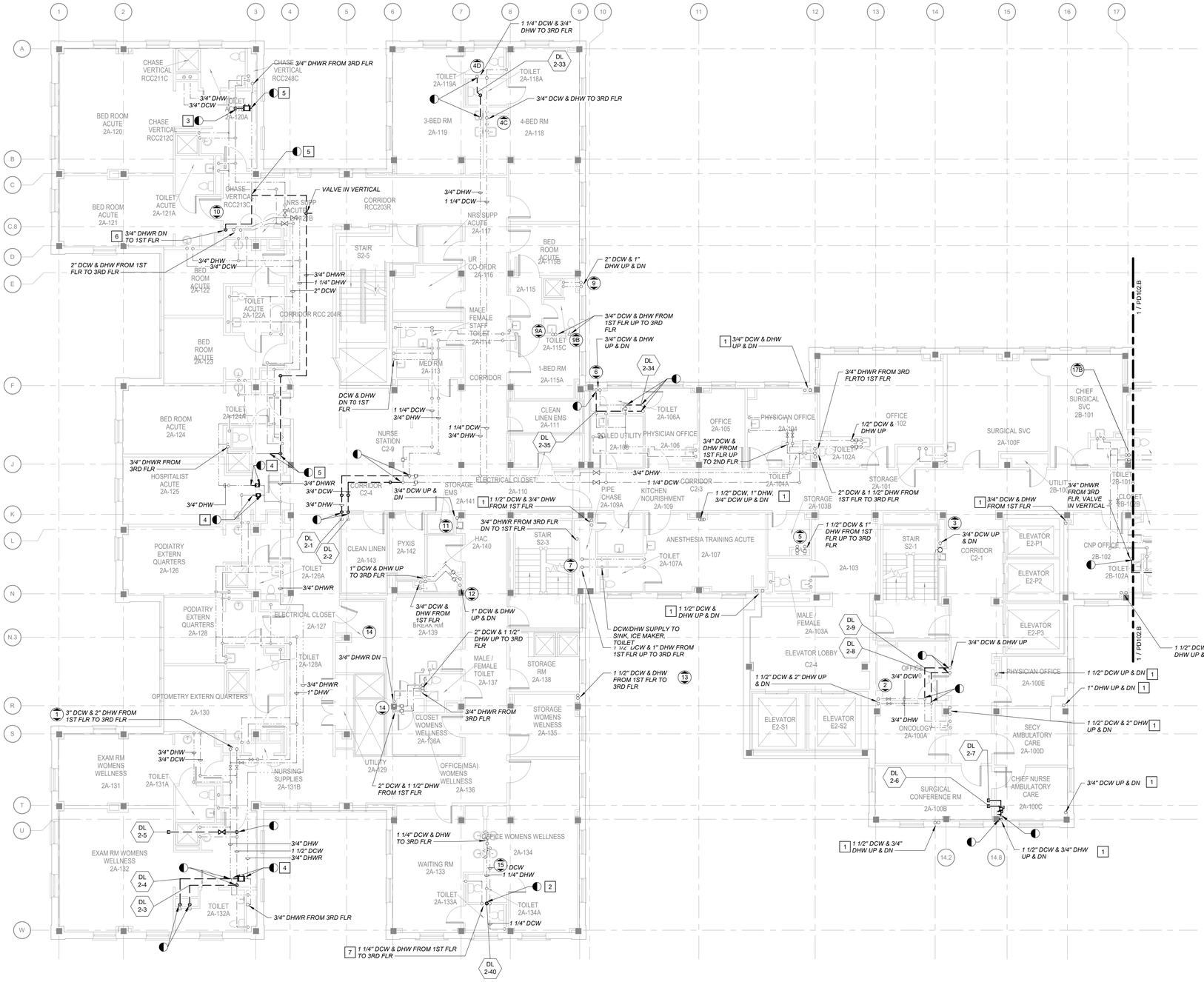


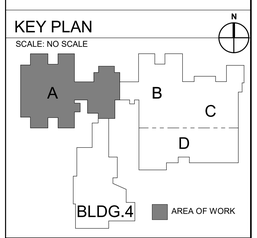
SHEET NOTES:

A. DEMOLITION OF DEAD LEGS SHALL BE PER PLUMBING DEMOLITION GENERAL NOTE 10.

KEY NOTES:

1. PIPING INSIDE WALLS/CHASES SHALL BE ABANDONED. REFER TO PLUMBING DEMOLITION GENERAL NOTE 10.
2. PIPING ASSOCIATED WITH THIS RISER IS A DEAD LEG FROM VERTICAL TAP TO THE FLOORS ABOVE. DEMOLISH DEAD LEG FROM VERTICAL TAP INSIDE THE WALL / CHASE TO THE SLAB ABOVE AND CAP AT WATERSIDE.
3. DEMOLISH DOMESTIC WATER PIPING AS INDICATED AND CAP.
4. DEMOLISH BALANCING VALVE AND PREPARE TO REPLACE WITH THERMOSTATIC BALANCING VALVE ASSEMBLY.
5. DEMOLISH DOMESTIC WATER PIPING AS INDICATED AND PREPARE TO RECONNECT TO NEW DOMESTIC WATER PIPING.
6. DEMOLISH DHWR RISER TO FIRST FLOOR AFTER NEW DHWR RISER IS INSTALLED.
7. UNABLE TO FOLLOW. VERIFY ORIGIN OF SUPPLY.

KEY PLAN
SCALE: NO SCALE



1 SECOND FLOOR PLUMBING DEMOLITION PLAN - AREA A
Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

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#	Revisions:	Date

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VA U.S. Department of Veterans Affairs

Drawing Title: SECOND FLOOR PLUMBING DEMOLITION PLAN - AREA A
Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109
Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1
Approved
Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

VA PROJECT NUMBER 619-23-105
Building Number # 1
Drawing Number PD102.A
Dwg 16 of 56

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SHEET NOTES:

A. DEMOLITION OF DEAD LEGS SHALL BE PER PLUMBING DEMOLITION GENERAL NOTE 10.

KEY NOTES:

1 PIPING INSIDE WALLS/CHASES SHALL BE ABANDONED. REFER TO PLUMBING DEMOLITION GENERAL NOTE 10.

2 PIPING ASSOCIATED WITH THIS RISER IS A DEAD FROM VERTICAL TAP TO THE FLOORS ABOVE. DEMOLISH DEAD LEG FROM VERTICAL TAP INSIDE THE WALL / CHASE TO THE SLAB ABOVE AND CAP AT WATERSIDE.

3 DEMOLISH ABANDONED PIPING AS INDICATED AND CAP AT SLAB.

4 DEMOLISH DOMESTIC WATER PIPING AS INDICATED AND CAP AT WATERSIDE.

5 DEMOLISH DOMESTIC WATER PIPING AS INDICATED AND PREPARE TO RECONNECT TO NEW DOMESTIC WATER PIPING.

6 UNABLE TO FOLLOW. VERIFY ORIGIN OF SUPPLY.

7 HATCHED AREA CONTAINS HARD CEILING.

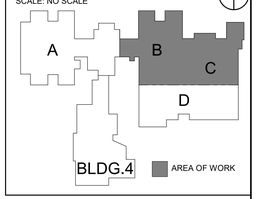
1 SECOND FLOOR PLUMBING DEMOLITION PLAN - AREA B & C

Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

KEY PLAN

SCALE: NO SCALE



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7/18/2025

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ACG Project Number 23-039

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VA U.S. Department of Veterans Affairs

Drawing Title: SECOND FLOOR PLUMBING DEMOLITION PLAN - AREA B & C

Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

Approved

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

VA PROJECT NUMBER 619-23-105

Building Number # 1

Drawing Number PD102.B

Dwg 17 of 56

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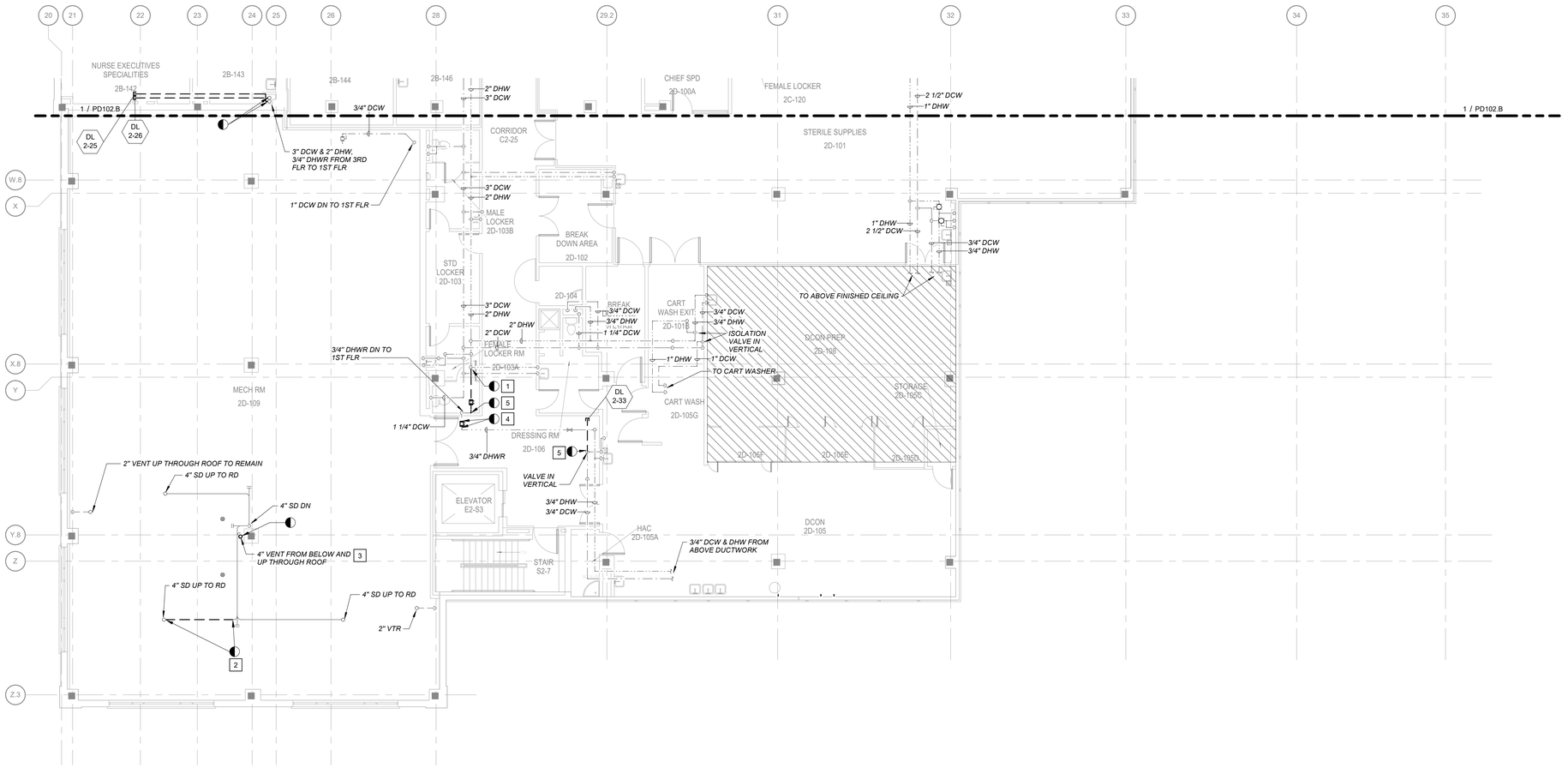


1 SECOND FLOOR PLUMBING DEMOLITION PLAN - AREA D

Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

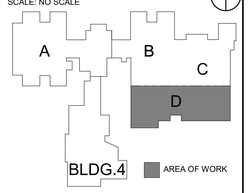
SHEET NOTES:

A. DEMOLITION OF DEAD LEGS SHALL BE PER PLUMBING DEMOLITION GENERAL NOTE 10.

KEY NOTES:

1 DEMOLISH DOMESTIC WATER PIPING AS INDICATED AND CAP.
2 DEMOLISH 4" SD AS INDICATED AND CAP AT MAIN.
3 DEMOLISH VENT PIPING THROUGH ROOF AND PREPARE TO REROTE.
4 DEMOLISH BALANCING VALVE AND PREPARE TO REPLACE WITH THERMOSTATIC BALANCING VALVE ASSEMBLY.
5 DEMOLISH DHWR PIPING AS INDICATED AND PREPARE TO RECONNECT TO NEW DHWR PIPING.

KEY PLAN
SCALE: NO SCALE



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CONSULTANTS:

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7/18/2025

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ACG Project Number 23-039

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VA U.S. Department of Veterans Affairs

Drawing Title: SECOND FLOOR PLUMBING DEMOLITION PLAN - AREA D

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Approved:

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

Drawing Number: PD102.D

Dwg 18 of 56

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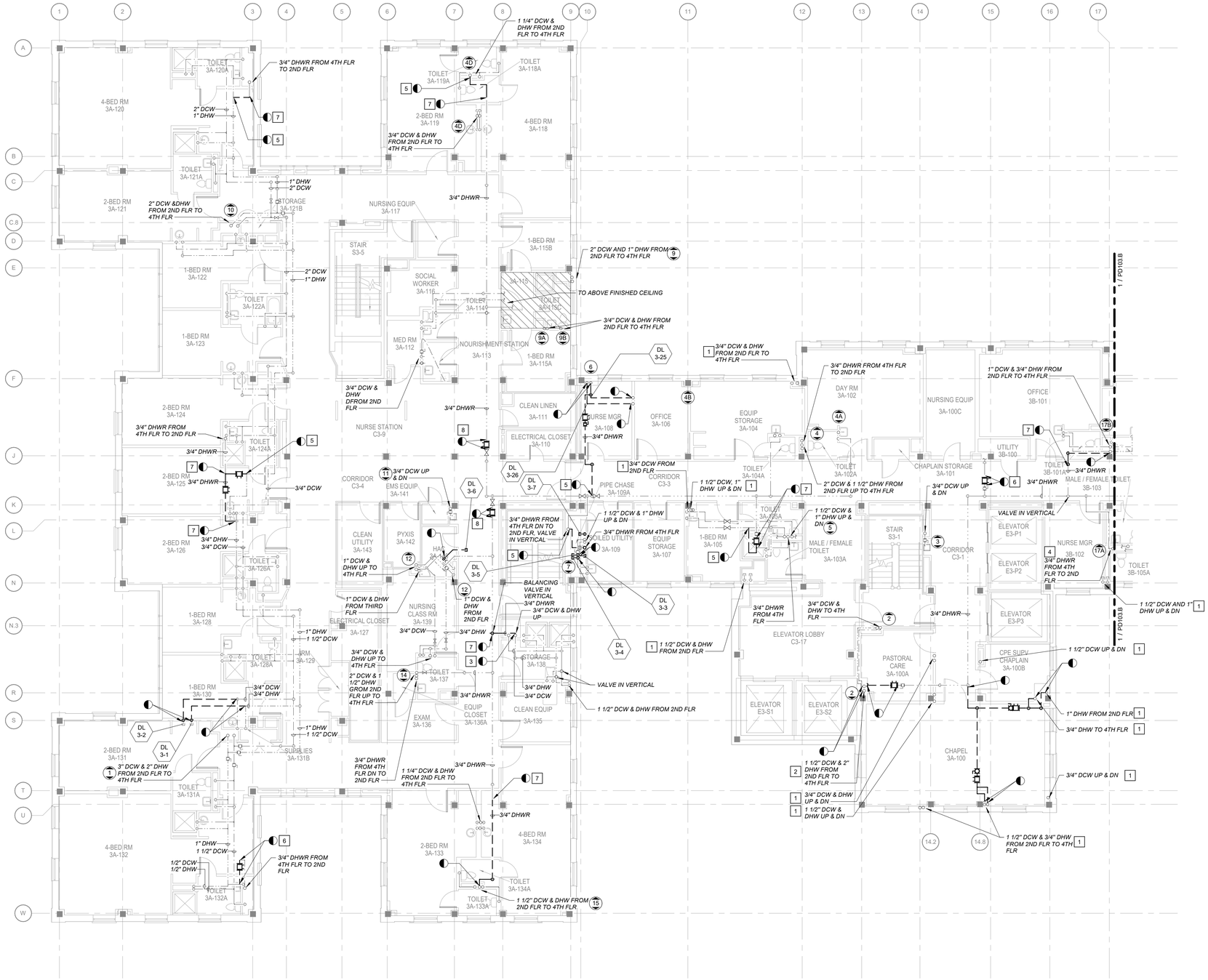


1 THIRD FLOOR PLUMBING DEMOLITION PLAN - AREA A
Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

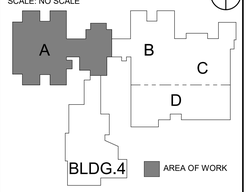
SHEET NOTES:

A. DEMOLITION OF DEAD LEGS SHALL BE PER PLUMBING DEMOLITION GENERAL NOTE 10.

KEY NOTES:

1. PIPING INSIDE WALLS/CHASES SHALL BE ABANDONED. REFER TO PLUMBING DEMOLITION GENERAL NOTE 10.
2. PIPING ASSOCIATED WITH THIS RISER IS A DEAD LEG FROM VERTICAL TAP TO THE FLOORS ABOVE. DEMOLISH DEAD LEG FROM VERTICAL TAP INSIDE THE WALL / CHASE TO THE SLAB ABOVE AND CAP AT WATERSIDE
3. DISCONNECT DHWR PIPING FROM DHW AND CAP AT WATERSIDE PIPING PER GENERAL DEMOLITION NOTE 10.
4. DISCONNECT DHWR PIPING FROM VERTICAL TAP TO FLOOR BELOW. DEMOLISH PIPING TO FLOORS BELOW PER GENERAL DEMOLITION NOTE 10.
5. DEMOLISH DOMESTIC WATER PIPING AS INDICATED AND CAP AT WATERSIDE.
6. DEMOLISH BALANCING VALVE AND PREPARE TO REPLACE WITH THERMOSTATIC BALANCING VALVE ASSEMBLY.
7. DEMOLISH DOMESTIC WATER PIPING AS INDICATED AND PREPARE TO RECONNECT TO NEW DOMESTIC WATER PIPING.
8. DEMOLISH BALANCING VALVE AND REPLACE WITH STRAIGHT PIPE SEGMENT.

KEY PLAN
SCALE: NO SCALE



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ACG Project Number 23-039

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Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: THIRD FLOOR PLUMBING DEMOLITION PLAN - AREA A
Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1
VA PROJECT NUMBER: 619-23-105
Building Number: # 1
Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109
Approved:
Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR
Drawing Number: PD103.A
Dwg 19 of 56

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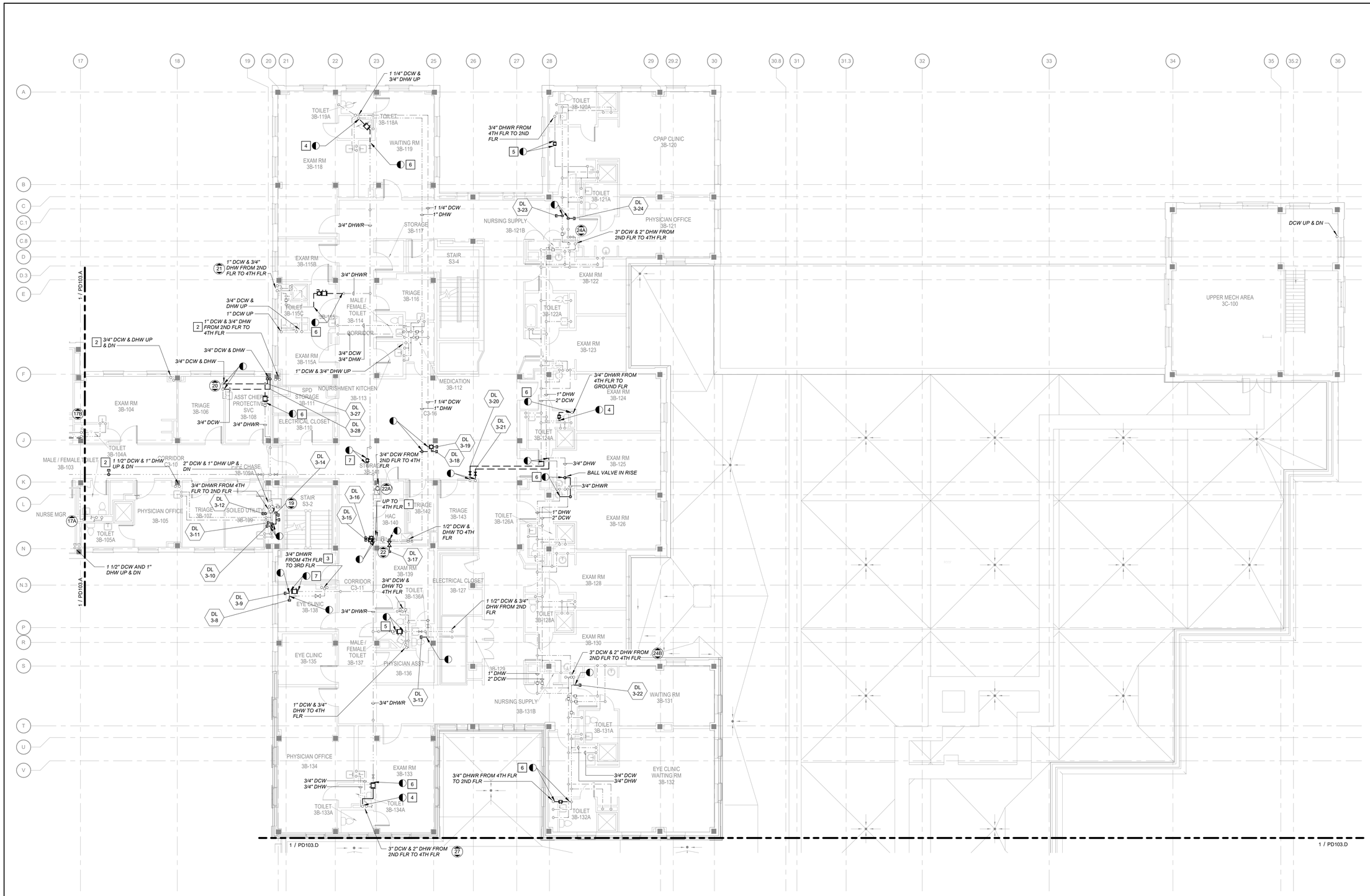


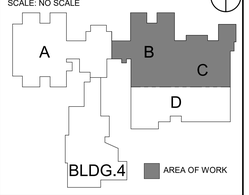
SHEET NOTES:

A. DEMOLITION OF DEAD LEGS SHALL BE PER PLUMBING DEMOLITION GENERAL NOTE 10.

KEY NOTES:

1. DCW PIPING ASSOCIATED WITH THIS RISER IS A DEAD FROM VERTICAL TAP TO THE FLOORS ABOVE. DEMOLISH DEAD LEG FROM VERTICAL TAP INSIDE THE WALL / CHASE TO THE SLAB ABOVE AND CAP AT WATERSIDE.
2. PIPING INSIDE WALLS/CHASES SHALL BE ABANDONED. REFER TO PLUMBING DEMOLITION GENERAL NOTE 10.
3. DISCONNECT DHWR PIPING FROM VERTICAL TAP TO FLOOR BELOW. DEMOLISH PIPING TO FLOORS BELOW PER GENERAL DEMOLITION NOTE 10.
4. DEMOLISH DOMESTIC WATER PIPING AS INDICATED AND CAP AT WATERSIDE.
5. DEMOLISH BALANCING VALVE AND PREPARE TO REPLACE WITH THERMOSTATIC BALANCING VALVE ASSEMBLY.
6. DEMOLISH DHWR PIPING AS INDICATED AND PREPARE TO RECONNECT TO NEW DHWR PIPING.
7. DEMOLISH BALANCING VALVE AND REPLACE WITH STRAIGHT PIPE SEGMENT.

KEY PLAN
SCALE: NO SCALE



1 THIRD FLOOR PLUMBING DEMOLITION PLAN - AREA B & C
Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

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#	Revisions:	Date

CONSULTANTS:

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7/18/2025

PROJECT MANAGER
ACG Project Number 23-039

APOGEE Engineers | Architects
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Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: THIRD FLOOR PLUMBING DEMOLITION PLAN - AREA B & C
Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1
VA PROJECT NUMBER: 619-23-105
Building Number: # 1
Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109
Approved:
Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR
Drawing Number: PD103.B
Dwg 20 of 56

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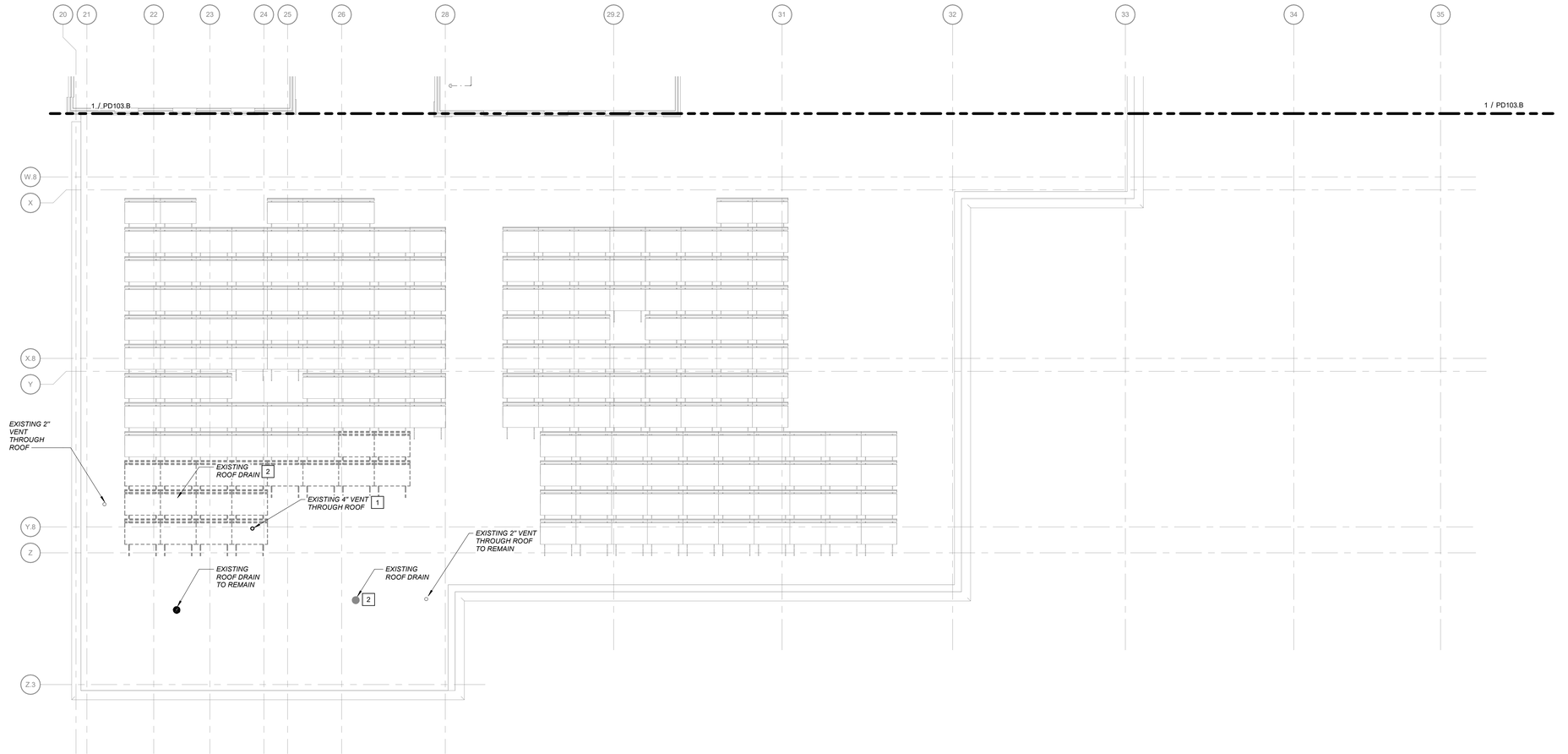


1 THIRD FLOOR PLUMBING DEMOLITION PLAN

Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

SHEET NOTES:

A. DEMOLITION OF DEAD LEGS SHALL BE PER PLUMBING DEMOLITION GENERAL NOTE 10.

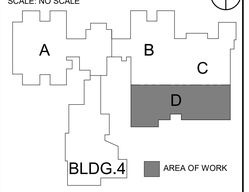
KEY NOTES:

1 DEMOLISH EXISTING VENT TO BELOW SECOND FLOOR AND PREPARE TO RECONNECT.

2 DEMOLISH EXISTING ROOF DRAIN AND PREPARE TO REPLACE.

KEY PLAN

SCALE: NO SCALE



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ACG Project Number 23-039

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VA U.S. Department of Veterans Affairs

Drawing Title: THIRD FLOOR PLUMBING DEMOLITION PLAN - AREA D

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

Approved:

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

VA PROJECT NUMBER 619-23-105

Building Number # 1

Drawing Number PD103.D

Dwg 21 of 56

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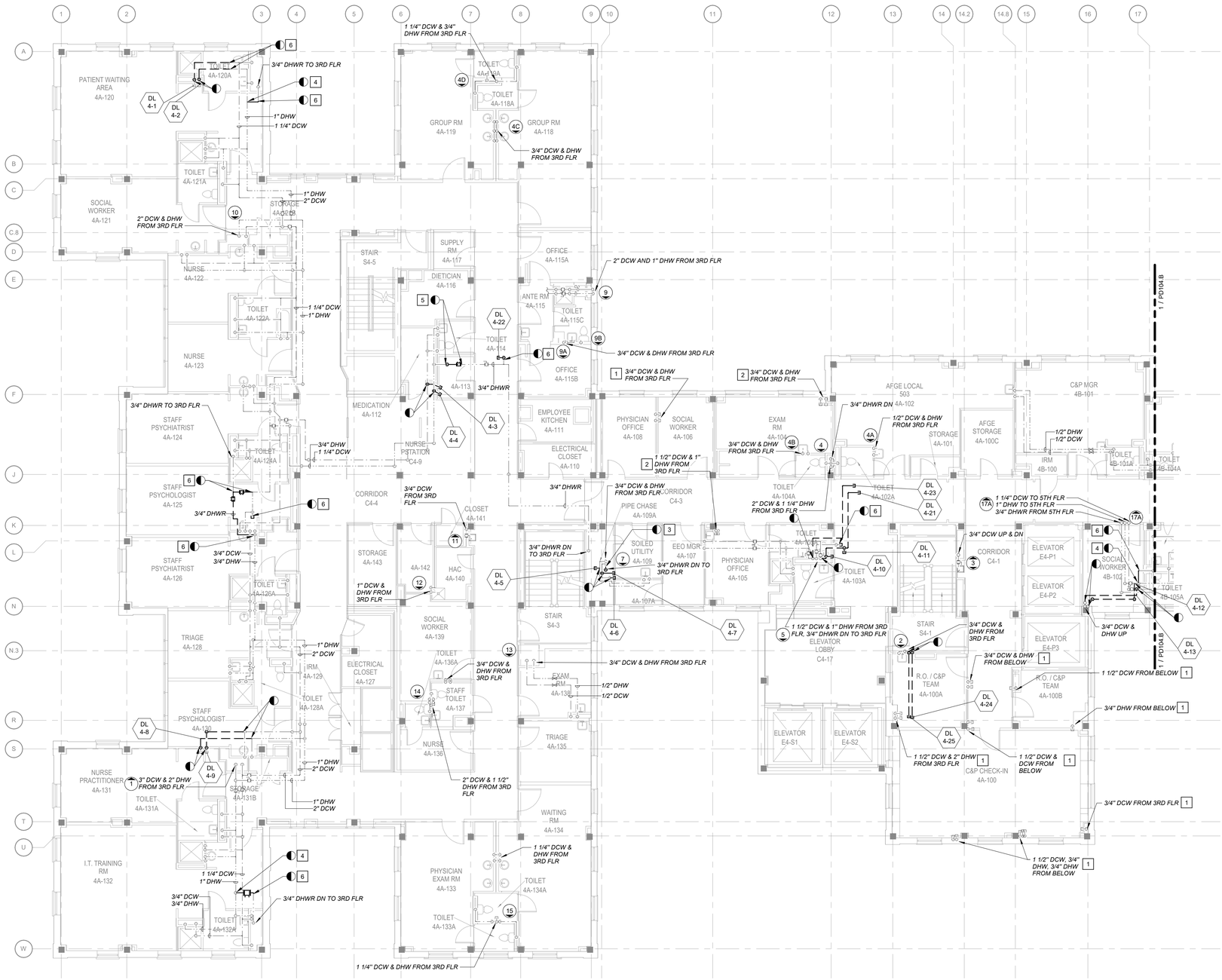


1 FOURTH FLOOR PLUMBING DEMOLITION PLAN - AREA A

Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

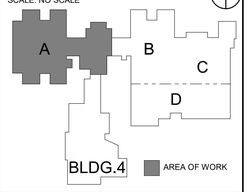
SHEET NOTES:

A. DEMOLITION OF DEAD LEGS SHALL BE PER PLUMBING DEMOLITION GENERAL NOTE 10.

KEY NOTES:

1. PIPING INSIDE WALLS/CHASES SHALL BE ABANDONED. REFER TO PLUMBING DEMOLITION GENERAL NOTE 10.
2. PIPING INSIDE WALLS/CHASES SHALL BE ABANDONED. REFER TO PLUMBING DEMOLITION GENERAL NOTE 10.
3. DISCONNECT DHWR PIPING FROM DHW AND CAP AT WATERSIDE PIPING PER GENERAL DEMOLITION NOTE 10.
4. DEMOLISH DOMESTIC WATER PIPING AS INDICATED AND CAP.
5. DEMOLISH BALANCING VALVE AND PREPARE TO REPLACE WITH THERMOSTATIC BALANCING VALVE ASSEMBLY.
6. DEMOLISH DOMESTIC WATER PIPING AS INDICATED AND PREPARE TO RECONNECT TO NEW DOMESTIC WATER PIPING.

KEY PLAN
SCALE: NO SCALE



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7/18/2025

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ACG Project Number 23-039

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VA U.S. Department of Veterans Affairs

Drawing Title: FOURTH FLOOR PLUMBING DEMOLITION PLAN - AREA A

Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Approved:

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

Drawing Number: PD104.A

Dwg 22 of 56

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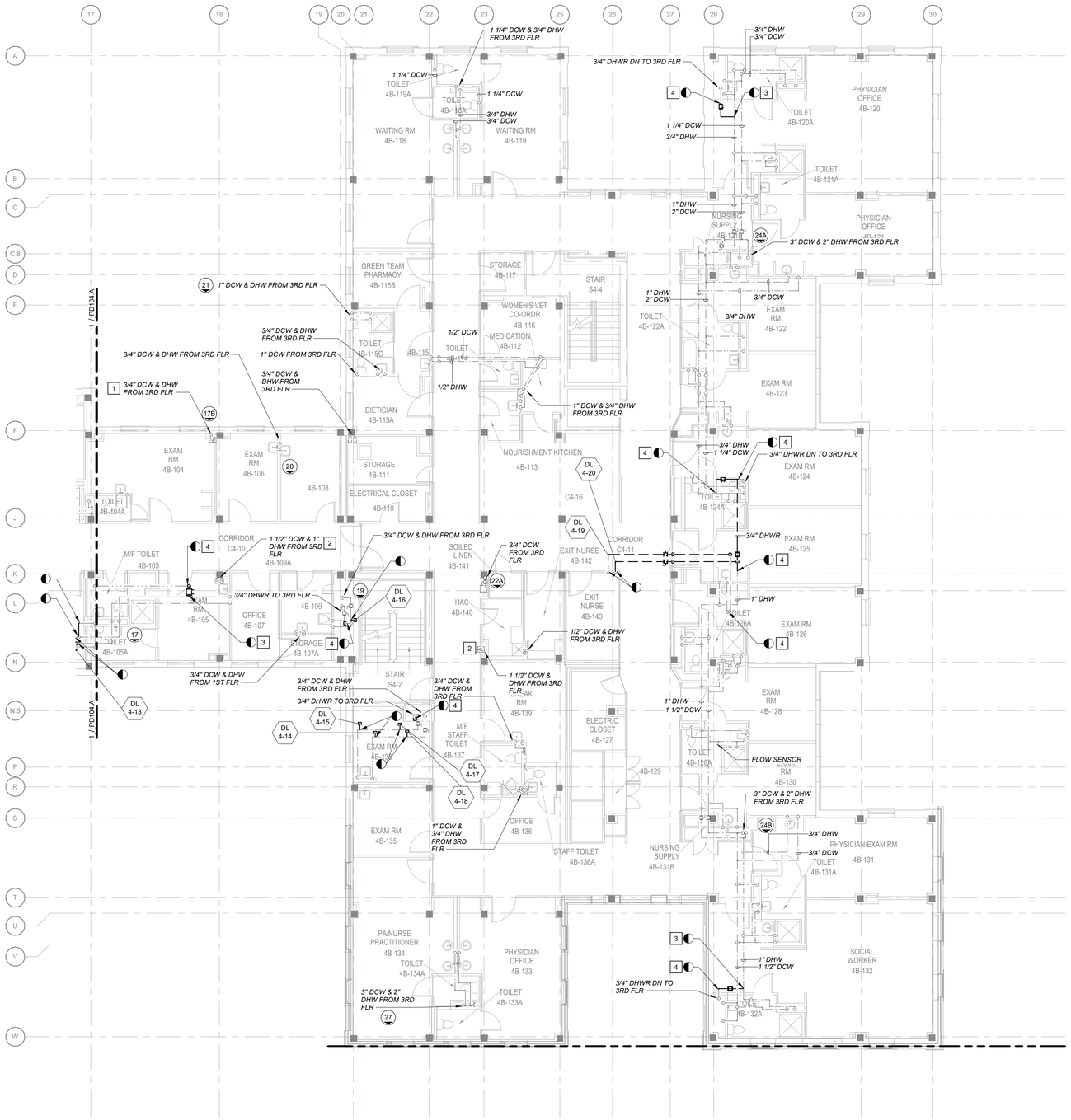


1 FOURTH FLOOR PLUMBING DEMOLITION PLAN - AREA B
Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

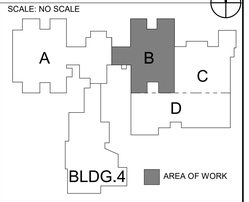
SHEET NOTES:

A. DEMOLITION OF DEAD LEGS SHALL BE PER PLUMBING DEMOLITION GENERAL NOTE 10.

KEY NOTES:

1 PIPING INSIDE WALLS/CHASES SHALL BE ABANDONED. REFER TO PLUMBING DEMOLITION GENERAL NOTE 10.
2 PIPING INSIDE WALLS/CHASES SHALL BE ABANDONED. REFER TO PLUMBING DEMOLITION GENERAL NOTE 10.
3 DEMOLISH DOMESTIC WATER PIPING AS INDICATED AND CAP.
4 DEMOLISH DOMESTIC WATER PIPING AS INDICATED AND PREPARE TO RECONNECT TO NEW DOMESTIC WATER PIPING.

KEY PLAN
SCALE: NO SCALE



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#	Revisions:	Date

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ACG Project Number 23-039

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VA U.S. Department of Veterans Affairs

Drawing Title: FOURTH FLOOR PLUMBING DEMOLITION PLAN - AREA B
Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1
VA PROJECT NUMBER: 619-23-105
Building Number: # 1
Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109
Approved:
Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR
Drawing Number: PD104.B
Dwg 23 of 56

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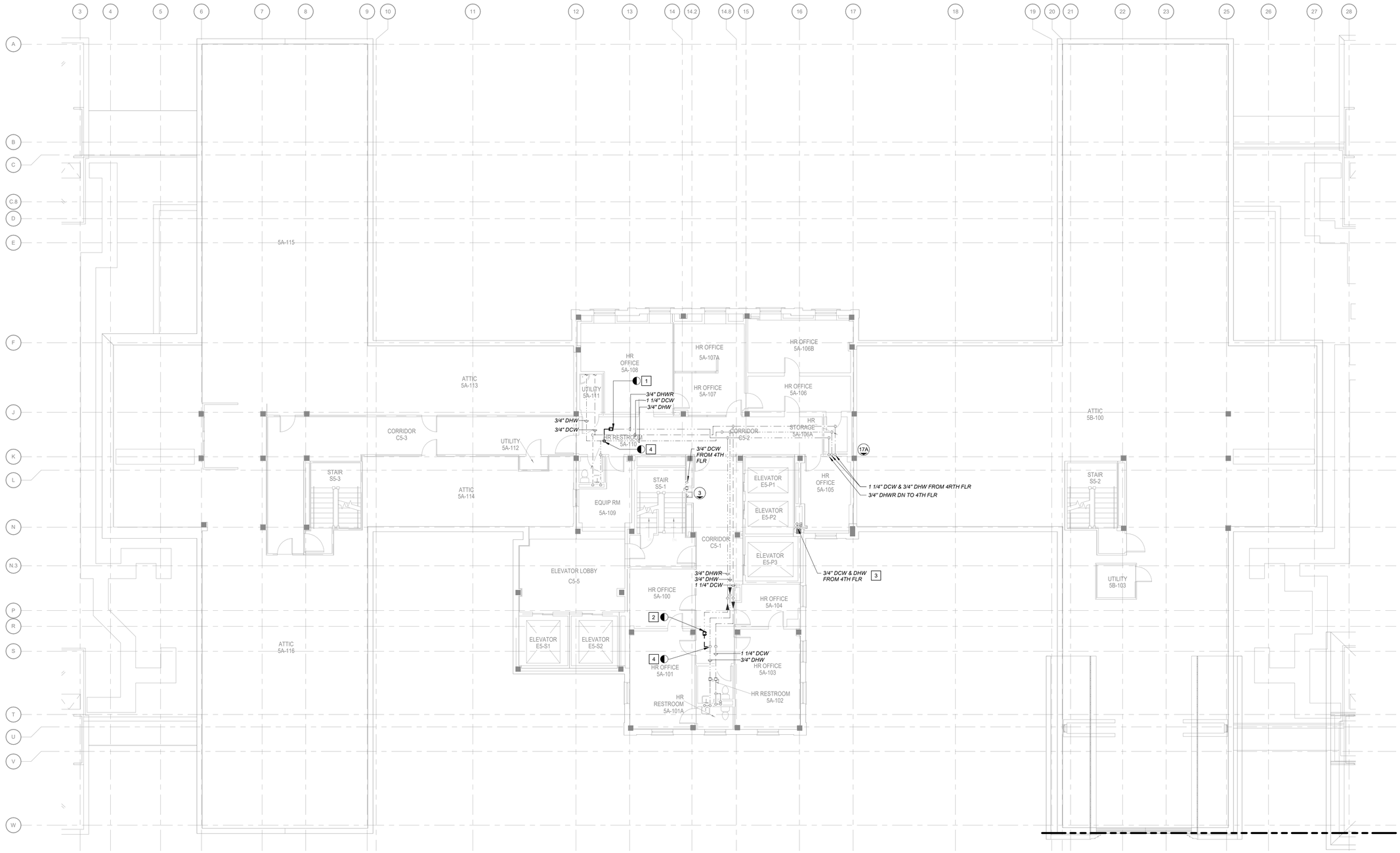


1 FIFTH FLOOR PLUMBING DEMOLITION PLAN
Scale: 1/8" = 1'-0"

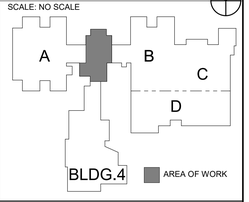
SHEET NOTES:

A. DEMOLITION OF DEAD LEGS SHALL BE PER PLUMBING DEMOLITION GENERAL NOTE 10.

KEY NOTES:

1 DEMOLISH DOMESTIC WATER PIPING AS INDICATED AND PREPARE TO RECONNECT TO NEW DOMESTIC WATER PIPING.
2 DEMOLISH DHWR PIPING AS INDICATED AND PREPARE TO RECONNECT TO NEW DHWR PIPING.
3 PIPING INSIDE WALLS/CHASES SHALL BE ABANDONED. REFER TO PLUMBING DEMOLITION GENERAL NOTE 10.
4 DEMOLISH DOMESTIC WATER PIPING AS INDICATED AND CAP.

KEY PLAN
SCALE: NO SCALE



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#	Revisions:	Date

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PROJECT MANAGER
ACG Project Number 23-039

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Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: FIFTH FLOOR PLUMBING DEMOLITION PLAN
Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1
VA PROJECT NUMBER: 619-23-105
Building Number: # 1
Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109
Approved
Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR
Drawing Number: PD105
Dwg 24 of 56

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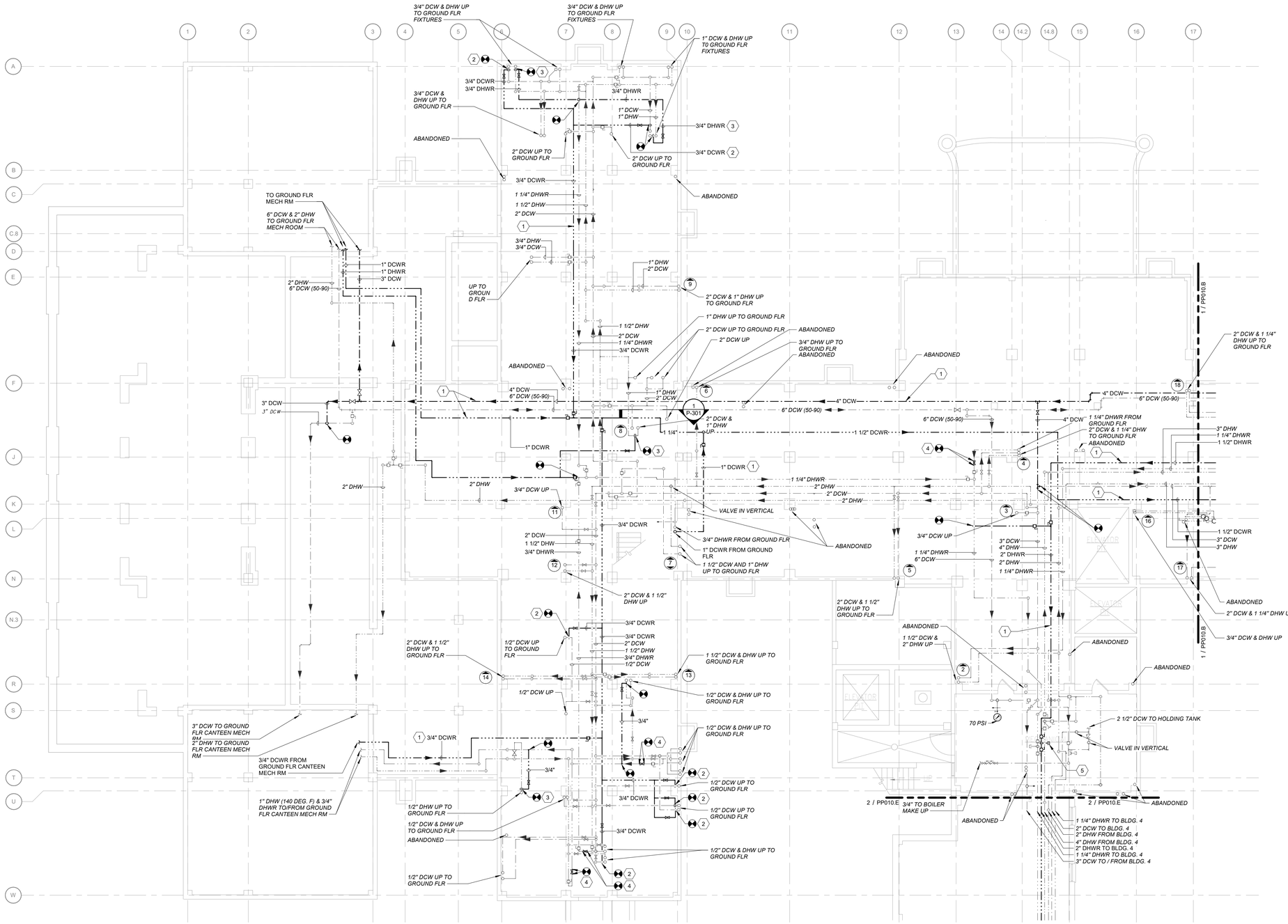


1 CRAWL SPACE DOMESTIC WATER PLAN - AREA A
Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

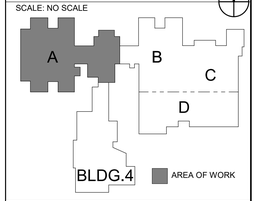
SHEET NOTES:

A. WORK SHOWN ON THIS SHEET SHALL HAPPEN BEFORE DEMOLITION WORK ON PD010.A.

KEY NOTES:

1. PROVIDE DCW, DCWR, AND DHWR PIPING AS INDICATED. INSTALL NEW DHWR PIPING BEFORE DEMOLISHING EXISTING MAINS AND RISERS.
2. CONNECT DCWR PIPING TO DCW PIPING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DCWR TO DCW PER DETAIL 4/P-501.
3. CONNECT DHWR PIPING TO DHW PIPING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DHWR TO DHW PER DETAIL 4/P-501.
4. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY PER DETAIL 4/P-501.
5. PROVIDE LINE TAKE OFFS AND VALVES FOR HYPERCHLORINATION.

KEY PLAN
SCALE: NO SCALE



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7/18/2025

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ACG Project Number 23-039

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VA U.S. Department of Veterans Affairs

Drawing Title: CRAWL SPACE DOMESTIC WATER PLAN - AREA A
Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1
VA PROJECT NUMBER: 619-23-105
Building Number: # 1
Approved:
Date: JULY 16, 2025
Checked: SMR
Drawn: SMR
Drawing Number: PP010.A
Dwg 25 of 56

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SHEET NOTES:

A. WORK SHOWN ON THIS SHEET SHALL HAPPEN BEFORE DEMOLITION WORK ON PD010.B.

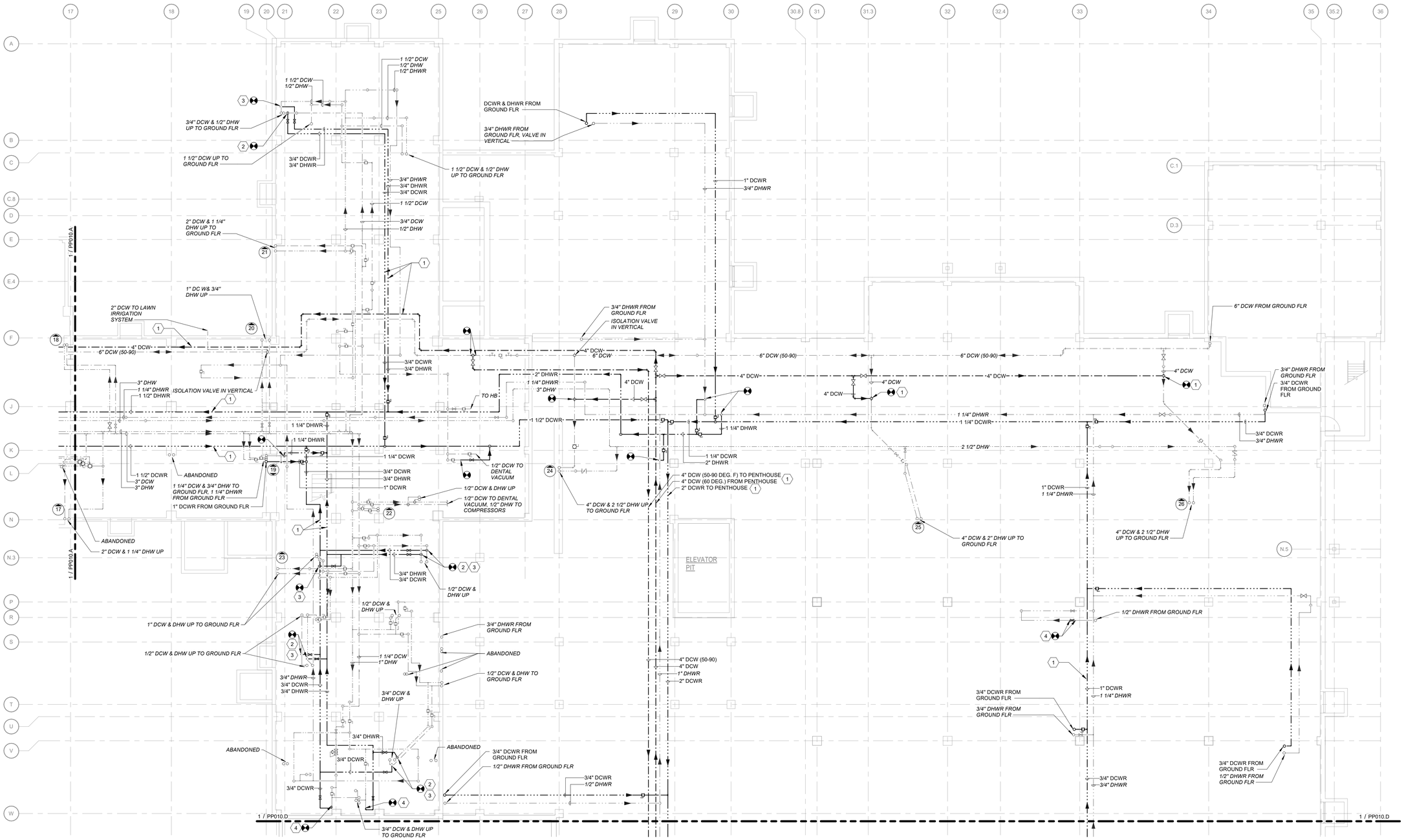
KEY NOTES:

1 PROVIDE DCW, DCWR, AND DHWR PIPING AS INDICATED. INSTALL NEW DHWR PIPING BEFORE DEMOLISHING EXISTING MAINS AND RISERS.

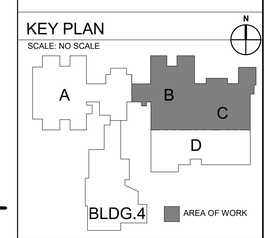
2 CONNECT DCWR PIPING TO DCW PIPING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DCWR TO DCW PER DETAIL 4/IP-501.

3 CONNECT DHWR PIPING TO DHW PIPING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DHWR TO DHW PER DETAIL 4/IP-501.

4 PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY PER DETAIL 4/IP-501.



1 CRAWL SPACE DOMESTIC WATER PLAN - AREA B & C
Scale: 1/8" = 1'-0"



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7/18/2025

PROJECT MANAGER
ACG Project Number 23-039

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Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: CRAWL SPACE DOMESTIC WATER PLAN - AREA B & C
Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1
VA PROJECT NUMBER 619-23-105
Building Number # 1
Approved
Date JULY 16, 2025 | Checked SMR | Drawn SMR
Drawing Number PP010.B
Dwg 26 of 56

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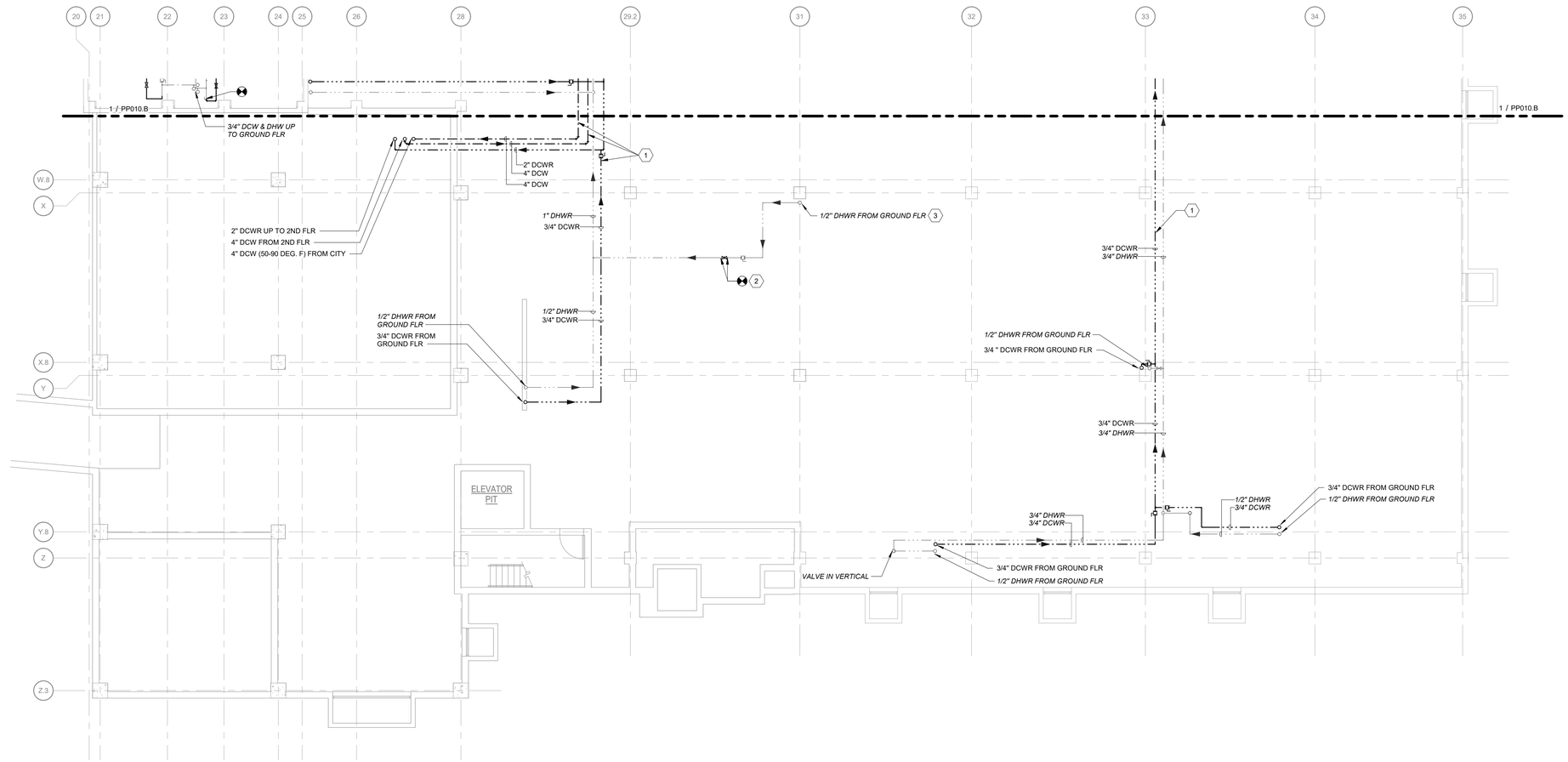


1 CRAWL SPACE DOMESTIC WATER PLAN - AREA D

Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

SHEET NOTES:

A. WORK SHOWN ON THIS SHEET SHALL HAPPEN BEFORE DEMOLITION WORK ON PD010.D.

KEY NOTES:

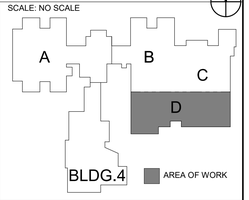
1 PROVIDE DCW, DCWR, AND DHWR PIPING AS INDICATED. INSTALL NEW DHWR PIPING BEFORE DEMOLISHING EXISTING MAINS AND RISERS.

2 PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY PER DETAIL 4/P-501.

3 UNABLE TO FOLLOW. VERIFY ORIGIN OF SUPPLY.

KEY PLAN

SCALE: NO SCALE



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7/18/2025

PROJECT MANAGER

ACG Project Number 23-039

APOGEE Engineers | Architects

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Drawing Title: CRAWL SPACE DOMESTIC WATER PLAN - AREA D

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

Approved

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Drawing Number: PP010.D

Dwg 27 of 56

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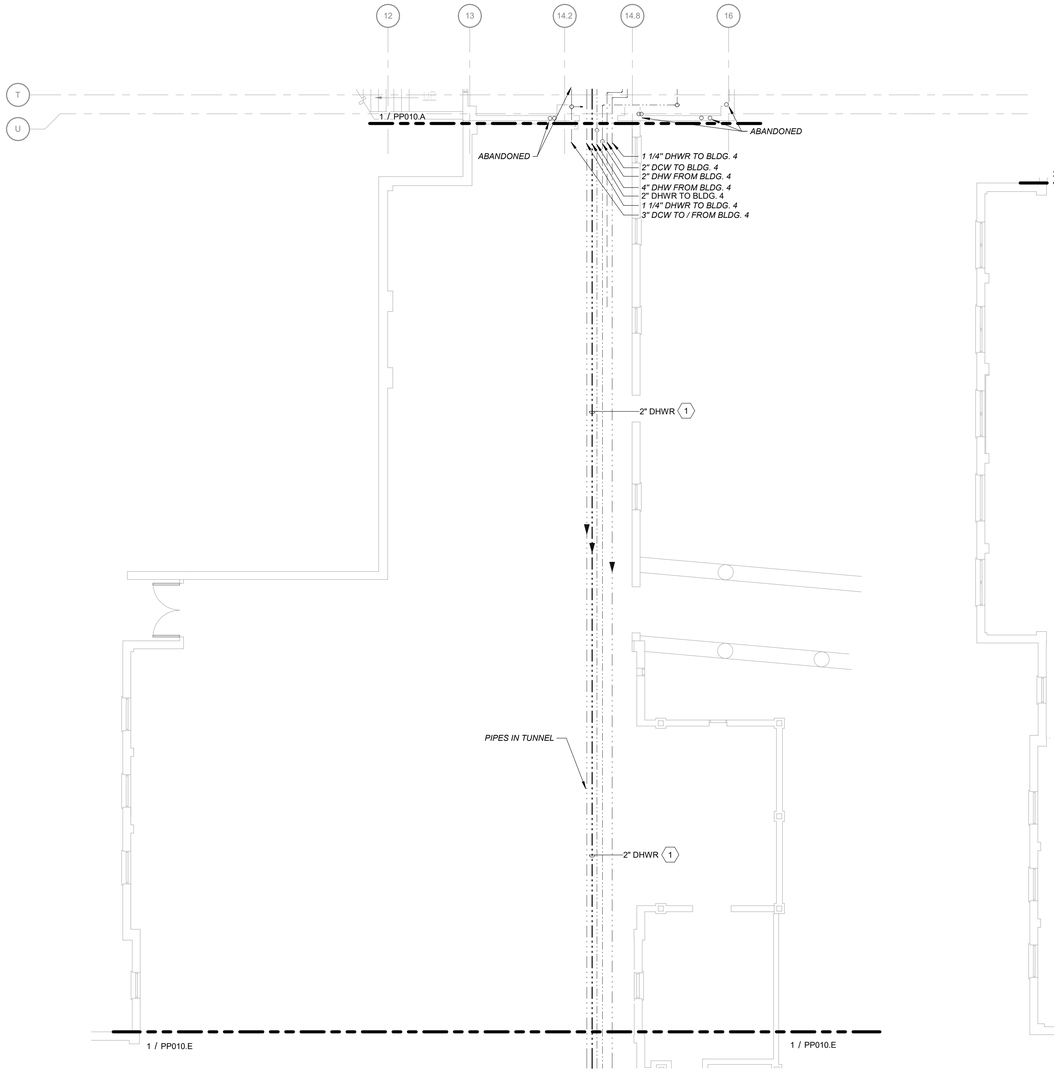
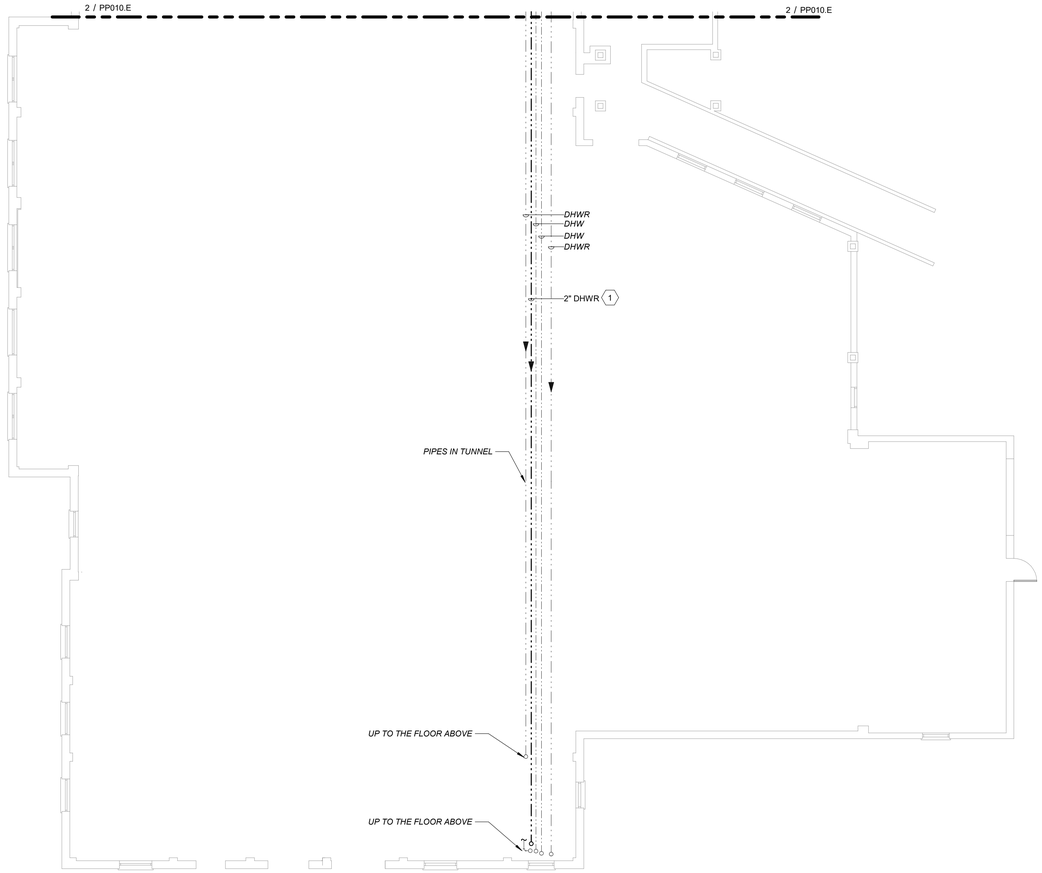


2 CRAWL SPACE DOMESTIC WATER PLAN - BUILDING 4 NORTH

Scale: 1/8" = 1'-0"

0 4 8 16 NORTH



1 CRAWL SPACE DOMESTIC WATER PLAN - BUILDING 4 SOUTH

Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

SHEET NOTES:

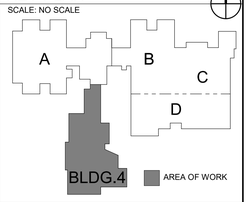
A. WORK SHOWN ON THIS SHEET SHALL HAPPEN BEFORE DEMOLITION WORK ON PD010.E.

KEY NOTES:

1 PROVIDE NEW 2" DHWR MAIN BEFORE DEMOLISH EXISTING.

KEY PLAN

SCALE: NO SCALE



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#	Revisions:	Date

CONSULTANTS:

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7/18/2025

PROJECT MANAGER

ACG Project Number 23-039

APOGEE Engineers | Architects

Headquarters:
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Cary, North Carolina 27511

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: CRAWL SPACE DOMESTIC WATER PLAN - BUILDING 4

Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

Approved

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Drawing Number: PP010.E

Dwg 28 of 56

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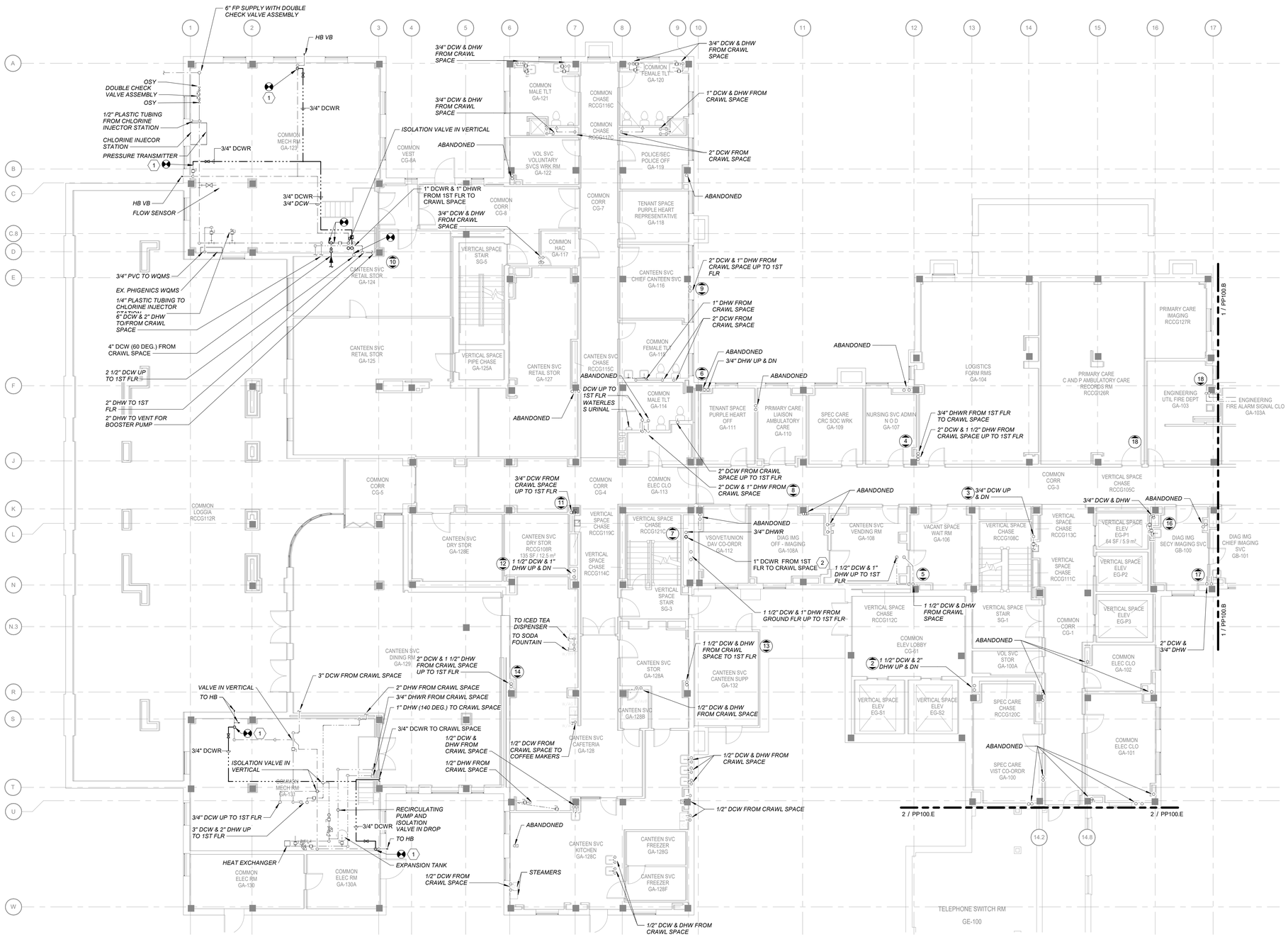


1 GROUND FLOOR DOMESTIC WATER PLAN - AREA A

Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

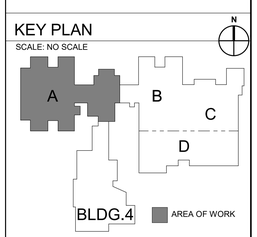
KEY NOTES:

1 CONNECT DCWR PIPING TO DCW PIPING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DCWR TO DCW PER DETAIL 4/P-501.

2 PROVIDE DCW RISER.

KEY PLAN

SCALE: NO SCALE



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100% CONSTRUCTION DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

COMMONWEALTH OF VIRGINIA
SVETLANA MISEVICH REID
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PROFESSIONAL ENGINEER
7/18/2025

PROJECT MANAGER

ACG Project Number 23-039

APOGEE Engineers | Architects

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: GROUND FLOOR DOMESTIC WATER PLAN - AREA A

Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER 619-23-105

Building Number # 1

Approved

Date JULY 16, 2025 | Checked SMR | Drawn SMR

Drawing Number PP100.A

Dwg 29 of 56

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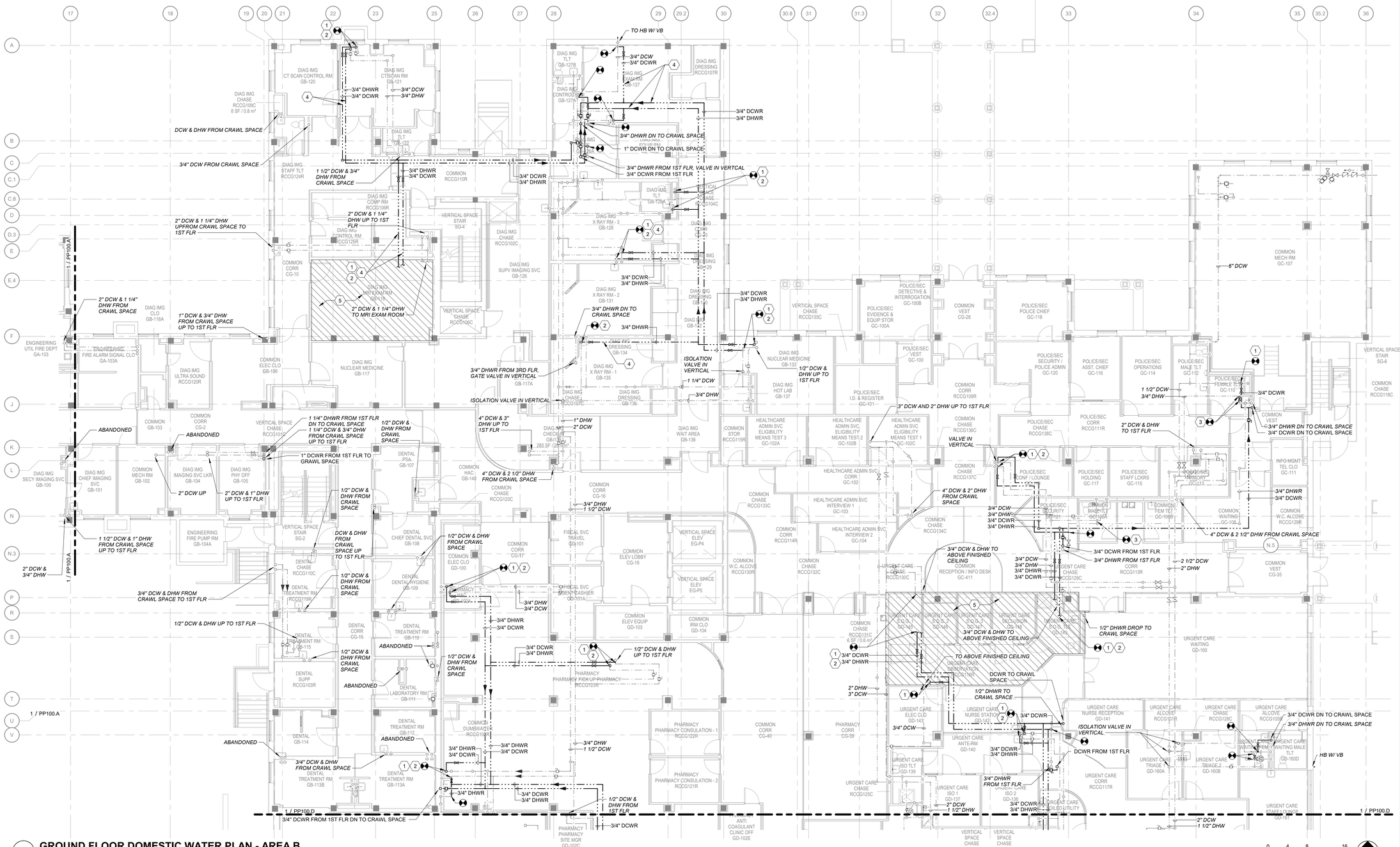
KEY NOTES:

1. CONNECT DCWR PIPING TO DCW PIPING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DCWR TO DCW PER DETAIL 4/P-501.
2. CONNECT DHWR PIPING TO DHW PIPING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DHWR TO DHW PER DETAIL 4/P-501.
3. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY PER DETAIL 4/P-501.
4. ROUTE PLUMBING PIPING AROUND ANY DIAGNOSTIC IMAGING EQUIPMENT. DO NOT RUN PIPE DIRECTLY ABOVE ANY DIAGNOSTIC IMAGING EQUIPMENT.
5. HATCHED AREA CONTAINS HARD CEILING.


DCW & DHW FROM CRAWL SPACE
3/4" DCW FROM CRAWL SPACE
1 1/2" DCW & 3/4" DHW FROM CRAWL SPACE
2" DCW & 1 1/4" DHW UPFROM CRAWL SPACE TO 1ST FLR
2" DCW & 1 1/4" DHW FROM CRAWL SPACE
1" DCW & 3/4" DHW FROM CRAWL SPACE UP TO 1ST FLR
2" DCW & 1 1/4" DHW UP TO 1ST FLR
2" DCW & 1 1/4" DHW TO MRI EXAM ROOM
TO HB W/ VB
3/4" DHWR DN TO CRAWL SPACE
1" DCWR DN TO CRAWL SPACE
3/4" DHWR FROM 1ST FLR, VALVE IN VERTCAL
3/4" DCWR FROM 1ST FLR
3/4" DHWR FROM 3RD FLR, GATE VALVE IN VERTICAL
ISOLATION VALVE IN VERTICAL
1/2" DCW & DHW UP TO 1ST FLR
3" DCW AND 2" DHW UP TO 1ST FLR
6" DCW
1 1/2" DCW
3/4" DHW
2" DCW & DHW TO 1ST FLR
4" DCW & 2 1/2" DHW FROM CRAWL SPACE
3/4" DCW & DHW TO ABOVE FINISHED CEILING
1/2" DHWR DROP TO CRAWL SPACE
TO ABOVE FINISHED CEILING
DCWR TO CRAWL SPACE
1/2" DHWR TO CRAWL SPACE
DCWR FROM 1ST FLR
HB W/ VB
ABANDONED
1 1/4" DHWR FROM 1ST FLR DN TO CRAWL SPACE
1 1/4" DCW & 3/4" DHW FROM CRAWL SPACE UP TO 1ST FLR
1" DCWR FROM 1ST FLR TO GRAWL SPACE
4" DCW & 3" DHW UP TO 1ST FLR
4" DCW & 2 1/2" DHW FROM CRAWL SPACE
1" DHW
2" DCW
3/4" DHW
1 1/2" DCW
2" DCW UP
2" DCW & 1" DHW UP TO 1ST FLR
1 1/2" DCW & 1" DHW FROM CRAWL SPACE UP TO 1ST FLR
2" DCW & 3/4" DHW
3/4" DCW & DHW FROM CRAWL SPACE TO 1ST FLR
1/2" DCW & DHW UP TO 1ST FLR
3/4" DCWR FROM 1ST FLR DN TO CRAWL SPACE
1/2" DCW & DHW FROM CRAWL SPACE
DCW & DHW FROM CRAWL SPACE UP TO 1ST FLR
1/2" DCW & DHW FROM 1ST FLR
3/4" DCWR
3/4" DHWR
3/4" DCW
3/4" DHW
3/4" DCW
3/4" DHW
3/4" DCWR
3/4" DHWR
3/4" DCWR DN TO CRAWL SPACE
3/4" DHWR DN TO CRAWL SPACE
3/4" DCWR DN TO CRAWL SPACE
3/4" DHWR DN TO CRAWL SPACE
2" DCW
1 1/2" DHW
2" DHW
3" DCW
1 / PP100.A
1 / PP100.D
DIAG IMG CT SCAN CONTROL RM GB-120
DIAG IMG CTISCAN RM GB-121
DIAG IMG CHASE RCCG109C 8 SF / 0.8 m²
DIAG IMG TLT GB-122
DIAG IMG STAFF TLT RCCG124R
COMMON RCCG110R
DIAG IMG COMP RM RCCG108R
DIAG IMG CONTROL RM RCCG126R
VERTICAL SPACE STAIR SG-4
COMMON CORR CG-10
DIAG IMG MRI EXAM RM GB-118
DIAG IMG CHASE RCCG102C
VERTICAL SPACE CHASE RCCG108C
DIAG IMG SUPV IMAGING SVC GB-126
DIAG IMG TLT GB-127B
DIAG IMG CONTROL GB-127A
DIAG IMG EXAM GB-127
DIAG IMG DRESSING RCCG107R
DIAG IMG X RAY RM - 3 GB-128
DIAG IMG TLT GB-128A
VERTICAL SPACE CHASE RCCG104C
DIAG IMG DRESSING GB-129
DIAG IMG X RAY RM - 2 GB-131
DIAG IMG DRESSING GB-132
DIAG IMG GB-130
DIAG IMG DRESSING GB-134
DIAG IMG X RAY RM - 1 GB-135
DIAG IMG CHASE RCCG107C
DIAG IMG DRESSING GB-136
DIAG IMG NUCLEAR MEDICINE GB-133
DIAG IMG HOT LAB GB-137
DIAG IMG WAIT AREA GB-138
DIAG IMG NUCLEAR MEDICINE GB-117
DIAG IMG CLO GB-116A
DIAG IMG ULTRA SOUND RCCG120R
DIAG IMG CHIEF IMAGING SVC GB-101
DIAG IMG SECY IMAGING SVC GB-100
DIAG IMG IMAGING SVC LKR GB-104
DIAG IMG PHY OFF GB-105
COMMON MECH RM GB-102
COMMON GB-103
COMMON CORR CG-2
ENGINEERING UTIL FIRE DEPT GA-103
ENGINEERING FIRE ALARM SIGNAL CLO GA-103A
ENGINEERING FIRE PUMP RM GB-104A
COMMON ELEC CLO GB-106
VERTICAL SPACE CHASE RCCG101C
VERTICAL SPACE STAIR SG-2
DENTAL PSA GB-107
DENTAL CHIEF DENTAL SVC GB-108
DENTAL CHASE RCCG110C
DENTAL TREATMENT RM RCCG119R
DENTAL DENTAL HYGIENE GB-109
DENTAL CORR CG-15
DENTAL TREATMENT RM GB-115
DENTAL SUPP RCCG103R
DENTAL TREATMENT RM GB-110
DENTAL LABORATORY RM GB-111
DENTAL TREATMENT RM GB-112
DENTAL GB-114
DENTAL TREATMENT RM GB-113B
DENTAL TREATMENT RM GB-113A
COMMON HAC GB-140
COMMON CHASE RCCG123C
COMMON CORR CG-17
COMMON ELEC CLO GD-100
COMMON DUMBWAITER RCCG102R
PHARMACY GB-142
PHARMACY PICK UP PHARMACY RCCG123R
PHARMACY PHARMACY CONSULATION - 1 RCCG122R
PHARMACY PHARMACY CONSULATION - 2 RCCG121R
PHARMACY PHARMACY SITE MGR GD-102C
ANTI COAGULANT CLINIC OFF GD-102E
FISCAL SVC TRAVEL GD-101
FISCAL SVC PATIENT CASHIER GD-101A
COMMON ELEV LOBBY CG-19
VERTICAL SPACE ELEV EG-P4
VERTICAL SPACE ELEV EG-P5
COMMON ELEV EQUIP GD-103
COMMON IRM CLO GD-104
COMMON CORR CG-16
COMMON CHASE RCCG133C
COMMON CHASE RCCG132C
COMMON CORR RCCG114R
COMMON CHASE RCCG134C
COMMON W.C. ALCOVE RCCG130R
COMMON CHASE RCCG131C 6 SF / 0.6 m²
COMMON STOR RCCG115R
COMMON CHASE RCCG136C
COMMON CHASE RCCG137C
COMMON CHASE RCCG135C
COMMON CORR RCCG109R
COMMON CHASE RCCG138C
COMMON CORR RCCG113R
COMMON CHASE RCCG129C
COMMON CORR CG-39
COMMON CORR CG-40
HEALTHCARE ADMIN SVC ELIGIBILITY MEANS TEST 3 GC-102A
HEALTHCARE ADMIN SVC ELIGIBILITY MEANS TEST 2 GC-102B
HEALTHCARE ADMIN SVC ELIGIBILITY MEANS TEST 1 GC-102C
HEALTHCARE ADMIN SVC CORR GC-102
HEALTHCARE ADMIN SVC INTERVIEW 1 GC-103
HEALTHCARE ADMIN SVC INTERVIEW 2 GC-104
COMMON RECEPTION / INFO DESK GC-411
POLICE/SEC EVIDENCE & EQUIP STOR GC-100A
POLICE/SEC DETECTIVE & INTERROGATION GC-100B
POLICE/SEC I.D. & REGISTER GC-101
POLICE/SEC VEST GC-100
COMMON VEST CG-28
POLICE/SEC POLICE CHIEF GC-118
POLICE/SEC SECURITY / POLICE ADMIN GC-120
POLICE/SEC ASST. CHIEF GC-116
POLICE/SEC OPERATIONS GC-114
POLICE/SEC MALE TLT GC-112
POLICE/SEC FEMALE TLT GC-110
POLICE/SEC CONF / LOUNGE GC-113
POLICE/SEC HOLDING GC-117
POLICE/SEC STAFF LOCKRS GC-115
POLICE/SEC CORR RCCG111R
POLICE/SEC CHASE RCCG138C
POLICE/SEC SECURITY GC-121
POLICE/SEC CHASE RCCG126C
POLICE/SEC CHASE RCCG127C
COMMON MECH RM GC-107
COMMON CHASE RCCG118C
VERTICAL SPACE STAIR SG-6
INFO MGMT TEL CLO GC-111
COMMON VEST GC-35
COMMON W.C. ALCOVE RCCG129R
COMMON WAITING GC-108
COMMON FEM TLT GC-106B
COMMON MAINT GC-106A
COMMON VEST
URGENT CARE CHASE RCCG130C
URGENT CARE GD-145
URGENT CARE SECLUSION GD-146
URGENT CARE O.D. 1 GD-147
URGENT CARE O.D. 2 GD-148
URGENT CARE O.D. TEST GD-149
URGENT CARE WAITING GD-160
URGENT CARE ELEC CLO GD-143
URGENT CARE NURSE STATION GD-142
URGENT CARE ANTE-RM GD-140
URGENT CARE ISO TLT GD-139
URGENT CARE ISO 1 GD-137
URGENT CARE ISO 2 GD-136
URGENT CARE CHASE RCCG125C
URGENT CARE CORR RCCG117R
URGENT CARE NURSE RECEPTION GD-141
URGENT CARE ALCOVE RCCG116R
URGENT CARE CHASE RCCG128C
URGENT CARE ALCOVE RCCG105R
URGENT CARE WAITING MALE TLT GD-160D
URGENT CARE TRIAGE 1 GD-160A
URGENT CARE TRIAGE 2 GD-160B
URGENT CARE SOILED UTILITY GD-161
URGENT CARE STAFF LOCKRS GD-162
VERTICAL SPACE CHASE RCCG126C
VERTICAL SPACE CHASE RCCG127C
COMMON CHASE RCCG139C
COMMON CORR RCCG112R
COMMON CHASE RCCG140C
COMMON CORR RCCG106R
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COMMON CORR RCCG-6R
COMMON CHASE

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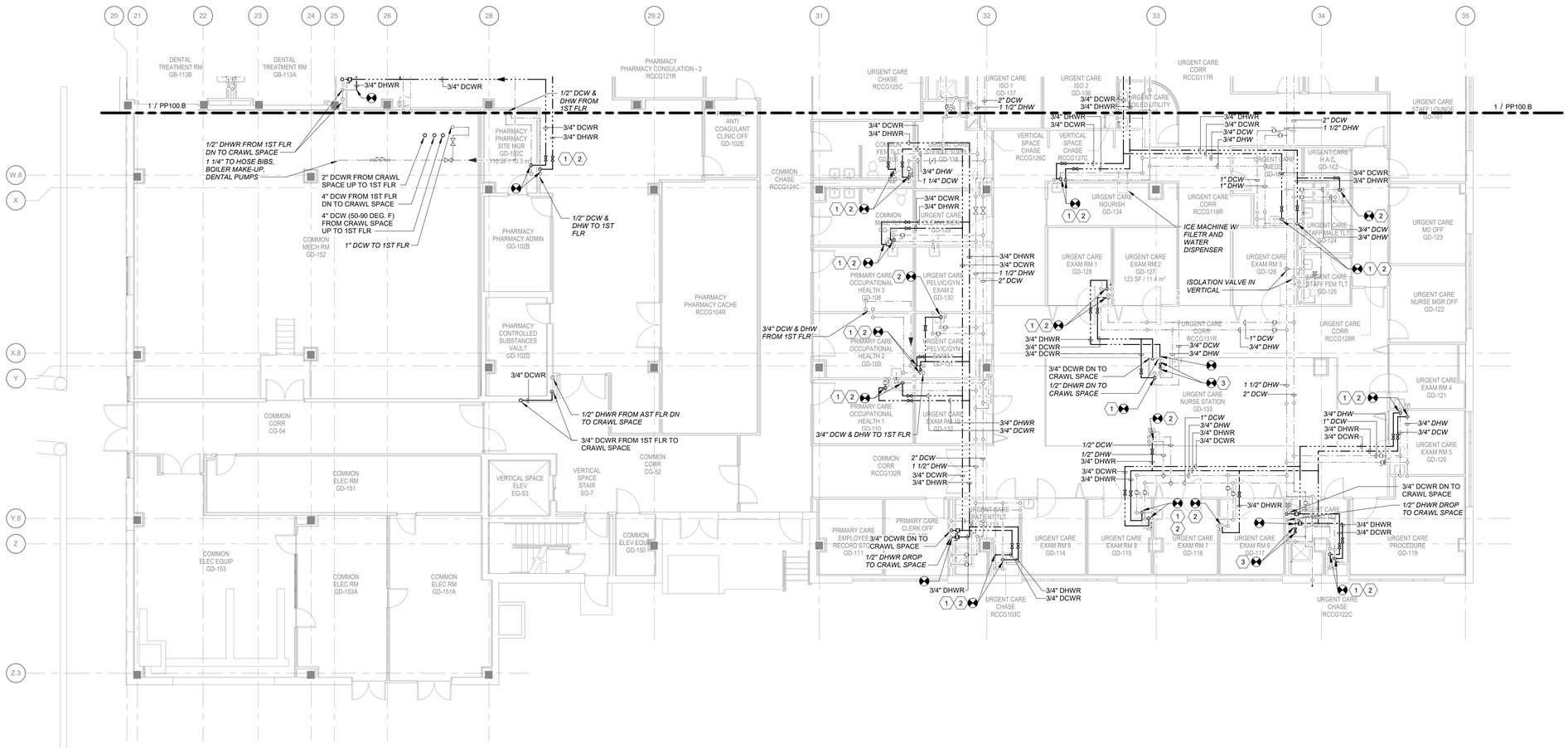
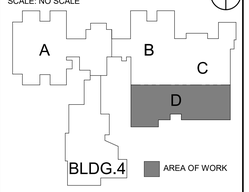


KEY NOTES:

1. CONNECT DCWR PIPING TO DCW PIPING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DCWR TO DCW PER DETAIL 4/P-501.
2. CONNECT DHWR PIPING TO DHW PIPING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DHWR TO DHW PER DETAIL 4/P-501.
3. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY PER DETAIL 4/P-501.

KEY PLAN

SCALE: NO SCALE



1 GROUND FLOOR DOMESTIC WATER PLAN - AREA D

Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

COMMONWEALTH OF VIRGINIA
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7/18/2025

PROJECT MANAGER

ACG Project Number 23-039

APOGEE Engineers | Architects

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: GROUND FLOOR DOMESTIC WATER PLAN - AREA D

Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

Approved

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Drawing Number: PP100.D

Dwg 31 of 56

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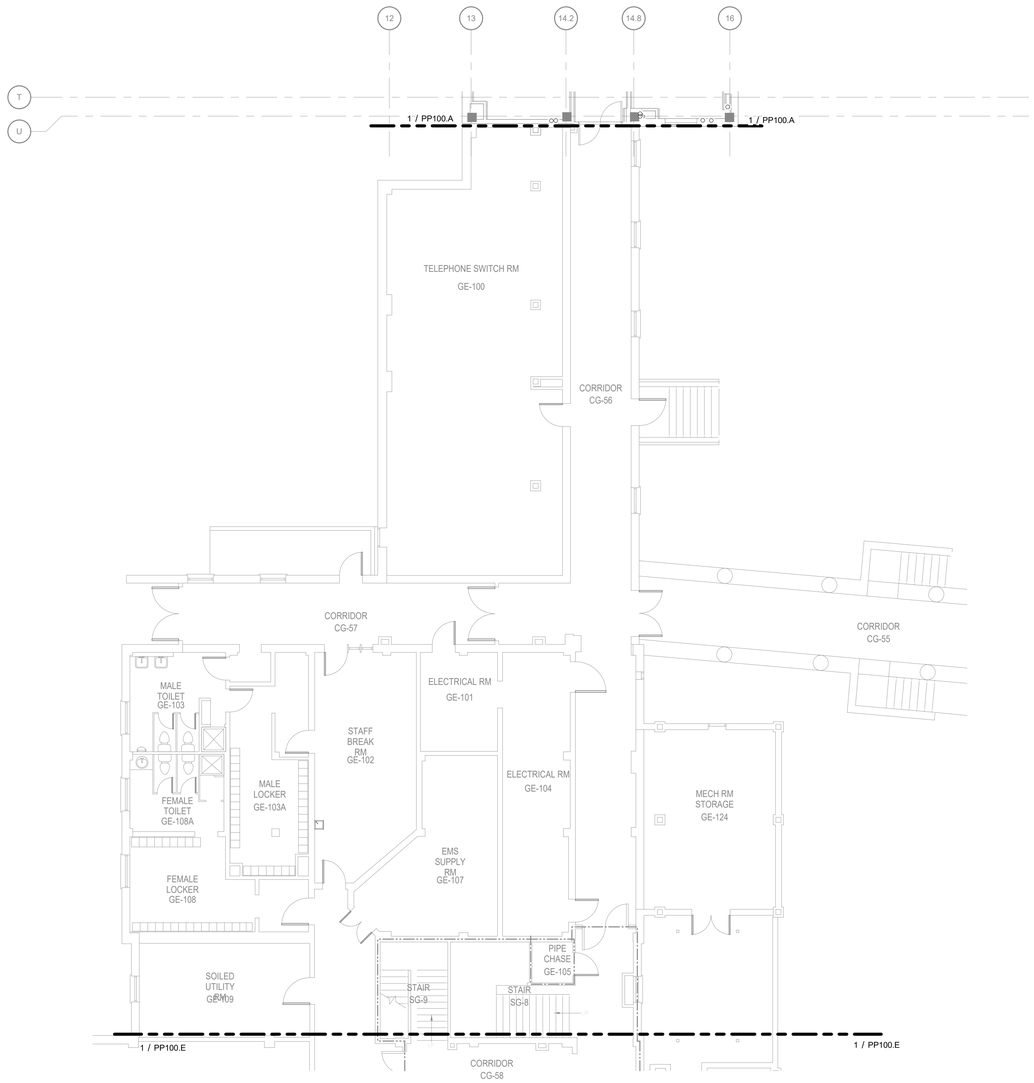
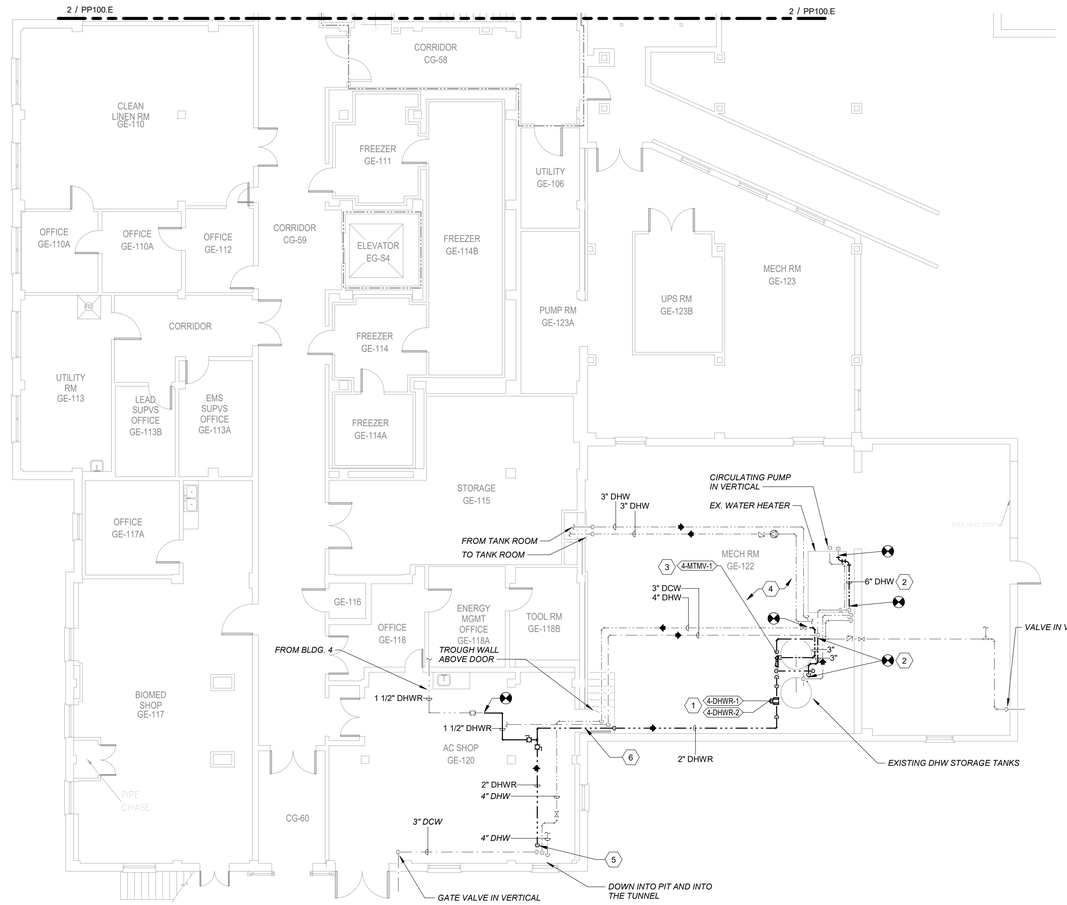


2 GROUND FLOOR DOMESTIC WATER PLAN - BLDG. 4 NORTH

Scale: 1/8" = 1'-0"

0 4 8 16 NORTH



1 GROUND FLOOR DOMESTIC WATER PLAN - BLDG. 4 SOUTH

Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

SHEET NOTES:

A. TEMPORARILY CONNECT NEW RECIRCULATING PUMPS AND MASTER THERMOSTATIC MIXING VALVE STATION TO EXISTING MAINS. PERFORM SWITCHOVER TO NEW DHWR MAIN AFTER MAIN IS INSTALLED.

B. COORDINATE EQUIPMENT NOMENCLATURE ON EQUIPMENT TAGS WITH THE VA COR. EQUIPMENT NAME MAY BE DIFFERENT THAN SHOWN ON THE DRAWINGS.

(#) KEY NOTES:

1 PROVIDE DOMESTIC HOT WATER RECIRCULATION PUMPS. INSTALL PER DETAIL 2 / P-502.

2 REPLACE LEAKING PORTION OF DOMESTIC WATER PIPE.

3 PROVIDE PRE-PIPED MASTER THERMOSTATIC MIXING VALVE STATION. PROVIDE WITH MOUNTING BRACKET AND FLOOR SUPPORTS.

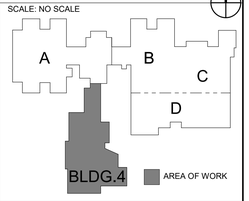
4 REINSULATE EXISTING PIPING ASSOCIATED WITH EXISTING WATER HEATER AND STORAGE TANKS IN MECH RM GE-122.

5 PROVIDE NEW OPENING IN EXISTING TUNNEL ACCESS DOOR. PROVIDE NEW DHWR MAIN BEFORE DEMOLISHING EXISTING.

6 PROVIDE NEW OPENING IN BLOCK WALL AS REQUIRED TO INSTALL NEW PIPE.

KEY PLAN

SCALE: NO SCALE



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#	Revisions:	Date

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ACG Project Number 23-039

APOGEE Engineers | Architects

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Cary, North Carolina 27511

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: GROUND FLOOR DOMESTIC WATER PLAN - BUILDING 4

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER 619-23-105

Building Number # 1

Approved

Date JULY 16, 2025 | Checked SMR | Drawn SMR

Drawing Number PP100.E

Dwg 32 of 56

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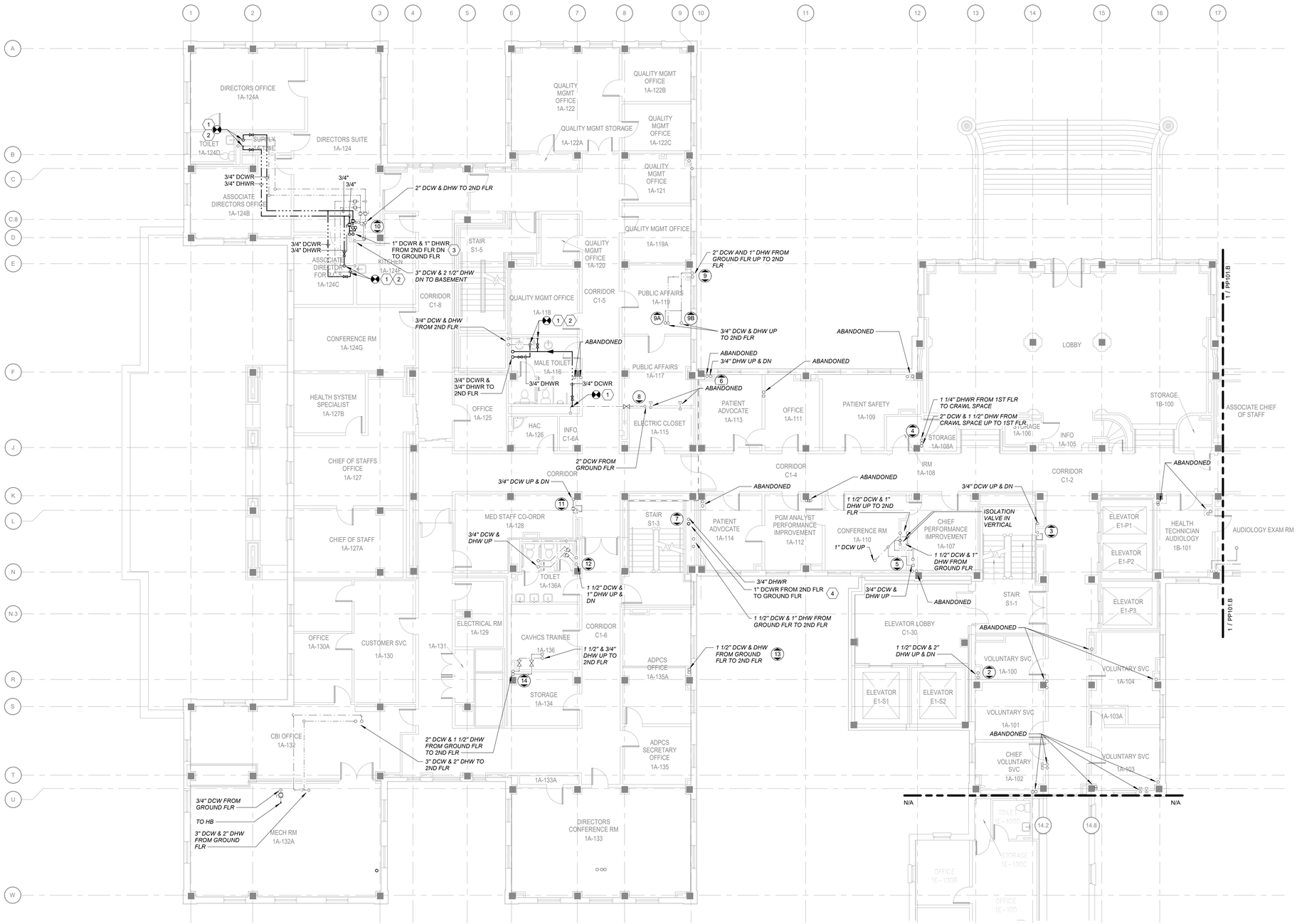


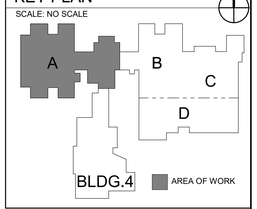
1 FIRST FLOOR DOMESTIC WATER PLAN - AREA A1
Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

KEY NOTES:

1. CONNECT DCWR PIPING TO DCW PIPING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DCWR TO DCW PER DETAIL 4/P-501.
2. CONNECT DHWR PIPING TO DHW PIPING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DHWR TO DHW PER DETAIL 4/P-501.
3. PROVIDE DCWR AND DHWR RISERS.
4. PROVIDE DCW RISER.

KEY PLAN
SCALE: NO SCALE



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CONSULTANTS:

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VA U.S. Department of Veterans Affairs

Drawing Title: FIRST FLOOR DOMESTIC WATER PLAN - AREA A
Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109
Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1
Approved
Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR
VA PROJECT NUMBER: 619-23-105
Building Number: # 1
Drawing Number: PP101.A
Dwg 33 of 56

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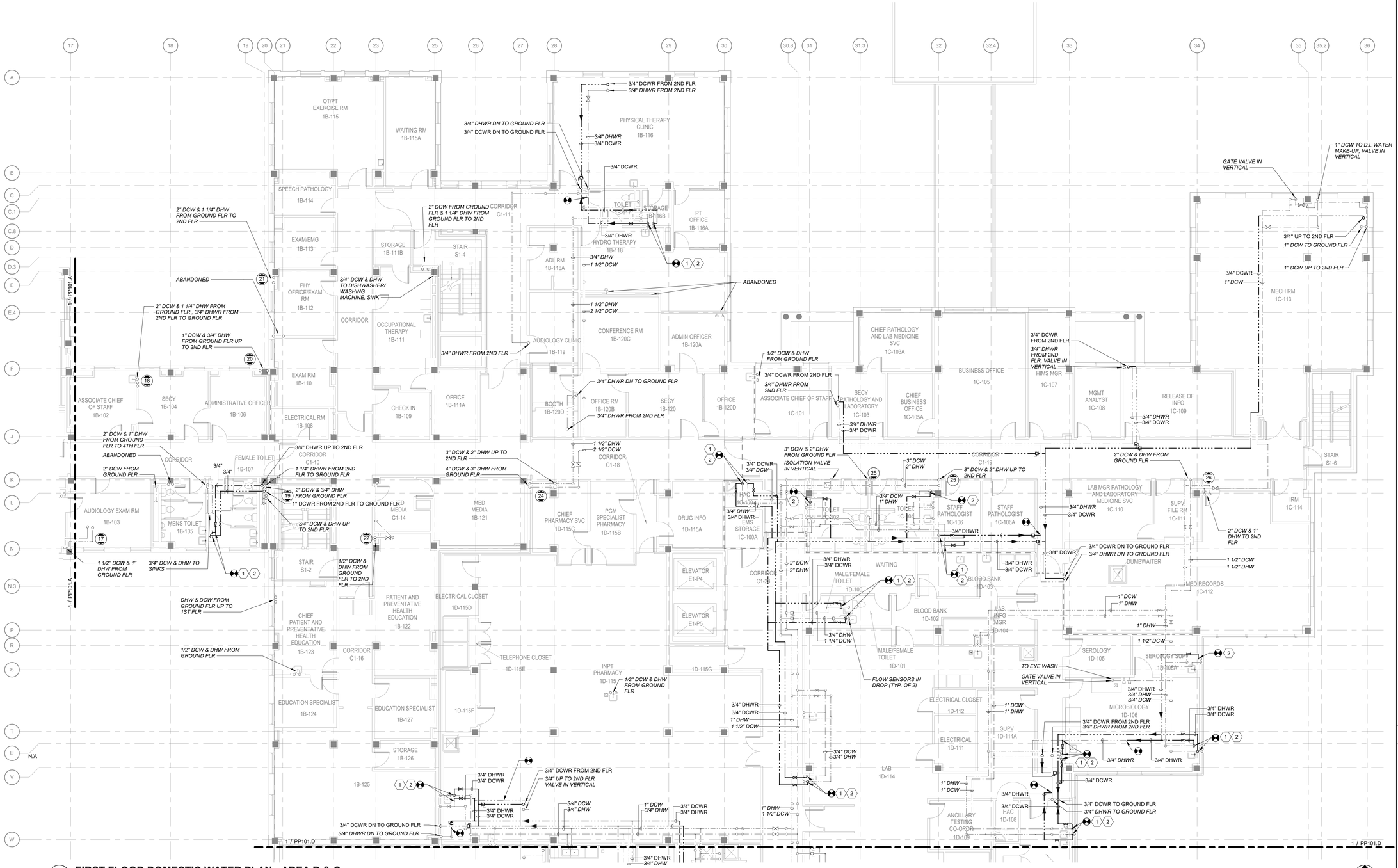
KEY NOTES:

1 CONNECT DCWR PIPING TO DCW PIPING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DCWR TO DCW PER DETAIL 4/P-501.

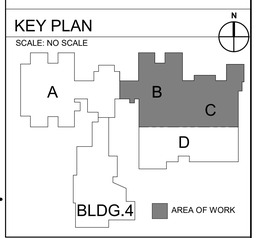
2 CONNECT DHWR PIPING TO DHW PIPING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DHWR TO DHW PER DETAIL 4/P-501.



1 FIRST FLOOR DOMESTIC WATER PLAN - AREA B & C
Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

KEY PLAN
SCALE: NO SCALE



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#	Revisions:	Date

CONSULTANTS:

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VA U.S. Department of Veterans Affairs

Drawing Title: FIRST FLOOR DOMESTIC WATER PLAN - AREA B & C
Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109
Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1
Approved
Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

VA PROJECT NUMBER 619-23-105
Building Number # 1
Drawing Number PP101.B
Dwg 34 of 56

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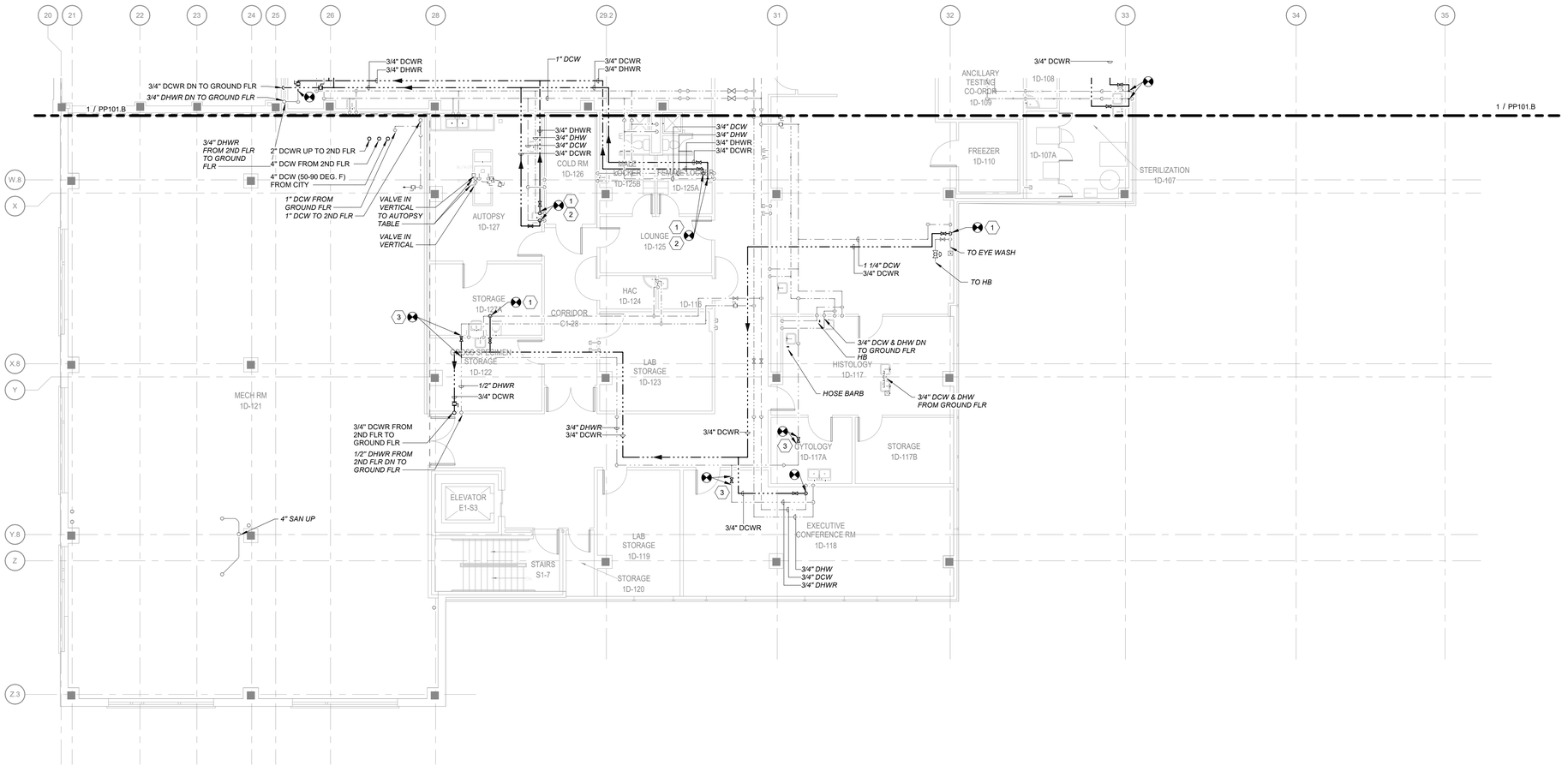


1 **FIRST FLOOR PLUMBING PLAN - AREA D**
Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

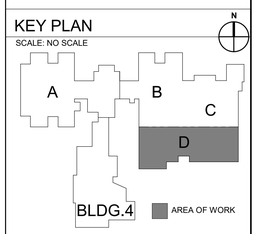
KEY NOTES:

1 CONNECT DCWR PIPING TO DCW PIPING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DCWR TO DCW PER DETAIL 4/P-501.

2 CONNECT DHWR PIPING TO DHW PIPING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DHWR TO DHW PER DETAIL 4/P-501.

3 PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY PER DETAIL 4/P-501.

KEY PLAN
SCALE: NO SCALE



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ACG Project Number 23-039

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VA U.S. Department of Veterans Affairs

Drawing Title: FIRST FLOOR PLUMBING PLAN - AREA D
Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109
Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1
Approved
Date: JULY 16, 2025
Checked: SMR
Drawn: SMR
VA PROJECT NUMBER: 619-23-105
Building Number: # 1
Drawing Number: PP101.D
Dwg 35 of 56

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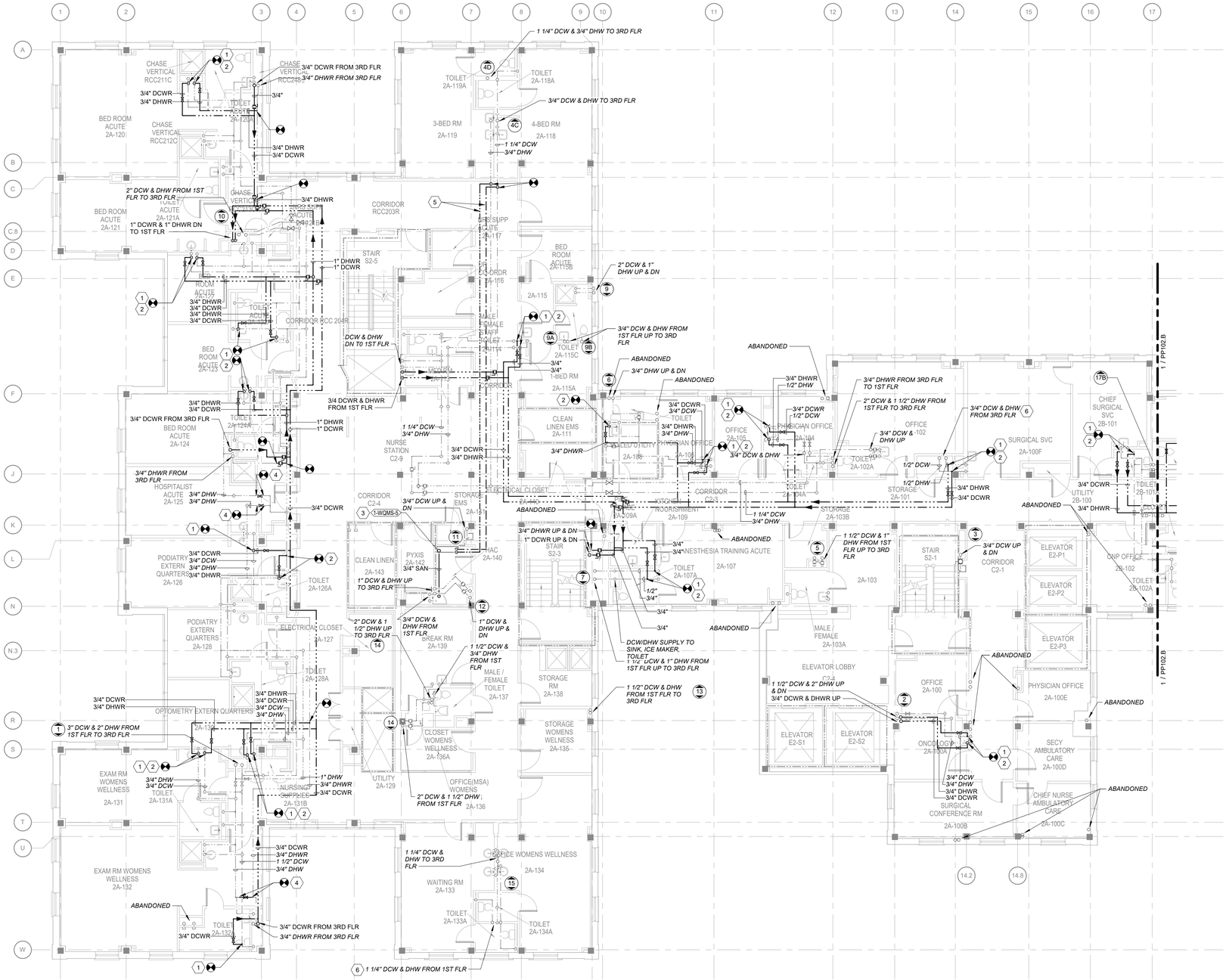
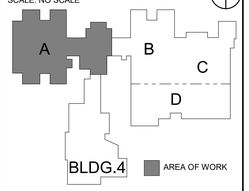


KEY NOTES:

1. CONNECT DCWR PIPING TO DCW PIPING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DCWR TO DCW PER DETAIL 4/P-501.
2. CONNECT DHWR PIPING TO DHW PIPING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DHWR TO DHW PER DETAIL 4/P-501.
3. PROVIDE END-OF-RUN DCW & DHW MONITORING STATION. PROVIDE DRAIN AND EXTEND TO MOP SINK.
4. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY PER DETAIL 4/P-501.
5. PROVIDE DCW AND DHW PIPING TO WATER QUALITY MONITORING STATION.
6. UNABLE TO FOLLOW: VERIFY ORIGIN OF SUPPLY.

KEY PLAN

SCALE: NO SCALE



1 SECOND FLOOR DOMESTIC WATER PLAN - AREA A

Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

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#	Revisions:	Date

CONSULTANTS:

SVETLANA M. MISEVICH REID — COMMONWEALTH OF VIRGINIA — PROFESSIONAL ENGINEER
7/18/2025

PROJECT MANAGER

ACG Project Number: 23-039

APOGEE Engineers | Architects

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Drawing Title: SECOND FLOOR DOMESTIC WATER PLAN - AREA A

Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Approved

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

Drawing Number: PP102.A

Dwg 36 of 56

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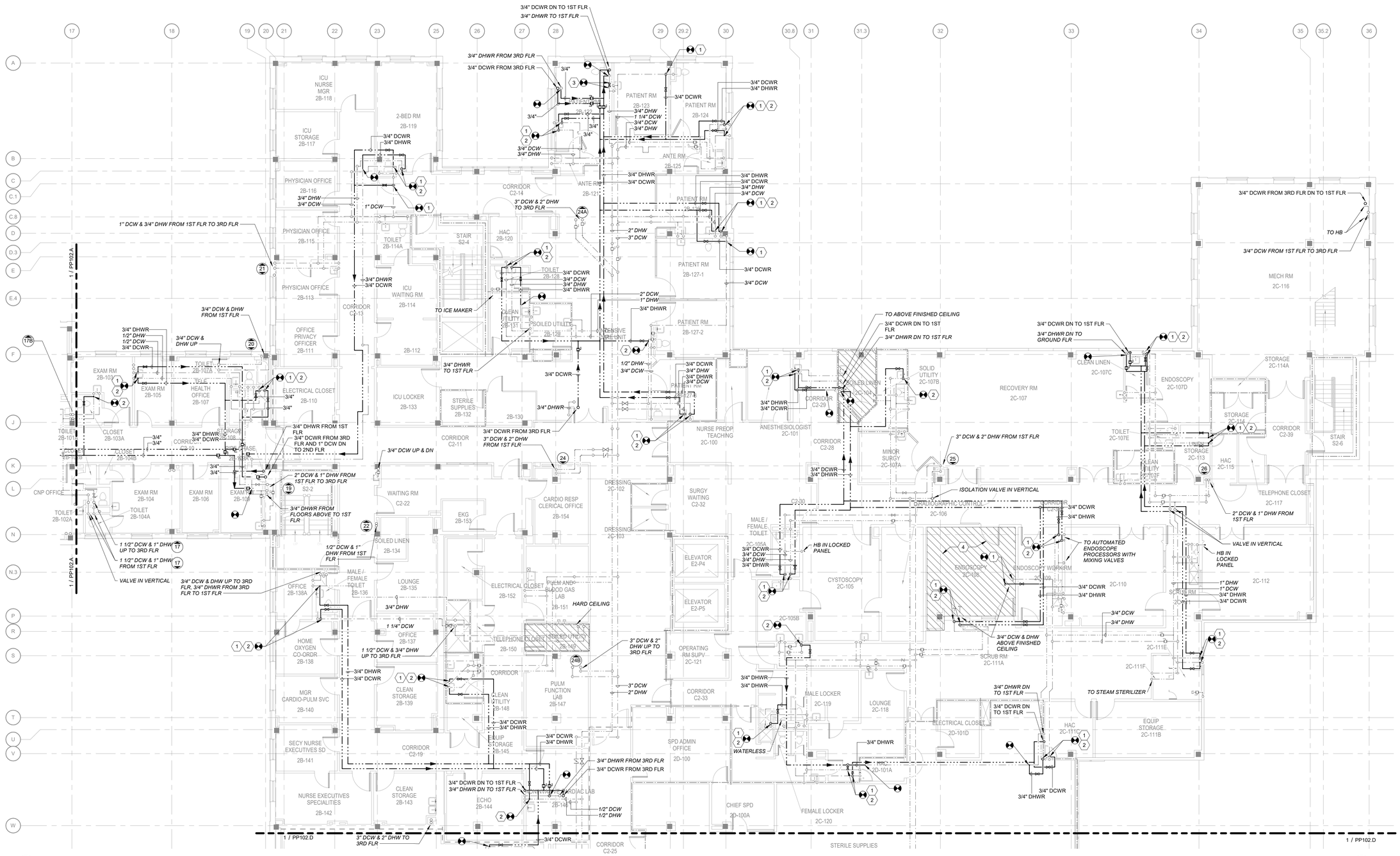
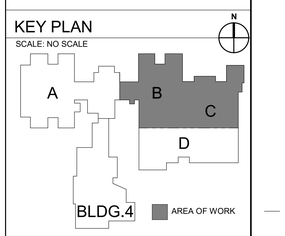
KEY NOTES:

1. CONNECT DCWR PIPING TO DCW PIPING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DCWR TO DCW PER DETAIL 4/P-501.
2. CONNECT DHWR PIPING TO DHW PIPING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DHWR TO DHW PER DETAIL 4/P-501.
3. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY PER DETAIL 4/P-501.
4. HATCHED AREA CONTAINS HARD CEILING.



1 SECOND FLOOR DOMESTIC WATER PLAN - AREA B & C

Scale: 1/8" = 1'-0"



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#	Revisions:	Date

CONSULTANTS:

COMMONWEALTH OF VIRGINIA — Svetlana M. Reid — SVETLANA MISEVICH REID — Lic. No. 0402068436 — PROFESSIONAL ENGINEER — 7/18/2025

PROJECT MANAGER

ACG Project Number: 23-039

APOGEE Engineers | Architects

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: SECOND FLOOR DOMESTIC WATER PLAN - AREA B & C

Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Approved

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

Drawing Number: PP102.B

Dwg 37 of 56

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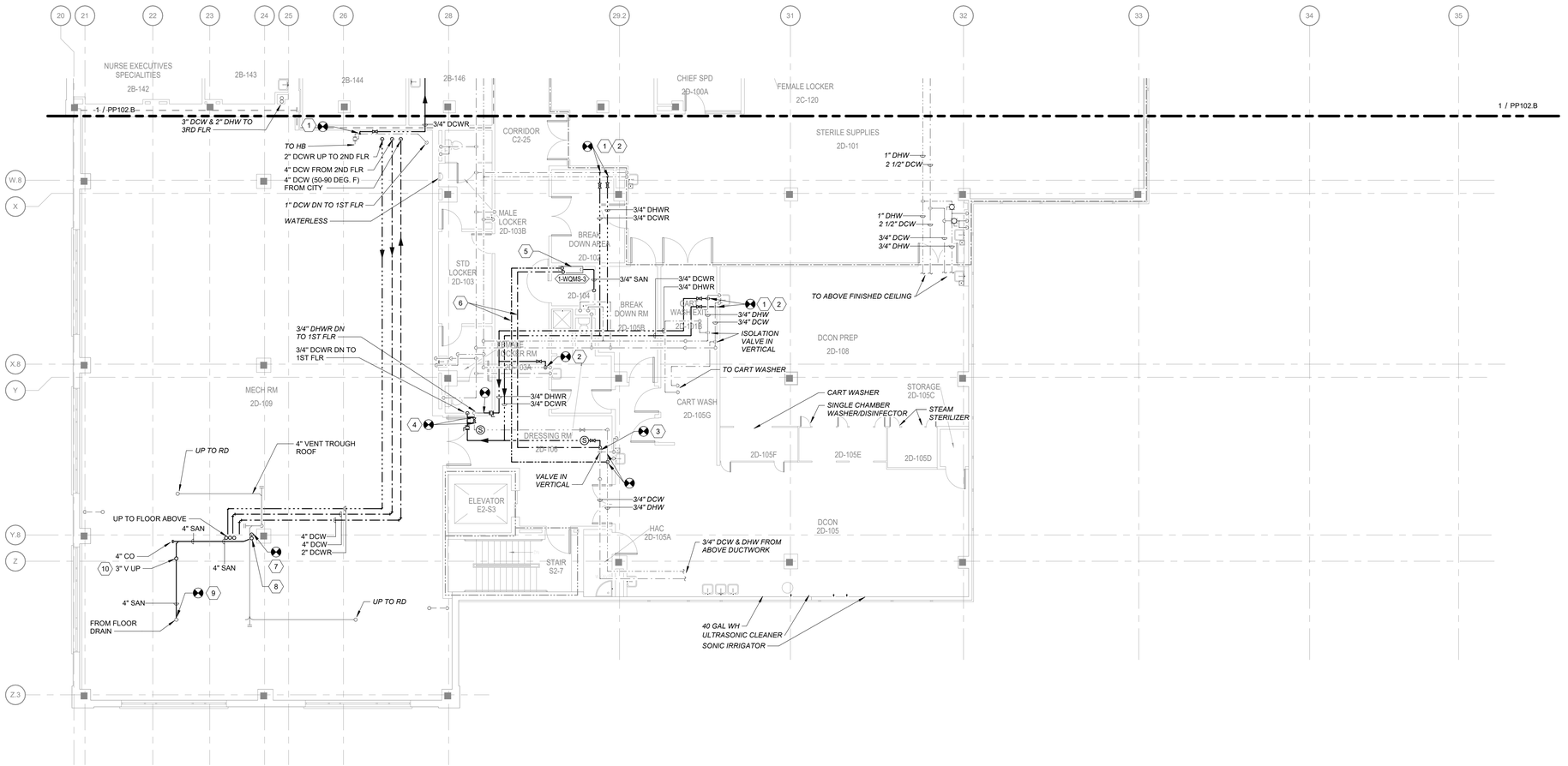


1 SECOND FLOOR PLUMBING PLAN - AREA D

Scale: 1/8" = 1'-0"

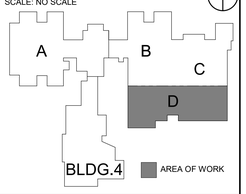
0 4 8 16 NORTH

KEY NOTES:

1. CONNECT DCWR PIPING TO DCW PIPING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DCWR TO DCW PER DETAIL 4/P-501.
2. CONNECT DHWR PIPING TO DHW PIPING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DHWR TO DHW PER DETAIL 4/P-501.
3. CONNECT DCWR PIPING TO DCW PIPING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DCWR TO DCW PER DETAIL 5/P-501.
4. CONNECT DHWR PIPING TO DHW PIPING ABOVE CEILING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DHWR TO DHW PER DETAIL 5/P-501.
5. PROVIDE END-OF-RUN DCW & DHW MONITORING STATION. PROVIDE DRAIN AND EXTEND TO MOP SINK.
6. PROVIDE DCW AND DHW PIPING TO WATER QUALITY MONITORING STATION.
7. CONNECT NEW 4" VENT TO EXISTING AND OFFSET 4" VENT 45 DEGREES.
8. 4" VENT UP THROUGH SLAB INTO PENTHOUSE.
9. CONNECT NEW 4" SANITARY TO EXISTING ROOF DRAIN INSIDE THE PENTHOUSE.
10. 3" VENT UP THROUGH SLAB TO PENTHOUSE.

KEY PLAN

SCALE: NO SCALE



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SVETLANA MISEVICH REID
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PROFESSIONAL ENGINEER
7/18/2025

PROJECT MANAGER

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VA U.S. Department of Veterans Affairs

Drawing Title: SECOND FLOOR PLUMBING PLAN - AREA D

Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Approved

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

Drawing Number: PP102.D

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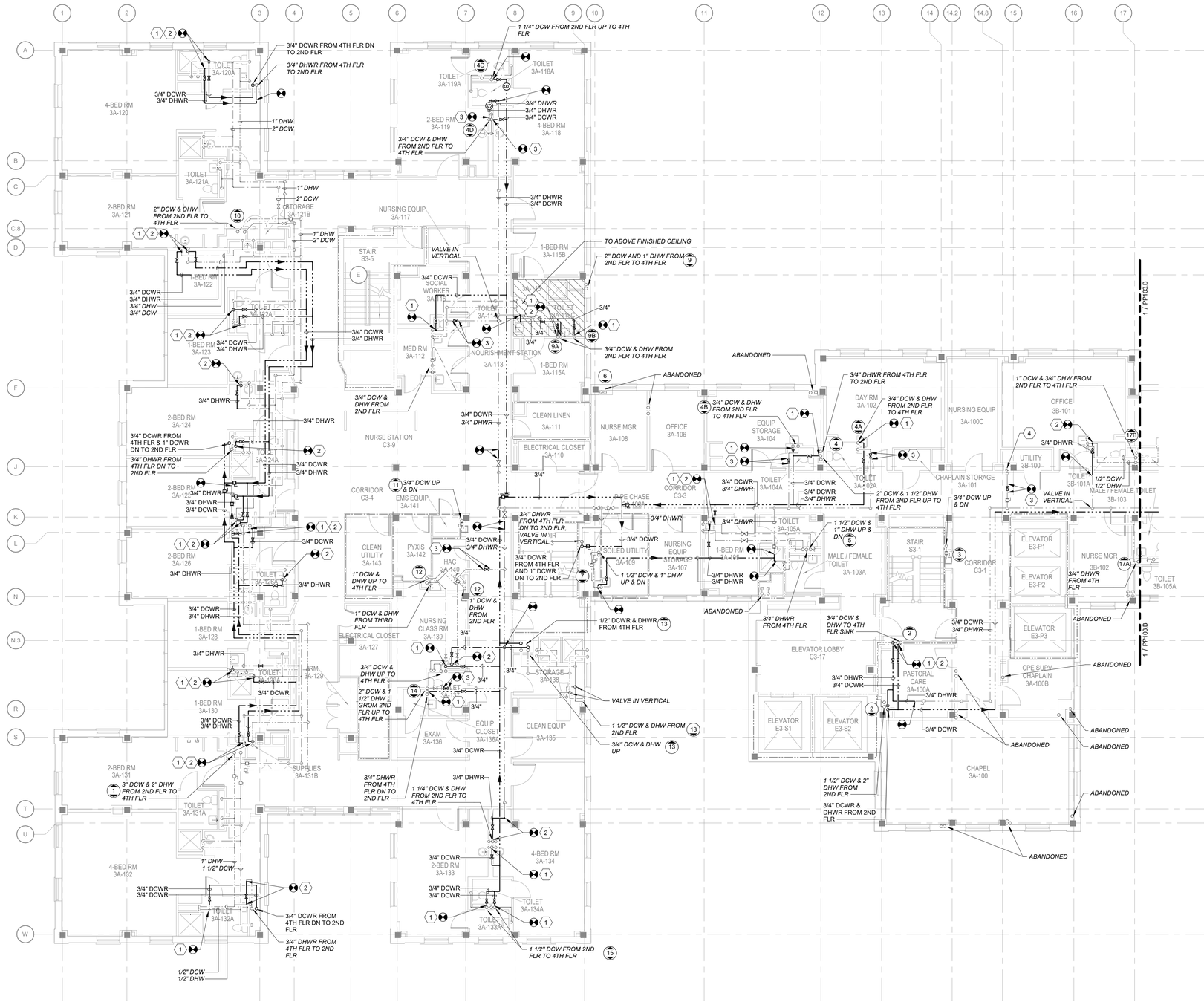

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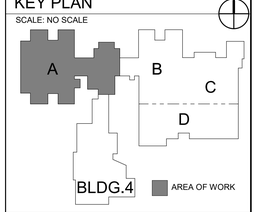
3. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY PER DETAIL 4/P-501.
4. UNABLE TO FOLLOW. VERIFY ORIGIN OF SUPPLY.

KEY PLAN

SCALE: NO SCALE



1 THIRD FLOOR DOMESTIC WATER PLAN - AREA A

Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

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#	Revisions:	Date

CONSULTANTS:

COMMONWEALTH OF VIRGINIA — SVETLANA MISEVICH REID — Lic. No. 0402068436 — PROFESSIONAL ENGINEER — 7/18/2025

PROJECT MANAGER

ACG Project Number 23-039

APOGEE Engineers | Architects

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VA U.S. Department of Veterans Affairs

Drawing Title: THIRD FLOOR DOMESTIC WATER PLAN - AREA A

Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER 619-23-105

Building Number # 1

Approved

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

Drawing Number PP103.A

Dwg 39 of 56

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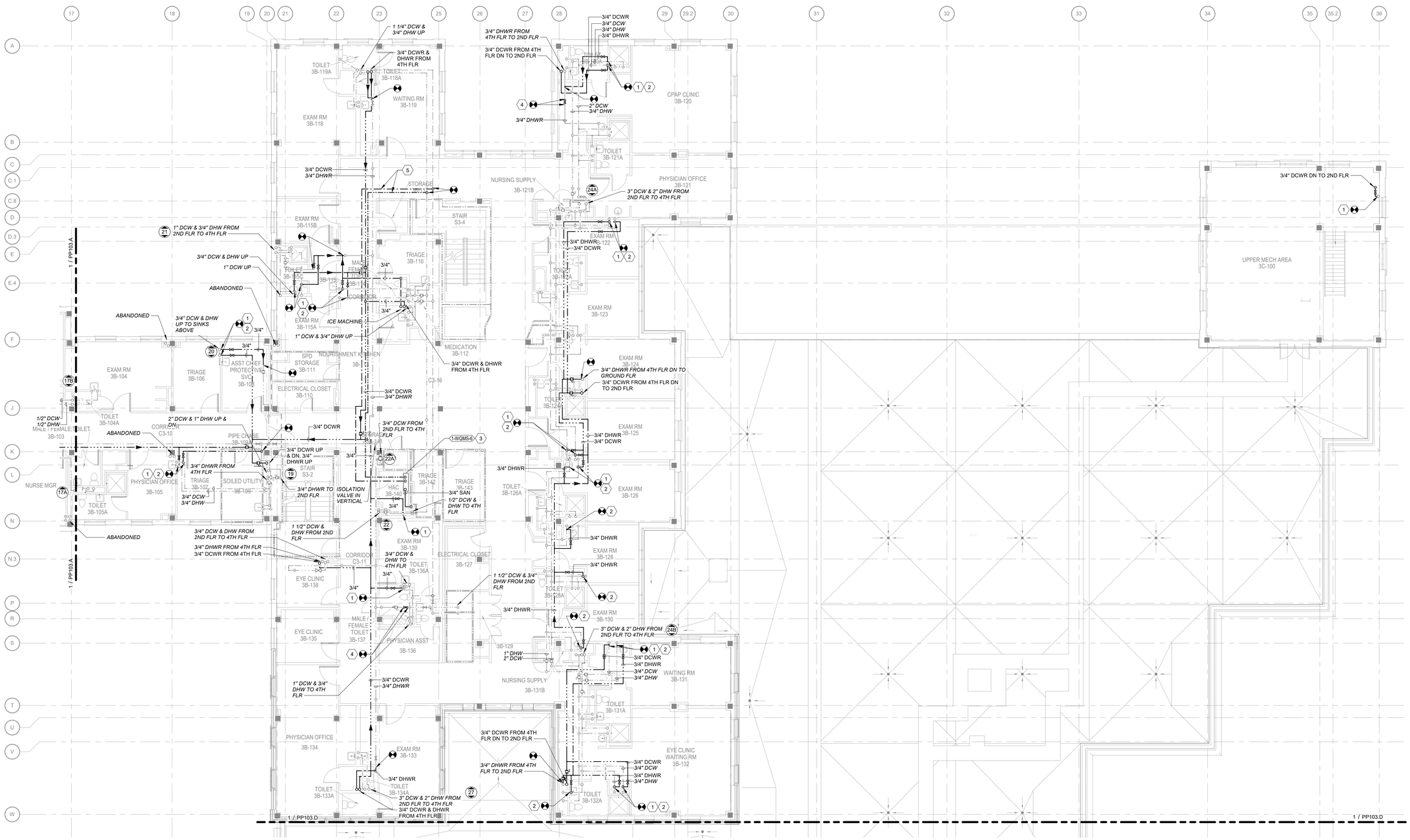

1 **THIRD FLOOR DOMESTIC WATER PLAN - AREA B & C**
Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

KEY NOTES:

1. CONNECT DCWR PIPING TO DCW PIPING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DCWR TO DCW PER DETAIL 4/P-501.
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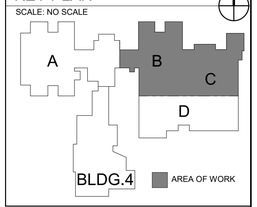
3. PROVIDE END-OF-RUN DCW & DHW MONITORING STATION.
4. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY PER DETAIL 4/P-501.
5. PROVIDE DCW AND DHW PIPING TO WATER QUALITY MONITORING STATION.

KEY PLAN
SCALE: NO SCALE



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#	Revisions:	Date

CONSULTANTS:

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PROFESSIONAL ENGINEER
7/18/2025

PROJECT MANAGER
ACG Project Number 23-039

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VA U.S. Department of Veterans Affairs

Drawing Title: THIRD FLOOR DOMESTIC WATER PLAN - AREA B & C
Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1
VA PROJECT NUMBER: 619-23-105
Building Number: # 1
Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109
Approved:
Date: JULY 16, 2025
Checked: SMR
Drawn: SMR
Drawing Number: PP103.B
Dwg 40 of 56

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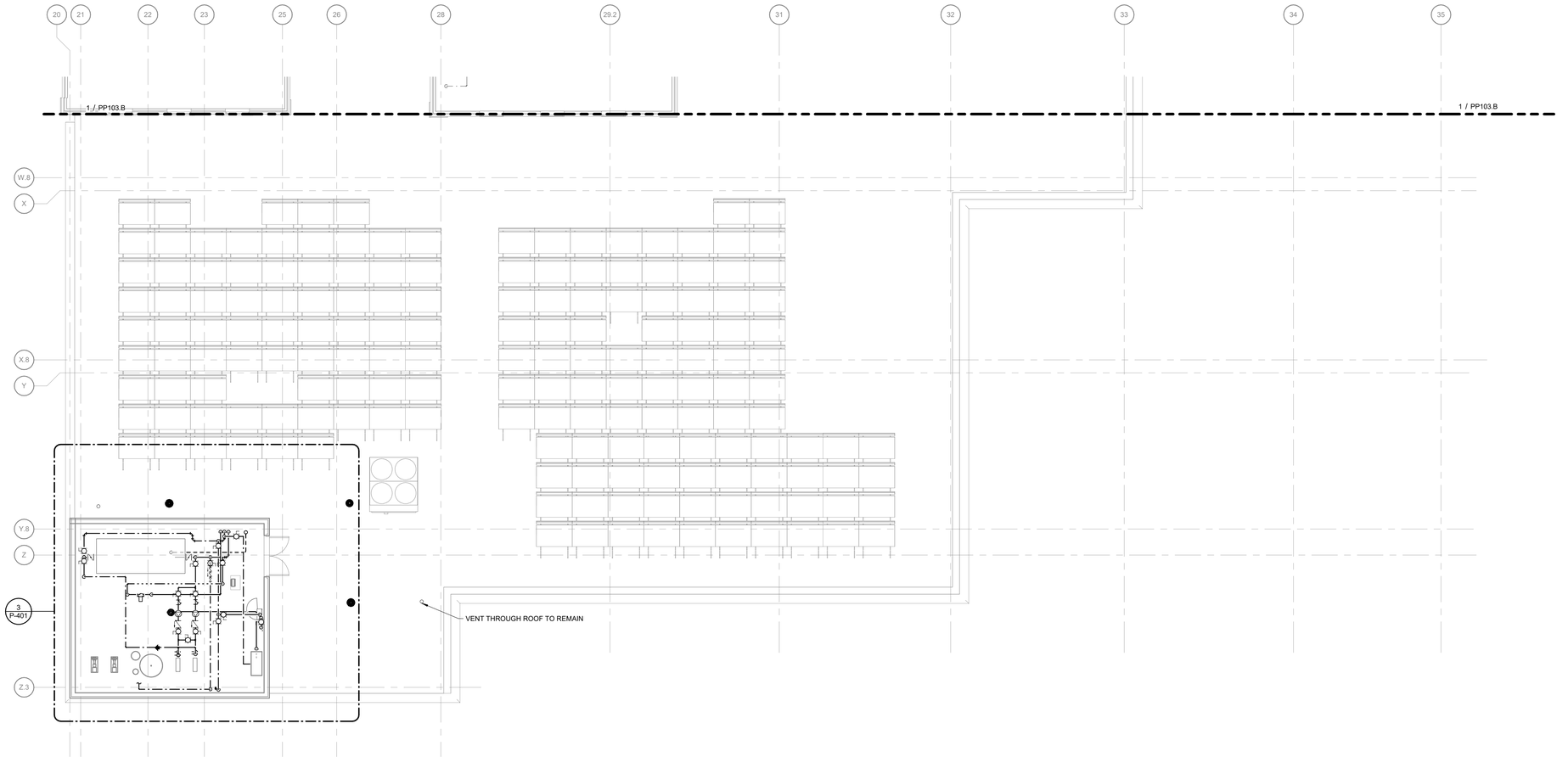
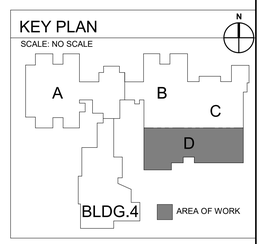


1 THIRD FLOOR PLUMBING PLAN - AREA D
Scale: 1/8" = 1'-0"

0 4 8 16



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100% CONSTRUCTION DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

COMMONWEALTH OF VIRGINIA
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7/18/2025

PROJECT MANAGER

ACG Project Number 23-039

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: THIRD FLOOR PLUMBING PLAN - AREA D

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

Approved

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Drawing Number: PP103.D

Dwg 41 of 56

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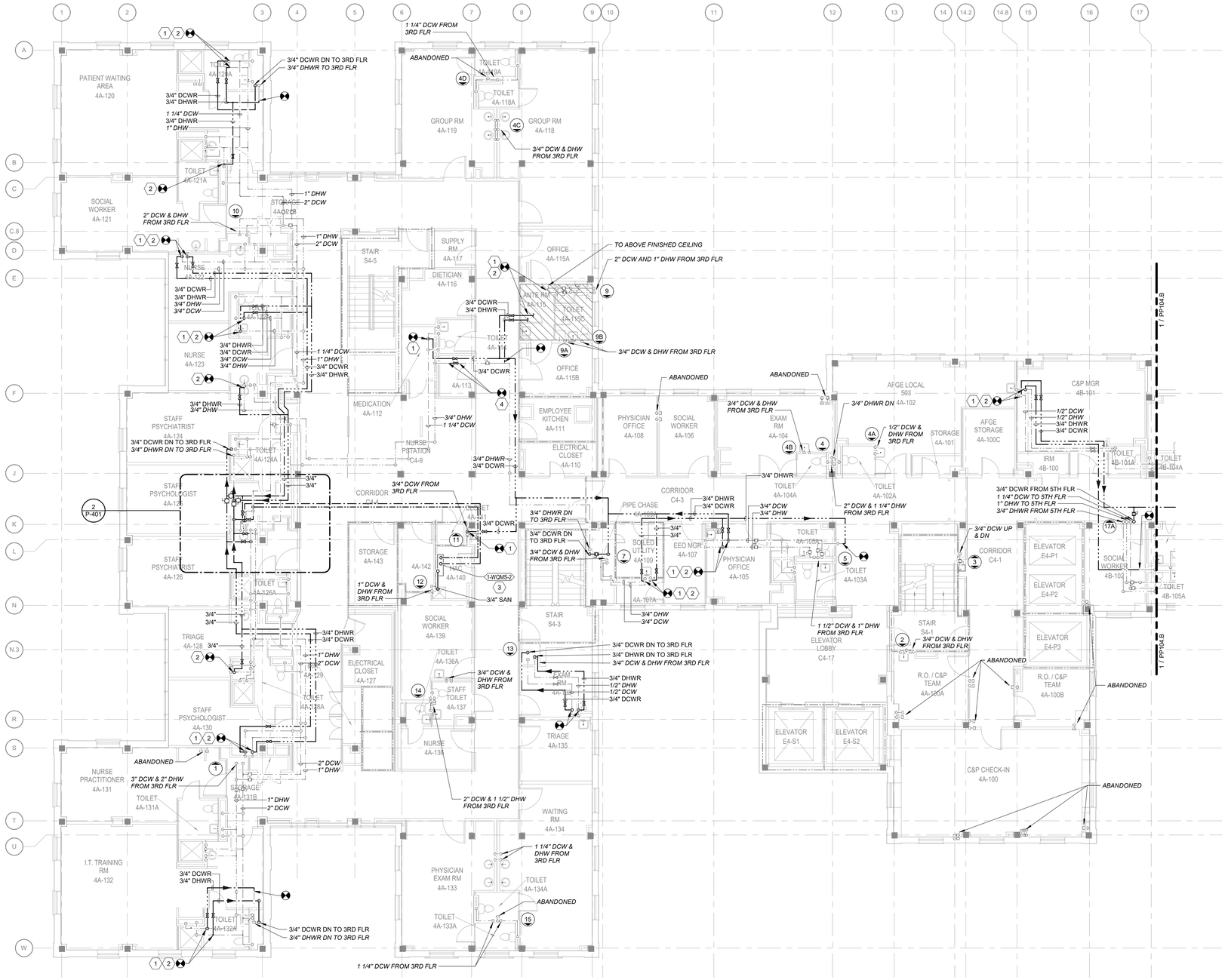


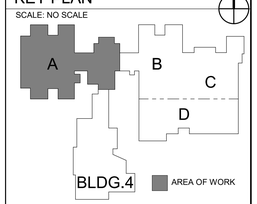
1 FOURTH FLOOR DOMESTIC WATER PLAN - AREA A
Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

KEY NOTES:

1. CONNECT DCWR PIPING TO DCW PIPING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DCWR TO DCW PER DETAIL 4/P-501.
2. CONNECT DHWR PIPING TO DHW PIPING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DHWR TO DHW PER DETAIL 4/P-501.
3. PROVIDE END-OF-RUN DCW & DHW MONITORING STATION. PROVIDE DRAIN AND EXTEND TO MOP SINK.
4. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY PER DETAIL 4/P-501.

KEY PLAN
SCALE: NO SCALE



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#	Revisions:	Date

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ACG Project Number 23-039

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VA U.S. Department of Veterans Affairs

Drawing Title: FOURTH FLOOR DOMESTIC WATER PLAN - AREA A
Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1
VA PROJECT NUMBER: 619-23-105
Building Number: # 1
Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109
Approved
Date: JULY 16, 2025
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Drawn: SMR
Drawing Number: PP104.A
Dwg 42 of 56

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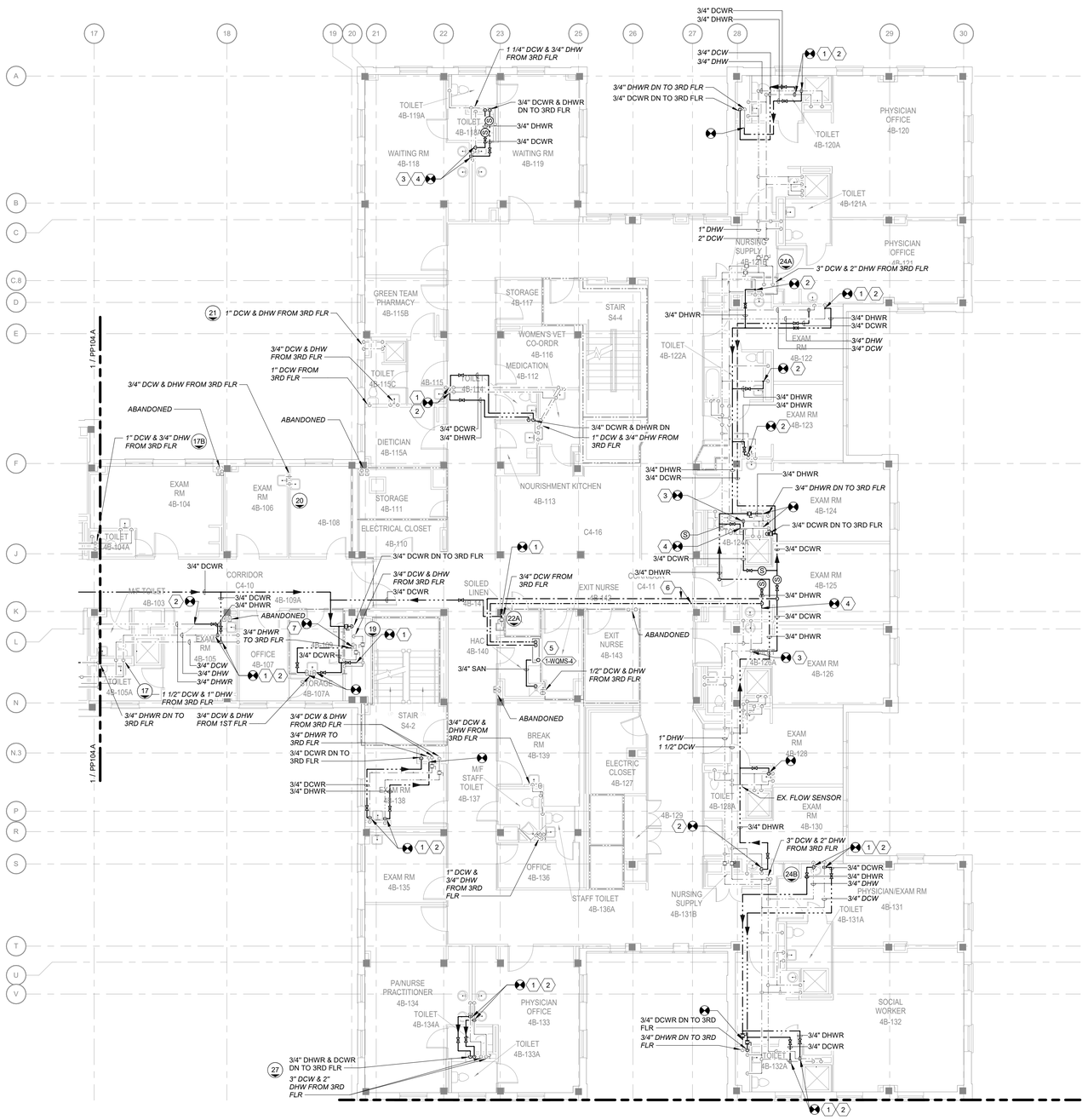


1 FOURTH FLOOR DOMESTIC WATER PLAN - AREA B

Scale: 1/8" = 1'-0"

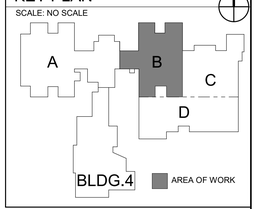
0 4 8 16 NORTH

KEY NOTES:

1. CONNECT DCWR PIPING TO DCW PIPING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DCWR TO DCW PER DETAIL 4/P-501.
2. CONNECT DHWR PIPING TO DHW PIPING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DHWR TO DHW PER DETAIL 4/P-501.
3. CONNECT DCWR PIPING TO DCW PIPING ABOVE CEILING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DCWR TO DCW PER DETAIL 5/P-501.
4. CONNECT DHWR PIPING TO DHW PIPING ABOVE CEILING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DHWR TO DHW PER DETAIL 5/P-501.
5. PROVIDE END-OF-RUN DCW & DHW MONITORING STATION. PROVIDE DRAIN AND EXTEND TO MOP SINK.
6. PROVIDE DCW AND DHW PIPING TO WATER QUALITY MONITORING STATION.
7. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY PER DETAIL 4/P-501.

KEY PLAN

SCALE: NO SCALE



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#	Revisions:	Date

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SVETLANA MISEVICH REID Lic. No. 0402068436 PROFESSIONAL ENGINEER COMMONWEALTH OF VIRGINIA 7/18/2025

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APOGEE Engineers | Architects

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ACG Project Number 23-039

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: FOURTH FLOOR DOMESTIC WATER PLAN - AREA B

Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER 619-23-105

Building Number # 1

Approved

Date JULY 16, 2025 | Checked SMR | Drawn SMR

Drawing Number PP104.B

Dwg 43 of 56

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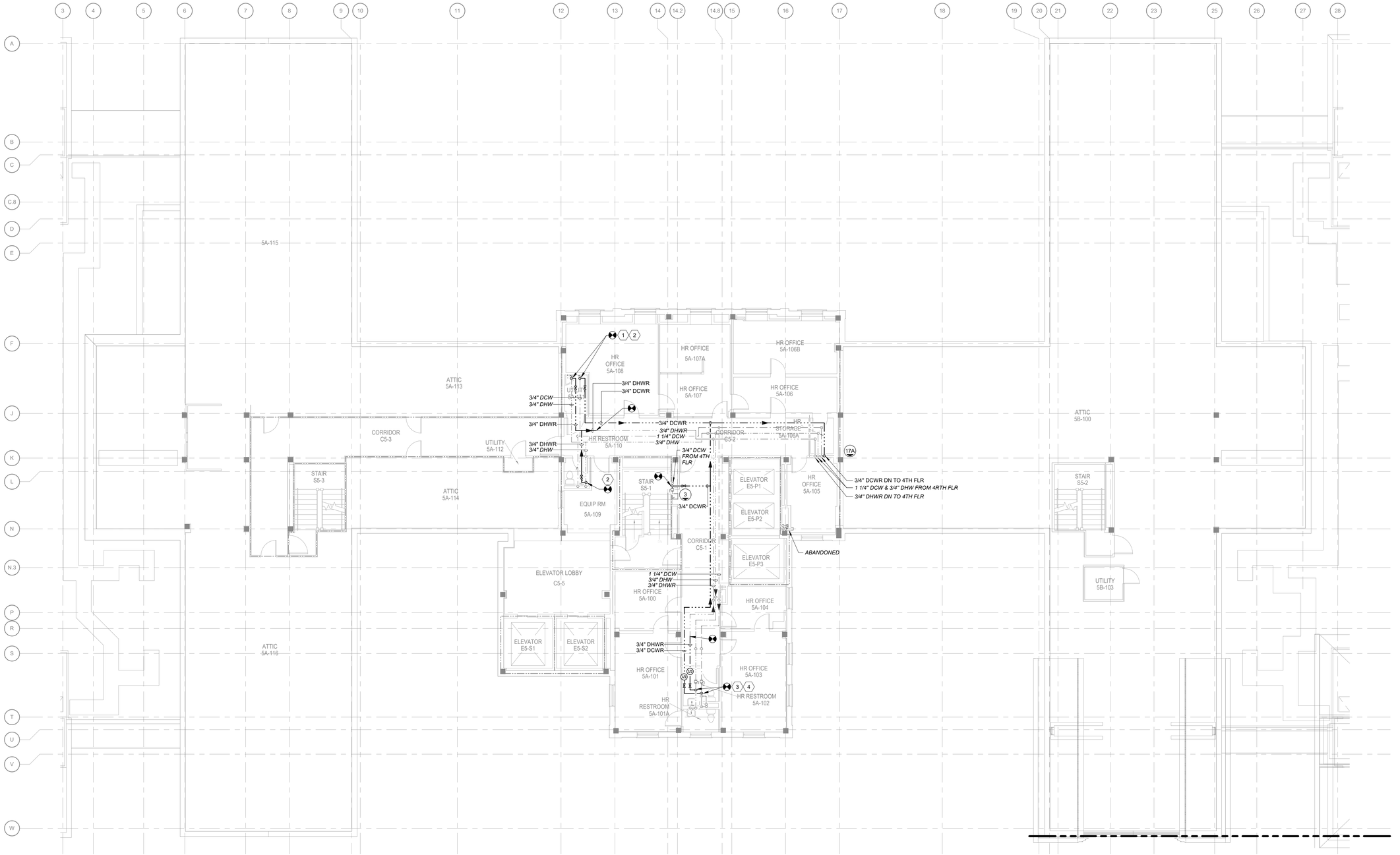


1 FIFTH FLOOR DOMESTIC WATER PLAN

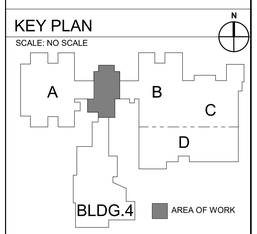
Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

KEY NOTES:

1. CONNECT DCWR PIPING TO DCW PIPING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DCWR TO DCW PER DETAIL 4/P-501.
2. CONNECT DHWR PIPING TO DHW PIPING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DHWR TO DHW PER DETAIL 4/P-501.
3. CONNECT DCWR PIPING TO DCW PIPING ABOVE CEILING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DCWR TO DCW PER DETAIL 5/P-501.
4. CONNECT DHWR PIPING TO DHW PIPING ABOVE CEILING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DHWR TO DHW PER DETAIL 5/P-501.

KEY PLAN
SCALE: NO SCALE



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#	Revisions:	Date

CONSULTANTS:

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7/18/2025

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ACG Project Number 23-039

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VA U.S. Department of Veterans Affairs

Drawing Title: FIFTH FLOOR DOMESTIC WATER PLAN

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Approved:

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

Drawing Number: PP105

Dwg 44 of 56

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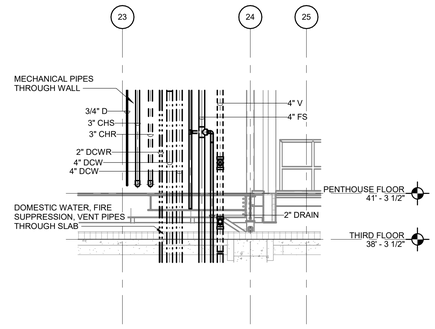
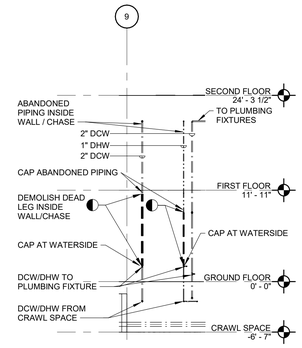


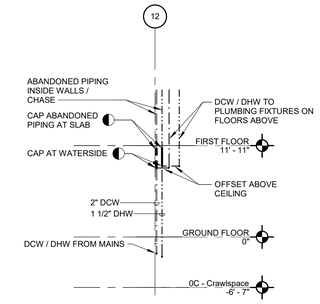
4 PLUMBING / MECHANICAL / FS PIPES THROUGH SLAB IN PENTHOUSE

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



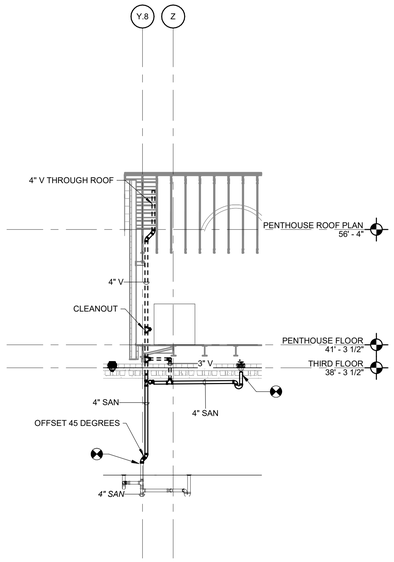
1 TYPICAL PIPE DEMOLITION INSIDE WALLS / CHASES

Scale: 1/8" = 1'-0"



2 TYPICAL DEMOLITION ABOVE CEILING

Scale: 1/8" = 1'-0"



3 SANITARY / VENT IN PENTHOUSE

Scale: 1/8" = 1'-0"

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#	Revisions:	Date

CONSULTANTS:

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7/18/2025

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ACG Project Number 23-039

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VA U.S. Department of Veterans Affairs

Drawing Title: PLUMBING SECTIONS

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Approved:

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

Drawing Number: P-301

Dwg 45 of 56

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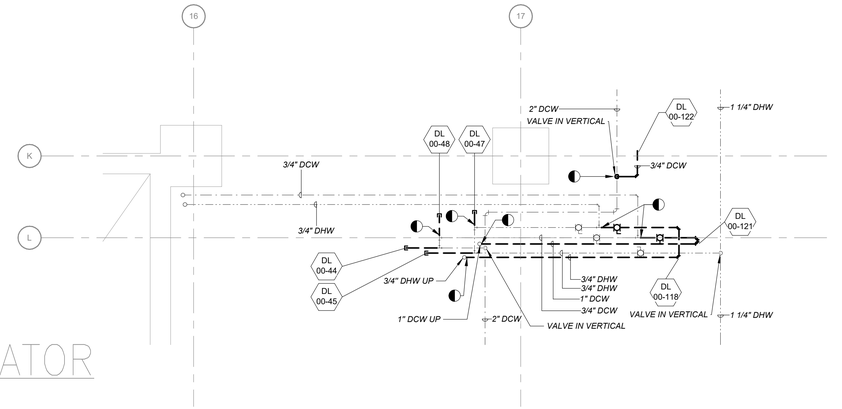
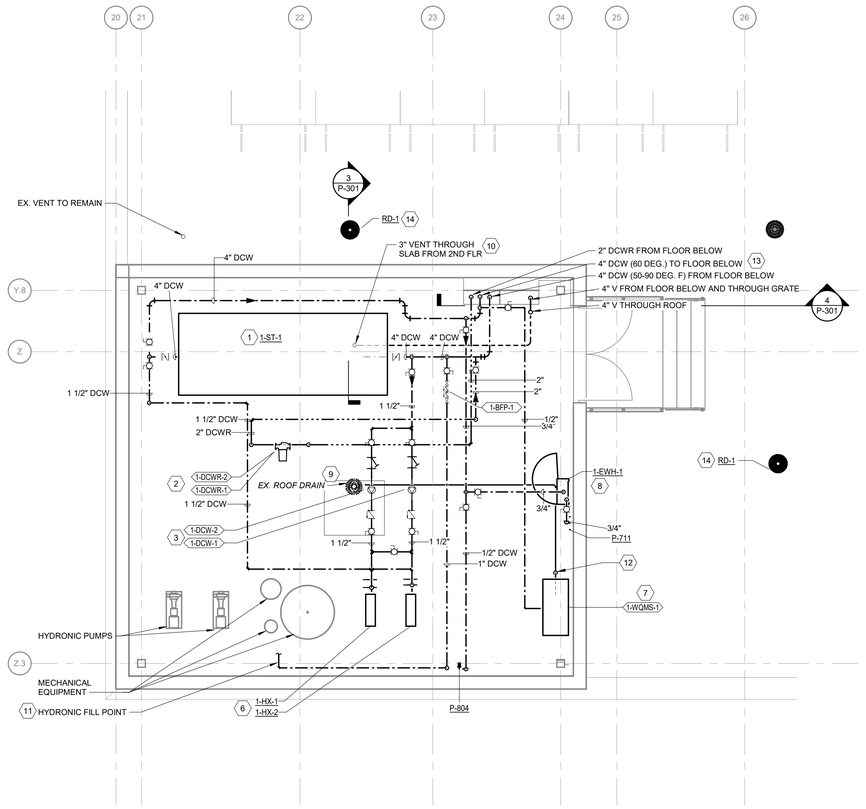


1 ENLARGED CRAWL SPACE FLOOR PLUMBING DEMOLITION PLAN - AREA B & C - PHASE 1

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

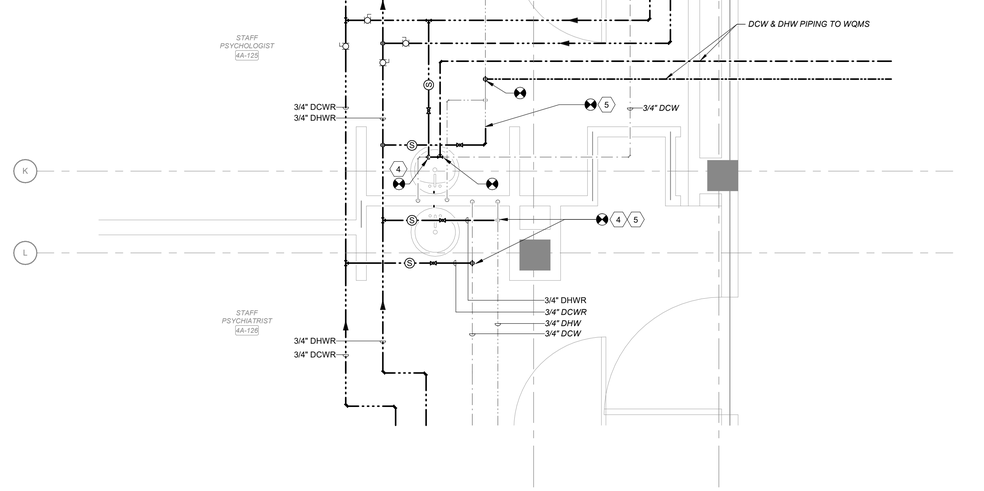
0 1 2 4 NORTH



3 ENLARGED PLUMBING PLAN - PENTHOUSE

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

0 2 4 8 NORTH



2 ENLARGED FOURTH FLOOR PLUMBING PLAN

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

0 1 2 4 NORTH

SHEET NOTES:

A. COORDINATE EQUIPMENT NOMENCLATURE ON EQUIPMENT TAGS WITH THE VA COR. EQUIPMENT NAME MAY BE DIFFERENT THAN SHOWN ON THE DRAWINGS.

B. EQUIPMENT WEIGHTING LESS THAN 100 PSF CAN BE DIRECTLY MOUNTED TO GRATE FLOORING. COORDINATE LOCATION OF EQUIPMENT WITH STRUCTURAL FOR EQUIPMENT WEIGHTING 100 PSF OR MORE.

KEY NOTES:

1 PROVIDE POTABLE STORAGE TANK PER DETAIL 3 / P-502.
2 PROVIDE DOMESTIC COLD WATER RECIRCULATION PUMP. INSTALL PER DETAIL 2 / P-502.
3 PROVIDE STORAGE TANK DOMESTIC WATER PUMPS. INSTALL PER DETAIL 4 / P-502.
4 CONNECT DCWR PIPING TO DCW PIPING ABOVE CEILING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DCWR TO DCW PER DETAIL 5/P-501.
5 CONNECT DHWR PIPING TO DHW PIPING ABOVE CEILING AS CLOSE TO THE FIXTURE AS POSSIBLE. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY AT THE POINT OF CONNECTION OF DHWR TO DHW PER DETAIL 5/P-501.
6 PROVIDE DOMESTIC WATER HEAT EXCHANGER. INSTALL PER DETAIL 5 / M-501.
7 PROVIDE FLOOR MOUNTED WATER QUALITY MONITORING STATION.
8 PROVIDE FLOOR MOUNTED ELECTRIC WATER HEATER. INSTALL PER DETAIL 5 / P-502.
9 EXISTING ROOF DRAIN TO BE USED AS FLOOR DRAIN. PROVIDE WITH P-TRAP AND CONNECT TO SANITARY BELOW ROOF. PROVIDE WITH ASSE 1072 APPROVED TRAP GUARD.
10 OFFSET VENT HORIZONTALLY UNDER GRATE BAR FLOOR NO LESS THAN 6 INCHES ABOVE THE TOP OF THE ROOF DRAIN.
11 INSTALL PER DETAIL 1 / P-502.
12 3/4" DRAIN THROUGH GRATE FLOORING AND TO FLOOR DRAIN.
13 DOMESTIC WATER PIPING TROUGH GRATE AND THROUGH SLAB TO FLOOR BELOW.
14 PROVIDE NEW ROOF DRAIN. RECONNECT TO EXISTING STORM PIPING.

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#	Revisions:	Date

CONSULTANTS:

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ACG Project Number 23-039

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ENLARGED PLUMBING PLANS

Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER 619-23-105

Building Number # 1

Approved

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Drawing Number P-401

Dwg 46 of 56

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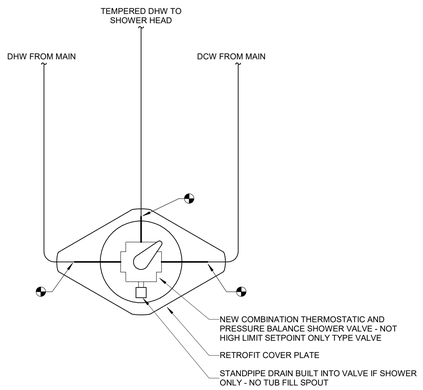
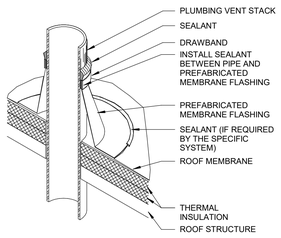


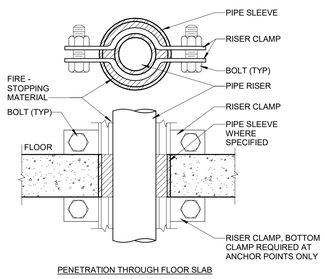
NOTES:
1. ADJUST BLOCKING AS REQUIRED.

9 SHOWER/TUB VALVE RETROFIT DETAIL
Scale: No Scale



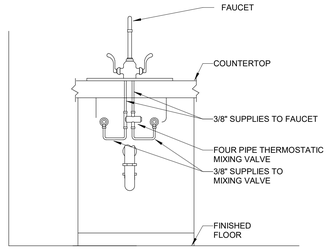
NOTES:
1. VENT STACKS AND OTHER PIPES SHALL HAVE A MINIMUM OF 12 INCHES OF CLEARANCE ON ALL SIDES FROM WALLS, CURBS, AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING.

10 ROOF VENT DETAIL
Scale: No Scale



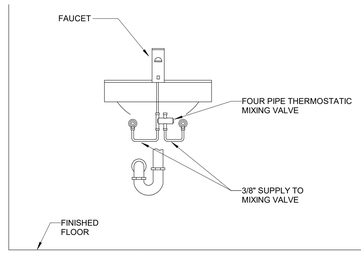
PENETRATION THROUGH FLOOR SLAB

11 PIPE FLOOR PENETRATION DETAIL
Scale: No Scale



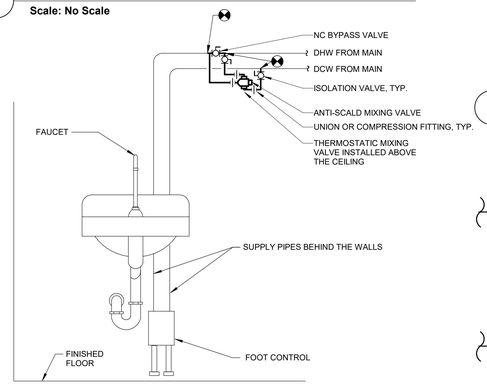
NOTES:
1. PROVIDE THERMOSTATIC MIXING VALVE WITH HOT WATER BY-PASS LEVER AND REPLACE COPPER FLEXIBLE TUBING OR FLEXIBLE STAINLESS STEEL HOSES AS REQUIRED TO INSTALL THERMOSTATIC MIXING PER NOTE 2, 3, 4.
2. SUPPLY HOSE LENGTH TO THERMOSTATIC MIXING VALVE AND TO FAUCET SHALL BE AS SHORT AS POSSIBLE. EXISTING HOSES SHALL BE REPLACED WITH SHORTER HOSES AS NECESSARY TO MINIMIZE THE LENGTH OF UNCIRCULATED PIPE LENGTH TO FAUCET.
3. INSTALL THERMOSTATIC MIXING VALVE AS CLOSE TO THE FAUCET AS POSSIBLE.
4. MOUNT THERMOSTATIC MIXING VALVE TO WALL IF USING SUPPLY HOSES.

6 TWO HANDLE FAUCET DETAIL
Scale: No Scale



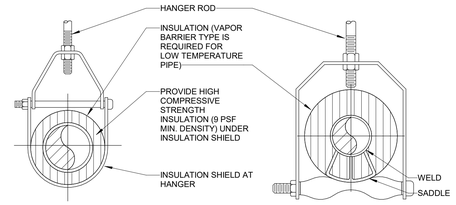
NOTES:
1. PROVIDE THERMOSTATIC MIXING VALVE WITH HOT WATER BY-PASS LEVER AND REPLACE COPPER FLEXIBLE TUBING OR FLEXIBLE STAINLESS STEEL HOSES AS REQUIRED TO INSTALL THERMOSTATIC MIXING PER NOTE 2, 3, 4.
2. SUPPLY HOSE LENGTH TO THERMOSTATIC MIXING VALVE AND TO FAUCET SHALL BE AS SHORT AS POSSIBLE. EXISTING HOSES SHALL BE REPLACED WITH SHORTER HOSES AS NECESSARY TO MINIMIZE THE LENGTH OF UNCIRCULATED PIPE LENGTH TO FAUCET.
3. INSTALL THERMOSTATIC MIXING VALVE AS CLOSE TO THE FAUCET AS POSSIBLE.
4. MOUNT THERMOSTATIC MIXING VALVE TO WALL IF USING SUPPLY HOSES.

7 SENSOR OPERATED FAUCET DETAIL
Scale: No Scale



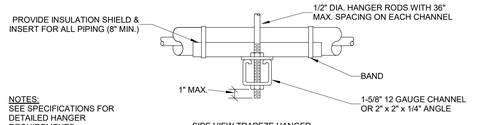
NOTES:
1. INSTALL THERMOSTATIC MIXING VALVE AS CLOSE TO THE FAUCET AS POSSIBLE.

8 HAND SINK DETAIL - WITH FOOT PEDALS
Scale: No Scale



ADJUSTABLE CLEVIS HANGER TYPE 1 - SEE SPECIFICATIONS

ADJUSTABLE CLEVIS HANGER TYPE 43 - SEE SPECIFICATIONS

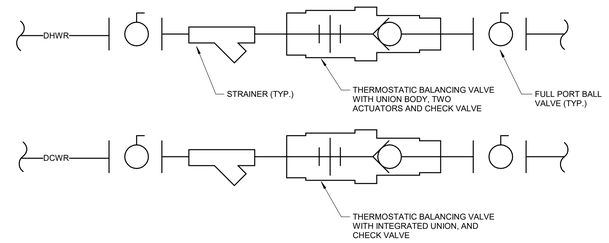


NOTES:
SEE SPECIFICATIONS FOR DETAILED HANGER REQUIREMENTS.

SIDE VIEW TRAPEZE HANGER FOR UP TO 1000 LB. UNIFORM LOAD

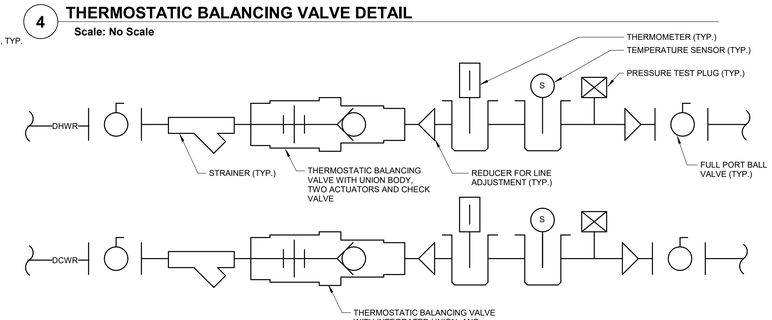
MAXIMUM PIPE/TUBING SUPPORT SPACING												
NOM. SIZE (IN.)	THRU 3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12
PIPE (FT.)	7	7	7	9	10	11	12	14	16	17	19	22	23
TUBING (FT.)	5 FT	6	7	8	8	9	10	12	13	14	16	-	-
NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE													

3 PIPE HANGER DETAIL
Scale: No Scale



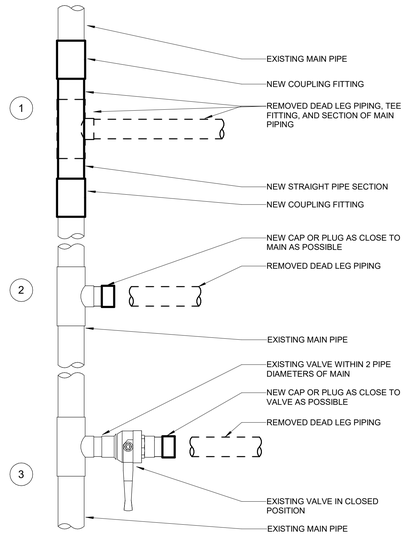
NOTE:
1. DHWR BALANCING VALVE SHALL RESTRICT FLOW AT 125°F WITH A HIGH-TEMPERATURE BYPASS ACTUATING AT 170°F FOR DHWR.
2. DCWR BALANCING VALVE SHALL RESTRICT FLOW AT 65 °F.

4 THERMOSTATIC BALANCING VALVE DETAIL
Scale: No Scale



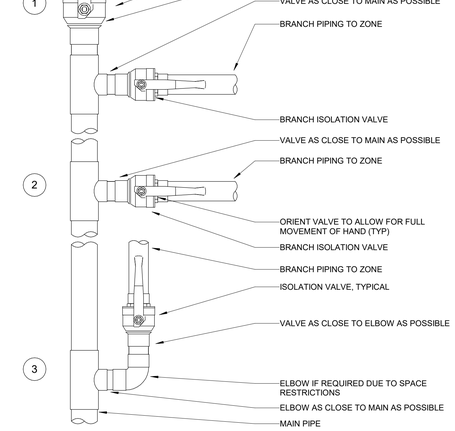
NOTE:
1. DHWR BALANCING VALVE SHALL RESTRICT FLOW AT 125°F WITH A HIGH-TEMPERATURE BYPASS ACTUATING AT 170°F FOR DHWR.
2. DCWR BALANCING VALVE SHALL RESTRICT FLOW AT 65 °F.
3. CONNECT TEMPERATURE SENSOR TO END OF RUN WATER QUALITY MONITORING SYSTEM.

5 THERMOSTATIC BALANCING VALVE DETAIL - END OF RUN
Scale: No Scale



NOTES:
1. DISTANCE FROM MAIN OR VALVE TO THE CAP SHALL BE NO GREATER THAN TWO PIPE DIAMETERS FROM THE BRANCH, RISER, OR MAIN THAT IT IS CONNECTED TO, OR AS CLOSE AS POSSIBLE IF SPACE LIMITATIONS OR FITTING CONFIGURATION DOES NOT ALLOW FOR TWO PIPE DIAMETERS. COR TO BE NOTIFIED PRIOR TO INSTALLATION.

1 DEAD LEG REMOVAL DETAIL
Scale: No Scale



NOTE:
1. DISTANCE FROM MAIN TO THE VALVE SHALL BE NO GREATER THAN TWO PIPE DIAMETERS FROM THE BRANCH, RISER, OR MAIN THAT IT IS CONNECTED TO, OR AS CLOSE AS POSSIBLE IF SPACE LIMITATIONS OR FITTING CONFIGURATION DOES NOT ALLOW FOR TWO PIPE DIAMETERS. COR TO BE NOTIFIED PRIOR TO INSTALLATION.
2. COR APPROVAL REQUIRED FOR INSTALLATION TYPE 3 WITH ELBOW BEFORE VALVE.

2 ISOLATION VALVE LOCATION DETAIL
Scale: No Scale

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#	Revisions:	Date

CONSULTANTS:

COMMONWEALTH OF VIRGINIA — SVETLANA MISEVICH REID — Lic. No. 0402068436 — PROFESSIONAL ENGINEER — 7/18/2025

PROJECT MANAGER

ACG Project Number: 23-039

APOGEE Engineers | Architects

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: PLUMBING DETAILS

Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Approved:

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

Drawing Number: P-501

Dwg 47 of 56

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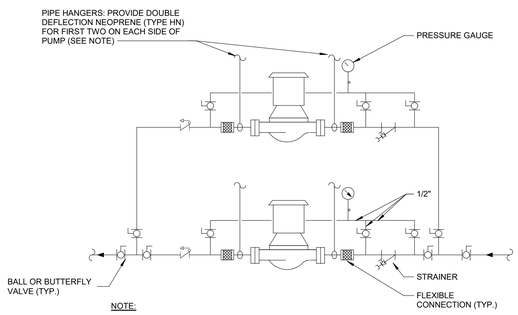
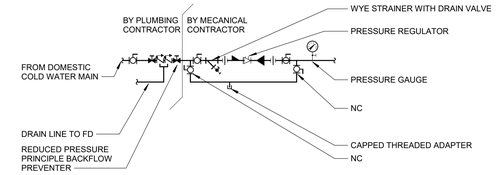


NOTE:

SUPPORT PUMP FROM PIPING ONLY. DO NOT SUPPORT PUMP FROM MOTOR.

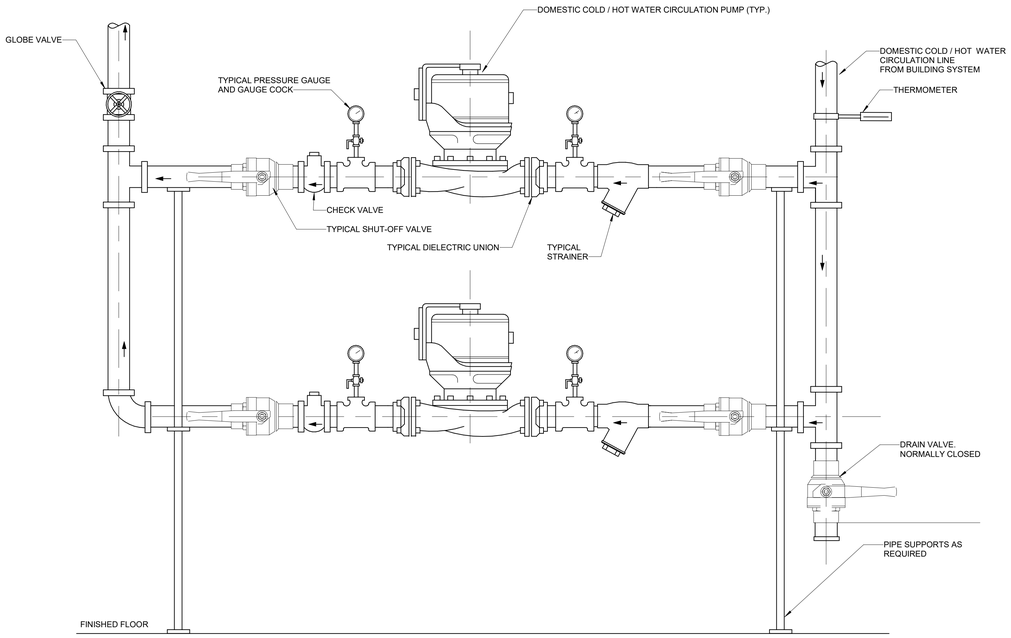
4 DOMESTIC COLD WATER PUMP (FOR POTABLE WATER TANK)

Scale: No Scale



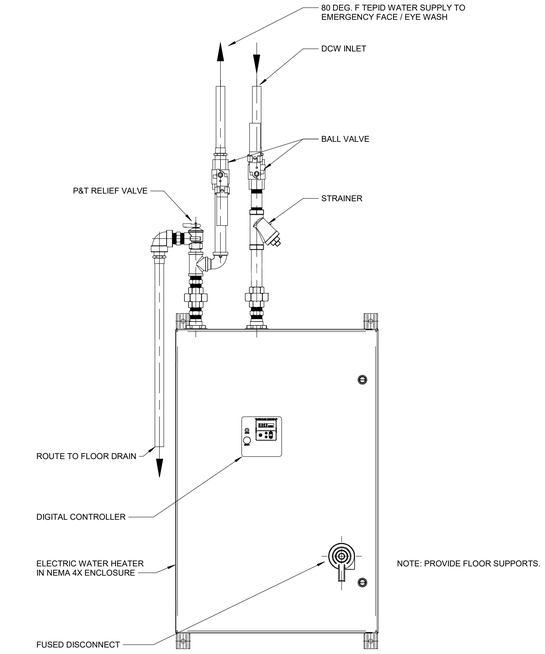
1 HYDRONIC FILL DETAIL

Scale: No Scale



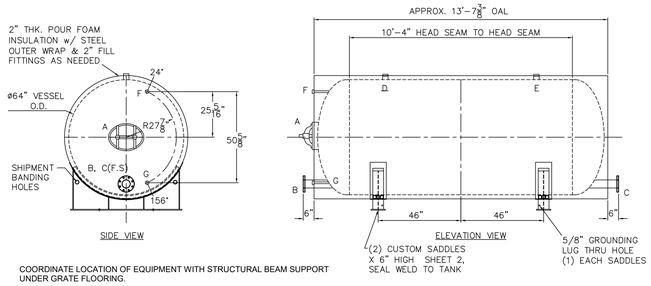
2 DOMESTIC COLD AND HOT WATER RECIRCULATION PUMPS

Scale: No Scale



5 INSTANTANEOUS ELECTRIC WATER HEATER DETAIL

Scale: No Scale



COORDINATE LOCATION OF EQUIPMENT WITH STRUCTURAL BEAM SUPPORT UNDER GRATE FLOORING.

3 POTABLE STORAGE TANK DETAIL

Scale: No Scale

FULLY SPRINKLERED

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#	Revisions:	Date

CONSULTANTS:

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7/18/2025

PROJECT MANAGER

ACG Project Number 23-039

APOGEE Engineers | Architects

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: PLUMBING DETAILS

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Approved

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

Drawing Number: P-502

Dwg 48 of 56

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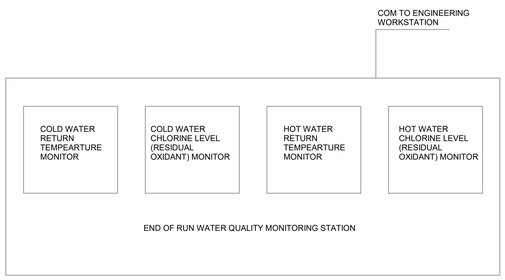


1. THIS SYSTEM MONITORS THE REMOTE BUILDING COLD (DCWR) AND HOT (DHWR) WATER RETURN FOR LEGIONELLA GUIDELINE COMPLIANCE.

2. MONITOR MAY BE A PACKAGED UNIT OR INDIVIDUAL TEMPERATURE AND OXIDANT SENSORS THAT INTEGRATE
WITH THE WATER QUALITY MONITORING SYSTEM.

3. IF REQUIRED, ADD HEAT EXCHANGER TO COOL THE HOT WATER TO A TEMPERATURE LOWER THAN NORMAL
OPERATING TEMPERATURE DUE TO LIMITATIONS ON THE MAKE AND MODEL OF MONITOR OR SENSORS USED.
USE DCW DISCHARGE FROM SENSORS TO COOL THE DWH OR DHWR.

3.1. MONITORING CONDITIONS:
3.1.1. OXIDANT RESIDUAL - COLD WATER RETURN.
3.1.2. WATER TEMPERATURE - COLD WATER RETURN.
3.1.3. OXIDANT RESIDUAL - HOT WATER RETURN.
3.1.4. WATER TEMPERATURE - HOT WATER RETURN.

4. ALARMS:
4.1. COLD AND HOT WATER RETURN REMOTE OXIDANT RESIDUAL: CHLORINE LEVEL FALLS BELOW 0.5 mg/L (ADJUSTABLE).
4.2. COLD WATER TEMPERATURE RISES ABOVE 67 DEGREES F. (ADJUSTABLE)
4.2. HOT CIRCULATION TEMPERATURE FALL BELOW 124 DEGREES F. (ADJUSTABLE).

POINT NAME:	HARDWARE POINTS				SOFTWARE POINTS						SHOW ON GRAPHICS
	AI	AO	BI	BO	AV	BV	LOOP	SCHED	TREND	ALARM	
DOMESTIC COLD WATER OXIDANT RESIDUAL	X								X	X	X
DOMESTIC COLD WATER TEMPERATURE	X								X	X	X
DOMESTIC HOT WATER OXIDANT RESIDUAL	X								X	X	X
DOMESTIC HOT WATER TEMPERATURE	X								X	X	X
TOTAL POINTS BY TYPE:	4								4	4	4
TOTAL HARDWARE (4)					TOTAL SOFTWARE (12)						

NOTE: PENTHOUSE WATER QUALITY MONITORING STATION ONLY MONITORS DCW OXIDANT RESIDUAL AND DCW TEMPERATURE.

4 END OF RUN WATER QUALITY MONITORING STATION

Scale: No Scale

CONTROLS SHALL BE DIRECT DIGITAL CONTROLS (DDC) AND BE CONNECTED TO THE EXISTING CAMPUS METASYS BUILDING AUTOMATION SYSTEM.

WATER TO WATER HEAT EXCHANGER SYSTEM: TYPICAL OF 2 HEAT EXCHANGER SYSTEMS CONSISTING OF A DOMESTIC CIRCULATING PUMP, HEAT EXCHANGER VALVE, AND CHILLED WATER CIRCULATING PUMP.

HEAT EXCHANGER SYSTEM RUN CONDITIONS:

THE LEAD HEAT EXCHANGER SYSTEM SHALL BE ENABLED TO RUN WHENEVER:
1. DOMESTIC WATER TEMPERATURE ENTERING THE DOMESTIC WATER CONDITIONING PLANT IS GREATER THAN 60°F.
2. DOMESTIC WATER TEMPERATURE IN STORAGE TANK IS GREATER THAN 62°F.

LAG HEAT EXCHANGER SYSTEM SHALL OPERATE IF ANY PART OF THE LEAD HEAT EXCHANGER SYSTEM FAILS TO
OPERATE (SEE ALARMS BELOW). LEAD AND LAG HEAT EXCHANGER SYSTEMS SHALL ALTERNATE MONTHLY (ADJ.).

HEAT EXCHANGER SYSTEM SHALL BE OFF WHENEVER:
1. DOMESTIC WATER TEMPERATURE LEAVING THE CONDITIONING PLANT IS LESS THAN 58°F.
2. DOMESTIC WATER TEMPERATURE IN STORAGE TANK IS LESS THAN 58°F.

HEAT EXCHANGER SYSTEM OPERATION:

THE LEAD SYSTEM DOMESTIC CIRCULATING PUMP AND LEAD HYDRONIC CHILLED WATER PUMP SHALL RUN AND HEAT EXCHANGER CONTROL LEAD VALVES V-1 AND V-5 SHALL OPEN ANYTIME THE HEAT EXCHANGER SYSTEM IS CALLED TO RUN AND SHALL HAVE A USER DEFINABLE DELAY (ADJ.) ON STOP. IF DOMESTIC TANK TEMPERATURE RISES 2 DEGREES ABOVE SETPOINT THE LAG HEAT EXCHANGER SYSTEM SHALL START, LAG VALVES V-2 AND V-6 SHALL OPEN. LEAD AND LAG PUMPS AND VALVES SHALL BE USER CHANGEABLE.

ALARMS SHALL BE PROVIDED AS FOLLOWS:

1. DOMESTIC CIRCULATING PUMP FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
2. DOMESTIC CIRCULATING PUMP RUNNING IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.
3.DOMESTIC CIRCULATING PUMP RUNTIME EXCEEDED: STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT.
4.HYDRONIC CHILLED WATER PUMP FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
5.HYDRONIC CHILLED WATER PUMP RUNNING IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.
6.HYDRONIC CHILLED WATER PUMP RUNTIME EXCEEDED: STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT.
7.HEAT EXCHANGER VALVE FAILURE. VALVE IS COMMANDED OPEN BUT THE VALVE IS CLOSED OR THE VALVE IS
COMMANDED CLOSED AND THE VALVE IS OPEN.

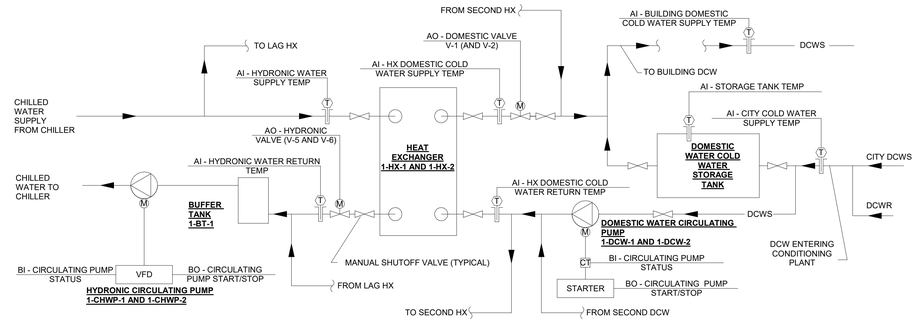
DOMESTIC COLD WATER SUPPLY TEMPERATURE SETPOINT:
THE DOMESTIC COLD WATER SUPPLY TEMPERATURE SETPOINT SHALL BE A FIXED SETPOINT OF 60°F (ADJ.).

HEAT EXCHANGER HYDRONIC WATER CONTROL:
THE CONTROLLER SHALL MEASURE THE HYDRONIC CHILLED WATER SUPPLY TEMPERATURE AND CYCLE THE HYDRONIC
VALVE TO MAINTAIN DOMESTIC WATER TEMPERATURE SETPOINT.

THE HYDRONIC VALVE SHALL BE ENABLED WHENEVER:
1. THE HEAT EXCHANGER SYSTEM IS CALLED TO RUN.
THE HYDRONIC CHILLED WATER VALVE SHALL CLOSE WHEN THE DOMESTIC TANK TEMPERATURE REACHES 2 DEGREES F BELOW SETPOINT.

ALARMS SHALL BE PROVIDED AS FOLLOWS:

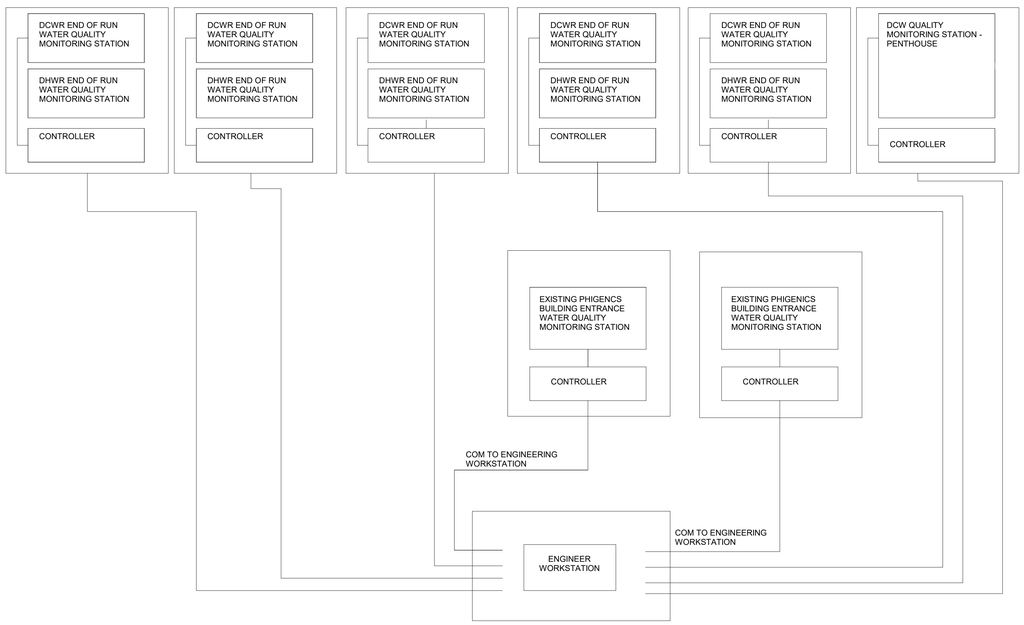
1. HIGH DOMESTIC COLD WATER SUPPLY TEMP: IF GREATER THAN 64°F (ADJ.).
2. LOW DOMESTIC COLD WATER SUPPLY TEMP: IF LESS THAN 54°F (ADJ.).



POINT NAME:	HARDWARE POINTS				SOFTWARE POINTS						SHOW ON GRAPHICS
	AI	AO	BI	BO	AV	BV	LOOP	SCHED	TREND	ALARM	
HX DOMESTIC COLD WATER SUPPLY TEMP	X								X		X
HX DOMESTIC COLD WATER RETURN TEMP	X								X		X
HYDRONIC VALVE		X									X
DOMESTIC VALVE		X									X
CIRCULATING PUMP STATUS			X								X
CIRCULATING PUMP START/STOP				X							X
DOMESTIC COLD WATER TEMP SETPOINT					X				X		X
CIRCULATING PUMP FAILURE										X	
CIRCULATING PUMP RUNNING IN HAND										X	
HIGH DOMESTIC COLD WATER SUPPLY TEMP										X	
LOW DOMESTIC COLD WATER SUPPLY TEMP										X	
HYDRONIC WATER SUPPLY TEMP	X								X		X
HYDRONIC WATER RETURN TEMP	X								X		X
STORAGE TANK TEMP	X								X		X
CITY COLD WATER SUPPLY TEMP	X								X		X
TOTAL POINTS BY TYPE:	6	2	1	1	1	0	0	0	7	4	11

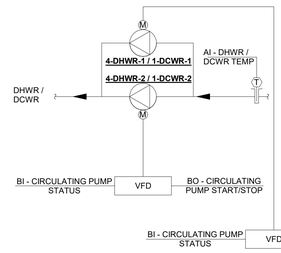
1 DOMESTIC COLD WATER HEAT EXCHANGER CONTROLS

Scale: No Scale



5 WATER QUALITY CONTROLS SCHEMATICS

Scale: No Scale



SEQUENCE OF OPERATION:

4-DHWR-1 AND 4-DHWR-2 (1-DCWR-1 AND 1-DCWR-2) ARE FULLY REDUNDANT. ONE PUMP SHALL OPERATE AT ALL TIMES. LEAD PUMP SELECTION SHALL BE BASED ON RUN TIME AND SHALL ALTERNATE WEEKLY. IF EITHER PUMP FAILS TO START, THE STANDBY PUMP SHALL BE ENERGIZED AND AN ALARM SHALL BE ANNUNCIATED.

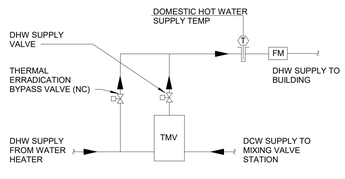
IF DHWR TEMPERATURE DROPS BELOW 124 DEGREES F FOR MORE THAN 5 MINUTES (ADJ.), AN ALARM SHALL BE ANNUNCIATED.

IF DCWR TEMPERATURE RISES ABOVE 67 DEGREES F FOR MORE THAN 5 MINUTES (ADJ.), AN ALARM SHALL BE ANNUNCIATED.

POINT NAME:	HARDWARE POINTS				SOFTWARE POINTS						SHOW ON GRAPHICS
	AI	AO	BI	BO	AV	BV	LOOP	SCHED	TREND	ALARM	
BUILDING DOMESTIC HOT WATER RETURN TEMPERATURE	X								X		X
BUILDING DOMESTIC COLD WATER RETURN TEMPERATURE	X								X		X
DHWR PUMP ONE START/STOP				X					X		X
DHWR PUMP TWO START/STOP				X					X		X
DHWR PUMP ONE STATUS			X								
DHWR PUMP TWO STATUS			X								
DHWR PUMP ONE FAILURE										X	X
DHWR PUMP TWO FAILURE										X	X
DHWR PUMP ONE RUNNING IN HAND										X	X
DHWR PUMP TWO RUNNING IN HAND										X	X
LOW DHWR TEMPERATURE										X	X
DCWR PUMP ONE START/STOP				X					X		X
DCWR PUMP TWO START/STOP				X					X		X
DCWR PUMP ONE STATUS			X								
DCWR PUMP TWO STATUS			X								
DCWR PUMP ONE FAILURE										X	X
DCWR PUMP TWO FAILURE										X	X
DCWR PUMP ONE RUNNING IN HAND										X	X
DCWR PUMP TWO RUNNING IN HAND										X	X
HIGH DCWR TEMPERATURE										X	X
TOTAL POINTS BY TYPE:	2		4	4					6	10	16
TOTAL HARDWARE (10)					TOTAL SOFTWARE (32)						

3 DHWR AND DCWR PUMPS CONTROLS

Scale: No Scale



SEQUENCE OF OPERATION:

DOMESTIC HOT WATER MIXING VALVE:
1. VALVE SHALL MODULATE TO MAINTAIN 130 DEG. F (ADJ.) BUILDING HOT WATER SUPPLY TEMPERATURE.

DOMESTIC HOT WATER SUPPLY AND BYPASS VALVES:
1. FOR NORMAL OPERATION, SUPPLY VALVE SHALL BE OPENED AND ERADICATION VALVE SHALL BE CLOSED.
2. FOR THERMAL ERADICATION OPERATION, SUPPLY VALVE SHALL CLOSE AND ERADICATION VALVE SHALL OPEN.

DOMESTIC HOT WATER BUILDING SUPPLY TEMPERATURE:
1. TEMPERATURE SENSOR SHALL REPORT TO THE BUILDING AUTOMATION SYSTEM.

ALARMS:
1. WATER TEMPERATURE BELOW 124 DEGREES F. (ADJUSTABLE).
2. WATER TEMPEARTURE ABOVE 145 DEG. F.

POINT NAME:	HARDWARE POINTS				SOFTWARE POINTS						SHOW ON GRAPHICS
	AI	AO	BI	BO	AV	BV	LOOP	SCHED	TREND	ALARM	
BUILDING DOMESTIC HOT WATER SUPPLY TEMPERATURE	X								X		X
HIGH DOMESTIC HOT WATER SUPPLY TEMPERATURE					X			X	X	X	X
LOW DOMESTIC HOT WATER SUPPLY TEMPERATURE					X			X	X	X	X
BUILDING DOMESTIC HOT WATER FLOW	X				X				X		X
SUPPLY VALVE				X					X		X
ERADICATION VALVE				X					X		X
TOTAL POINTS BY TYPE:	2	1		2	3			2	6	2	6
TOTAL HARDWARE (5)					TOTAL SOFTWARE (19)						

2 MASTER THERMOSTATIC MIXING VALVE CONTROLS

Scale: No Scale

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100% CONSTRUCTION DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

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7/18/2025

PROJECT MANAGER

ACG Project Number 23-039

APOGEE Engineers | Architects

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: PLUMBING CONTROLS

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Approved:

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

Drawing Number: P-503

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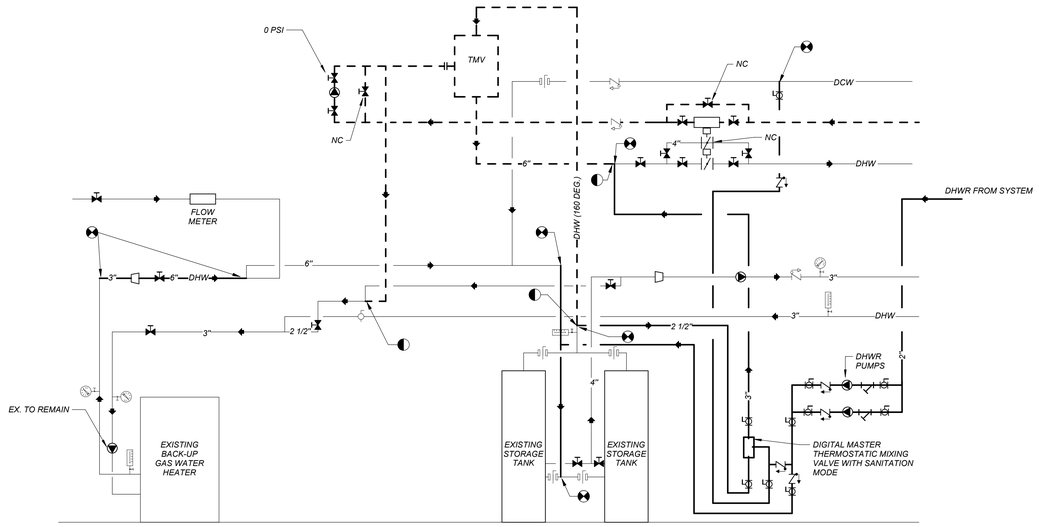
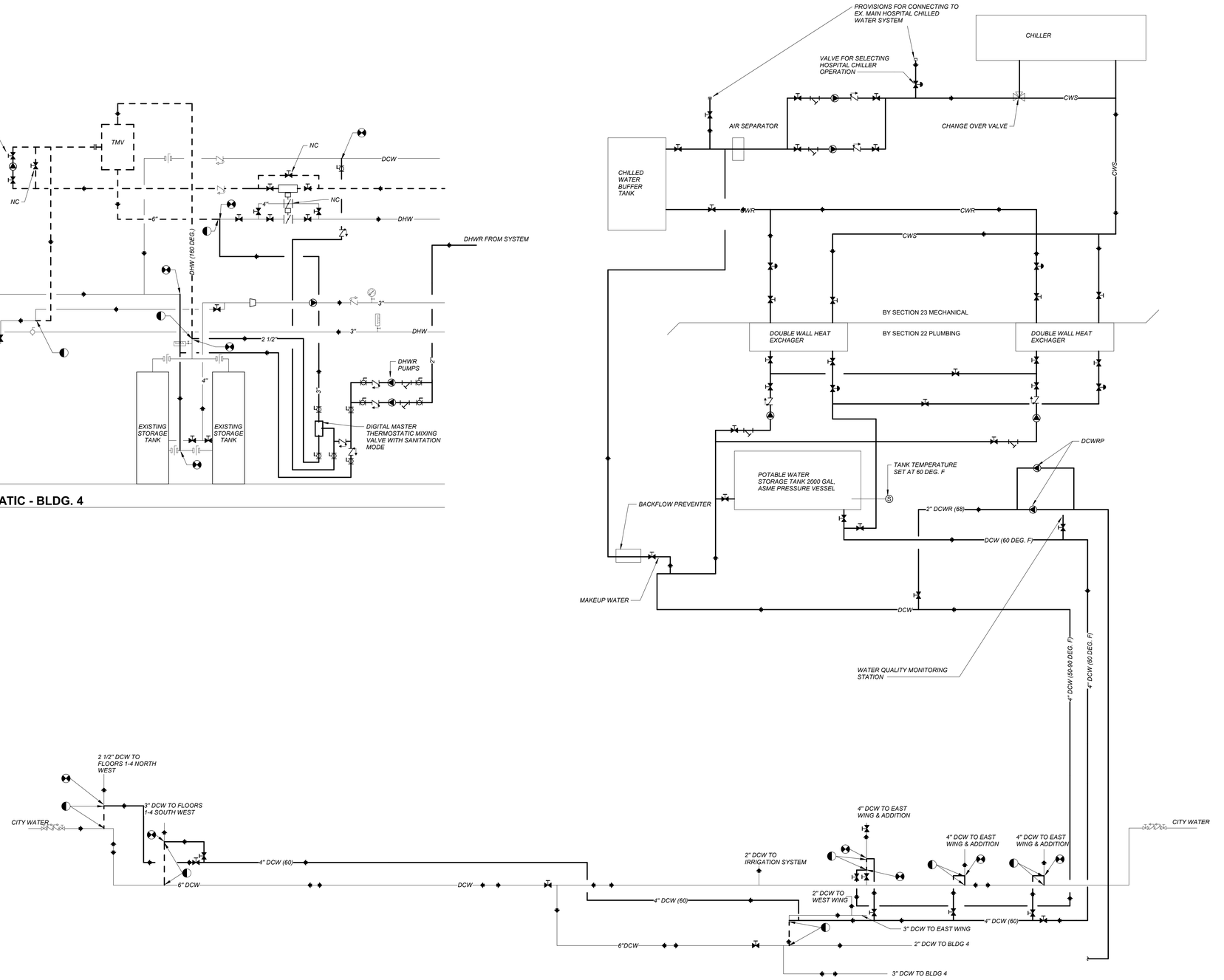


2 DOMESTIC HOT WATER SCHEMATIC - BLDG. 4

Scale: No Scale



1 DOMESTIC WATER BLDG. 1 SCHEMATIC

Scale: No Scale

FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

#	Revisions:	Date

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7/18/2025

PROJECT MANAGER

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: DOMESTIC WATER SCHEMATICS

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

Approved

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

VA PROJECT NUMBER 619-23-105

Building Number # 1

Drawing Number P-504

Dwg 50 of 56

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PLUMBING RECIRCULATION PUMP SCHEDULE

MARK	LOCATION	SYSTEM	TYPE	PERFORMANCE			R.P.M.	SPEED CONTROL	ELECTRICAL			REMARKS
				FLOW	HEAD FT	TEMPERATURE			HP	PHASE	VOLTAGE	
1-DCWR-1	BLDG. 1	DOMESTIC COLD WATER RETURN	WET ROTOR CIRCULATOR	50.0 GPM	45.0	180 °F	2657	VARIABLE	2	3	DUAL 208-230/400-460	1, 2, 4, 5
1-DCWR-2	BLDG. 1	DOMESTIC COLD WATER RETURN	WET ROTOR CIRCULATOR	50.0 GPM	45.0	180 °F	2657	VARIABLE	2	3	DUAL 208-230/400-460	1, 2, 4, 5
4-DHWR-1	BLDG.4, MECH ROOM ENGINEERING GE-122	DOMESTIC HOT WATER RETURN	WET ROTOR CIRCULATOR	60.0 GPM	45.0	180 °F	2698	VARIABLE	2	3	DUAL 208-230/400-460	1, 2, 4, 5
4-DHWR-2	BLDG.4, MECH ROOM ENGINEERING GE-122	DOMESTIC HOT WATER RETURN	WET ROTOR CIRCULATOR	60.0 GPM	45.0	180 °F	2698	VARIABLE	2	3	DUAL 208-230/400-460	1, 2, 4, 5
1-DCW-1	BLDG. 1	DOMESTIC COLD WATER	IN-LINE CENTRIFUGAL	36.0 GPM	35.0	140 °F	1750	VARIABLE	2	3	DUAL 208-230/400-460	1, 2, 3, 6
1-DCW-2	BLDG. 1	DOMESTIC COLD WATER	IN-LINE CENTRIFUGAL	36.0 GPM	35.0	140 °F	1750	VARIABLE	2	3	DUAL 208-230/400-460	1, 2, 3, 6

REMARKS:

1) INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
2) PUMP SUITABLE FOR DOMESTIC WATER APPLICATION.
3) PROVIDE WITH INTEGRATED VFD.
4) PROVIDE WITH ECM MOTOR.
5) BASIS OF DESIGN: BELL & GOSSETT ECOCIRC XL N 95-160.
6) BASIS OF DESIGN: BELL & GOSSETT E-90E.

MASTER THERMOSTATIC MIXING VALVE SCHEDULE

MARK	LOCATION	AREA AND/OR ROOM SERVED	FLOW	WPD (PSIG)	INLET PIPE SIZE	OUTLET PIPE SIZE	RETURN PIPE SIZE	VOLT	PHASE (TXT)	Hz	REMARKS
4-MTMV-1	BLDG.4, MECH ROOM ENGINEERING GE-122	BLDG. 1	135.0 GPM	10	2.5	3	2	115	1	60	1, 2

REMARKS:

1) INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
2) BASIS OF DESIGN: PVI DIGITEMP V135.

WATER QUALITY MONITORING STATIONS

MARK	LOCATION	VOLT	PHASE	REMARKS
1-WQMS-1	PENTHOUSE	110	1	1, 3
1-WQMS-2	4A-140 HAC	110	1	2, 3
1-WQMS-3	2D-104	110	1	2, 3
1-WQMS-4	4B-140 HAC	110	1	2, 3
1-WQMS-5	2A-140 HAC	110	1	2, 3
1-WQMS-6	3B-140 HAC	110	1	2, 3

REMARKS:

1) FLOOR MOUNTED WATER QUALITY MONITORING STATION. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
2) PANEL WALL MOUNTED WATER QUALITY MONITORING STATION. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
3) MONITORING STATION SHALL BE COMPATIBLE WITH EXISTING PHIGENCS WATER QUALITY MONITORING SYSTEM.

PLUMBING LIQUID TO LIQUID HEAT EXCHANGER SCHEDULE

MARK	LOCATION	AREA AND/OR ROOM SERVED	HOT SIDE				COLD SIDE				WEIGHT (LB)	REMARKS
			FLOW	INLET WATER TEMP	OUTLET WATER TEMP	WPD (PSI)	FLOW	INLET WATER TEMP	OUTLET WATER TEMP	WPD (PSI)		
1-HX-1	PENTHOUSE	BLDG. 1	36.0 GPM	90 °F	60 °F	10	85.0 GPM	50 °F	66 °F	10	570	1, 2
1-HX-2	PENTHOUSE	BLDG. 1	36.0 GPM	90 °F	60 °F	10	85.0 GPM	50 °F	66 °F	10	570	1, 2

REMARKS:

1) PLATES SHALL BE DOUBLE WALL SUITABLE FOR USE WITH DOMESTIC WATER.
2) BOD: BELL & GOSSETT GPX GASKETED PLATE HEAT EXCHANGER.

PLUMBING STORAGE TANK SCHEDULE

MARK	LOCATION	AREA AND/OR ROOM SERVED	MIN TEMP	MAX TEMP	MAX OPERATING PRESSURE	RELIEF VALVE	MIN VOLUME TANK	INLET PIPE SIZE	OUTLET PIPE SIZE	REMARKS
1-ST-1	PENTHOUSE	BLDG. 1	55 °F	90 °F	80 psig	100 psig	2000 gal	4' - 0"	4' - 0"	1, 2

REMARKS:

1) TANK SHALL BE ASME RATED AND FULLY INSULATED.
2) INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

PLUMBING BACKFLOW PREVENTER SCHEDULE

MARK	LOCATION	AREA AND/OR ROOM SERVED	SYSTEM	TYPE	SIZE
1-BFP-1	PENTHOUSE	MAKE UP WATER	DOMESTIC COLD WATER	REDUCED PRESSURE PRINCIPLE	3/4"

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	QUANTITY	WASTE PIPE	VENT PIPE	COLD WATER	HOT WATER	WRIST BLADE HANDLES	ELECTRIC SENSOR	REMARKS
P-711	EMERGENCY EYEWASH/DRENCH HOSE UNIT, WALL MOUNTED	1	-	-	3/4"	-	-	-	EMERGENCY EYEWASH/DRENCH HOSE UNIT, WALL MOUNTED TO EXPOSED TEPID WATER SUPPLY
P-804	HOSE BIBB	1	-	-	1/2"	-	-	-	HOSE BIBB
RD-1	4" PRIMARY ROOF DRAIN	2	-	-	-	-	-	-	PRIMARY ROOF DRAIN

PLUMBING ELECTRIC WATER HEATER SCHEDULE

MARK	LOCATION	AREA AND/OR ROOM SERVED	INLET WATER TEMP	OUTLET WATER TEMP	MINIMUM FLOW (GPM)	ELECTRICAL			REMARKS
						POWER KW	VOLTAGE	PHASE	
1-EWH-1	PENTHOUSE	EMERGENCY EYE AND FACE WASH	40 °F	80 °F	3	18	480	3	1, 2, 3, 4, 5

REMARKS:

1) INSTANTANEOUS ELECTRIC WATER HEATER SHALL BE SUITABLE FOR USE WITH EMERGENCY FIXTURES (ASSE 1085 COMPLIANT).
2) PROVIDE WITH NEMA 4X ENCLOSURE.
3) PROVIDE WITH CONTROLLER LOCKED TEMPERATURE SETTING. OUTPUT TEMPERATURE SHALL BE FIXED AT 80 DEG. F.
4) UNIT SHALL BE FLOOR MOUNTED.
5) BOD: BRADLEY CLE-SERIES EYE WASH HEATER.

DEAD LEG SCHEDULE

TAG #	FLOOR	AREA	SYSTEM	LENGTH	SIZE AT MAIN
4-1	FOURTH FLOOR	AREA A	DCW	10' - 6"	3/4"
4-2	FOURTH FLOOR	AREA A	DHW	10' - 6"	3/4"
4-3	FOURTH FLOOR	AREA A	DCW	1' - 4"	3/4"
4-4	FOURTH FLOOR	AREA A	DHW	1' - 2"	3/4"
4-5	FOURTH FLOOR	AREA A	DCW	1' - 0"	1"
4-6	FOURTH FLOOR	AREA A	DHW	1' - 0"	3/4"
4-7	FOURTH FLOOR	AREA A	DHW	2' - 0"	3/4"
4-8	FOURTH FLOOR	AREA A	DHW	11' - 0"	3/4"
4-9	FOURTH FLOOR	AREA A	DCW	10' - 5"	3/4"
4-10	FOURTH FLOOR	AREA A	DCW	1' - 0"	1 1/2"
4-11	FOURTH FLOOR	AREA A	DCW	1' - 0"	1 1/2"
4-12	FOURTH FLOOR	AREA A	DHW	11' - 5"	1"
4-13	FOURTH FLOOR	AREA B	DCW	11' - 5"	3/4"
4-14	FOURTH FLOOR	AREA B	DHW	1' - 0"	3/4"
4-15	FOURTH FLOOR	AREA B	DCW	1' - 0"	3/4"
4-16	FOURTH FLOOR	AREA B	DCW	1' - 0"	3/4"
4-17	FOURTH FLOOR	AREA B	DCW	1' - 0"	3/4"
4-18	FOURTH FLOOR	AREA B	DHW	1' - 0"	3/4"
4-19	FOURTH FLOOR	AREA B	DCW	31' - 0"	1 1/2"
4-20	FOURTH FLOOR	AREA B	DHW	20' - 8"	1"
4-21	FOURTH FLOOR	AREA A	DCW	19' - 6"	1 1/2"
4-22	FOURTH FLOOR	AREA A	DHWR	1' - 0"	3/4"
4-23	FOURTH FLOOR	AREA A	DHW	19' - 6"	1"
4-24	FOURTH FLOOR	AREA A	DCW	11' - 0"	3/4"
4-25	FOURTH FLOOR	AREA A	DHW	11' - 0"	3/4"

DEAD LEG SCHEDULE

TAG #	FLOOR	AREA	SYSTEM	LENGTH	SIZE AT MAIN
0-8	GROUND FLOOR	AREA B & C	DHW	4' - 8"	1"
0-9	GROUND FLOOR	AREA B & C	DCW	27' - 10"	1/2"
0-10	GROUND FLOOR	AREA B & C	DCW	2' - 10"	3/4"
0-11	GROUND FLOOR	AREA B & C	DHW	1' - 0"	3/4"
0-12	GROUND FLOOR	AREA B & C	DCW	4' - 0"	1"
0-13	GROUND FLOOR	AREA B & C	DHW	24' - 3"	3/4"
0-14	GROUND FLOOR	AREA B & C	DHW	2' - 11"	3/4"
0-15	GROUND FLOOR	AREA B & C	DCW	20' - 8"	3/4"
0-16	GROUND FLOOR	AREA D	DCW	1' - 0"	3/4"
0-17	GROUND FLOOR	AREA D	DCW	1' - 0"	3/4"
0-18	GROUND FLOOR	AREA D	DHW	7' - 5"	3/4"
0-19	GROUND FLOOR	AREA D	DCW	3' - 8"	3/4"
0-20	GROUND FLOOR	AREA D	DCW	2' - 5"	1"
0-21	GROUND FLOOR	AREA D	DCW	3' - 5"	1 1/4"
0-23	GROUND FLOOR	AREA A	DCW	4' - 0"	1 1/2"
0-24	GROUND FLOOR	AREA A	DHW	4' - 0"	1 1/2"
0-22	FIRST FLOOR	AREA A	DCW	9' - 0"	2"
1-1	FIRST FLOOR	AREA A	DCW	0' - 9"	1"
1-2	FIRST FLOOR	AREA A	DCW	5' - 0"	1/2"
1-3	FIRST FLOOR	AREA A	DHW	1' - 7"	1/2"
1-4	FIRST FLOOR	AREA A	DCW	4' - 0"	3/4"
1-5	FIRST FLOOR	AREA A	DCW	3' - 0"	2"
1-6	FIRST FLOOR	AREA B & C	DCW	4' - 0"	3/4"
1-7	FIRST FLOOR	AREA B & C	DHW	3' - 7"	1/2"
1-8	FIRST FLOOR	AREA B & C	DCW	3' - 6"	1/2"
1-9	FIRST FLOOR	AREA B & C	DHW	4' - 0"	3/4"
1-10	FIRST FLOOR	AREA B & C	DCW	9' - 10"	3/4"
1-11	FIRST FLOOR	AREA B & C	DHW	10' - 11"	3/4"
1-12	FIRST FLOOR	AREA B & C	DCW	5' - 4"	1 1/2"
1-13	FIRST FLOOR	AREA B & C	DHW	9' - 6"	1"
1-14	FIRST FLOOR	AREA B & C	DHW	37' - 7"	1/2"
1-15	FIRST FLOOR	AREA B & C	DCW	32' - 2"	1/2"
1-16	FIRST FLOOR	AREA B & C	DHW	3' - 7"	1"
1-17	FIRST FLOOR	AREA B & C	DCW	2' - 7"	1"
1-18	FIRST FLOOR	AREA B & C	DHW	3' - 7"	1"
1-19	FIRST FLOOR	AREA B & C	DCW	2' - 4"	1/2"
1-20	FIRST FLOOR	AREA B & C	DHW	1' - 4"	1/2"
1-21	FIRST FLOOR	AREA B & C	DCW	0' - 9"	1"
1-22	FIRST FLOOR	AREA B & C	DCW	7' - 0"	2"
1-23	FIRST FLOOR	AREA B & C	DHW	7' - 0"	1 1/4"
1-24	FIRST FLOOR	AREA B & C	DHW	7' - 0"	1 1/4"
1-25	FIRST FLOOR	AREA B & C	DHWR	8' - 0"	3/4"
1-26	FIRST FLOOR	AREA B & C	DCW	7' - 0"	2"
1-27	FIRST FLOOR	AREA D	DCW	15' - 2"	1"
1-28	FIRST FLOOR	AREA D	DHW	0' - 0"	1"
1-29	FIRST FLOOR	AREA D	DHW	3' - 4"	1"
1-30	FIRST FLOOR	AREA D	DCW	4' - 3"	3/4"
1-31	FIRST FLOOR	AREA D	DHW	3' - 4"	3/4"
1-32	FIRST FLOOR	AREA D	DCW	4' - 3"	3/4"
1-33	FIRST FLOOR	AREA D	DHW	3' - 10"	3/4"
1-34	FIRST FLOOR	AREA D	DHW	3' - 0"	1"
1-35	FIRST FLOOR	AREA D	DCW	7' - 5"	3/4"
1-36	FIRST FLOOR	AREA D	DCW	4' - 8"	3/4"
1-37	FIRST FLOOR	AREA D	DHW	1' - 3"	3/4"
1-38	FIRST FLOOR	AREA D	DCW	18' - 9"	3/4"
1-39	FIRST FLOOR	AREA D	DCW	11' - 10"	3/4"
1-40	FIRST FLOOR	AREA A	DHW	3' - 0"	1"
1-41	FIRST FLOOR	AREA B & C	DHW	0' - 10"	3/4"
2-1	SECOND FLOOR	AREA A	DHW	18' - 0"	3/4"
2-2	SECOND FLOOR	AREA A	DCW	14' - 9"	3/4"
2-3	SECOND FLOOR	AREA A	DCW	13' - 0"	3/4"
2-4	SECOND FLOOR	AREA A	DHW	14' - 0"	3/4"
2-5	SECOND FLOOR	AREA A	DCW	12' - 0"	1"
2-6	SECOND FLOOR	AREA A	DCW	3' - 10"	1 1/2"
2-7	SECOND FLOOR	AREA A	DHW	4' - 9"	3/4"
2-8	SECOND FLOOR	AREA A	DHW	8' - 2"	3/4"
2-9	SECOND FLOOR	AREA A	DCW	9' - 5"	3/4"
2-10	SECOND FLOOR	AREA B & C	DHW	11' - 0"	1/2"
2-11	SECOND FLOOR	AREA B & C	DCW	0' - 9"	1 1/4"
2-12	SECOND FLOOR	AREA B & C	DCW	0' - 0"	1/2"
2-13	SECOND FLOOR	AREA B & C	DHW	0' - 0"	1/2"
2-14	SECOND FLOOR	AREA B & C	DCW	2' - 9"	1"
2-15	SECOND FLOOR	AREA B & C	DHW	2' - 9"	3/4"
2-16	SECOND FLOOR	AREA B & C	DHW	2' - 0"	3/4"
2-17	SECOND FLOOR	AREA B & C	DCW	2' - 0"	3/4"
2-18	SECOND FLOOR	AREA B & C	DCW	3' - 9"	1/2"
2-20	SECOND FLOOR	AREA B & C	DCW	8' - 11"	3/4"
2-21	SECOND FLOOR	AREA B & C	DHW	4' - 8"	3/4"
2-22	SECOND FLOOR	AREA B & C	DHW	7' - 10"	3/4"
2-23	SECOND FLOOR	AREA B & C	DHW	3' - 7"	1/2"
2-24	SECOND FLOOR	AREA B & C	DCW	2' - 6"	1/2"
2-25	SECOND FLOOR	AREA D	DCW	21' - 0"	3/4"
2-26	SECOND FLOOR	AREA D	DHW	21' - 0"	3/4"
2-27	SECOND FLOOR	AREA B & C	DHW	1' - 0"	1/2"
2-29	SECOND FLOOR	AREA B & C	DHW	3' - 3"	1"
2-30	SECOND FLOOR	AREA B & C	DCW	3' - 3"	3/4"
2-31	SECOND FLOOR	AREA B & C	DCW	1' - 4"	1/2"
2-32	SECOND FLOOR	AREA B & C	DCW	2' - 6"	3/4"
2-33	SECOND FLOOR	AREA A	DHW	7' - 9"	3/4"
2-33	SECOND FLOOR	AREA D	DCW	5' - 0"	3/4"
2-34	SECOND FLOOR	AREA A	DHW	2' - 6"	3/4"
2-35	SECOND FLOOR	AREA A	DCW	11' - 6"	3/4"
2-36	SECOND FLOOR	AREA B	DHWR	17' - 9"	3/4"
2-37	SECOND FLOOR	AREA B & C	DHWR	15' - 0"	3/4"
2-38	SECOND FLOOR	AREA B	DHW	4' - 0"	3/4"
2-39	SECOND FLOOR	AREA B & C	DCW	9' - 6"	1"
2-40	SECOND FLOOR	AREA A	DHW	4' - 0"	1 1/4"
2-41	SECOND FLOOR	AREA B	DCW	4' - 0"	1"
3-1	THIRD FLOOR -2	AREA A	DHW	12' - 0"	3/4"
3-2	THIRD FLOOR -2	AREA A	DCW	13' - 6"	3/4"
3-3	THIRD FLOOR -2	AREA A	DHW	1' - 0"	3/4"
3-4	THIRD FLOOR -2	AREA A	DCW	1' - 0"	1"
3-5	THIRD FLOOR -2	AREA A	DCW	1' - 0"	1"
3-6	THIRD FLOOR -2	AREA A	DCW	4' - 8"	1"
3-7	THIRD FLOOR -2	AREA A	DHWR	10' - 0"	3/4"
3-8	THIRD FLOOR -2	AREA B & C	DHWR	1' - 0"	3/4"
3-9	THIRD FLOOR -2	AREA B & C	DHWR	1' - 0"	3/4"
3-10	THIRD FLOOR -2	AREA B & C	DHW	1' - 0"	3/4"
3-11	THIRD FLOOR -2	AREA B & C	DHW	1' - 0"	3/4"
3-12	THIRD FLOOR -2	AREA B & C	DHWR	4' - 0"	3/4"
3-13	THIRD FLOOR -2	AREA B & C	DCW	1' - 7"	2"
3-14	THIRD FLOOR -2	AREA B & C	DCW	3' - 0"	3/4"
3-15	THIRD FLOOR -2	AREA B & C	DHW	1' - 9"	1"
3-16	THIRD FLOOR -2	AREA B & C	DCW	1' - 9"	1/2"
3-17	THIRD FLOOR -2	AREA B & C	DHW	2' - 2"	3/4"
3-18	THIRD FLOOR -2	AREA B & C	DHW	2' - 10"	1"
3-19	THIRD FLOOR -2	AREA B & C	DCW	1' - 10"	1 1/4"
3-20	THIRD FLOOR -2	AREA B & C	DCW	19' - 9"	3/4"
3-21	THIRD FLOOR -2	AREA B & C	DHW	19' - 9"	3/4"
3-22	THIRD FLOOR -2	AREA B & C	DHW	1' - 3"	2"
3-23	THIRD FLOOR -2	AREA B & C	DHW	1' - 4"	3/4"
3-24	THIRD FLOOR -2	AREA B & C	DCW	1' - 4"	3/4"
3-25	THIRD FLOOR -2	AREA A	DHW	9' - 11"	3/4"
3-26	THIRD FLOOR -2	AREA A	DCW	11' - 7"	3/4"
3-27	THIRD FLOOR -2	AREA B & C	DHW	11' - 10"	1/2"
3-28	THIRD FLOOR -2	AREA B & C	DCW	11' - 10"	3/4"

DEAD LEG SCHEDULE

TAG #	FLOOR	AREA	SYSTEM	LENGTH	SIZE AT MAIN
00-1	CRAWL SPACE	AREA A	DHW	12' - 0"	3/4"
00-2	CRAWL SPACE	AREA A	DCW	10' - 3"	1/2"
00-3	CRAWL SPACE	AREA A	DHW	1' - 2"	1/2"
00-4	CRAWL SPACE	AREA A	DHW	8' - 9"	1/2"
00-5	CRAWL SPACE	AREA A	DHW	1' - 2"	1"
00-6	CRAWL SPACE	AREA A	DHW	28' - 6"	1/2"
00-7	CRAWL SPACE	AREA A	DCW	14' - 7"	1/2"
00-8	CRAWL SPACE	AREA A	DHW	15' - 6"	3/4"
00-9	CRAWL SPACE	AREA A	DCW	14' - 2"	1 1/4"
00-10	CRAWL SPACE	AREA A	DHW	1' - 0"	3/4"
00-11	CRAWL SPACE	AREA A	DCW	2' - 4"	1 1/4"
00-12	CRAWL SPACE	AREA A	DCW	4' - 0"	3/4"
00-13	CRAWL SPACE	AREA A	DCW	0' - 11"	3/4"
00-14	CRAWL SPACE	AREA A	DHW	8' - 1"	1 1/2"
00-15	CRAWL SPACE	AREA A	DCW	4' - 1"	2"
00-16	CRAWL SPACE	AREA A	DHW	3' - 7"	1"
00-17	CRAWL SPACE	AREA A	DHW	3' - 0"	1"
00-18	CRAWL SPACE	AREA A	DCW	19' - 5"	3/4"
00-19	CRAWL SPACE	AREA A	DHW	10' - 1"	3/4"
00-20	CRAWL SPACE	AREA A	DCW	13' - 11"	3/4"
00-21	CRAWL SPACE	AREA A	DHW	11' - 2"	1 1/2"
00-22	CRAWL SPACE	AREA A	DCW	6' - 10"	1 1/2"
00-23	CRAWL SPACE	AREA A	DCW	17' - 9"	1 1/2"
00-24	CRAWL SPACE	AREA A	DCW	8' - 4"	1 1/2"
00-25	CRAWL SPACE	AREA A	DCW	6' - 3"	1 1/2"
00-26	CRAWL SPACE	AREA A	DCW	4' - 6"	3/4"
00-27	CRAWL SPACE	AREA A	DHW	5' - 6"	3/4"
00-28	CRAWL SPACE	AREA A	DHW	18' - 4"	3/4"
00-29	CRAWL SPACE	AREA A	DCW	19' - 6"	3/4"
00-30	CRAWL SPACE	AREA A	DHW	24' - 0"	1 1/4"
00-31	CRAWL SPACE	AREA A	DCW	19' - 2"	1 1/4"
00-32	CRAWL SPACE	AREA A	DCW	17' - 6"	3/4"
00-33	CRAWL SPACE	AREA A	DCW	5' - 6"	2"
00-34	CRAWL SPACE	AREA A	DHW	29' - 5"	3/4"
00-35	CRAWL SPACE	AREA A	DCW	1' - 0"	3/4"
00-36	CRAWL SPACE	AREA A	DCW	1' - 0"	3/4"
00-37	CRAWL SPACE	AREA A	DCW	13' - 3"	3/4"
00-38	CRAWL SPACE	AREA A	DCW	1' - 0"	3/4"
00-39	CRAWL SPACE	AREA A	DCW	1' - 0"	2"
00-40	CRAWL SPACE	AREA A	DHW	11' - 4"	1"
00-41	CRAWL SPACE	AREA A	DHW	5' - 4"	1"
00-42	CRAWL SPACE	AREA A	DCW	5' - 10"	1 1/2"
00-43	CRAWL SPACE	AREA A	DCW	1' - 0"	1/2"
00-44	CRAWL SPACE	AREA A	DCW	1' - 0"	3/4"
00-45	CRAWL SPACE	AREA A	DHW	1' - 6"	3/4"
00-47	CRAWL SPACE	AREA A	DHW	1' - 0"	3/4"
00-48	CRAWL SPACE	AREA A	DCW	1' - 0"	3/4"
00-49	CRAWL SPACE	AREA A	DHW	13' - 9"	3/4"
00-50	CRAWL SPACE	AREA A	DCW	8' - 4"	1 1/4"
00-51	CRAWL SPACE	AREA A	DHW	20' - 11"	1 1/2"
00-52	CRAWL SPACE	AREA A	DHW	9' - 4"	3/4"
00-53	CRAWL SPACE	AREA A	DHW	0' - 0"	3/4"
00-54	CRAWL SPACE	AREA A	DHW	15' - 1"	3/4"
00-55	CRAWL SPACE	AREA A	DCW	0' - 0"	1 1/2"
00-56	CRAWL SPACE	AREA A	DHWR	1' - 6"	1 1/4"
00-57	CRAWL SPACE	AREA A	DCW	35' - 1"	1 1/2"
00-58	CRAWL SPACE	AREA A	DCW	3' - 0"	1 1/2"
00-59	CRAWL SPACE	AREA A	DCW	4' - 7"	1 1/2"
00-60	CRAWL SPACE	AREA A	DHWR	34' - 0"	1 1/4"
00-61	CRAWL SPACE	AREA A	DHWR	6' - 5"	1 1/4"
00-62	CRAWL SPACE	AREA A	DHW	1' - 3"	3/4"
00-63	CRAWL SPACE	AREA A	DCW	1' - 1"	3/4"
00-64	CRAWL SPACE	AREA A	DCW	18' - 5"	3/4"
00-65	CRAWL SPACE	AREA B & C	DCW	5' - 4"	3/4"
00-66	CRAWL SPACE	AREA B & C	DCW	16' - 2"	3/4"
00-67	CRAWL SPACE	AREA B & C	DHW	3' - 0"	3/4"
00-68	CRAWL SPACE	AREA B & C	DCW	23' - 0"	3/4"
00-69	CRAWL SPACE	AREA B & C	DHW	4' - 10"	1"
00-70	CRAWL SPACE	AREA B & C	DCW	1' - 4"	1 1/4"
00-71	CRAWL SPACE	AREA B & C	DHW	4' - 2"	3/4"
00-72	CRAWL SPACE	AREA B & C	DCW	14' - 3"	3/4"
00-73	CRAWL SPACE	AREA B & C	DCW	2' - 2"	1/2"
00-74	CRAWL SPACE	AREA B & C	DCW	8' - 6"	1 1/4"
00-75	CRAWL SPACE	AREA B & C	DCW	11' - 4"	1/2"
00-76	CRAWL SPACE	AREA B & C	DHW	4' - 5"	3/4"
00-77	CRAWL SPACE	AREA B & C	DHW	3' - 7"	3/4"
00-78	CRAWL SPACE	AREA B & C	DCW	3' - 6"	3/4"
00-79	CRAWL SPACE	AREA B & C	DCW	18' - 8"	3/4"
00-80	CRAWL SPACE	AREA B & C	DCW	4' - 6"	3/4"
00-81	CRAWL SPACE	AREA B & C	DHW	5' - 0"	3/4"
00-82	CRAWL SPACE	AREA B & C	DCW	1' - 0"	1"
00-83	CRAWL SPACE	AREA B & C	DHW	53' - 5"	3/4"
00-84	CRAWL SPACE	AREA B & C	DCW	19' - 1"	3/4"
00-85	CRAWL SPACE	AREA B & C	DCW	8' - 4"	3/4"
00-86	CRAWL SPACE	AREA B & C	DCW	1' - 0"	3/4"
00-87	CRAWL SPACE	AREA B & C	DCW	3' - 0"	3/4"
00-88	CRAWL SPACE	AREA B & C	DCW	3' - 2"	2"
00-89	CRAWL SPACE	AREA B & C	DCW	3' - 2"	2"
00-90	CRAWL SPACE	AREA B & C	DHWR	57' - 6"	3/4"
00-91	CRAWL SPACE	AREA B & C	DHW	12' - 2"	3/4"
00-92	CRAWL SPACE	AREA B & C	DCW	8' - 1"	3/4"
00-93	CRAWL SPACE	AREA B & C	DCW	6' - 5"	3/4"
00-94	CRAWL SPACE	AREA B & C	DCW	1' - 0"	3/4"
00-95	CRAWL SPACE	AREA B & C	DHW	1' - 0"	3/4"
00-96	CRAWL SPACE	AREA B & C	DCW	7' - 11"	3/4"
00-97	CRAWL SPACE	AREA B & C	DHW	6' - 5"	3/4"
00-98	CRAWL SPACE	AREA B & C	DCW	2' - 11"	3/4"
00-99	CRAWL SPACE	AREA B & C	DCW	2' - 11"	3/4"
00-100	CRAWL SPACE	AREA B & C	DCW	4' - 3"	3/4"
00-101	CRAWL SPACE	AREA B & C	DHW	1' - 4"	1 1/4"
00-102	CRAWL SPACE	AREA B & C	DCW	14' - 6"	3/4"
00-103	CRAWL SPACE	AREA B & C	DCW	1' - 9"	1 1/2"
00-105	CRAWL SPACE	AREA B & C	DHW	18' - 6"	1/2"
00-106	CRAWL SPACE	AREA B & C	DHW	1' - 0"	1/2"
00-107	CRAWL SPACE	AREA B & C	DCW	3' - 2"	1/2"
00-108	CRAWL SPACE	AREA B & C	DCW	3' - 6"	1/2"
00-109	CRAWL SPACE	AREA B & C	DCW	1' - 0"	2"
00-110	CRAWL SPACE	AREA B & C	DHW	4' - 1"	1 1/4"
00-111	CRAWL SPACE	AREA B & C	DCW	4' - 4"	2"
00-112	CRAWL SPACE	AREA B & C	DHWR	1' - 5"	1"
00-114	CRAWL SPACE	AREA B & C	DHW	7' - 2"	3/4"
00-115	CRAWL SPACE	AREA B & C	DHW	18' - 7"	1/2"
00-116	CRAWL SPACE	AREA B & C	DCW	17' - 5"	1/2"
00-118	CRAWL SPACE	AREA B & C	DHW	10' - 5"	3/4"
00-119	CRAWL SPACE	AREA B & C	DHWR	1' - 3"	1 1/4"
00-120	CRAWL SPACE	AREA B & C	DCW	2' - 6"	3/4"
00-121	CRAWL SPACE	AREA B & C	DCW	9' - 0"	1"
00-122	CRAWL SPACE	AREA B & C	DCW	1' - 6"	3/4"
00-123	CRAWL SPACE	AREA B & C	DHWR	43' - 8"	3/4"
00-124	CRAWL SPACE	AREA A	DHW	3' - 0"	3/4"
0-1	GROUND FLOOR	AREA A	DCW	3' - 5"	1/2"
0-2	GROUND FLOOR	AREA A	DHW	7' - 0"	1"
0-3	GROUND FLOOR	AREA A	DHW	9' - 3"	3/4"
0-4	GROUND FLOOR	AREA A	DCW	9' - 3"	3/4"
0-5	GROUND FLOOR	AREA B & C	DCW	4' - 0"	2 1/2"
0-6	GROUND FLOOR	AREA B & C	DHW	2' - 11"	1"
0-7	GROUND FLOOR	AREA B & C	DCW	3' - 3"	1"

FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

#	Revisions:	Date

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POINT-OF-USE THERMOSTATIC MIXING VALVE SCHEDULE

ROOM NUMBER	TYPE OF FIXTURE	HAS MIXING VALVE	NEEDS MIXING VALVE	TAMPER PROOF REQUIRED	MIN FIXTURE CONNECTION	REMARKS
4B-122 PRIMARY CARE ULTRA SOUND RM	SINK / LAVATORY	No	Yes	No	1/2"	
4B-122A PRIMARY CARE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
4B-122A PRIMARY CARE TLT	BATHTUB	No	Yes	No	1/2"	
4B-123 PRIMARY CARE ULTRA SOUND RM	SINK / LAVATORY	No	Yes	No	1/2"	
4B-124 PRIMARY CARE EXAM RM	SINK / LAVATORY	No	Yes	No	1/2"	
4B-124A PRIMARY CARE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
4B-124A PRIMARY CARE TLT	SHOWER	No	Yes	No	1/2"	
4B-125 PRIMARY CARE EXAM RM	SINK / LAVATORY	No	Yes	No	1/2"	
4B-126 PRIMARY CARE EXAM RM	SINK / LAVATORY	No	Yes	No	1/2"	
4B-126A PRIMARY CARE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
4B-126A PRIMARY CARE TLT	SHOWER	No	Yes	No	1/2"	
4B-128 PRIMARY CARE EXAM RM	SINK / LAVATORY	No	Yes	No	1/2"	
4B-128A PRIMARY CARE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
4B-128A PRIMARY CARE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
4B-130 PRIMARY CARE EXAM RM	SINK / LAVATORY	No	Yes	No	1/2"	
4B-131 PRIMARY CARE PHY / EXAM RM	SINK / LAVATORY	No	Yes	No	1/2"	
4B-131A PRIMARY CARE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
4B-131A PRIMARY CARE TLT	SHOWER	No	Yes	No	1/2"	
4B-132 PRIMARY CARE WAIT	SINK / LAVATORY	No	Yes	No	1/2"	
4B-132A PRIMARY CARE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
4B-132A PRIMARY CARE TLT	SHOWER	No	Yes	No	1/2"	
4B-133 PRIMARY CARE WAIT RM	SINK / LAVATORY	No	Yes	No	1/2"	
4B-133 PRIMARY CARE WAIT RM	SINK / LAVATORY	No	Yes	No	1/2"	
4B-134 PRIMARY CARE CPAP	SINK / LAVATORY	No	Yes	No	1/2"	
4B-134 PRIMARY CARE CPAP	SINK / LAVATORY	No	Yes	No	1/2"	
4B-135 PRIMARY CARE CPAP	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
4B-136 VACANT SPACE STAFF TLT	SINK / LAVATORY	No	Yes	No	1/2"	
4B-137 PRIMARY CARE MALE / FEMALE STAFF TLT	SINK / LAVATORY	No	Yes	No	1/2"	
4B-138 PRIMARY CARE EXAM RM	SINK / LAVATORY	No	Yes	No	1/2"	
4B-139 PRIMARY CARE BRK RM	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
5A-101A HUMAN RESRC SVC HR TLT	SINK / LAVATORY	No	Yes	No	1/2"	
5A-102 HUMAN RESRC SVC HR TLT	SINK / LAVATORY	No	Yes	No	1/2"	
5A-110 HUMAN RESRC SVC HR TLT	SINK / LAVATORY	No	Yes	No	1/2"	
Yes: 390						

POINT-OF-USE THERMOSTATIC MIXING VALVE SCHEDULE

ROOM NUMBER	TYPE OF FIXTURE	HAS MIXING VALVE	NEEDS MIXING VALVE	TAMPER PROOF REQUIRED	MIN FIXTURE CONNECTION	REMARKS
3B-103 SPEC CARE MALE / FEMALE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
3B-104 SPEC CARE EXAM RM	SINK / LAVATORY	No	Yes	No	1/2"	
3B-105 SPEC CARE PHY OFF	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
3B-105A SPEC CARE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
3B-105A SPEC CARE TLT	SHOWER	No	Yes	No	1/2"	
3B-108 SPEC CARE ASST CHIEF PROTECTIVE SVC	SINK / LAVATORY	No	Yes	No	1/2"	
3B-109 SPEC CARE SOILED UTIL	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
3B-113 SPEC CARE NOUR KITCHEN	SINK / LAVATORY	No	Yes	No	1/2"	
3B-114 SPEC CARE MALE / FEMALE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
3B-115 SPEC CARE	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
3B-115C SPEC CARE TLT	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
3B-115C SPEC CARE TLT	SHOWER	No	Yes	No	1/2"	
3B-116 SPEC CARE TRIAGE	SINK / LAVATORY	No	Yes	No	1/2"	
3B-118 SPEC CARE EXAM RM	SINK / LAVATORY	No	Yes	No	1/2"	
3B-119 BEDS MICU CPAP CLINIC	SINK / LAVATORY	No	Yes	No	1/2"	
3B-120 SURGICAL NRSS	SINK / LAVATORY	No	Yes	No	1/2"	
3B-120A SPEC CARE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
3B-120A SPEC CARE TLT	SHOWER	No	Yes	No	1/2"	
3B-121 SPEC CARE PHY OFF	SINK / LAVATORY	No	Yes	No	1/2"	
3B-121A SPEC CARE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
3B-121A SPEC CARE TLT	SHOWER	No	Yes	No	1/2"	
3B-122 SPEC CARE EXAM RM	SINK / LAVATORY	No	Yes	No	1/2"	
3B-122A SPEC CARE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
3B-122A SPEC CARE TLT	BATHTUB	No	Yes	No	1/2"	
3B-123 SPEC CARE EXAM RM	SINK / LAVATORY	No	Yes	No	1/2"	
3B-124 SPEC CARE EXAM RM	SINK / LAVATORY	No	Yes	No	1/2"	
3B-124A SPEC CARE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
3B-124A SPEC CARE TLT	SHOWER	No	Yes	No	1/2"	
3B-125 SPEC CARE RM	SINK / LAVATORY	No	Yes	No	1/2"	
3B-126 SPEC CARE EXAM RM	SINK / LAVATORY	No	Yes	No	1/2"	
3B-126A SPEC CARE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
3B-126A SPEC CARE TLT	SHOWER	No	Yes	No	1/2"	
3B-128 SPEC CARE EXAM RM	SINK / LAVATORY	No	Yes	No	1/2"	
3B-128A SPEC CARE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
3B-128A SPEC CARE TLT	SHOWER	No	Yes	No	1/2"	
3B-130 SPEC CARE EXAM RM	SINK / LAVATORY	No	Yes	No	1/2"	
3B-131 SPEC CARE WAIT RM	SINK / LAVATORY	No	Yes	No	1/2"	
3B-131A SPEC CARE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
3B-131A SPEC CARE TLT	SHOWER	No	Yes	No	1/2"	
3B-132 SPEC CARE EYE CLINIC WAIT RM	SINK / LAVATORY	No	Yes	No	1/2"	
3B-132A SPEC CARE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
3B-132A SPEC CARE TLT	SHOWER	No	Yes	No	1/2"	
3B-133 SPEC CARE EXAM RM	SINK / LAVATORY	No	Yes	No	1/2"	
3B-136A EYE CLINIC TLT	SINK / LAVATORY	No	Yes	No	1/2"	
3B-137 SPEC CARE MALE / FEMALE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
3B-139 SPEC CARE EYE CLINIC	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
4A-100A BEHAV HEALTH SOCIAL WORKER	SINK / LAVATORY	No	Yes	No	1/2"	HANDSFREE WITH FOOT PEDAL
4A-102 DIRS SUITE / QLT MGMT	SINK / LAVATORY	No	Yes	No	1/2"	
4A-102 DIRS SUITE / QLT MGMT	SINK / LAVATORY	No	Yes	No	1/2"	
4A-103A COMMON TLT	SINK / LAVATORY	No	Yes	No	1/2"	
4A-104 BEHAV HEALTH EXAM RM	SINK / LAVATORY	No	Yes	No	1/2"	
4A-105 BEHAV HEALTH PHY OFF	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
4A-105A PRIMARY CARE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
4A-105A PRIMARY CARE TLT	SHOWER	No	Yes	No	1/2"	
4A-109 COMMON SOILED UTIL	SINK / LAVATORY	No	Yes	No	1/2"	SINGLE HANDLE
4A-115 BEHAV HEALTH ANTE RM	SINK / LAVATORY	No	Yes	No	1/2"	
4A-115 SPEC CARE TLT	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
4A-115 SPEC CARE TLT	SHOWER	No	Yes	No	1/2"	
4A-118 BEHAV HEALTH GROUP RM	SINK / LAVATORY	No	Yes	No	1/2"	
4A-118 BEHAV HEALTH GROUP RM	SINK / LAVATORY	No	Yes	No	1/2"	
4A-119 BEHAV HEALTH GROUP RM	SINK / LAVATORY	No	Yes	No	1/2"	
4A-119 BEHAV HEALTH GROUP RM	SINK / LAVATORY	No	Yes	No	1/2"	
4A-120 BEHAV HEALTH PAT WAIT AREA	SINK / LAVATORY	No	Yes	No	1/2"	
4A-120A BEHAV HEALTH TLT	SINK / LAVATORY	No	Yes	No	1/2"	
4A-121 BEHAV HEALTH SOC WRK	SINK / LAVATORY	No	Yes	No	1/2"	
4A-121A BEHAV HEALTH TLT	SINK / LAVATORY	No	Yes	No	1/2"	
4A-121A BEHAV HEALTH TLT	SHOWER	No	Yes	No	1/2"	
4A-122 BEHAV HEALTH NRS	SINK / LAVATORY	No	Yes	No	1/2"	
4A-122A BEHAV HEALTH TLT	SINK / LAVATORY	No	Yes	No	1/2"	
4A-122A BEHAV HEALTH TLT	BATHTUB	No	Yes	No	1/2"	
4A-123 BEHAV HEALTH NRS	SINK / LAVATORY	No	Yes	No	1/2"	
4A-124 BEHAV HEALTH STAFF PSYCHIATRIST	SINK / LAVATORY	No	Yes	No	1/2"	
4A-124A BEHAV HEALTH TLT	SINK / LAVATORY	No	Yes	No	1/2"	
4A-124A BEHAV HEALTH TLT	SHOWER	No	Yes	No	1/2"	
4A-125 BEHAV HEALTH STAFF PSYCHOLOGIST	SINK / LAVATORY	No	Yes	No	1/2"	
4A-126 BEHAV HEALTH PSYCHIATRIST	SINK / LAVATORY	No	Yes	No	1/2"	
4A-126A BEHAV HEALTH TLT	SINK / LAVATORY	No	Yes	No	1/2"	
4A-128 BEHAV HEALTH TRIAGE	SINK / LAVATORY	No	Yes	No	1/2"	
4A-128A BEHAV HEALTH TLT	SINK / LAVATORY	No	Yes	No	1/2"	
4A-128A BEHAV HEALTH TLT	SHOWER	No	Yes	No	1/2"	
4A-130 BEHAV HEALTH STAFF PSYCHOLOGIST	SINK / LAVATORY	No	Yes	No	1/2"	
4A-131A BEHAV HEALTH TLT	SINK / LAVATORY	No	Yes	No	1/2"	
4A-131A BEHAV HEALTH TLT	SHOWER	No	Yes	No	1/2"	
4A-132 VACANT SPACE IT TRAINING RM	SINK / LAVATORY	No	Yes	No	1/2"	
4A-132A VACANT SPACE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
4A-132A VACANT SPACE TLT	SHOWER	No	Yes	No	1/2"	
4A-133 SPEC CARE PHY EXAM RM	SINK / LAVATORY	No	Yes	No	1/2"	
4A-133 SPEC CARE PHY EXAM RM	SINK / LAVATORY	No	Yes	No	1/2"	
4A-134 SPEC CARE OCCUPATIONAL HEALTH	SINK / LAVATORY	No	Yes	No	1/2"	
4A-134 SPEC CARE OCCUPATIONAL HEALTH	SINK / LAVATORY	No	Yes	No	1/2"	
4A-135 SPEC CARE TRIAGE	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
4A-136A PRIMARY CARE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
4A-137 PRIMARY CARE STAFF TLT	SINK / LAVATORY	No	Yes	No	1/2"	
4A-138 SPEC CARE PSYCHIATRIST	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
4A-139 BEHAV HEALTH SOC WRK	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
4B-101 PRIMARY CARE EXAM RM	SINK / LAVATORY	No	Yes	No	1/2"	
4B-103 PRIMARY CARE MALE / FEMALE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
4B-104 PRIMARY CARE EXAM RM	SINK / LAVATORY	No	Yes	No	1/2"	
4B-105 PRIMARY CARE EXAM RM	SINK / LAVATORY	No	Yes	No	1/2"	
4B-105A PRIMARY CARE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
4B-105A PRIMARY CARE TLT	SHOWER	No	Yes	No	1/2"	
4B-106 PRIMARY CARE EXAM RM	SINK / LAVATORY	No	Yes	No	1/2"	
4B-108 VACANT SPACE EXAM RM	SINK / LAVATORY	No	Yes	No	1/2"	
4B-109 VACANT SPACE	SINK / LAVATORY	No	Yes	No	1/2"	SINGLE HANDLE
4B-112 PRIMARY CARE MEDICATION	SINK / LAVATORY	No	Yes	No	1/2"	
4B-113 PRIMARY CARE NOUR KITCHEN	SINK / LAVATORY	No	Yes	No	1/2"	
4B-114 PRIMARY CARE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
4B-115 PRIMARY CARE	SINK / LAVATORY	No	Yes	No	1/2"	
4B-115C PRIMARY CARE TLT	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
4B-115C PRIMARY CARE TLT	SHOWER	No	Yes	No	1/2"	
4B-118 VACANT SPACE WAIT RM	SINK / LAVATORY	No	Yes	No	1/2"	
4B-118 VACANT SPACE WAIT RM	SINK / LAVATORY	No	Yes	No	1/2"	
4B-119 VACANT SPACE WAIT RM	SINK / LAVATORY	No	Yes	No	1/2"	
4B-119 VACANT SPACE WAIT RM	SINK / LAVATORY	No	Yes	No	1/2"	
4B-120 VACANT SPACE PHY OFF	SINK / LAVATORY	No	Yes	No	1/2"	
4B-120A VACANT SPACE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
4B-120A VACANT SPACE TLT	SHOWER	No	Yes	No	1/2"	
4B-121 PRIMARY CARE PHY OFF	SINK / LAVATORY	No	Yes	No	1/2"	
4B-121A PRIMARY CARE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
4B-121A PRIMARY CARE TLT	SHOWER	No	Yes	No	1/2"	

POINT-OF-USE THERMOSTATIC MIXING VALVE SCHEDULE

ROOM NUMBER	TYPE OF FIXTURE	HAS MIXING VALVE	NEEDS MIXING VALVE	TAMPER PROOF REQUIRED	MIN FIXTURE CONNECTION	REMARKS
2A-131A URGENT CARE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
2A-131A URGENT CARE TLT	SHOWER	No	Yes	No	1/2"	
2A-132 URGENT CARE TREATMENT ROOM	SINK / LAVATORY	No	Yes	No	1/2"	
2A-132A URGENT CARE TOILET	SINK / LAVATORY	No	Yes	No	1/2"	
2A-133 URGENT CARE WAIT RM	SINK / LAVATORY	No	Yes	No	1/2"	
2A-133 URGENT CARE WAIT RM	SINK / LAVATORY	No	Yes	No	1/2"	
2A-134 URGENT CARE TRIAGE	SINK / LAVATORY	No	Yes	No	1/2"	
2A-134 URGENT CARE TRIAGE	SINK / LAVATORY	No	Yes	No	1/2"	
2A-137 MALE / FEMALE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
2A-139 COMMON BRK RM	SINK / LAVATORY	No	Yes	No	1/2"	HANDSFREE WITH FOOT PEDAL
2B-101 SURGICAL CHIEF SURGICAL SVC	SINK / LAVATORY	No	Yes	No	1/2"	
2B-103 SPEC CARE STOR	SINK / LAVATORY	No	Yes	No	1/2"	SINGLE HANDLE
2B-103 SPEC CARE TELE RETINAL CLINIC	SINK / LAVATORY	No	Yes	No	1/2"	
2B-104 SPEC CARE TELEHEALTH CLINIC	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
2B-105 SPEC CARE OFF	SINK / LAVATORY	No	Yes	No	1/2"	
2B-107A SPEC CARE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
2B-107A SPEC CARE TLT	BATHTUB	No	Yes	No	1/2"	
2B-109 PRIMARY CARE OFF	SINK / LAVATORY	No	Yes	No	1/2"	
2B-113 PRIMARY CARE LACTATION RM	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
2B-114A BEDS MICU TLT	SINK / LAVATORY	No	Yes	No	1/2"	
2B-119 BEDS MEDICAL 2 - BED RM	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
2B-122 BEDS MICU PAT RM	SINK / LAVATORY	No	Yes	No	1/2"	HANDSFREE WITH FOOT PEDAL
2B-123 BEDS MICU PAT RM	SINK / LAVATORY	No	Yes	No	1/2"	
2B-125 BEDS MICU ANTE RM	SINK / LAVATORY	No	Yes	No	1/2"	
2B-126 BEDS MICU PAT RM	SINK / LAVATORY	No	Yes	No	1/2"	HANDSFREE WITH FOOT PEDAL
2B-126 BEDS MICU PAT RM	SINK / LAVATORY	No	Yes	No	1/2"	
2B-128 BEDS MICU TLT	MOP SINK	No	Yes	No	1/2"	
2B-131 BEDS MICU CLEAN UTIL	SINK / LAVATORY	No	Yes	No	1/2"	
2B-136 COMMON MALE / FEMALE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
2B-143 SPEC CARE CLEAN STOR	SINK / LAVATORY	No	Yes	No	1/2"	
2B-143 SPEC CARE CLEAN STOR	SINK / LAVATORY	No	Yes	No	1/2"	
2B-146 CARDIOLOGY NONINVASIVE CARDIAC LAB	SINK / LAVATORY	No	Yes	No	1/2"	
2B-148 SPEC CARE CLEAN UTIL	SINK / LAVATORY	No	Yes	No	1/2"	
2B-148 SPEC CARE CLEAN UTIL	SINK / LAVATORY	No	Yes	No	1/2"	HANDSFREE WITH FOOT PEDAL
2B-151 SPEC CARE PULM AND BLOOD GAS LAB	SINK / LAVATORY	No	Yes	No	1/2"	
2C-104 SURGICAL SOILED LINEN	SINK / LAVATORY	No	Yes	No	1/2"	
2C-105 SURGICAL CYSTOSCOPY	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
2C-105B SURGICAL	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
2C-105B SURGICAL	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
2C-105B SURGICAL	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
2C-106A SURGICAL MALE/FEMALE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
2C-107 SURGICAL RECOVERY RM	SINK / LAVATORY	No	Yes	No	1/2"	
2C-107 SURGICAL RECOVERY RM	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
2C-107A SURGICAL MINOR SURGERY	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
2C-107B SURGICAL SOILED UTILITY	SINK / LAVATORY	No	Yes	No	1/2"	
2C-107C SURGICAL CLEAN LINEN	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
2C-107E SURGICAL TLT	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
2C-107F SURGICAL CLEAN UTIL	SINK / LAVATORY	No	Yes	No	1/2"	
2C-109 DIGEST / ENDO ENDOSCOPY WRK RM	SINK / LAVATORY	No	Yes	No	1/2"	
2C-109 DIGEST / ENDO ENDOSCOPY WRK RM	SINK / LAVATORY	No	Yes	No	1/2"	
2C-111 SURGICAL SCRUB RM	SINK / LAVATORY	No	Yes	No	1/2"	SCRUB SINK
2C-111 SURGICAL SCRUB RM	SINK / LAVATORY	No	Yes	No	1/2"	SCRUB SINK
2C-111 SURGICAL SCRUB RM	SINK / LAVATORY	No	Yes	No	1/2"	SCRUB SINK
2C-111A SURGICAL SCRUB RM	SINK / LAVATORY	No	Yes	No	1/2"	SCRUB SINK
2C-111A SURGICAL SCRUB RM	SINK / LAVATORY	No	Yes	No	1/2"	SCRUB SINK
2C-111E SURGICAL	SINK / LAVATORY	No	Yes	No	1/2"	
2C-118 SURGICAL LOUNGE	SINK / LAVATORY	No	Yes	No	1/2"	
2C-119 SURGICAL MALE LKR	SINK / LAVATORY	No	Yes	No	1/2"	
2C-119 SURGICAL MALE LKR	SHOWER	No	Yes	No	1/2"	
2C-120 SURGICAL FEMALE LOCKER	SHOWER	Yes	Yes	No	1/2"	
2D-101 SPS SVC STERILE SUPP	SINK / LAVATORY	No	Yes	No	1/2"	
2D-101 SPS SVC STERILE SUPP	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
2D-103A SPS SVC FEMALE LKR	SINK / LAVATORY	No	Yes	No	1/2"	
2D-103B COMMON MALE LKR	SINK / LAVATORY	No	Yes	No	1/2"	
2D-105 SPS SVC DCON	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
2D-105 SPS SVC DCON	SINK / LAVATORY	No	Yes	No	1/2"	WITH HAND SPRAYER
2D-105 SPS SVC DCON	SINK / LAVATORY	No	Yes	No	1/2"	WITH HAND SPRAYER
2D-105 SPS SVC DCON	SINK / LAVATORY	No	Yes	No	1/2"	WITH HAND SPRAYER
2D-106 SPS SVC DRESSING	SINK / LAVATORY	No	Yes	No	1/2"	
2D-106 SPS SVC DRESSING	SHOWER	No	Yes	No	1/2"	
2D-108 SPS SVC SCON PREP	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
2D-108 SPS SVC SCON PREP	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
C2-29 SURGICAL CORR	SINK / LAVATORY	No	Yes	No	1/2"	
3A-102 BEDS MEDICAL DAY RM	MOP SINK	No	Yes	No	1/2"	
3A-103A COMMON MALE / FEMALE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
3A-104 BEDS MEDICAL EQUIP STORAGE	SINK / LAVATORY	No	Yes	No	1/2"	
3A-105 BEDS MEDICAL 1 - BED RM	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
3A-105A BEDS MEDICAL TLT	SINK / LAVATORY	No	Yes	No	1/2"	
3A-105A BEDS MEDICAL TLT	SHOWER	No	Yes	No	1/2"	
3A-109 BEDS MEDICAL SOILED UTIL	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
3A-113 BEDS MEDICAL NOUR STATION	SINK / LAVATORY	No	Yes	No	1/2"	
3A-115 BEDS MEDICAL	SINK / LAVATORY	No	Yes	No	1/2"	
3A-115C BEDS MEDICAL TLT	SINK / LAVATORY	No	Yes	No	1/2"	
3A-115C BEDS MEDICAL TLT	SHOWER	No	Yes	No	1/2"	
3A-118 BEDS MEDICAL 4 - BED RM	SINK / LAVATORY	No	Yes	No	1/2"	
3A-119 BEDS MEDICAL 2 - BED RM	SINK / LAVATORY	No	Yes	No	1/2"	
3A-120 BEDS MEDICAL 4 - BED RM	SINK / LAVATORY	No	Yes	No	1/2"	
3A-120A BEDS MEDICAL TLT	SINK / LAVATORY	No	Yes	No	1/2"	
3A-120A BEDS MEDICAL TLT	SHOWER	No	Yes	No	1/2"	
3A-121 BEDS MEDICAL 2 - BED RM	SINK / LAVATORY	No	Yes	No	1/2"	
3A-121A BEDS MEDICAL TLT	SINK / LAVATORY	No	Yes	No	1/2"	
3A-121A BEDS MEDICAL TLT	SHOWER	No	Yes	No	1/2"	
3A-122 BEDS MEDICAL 1 - BED RM	SINK / LAVATORY	No	Yes	No	1/2"	
3A-122A BEDS MEDICAL TLT	SINK / LAVATORY	No	Yes	No	1/2"	
3A-122A BEDS MEDICAL TLT	BATHTUB	No	Yes	No	1/2"	
3A-123 BEDS MEDICAL 1 - BED RM	SINK / LAVATORY	No	Yes	No	1/2"	
3A-124 BEDS MEDICAL 2 - BED RM	SINK / LAVATORY	No	Yes	No	1/2"	
3A-124A BEDS MEDICAL TLT	SINK / LAVATORY	No	Yes	No	1/2"	
3A-124A BEDS MEDICAL TLT	SHOWER	No	Yes	No	1/2"	
3A-125 BEDS MEDICAL 2 - BED RM	SINK / LAVATORY	No	Yes	No	1/2"	
3A-126 BEDS MEDICAL 2 - BED RM	SINK / LAVATORY	No	Yes	No	1/2"	
3A-126A BEDS MEDICAL TLT	SINK / LAVATORY	No	Yes	No	1/2"	
3A-126A BEDS MEDICAL TLT	SHOWER	No	Yes	No	1/2"	
3A-128 BED MED / SURG 1 - BED RM	SINK / LAVATORY	No	Yes	No	1/2"	
3A-128A BEDS MEDICAL TLT	SINK / LAVATORY	No	Yes	No	1/2"	
3A-128A BEDS MEDICAL TLT	SHOWER	No	Yes	No	1/2"	
3A-130 BED MED / SURG 1 - BED RM	SINK / LAVATORY	No	Yes	No	1/2"	
3A-131A BEDS MEDICAL TLT	SINK / LAVATORY	No	Yes	No	1/2"	
3A-131A BEDS MEDICAL TLT	SHOWER	No	Yes	No	1/2"	
3A-132 BEDS MEDICAL 4 - BED	SINK / LAVATORY	No	Yes	No	1/2"	
3A-132A BEDS MEDICAL TLT	SINK / LAVATORY	No	Yes	No	1/2"	
3A-132A BEDS MEDICAL TLT	SHOWER	No	Yes	No	1/2"	
3A-133 BEDS MEDICAL 2 - BED RM	SINK / LAVATORY	No	Yes	No	1/2"	
3A-134 BEDS MEDICAL 4 - BED RM	SINK / LAVATORY	No	Yes	No	1/2"	
3A-137 BEDS MEDICAL TLT	SINK / LAVATORY	No	Yes	No	1/2"	
3A-138 BEDS MEDICAL STOR	SHOWER	No	Yes	No	1/2"	
3A-138 BEDS MEDICAL STOR	SHOWER	No	Yes	No	1/2"	
3B-101 SPEC CARE BRK RM	SINK / LAVATORY	No	Yes	No	1/2"	

POINT-OF-USE THERMOSTATIC MIXING VALVE SCHEDULE

ROOM NUMBER	TYPE OF FIXTURE	HAS MIXING VALVE	NEEDS MIXING VALVE	TAMPER PROOF REQUIRED	MIN FIXTURE CONNECTION	REMARKS
GA-114 COMMON MALE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
GA-115 COMMON FEMALE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
GA-115 COMMON FEMALE TLT	SINK / LAVATORY	No	Yes	No	1/2"	HANDSFREE
GA-120 COMMON FEMALE TLT	SHOWER	No	Yes	No	1/2"	
GA-121 COMMON MALE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
GA-121 COMMON MALE TLT	SINK / LAVATORY	No	Yes	No	1/2"	
GA-121 COMMON MALE TLT	SHOWER	No	Yes	No	1/2"	
GB-100 SECY IMAGING SVC	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
GB-101 CHIEF IMAGING SVC	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
GB-109 DENTAL HYGIENE	SINK / LAVATORY	No	Yes	No	1/2"	
GB-110 TREATMENT RM	SINK / LAVATORY	No	Yes	No	1/2"	
GB-111	SINK / LAVATORY	No	Yes	No	1/2"	
GB-112 TREATMENT RM	SINK / LAVATORY	No	Yes	No	1/2"	
GB-113B TREATMENT RM	SINK / LAVATORY	No	Yes	No	1/2"	
GB-121 DIAG IMG CT SCAN RM	SINK / LAVATORY	No	Yes	No	1/2"	
GB-122 DIAG IMG TLT	SINK / LAVATORY	No	Yes	No	1/2"	
GB-126A DIAG IMG OFF	SINK / LAVATORY	No	Yes	No	1/2"	
GB-127 DIAG IMG EXAM RM	SINK / LAVATORY	No	Yes	No	1/2"	
GB-127B DIAG IMG TLT	SINK / LAVATORY	No	Yes	No	1/2"	
GB-128 DIAG IMG Z RAY RM-3	SINK / LAVATORY	No	Yes	No	1/2"	
GB-128A DIAG IMG TLT	SINK / LAVATORY	No	Yes	No	1/2"	
GB-131 DIAG IMG X RAY RM-2	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
GB-135 DIAG IMG X RAY RM-1	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
GB-137 DIAG IMG HOT LAB	SINK / LAVATORY	No	Yes	No	1/2"	
GD-140 ANTE-RM	SINK / LAVATORY	No	Yes	No	1/2"	WITH FOOT PEDAL
RCCG110R TREATMENT RM	SINK / LAVATORY	No	Yes	No	1/2"	
RCCG123R PHARMACY	SINK / LAVATORY	No	Yes	No	1/2"	
RCCG123R PHARMACY	SINK / LAVATORY	No	Yes	No	1/2"	
RCCG124R DIAG IMG TLT	SINK / LAVATORY	No	Yes	No	1/2"	
1A-124D DIRS SUITE / QLT MGMT	SINK / LAVATORY	No	Yes	No	1/2"	
1A-124F DIRS SUITE / QLT MGMT KITCHEN	SINK / LAVATORY	No	Yes	No	1/2"	
1A-136A TOILET	SINK / LAVATORY	No	Yes	No	1/2"	
1A-136A TOILET	SINK / LAVATORY	No	Yes	No	1/2"	
1A-136A TOILET	SINK / LAVATORY	No	Yes	No	1/2"	
1B-102 PRIMARY CARE ASSOC CHIEF OF STAFF	SINK / LAVATORY	No	Yes	No	1/2"	
1B-105 MENS TOILET	SINK / LAVATORY	No	Yes	No	1/2"	
1B-105 MENS TOILET	SINK / LAVATORY	No	Yes	No	1/2"	
1B-107 FEMALE TOILET	SINK / LAVATORY	No	Yes	No	1/2"	WITH F

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POINT-OF-USE THERMOSTATIC MIXING VALVE SCHEDULE

ROOM NUMBER	TYPE OF FIXTURE	HAS MIXING VALVE	NEEDS MIXING VALVE	TAMPER PROOF REQUIRED	MIN FIXTURE CONNECTION	REMARKS
2D-101A SPS SVC HAC	MOP SINK	No	No	No	1/2"	
2D-104 SPS SVC	MOP SINK	No	No	No	1/2"	
2D-105 SPS SVC DCON	EMERGENCY EYE /FACE WASH	No	No	No	3/4"	EYE WASH, COLD WATER SUPPLY ONLY
2D-105 SPS SVC DCON	SINK / LAVATORY	No	No	No	1/2"	CLINICAL SINK
2D-105A SPS SVC HAC	MOP SINK	No	No	No	1/2"	
2D-108 SPS SVC SCON PREP	EMERGENCY EYE /FACE WASH	No	No	No	3/4"	HANDHELD EYEWASH
3A-114 BEDS MEDICAL TLT	SINK / LAVATORY	Yes	No	No	1/2"	
3A-138 BEDS MEDICAL STOR	SINK / LAVATORY	No	No	No	1/2"	CLINICAL SINK
3A-140 BEDS MEDICAL HAC	MOP SINK	No	No	No	1/2"	
3B-134 SPEC CARE PHY OFF	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
3B-140 ENVIR MGMT HAC	MOP SINK	No	No	No	1/2"	
4A-114 COMMON TLT	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
4A-140 HAC	MOP SINK	No	No	No	1/2"	
4B-109 VACANT SPACE	SINK / LAVATORY	No	No	No	1/2"	CLINICAL SINK
4B-140 PRIMARY CARE HAC	MOP SINK	No	No	No	1/2"	
5A-111 DIRS SUITE / QLT MGMT UTIL	MOP SINK	No	No	No	1/2"	
No: 131						
Grand total: 521						

NOTES:

1. PROVIDE THERMOSTATIC MIXING VALVE AT EACH FIXTURE REQUIRING THERMOSTATIC MIXING VALVE.
2. PROVIDE "DANGER. HOT WATER" SIGN AT EACH FIXTURE REQUIRING DOMESTIC HOT WATER AND NOT REQUIRING THERMOSTATIC MIXING VALVE.
3. ALL SINKS / LAVATORIES ARE TWO HANDLE UNLESS NOTED OTHERWISE.

POINT-OF-USE THERMOSTATIC MIXING VALVE SCHEDULE

ROOM NUMBER	TYPE OF FIXTURE	HAS MIXING VALVE	NEEDS MIXING VALVE	TAMPER PROOF REQUIRED	MIN FIXTURE CONNECTION	REMARKS
GA-117 COMMON HAC	MOP SINK	No	No	No	1/2"	
GA-120 COMMON FEMALE TLT	SINK / LAVATORY	Yes	No	No	1/2"	
GA-120 COMMON FEMALE TLT	SINK / LAVATORY	Yes	No	No	1/2"	
GA-128B	MOP SINK	No	No	No	1/2"	
GA-128C KITCHEN	SINK / LAVATORY	No	No	No	1/2"	
GA-128C KITCHEN	SINK / LAVATORY	No	No	No	1/2"	
GA-128C KITCHEN	SINK / LAVATORY	No	No	No	1/2"	
GA-128C KITCHEN	SINK / LAVATORY	No	No	No	1/2"	
GA-128C KITCHEN	SINK / LAVATORY	No	No	No	1/2"	
GA-128C KITCHEN	SINK / LAVATORY	No	No	No	1/2"	
GA-128C KITCHEN	EMERGENCY EYE /FACE WASH	No	No	No	3/4"	COLD WATER SUPPLY ONLY
GB-110	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GB-113A TREATMENT RM	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GB-115 TREATMENT RM	SINK / LAVATORY	Yes	No	No	1/2"	
GB-140	MOP SINK	No	No	No	1/2"	
GC-106A COMMON MALE TLT	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GC-106B COMMON FEM TLT	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GC-110 POLICE/SEC FEMALE TLT	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GC-112 POLICE/SEC MALE TLT	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GC-119 POLICE/SEC CONF/LOUNGE	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GD113 PATIENT TLT	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GD113 PATIENT TLT	SHOWER	Yes	No	No	1/2"	
GD133 URGENT CARE NURSE STATION	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GD133 URGENT CARE NURSE STATION	EMERGENCY EYE /FACE WASH	No	No	No	3/4"	HAND HELD EYEWASH
GD133 URGENT CARE NURSE STATION	EMERGENCY EYE /FACE WASH	No	No	No	3/4"	HAND HELD EYEWASH
GD133 URGENT CARE NURSE STATION	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GD-102A PHARMACY HAC	MOP SINK	No	No	No	1/2"	
GD-106 FEM TLT	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE, HAS GROUP TMV
GD-106 FEM TLT	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE, HAS GROUP TMV
GD-107 MALE TLT	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE, HAS GROUP TMV
GD-107 MALE TLT	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE, HAS GROUP TMV
GD-108 PELVIC/GYN EXAM	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GD-109 OCCUPATIONAL HEALTH	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GD-110 OCCUPATIONAL HEALTH	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GD-114 EXAM RM	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GD-115 EXAM RM	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GD-115 EXAM RM	EMERGENCY EYE /FACE WASH	No	No	No	3/4"	HAND HELD EYEWASH
GD-116 EXAM RM	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GD-117 EXAM RM	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GD-117 EXAM RM	EMERGENCY EYE /FACE WASH	No	No	No	3/4"	HAND HELD EYEWASH
GD-118 PATIENT TLT	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GD-118 PATIENT TLT	SHOWER	Yes	No	No	1/2"	
GD-120 EXAM RM	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GD-121 EXAM RM	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GD-121 EXAM RM	EMERGENCY EYE /FACE WASH	No	No	No	3/4"	HAND HELD EYEWASH
GD-124 STAFF MALE TLT	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GD-125 STAFF FEM TLT	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GD-126 EXAM RM	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GD-128 EXAM RM	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GD-130 PELVIC/GYN EXAM	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GD-131 PELVIC/GYN EXAM	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GD-131 PELVIC/GYN EXAM	EMERGENCY EYE /FACE WASH	No	No	No	3/4"	
GD-132 OCCUPATIONAL HEALTH	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GD-134 NOURISH	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GD-135 SOILED UTILITY	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GD-135 SOILED UTILITY	SINK / LAVATORY	No	No	No	1/2"	LAUNDRY TUB
GD-136 ISO 2	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GD-136 ISO 2	EMERGENCY EYE /FACE WASH	No	No	No	3/4"	HAND HELD EYEWASH
GD-137 ISO	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GD-137 ISO	EMERGENCY EYE /FACE WASH	No	No	No	3/4"	HAND HELD EYEWASH
GD-139 ISO TLT	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GD-139 ISO TLT	SHOWER	Yes	No	No	1/2"	
GD-142 NURSE STATION	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GD-142 NURSE STATION	EMERGENCY EYE /FACE WASH	No	No	No	3/4"	HAND HELD EYEWASH
GD-149 S.O.G. TLT	SINK / LAVATORY	Yes	No	Yes	1/2"	HANDSFREE
GD-149 S.O.G. TLT	SINK / LAVATORY	Yes	No	Yes	1/2"	HANDSFREE
GD-149 S.O.G. TLT	SHOWER	Yes	No	Yes	1/2"	
GD-160A TRIAGE 1	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GD-160A TRIAGE 1	EMERGENCY EYE /FACE WASH	No	No	No	3/4"	HAND HELD EYEWASH
GD-160B TRIAGE 2	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
GD-160B TRIAGE 2	EMERGENCY EYE /FACE WASH	No	No	No	3/4"	HAND HELD EYEWASH
GD-160C WAITING FEM TLT	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE, HAS GROUP TMV
GD-160D WAITING MALE TLT	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE, HAS GROUP TMV
GD-161 STAFF LOUNGE	SINK / LAVATORY	Yes	No	No	1/2"	HAS GROUP TMV
GD-162 HAC	MOP SINK	No	No	No	1/2"	
GD-163 URGENT CARE MEDS	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
RCCG110R TREATMENT RM	SINK / LAVATORY	Yes	No	No	1/2"	
RCCG123R PHARMACY	EMERGENCY EYE /FACE WASH	No	No	No	3/4"	
1A-116 MALE TOILET	SINK / LAVATORY	Yes	No	No	1/2"	SINGLE HANDLE
1A-116 MALE TOILET	SINK / LAVATORY	Yes	No	No	1/2"	SINGLE HANDLE
1A-116 MALE TOILET	SINK / LAVATORY	Yes	No	No	1/2"	SINGLE HANDLE
1A-126 HAC	MOP SINK	No	No	No	1/2"	
1B-107 FEMALE TOILET	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
1B-107 FEMALE TOILET	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
1C-100 HAC	MOP SINK	No	No	No	1/2"	
1D-100 PATHOLOGY MALE/FEMALE TLT	SINK / LAVATORY	Yes	No	No	1/2"	
1D-106 PATHOLOGY MICROBIOLOGY	SINK / LAVATORY	No	No	No	1/2"	EYE WASH, COLD WATER SUPPLY ONLY
1D-107 PATHOLOGY STERILIZATION	EMERGENCY EYE /FACE WASH	No	No	No	3/4"	HAND HELD EYEWASH
1D-108 COMMON HAC	MOP SINK	No	No	No	1/2"	
1D-114 PATHOLOGY LAB	EMERGENCY EYE /FACE WASH	No	No	No	3/4"	EYE WASH, COLD WATER SUPPLY ONLY
1D-114 PATHOLOGY LAB	EMERGENCY EYE /FACE WASH	No	No	No	3/4"	HANDHELD
1D-117 PATHOLOGY HISTOLOGY	EMERGENCY EYE /FACE WASH	No	No	No	3/4"	HANDHELD, COLD WATER SUPPLY ONLY
1D-122 PATHOLGY GROSS SPECIMEN STOR	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
1D-124 PATHOLOGY HAC	MOP SINK	No	No	No	1/2"	
1D-127 PATHOLOGY AUTOPSY	SINK / LAVATORY	Yes	No	No	1/2"	WITH KNEE PEDAL
1D-127 PATHOLOGY AUTOPSY	SINK / LAVATORY	Yes	No	No	1/2"	WITH KNEE PEDAL
1D-127A PATHOLOGY STORAGE	SINK / LAVATORY	No	No	No	1/2"	CLINICAL SINK
2A-140 ENVIR MGMT HAC	MOP SINK	No	No	No	1/2"	
2B-102A PRIMARY CARE TLT	SINK / LAVATORY	Yes	No	No	1/2"	
2B-103 SPEC CARE STOR	MOP SINK	No	No	No	1/2"	
2B-120 BEDS MICU HAC	MOP SINK	No	No	No	1/2"	
2B-121 BEDS MICU ANTE RM	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
2B-127-1 BEDS ICU PAT RM	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
2B-127-2 BEDS ICU PAT RM	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
2B-127-3 BEDS MICU PAT RM	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
2B-129 BEDS MICU SOILED UTIL	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
2B-129 BEDS MICU SOILED UTIL	SINK / LAVATORY	No	No	No	1/2"	CLINICAL SINK
2B-151 SPEC CARE PULM AND BLOOD GAS LAB	EMERGENCY EYE /FACE WASH	No	No	No	3/4"	HANDHELD EYEWASH
2C-104 SURGICAL SOILED LINEN	SINK / LAVATORY	No	No	No	1/2"	CLINICAL SINK
2C-107B SURGICAL SOILED UTILITY	SINK / LAVATORY	No	No	No	1/2"	CLINICAL SINK
2C-109 DIGEST / ENDO ENDOSCOPY WRK RM	EMERGENCY EYE /FACE WASH	No	No	No	3/4"	EYE WASH, COLD WATER SUPPLY ONLY
2C-111C COMMON HAC	MOP SINK	No	No	No	1/2"	
2C-115 SURGICAL HAC	MOP SINK	No	No	No	1/2"	
2C-120 SURGICAL FEMALE LOCKER	SINK / LAVATORY	Yes	No	No	1/2"	HANDSFREE
2D-101 SPS SVC STERILE SUPP	EMERGENCY EYE /FACE WASH	No	No	No	3/4"	COLD WATER SUPPLY ONLY
2D-101 SPS SVC STERILE SUPP	EMERGENCY EYE /FACE WASH	No	No	No	3/4"	HANDHELD, COLD WATER SUPPLY ONLY

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#	Revisions:	Date

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: PLUMBING SCHEDULES

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Approved:

Date: JULY 16, 2025

Checked: SMR

Drawn: SMR

Drawing Number: P-603

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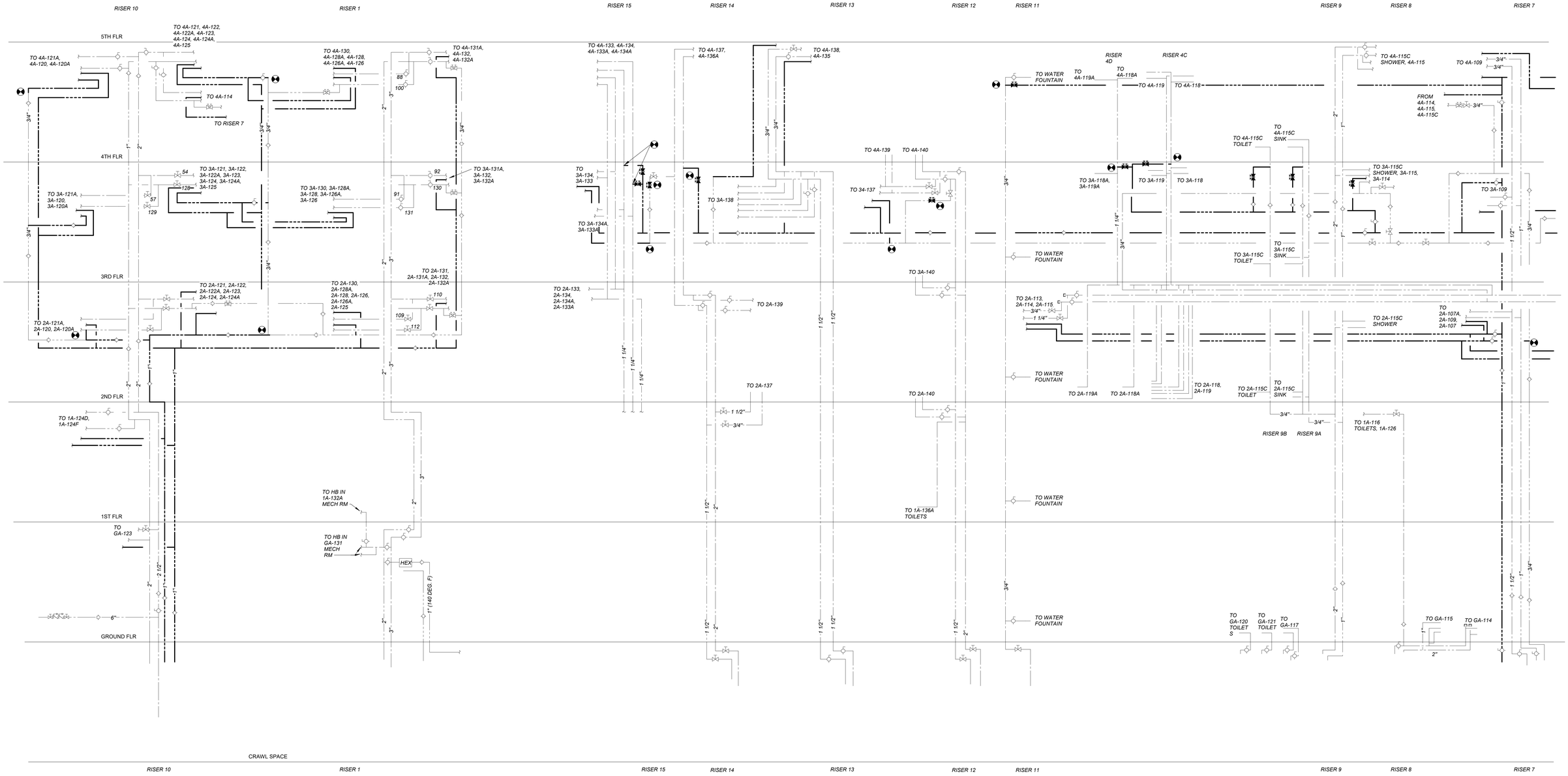

1 DOMESTIC WATER RISER DIAGRAM - PART 1

Scale: No Scale

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#	Revisions:	Date

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Drawing Title: DOMESTIC WATER RISER DIAGRAM - PART 1

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

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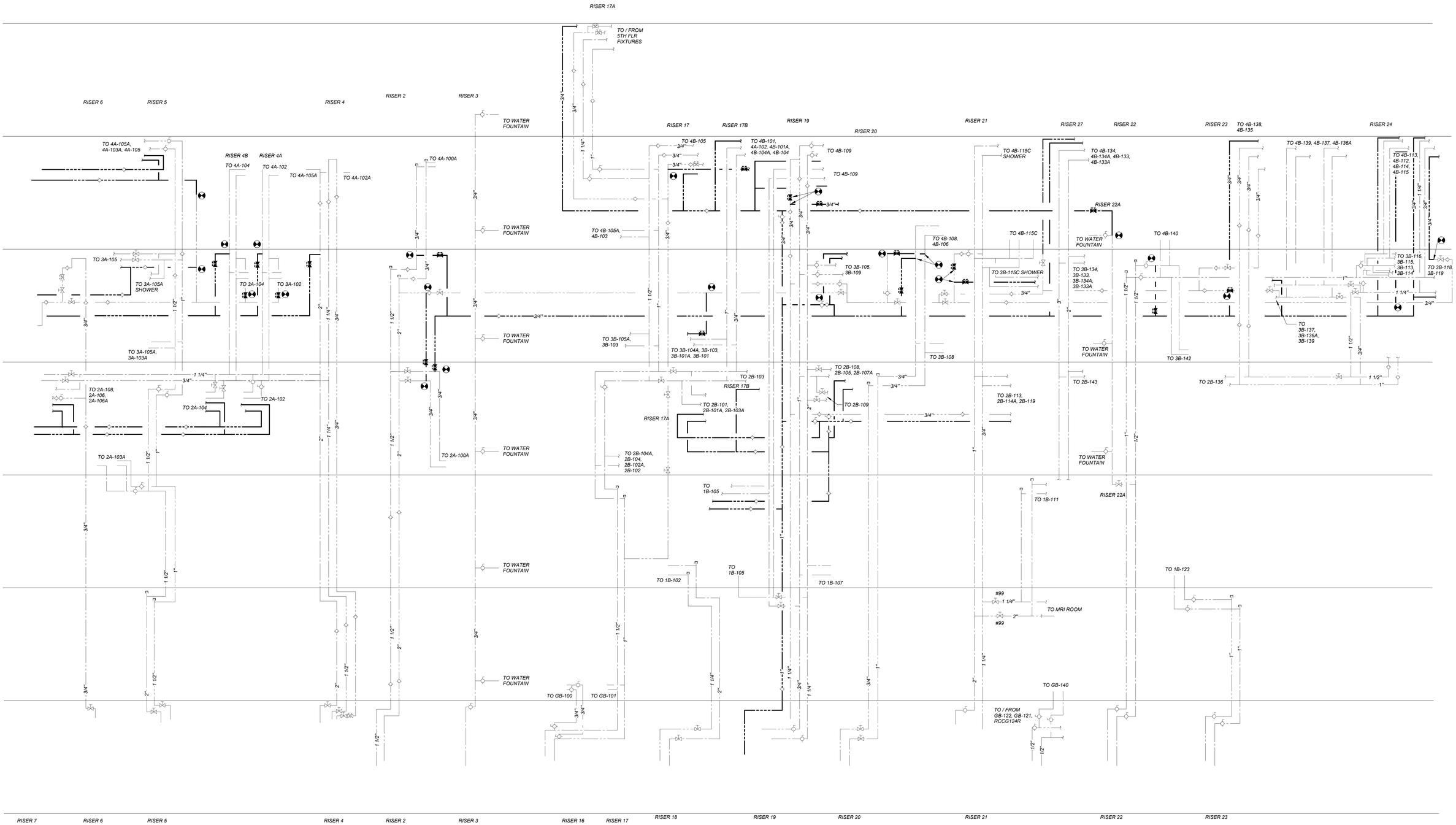

1 DOMESTIC WATER RISER DIAGRAM - PART 2

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#	Revisions:	Date

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Drawing Title: DOMESTIC WATER RISER DIAGRAM - PART 2

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

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VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Drawing Number: P-902

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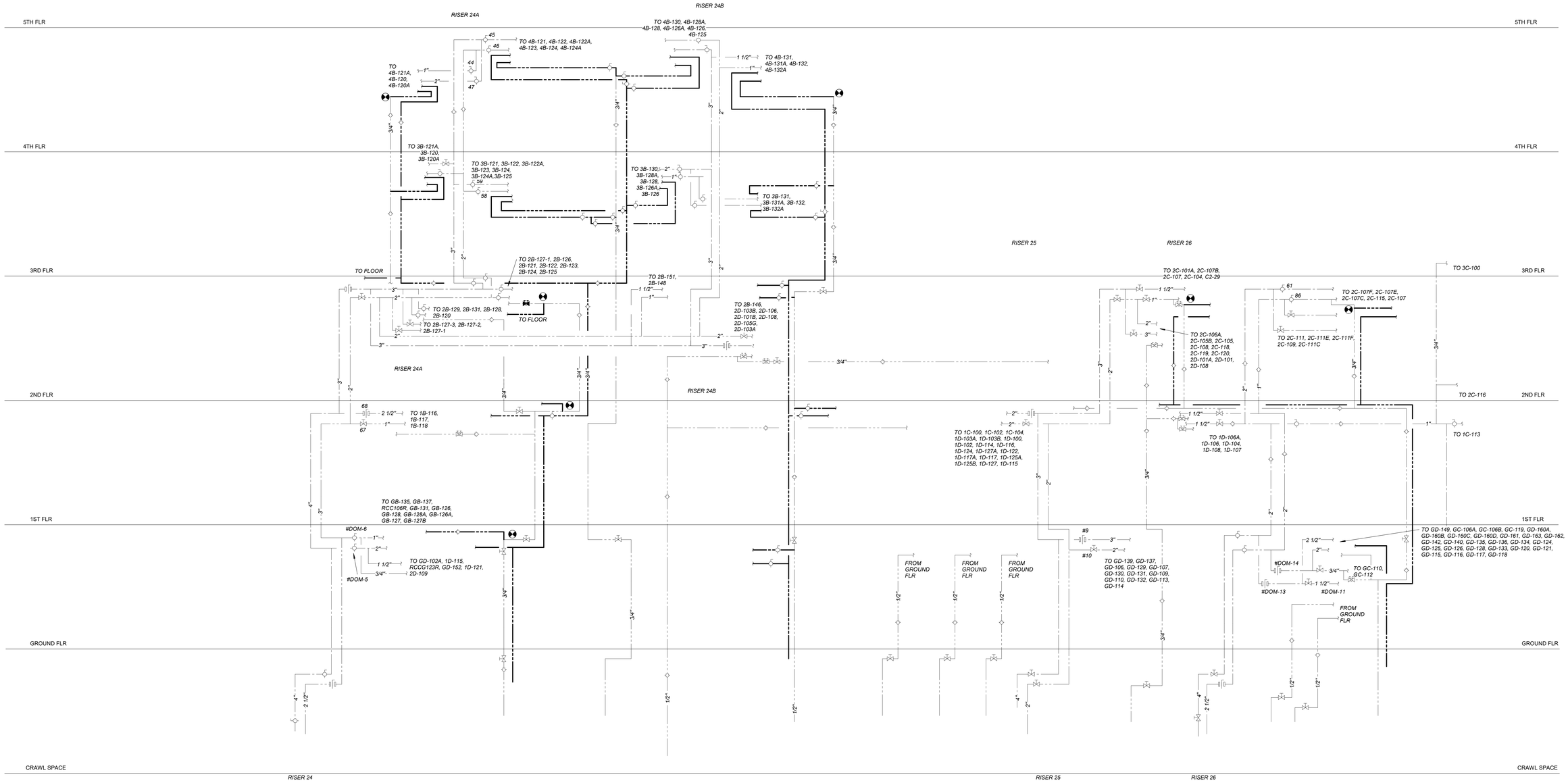

1 DOMESTIC WATER RISER DIAGRAM - PART 3

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Drawing Title: DOMESTIC WATER RISER DIAGRAM - PART 3

Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

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MECHANICAL ABBREVIATIONS

A/E	ARCHITECT / ENGINEER
AAHX	AIR TO AIR HEAT EXCHANGER
AB	AIR BLENDER
AAV	AUTOMATIC AIR VENT
ACC	AIR-COOLED CONDENSER
ACCH	AIR-COOLED CHILLER
ACCU	AIR-COOLED CONDENSING UNIT
ACU	AIR CONDITIONING UNIT
ACD	AUTOMATIC CONTROL DAMPER, MODULATING
ACD-TP	AUTOMATIC CONTROL DAMPER,TWO POSITION
AD	ACCESS DOOR
AF	AFTER FILTER
AFCV	AIR FLOW CONTROL VALVE
AFF	ABOVE FINISHED FLOOR
AFMD	AIR FLOW MEASURING DEVICE
AFW	AIR FOIL WHEEL (FAN)
AHU	AIR-HANDLING UNIT
AMP	AMPERAGE
AP	ACCESS PANEL
APD	AIR PRESSURE DROP
ARI	AIR CONDITIONING AND REFRIGERATION INSTITUTE
AS	AIR SEPARATOR
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
AW	AIR WASHER
AXF	AXIAL FLOW
B	BOILER
BD	BUTTERFLY DAMPER
BDD	BACKDRAFT DAMPER
BDR	BASE BOARD RADIATOR
BFP	BACKFLOW PREVENTER
BFT	BOILER PLANT FIRE TUBE
BHP	BRAKE HORSEPOWER
BHW	HOT WATER HEATING BOILER
BHX	BOILER BLOWDOWN HEAT EXCHANGER
BIW	BACKWARD INCLINED WHEEL (FAN)
BSC	BIOLOGICAL SAFETY CABINETS
BT	BUFFER TANK
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
C	CENTIGRADE (CELSIUS)
CC	COOLING COIL
CCD	COOLING COIL CONDENSATE DRAIN
CENT	CENTRIFUGAL
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CFT	CUBIC FEET
CFP	CHEMICAL FEED PUMP
CH	CHILLER
CHWP	CHILLED WATER PUMP
CHW	CHILLER WATER
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CI	CAST IRON
CM	CARBON MONOXIDE
CM	CUBIC METER
CM/S	CUBIC METER PER SECOND
CO	CLEAN OUT
CO2	CARBON DIOXIDE
COMP	COMPRESSOR UNIT
COP	COEFFICIENT OF PERFORMANCE
CP	CONDENSATE PUMP
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CV	CONSTANT VOLUME
CW	COLD WATER (POTABLE)
CHWCC	CHILLED WATER COOLING COIL
D	DAMPER - AUTOMATIC
D-1	OUTDOOR AIR DAMPER
D-2	RETURN AIR DAMPER
D-3	RELIEF AIR DAMPER
D-4	ECONOMIZER OUTDOOR AIR DAMPER
dB	DECIBELS
Db	DRY-BULB TEMPERATURE
DDC	DIRECT DIGITAL CONTROLS
DEG	DEGREE
DF	DIFFUSER
DIA	DIAMETER
DIW	DEIONIZED WATER
DP	DEW POINT TEMPERATURE
DP	DIFFUSER PLATE
DPA	DIFFERENTIAL PRESSURE ASSEMBLY
DPS	DIFFERENTIAL PRESSURE SENSOR
DX	DIRECT EXPANSION
DXCC	DIRECT EXPANSION COOLING COIL
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
ECC	ENGINEERING CONTROL CENTER
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EG	EXHAUST GRILLE
EGS	EMERGENCY GAS SHUTOFF
EH	EXHAUST HOOD
EJ	EXPANSION JOINT
EMD	END OF MAIN DRIP (STEAM)
ENT	ENTERING
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
EX	EXISTING
F	FAHRENHEIT
F&T	FLOAT AND THERMOSTATIC
F/SDPR	COMBINATION FIRE SMOKE DAMPER
FA	FREE AREA
FC	FLEXIBLE CONNECTION
FCU	FAN COIL UNIT (4 PIPE)
FCW	FORWARD CURVED WHEEL (FAN)
FD	FLOOR DRAIN
FD	FIRE DAMPER
FF	FINAL FILTER
FM	FLOW METER
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FRP	FIBER REINFORCED POLYESTER
FS	FLOW SWITCH
FSTAT	FREEZESTAT
FT	FEET
FT-LB	FOOT-POUND
FTR	FIN TUBE RADIATION
FV	FACE VELOCITY
GA	GAUGE
GAL	GALLONS
GH	GRAVITY HOOD
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GS	GALVANIZED STEEL
H	HUMIDIFIER
H&CW	HOT & COLD WATER
HAC	HOUSEKEEPING AID CLOSET
HB	HOSE BIBB
HC	HEATING COIL
HD	HEAD
HD	HOOD
HHW	HEATING HOT WATER
HHWC	HEATING HOT WATER COIL
HHWP	HEATING HOT WATER PUMP
HHWR	HEATING HOT WATER RETURN
HHWS	HEATING HOT WATER SUPPLY
HOA	HAND/OFF/AUTOMATIC
HP	HEAT PUMP
HP	HORSEPOWER
HPDT	HIGH PRESSURE DRIP TRAP
HPR	HIGH PRESSURE RETURN (STEAM CONDENSATE)
HPS	HIGH PRESSURE SUPPLY (STEAM)
HRC	HEAT RECOVERY COIL
HRD	HEAT RECOVERY DEVICE
HRP	HYDRONIC RADIANT (CEILING) PANEL
HRW	HEAT RECOVERY WHEEL
HSTAT	HUMIDISTAT
HUM	HUMIDIFIER UNIT MOUNTED
HVU	HEATING AND VENTILATING UNIT
HW	HOT WATER
HWC	HOT WATER COIL
HWUH	HOT WATER UNIT HEATER
HX	HEAT EXCHANGER
Hz	HERTZ
I/O	INPUT/OUTPUT
IAQ	INDOOR AIR QUALITY
IBT	INVERTED BUCKET TRAP
ICF	IN-LINE CENTRIFUGAL FAN
ICU	INTENSIVE CARE UNIT
ID	INSIDE DIAMETER
IFB	INTEGRAL FACE AND BYPASS
IN	INCHES
IN HG	INCHES OF MERCURY
IN WC	INCH WATER COLUMN
IN WG	INCH WATER GAUGE
IN-LB	INCH-POUND
IPLV	INTEGRATED PART LOAD VALUE
IRH	INFRARED HEATER
IS	INSECT SCREEN
IV	INLET VANES
kg	KILOGRAM
kg/HR	KILOGRAM PER HOUR
kPa	KILOPASCAL
kW	KILOWATT
kWh	KILOWATT HOUR
L	LITER
L/s	LITERS PER SECOND
LAT	LEAVING AIR TEMPERATURE
LBS/HR	POUNDS PER HOUR
LF	LINEAR FOOT (FEET)
LH	LATENT HEAT
LPR	LOW PRESSURE RETURN (STEAM CONDENSATE)
LPS	LOW PRESSURE SUPPLY (STEAM)
LSD	LINEAR SLOT DIFFUSER
LTCP	LOCAL TEMPERATURE CONTROL PANEL
LVG	LEAVING
LVR	LOUVER
LWT	LEAVING WATER TEMPERATURE
M	METER, SI UNIT
M/s	METERS PER SECOND (OR METERS/SECOND)
MA	MIXED AIR
MAT	MIXED AIR TEMPERATURE
MAV	MANUAL AIR VENT
MAX	MAXIMUM
MB	MIXING BOX
MBH	1000 BTUH
MCA	MINIMUM BRANCH CIRCUIT AMPACITY
MER	MECHANICAL EQUIPMENT ROOM
MERV	MINIMUM EFFICIENCY REPORTING VALUE
MHP	MOTOR HORSEPOWER
MIN	MINIMUM
MM	MILLIMETER
MOV	MOTOR OPERATED VALVE
MPR	MEDIUM PRESSURE RETURN (STEAM CONDENSATE)
MPS	MEDIUM PRESSURE SUPPLY (STEAM)
MTD	MEAN TEMPERATURE DIFFERENCE
MVD	MANUAL VOLUME DAMPER
NA	NOT APPLICABLE
NC	NOISE CRITERIA
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NOAA	NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION
NOM	NOMINAL
NPLV	NON-STANDARD PART LOAD VALUE
NPSH	NET POSITIVE SUCTION HEAD
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OAI	OUTSIDE AIR INTAKE
OD	OUTSIDE DIAMETER
OR	OPERATING ROOM
OSA	OUTSIDE SUPPLY AIR (CONDITIONED)
P	PUMP
PC	PUMPED CONDENSATE
PCF	POUNDS PER CUBIC FOOT (FEET)
PD	PRESSURE DROP
PF	PRE-FILTER
PG	PRESSURE GAGE
PHC	PREHEAT COIL
PHCP	PREHEAT COIL PUMP
PPM	PARTS PER MILLION
PRV	PRESSURE REGULATING VALVE
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH – ABSOLUTE
PSIG	POUNDS PER SQUARE INCH – GAGE
PSS	PRIMARY SECONDARY SYSTEM
PSV	PRESSURE SAFETY VALVE
R/E	RETURN OR EXHAUST
RA	RETURN AIR
RAT	RETURN AIR TEMPERATURE
RDS	ROOM DATA SHEETS
REA	RELIEF AIR
RF	RETURN FAN
RG	RETURN GRILLE
RH	RELATIVE HUMIDITY
RHC	REHEAT COIL
RL	REFRIGERANT LIQUID LINE
RLA	RUN LOAD AMPERE
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION
RTU	ROOF TOP UNIT
RV	RELIEF VALVE
SA	SUPPLY AIR
SAD	SOUND ATTENUATING DEVICE
SAT	SUPPLY AIR TEMPERATURE
SC	SHADING COEFFICIENT
SCFM	STANDARD CUBIC FEET PER MINUTE
SCR	SILICON CONTROLLED RECTIFIER
SD	SMOKE DETECTOR
SD	SUPPLY AIR DIFFUSER
SDPR	SMOKE DAMPER
SDR	SMOKE DAMPER (RETURN)
SDS	SMOKE DAMPER (SUPPLY)
SEN	SENSIBLE HEAT
SF	SUPPLY FAN
SH	STEAM HUMIDIFIER
SHC	STEAM HEATING COIL
SI	SQUARE INCHES
SP	STATIC PRESSURE
SP GR	SPECIFIC GRAVITY
SPD	SUPPLY PROCESS AND DISTRIBUTION
SPRV	STEAM PRESSURE REDUCING VALVE
SPS	STATIC PRESSURE SENSOR
SQ FT	SQUARE FOOT (FEET)
SR	SUPPLY AIR REGISTER
SS	STAINLESS STEEL
SSR	SOLID SEPARATOR
ST	STEAM TRAP
SV	STEAM SAFETY VALVE
SVS	STEAM VENT SILENCER
T & PCV	TEMPERATURE AND PRESSURE CONTROL VALVE
TAB	TESTING, ADJUSTING, BALANCE
TD	TEMPERATURE DIFFERENCE
TDH	TOTAL DYNAMIC HEAD
TDS	TOTAL DISSOLVED SOLIDS
TP	TRAP
TSP	TOTAL STATIC PRESSURE
TSTAT	THERMOSTAT
TU	TERMINAL UNIT
UC	UNDER CUT
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORY
V	VALVE
VAF	VANE-AXIAL FAN
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER (MANUAL OPPOSED BLADE)
VFD	VARIABLE FREQUENCY DRIVE
VHA	VETERANS HEALTH ADMINISTRATION
VI	VIBRATION ISOLATOR
VP	VACUUM PUMP
VPS	VARIABLE PRIMARY SYSTEM
VR	VACUUM (STEAM CONDENSATE) RETURN
VSD	VARIABLE SPEED DRIVE
VUH	VERTICAL UNIT HEATER
W	WATTS
Wb	WET-BULB (TEMPERATURE)
WFCV	WATER FLOW CONTROL VALVE
WFM	WATER FLOWMETER
WFMD	WATER FLOW MEASURING DEVICE
WG	WATER GAGE
WPD	WATER SIDE PRESSURE DROP
XT	EXPANSION TANK
YR	YEAR

MECHANICAL LEGEND

- CO2 — CARBON DIOXIDE SENSOR
- T — THERMOSTAT OR TEMPERATURE SENSOR
- H — HUMIDISTAT OR HUMIDITY SENSOR
- SUPPLY DIFFUSER
- RETURN GRILLE
- EXHAUST GRILLE
- LINEAR SLOT DIFFUSER
- BALANCING DAMPER
- F — FIRE DAMPER
- SD — SMOKE DAMPER
- FS — FIRE / SMOKE DAMPER
- MOTORIZED DAMPER
- ROUND FLEX DUCT
- R — INCLINED RISE, IN DIRECTION OF AIRFLOW
- D — INCLINED DROP, IN DIRECTION OF AIRFLOW
- CONNECT NEW DUCT TO EXISTING
- LIMIT OF DEMOLITION
- VANED ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EVEN IF SYMBOL IS MISSING)
- VANED ELBOW (SHORT RADIUS)
- STANDARD RADIUS ELBOW (LONG RADIUS)
- 10x8 — NEW DUCT (INSIDE DIMENSIONS: WIDTH X DEPTH)
- EXISTING DUCT TO REMAIN
- EXISTING DUCT TO BE DEMOLISHED
- DUCT TRANSITION
- END MOUNTED OR SIDEWALL GRILLE
- SUPPLY — TERMINAL UNIT SUPPLY DUCT BRANCH (CONICAL TAP)
- 45° SUPPLY — STANDARD BRANCH SUPPLY OR RETURN, NO SPLITTER (45° TAP)
- 45° RETURN
- UP DN — SUPPLY DUCT (UP & DOWN)
- UP DN — EXHAUST DUCT (UP & DOWN)
- UP DN — RETURN DUCT (UP & DOWN)
- S-60 — HIGH PRESSURE STEAM PIPING (60 PSI)
- CR-60 — HIGH PRESSURE STEAM CONDENSATE RETURN
- S-30 — MEDIUM PRESSURE STEAM PIPING (16 PSI AND 59 PSI)
- CR-30 — MEDIUM PRESSURE STEAM CONDENSATE RETURN
- S-15 — LOW PRESSURE STEAM PIPING (15 PSI AND BELOW)
- CR-15 — LOW PRESSURE STEAM CONDENSATE RETURN
- CHWS — CHILLED WATER SUPPLY PIPING
- CHWR — CHILLED WATER RETURN PIPING
- HWS — HEATING HOT WATER SUPPLY PIPING
- HWR — HEATING HOT WATER RETURN PIPING
- RLS — REFRIGERANT LINE SET (LIQUID AND SUCTION)
- D — CONDENSATE DRAIN LINE
- PIPE UP
- PIPE DOWN
- BOTTOM CONNECTION
- TOP CONNECTION
- CAPPED OR PLUGGED PIPE
- CONNECT TO EXISTING PIPE
- LIMIT OF DEMOLITION
- GLOBE VALVE
- GATE VALVE
- BALL VALVE
- CHECK VALVE
- STEAM SAFETY VALVE
- PRESSURE REGULATING VALVE
- WYE STRAINER VALVE
- BALANCING VALVE
- MODULATING TWO-WAY CONTROL VALVE
- MODULATING THREE-WAY CONTROL VALVE
- TWO POSITION CONTROL VALVE
- STEAM TRAP
- DRAIN VALVE
- TEST PLUG
- STEAM PRESSURE REDUCING VALVE
- INLINE CENTRIFUGAL PUMP

MECHANICAL DEMOLITION GENERAL NOTES

1. VERIFY EXISTING CONDITIONS PRIOR TO BEGINNING WORK. NOTIFY COR REGARDING CONFLICTS BEFORE PROCEEDING WITH WORK.
2. REMOVED ITEMS REMAIN PROPERTY OF GOVERNMENT UNTIL COR DETERMINES THAT THEY ARE NOT REQUIRED. REMOVE FROM SITE ITEMS NOT BEING RETAINED BY GOVERNMENT OR REINSTALLED AS PART OF THIS WORK.
3. DO NOT DISTURB ITEMS NOT INDICATED FOR DEMOLITION.
4. VERIFY SIZE AND LOCATION OF EXISTING UTILITIES PRIOR TO START OF DEMOLITION. RELOCATE, REMOVE AND ADJUST MECHANICAL AND ELECTRICAL ITEMS AS NECESSARY TO COORDINATE WITH NEW WORK.
5. AFTER DEMOLITION IS COMPLETE, PATCH AND REPAIR FINISHES TO MATCH EXISTING ADJACENT CONDITIONS.
6. COORDINATE DEMOLITION WITH COR. SUBMIT SHUTDOWN PLAN AND SCHEDULE TO COR FOR REVIEW AND APPROVAL.
7. PROTECT EXISTING UTILITIES TO REMAIN FROM DAMAGE DURING DEMOLITION. REPAIR UTILITIES AND SERVICES DAMAGED AT NO ADDITIONAL COST.
8. TEMPORARILY MOVE OR TAKE EQUIPMENT OUT OF SERVICE AS NECESSARY TO COMPLETE WORK.
9. SAWCUT OR CORE DRILL CONCRETE FLOOR AS REQUIRED FOR DEMOLITION WORK INDICATED. COORDINATE WITH NEW MECHANICAL WORK AND WORK OF OTHER TRADES.

MECHANICAL GENERAL NOTES

1. WORK SHALL CONFORM TO APPLICABLE LOCAL, STATE, AND NATIONAL CODES AND APPLICABLE VA STANDARDS.
2. INSTALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS.
3. PROVIDE NEW MATERIALS, EQUIPMENT AND PRODUCTS INCORPORATED IN THE WORK, OF A SUITABLE GRADE FOR THE PURPOSES INTENDED.
4. WHERE POSSIBLE, PROVIDE STANDARD PRODUCTS OF THE VARIOUS MANUFACTURERS EXCEPT WHERE SPECIAL CONSTRUCTION OR PERFORMANCE FEATURES ARE REQUIRED.
5. EQUIPMENT OR MATERIAL DEVIATIONS FROM INDICATED CONTRACT REQUIREMENTS SHALL BE SUBJECT TO THE APPROVAL OF THE COR. SUBMIT PROPOSED EQUIPMENT DEVIATIONS THAT ARE SIMILAR BOTH IN QUALITY AND CAPACITY TO THAT EQUIPMENT SPECIFIED, AS SOLELY DETERMINED BY THE COR.
6. PROVIDE MECHANICAL EQUIPMENT THAT IS LISTED AND LABELED BY UNDERWRITERS LABORATORIES (U.L.).
7. INSTALL EQUIPMENT AS INDICATED, ALLOWING FOR SUFFICIENT ACCESS AND CLEARANCE SPACE FOR EQUIPMENT MAINTENANCE, REPAIRS, AND REPLACEMENT.
8. INSTALL EQUIPMENT WITH PROPER CLEARANCES FOR REQUIRED PIPING AND ELECTRICAL SERVICES AND CONNECTIONS. INSTALL EQUIPMENT WITH REQUIRED ACCESS AND CLEARANCES IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS AND APPLICABLE CODES AND STANDARDS.
9. COORDINATE LOCATION, INSTALLATION, AND ROUTING OF DUCTWORK, PIPING, AND EQUIPMENT WITH WORK OF ALL OTHER TRADES.
10. PROVIDE SUPPORT FOR MECHANICAL EQUIPMENT. COORDINATE SUPPORT LOCATIONS WITH ALL CONTRACTORS PRIOR TO INSTALLATION.
11. PROVIDE POWER CONNECTIONS TO EQUIPMENT PROVIDED UNDER THIS CONTRACT AS WORK OF DIVISION 26.
12. PROVIDE CONTROL WIRING FOR MECHANICAL EQUIPMENT AS WORK OF DIVISION 23.
13. DUCTWORK AND PIPING LAYOUTS AND LOCATIONS ARE SCHEMATIC. DO NOT SCALE THESE DRAWINGS. COORDINATE AND DETERMINE EXACT ROUTING OF DUCTWORK AND PIPING IN THE FIELD.
14. FIELD VERIFY DIMENSIONS BY ACTUAL MEASUREMENT AND OBSERVATION BEFORE ORDERING OR FABRICATING DUCTWORK, PIPING OR EQUIPMENT.
15. NOTIFY COR REGARDING DISCREPANCIES BETWEEN CONTRACT DOCUMENTS AND EXISTING CONDITIONS OR DIMENSIONS BEFORE PERFORMING WORK. FAILURE TO VERIFY AND REPORT SHALL CONSTITUTE CONTRACTOR'S ACCEPTANCE OF EXISTING CONDITIONS AS FIT FOR THE PROPER EXECUTION OF THE WORK.
16. SEE ARCHITECTURAL DRAWINGS FOR FINAL LOCATION OF CEILING INSTALLED EQUIPMENT.
17. INSTALL DUCTWORK AND PIPING AS HIGH AS POSSIBLE AND AS CLOSE AS POSSIBLE TO BUILDING WALLS, CEILING AND FLOOR AND ROOF STRUCTURE. PROVIDE OFFSETS, FITTINGS, AND DIMENSIONAL TRANSITIONS NOT SHOWN BUT REQUIRED TO MAINTAIN MINIMUM CLEAR SPACE TO BUILDING SURFACES AT NO ADDITIONAL COST.
18. PATCH, PAINT AND CLEAN SURFACES SUSTAINING DAMAGE ASSOCIATED WITH MECHANICAL WORK OF THIS CONTRACT, UNLESS NOTED OTHERWISE.
19. SUBMIT BOUND SET OF OPERATING AND MAINTENANCE INSTRUCTIONS FOR EQUIPMENT AT COMPLETION OF PROJECT.
20. INSTALL ESCUTCHEONS IN ALL PLACES WHERE PIPING PENETRATES A WALL IN AN EXPOSED LOCATION.
21. MAKE A COMPLETE REVIEW OF DRAWINGS, INCLUDING SCHEDULES AND DETAILS, PRIOR TO BEGINNING MECHANICAL SYSTEM INSTALLATION. RESOLVE CONFLICTS WITH COR.
22. DRAWING PLANS, SCHEMATICS, AND DIAGRAMS INDICATE GENERAL LOCATION AND ARRANGEMENT OF PIPING SYSTEMS.
23. 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 NOT ACCEPTABLE UNLESS SPECIFICALLY INDICATED OTHERWISE.
24. INSTALL PIPING FREE OF SAGS AND BENDS.
25. INSTALL PIPING TO ALLOW APPLICATION OF INSULATION.
26. PIPING SHALL NOT BE ROUTED OVER TELECOM OR ELECTRICAL CLOSETS/ROOMS.
27. PREPARE DRAWINGS SHOWING MECHANICAL SYSTEMS AND EQUIPMENT FOR COORDINATION WITH WORK OF OTHER DIVISIONS AND WORK BY THE GOVERNMENT.
    - A. INCLUDE PLAN VIEWS, SECTIONS, AND ELEVATIONS, AS REQUIRED, TO FULLY COORDINATE ALL NEW WORK WITH ITSELF AND EXISTING CONDITIONS.
    - B. DRAWINGS SHALL SHOW, BUT NOT BE LIMITED TO, ALL DUCTWORK, AIR DISTRIBUTION, MECHANICAL EQUIPMENT, MECHANICAL PIPING, FIRE PROTECTION PIPING, PLUMBING PIPING, CABLE TRAYS, LIGHTING FIXTURES, CEILING GRID AND HEIGHT, BEAMS AND JOISTS (WITH ELEVATIONS MARKED), ELECTRICAL CONDUIT LARGER THAN 2 INCHES IN DIAMETER AND OTHER CEILING MOUNT DEVICES OR EQUIPMENT THAT PROTRUDE INTO THE CEILING CAVITY.
    - C. IF THERE ARE OUTSTANDING ISSUES THAT CANNOT BE RESOLVED, CONSULT WITH COR FOR GUIDANCE AND MAKE CORRECTIONS IN ACCORDANCE WITH DIRECTIONS GIVEN.
    - D. DO NOT BEGIN FABRICATION OR PLACE EQUIPMENT ORDERS UNTIL COORDINATION DRAWINGS HAVE BEEN APPROVED.
28. INSTALLATION COMMENCED PRIOR TO COORDINATION DRAWING APPROVAL IS TAKEN AT THE CONTRACTORS OWN RISK. MODIFY, MOVE OR RECONFIGURE WORK LACKING COORDINATION AT NO ADDITIONAL COST

WALL RATING LEGEND

- 2 HOUR FIRE SEPARATION
- 1 HOUR FIRE SEPARATION
- SMOKE RATED

SEISMIC PROTECTION NOTE

PROVIDE SEISMIC PROTECTION IN ACCORDANCE WITH SPECIFICATIONS. CONTRACTOR SHALL SUBMIT LOAD CALCULATIONS FOR SIZING OF SWAY BRACING FOR SYSTEMS THAT ARE REQUIRED TO BE PROTECTED AGAINST DAMAGE FROM EARTHQUAKES.

ANNOTATION SYMBOLS

#	NEW WORK KEYNOTE
#	DEMOLITION KEYNOTE
NEW	BOLD TEXT INDICATES NEW ITEM
EXISTING	ITALICIZED TEXT INDICATES EXISTING ITEM
## / #	DETAIL MODULE NUMBER; DETAIL OR SECTION MARK SHOWN ON DRAWING
	CONNECT TO EXISTING
	LIMIT OF DEMOLITION
SD-## ###	DIFFUSER TAG
##-VAV-#	EQUIPMENT TAG

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#	Revisions:	Date

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7/18/2025

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: MECHANICAL GENERAL INFORMATION

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Approved

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

Drawing Number: M-001

Dwg 1 of 5

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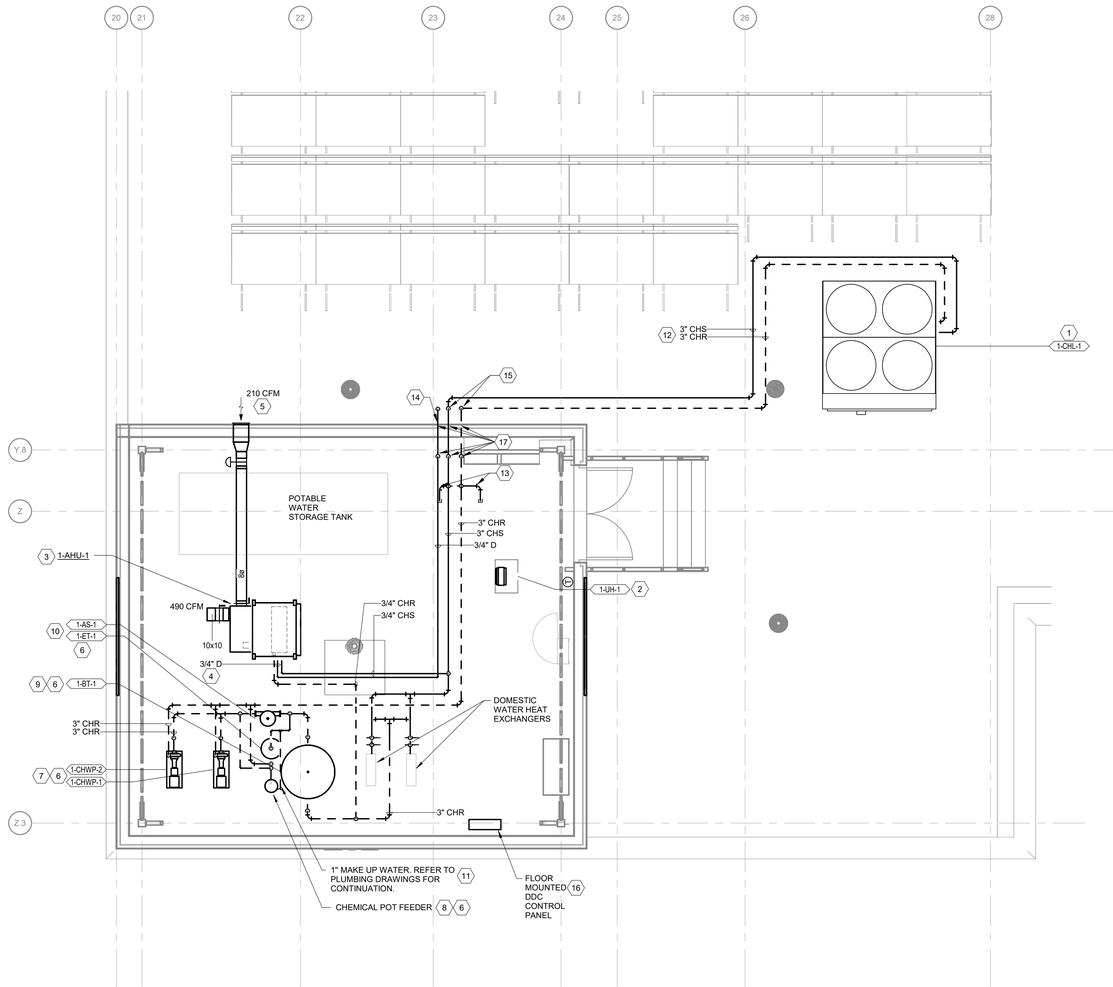


1 ENLARGED THIRD FLOOR PLAN - PENTHOUSE
Scale: 1/4" = 1'-0"

0 4 8 16

NORTH

SHEET NOTES:

A. COORDINATE EQUIPMENT NOMENCLATURE ON EQUIPMENT TAGS WITH THE VA COR. EQUIPMENT NAME MAY BE DIFFERENT THAN SHOWN ON THE DRAWINGS.

B. EQUIPMENT WEIGHTING LESS THAN 100 PSF CAN BE DIRECTLY MOUNTED TO GRATE FLOORING. COORDINATE LOCATION OF EQUIPMENT WITH STRUCTURAL FOR EQUIPMENT WEIGHTING 100 PSF OR MORE.

KEY NOTES:

1 CHILLER SHALL BE MOUNTED ON SPRING ISOLATORS AND SECURED TO SUPPORTS. PROVIDE EQUIPMENT ROOF CURB. REFER TO STRUCTURAL FOR ADDITIONAL INFORMATION ON CHILLER PLACEMENT.

2 PROVIDE ELECTRIC UNIT HEATER SUSPENDED FROM THE STRUCTURE WITH VIBRATION ISOLATION HANGERS. MOUNT THE HEATER BELOW CHILLED AND DOMESTIC WATER PIPING. WALL MOUNTED THERMOSTAT SHALL CYCLE FAN AND HEAT ON BELOW 50 DEG. F AND CYCLE FAN AND HEAT OFF ABOVE 55 DEG. F.

3 PROVIDE FAN COIL UNIT SUSPENDED FROM STRUCTURE WITH VIBRATION ISOLATOR HANGERS. PROVIDE 1/4" WIRE MESH IN A FRAME OVER BOTH RETURN AND SUPPLY OPENINGS.

4 ROUTE DRAIN FROM FCU TO OUTSIDE. DISCHARGE TO SPLASHBLOCK ON ROOF. INSULATE CONDENSATE DRAIN PIPING.

5 12X14 ALUMINUM LOUVER IN WALL WITH 8" DEEP INSULATED PLENUM BEHIND. EXTEND INSULATED OUTSIDE AIR DUCT WITH MOTORIZED DAMPER FROM LOUVER PLENUM TO FCU PLENUM. MOTORIZED DAMPER SHALL OPEN WHEN FAN OPERATES AND CLOSE WHEN FAN IS OFF.

6 BOLT EQUIPMENT SUPPORTS TO GRATE FLOOR.

7 PROVIDE CHILLED WATER PUMPS. INSTALL PER DETAIL 3 / M-501.

8 PROVIDE 5 GAL CHEMICAL POT FEEDER. INSTALL PER DETAIL 9 / M-501.

9 PROVIDE BUFFER TANK. INSTALL PER DETAIL 9 / M-501.

10 PROVIDE EXPANSION TANK AND AIR SEPARATOR. INSTALL PER DETAIL 7 / M-501.

11 INSTALL PER DETAIL 1 / P-502.

12 PROVIDE SELF-REGULATING HEAT TRACE CABLING AT 4 WATTS/FT ON BOTTOM OF CHILLED WATER PIPING INSTALLED OUTDOORS. PROVIDE ROOF EQUIPMENT RAIL.

13 PROVIDE 3" VALVED CONNECTIONS.

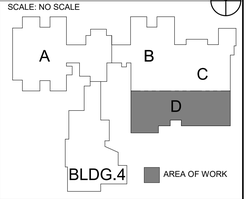
14 TURN CONDENSATE DOWN AND DISCHARGE TO SPLASHBLOCK ON ROOF.

15 THROUGH WALL AND DOWN TO APPROXIMATELY 16" ABOVE ROOF SURFACE.

16 PROVIDE FLOOR MOUNTED DDC CONTROL PANEL.

17 OVERHEAD PIPING DROP TO ABOVE GRATE FLORING AND THROUGH THE WALL.

KEY PLAN
SCALE: NO SCALE



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#	Revisions:	Date

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ENLARGED THIRD FLOOR PLAN - PENTHOUSE

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Approved:

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

Drawing Number: M-401

Dwg 2 of 5

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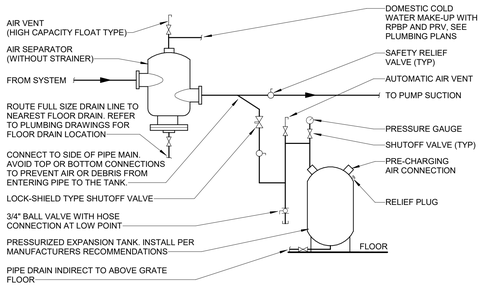
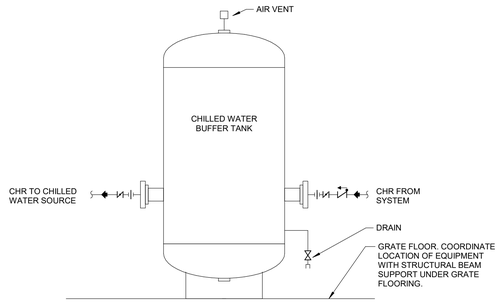


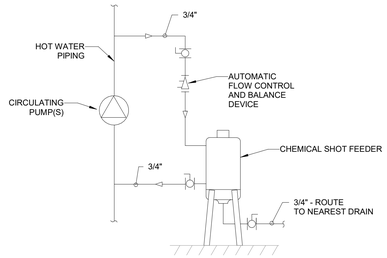
7 AIR SEPARATOR AND EXPANSION TANK PIPING DETAIL

Scale: No Scale



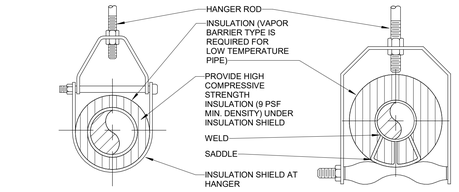
8 CHILLED WATER BUFFER TANK DETAIL

Scale: No Scale



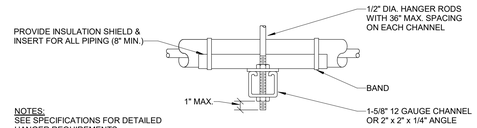
9 CHEMICAL POT FEEDER DETAIL

Scale: No Scale



ADJUSTABLE CLEVIS HANGER TYPE 1 - SEE SPECIFICATIONS

ADJUSTABLE CLEVIS HANGER TYPE 43 - SEE SPECIFICATIONS



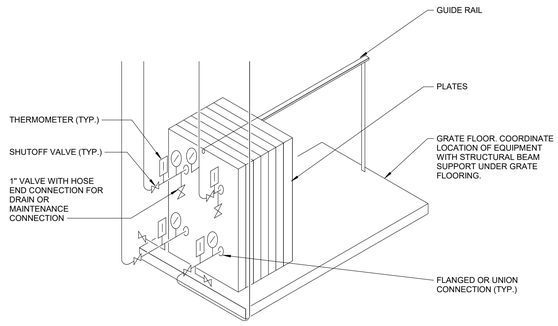
NOTES:
SEE SPECIFICATIONS FOR DETAILED HANGER REQUIREMENTS.

SIDE VIEW TRAPEZE HANGER FOR UP TO 1000 LB. UNIFORM LOAD

MAXIMUM PIPE/TUBING SUPPORT SPACING												
NOM. SIZE (IN.)	THRU 3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12
PIPE (FT.)	7	7	7	9	10	11	12	14	16	17	19	22	23
TUBING (FT.)	5 FT	6	7	8	8	9	10	12	13	14	16	-	-
NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE													

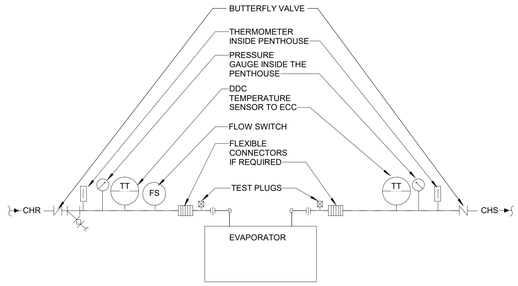
4 PIPE HANGER DETAIL

Scale: No Scale



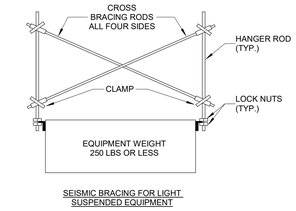
5 PLATE AND FRAME HEAT EXCHANGER

Scale: No Scale



6 AIR COOLED CHILLER - PIPING CONNECTIONS

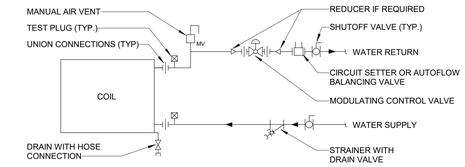
Scale: No Scale



SEISMIC BRACING FOR LIGHT SUSPENDED EQUIPMENT

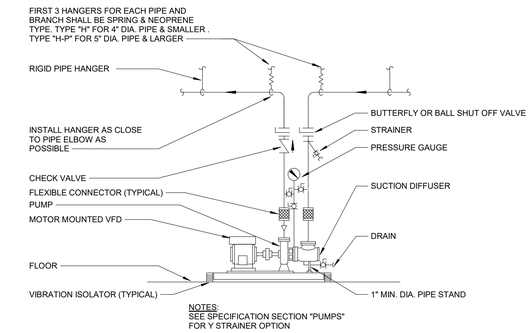
1 SEISMIC BRACING FOR EQUIPMENT

Scale: No Scale



2 COIL PIPING CONNECTION DETAIL

Scale: No Scale



NOTES:
SEE SPECIFICATION SECTION "PUMPS" FOR Y STRAINER OPTION

3 SINGLE SUCTION FLOOR MOUNTED PUMP CONNECTION WITH FLEXIBLE CONNECTORS DETAIL

Scale: No Scale

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#	Revisions:	Date

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: MECHANICAL DETAILS

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

Approved:

Date: JULY 16, 2025 | Checked: SMR | Drawn: SMR

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Drawing Number: M-501

Dwg 3 of 5

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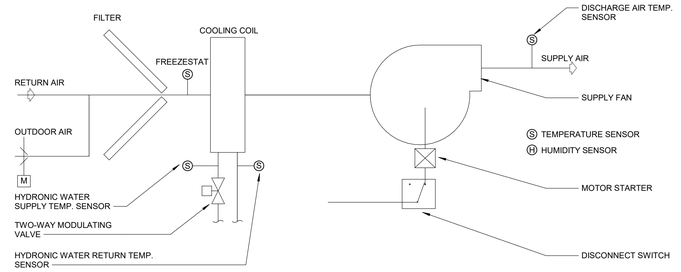

SEQUENCE:

OCCUPIED CYCLE: SUPPLY FAN SHALL CYCLE ON AND MOTORIZED OUTDOOR AIR DAMPER SHALL OPEN. MODULATE THE CHILLED WATER VALVE TO MAINTAIN ROOM TEMPERATURE AT 75°F (ADJ.). CYCLE FAN OFF, CLOSE OUTSIDE AIR DAMPER AND CLOSE CHILLED WATER VALVE WHEN UNOCCUPIED.

DURING UNOCCUPIED CYCLE, FAN SHALL CYCLE ON AND CHILLED WATER VALVE SHALL OPEN FULLY WHEN ROOM TEMPERATURE EXCEEDS 82°F (ADJ.). OUTDOOR AIR DAMPER SHALL BE CLOSED DURING UNOCCUPIED CYCLE. FAN SHALL CYCLE OFF AND CHILLED WATER VALVE SHALL CLOSE WHEN ROOM TEMPERATURE REACHES 77°F (ADJ).

ROOM TEMPERATURE SHALL BE SENSED BY A REMOTE THERMOSTAT.

1 FAN COIL UNIT SEQUENCE

Scale: No Scale

POINT NAME:	HARDWARE POINTS				SOFTWARE POINTS					SHOW ON GRAPHICS
	AI	AO	BI	BO	AV	BV	LOOP	SCHED	TREND	ALARM	
DISCHARGE AIR SUPPLY TEMPERATURE	X								X		X
ROOM / RETURN AIR TEMPERATURE	X								X		X
HYDRONIC VALVE		X									X
MOTORIZED DAMPER				X							X
FAN STATUS			X								X
FAN START / STOP				X							X
ROOM TEMPERATURE SETPOINT					X				X		X
ROOM HUMIDITY	X								X		X
FAN FAILURE	X									X	
FAN RUNNING IN HAND			X							X	
HIGH DISCHARGE AIR TEMP (85 DEG. F ADJ.)										X	
LOW DISCHARGE AIR TEMP (45 DEG. F ADJ.)										X	
HYDRONIC WATER SUPPLY TEMP	X								X		X
HYDRONIC WATER RETURN TEMP	X								X		X
FREEZESTAT			X							X	X
TOTAL POINTS BY TYPE:	6	1	3	2	1	0	0	0	6	5	11
TOTAL HARDWARE (12)					TOTAL SOFTWARE (23)						

2 FAN COIL UNIT POINTS LIST - COOLING ONLY

Scale: No Scale

POINT NAME:	HARDWARE POINTS				SOFTWARE POINTS					SHOW ON GRAPHICS
	AI	AO	BI	BO	AV	BV	LOOP	SCHED	TREND	ALARM	
CHILLER STATUS			X								X
CHILLER START / STOP				X							X
LEAVING CHILLER TEMPERATURE	X								X		X
ENTERING CHILLER TEMPERATURE	X								X		X
CHILLER FAILURE				X						X	
CHILLER SETPOINT TEMP (50 DEG. F ADJ.)					X						X
CHILLER RUNNING IN HAND				X						X	
CHILLER ALARM										X	X
TOTAL POINTS BY TYPE:	2		1	3	1				2	3	6
TOTAL HARDWARE (6)					TOTAL SOFTWARE (11)						

3 AIR COOLED CHILLER POINTS LIST

Scale: No Scale

FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

#	Revisions:	Date

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: MECHANICAL CONTROLS

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

Approved

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VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Drawing Number: M-502

Dwg 4 of 5

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AIR COOLED CHILLER SCHEDULE

MARK	LOCATION	TYPE	FULL LOAD CAP.	# OF COMP	FULL LOAD EFF. (EER)	IPLV (EER)	EVAPORATOR				AMBIENT AIR TEMP	ELECTRICAL				MAX. OPER. WEIGHT	REMARKS
							FLUID FLOW	EWT	LWT	TOTAL PD		MCA	MOCP	VOLTAGE	PHASE		
1-CHL-1	3RD FLR ROOF	SCROLL	57.0 ton	4	10.6	15.6	85 GPM	66 °F	50 °F	3.50 FT	100 °F	130 A	150 A	460 V	3	3600 lb	1, 2, 3, 4, 5, 6, 7

NOTES:
1. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
2. MAX SOUND POWER LEVELS PER OCTAVE BAND: 63 Hz (89dB) - 125 Hz (87 dB) - 250 Hz (87 dB) - 500 Hz (90 dB) - 1 kHz (86 dB) - 2kHz (82 dB) - 4 kHz (78 dB) - 8 kHz (69 dB). WEIGHTED SOUND POWER LEVEL: 91 dBA. WEIGHTED SOUND PRESSURE LEVEL: 64 dBA.
3. PROVIDE WITH BUFFER TANK TO MEET MINIMUM SYSTEM VOLUME.
4. PROVIDE WITH HIGH AND LOW AMBIENT KITS.
5. PROVIDE WITH TAMPERPROOF WIRE-MESH PANELS ON THE BOTTOM PART AND LOUVERED PANELS ON THE CONDENSER SECTION OF THE UNIT.
6. PROVIDE WITH VIBRATION ISOLATORS.
7. BASIS OF DESIGN: YLAA0058HE46XCB.

CHILLED WATER COOLING COIL SCHEDULE

MARK	LOCATION	BUILDING SERVED	SYSTEM AIR HANDLING	MAX FACE VELOCITY	COOLING REQUIREMENTS				CIRCULATING WATER			REMARKS
					MIN SENSIBLE CAPACITY	TOTAL CAPACITY	EAT DB	EAT WB	FLOW, GPM	EWT	WPD, FT	
1-CC-1	INSIDE 1-AHU-1	PENTHOUSE	1-AHU-1	450 FPM	24000	35000	95 °F	76 °F	5	50 °F	20	1

REMARKS:
1. PROVIDE COIL MATERIALS AND CORROSION PROTECTION PER THE SPECIFICATIONS.

BUFFER TANK SCHEDULE

MARK	LOCATION	SYSTEM	MINIMUM NET CAPACITY	TANK SIZE (D X H)	REMARKS
1-BT-1	PENTHOUSE	CHILLED WATER	500 gal	42 IN X 99.5 IN	1

REMARKS:
1. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE WITH BASE AND INTERNAL BAFFLERS.

EXPANSION TANK SCHEDULE

MARK	LOCATION	SYSTEM	TYPE	APPROX. SYSTEM VOLUME (GAL)	SYSTEM TEMPERATURE RANGE		INITIAL PRESSURE IN TANK (PSIG)	MAX OPERATING PRESSURE (PSIG)	FILL PRESSURE AT TANK		MIN VOLUME TANK (GAL)	MIN BLADDER VOLUME (GAL)	PIPE SIZE TO TANK	REMARKS
					MIN TEMP	MAX TEMP			RELIEF VALVE (PSIG)	AT TANK (PSIG)				
1-ET-1	PENTHOUSE	CHILLED WATER	VERTICAL DIAPHRAGM	550	40 °F	100 °F	12	30	40	12	25	20	1"	1

NOTES:
1. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

HYDRONIC PUMP SCHEDULE

MARK	LOCATION	SYSTEM	TYPE	CIRCULATING FLUID				ELECTRICAL MOTOR					REMARKS
				FLUID	FLOW	HEAD	TEMPERATURE	NOMINAL POWER (HP)	PHASE	VOLT	R.P.M.	SPEED CONTROL	
1-CHWP-1	PENTHOUSE	CHILLED WATER	END SUCTION	CHILLED WATER	85 GPM	35 ftH2O	60 °F	3	3	DUAL 208-230/400-460	2000	VARIABLE	1, 2, 3, 4, 5
1-CHWP-2	PENTHOUSE	CHILLED WATER	END SUCTION	CHILLED WATER	85 GPM	35 ftH2O	60 °F	3	3	DUAL 208-230/400-460	2000	VARIABLE	1, 2, 3, 4, 5

NOTES:
1. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
2. PROVIDE CONTROLLER AS REQUIRED TO INTEGRATE INTO EXISTING BUILDING AUTOMATION SYSTEM.
3. PROVIDE PREMIUM EFFICIENCY MOTOR.
4. PROVIDE WITH MOTOR MOUNTED VFD.
5. BOD: BELL & GOSSETT SERIES E-1510X.

ELECTRIC UNIT HEATER SCHEDULE

MARK	LOCATION	AREA AND/OR ROOM SERVED	AIR DELIVERY DATA		ELECTRICAL DATA					FAN MOTOR DATA		REMARKS
			AIRFLOW, CFM	EAT DB	VOLT	PHASE (TXT)	MINIMUM CAPACITY	KW	AMPS	FAN MOTOR HP	FAN MOTOR RPM	
1-UH-1	PENTHOUSE	PENTHOUSE	350	60 °F	480	3	10200 Btu/h	3000 W	3.6	1/100	1600	1

NOTES:
1. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

COOLING ONLY BLOWER COIL UNIT SCHEDULE

MARK	LOCATION	AIRLFOW	EXTERNAL AIR PRESSURE DROP	COOLING COIL MARK	MERV RATING	FAN MOTOR					WEIGHT, LB	REMARKS
						POWER (HP)	VOLT	PHASE	R.P.M.	SPEED CONTROL		
1-AHU-1	3RD FLR ROOF PENTHOUSE	700 CFM	1.00 in-wg	1-CC-1	8	1	460	3	1750	VARIABLE	145	1, 2, 3, 4

REMARKS:
1. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
2. PROVIDE WITH ECM MOTOR AND FAN SPEED CONTROLLER.
3. PROVIDE WITH ISOLATOR HANGERS AND FILTER RACK.
4. BOD: TRANE BCHE036.

AIR SEPARATOR SCHEDULE

MARK	LOCATION	SYSTEM AND/OR SERVICE	TYPE	SIZE	FLOW	WPD	BUILT-IN STRAINER REQUIRED	REMARKS
1-AS-1	PENTHOUSE	CHILLED WATER	TANGENTIAL	3"	155.0 GPM	1 ftH2O	Yes	1

NOTES:
1. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

#	Revisions:	Date

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: MECHANICAL SCHEDULES

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

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Drawing Number: M-601

Dwg 5 of 5

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GENERAL FIRE ALARM NOTES

1. PROVIDE FIRE ALARM SYSTEM AND COMPONENTS COMPLYING WITH THE LATEST:
   - A. NFPA 13- STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS.
   - B. NFPA 14- STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEM.
   - C. NFPA 20- STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION.
   - D. NFPA 70 NATIONAL ELECTRICAL CODE.
   - E. NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE.
   - F. NFPA 90A STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTILATING SYSTEMS.
   - G. NFPA 101 LIFE SAFETY CODE.
   - H. VA FIRE PROTECTION DESIGN MANUAL.
   - I. ANSI S3.41 AUDIBLE EMERGENCY EVACUATION SIGNAL.
2. FIRE ALARM SYSTEM SHALL COMPLY WITH FACTORY MUTUAL RESEARCH CORPORATION (FM).
3. PROVIDE FIRE ALARM WIRING IN CONDUIT, FACTORY PAINTED RED.
4. BEFORE STARTING WORK, TEST EXISTING FIRE ALARM SYSTEM IN WORK AREA AND ADJACENT AREAS.
5. NOTIFY COR REGARDING DEFICIENCIES AND NON-OPERATING COMPONENTS. VA WILL MAKE REPAIRS.
6. CONTRACTOR TO ENSURE THAT ALL NEW FIRE ALARM SPEAKERS, TONES, AND STROBES ARE IN-SYNC WITH ALL ADJACENT AREAS BEYOND THE AREA OF WORK. WHEN WORK IS COMPLETE, TEST EXISTING FIRE ALARM SYSTEM IN WORK AREA AND ADJACENT AREAS.
7. MAKE REPAIRS TO RESOLVE INCORRECT SYSTEM OPERATIONS AT NO ADDITIONAL COST.
8. THE FIRE ALARM SYSTEM VENDOR/CONTRACTOR SHALL TERMINATE, TEST AND PROGRAM ALL NEW FIRE ALARM DEVICES. COORDINATE WITH COR.
9. CONNECT SPRINKLER SYSTEM SUPERVISORY DEVICES TO THE FIRE ALARM SYSTEM. COORDINATE LOCATION WITH THE SPRINKLER CONTRACTOR.
10. CONNECT ALL ELECTROMAGNETIC DOOR HOLD OPEN DEVICES TO THE FIRE ALARM SYSTEM. COORDINATE WITH THE DOOR HARDWARE CONTRACTOR.
11. PROVIDE RELAY CONTROL MODULES FOR PACS, COORDINATE WITH PHYSICAL ACCESS CONTROL SYSTEM (PACS), CONTRACTOR AND COR.
12. PROVIDE RELAY CONTROL MODULES FOR COOKING POWER SUPPLY SHUT OFF.
13. PROVIDE RELAY CONTROL MODULES FOR KITCHEN HOOD FIRE SUPPRESSION SYSTEM.
14. THE OPERABLE PART OF A MANUAL ACTUATED ALARM INITIATING DEVICE SHALL BE NOT LESS THAN 42" (1.07M) AND NOT MORE THAN 48" (1.22M) FROM FINISH FLOOR.
15. FOR LOCATION (CORRIDOR, ROOM OR ADJACENT SPACE) WITH TWO OR MORE VISIBLE FIRE ALARM NOTIFICATION APPLIANCES WITHIN THE FIELD OF VIEW, PROGRAM VISIBLE TO FLASH IN SYNCHRONIZATION.
16. PROVIDE SUPERVISORY SIGNAL FROM CLEAN AGENT SYSTEM RELEASE PANEL.

FIRE ALARM SYMBOLS

SYMBOL	HEIGHT	DESCRIPTION	
S	90"	FIRE ALARM SPEAKER	
cd	90"	FIRE ALARM STROBE	XX - cd
cd S	90"	FIRE ALARM SPEAKER AND STROBE	XX - cd XX - W
F	42"	FIRE ALARM PULL STATION	
S		FIRE ALARM DUCT DETECTOR	

ALL HEIGHTS ARE TO CENTER OF DEVICE UNLESS NOTED OTHERWISE.
TOP: HEIGHT TO TOP OF DEVICE (PER NFPA 72, SECTION 10.4.4)
ANY HEIGHTS INDICATED IN PLANS SHALL SUPERSEDE THOSE LISTED HERE.

LIGHTNING PROTECTION SYMBOL LEGEND

SYMBOL	DESCRIPTION
	LIGHTNING PROTECTION CONDUCTOR
	LIGHTNING PROTECTION AIR TERMINAL
	LIGHTNING PROTECTION GROUND ROD
	LIGHTNING PROTECTION DOWN CONDUCTOR

ELECTRICAL ABBREVIATIONS LIST

1P	1 POLE (2P, 3P, 4P, ETC.)
1PH	1 PHASE
2/C	TWO-CONDUCTOR (3/C, 4/C, ETC.)
2W	TWO-WIRE (3W, 4W, ETC.)
3PH	3 PHASE
A	AMPERE
AAP	ALARM ANNUNCIATOR PANEL
AC	ABOVE COUNTER
	AIR CONDITIONER
	ALTERNATING CURRENT
ACC	ACCESSIBLE
ACLG	ABOVE CEILING
ADO	AUTOMATIC DOOR OPENER
A/E	ARCHITECT/ENGINEER
AF	AMP FRAME
AFC	AVAILABLE FAULT CURRENT (KILOAMPS)
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
ALT	ALTERNATE
AMP	AMPERE
APPROX	APPROXIMATELY
ARCH	ARCHITECT, ARCHITECTURAL
AT	AMP TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AUX	AUXILIARY
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
BATT	BATTERY
BC	BARE COPPER
BD	BOARD
BFF	BELOW FINISHED FLOOR
BLDG	BUILDING
BMS	BUILDING MANAGEMENT SYSTEM
BYP	BYPASS
C	CONDUIT
CAB	CABINET
CALC	CALCULATED
CAP	CAPACITY
CAT	CATALOG, CATEGORY
CATV	COMMUNITY ANTENNA TELEVISION
CB	CIRCUIT BREAKER
CCR	CONTROL CONTACTOR
CCT	CORRELATED COLOR TEMPERATURE
CCTV	CLOSED CIRCUIT TELEVISION
cd	CANDELA
CD	CONSTRUCTION DOCUMENTS
CF	CONTRACTOR-FURNISHED
CKT	CIRCUIT
CLG	CEILING
CO	CONTRACTING OFFICER
COAX	COAXIAL CABLE
COMM	COMMUNICATION
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUATION OR CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
COR	CONTRACTING OFFICER'S REPRESENTATIVE
CPT	CONTROL POWER TRANSFORMER
CRI	COLOR RENDERING INDEX
CT	CURRENT TRANSFORMER
CTV	CABLE TELEVISION
CTR	CENTER
CU	COPPER
CU FT	CUBIC FEET
D	DEMOLITION
dB	DECIBEL
DB	DIRECT BURIAL
DC	DIRECT CURRENT
DEG C	DEGREES CELSIUS
DEG F	DEGREES FAHRENHEIT
DEMO	DEMOLISH/DEMOLITION
DEPT	DEPARTMENT
DIA	DIAMETER
DISC	DISCONNECT
DIST	DISTRIBUTION
DN	DOWN
DS	SAFETY DISCONNECT SWITCH
DT	DOUBLE THROW
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
EG	EQUIPMENT GROUND
ELEC	ELECTRIC, ELECTRICAL
ELEV	ELEVATOR
EM	EMERGENCY
EMI	ELECTROMAGNETIC INTERFERENCE
EMS	ENERGY MANAGEMENT SYSTEM
EMT	ELECTRICAL METALLIC TUBING
EPO	EMERGENCY POWER OFF
EQUIP	EQUIPMENT
ESMT	EASEMENT
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WALL HEATER
	ELECTRIC WATER HEATER
E	EXISTING
EXP	EXPLOSION PROOF
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FC	FOOTCANDLE
FCU	FAN COIL UNIT
FIXT	FIXTURE
FLR	FLOOR
FPN	FUSED PER NAMEPLATE
FU	FUSE
FUSD	FUSED SAFETY DISCONNECT SWITCH
FVR	FULL VOLTAGE REVERSING
FVNR	FULL VOLTAGE NON-REVERSING
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
GRS	GALVANIZED RIGID STEEL (CONDUIT)
GYP BD	GYPSUM BOARD
HID	HIGH-INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HT	HEIGHT
HTR	HEATER
HV	HIGH VOLTAGE
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HW	HARD WIRED
IES	ILLUMINATION ENGINEERING SOCIETY
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
IR	INFRARED
I/W	INTERLOCK WITH
IWH	INSTANTANEOUS WATER HEATER
J-BOX	JUNCTION BOX
KV	KILOVOLT
KVA	KILOVOLT-AMPERE
KVAR	KILOVOLT-AMPERE REACTIVE
KW	KILOWATT
KWH	KILOWATT HOUR
LED	LIGHT-EMITTING DIODE
LF	LINEAR FEET/FOOT
LM	LUMEN
LRA	LOCKED ROTOR AMPS
LT	LIGHT
LTG	LIGHTING
LTNG	LIGHTNING
LV	LOW VOLTAGE
MATV	MASTER ANTENNA TELEVISION SYSTEM
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
	METAL-CLAD (CONDUIT)
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANEL
MECH	MECHANICAL
MFR	MANUFACTURER
MFS	MAIN FUSED DISCONNECT SWITCH
MH	MANHOLE
MIC	MICROPHONE
MIN	MINIMUM
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MOA	MULTIOUTLET ASSEMBLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MSBD	MAIN SWITCHBOARD
MT	MOUNT
MV	MEDIUM VOLTAGE
MTR	MOTOR, MOTORIZED
MTS	MANUAL TRANSFER SWITCH
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NFSD	NON-FUSED SAFETY DISCONNECT SWITCH
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OL	OVERLOAD
PA	PUBLIC ADDRESS
PB	PULL BOX OR PUSHBUTTON
PBPU	PREFABRICATED BEDSIDE PATIENT UNIT
PCB	POLYCHLORINATED BIPHENYL
PC	PHOTOELECTRIC CELL
PDU	POWER DISTRIBUTION UNIT
PED	PEDESTAL
PEND	PENDANT
PF	POWER FACTOR
PH	PHASE
PIV	POST INDICATING VALVE
PNL	PANEL
POE	POWER-OVER-ETHERNET
PR	PAIR
PRI	PRIMARY
PROJ	PROJECTION
PRV	POWER ROOF VENTILATOR
PT	POTENTIAL TRANSFORMER
PV	PHOTOVOLTAIC
PVC	POLYVINYL CHLORIDE (CONDUIT)
PWR	POWER
QTY	QUANTITY
RL	RELOCATE/RELOCATED
RCP	REFLECTED CEILING PLAN
RCPT	RECEPTACLE
REQD	REQUIRED
RGS	RIGID GALVANIZED STEEL
RM	ROOM
RMS	ROOT MEAN SQUARE
RTU	ROOF TOP UNIT
SC	SURFACE CONDUIT
SEC	SECONDARY
SF	SQUARE FEET/FOOT
SHT	SHEET
SI	INTERNATIONAL SYSTEM OF UNITS
SIM	SIMILAR
S/N	SOLID NEUTRAL
SPEC	SPECIFICATION
SPKR	SPEAKER
SP	SPARE
SR	SURFACE RACEWAY
SS	STAINLESS STEEL
SSTV	SECURITY SURVEILLANCE TELEVISION
SSW	SELECTOR SWITCH
STD	STANDARD
SURF	SURFACE MOUNTED
SW	SWITCH
SWBD	SWITCHBOARD
SYM	SYMMETRICAL
SYS	SYSTEM
TC	TIMECLOCK
TEL	TELEPHONE
TEL/DATA	TELEPHONE/DATA
TERM	TERMINAL
TP	TWISTED PAIR
TPS	TWISTED PAIR SHIELDED
TR	TAMPER RESISTANT
T-STAT	THERMOSTAT
TTB	TELEPHONE TERMINAL BOARD
TTC	TELEPHONE TERMINAL CABINET
TV	TELEVISION
TYP	TYPICAL
UC	UNDER COUNTER
UE	UNDERGROUND ELECTRICAL
UG	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITER'S LABORATORY
UT	UNDERGROUND TELEPHONE
UTP	UNSHIELDED TWISTED PAIR
UTIL	UTILITY
UV	UNIT VENTILATOR OR ULTRAVIOLET
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLT
VA	VOLT-AMPERES
VAMC	VETERANS ADMINISTRATION MEDICAL CENTER
VD	VOLTAGE DROP
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VOL	VOLUME
W	WATT
W/	WITH
WH	WATER HEATER
W/O	WITHOUT
WP	WEATHER-PROTECTED
XFMR	TRANSFORMER
XFR	TRANSFER
´	ANGLE
@	AT
∆	DELTA
'	FEET
"	INCHES
#	NUMBER
Φ	PHASE
℄	CENTER LINE
⏍	PLATE

LIGHTING SYMBOL LEGEND

SYMBOL	HEIGHT AFF *	DESCRIPTION
	---	2' X 2' RECESSED ARCHITECTURAL TROFFER
	---	2' X 4' RECESSED ARCHITECTURAL TROFFER
	---	2' X 4' RECESSED FLAT LENS TROFFER
	7'-0" CENTER	2' LINEAR - WALL MOUNTED
	7'-0" CENTER	4' LINEAR - WALL MOUNTED
	---	4' LINEAR STRIP - SUSPENDED
	---	6" DIAMETER RECESSED DOWNLIGHT
	7'-5" BOTTOM	EXIT SIGN - WALL MOUNTED
	---	EXIT SIGN - CEILING MOUNTED
	7'-6" CENTER	EMERGENCY LIGHT BATTERY OPERATED - WALL MOUNTED
	6'-0" CENTER	WALL SCONCE
$	48" CENTER	SINGLE POLE WALL SWITCH
		SWITCH MODIFIERS: OS: OCCUPANCY SENSOR, LOW VOLTAGE, DUAL TECHNOLOGY VS: VACANCY SENSOR, LOW VOLTAGE, DUAL TECHNOLOGY DR: DUAL RELAY VSD: VACANCY SENSOR, LINE VOLTAGE, DIMMER OSD: OCCUPANCY SENSOR, LINE VOLTAGE, DIMMER LV: LOW VOLTAGE LVD: LOW VOLTAGE DIMMER D: LINE VOLTAGE DIMMER T: DIGITAL TIMER K: KEYED 3: 3 WAY 4: 4 WAY
OS	---	OCCUPANCY SENSOR, LOW VOLTAGE, DUAL TECHNOLOGY - CEILING MOUNTED
OS	---	OCCUPANCY SENSOR, LOW VOLTAGE, DUAL TECHNOLOGY - WALL/CORNER MOUNTED
RC	---	LOW VOLTAGE LIGHTING CONTROL DEVICE
RCD	---	LOW VOLTAGE LIGHTING CONTROL DEVICE WITH 0-10V DIMMING
LS	---	LIGHT LEVEL SENSOR, SINGLE ZONE DIMMING CLOSED LOOP - CEILING MOUNTED

* - ANY HEIGHTS INDICATED IN PLANS SHALL SUPERSEDE THOSE LISTED HERE.

ELECTRICAL SYMBOL LEGEND

SYMBOL	HEIGHT	DESCRIPTION
	18"	120V SIMPLEX RECEPTACLE
	18"	120V DUPLEX RECEPTACLE
	18"	120V DUPLEX RECEPTACLE EMERGENCY OUTLET AND COVER PLATE SHALL BE RED IN COLOR
	18"	120V QUADRUPLEX RECEPTACLE
	18"	120V QUADRUPLEX RECEPTACLE EMERGENCY OUTLET AND COVER PLATE SHALL BE RED IN COLOR
	18"	208V DUPLEX RECEPTACLE
	18"	SPECIAL RECEPTACLE
		120V DUPLEX RECEPTACLE FLOOR BOX
		120V DUPLEX RECEPTACLE EMERGENCY FLOOR BOX OUTLET AND COVER PLATE SHALL BE RED IN COLOR
		120V QUADRUPLEX RECEPTACLE FLOOR BOX
		120V QUADRUPLEX RECEPTACLE EMERGENCY FLOOR BOX OUTLET AND COVER PLATE SHALL BE RED IN COLOR RECEPTACLE MODIFIERS: AC: 3" ABOVE COUNTERTOP/BACKSPLASH GFI: GROUND FAULT CURRENT INTERRUPTER WP: WEATHERPROOF ENCLOSURE DED: DEDICATED CIRCUIT
J	AS NOTED	JUNCTION BOX, WALL MOUNTED, PURPOSE AS NOTED
J CLNG		JUNCTION BOX, CEILING MOUNTED, PURPOSE AS NOTED
J		JUNCTION BOX, FLOOR MOUNTED, PURPOSE AS NOTED
E	AS NOTED	EQUIPMENT CONNECTION
	72" TOP	DISCONNECT SWITCH NON-FUSED
	72" TOP	DISCONNECT SWITCH FUSED
$	48"	SINGLE POLE WALL SWITCH: 48" AFF STANDARD UNO
		SWITCH MODIFIERS: M: MOTOR-RATED
VFD	AS NOTED	VARIABLE FREQUENCY DRIVE
M	AS NOTED	MOTOR

ALL HEIGHTS ARE TO CENTER OF DEVICE UNLESS NOTED OTHERWISE.
TOP: HEIGHT TO TOP OF DEVICE
ANY HEIGHTS INDICATED IN PLANS SHALL SUPERSEDE THOSE LISTED HERE.

ELECTRICAL SYMBOL NOTES

A1 b — THE LIGHTING FIXTURE TYPE IS INDICATED BY AN UPPER CASE LETTER OR AN UPPER CASE LETTER AND NUMBER.
THE SWITCH DESIGNATION (IF NEEDED) IS INDICATED BY A LOWER CASE LETTER.

EXAMPLE: LIGHTING FIXTURE TYPE 'A1' IS CONTROLLED BY SWITCH 'b'.

EXIT SIGNS: STEM INDICATES WALL MOUNTING. NO STEM INDICATES CEILING MOUNTING. SHADED AREA INDICATES ILLUMINATED FACE(S). ARROW INDICATES DIRECTIONAL ARROW ON ILLUMINATED FACE(S).

HALF SHADED LIGHTING FIXTURES SHALL BE DESIGNATED AS EMERGENCY.

E1 — EXAMPLE 1: WALL MOUNTED EXIT SIGN TYPE 'E1' WITH SINGLE FACE AND DIRECTIONAL ARROW.

E2 — EXAMPLE 2: CEILING MOUNTED EXIT SIGN TYPE 'E2' WITH DOUBLE FACE AND DIRECTIONAL ARROWS.

DEVICES: THE SWITCH DESIGNATION IS INDICATED BY A LOWER CASE LETTER.

c — EXAMPLE: SPLIT DUPLEX RECEPTACLE; ONE RECEPTACLE OUTLET IS CONTROLLED BY SWITCH 'c'.

THE CONTROL DEVICE DESIGNATION IS INDICATED BY A LOWER CASE LETTER.

d — EXAMPLE: SINGLE POLE SWITCH 'd' TO CONTROL LIGHTING FIXTURES INDICATED BY 'd'.

TRANSFORMERS: THE TRANSFORMER TYPE IS INDICATED BY A NUMBER FOLLOWING THE UPPER CASE LETTER 'T'. SEE THE TRANSFORMER SCHEDULE OR THE SINGLE LINE DIAGRAM FOR THE TRANSFORMER DESCRIPTION AND REQUIREMENTS.

T1 — EXAMPLE: TRANSFORMER TYPE 'T1'.

'LPN' — PANELBOARDS: PANELBOARD DOORS MAY BE SHOWN TO INDICATE OPENING SIDE OF RECESSED PANELBOARDS. SEE PANELBOARD IDENTIFICATION FOR DESIGNATION CODES.

— SHEET KEY NOTE: SEE THE SHEET KEY NOTES ON THAT SHEET FOR THE NOTE NUMBER INDICATED IN THE HEXAGON.

— DEMOLITION KEY NOTE: SEE THE SHEET KEY NOTES ON THAT SHEET FOR THE NOTE NUMBER INDICATED IN THE SQUARE.

HOME RUN TO BRANCH CIRCUIT PANEL: THE PANEL DESIGNATION AND CIRCUIT DESIGNATION ARE SHOWN ADJACENT TO THE HOME RUN ARROW.
CIRCUIT BREAKER SIZES (AMPS/NUMBER OF POLES) ARE SHOWN IN THE PANEL SCHEDULE WITH THE CORRESPONDING PANEL AND CIRCUIT DESIGNATION.

'LPN'-1,3,5 — EXAMPLE: HOME RUN TO PANELBOARD 'LPN'; CIRCUITS 1, 3, 5.

SYMBOL NOTATIONS: UPPER CASE LETTERS ADJACENT TO SYMBOLS INDICATE A UNIT TYPE. SEE APPROPRIATE SCHEDULE OR SPECIFICATIONS.

ELECTRICAL GENERAL NOTES

1. ALL ELECTRICAL DEVICES, FIXTURES, EQUIPMENT AND FEEDERS SHALL BE INSTALLED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, THE MANUFACTURER'S RECOMMENDED PROCEDURES, ALL APPLICABLE LOCAL AND STATE CODES, AMERICANS WITH DISABILITIES ACT AND WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND VA STANDARDS.
2. PROVIDE ADDITIONAL SUPPORT FOR DEVICES, FIXTURES, EQUIPMENT AND FEEDERS WHERE THE BUILDING CONSTRUCTION IS NOT SUITABLE FOR DIRECT MOUNTING.
3. FIRESTOP, DRAFTSTOP, SMOKESTOP AND/OR PROTECT THE ANNULAR SPACE AROUND ALL PENETRATIONS THROUGH WALLS, PARTITIONS, FLOORS, CEILING, AND ROOFS IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, UL LISTING REQUIREMENT, SPECIFICATIONS, AND THE APPLICABLE BUILDING CODES.
4. VERIFY CEILING SYSTEMS AND PROVIDE MOUNTING ACCESSORIES, TRIMS AND ALL REQUIRED MOUNTING HARDWARE TO SUIT THE PARTICULAR INSTALLATION.
5. PROTECT EXISTING UNDERGROUND AND BUILDING INTERIOR UTILITIES DURING CONSTRUCTION.
6. BRANCH CIRCUIT CONDUCTORS SHALL BE 12 AWG COPPER MINIMUM.
7. COORDINATE ANY AND ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION SO AS TO AVOID CONFLICT DURING CONSTRUCTION.
8. ALL PANELS SHALL HAVE TYPED, COMPLETED DIRECTORIES INDICATING EQUIPMENT SERVED AND ROOM NUMBER (AS INDICATED ON FINAL BUILDING ROOM SIGNAGE) OF EQUIPMENT LOCATION, OR SPARE, OR SPACE.
9. MANUFACTURER'S NAME AND MODEL NUMBER ARE GIVEN FOR DESCRIPTIVE PURPOSES, TO INDICATE A QUALITY STANDARD, AND ARE NOT INTENDED TO LIMIT PRODUCTS TO A PARTICULAR MANUFACTURER. PRODUCTS DEEMED EQUAL AND APPROVED BY THE DESIGNER WILL BE ACCEPTED. ALL PRODUCTS MUST COMPLY WITH "BUY AMERICAN ACT".
10. ALL FEEDERS AND CIRCUITRY SHALL BE TORQUED PER THE PANEL, BREAKER, AND/OR PARTICULAR EQUIPMENT MANUFACTURER'S SPECIFICATIONS.
11. CIRCUITRY TO SWITCHES, RECEPTACLES, AND ALL OTHER DEVICES SHALL BE TERMINATED ON THE DEVICE'S SCREW TERMINALS.
12. MOUNTING HEIGHTS INDICATED ARE TO CENTER OF DEVICE, OUTLET, FIXTURE, OR EQUIPMENT UNLESS NOTED OTHERWISE.
13. ALL WIRE TERMINATIONS SHALL BE RATED FOR 75 DEGREES C.
14. ALL CONDUCTORS SHALL HAVE THHN/THWN INSULATION, UNLESS OTHERWISE NOTED.
15. ALL CONDUIT SHALL BE RGS OR EMT UNLESS OTHERWISE NOTED. FMC CONDUIT SHALL BE USED ON VIBRATING EQUIPMENT (MAXIMUM LENGTH OF 6 FEET). PVC SHALL BE USED FOR UNDERGROUND CONDUIT OR WHERE CONCRETE-ENCASED. WHERE VIBRATING EQUIPMENT IS LOCATED OUTSIDE, LFMC CONDUIT SHALL BE USED (MAXIMUM SIX FEET) FOR FINAL CONNECTIONS.
16. ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES AND EQUIPMENT SHALL BE LABEL LISTED BY AN APPROVED THIRD PARTY TESTING AGENCY.
17. FOR ALL LED FIXTURES, THE FIXTURE MUST BE CAPABLE OF SELF-RESETTING TO THE SWITCHED/CONTROLLED STATE DURING ANY FLUCTUATION IN POWER SUPPLY WHERE AUTOMATIC PROTECTIVE MEASURES DISABLE THE LED LAMPS. PROVIDE A LETTER OR STATEMENT FROM THE MANUFACTURER, OR OTHER ACCEPTABLE PROOF, THAT ALL LED FIXTURES, WITH OR WITHOUT BROWNOUT PROTECTION, WILL RETURN TO THE SWITCHED/CONTROLLED STATE AUTOMATICALLY. PROVIDE STATEMENT WITH THE FIXTURE SUBMITTALS.
18. IN CASE OF CONFLICTS OR DISCREPANCIES WITHIN OR AMONG THE CONTRACT DRAWINGS, THE BETTER QUALITY, MORE STRINGENT REQUIREMENTS OR GREATER QUANTITY OF WORK , AS DETERMINED BY THE GOVERNMENT, SHALL BE PROVIDED.
19. COMPRESSION COUPLINGS SHALL BE USED. NO SET SCREW FITTINGS ARE ALLOWED.
20. MINIMUM CONDUIT SIZE TO BE USED IS 3/4".
21. FEEDER TAGS APPENDED WITH 'VD' ARE UPSIZED IN AMPACITY DUE TO VOLTAGE DROP.
22. ALL ITEMS AND MATERIALS SHOWN, INDICATED, OR REQUIRED FOR A COMPLETE PROJECT SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR, UNLESS NOTIFIED OTHERWISE.
23. CONTRACTOR SHALL COORDINATE ANY ELECTRICAL SYSTEM REQUIRED SHUTDOWN WITH THE COR TWO WEEKS IN ADVANCE AND CONFIRM 48 HOURS PRIOR.
24. CONTRACTOR SHALL OBTAIN A VA HOSPITAL DIRECTOR ISSUED, HOT WORK PERMIT FROM THE COR OR APPROVED REPRESENTATIVE. CONTRACTOR SHALL OBTAIN THE PERMIT A MINIMUM OF TWO WEEKS PRIOR TO ANY WORK THAT WILL CAUSE A POWER OUTAGE OR WORK THAT IS CONSIDERED "HOT WORK".

GENERAL ELECTRICAL REMODELING NOTES

1. PRIOR TO SUBMITTING PROPOSAL, BIDDER SHALL EXAMINE ALL GENERAL CONSTRUCTION DRAWINGS.
2. CERTAIN REMODELING OF ELECTRICAL FACILITIES WILL BE REQUIRED IN THE EXISTING BUILDING. EXISTING CONDUIT RUNS ARE GENERALLY NOT SHOWN. ALTHOUGH A FULL ATTEMPT HAS BEEN MADE TO SHOW SOME EXISTING CONDITIONS, OF WHICH INFORMATION HAS BEEN TAKEN FROM EXISTING RECORD DRAWINGS OF THIS PROJECT. THE DRAWINGS SHOWING LOCATION OF EXISTING EQUIPMENT, OUTLETS, FIXTURES, ETC., IN EXISTING AREAS ARE APPROXIMATE ONLY (FIELD VERIFY).
3. BRANCH CIRCUITS SHALL BE REUSED WHERE PRACTICAL AND SHALL, IN ADDITION, BE REMODELED AS REQUIRED. THE CONTRACTOR SHALL CONCEAL ALL WORK WHERE POSSIBLE.
4. EXISTING ELECTRICAL WIRING WHICH WILL NOT BE MADE OBSOLETE AND WHICH WILL BE DISTURBED DUE TO CONSTRUCTION CHANGES REQUIRED BY THIS CONTRACT SHALL BE RESTORED TO OPERATING CONDITION, AS REQUIRED AND/OR DIRECTED. WHERE REQUIRED, SHOWN AND/OR DIRECTED, OUTLETS AND CONDUIT RUNS SHALL BE RELOCATED. IN SOME CASES IT MAY BE NECESSARY TO EXTEND CONDUITS AND PULL IN NEW WIRING OR INSTALL JUNCTION BOXES AND SPLICE IN NEW WIRING OR REPLACE OLD WIRING WITH NEW.
5. OUTLETS FROM WHICH FIXTURES, SWITCHES, RECEPTACLES, AND/OR OTHER ELECTRICAL DEVICES ARE MOVED AND WHICH ARE NOT REPLACED OR REUSED SHALL BE REMOVED OR, IF IT IS NOT POSSIBLE TO REMOVE, PLACE A BLANK COVER ON THE OUTLET BOX. WHERE OUTLETS, BOXES, ETC., ARE COMPLETELY REMOVED, THE CONTRACTOR SHALL CUT OFF CONDUITS AND REMOVE WIRING.
6. WHERE EXISTING LIGHT FIXTURES ARE TO BE REUSED, THE ELECTRICAL CONTRACTOR SHALL CLEAN AND REPLACE LAMPS, REPAIR OR REPLACE DEFECTIVE PARTS, LENS, BALLAST, ETC. AS REQUIRED.
7. WHERE CONDUITS EXTENDING THROUGH FLOORS ARE TO BE ABANDONED, THE CONTRACTOR SHALL CUT AND CAP OR PLUG CONDUIT, THAT IT WILL NOT PROTRUDE ABOVE THE FLOOR.
8. WHERE EXISTING CONDUIT IS TO BE ABANDONED, THE CONDUIT SHALL BE REMOVED IF IT IS EXPOSED. IN A CRAWL SPACE OR IN AN ACCESSIBLE CEILING. WHERE IT IS IMPOSSIBLE TO REMOVE THE CONDUIT, IT SHALL BE CUT OFF AND CAPPED OR PLUGGED.
9. THE CONTRACTOR SHALL BE HELD FULLY RESPONSIBLE FOR THE PROPER RESTORATION OF ALL EXISTING SURFACES REQUIRED PATCHING, PLASTERING, PAINTING AND/OR OTHER REPAIR DUE TO THE INSTALLATION OF ELECTRICAL WORK UNDER THE TERMS OF THIS SPECIFICATION. CLOSE ALL OPENINGS. REPAIR ALL SURFACES, ETC., AS REQUIRED. THE CONTRACTOR SHALL EMPLOY QUALIFIED AND EXPERIENCED WORKMEN FOR THIS WORK. ALL RESTORATION WORK SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT AND/OR THE COR/VA.
10. ALL TEMPORARY AND REMODELING WORK SHALL BE CONSIDERED A PART OF THIS CONTRACT AND NO EXTRA CHARGES WILL BE ALLOWED. THIS SHALL INCLUDE MINOR ITEMS OF MATERIAL OR EQUIPMENT NECESSARY TO MEET THE REQUIREMENTS AND INTENT OF THE PROJECT.
11. EXAMINE ARCHITECTURAL, STRUCTURAL, AND MECHANICAL DRAWINGS AND SPECIFICATIONS TO DETERMINE THE SEQUENCE OF CONSTRUCTION THROUGHOUT THE PROJECT, INCLUDING EXISTING, TEMPORARY, REMODELED AND NEW AREAS.
12. ALL ELECTRICAL CONNECTIONS REQUIRING AN OUTAGE SHALL BE MADE DURING AN APPROVED TIME LIMIT. CHANGEOVERS SHALL BE AS SHORT A DURATION AS POSSIBLE AND SHALL NOT INTERFERE WITH NORMAL OPERATION OF THE COR/VA FACILITIES. NOTIFY COR/VA NO LESS THAN 14 DAYS (TWO WEEKS) IN ADVANCE OF A SHUTDOWN OF ANY ELECTRICAL CIRCUIT FOR CHANGEOVER, AND SUCH A CHANGEOVER SHALL BE DONE DURING HOURS AS DIRECTED BY COR/VA. WORK SHALL BE SCHEDULED SO THAT AT NO TIME WILL ANY EMERGENCY FEEDER, CIRCUIT, OR FIRE ALARM ZONE BE OUT OF SERVICE. PROVIDE NECESSARY TEMPORARY FEEDERS TO ACCOMPLISH THIS REQUIREMENT.
13. EXISTING LOW VOLTAGE WIRING WHICH WILL NOT BE MADE OBSOLETE AND WHICH WILL BE DISTURBED DUE TO CONSTRUCTION CHANGES REQUIRED BY THIS CONTRACT SHALL BE RESTORED TO CONDITION, OR POS

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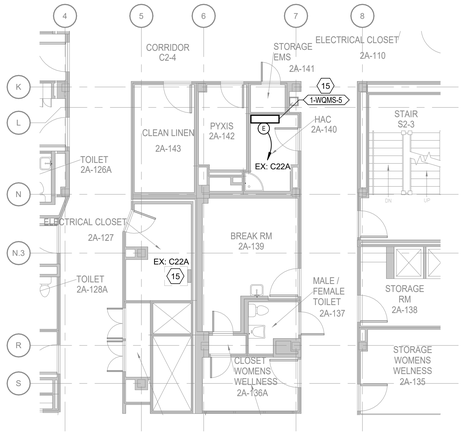
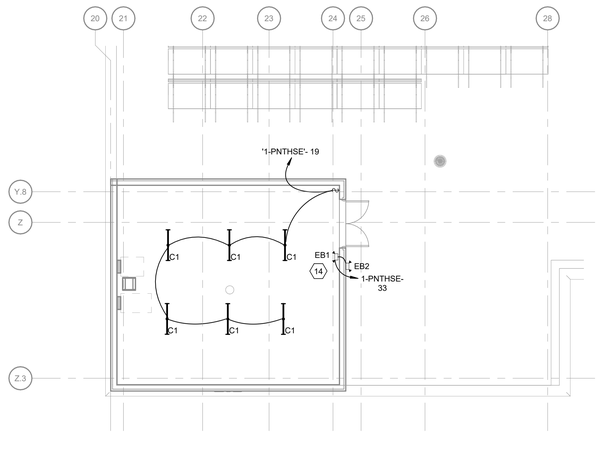


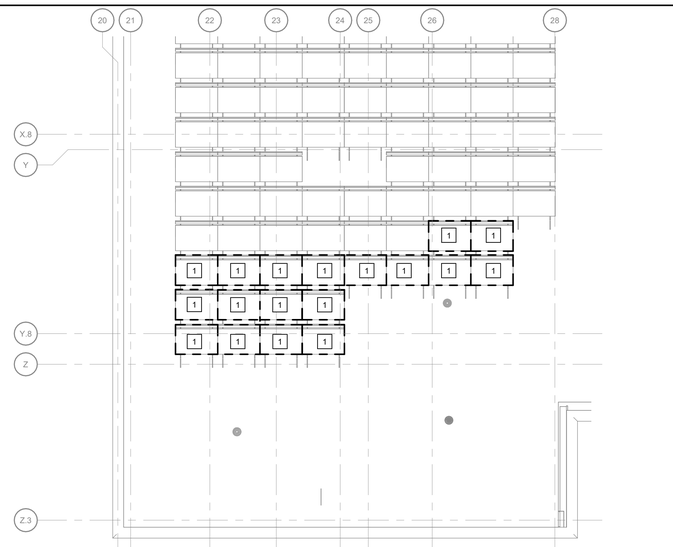
6 BUILDING 1, ROOM 2A-140 POWER PLAN

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



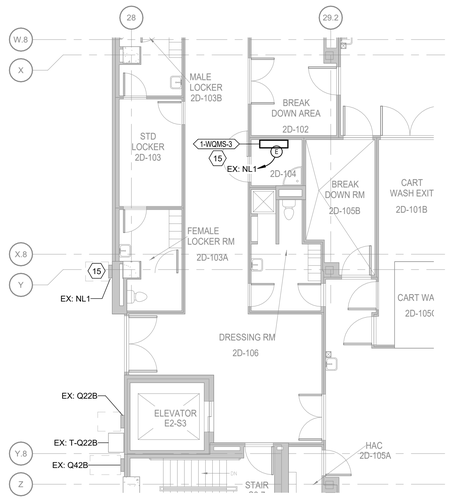
4 BUILDING 1, PENTHOUSE FLOOR LIGHTING PLAN

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



1 BUILDING 1, PENTHOUSE FLOOR DEMOLITION PLAN

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



7 BUILDING 1, ROOM 2D-104 POWER PLAN

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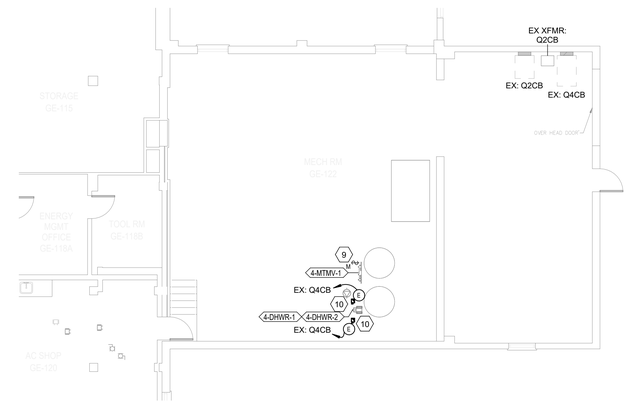
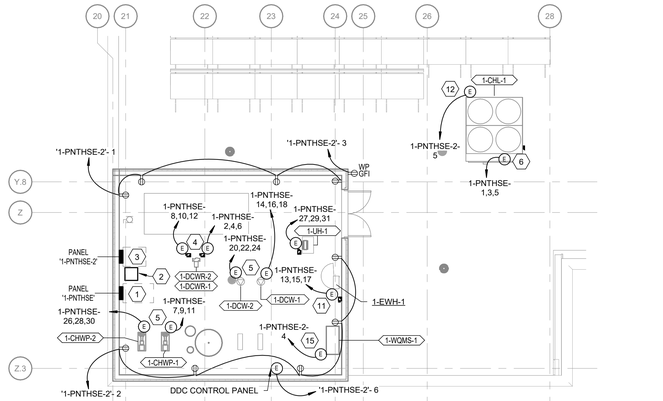


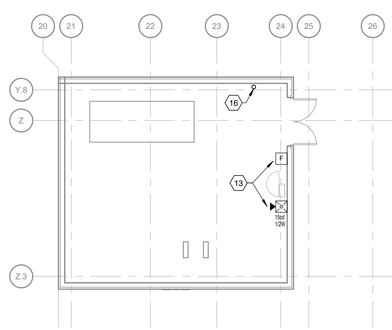
5 BUILDING 4, ROOM GE-122 POWER PLAN

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



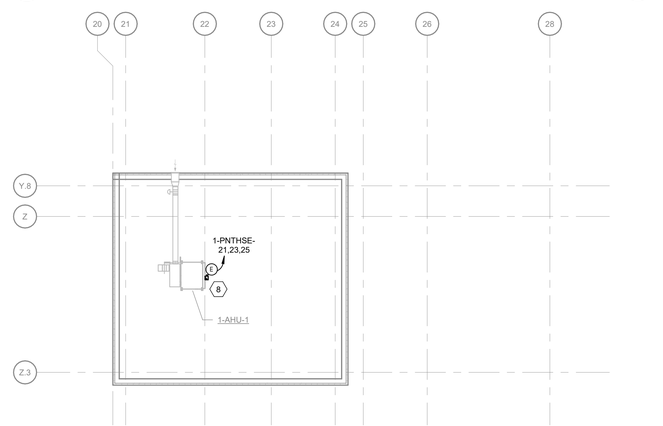
2 BUILDING 1, PENTHOUSE FLOOR POWER PLAN

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



8 BUILDING 1, PENTHOUSE FIRE ALARM PLAN

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



3 BUILDING 1, PENTHOUSE CEILING POWER PLAN

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

SHEET NOTES:

A. ELECTRICAL CONTRACTOR SHALL REMOVE ALL ELECTRICAL CONDUIT, CABLE, WIRING, DEVICES, JUNCTION BOXES, FITTINGS, AND ASSOCIATED ITEMS TO BE REMOVED. ABANDONED CIRCUITS SHALL BE DEMOLISHED BACK TO THEIR SOURCE.

B. ELECTRICAL CONTRACTOR SHALL FOLLOW SITE LOCK-OUT/TAG-OUT GUIDELINES TO DEENERGIZE EQUIPMENT.

C. ELECTRICAL CONTRACTOR TO CONTACT SITE MANAGER FOR DISPOSAL OF ANY REMOVED ELECTRICAL EQUIPMENT.

D. SCHEDULED SHUTDOWNS FOR DEVICE INSTALLATION TO BE APPROVED BY COR.

E. SEE SHEET E-601, SINGLE-LINE POWER RISER DIAGRAM, AND PANEL SCHEDULES FOR MORE INFORMATION ON WORK DETAILED, THIS SHEET.

KEY NOTES:

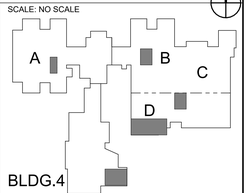
1 EXISTING ROOF MOUNTED PHOTOVOLTAIC (PV) PANELS TO BE REMOVED. REMOVE PANELS, ASSOCIATED MOUNTS, HARDWARE, AND CABLING BACK TO SOURCE. PV PANELS TO BE REMOVED IN SERIES. VERIFY PANELS INDICATED TO BE REMOVED ARE PART OF THE SAME STRING. RE-WIRE PV PANELS TO REMAIN IF NECESSARY TO CREATE STRING OF 18. RETAIN ALL REMOVED SOLAR EQUIPMENT AND PROVIDE BACK TO VA.

KEY NOTES:

1 <varies>
2 PROVIDE ONE 30KVA 480/277V PRIMARY – 208/120V SECONDARY DELTA-WYE TRANSFORMER MOUNTED ON A 4" THICK CONCRETE PAD.
3 PROVIDE ONE 3-PHASE 125A MCB 208/120V SURFACE MOUNTED PANELBOARD. SEE E-601 FOR PANEL SCHEDULE AND SINGLE-LINE DIAGRAM.
4 PROVIDE ONE 30A 3-PHASE 480/277V FUSED DISCONNECT PER WATER PUMP MOUNTED TO UNISTRUT WITHIN REACH OF PUMP. FUSE PER MANUFACTURERS NAMEPLATE.
5 PROVIDE ONE 3-PHASE 480/277V CONNECTION TO VFD FOR WATER PUMPS. SEE DETAIL E-601 FOR ADDITIONAL INFORMATION.
6 PROVIDE ONE 200A 3-PHASE 480/277V NEMA 3R RATED FUSED DISCONNECT. FUSE PER MANUFACTURERS NAMEPLATE.
8 PROVIDE ONE 30A 3-PHASE 480/277V FUSED DISCONNECT. FUSE PER MANUFACTURERS NAMEPLATE.
9 PROVIDE ONE 20A 208/120V MOTOR RATED SWITCH MOUNTED TO MASTER MIXING VALVE'S UNISTRUT MOUNTING ASSEMBLY. SEE E-601 FOR CIRCUITING INFORMATION.
10 PROVIDE ONE 30A 3-PHASE 480/277V FUSED DISCONNECT MOUNTED ON UNISTRUT IN PROXIMITY TO WATER PUMP. FUSE PER MANUFACTURERS NAMEPLATE.
11 PROVIDE ONE 3-PHASE 480/277V CONNECTION TO EMERGENCY EYE WASH STATION WATER HEATER. SEE E-601 FOR ADDITIONAL INFORMATION.
12 PROVIDE ONE SINGLE PHASE 208/120V GFCI PROTECTED CIRCUIT FOR SELF-REGULATING HEAT TRACE INSTALLED ON CHILLED WATER PIPING INSTALLED OUTDOORS.
13 PROVIDE FIRE ALARM SPEAKER STROBE AND PULL HANDLE AND CONNECT TO EXISTING FIRE ALARM CONTROL PANEL IN BUILDING 1.
14 PROVIDE EMERGENCY WALL PACK LIGHT FIXTURE WITH BATTERY BACKUP AND SELF DIAGNOSTICS. SEE LUMINAIRE SCHEDULE ON SHEET E-601 FOR MORE INFORMATION.
15 PROVIDE ONE SINGLE PHASE 20A CIRCUIT TO PROVIDE POWER FOR WATER QUALITY MONITORING STATION.
16 ZONE CONTROL VALVE TO BE TIED INTO EXISTING FIRE ALARM CONTROL PANEL.

KEY PLAN

SCALE: NO SCALE



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100% CONSTRUCTION DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

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7/17/2025

PROJECT MANAGER

ACG Project Number 23-039

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING 1, ELECTRICAL ENLARGEMENTS

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Approved:

Date: JULY 16, 2025 | Checked: KTK | Drawn: WSR

Drawing Number: E-401

Dwg 2 of 5

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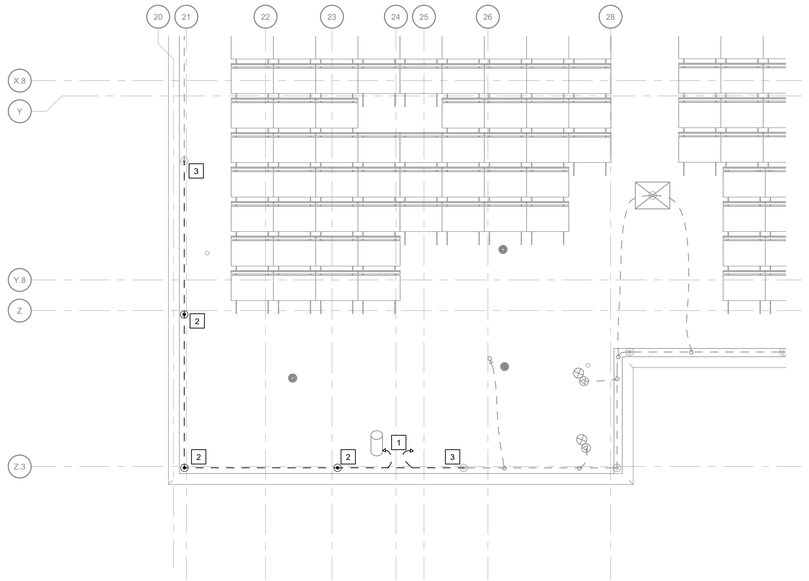
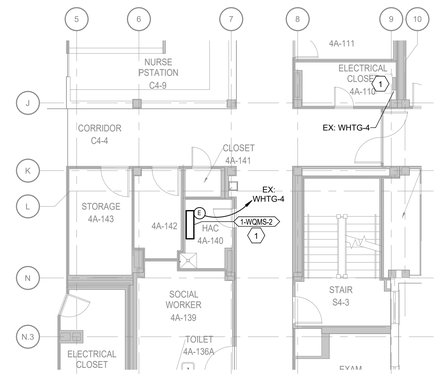
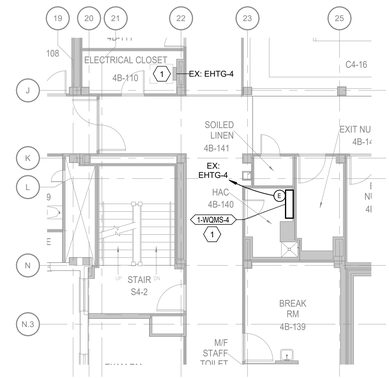


4 BUILDING 1, ROOF LEVEL LIGHTNING PROTECTION DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

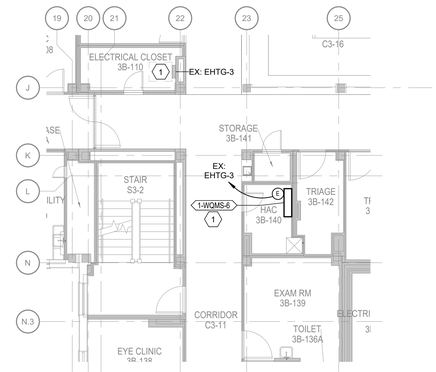


1 BUILDING 1, ROOM 4A-140 POWER PLAN
SCALE: 1/8" = 1'-0"



2 BUILDING 1, ROOM 4B-140 POWER PLAN
SCALE: 1/8" = 1'-0"

5 BUILDING 1, PENTHOUSE ROOF LEVEL LIGHTNING PROTECTION NEW WORK PLAN
SCALE: 1/8" = 1'-0"



3 BUILDING 1, ROOM 3B-140 POWER PLAN
SCALE: 1/8" = 1'-0"

SHEET NOTES:

A. SEE SHEET E-601, SINGLE-LINE POWER RISER DIAGRAM, AND PANEL SCHEDULES FOR MORE INFORMATION ON WORK DETAILED, THIS SHEET.

B. LIGHTNING PROTECTION SYSTEM SHALL BE INSTALLED BY A CERTIFIED LIGHTNING PROTECTION INSTALLATION CONTRACTOR.

C. THE FINAL INSTALLATION SHALL MEET NFPA 780 AND UL96A REQUIREMENTS FOR LIGHTNING PROTECTION SYSTEMS.

D. ACTUAL JOB SITE CONDITIONS MAY NECESSITATE SLIGHT ALTERNATIONS OF AIR TERMINAL AND GROUND LOCATIONS. ANY ALTERATIONS SHALL BE APPROVED BY THE COR PRIOR TO THEIR EXECUTION.

E. CONTRACTOR TO ENSURE AIR TERMINALS CONNECTED TO NEW LIGHTNING PROTECTION FOR THE PENTHOUSE AND ITS EQUIPMENT ARE SERVICEABLE AND MOUNTED SECURELY. DEFICIENCIES TO THE AIR TERMINALS AND CONDUCTORS IN THESE TWO LOCATIONS WILL BE REMEDIED AT NO ADDITIONAL COST TO THE VA.

F. AIR TERMINALS SHALL BE PLACED AROUND THE ROOF PERIMETER OR RIDGE AT 20'-0" MAXIMUM INTERVALS FOR 10" TO 24" AIR TERMINALS AND EXTEND A MINIMUM OF 10" ABOVE THE OBJECT OR AREA IT IS TO PROTECT.

G. AIR TERMINALS SHALL BE PLACED WITHIN 24" FROM THE OUTSIDE EDGES OF THE OBJECT TO BE PROTECTED.

H. ALL ROOF PROJECTIONS AND/OR OBJECTS THAT ARE SUBJECT TO A DIRECT LIGHTNING STRIKE SHALL BE PROVIDED WITH AIR TERMINALS UNLESS THEY ARE LOCATED WITHIN A ZONE OF PROTECTION.

I. METAL BODIES SITUATED WITHIN 6'-0" OF A LIGHTNING PROTECTION CONDUCTOR SHALL BE BONDED TO THE LIGHTNING PROTECTION SYSTEM.

J. ELECTRICAL CONTRACTOR SHALL FOLLOW SITE LOCK-OUT/TAG-OUT GUIDELINES TO DEENERGIZE EQUIPMENT AS REQUIRED.

K. ELECTRICAL CONTRACTOR TO DISPOSE OF REMOVED ELECTRICAL EQUIPMENT.

L. DEVICES AND CONDUCTORS INDICATED WITH DARK DASHED LINES ARE TO BE REMOVED, UNLESS NOTED OTHERWISE. SEE ELECTRICAL SYMBOLS LEGEND ON E-001 FOR REFERENCE.

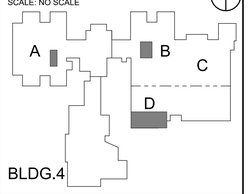
KEY NOTES:

1 DEMOLISH EQUIPMENT BONDS AND LIGHTNING PROTECTION CONDUCTORS FROM EXISTING EXHAUST DUCTING TO BE DEMOLISHED.
2 DEMOLISH EXISTING LIGHTNING PROTECTION AIR TERMINAL AND IDENTIFIED LIGHTNING PROTECTION CONDUCTOR.
3 EXISTING LIGHTNING PROTECTION AIR TERMINAL TO REMAIN. DEMOLISH INDICATED LIGHTNING PROTECTION CONDUCTOR. LIGHTNING PROTECTION INSTALLER TO VERIFY LOCATION AND METHOD OF CONDUCTOR REMOVAL FOR THIS SECTION. CONTRACTOR TO ENSURE THE REMAINING CONDUCTOR AND AIR TERMINAL ARE SERVICEABLE AND SUITABLE FOR NEW LIGHTNING PROTECTION INSTALLATION.

KEY NOTES:

1 PROVIDE ONE SINGLE PHASE 20A CIRCUIT TO PROVIDE POWER FOR WATER QUALITY MONITORING STATION.
2 CONNECT NEW LIGHTNING PROTECTION TO EXISTING LIGHTNING PROTECTION.
3 PROVIDE NEW AIR TERMINALS MOUNTED TO EXTERIOR MOST FOUR CORNERS OF CHILLER.

KEY PLAN
SCALE: NO SCALE



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100% CONSTRUCTION DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

NORTH CAROLINA PROFESSIONAL SEAL 33282 ENGINEER KEVIN T. KUBLANK
7/17/2025

PROJECT MANAGER

APOGEE Engineers | Architects
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ACG Project Number 23-039

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING 1, ELECTRICAL ENLARGEMENTS AND LIGHTNING PROTECTION PLANS

Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Approved:

Date: JULY 16, 2025 | Checked: KTK | Drawn: WSR

Drawing Number: E-402

Dwg 3 of 5

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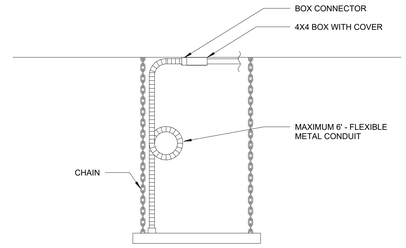
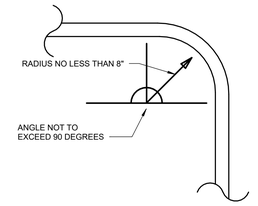
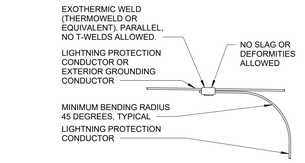


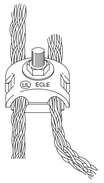
1 CHAIN HUNG LIGHT FIXTURE
SCALE: NO SCALE



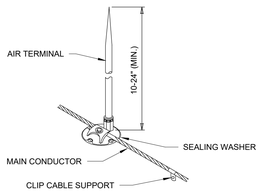
2 BONDING CONDUCTOR BEND RADIUS
SCALE: NO SCALE



3 EXOTHERMIC WELD - WIRE TO WIRE
SCALE: NO SCALE



4 LIGHTNING PROTECTION MECHANICAL BOND
SCALE: NO SCALE



NOTES:

1. SEE SHEET E-001 FOR LEGEND.
2. ALL SPLICES BELOW GRADE SHALL BE THE EXOTHERMIC WELD TYPE.
3. AIR TERMINALS SHALL EXTEND NO LESS THAN 10 INCHES ABOVE THE ROOF OR EQUIPMENT BEING PROTECTED.
4. ALL METAL EQUIPMENT ON THE ROOF SHALL BE BONDED TO THE LIGHTNING PROTECTION SYSTEM.
5. THRU ROOF FLASHING SHALL BE COPPER WITH 8 INCH ROUND BASE AND VERTICAL TUBE WITH NEOPRENE SEAL. FLASHING SHALL BE THE PRODUCT OF THE MANUFACTURER OF THE LIGHTNING PROTECTION SYSTEM. A MEMBRANE FLASHING SHALL BE PROVIDED OVER THE THRU ROOF FLASHING.

5 LIGHTNING PROTECTION AIR TERMINAL
SCALE: NO SCALE

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100% CONSTRUCTION DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

NORTH CAROLINA PROFESSIONAL SEAL 33282 ENGINEER KEVIN T. KUDLAVIK
7/17/2025

PROJECT MANAGER

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ELECTRICAL DETAILS

Location: CAVHCS WEST CAMPUS
215 PERRY HILL RD.
MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1

VA PROJECT NUMBER: 619-23-105

Building Number: # 1

Approved:

Date: JULY 16, 2025 | Checked: KTK | Drawn: WSR

Drawing Number: E-501

Dwg 4 of 5

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EQUIPMENT CONDUCTOR SCHEDULE

TAG	DESCRIPTION	VOLTS	PHASE	LOAD	CONDUCTORS AND CONDUIT	DISCONNECT TYPE	SINGLE LINE TAG
1-CHL-1	CHILLER	460	3	130 A	(3) 1/0 AWG, (1) 6 AWG EG IN 1 1/2" CONDUIT	200A FUSED DISCONNECT	150G
1-AHU-1	AIR HANDLING UNIT	460	3	2 A	(3) 12 AWG, (1) 12 AWG EG IN 1" CONDUIT	30A FUSED DISCONNECT	20G
1-CHWP-1	CHILLED WATER PUMP	460	3	5 A	(3) 12 AWG, (1) 12 AWG EG IN 1" CONDUIT	INTEGRATED VFD	20G
1-CHWP-2	CHILLED WATER PUMP	460	3	5 A	(3) 12 AWG, (1) 12 AWG EG IN 1" CONDUIT	INTEGRATED VFD	20G
1-DCW-1	DOMESTIC COLD WATER PUMP	460	3	3 A	(3) 12 AWG, (1) 12 AWG EG IN 1" CONDUIT	INTEGRATED VFD	20G
1-DCW-2	DOMESTIC COLD WATER PUMP	460	3	3 A	(3) 12 AWG, (1) 12 AWG EG IN 1" CONDUIT	INTEGRATED VFD	20G
1-DCWR-1	DOMESTIC COLD WATER RETURN PUMP	460	3	3 A	(3) 12 AWG, (1) 12 AWG EG IN 1" CONDUIT	30A FUSED DISCONNECT	20G
1-DCWR-2	DOMESTIC COLD WATER RETURN PUMP	460	3	3 A	(3) 12 AWG, (1) 12 AWG EG IN 1" CONDUIT	30A FUSED DISCONNECT	20G
1-EWH-1	EMERGENCY EYE WASH WATER HEATER	460	3	22 A	(3) 10 AWG, (1) 10 AWG EG IN 1" CONDUIT	30A BREAKER	30G
1-UH-1	ELECTRIC UNIT HEATER	460	3	4 A	(1) 12 AWG, (1) 12 AWG EG IN 1" CONDUIT	30A FUSED DISCONNECT	20G
4-DHWR-1	HOT WATER RETURN PUMP	460	3	3 A	(3) 12 AWG, (1) 12 AWG EG IN 1" CONDUIT	30A FUSED DISCONNECT	20G
4-DHWR-2	HOT WATER RETURN PUMP	460	3	3 A	(3) 12 AWG, (1) 12 AWG EG IN 1" CONDUIT	30A FUSED DISCONNECT	20G
4-MTMV-1	MASTER THERMOSTATIC MIXING VALVE	110	1	2 A	(1) 12 AWG, (1) 12AWG NEU, (1) 12 AWG EG IN 1" CONDUIT	20A BREAKER	N/A
1-WQMS-1	WATER QUALITY MONITORING STATION	110	1	2 A	(1) 12 AWG, (1) 12AWG NEU, (1) 12 AWG EG IN 1" CONDUIT	20A BREAKER	N/A
1-WQMS-2	WATER QUALITY MONITORING STATION	110	1	2 A	(1) 12 AWG, (1) 12AWG NEU, (1) 12 AWG EG IN 1" CONDUIT	20A BREAKER	N/A
1-WQMS-3	WATER QUALITY MONITORING STATION	110	1	2 A	(1) 12 AWG, (1) 12AWG NEU, (1) 12 AWG EG IN 1" CONDUIT	20A BREAKER	N/A
1-WQMS-4	WATER QUALITY MONITORING STATION	110	1	2 A	(1) 12 AWG, (1) 12AWG NEU, (1) 12 AWG EG IN 1" CONDUIT	20A BREAKER	N/A
1-WQMS-5	WATER QUALITY MONITORING STATION	110	1	2 A	(1) 12 AWG, (1) 12AWG NEU, (1) 12 AWG EG IN 1" CONDUIT	20A BREAKER	N/A
1-WQMS-6	WATER QUALITY MONITORING STATION	110	1	2 A	(1) 12 AWG, (1) 12AWG NEU, (1) 12 AWG EG IN 1" CONDUIT	20A BREAKER	N/A

LIGHTING FIXTURE SCHEDULE

GENERAL NOTES:

A. MANUFACTURER AND CATALOG NUMBERS SHOWN ARE FOR BASIS OF DESIGN, DESCRIPTIVE AND QUALITY STANDARDS ONLY, NOT TO BE USED FOR ORDERING WITHOUT VERIFICATION AND APPROVAL. CONTRACTOR TO PROVIDE PRODUCT OR EQUAL FOR APPROVAL BY OWNER, ARCHITECT AND ENGINEER. ENGINEER SHALL NOT BE RESPONSIBLE FOR MISMATCHED OR INACCURATE PART NUMBERS.

B. VERIFY ALL LIGHT FIXTURE MOUNTING TYPES AND COLORS WITH THE ARCHITECT.

C. FOR ALL LED FIXTURES, THE FIXTURE SHALL BE CAPABLE OF SELF-RESETTING TO THE SWITCHED/CONTROLLED STATE DURING ANY FLUCTUATION IN POWER SUPPLY WHERE AUTOMATIC PROTECTIVE MEASURES DISABLE THE LED LAMPS. PROVIDE A LETTER OR STATEMENT FROM THE MANUFACTURER, OR OTHER ACCEPTABLE PROOF, THAT ALL LED FIXTURES, WITH OR WITHOUT BROWNOUT PROTECTION SHALL RETURN TO THE SWITCHED/CONTROLLED STATE AUTOMATICALLY. PROVIDE STATEMENT WITH THE FIXTURE SUBMITTALS.

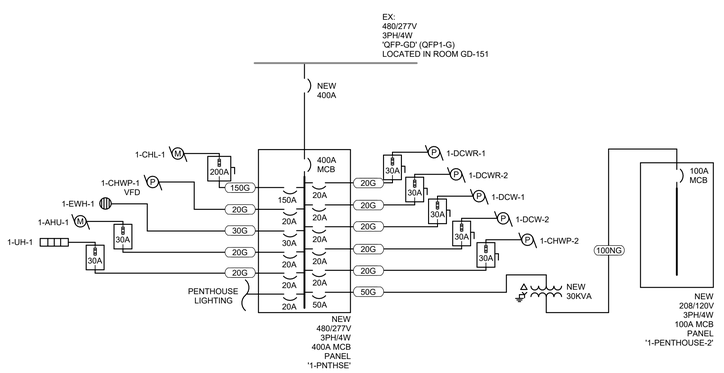
D. LIGHTING CONTROLS, INCLUDING CONTROL SCHEMATICS, DEVICES, SWITCHES, SENSORS AND GRAPHIC DISPLAYS/CONTROLLERS, MUST BE SUBMITTED WITH THE LIGHT FIXTURE SHOP DRAWINGS, FOR A COMPLETE REVIEW.

E. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THE COMPATIBILITY OF THE LIGHTING CONTROLS WITH THE APPROVED LIGHT FIXTURE PACKAGE.

TYPE	DESCRIPTION	MOUNTING	LAMP	DRIVER	VOLTAGE	WATTS	MANUFACTURER	MODEL NUMBER
C1	4' LINEAR LED STRIPLIGHT WITH FROSTED LENS	CHAIN SUSPEND	LED; 4,585 LUMENS; 80 CRI; 4000K	ELECTRONIC LED DRIVER	277.00 V	34 W	LITHONIA	ZL1N L48 5000LM FST MVOLT 40K 80CRI
EB1	DUAL HEAD EMERGENCY LIGHTING UNIT WITH 90 MIN. NICKEL CADMIUM BATTERY BACK UP AND SELF DIAGNOSTICS	SURFACE WALL	LED	---	277.00 V	5 W	LITHONIA	ELM2L LED SDRT
EB2	EXTERIOR DUAL HEAD EMERGENCY LIGHTING UNIT WITH 90 MIN. NICKEL CADMIUM BATTERY BACK UP AND SELF DIAGNOSTICS; INTEGRAL PHOTOCELL CONTROL; DARK BRONZE FINISH	SURFACE WALL	LED	---	277.00 V	16 W	LITHONIA	AFB PEL DDBTXD UVOLT N SDRT WT CW BAA

CONDUCTOR AMPACITY SCHEDULE

TAG	DESCRIPTION
150G	(3) 1/0 AWG, (1) 6 AWG EG IN 1 1/2" CONDUIT
100NG	(3) 1 AWG, (1) 1 AWG NEU, (1) 6 AWG EG IN 1 1/2" CONDUIT
50G	(3) 6 AWG, (1) 10 AWG EG IN 3/4" CONDUIT
30G	(3) 10 AWG, (1) 10 AWG EG IN 3/4" CONDUIT
20G	(3) 12 AWG, (1) 12 AWG EG IN 3/4" CONDUIT



1 **BUILDING 1, PENTHOUSE FLOOR SINGLE LINE POWER DIAGRAM**
SCALE: NO SCALE

PANEL: 1-PNTHSE

BRANCH: EQUIPMENT
PHASE CREATED: New Construction
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
VOLTAGE: 277/480V, 3PH, 4W
MAINS, TYPE: 400 A MAIN CB
SHORT CIRCUIT RATING: 14,000 AMPS SYMMETRICAL

CKT	CIRCUIT DESCRIPTION	TRIP	POLE	A	B	C	A	B	C	POLE	TRIP	CIRCUIT DESCRIPTION	CKT
1				36.01			0.93						2
3	1-CHL-1	150 A	3		36.01			0.93		3	20 A	1-DCWR-1	4
5						36.01			0.93				6
7				1.62			0.93						8
9	1-CHWP-1	20 A	3		1.62			0.93		3	20 A	1-DCWR-2	10
11						1.62			0.93				12
13				6.11			0.93						14
15	1-EWH-1	30 A	3		6.11			0.93		3	20 A	1-DCW-1	16
17						6.11			0.93				18
19	PENTHOUSE LIGHTING	20 A	1	0.20			0.00						20
21					0.53			0.00		3	20 A	1-DCW-2	22
23	1-AHU-1	20 A	3			0.53			0.00				24
25				0.53			1.62						26
27					0.96			1.62		3	20 A	1-CHWP-2	28
29	1-UH-1	20 A	3			0.96			1.62				30
31				0.96			1.62						32
33	EMERGENCY WALL PACK - PENTHOUSE	20 A	1		0.02			0.18		3	50 A	PNL 1-PNTHSE-2	34
35	SPARE	20 A	1			0.00			0.24				36
37	SPARE	20 A	1	0.00			0.00			1	20 A	SPARE	38
39	SPARE	20 A	1		0.00			0.00		1	20 A	SPARE	40
41	SPARE	20 A	1			0.00			0.00	1	20 A	SPARE	42
		TOTAL LOAD:		51.12 kVA			49.81 kVA			49.89 kVA			
		TOTAL AMPS:		185 A			180 A			180 A			

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	DEMAND LOAD	TOTALS
MOTOR/HVAC	149.19 kVA	118.10%	176.20 kVA	
RECEPTACLES (GENERAL)	1.80 kVA	100.00%	1.80 kVA	
LIGHTING (GENERAL)	0.23 kVA	125.00%	0.28 kVA	CONNECTED LOAD: 150.82 kVA
				CONNECTED AMPS: 181 A
				TOTAL DEMAND LOAD: 177.87 kVA
				TOTAL DEMAND AMPS: 214 A

NOTES:

PANEL: 1-PNTHSE-2

BRANCH: EQUIPMENT
PHASE CREATED: New Construction
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
VOLTAGE: 120/208V, 3PH, 4W
MAINS, TYPE: 100 A MAIN CB
SHORT CIRCUIT RATING: 10,000 AMPS SYMMETRICAL

CKT	CIRCUIT DESCRIPTION	TRIP	POLE	A	B	C	A	B	C	POLE	TRIP	CIRCUIT DESCRIPTION	CKT
1	B-1 PENTHOUSE RECEPTACLES	20 A	1	0.72			0.90			1	20 A	EXTERIOR WP-GFI RECEPTACLE	2
3	B-1 PENTHOUSE RECEPTACLES	20 A	1		0.18			0.00		1	20 A	1-WQMS-1	4
5	HEAT TRACE - GFCI	20 A	1			0.24			0.00	1	20 A	DDC CONTROL PANEL	6
7	SPARE	20 A	1	0.00			0.00			1	20 A	SPARE	8
9	SPARE	20 A	1		0.00			0.00		1	20 A	SPARE	10
11	SPARE	20 A	1			0.00			0.00	1	20 A	SPARE	12
13	SPARE	20 A	1	0.00			0.00			1	20 A	SPARE	14
15	SPARE	20 A	1		0.00			0.00		1	20 A	SPARE	16
17	SPARE	20 A	1			0.00			0.00	1	20 A	SPARE	18
19	SPARE	20 A	1	0.00			0.00			1	20 A	SPARE	20
21	SPARE	20 A	1		0.00			0.00		1	20 A	SPARE	22
23	SPARE	20 A	1			0.00			0.00	1	20 A	SPARE	24
25	SPARE	20 A	1	0.00			0.00			1	20 A	SPARE	26
27	SPACE	--	1		--			--		1	--	SPACE	28
29	SPACE	--	1			--			--	1	--	SPACE	30
31	SPACE	--	1	--			--			1	--	SPACE	32
33	SPACE	--	1		--			--		1	--	SPACE	34
35	SPACE	--	1			--			--	1	--	SPACE	36
37	SPACE	--	1	--			--			1	--	SPACE	38
39	SPACE	--	1		--			--		1	--	SPACE	40
41	SPACE	--	1			--			--	1	--	SPACE	42
		TOTAL LOAD:		1.62 kVA			0.18 kVA			0.24 kVA			
		TOTAL AMPS:		14 A			2 A			2 A			

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	DEMAND LOAD	TOTALS
MOTOR/HVAC	0.24 kVA	125.00%	0.30 kVA	
RECEPTACLES (GENERAL)	1.80 kVA	100.00%	1.80 kVA	
				CONNECTED LOAD: 2.00 kVA
				CONNECTED AMPS: 6 A
				TOTAL DEMAND LOAD: 2.05 kVA
				TOTAL DEMAND AMPS: 6 A

NOTES:

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#	Revisions:	Date

CONSULTANTS:

NORTH CAROLINA PROFESSIONAL SEAL 33282 ENGINEER KEVIN T. KUDLAVIK
7/17/2025

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Drawing Title: SINGLE LINE DIAGRAM AND SCHEDULES
Location: CAVHCS WEST CAMPUS 215 PERRY HILL RD. MONTGOMERY, AL 36109

Project Title: LEGIONELLA PLUMBING PROJECT BUILDING 1
Approved
Date: JULY 16, 2025 | Checked: KTK | Drawn: WSR

VA PROJECT NUMBER 619-23-105
Building Number # 1
Drawing Number E-601
Dwg 5 of 5

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