ADDENDUM 4

Addendum #	4	**Date Issued**	January 30, 2026
Project Name | Job #	White Earth Withdrawal Management Facility		20237410
Bid Date | Time	***Thursday, February 5, 2026***		3:00 pm

THIS ADDENDUM AMENDS AND BECOMES PART OF THE CONTRACT DOCUMENTS FOR EAPC PROJECT 20245580 DATED 12/5/2025, RESPECTIVELY. EACH BIDDER SHALL ACKNOWLEDGE RECEIPT OF THIS ADDENDUM BY MARKING THE ADDENDUM NUMBER AND DATE ON THE BID FORM.

GENERAL

THE NEW BID DATE WILL BE FEBRUARY 5TH AT 3:00 PM

Doors showing card reader access with Door Note 3. on door schedule to be base bid. Doors 103, 109, 113.2, 118.1, 120, 121, 123, & 123A receiving Door Note 8. to be Add. Alt #05.

Product WVC-2 Koroseal, Digital Wallcovering, Fine texture to be digital image. Final image to be selected during construction.

SPECS

Section 23 1126 Facility Liquified-Petroleum Gas Piping – Delete

Section 23 1123 Facility Natural-Gas Piping - Add

DRAWINGS

A101	Modify demo note AD08 to read AD09.
A301	Add ceiling access panel to room 117. See attached A301.
A801	Modify doors 116, 117, 118 .1, 119, 120, 121, 122, 123, 123A, 133, 130, 134.1, 134.3 to be 20 min fire rated. See attached A801.
P101	Change demo items to include all propane equipment
P202	Changed propane piping and related equipment to natural gas piping and equipment
P801	Changed water heater fuel from propane to natural gas
M801	Changed furnace fuel from propane to natural gas

PRIOR APPROVALS

None

ATTACHMENTS

Section 23 1123 Facility Natural-Gas Piping

A101 First Floor Plan – Demolition

A301 – First Floor Reflected Ceiling Plan

A801 – Door Schedule, Door and Window Elevations Details

P101 Plumbing Demolition Plan

P202 Gas Piping Plan

P801 Plumbing Schedules and Details

M801 Mechanical Schedules

Bid Pack 6 – Carpentry

Bid Pack 9 – Gypsum Wall Assemblies

SECTION 23 1123 - FACILITY NATURAL-GAS PIPING

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Pipe, pipe fittings, valves, and connections for natural gas piping systems.

1.2 RELATED REQUIREMENTS

A. Section 09 9113 - Exterior Painting.

B. Section 23 0516 - Expansion Fittings and Loops for HVAC Piping.

C. Section 23 0548 - Vibration and Seismic Controls for HVAC.

D. Section 23 0553 - Identification for HVAC Piping and Equipment.

1.3 REFERENCE STANDARDS

A. ANSI Z21.18/CSA 6.3 - Gas Appliance Pressure Regulators; 2019.

B. ANSI Z21.80/CSA 6.22 - Line Pressure Regulators; 2019.

C. ANSI Z223.1 - National Fuel Gas Code; 2024.

D. ASME BPVC-IX - Boiler and Pressure Vessel Code, Section IX - Qualification Standard for Welding, Brazing, and Fusing Procedures; Welders; Brazers; and Welding, Brazing, and Fusing Operators; 2023.

E. ASME B16.3 - Malleable Iron Threaded Fittings: Classes 150 and 300; 2021.

F. ASME B16.18 - Cast Copper Alloy Solder Joint Pressure Fittings; 2021.

G. ASME B16.22 - Wrought Copper and Copper Alloy Solder-Joint Pressure Fittings; 2021.

H. ASME B16.26 - Cast Copper Alloy Fittings for Flared Copper Tubes; 2018.

I. ASME B31.1 - Power Piping; 2022.

J. ASME B31.9 - Building Services Piping; 2020.

K. ASTM A53/A53M - Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless; 2024.

L. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products; 2024.

M. ASTM A234/A234M - Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service; 2023a.

N. ASTM B88 - Standard Specification for Seamless Copper Water Tube; 2022.

O. ASTM B88M - Standard Specification for Seamless Copper Water Tube (Metric); 2020.

P. ASTM B813 - Standard Specification for Liquid and Paste Fluxes for Soldering of Copper and Copper Alloy Tube; 2016.

Q. ASTM B828 - Standard Practice for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings; 2016.

R. AWS A5.8M/A5.8 - Specification for Filler Metals for Brazing and Braze Welding; 2019.

S. AWWA C105/A21.5 - Polyethylene Encasement for Ductile-Iron Pipe Systems; 2018.

T. MSS SP-78 - Gray Iron Plug Valves, Flanged and Threaded Ends; 2011.

U. MSS SP-110 - Ball Valves Threaded, Socket-Welding, Solder Joint, Grooved and Flared Ends; 2010, with Errata .

1.4 SUBMITTALS

A. See Section 01 3000 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide data on pipe materials, pipe fittings, valves, and accessories. Provide manufacturers catalog information. Indicate valve data and ratings.

C. Welders' Certificates: Submit certification of welders' compliance with ASME BPVC-IX.

D. Shop Drawings: For non-penetrating rooftop supports, submit detailed layout developed for this project, with design calculations for loadings and spacings.

E. Project Record Documents: Record actual locations of valves.

F. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
   1. See Section 01 6000 - Product Requirements, for additional provisions.

1.5 QUALITY ASSURANCE

A. Perform work in accordance with applicable codes.

B. Valves: Manufacturer's name and pressure rating marked on valve body.

C. Welder Qualifications: Certified in accordance with ASME BPVC-IX.

D. Identify pipe with marking including size, ASTM material classification, and ASTM specification.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Accept valves on site in shipping containers with labeling in place. Inspect for damage.

B. Protect piping systems from entry of foreign materials by temporary covers, completing sections of the work, and isolating parts of completed system.

PART 2 PRODUCTS

2.1 NATURAL GAS PIPING, BURIED

A. Steel Pipe: ASTM A53/A53M, Grade B, Type F, Schedule 40 black.
   1. Fittings: ASTM A234/A234M, wrought steel welding type.
   2. Joints: ANSI Z223.1, welded.
   3. Jacket: AWWA C105/A21.5 polyethylene jacket or double layer, half-lapped 10 mil (0.25 mm) polyethylene tape.

B. Copper Tubing: Listed, ASTM B88 (ASTM B88M), Type L (B), annealed.
   1. Fittings: ASME B16.18 cast copper or ASME B16.22 wrought copper.
   2. Joints: Compression connection or AWS A5.8M/A5.8, BCuP silver braze.

C. Polyethylene Pipe: ASTM D2513, SDR 11
   1. Fittings: ASTM D2683 or ASTM D2513 socket type.
   2. Joints: Fusion welded.

2.2 NATURAL GAS PIPING, ABOVE GRADE

A. Steel Pipe: ASTM A53/A53M, Grade B, Type E, Schedule 40 black.
   1. Fittings: ASME B16.3, malleable iron, or ASTM A234/A234M, wrought steel welding type.
   2. Joints: Threaded or welded to ASME B31.1.

B. Copper Tube: ASTM B88 (ASTM B88M), Type L (B) annealed.
   1. Fittings: Flared: ASME B16.26, cast bronze, Copper: ASME B16.22, wrought copper

2.3 FLANGES, UNIONS, AND COUPLINGS

A. Unions for Pipe Sizes 3 Inches (80 mm) and Under:
   1. Ferrous Pipe: Class 150 malleable iron threaded unions.
   2. Copper Tube and Pipe: Class 150 bronze unions with soldered joints.

B. Flanges for Pipe Size Over 1 Inch (25 mm):
   1. Ferrous Pipe: Class 150 malleable iron threaded or forged steel slip-on flanges; preformed neoprene gaskets.
   2. Copper Tube and Pipe: Class 150 slip-on bronze flanges; preformed neoprene gaskets.

2.4 PIPE HANGERS AND SUPPORTS

A. Provide hangers and supports that comply with MSS SP-58.
   1. If type of hanger or support for a particular situation is not indicated, select appropriate type using MSS SP-58 recommendations.
   2. Overhead Supports: Individual steel rod hangers attached to structure or to trapeze hangers.
   3. Trapeze Hangers: Welded steel channel frames attached to structure.
   4. Vertical Pipe Support: Steel riser clamp.
   5. Floor Supports: Concrete pier or steel pedestal with floor flange; fixture attachment.

6. Rooftop Supports for Low-Slope Roofs: Steel pedestals with bases that rest on top of roofing membrane, not requiring any attachment to the roof structure and not penetrating the roofing assembly, with support fixtures as specified; and as follows:
    a. Bases: High density polypropylene.
    b. Base Sizes: As required to distribute load sufficiently to prevent indentation of roofing assembly.
    c. Steel Components: Stainless steel, or carbon steel hot-dip galvanized after fabrication in accordance with ASTM A123/A123M.
    d. Attachment/Support Fixtures: As recommended by manufacturer, same type as indicated for equivalent indoor hangers and supports; corrosion resistant material.
    e. Height: Provide minimum clearance of 6 inches (150 mm) under pipe to top of roofing.

2.5 BALL VALVES

A. Manufacturers:
1. BrassCraft Manufacturing Co.; a Masco Company
2. Conbraco Industries, Inc.
3. Lyall, R W & Company, Inc

B. Construction, 4 Inches (100 mm) and Smaller: MSS SP-110, Class 150, 600 psi (4137 kPa) CWP, brass or bronze body, 304 stainless steel or chrome plated brass ball, regular port, Teflon seats and stuffing box ring, blowout proof stem, lever handle, solder, threaded, or grooved ends with union.

2.6 PLUG VALVES

A. Construction 2-1/2 Inches (65 mm) and Larger: MSS SP-78, 175 psi (1200 kPa) CWP, cast iron body and plug, pressure lubricated, Teflon or Buna N packing, flanged ends. Provide lever operator with set screw.

2.7 STRAINERS

A. Size 2 inch (50 mm) and Under:
1. Threaded brass body for 175 psi (1200 kPa) CWP, Y pattern with 1/32 inch (0.8 mm) stainless steel perforated screen.
2. Class 150, threaded bronze body 300 psi (2070 kPa) CWP, Y pattern with 1/32 inch (0.8 mm) stainless steel perforated screen.

B. Size 1-1/2 inch (40 mm) to 4 inch (100 mm):
1. Class 125, flanged iron body, Y pattern with 1/16 inch (1.6 mm) stainless steel perforated screen.

2.8 LINE PRESSURE REGULATORS AND APPLIANCE REGULATORS INDICATORS

A. Manufacturers:
1. American Meter Company
2. Fisher Control Valves & Instruments, an Emerson Process Management brand

3. Maxitrol Company

B. Compliance Requirements:
   1. Appliance Regulator: ANSI Z21.18/CSA 6.3.
   2. Line Pressure Regulator: ANSI Z21.80/CSA 6.22.

C. Materials in Contact With Gas:
   1. Housing: Aluminum, steel (free of non-ferrous metals).
   2. Seals and Diaphragms: NBR-based rubber.

D. Maximum Inlet Operating Pressure: 10 psi (68.9 kPa).
   1. Appliance Regulator: 2 psi (13.8 kPa).
   2. Line Pressure Regulator: 10 psi (68.9 kPa).

2.9 PIPING SPECIALTIES

A. Appliance flexible connectors:
   1. Indoor, fixed-Appliance Flexible Connectors: Comply with ANSI Z21.24.
   2. Indoor, Movable-Appliance Flexible Connectors: Comply with ANSI Z21.69.
   3. Outdoor, Appliance Flexible Connectors: Comply with ANSI Z21.75.
   4. Corrugated stainless-steel tubing with polymer coating.

B. Operating-Pressure Rating: 0.5 psig.
   1. End Fittings: Zinc-coated steel.
   2. Threaded Ends: Comply with ASME B1.20.1.
   3. Maximum Length: 72 inches

C. Quick-Disconnect Devices: Comply with ANSI Z21.41.
   1. Copper-allow convenience outlet and matching plug connector
   2. Nitrile seals.
   3. Hand operated with automatic shutoff when disconnected.
   4. For indoor or outdoor applications.
   5. Adjustable, retractable restraining cable.

D. Weatherproof Vent Cap: Cast- or malleable-iron increaser fitting with corrosion-resistant wire screen, with free area at least equal to cross-sectional area of connecting pipe and threaded-end connection.

E.

F. Joint Compound and Tape: Suitable for natural gas.

G. Welding Filler Metals: Comply with AWS D10.12/D10.12M for welding materials appropriate for wall thickness and chemical analysis of steel pipe being welded.

H. Brazing Filler Metals: Alloy with melting point greater than 1000 deg F complying with AWS A5.8/A5.8M. Brazing alloys containing more than 0.05 percent phosphorus are prohibited.

2.10 LABELING AND IDENTIFYING

A. Detectable Warning Tape: Acid- and alkali-resistant, PE film warning tape manufactured for marking and identifying underground utilities, a minimum of 6 inches wide and 4 mils thick, continuously inscribed with a description of utility, with metallic core encased in a protective jacket for corrosion protection, detectable by metal detector when tape is buried up to 30 inches deep; colored yellow.

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify that excavations are to required grade, dry, and not over-excavated.

3.2 PREPARATION

A. Ream pipe and tube ends. Remove burrs. Bevel plain end ferrous pipe.

B. Remove scale and dirt, on inside and outside, before assembly.

C. Prepare piping connections to equipment with flanges or unions.

3.3 INSTALLATION

A. Install in accordance with manufacturer's instructions.

B. Provide non-conducting dielectric connections wherever jointing dissimilar metals.

C. Route piping in orderly manner and maintain gradient. Route parallel and perpendicular to walls.

D. Install piping to maintain headroom, conserve space, and not interfere with use of space.

E. Group piping whenever practical at common elevations.

F. Install piping to allow for expansion and contraction without stressing pipe, joints, or connected equipment. Refer to Section 23 0516.

G. Provide clearance in hangers and from structure and other equipment for installation of insulation and access to valves and fittings.

H. Provide access where valves and fittings are not exposed.

I. Install vent piping penetrating roofed areas to maintain integrity of roof assembly.

J. Where pipe support members are welded to structural building framing, scrape, brush clean, and apply one coat of zinc rich primer to welding.

K. Prepare exposed, unfinished pipe, fittings, supports, and accessories ready for finish painting.
   1. Painting of interior piping systems and components is specified in Section 09 9123.
   2. Painting of exterior piping systems and components is specified in Section 09 9113.

L. Install valves with stems upright or horizontal, not inverted.

M. Pipe vents from gas pressure reducing valves to outdoors and terminate in weather proof hood.

N. Copper Pipe and Tube: Make soldered joints in accordance with ASTM B828, using specified solder, and flux meeting ASTM B813.

O. Sleeve pipes passing through partitions, walls and floors.

P. Pipe Hangers and Supports:
1. Install in accordance with ASME B31.9.
2. Support horizontal piping as indicated.
3. Install hangers to provide minimum 1/2 inch (15 mm) space between finished covering and adjacent work.
4. Place hangers within 12 inches (300 mm) of each horizontal elbow.
5. Use hangers with 1-1/2 inch (40 mm) minimum vertical adjustment. Design hangers for pipe movement without disengagement of supported pipe.
6. Provide copper plated hangers and supports for copper piping.
7. Prime coat exposed steel hangers and supports. Hangers and supports located in crawl spaces, pipe shafts, and suspended ceiling spaces are not considered exposed.
   a. Painting of exterior piping systems and components is specified in Section 09 9113.
8. Provide hangers adjacent to motor driven equipment with vibration isolation; refer to Section 23 0548.

3.4 APPLICATION

A. Install unions downstream of valves and at equipment or apparatus connections.

B. Install brass male adapters each side of valves in copper piped system. Solder adapters to pipe.

C. Install ball valves for shut-off and to isolate equipment, part of systems, or vertical risers.

D. Install ball valves for throttling, bypass, or manual flow control services.

3.5 PIPING JOINT CONSTRUCTION

A. Ream ends of pipes and tubes and remove burrs.

B. Remove scale, slag, dirt, and debris from inside and outside of pipe and fittings before assembly.

C. Threaded Joints:
1. Thread pipe with tapered pipe threads complying with ASME B1.20.1.
2. Cut threads full and clean using sharp dies.
3. Ream threaded pipe ends to remove burrs and restore full inside diameter of pipe.
4. Apply appropriate tape or thread compound to external pipe threads unless dryseal threading is specified.
5. Damaged Threads: Do not use pipe or pipe fittings with threads that are corroded or damaged. Do not use pipe sections that have cracked or open welds.

D. Welded Joints:

1. Construct joints according to AWS D10.12/D10.12M, using qualified processes and welding operators.
2. Bevel plain ends of steel pipe.
3. Patch factory-applied protective coating as recommended by manufacturer at field welds and where damage to coating occurs during construction.

E. Brazed Joints: Construct joints according to AWS's "Brazing Handbook," "Pipe and Tube" Chapter.

F. Flared Joints: Cut tubing with roll cutting tool. Flare tube end with tool to result in flare dimensions complying with SAE J513. Tighten finger tight, then use wrench. Do not overtighten.

G. PE Piping Heat-Fusion Joints: Clean and dry joining surfaces by wiping with clean cloth or paper towels. Join according to ASTM D 2657.
1. Plain-End Pipe and Fittings: Use butt fusion.
2. Plain-End Pipe and Socket Fittings: Use socket fusion.

3.6 LABELING AND INDENTIFYING

A. Comply with requirements in Section 23 0553 "Identification for HVAC Piping & Equipment" for piping and valve identification.

B. Install detectable warning tape directly above gas piping, 12 inches below finished grade, except 6 inches below subgrade under pavements and slabs.

3.7 FIELD QUALITY CONTROL

A. Test, inspect, and purge natural gas according to NFPA 54 and the International Fuel Gas Code and authorities having jurisdiction.

B. Natural-gas piping will be considered defective if it does not pass tests and inspections.

C. Prepare test and inspection reports.

3.8 SCHEDULES

A. Pipe Hanger Spacing:
1. Metal Piping:
   a. Pipe Size: 1/2 inches (15 mm) to 1-1/4 inches (32 mm):
      1) Maximum Hanger Spacing: 6.5 ft (2 m).
      2) Hanger Rod Diameter: 3/8 inches (9 mm).
   b. Pipe Size: 1-1/2 inches (40 mm) to 2 inches (50 mm):
      1) Maximum Hanger Spacing: 10 ft (3 m).
      2) Hanger Rod Diameter: 3/8 inch (9 mm).
   c. Pipe Size: 2-1/2 inches (65 mm) to 3 inches (75 mm):
      1) Maximum Hanger Spacing: 10 ft (3 m).
      2) Hanger Rod Diameter: 1/2 inch (13 mm).
   d. Pipe Size: 4 inches (100 mm) to 6 inches (150 mm):

1) Maximum Hanger Spacing: 10 ft (3 m).
2) Hanger Rod Diameter: 5/8 inch (15 mm).

e. Pipe Size: 8 inches (200 mm) to 12 inches (300 mm):
1) Maximum Hanger Spacing: 14 ft (4.25 m).
2) Hanger Rod Diameter: 7/8 inch (22 mm).

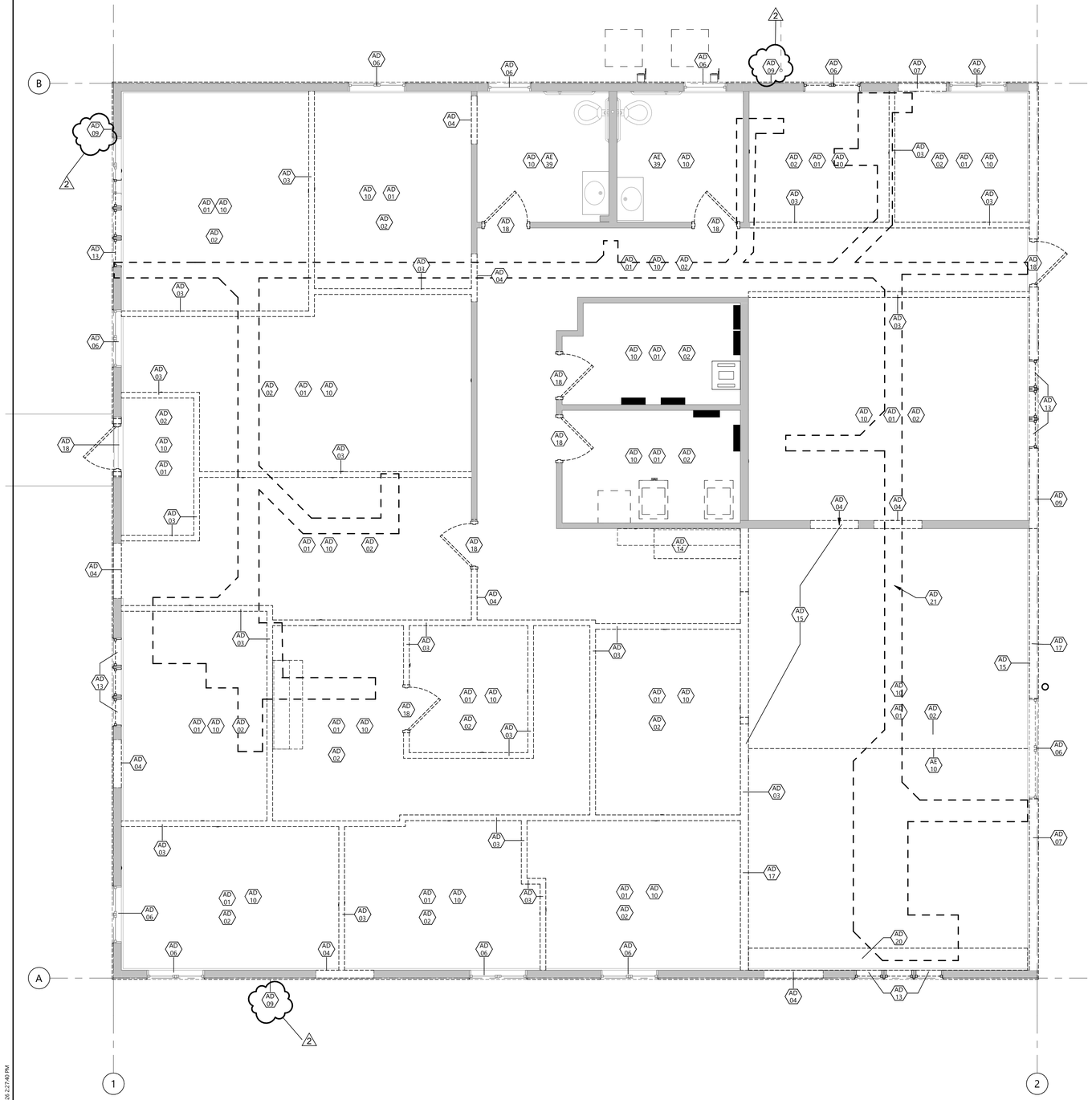
f. Pipe Size: 14 inches and Over (350 mm and Over):
1) Maximum Hanger Spacing: 20 ft (6 m).
2) Hanger Rod Diameter: 1 inch (25 mm).

B. Outdoor Piping
1. Aboveground natural-gas piping shall be one of the following:
a. Steel pipe with malleable-iron fittings and threaded joints for pipes smaller than 2-1/2".
b. Steel pipe with wrought-steel fittings and welded joints for pipes 2-1/2" and larger.
2. Paint all exterior piping with two coats of exterior paint with color selected by Architect.

C. Indoor Piping
1. Aboveground, distribution piping shall be one of the following:
a. Steel pipe with malleable-iron fittings and threaded joints for pipes smaller than 2-1/2"..
b. Steel pipe with wrought-steel fittings and welded joints for pipes 2-1/2" and larger.
2. Containment Conduit: Steel pipe with wrought-steel fittings and welded joints. Coat pipe and fittings with protective coating for steel piping.
3. Containment Conduit Vent Piping: Steel pipe with malleable-iron fittings and threaded or wrought-steel fittings with welded joints. Coat underground pipe and fittings with protective coating for steel piping.

D. Aboveground Manual Gas Shutoff Valve
1. Valves for pipe sizes NPS 2 and smaller at service meter shall be one of the following:
a. Two-piece, full -port, bronze ball valves with bronze trim.
b. Bronze plug valve.
2. Distribution piping valves for pipe sizes NPS 2 and smaller shall be one of the following:
a. Two-piece, full -port, bronze ball valves with bronze trim.
b. Bronze plug valve.
3. Valves in branch piping for single appliance shall be one of the following:
a. Two-piece, full -port, bronze ball valves with bronze trim.
b. Bronze plug valve.

END OF SECTION 23 1123

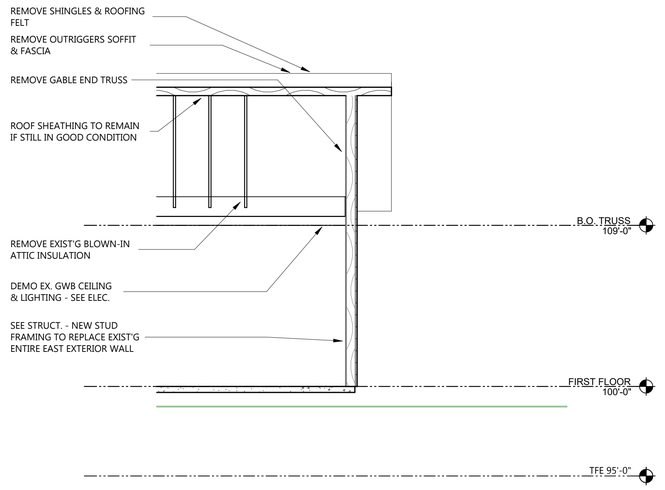


KEYNOTE LEGEND:

⬡	< < < INDICATES KEYNOTE ON PLAN
AD 01	REMOVE EXISTING GYP BD CEILING.
AD 02	REMOVE EXISTING FLOOR FINISH AND BASE.
AD 03	REMOVE EXISTING WOOD STUD WALL - SEE STRUCT FOR BRG LOCATIONS.
AD 04	REMOVE PORTION OF EXISTING WOOD STUD WALL FOR NEW DOOR OR OPENING.
AD 06	BASE BID: WDW TO REMAIN. ADD ALT #02: REMOVE WDW, FRAME & HARDWRE; REPLACE.
AD 07	REMOVE EXISTING EXTERIOR WALL CONSTRUCTION FOR NEW OPENING.
AD 09	REMOVE EXISTING SIDING AND INSULATION ON EX. EXTERIOR WALL.
AD 10	REMOVE EXISTING ATTIC INSULATION.
AD 13	REMOVE EXISTING WDW, FRAME, & HARDWRE. INFILL TO MATCH.
AD 14	REMOVE EXISTING CASEWORK.
AD 15	WALL IS ASSUMED TO BE STRUCTURAL LOAD BEARING - REFER TO STRUCTURAL FOR NEW OR UPDATED SHEAR WALL CONDITIONS.
AD 17	SEE STRUCTURAL FOR EXISTING BEARING WALLS AND DEMOLITION - VERIFY W ARCH & STRUCT PRIOR TO DEMOLITION OF ANY BEARING CONDITIONS.
AD 18	REMOVE EXISTING DOOR, FRAME, & HARDWARE.
AD 20	REMOVE EXISTING GYP BD CEILING SOFFIT.
AD 21	REMOVE & REPLACE EXISTING CONCRETE FLOOR - SEE MECH.
AE 10	EX. VAULTED CEILING.
AE 39	GYP AT WALLS, FINISHES TO REMAIN THIS ROOM. PROTECT/PATCH AS NECESSARY.

GENERAL DEMOLITION NOTES:

1. DASHED LINES INDICATE DEMOLITION ITEMS, SOLID LINES INDICATE EXISTING ITEMS TO REMAIN. ALSO REFER TO SHEET A001 FOR SYMBOLS AND ABBREVIATIONS.
2. ALL DEMOLITION WORK AND TEMPORARY INSTALLATIONS SHALL BE ACCOMPLISHED AS SPECIFIED.
3. CONTRACTOR TO PROVIDE SECURE DOORS IN TEMP PARTITIONS AS NECESSARY TO MAINTAIN BUILDING SECURITY. PROVIDE CLEAR ROUTES TO EXITS FROM WORK AREA.
4. FIELD VERIFY EXISTING CONDITIONS OF EACH FLOOR AND AREA TO BE DEMOLISHED.
5. DEMOLITION PLANS REPRESENT APPROXIMATE LOCATION OF EXISTING WALLS TO BE DEMOLISHED. FIELD VERIFY TYPE OF CONSTRUCTION AND HEIGHT OF WALLS. PLANS DO NOT NECESSARILY INDICATE ALL DEMO WALLS, COUNTERS, HANDRAILS, WALL PROTECTION, CLOSETS, SINKS, ETC. PRIOR TO DEMOLITION FIELD VERIFY THAT WALLS TO BE REMOVED DO NOT PROVIDE SUPPORT FOR EXISTING BUILDING ELEMENTS AND EXISTING CONSTRUCTION TO REMAIN. NOTIFY A/E IF DEMOLITION WALLS SUPPORT EXISTING BUILDING ELEMENTS.
6. REMOVE WALL COVERINGS ON EXISTING WALLS TO REMAIN THAT FACE AREAS OF DEMOLITION. REMOVAL SHALL INCLUDE ANY RESIDUAL MATERIAL AFTER DEMOLITION, I.E. PIECES OF WALL COVERING OR BACKING. REMOVAL OF WALL COVERINGS IS TO BE DONE W/O DAMAGING THE EXISTING WALL SURFACE TO REMAIN. ALSO REMOVE WALL DEVICES AND ITEMS MOUNTED TO WALLS.
7. FIELD VERIFY EXISTING MATERIALS IN AREAS OF DEMOLITION.
8. REMOVE ALL MECHANICAL AND ELECTRICAL EQUIPMENT, DEVICES AND ASSOCIATED ELEMENTS AS INDICATED IN MECH AND ELEC DRAWINGS. FIELD VERIFY THE PRESENCE OF MECHANICAL AND ELECTRICAL PIPES, CONDUIT, ETC. IN ALL WALLS TO BE DEMOLISHED.
9. CONTRACTOR TO PROVIDE DEMOLITION IMPLEMENTATION PLANS AND SCHEDULE. NOTIFY OWNER IF ANY OPERATIONAL DISRUPTIONS OF ADJACENT OCCUPANTS ARE REQUIRED TO PERFORM NEW WORK (INCLUDING BUT NOT LIMITED TO: MECHANICAL, PLUMBING, FIRE SUPPRESSION, AND ELECTRICAL DISRUPTIONS).
10. CONTAIN DUST AND DEBRIS WITHIN THE DEMOLITION AREA.
11. DEMOLISH AND REMOVE DOORS, VINYL BASE, CONDUIT, WIRING, DUPLEXES, TELEPHONE OUTLETS, CABLES, SHELVING, METAL STUDS, AND GYPSUM BOARD WALLS, CLOSETS, CABINETS, FILES, COUNTERS, WOOD MOULDING, SHELVES AND ENCLOSURES WHERE APPLICABLE.
12. DEMOLISH AND REMOVE CARPET, PAD, TACK STRIP, AND RESILIENT BASE. REMOVE ALL FLOOR MATERIALS INCLUSIVE OF SETTING BEDS, SUBFLOOR MATERIAL ETC. REMOVE MASTIC TO PROVIDE A CLEAN FLOOR THAT IS ACCEPTABLE TO THE SUBCONTRACTOR INSTALLING NEW FINISH MATERIAL SPACES RECEIVING WALL DEMOLITION WILL ALSO HAVE FLOOR FINISH DEMOLITION UNO.
13. DEMOLISH AND REMOVE SUSPENDED ACOUSTIC LAY-IN, SPLINE, OR GYPSUM/ PLASTER CEILING INCLUSIVE OF HANGERS AND CARRYING CHANNELS, WIRES, CABLES, CONDUIT, ADHERED CEILING TILES, FLEX CONDUIT, ELECTRICAL BOXES, SMOKE DETECTORS, LIGHT FIXTURES, AND WIRING, DUCT WORK, PIPING AND SUPPORT HANGERS. CUT HANGERS FLUSH. SPACES RECEIVING WALL DEMOLITION WILL ALSO HAVE CEILING DEMOLITION UNO.
14. PRIOR TO COMMENCEMENT OF DEMOLITION OPERATIONS, CONTRACTOR SHALL IDENTIFY ALL UTILITIES TO REMAIN.
15. DEMOLITION FOR THE FLOOR AREAS SHALL ENCOMPASS THE SPACE FROM THE TOP OF THE CONCRETE FLOOR TO THE UNDERSIDE OF THE EXISTING INTERSTITIAL STRUCTURE ABOVE UNLESS NOTED OTHERWISE.
16. ALL DEMOLITION MATERIALS AND DEBRIS SHALL BE DISPOSED OF ACCORDING TO FEDERAL STATE AND LOCAL REGULATIONS.
17. CONTRACTOR SHALL PERFORM WORK IN A MANNER THAT DOES NOT DAMAGE THE EXISTING STRUCTURE. DEMOLITION SHALL NOT COMPROMISE THE STRUCTURAL INTEGRITY OF ANY WALLS, FLOORS, CEILING, SUPPORTS, STRUCTURE, ETC. TO REMAIN.
18. AT LOCATIONS WHERE EXISTING WALLS ARE TO BE REMOVED NEAR EXISTING WALLS TO REMAIN, PERFORM DEMOLITION WITHOUT DISTURBING EXISTING ELEMENTS TO REMAIN. WALLS TO REMAIN SHALL BE INTACT AND HAVE A NEAT, FINISHED SURFACE WHERE EXPOSED.
19. CONTRACTOR TO PROVIDE TEMPORARY GUARDS AND PROTECTION AROUND EXPOSED FLOOR AND ROOF OPENINGS AND SHAFTS PER CODE.
20. TYPICAL DOOR REMOVAL INCLUDES HARDWARE AND FRAME UNO.
21. PLUMBING CONTRACTOR TO REMOVE CONCRETE SLAB AS REQUIRED FOR UNDERFLOOR WORK. COORDINATE EXTENTS OF REMOVAL WITH M.C. AND E.C. TRENCHING AND BACKFILLING FOR UNDERFLOOR ITEMS SHALL TO BE PERFORMED BY M.C. OR E.C. - CONCRETE CONTRACTOR TO INSTALL NEW FLOOR SLAB AFTER SUBBASE IS RESTORED AND ACCEPTABLE.
22. THE OWNER HAS FIRST RIGHT TO REFUSAL FOR SALVAGEABLE ITEMS. RELOCATED SUCH SALVAGED ITEMS TO STORAGE LOCATION AS OWNER MAY DESIGNATE WITHIN PROJECT SITE.
23. CONTRACTOR TO VERIFY WITH STRUCTURAL BEFORE REMOVING ANY WALLS.
24. REMOVE ALL GWB ON EXISTING WALLS/STUDS TO REMAIN EXCEPT WHERE INDICATED ON PLAN. SEE NOTE AE 39.
25. PATCH GWB AT EXTERIOR WALL PERIMETER AFTER COMPLETION OF REMODEL.



1 A101 — FIRST FLOOR PLAN DEMOLITION PLAN
1/4" = 1'-0"

2 A101 — DEMO SECTION
1/4" = 1'-0"

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WHITE EARTH NATION

PROJECT DESCRIPTION
MAHNM WE WITHDRAWAL MGMT FACILITY

CITY MAHNOMEN
STATE MN

ISSUE DATES

MARK	DESCRIPTION	DATE
2	ADDENDUM #4	01/30/2026
1	ADDENDUM #2	01/22/2026
Mark	CONSTRUCTION DOCUMENTS	12/13/2025

PROJECT NO: 20245580
DRAWN BY: BRJ
CHECKED BY: CC

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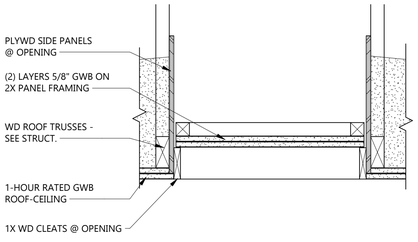
Print Name: CRAIG CLARK
Signature:
Date: License #: 55335

DRAWING TITLE
FIRST FLOOR PLAN - DEMOLITION

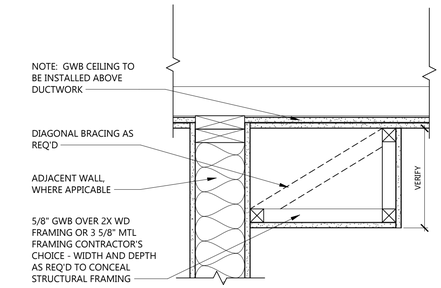
A101

Plot Date: 1/30/2026 2:27:40 PM



2 A301 — ATTIC ACCESS PANEL

1 1/2" = 1'-0"



3 A301 — TYPICAL GWB SOFFIT

1 1/2" = 1'-0"

KEYNOTE LEGEND:

< < < INDICATES KEYNOTE ON PLAN

AE 15	EXPOSED CEILING THIS ROOM.
AE 35	14x14 CEILING ACCESS PANEL - COORD LOCATION W/ MECH.
AE 37	EXISTING GYP BD CEILING TO REMAIN.
AE 40	BEAM - SEE STRUCT. WRAP IN GWB & PNT.
AI 42	SHOWER ROD AND CURTAIN, CFCI.
AI 43	LIGATURE RESISTANT SHOWER ROD AND CURTAIN, CFCI.

CEILING PLAN SYMBOLS

AIR DISTRIBUTION SYMBOLS

- DIFFUSER SUPPLY
- DIFFUSER RETURN
- ACCESS PANEL
- SLOT OR LINEAR DIFFUSER OR RETURN

MISCELLANEOUS

- PUBLIC ADDRESS OR AS SHOWN
- SMOKE DETECTOR
- VENT

TYPICAL SUSPENDED CEILING GRID

- GYPSUM WALL BOARD OR PLASTER
- RECESSED INCANDESCENT
- EXIT LIGHT
- LINEAR PENDANT

WALL HEIGHT

- EXISTING WALL TO REMAIN
- WALL TO EXTEND TO FULL HEIGHT OF STRUCTURE ABOVE

GENERAL NOTES

1. ALL CEILINGS TO BE (2) LAYERS 5/8" TYPE 'X' GWB OVER 6 MIL POLY MOUNTED TO BOTTOM OF TRUSS UNLESS NOTED OTHERWISE
2. REFER TO MECHANICAL DRAWINGS FOR QUANTITY AND TYPE OF DIFFUSERS, RETURN GRILLES AND EXHAUST GRILLES, ETC. SCRIBE CEILING MATERIALS FOR A TIGHT FIT.
3. REFER TO ELECTRICAL DRAWINGS FOR QUANTITY AND TYPE OF LIGHTS, SPEAKERS, DETECTORS, POWER OUTLETS, ETC. SCRIBE CEILING MATERIALS FOR A TIGHT FIT. WHERE DEVICES ARE NOT SHOWN ON PLAN, FIELD VERIFY LOCATION WITH ARCHITECT AND QUANTITY PRIOR TO REMOVAL. THESE DEVICES WILL BE RELOCATED INTO NEW PLAN.
4. GENERAL CONTRACTOR TO COORDINATE CEILING MOUNTED EQUIPMENT SUPPORT REQUIREMENTS, LOCATIONS, DIMENSIONS, ETC. WITH EQUIPMENT SUPPLER AND OWNER PRIOR TO INSTALLATION.
5. CEILING MOUNTED ITEMS SUCH AS LIGHT FIXTURES, GRILLES, DIFFUSERS, SPEAKERS, EXIT LIGHTS, ETC. SHALL BE LOCATED IN THE CENTER, GYPSUM BOARD SOFFITS, UNLESS NOTED OTHERWISE. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS.
6. ACCESS PANELS SIZE, LOCATION AND QUANTITY COORDINATE WITH MECHANICAL

1 A301 — FIRST FLOOR REFLECTED CEILING PLAN

3/16" = 1'-0"

Plot Date: 1/30/2026 3:08:48 PM

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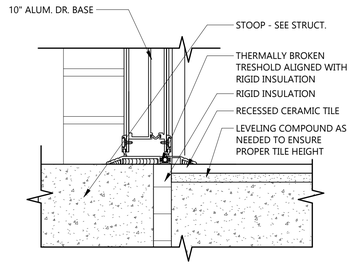
Signature:
Date: License #: 55335

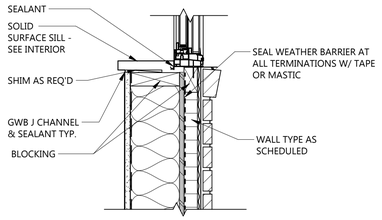
DRAWING TITLE
FIRST FLOOR REFLECTED CEILING PLAN

A301



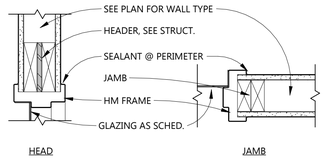
10 A801 ALUM. DOOR SILL @ EXT.

3" = 1'-0"



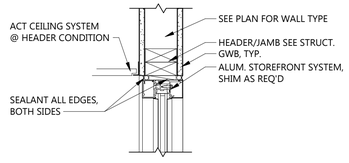
8 A801 WINDOW SILL @ BRICK VENEER

1 1/2" = 1'-0"



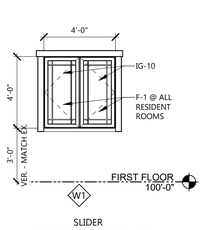
6 A801 HM WINDOW @ INTERIOR WALL

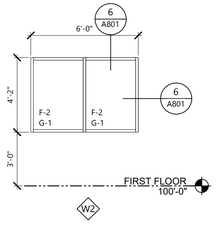
1 1/2" = 1'-0"

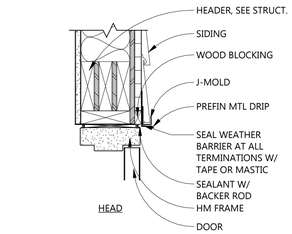


4 A801 ALUM DOOR HEAD/JAMB @ INTERIOR WALL

1 1/2" = 1'-0"

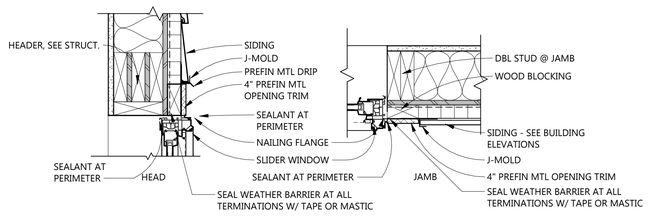






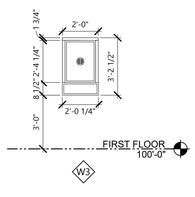
5 A801 HM DOOR HEAD/JAMB @ EXTERIOR WALL

1 1/2" = 1'-0"

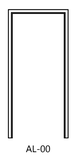


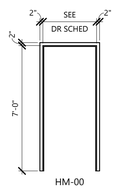
3 A801 SLIDING WINDOW @ EXTERIOR WALL

1 1/2" = 1'-0"



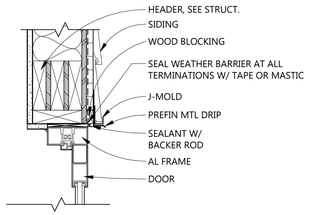
SECURITY WINDOW - SEE SPEC





2 A801 ALUMINUM DOOR HEAD / JAMB @ EXTERIOR WALL

1 1/2" = 1'-0"



DOOR SCHEDULE

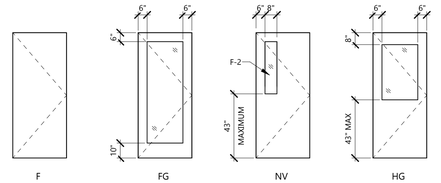
DR #	ROOM NAME	DOOR PANEL(S) OPENING SIZE	MATL	TYPE	DOOR FRAME MATL	TYPE	DETAILS - SEE SHEET A801 HEAD	JAMB	SILL	FIRE RATING	HDWE GROUP	NOTES
100.1	VESTIBULE	3'-6" x 7'-0"	AL	FG	AL	AL-00	2/A801	2/A801	10/A801		20	1
100.2	VESTIBULE	3'-6" x 7'-0"	WD	NV	WD	HM-01	4/A801	4/A801	10/A801		07	1, 3
101.1	LOBBY	3'-6" x 7'-0"	WD	NV	WD	HM-01	7/A801	7/A801	--		05A	3
101.2	LOBBY	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--	20 MIN	05	3
102	RECEPTION/SECURITY	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--		06	3
103	MECH	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--		04	8
104	CONSULT	3'-0" x 6'-8"	WD	F	HM	HM-00	7/A801	7/A801	--		02A	
105.1	OFFICE	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--		06	3
105.2	OFFICE	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--		02A	
106	FAMILY VISIT/CONSULT	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--		02A	
107A	TOILET	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--		01A	
108	OFFICE	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--		02A	
109	EX. ELEC	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--		05	3
109A	ELEC	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--		04	8
110	TOILET	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--		01A	
111	CORRIDOR	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--	20 MIN	05	3
112	STAFF TOILET/SHOWER	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--		01A	
113.1	CONSULT	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--	20 MIN	06	3
113.2	CONSULT	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--		02A	8
114	OPEN OFFICE	3'-0" x 7'-0"	HM	HG	HM	HM-00	3/A801	3/A801	10/A801		21	2, 3
115	STORAGE	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--	20 MIN	02	
116	CLEAN LINEN	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--	20 MIN	02	
117	LAUNDRY	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--	20 MIN	02	
118.1	GROUP/CULTURAL HEALING	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--	20 MIN	02	8
118.2	GROUP/CULTURAL HEALING	3'-0" x 7'-0"	HM	HG	HM	HM-00	3/A801	3/A801	10/A801		21	2, 3
119	TOILET	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--		01	
120	EXAM	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--	20 MIN	03	8
121	INTAKE	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--	20 MIN	03	8
122	JANITOR	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--	20 MIN	04	
123	STAFF BREAK	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--	20 MIN	02	8
123A	MECH	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--	20 MIN	04	6, 8
124.1	WOMEN'S GATHERING	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--	20 MIN	05	3
124.2	WOMEN'S GATHERING	3'-0" x 7'-0"	HM	F	HM	HM-00	5/A801	5/A801	--		23	2, 7
125	TOILET	3'-6" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--		01A	
126	SHOWER	3'-6" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--		01A	
127	RESIDENT ROOM	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--		03	
128	RESIDENT ROOM	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--		03	
129	RESIDENT ROOM	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--		03	
130	OBSERVATION	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--		11	4
131	TOILET	3'-6" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--		10	4
132	SHOWER	3'-6" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--		10	4
133	OBSERVATION	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--		11	4
134.1	NURSE STATION	3'-0" x 7'-0"	WD	NV	HM	HM-00	7/A801	7/A801	--	20 MIN	05	3
134.2	NURSE STATION	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--	20 MIN	05	3
134.3	NURSE STATION	3'-0" x 7'-0"	WD	NV	HM	HM-00	7/A801	7/A801	--	20 MIN	05	3
135	MEDS	6'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--		08	3, 6
136.1	MEN'S GATHERING	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--	20 MIN	05	3
136.2	MEN'S GATHERING	3'-0" x 7'-0"	HM	F	HM	HM-00	5/A801	5/A801	--		23	2, 7
137	BARI. RESIDENT ROOM	3'-6" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--		03	
138	RESIDENT ROOM	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--		03	
139	RESIDENT ROOM	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--		03	
140	RESIDENT ROOM	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--		03	
141	SHOWER	3'-6" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--		01A	
142	TOILET	3'-6" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--		01A	
143	CORRIDOR	3'-0" x 7'-0"	HM	F	HM	HM-00	5/A801	5/A801	--		22	2, 3
144	STORAGE	3'-0" x 7'-0"	WD	F	HM	HM-00	7/A801	7/A801	--	20 MIN	02	

GLASS TYPES

G-1 = 1/4" FLOAT GLASS
G-2 = 1/4" TEMPERED GLASS
IG-10 = 1" CLEAR INSULATING GLASS
IG-20 = 1" TEMPERED CLEAR INSULATING GLASS
IG-21 = 1" TEMPERED TINTED INSULATING GLASS
F-1 = SAFETY & SECURITY PLASTIC FILM
F-2 = REFLECTIVE FILM

DOOR NOTES

1. ALUM ENTRANCE DOOR AND FRAME
2. INSUL EXT HM DOOR AND FRAME
3. CARD READER
4. LIGATURE RESISTANT HARDWARE
5. NEW HARDWARE ON EXISTING DR AND FRAME - SEE SPECS.
6. DOUBLE DOOR
7. DOOR ALARM
8. ADD CARD READER THIS DOOR @ ALT #05 - SEE SPECS



1 A801 WINDOW ELEVATIONS

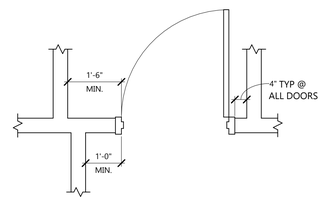
1/4" = 1'-0"

07-ARCH - DOOR FRAME TYPES

1/4" = 1'-0"

07-ARCH - DOOR PANEL TYPES

1/4" = 1'-0"



66 A801 ADA DOOR CLEARANCES

1/2" = 1'-0"

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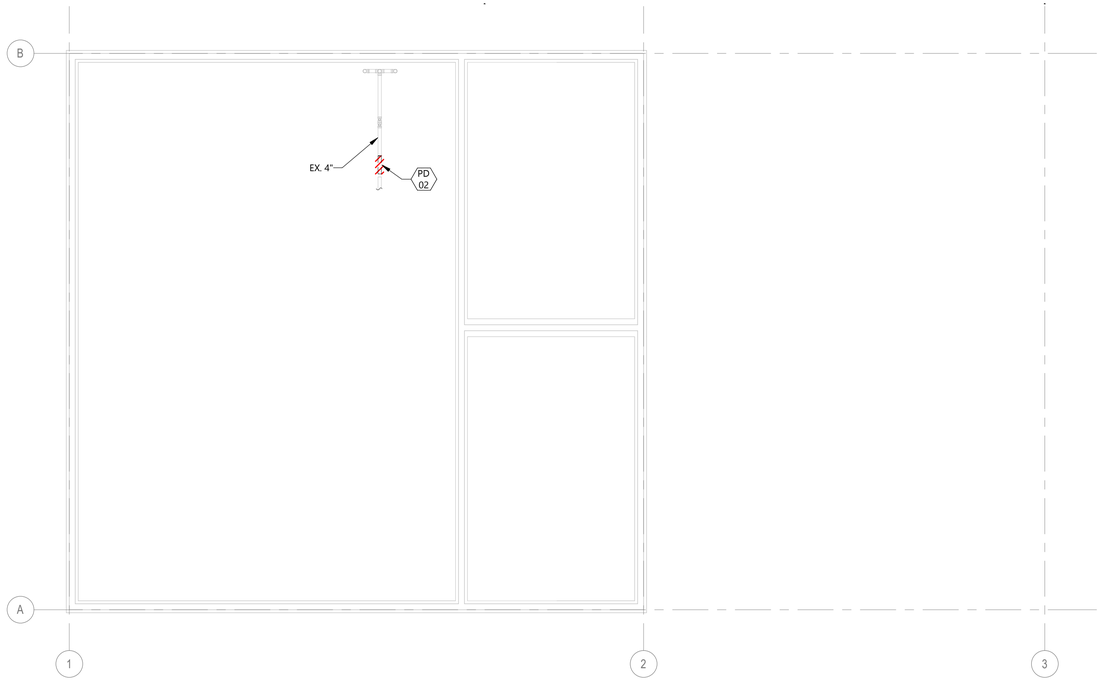
Print Name: CRAIG CLARK
Signature:
Date: License #: 55335

DRAWING TITLE
DOOR SCHEDULE, DOOR AND WINDOW ELEVATIONS DETAILS

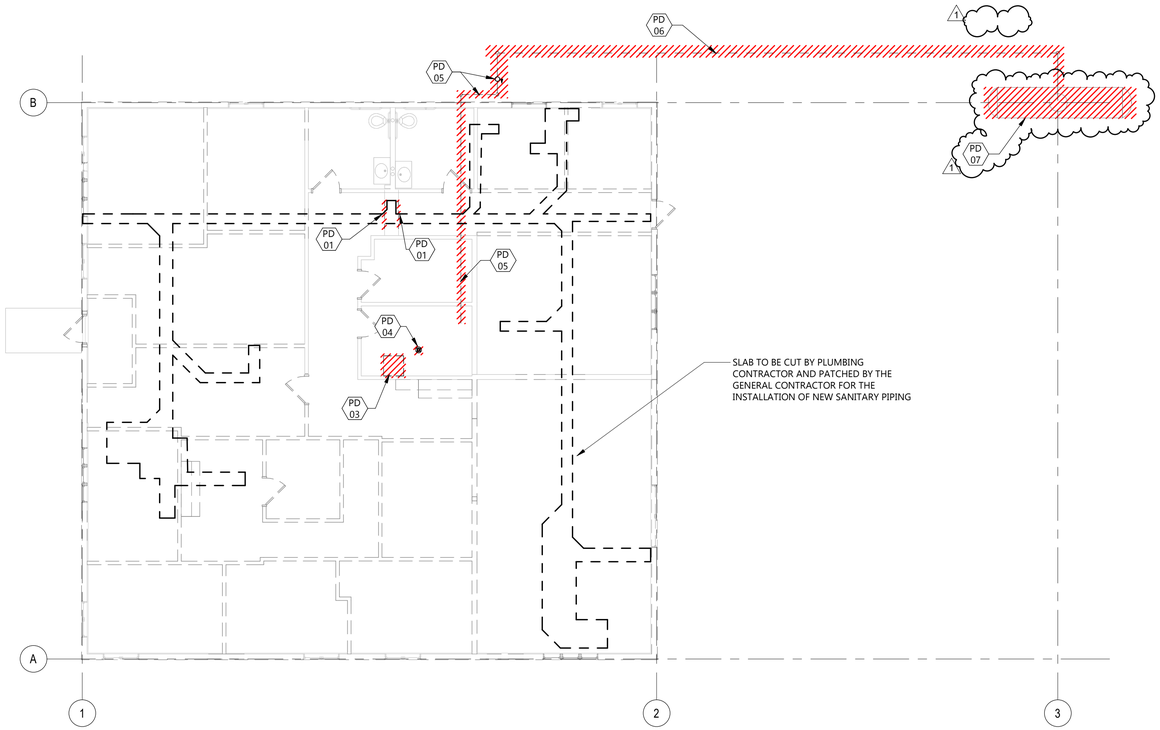
A801

Plot Date: 1/30/2026 2:27:43 PM



2 P101 UNDERGROUND PLUMBING DEMOLITION PLAN

1/8" = 1'-0"



1 P101 FIRST FLOOR PLUMBING DEMOLITION PLAN

1/8" = 1'-0"

KEYNOTE LEGEND:

< < < INDICATES KEYNOTE ON PLAN

PD 01 DISCONNECT, REMOVE & DISPOSE OF EXISTING DOMESTIC WATER PIPING AS INDICATED BY HATCH. PREPARE EXISTING PIPING TO REMAIN FOR CONNECTION OF NEW. FIELD VERIFY EXACT SIZE & LOCATION AS REQUIRED.

PD 02 SAW CUT FLOOR AND DISCONNECT, REMOVE & DISPOSE OF EXISTING SANITARY WASTE PIPING AS INDICATED BY HATCH. PREPARE EXISTING PIPING TO REMAIN FOR CONNECTION OF NEW. FIELD VERIFY EXACT SIZE & LOCATION AS REQUIRED.

PD 03 DISCONNECT, REMOVE & DISPOSE OF EXISTING LAUNDRY TUB AS INDICATED BY HATCH. REMOVE EXISTING WATER SUPPLIES AND WASTE PIPING BACK INTO WALL AND CAP ENDS.

PD 04 SAW CUT FLOOR, DISCONNECT, REMOVE & DISPOSE OF EXISTING FLOOR DRAIN. CAP REMAINING SANITARY PIPE BELOW SLAB.

PD 05 DISCONNECT, REMOVE & DISPOSE OF EXISTING PROPANE PIPING AND REGULATOR AS INDICATED BY HATCH. FIELD VERIFY EXACT LOCATION AS REQUIRED.

PD 06 DISCONNECT, REMOVE & DISPOSE OF EXISTING BURIED HIGH PRESSURE PROPANE PIPING FROM REGULATOR BACK TO EXISTING PROPANE TANK LOCATION.

1 PD 07 DISCONNECT, REMOVE & TURN OVER TO OWNER OR DISPOSE OF AT OWNERS REQUEST EXISTING PROPANE TANK AS INDICATED BY HATCH. FIELD VERIFY EXACT SIZE & LOCATION AS REQUIRED.

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222 Third Street NW, Bemidji MN 56601
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CONSULTANTS

CLIENT
WHITE EARTH NATION

PROJECT DESCRIPTION
MAHNM WE WITHDRAWAL MGMT FACILITY

CITY MAHNOMEN
STATE MN

ISSUE DATES

MARK	DESCRIPTION	DATE
1	ADDENDUM #4	01/30/2026
CD	CONSTRUCTION DOCUMENTS	12/16/2025

PROJECT NO: 20245580
DRAWN BY: AL
CHECKED BY: JV

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Date: 01-30-2026 License #: 56165

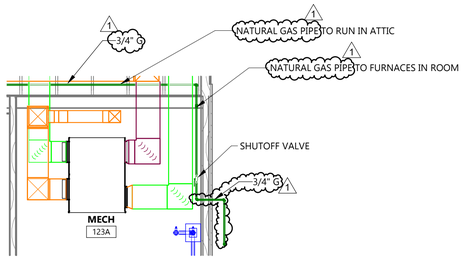
DRAWING TITLE
PLUMBING DEMOLITION PLAN

P101

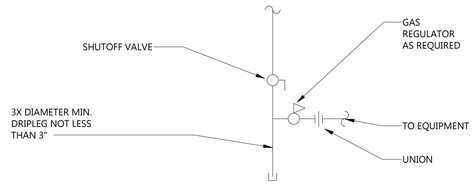
Revit Version: 2025
Plot Date: 1/30/2026 11:25:27 AM

GENERAL NOTES

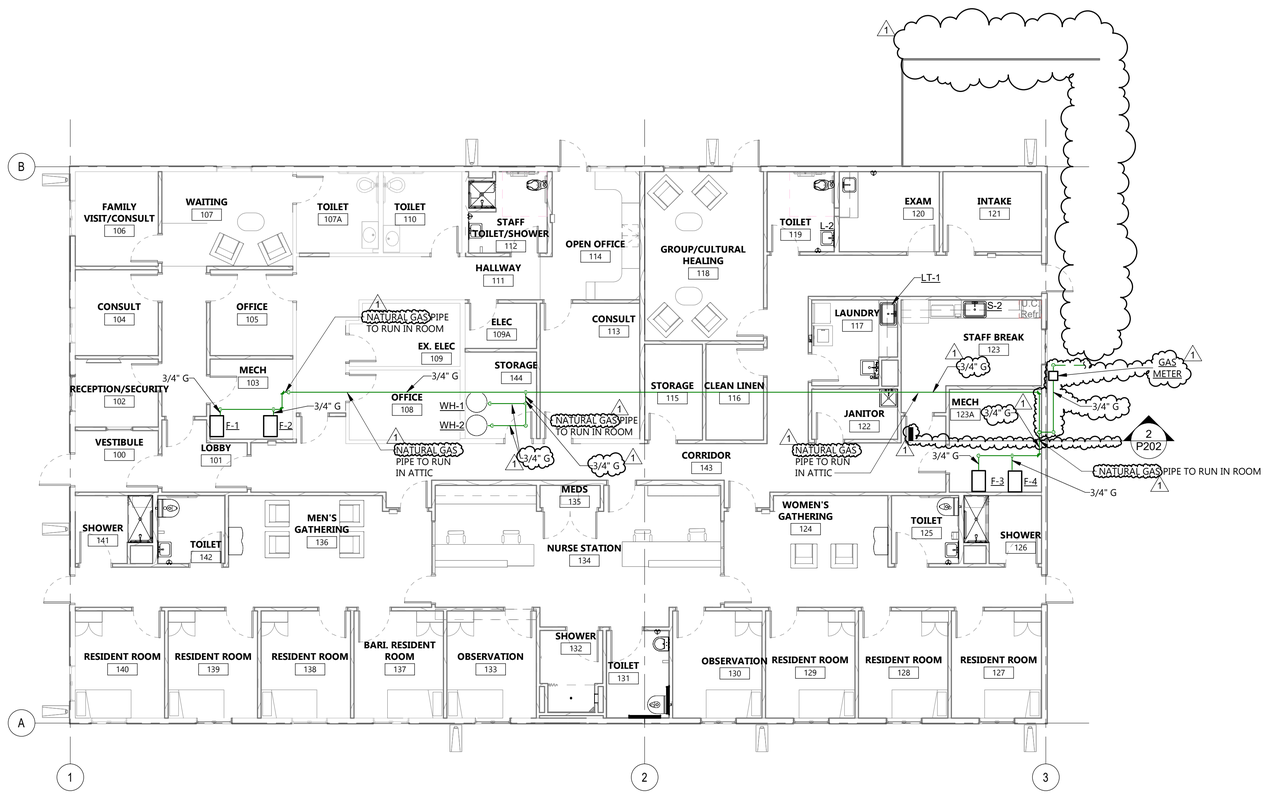
1. CONTRACTOR TO COORDINATE WITH NATURAL GAS SUPPLIER. NATURAL GAS SUPPLIER TO PROVIDE AND INSTALL THE SERVICE PIPE FROM THE MAIN IN THE ALLEY TO THE NATURAL GAS METER, ALSO SUPPLIED BY THE GAS UTILITY COMPANY, WHERE SHOWN ON THE DRAWING. PLUMBING CONTRACTOR TO START PIPING FROM THE METER TO THE GAS BURNING APPLIANCES. GAS PIPING FROM THE METER TO THE APPLIANCES IS SIZED FOR 2 PSI GAS PRESSURE. PROVIDE PRESSURE REGULATORS AT EACH APPLIANCE TO REDUCE THE GAS PRESSURE REQUIRED BY EACH INDIVIDUAL APPLIANCE.



2 P202 NATURAL GAS PIPING SECTION
1/4" = 1'-0"



3 P202 GAS DROP DETAIL
NOT TO SCALE



1 P202 FIRST FLOOR GAS PIPING PLAN
1/8" = 1'-0"

N

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DRAWING TITLE
GAS PIPING PLAN

P202

Revit Version: 2025
Revit Date: 1/30/2026 12:06 PM

PLUMBING FIXTURE SCHEDULE

ITEM NO.	MANUFACTURER	MODEL NO.	DESCRIPTION	CONNECTIONS - INCHES WASTE	VENT	CW	HW	REMARKS
WC-1	WHITEHALL MANUF.	WH2142-ADA-W-3-EGE10_12	STAINLESS STEEL LIGATURE RESISTANT WATER CLOSET, BACK SPUD, ELONGATED BOWL, BOTTOM OUTLET, SIPHON JET	4"	2"			INTEGRAL SEAT
	AMERICAN STANDARD	606B.261	FLUSH VALVE, CONCEALED, CHROME PLATED WALL PLATE, SENSOR OPERATED, BATTERY POWERED			1-1/4"	-	1.60 GPF, 25 GPM FLOW, 25 PSI
WC-2	AMERICAN STANDARD	MADERA FLOWISE 3043.001	FLOOR MOUNTED, VITREOUS CHINA, TOP SPUD, FLUSH VALVE, ELONGATED BOWL, CHINA BOLT CAPS	4"	2"			16-1/2" FLOOR TO RIM FOR ACCESSABILITY REQUIREMENTS
	SLOAN	G2 8111	FLUSH VALVE, ADA MOUNTING HEIGHT BATTERY POWERED SENSOR OPERATED			1-1/4"		VALVE HANDLE SHALL BE ON OPEN SIDE OF ROOM
	BEMIS	1955SSCTWH	ELONGATED, OPEN FRONT, SELF-SUSTAINING CHECK HINGES					SEAT SHALL BE WHITE, SOLID PLASTIC
WC-3	AMERICAN STANDARD	RIGHT WIDTH FLOWISE 3641.001	BARIATRIC FLOOR MOUNTED, VITREOUS CHINA, TOP SPUD, FLUSH VALVE, ELONGATED BOWL, CHINA BOLT CAPS	4"	2"			16-1/2" FLOOR TO RIM FOR ACCESSABILITY REQUIREMENTS
	SLOAN	G2 8111	FLUSH VALVE, ADA MOUNTING HEIGHT BATTERY POWERED SENSOR OPERATED			1-1/4"		VALVE HANDLE SHALL BE ON OPEN SIDE OF ROOM
	AMERICAN STANDARD	RIGHT WIDTH SEAT	ELONGATED, OPEN FRONT, SELF-SUSTAINING CHECK HINGES					SEAT SHALL BE WHITE, SOLID PLASTIC
L-1	WHITEHALL MANUF.	WHD-BSN	POLYESTER RESIN LIGATURE RESISTANT LAVATORY, HEAVY DUTY MOUNTING BRACKET, STAINLESS STEEL ACCESS PANEL WITH TAMPER PROOF FASTENERS	2"	1-1/2"			
	WHITEHALL MANUF.	WH3375-SO	ALL METAL LIGATURE RESISTANT FAUCET, SENSOR OPERATED. BATTERY POWERED			1/2"	1/2"	1.2 GPM
	WATTS	LFUSG-B-M2	THERMOSTATIC MIXING VALVE					
	KEENEY	5680PC	CHROME PLATED CAST BRASS GRID STRAINER WITH TAILPIECE					
	KEENEY	5307PCDF	SEMI CAST P-TRAP, CHROME PLATE					
	BRASSCRAFT	SCR19X C	ANGLE STOP WITH LOOSE KEY					
	BRASSCRAFT	1-12KC	COPPER FAUCET RISER PIPE					
L-2	AMERICAN STANDARD	LUCERNE 0355.012	WALL HUNG, VITREOUS CHINA, CONCEALED ARM SUPPORT CHAIR CARRIER, FRONT OVERFLOW, 4" FAUCET CENTERS, P-TRAP	2"	1-1/2"			
	AMERICAN STANDARD	6053.205	ELECTRONIC FAUCET WITH PROXIMITY OPERATION, DECK MOUNTED, 4" CENETRS			1/2"	1/2"	
	AMERICAN STANDARD	605XTMV1070	THERMOSTATIC MIXING VALVE, 20" INLET HOSES					
	TRUEBRO	LAVGUARD	TRAP & SUPPLY INSULATION COVERS					
	BRASSCRAFT	SCR19X-C	LOOSE KEY ANGLE STOP					
	BRASSCRAFT	1-12K-C	1/2" X 12" CHROME COPPER FAUCET RISER					
S-1	ELKAY	LRAD 191955	SINGLE COMPARTMENT SINK, 19-1/2"(L) x 19"(W) x 5-1/2" DEEP, 18 Ga. STAINLESS STEEL, TOP MOUNT	2"	1-1/2"			
	CHICAGO FAUCETS	786-E3CP	POLISHED CHROME FAUCET, RIGID OR SWING GOOSENECK SPOUT, 4" WRIST BLADE HANDLES			1/2"	1/2"	
	ELKAY	LK 18	CHROME PLATED CAST BRASS GRID STRAINER WITH TAILPIECE					
	KEENEY	5307PCDF	SEMI CAST P-TRAP, CHROME PLATE					
	BRASSCRAFT	SCR19X C	ANGLE STOP WITH LOOSE KEY					
	BRASSCRAFT	1-12KC	COPPER FAUCET RISER PIPE					
S-2	ELKAY	LR331955	DOUBLE COMPARTMENT SINK, 18 GA. 304 STAINLESS STEEL 33"(L)x19-1/2"(W)x 5-1/2" DEEP	2"	1-1/2"			
	CHICAGO FAUCETS	786-E3CP	POLISHED CHROME FAUCET, RIGID OR SWING GOOSENECK SPOUT, 4" WRIST BLADE HANDLES			1/2"	1/2"	
	DAYTON	D1125	STAINLESS STEEL DRAIN WITH REMOVABLE BASKET STRAINER AND STOPPER					
	KEENEY	5307PCDF	SEMI CAST P-TRAP, CHROME PLATE					PROVIDE TAPS ON THE HOT WATER AND DRAIN FOR A FUTURE DISHWASHER. CAP ENDS.
	BRASSCRAFT	SCR19X C	ANGLE STOP WITH LOOSE KEY					
	BRASSCRAFT	1-12KC	COPPER FAUCET RISER PIPE					
SH-1	AQUATIC	SB6032-WH	CAST ARYLIC SHOWER PAN, 3" THRESHOLD, 60" x 32" EXT. DIM., PROVIDE BRASS DRAIN	2"	1-1/2"			
	WHITEHALL MANUF.	WH458-FH-CSH	LIGATURE RESISTANT SHOWER PANEL WITH CHROME PLATED TEMPERATURE AND PRESSURE BALANCE VALVE, CHROME PLATED BRASS SHOWER HEAD, DIVERTER VALVE WITH DUAL HEIGHT SHOWER HEADS			1/2"	1/2"	2.5 GPM
SH-2	AQUATIC	WF6032APAN	CAST ARYLIC ROLL IN SHOWER PAN, 60" x 30" INT. DIM., PROVIDE BRASS DRAIN	2"	1-1/2"			
	CHICAGO	SH-PB1-11-014	PRESSURE BALANCED MIXING VALVE, HAND HELD SHOWER WITH IN-LINE VACUUM BREAKER, 36" GRAB BAR, 59" STAINLESS STEEL HOSE,			1/2"	1/2"	COORDINATE SHOWER ROUGH-IN WITH GENERAL CONTRACTOR
SH-3	AQUATIC	1363BFSD	36" x36" x 75.25" ACRYLIC BARRIER FREE, SMOOTH WALL TRANSFER SHOWER, CENTER DRAIN GRID STRAINER, WHITE COLOR	2"	1-1/2"			ENTIRE ASSEMBLY TO BE CHROME PLATED
	CHICAGO	SH-PB1-11-014	PRESSURE BALANCED MIXING VALVE, HAND HELD SHOWER WITH IN-LINE VACUUM BREAKER, 36" GRAB BAR, 59" STAINLESS STEEL HOSE,			1/2"	1/2"	COORDINATE SHOWER ROUGH-IN WITH GENERAL CONTRACTOR
WT-1	OATEY	38981	WASHING MACHINE SUPPLY/DRAIN BOX, QUARTER TURN BALL VALVES, TOP SUPPLY, 2" DRAIN OUTLET	2"	1-1/2"	3/4"	3/4"	VERIFY MOUNTING HEIGHT WITH G.C.
LT-1	FIAT	DL 1	SINGLE COMPARTMENT, DROP IN, MOLDED STONE, 13-1/2" DEEP 4" CENTERS, RUBBER DRAIN STOPPER	2"	1-1/2"			
	CHICAGO FAUCET	1895-L8E35ABCP	DECK MOUNTED, CHROME PLATED, 4" CENTERS, L-TYPE SWING SPOUT, SINGLE-WING HANDLES			1/2"	1/2"	BLUE & RED INDEX BUTTONS
MB-1	MUSTEE	MU63MX	24"X24" STRUCTURAL FIBERGLASS MOP BASIN	3"	1-1/2"			
	CHICAGO FAUCET	897-MPCCP	WALL MOUNT SERVICE FAUCET, SPOUT OUTLET, MALE HOSE, V.B.			3/4"	3/4"	
	MUSTEE	63.403	STAINLESS STEEL BUMPER GUARDS					
EWC-1	ELKAY	LZSTL8WSLP	WALL HUNG, DUAL STATION WATER COOLER WITH EZH2O BOTTLE FILLING STATION, STAINLESS STEEL BASIN, INTEGRAL 3000 GALLON FILTRATION SYSTEM	2"	1-1/2"	1/2"	-	ELKAY #LKAPREZL APRON BELOW ADA COMPLIANT, 6 REPLACEMENT FILTERS
CSS-1	ZURN	Z5410	VITREOUS CHINA WALL MOUNT BLOWOUT SERVICE SINK, INTEGRAL FLUSH RIM, WALL HUNG.	4"	2"			
	ZURN	Z600842AV-BWN	FLUSH VALVE WITH BEDPAN WASHER AND SERVICE SINK FAUCET			1-1/4"	3/4"	
HYD-1	WOODFORD	MODEL B65	AUTOMATIC DRAINING, FREEZELESS WALL HYDRANT, SINGLE CHECK HOSE CONNECTION, ANTI-SIPHON VACUUM BREAKERS			3/4"		LOOSE KEY OPERATES HYDRANT
CO	ZURN	Z1400	CAST IRON BODY, ADJUSTABLE COLLAR, NICKEL BRONZE TOP, TAPERED PLUG	4"	-	-	-	
WCO	ZURN	Z1441	CAST IRON BODY, GAS AND WATER TIGHT ABS TAPERED THREADED PLUG ROUND-SMOOTH STAINLESS STEEL ACCESS COVER, SECURING SCREW	VARIES	-	-	-	
FD	JOSAM	30000-S	CAST IRON, ROUND TOP	SEE PLAN	SEE PLAN			
MV-1	LAWLER	802	THERMOSTATIC BRONZE MIXING VALVE WITH LIQUID FILLED MOTOR, PISTON AND LINER SHALL BE STAINLESS STEEL, UNION END STOPS, CHECK VALVE INLETS, STAINLESS STEEL STRAINERS, TEMPERATURE GAUGE. MANIFOLD SYSTEM.			1-1/2"	1-1/2"	28 GPM @ 5PSI PD, 40 DEG. CW INLET, 140 DEG. HW INLET, 120 DEG. TEMPERED OUTLET. PROVIDE SHUT-OFF VALVES ON INLET AND OUTLET PIPES.

NOTES:

1. PROVIDE COLD AND HOT WATER SCREWDRIVER STOPS AT ALL SINKS., LAVATORIES, ELECTRIC WATER COOLERS, ETC.
2. PROVIDE ESCUTCHEONS AT ALL WASTE AND WATER SUPPLIES AT EACH FIXTURE. ESCUTCHEONS SHALL COMPLETELY COVER WALL OPENING.

WATER HEATER SCHEDULE

TAG	MANUFACTURER	SERIES	MODEL #	TANK	LOCATION	FUEL	INPUT BTU	RECOVERY @ 100°F RISE	STORAGE CAPACITY	WATER TEMP	V / PH	NOTES:
WH-1	AO SMITH	BTH	BTH-150	GLASS LINED	MECHANICAL ROOM	1 NATURAL GAS	150,000	178	100	140	120 / 1	1, 2, 3, 4
WH-2	AO SMITH	BTH	BTH-150	GLASS LINED	MECHANICAL ROOM	NATURAL GAS	150,000	178	100	140	120 / 1	1, 2, 3, 4

NOTE:

1. PIPE RELIEF VALVES OVER FLOOR DRAIN
2. PROVIDE HEATER WITH CONDENSATE NEUTRALIZATION KIT AS PER MANUFACTURES RECOMMENDATIONS FOR CONDENSATE TREATMENT PRIOR TO DISPOSAL.
3. ALL VENTING SHALL BY POLYPROPYLENE MATERIAL OR APPROVED EQUAL.
4. PROVIDE A WATTS MODEL PLT-35 EXPANSION TANK WITH 14.0 GALLON TANK VOLUME AND 5.6 GALLON ACCEPTANCE VOLUME FOR DOMESTIC WATER HEATING SYSTEM DET-1.

PLUMBING PUMP SCHEDULE

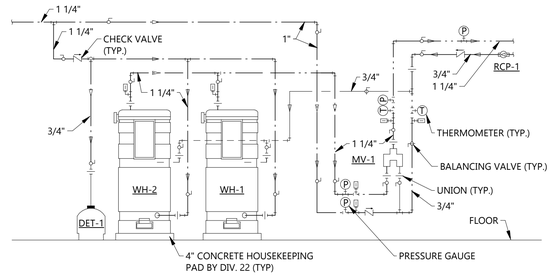
NUMBER	SERVICE	MFGR.	MODEL	PUMP TYPE	GPM	TOTAL HEAD	MOTOR CHARACTERISTICS RPM	HP	V / PH	NOTES:
RCP-1	DOMESTIC WATER CIRCULATOR	BELL & GOSSETT	NBF-25	INLINE	7	12	2,950	1/6	120 / 1	1, 2, 3, 4

1. ITT BELL & GOSSET 100% LEAD-FREE BRONZE PUMP
2. INSTALL WITH ISOLATION VALVES & UNIONS AS REQUIRED FOR PUMP MAINTANENCE.
3. PROVIDE AQUASTAT AND TIMER
4. PUMP SHALL BE SUITABLE FOR DOMESTIC POTABLE HOT WATER AND SHALL BE PROVIDED WITH A DISCONNECT SWITCH.

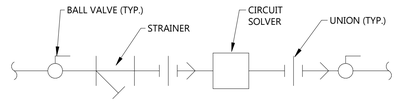
DOMESTIC WATER BALANCING VALVE SCHEDULE

ITEM NUMBER	MANUFACTURER	MODEL #	SERVICE	CONNECTION SIZE	INLET TEMP	OUTLET TEMP	NOTES:
CS-1	CIRCUIT SOLVER	CS-1/2-110	DOMESTIC WATER	1/2"	120°F	110°F	1, 2
CS-2	CIRCUIT SOLVER	CS-1/2-110	DOMESTIC WATER	1/2"	120°F	110°F	1, 2
CS-3	CIRCUIT SOLVER	CS-1/2-110	DOMESTIC WATER	1/2"	120°F	110°F	1, 2
CS-4	CIRCUIT SOLVER	CS-1/2-110	DOMESTIC WATER	1/2"	120°F	110°F	1, 2
CS-5	CIRCUIT SOLVER	CS-1/2-110	DOMESTIC WATER	1/2"	120°F	110°F	1, 2
CS-6	CIRCUIT SOLVER	CS-1/2-110	DOMESTIC WATER	1/2"	120°F	110°F	1, 2
CS-7	CIRCUIT SOLVER	CS-1/2-110	DOMESTIC WATER	1/2"	120°F	110°F	1, 2

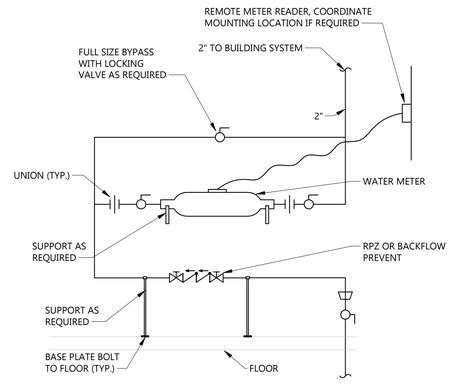
1. ANSI-61 RATED
2. PROVIDE SUITABLE LINE SIZE ISOLATION VALVES, UNIONS AND STRAINER AS INDICATED BY MANUFACTURERS REQUIREMENTS & PER DETAIL ON DRAWINGS.



1 P801 DOUBLE WATER HEATER PIPING DETAIL
NOT TO SCALE



2 P801 CIRCUIT SOLVER ASSEMBLY DETAIL
NOT TO SCALE



NOTES:
1. PLUMBING CONTRACTOR SHALL PROVIDE 3/4" THICK CLOSED CELL INSULATION AROUND WATER METER. INSULATION SHALL BE SIMILAR TO ARMAFLEX AP.
2. PIPE DRAINS TO COVER FLOOR DRAINS.

3 P801 WATER METER DETAIL
NOT TO SCALE

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DRAWING TITLE
PLUMBING SCHEDULES AND DETAILS

P801

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ENERGY RECOVERY SCHEDULE

TAG	MANUFACTURER MODEL	AREA SERVED	SA CFM	EA CFM	SA E.S.P. " W.G.	EA E.S.P. " W.G.	SA FAN HP	EA FAN HP	ENERGY RECOVERY								ELECTRICAL				NOTES:
									EFFECTIVENESS %			WINTER		SUMMER		ROOM CONDITIONS		V / PH	MCA (A)	MOP (A)	FLA (A) (PER MOTOR)	
									SENSIBLE	WINTER	SUMMER	EAT	LAT	EAT	LAT	WINTER	SUMMER					
ERU-1	RENEWAIRE HE10-JINH	F-1 AND F-2	985	985	0.5"	0.75"	0.70	0.70	65.6%	65.4%	44.4%	-30	35.4	87.5 / 70.8	79.3 / 67.2	70 / 58	75 / 63	208 / 1	3.9	15.0	1.73	1, 2, 3
ERU-2	RENEWAIRE HE10-JINH	F-3 AND F-4	985	985	0.5"	0.75"	0.70	0.70	65.6%	65.4%	44.4%	-30	35.4	87.5 / 70.8	79.3 / 67.2	70 / 58	75 / 63	208 / 1	3.9	15.0	1.73	1, 2, 3

1. PROVIDE FLEXIBLE CONNECTIONS ON ALL DUCTWORK CONNECTIONS TO UNIT.
2. PROVIDE SINGLE POINT POWER CONNECTION WITH FUSED DISCONNECT.
3. UNIT SHALL HAVE EC MOTORS.

FURNACE SCHEDULE

TAG	CFM	O.A.	ESP.	INPUT MBH	OUTPUT MBH	BLOWER DRIVE	MANUFACTURER MODEL	AFUE	ELECTRICAL			NOTES:
									V / PH	MOP (A)	FLA (A)	
F-1	1,100	100 CFM FROM ERU-1	0.7	39.0 / 60.0	38.45 / 57.7	DIRECT 3/4 HP	TRANE S9V2B060	97.0%	115 / 1	15.0	9.6	1, 2, 3, 4, 5
F-2	1,200	885 CFM FROM ERU-1	0.7	39.0 / 60.0	38.45 / 57.7	DIRECT 3/4 HP	TRANE S9V2B060	97.0%	115 / 1	15.0	9.6	1, 2, 3, 4, 5
F-3	1,500	760 CFM FROM ERU-2	0.7	39.0 / 60.0	38.45 / 57.7	DIRECT 3/4 HP	TRANE S9V2B060	97.0%	115 / 1	15.0	9.6	1, 2, 3, 4, 5
F-4	1,500	225 CFM FROM ERU-2	0.7	39.0 / 60.0	38.45 / 57.7	DIRECT 3/4 HP	TRANE S9V2B060	97.0%	115 / 1	15.0	9.6	1, 2, 3, 4, 5

1. FUEL IS NATURAL GAS, UNIT SHALL HAVE TWO STAGE HEAT.
2. LOW VOLTAGE WIRING BY MECHANICAL CONTRACTOR
3. DX COIL SHALL BE MATCHED WITH CORRESPONDING CONDENSING UNIT. PROVIDE UNIT WITH DX CASED A-COIL.
4. UNIT SHALL BE UPFLOW ORIENTATION.
5. PROVIDE WITH FACTORY REFRIGERANT MONITOR AND MITIGATION CONTROLS.

AIR COOLED CONDENSING UNIT

TAG	CONTROLLED BY	COOLING BTUH (NOMINAL)	SEER	ELECTRICAL				TRANE MODEL #	NOTES:
				V / PH		MCA (A)	MOP (A)		
ACCU-1	F-1	24,000		208-230 / 1		14.0	20.0	5TTR3024A1000	1, 2
ACCU-2	F-2	24,000		208-230 / 1		14.0	20.0	5TTR3024A1000	1, 2
ACCU-3	F-3	36,000		208-230 / 1		18.0	30.0	5TTR3036A1000	1, 2
ACCU-4	F-4	36,000		208-230 / 1		18.0	30.0	5TTR3036A1000	1, 2

MCA - MINIMUM CIRCUIT AMPACITY

1. 4" CONCRETE HOUSEKEEPING PAD FOR AIR COOLED CONDENSING UNITS BY MECHANICAL CONTRACTOR
2. DISCONNECT BY DIV. 26

ELECTRIC HEATING COIL SCHEDULE

TAG	CFM	COIL CAP. (KW) HEATING	COIL SIZE (W"x H")	ELECTRICAL				NOTES:
				V / PH	FLA	MCA	MOP	
EHC-1	985	7	16" x 14"	208 / 1	33.65	42.06	45	1, 2, 3
EHC-2	985	7	16" x 14"	208 / 1	33.65	42.06	45	1, 2, 3

1. PROVIDE WITH FUSABLE DISCONNECT.
2. PROVIDE WITH SCR CONTROL WITH 0-10V INPUT.
3. SELECTION BASED ON THERMOLEC. MSC0-10LS-1002-0000

FAN SCHEDULE

TAG	CFM	E.S.P.	MOTOR SIZE		V / PH	FLA	MCA	MOP	RPM	FRPM	DRIVE	MANUFACTURER	MODEL	SOUND DATA (INLET)					SONES	NOTES:
			BHP	HP										62.5	125	250	500	dBA		
EF-1	250	0.38	0.04	0.17	115 / 1	2.8	3.5	15	1,337	-	DIRECT	GREENHECK	SQ-90-VG	68	68	64	57	50	5.7	1, 2

1. FAN SHALL BE UL LISTED
2. FAN SHALL HAVE EC MOTOR. SPEED CONTROLLER TO COME WITH FAN

MOTORIZED DAMPER SCHEDULE

TAG	SIZE		DAMPER ACTUATOR	DAMPER OPERATION	NOTES:
	WIDTH	HEIGHT			
MOD-1	10"	8"	24V	OPEN/CLOSED	1
MOD-2	8"	8"	24V	OPEN/CLOSED	1
MOD-3	30"	30"	24V	OPEN/CLOSED	1
MOD-4	30"	30"	24V	OPEN/CLOSED	1
MOD-5	30"	30"	24V	OPEN/CLOSED	1
MOD-6	30"	30"	24V	OPEN/CLOSED	1

1. LOW VOLTAGE WIRING BY MECHANICAL CONTRACTOR

REGISTER-GRILLE-DIFFUSER SCHEDULE

TAG	TYPE	FACE	NECK SIZE	FRAME	CFM	1 = STEEL 2 = ALUM. 3= S. STEEL MATERIAL	1 = OFFWHITE 2 = CLEAR-ALUM 3 = BRUSHED ALUM FINISH	MANUF. UNLESS NOTED OTHERWISE PRICE MODEL	NOTES
S-1	S	SQUARE CONE / SURFACE MOUNT	6"Ø	24"x 24"	0-125	1	1	SCD	2, 3
S-2	S	SQUARE CONE / SURFACE MOUNT	8"Ø	24"x 24"	126-244	1	1	SCD	2, 3
S-3	S	FIXED GRILLE	12"x 6"	13-3/4"x 7-3/4"	SEE PLAN	1	1	520	4, 5, 8
S-4	S	FIXED GRILLE	12"x 8"	13-3/4"x 9-3/4"	SEE PLAN	1	1	520	4, 5, 8
S-5	S	MAX SECURITY FIXED GRILLE	9"x 9"	12-1/4"x 12-1/4"	101-200	1	1	MSRRCD	4, 5, 6
S-6	S	MAX SECURITY FIXED GRILLE	9"x 9"	12-1/4"x 12-1/4"	101-200	1	1	MSRRCD	4, 5, 6, 8
R-1	R	EGG CRATE / SURFACE MOUNT	-	12"x 24"	SEE PLAN	2	1	80	5, 7
R-2	R	EGG CRATE / SURFACE MOUNT	-	24"x 24"	SEE PLAN	2	1	80	5, 7, 8
R-3	R	FIXED GRILLE	12"x 6"	13-3/4"x 7-3/4"	SEE PLAN	1	1	510Z	5
E-1	E	EGG CRATE / SURFACE MOUNT	-	12"x 24"	SEE PLAN	2	1	80	5, 7
E-2	E	MAX SECURITY FIXED GRILLE	10"x 10"	12"x 12"	126-240	1	1	MSRRP	5, 6, 7
E-3	E	EGG CRATE / SURFACE MOUNT	-	12"x 12"	SEE PLAN	2	1	80	5, 7, 8
E-4	E	MAX SECURITY FIXED GRILLE	10"x 10"	12"x 12"	126-240	1	1	MSRRP	5, 6, 7, 8

1. LAY-IN CEILING, VERIFY TYPE WITH ARCHITECTURAL PLANS.
2. FLEXIBLE DUCT SIZE SHALL MATCH DIFFUSER NECK SIZE.
3. SURFACE MOUNTED WITH PLASTER FRAME
4. FABRICATE AND PROVIDE WITH FIBER FREE INSULATED PLENUM.
5. SURFACE MOUNTED
6. GRILLE TO BE THREAD RESISTANT WITH COUNTERSUNK SECURITY FASTENERS.
7. FABRICATE AND PROVIDE WITH PLENUM.
8. ***PROVIDE WITH GREENHECK CEILING RADIATION DAMPER FOR WOOD TRUSSES CRD-1WT. PROVIDE FACTORY PLENUM. DUCT COLLAR ON WIDE SIDE.***

LOUVER SCHEDULE

TAG	MANUFACTURER & MODEL #	CFM	FREE AREA (FT2)	VELOCITY (FT/MIN)	PRESSURE DROP (IN W.C.)	LOUVER SIZE			FINISH	MATERIAL	NOTES:
						WIDTH	HEIGHT	DEPTH			
L-1	GREENHECK ESD-435	985	2.32	425	0.03	30"	24"	4"	COLOR SELECTION BY ARCHITECT	ALUMINUM	1, 2, 3
L-2	GREENHECK ESD-435	985	2.32	425	0.03	30"	24"	4"	COLOR SELECTION BY ARCHITECT	ALUMINUM	1, 2, 3
L-3	GREENHECK ESD-435	985	2.32	435	0.03	30"	24"	4"	COLOR SELECTION BY ARCHITECT	ALUMINUM	1, 2, 3
L-4	GREENHECK ESD-435	985	2.32	435	0.03	30"	24"	4"	COLOR SELECTION BY ARCHITECT	ALUMINUM	1, 2, 3

1. MANUFACTURER TO PROVIDE LOUVER WITH 1/2"x 1/2" BIRDSCREEN
2. COLOR SELECTION BY ARCHITECT.
3. INSTALLED BY M.C.

SPLIT SYSTEM SCHEDULE

TAG	ROOM	MANUFACTURER	MODEL #	UNIT TYPE	OUTDOOR UNIT	CFM	COOLING MBH (TOTAL)	SEER	SYSTEM POWER V/PH/HZ	MOCP	MCA	SYSTEM TYPE	NOTES
AC-5	EX. ELEC 109	MITSUBISHI	PKA-AL12NL	INDOOR	ACCU-5	385	12.0	-	208 / 1 / 60	-	-	MINI-SPLIT	1, 2
ACCU-5	-	MITSUBISHI	PUY-AK12NL	OUTDOOR	-	-	12.0	21.1	208 / 1 / 60	30.0	16.0	MINI-SPLIT	3, 4

1. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
2. PROVIDE UNITS COMPLETE WITH WIRED REMOTE THERMOSTAT.
3. INSTALL OUTDOOR UNITS PER MANUFACTURER'S REQUIREMENTS FOR SERVICE & OPERATING CLEARANCES.
4. PROVIDE WITH ALL ACCESSORIES FOR LOW AMBIENT CONTROL DOWN TO -40°F.

EAPC
Architecture | Engineering
Interior Design | Industrial
TELEPHONE 218.751.0151
222 Third Street NW, Bemidji MN 56601
www.eapc.net

CONSULTANTS

CLIENT
WHITE EARTH NATION

PROJECT DESCRIPTION
MAHNM WE WITHDRAWAL MGMT FACILITY

CITY MAHNOMEN
STATE MN

ISSUE DATES

MARK	DESCRIPTION	DATE
2	ADDENDUM #4	01/30/2026
1	ADDENDUM #2	01/27/2026
CD	CONSTRUCTION DOCUMENTS	12/16/2025

PROJECT NO: 20245580
DRAWN BY: AL
CHECKED BY: JV

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STAMP

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the State of Minnesota.
Print Name: TYLER COULOMBE
Signature:
Date: 01-30-2026 License #: 56165

DRAWING TITLE
MECHANICAL SCHEDULES

M801

Revit Version: 2025
Revit Date: 1/30/2026 11:27:31 AM

Bid Pack #: 6 CARPENTRY (Supply and Install)

Provide all labor, material, and equipment to complete site work section with total responsibility for Technical Specification Sections:

Sections Included:
00 0110 - TABLE OF CONTENTS
00 0200 - INVITATION TO BID
00 1000 - INSTRUCTIONS TO BIDDERS
00 3000 - FORMS
00 4100 - MULTIPLE CONTRACT BID PACKAGES AND BID FORMS
00 7000 - AIA DOCUMENT A232-2019, GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION - CONSTRUCTION MANAGER ADVISER
00 8000 - SPECIAL CONDITIONS / REQUIREMENTS / WAGE RATES
01 1000 - SUMMARY
PROPOSED CONSTRUCTION SCHEDULE
01 2300 - ALTERNATES
01 2500 - SUBSTITUTION PROCEDURES
01 3000 - ADMINISTRATIVE REQUIREMENTS
01 4000 - QUALITY REQUIREMENTS
01 4533 - CODE-REQUIRED SPECIAL INSPECTIONS
01 5000 - TEMPORARY FACILITIES AND CONTROLS
01 6000 - PRODUCT REQUIREMENTS
01 7000 - EXECUTION AND CLOSEOUT REQUIREMENTS
01 7419 - CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL
01 7800 - CLOSEOUT SUBMITTALS
01 7900 - DEMONSTRATION AND TRAINING

This Bid Package is responsible for the SUPPLY AND INSTALL of sections listed below:

Also, responsible for related portions of Technical Specifications 024100, 042616, 055213, 061000, 061753, 072100, 085413,072700 implied by this bid package description, included but not restricted to:

1. DEMOLITION – INTERIOR ARCHITECTURAL
2. ADHERED MASONRY VENEER (ALTERNATE NO. 1 ONLY)
3. PIPE AND TUBE RAILINGS
4. ROUGH CARPENTRY
5. SHOP-FABRICATED WOOD TRUSSES
6. THERMAL INSULATION as it pertains to this bid pack
    a. Note: Spec section 07 2100, sub section 2.1 B, 2.1 D, 2.2 B, 2.2 C, 3.1 A, 3.1 B, 3.3 A, 3.3 B, 3.5 A included in bid pack 6 Carpentry.
7. FIBERGLASS WINDOWS
8. AIR BARRIERS

This Bid Package is responsible for the INSTALL ONLY of the sections listed below that are supplied by others:

Also, responsible for related portions of Technical Specifications 064100, 081113, 081416, 083100, 087100, 087100.13, 101423, 102600, 102800, 104400, 123623.13 & 123661.16 implied by this bid package description, included but not restricted to:

1. ARCHITECTURAL WOOD CASEWORK
2. HOLLOW METAL DOORS AND FRAMES
3. FLUSH WOOD DOORS
4. ACCESS DOORS AND PANELS
5. DOOR HARDWARE
6. DOOR HARDWARE SCHEDULE
7. PANEL SIGNAGE
8. WALL & DOOR PROTECTION
9. TOILET, BATH AND LAUNDRY ACCESSORIES
10. FIRE PROTECTION SPECIALTIES
11. PLASTIC-LAMINATE-CLAD COUNTERTOPS
12. SOLID SURFACING COUNTERTOPS

Also Included:

1. Contractor to meet all environmental requirements for soil excavation
2. Contractor to Provide all shop drawings and submittals
3. Contractor to coordinate with Gopher State One for underground utility locations
4. Contractor to provide all required layouts for this bid package.
5. Contractor to provide and maintain record drawings, as built
6. Contractor to provide all required permits, fees, inspections, and documentation required to perform related work.
7. Contactor to employ own testing company to perform all testing required for this bid division
8. Contractor to employ representative to inspect and verify waterproofing is installed properly as per manufacturer's recommendations prior to backfilling.
9. Contractor to provide housekeeping and cleanup on a daily basis, as well as final cleanup required for their related work
10. Contractor to provide temporary water and electricity for its own work until the utilities are provided by owner
11. Contractor to coordinate schedule with bid divisions and Construction Manager
12. Contractor to provide enough man power to comply with aggressive project schedule
13. Contractor to comply with all safety regulations as required
14. Contractor to supply all Fencing, Barricades, Etc. required to maintain site safety for this bid package
15. Contractor to maintain and supply monthly payrolls reports
16. Contractor to Unload and inventory of all owner supplied materials pertaining to this bid package
17. Contractor is responsible for their own set of plans and specifications; including tables, schedules and notes
18. Contractor to include 5% Bid Bond or Cashier's Check with Bid submission
19. Contractor to note that all contracts, including multiple bid packages, entered in to with a value of 100,000 Dollars or greater, must provide Payment and Performance Bonds
20. Contractor to include 2% TERO tax in Base Bid
21. Contractor to withhold 5% of contract value for complete submission of required Close Out Documents identified in project specifications. Refer to Section 01 78 00.

Items not shown on contract drawings or indicated in other contract documents but reasonable inferable from the contract documents or necessary to the integrity and proper functioning of the work are included in the scope of work.

Bid Pack #: 6 CARPENTRY (Continued)

BIDDER FORM **BID PACKAGE _____**

Bidder's Name: _____

PRICING:

Our Lump Sum Base Bid for this work in Bid Package ____ is:

_____Dollars ($_____)
Base bid to be inclusive of all Bond costs and TERO Fees

ALTERNATE PRICING:

Our Lump Sum Price for Alternate No. 1 for this work in Bid Package ____ is:

_____Dollars ($_____)
Alternate bid to be inclusive of all Bond costs and TERO Fees

Our Lump Sum Price for Alternate No. 2 for this work in Bid Package ____ is:

_____Dollars ($_____)
Alternate bid to be inclusive of all Bond costs and TERO Fees

UNIT PRICING:
Labor cost per hour, include all profit and overhead

_____Dollars ($_____)
Tradesman cost per hour, include all profit and overhead

_____Dollars ($_____)

ADDENDA ACKNOWLEDGEMENT:

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

Name of Bidding Contractor: _____

Signed by: _____Date: _____

SUBCONTRACTORS

Provide a list of any intended use of sub-contractors with a description of their scope.

1._____

2._____

3._____

4._____

5._____

Bid Pack #: 9 GYPSUM WALL ASSEMBLY (Supply and Install)
Provide all labor, material, and equipment to complete site work section with total responsibility for Technical Specification Sections:

Sections Included:
00 0110 - TABLE OF CONTENTS
00 0200 - INVITATION TO BID
00 1000 - INSTRUCTIONS TO BIDDERS
00 3000 - FORMS
00 4100 - MULTIPLE CONTRACT BID PACKAGES AND BID FORMS
00 7000 - AIA DOCUMENT A232-2019, GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION - CONSTRUCTION MANAGER ADVISER
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PROPOSED CONSTRUCTION SCHEDULE
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01 5000 - TEMPORARY FACILITIES AND CONTROLS
01 6000 - PRODUCT REQUIREMENTS
01 7000 - EXECUTION AND CLOSEOUT REQUIREMENTS
01 7419 - CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL
01 7800 - CLOSEOUT SUBMITTALS
01 7900 - DEMONSTRATION AND TRAINING

This Bid Package is responsible for the SUPPLY AND INSTALL of sections listed below:

Also, responsible for related portions of Technical Specifications 092116, ~~072700~~, 078400, 068316, 072100 implied by this bid package description, included but not restricted to:

1. GYPSUM BOARD ASSEMBLIES
2. ~~AIR BARRIERS~~
3. FIRESTOPPING AS IT PERTAINS TO THIS BID PACKAGE
4. FIBERGLASS REINFORCED PANELING
5. THERMAL INSULATION as it pertains to this bid pack
    a. Note: Spec section 07 2100, sub section 2.1 A, 2.2 A, 3.1 A, 3.1 B, 3.2 A, B, C, D included in bid pack 3 Concrete.
    b. Note: Spec section 07 2100, sub section 2.1 B, 2.1 D, 2.2 B, 2.2 C, 3.1 A, 3.1 B, 3.3 A, 3.3 B, 3.5 A included in bid pack 6 Carpentry.

Also Included:
1. Contractor to meet all environmental requirements for soil excavation
2. Contractor to Provide all shop drawings and submittals
3. Contractor to coordinate with Gopher State One for underground utility locations
4. Contractor to provide all required layouts for this bid package.
5. Contractor to provide and maintain record drawings, as built
6. Contractor to provide all required permits, fees, inspections, and documentation required to perform related work.

7. Contactor to employ own testing company to perform all testing required for this bid division
8. Contractor to employ representative to inspect and verify waterproofing is installed properly as per manufacturer's recommendations prior to backfilling.
9. Contractor to provide housekeeping and cleanup on a daily basis, as well as final cleanup required for their related work
10. Contractor to provide temporary water and electricity for its own work until the utilities are provided by owner
11. Contractor to coordinate schedule with bid divisions and Construction Manager
12. Contractor to provide enough man power to comply with aggressive project schedule
13. Contractor to comply with all safety regulations as required
14. Contractor to supply all Fencing, Barricades, Etc. required to maintain site safety for this bid package
15. Contractor to maintain and supply monthly payrolls reports
16. Contractor to Unload and inventory of all owner supplied materials pertaining to this bid package
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18. Contractor to include 5% Bid Bond or Cashier's Check with Bid submission
19. Contractor to note that all contracts, including multiple bid packages, entered in to with a value of 100,000 Dollars or greater, must provide Payment and Performance Bonds
20. Contractor to include 2% TERO tax in Base Bid
21. Contractor to withhold 5% of contract value for complete submission of required Close Out Documents identified in project specifications. Refer to Sections 01 78 00.

Items not shown on contract drawings or indicated in other contract documents but reasonable inferable from the contract documents or necessary to the integrity and proper functioning of the work are included in the scope of work.

Bid Pack #: 9 GYPSUM WALL ASSEMBLY (Continued)

BIDDER FORM **BID PACKAGE** _____

Bidder's Name: _____

PRICING:

Our Lump Sum Base Bid for this work in Bid Package ____ is:

_____Dollars ($_____)
Base bid to be inclusive of all Bond costs and TERO Fees

UNIT PRICING:
Labor cost per hour, include all profit and overhead

_____Dollars ($_____)
Tradesman cost per hour, include all profit and overhead

_____Dollars ($_____)

ADDENDA ACKNOWLEDGEMENT:

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

Name of Bidding Contractor: _____

Signed by: _____Date: _____

SUBCONTRACTORS

Provide a list of any intended use of sub-contractors with a description of their scope.

1._____

2._____

3._____

4._____

5._____