

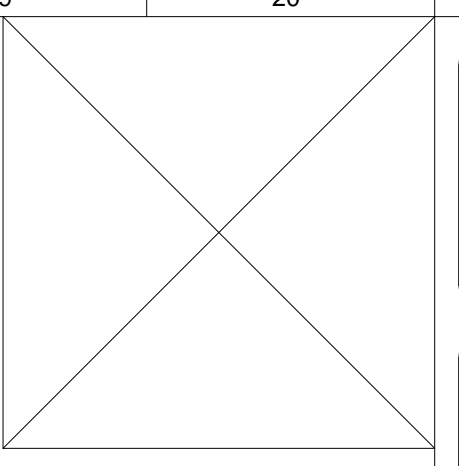
GENERAL NOTES

- THE COMPLETED INSTALLATION SHALL CONFORM TO ALL APPLICABLE CODES, ORDINANCES AND REGULATIONS.
- THE CONTRACTOR SHALL PROVIDE ALL REQUIRED MATERIAL, LABOR, TOOLS, EQUIPMENT AND SUPERVISION FOR A COMPLETE INSTALLATION.
- INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO MANUFACTURERS INSTRUCTIONS UNLESS OTHERWISE INDICATED.
- CONTRACTOR TO FIELD VERIFY ALL PIPING AND EQUIPMENT LOCATIONS.
- THESE DRAWINGS ARE SCHEMATIC IN NATURE AND INDICATE THE GENERAL AND APPROXIMATE LOCATION OF EQUIPMENT AND PIPING. DO NOT SCALE DRAWINGS. FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND FABRICATING PIPING.
- THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF WORK AND THE WORK OF OTHER TRADES. MINOR DEVIATIONS FROM THE PLANS MAY BE MADE TO AVOID MINOR CONFLICTS. WHEN MAJOR CONFLICTS ARE APPARENT, THE OWNER SHALL BE ADVISED IMMEDIATELY, AND THE AFFECTED WORK SHALL NOT BE INSTALLED UNTIL THE CONFLICT HAS BEEN RESOLVED.
- ALL NECESSARY ALLOWANCES AND PROVISIONS SHALL BE MADE BY THE CONTRACTOR FOR BEAMS, COLUMNS TO OTHER OBSTRUCTIONS OF THE BUILDING OR THE WORK OF OTHER CONTRACTORS WHETHER OR NOT SAME IS INDICATED, WHERE NECESSARY TO AVOID OBSTRUCTIONS.
- THE CONTRACTOR SHALL THOROUGHLY CLEAN THE WORK AREA DAILY. CONTRACTOR SHALL ALSO REMOVE ALL OF THE TRASH AND DEBRIS AFTER COMPLETION OF THE WORK.
- EXCESSIVE CUTTING AND SIMILAR OPERATIONS LIKELY TO WEAKEN A BUILDING STRUCTURE TO FACILITATE THE PIPING INSTALLATION WILL NOT BE PERMITTED. IMPLEMENT SUITABLE MEASURES THROUGHOUT THE CONSTRUCTION PERIOD TO PREVENT TRASH AND DIRT FROM ENTERING PIPES, BEFORE, DURING AND AFTER INSTALLATION. UNLESS OTHERWISE INDICATED, RUN PIPING PARALLEL TO THE WALLS OF THE BUILDING. ERECT VERTICAL PIPING STRAIGHT AND PLUMB. WHERE PIPE IS TO BE INSULATED, PROVIDE A CLEARANCE EQUAL TO THE INSULATION PLUS A MINIMUM OF 1 INCH ALL AROUND.
- THE INTERIOR SURFACES OF PIPING SHALL BE SMOOTH AND ENTIRELY FREE FROM OBSTRUCTIONS TO FLOW. CLEAN AND FLUSH THE SYSTEMS BEFORE CONNECTING TO EQUIPMENT. VERIFY THAT ALL FOREIGN MATERIAL HAS BEEN REMOVED BEFORE PLACING IN SERVICE.
- LABEL PIPING AND EQUIPMENT PER THE SPECIFICATIONS.
- SUPPORT PIPING AND EQUIPMENT PER THE SPECIFICATIONS AND MANUFACTURERS INSTRUCTIONS.
- PROVIDE DIELECTRIC UNIONS/FITTINGS IN PIPING AT CONNECTIONS OF DISSIMILAR METAL PIPING AND TUBING.
- PRIOR TO PIPING WORK, CAREFULLY INSPECT THE INSTALLED WORK AND EXCAVATION AND VERIFY THAT ALL SUCH WORK IS COMPLETE TO THE POINT WHERE THE PIPING MAY BE INSTALLED IN ACCORDANCE WITH THESE DOCUMENTS. FOLLOW THE DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OF OTHER TRADES TO VERIFY SUFFICIENT SPACE TO INSTALL PIPING. UNDIMENSIONED DRAWINGS ARE INTENDED TO INDICATE THE GENERAL ARRANGEMENT OF PIPING SYSTEMS AND ARE NOT INTENDED TO CONVEY PRECISE LOCATIONAL INFORMATION. COORDINATE WITH OTHER TRADES TO PERMIT ALL PHASES OF THE WORK TO BE INSTALLED. OFFSETS, FITTINGS AND EXTRA PIPE, NECESSARY TO AVOID INTERFERENCE OR PROVIDE MAXIMUM HEADROOM AND SPACE, SHALL BE FURNISHED AND INSTALLED WITHOUT ADDITIONAL EXPENSE TO THE OWNER. IF THE PIPING IS INSTALLED WITHOUT COORDINATING WITH OTHER PHASES OF THE WORK SO AS TO CAUSE INTERFERENCE, THE NECESSARY CHANGES SHALL BE MADE AT NO EXTRA CHARGE.

- MAKE CHANGES IN DIRECTION IN DRAINAGE PIPING BY THE APPROPRIATE USE OF 45 DEGREE WYES; ONE-HALF WYES; LONG SWEEP QUARTER BENDS; SIXTH, EIGHTH OR SIXTEENTH BENDS; OR A COMBINATION OF THESE FITTINGS. NO CHANGES IN DIRECTION GREATER THAN 90 DEGREES SHALL BE MADE IN DRAINAGE PIPING. WHERE DIFFERENT SIZES OF DRAINAGE PIPES OR PIPES AND FITTINGS ARE TO BE CONNECTED, USE CORRECTLY SIZED STANDARD INCREASERS OR REDUCERS. DRILLING AND TAPPING OF DRAINS AND THE USE OF SADDLE HUBS AND BENDS ARE PROHIBITED.
- EXAMINE ROUGHING-IN OF DRAINAGE PIPING SYSTEMS TO VERIFY ACTUAL LOCATIONS OF PIPING CONNECTIONS BEFORE PLUMBING SPECIALTIES ARE INSTALLED. EXAMINE FLOORS AND WALLS FOR SUITABLE LOCATIONS.
- SEAL JOINTS BETWEEN PLUMBING SPECIALTIES AND WALLS USING MILDEW-RESISTANT SILICONE SEALANT.
- EXCAVATE AND SHAPE TRENCH BOTTOMS TO PROVIDE UNIFORM BEARING AND SUPPORT OF PIPES. SHAPE SUBGRADE TO PROVIDE CONTINUOUS SUPPORT FOR BELLS, JOINTS AND BARRELS OF PIPES. REMOVE PROJECTING STONES AND SHARP OBJECTS ALONG TRENCH SUBGRADE. EXCAVATE TRENCHES 6 INCHES DEEPER THAN ELEVATION REQUIRED IN ROCK OR OTHER UNYIELDING BEARING MATERIAL, 4 INCHES DEEPER ELSEWHERE, TO ALLOW FOR BEDDING COURSE.
- PLACE BACKFILL ON SUBGRADES FREE OF MUD, FROST, SNOW OR ICE. PLACE AND COMPACT BEDDING COURSE ON TRENCH BOTTOMS. SHAPE BEDDING COURSE TO PROVIDE CONTINUOUS SUPPORT FOR BELLS, JOINTS AND BARRELS OF PIPES.
- BACKFILL TRENCHES EXCAVATED AND WITHIN 18 INCHES OF BOTTOM OF FOOTINGS WITH SATISFACTORY SOIL; FILL WITH CONCRETE TO ELEVATION OF BOTTOM OF FOOTINGS.
- PLACE AND COMPACT INITIAL BACKFILL OF SUB-BASE MATERIAL, FREE OF PARTICLES LARGER THAN 1 INCH IN ANY DIMENSION, TO A HEIGHT OF 12 INCHES OVER THE PIPE. CAREFULLY COMPACT THE INITIAL BACKFILL UNDER PIPE HAUNCHES AND COMPACT EVENLY UP ON BOTH SIDES AND ALONG THE FULL LENGTH OF UTILITY PIPING. PLACE AND COMPACT FINAL BACKFILL OF SATISFACTORY SOIL TO FINAL SUBGRADE ELEVATION. INSTALL WARNING TAPE DIRECTLY ABOVE UTILITIES, 12 INCHES BELOW FINISHED GRADE, EXCEPT 6 INCHES BELOW SUBGRADE UNDER SLABS.
- INSTALL HOSE-BIBBS AND WALL HYDRANTS 18 INCHES ABOVE FINISHED FLOOR OR GRADE UNLESS OTHERWISE NOTED.
- COORDINATE PLUMBING EQUIPMENT AND MATERIAL LOCATIONS WITH ELECTRICAL, HVAC, FIRE SUPPRESSION, STRUCTURAL AND ARCHITECTURAL PLANS TO AVOID CONFLICTS.
- ALL PLUMBING EQUIPMENT SHALL BE INSTALLED IN SUCH A MANNER SO THAT ALL VALVES, ETC., ARE COMPLETELY ACCESSIBLE AND SERVICEABLE, INCLUDING ACCESS DOORS IF REQUIRED.
- WHERE PIPING PASSES THROUGH FIRE AND/OR SMOKE RATED WALLS OR CEILING, OPENINGS SHALL BE FIRE AND/OR SMOKE STOPPED PER THE APPROPRIATE UL DETAIL.

LEGEND AND ABBREVIATIONS

<p>--- SAN --- SANITARY SOIL & WASTE (BELOW FLOOR)</p> <p>— SAN — SANITARY SOIL & WASTE (ABOVE FLOOR)</p> <p>----- SANITARY VENT</p> <p>— -- — DOMESTIC COLD WATER</p> <p>----- DOMESTIC HOT WATER</p> <p>--- -- --- DOMESTIC HOT WATER RECIRCULATING</p> <p> BALL VALVE</p> <p> CHECK VALVE</p> <p> DIRECTION OF FLOW IN PIPE</p> <p> T & P RELIEF VALVE</p> <p> PIPE UNION OR FLANGE</p> <p>FCO WCO PIPE CLEANOUT (F = FLOOR, W = WALL)</p>	<p> HB HOSE BIBB</p> <p> WH WALL HYDRANT</p> <p>FD-0" FLOOR DRAIN WITH TRAP</p> <p> PIPE TURNING UP</p> <p> PIPE TURNING DOWN</p> <p>ADA AMERICANS WITH DISABILITIES ACT</p> <p>AFF ABOVE FINISHED FLOOR</p> <p>CL CENTER LINE</p> <p>CLG CEILING</p> <p>CO CLEANOUT</p> <p>CW DOMESTIC COLD WATER</p> <p>DCW DOMESTIC COLD WATER</p> <p>DHW DOMESTIC HOT WATER</p> <p>DHWR DOMESTIC HOT WATER RECIRC</p> <p>DEG DEGREES</p>	<p>DN DOWN</p> <p>DWG DRAWING</p> <p>(E) EXISTING</p> <p>EL ELEVATION</p> <p>ERL EMERGENCY RAIN LEADER (SECONDARY)</p> <p>F FAHRENHEIT</p> <p>FCO FLOOR CLEANOUT</p> <p>FD FLOOR DRAIN</p> <p>GPF GALLONS PER FLUSH</p> <p>GPH GALLONS PER HOUR</p> <p>GPM GALLONS PER MINUTE</p> <p>HET HIGH EFFICIENCY TOILET</p> <p>HEU HIGH EFFICIENCY URINAL</p> <p>HP HORSEPOWER</p> <p>INV EL INVERT ELEVATION</p> <p>MAX MAXIMUM</p> <p>MIN MINIMUM</p>	<p> SHOCK ABSORBER (PLUMBING AND DRAINAGE INSTITUTE SIZING)</p> <p>PDI=0" PH PHASE</p> <p>RD ROOF DRAIN (COMBINATION)</p> <p>RECIRC RECIRCULATING</p> <p>RL RAIN LEADER (PRIMARY)</p> <p>RPZ REDUCED PRESSURE ZONE BACKFLOW PREVENTER</p> <p>SAN SANITARY</p> <p>SS STAINLESS STEEL</p> <p>ST STORM</p> <p>T&P TEMPERATURE & PRESSURE</p> <p>TYP TYPICAL</p> <p>V VENT</p> <p>VTR VENT THRU ROOF</p> <p>W WASTE</p> <p>WCO WALL CLEANOUT</p>
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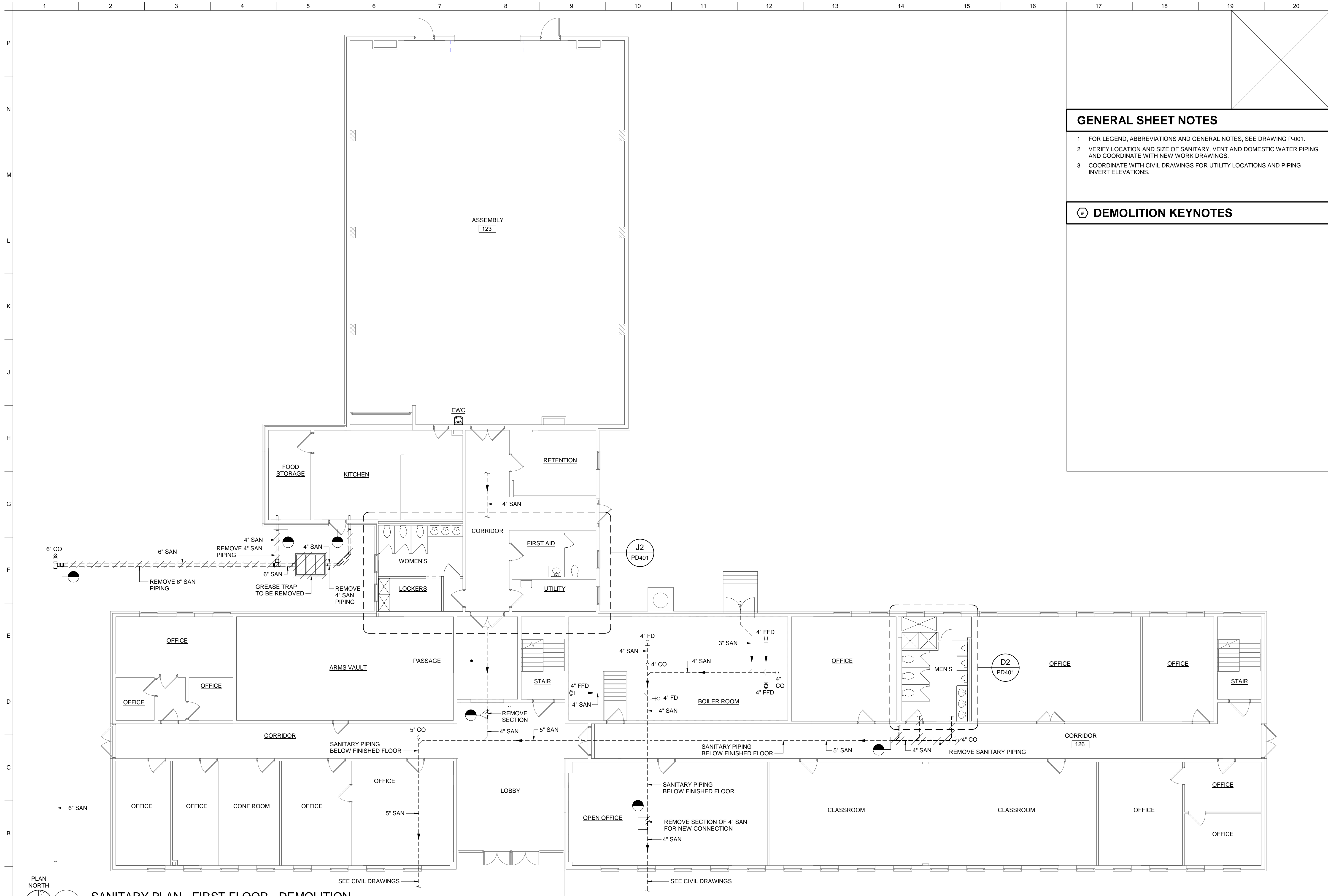
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SUBMITTED BY: SIZE: ANSI D	
US ARMY CORPS OF ENGINEERS LOUISVILLE DISTRICT LOUISVILLE, KY JOHN C. GRIMBERG CO. ROCKVILLE, MD WILEY WILSON ALEXANDRIA, VA	

UNITED STATES ARMY RESERVE CENTER, SALEM, VA
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LEGEND, ABBREVIATIONS AND GENERAL NOTES

SHEET ID
P-001



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GENERAL SHEET NOTES

- 1 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES, SEE DRAWING P-001.
- 2 VERIFY LOCATION AND SIZE OF SANITARY, VENT AND DOMESTIC WATER PIPING AND COORDINATE WITH NEW WORK DRAWINGS.
- 3 COORDINATE WITH CIVIL DRAWINGS FOR UTILITY LOCATIONS AND PIPING INVERT ELEVATIONS.

DEMOLITION KEYNOTES

MARK	DESCRIPTION	DATE

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JOHN C. GRIMBERG CO.	ROCKVILLE, MD	WILEY WILSON
		ALEXANDRIA, VA

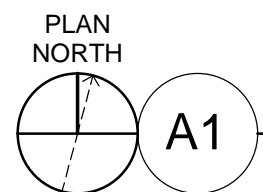
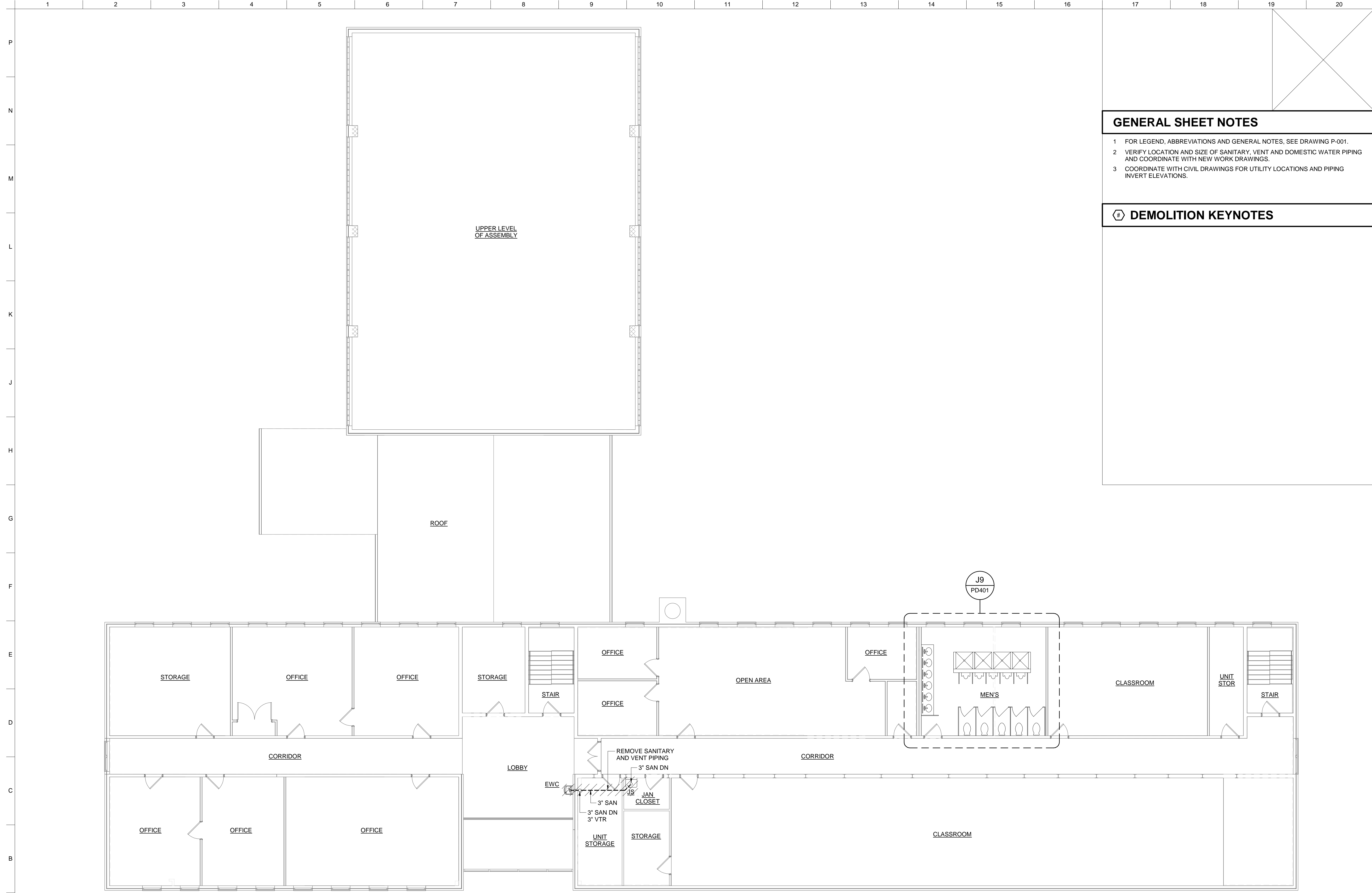
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 P2 #: 498678
 TC SANITARY PLAN - FIRST FLOOR - DEMOLITION

SHEET ID
 TC
 PD101

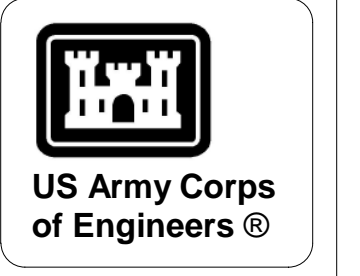
PLAN NORTH
A1
 SANITARY PLAN - FIRST FLOOR - DEMOLITION
 SCALE: 1/8" = 1'-0"



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SANITARY PLAN - SECOND FLOOR - DEMOLITION
 SCALE: 1/8" = 1'-0"



MARK	DESCRIPTION	DATE

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US ARMY CORPS OF ENGINEERS
 LOUISVILLE DISTRICT
 LOUISVILLE, KY

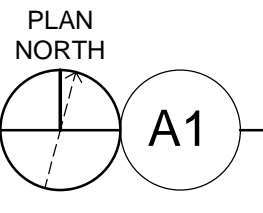
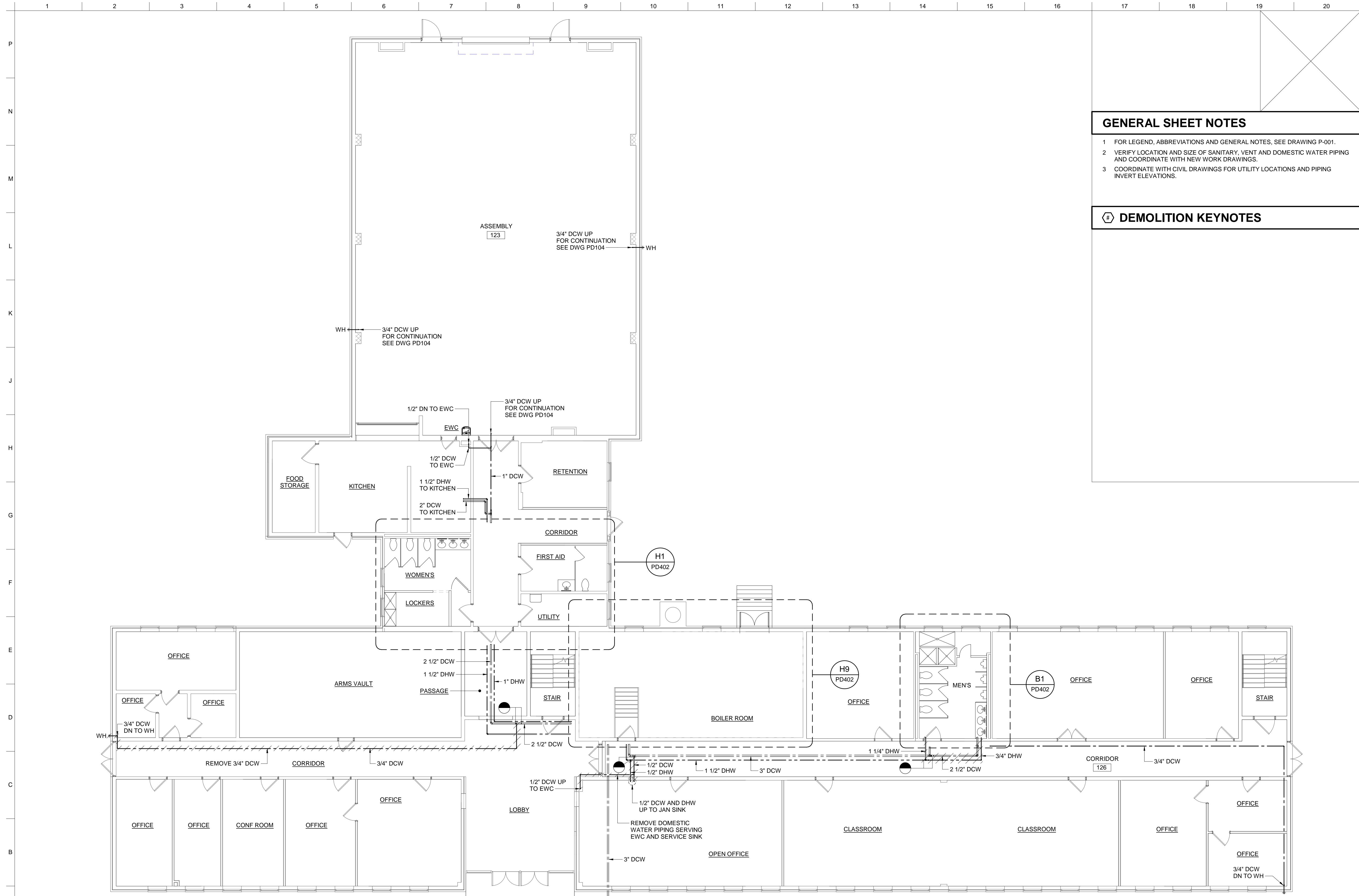
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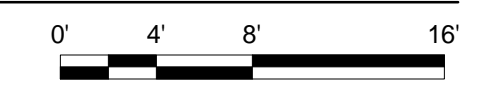
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TC SANITARY PLAN - SECOND FLOOR - DEMOLITION

SHEET ID
**TC
 PD102**



DOMESTIC WATER PLAN - FIRST FLOOR - DEMOLITION
 SCALE: 1/8" = 1'-0"



GENERAL SHEET NOTES

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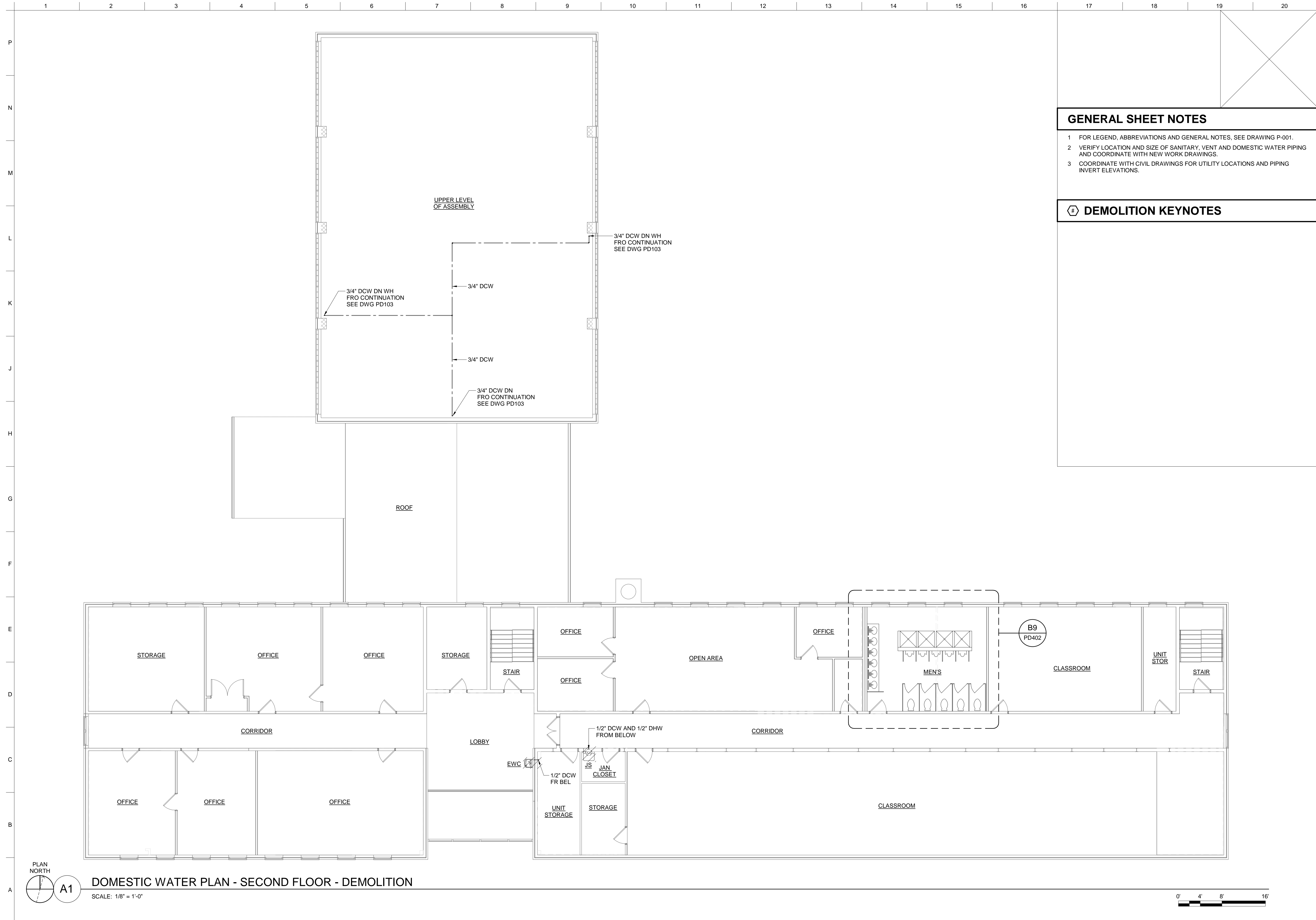
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 LOUISVILLE, KY
 JOHN C. GRIMBERG CO.
 ROCKVILLE, MD
 WILEY WILSON
 ALEXANDRIA, VA

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 TC DOMESTIC WATER PLAN - FIRST FLOOR - DEMOLITION

SHEET ID
 TC
 PD103



US Army Corps
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GENERAL SHEET NOTES

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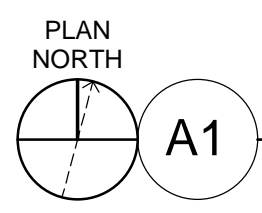
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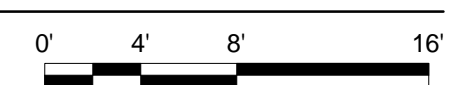
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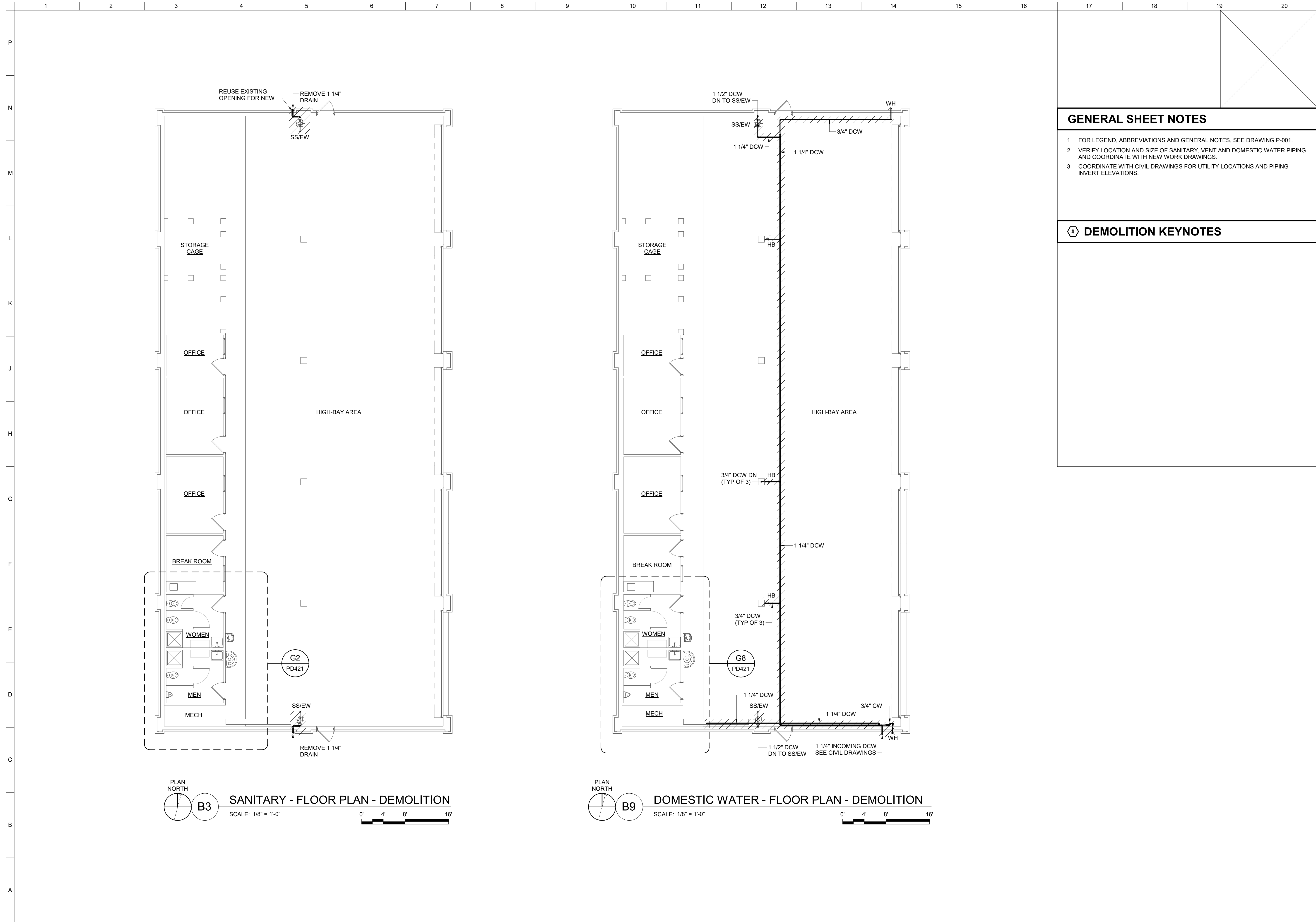
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 P2 #: 498678
 TC DOMESTIC WATER PLAN - SECOND FLOOR -
 DEMOLITION

SHEET ID
 TC
 PD104



A1 DOMESTIC WATER PLAN - SECOND FLOOR - DEMOLITION
 SCALE: 1/8" = 1'-0"

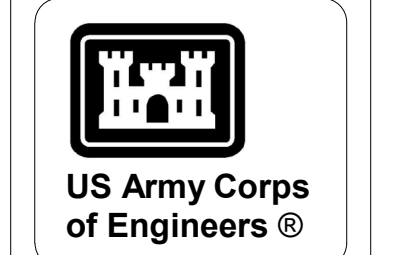




GENERAL SHEET NOTES

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DEMOLITION KEYNOTES



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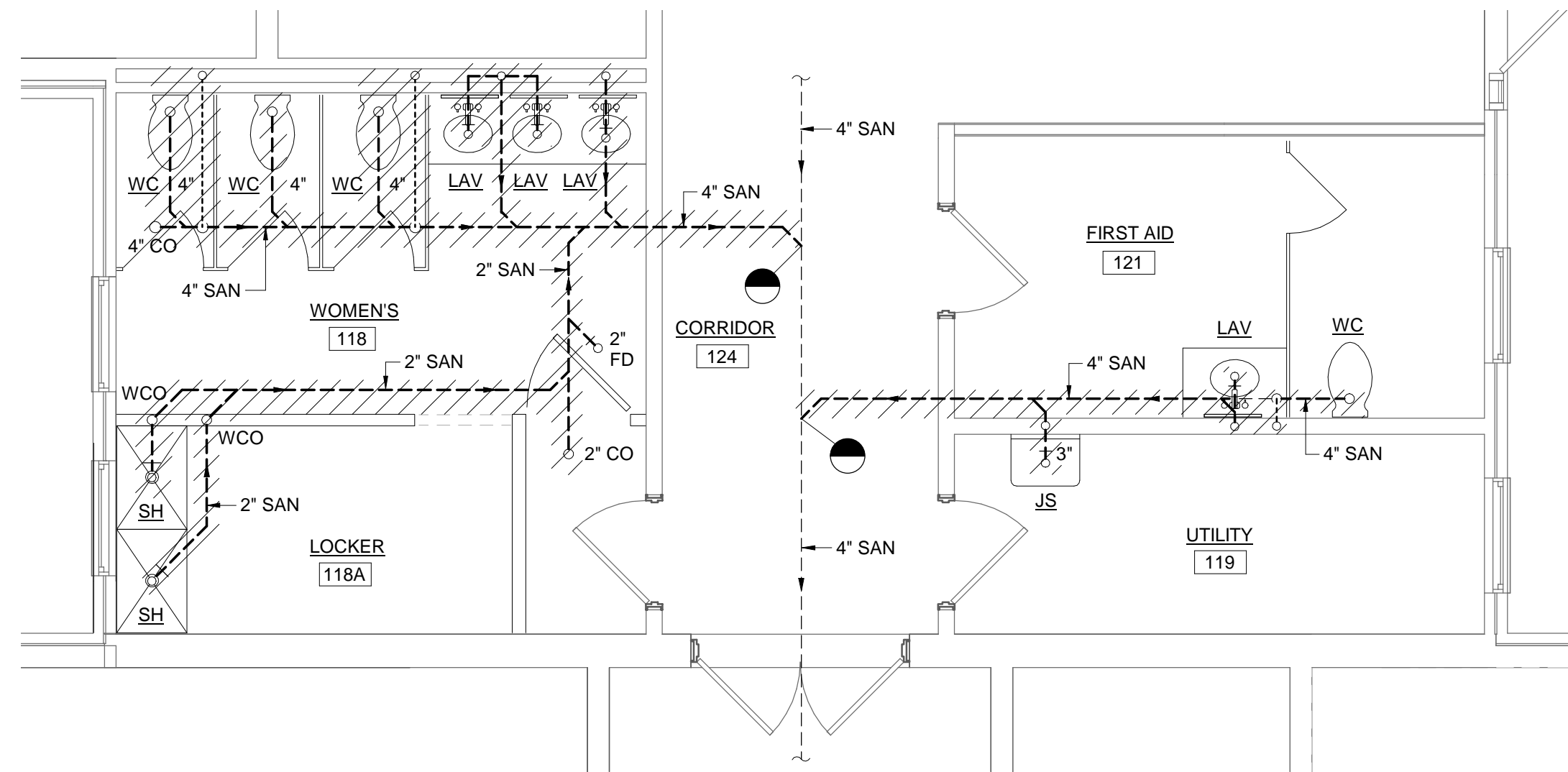
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 VMS PLUMBING FLOOR PLANS - DEMOLITION

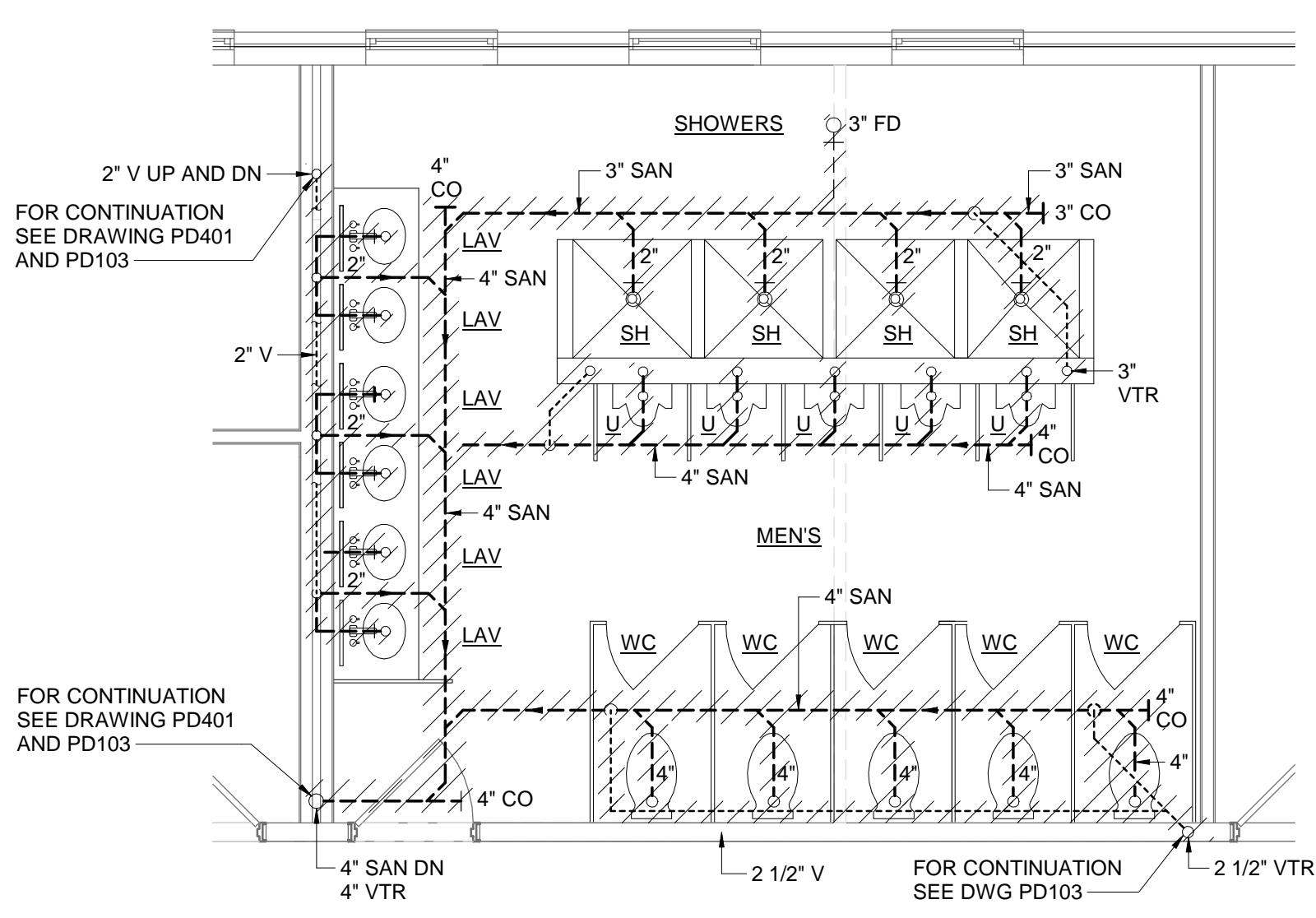
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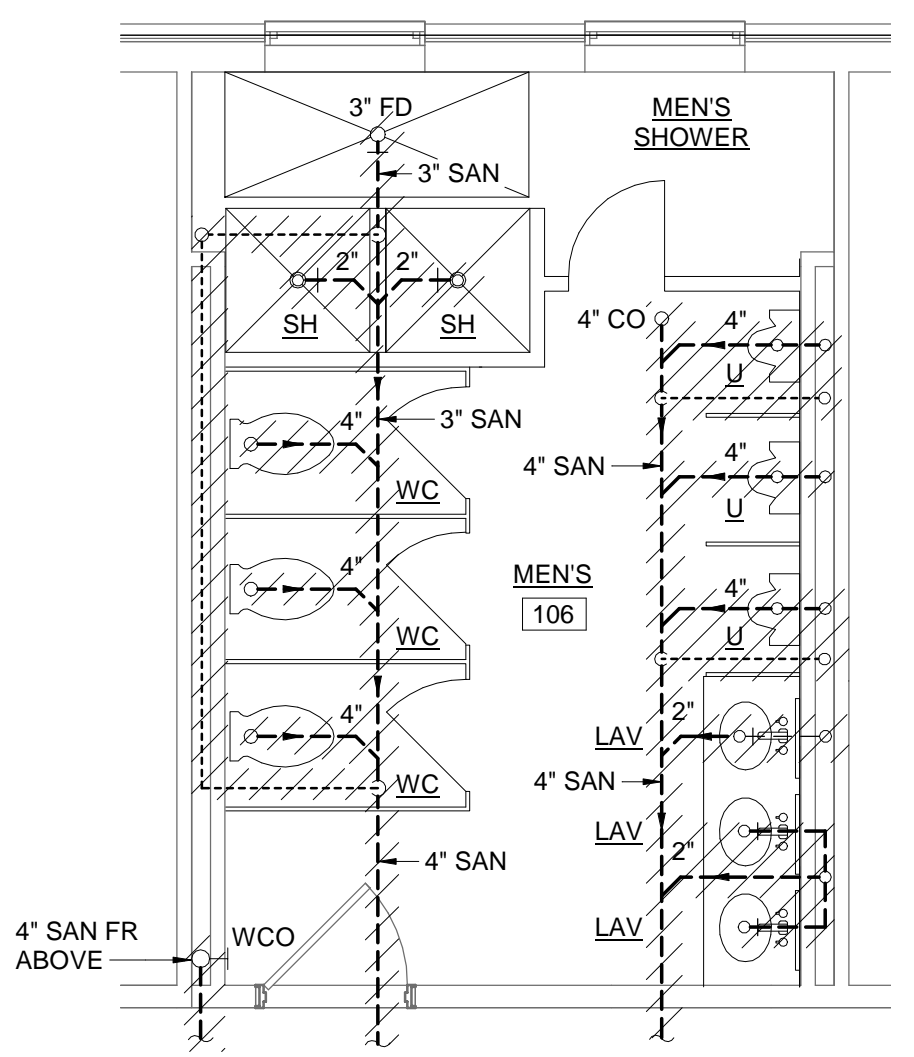
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J2 ENLARGED SANITARY PLAN - FIRST FLOOR WOMEN'S - DEMOLITION
SCALE: 1/4" = 1'-0"
0' 2' 4' 8'



J9 ENLARGED SANITARY PLAN - SECOND FLOOR MEN'S - DEMOLITION
SCALE: 1/4" = 1'-0"
0' 2' 4' 8'



D2 ENLARGED SANITARY PLAN - FIRST FLOOR MEN'S - DEMOLITION
SCALE: 1/4" = 1'-0"
0' 2' 4' 8'

GENERAL SHEET NOTES

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DEMOLITION KEYNOTES

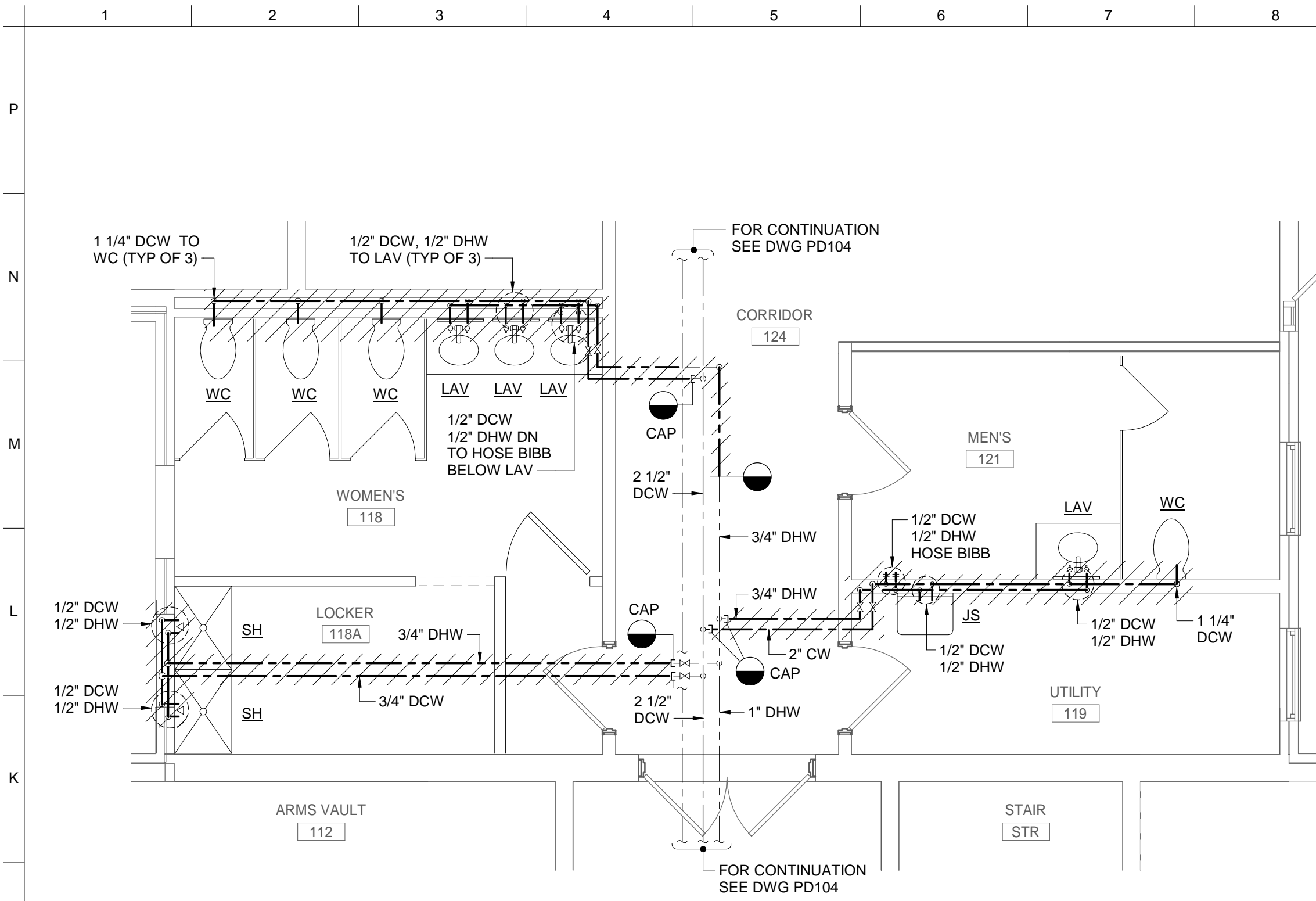
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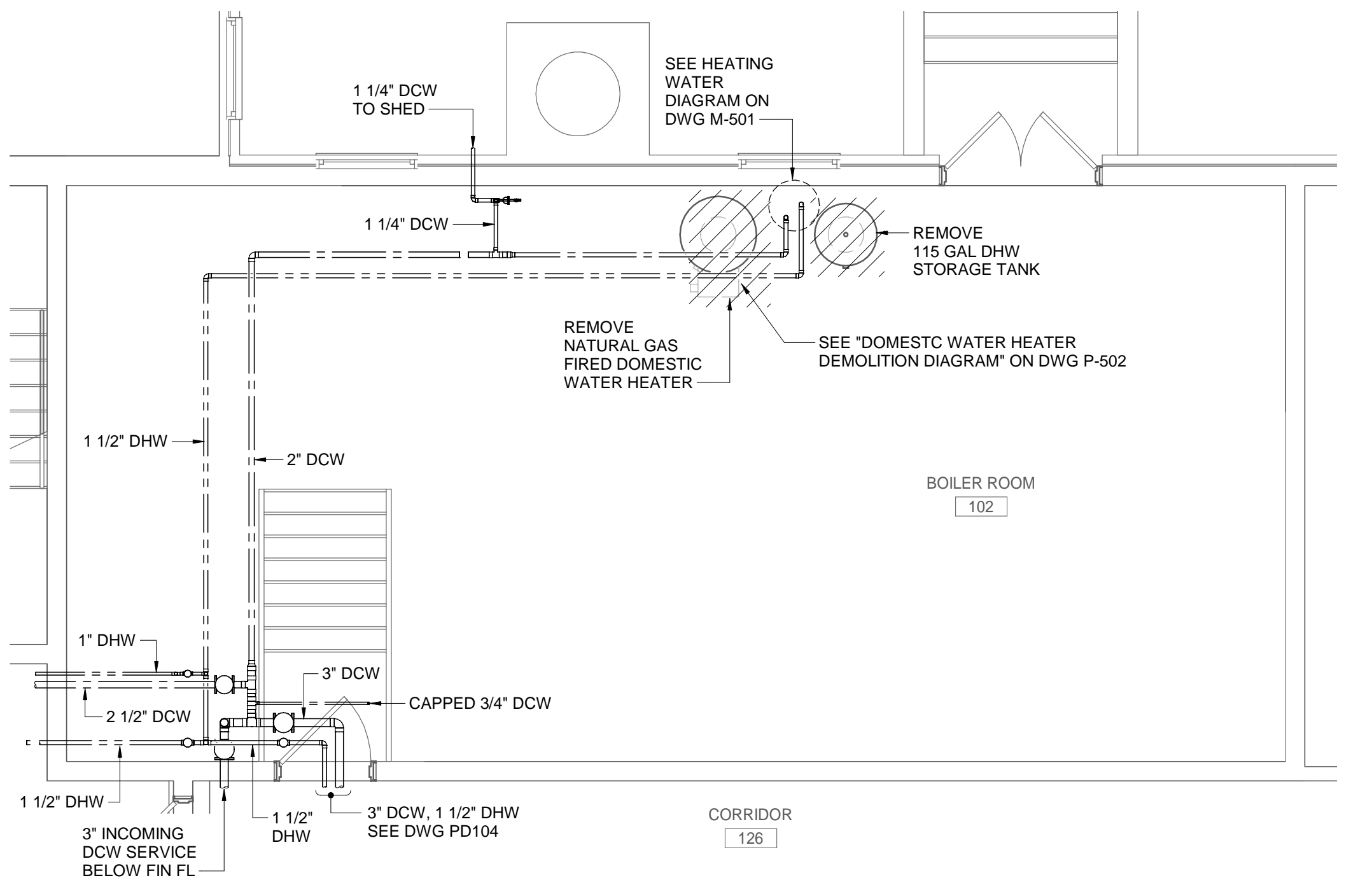
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TC ENLARGED SANITARY PLANS - DEMOLITION

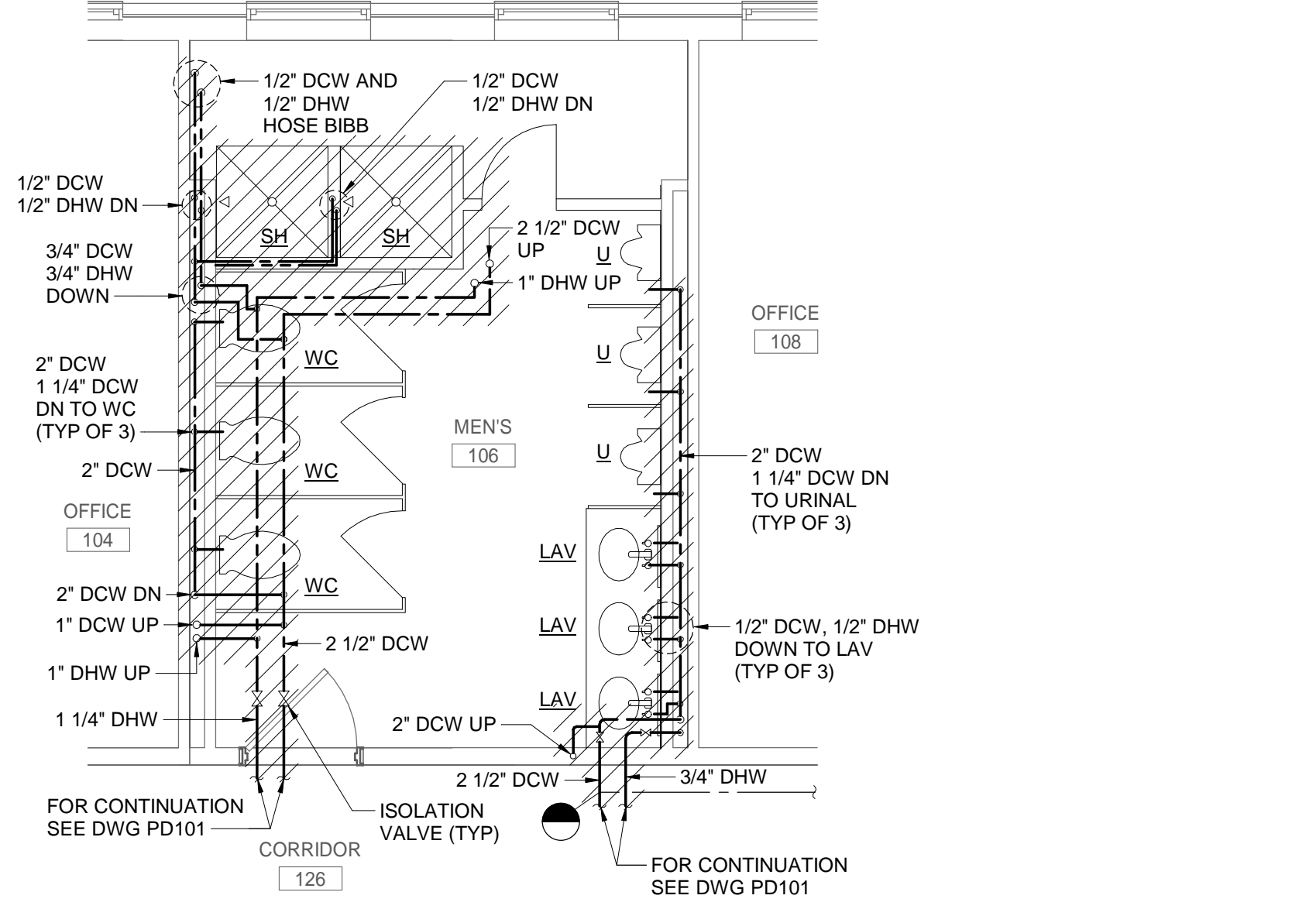
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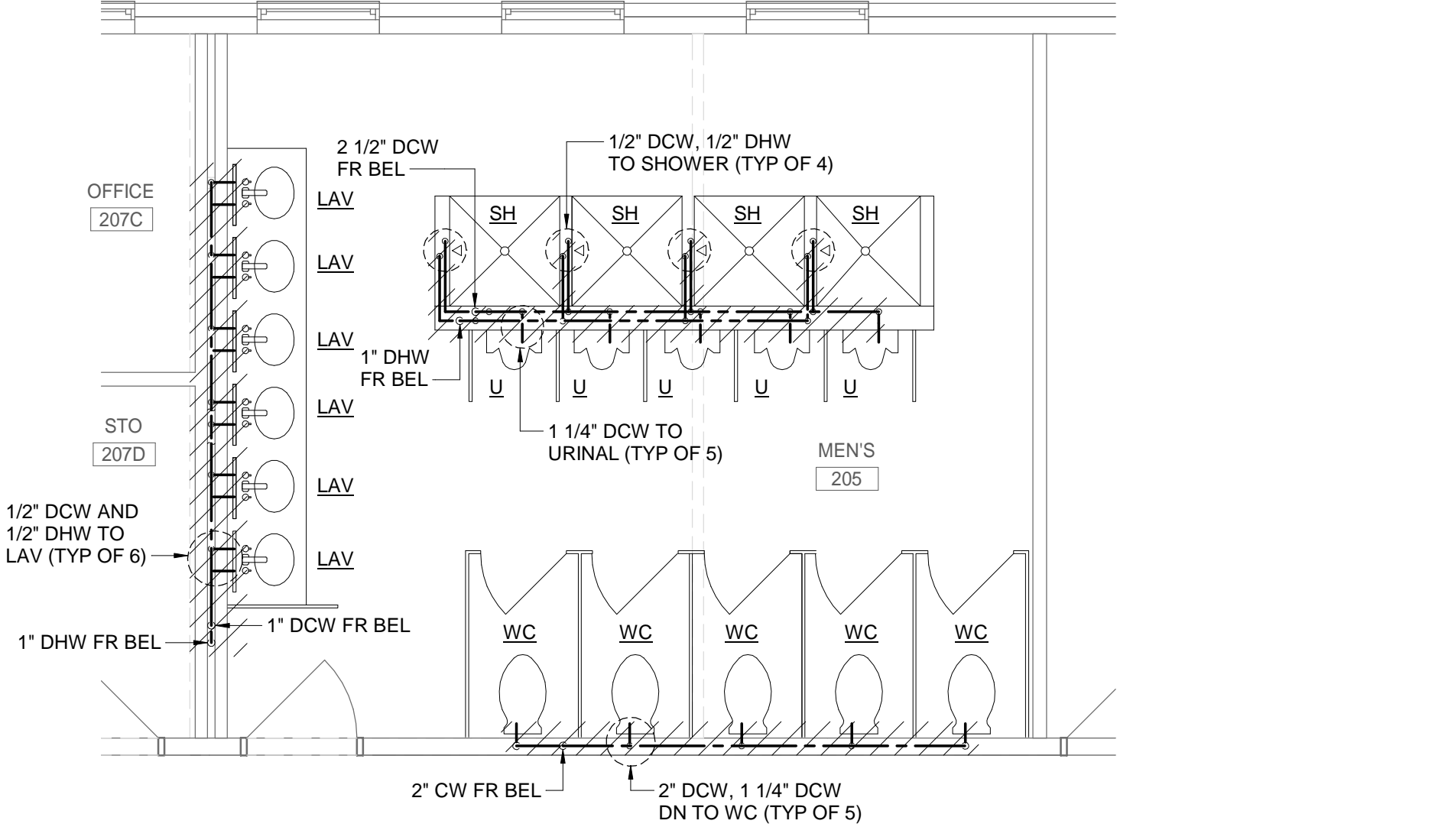
H1 ENLARGED DOMESTIC WATER PLAN - FIRST FLOOR WOMEN'S - DEMOLITION
 SCALE: 1/4" = 1'-0"
 0' 2' 4' 8'



H9 ENLARGED DOMESTIC WATER PLAN - FIRST FLOOR MECH ROOM - DEMOLITION
 SCALE: 1/4" = 1'-0"
 0' 2' 4' 8'



B1 ENLARGED DOMESTIC WATER PLAN - FIRST FLOOR MEN'S - DEMOLITION
 SCALE: 1/4" = 1'-0"
 0' 2' 4' 8'



B9 ENLARGED DOMESTIC WATER PLAN - SECOND FLOOR MEN'S - DEMOLITION
 SCALE: 1/4" = 1'-0"
 0' 2' 4' 8'



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DEMOLITION KEYNOTES

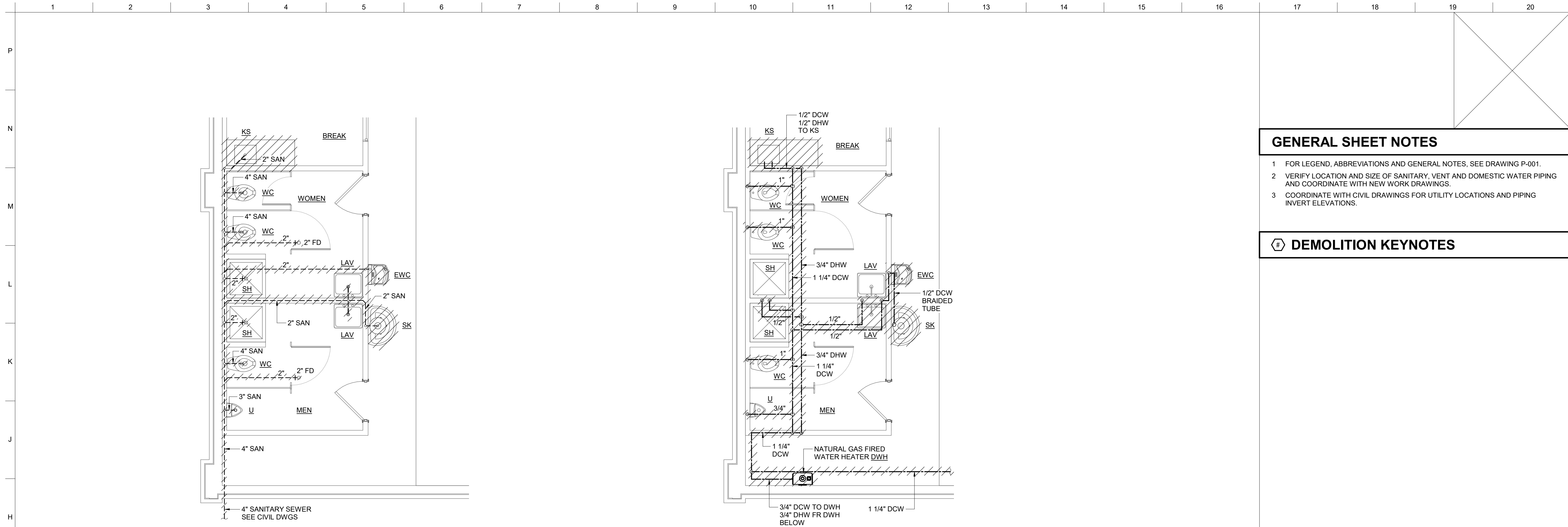
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CONTRACT NO.:	CHECKED BY:
W9120R22R0040	KEL
DATE:	SUBMITTED BY:
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US ARMY CORPS OF ENGINEERS
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 P2 #: 498678
TC ENLARGED DOMESTIC WATER PLANS - DEMOLITION

SHEET ID
**TC
 PD402**



PLAN NORTH
G2
ENLARGED SANITARY - FLOOR PLAN - DEMOLITION
 SCALE: 1/4" = 1'-0"
 0' 2' 4' 8'

PLAN NORTH
G8
ENLARGED DOMESTIC WATER - FLOOR PLAN - DEMOLITION
 SCALE: 1/4" = 1'-0"
 0' 2' 4' 8'

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- 3 COORDINATE WITH CIVIL DRAWINGS FOR UTILITY LOCATIONS AND PIPING INVERT ELEVATIONS.

DEMOLITION KEYNOTES

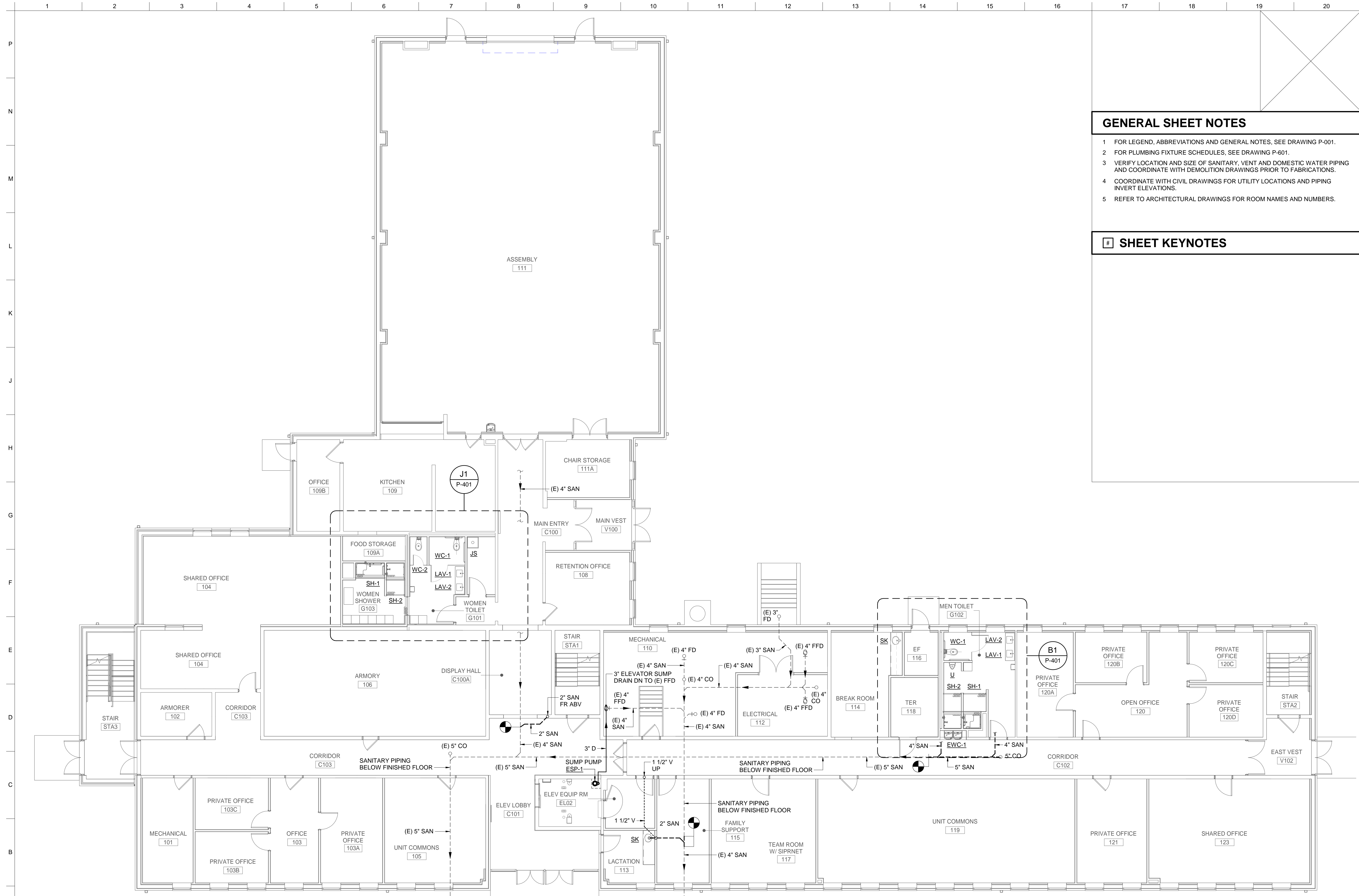
MARK	DESCRIPTION	DATE

DESIGNED BY: JFC	ISSUE DATE: FEBRUARY 22, 2023
DRAWN BY: JFC	SOLICITATION NO.: W912OR22R0040
CHECKED BY: KEL	CONTRACT NO.: W912OR22R0040
SUBMITTED BY: 	
SIZE: ANSI D	

US ARMY CORPS OF ENGINEERS LOUISVILLE DISTRICT LOUISVILLE, KY	UNITED STATES ARMY RESERVE CENTER, SALEM, VA TRAINING CENTER RENOVATION & ADDITION P2 #: 498678
JOHN C. GRIMBERG CO. ROCKVILLE, MD	VMS ENLARGED PLUMBING PLANS - DEMOLITION
WILEY WILSON ALEXANDRIA, VA	SHEET ID VMS PD421



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GENERAL SHEET NOTES

- 1 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES, SEE DRAWING P-001.
- 2 FOR PLUMBING FIXTURE SCHEDULES, SEE DRAWING P-601.
- 3 VERIFY LOCATION AND SIZE OF SANITARY, VENT AND DOMESTIC WATER PIPING AND COORDINATE WITH DEMOLITION DRAWINGS PRIOR TO FABRICATIONS.
- 4 COORDINATE WITH CIVIL DRAWINGS FOR UTILITY LOCATIONS AND PIPING INVERT ELEVATIONS.
- 5 REFER TO ARCHITECTURAL DRAWINGS FOR ROOM NAMES AND NUMBERS.

SHEET KEYNOTES

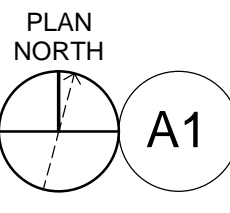
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SUBMITTED BY:	SIZE: ANSI D
US ARMY CORPS OF ENGINEERS LOUISVILLE DISTRICT LOUISVILLE, KY	JOHN C. GRIMBERG CO. ROCKVILLE, MD WILEY/WILSON ALEXANDRIA, VA

UNITED STATES ARMY RESERVE CENTER, SALEM, VA
TRAINING CENTER RENOVATION & ADDITION
P2 #: 498678

TC SANITARY PLAN - FIRST FLOOR - NEW WORK

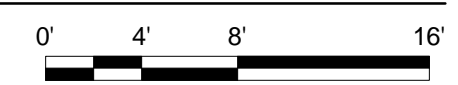
SHEET ID
TC
P-101



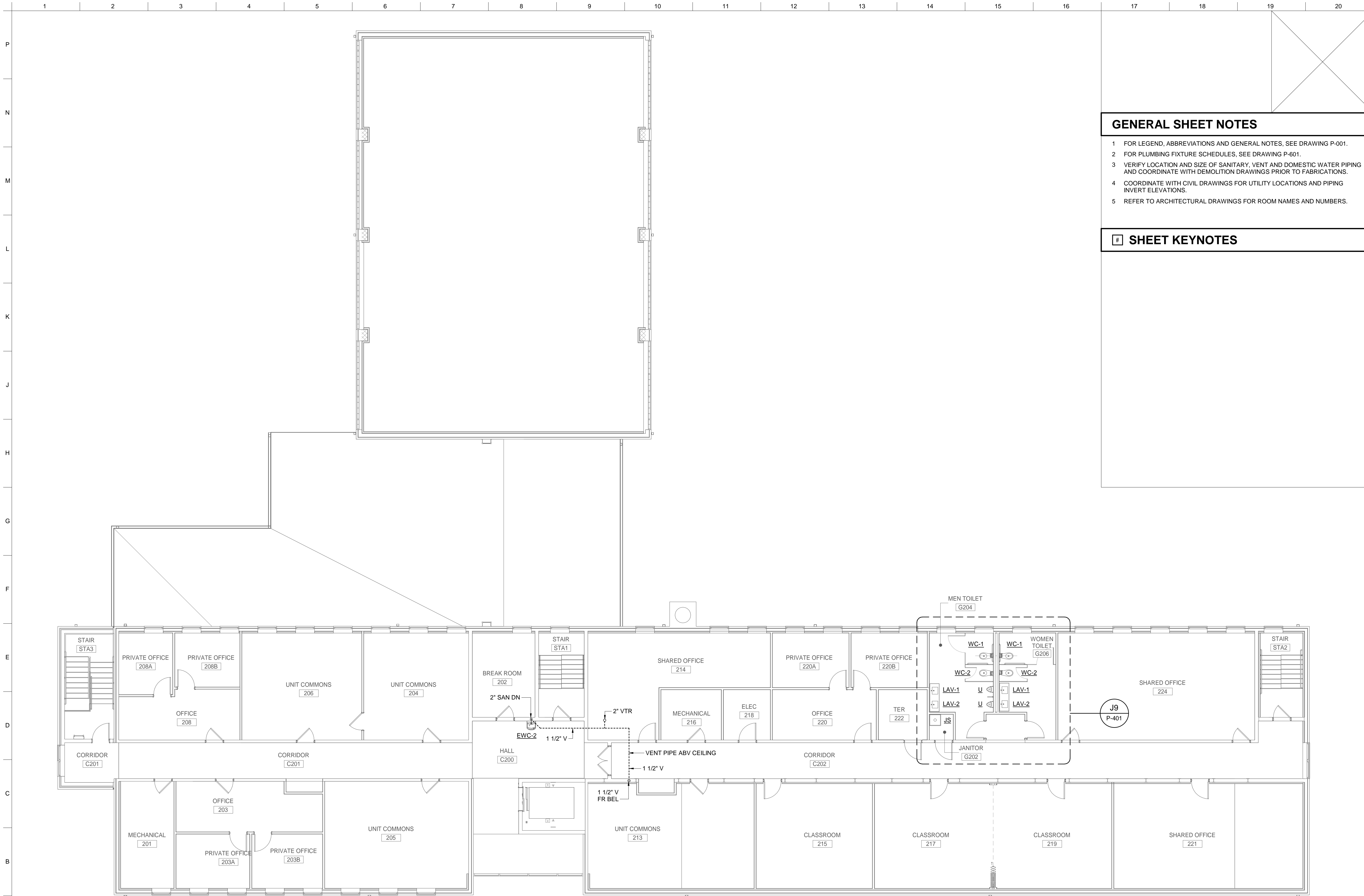
A1

SANITARY PLAN - FIRST FLOOR - NEW WORK

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



Plot Date: 2/22/2023 8:52:02 AM File Path: C:\Users\jfc\appdata\Local\Temp\1012222023\101_P_CENTRAL_01.dwg



GENERAL SHEET NOTES

- 1 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES, SEE DRAWING P-001.
- 2 FOR PLUMBING FIXTURE SCHEDULES, SEE DRAWING P-601.
- 3 VERIFY LOCATION AND SIZE OF SANITARY, VENT AND DOMESTIC WATER PIPING AND COORDINATE WITH DEMOLITION DRAWINGS PRIOR TO FABRICATIONS.
- 4 COORDINATE WITH CIVIL DRAWINGS FOR UTILITY LOCATIONS AND PIPING INVERT ELEVATIONS.
- 5 REFER TO ARCHITECTURAL DRAWINGS FOR ROOM NAMES AND NUMBERS.

SHEET KEYNOTES



MARK	DESCRIPTION	DATE

DESIGNED BY: JFC	ISSUE DATE: FEBRUARY 22, 2023
DRAWN BY: JFC	SOLUTION NO.: W912OR22R040
CHECKED BY: KEL	CONTRACT NO.:
SUBMITTED BY:	W912OR22R040
SIZE: ANSI D	

US ARMY CORPS OF ENGINEERS
LOUISVILLE DISTRICT
LOUISVILLE, KY

JOHN C. GRIMBERG CO.
ROCKVILLE, MD

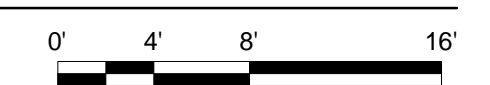
WILEY WILSON
ALEXANDRIA, VA

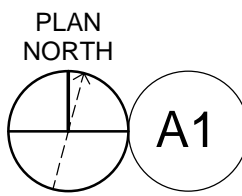
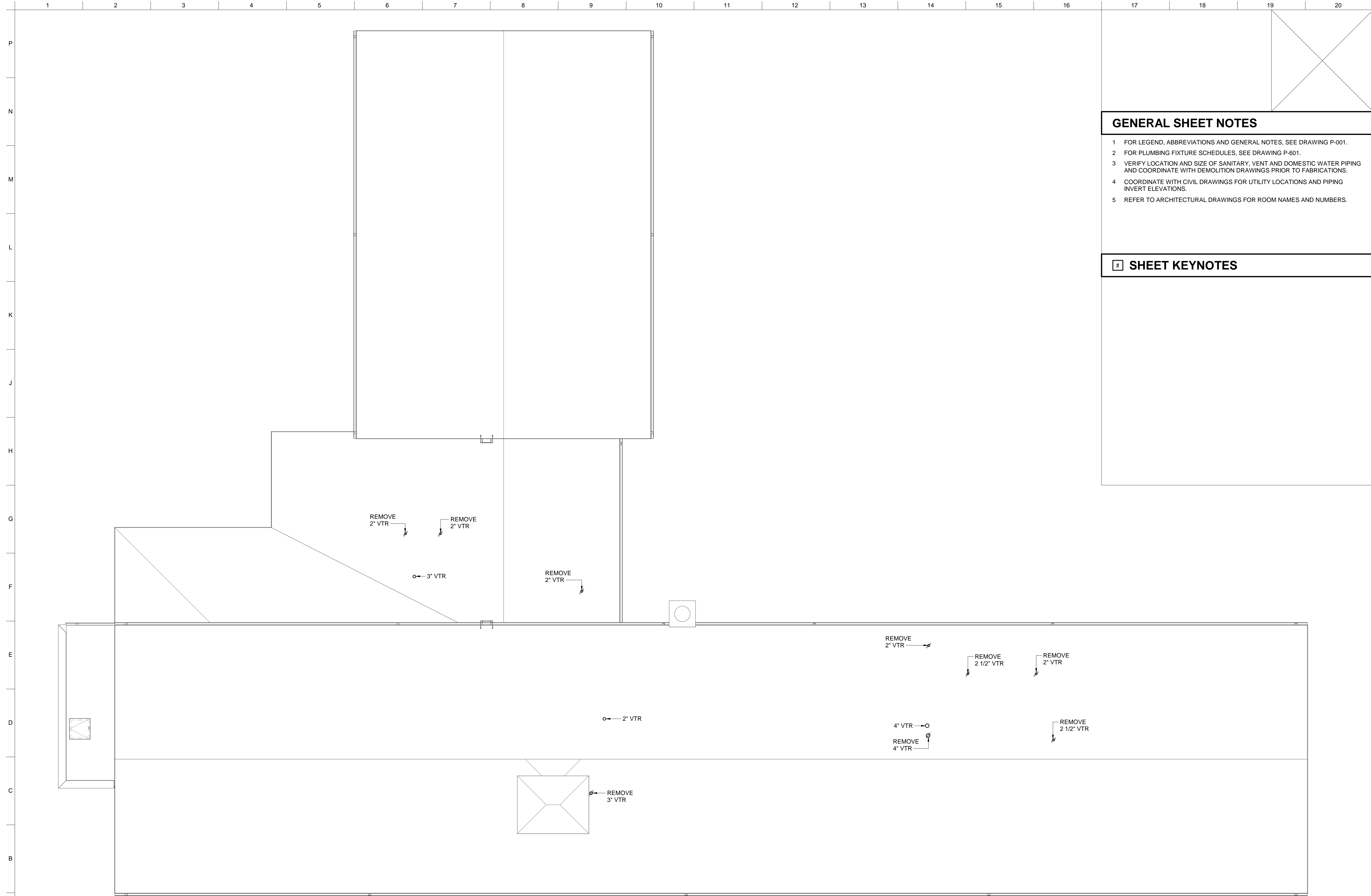
UNITED STATES ARMY RESERVE CENTER, SALEM, VA
TRAINING CENTER RENOVATION & ADDITION
P2 #: 498678

TC SANITARY PLAN - SECOND FLOOR - NEW WORK

SHEET ID
TC
P-102

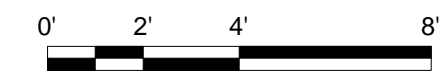
PLAN NORTH
A1
SANITARY PLAN - SECOND FLOOR - NEW WORK
SCALE: 1/8" = 1'-0"





SANITARY PLAN - ROOF PLAN - NEW WORK

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



GENERAL SHEET NOTES

- 1 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES, SEE DRAWING P-001.
- 2 FOR PLUMBING FIXTURE SCHEDULES, SEE DRAWING P-601.
- 3 VERIFY LOCATION AND SIZE OF SANITARY, VENT AND DOMESTIC WATER PIPING AND COORDINATE WITH DEMOLITION DRAWINGS PRIOR TO FABRICATIONS.
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- 5 REFER TO ARCHITECTURAL DRAWINGS FOR ROOM NAMES AND NUMBERS.

SHEET KEYNOTES



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DRAWN BY: JFC	SOLICITATION NO.: W912OF22R0040
CHECKED BY: KEL	CONTRACT NO.: W912OF22R0040
SUBMITTED BY:	SIZE: ANSI D

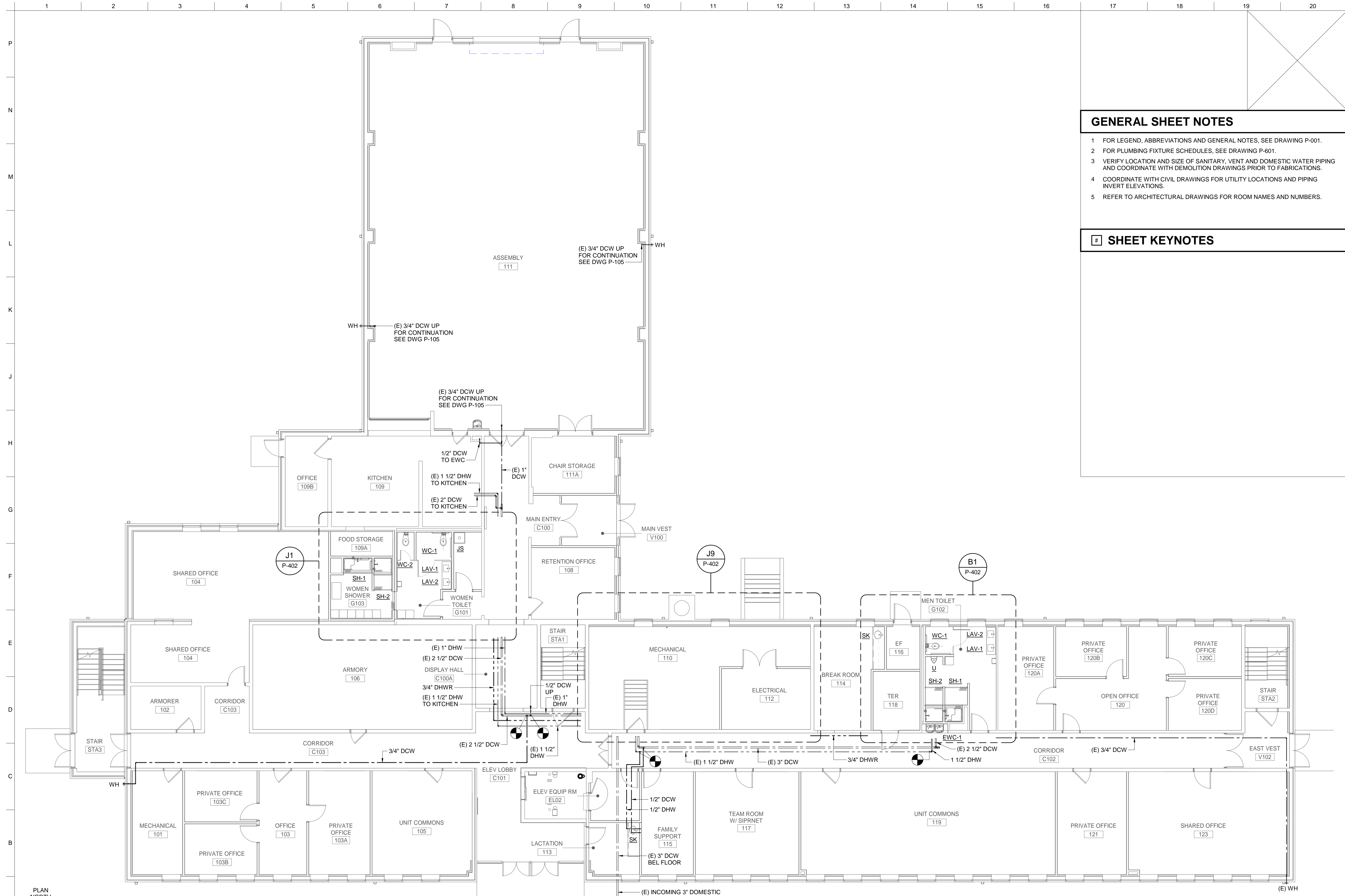
US ARMY CORPS OF ENGINEERS LOUISVILLE DISTRICT LOUISVILLE, KY
JOHN C. GRIMBERG CO. ROCKVILLE, MD
WILEY WILSON ALEXANDRIA, VA

UNITED STATES ARMY RESERVE CENTER, SALEM, VA
TRAINING CENTER RENOVATION & ADDITION
P2 #: 498678
TC SANITARY PLAN - ROOF PLAN - NEW WORK

SHEET ID
**TC
P-103**

INTERIM DESIGN SUBMISSION

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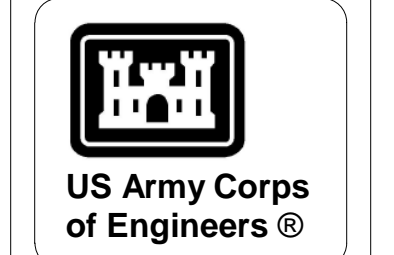


GENERAL SHEET NOTES

- 1 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES, SEE DRAWING P-001.
- 2 FOR PLUMBING FIXTURE SCHEDULES, SEE DRAWING P-601.
- 3 VERIFY LOCATION AND SIZE OF SANITARY, VENT AND DOMESTIC WATER PIPING AND COORDINATE WITH DEMOLITION DRAWINGS PRIOR TO FABRICATIONS.
- 4 COORDINATE WITH CIVIL DRAWINGS FOR UTILITY LOCATIONS AND PIPING INVERT ELEVATIONS.
- 5 REFER TO ARCHITECTURAL DRAWINGS FOR ROOM NAMES AND NUMBERS.

SHEET KEYNOTES

MARK	DESCRIPTION



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ISSUE DATE:	DESIGNED BY:	US ARMY CORPS OF ENGINEERS
FEBRUARY 22, 2023	JFC	LOUISVILLE DISTRICT
SOLICITATION NO.: W912OR22R0040	DRAWN BY:	LOUISVILLE, KY
CONTRACT NO.: W912OR22R0040	JFC	
	CHECKED BY:	JOHN C. GRIMBERG CO.
	KEL	ROCKVILLE, MD
	WILEY/WILSON	ALEXANDRIA, VA
	SIZE:	
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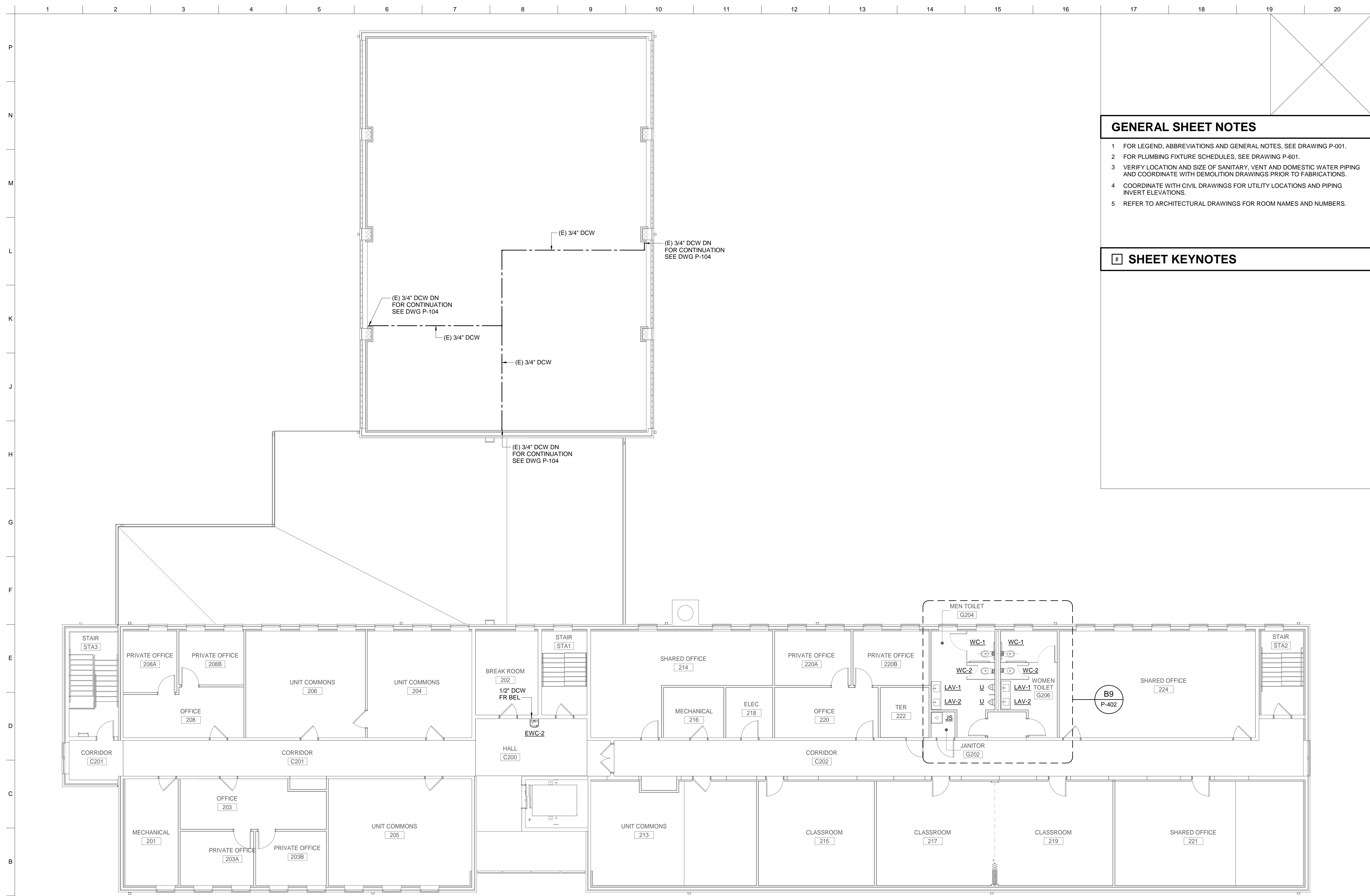
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FEBRUARY 22, 2023	JFC	LOUISVILLE DISTRICT
SOLICITATION NO.: W912OR22R0040	DRAWN BY:	LOUISVILLE, KY
CONTRACT NO.: W912OR22R0040	JFC	
	CHECKED BY:	JOHN C. GRIMBERG CO.
	KEL	ROCKVILLE, MD
	WILEY/WILSON	ALEXANDRIA, VA
	SIZE:	
	ANSI D	

ISSUE DATE:	DESIGNED BY:	US ARMY CORPS OF ENGINEERS
FEBRUARY 22, 2023	JFC	LOUISVILLE DISTRICT
SOLICITATION NO.: W912OR22R0040	DRAWN BY:	LOUISVILLE, KY
CONTRACT NO.: W912OR22R0040	JFC	
	CHECKED BY:	JOHN C. GRIMBERG CO.
	KEL	ROCKVILLE, MD
	WILEY/WILSON	ALEXANDRIA, VA
	SIZE:	
	ANSI D	

UNITED STATES ARMY RESERVE CENTER - SALEM, VA
 TRAINING CENTER RENOVATION & ADDITION
 P2 #: 498678

TC DOMESTIC WATER PLAN - FIRST FLOOR - NEW WORK

SHEET ID
 TC
 P-104



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GENERAL SHEET NOTES

- 1 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES, SEE DRAWING P-001.
- 2 FOR PLUMBING FIXTURE SCHEDULES, SEE DRAWING P-601.
- 3 VERIFY LOCATION AND SIZE OF SANITARY, VENT AND DOMESTIC WATER PIPING AND COORDINATE WITH DEMOLITION DRAWINGS PRIOR TO FABRICATIONS.
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SHEET KEYNOTES

MARK	DESCRIPTION	DATE

DESIGNED BY:	ISSUE DATE:
JFC	FEBRUARY 22, 2023
JFC	DESIGNED BY:
JFC	DRAWN BY:
JFC	CHECKED BY:
KEL	SUBMITTED BY:
	SIZE:
	ANSI D

SOLICITATION NO.:	CONTRACT NO.:
W912OR22R0040	W912OR22R0040

US ARMY CORPS OF ENGINEERS
LOUISVILLE DISTRICT
LOUISVILLE, KY

JOHN C. GRIMBERG CO.
ROCKVILLE, MD

WILEY WILSON
ALEXANDRIA, VA

UNITED STATES ARMY RESERVE CENTER - SALEM, VA
TRAINING CENTER RENOVATION & ADDITION
P2 #: 498678

TC DOMESTIC WATER PLAN - SECOND FLOOR - NEW WORK

SHEET ID
TC
P-105

PLAN NORTH
A1 DOMESTIC WATER PLAN - SECOND FLOOR - NEW WORK
SCALE: 1/8" = 1'-0"

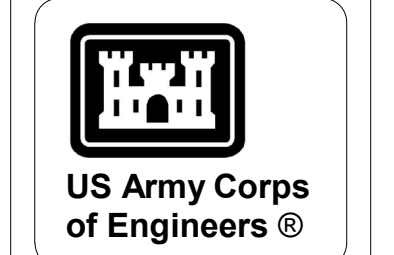


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INTERIM DESIGN SUBMISSION

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MARK	DESCRIPTION	DATE

GENERAL SHEET NOTES

- 1 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES, SEE DRAWING P-001.
- 2 FOR PLUMBING FIXTURE SCHEDULES, SEE DRAWING P-601.
- 3 VERIFY LOCATION AND SIZE OF SANITARY, VENT AND DOMESTIC WATER PIPING AND COORDINATE WITH DEMOLITION DRAWINGS PRIOR TO FABRICATIONS.
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SHEET KEYNOTES

ISSUE DATE:	DESIGNED BY:	US ARMY CORPS OF ENGINEERS	UNITED STATES ARMY RESERVE CENTER - SALEM, VA
FEBRUARY 22, 2023	JFC	LOUISVILLE DISTRICT LOUISVILLE, KY	TRAINING CENTER RENOVATION & ADDITION P2 #: 498678
SOLICITATION NO.: W9120R22R0040	DRAWN BY: JFC	JOHN C. GRIMBERG CO. ROCKVILLE, MD	VMS PLUMBING FLOOR PLANS - NEW WORK
CONTRACT NO.: W9120R22R0040	CHECKED BY: KEL	WILEY/WILSON ALEXANDRIA, VA	
	SUBMITTED BY:		
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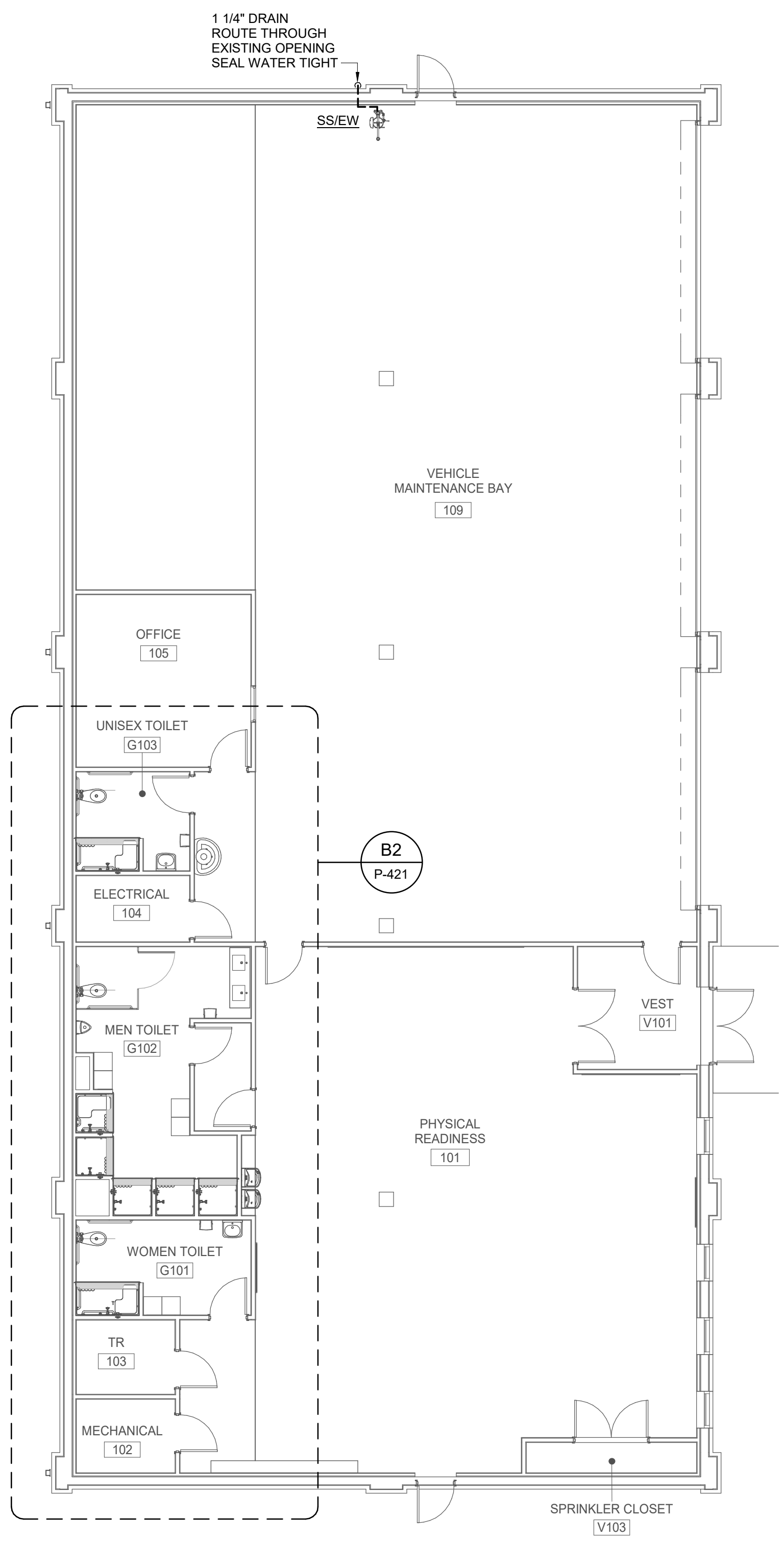
ISSUE DATE: FEBRUARY 22, 2023
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 CONTRACT NO.: W9120R22R0040
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 DRAWN BY: JFC
 CHECKED BY: KEL
 SUBMITTED BY:
 SIZE: ANSI D

US ARMY CORPS OF ENGINEERS
 LOUISVILLE DISTRICT
 LOUISVILLE, KY
 JOHN C. GRIMBERG CO.
 ROCKVILLE, MD
 WILEY/WILSON
 ALEXANDRIA, VA

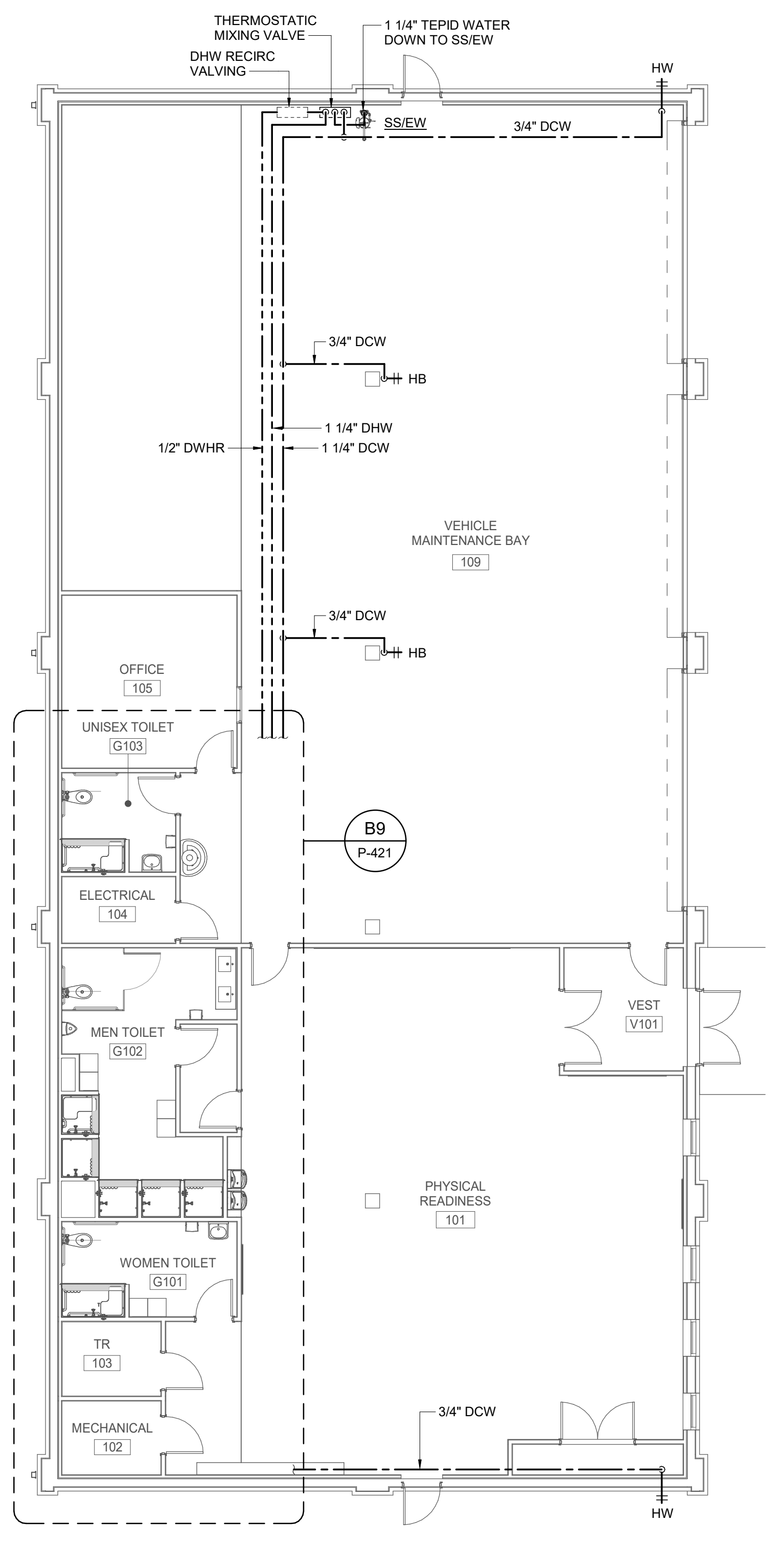
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P-121

INTERIM DESIGN SUBMISSION

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PLAN NORTH
B2
SANITARY - FLOOR PLAN - NEW WORK
 SCALE: 1/8" = 1'-0"
 0' 4' 8' 16'



PLAN NORTH
B9
DOMESTIC WATER - FLOOR PLAN - NEW WORK
 SCALE: 1/8" = 1'-0"
 0' 4' 8' 16'



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MARK	DESCRIPTION	DATE

GENERAL SHEET NOTES

- 1 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES, SEE DRAWING P-001.
- 2 FOR PLUMBING FIXTURE SCHEDULES, SEE DRAWING P-601.
- 3 VERIFY LOCATION AND SIZE OF SANITARY, VENT AND DOMESTIC WATER PIPING AND COORDINATE WITH DEMOLITION DRAWINGS PRIOR TO FABRICATIONS.
- 4 COORDINATE WITH CIVIL DRAWINGS FOR UTILITY LOCATIONS AND PIPING INVERT ELEVATIONS.
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SHEET KEYNOTES

DESIGNED BY:	JFC
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ISSUE DATE:	FEBRUARY 22, 2023
SOLICITATION NO.:	W912QF22R0040
CONTRACT NO.:	W912QF22R0040
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US ARMY CORPS OF ENGINEERS
LOUISVILLE DISTRICT
LOUISVILLE, KY

JOHN C. GRIMBERG CO.
ROCKVILLE, MD

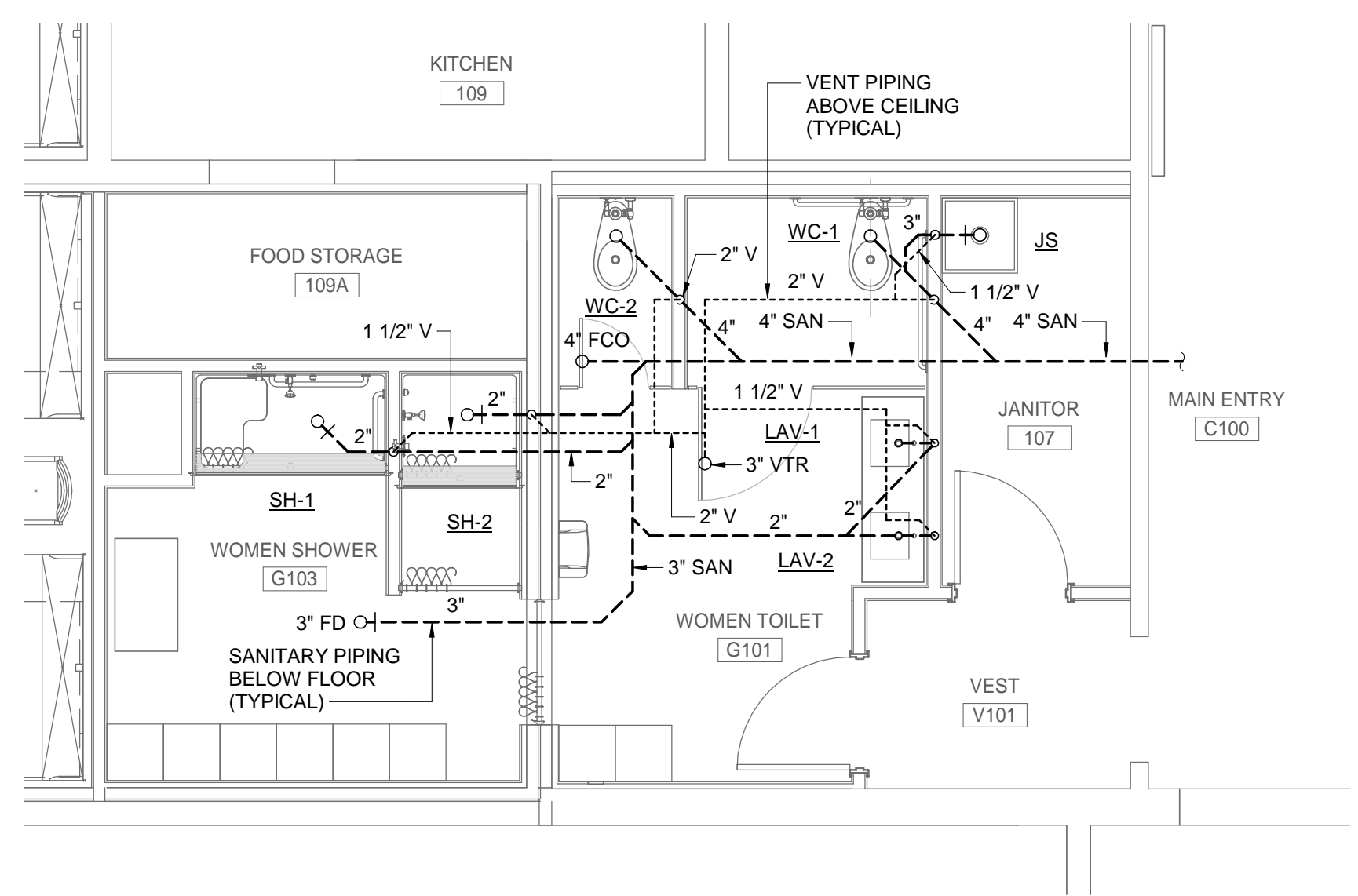
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ALEXANDRIA, VA

UNITED STATES ARMY RESERVE CENTER - SALEM, VA
TRAINING CENTER RENOVATION & ADDITION
P2 #: 498678

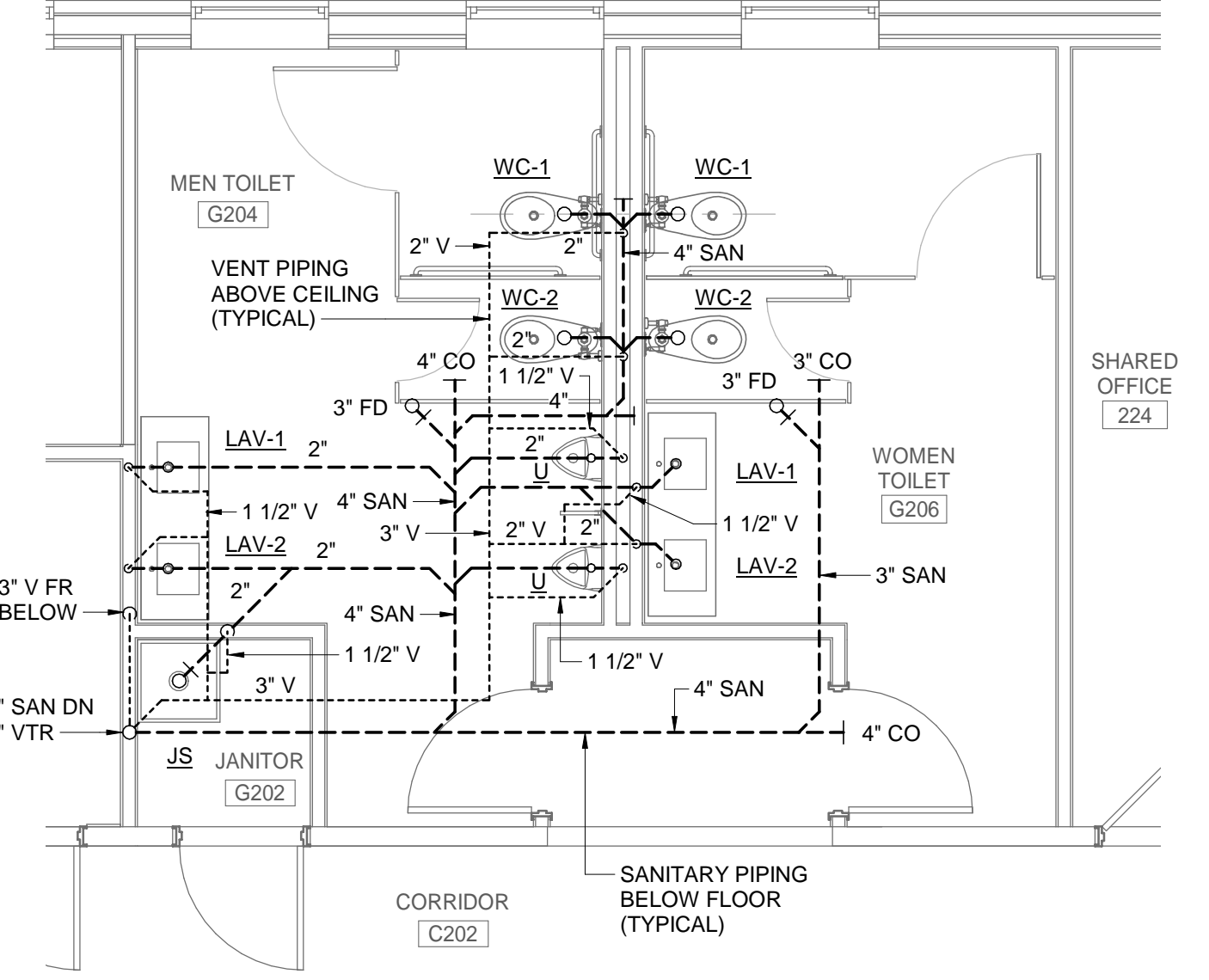
TC ENLARGED SANITARY PLANS - NEW WORK

SHEET ID
TC
P-401

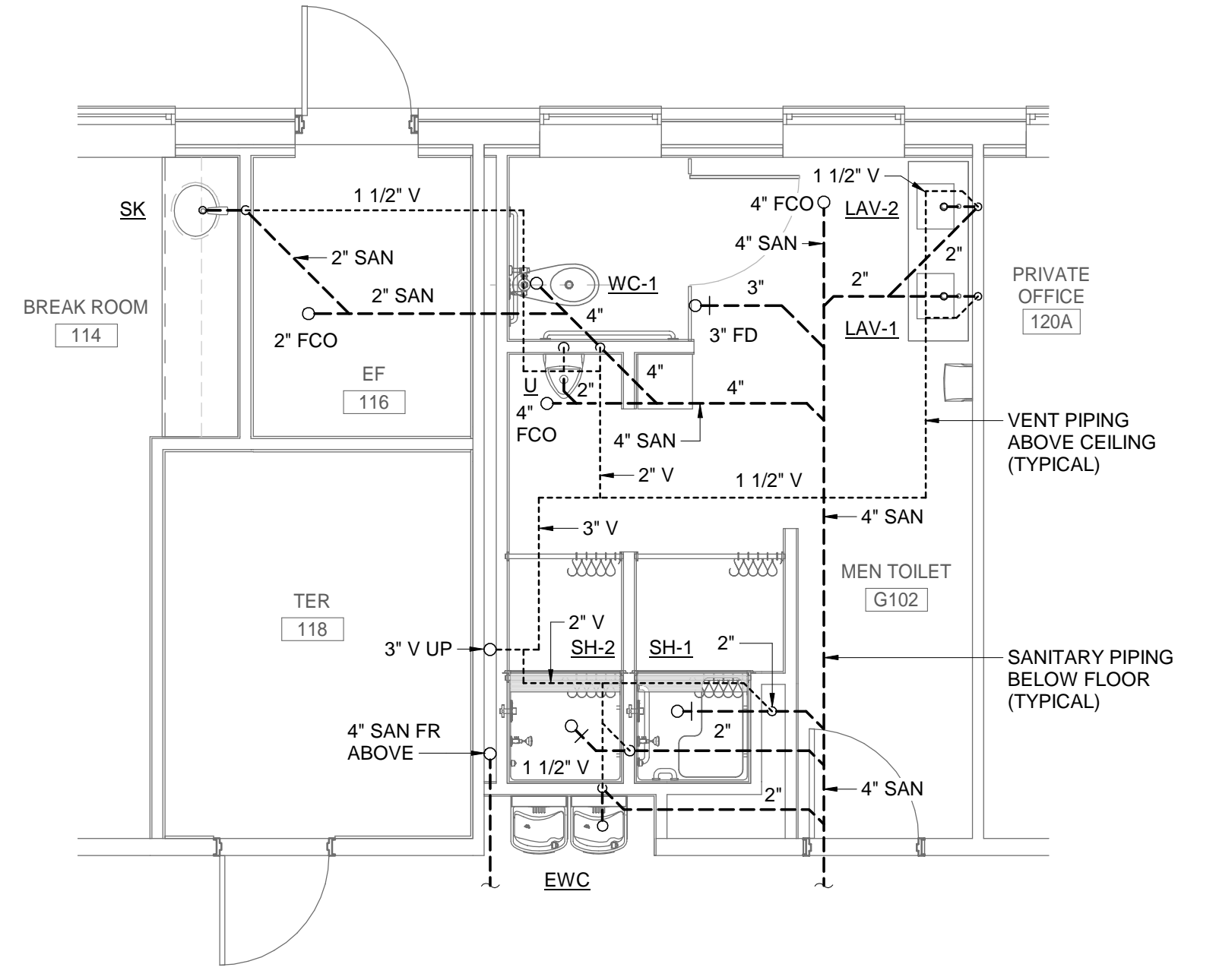
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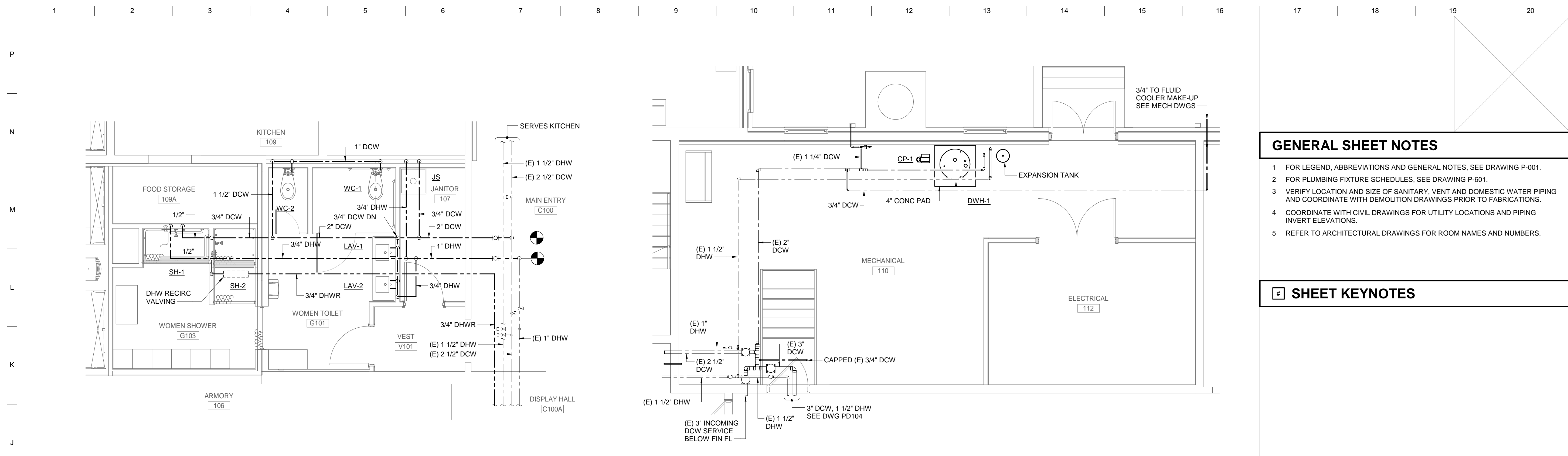
J1 ENLARGED SANITARY PLAN - FIRST FLOOR WOMEN'S - NEW WORK
SCALE: 1/4" = 1'-0"



J9 ENLARGED SANITARY PLAN - SECOND FLOOR - NEW WORK
SCALE: 1/4" = 1'-0"

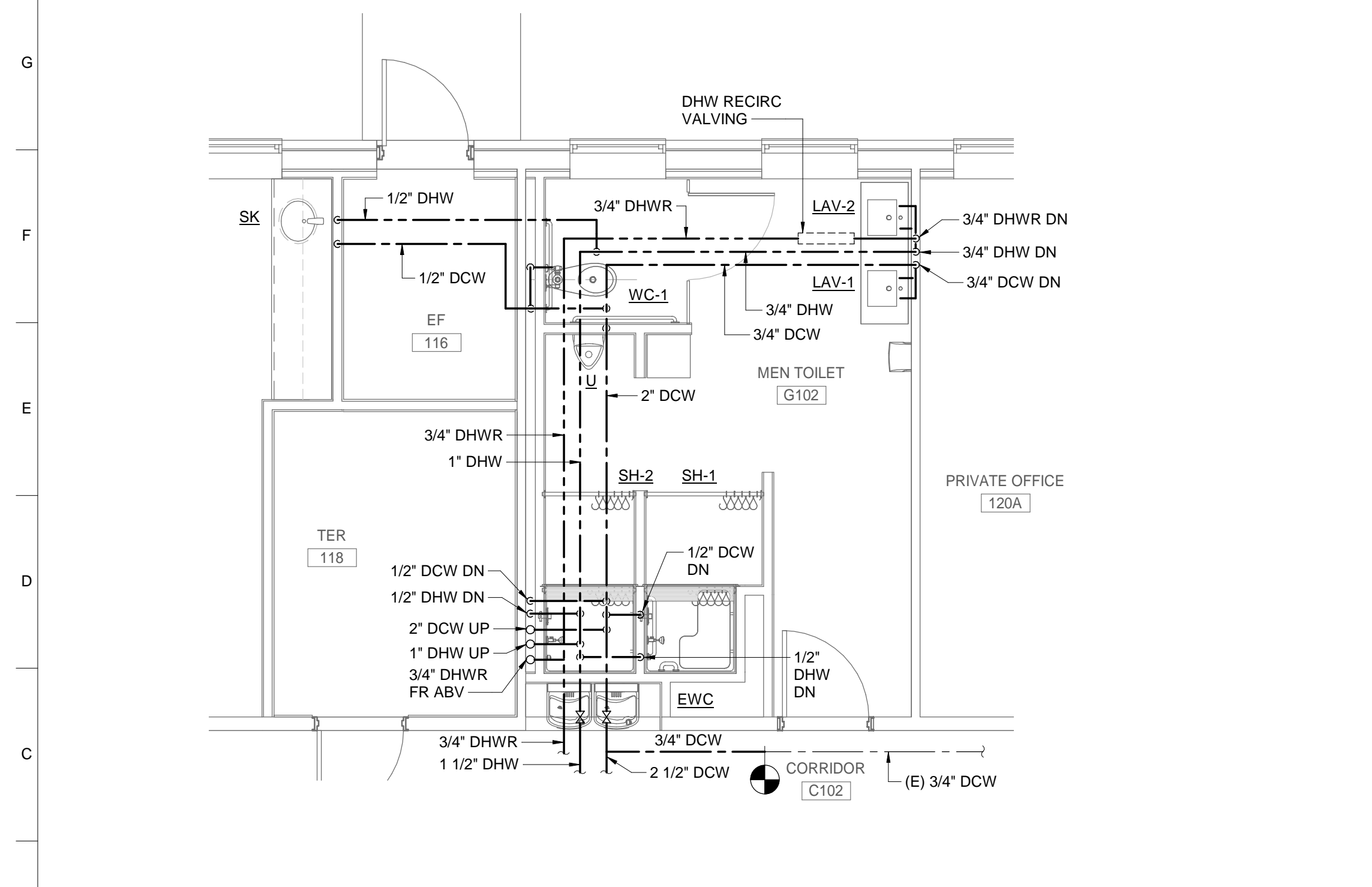


B1 ENLARGED SANITARY PLAN - FIRST FLOOR MEN'S - NEW WORK
SCALE: 1/4" = 1'-0"

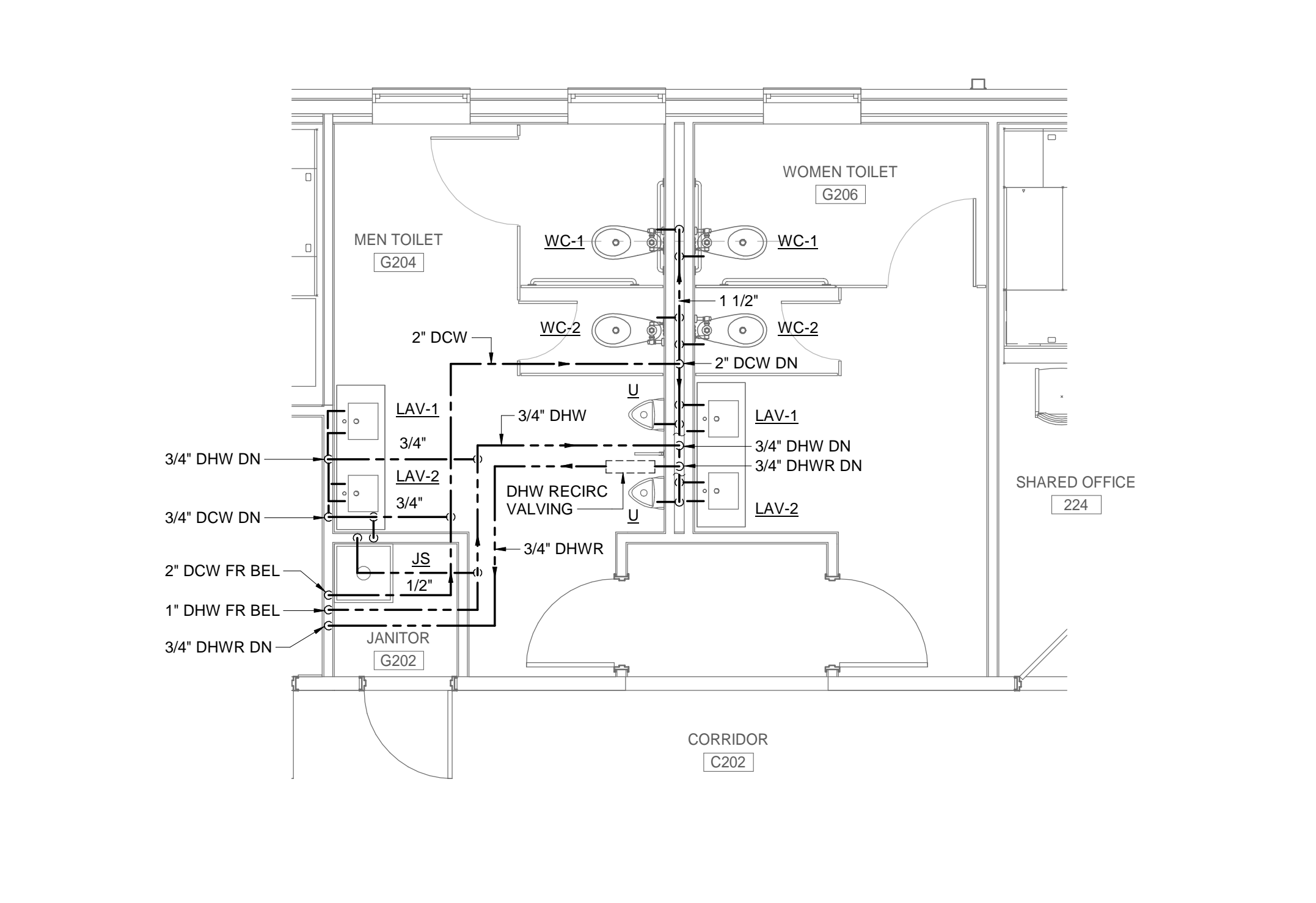


J1 ENLARGED DOMESTIC WATER PLAN - FIRST FLOOR WOMEN'S - NEW WORK
 SCALE: 1/4" = 1'-0"
 0' 2' 4' 8'

J9 ENLARGED DOMESTIC WATER PLAN - FIRST FLOOR MECH ROOM - NEW WORK
 SCALE: 1/4" = 1'-0"
 0' 2' 4' 8'



B1 ENLARGED DOMESTIC WATER PLAN - FIRST FLOOR MEN'S - NEW WORK
 SCALE: 1/4" = 1'-0"
 0' 2' 4' 8'



B9 ENLARGED DOMESTIC WATER PLAN - SECOND FLOOR TOILETS - NEW WORK
 SCALE: 1/4" = 1'-0"
 0' 2' 4' 8'

GENERAL SHEET NOTES

- 1 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES, SEE DRAWING P-001.
- 2 FOR PLUMBING FIXTURE SCHEDULES, SEE DRAWING P-601.
- 3 VERIFY LOCATION AND SIZE OF SANITARY, VENT AND DOMESTIC WATER PIPING AND COORDINATE WITH DEMOLITION DRAWINGS PRIOR TO FABRICATIONS.
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SHEET KEYNOTES

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SIZE: ANSI D			

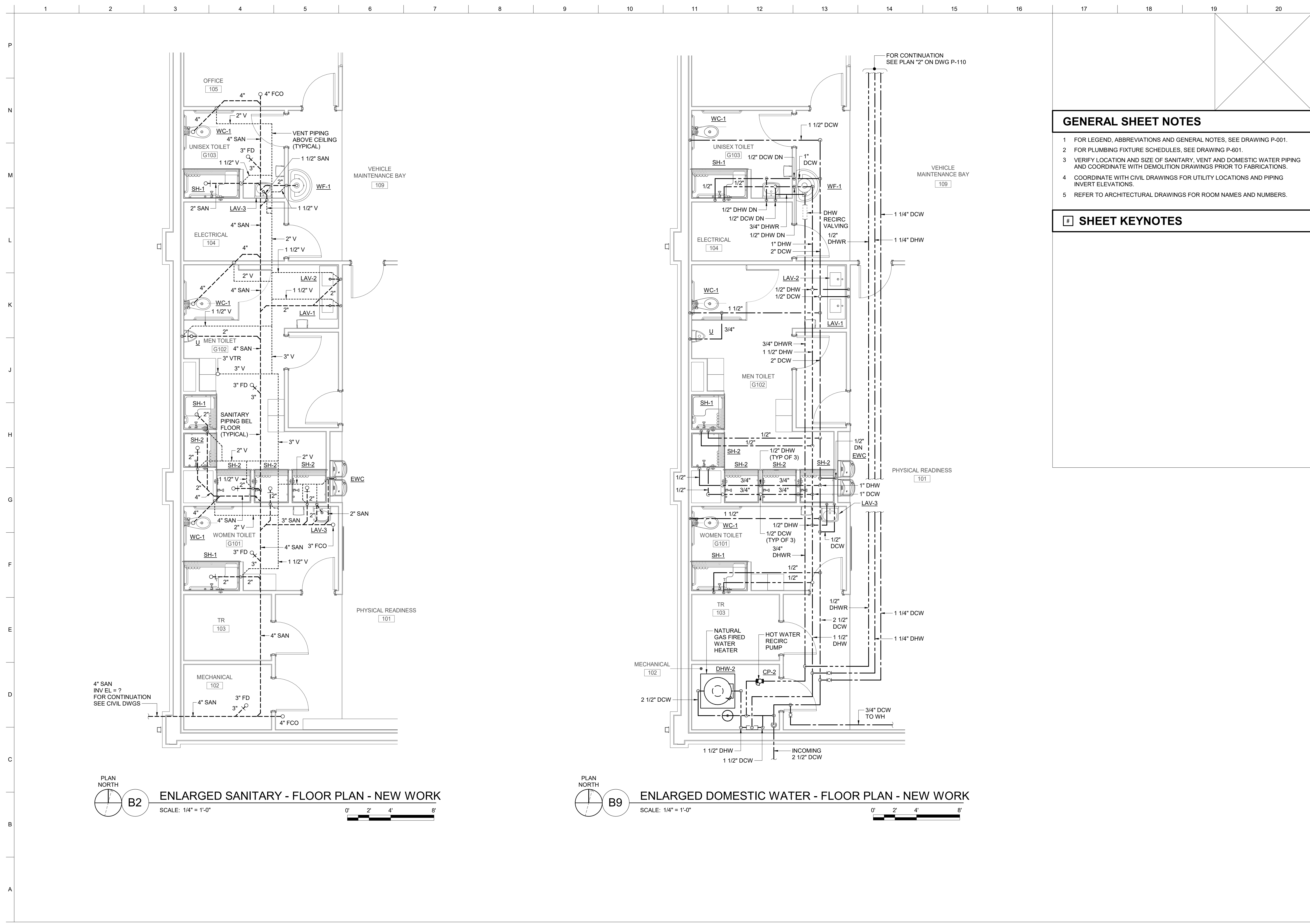
US ARMY CORPS OF ENGINEERS LOUISVILLE DISTRICT LOUISVILLE, KY	JOHN C. GRIMBERG CO. ROCKVILLE, MD WILEY WILSON ALEXANDRIA, VA
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UNITED STATES ARMY RESERVE CENTER, SALEM, VA
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 P2 #: 498678

TC ENLARGED DOMESTIC WATER PLANS - NEW WORK

SHEET ID
TC
P-402

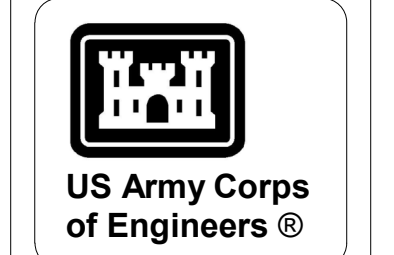
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GENERAL SHEET NOTES

- 1 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES, SEE DRAWING P-001.
- 2 FOR PLUMBING FIXTURE SCHEDULES, SEE DRAWING P-601.
- 3 VERIFY LOCATION AND SIZE OF SANITARY, VENT AND DOMESTIC WATER PIPING AND COORDINATE WITH DEMOLITION DRAWINGS PRIOR TO FABRICATIONS.
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SHEET KEYNOTES



MARK	DESCRIPTION	DATE

DESIGNED BY: JFC	ISSUE DATE: FEBRUARY 22, 2023
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SIZE: ANSI D	

US ARMY CORPS OF ENGINEERS
LOUISVILLE DISTRICT
LOUISVILLE, KY

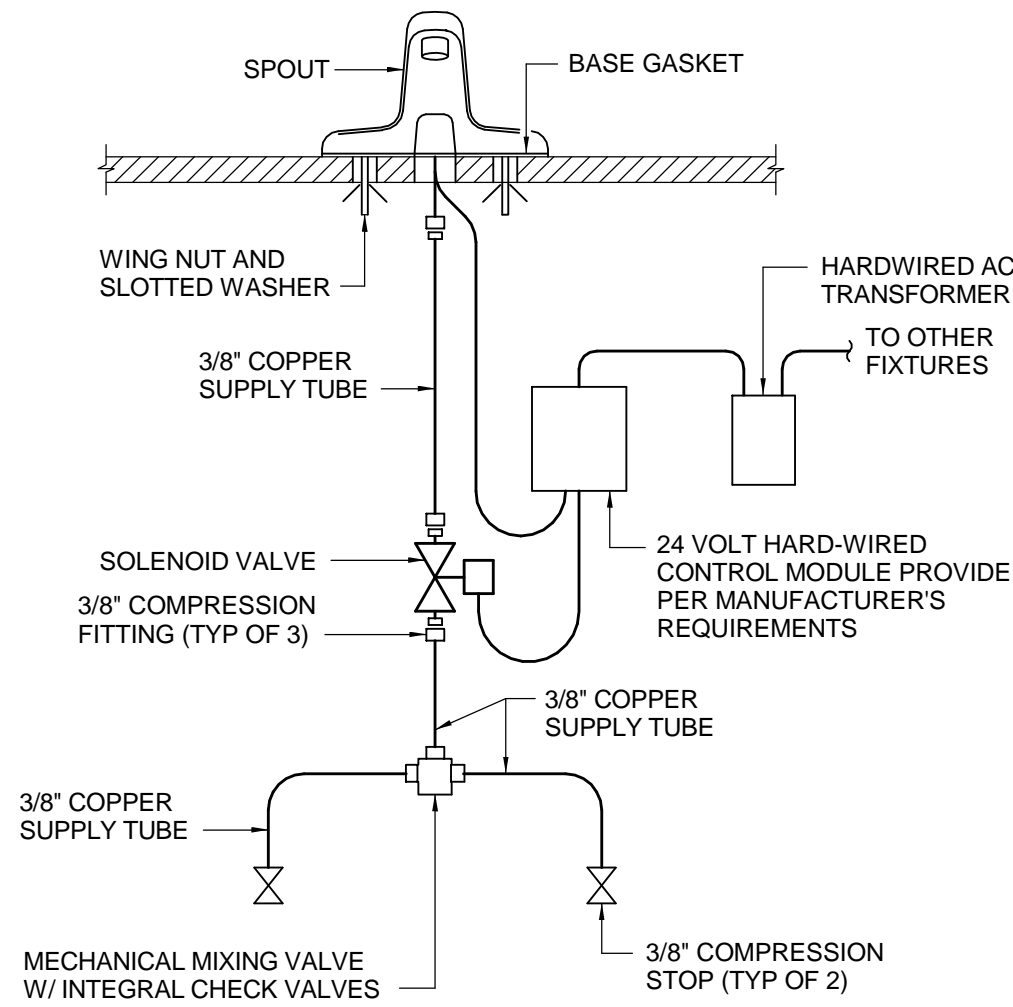
JOHN C. GRIMBERG CO.
ROCKVILLE, MD

WILEY WILSON
ALEXANDRIA, VA

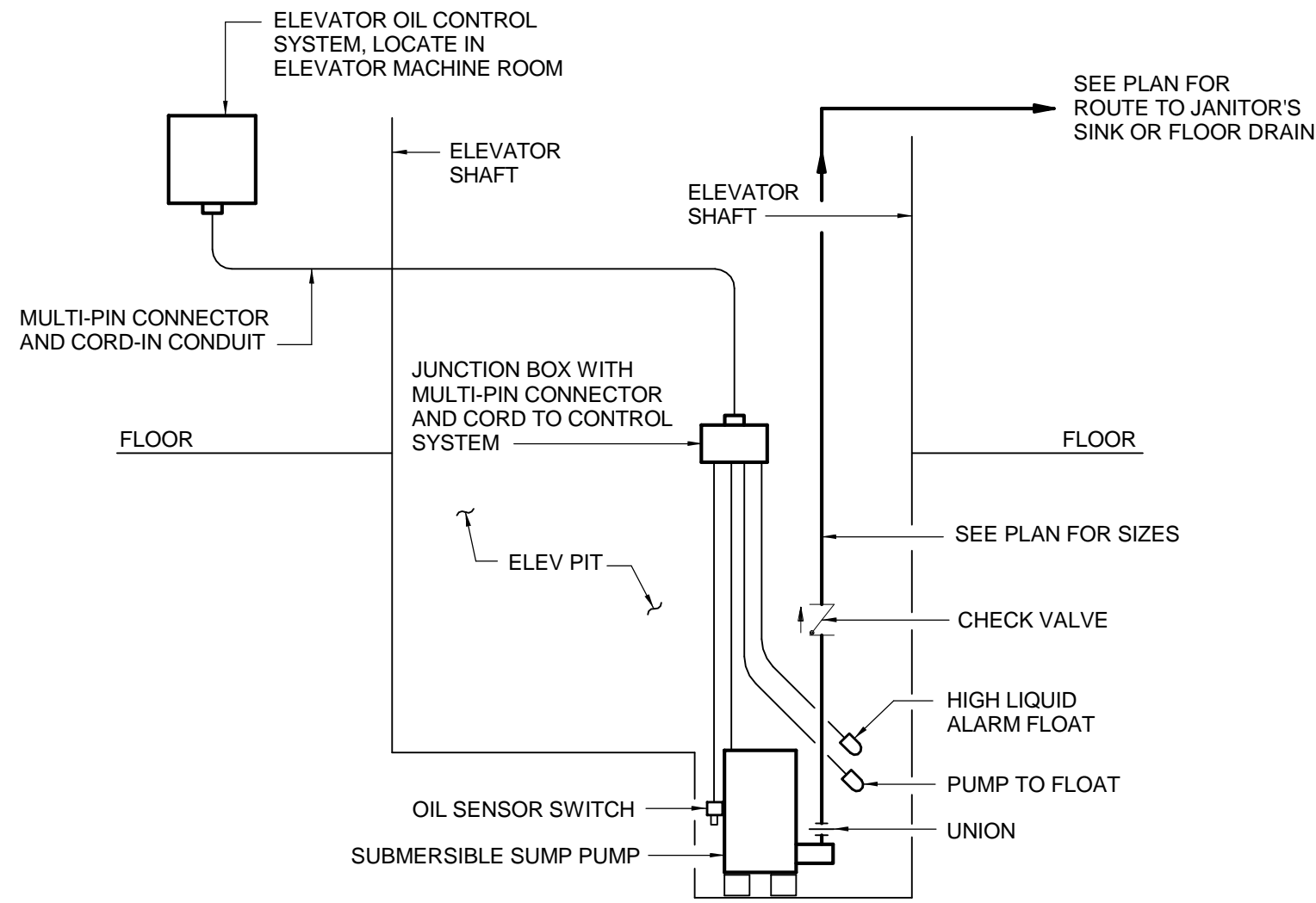
UNITED STATES ARMY RESERVE CENTER, SALEM, VA
TRAINING CENTER RENOVATION & ADDITION
P2 #: 498678

VMS ENLARGED PLUMBING PLANS - NEW WORK

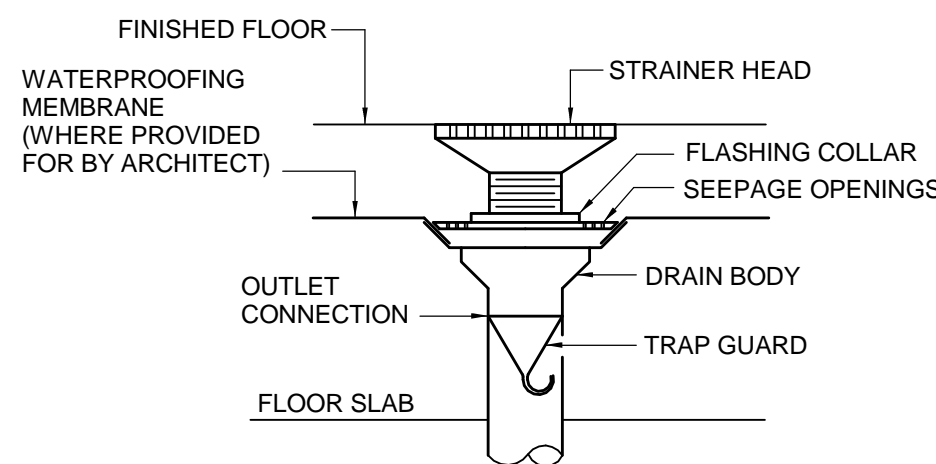
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VMS
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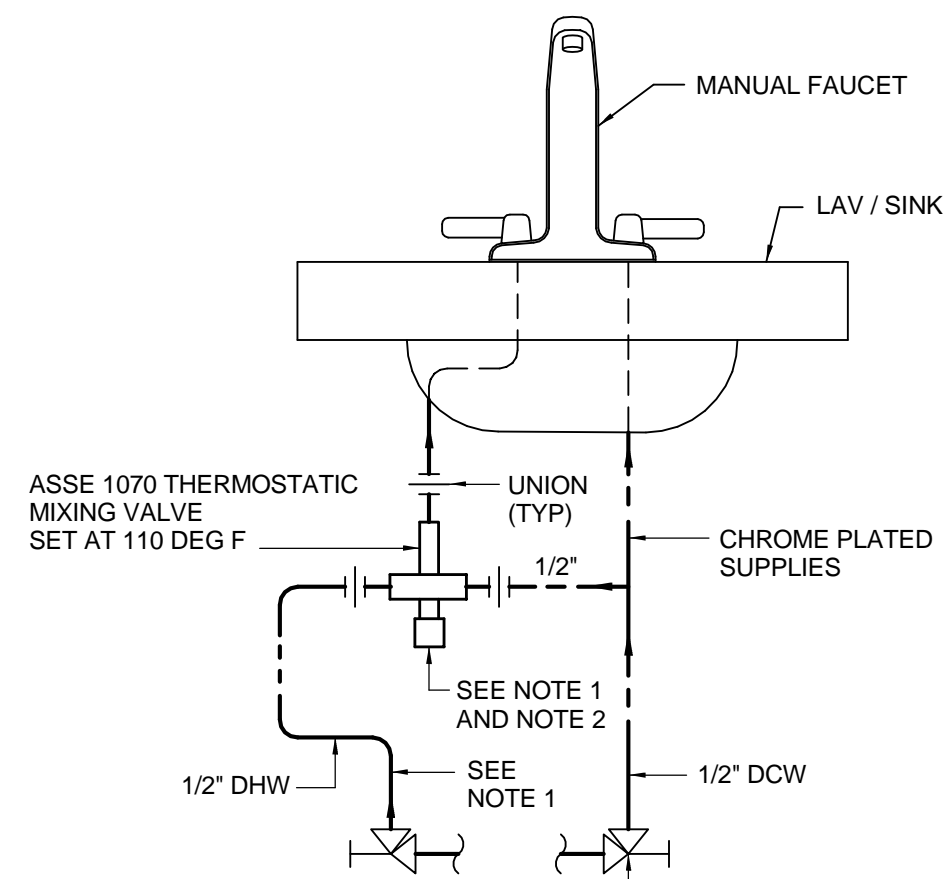
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NOT TO SCALE



K7 **ELEVATOR SUMP PUMP DETAIL**
NOT TO SCALE

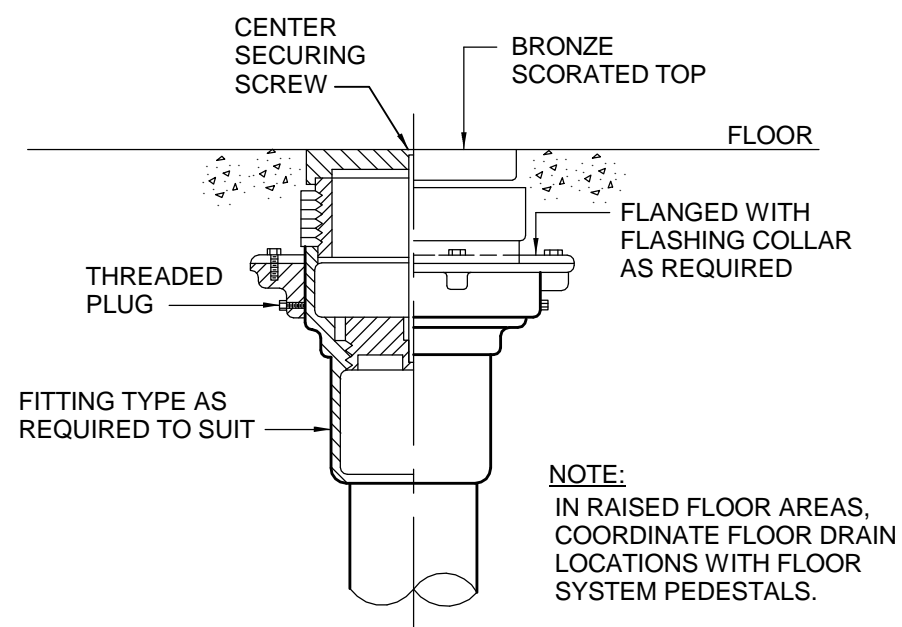


K12 **NO-PRIMER FLOOR DRAIN DETAIL**
NOT TO SCALE
NOTE:
IN RAISED FLOOR AREAS, COORDINATE FLOOR DRAIN LOCATIONS WITH FLOOR SYSTEM PEDESTALS.



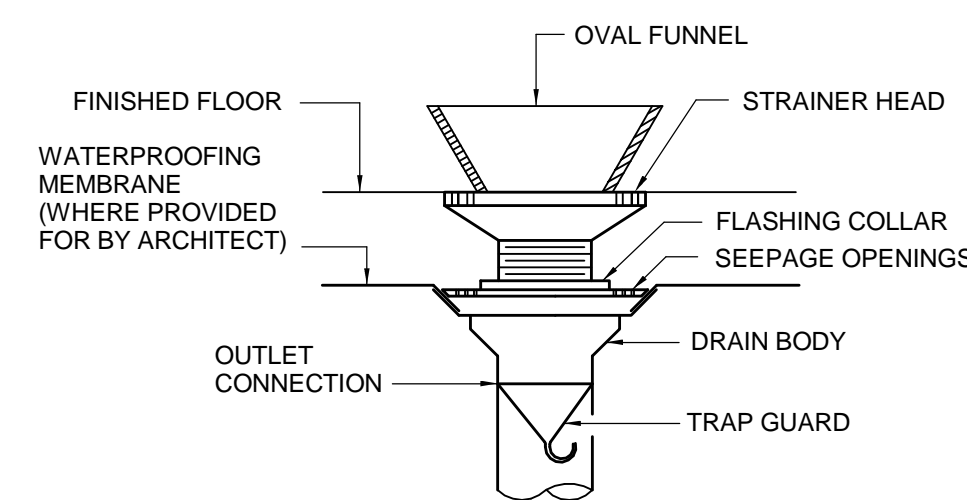
NOTE:
1. INSULATE DHW SUPPLY TO MIXING VALVE AND MIXING VALVE.
2. THERMOSTATIC MIXING VALVE CAN BE PROVIDED AS INTEGRAL TO FAUCET.

E1 **MANUAL FAUCET ROUGH-IN DETAIL**
NOT TO SCALE



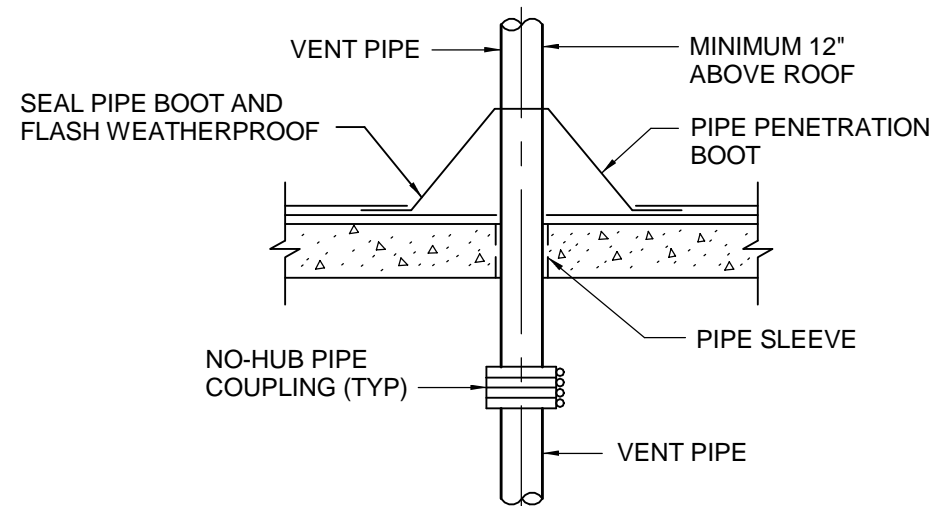
NOTE:
IN RAISED FLOOR AREAS, COORDINATE FLOOR DRAIN LOCATIONS WITH FLOOR SYSTEM PEDESTALS.

F7 **FLOOR CLEANOUT DETAIL**
NOT TO SCALE

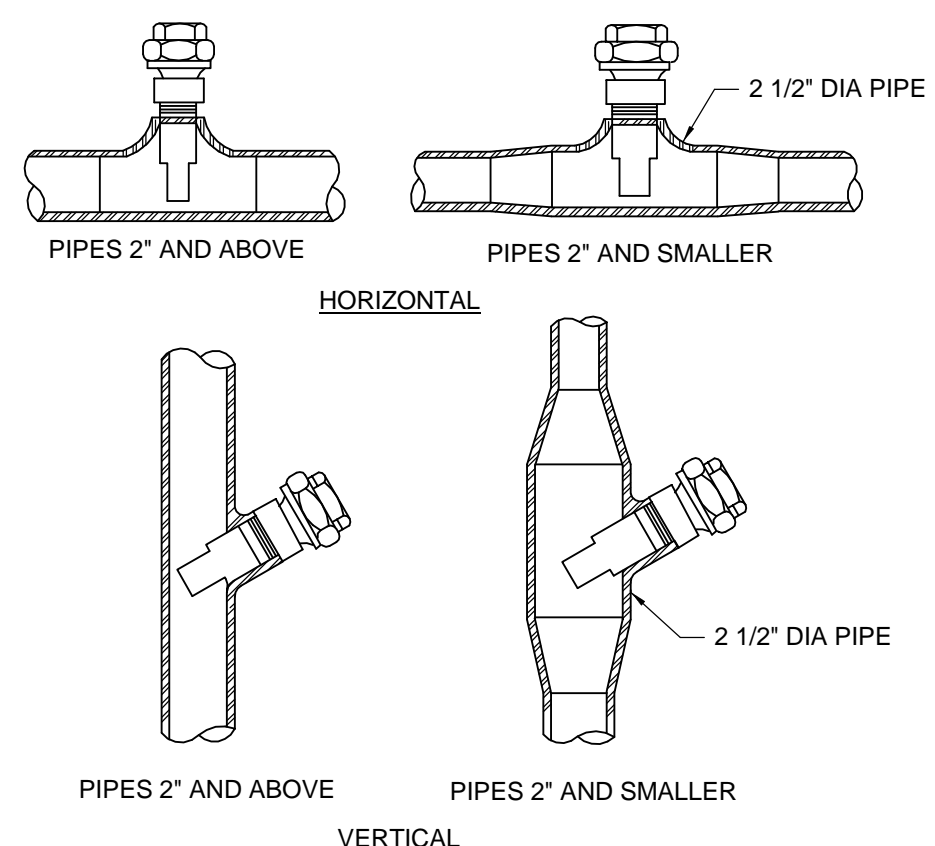


NOTE:
IN RAISED FLOOR AREAS, COORDINATE FLOOR DRAIN LOCATIONS WITH FLOOR SYSTEM PEDESTALS.

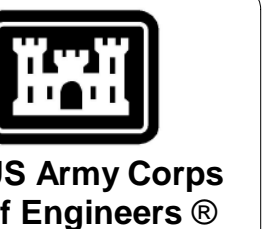
F12 **NO-PRIMER FUNNEL FLOOR DRAIN DETAIL**
NOT TO SCALE



B1 **VENT THRU ROOF PENETRATION DETAIL**
NOT TO SCALE



A7 **TYPICAL THERMOWELL INSTALLATION DETAIL**
NOT TO SCALE



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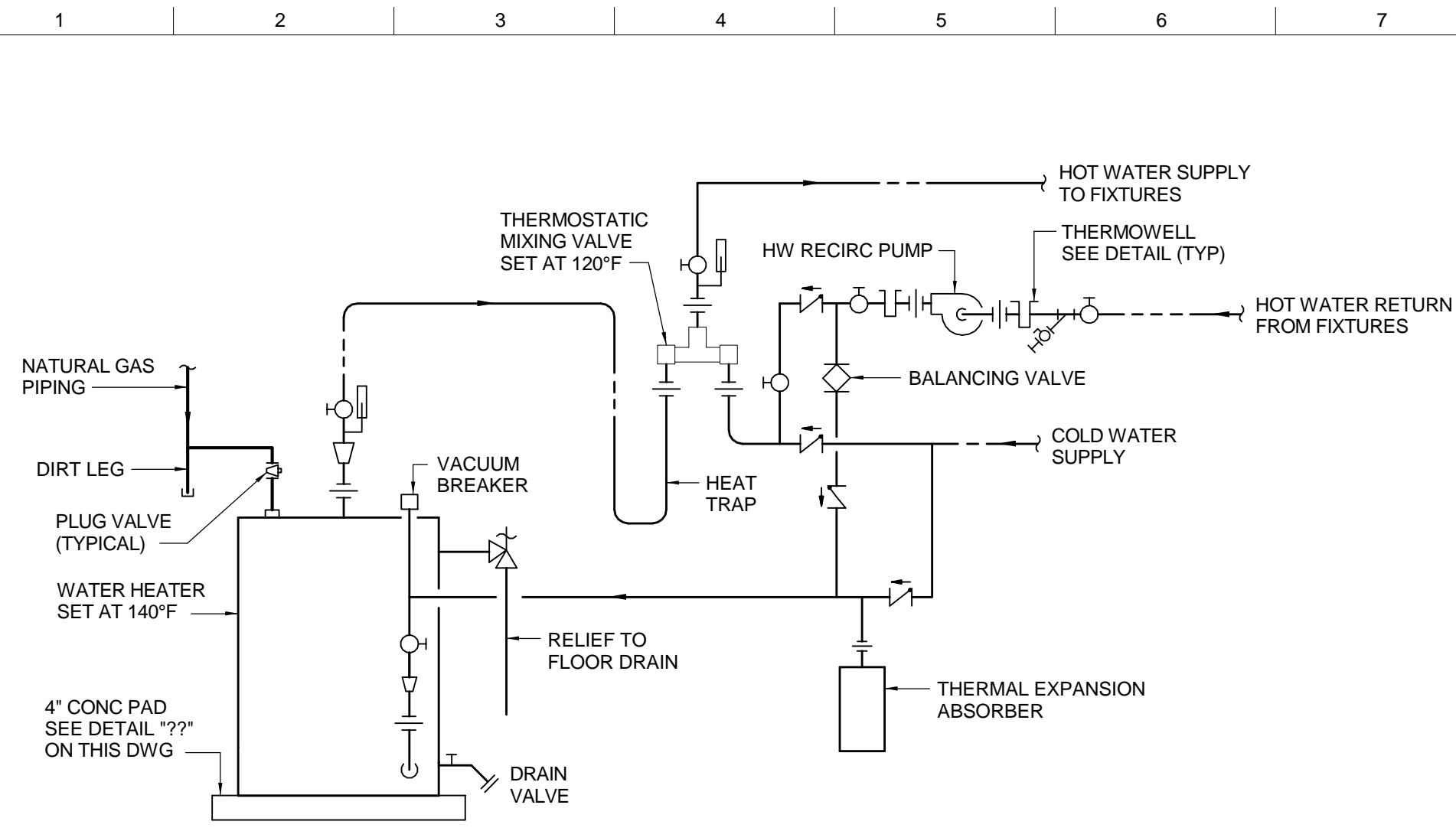
MARK	DESCRIPTION	DATE

DESIGNED BY: JFC	ISSUE DATE: FEBRUARY 22, 2023
DRAWN BY: JFC	SOLICITATION NO.: W912QR22R0040
CHECKED BY: KEL	CONTRACT NO.: W912QR22R0040
SUBMITTED BY: WILEY/WILSON ALEXANDRIA, VA	
SIZE: ANS/D	

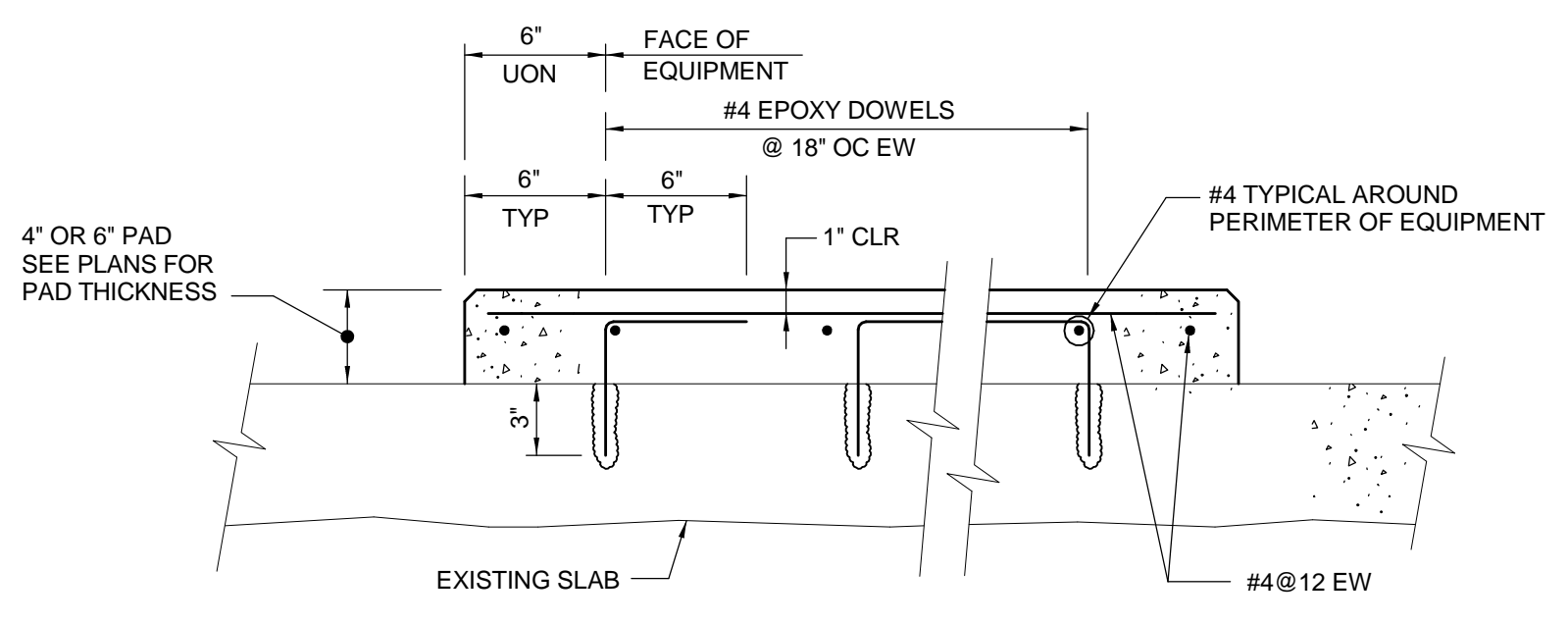
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TRAINING CENTER RENOVATION & ADDITION
P2 #: 498678
DETAILS

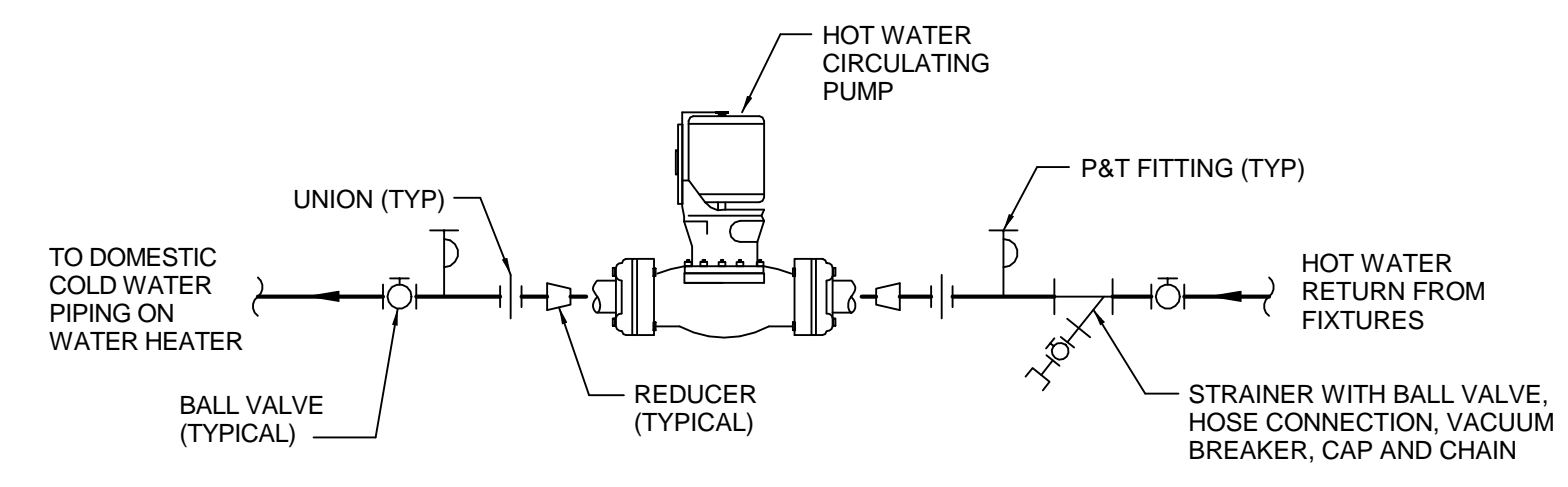
SHEET ID
P-501



K2 GAS FIRED STORAGE WATER HEATER DIAGRAM
NOT TO SCALE

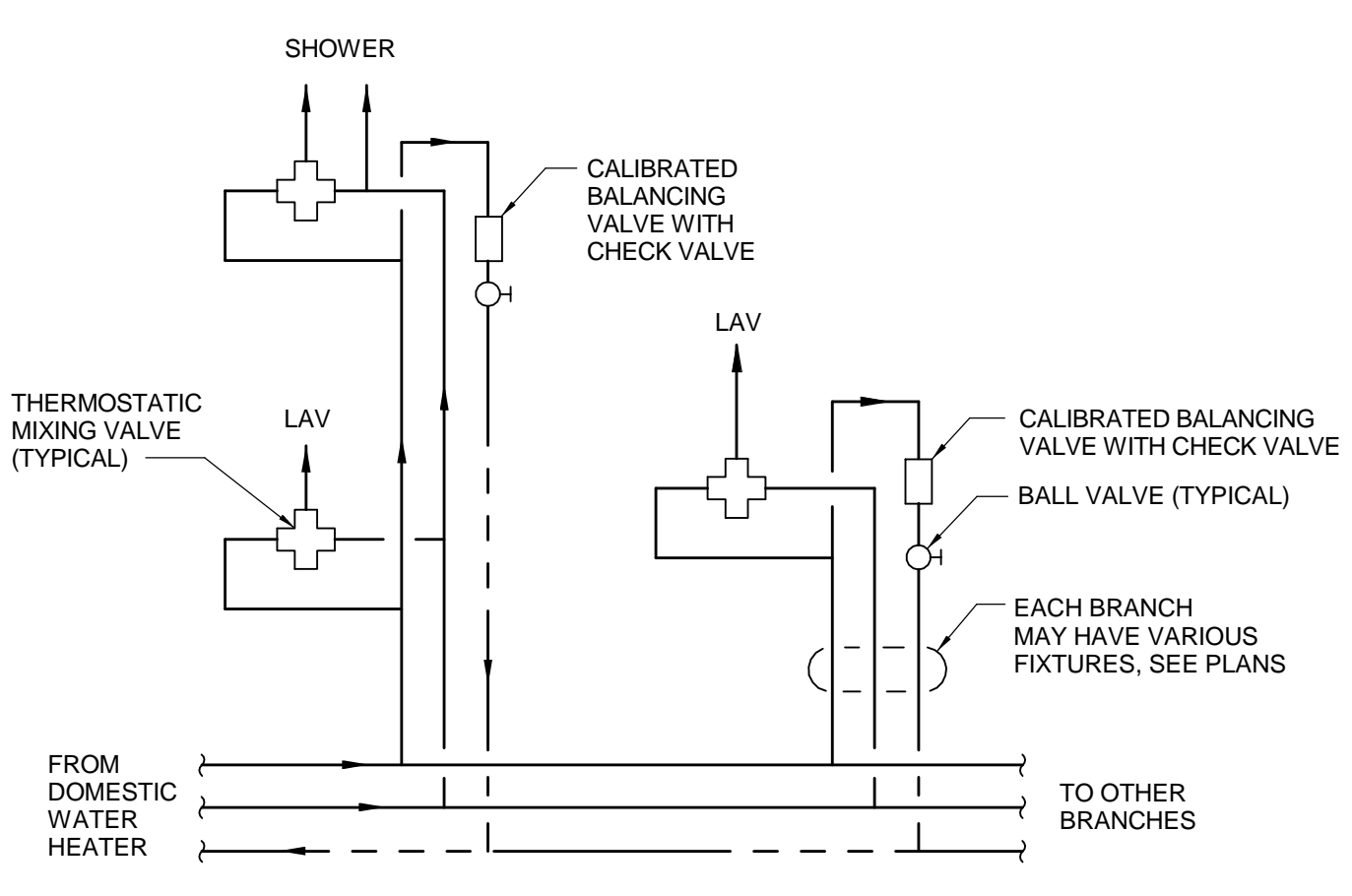


K10 EQUIPMENT PAD DETAIL
NOT TO SCALE

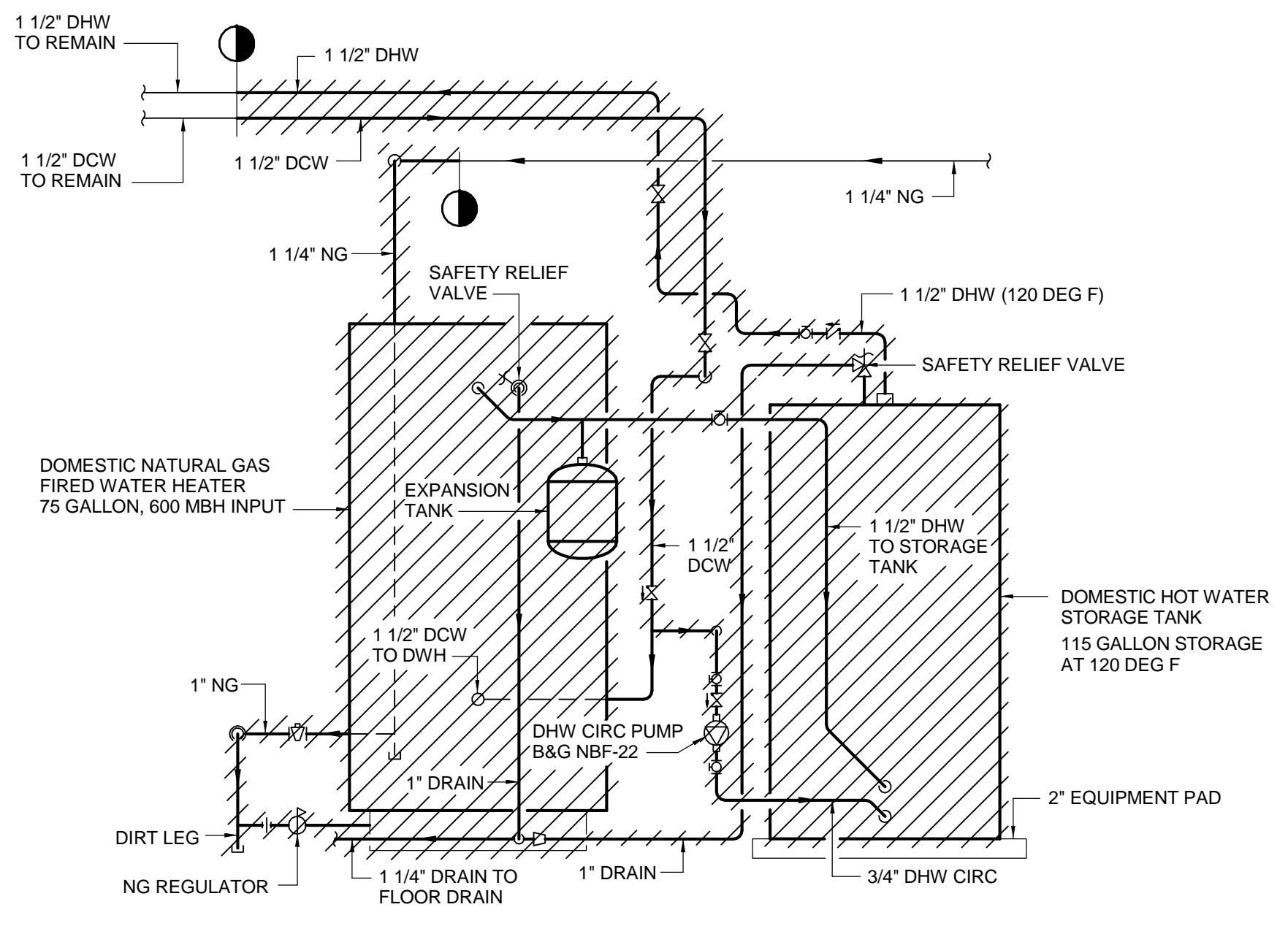


CP-1 AND CP-2:
5 GPM @ 17 FT / H₂O, 1/2" HP, 208/1/60

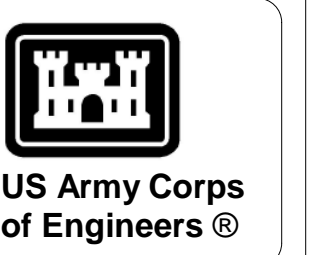
F2 HOT WATER RECIRC PUMP DETAIL
NOT TO SCALE



B2 HOT WATER RECIRCULATION DETAIL
NOT TO SCALE



B9 DOMESTIC WATER HEATER DEMOLITION DIAGRAM
NOT TO SCALE



MARK	DESCRIPTION	DATE

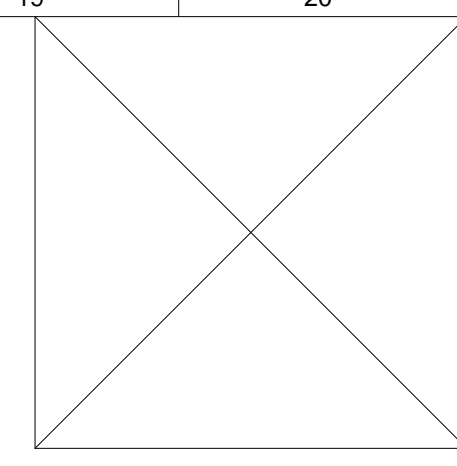
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UNITED STATES ARMY RESERVE CENTER, SALEM, VA
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 P2 #: 498678
DETAILS II

SHEET ID
P-502

PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	APPLICABLE STANDARD	MATERIAL	MOUNTING AND OUTLET	DIMENSIONS (IN.)	RIM HEIGHT (IN.)	SIZE CONNECTION (IN.)			FAUCETS, FITTINGS, AND ACCESSORIES	BASIS
							TRAP	CW	HW		
WC-1	WALL-MOUNTED ELONGATED WATER CLOSET	ASME A112.19.2 ADA	VITREOUS CHINA	FLOOR MOUNTED BOTTOM-OUTLET	26-3/4"x17-1/2"x14-1/4"	ADA 17" SEE ARCH ELEVATIONS	4"	1"	---	1. SEATS: ELONGATED OPEN-FRONT TOILET SEAT WITH SELF-SUSTAINING STAINLESS STEEL CHECK HINGE. 2. SUPPLY: MANUAL FLUSH VALVE 3. SIPHON JET FLUSHING	DESIGN CONSUMPTION: 1.1/1.28 GPF COLOR: WHITE BOLT CAPS
WC-2	WALL-MOUNTED ELONGATED WATER CLOSET	ASME A112.19.2 ADA	VITREOUS CHINA	FLOOR MOUNTED BOTTOM-OUTLET	26-3/4"x17-1/2"x14-1/4"	SEE ARCH ELEVATIONS	4"	1"	---	1. SEATS: ELONGATED OPEN-FRONT TOILET SEAT WITH SELF-SUSTAINING STAINLESS STEEL CHECK HINGE. 2. SUPPLY: MANUAL FLUSH VALVE 3. SIPHON JET FLUSHING	DESIGN CONSUMPTION: 1.1/1.28GPF COLOR: WHITE BOLT CAPS
LAV-1	LAVATORY	ASME A112.18.1 FAUCET ASME A112.18.1 ANSI A117.1	VITREOUS CHINA SINK; LEAD FREE BRASS FAUCET WITH CHROME FINISH	UNDERMOUNT COUNTERTOP	20-3/8"x17-3/8" x7-7/8"	ADA 34"	1-1/2"	1/2"	1/2"	1. FAUCET: ADA MANUAL FAUCET, PADDLE HANDLES, GOOSENECK FAUCET WITH 0.5 GPM TAMPERPROOF AERATOR, CERAMIC DISC VALVE CARTRIDGE, AND INTEGRAL HOT LIMIT SAFETY STOP. 2. PROVIDE MIXING VALVE AND BRAIDED FLEX SUPPLY HOSES WITH COMPRESSION CONNECTORS. 3. ADA PROTECTION TRAP, STOP, AND SUPPLY PROTECTORS.	DESIGN FLOW RATE: 0.5 GPM FRONT OVERFLOW COLOR: WHITE
LAV-2	LAVATORY	ASME A112.19.2 FAUCET ASME A112.18.1 ANSI A117.1	VITREOUS CHINA SINK; LEAD FREE BRASS FAUCET WITH CHROME FINISH	UNDERMOUNT COUNTERTOP	20-3/8"x17-3/8" x7-7/8"	34"	1-1/2"	1/2"	1/2"	1. FAUCET: ELECTRONIC SENSOR FAUCET WITH 0.5 GPM TAMPERPROOF AERATOR, CERAMIC DISC VALVE CARTRIDGE, AND INTEGRAL HOT LIMIT SAFETY STOP. 2. PROVIDE MIXING VALVE AND BRAIDED FLEX SUPPLY HOSES WITH COMPRESSION CONNECTORS. 3. ADA PROTECTION TRAP, STOP, AND SUPPLY PROTECTORS.	DESIGN FLOW RATE: 0.5 GPM FRONT OVERFLOW COLOR: WHITE
LAV-3	LAVATORY	ASME A112.19.2 FAUCET ASME A112.18.1 ANSI A117.1	VITREOUS CHINA SINK; LEAD FREE BRASS FAUCET WITH CHROME FINISH	WALL MOUNTED	20"x18 1/4"x5"	ADA 34"	1-1/2"	1/2"	1/2"	1. FAUCET: ELECTRONIC SENSOR FAUCET WITH 0.5 GPM TAMPERPROOF AERATOR, CERAMIC DISC VALVE CARTRIDGE, AND INTEGRAL HOT LIMIT SAFETY STOP. 2. PROVIDE MIXING VALVE AND BRAIDED FLEX SUPPLY HOSES WITH COMPRESSION CONNECTORS. 3. ADA PROTECTION TRAP, STOP, AND SUPPLY PROTECTORS. 4. ADA WALL MOUNTED VITREOUS CHINA SINK BASIN.	DESIGN FLOW RATE: 0.5 GPM FRONT OVERFLOW COLOR: WHITE
SK	SINK	ASME A112.18.1 FAUCET ASME A112.18.1 ANSI A117.1	OVAL VITREOUS CHINA SINK; LEAD FREE BRASS FAUCET WITH CHROME FINISH	UNDERMOUNT COUNTERTOP	21-1/2"x17-3/8" x5-1/2"	ADA 34"	1-1/2"	1/2"	1/2"	1. FAUCET: ADA MANUAL FAUCET, PADDLE HANDLES, GOOSENECK FAUCET WITH 0.5 GPM TAMPERPROOF AERATOR, CERAMIC DISC VALVE CARTRIDGE, AND INTEGRAL HOT LIMIT SAFETY STOP. 2. PROVIDE MIXING VALVE AND BRAIDED FLEX SUPPLY HOSES WITH COMPRESSION CONNECTORS. 3. ADA PROTECTION TRAP, STOP, AND SUPPLY PROTECTORS.	DESIGN FLOW RATE: 0.5 GPM FRONT OVERFLOW COLOR: WHITE
U	URINAL	ASME A112.19.2 ADA	VITREOUS CHINA	WALL-MOUNTED BACK-OUTLET	17-1/4"x20-3/4" x14-1/4"	19" STANDARD; ADA 12" SEE ARCH ELEVATIONS	2"	3/4"	---	1. MANUAL FLUSH VALVE 2. SUPPLY: CHROME-PLATED, 3/4" TOP INLET SPUD 3. PROVIDE CONCEALED TYPE WALL CARRIER	DESIGN CONSUMPTION: 0.125 GPF COLOR: WHITE
JS	JANITOR SINK	ASME A112.18.1	CAST-BRASS FAUCET TERRAZZO BASIN	WALL-MOUNTED FAUCET FLOOR-MOUNTED BASIN	24"x24"x12"	---	3"	1/2"	1/2"	1. FAUCET: PROVIDE WITH TOP WALL BRACE, STOPS, VACUUM BREAKER, BUCKET HOOK, AND THREADED SPOUT. 2. PROVIDE FLAT GRID STRAINER/DRAIN, STAINLESS STEEL THRESHOLD CAP	
EW-1	H/LOW ELECTRIC WATER COOLER WITH BOTTLE FILLING STATION	NSF/ANSI 42-53 AND 61-372	COPPER PIPING, STAINLESS STEEL BASIN & CASING	WALL-MOUNTED	36 1/4"x18 5/8"x46 1/4"	32-5/16" WITH ADA 27" CLEAR BELOW	1-1/4"	3/8"	--	1. PROVIDE 1-1/4" COPPER TRAP WITH CLEANOUT PLUG. 2. PROVIDE ASME A112.6.1M CONCEALED WALL HANGERS WITH THRU-BOLTS AND BACK PLATES 3. PROVIDE DIELECTRIC COUPLINGS ON BOTH SUPPLY AND WASTE CONNECTIONS 4. PROVIDE INTEGRAL RECESSED CHILLER.	CHILLER: 8.0 GPH AT 50 DEG F BASE FLOW RATE 370 RATED WATTS (5.0 FLA), MOUNTS TO FACTORY PROVIDED FRAME.
EW-2	SINGLE ELECTRIC WATER COOLER WITH BOTTLE FILLING STATION	NSF/ANSI 42-53 AND 61-372	COPPER PIPING, STAINLESS STEEL BASIN & CASING	WALL-MOUNTED	17 7/8"x18 1/2"x39 3/4"	32-5/16" WITH ADA 27" CLEAR BELOW	1-1/4"	3/8"	--	1. PROVIDE 1-1/4" COPPER TRAP WITH CLEANOUT PLUG. 2. PROVIDE ASME A112.6.1M CONCEALED WALL HANGERS WITH THRU-BOLTS AND BACK PLATES 3. PROVIDE DIELECTRIC COUPLINGS ON BOTH SUPPLY AND WASTE CONNECTIONS 4. PROVIDE INTEGRAL RECESSED CHILLER.	CHILLER: 8.0 GPH AT 50 DEG F BASE FLOW RATE 370 RATED WATTS (5.0 FLA), MOUNTS TO FACTORY PROVIDED FRAME.
SH-1	ADA SHOWER SYSTEM	ASME A112.18.1	CHROME PLATED METAL	WALL-MOUNTED	---	VALVE: 48" SLIDE BAR: 48" - 78"	2"	1/2"	1/2"	REMOVABLE HAND HELD SPRAY WITH SWIVEL CONNECTOR, 60" STAINLESS STEEL FLEX HOSE, 30" SLIDE BAR, HOSE WALL OUTLET, VACUUM BREAKER. PRESSURE BALANCED SHOWER VALVE W/ADJUSTABLE TEMP LIMIT STOP.	DESIGN FLOW RATE: 1.5 GPM
SH-2	SHOWER SYSTEM	ASME A112.18.1	CHROME PLATED METAL	WALL-MOUNTED	---	VALVE: 48" SHOWER HEAD: 80"	2"	1/2"	1/2"	PIVOTING SHOWER HEAD WITH VACUUM BREAKER. PRESSURE BALANCED SHOWER VALVE W/ADJUSTABLE TEMPERATURE LIMIT STOP	DESIGN FLOW RATE: 1.5 GPM
WF	WASH FOUNTAIN	ASME A112.19.3 ASME A112.18.1 ADA	304 STAINLESS STEEL	FLOOR MOUNTED	36"x26"x44"	33 1/4"	1 1/2"	1/2"	1/2"	1. AIR VALVE FOOT CONTROL 2. LOW-VOLTAGE PLUG-IN ADAPTER 3. EACH OUTLET IS CONTROLLED BY A SEPARATE SLOW-CLOSING SOLENOID VALVE. INFRARED SENSOR MODULE. 4. THREE WASH STATIONS	DESIGN FLOW RATE: 1.5 GPM



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 CHECKED BY: KEL
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US ARMY CORPS OF ENGINEERS
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UNITED STATES ARMY RESERVE CENTER - SALEM, VA
 TRAINING CENTER RENOVATION & ADDITION
 P2 #: 498678

SCHEDULES

SHEET ID
P-601

PLUMBING SPECIALITIES SCHEDULES

TAG	FIXTURE	APPLICABLE STANDARD	BODY MATERIAL	COLOR/FINISH	OUTLET CONNECTION	INLET CONNECTION	ACCESSORIES AND REMARKS
RPZ	DOMESTIC WATER BACKFLOW PREVENTER	AWWA C511-92	STAINLESS STEEL	STAINLESS STEEL	4"	4"	THE ASSEMBLY SHALL MEET THE REQUIREMENTS OF ASSE STD 1013; AWWA STD. C511; CSA B64.4 PROVIDE STRAINER
FCO	FLOOR CLEANOUT	ASME A112.36.2M	CAST-IRON	POLISHED BRONZE	AS INDICATED ON DRAWINGS	---	5-3/4" DIAMETER ROUND MEDIUM DUTY WITH TAPER THREAD SEAL, CLOSURE PLUG, HUB AND SPIGOT OR HUBLESS, TEE COMPATIBLE WITH PIPING, VANDAL PROOF TOP, NICKEL-BRONZE TOP IN FINISHED FLOORS, CAST IRON IN UNFINISHED FLOORS.
CO	CLEANOUT	ASME A112.36.2M	EPOXY COATED CAST-IRON	BRONZE	AS INDICATED ON DRAWINGS	---	ROUND HEAVY DUTY WITH TAPER THREAD SEAL, CLOSURE PLUG, HUB AND SPIGOT OR HUBLESS, TEE COMPATIBLE WITH PIPING, VANDAL PROOF CAST IRON TOP.
WCO	WALL CLEANOUT	ASME A112.36.2M	CAST-IRON	STAINLESS STEEL	AS INDICATED ON DRAWINGS	---	7-3/4" CHROME PLATED BRONZE SQUARE FRAME, CAST BRONZE TAPER THREAD PLUG, VANDAL PROOF SCREWS.
HB	HOSE BIBB	ASME A112.21.3M	CAST BRONZE	STAINLESS STEEL	3/4"	3/4"	BRONZE INTERIOR HOSE BIBB WITH INTEGRAL VACUUM REAKER, REMOVABLE WHEEL HANDLE, AND 3/4" HOSE THREAD OUTLET
WH	WALL HYDRANT	ASME A112.21.3M	CAST BRONZE	STAINLESS STEEL	3/4"	3/4"	BRONZE QUARTER TURN NON-FREEZE AUTOMATIC DRAINING, STAINLESS STEEL FACE, 6" CORE DRILLED WALL-MOUNTED SINGLE-HOLE FAUCET WITH INTEGRAL VACUUM BREAKER AND DUAL CHECK VALVE, LOOSE KEY HANDLE, LOCK SHIELD CAP, AND 3/4" HOSE THREAD OUTLET
SS/EW	SAFETY SHOWER / EYE WASH	-	SCH 40 GALV WITH ORANGE PIPE COVER PLASTIC SHOWER HEAD AND STAINLESS STEEL BOWL	-	1 1/4"	1 1/4"	1 1/4" NPT FEMALE TOP OR SIDE INLET SUPPLY AT 20 GPM EMERGENCY THERMOSTATIC MIXING VALVE FLOOR MOUNTED SET MIXING VALVE AT 80 DEG F

FLOOR AND ROOF DRAIN SCHEDULE

DESIGNATION	ITEM	BODY CONSTRUCTION	STRAINER CONSTRUCTION	CONNECTION	DESCRIPTION
FD	FLOOR DRAIN	COATED CAST-IRON	LIGHT DUTY NICKEL BRONZE	HUB OUTLET WITH GASKET	TWO-PIECE BODY WITH DOUBLE DRAINAGE FLANGE, FLASHING COLLAR, WEEPHOLES, BOTTOM OUTLET, ADJUSTABLE ROUND STRAINER. PROVIDE WITH ELASTOMERIC TRAP GUARD WITH CURL CLOSURE AT BOTTOM.
FFD	FUNNEL FLOOR DRAIN	COATED CAST-IRON	LIGHT DUTY NICKEL BRONZE WITH NICKEL BRONZE FUNNEL	HUB OUTLET WITH GASKET	TWO-PIECE BODY WITH DOUBLE DRAINAGE FLANGE, FLASHING COLLAR, WEEPHOLES, BOTTOM OUTLET, ADJUSTABLE ROUND STRAINER WITH FUNNEL. PROVIDE WITH ELASTOMERIC TRAP GUARD WITH CURL CLOSURE AT BOTTOM.

WATER HEATER SCHEDULE

DESIGNATION	BUILDING	TYPE	TANK CAPACITY (GALLONS)	RECOVERY CAPACITY (GALLONS PER HOUR)	TEMPERATURE RISE (DEGREES F)	INPUT BTU / HR	ELECTRICAL CHARACTERISTICS (VOLT/PH/Hz)
DWH-1	TC	NATURAL GAS STORAGE	90	175	100	150,000	120/1/60
DWH-2	VMS	NATURAL GAS STORAGE	110	328	100	285,000	120/1/60

EXPANSION TANK SCHEDULE

DESIGNATION	DWH-1	DWH-2
LOCATION	TC BUILDING	VMS BUILDING
SERVICE	DOMESTIC HOT WATER	DOMESTIC HOT WATER
TANK SIZE (GALLONS)	10.3	10.3
FILL PRESSURE (PSI)	60	60
RELIEF VALVE PRESSURE SETTING (PSI)	120	120
REMARKS:		



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SCHEDULES II

SHEET ID
P-602