

PLUMBING ABBREVIATIONS

Table of plumbing abbreviations including A/E (Architect/Engineer), AFF (Above Finish Floor), ASME (American Society of Mechanical Engineers), and various pipe and valve symbols.

PLUMBING PIPING SYMBOLS

Table of plumbing piping symbols including EXISTING TO REMAIN, DOMESTIC COLD WATER, DOMESTIC HOT WATER, and various water return lines.

PLUMBING VALVE SYMBOLS

Table of plumbing valve symbols including BALL VALVE, BALANCING VALVE, BUTTERFLY VALVE, ISOLATION VALVE, and PRESSURE REGULATING VALVE.

GENERAL PLUMBING SYMBOLS

Table of general plumbing symbols including DIRECTION OF PIPE PITCH, DIRECTION OF FLOW, ANCHOR, REDUCER OR INCREASER, and various pipe and connection symbols.

DRAWING SYMBOLS

Table of drawing symbols including KEY NOTE SYMBOL, MULTIPLE KEY NOTES, DETAIL NUMBER, SECTION LETTER, and various equipment and barrier symbols.

GENERAL NOTES

- GENERAL
1. PRIOR TO ANY WORK COMMENCING IN AN AREA, THE CONTRACTOR SHALL NOTIFY THE COR OF HIS INTENTION TO WORK IN THE AREA AND SHALL SCHEDULE A WALKTHROUGH WITH THE COR TO DETERMINE EXISTING CONDITIONS.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, INVERTS, PIPE SIZES AND MATERIALS, FLUID FLOW DIRECTION(S) AND CONDITIONS AT THE SITE AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO BEGINNING INSTALLATION OR FABRICATION WORK.
3. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES EVEN IF THE UTILITIES ARE NOT SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL REPAIR ALL DAMAGES AT THEIR OWN EXPENSE AND WILL BE RESPONSIBLE FOR ANY ADDITIONAL DAMAGES CAUSED BY A SYSTEM BEING DOWN.
4. DAMAGE TO EXISTING WALLS, CEILINGS AND FLOORS DUE TO THE WORK OF THIS CONTRACTOR, INCLUDING REMOVAL OF FLOOR DRAIN AND PIPE PENETRATIONS, SHALL BE RESTORED TO ORIGINAL CONDITION. REFER TO ARCHITECTURAL DOCUMENTS FOR FINISHES.
5. THE CONTRACTOR WILL BE RESPONSIBLE FOR ENSURING THAT ALL RULES AND REGULATIONS, INCLUDING THOSE WHICH MAY BE ISSUED BY THE COR, ARE BEING OBSERVED, PARTICULARLY WORKPLACE SAFETY AND THE CONDUCT OF ALL THOSE EMPLOYED DIRECTLY AND INDIRECTLY BY HIM ON THE PREMISES, AND THE COR'S EMPLOYEES WHO MAY BE IMPACTED OR AFFECTED BY CONSTRUCTION ACTIVITIES. THE CONTRACTOR WILL INSTALL SIGNAGE, TEMPORARY FENCES, BARRIERS, AND OTHER MEANS TO PROVIDE WARNING AND PERSONNEL SAFETY. PLACEMENT OF THESE ITEMS WILL BE COORDINATED WITH THE COR AND HIS ONGOING OPERATIONS AND WILL PROMPTLY BE RESTORED WHEN WORK IN A PARTICULAR AREA HAS BEEN COMPLETED.
6. ALL WORK WILL BE LAWFULLY EXECUTED IN A NEAT AND WORKMANLIKE MANNER AND WILL BE DONE IN ACCORDANCE WITH THE GOVERNING CODES, INDUSTRY STANDARDS AND IN CONFORMANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND REQUIREMENTS.
7. WORK UNDER THIS CONTRACT SHALL CONSIST OF THE CONTRACTOR PROVIDING ALL LABOR, MATERIALS, AND SERVICES, INCLUDING WORK NOT SPECIFICALLY SHOWN BUT REASONABLY IMPLIED.
8. WORK ALL DRAWINGS WITH THE PROJECT SPECIFICATIONS.
9. PIPING SHOWN ON RESPECTIVE PLANS OCCURS ABOVE THAT FLOOR OR AT THE CEILING OF THAT FLOOR SERVING THE FLOOR UNLESS OTHERWISE NOTED.
10. PIPING WITHIN A STORY IS DESIGNATED AS "RISE". PIPING RISING TO ANOTHER STORY IS NOTED AS "UP". PIPING DROPPING WITHIN A STORY IS NOTED AS "DROP". PIPING DROPPING TO ANOTHER STORY IS NOTED AS "DN".
11. AFTER THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL COMPLETELY CLEAN ALL SURFACES OF CONSTRUCTION DEBRIS. SURFACES SHALL BE WIPED CLEAN OF DUST, INCLUDING FIXTURES, WINDOW SILLS, DOOR FRAMES, ETC.. ANY TOILETS OR SINKS WITHIN THE CONSTRUCTION AREA SHALL BE COMPLETELY CLEANED AFTER THE CONSTRUCTION HAS BEEN COMPLETED USING NATURAL CLEANERS.
12. THE CONTRACTOR SHALL RECEIVE ALL DELIVERIES OF MATERIALS, EQUIPMENT, TOOLS, OR OTHER GOODS OFF OF STATION, AND BRING THEM TO THE JOB SITE. THE VA MEDICAL CENTER SHALL NOT ACCEPT DELIVERIES FOR PROJECT PURPOSES.
13. COMPLETE LAYOUT DRAWINGS SHALL BE REQUIRED BY PARAGRAPH, SUBMITTALS. CONSTRUCTION WORK SHALL NOT START ON ANY SYSTEM UNTIL THE LAYOUT DRAWINGS HAVE BEEN APPROVED BY VA.
PLUMBING NOTES
1. ALL PIPING MATERIALS AND COMPONENTS INCLUDING FITTINGS, PIPE, FLANGES, VALVES, ETC. SHALL BE DESIGNATED, FABRICATED AND INSTALLED PER THE APPROPRIATE SECTIONS OF THE LATEST CODES, VETERAN'S AFFAIRS PLUMBING STANDARDS AND PROJECT CONTRACT DOCUMENTS.
2. ALL SANITARY SEWERS 2" AND SMALLER SHALL SLOPE 1/4" PER FOOT (MIN). ALL SANITARY SEWERS 3" AND LARGER SHALL SLOPE 1/8" PER FOOT (MIN) IN THE DIRECTION OF FLOW.
3. ALL HORIZONTALLY ROUTED WASTE VENTS SHALL BE INSTALLED WITH A SLOPE TO FACILITATE GRAVITY DRAINAGE TO THE WASTE SYSTEM.
4. ALL CLEANOUTS INSTALLED IN THE SEWER SYSTEM SHALL BE SIZED AS FOLLOWS:
PIPE SIZE SIZE OF CLEANOUT
2" 2"
2-1/2" 2-1/2"
3" 3"
4" 4"
5. CLEANOUTS INSTALLED IN HORIZONTAL DRAINAGE PIPING SHALL BE SPACED AT INTERVALS NOT EXCEEDING 100'.
6. THE MAXIMUM VERTICAL DISTANCE FROM THE FIXTURE OUTLET (LAVATORY, FLOOR DRAIN ETC.) TO THE TRAP WEIR SHALL BE 24".
7. SURFACES TO BE SOLDERED SHALL BE CLEANED BRIGHT. THE JOINTS SHALL BE PROPERLY FLUXED AND MADE WITH APPROVED SOLDER. SOLDER JOINTS FOR POTABLE WATER SHALL BE MADE WITH A SOLDER CONTAINING NOT MORE THAN 0.2 PERCENT LEAD.
8. UNIONS SHALL BE INSTALLED AT ALL EQUIPMENT. THE USE OF DIELECTRIC UNIONS AND FLANGES MUST BE INSTALLED IN AREAS WHERE JOINING OF DISSIMILAR METALS (i.e. CARBON STEEL TO COPPER OR BRONZE, ETC.) THIS IS TO FACILITATE PIPING REMOVAL AND REASSEMBLY FOR FUTURE MAINTENANCE WORK AND/OR PREVENT GALVANIC CORROSION.
9. CONTRACTOR SHALL PROPERLY BRACE, ANCHOR, AND SUPPORT ALL PIPING, VALVES ETC. IN ACCORDANCE WITH MSS SP-58 AND SPECIFICATION 13 05 41.
10. PIPE SUPPORT SPACING SHALL BE IN ACCORDANCE WITH MSS-58.
11. ALL POTABLE WATER BRANCHES SHALL BE INSTALLED WITH ISOLATION VALVES CLOSE TO MAIN.
12. ALL PLUMBING FIXTURES SHALL BE PROVIDED WITH WATER ISOLATION VALVES.
13. CONTRACTOR SHALL PROVIDE WALL ACCESS COVERS TO ALL CLEANOUTS AND VALVES LOCATED WITHIN WALLS AND CEILINGS.
14. ALL WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES SHALL BE PROTECTED IN ACCORDANCE WITH SPECIFICATIONS.
15. ALL PIPES OR TUBING WHICH PASS THROUGH RATED AND NON-RATED WALLS, FLOORS AND FOUNDATION WALLS, SHALL PASS THROUGH A SCHEDULE 40 CARBON STEEL PIPE SLEEVE. SLEEVES WHICH PASS THROUGH MASONRY SHALL BE GALVANIZED COATED. ALL SLEEVES SHALL BE INSTALLED FLUSH ON BOTH SIDES OF WALL PENETRATION. NON-RATED WALLS: THE SLEEVE SHALL BE SIZED TO ALLOW FREE PASSAGE OF INSULATED AND NON-INSULATED PIPES AND TUBING. RATED WALLS: PIPES WHICH PASS THROUGH FIRE-RATED WALLS & FLOOR SHALL USE THE APPROPRIATE DETAILED INSTALLATION METHOD OF SEALING WHILE MAINTAINING THE INTEGRITY OF THE WALL'S FIRE RATING(S). EXTENSION WALLS & FOUNDATION: PIPES WHICH PASS THROUGH EXTENSION WALLS OR FOUNDATION WALLS SHALL BE SEALED AND MADE WEATHER-TIGHT.
16. INSULATE COLD AND HOT WATER PIPING PER THE PROJECT DOCUMENTS WITH FIRE RETARDANT VAPOR BARRIER JACKET. PIPE INSULATION SHALL BE SEALED WITH A FIRE RESISTIVE ADHESIVE.
17. CONTRACTOR IS RESPONSIBLE FOR ALL TESTING AND COORDINATION OF INSPECTIONS OF THE ENTIRE POTABLE WATER, SANITARY SEWER AND VENT SYSTEMS. TESTING SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND THE INTERNATIONAL PLUMBING CODE.
18. ALL PIPING AND VALVES SHALL BE PROPERLY IDENTIFIED, LABELED AND TAGGED. CONTRACTOR SHALL SUBMIT VALVE TAG LIST PER SPECIFICATIONS.
19. CONTRACTOR SHALL FLUSH AND DISINFECT THE ENTIRE POTABLE WATER SYSTEM. FLUSHING AND DISINFECTION OF THE POTABLE WATER SYSTEM SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND THE INTERNATIONAL PLUMBING CODE. SUBMIT WITNESSED REPORT OF SYSTEM DISINFECTION IN ACCORDANCE WITH VA DIRECTIVE 1061.
20. PROVIDE THREE (3) ELBOW SWING JOINTS FOR ALL DOMESTIC HOT WATER CONNECTIONS TO THE MAIN.
21. CONTRACTOR SHALL PROVIDE AND INSTALL THERMAL EXPANSION/CONTRACTION COMPENSATION IN THE DOMESTIC HOT WATER AND RECIRCULATION SYSTEMS, LIMITING THE MAXIMUM MOVEMENT TO 1-1/2" OR LESS. ANCHORS & RESTRAINTS SHALL BE INSTALLED WHERE NECESSARY. ALL PIPES SHALL BE PROPERLY GUIDED INTO THE THERMAL EXPANSION LOOPS OR COMPENSATORS.
22. NO PRESSURIZED PIPING SHALL BE TERMINATED AND ABANDONED IN A WALL OR OTHER INACCESSIBLE AREA. ALL TERMINATIONS SHALL INCLUDE REMOVAL OF PIPING BACK TO AN EASILY ACCESSIBLE AREA WHERE THE TERMINATION SHALL BE MADE WITHIN 2 PIPE DIAMETERS OF ORIGINATING PIPE BRANCH TEE.
23. ALL FIXTURES SUPPLIED WITH DOMESTIC USE HOT WATER SHALL BE PROVIDED WITH A MIXING VALVE AND ANTI-SCALD DEVICE TO LIMIT OUTLET WATER TEMPERATURE TO 110 DEG. F. IN ACCORDANCE WITH VA DIRECTIVE 1061.
24. POSITIVE SHUT-OFF OF EXISTING VALVES CAN NOT BE GUARANTEED, VA WILL PROVIDE REASONABLE EFFORT TO CLOSE OFF PIPING WITH EXISTING VALVES. IF EXISTING VALVES FAIL TO HOLD, CONTRACTOR IS RESPONSIBLE FOR COST AND EFFORT REQUIRED TO FREEZE PIPE AS NEEDED.

PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER.

CONSULTANTS

Table of consultants including HAZARDOUS MATERIALS (MABBETT & ASSOCIATES, INC.), CIVIL/STRUCTURAL (PROFESSIONAL ENGINEERING CONSULTANTS, P.A.), ARCHITECTURAL (OCULUS INC.), and FIRE SUPPRESSION (KOFFEL ASSOCIATES).

Table of fire suppression and electronic security consultants including MAGNA ENGINEERS and FORCE PROTECT.

ENGINEER OF RECORD

Logo and contact information for Miller-Remick LLC, M.E.P. & Structural Engineering, A Service Disabled Veteran Owned Small Business.

Professional Engineer seal for Anthony D. Paolard, License No. 26413, State of Kansas.

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

Drawing Title: PLUMBING ABBREVIATIONS & SYMBOLS

Approved: Project Director

Phase: 100% BID SET

FULLY SPRINKLERED

Project Title: INSTALL NEW BOILERS IN BUILDING 13

Location: ROBERT J. DOLE VA MEDICAL CENTER WICHITA, KANSAS

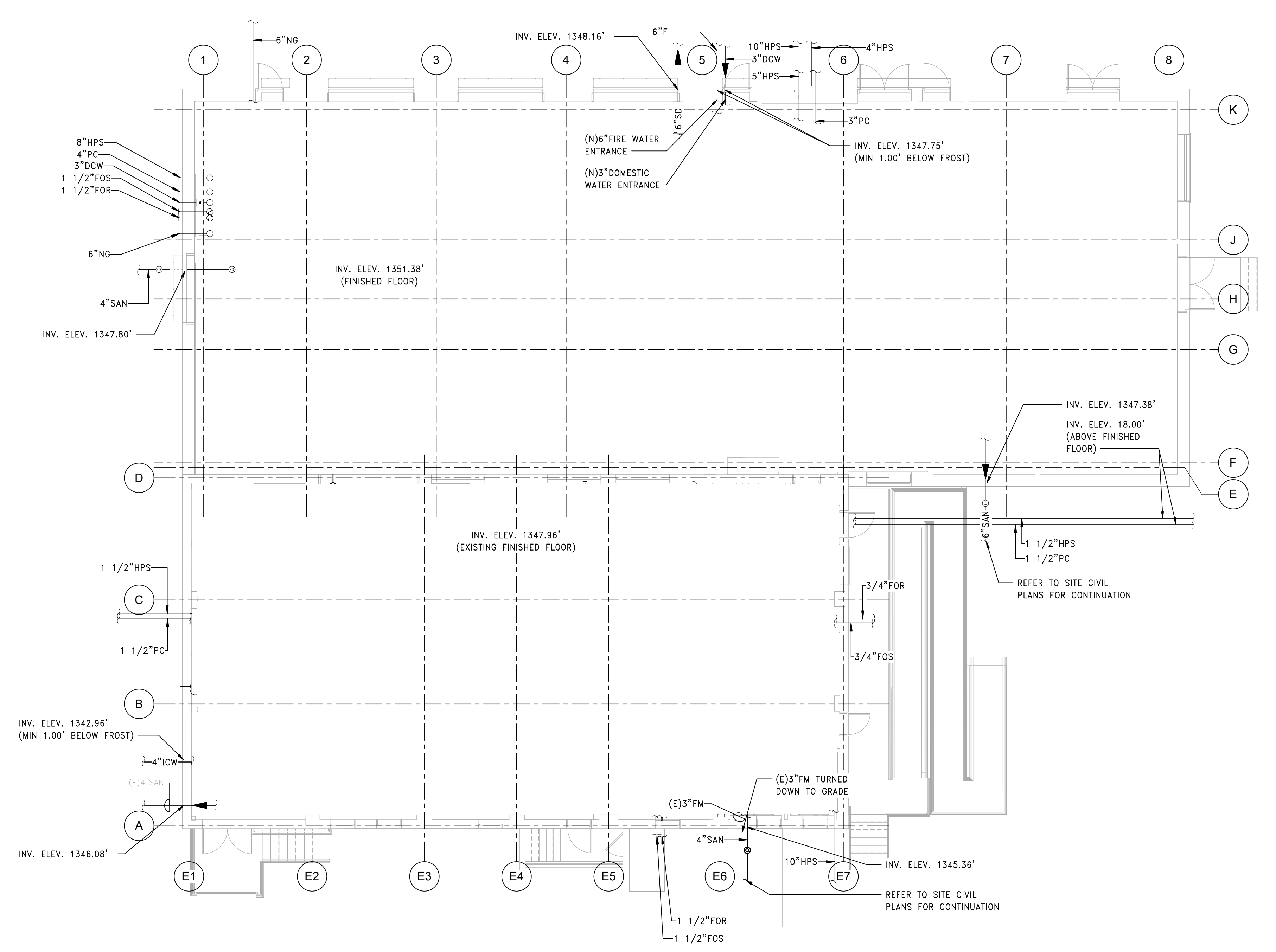
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Project Number: 589A7-18-302

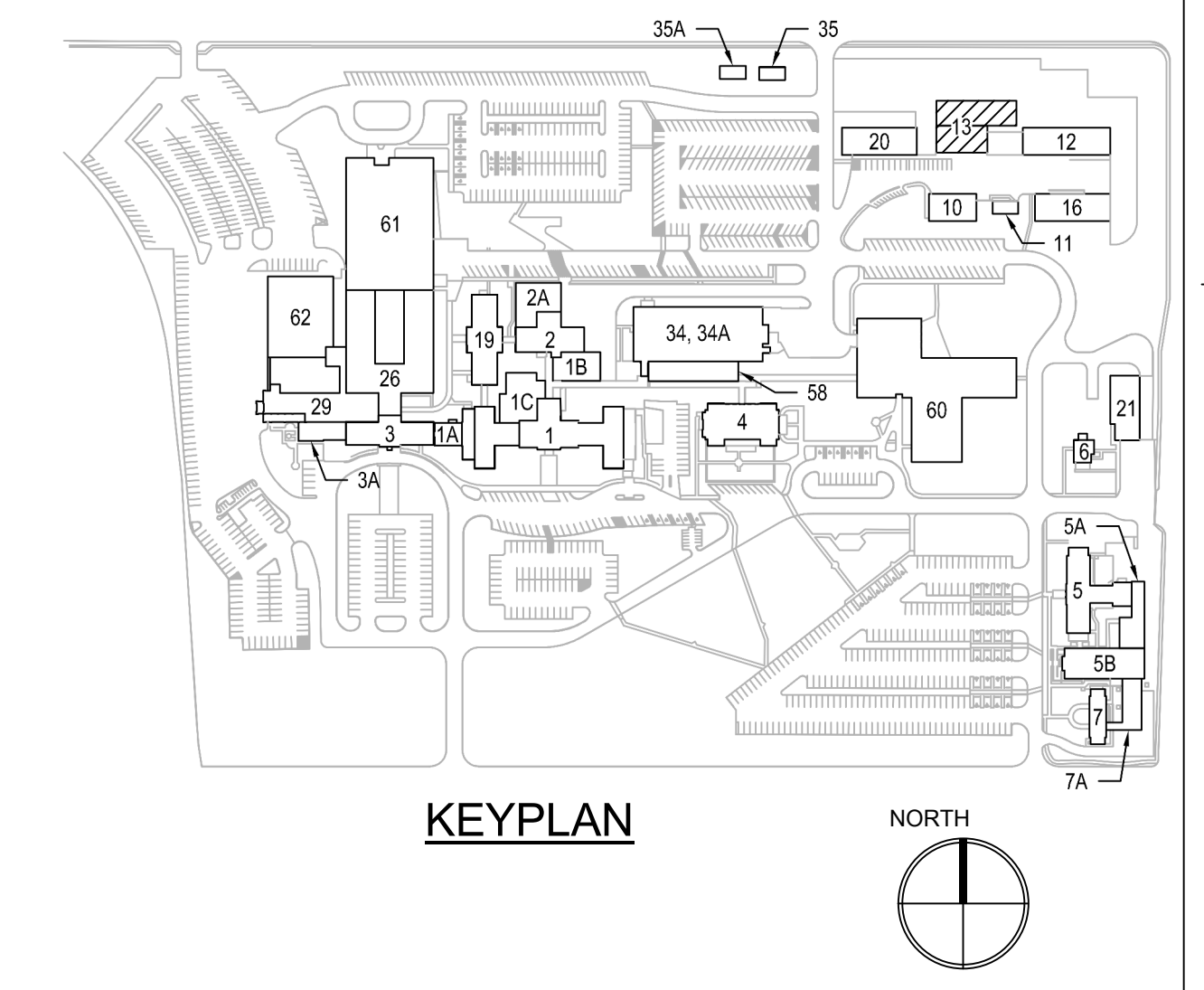
Building Number: 13

Drawing Number: P-001

- GENERAL NOTES:**
1. REFER TO DRAWING P-001 FOR PLUMBING ABBREVIATIONS, GENERAL NOTES AND SYMBOLS.
 2. REFER TO DRAWING P-500 SERIES FOR PLUMBING DETAILS.
 3. REFER TO DRAWING P-600 SERIES FOR PLUMBING SYSTEMS RISER DIAGRAMS.
 4. REFER TO DRAWING P-701 FOR PLUMBING SCHEDULES.



1 PLUMBING PLAN - SITE UTILITIES ENTRANCES
SCALE: 1/8" = 1'-0"



PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER

NO.	DESCRIPTION	DATE

CONSULTANTS

<p>HAZARDOUS MATERIALS MABBETT & ASSOCIATES, INC. 105 CENTRAL STREET, STONEHAM, MA 02180 PHONE: (781)275-8050</p>	<p>FIRE SUPPRESSION KOFFEL ASSOCIATES 8815 CENTRE PARK DRIVE, SUITE 200, COLUMBIA, MD 21045 PHONE: (410)759-2246</p>
<p>CIVIL / STRUCTURAL PROFESSIONAL ENGINEERING CONSULTANTS, P.A. 303 SOUTH TOPEKA, WICHITA, KS 67202 PHONE: (316)262-2691</p>	<p>ELECTRONIC SECURITY MAGNA ENGINEERS 861 CORPORATE DRIVE, SUITE 210, LEXINGTON, KY 40503 PHONE: (859)309-2990</p>
<p>ARCHITECTURAL OCULUS INC. 1 SOUTH MEMORIAL DRIVE, SUITE 1500, SAINT LOUIS, MO 63102 PHONE: (314)367-8100</p>	<p>PHYSICAL SECURITY FORCE PROTECT 3210 GULF BLVD, UNIT 304, BELLSAIR BEACH, FL 33786 PHONE: (502)836-4232</p>

ENGINEER OF RECORD

Miller-Remick LLC
M.E.P. & Structural Engineering
A Service Disabled Veteran Owned Small Business

1010 KINGS HIGHWAY SOUTH
CHERRY HILL, NEW JERSEY 08034
PHONE: (856)429-4000
FAX: (856)429-9002
MR PROJECT NO: 0499-0121

MILLER-REMIK LLC
PROFESSIONAL ENGINEER

ANTHONY D. PACIARO
LICENSED PROFESSIONAL ENGINEER
26413
KANSAS
9.3.2021

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
PLUMBING NEW WORK PLAN SITE UTILITIES

Approved: Project Director

Phase

100% BID SET

FULLY SPRINKLERED

Project Title
INSTALL NEW BOILERS IN BUILDING 13

Location
ROBERT J. DOLE VA MEDICAL CENTER
WICHITA, KANSAS

Issue Date
2021-09-03

Checked
PD

Drawn
AHTM

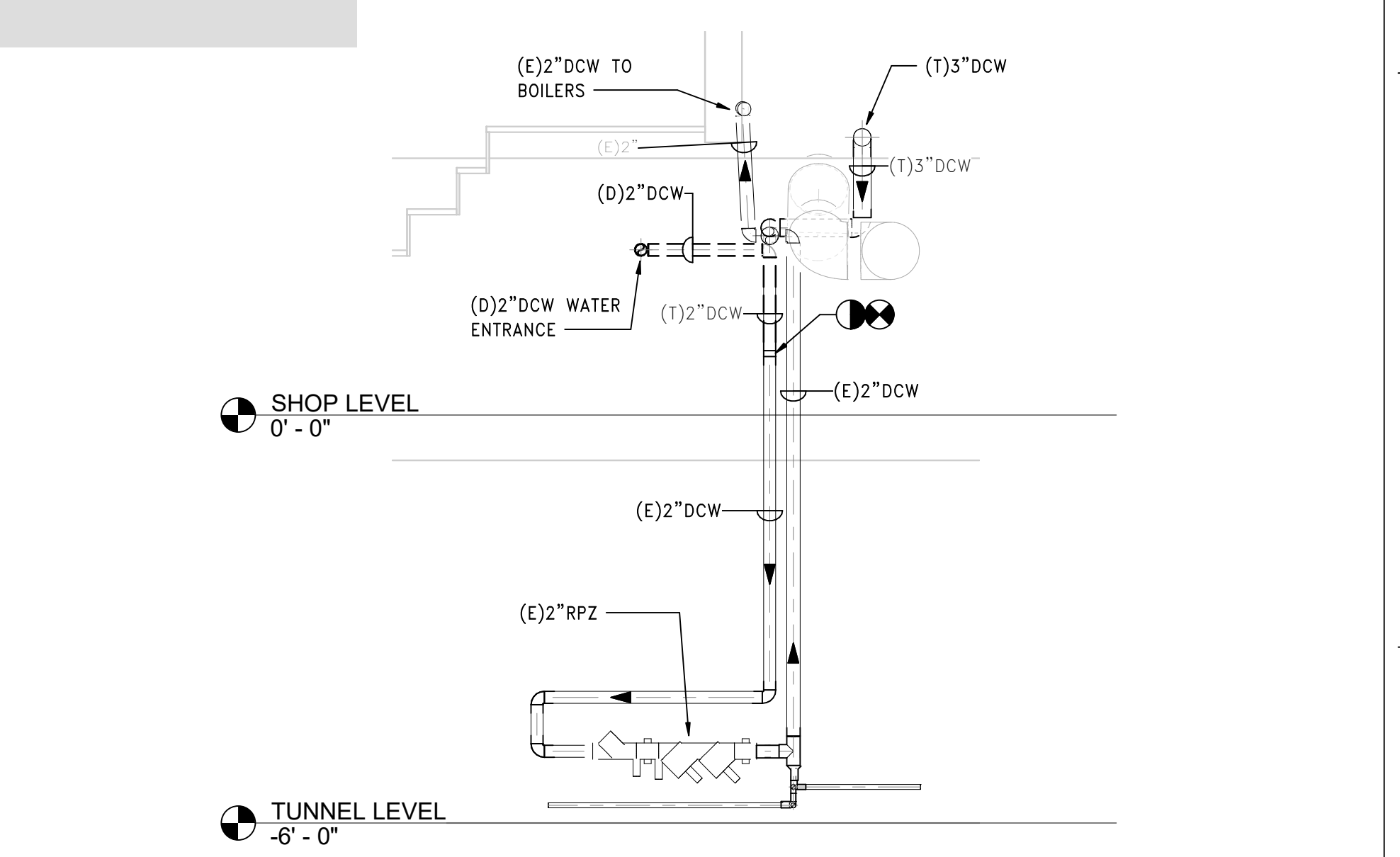
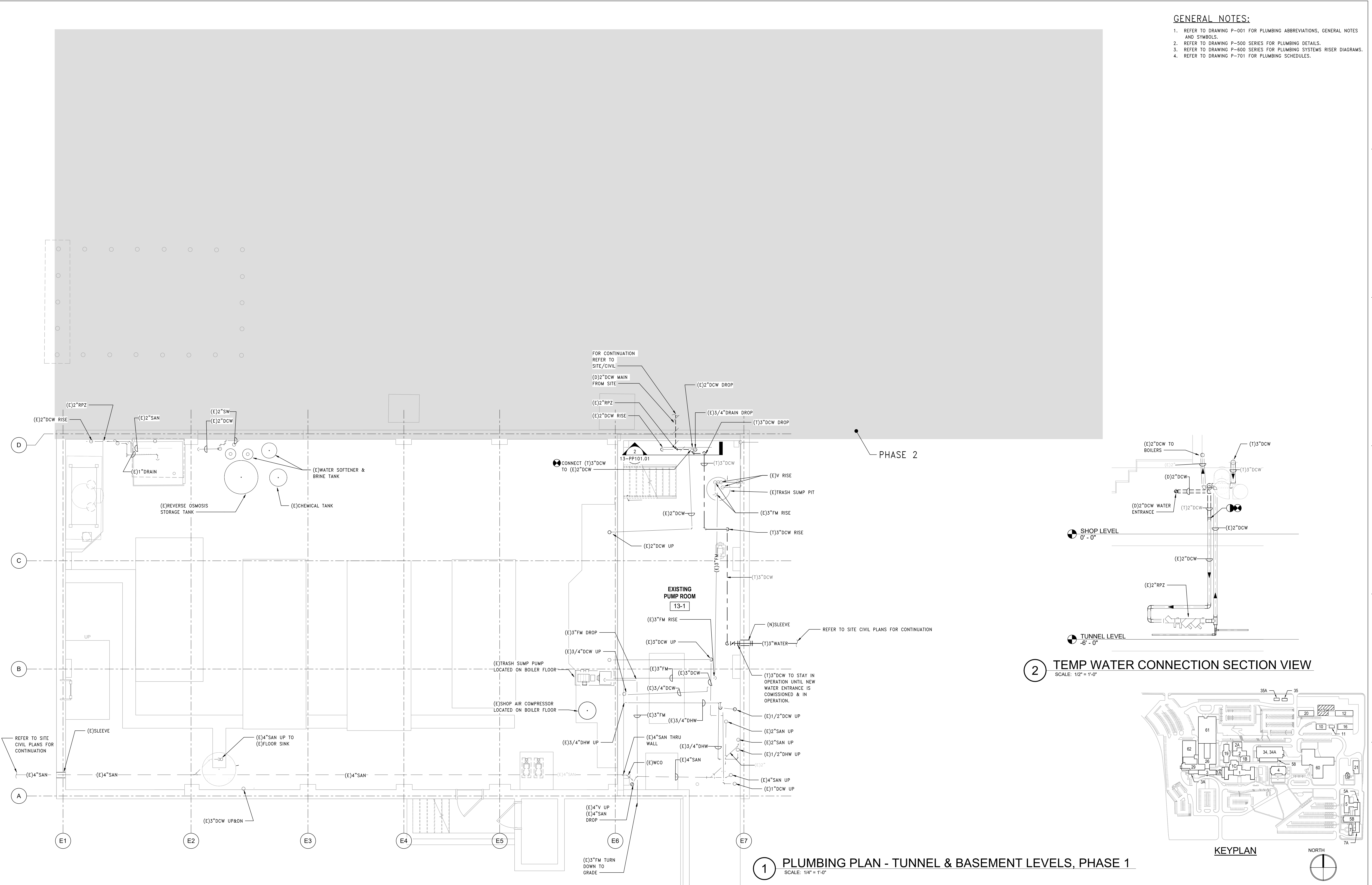
Project Number
589A7-18-302

Building Number
13

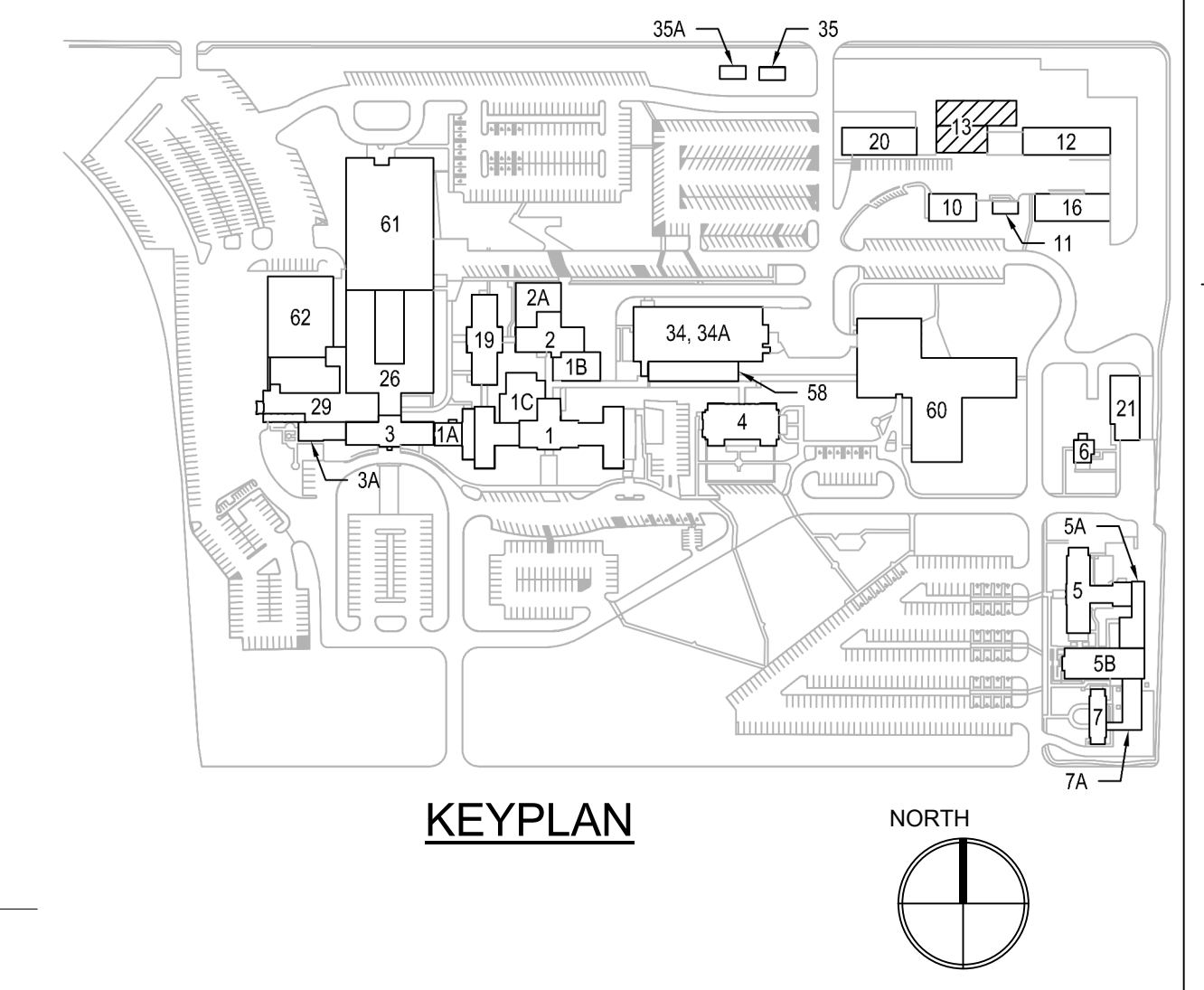
Drawing Number
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 - REFER TO DRAWING P-701 FOR PLUMBING SCHEDULES.



2 TEMP WATER CONNECTION SECTION VIEW
SCALE: 1/2" = 1'-0"



1 PLUMBING PLAN - TUNNEL & BASEMENT LEVELS, PHASE 1
SCALE: 1/4" = 1'-0"

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CONSULTANTS

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ENGINEER OF RECORD

<p>Miller-Remick LLC M.E.P. & Structural Engineering A Service Disabled Veteran Owned Small Business 1010 KINGS HIGHWAY SOUTH CHERRY HILL, NEW JERSEY 08034 PHONE: (856)439-4000 FAX: (856)439-9025 MR PROJECT NO: 0499-0121</p>	<p>MILLER-REMIK LLC PROFESSIONAL ENGINEER WHITNEY D. PACARD LICENSED PROFESSIONAL ENGINEER KANSAS 26413 9.3.2021</p>
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Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title
PLUMBING PIPING PLAN TUNNEL & BSMT LEVELS, PHASE 1

Approved: Project Director

Phase
100% BID SET

FULLY SPRINKLERED

Project Title
INSTALL NEW BOILERS IN BUILDING 13

Location
ROBERT J. DOLE VA MEDICAL CENTER WICHITA, KANSAS

Issue Date
2021-09-03

Checked
Checker

Drawn
Author

Project Number
589A7-18-302

Building Number
13

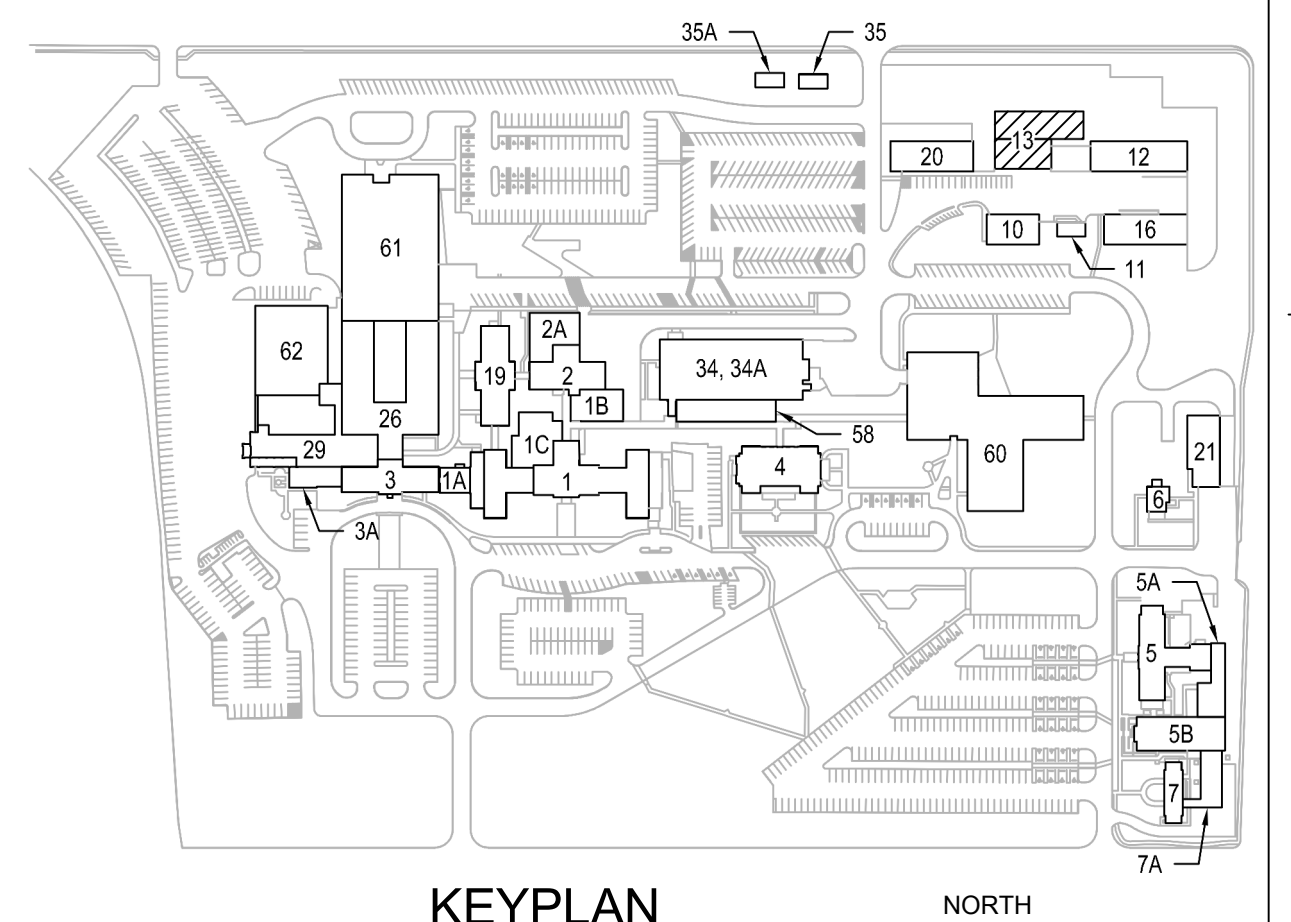
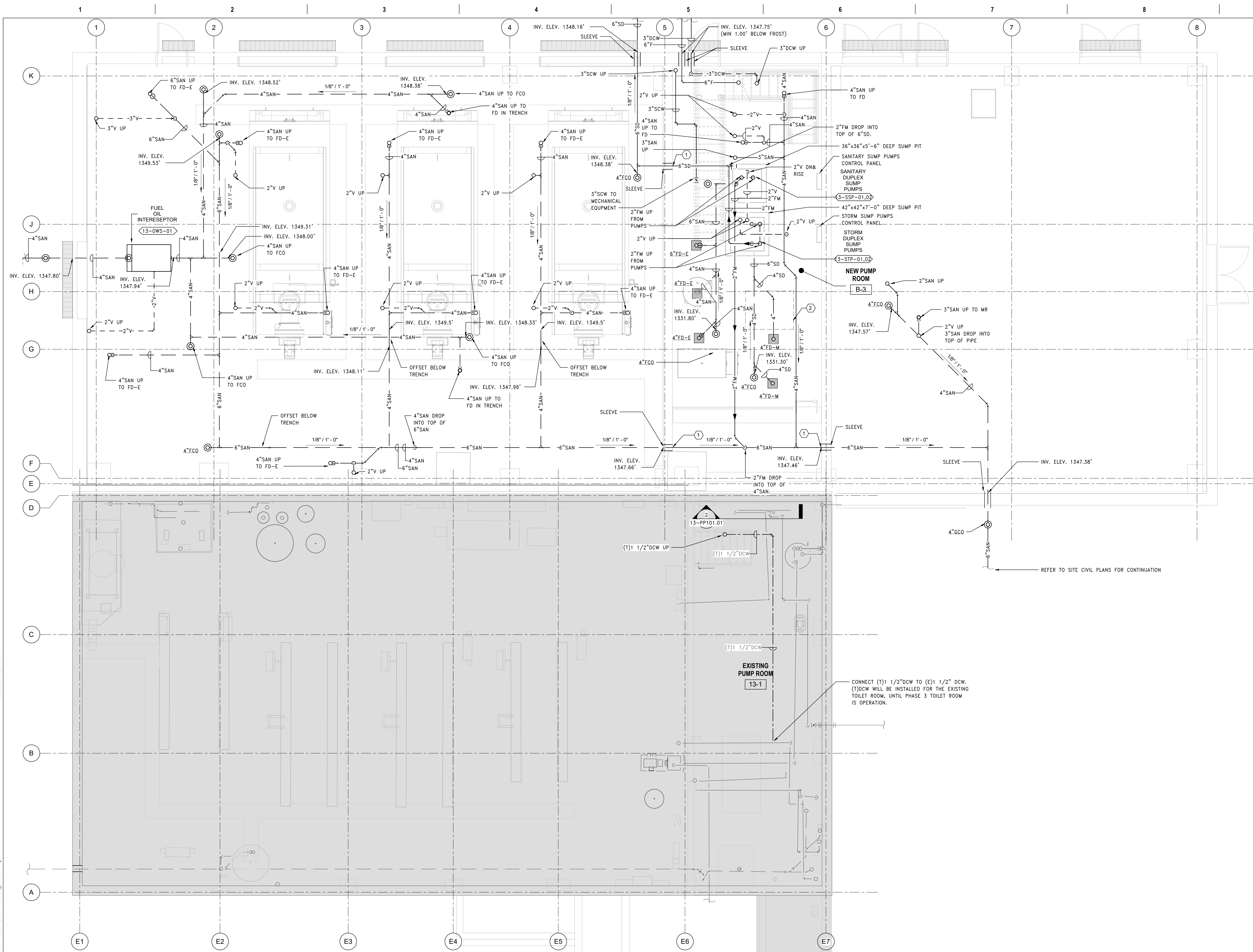
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GENERAL NOTES:

1. REFER TO DRAWING P-001 FOR PLUMBING ABBREVIATIONS, GENERAL NOTES AND SYMBOLS.
2. REFER TO DRAWING P-500 SERIES FOR PLUMBING DETAILS.
3. REFER TO DRAWING P-600 SERIES FOR PLUMBING SYSTEMS RISER DIAGRAMS.
4. REFER TO DRAWING P-701 FOR PLUMBING SCHEDULES.

SHEET KEYNOTES:

1. ALL SANITARY PIPING EXPOSED IN THE BASEMENT SHALL BE CAST IRON.
2. FLOOR ACCESS DOOR ABOVE TO CONTROL ROOM. COORDINATE PIPING TO PROVIDE CLEAR PATH FOR RIGGING OF EQUIPMENT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL DETAILS.



1 PLUMBING PLAN - TUNNEL & BASEMENT LEVELS, PHASE 2
SCALE: 1/4" = 1'-0"

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CONSULTANTS

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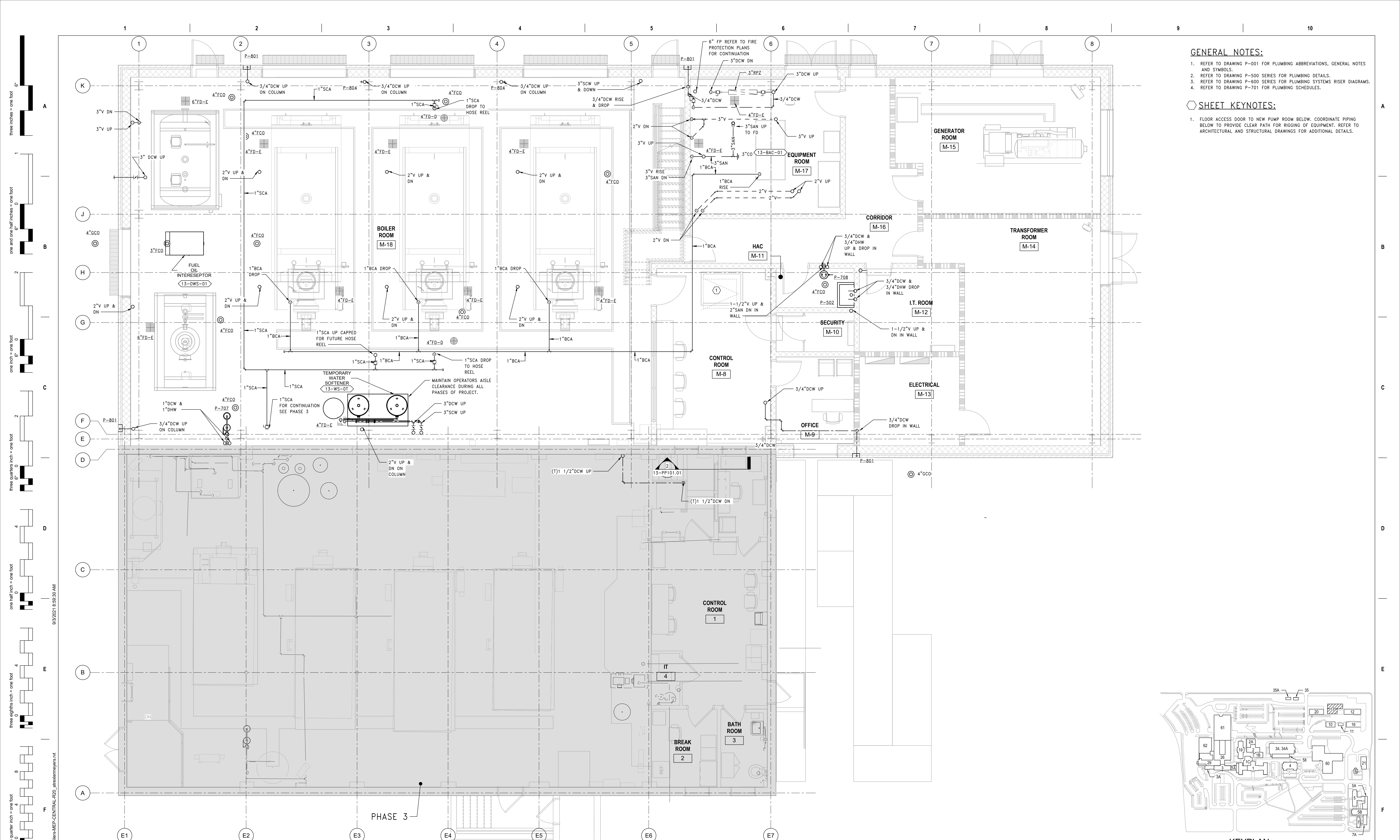
ENGINEER OF RECORD

<p>Miller-Remick LLC M.E.P. & Structural Engineering A Service Disabled Veteran Owned Small Business 1010 KINGS HIGHWAY SOUTH CHERRY HILL, NEW JERSEY 08034 PHONE: (856)429-4000 FAX: (856)429-5002 MR PROJECT NO: 0499-0121</p>	<p>MILLER-REMIK LLC PROFESSIONAL ENGINEER WILSONY D. PACIARD LICENSED PROFESSIONAL ENGINEER 26413 KANSAS 9.3.2021</p>
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<p>Office of Construction and Facilities Management U.S. Department of Veterans Affairs</p>	<p>Drawing Title PLUMBING PIPING PLAN TUNNEL & BSMT LEVELS, PHASE 2 Approved: Project Director</p>
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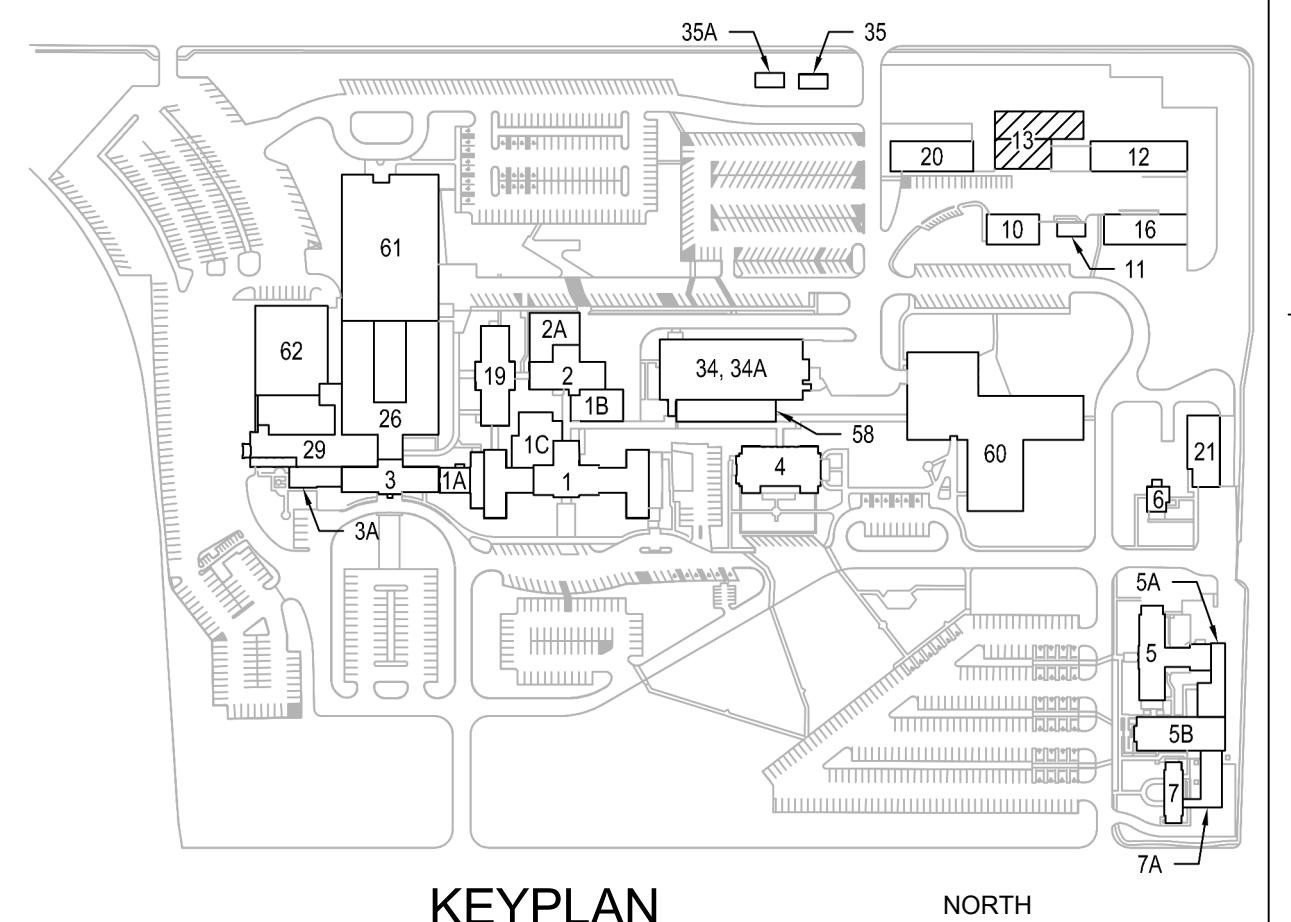
<p>Phase 100% BID SET</p>	<p>Project Title INSTALL NEW BOILERS IN BUILDING 13</p>
<p>FULLY SPRINKLERED</p>	<p>Location ROBERT J. DOLE VA MEDICAL CENTER WICHITA, KANSAS</p>

<p>Project Number 589A7-18-302</p>	<p>Building Number 13</p>
<p>Drawing Number 13-PP101.02</p>	<p>Issue Date 2021-09-03</p>
<p>Checked PD</p>	<p>Drawn AHTM</p>



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 - REFER TO DRAWING P-701 FOR PLUMBING SCHEDULES.

- SHEET KEYNOTES:**
- FLOOR ACCESS DOOR TO NEW PUMP ROOM BELOW. COORDINATE PIPING BELOW TO PROVIDE CLEAR PATH FOR RIGGING OF EQUIPMENT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL DETAILS.



1 PLUMBING PLAN - SHOP & MAIN LEVELS, PHASE 2
SCALE: 1/4" = 1'-0"

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NO.	DESCRIPTION	DATE

CONSULTANTS

HAZARDOUS MATERIALS MABBETT & ASSOCIATES, INC. 105 CENTRAL STREET, STONEHAM, MA 02180 PHONE: (781)275-9595	FIRE SUPPRESSION KOFFEL ASSOCIATES 8815 CENTRE PARK DRIVE, SUITE 200, COLUMBIA, MD 21045 PHONE: (410)753-2246
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ARCHITECTURAL OCULUS INC. 1 SOUTH MEMORIAL DRIVE, SUITE 1500, SAINT LOUIS, MO 63102 PHONE: (314)367-8100	PHYSICAL SECURITY FORCE PROTECT 3210 GULF BLVD, UNIT 304, BELLEAIR BEACH, FL 33786 PHONE: (802)836-4232

ENGINEER OF RECORD

Miller-Remick LLC M.E.P. & Structural Engineering A Service Disabled Veteran Owned Small Business 1010 KINGS HIGHWAY SOUTH CHERRY HILL, NEW JERSEY 08034 PHONE: (856)429-4000 FAX: (856)429-9022 MR PROJECT NO: 0499-0121	MILLER-REMIK LLC PROFESSIONAL ENGINEER WILSON J. D. PACARD LICENSED PROFESSIONAL ENGINEER 26413 KANSAS 9.3.2021
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Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Phase 100% BID SET
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Drawing Title PLUMBING PIPING PLAN SHOP & MAIN LEVELS, PHASE 2	Project Title INSTALL NEW BOILERS IN BUILDING 13
Approved: Project Director	Location ROBERT J. DOLE VA MEDICAL CENTER WICHITA, KANSAS
Project Number 589A7-18-302	Building Number 13
Drawing Number 13-PP111.02	Issue Date 2021-09-03
Checked PD	Drawn AHTM

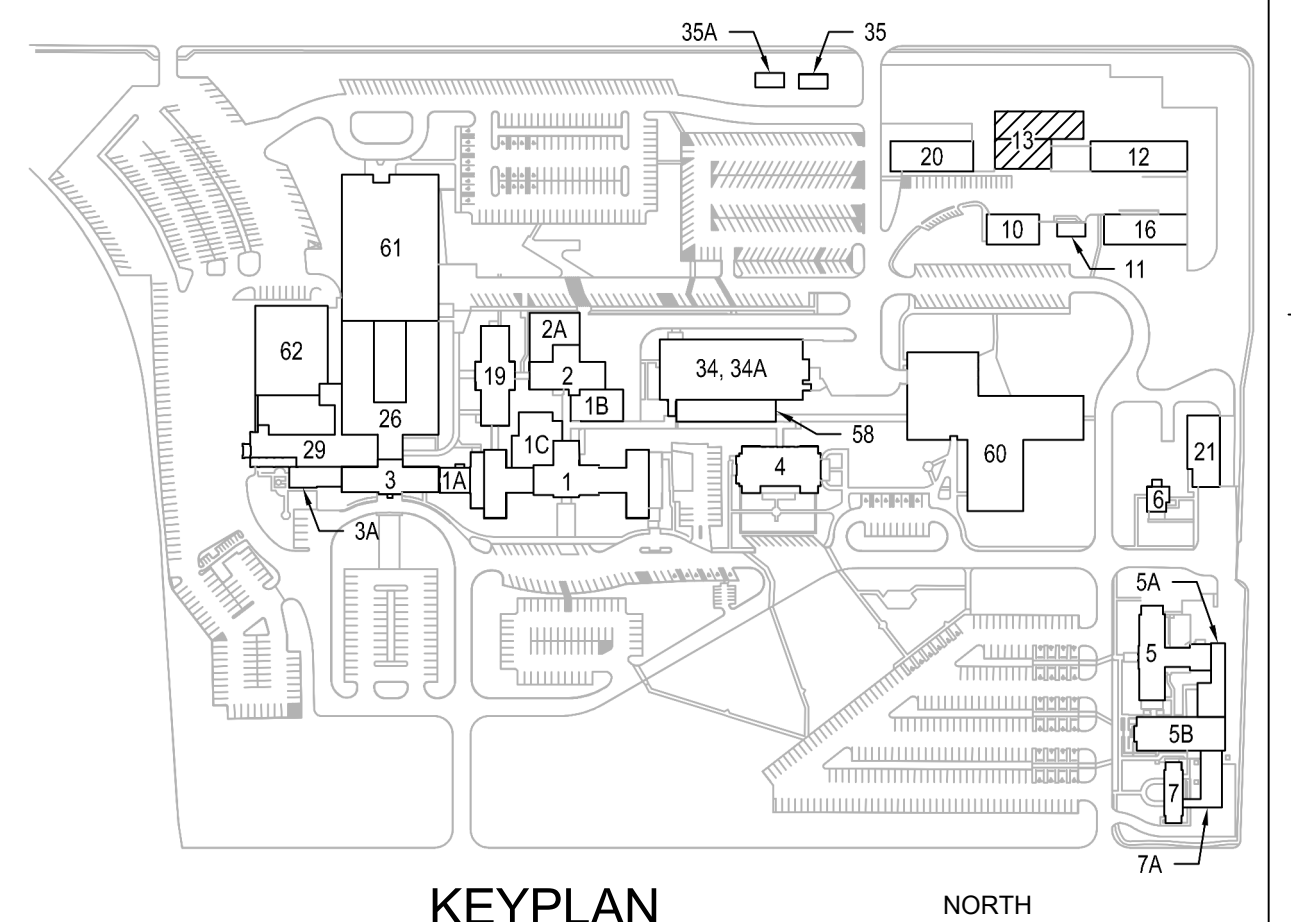
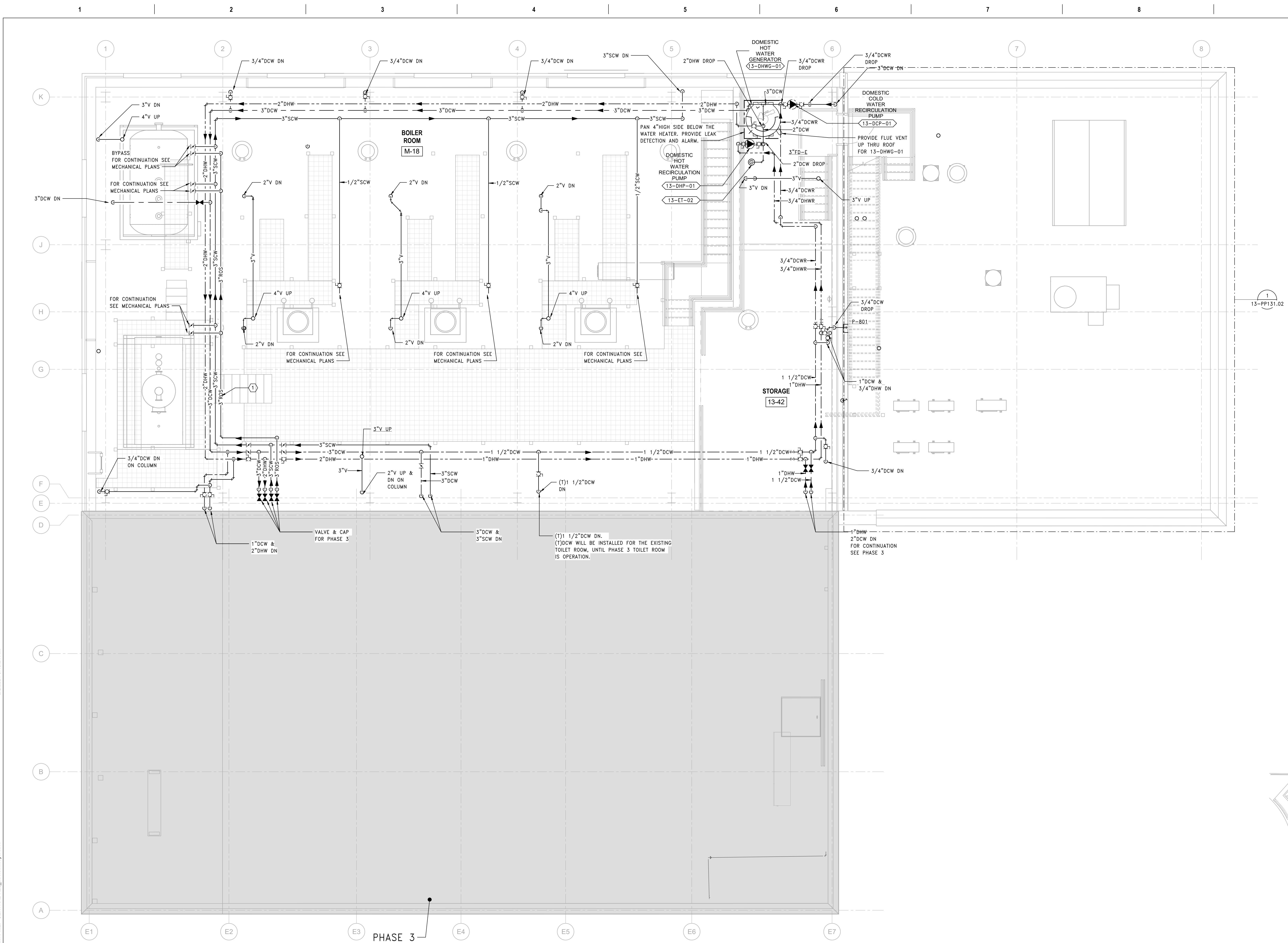
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3. REFER TO DRAWING P-600 SERIES FOR PLUMBING SYSTEMS RISER DIAGRAMS.
4. REFER TO DRAWING P-701 FOR PLUMBING SCHEDULES.

SHEET KEYNOTES:

1. ALL REVERSE OSMOSIS PIPING, VALVES, FITTINGS AND EQUIPMENT TO BE FABRICATED FROM 304 STAINLESS STEEL.



1 PLUMBING PLAN - EXISTING CATWALK & CATWALK LEVELS, PHASE 2
SCALE: 1/4" = 1'-0"

PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER

NO.	DESCRIPTION	DATE

CONSULTANTS

<p>HAZARDOUS MATERIALS MABBETT & ASSOCIATES, INC. 105 CENTRAL STREET, STONEHAM, MA 02180 PHONE: (781) 275-8559</p>	<p>FIRE SUPPRESSION KOFFEL ASSOCIATES 8815 CENTRE PARK DRIVE, SUITE 200, COLUMBIA, MD 21045 PHONE: (410) 759-2246</p>
<p>CIVIL / STRUCTURAL PROFESSIONAL ENGINEERING CONSULTANTS, P.A. 303 SOUTH TOPEKA, WICHITA, KS 67202 PHONE: (316) 262-2691</p>	<p>ELECTRONIC SECURITY MAGNA ENGINEERS 861 CORPORATE DRIVE, SUITE 210, LEXINGTON, KY 40503 PHONE: (859) 309-2990</p>
<p>ARCHITECTURAL OCULUS INC. 1 SOUTH MEMORIAL DRIVE, SUITE 1500, SAINT LOUIS, MO 63102 PHONE: (314) 367-8100</p>	<p>PHYSICAL SECURITY FORCE PROTECT 3210 GULF BLVD, UNIT 304, BELLAIR BEACH, FL 33786 PHONE: (502) 836-4232</p>

ENGINEER OF RECORD

<p>Miller-Remick LLC M.E.P. & Structural Engineering A Service Disabled Veteran Owned Small Business 1010 KINGS HIGHWAY SOUTH CHERRY HILL, NEW JERSEY 08034 PHONE: (856) 429-4000 FAX: (856) 429-5022 MR PROJECT NO: 0499-0121</p>	<p>MILLER-REMICK LLC PROFESSIONAL ENGINEER WILSON J. D. PACARD LICENSED PROFESSIONAL ENGINEER 26413 KANSAS 9.3.2021</p>
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Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title
PLUMBING PIPING PLAN EX CATWALK & CATWALK LVLS, PH 2

Approved: Project Director

Phase
100% BID SET

FULLY SPRINKLERED

Project Title
INSTALL NEW BOILERS IN BUILDING 13

Location
ROBERT J. DOLE VA MEDICAL CENTER WICHITA, KANSAS

Issue Date
2021-09-03

Checked
PD

Drawn
AHTM

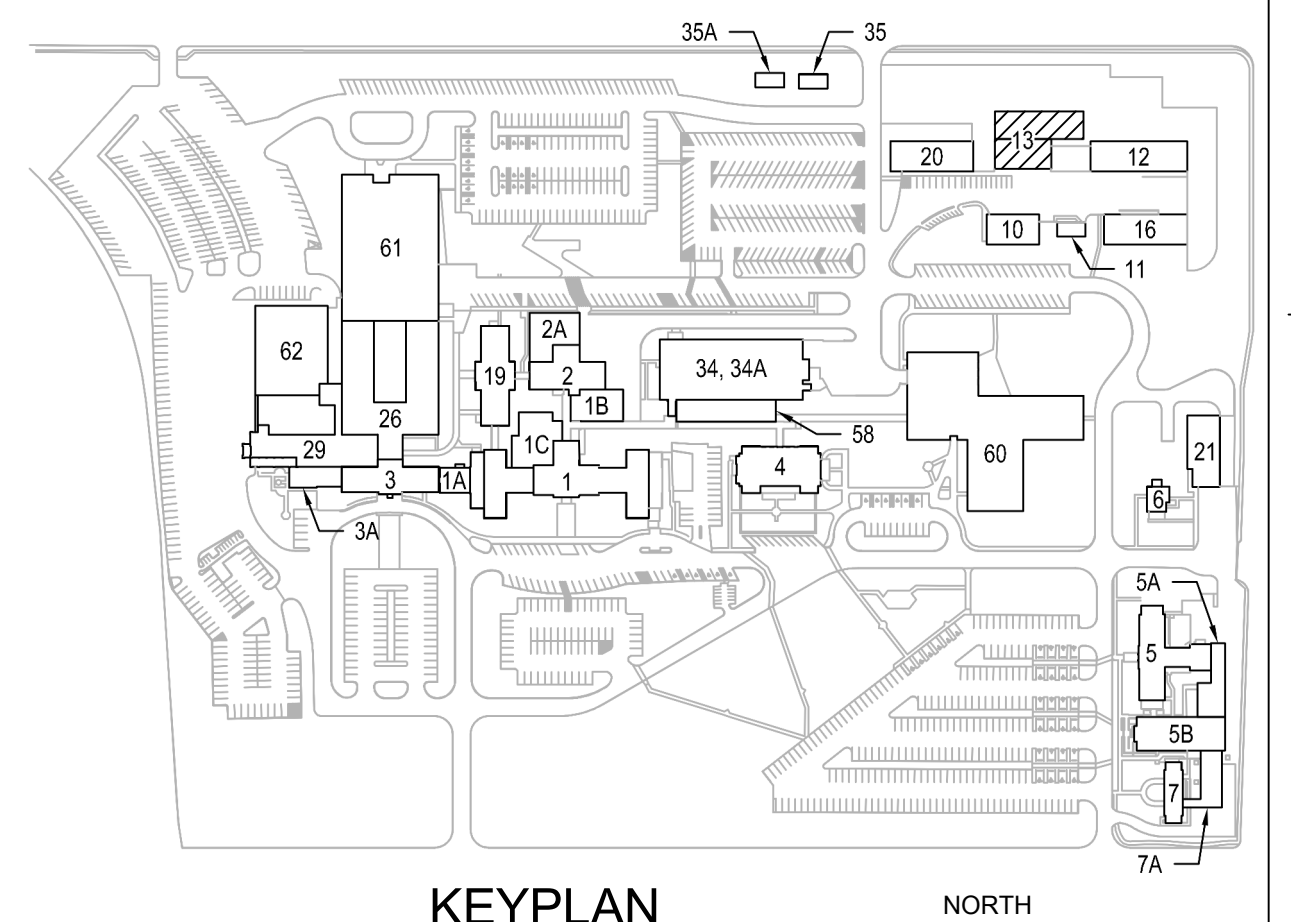
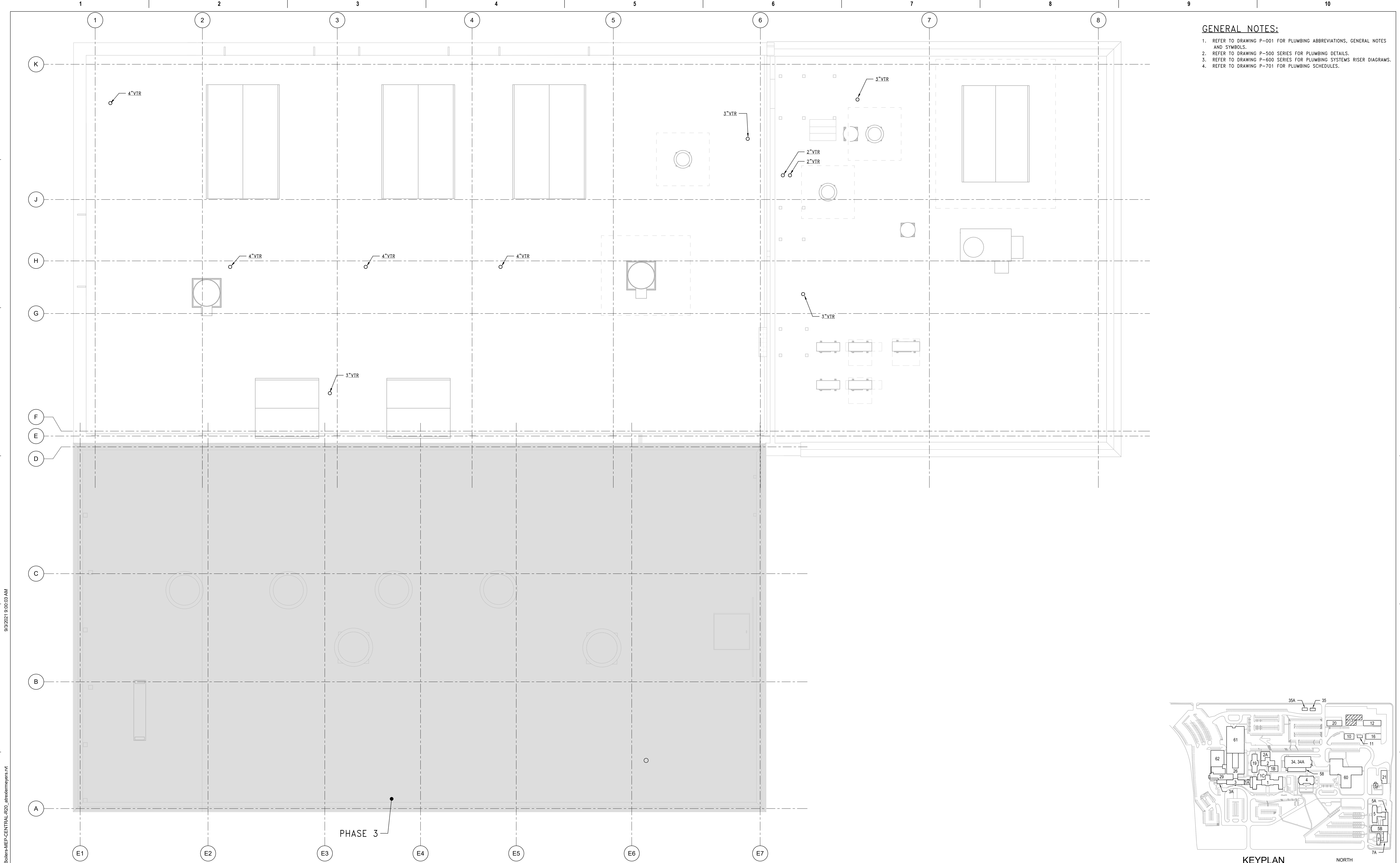
Project Number
589A7-18-302

Building Number
13

Drawing Number
13-PP121.02

GENERAL NOTES:

1. REFER TO DRAWING P-001 FOR PLUMBING ABBREVIATIONS, GENERAL NOTES AND SYMBOLS.
2. REFER TO DRAWING P-500 SERIES FOR PLUMBING DETAILS.
3. REFER TO DRAWING P-600 SERIES FOR PLUMBING SYSTEMS RISER DIAGRAMS.
4. REFER TO DRAWING P-701 FOR PLUMBING SCHEDULES.



1 PLUMBING PLAN - ROOF, PHASE 2
SCALE: 1/4" = 1'-0"

PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER

NO.	DESCRIPTION	DATE

CONSULTANTS

<p>HAZARDOUS MATERIALS MABBETT & ASSOCIATES, INC. 105 CENTRAL STREET, STONEHAM, MA 02180 PHONE: (781) 275-8550</p> <p>CIVIL / STRUCTURAL PROFESSIONAL ENGINEERING CONSULTANTS, P.A. 303 SOUTH TOPEKA, WICHITA, KS 67202 PHONE: (316) 262-2691</p> <p>ARCHITECTURAL OCULUS INC. 1 SOUTH MEMORIAL DRIVE, SUITE 1500, SAINT LOUIS, MO 63102 PHONE: (314) 367-8100</p>	<p>FIRE SUPPRESSION KOFFEL ASSOCIATES 8815 CENTRE PARK DRIVE, SUITE 200, COLUMBIA, MD 21045 PHONE: (410) 753-2246</p> <p>ELECTRONIC SECURITY MAGNA ENGINEERS 861 CORPORATE DRIVE, SUITE 210, LEXINGTON, KY 40503 PHONE: (859) 309-2990</p> <p>PHYSICAL SECURITY FORCE PROTECT 3210 GULF BLVD, UNIT 304, BELLEAIR BEACH, FL 33786 PHONE: (502) 836-4232</p>
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ENGINEER OF RECORD

Miller-Remick LLC
M.E.P. & Structural Engineering
A Service Disabled Veteran Owned Small Business

1010 KINGS HIGHWAY SOUTH
CHERRY HILL, NEW JERSEY 08034
PHONE: (856) 429-4000
FAX: (856) 429-9002
MR PROJECT NO: 0499-0121

MILLER-REMIK LLC
PROFESSIONAL ENGINEER

W. W. HONNY D. PACARD
LICENSED PROFESSIONAL ENGINEER
26413
KANSAS
9.3.2021

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
PLUMBING PIPING PLAN ROOF, PHASE 2

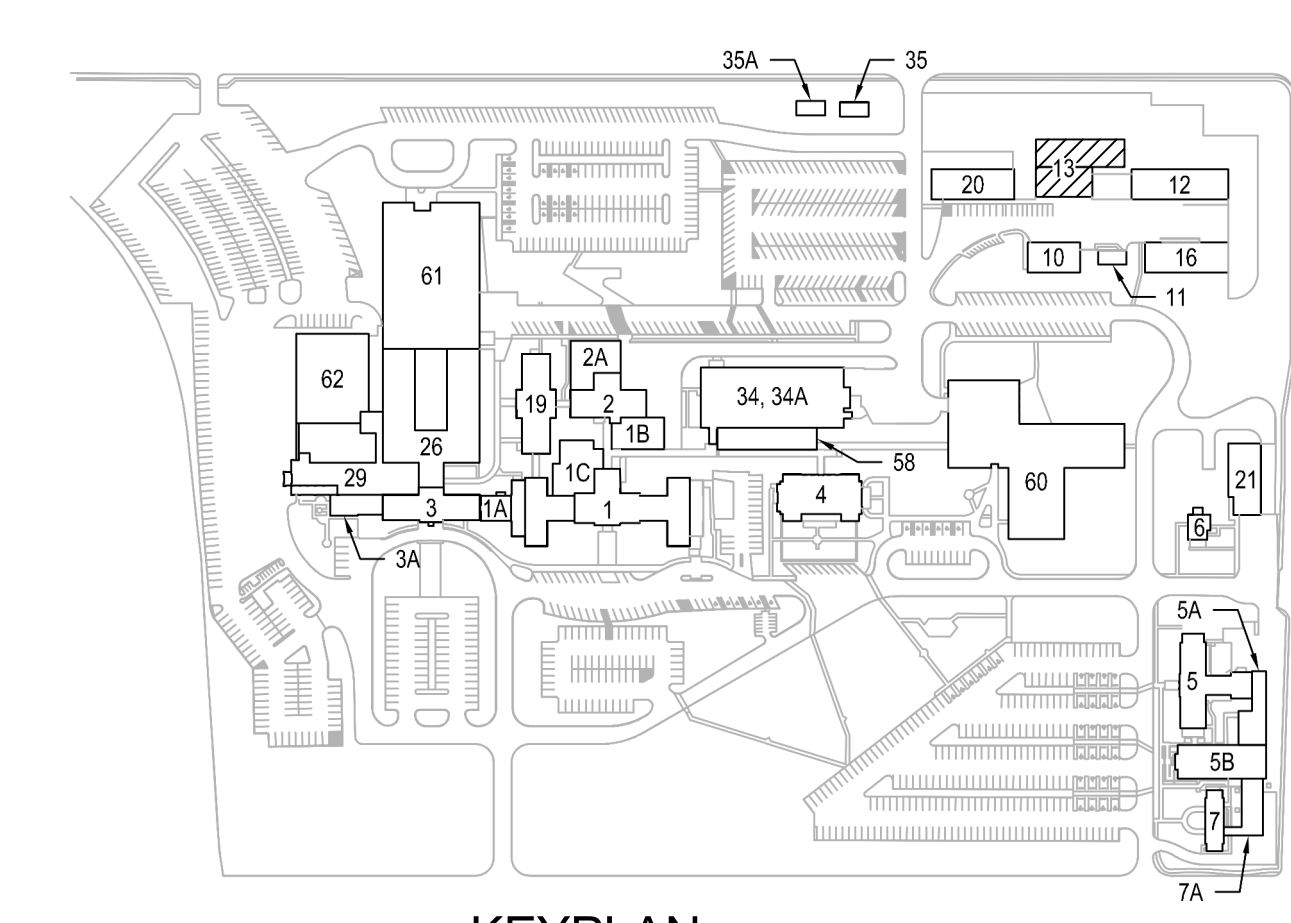
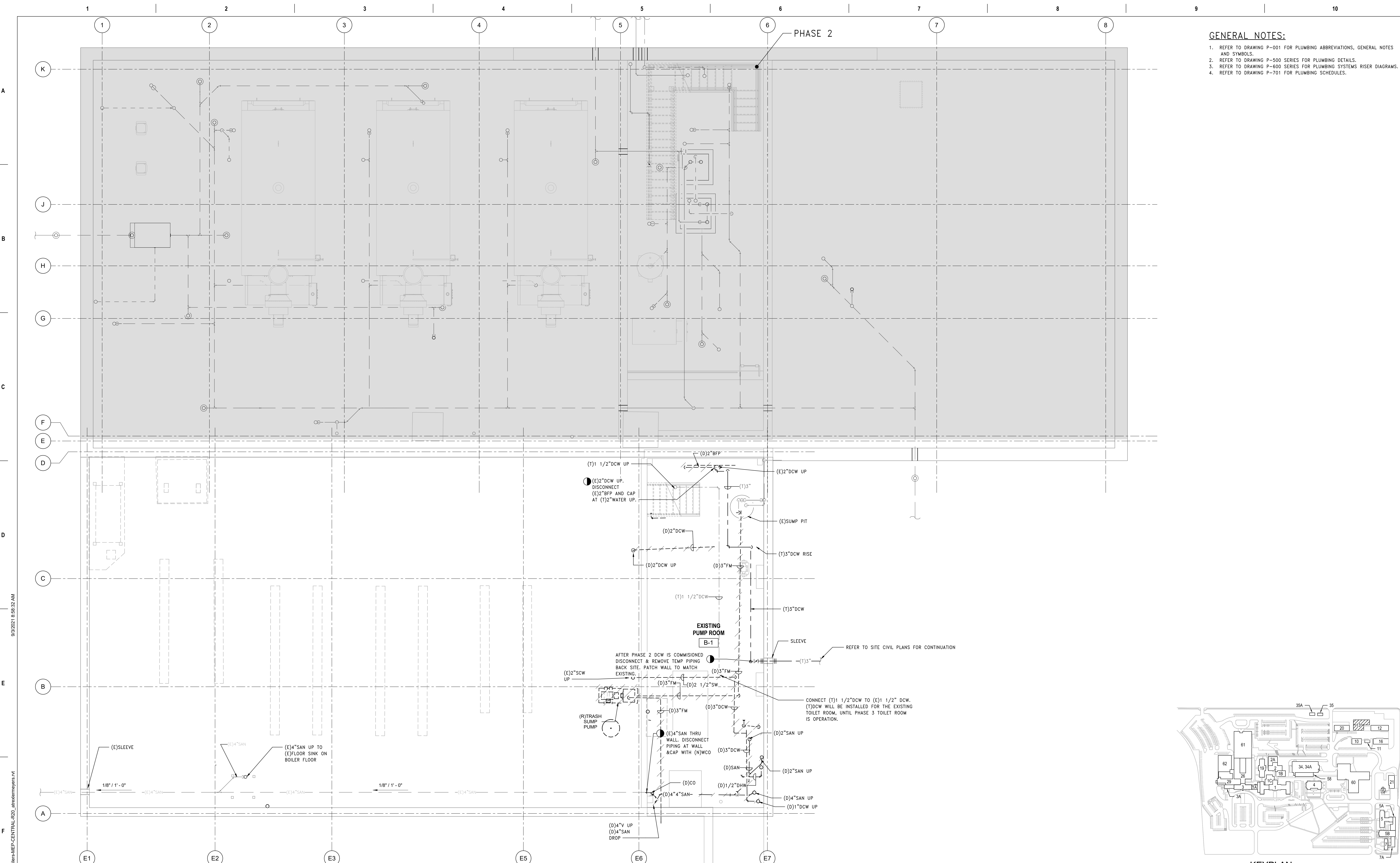
Approved: Project Director

Phase
100% BID SET

FULLY SPRINKLERED

Project Title INSTALL NEW BOILERS IN BUILDING 13	Project Number 589A7-18-302
Location ROBERT J. DOLE VA MEDICAL CENTER WICHITA, KANSAS	Building Number 13
Issue Date 2021-09-03	Checked PD
Drawn AHTM	Drawing Number 13-PP131.02

- GENERAL NOTES:**
1. REFER TO DRAWING P-001 FOR PLUMBING ABBREVIATIONS, GENERAL NOTES AND SYMBOLS.
 2. REFER TO DRAWING P-500 SERIES FOR PLUMBING DETAILS.
 3. REFER TO DRAWING P-600 SERIES FOR PLUMBING SYSTEMS RISER DIAGRAMS.
 4. REFER TO DRAWING P-701 FOR PLUMBING SCHEDULES.



1 PLUMBING DEMOLITION PLAN - TUNNEL & BASEMENT LEVELS, PHASE 3
SCALE: 1/4" = 1'-0"

PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER

NO.	DESCRIPTION	DATE

CONSULTANTS		
HAZARDOUS MATERIALS MABBETT & ASSOCIATES, INC. 105 CENTRAL STREET, STONEHAM, MA 02180 PHONE: (781)275-8550 CIVIL / STRUCTURAL PROFESSIONAL ENGINEERING CONSULTANTS, P.A. 303 SOUTH TOPEKA, WICHITA, KS 67202 PHONE: (316)262-2691 ARCHITECTURAL OCULUS INC. 1 SOUTH MEMORIAL DRIVE, SUITE 1500, SAINT LOUIS, MO 63102 PHONE: (314)367-6100	FIRE SUPPRESSION KOFFEL ASSOCIATES 8815 CENTRE PARK DRIVE, SUITE 200, COLUMBIA, MD 21045 PHONE: (410)753-2246 ELECTRONIC SECURITY MAGNA ENGINEERS 861 CORPORATE DRIVE, SUITE 210, LEXINGTON, KY 40503 PHONE: (859)309-2990 PHYSICAL SECURITY FORCE PROTECT 3210 GULF BLVD, UNIT 304, BELLSAIR BEACH, FL 33786 PHONE: (502)836-4232	

ENGINEER OF RECORD

Miller-Remick LLC
 M.E.P. & Structural Engineering
 A Service Disabled Veteran Owned Small Business

1010 KINGS HIGHWAY SOUTH
 CHERRY HILL, NEW JERSEY 08034
 PHONE: (856)429-4000
 FAX: (856)429-9025
 MR PROJECT NO: 0499-0121

MILLER-REMIK LLC
 PROFESSIONAL ENGINEER

W. HONORIO D. PARRA
 LICENSED PROFESSIONAL ENGINEER
 26413
 KANSAS
 9.3.2021

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
PLUMBING DEMOLITION PLAN TUNNEL & BSMT LEVELS, PHASE 3

Approved: Project Director

Phase
100% BID SET

FULLY SPRINKLERED

Project Title
INSTALL NEW BOILERS IN BUILDING 13

Location
ROBERT J. DOLE VA MEDICAL CENTER WICHITA, KANSAS

Issue Date
2021-09-03

Checked
 Checker

Drawn
 Author

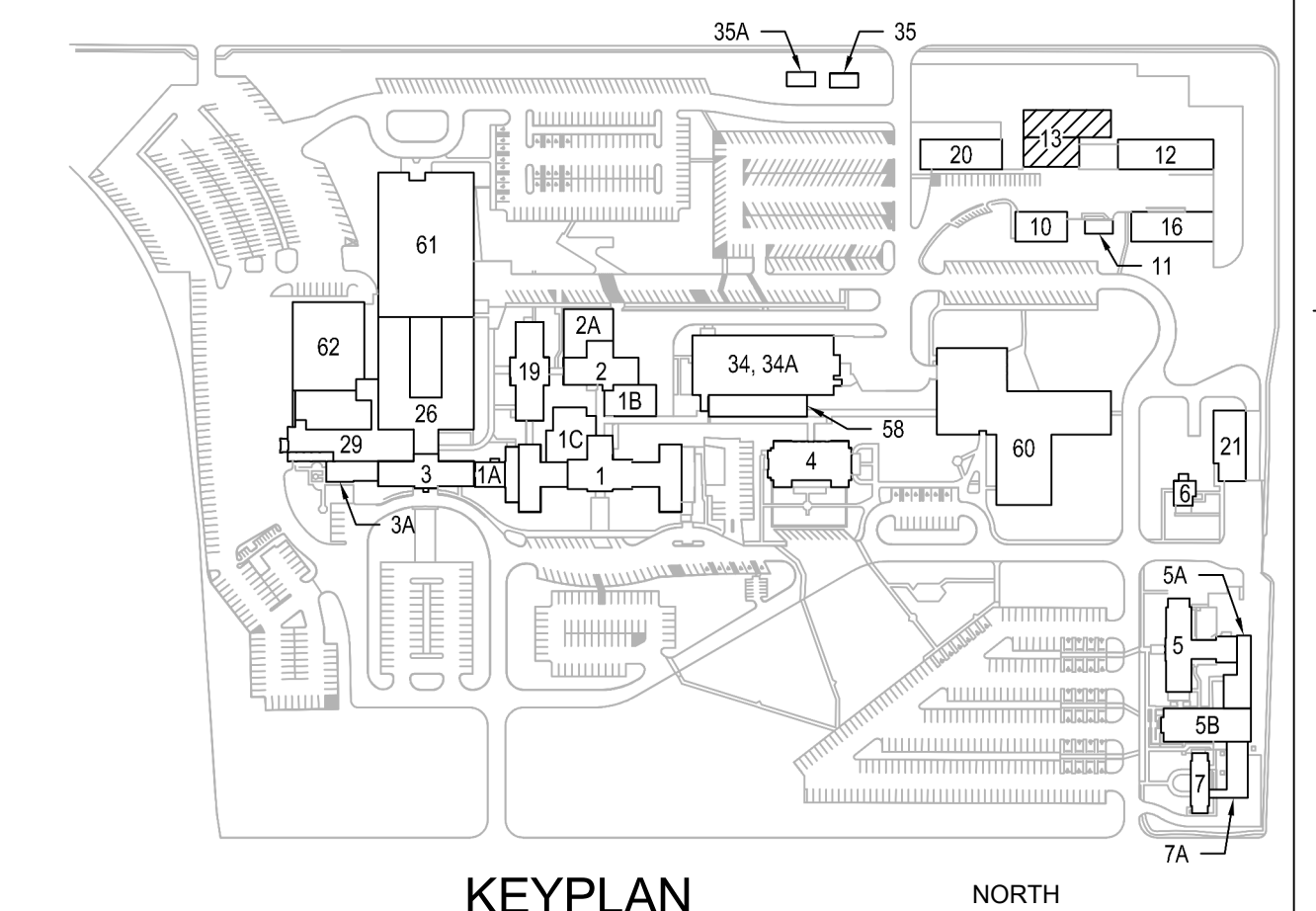
Project Number
589A7-18-302

Building Number
13

Drawing Number
13-PD101.03

GENERAL NOTES:

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4. REFER TO DRAWING P-701 FOR PLUMBING SCHEDULES.



1 PLUMBING DEMOLITION PLAN - SHOP & MAIN LEVELS, PHASE 3
SCALE: 1/4" = 1'-0"

PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER

NO.	DESCRIPTION	DATE

CONSULTANTS

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ENGINEER OF RECORD

<p>Miller-Remick LLC M.E.P. & Structural Engineering A Service Disabled Veteran Owned Small Business 1010 KINGS HIGHWAY SOUTH CHERRY HILL, NEW JERSEY 08034 PHONE: (856)439-4000 FAX: (856)439-9002 MR PROJECT NO: 0499-0121</p>	<p>MILLER-REMIK LLC PROFESSIONAL ENGINEER WISCONSIN D. PACARD LICENSED 26413 KANSAS PROFESSIONAL ENGINEER 9.3.2021</p>
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Office of Construction and Facilities Management

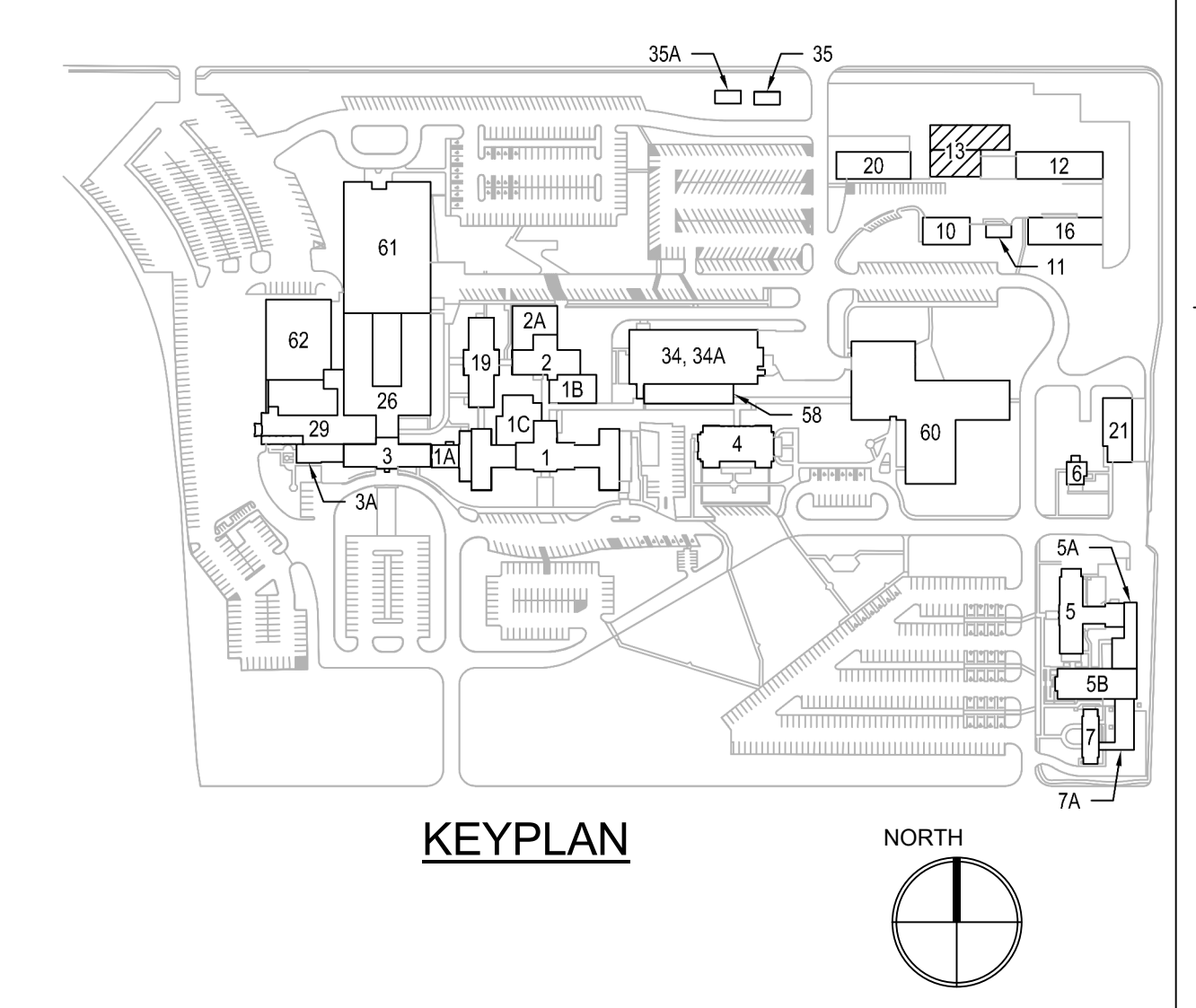
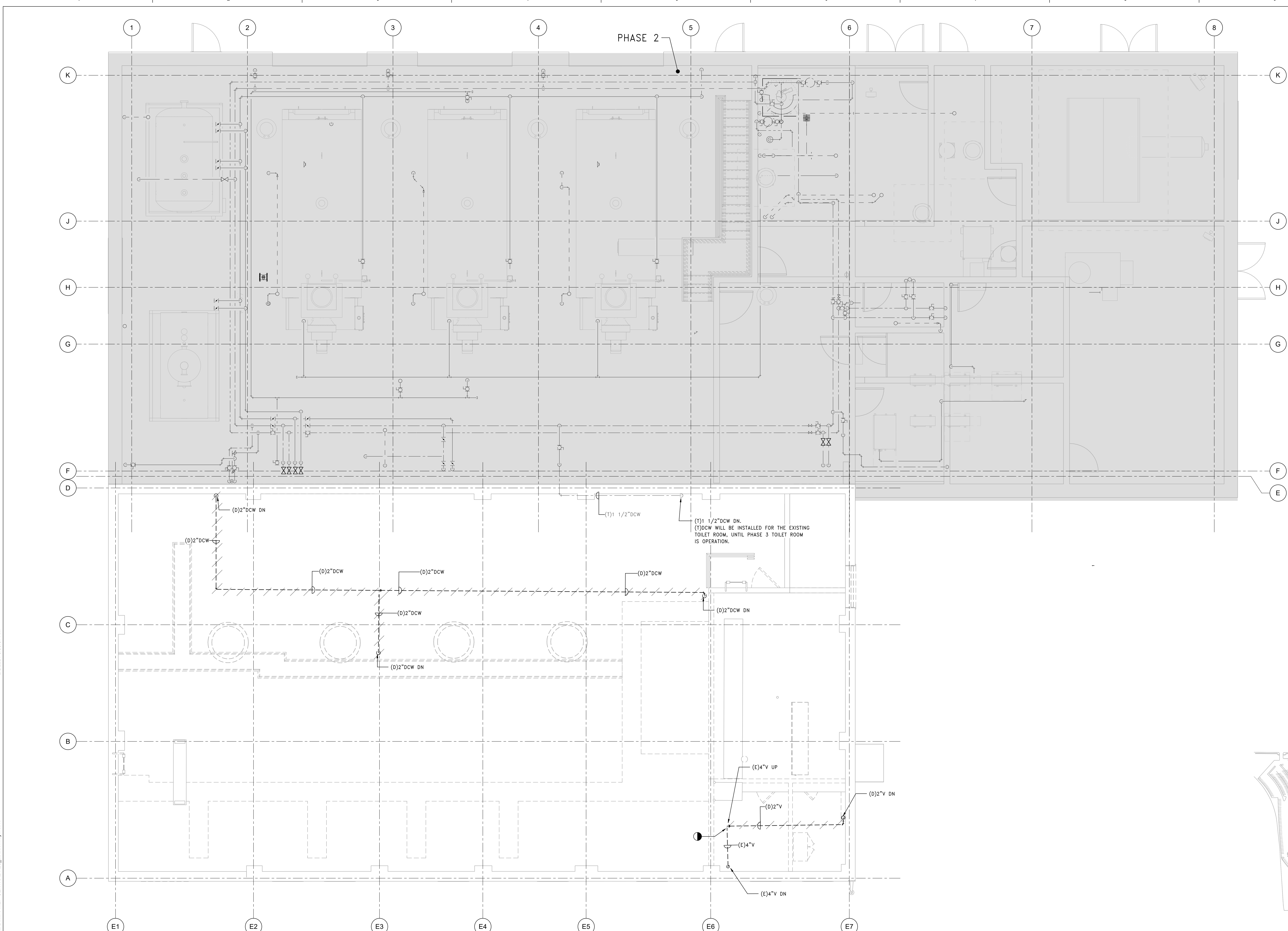
U.S. Department of Veterans Affairs

<p>Drawing Title PLUMBING DEMOLITION PLAN SHOP & MAIN LEVELS, PHASE 3</p> <p>Approved: Project Director</p>	<p>Phase 100% BID SET</p> <p>FULLY SPRINKLERED</p>
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<p>Project Title INSTALL NEW BOILERS IN BUILDING 13</p> <p>Location ROBERT J. DOLE VA MEDICAL CENTER WICHITA, KANSAS</p> <p>Issue Date 2021-09-03</p>	<p>Project Number 589A7-18-302</p> <p>Building Number 13</p> <p>Drawing Number 13-PD111.03</p>
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<p>Checked Checker</p>	<p>Drawn Author</p>
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1 PLUMBING DEMOLITION PLAN - EXISTING CATWALK LEVEL
SCALE: 1/4" = 1'-0"

PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER

NO.	DESCRIPTION	DATE

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ENGINEER OF RECORD

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Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

<p>Drawing Title PLUMBING DEMOLITION PLAN EXISTING CATWALK, PHASE 3</p> <p>Approved: Project Director</p>	<p>Phase 100% BID SET</p> <p>FULLY SPRINKLERED</p>
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<p>Project Title INSTALL NEW BOILERS IN BUILDING 13</p> <p>Location ROBERT J. DOLE VA MEDICAL CENTER WICHITA, KANSAS</p> <p>Issue Date 2021-09-03</p>	<p>Checked PD</p> <p>Drawn AHTM</p>	<p>Project Number 589A7-18-302</p> <p>Building Number 13</p> <p>Drawing Number 13-PD121.03</p>
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