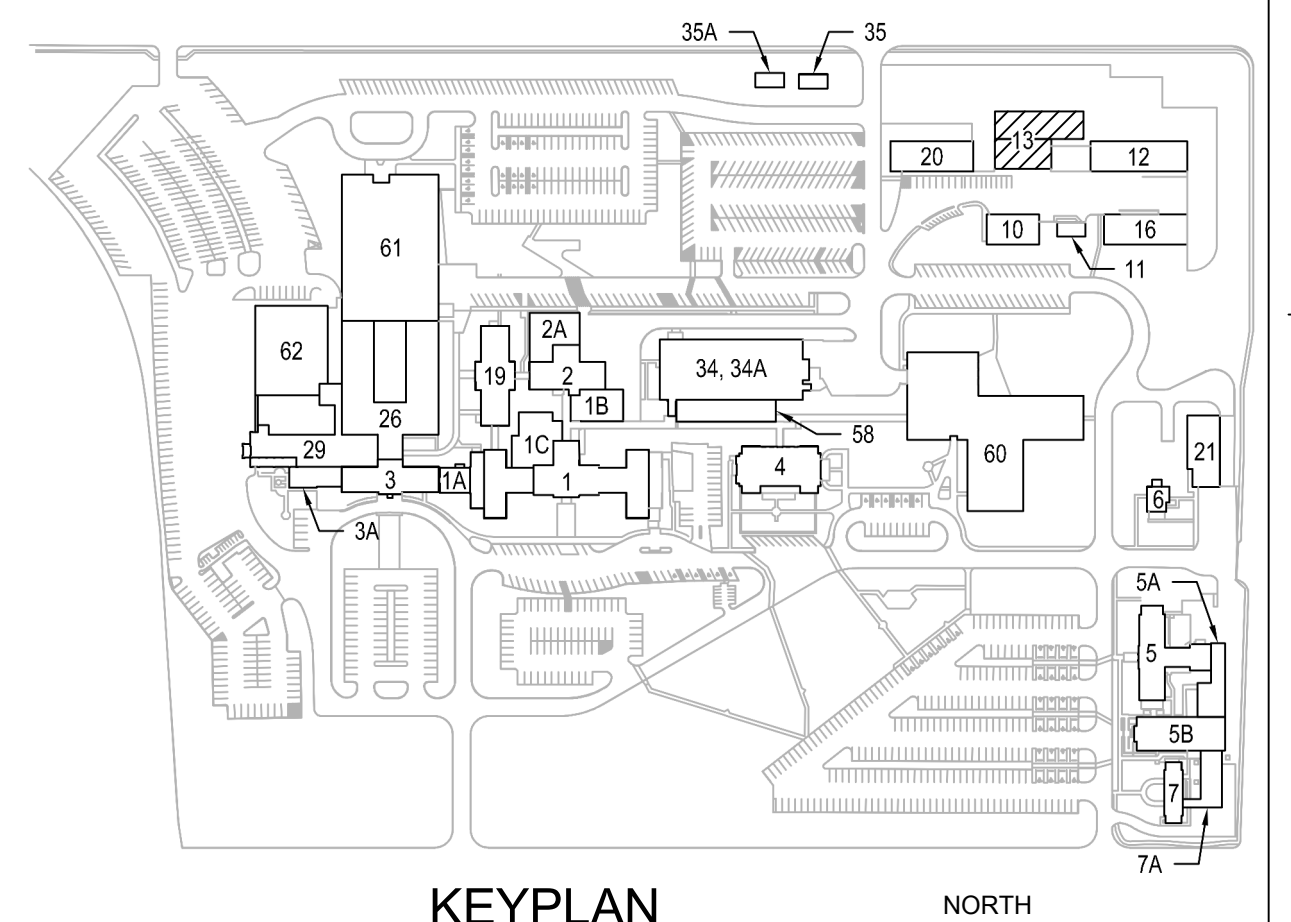
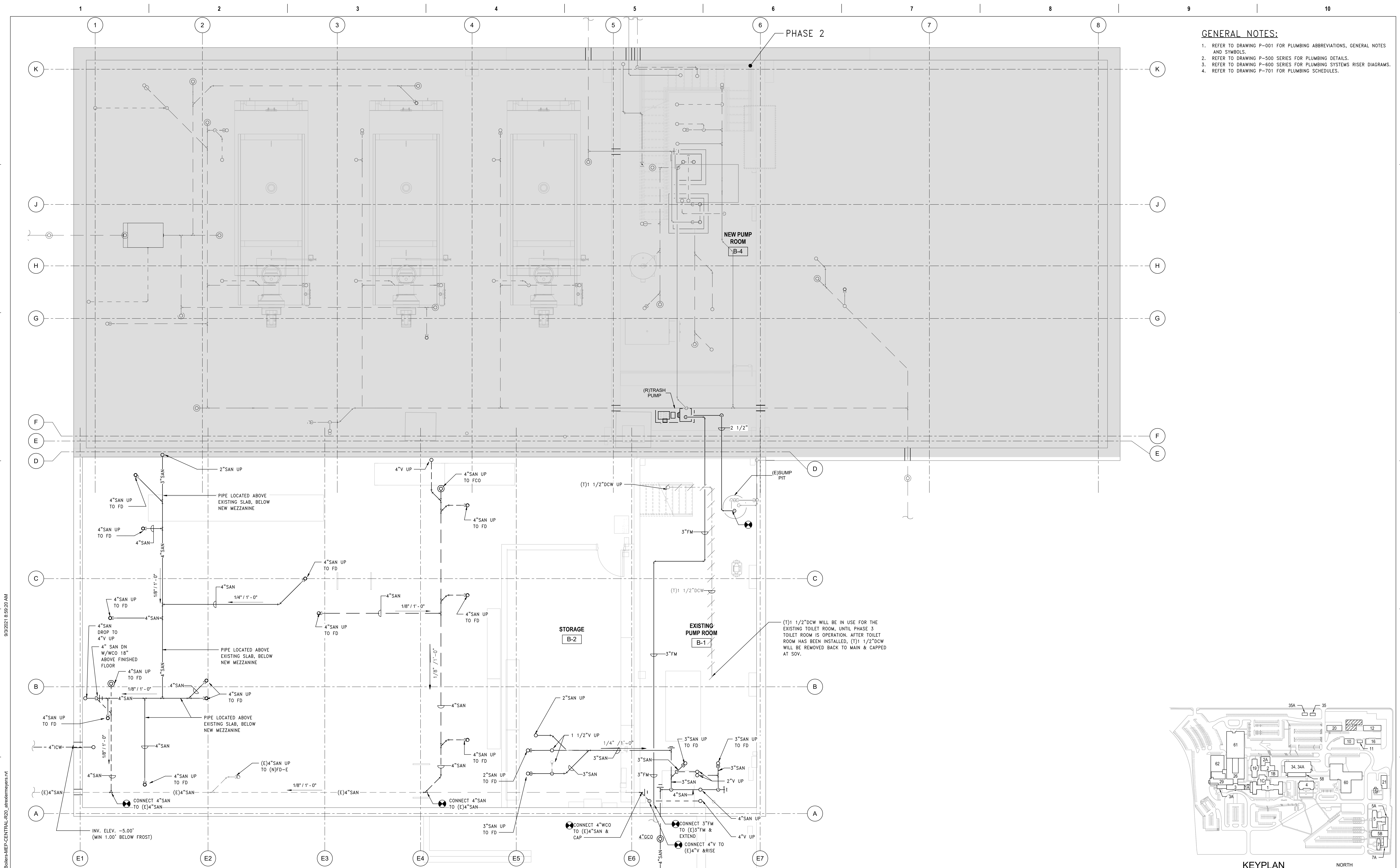


- GENERAL NOTES:**
1. REFER TO DRAWING P-001 FOR PLUMBING ABBREVIATIONS, GENERAL NOTES AND SYMBOLS.
 2. REFER TO DRAWING P-500 SERIES FOR PLUMBING DETAILS.
 3. REFER TO DRAWING P-600 SERIES FOR PLUMBING SYSTEMS RISER DIAGRAMS.
 4. REFER TO DRAWING P-701 FOR PLUMBING SCHEDULES.



1 PLUMBING PLAN - 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

<p>HAZARDOUS MATERIALS MABBETT & ASSOCIATES, INC. 105 CENTRAL STREET, STONEHAM, MA 02180 PHONE: (781) 275-8050</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) 759-2246</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, BELLSAIR 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) 429-5002 MR PROJECT NO: 0499-0121</p>	<p>MILLER-REMIK LLC PROFESSIONAL ENGINEER WILSONY D. PAKARD LICENSED 26413 KANSAS PROFESSIONAL ENGINEER 9.3.2021</p>
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Office of Construction and Facilities Management

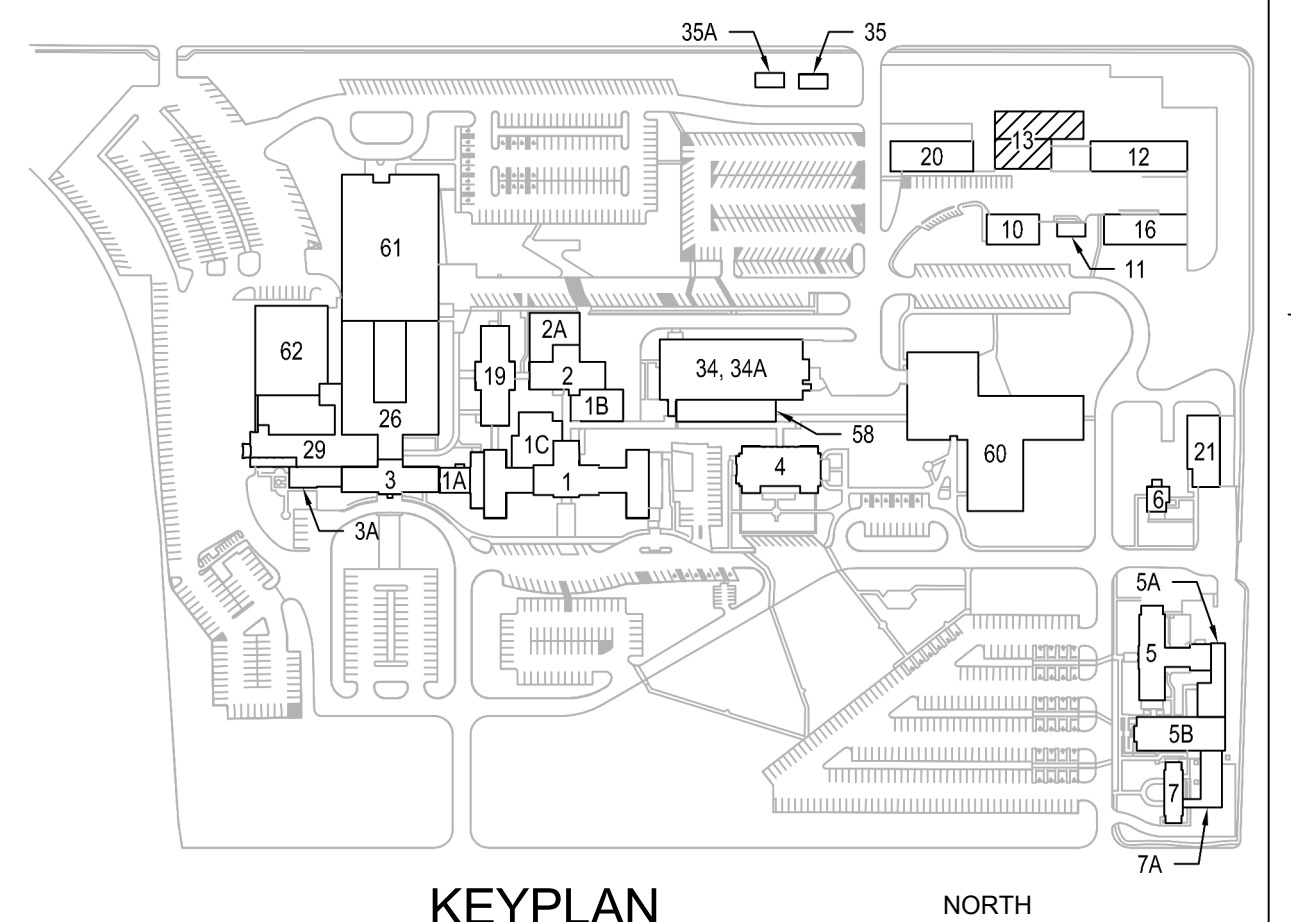
U.S. Department of Veterans Affairs

<p>Drawing Title PLUMBING PIPING PLAN TUNNEL & BSMT LEVELS, PHASE 3</p> <p>Approved: Project Director</p>	<p>Phase 100% BID SET</p> <p>FULLY SPRINKLERED</p>
--	--

<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-PP101.03</p>
--	---

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 - 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	
HAZARDOUS MATERIALS MABBETT & ASSOCIATES, INC. 105 CENTRAL STREET, STONEHAM, MA 02180 PHONE: (781)275-8050 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)367-8100	FIRE SUPPRESSION KOFFEL ASSOCIATES 8815 CENTRE PARK DRIVE, SUITE 200, COLUMBIA, MD 21045 PHONE: (410)759-2246 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, BELLAIR 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)439-4000
 FAX: (856)439-9022
 MR PROJECT NO: 0499-0121

MILLER-REMICK LLC
PROFESSIONAL ENGINEER

WISCONSIN D. PACARD
LICENSED
26413
KANSAS
PROFESSIONAL ENGINEER
9.3.2021

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

Drawing Title PLUMBING PIPING PLAN SHOP & MAIN LEVELS, PHASE 3
Approved: Project Director

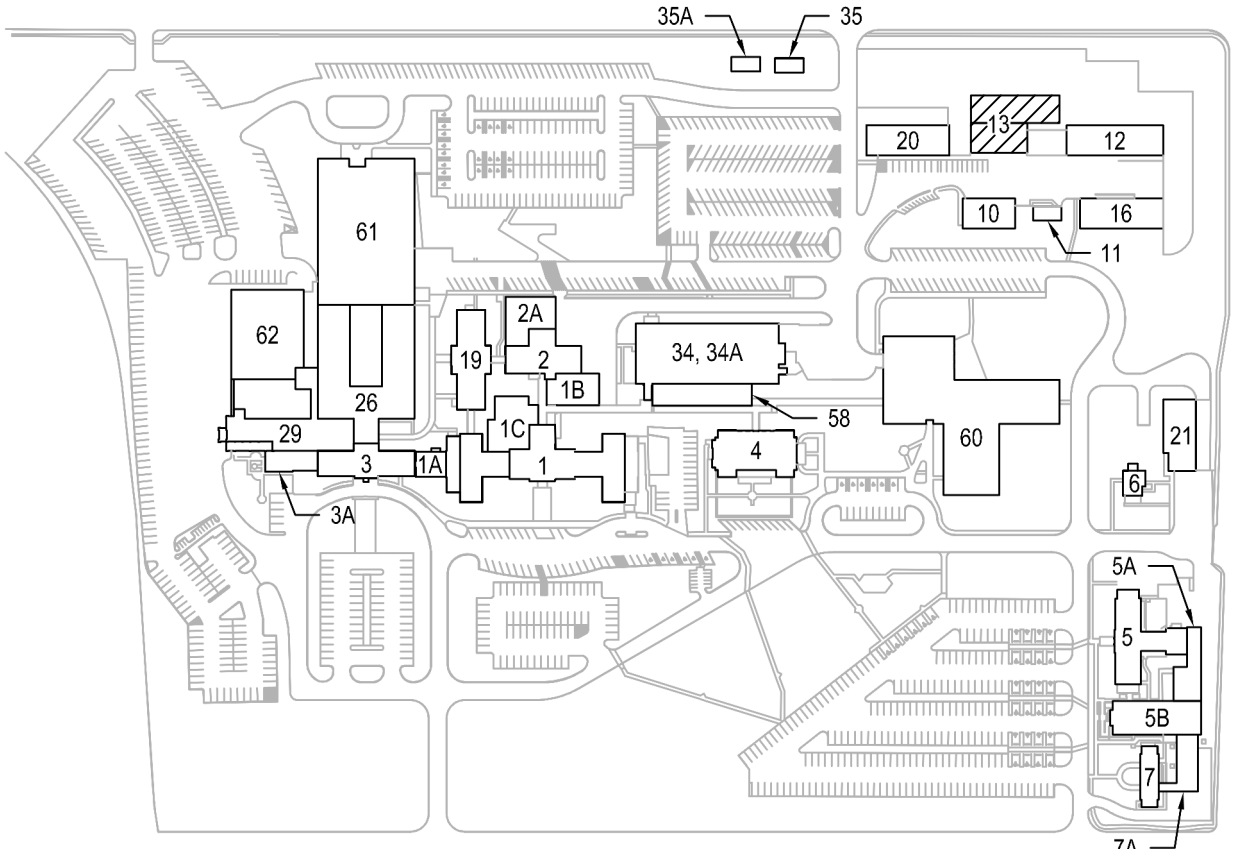
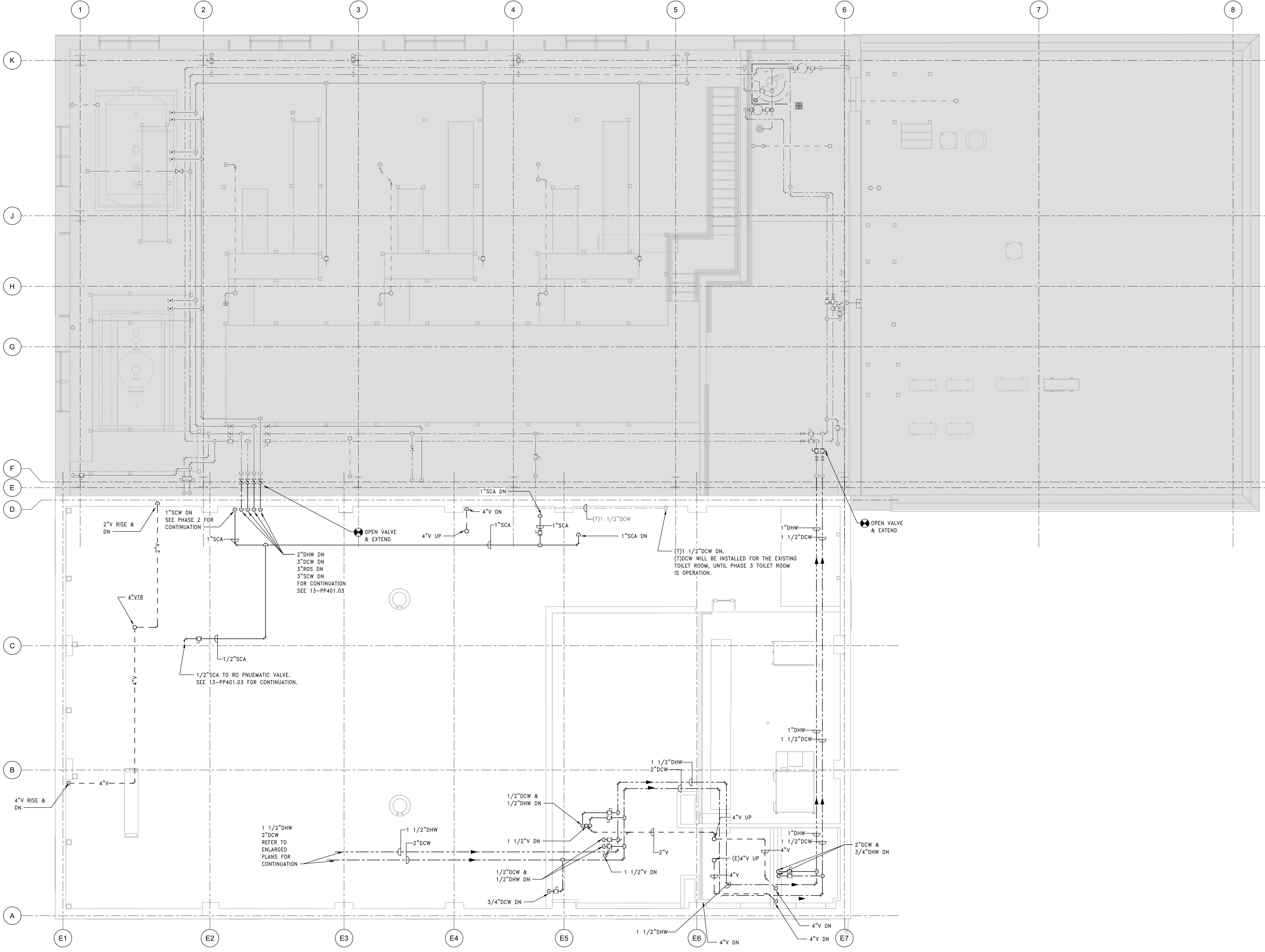
Phase 100% BID SET
FULLY SPRINKLERED

Project Title INSTALL NEW BOILERS IN BUILDING 13
Location ROBERT J. DOLE VA MEDICAL CENTER WICHITA, KANSAS
Issue Date 2021-09-03
Checked PD
Drawn AHTM

Project Number 589A7-18-302
Building Number 13
Drawing Number 13-PP111.03

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 - EXISTING CATWALK & CATWALK 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

<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)753-2246</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)309-2590</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

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

MILLER-REMIK LLC
PROFESSIONAL ENGINEER

WHYOHY D. PAKARD
LICENSED
26413
KANSAS
PROFESSIONAL ENGINEER
9.3.2021

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

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

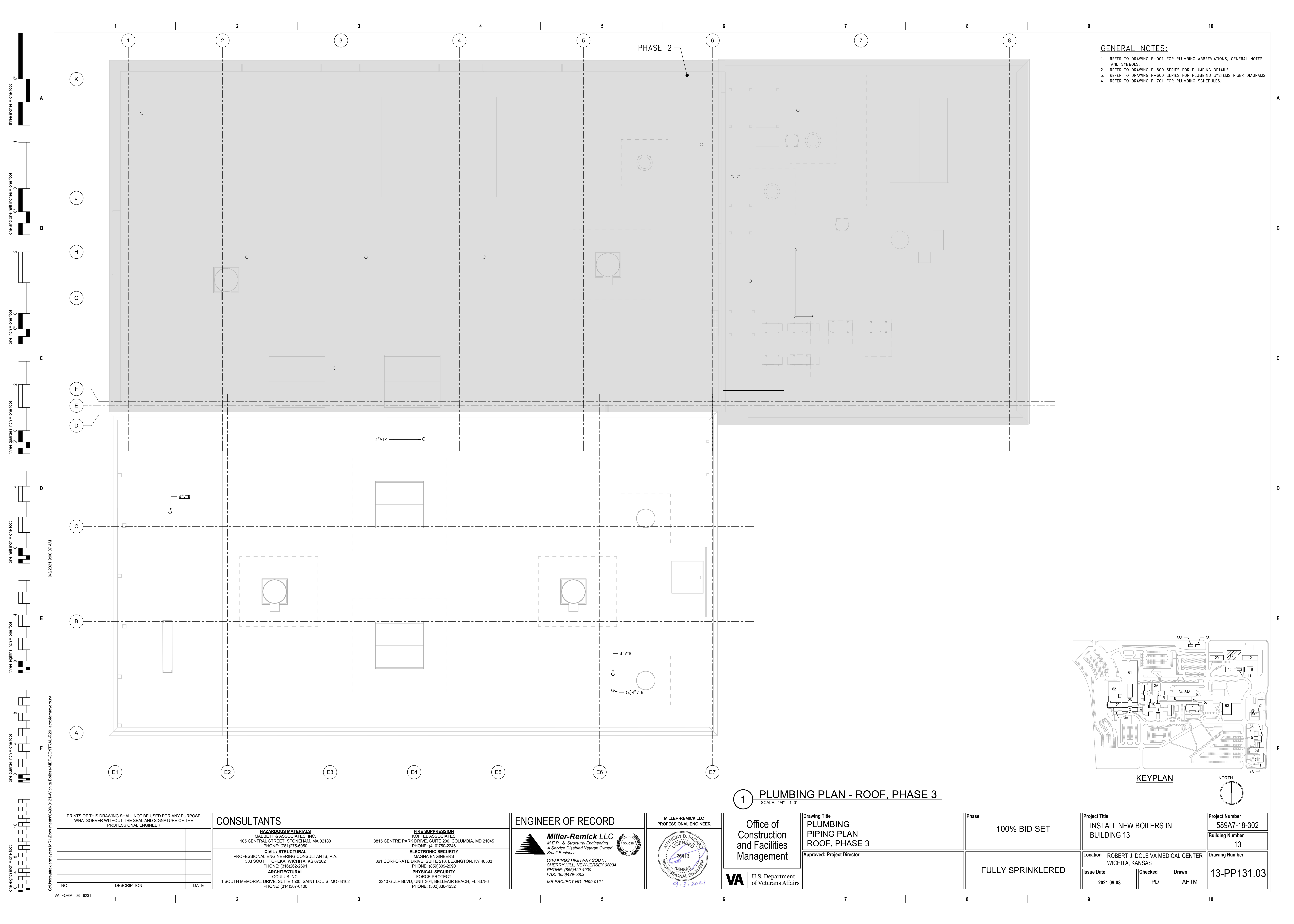
Checked
PD

Drawn
AHTM

Project Number
589A7-18-302

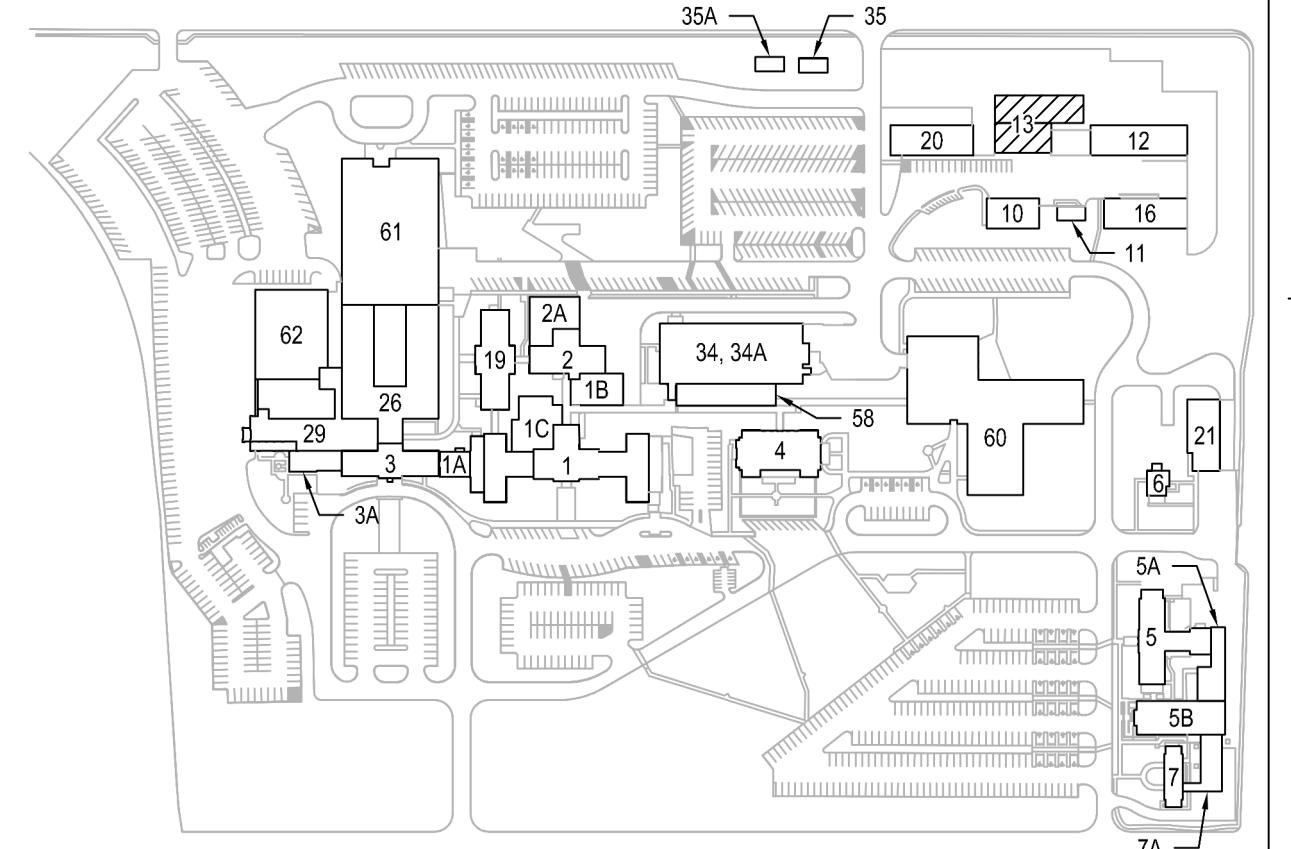
Building Number
13

Drawing Number
13-PP121.03



GENERAL NOTES:

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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 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

<p>HAZARDOUS MATERIALS MABBETT & ASSOCIATES, INC. 105 CENTRAL STREET, STONEHAM, MA 02180 PHONE: (781)275-8555</p>	<p>FIRE SUPPRESSION KOFFEL ASSOCIATES 8815 CENTRE PARK DRIVE, SUITE 200, COLUMBIA, MD 21045 PHONE: (410)753-2246</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, BELLEAIR 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-REMIK LLC PROFESSIONAL ENGINEER W. WILSON 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

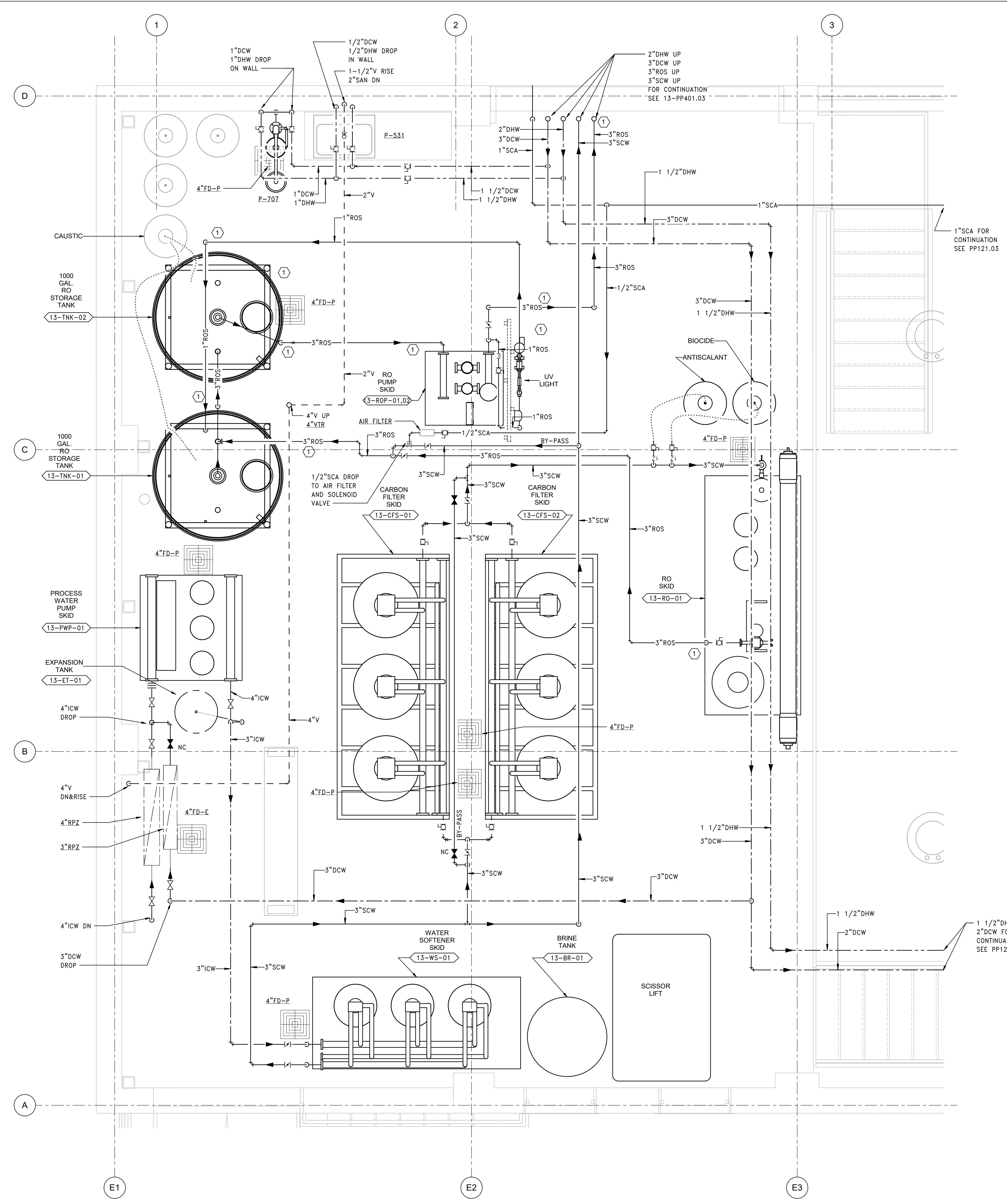
<p>Drawing Title PLUMBING PIPING PLAN ROOF, PHASE 3</p> <p>Approved: Project Director</p>	<p>Phase 100% BID SET</p> <p>FULLY SPRINKLERED</p>
--	--

<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-PP131.03</p>
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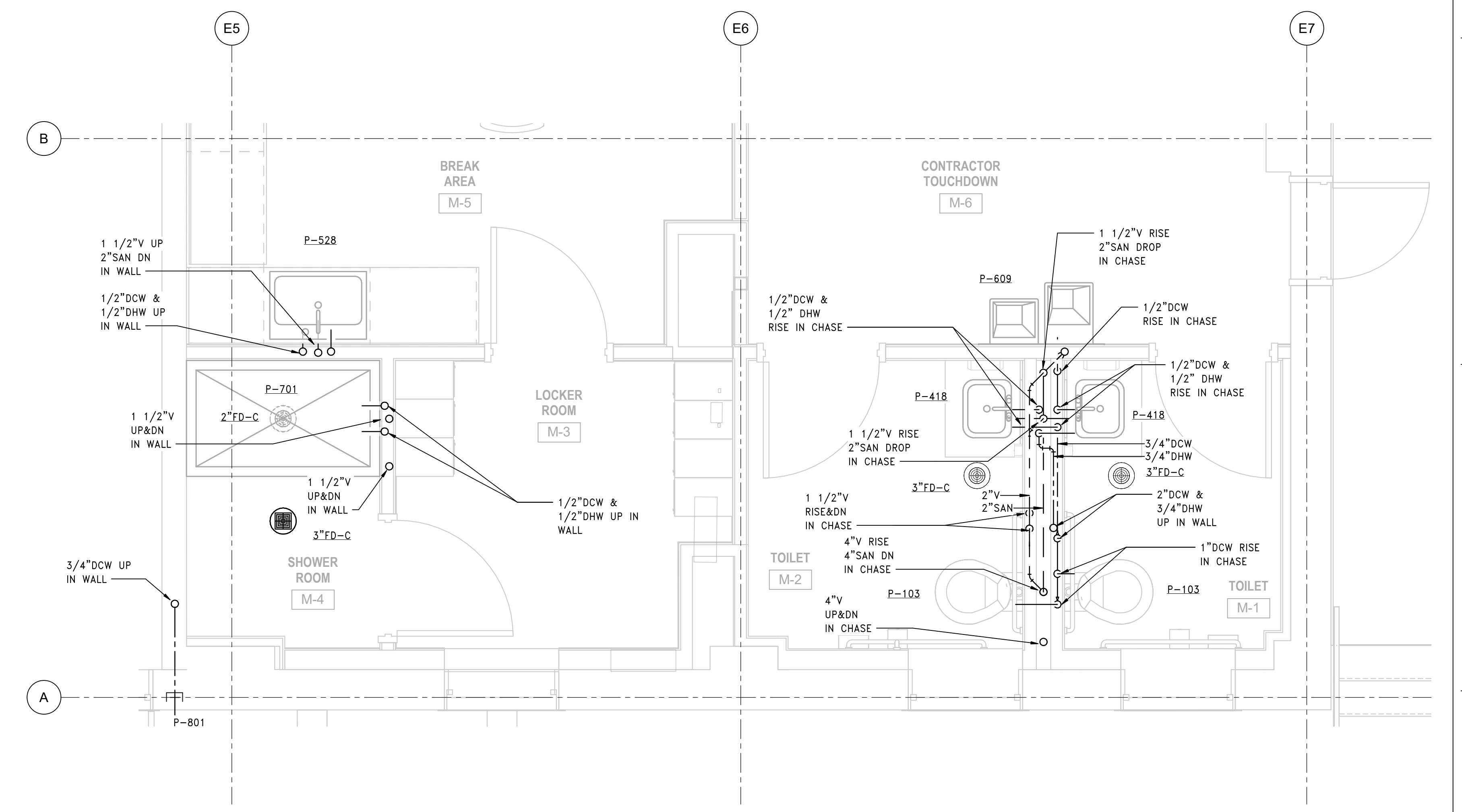
VA FORM 08 - 6231

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

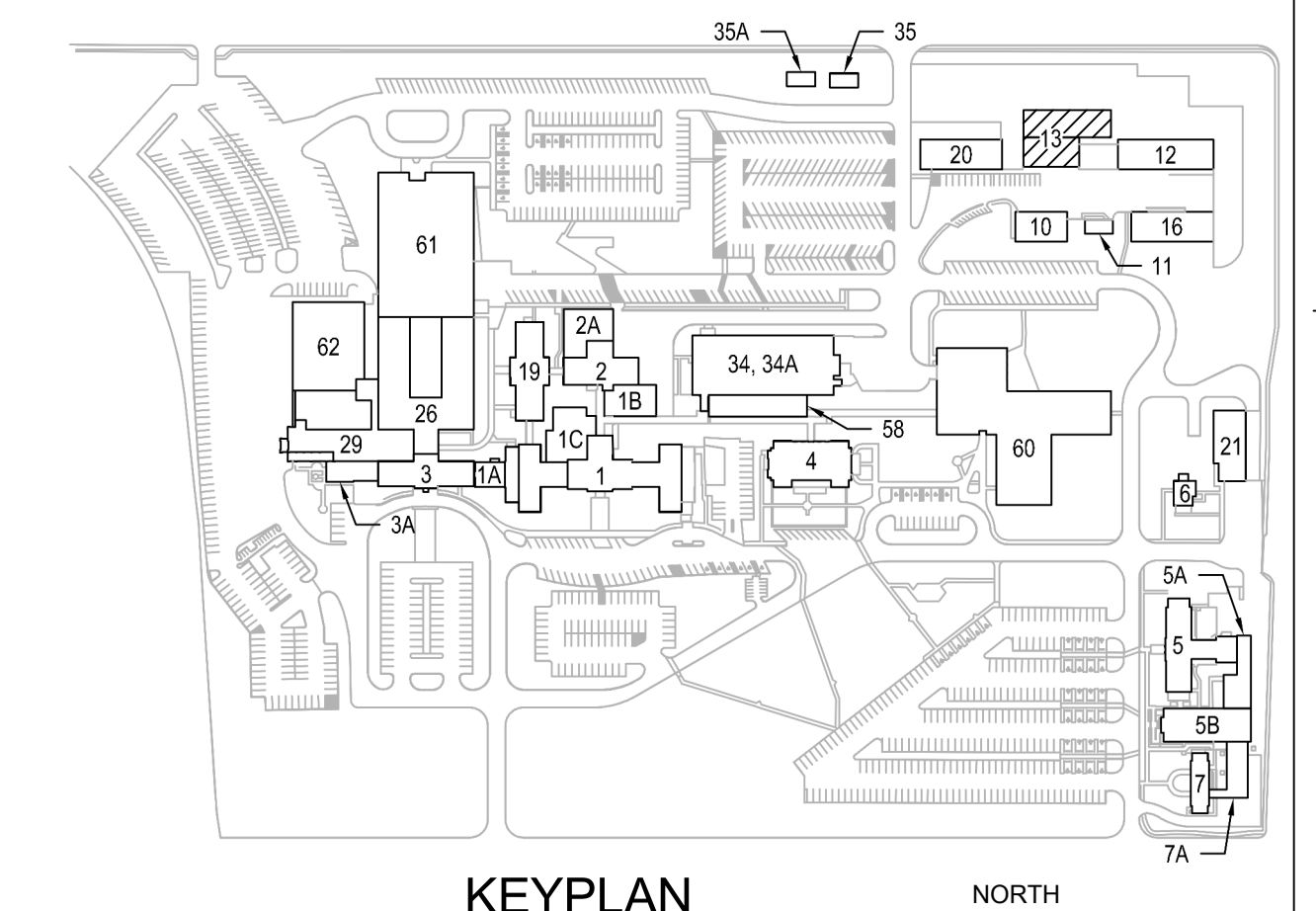
- SHEET KEYNOTES:**
- ALL REVERSE OSMOSIS PIPING, VALVES, FITTINGS AND EQUIPMENT TO BE FABRICATED FROM 304 STAINLESS STEEL.



1 ENLARGED VIEW - TREATMENT ROOM
SCALE: 1/2" = 1'-0"



2 ENLARGED VIEW - TOILET ROOMS & BREAK ROOM
SCALE: 1/2" = 1'-0"



KEYPLAN

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>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)759-2246</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>
--	--

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)439-4000
FAX: (856)429-9022
MR PROJECT NO: 0499-0121

MILLER-REMIK LLC
PROFESSIONAL ENGINEER

WILSON J. D. PACARD
LICENSED PROFESSIONAL ENGINEER
KANSAS
26413
9.3.2021

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
ENLARGED PIPING PLAN

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

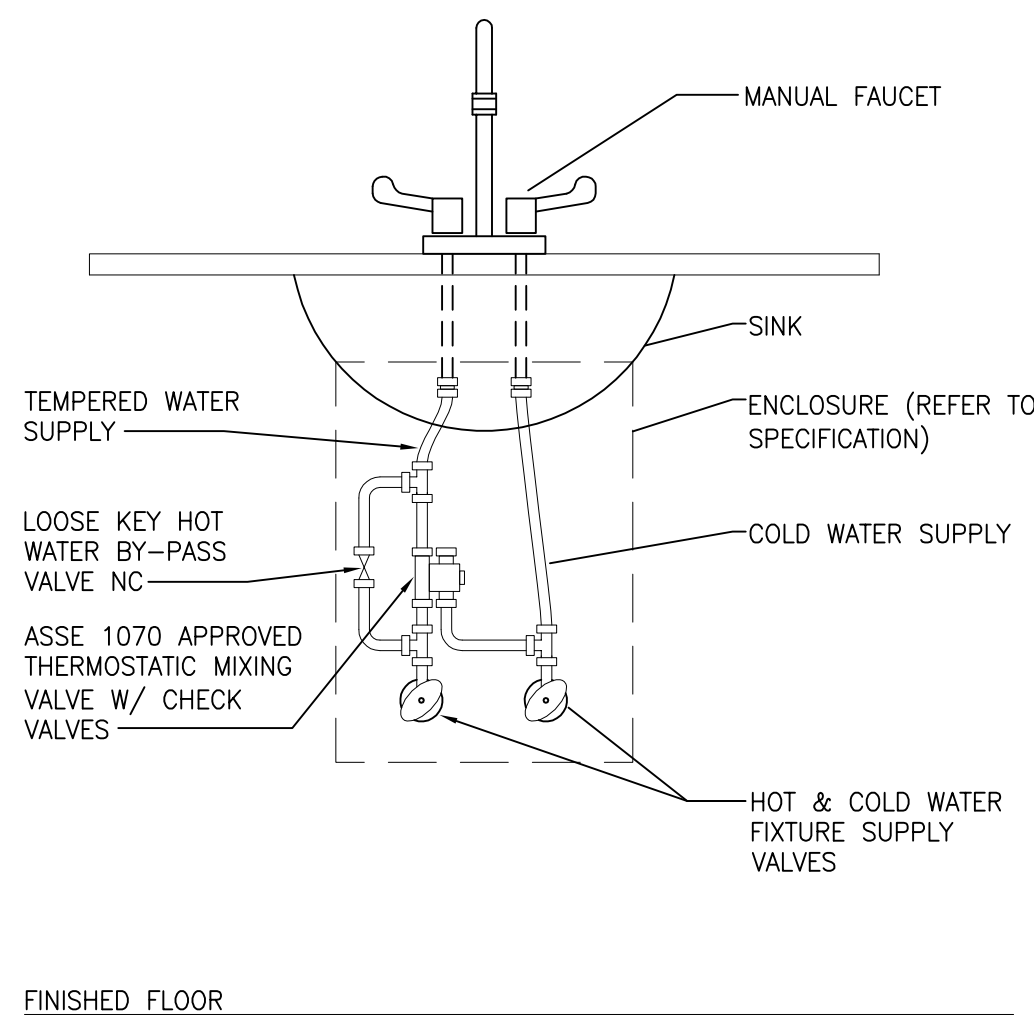
Checked
MH

Drawn
AHTM

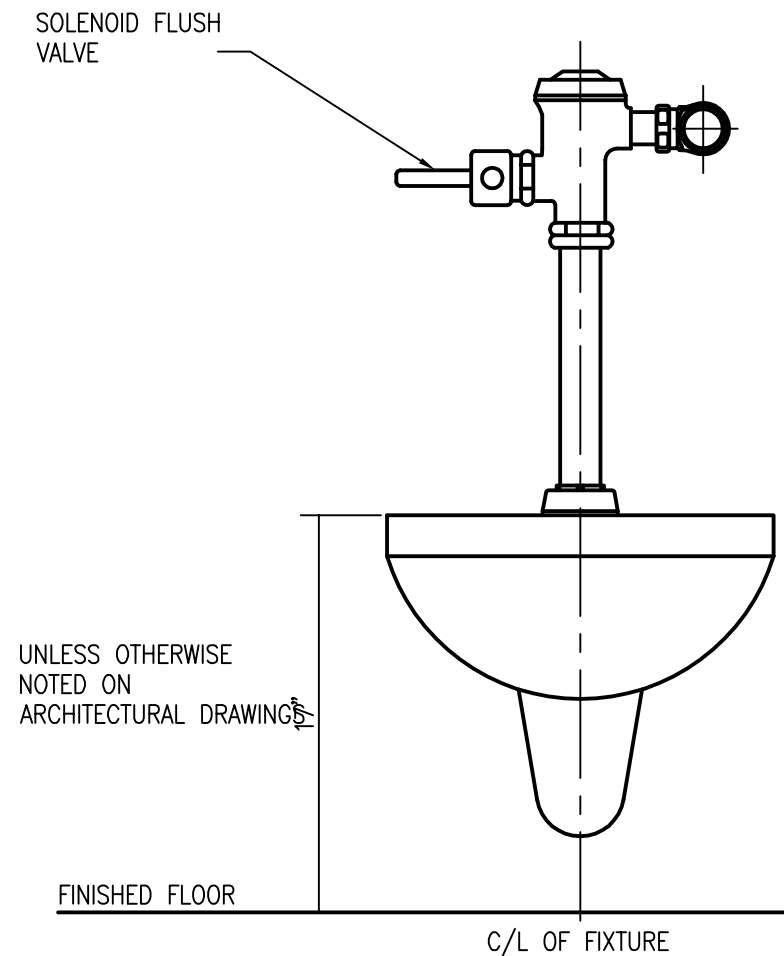
Project Number
589A7-18-302

Building Number
13

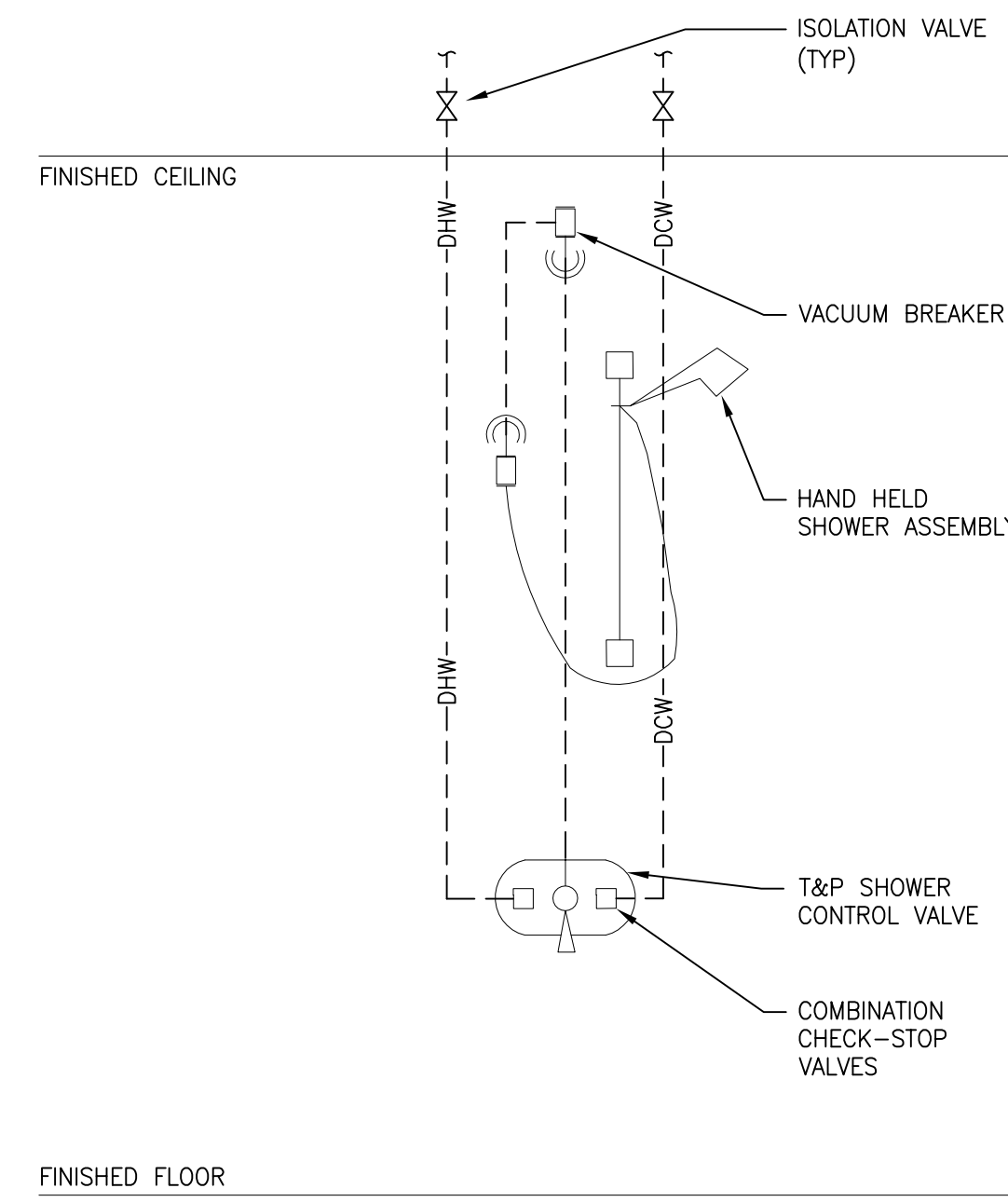
Drawing Number
13-PP401.03



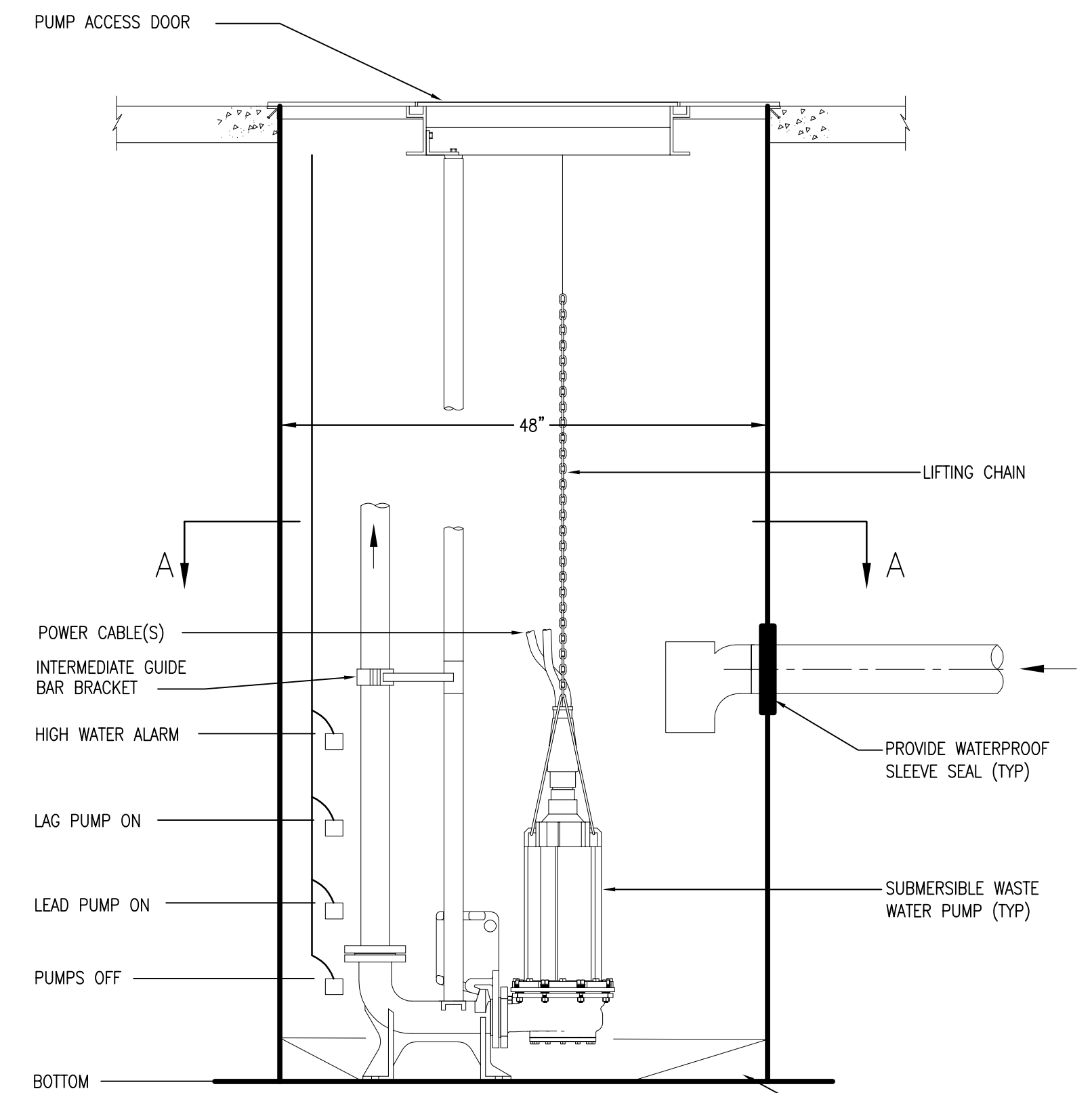
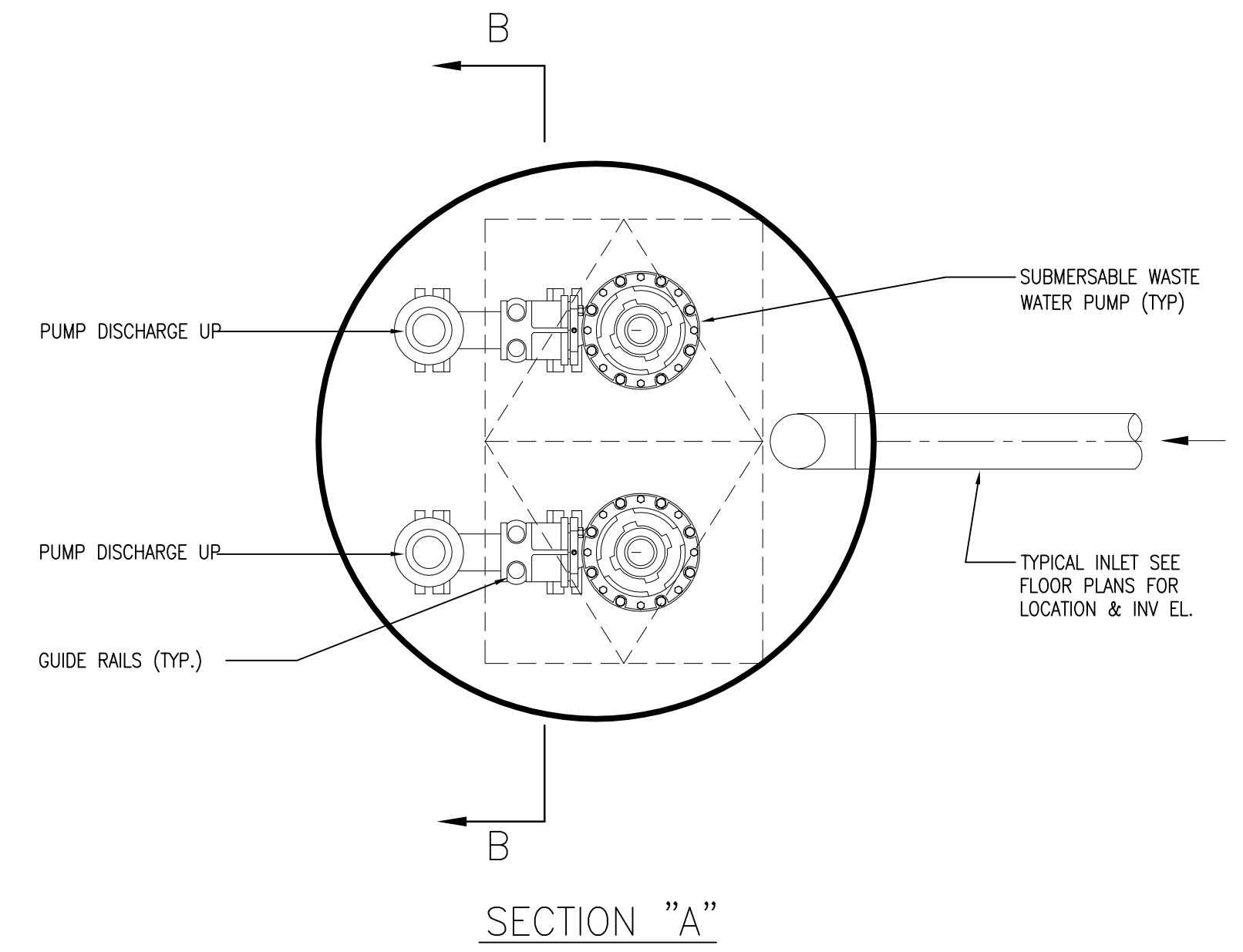
1 TYPICAL FAUCET PIPING DETAIL
SCALE: NONE



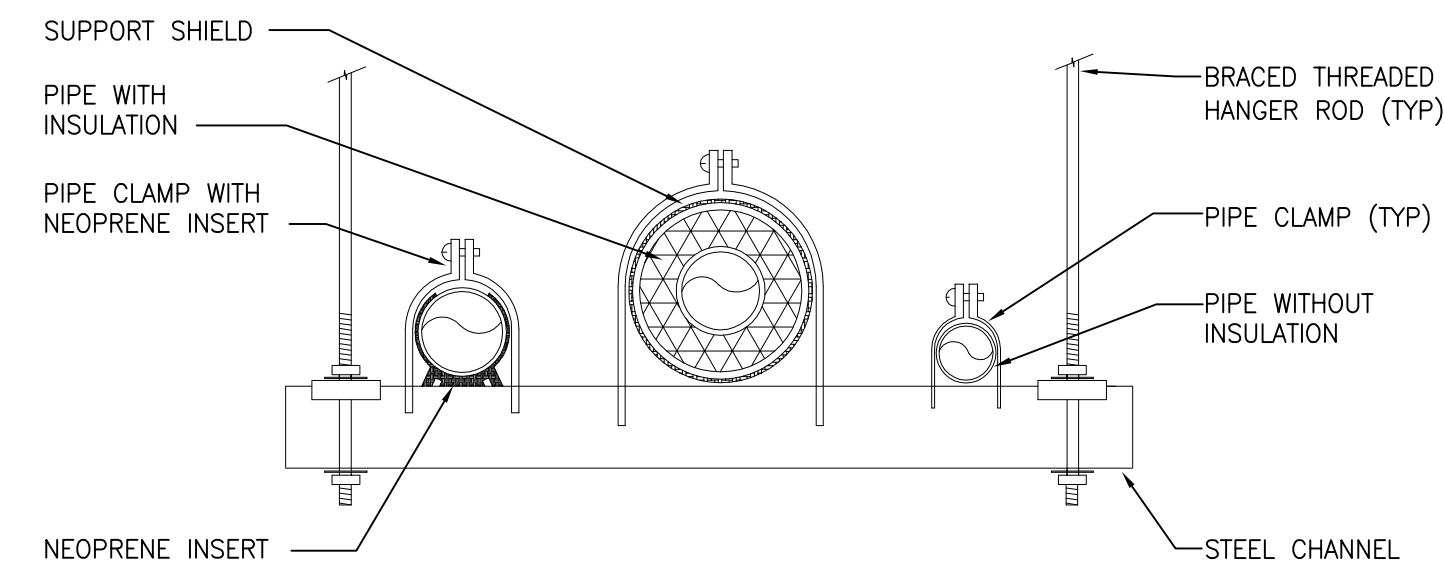
2 P-103 WATER CLOSET DETAIL
SCALE: NONE



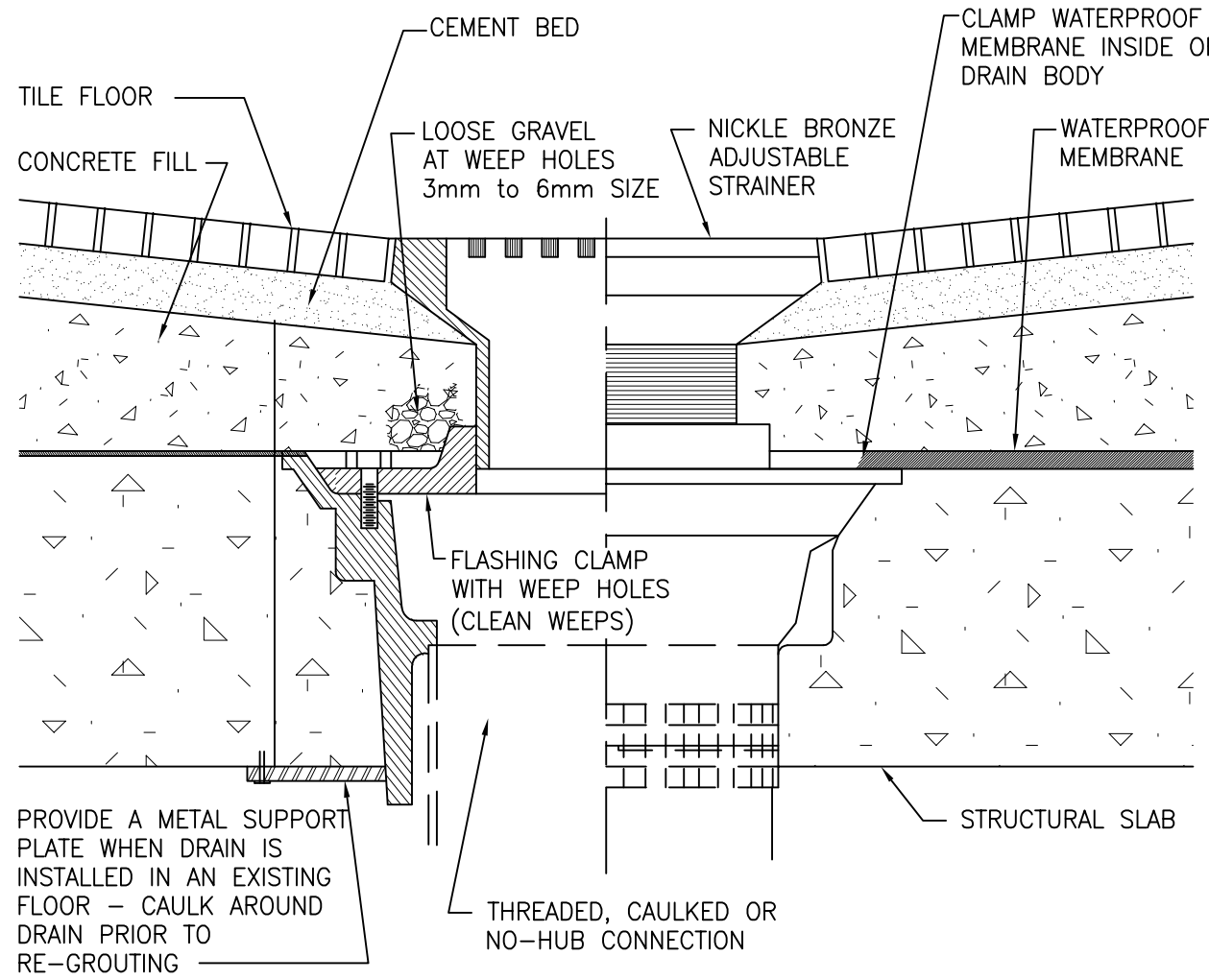
3 SHOWER PIPING DETAIL
SCALE: NONE



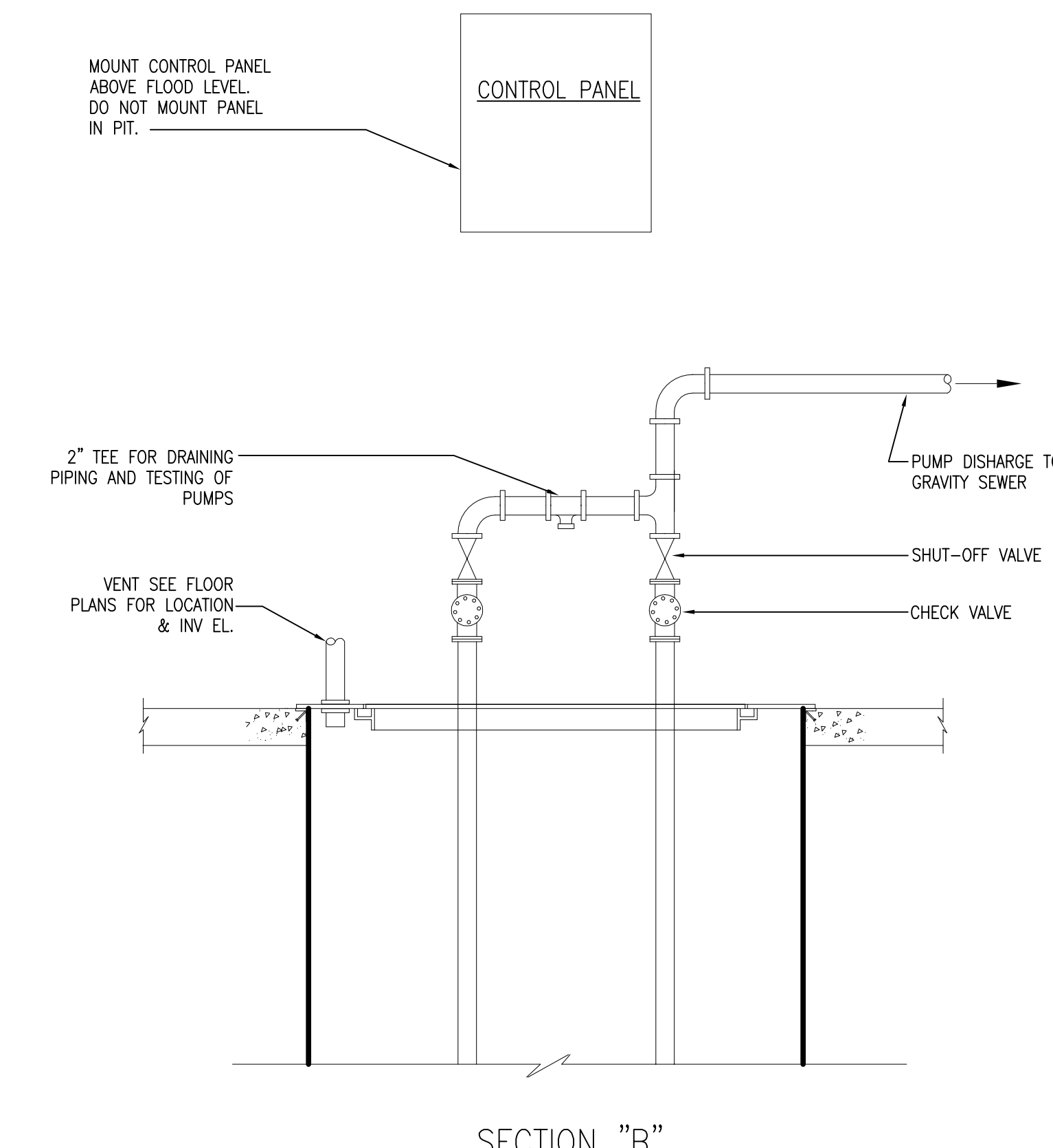
8 TYPICAL WASTE WATER LIFTSTATION DETAIL
SCALE: NONE



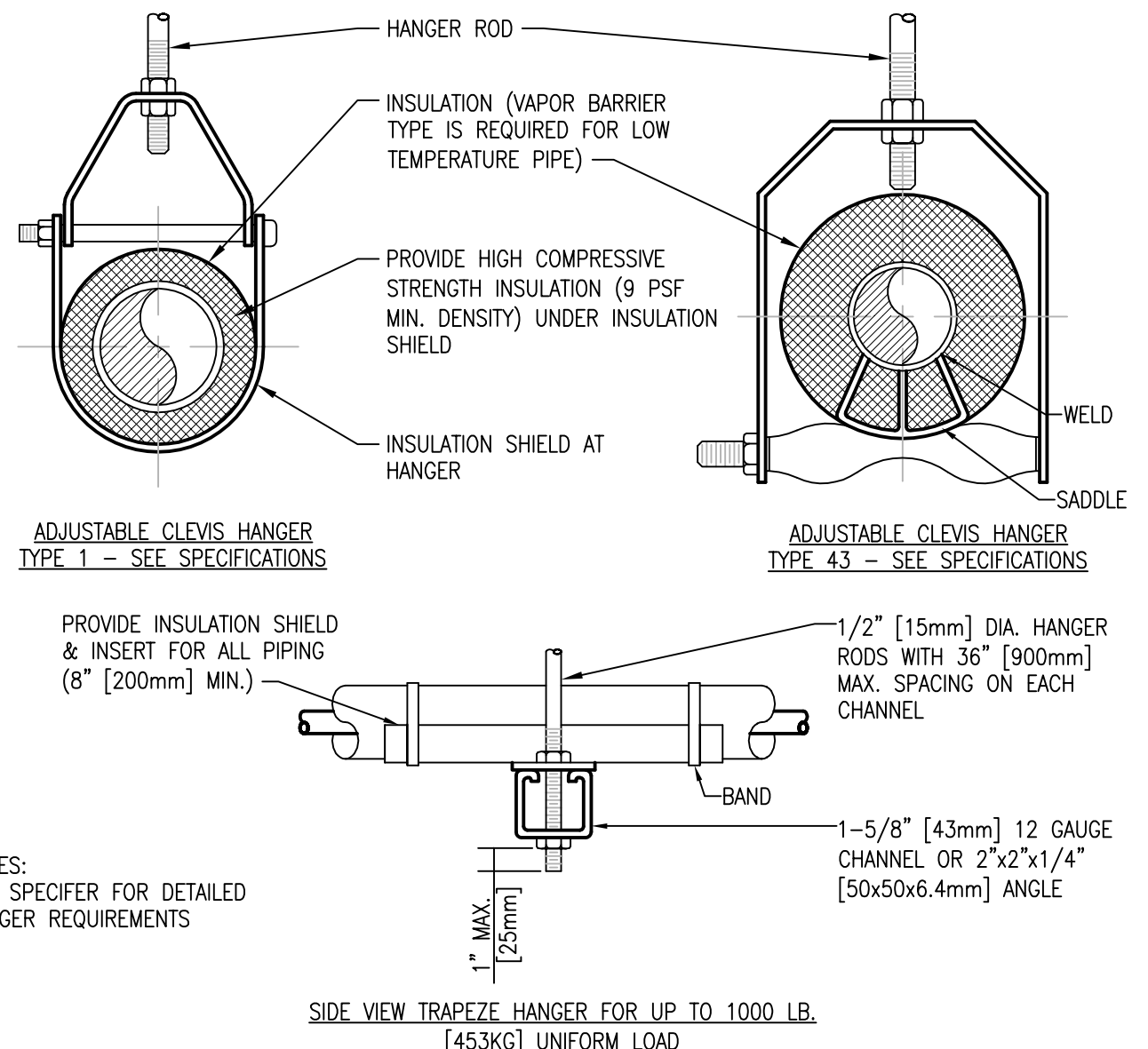
4 TYPICAL TRAPEZE PIPE SUPPORT DETAIL
SCALE: NONE



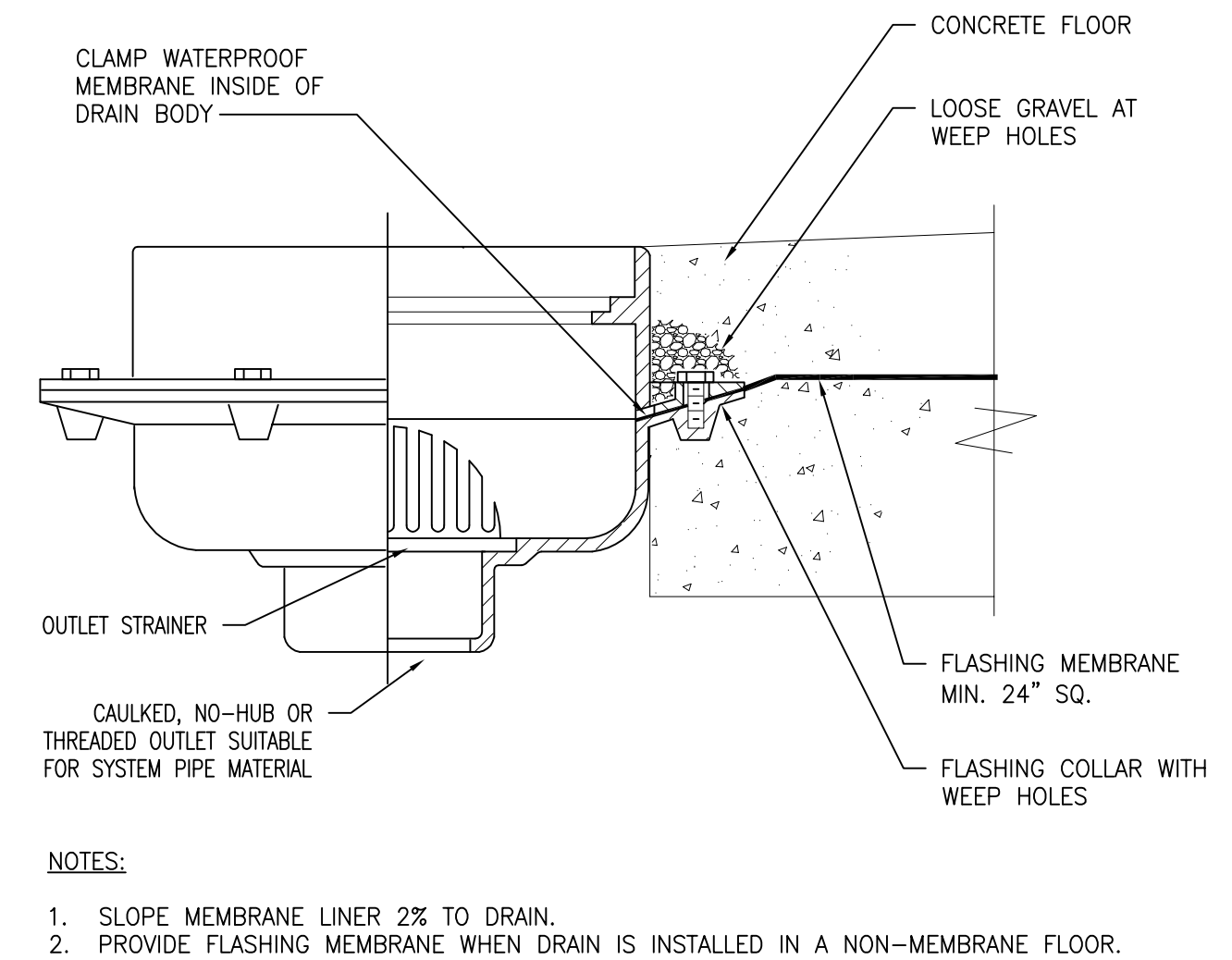
5 TYPE "C" FLOOR DRAIN DETAIL
SCALE: NONE



SECTION "B"



6 PIPE HANGER DETAIL
SCALE: NONE



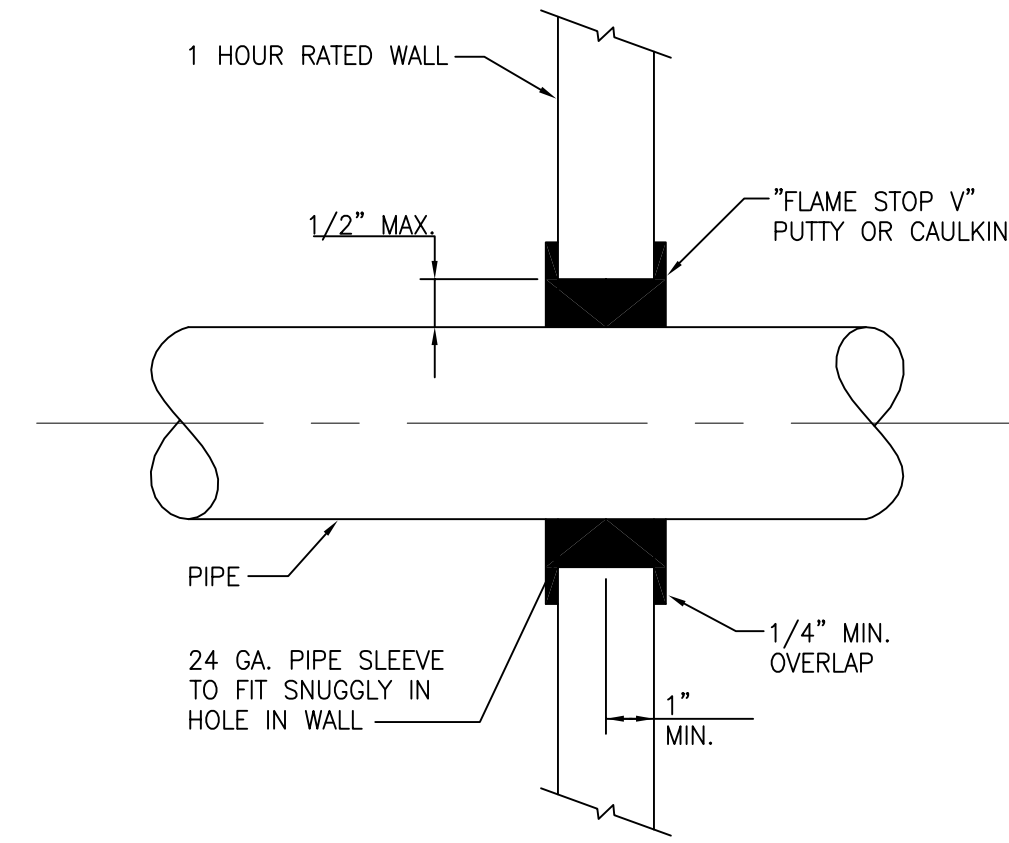
7 TYPE "E" FLOOR DRAIN DETAIL
SCALE: NONE

LIFTSTATION FLOAT CONTROL ELEVATIONS							
NO.	ITEM	PIT BOTTOM	PUMPS OFF	LEAD PUMP ON	LAG PUMP ON	HIGH WATER ALARM	REMARKS
X-SSP-1	SANITARY WASTE LIFTSTATION	-66"	-54"	-36"	-30"	-24"	FIN FL EL -0'
X-SSP-2							
X-STP-1	STORM WATER LIFTSTATION	-84"	-72"	-48"	-42"	-36"	FIN FL EL -0'
X-STP-2							

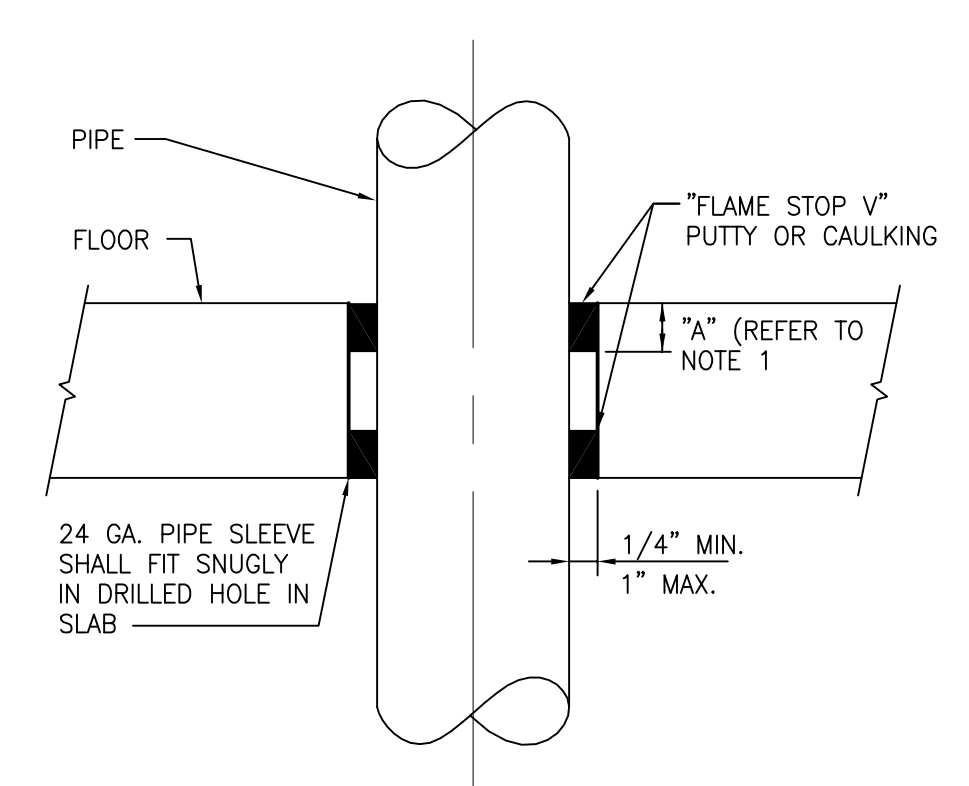
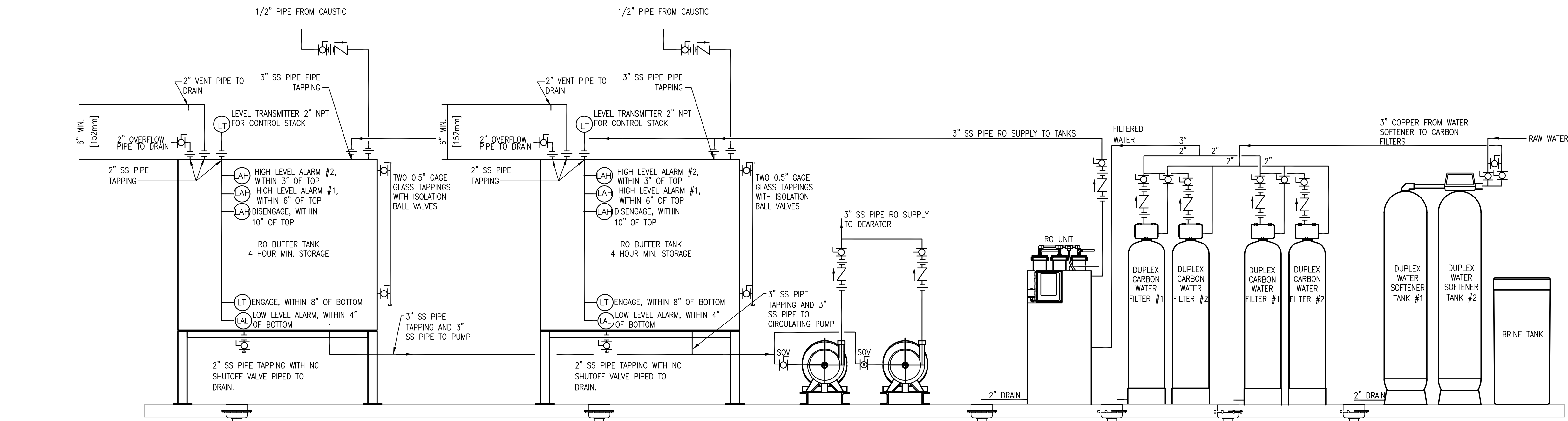
MAXIMUM PIPE/TUBING SUPPORT SPACING													
NOM. SIZE	IN.	THRU 3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10
PIPE	FT.	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100
TUBING	FT.	1500	1800	2100	2400	2700	3000	3400	3700	4000	4100	4900	-
NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE.													

PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER.		CONSULTANTS HAZARDOUS MATERIALS MABBETT & ASSOCIATES, INC. 105 CENTRAL STREET, STONEHAM, MA 02180 PHONE: (781)275-6050 CIVIL/STRUCTURAL PROFESSIONAL ENGINEERING CONSULTANTS, P.A. 303 SOUTH TOPEKA, WICHITA, KS 67202 PHONE: (316)262-2881 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)726-2246 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, 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)429-5002 MR PROJECT NO: 0499-0121		MILLER-REMICK LLC PROFESSIONAL ENGINEER 		Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs		Drawing Title PLUMBING DETAILS 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 JJM Drawn AHTM		Project Number 589A7-18-302 Building Number 13 Drawing Number P-501	
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1 TYPICAL WALL PENETRATION DETAIL
SCALE: NONE

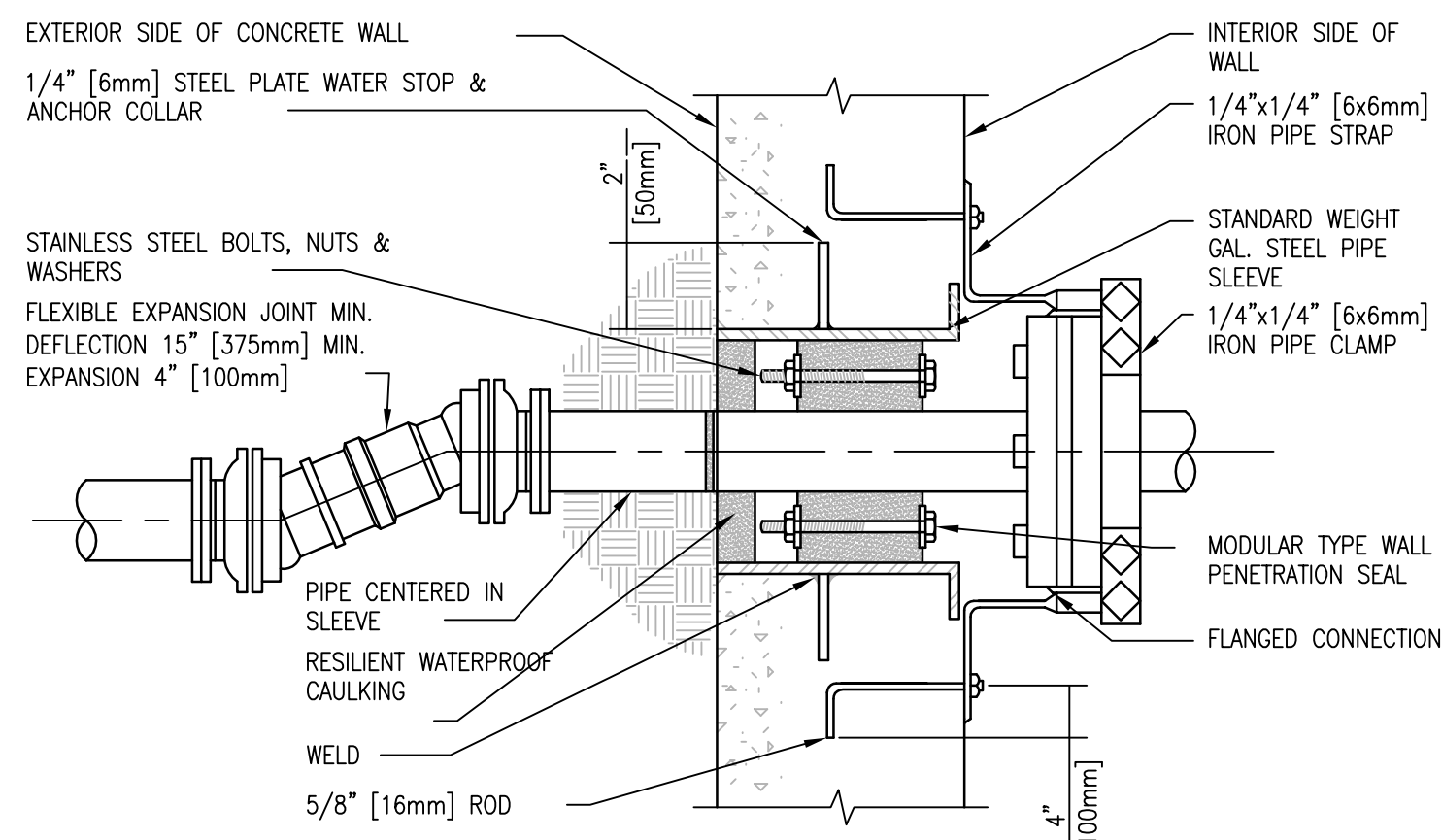


2 REVERSE OSMOSIS PACKAGE DETAIL
SCALE: NONE



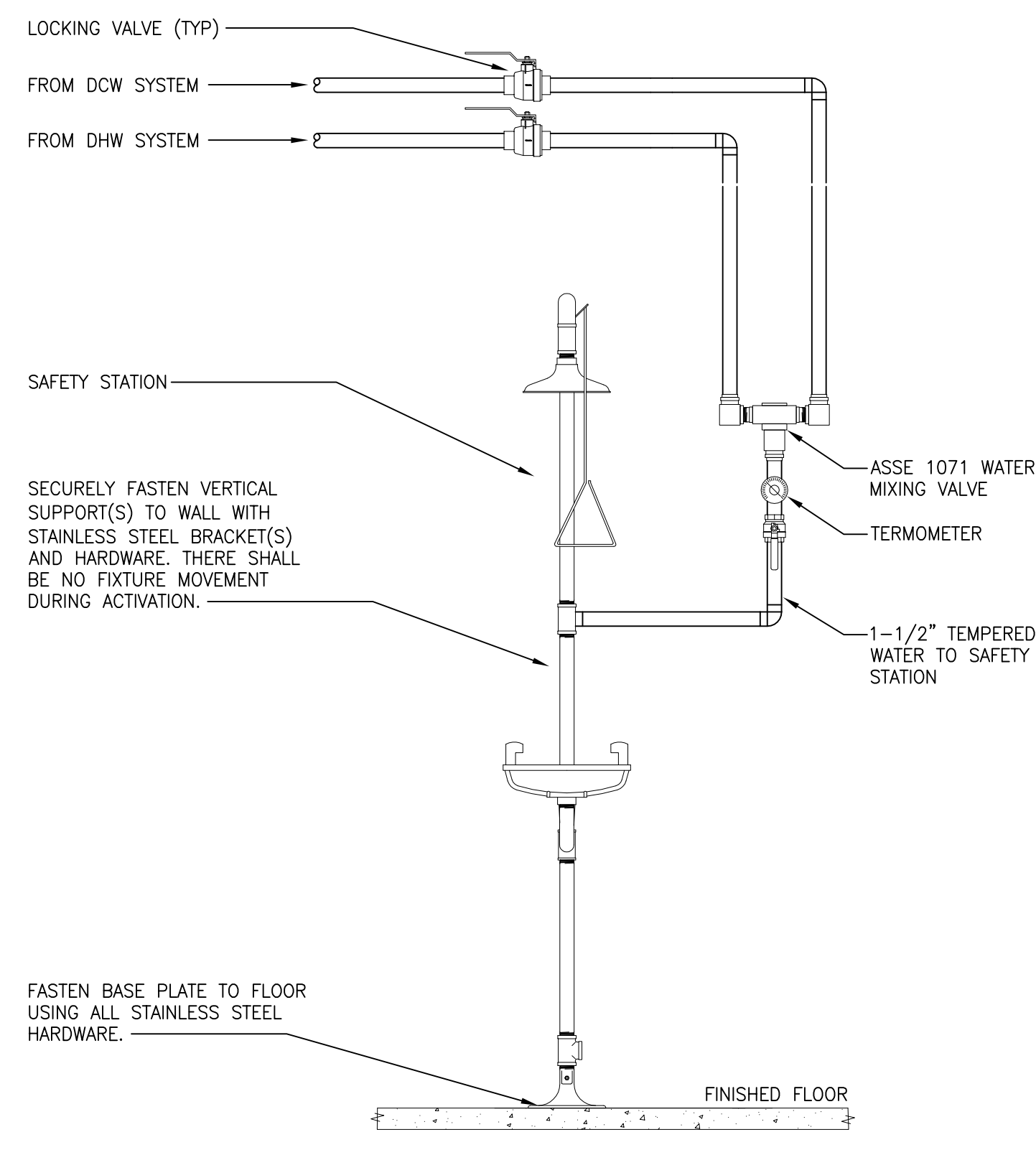
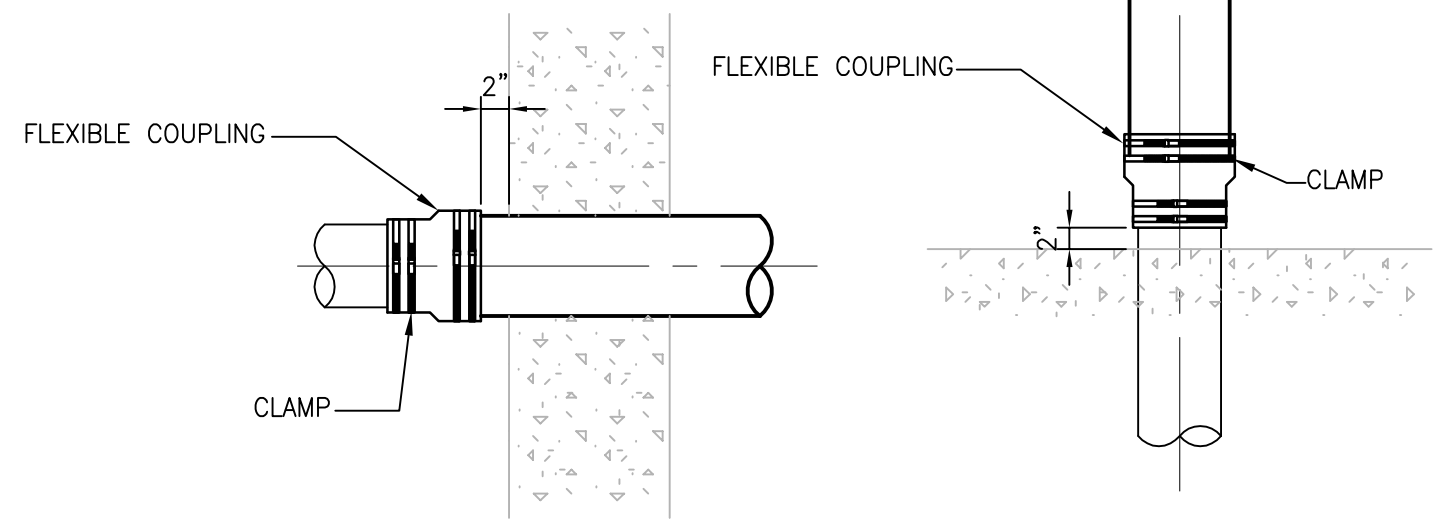
- NOTES:
- DIM "A" - FLAME STOP V DEPTH 2" MIN. FOR 3/4" TO 2" PIPE SIZES & 4" MIN. FOR 2-1/2" TO 6" PIPE SIZES.
 - INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS AND THE CITY BUILDING INSPECTION DEPARTMENT REGULATIONS

3 TYPICAL FLOOR PENETRATION DETAIL
SCALE: NONE

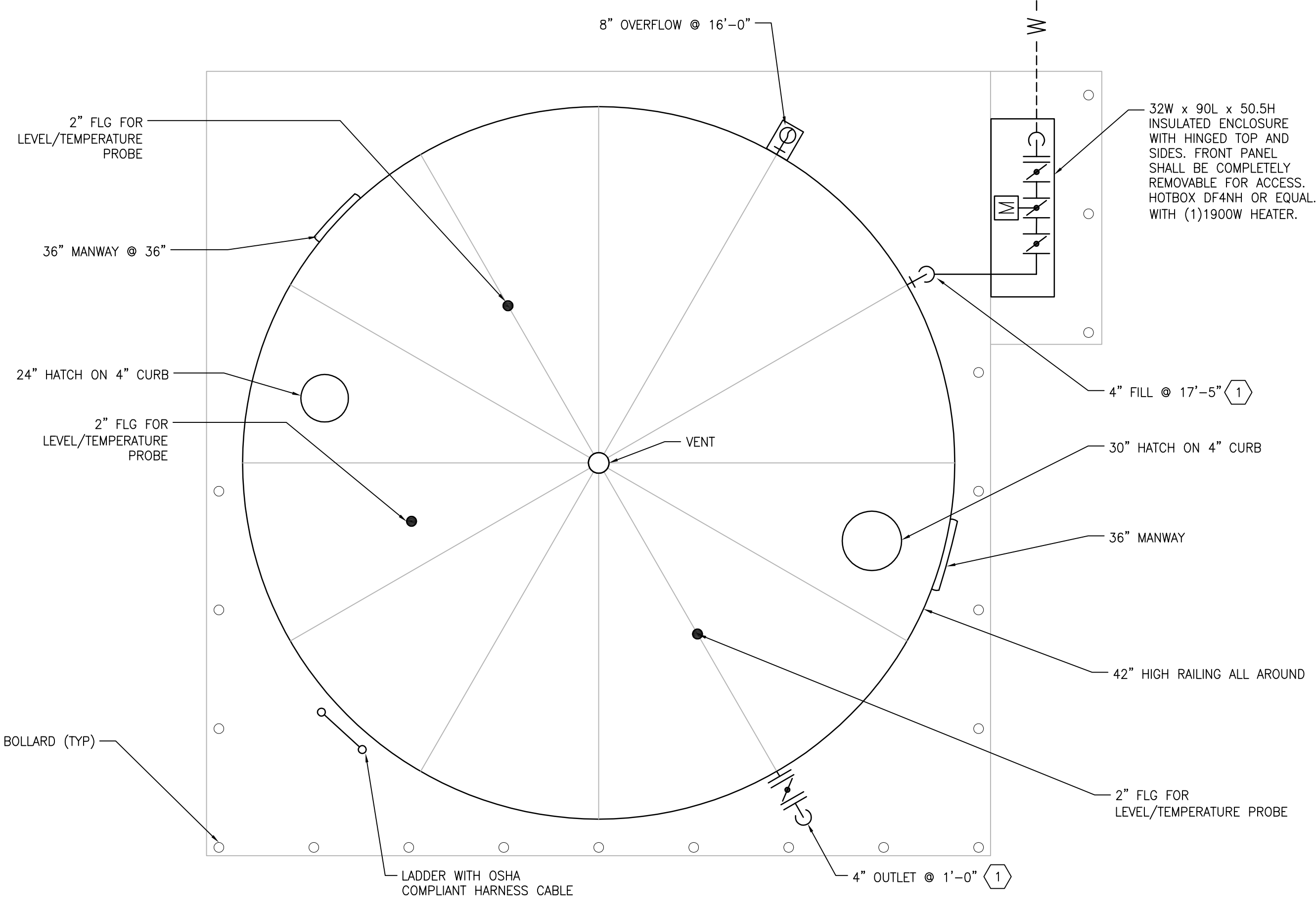


5 PIPE PENETRATION THROUGH WALL BELOW GRADE
SCALE: NONE

4 TYPICAL CAST IRON TO PLASTIC PIPE DETAIL
SCALE: NONE



6 EMERGENCY SHOWER DETAIL
SCALE: NONE



7 INDUSTRIAL COLD WATER STORAGE TANK DETAIL
SCALE: 1/4" = 1'-0"

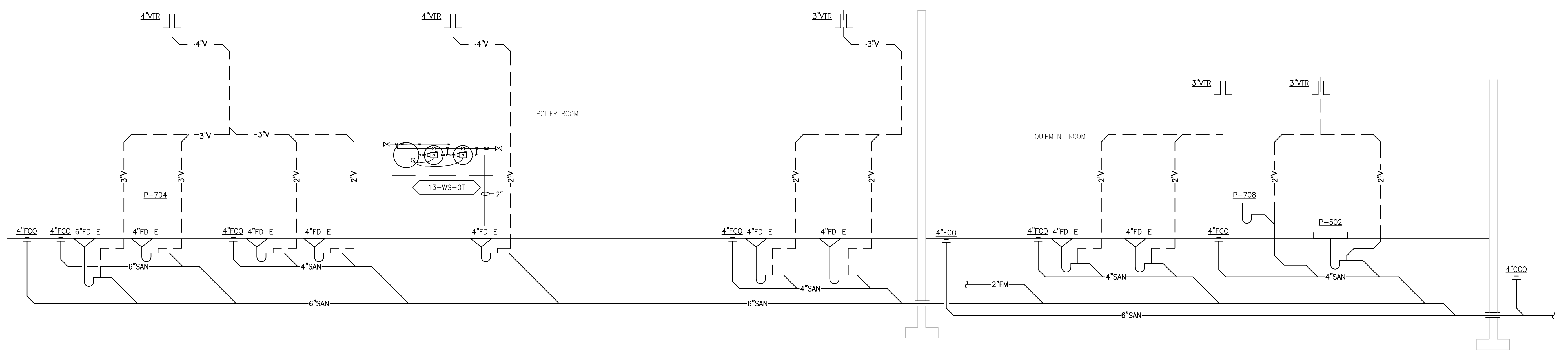
- NOTES:
- ALL EXTERNAL FILL AND OUTLET PIPING TO BE FITTED WITH HEAT TRACE (5 W/LF @ 120V), 2" CELLULAR GLASS INSULATION, AND STUCCO EMBOSSED ALUMINUM JACKET.

PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER.			CONSULTANTS HAZARDOUS MATERIALS MABBETT & ASSOCIATES, INC. 105 CENTRAL STREET, STONEHAM, MA 02180 PHONE: (781)275-6950 CIVIL/STRUCTURAL PROFESSIONAL ENGINEERING CONSULTANTS, P.A. 303 SOUTH TOPEKA, WICHITA, KS 67202 PHONE: (316)262-2891 ARCHITECTURAL OCULUS INC. 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)729-2246 ELECTRONIC SECURITY MAGNA ENGINEERS 861 CORPORATE DRIVE, SUITE 210, LEXINGTON, KY 40503 PHONE: (859)306-2990 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)429-9002 MR PROJECT NO: 0499-0121			MILLER-REMICK LLC PROFESSIONAL ENGINEER WILSONY D. PAKARD LICENSED 26413 KANSAS PROFESSIONAL ENGINEER 9.3.2021			Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs			Drawing Title PLUMBING DETAILS 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 P-502		
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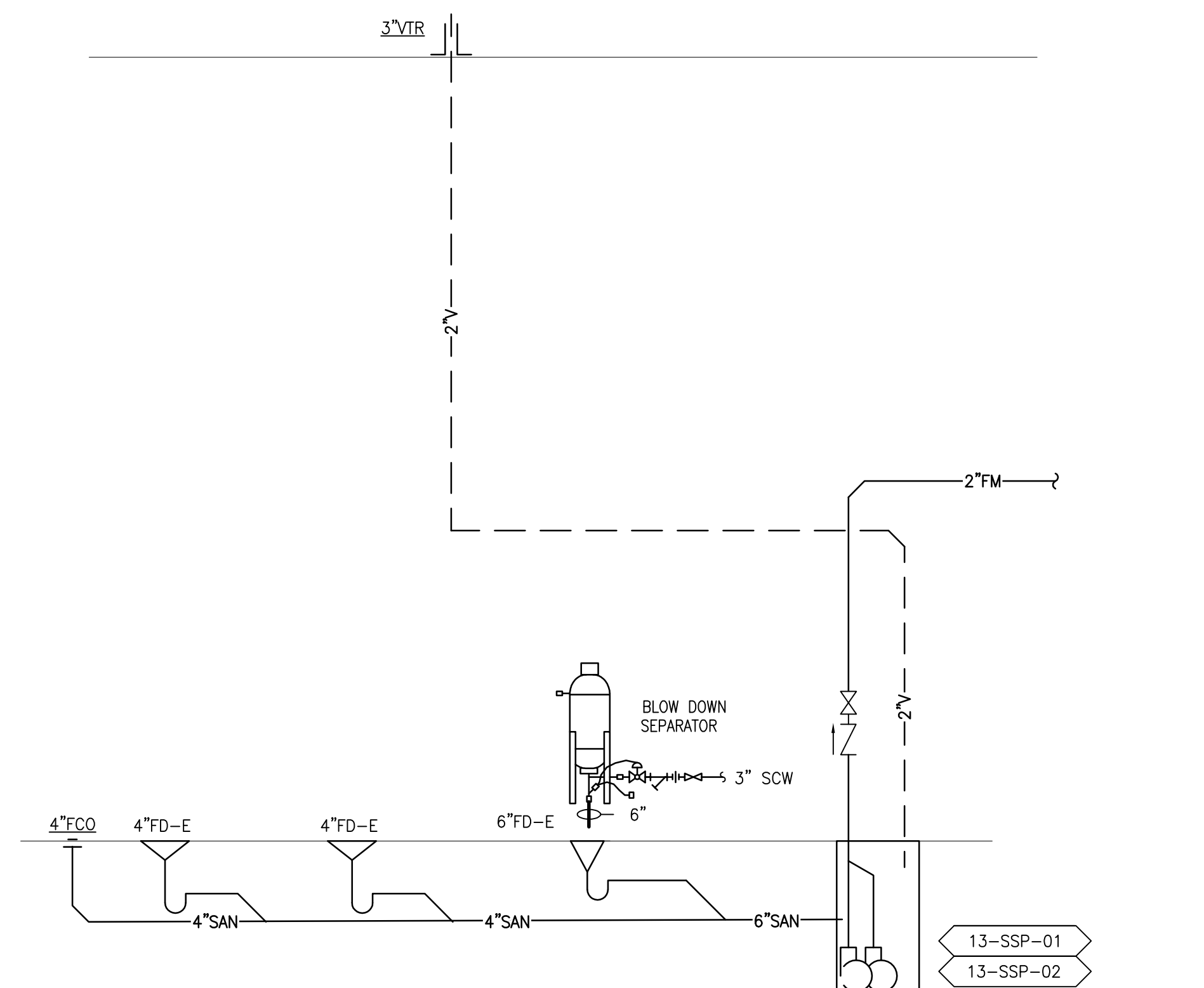
P:\0499_DVA\0499-0121 Wichita - Boiler\1 - Plumbing\1 - Current - Submittal\Phase 6 - Plumbing\1 - 502.dwg 9-07-21 10:25:11 AM atreviermeyer

GENERAL SHEET NOTES:

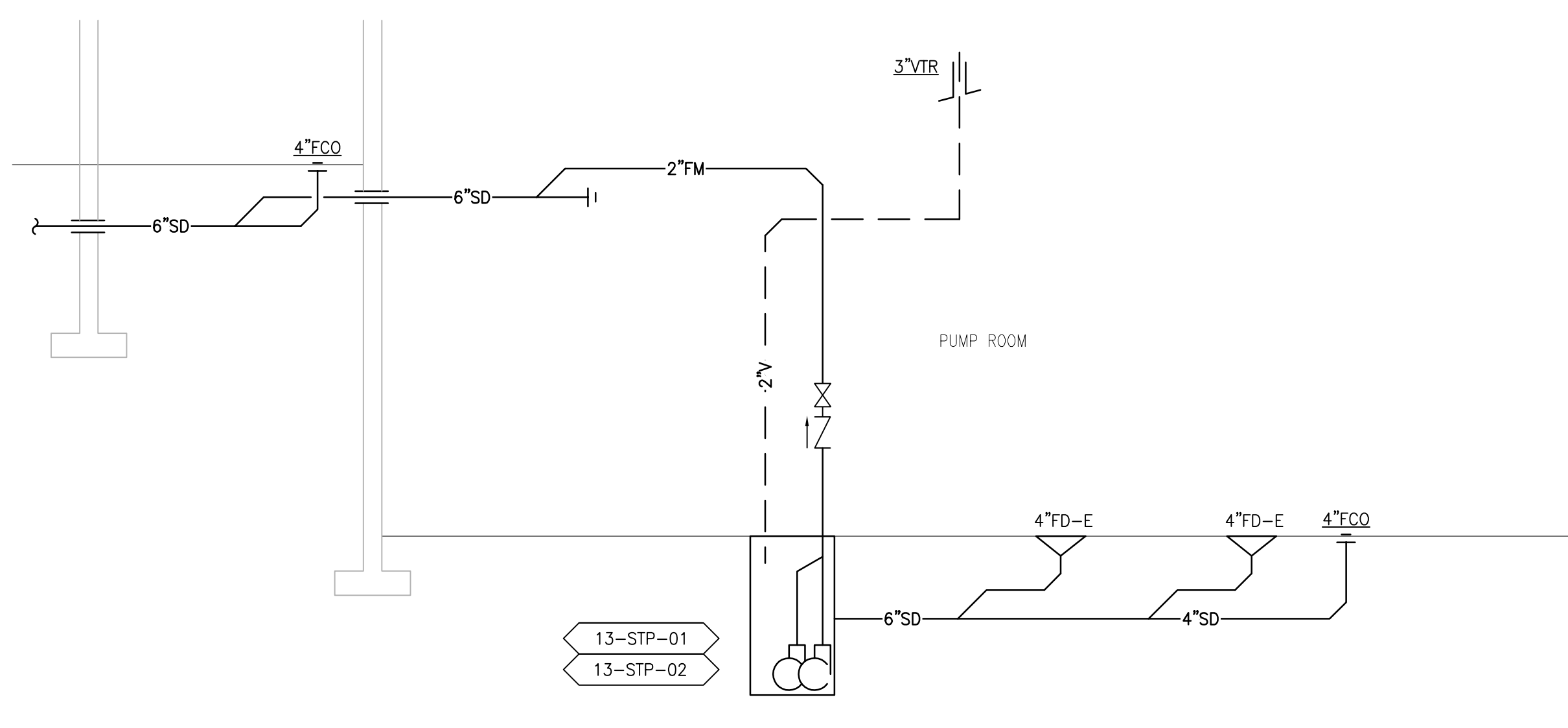
1. REFER TO DRAWING P-001 FOR ABBREVIATIONS, NOTES & SYMBOLS.
2. CONTRACTOR SHALL ATTACH PERMANENT TAGS ON ALL EQUIPMENT AND VALVES, AND CLEARLY LABEL ALL PIPING SYSTEMS. REFER TO PROJECT SPECIFICATIONS FOR DETAILS.



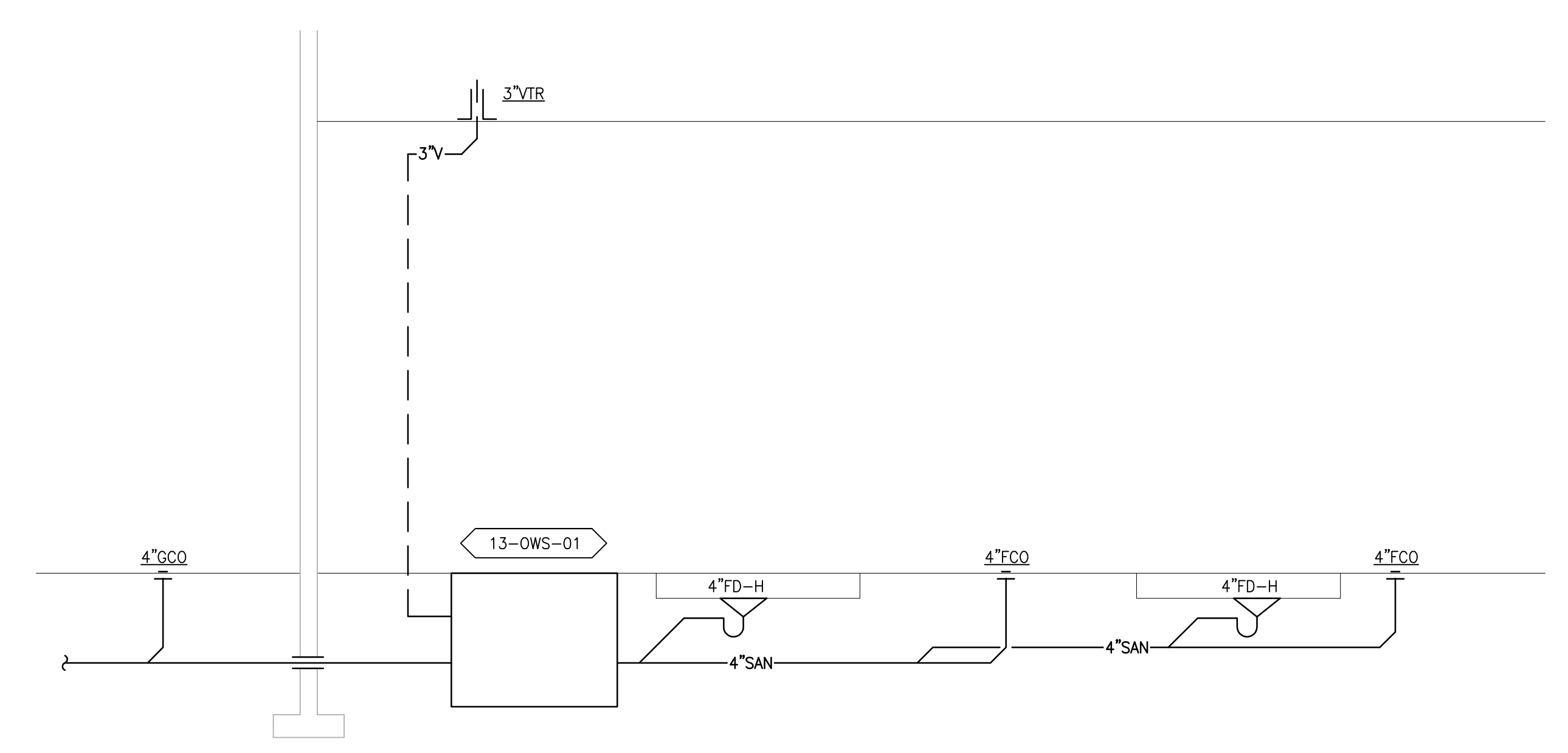
1 SANITARY AND VENT RISER DIAGRAM – PHASE 2
SCALE: NO SCALE



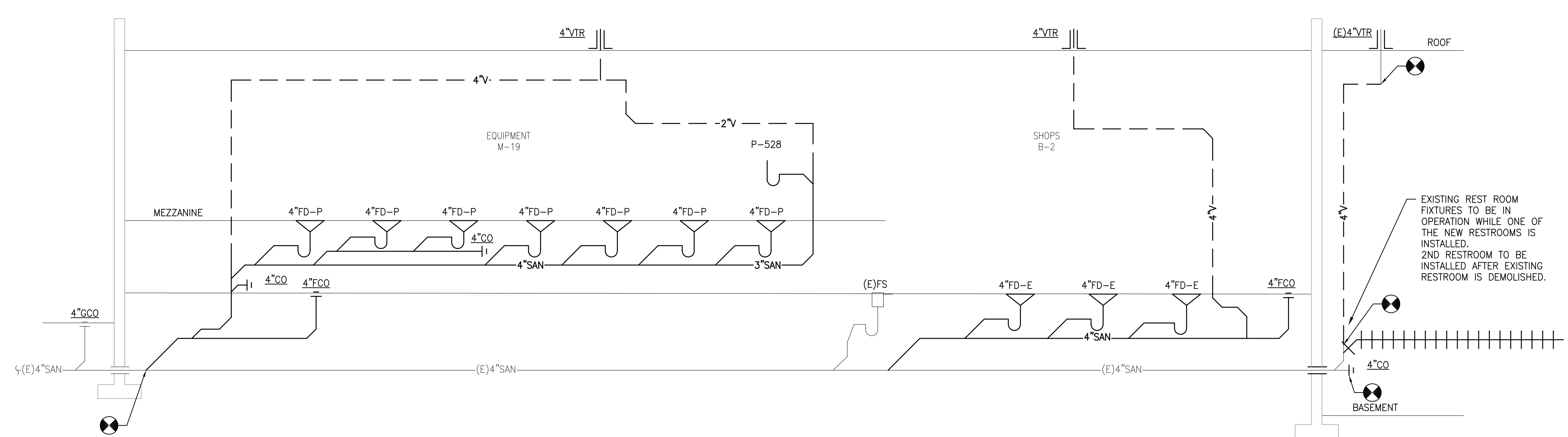
2 BASEMENT SANITARY SUMP PUMP RISER DIAGRAM – PHASE 2
SCALE: NO SCALE



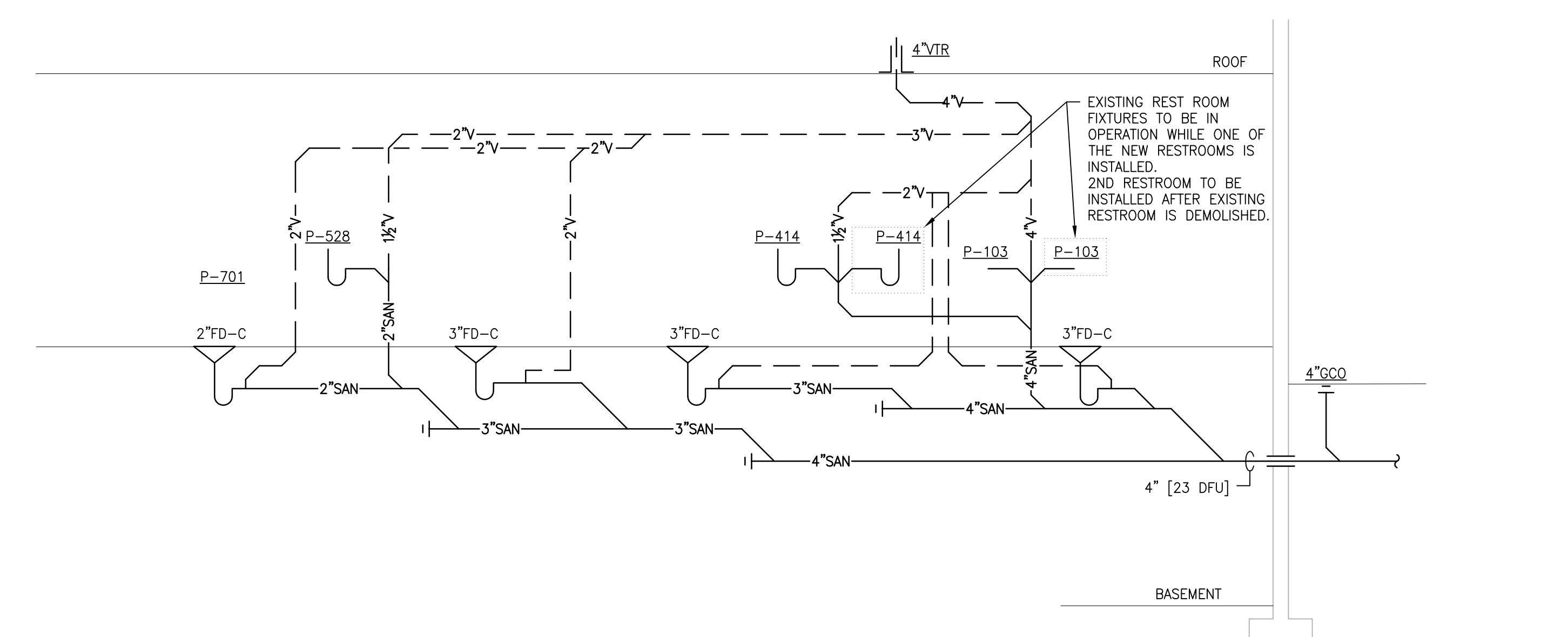
3 PUMP ROOM STORM WATER SUMP PUMP RISER DIAGRAM – PHASE 2
SCALE: NO SCALE



4 OIL WATER SEPERATOR RISER DIAGRAM – PHASE 2
SCALE: NO SCALE



5 EQUIPMENT ROOM SANITARY AND VENT RISER DIAGRAM – PHASE 3
SCALE: NO SCALE



6 TOILET ROOM SANITARY AND VENT RISER DIAGRAM – PHASE 3
SCALE: NO SCALE

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)275-6550</p> <p>CIVIL / STRUCTURAL PROFESSIONAL ENGINEERING CONSULTANTS, P.A. 303 SOUTH TOPEKA, WICHITA, KS 67202 PHONE: (316)262-2881</p> <p>ARCHITECTURAL OCULUS INC. 1 SOUTH MEMORIAL DRIVE, SUITE 1500, SAINT LOUIS, MO 63102 PHONE: (314)367-6100</p>	<p>FIRE SUPPRESSION KOFFEL ASSOCIATES 8815 CENTRE PARK DRIVE, SUITE 200, COLUMBIA, MD 21045 PHONE: (410)726-2246</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: (802)836-4232</p>
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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-REMICK LLC PROFESSIONAL ENGINEER WILSONY D. PAKIROU 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

Drawing Title
PLUMBING RISER & FLOW DIAGRAMS

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 JJM	Drawn AHTM
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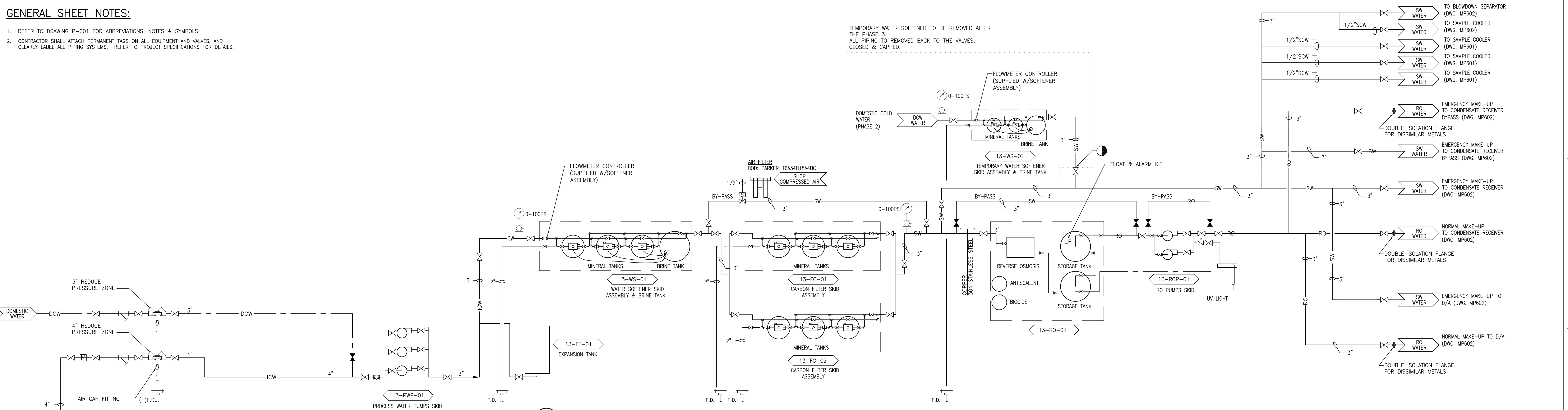
Project Number
589A7-18-302

Building Number
13

Drawing Number
P-601

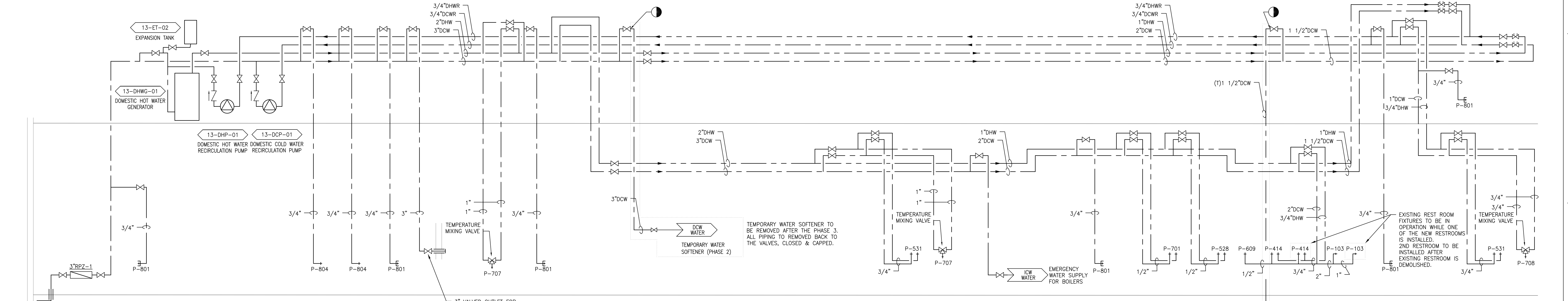
GENERAL SHEET NOTES:

- REFER TO DRAWING P-001 FOR ABBREVIATIONS, NOTES & SYMBOLS.
- CONTRACTOR SHALL ATTACH PERMANENT TAGS ON ALL EQUIPMENT AND VALVES, AND CLEARLY LABEL ALL PIPING SYSTEMS. REFER TO PROJECT SPECIFICATIONS FOR DETAILS.

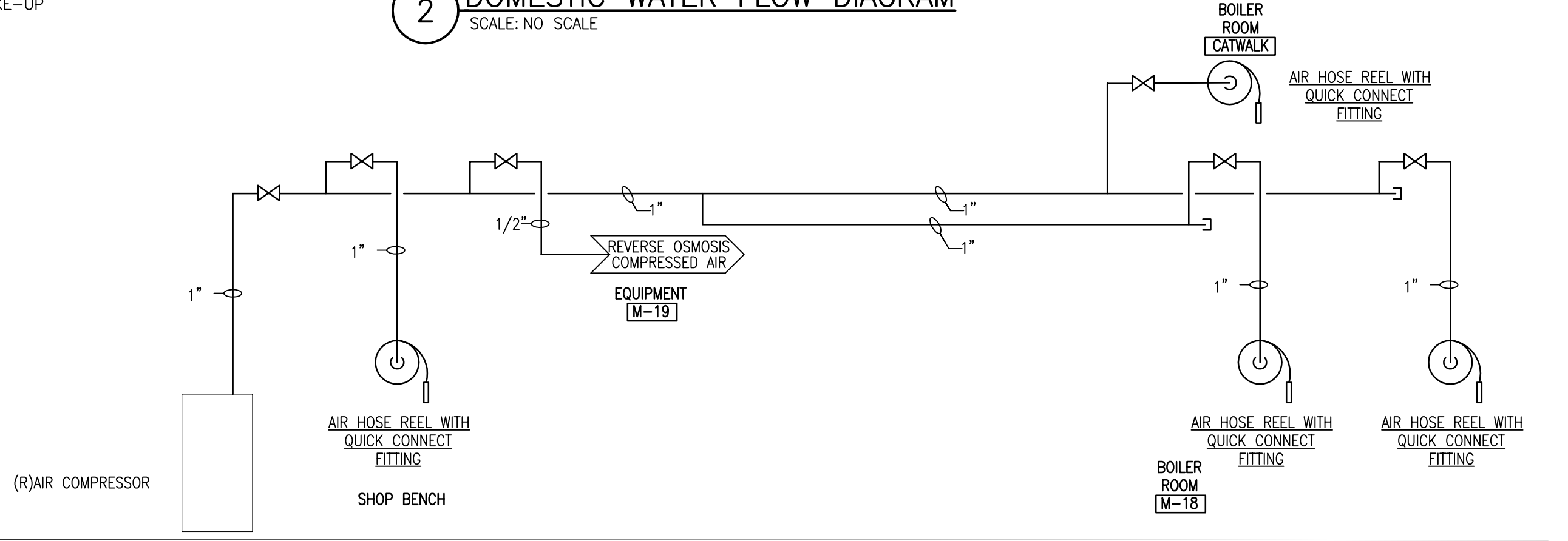


1 MAKE-UP & REVERSE OSMOSIS WATER FLOW DIAGRAM
SCALE: NO SCALE

NOTE: ALL PIPING, FITTINGS, VALVES, & ACCESSORIES CARRYING RO WATER ARE TO BE FABRICATED OF 304 STAINLESS STEEL.



2 DOMESTIC WATER FLOW DIAGRAM
SCALE: NO SCALE



3 SHOP COMPRESSED AIR FLOW DIAGRAM
SCALE: NO SCALE

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)275-6050	FIRE SUPPRESSION KOFFEL ASSOCIATES 8815 CENTRE PARK DRIVE, SUITE 200, COLUMBIA, MD 21045 PHONE: (410)729-2246
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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



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

Drawing Title PLUMBING FLOW DIAGRAMS	Phase 100% BID SET
Approved: Project Director	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 JJM
Drawn AHTM	Drawing Number P-602

VA FORM 08-6231

WATER SOFTENER SCHEDULE

Table with columns: MARK, LOCATION, AREA AND/OR BLDG SERVED, SYSTEM AND/OR SERVICE, TYPE, INCOMING WATER HARDNESS, CONTINUOUS FLOW RATE (EA VESSEL), PROGRESSIVE FLOW TRIP POINT, PEAK FLOW RATE @ 25 PSI LOSS (EA VESSEL), OPER WATER PRESSURE DYNAMIC, BACK WASH FLOW RATE, CAPACITY/ SALT DOSAGE (MAX SALT DOSAGE, RESIN AMOUNT (EA), MAX CAPACITY), SKID DIMENSIONS, TANK SIZE (DIAM), SALT CAPACITY OF BRINE TANK, BRINE TANK DIM, POWER REQUIRED (PHASE, VOLT), REMARKS, BASIS OF DESIGN.

WATER FILTER SCHEDULE

Table with columns: MARK, LOCATION, SYSTEM AND/OR SERVICE, TYPE, MEDIA, CHLORINE DECHLORINATION PER VESSEL, CHLORAMINE REDUCTION EMPTY BED CONTACT TIME/MINUTES, SKID DIMENSIONS, INLET/OUTLET CONNECTIONS, DRAIN CONN, REMARKS, BASIS OF DESIGN.

GAS FIRED WATER HEATER SCHEDULE

Table with columns: MARK, LOCATION, AREA AND/OR BLDG SERVED, SYSTEM AND/OR SERVICE, TYPE, STORAGE CAPACITY (GAL), RECOVERY @ 100 °F RISE (GPH), TIME TO RECOVER CONTENTS, MINUTES, RELIEF VALVE SETTING (PSIG), FUEL (TYPE, INLET PRESSURE (IN WG), FLOW (CFH), NOMINAL POWER (HP), PHASE, VOLT), REMARKS.

DOMESTIC WATER THERMAL EXPANSION TANK SCHEDULE

Table with columns: MARK, LOCATION, TYPE, SYSTEM TEMPERATURE RANGE (MIN, MAX), INITIAL PRESSURE IN TANK (PSIG), MAX OPERATING PRESSURE (PSIG), RELIEF VALVE PSIG, MIN TANK VOLUME (GAL), MIN ACCEPT VOLUME (GAL), PIPE SIZE TO TANK (IN), REMARKS.

PACKAGED REVERSE OSMOSIS SCHEDULE

Table with columns: MARK, LOCATION, AREA AND/OR BLDG SERVED, SYSTEM AND/OR SERVICE, TYPE, INCOMING WATER TPM DISSOLVED SOLIDS, PRODUCT CAPACITY (GPM), FEED FLOW (GPM), REJECT FLOW (GPM), CLEANING FLOW (GPM), NO. VESSELS, MEMBRANES PER VESSEL, VESSEL ARRAY, PUMP ELECTRICAL (POWER (HP), PHASE, VOLT), REMARKS.

PLUMBING FIXTURE SCHEDULE

Table with columns: MARK, DESCRIPTION, WASTE PIPE (IN), VENT PIPE (IN), COLD WATER (IN), HOT WATER (IN), WASTE FIXTURE UNITS, WATER FIXTURE UNITS, WRIST BLADE HANDLES, ELECTRIC SENSOR, REMARKS.

PLUMBING PUMP SCHEDULE

Table with columns: MARK, LOCATION, AREA AND/OR BLDG SERVED, SYSTEM AND/OR SERVICE, TYPE, CIRCULATING FLUID (FLUID, FLOW (GPM), HEAD (FT), TEMPERATURE (°F)), ELECTRICAL MOTOR (SP GR, MIN % EFF, HP, PHASE, VOLT, MAX RPM, SPEED CONTROL), REMARKS.

DRAIN SCHEDULE

Table with columns: MARK, LOCATION, SYSTEM AND/OR SERVICE, TYPE, FLOW CAPACITY, INLET SIZE (IN), FACE SIZE (IN), REMARKS.

PACKAGE BOOSTER PUMP SCHEDULE

Table with columns: MARK, LOCATION, AREA AND/OR BLDG SERVED, SYSTEM AND/OR SERVICE, TYPE, CIRCULATING FLUID (FLUID, NO PUMPS, FLOW EA PUMP (GPM), HEAD EA PUMP (FT), MIN NPSH AVAIL, TEMPERATURE (°F)), ELECTRICAL MOTOR (SP GR, % EFF, NOMINAL POWER, EA (HP), PHASE, VOLT, MAX RPM, SPEED CONTROL), REMARKS.

STORAGE TANK SCHEDULE

Table with columns: MARK, LOCATION, TYPE, FULL TEMPERATURE RANGE (MIN, MAX), MAX OPERATING PRESSURE (PSIG), RELIEF VALVE (PSIG), MIN VOLUME (GAL), INLET PIPE SIZES (IN), OUTLET PIPE SIZES (IN), BASIS OF DESIGN, REMARKS.

OIL WATER SEPARATOR SCHEDULE

Table with columns: MARK, LOCATION, AREA AND/OR BLDG SERVED, SYSTEM AND/OR SERVICE, TYPE, PRODUCT CAPACITY (GPM), PUMP ELECTRICAL (POWER (HP), PHASE, VOLT), REMARKS.

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

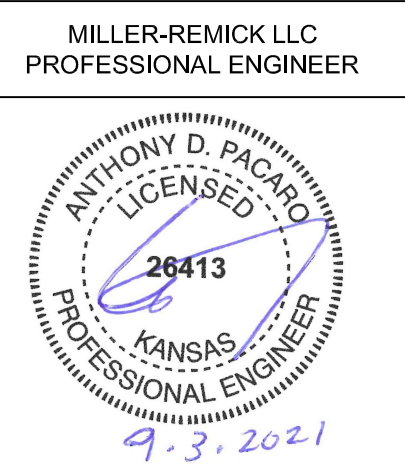
CONSULTANTS

HAZARDOUS MATERIALS MABBETT & ASSOCIATES, INC. 105 CENTRAL STREET, STONEHAM, MA 02180. CIVIL/STRUCTURAL PROFESSIONAL ENGINEERING CONSULTANTS, P.A. 303 SOUTH TOPEKA WICHITA, KS 67202. ARCHITECTURAL OCULUS INC. 1 SOUTH MEMORIAL DRIVE, SUITE 1500, SAINT LOUIS, MO 63102.

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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.



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

Drawing Title PLUMBING SCHEDULES

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

Project Number 589A7-18-302

Building Number 13

Drawing Number P-701

Table with columns: Issue Date (2021-09-03), Checked (JIM), Drawn (AHTM).