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### PIPING SCHEDULE

SYSTEM	LOCATION	MATERIAL	TYPE	STANDARD	JOINTS	FITTINGS
DOMESTIC WATER	ABOVE GROUND	COPPER	TYPE L	ASTM B88	SOLDERED	WROUGHT COPPER
WASTE	ABOVE GROUND	CAST IRON	NO-HUB	ASTM A 888 CISPI 301	HUBLESS COUPLINGS	CAST IRON
WASTE	BURIED	CAST IRON	HUB+SPIGOT	ASTM A 74	RUBBER GASKET	CAST IRON
GAS PIPING 2 1/2" AND SMALLER	THROUGHOUT UNLESS OTHERWISE NOTED	STEEL ASTM A106	BLACK	-	-	THREADED MALLEABLE IRON ANS B16.3 & CLASS 150
GAS PIPING 3" AND LARGER	THROUGHOUT UNLESS OTHERWISE NOTED	STEEL ASTM A106	BLACK	-	-	WELDED ASTM A858

NOTES: 1. INSULATE PIPING IN ACCORDANCE WITH SPECIFICATION 22 07 19.

### WATER HEATER SCHEDULE

TAG NO.	LOCATION	MANUFACTURER	MODEL	TYPE	GAL	RECOVERY AT 70F TO 140F(GPH)	GAS (CFH)	GAS PRESSURE (IN)	VOLTAGE	AMPS
WH	MECHANICAL	PVI INDUSTRIES	40 L 130A-GCML	VERTICAL	130	657	400	3.5 TO 14.0	120	11

### ELECTRIC WATER HEATER SCHEDULE

TAG NO.	LOCATION	MANUFACTURER	MODEL	TYPE	HEAT LOAD (KW)	AMPS	VOLTS	PHASE	TEMPERATURE RISE	GPM
EW-1	BREAK ROOM	EEMAX	SPEX4208T	INSTANTANEOUS	4.1	20	208	1	56	0.5

### PUMP SCHEDULE

TAG NO.	LOCATION	MANUFACTURER	MODEL	FLOWRATE (GPM)	HEAD (FT)	V/PH	F. L. AMPS	WATTS	CONTROLS
CP-1	MECHANICAL	BELL AND GOSSETT	NBF-18S	2	130	115/1	0.74	90	AQUASTAT B&G MODEL AQS-3/4

### EXPANSION TANK SCHEDULE

TAG NO.	LOCATION	MANUFACTURER	MODEL	TANK VOLUME (GAL)	ACCEPTANCE VOLUME (GAL)
ET-1	MECHANICAL	WATTS	DETA 12	5	3.3

### MIXING VALVE SCHEDULE

TAG NO.	LOCATION	AREA SERVED	SIZE			OUTLET TEMP.	MANUFACTURER	SERIES
			CW	HW	TW			
ET-1	MECHANICAL	BUILDING FIXTURES	1"	1"	1-1/4"	120 DEG F	LAWLER	802

### FIXTURE SCHEDULE

TAG	FIXTURE TYPE	WASTE	VENT	HOT WATER	COLD WATER	MANUFACTURER	CATALOG NO.	DESCRIPTION	REMARKS
WC	WATER CLOSET	4"	2"	-	1"	AMERICAN STANDARD	2859.128	WALL MOUNT	HIGH EFFICIENCY, 1.28 GPF, SENSOR OPERATED FLUSHMETER
UR	URINAL	2"	1-1/2"	-	3/4"	AMERICAN STANDARD	6590.501	WALL MOUNT	WASHOUT TYPE W/ SENSOR OPERATED FLUSHMETER, HIGH EFFICIENCY, 0.125 GPF
LAV	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	AMERICAN STANDARD	0883.000	UNDERCOUNTER	SINGLE HANDLE DECK MOUNTED FAUCET, SENSOR OPERATED, 0.5 GPM, ASSE 1070 MIXING VALVE
PS	PANTRY SINK	1-1/2"	1-1/2"	1/2"	1/2"	ELKAY	ELUHAD121225PD	UNDERMOUNT	PROVIDE MANUAL FAUCET, 1.5 GPM
SH	SHOWER	2"	1-1/2"	1/2"	1/2"	AMERICAN STANDARD	TU662.211	-----	SHOWER SYSTEM KIT WITH VALVE, METAL HOSE, 1.5 GPM
EWC	WATER COOLER	1-1/2"	1-1/2"	-	3/8"	ELKAY	LZSG8WSSK	WALL MOUNT	w/ BOTTLE FILLING STATION; 115V/60HZ, 7 FLA
1	HAND SINK	1-1/2"	1-1/2"	1/2"	1/2"	ADVANCE	-	WALL MOUNT	KITCHEN FIXTURES ARE INCLUDED FOR REFERENCE ONLY. REFER TO DWG A-507 FOR MORE INFORMATION.
2A	VEGETABLE SINK	1-1/2"	1-1/2"	1-1/2"	1-1/2"	ADVANCE	-	WALL MOUNT	KITCHEN FIXTURES ARE INCLUDED FOR REFERENCE ONLY. REFER TO DWG A-507 FOR MORE INFORMATION.
3A	COMPARTMENT SINK	-	-	1/2"	1/2"	HOBART	-	WALL MOUNT	KITCHEN FIXTURES ARE INCLUDED FOR REFERENCE ONLY. REFER TO DWG A-507 FOR MORE INFORMATION.

NOTES: 1. REFER TO ARCH DRAWINGS FOR ADA MOUNTING HEIGHTS. 2. PROVIDE INSULATION ON EXPOSED PIPING AND P-TRAPS.

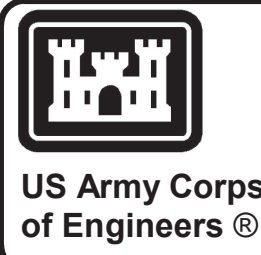
### TRAP PRIMER

TAG NO.	LOCATION	EQUIPMENT SERVED	INLET	OUTLET	POWER			MANUFACTURER	NOTES
					WATTS	VA	V/PH/Hz		
TP-1	MEN SHOWER / LOCKER	PLUMBING FIXTURES	1/2"	1/2"	6.3	8.8 HOLDING 12.1 IN RUSH	120/1/60	PRECISION PLUMBING PRODUCTS	1,2
TP-2	MEN SHOWER / LOCKER	PLUMBING FIXTURES	1/2"	1/2"	6.3	8.8 HOLDING 12.1 IN RUSH	120/1/60	PRECISION PLUMBING PRODUCTS	1,2
TP-3	WOMEN SHOWER / LOCKER	PLUMBING FIXTURES	1/2"	1/2"	6.3	8.8 HOLDING 12.1 IN RUSH	120/1/60	PRECISION PLUMBING PRODUCTS	1,2
TP-4	WOMEN SHOWER / LOCKER	PLUMBING FIXTURES	1/2"	1/2"	6.3	8.8 HOLDING 12.1 IN RUSH	120/1/60	PRECISION PLUMBING PRODUCTS	1,2
TP-5	ARMS VAULT	FLOOR DRAIN	1/2"	1/2"	6.3	8.8 HOLDING 12.1 IN RUSH	120/1/60	PRECISION PLUMBING PRODUCTS	1,2

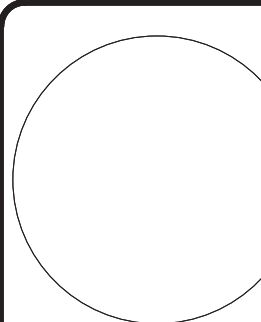
NOTES: 1. INCLUDE DISTRIBUTION UNITS, DU SERIES. 2. 16 GAUGE STEEL ACCESS DOOR

### DRAIN PUMP SCHEDULE

TAG NO.	LOCATION	MANUFACTURER	MODEL	HP	AMPS	VOLTS	PHASE	DISCHARGE HEAD (FT)	GPM
DP-1	BREAK ROOM	ZOELLER	131	1/2	9.4	115	1	20	25



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SEAL AND SIGNATURE

DATE

NY LIC. NO. 06493

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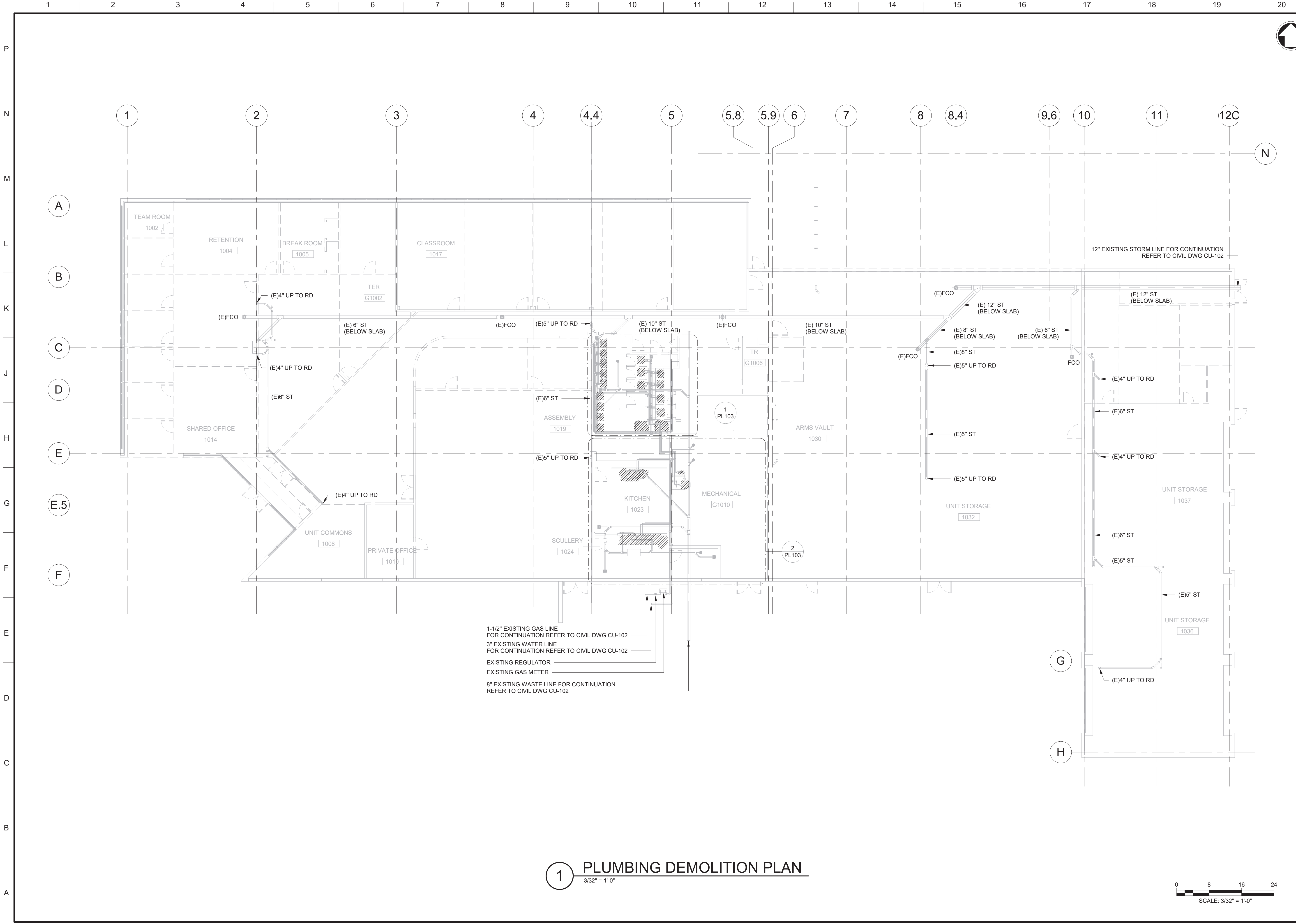
UNITED STATES ARMY RESERVE CENTER  
ORANGEBURG, NEW YORK

PLUMBING - SCHEDULES

SHEET ID

PL002





1-1/2" EXISTING GAS LINE  
FOR CONTINUATION REFER TO CIVIL DWG CU-102

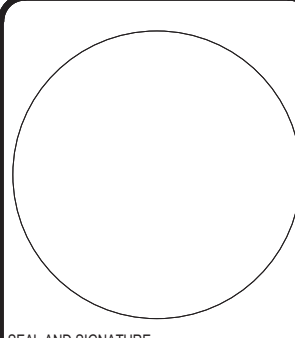
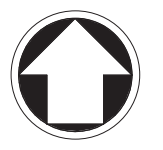
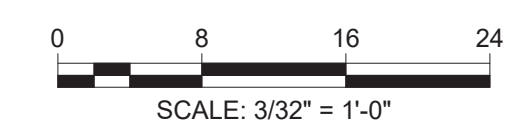
3" EXISTING WATER LINE  
FOR CONTINUATION REFER TO CIVIL DWG CU-102

EXISTING REGULATOR

EXISTING GAS METER

8" EXISTING WASTE LINE FOR CONTINUATION  
REFER TO CIVIL DWG CU-102

**1 PLUMBING DEMOLITION PLAN**  
3/32" = 1'-0"



SEAL AND SIGNATURE  
DATE

CLUMP RESOUR  
NY LIC. NO. 06493

MARK	DESCRIPTION

ISSUE DATE: 26 APRIL 2021	SOLICITATION NO.: W912Q2R038	CONTRACT NO.: W912Q2R038
DESIGNED BY: RJ	DRAWN BY: VS	CHECKED BY: CPK
US ARMY CORPS OF ENGINEERS LOUISVILLE DISTRICT LOUISVILLE, KY		111 Wood Avenue Iselin, NJ 08830-4112 United States of America T. + 732-760-6565 F. + 732-577-0551 www.mtmacdonald.com

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LOUISVILLE DISTRICT  
LOUISVILLE, KY

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**PLUMBING - OVERALL DEMOLITION PLAN**

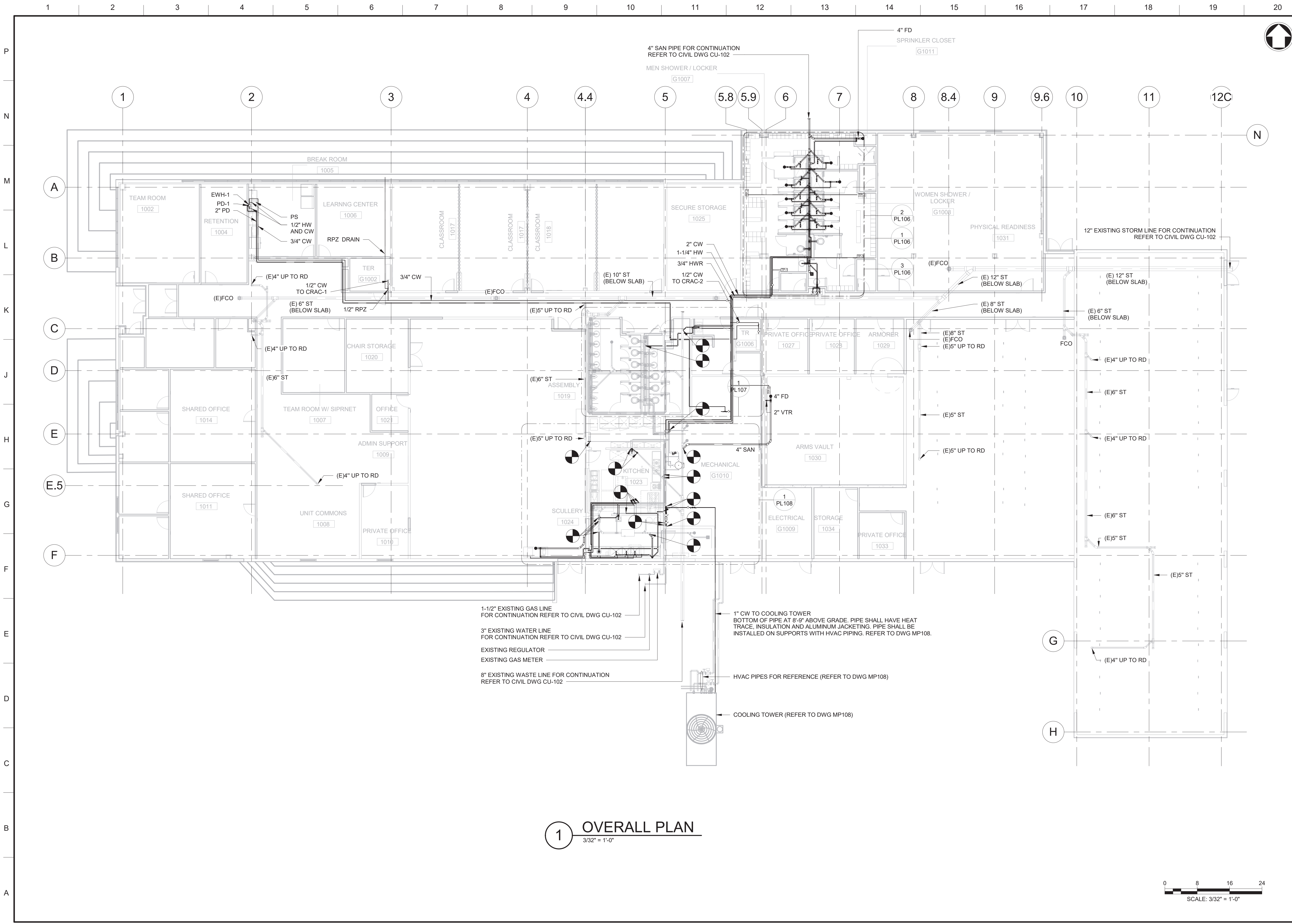
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**PL101**

CORRECTED FINAL SUBMISSION - JULY 29, 2021

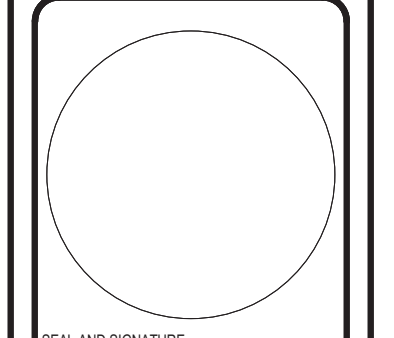
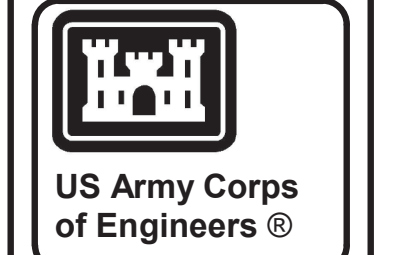
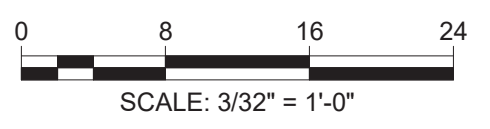








**1 OVERALL PLAN**  
3/32" = 1'-0"



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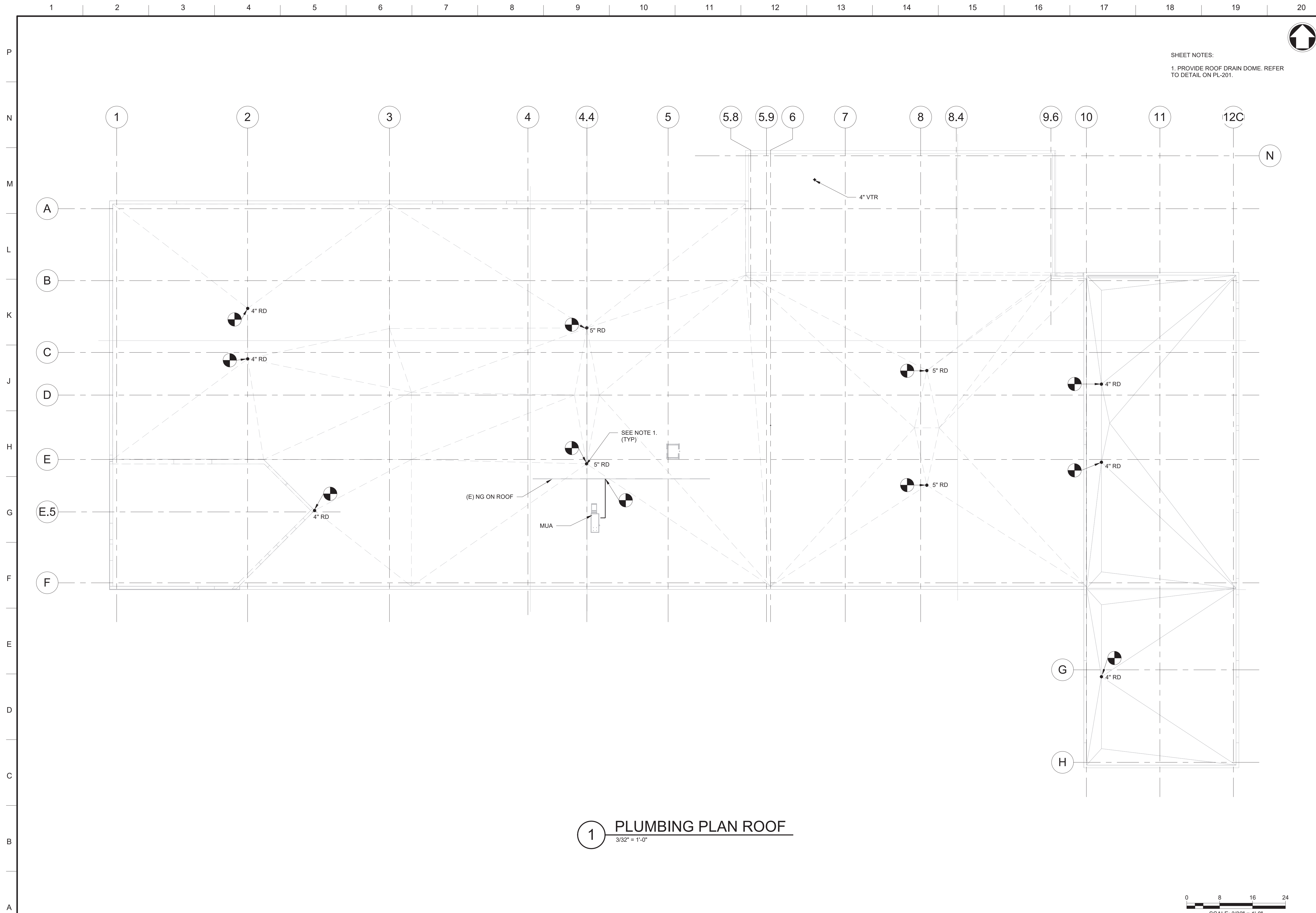
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US ARMY CORPS OF ENGINEERS LOUISVILLE DISTRICT LOUISVILLE, KY	111 Wood Avenue Iselin, NJ 08830-4112 United States of America T. + 732-760-6565 F. + 732-577-0551 www.mottmacdonald.com

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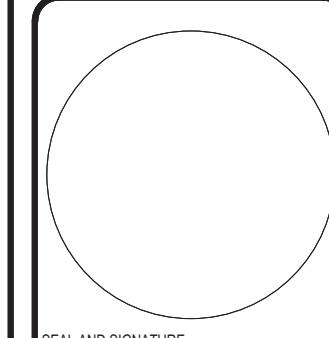
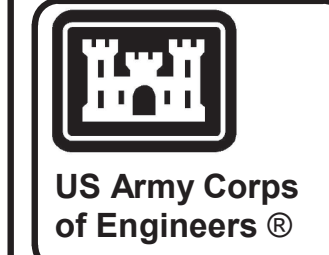
PLUMBING - OVERALL PLAN

SHEET ID  
**PL104**

CORRECTED FINAL SUBMISSION - JULY 29, 2021



SHEET NOTES:  
 1. PROVIDE ROOF DRAIN DOME. REFER TO DETAIL ON PL-201.



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 COLUMN NUMBER DATE  
 NY LIC. NO. 06493

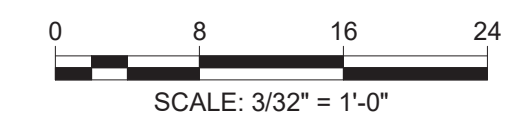
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ISSUE DATE: 26 APRIL 2021	SOLICITATION NO.: W912Q2R0C038	CONTRACT NO.: W912Q2R0C038
DESIGNED BY: RJ	DRAWN BY: VS	CHECKED BY: CPK
US ARMY CORPS OF ENGINEERS LOUISVILLE DISTRICT LOUISVILLE, KY	111 Wood Avenue Iselin NJ 08830-4112 United States of America T. + 732-760-6565 F. + 732-577-0551 www.mottmacdonald.com	111 Wood Avenue Iselin NJ 08830-4112 United States of America T. + 732-760-6565 F. + 732-577-0551 www.mottmacdonald.com
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 ORANGEBURG, NEW YORK  
 PLUMBING ROOF PLAN

SHEET ID  
**PL105**

**1** PLUMBING PLAN ROOF  
 3/32" = 1'-0"



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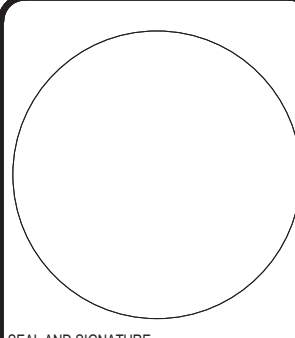


SHEET NOTES:

- FOR INFORMATION ON PLUMBING FIXTURES IN THE KITCHEN REFER TO ARCH DWG A-506
- CUT FLOOR SLAB TO INSTALL BELOW SLAB PIPE. PATCH FLOOR SLAB TO MATCH EXISTING.



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SEAL AND SIGNATURE DATE

COLUMBIA REGION NY LIC. NO. 06493

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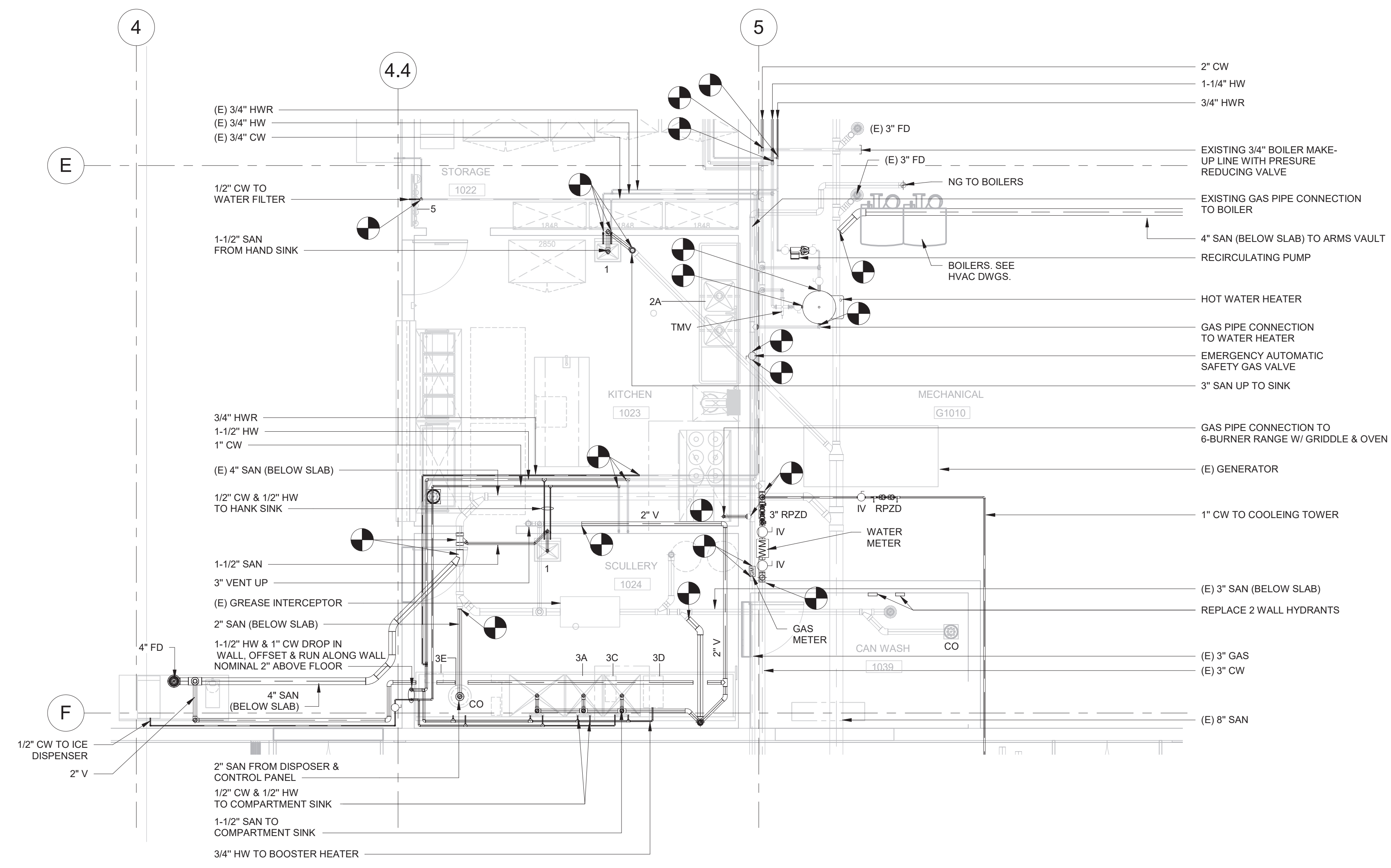
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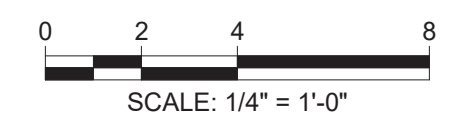
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DESCRIPTION



**1** EXISTING KITCHEN AND MECHANICAL ROOM - PLUMBING ENLARGED PLAN  
1/4" = 1'-0"



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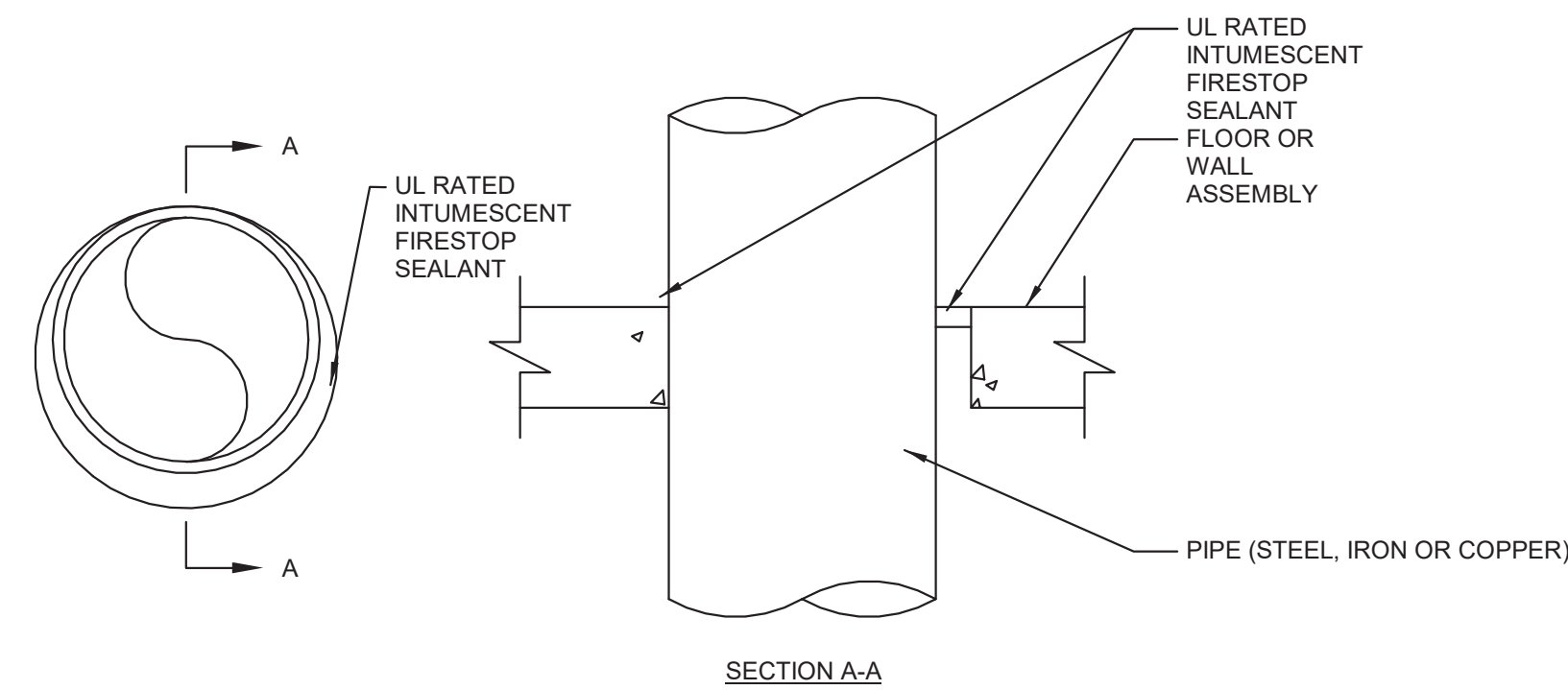
PLUMBING - ENLARGE PLAN - 03

SHEET ID  
**PL108**

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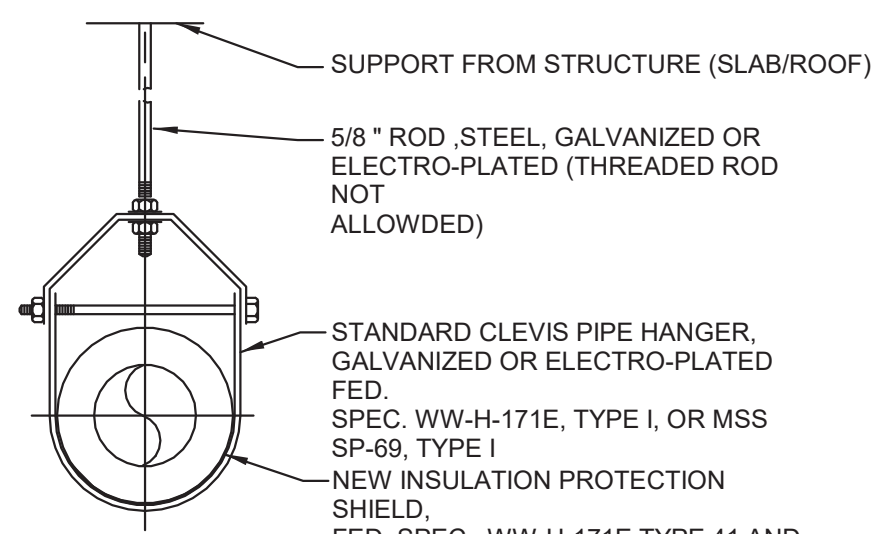
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PIPE PENETRATION (PER UL NO. C-AJ-1291)

NTS

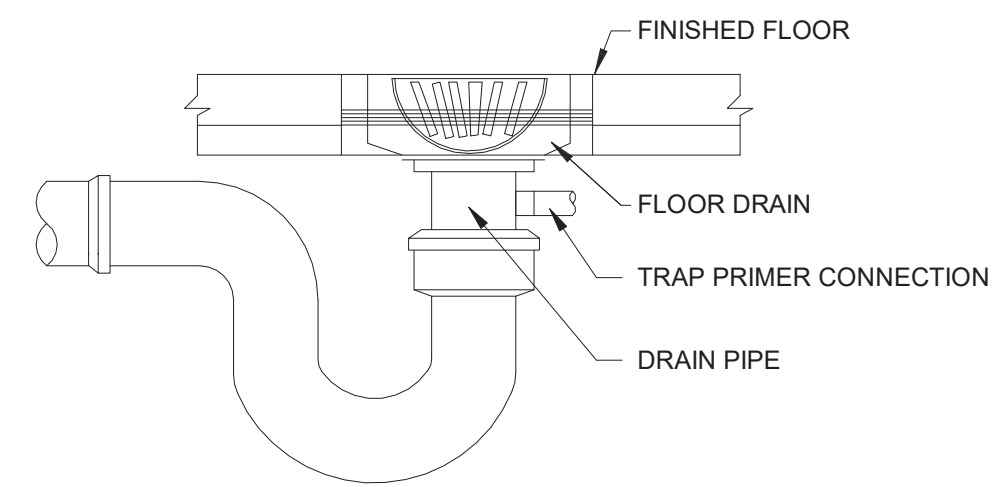
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CEILING HUNG CLEVIS HANGER FOR INSULATED PIPE

NTS

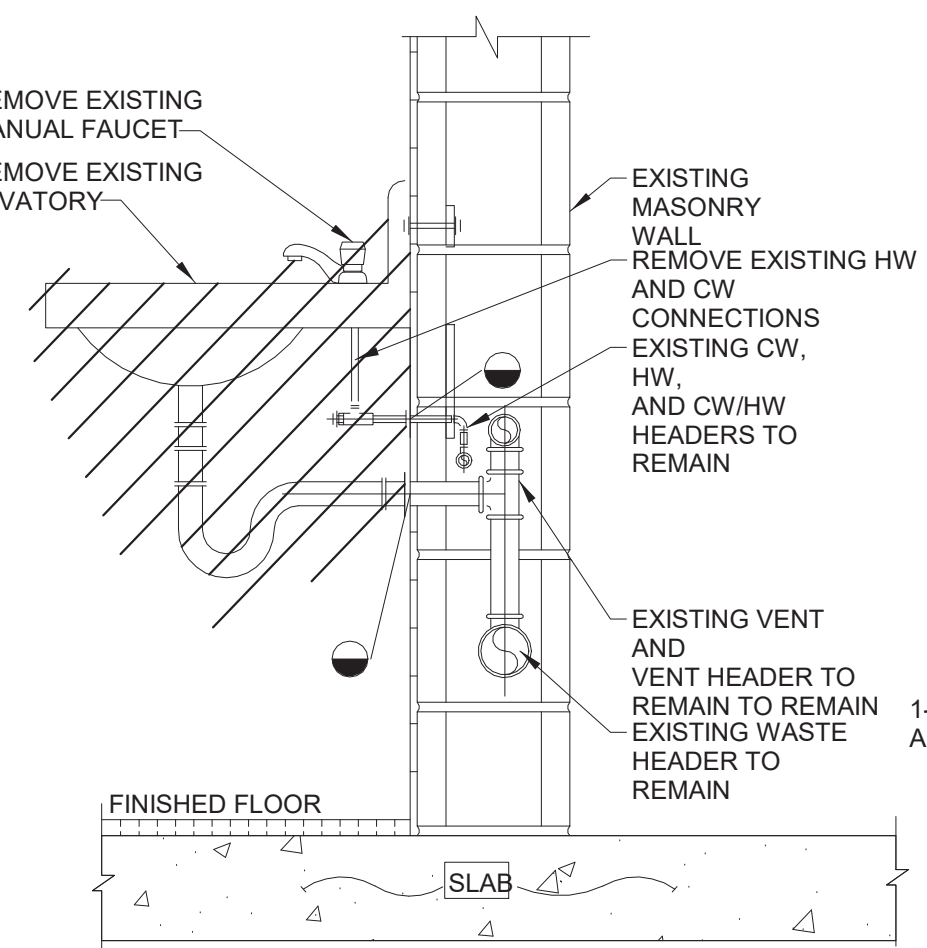
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FLOOR DRAIN DETAIL

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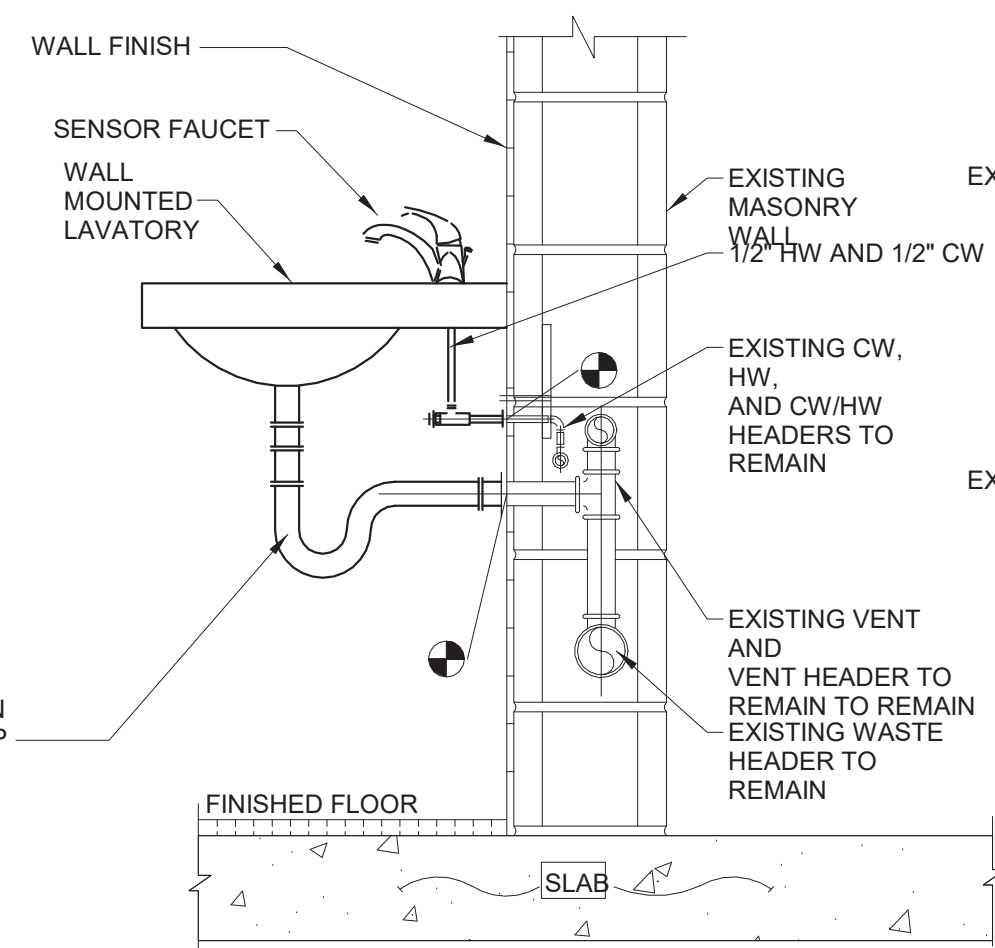
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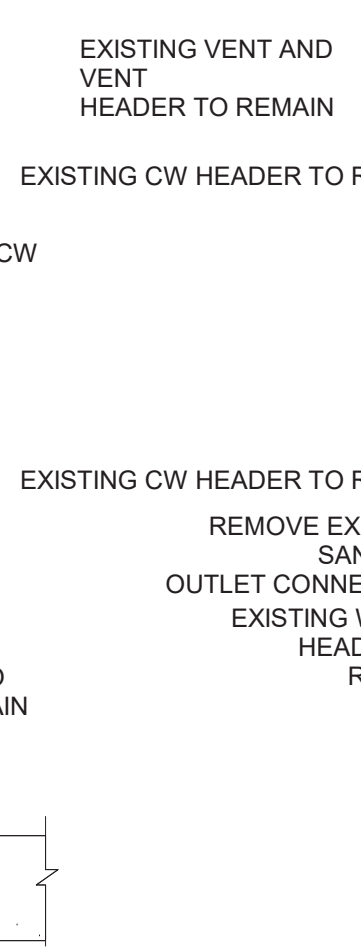
TYPICAL LAVATORY/SINK MODIFICATIONS

NTS

4



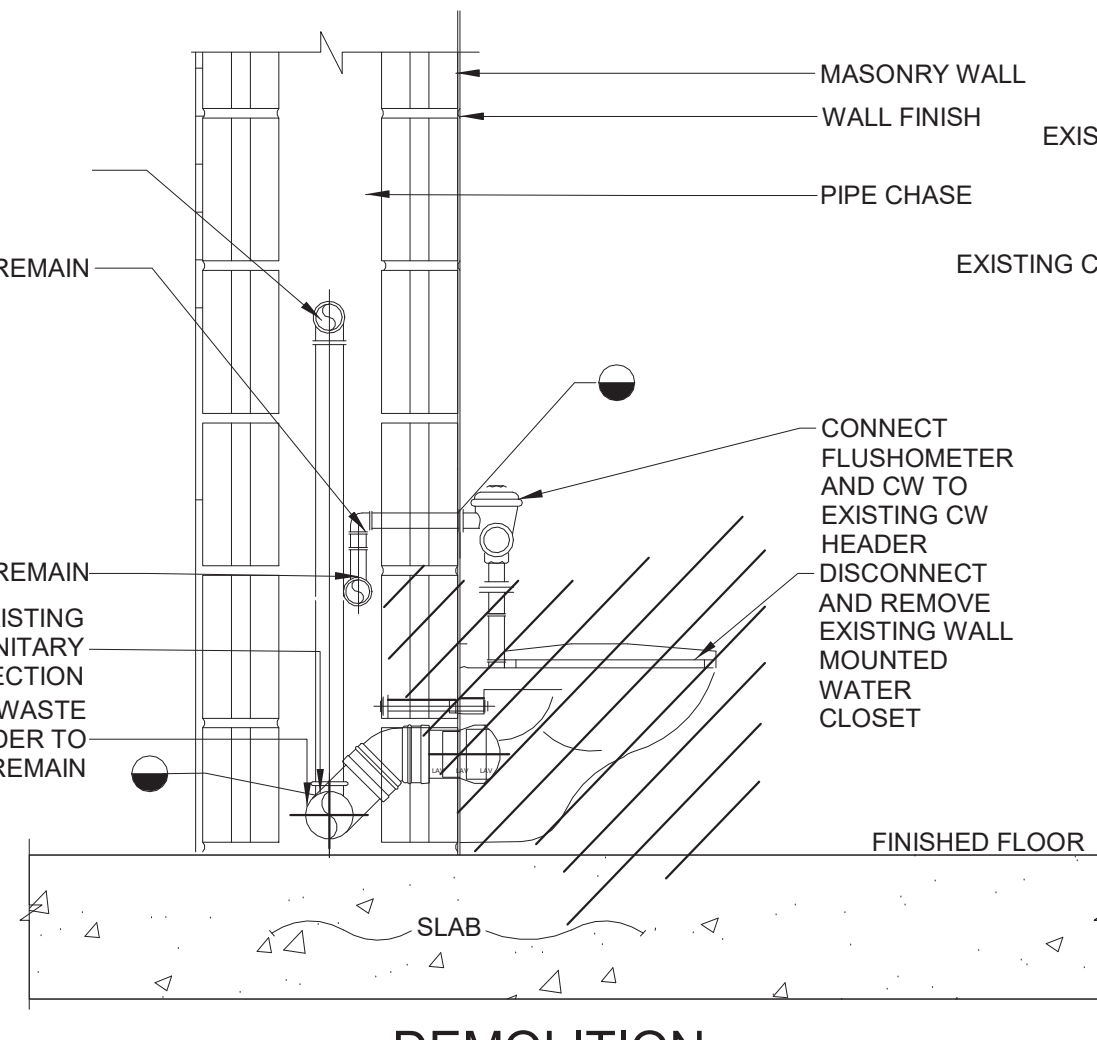
NEW



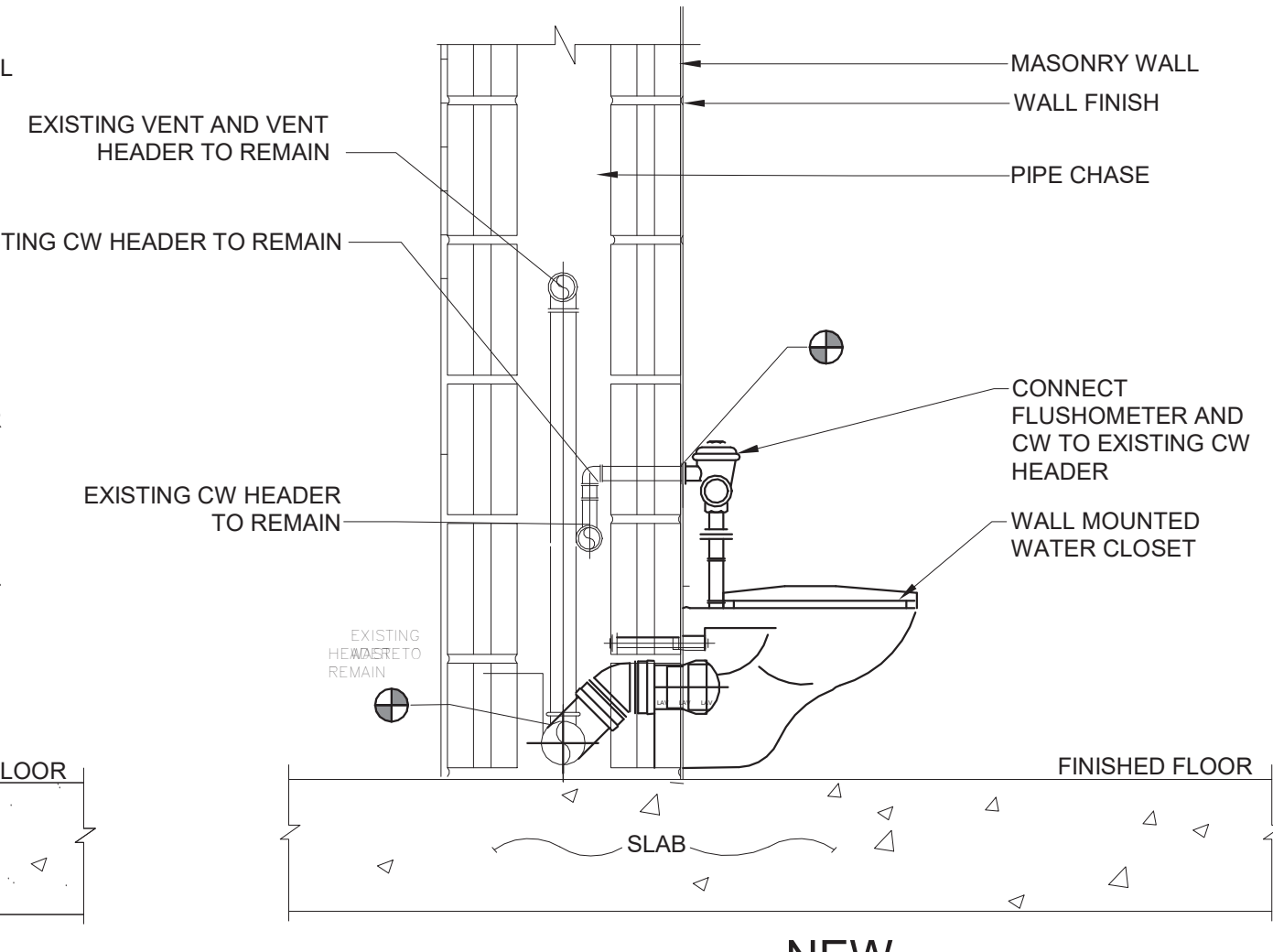
PROPOSED WATER CLOSET REPLACEMENT CONFIGURATION

NTS

5



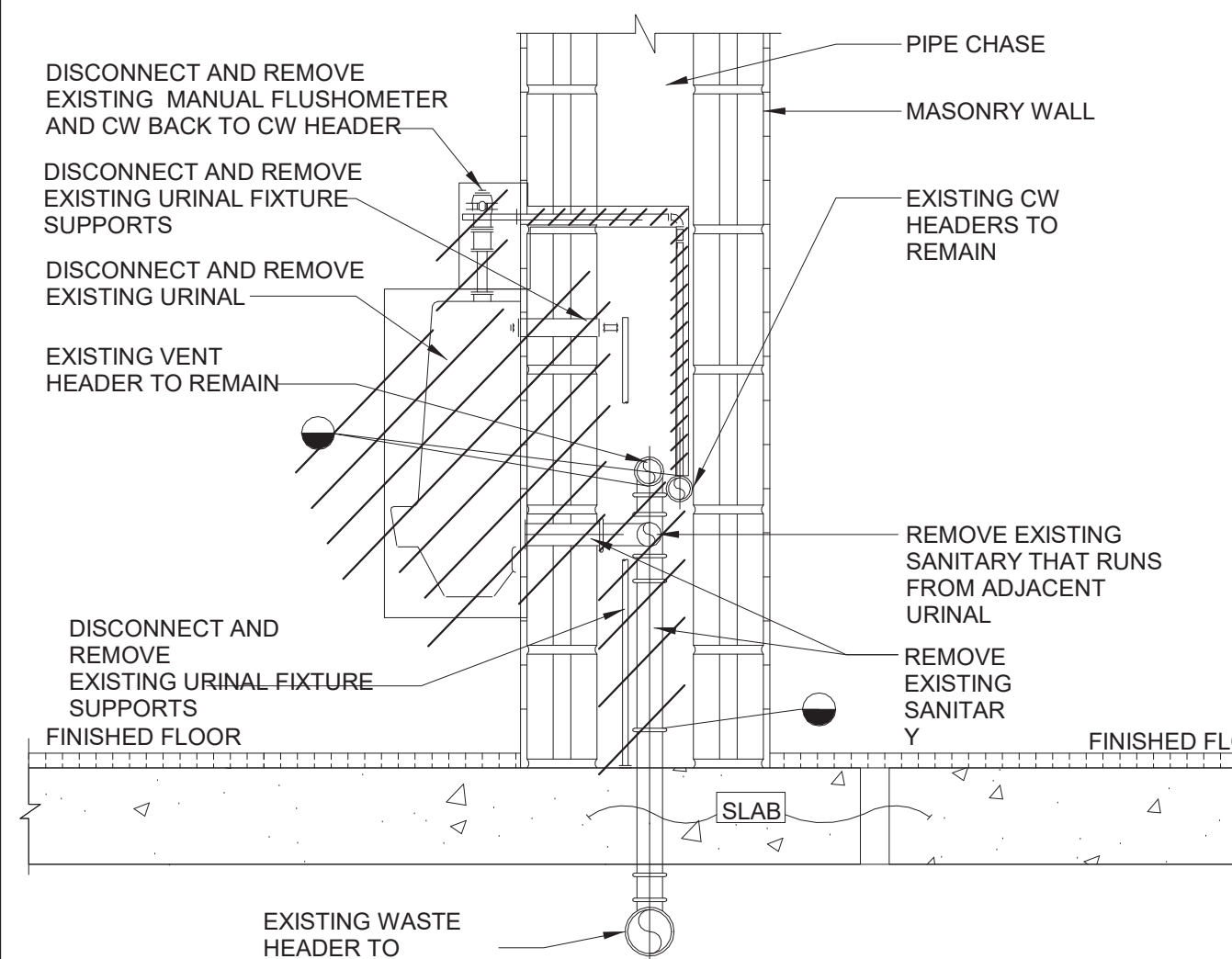
NEW



ROOF DRAIN REPLACEMENT DETAIL

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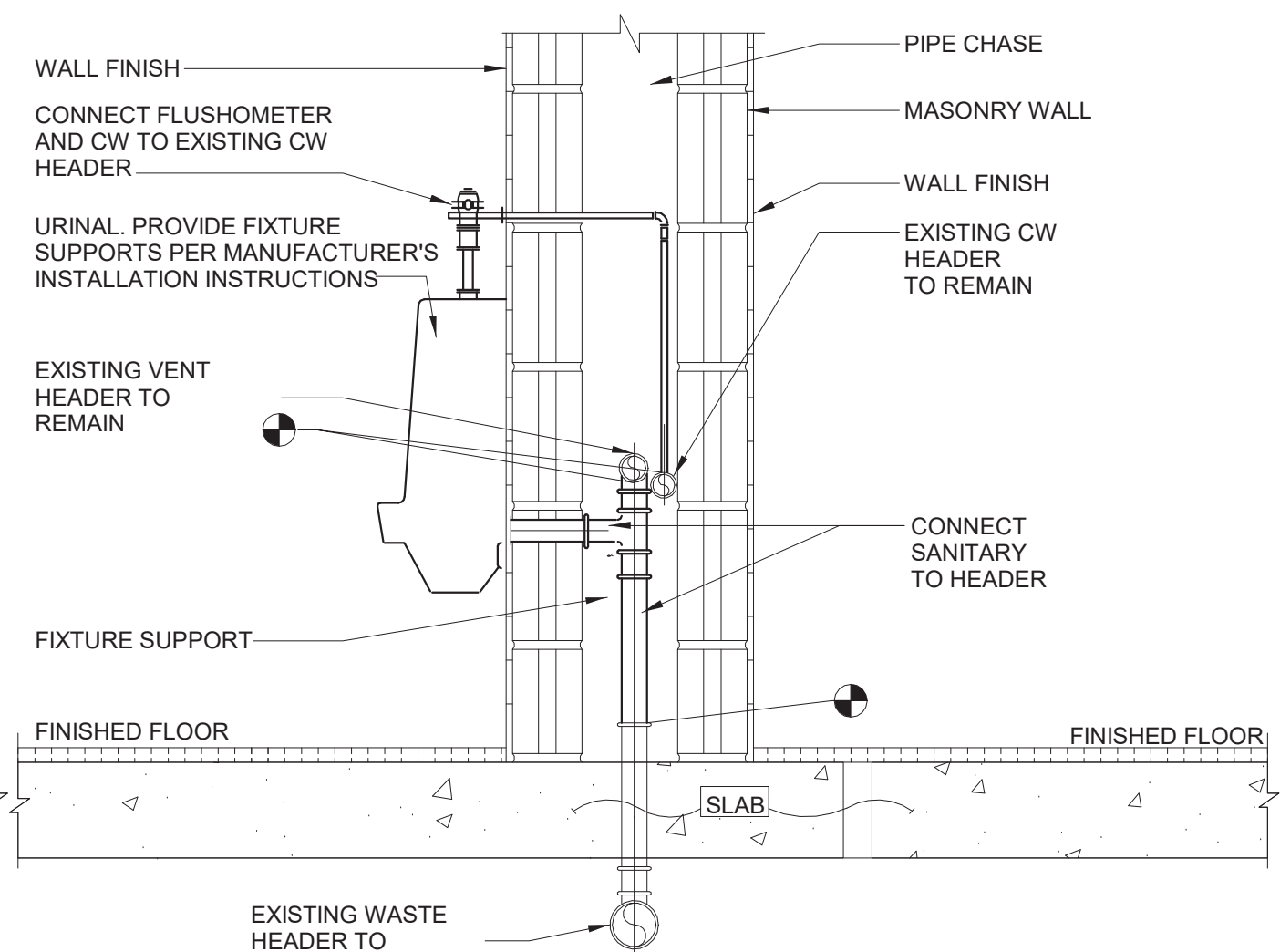
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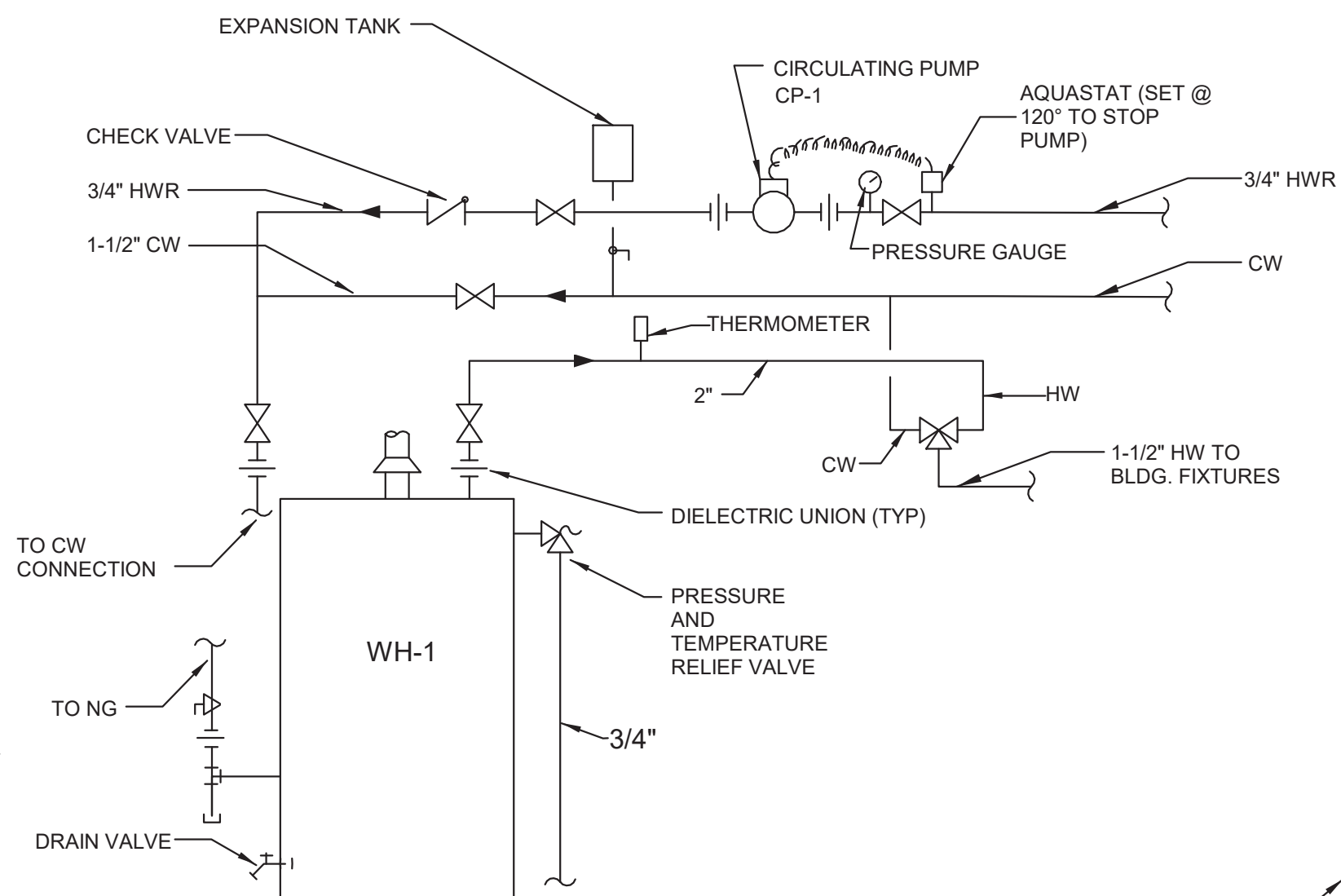
PROPOSED URINAL REPLACEMENT CONFIGURATION

NTS

7



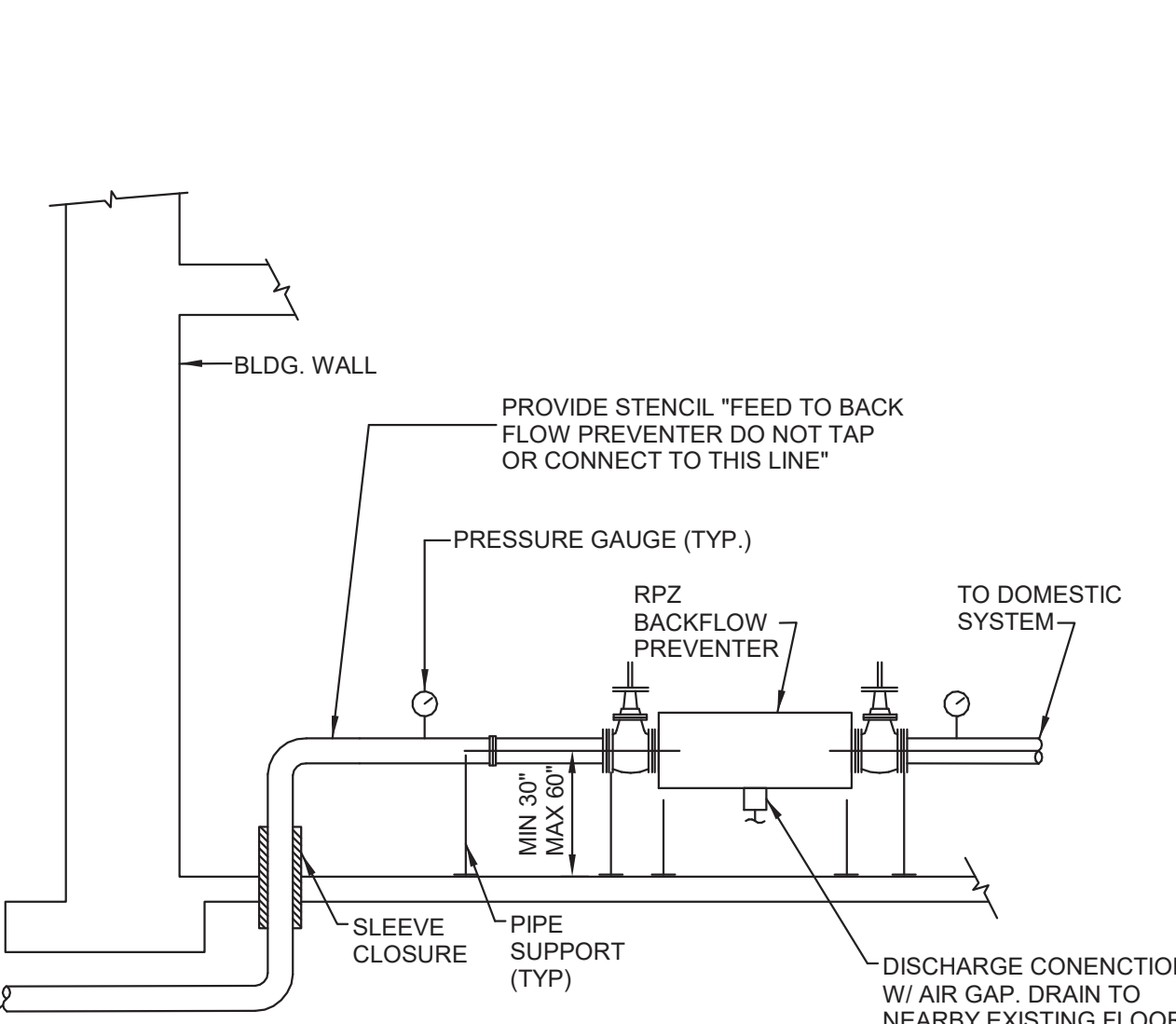
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WATER HEATER DETAIL

NTS

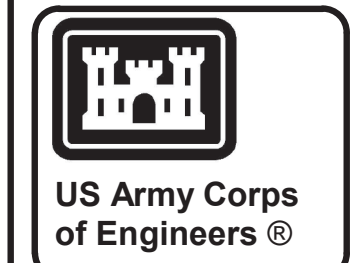
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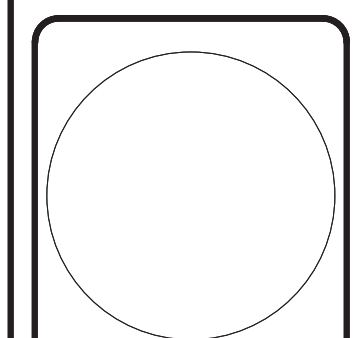
BACKFLOW PREVENTER (DOMESTIC WATER SERVICE) DETAIL

NTS

9



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DATE	DESCRIPTION	MARK

ISSUE DATE: 26 APRIL 2021	SOLICITATION NO. NO. 12Q2R038	CONTRACT NO. NO. 12Q2R038
DESIGNED BY:	DRAWN BY:	CHECKED BY:

US ARMY CORPS OF ENGINEERS  
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LOUISVILLE, KY

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ORANGEBURG, NEW YORK

PLUMBING - TYPICAL DETAILS

SHEET ID  
PL201

CORRECTED FINAL SUBMISSION - JULY 29, 2021







