







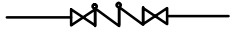


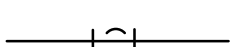
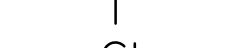
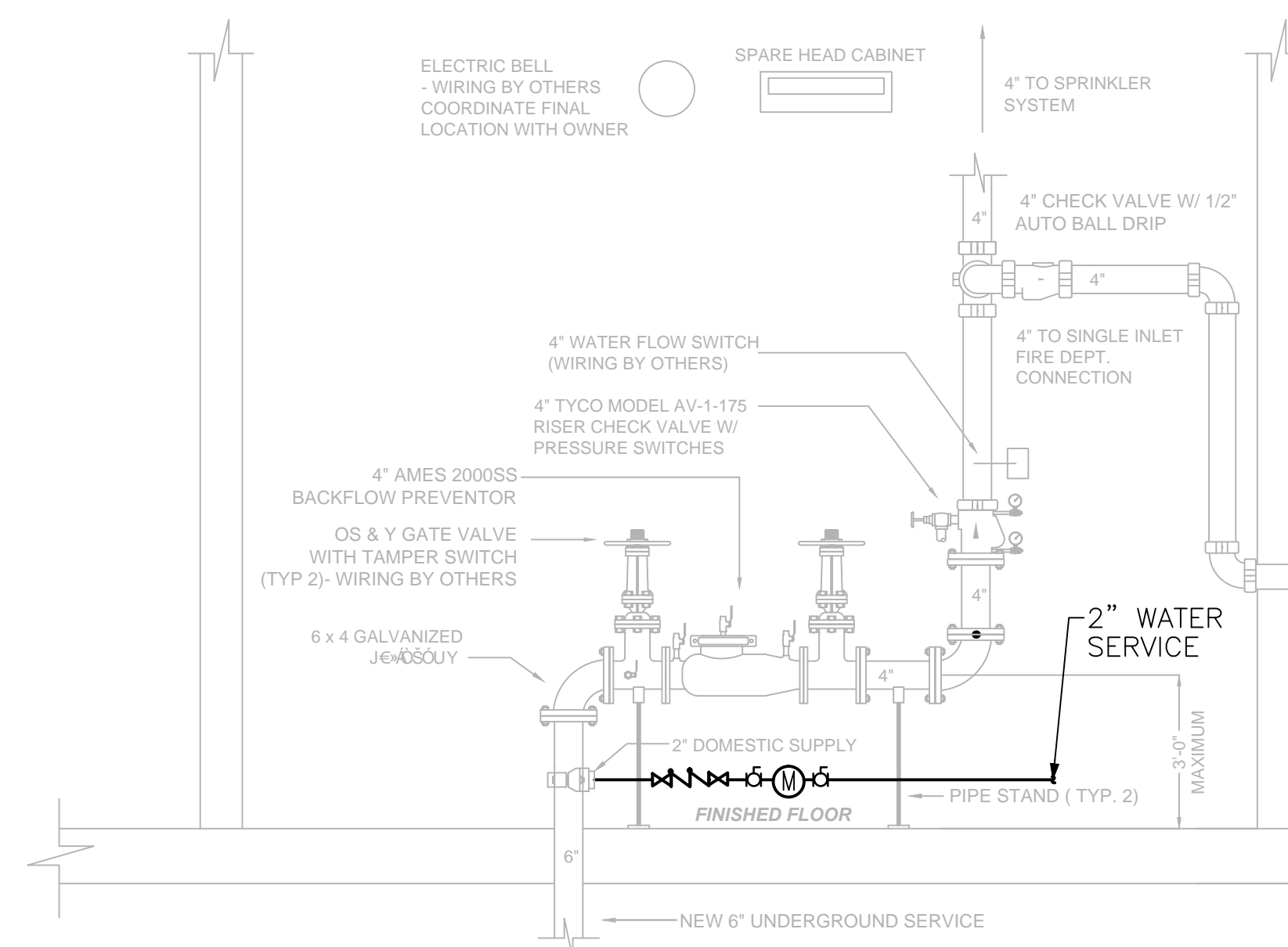


PLUMBING LEGEND AND ABBREVIATION

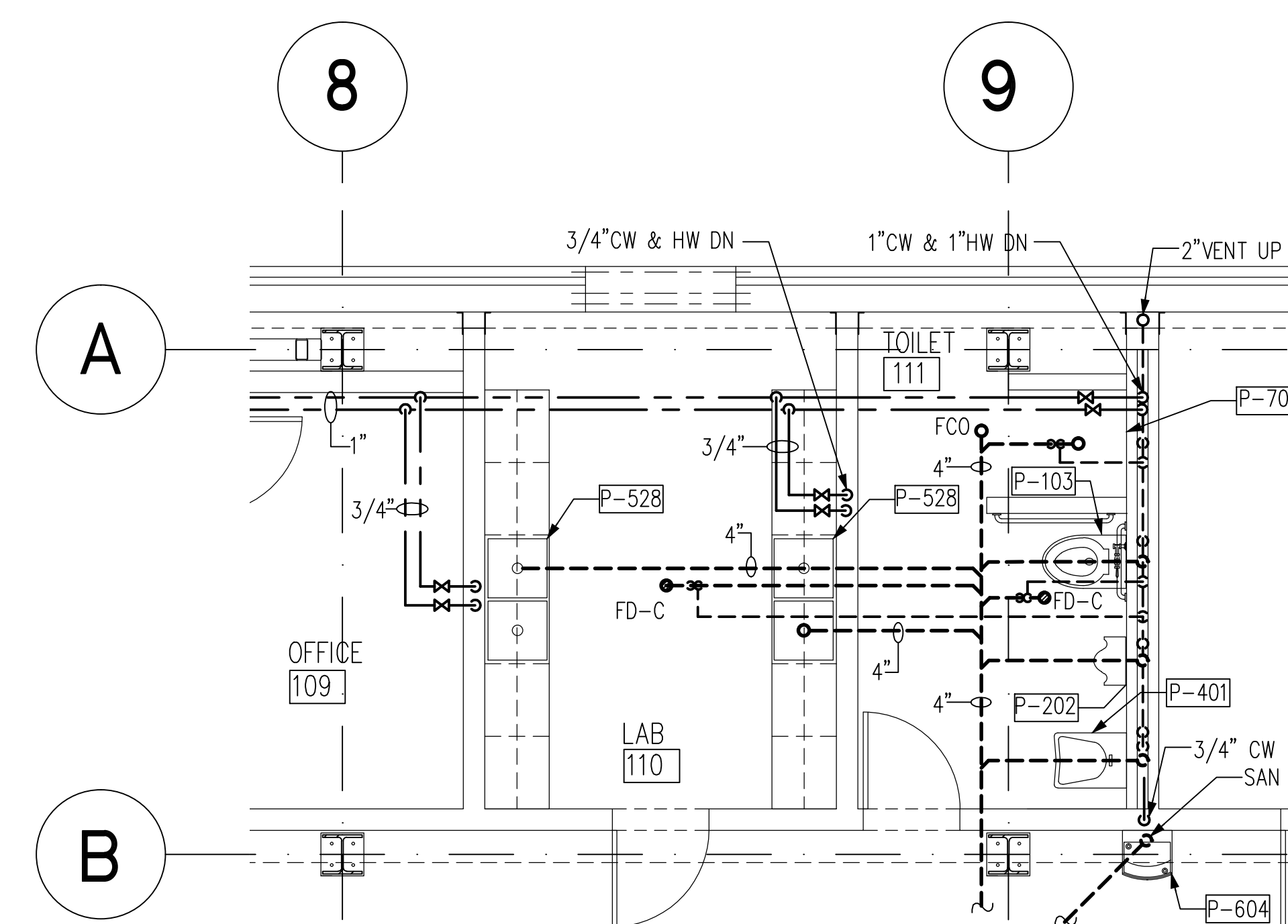
----	DOMESTIC COLD WATER
----	DOMESTIC HOT WATER
----	DOMESTIC HOT WATER RETURN
-----(T)----	TEMPERED WATER
-----	SANITARY SEWER
-----	VENT SANITARY
RCP	RECIRC PUMP
SP	SUMP PUMP
I.E	INVERT ELEVATION
VIR	VENT THRU ROOF
VB	VACUUM BREAKER
TDH	TOTAL DYNAMIC HEAD
	ISOLATION VALVE
	(FCO) FLOOR CLEAN OUT
	FD (FLOOR DRAIN)
	WALL HYDRANT
	HOSE BIBB
	WATER METER
	BALANCING VALVE
	POINT OF CONNECTION
	(RPZ) BACKFLOW PREVENTER
	SHUT-OFF VALVE
	TEE (TOP)
	TEE (BOTTOM)
	PIPE DOWN

SPECIAL NOTES:

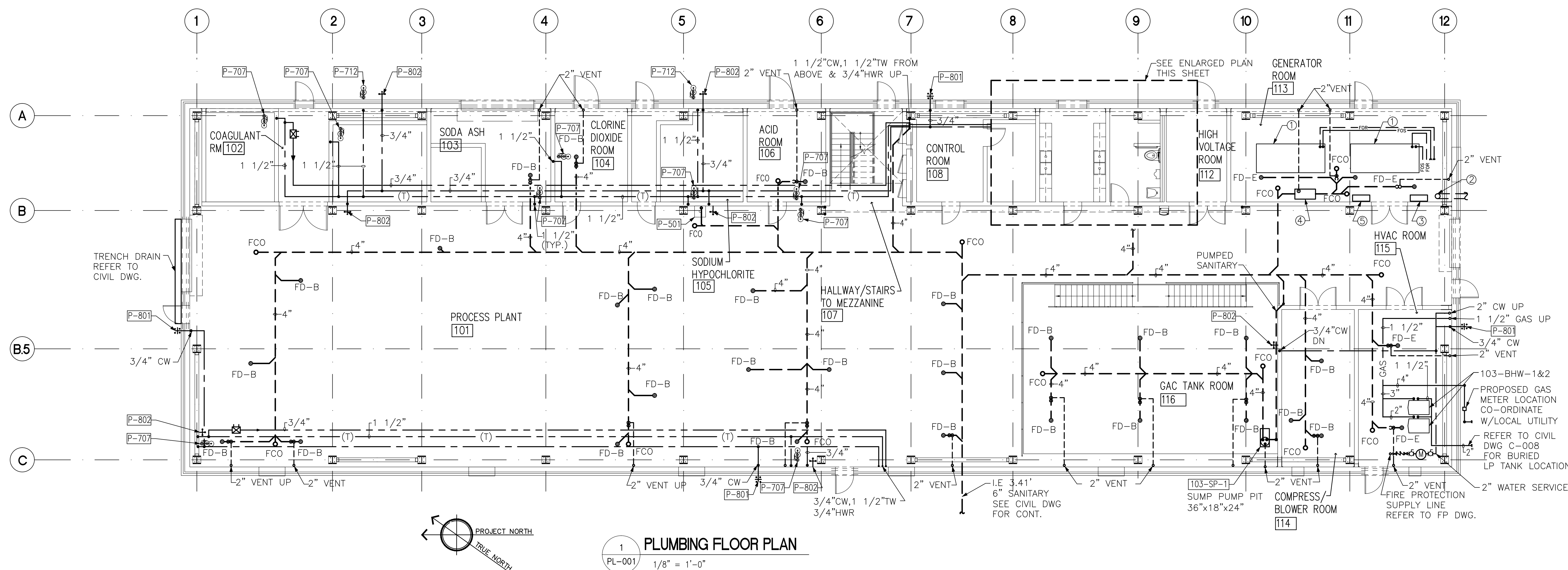
1. GENERATOR DAY TANK WITH INTEGRAL TRANSFER PUMPS.
2. TWO 1" FUEL OIL SUPPLY, 1" FUEL OIL RETURN FOR GENERATOR 3/4" FUEL OIL SUPPLY, 3/4" FUEL OIL RETURN FOR FUEL QUALITY MAINTENANCE SYSTEM REFER TO SHT PL-004 FOR CONTINUATION. ALL BELOW GRADE PIPING ENCLOSED IN SECONDARY CONTAINMENT SYSTEM.
3. FUEL QUALITY MAINTENANCE SYSTEM, EXTEND FUEL OIL SUPPLY AND FUEL OIL RETURN TO STORAGE TANK IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
4. OIL INTERCEPTOR
5. FUEL LEAK DETECTION AND LEVEL MONITORING SYSTEM.



3 VALVE ROOM DETAIL
PL-001 NTS



2 ENLARGED FLOOR PLAN
PL-001 1/4" = 1'-0"



1 PLUMBING FLOOR PLAN
PL-001 1/8" = 1'-0"

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR
APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL
ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 19708, EXPIRATION DATE: 07/13/16

Fully Sprinklered

[illegible]

DCS Infrastructure, LLC
3249 route 112, building 4 suite 1B
Medford, N.Y. 11763 631-320-1706



Approved:

Approved: Chief, Facilities and Engineering

Approved: Associate Chief for Maintenance And
Operations, Perry Point:

Approved: Engineering Projects Supervisor

Approved: Infection Control Officer

Drawing Title:
PLUMBING FLOOR PLAN

Approved: Associate Director for Operations

Approved: Director, Medical Center

Project Title:
**POTABLE WATER
SYSTEM IMPROVEMENTS - TIER 1**
PERRY POINT MD
VAMC

Scale:	Building No:	Checked:	Dra
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Location:
VAMC PERRY POINT, MD 21902

Date:

Project No.	512A5-13-32
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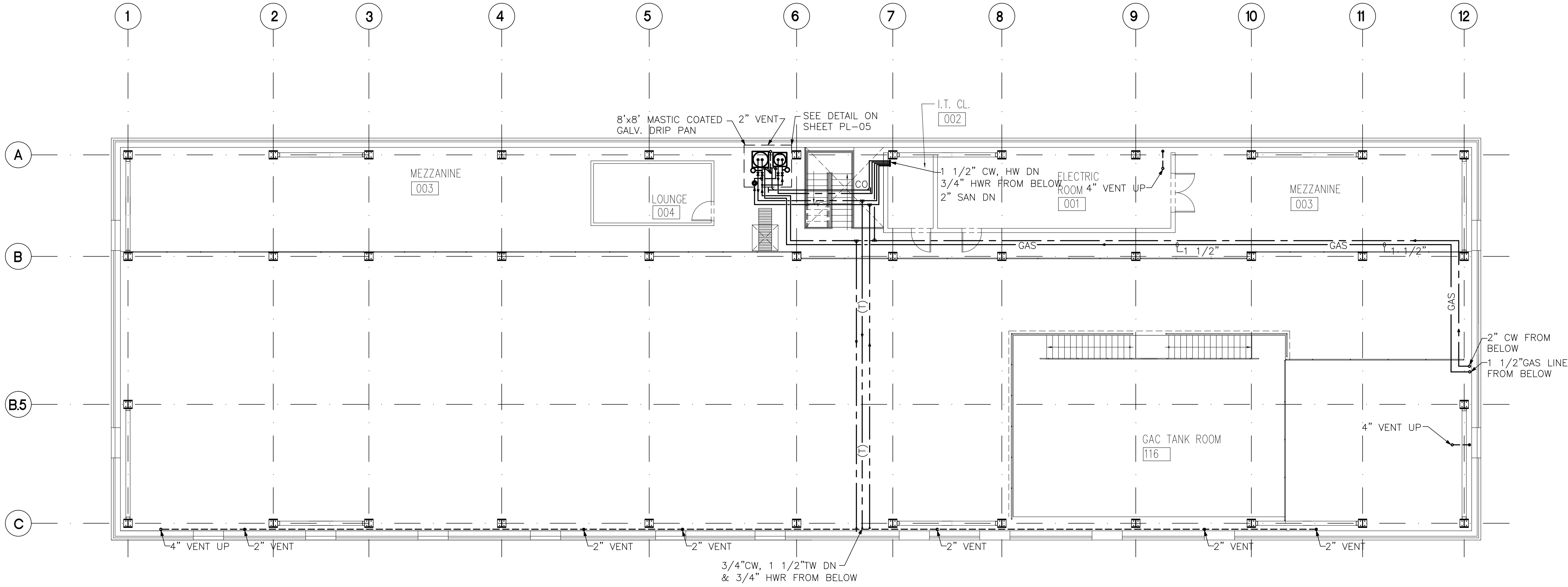
DRAWING NO:
PL-001

31 OF 124

100% Bid Documents, September 1, 2015

DEPARTMENT OF
VETERANS AFFAIRS

three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot
one half inch = one foot
three quarters inch = one foot
one inch = one foot
one and one half inch = one foot
three inches = one foot

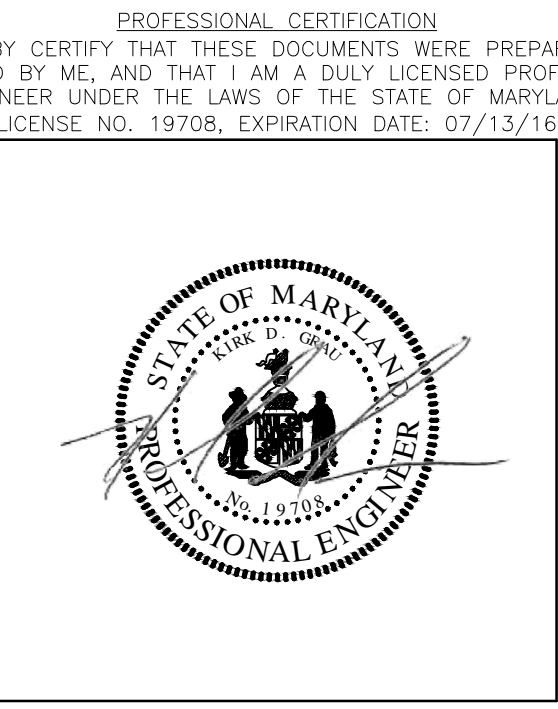


1 PLUMBING MEZZANINE FLOOR PLAN
P-002 1/8" = 1'-0"

Fully Sprinklered	
Additions:	Date:
Revisions:	

DCS Infrastructure, LLC
3249 route 112, building 4 suite 1B
Medford, N.Y. 11763
631-320-1706

Hatch Mott MacDonald



Approved:	Approved: Chief, Facilities and Engineering:
	Approved: Associate Chief for Maintenance And Operations, Perry Point:
	Approved: Engineering Projects Supervisor
	Approved: Infection Control Officer

Drawing Title:
PLUMBING MEZZANINE FLOOR PLAN
Approved: Associate Director for Operations:
Approved: Director, Medical Center:

Project Title:			
POTABLE WATER SYSTEM IMPROVEMENTS - TIER 1			
PERRY POINT MD VAMC			
Scale:	Building No:	Checked:	Drawn:
	103	KG	SAM
Location:			
VAMC PERRY POINT, MD 21902			

Date:
9/1/2015
Project No:
512A5-13-329
DRAWING NO:
PL-002
32 OF 124





GAS LINE SIZING : GAS LINES HAVE BEEN SIZED
AS PER TABLE 402.4(1) OF THE INTERNATIONAL FUEL GAS CODE
INLET PRESSURE LESS THAN 2 PSI AND A PRESSURE DROP OF
0.3" WATER COLUMN AND 0.60 SPECIFIC GRAVITY



<i>Additions:</i>	<i>Date:</i>
<i>Revisions:</i>	

 Hatch Mott MacDonald


Approved: Associate Chief for Maintenance And Operations, Perry Point:
Approved: Engineering Projects Supervisor
Approved: Infection Control Officer

Approved: Associate Director for Operations:

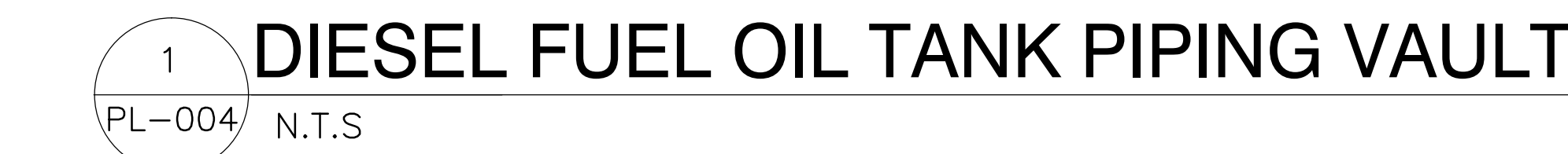
Approved: Director, Medical Center:

Scale:	Building No: 103	Checked: KG	Drawn: SAM
Location: VAMC PERRY POINT, MD 21902			

33 OF 124



DEPARTMENT OF
VETERANS AFFAIRS



PLUMBING FIXTURE SCHEDULE										
MARK	DESCRIPTION	WASTE PIPE IN	VENT PIPE IN	COLD WATER IN	HOT WATER IN	WASTE FIXTURE UNITS	WATER FIXTURE UNITS	WRIST FIXTURE UNITS	ELECTRIC SENSOR	REMARKS
P-103	WATER CLOSET WALL HUNG	3	2	1.25	N/A	6	5	N/A	NO	
P-202	URINAL WALL HUNG	2	1.5	.75	N/A	2	10	N/A	NO	
P-401	LAVATORY	2	1.5	.5	.5	2	2	N/A	NO	
P-501	MOP BASIN	3	2	.75	.75	3	4	N/A	NO	
P-528	SINK STAINLESS	3	2	.75	.75	3	4	N/A	NO	
P-604	ELECTRIC WATER COOLER	2	1.5	.5	-	1	1	N/A	NO	
P-701	SHOWER	2	1.5	.5	.5	2	2	N/A	NO	
P-705	THERMOSTATIC MIXING VALVE	N/A	N/A	N/A	N/A	N/A	3	N/A	NO	
P-707	EMERGENCY SHOWER	N/A	N/A	1.25	1.5	N/A	10	N/A	NO	
P-712	EMERGENCY SHOWER	N/A	N/A	1.25	1.5	N/A	10	N/A	NO	NOTE #1
P-801	WALL HYDRANT	N/A	N/A	.75	N/A	N/A	5	N/A	NO	
P-802	HOSE BIBB	N/A	N/A	.75	N/A	N/A	N/A	N/A	NO	
NOTE #1 PROVIDE FLOW ALARM WITH HORN STROBE AND CONTACT FOR REMOTE MONITOR										


PUMP SCHEDULE																		
MARK	LOCATION	AREA AND/OR BLDG SERVED	SYSTEM AND/OR SERVICE	TYPE	FLUID	CIRCULATING FLUID				SP.GR	MIN % EFF	ELECTRICAL MOTOR					REMARKS	
						FLOW	HEAD	NPSH AVAILABLE	TEMPERATURE			NOMINAL POWER	PHASE	VOLT	MAX RPM	SPEED CONTROL		
						GPM	FT	FT	F			HP						
103 RCP-1	MEZZANINE	BUILDING 103	EMERGENCY SHOWER	IN LINE	WATER	1/2	10	N/A	100	1.0	60	1/8	1	120	1775	N/A		
103 SP-1A 103 SP-1B	GAC	BUILDING 103	AREA DRAIN	SUMP	WATER	50	20	N/A	N/A	1.0	60	1/2	1	120	1775	N/A	PROVIDE DUPLEX CONTROL PANEL WITH LEAD/LAG/STAND/ALARM	
FMC-SP-1 FFC-SP-2	SITE	FLOW METER CHAMBER	AREA DRAIN	SUMP	WATER	50	20	N/A	N/A	1.0	60	1/2	1	120	1775	N/A	PROVIDE DUPLEX CONTROL PANEL WITH LEAD/LAG/STAND/ALARM	
103 SP-2A 103 SP-2B	DIESEL TANK SUMP PUMP	BUILDING 103	AREA DRAIN	SUMP	WATER	50	20	N/A	N/A	1.0	60	1/2	1	120	1775	N/A	PROVIDE DUPLEX CONTROL PANEL WITH LEAD/LAG/STAND/ALARM	

PROVIDE LOCKING TEMP REGULATORS
ASSEMBLY IN GUARDED BOX

DOMESTIC WATER EXPANSION TANK SCHEDULE										
MARK	LOCATION	TYPE	SYSTEM TEMPERATURE RANGE		INITIAL PRESSURE IN TANK	MAX OPERATING PRESSURE	RELIEF VALVE PSIG	MIN TANK VOLUME	MIN ACCEPT VOLUME	REMARKS
			MIN	MAX						
			F	F						
103 ET-1	MEZZANINE	EXPANSION TANK	45	140	50	80	N/A	2.4	.75	
103 ET-2	MEZZANINE	EXPANSION TANK	45	140	50	80	N/A	3.56	1.13	

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Medford, N.Y. 11763 631-320-1706

 Hatch Mott
MacDonald

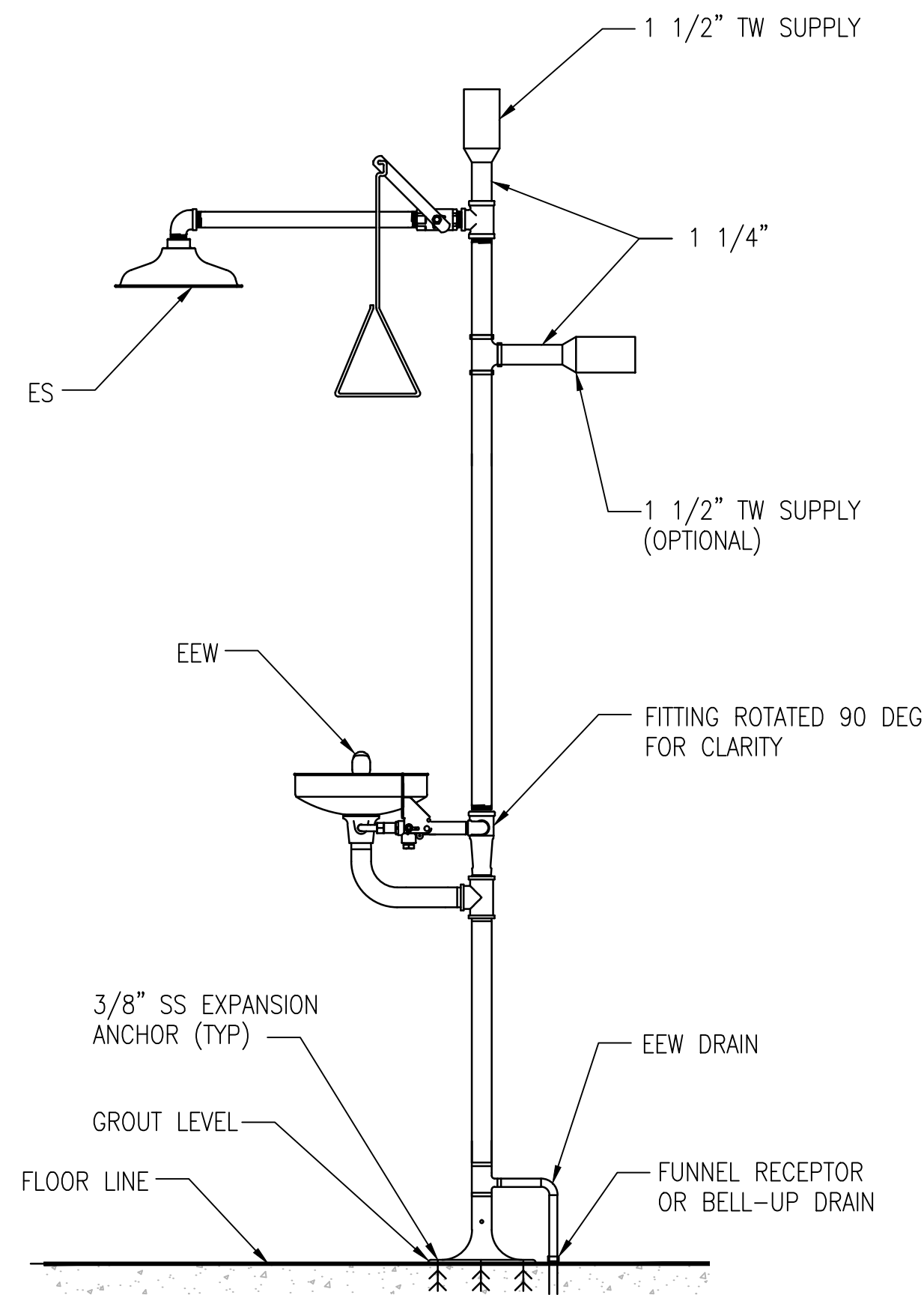


Drawing Title: PLUMBING SCHEDULES
Approved: Associate Director for Operations:
Approved: Director, Medical Center:

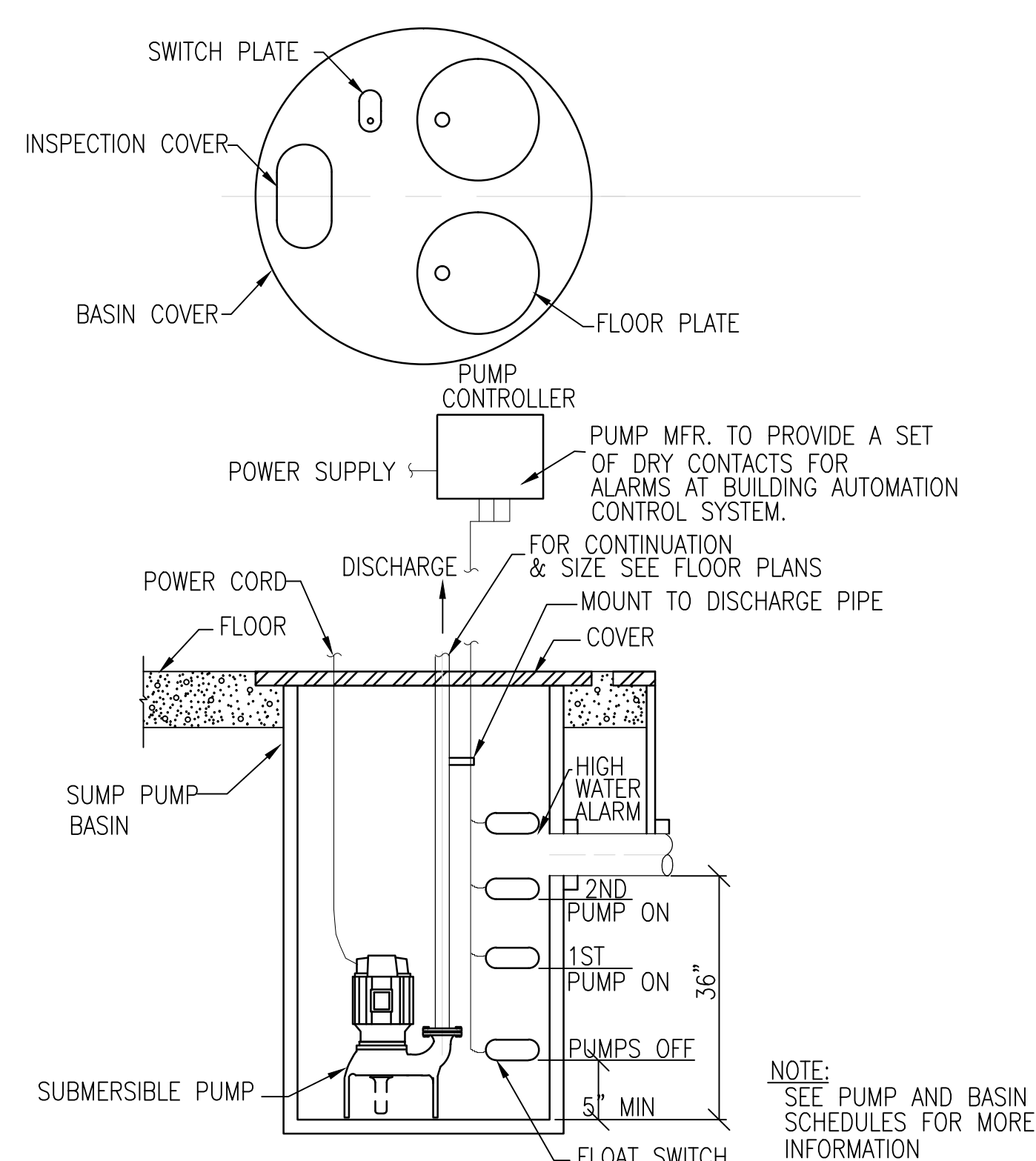
Project Title: POTABLE WATER SYSTEM IMPROVEMENTS - TIER 1 PERRY POINT MD VAMC				Date: 9/1/2015
				Project No: 512A5-13-329
Scale:	Building No. 103	Checked: KG	Drawn: SAM	DRAWING NO: PL-004
Location: VAMC PERRY POINT, MD 21902				34 OF 124

100% Bid Documents, September 1, 2015

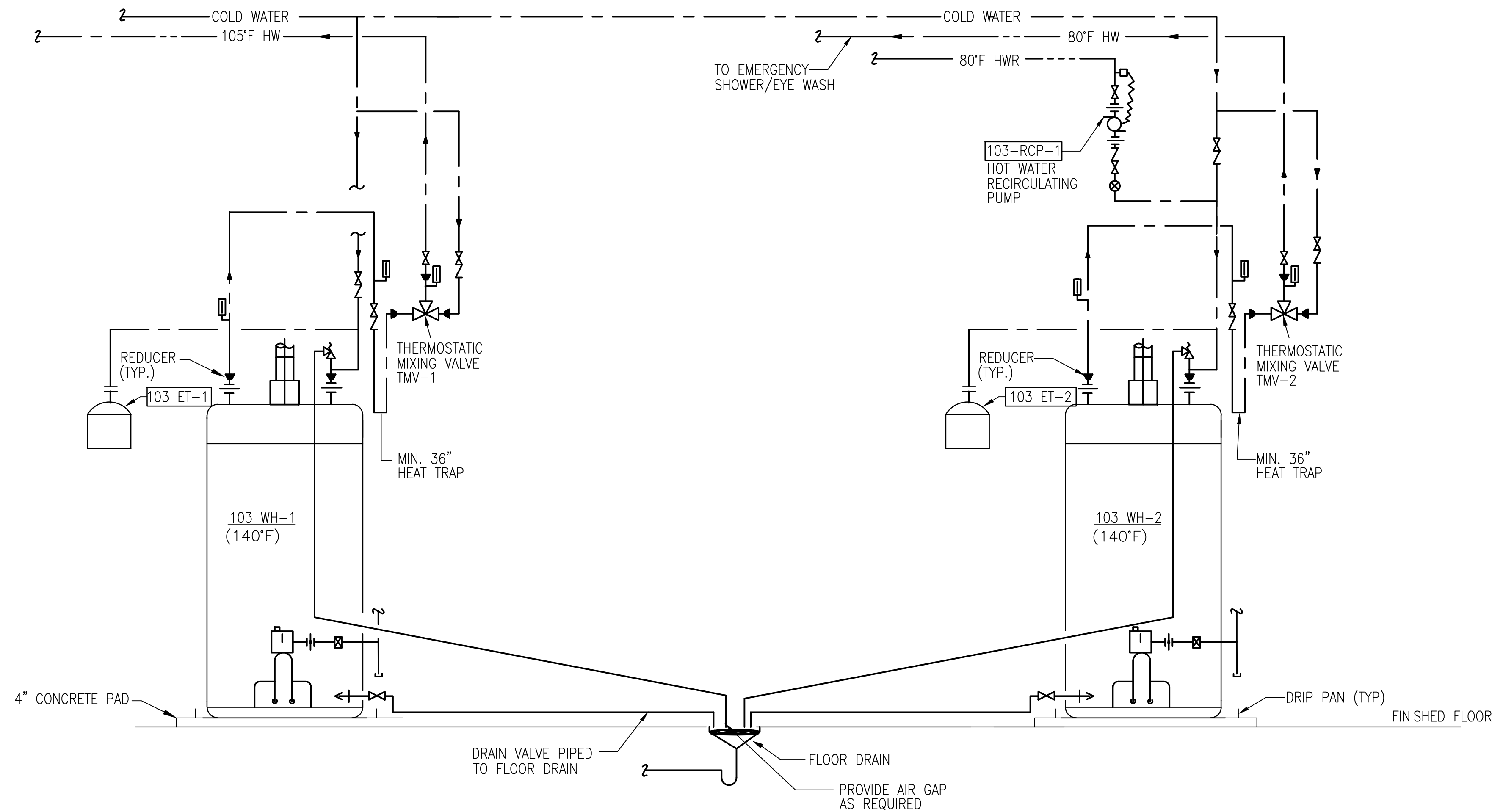
three inches = one foot
one and one half inch = one foot
one inch = one foot
three-quarters inch = one foot
one-half inch = one foot
three-eighths inch = one foot
one-quarter inch = one foot
one-eighth inch = one foot



1 EMERGENCY SHOWER AND EYE WASH DETAIL
PL-005 N.T.S.

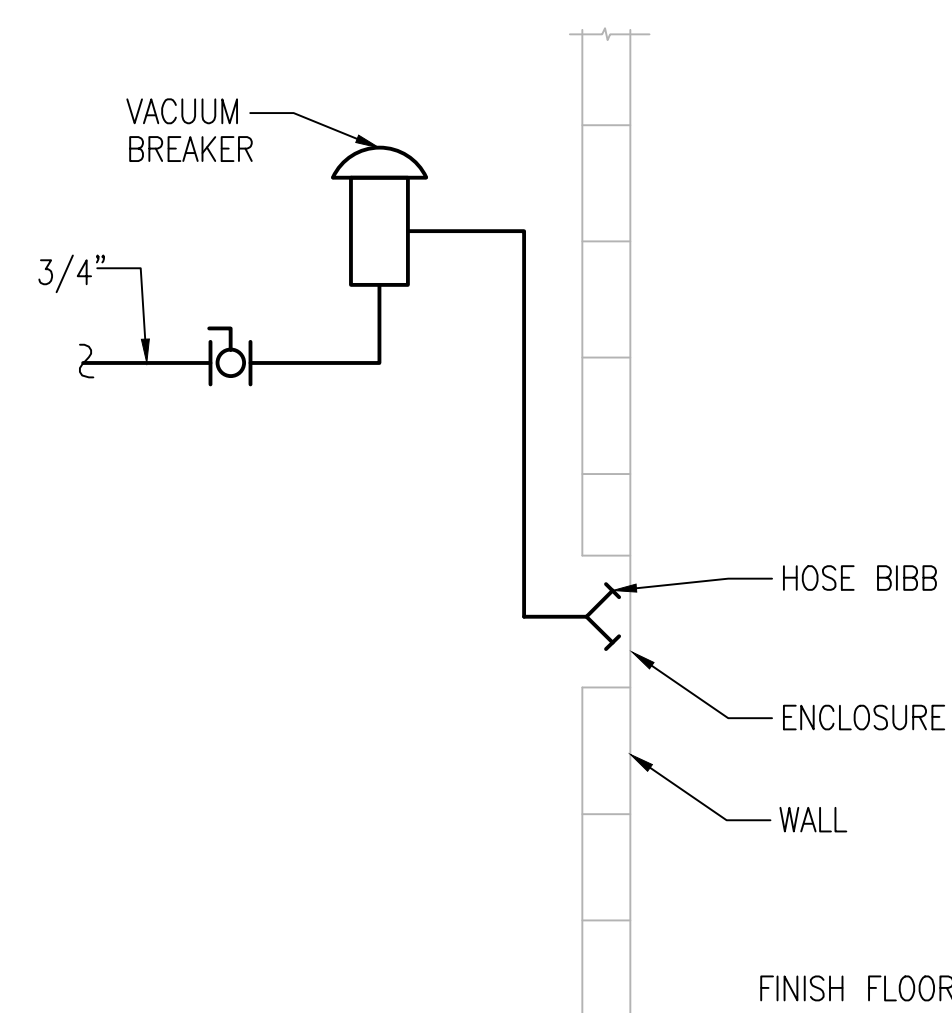


2 SUBMERSIBLE SUMP PUMP DETAIL
PL-005 N.T.S.

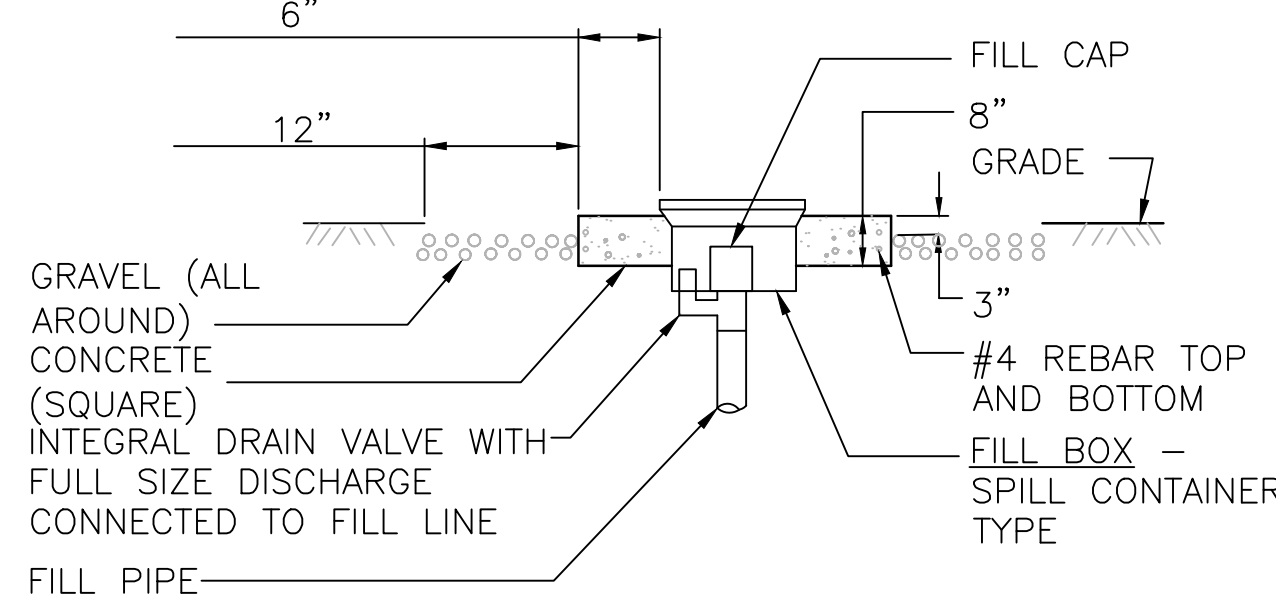


3 HOT WATER HEATER DETAIL
PL-005 N.T.S.

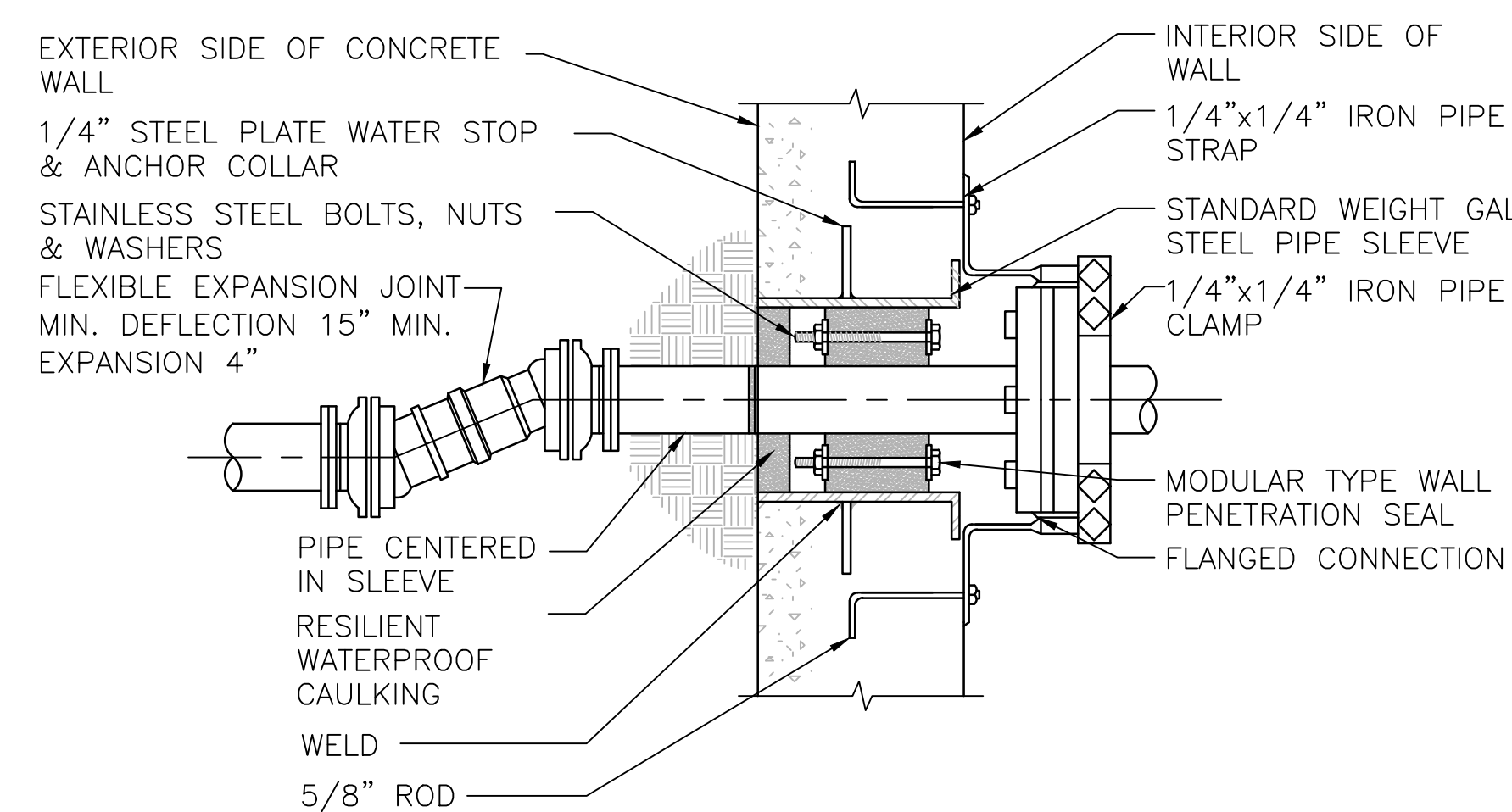
NOTES:
1. ES CONTROL LEVER SHALL BE LOCATED 1'-0" TO THE RIGHT OF EEW CENTERLINE.
2. ANNULAR SPACE IN VALVE STEM SLEEVES SHALL BE LOOSELY PACKED WITH OAKUM TO REDUCE AIR INFILTRATION, BUT SHALL NOT HINDER VALVE OPERATION.



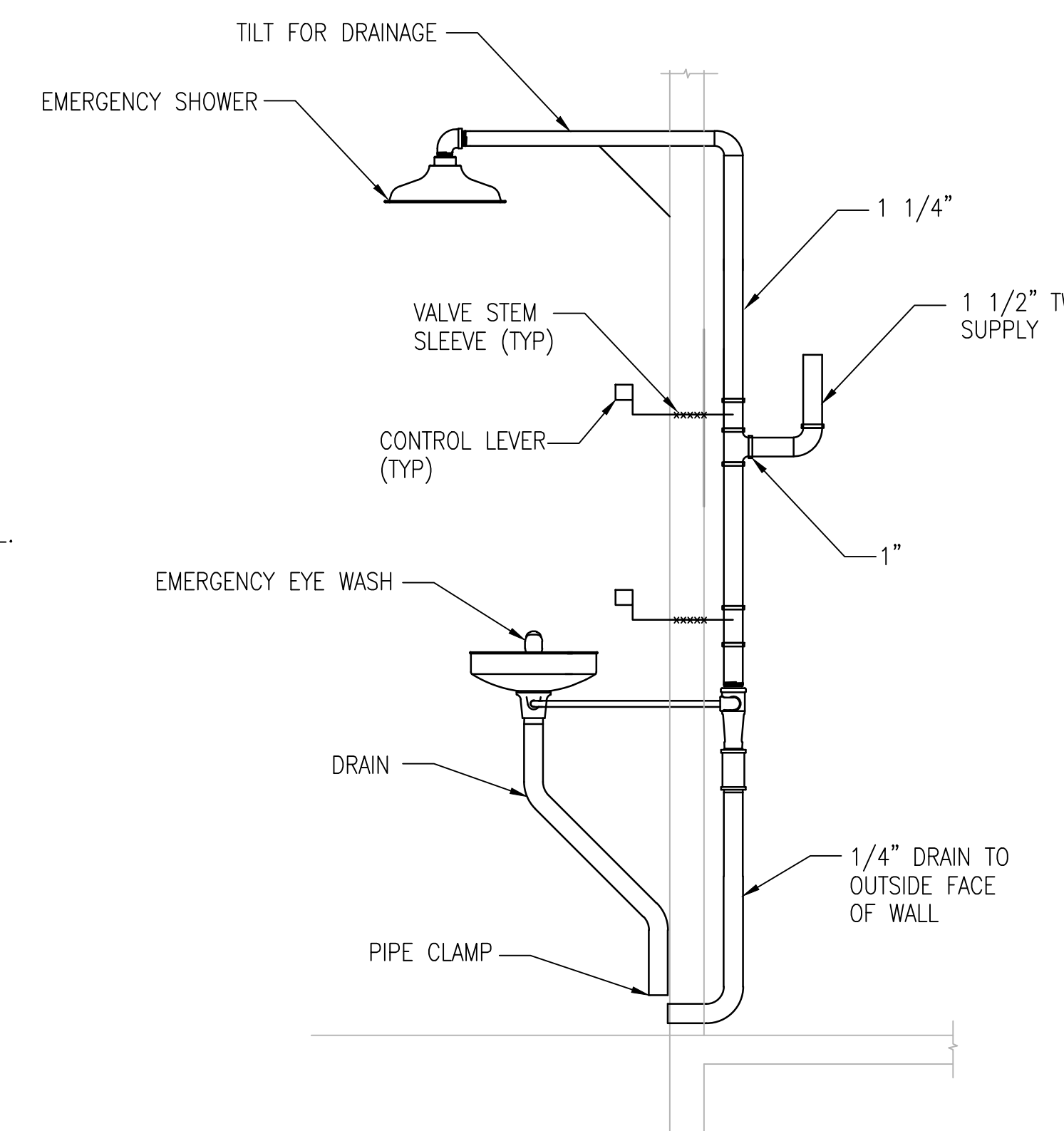
4 HOSE BIBB DETAIL
PL-005 N.T.S.



5 UNDERGROUND FUEL OIL STORAGE TANK FILL STATION
PL-005 N.T.S.



6 PIPE PENETRATION DETAIL THROUGH WALL
PL-005 N.T.S.

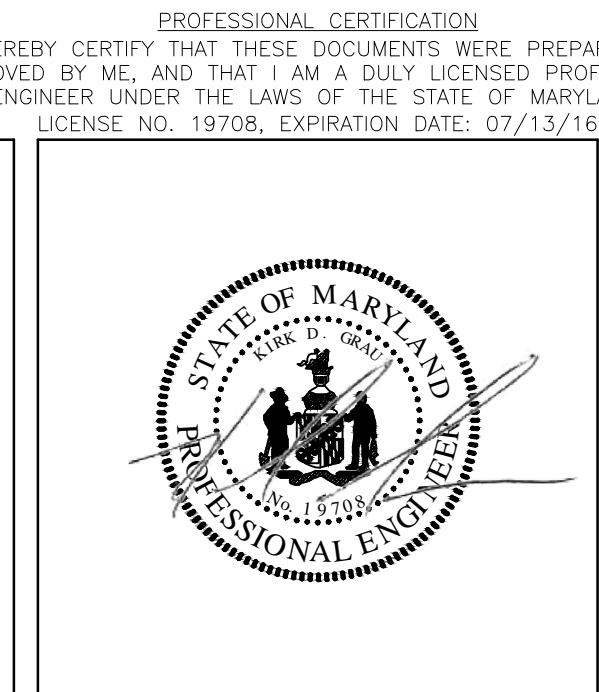


7 OUTDOOR EMERGENCY SHOWER AND EYE WASH
PL-005 N.T.S.

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Additions:	Date:
Revisions:	

DCS Infrastructure, LLC
3249 route 112, building 4 suite 1B
Medford, N.Y. 11763
631-320-1706

Hatch Mott MacDonald



Approved:	Approved: Chief, Facilities and Engineering:
	Approved: Associate Chief for Maintenance And Operations, Perry Point:
	Approved: Engineering Projects Supervisor
	Approved: Infection Control Officer

Drawing Title:
PLUMBING DETAILS
Approved: Associate Director for Operations:
Approved: Director, Medical Center:

Project Title:
POTABLE WATER SYSTEM IMPROVEMENTS - TIER 1
PERRY POINT MD VAMC
Scale:
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9/1/2015
Project No:
512A5-13-329
DRAWING NO:
PL-005
35 OF 124

100% Bid Documents, September 1, 2015

