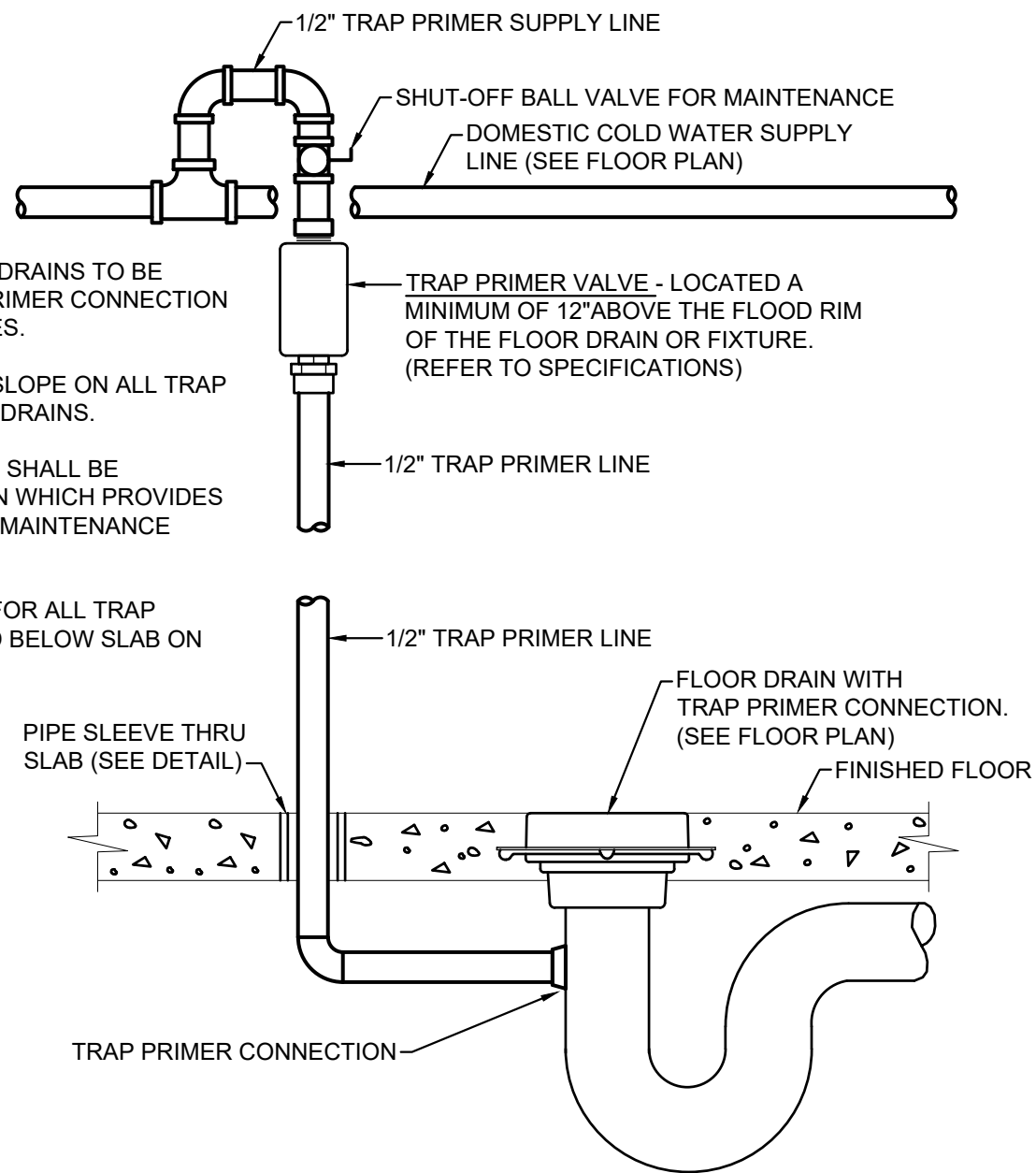
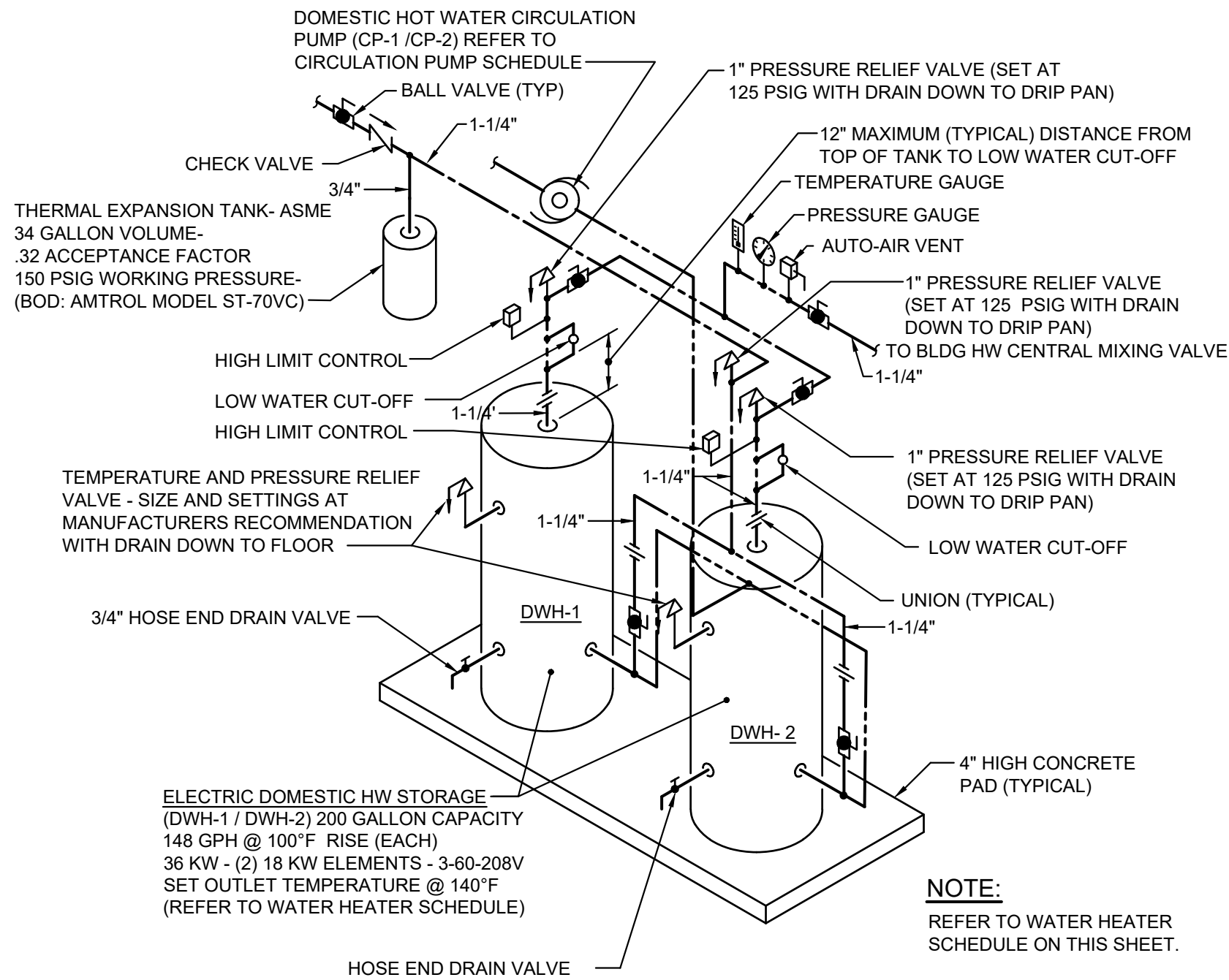


NOTES:

- ALL FLOOR AND FUNNEL DRAINS TO BE INSTALLED WITH TRAP PRIMER CONNECTION AND TRAP PRIMER VALVES.
- PROVIDE 1/8" PER FOOT SLOPE ON ALL TRAP PRIMER LINE SUPPLYING DRAINS.
- THE TRAP PRIMER VALVE SHALL BE INSTALLED IN A LOCATION WHICH PROVIDES ADEQUATE ACCESS FOR MAINTENANCE PURPOSES.
- PROVIDE PIPE SLEEVES FOR ALL TRAP PRIMER LINES INSTALLED BELOW SLAB ON GRADE.



1 TRAP PRIMER VALVE ASSEMBLY PIPING SCHEMATIC
NOT TO SCALE

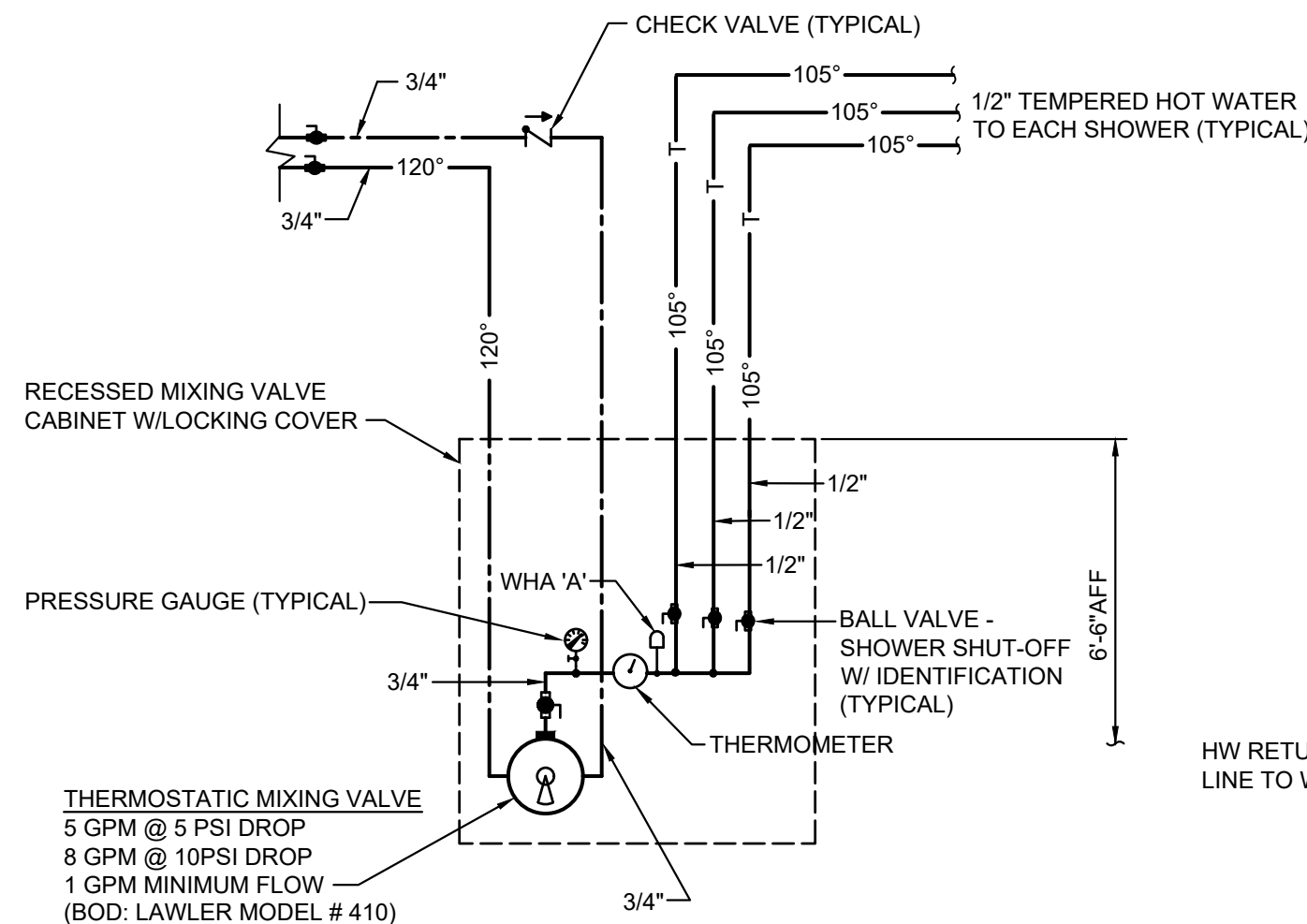


2 ELECTRIC WATER STORAGE HEATERS PIPING SCHEMATIC
NOT TO SCALE

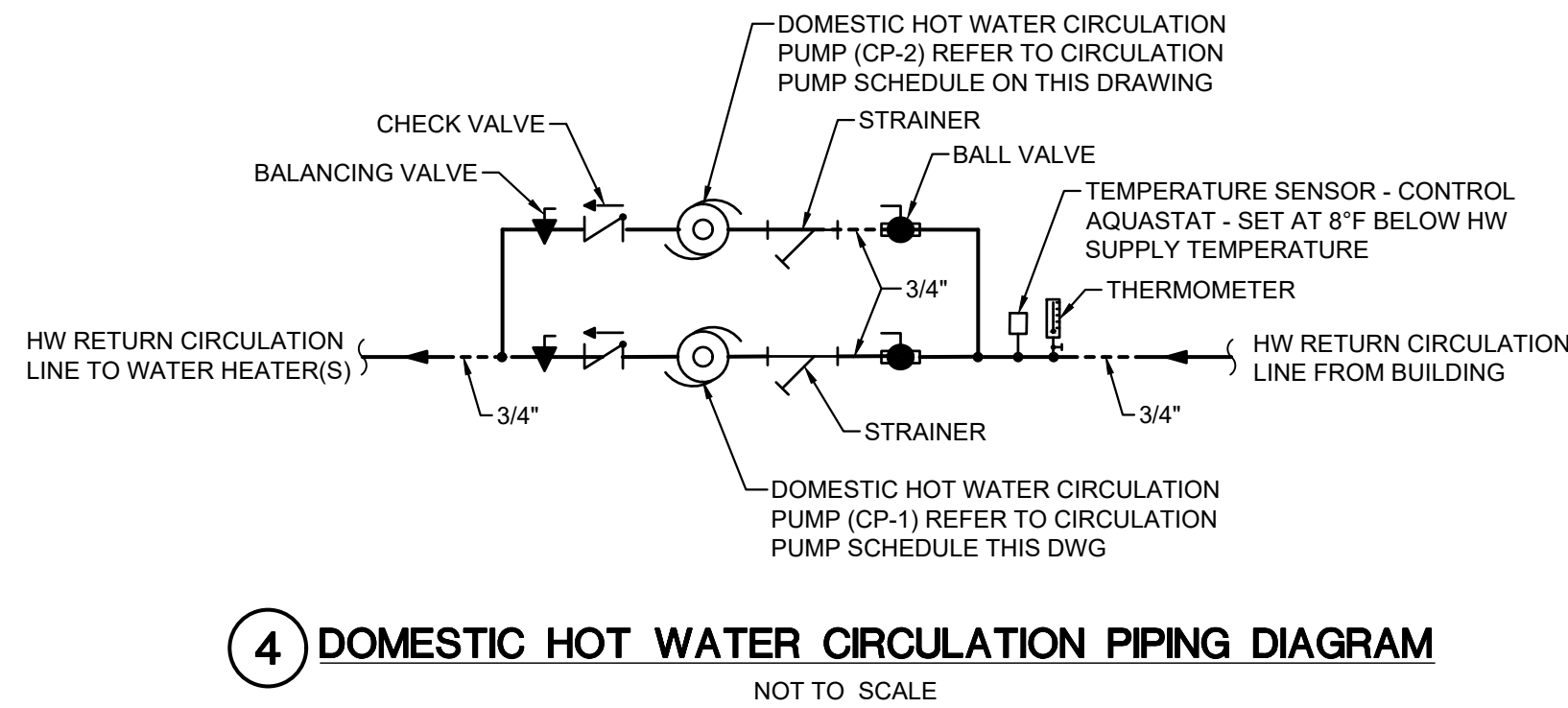
ELECTRIC HOT WATER STORAGE HEATER SCHEDULE										
SYMBOL	LOCATION	GPH RECOVERY @ 100° RISE	STORAGE CAP. GALS	HEATING ELEMENTS			ELECTRICAL			REMARKS
				NO.	KW (EA)	TOTAL KW	PHASE	CYCLE	VOLT	
DWH-1	BSMT - MECH RM 014	148	200	2	18	36	3	60	208	
DWH-2	BSMT - MECH RM 014	148	200	2	18	36	3	60	208	

DOMESTIC HOT WATER HEATER FOOTNOTES:

- REFER TO SPECIFICATIONS FOR MANUFACTURERS, BASIS OF DESIGN AND ADDITIONAL DETAILS AND INFORMATION ON ACCESSORIES AND COMPONENTS. (TYPICAL)
- THE DOMESTIC WATER HEATER(S) AND ASSOCIATED PIPING, VALVES, FITTINGS AND COMPONENTS SHALL BE CERTIFIED AND LABELED "LEAD FREE" COMPLIANT TO THE NSF/ANSI 372 STANDARD.



3 105°F SHOWER MIXING VALVE ASSEMBLY
NOT TO SCALE



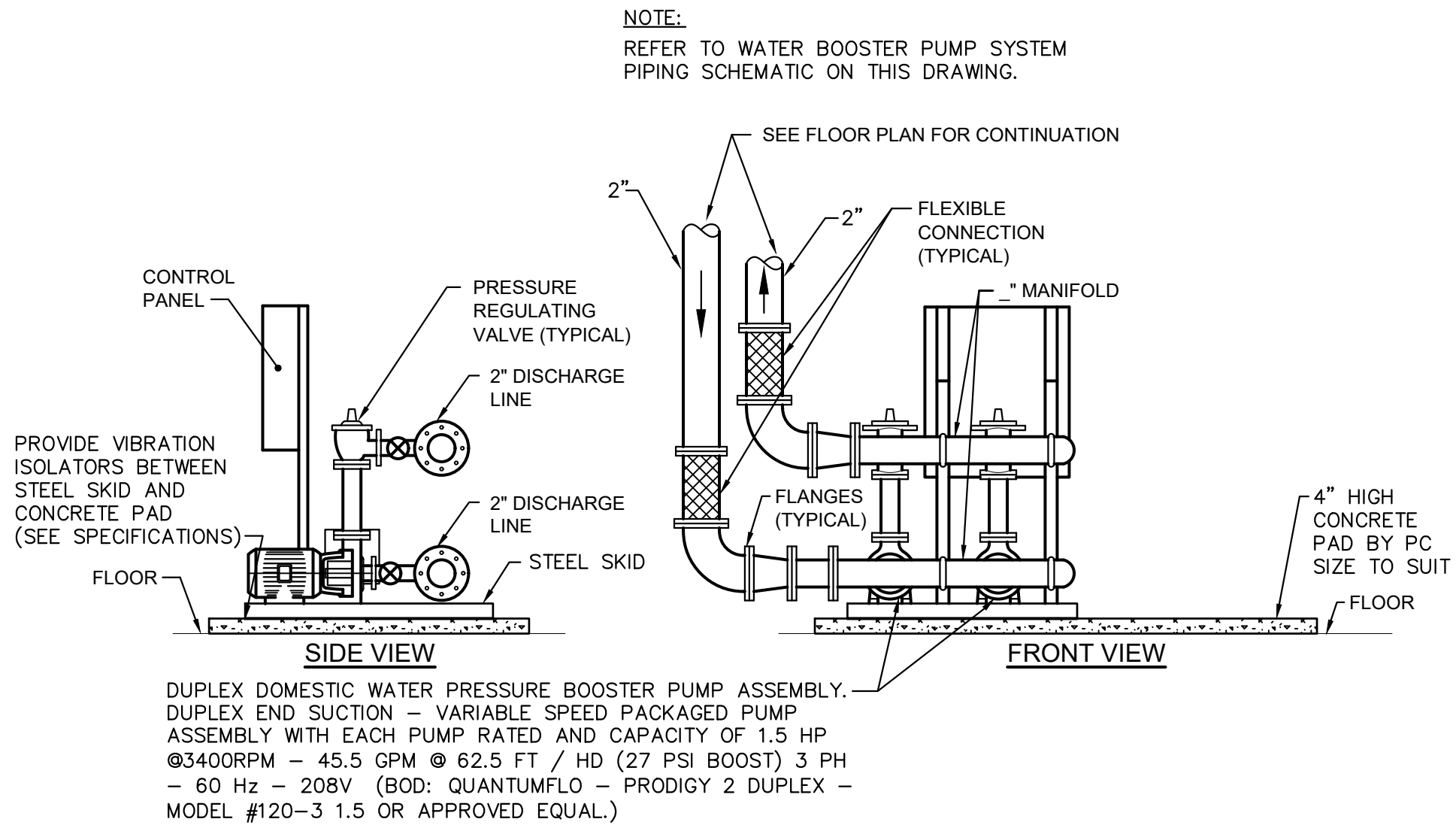
4 DOMESTIC HOT WATER CIRCULATION PIPING DIAGRAM
NOT TO SCALE

DOMESTIC WATER CIRCULATING PUMP SCHEDULE

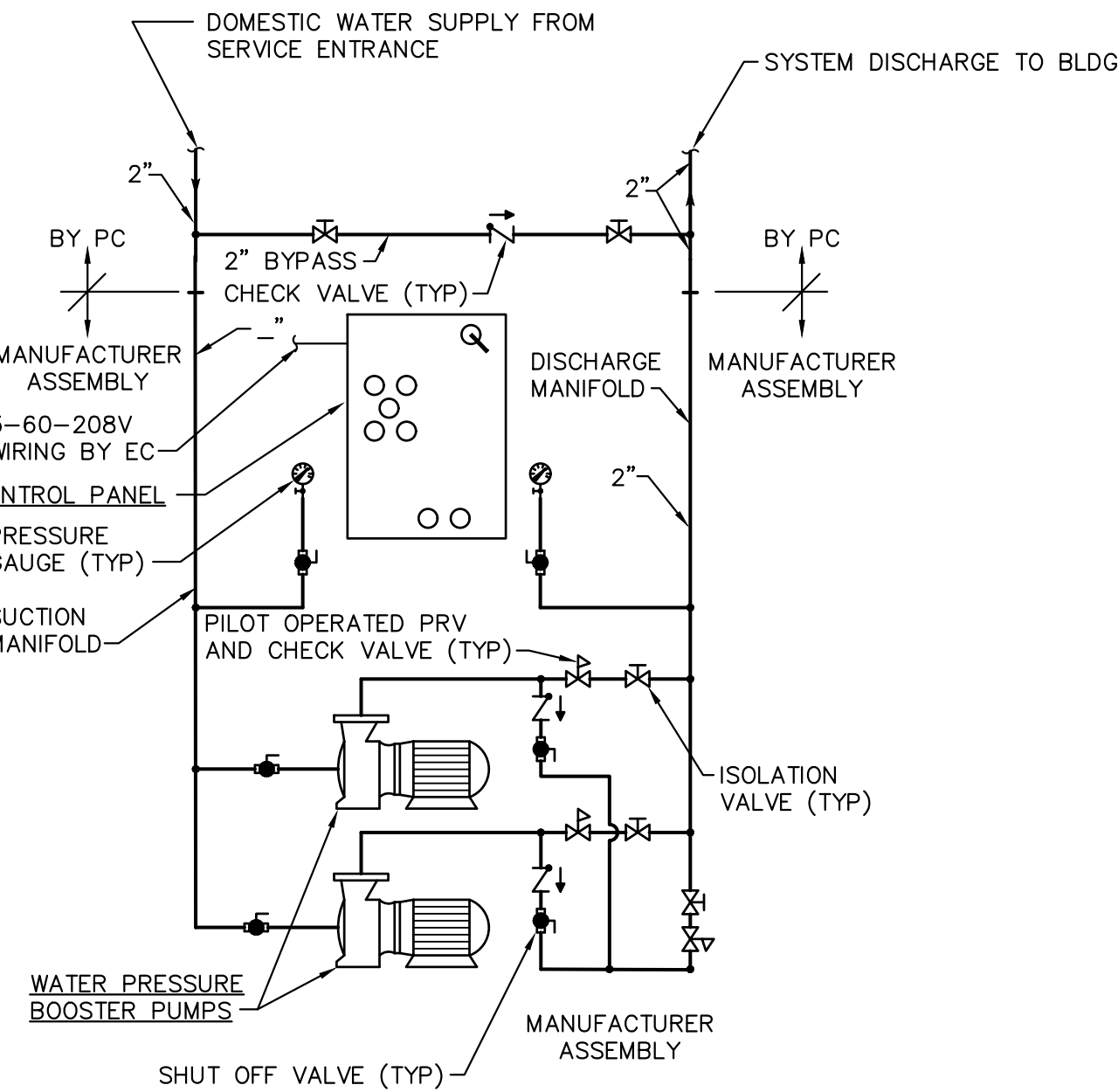
CIRC. PUMP NUMBER	DESCRIPTION	LOCATION	PIPE SIZE PUMP FLANGE	SYSTEM DESIGN CHARACTERISTICS		PUMP PERFORMANCE CHARACTERISTICS		PUMP DESIGN SHUT-OFF		HP	RPM	ELECTRIC PH - HZ - VOLT	MAXIMUM OPERATING TEMPERATURE	MAXIMUM WORKING PRESSURE	BASIS OF DESIGN	FOOTNOTES
				GPM	FT/HD	GPM	FT/HD	GPM	FT/HD							
CP-1	120°F HW SYSTEM BUILDING	BASEMENT MECH ROOM	3/4"	3.5	7.5	5	8	0	30	1/12	1750	1 - 60 - 120V	225°F	150 PSIG	B & G MODEL # PL-30	1, 2, 3
			3/4"			20	6									
CP-2	120°F HW SYSTEM BUILDING	BASEMENT MECH ROOM	3/4"	3.5	7.5	5	8	0	30	1/12	1750	1 - 60 - 120V	225°F	150 PSIG	B & G MODEL # PL-30	1, 2, 3
			3/4"			20	6									

DOMESTIC HOT WATER CIRCULATING PUMP FOOTNOTES:

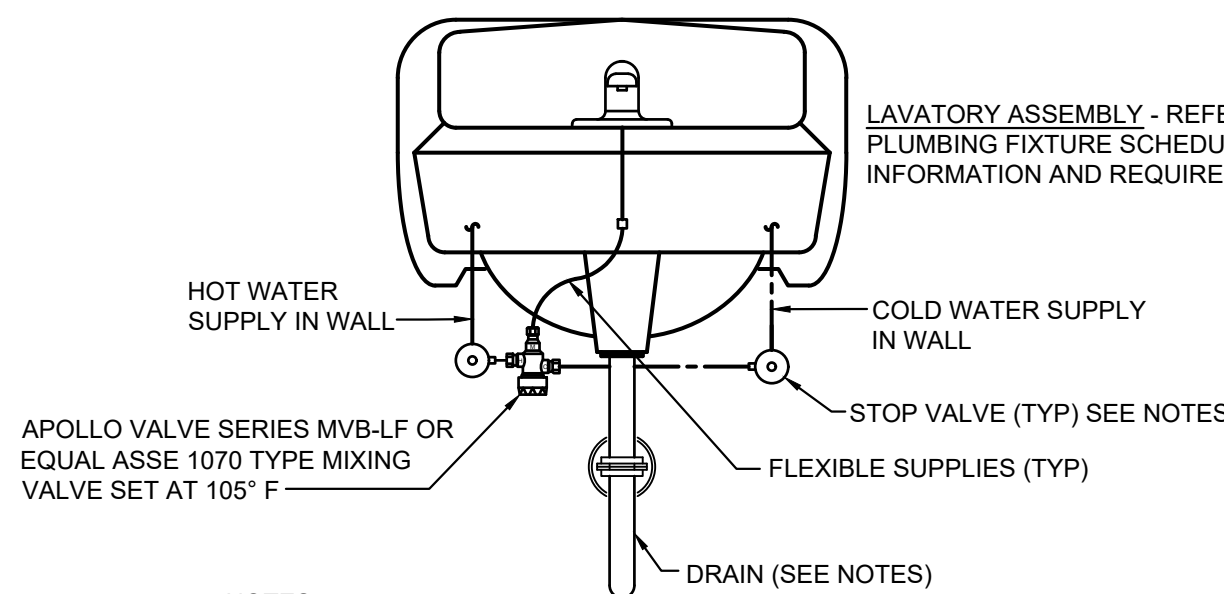
- THE CIRCULATION PUMP(S) SHALL BE CONNECTED TO THE BUILDING MANAGEMENT SYSTEM AND BE INDIVIDUALLY OPERATED BY THE AUTOMATED SYSTEM CONTROLS AS SCHEDULED BY THE OWNER. THE DUTY / STANDBY PUMPS SHALL ALTERNATE OPERATION / USE TIMES AND BE SCHEDULED TO OPERATE DURING BUILDING OCCUPIED TIMES AND OF THE FACILITY WITH THE CAPABILITY OF SCHEDULING SHUT-DOWN DURING NON-OCCUPIED/ NON-USE PERIODS. (REFER TO SPECIFICATIONS)
- THE CIRCULATION PUMP(S) AND ASSOCIATED PIPING, VALVES, FITTINGS AND COMPONENTS SHALL BE CERTIFIED AND LABELED "LEAD FREE" COMPLIANT TO THE NSF/ANSI 372 STANDARD.
- THE CONTRACTOR SHALL INSTALL THE IN-LINE TEMPERATURE AQUASTAT / SENSOR IN THE MAIN HOT WATER RETURN PIPING PRIOR TO THE LOCATION OF THE CIRCULATING PUMP(S). THE TEMPERATURE AQUASTAT SENSOR SHALL BE SET 8 - 10 DEGREES LESS THAN THE HOT WATER SUPPLY OUTLET OF THE WATER HEATER AND OPERATE THE CIRCULATING PUMP AS WELL A PROVIDE READOUT IN COORDINATION WITH "BUILDING MANAGEMENT SYSTEM".



5 DOMESTIC WATER SYSTEM BOOSTER PUMP DETAIL
NOT TO SCALE



6 WATER PRESSURE BOOSTER PUMP PIPING SCHEMATIC
NOT TO SCALE



NOTES:

- WALL MOUNTED LAVATORY SHOWN. DETAIL APPLICABLE TO LAVATORIES REQUIRING TEMPERED WATER BY CODE.
- PROVIDE INSULATED JACKET COVERING ON EXPOSED WATER SUPPLY AND WASTE PIPING AT ALL ADA / HANDICAP DESIGNATED LOCATIONS.
- A SINGLE ASSE 1070 TYPE MIXING VALVE CAN BE USED TO SERVE MULTIPLE SINGLE TEMPERATURE SUPPLY FAUCETS FOR A LINEAR WASH FOUNTAIN ASSEMBLY APPLICATION.

7 LAVATORY PIPING SCHEMATIC
NOT TO SCALE

VERIFY SCALE

BAR IS ONE (1) INCH LONG ON ORIGINAL DRAWING:
0 1

IF BAR IS NOT ONE (1) INCH LONG, ADJUST SCALE ACCORDINGLY.

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT PROFESSIONAL & BUREAU OF CONSTRUCTION APPROVAL.

DRAWN BY
S. KORMANIK

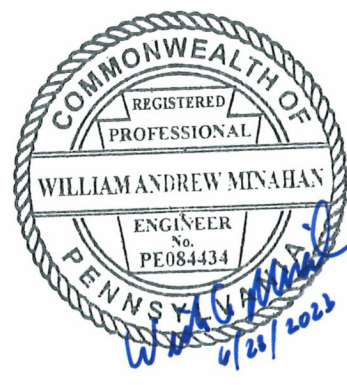
DATE
27 JUNE 2023

SCALE
AS NOTED

SHEET No.

P-601

RECORD REVISIONS



PROFESSIONAL'S SIGNATURE DATE

UpStreet ARCHITECTS, INC.
541 PHILADELPHIA ST. INDIANA, PA 15701 911 MENOHER BLVD. JOHNSTOWN, PA 15905

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF GENERAL SERVICES
HARRISBURG, PENNSYLVANIA

D.G.S. PROJECT No.

C-0588-0015 PHASE 1

LOYSVILLE YOUTH DEVELOPMENT CENTER-
RENOVATIONS TO ZIMMERMAN-
BINGAMAN (ZB) COTTAGE
DEPARTMENT OF HUMAN SERVICES
LOYSVILLE, TYRONE TOWNSHIP, PERRY COUNTY, PA

DETAILS - PLUMBING