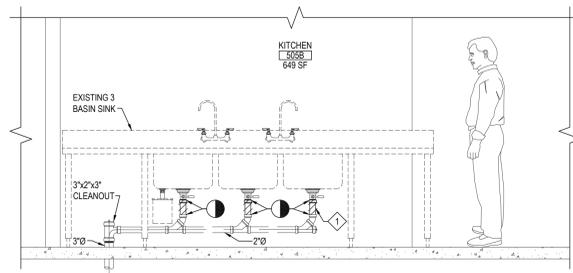


**FIRST FLOOR HIGH SCHOOL KITCHEN DEMOLITION PART PLAN**  
SCALE: 1/4" = 1'-0"

NOTE:



**ELEVATION - A**  
SCALE: 1/2" = 1'-0"

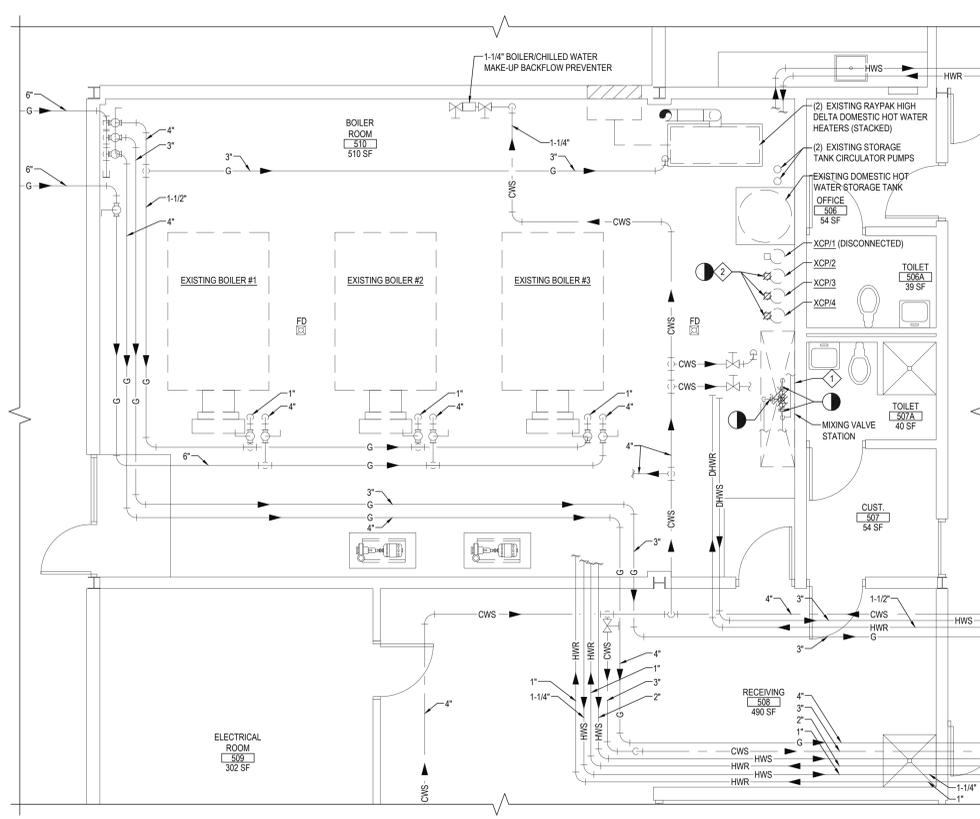
NOTE:

**GENERAL NOTES**

- REMOVAL & RELOCATION OF CERTAIN EXISTING WORK SHALL BE NECESSARY FOR THE PERFORMANCE OF THE NEW WORK SHOWN HEREIN. ALL EXISTING CONDITIONS ARE NOT COMPLETELY DETAILED ON THE DRAWINGS. THE CONTRACTOR SHALL SURVEY THE SITE & MAKE ALL NECESSARY CHANGES BASED ON EXISTING CONDITIONS AS REQUIRED FOR PROPER DEMOLITION OF EXISTING WORK & SHALL INCLUDE ALL MATERIALS & LABOR FOR SAME IN HIS BID PRICE. NO ALLOWANCE WILL BE MADE FOR FAILURE TO DO SO.
- PRIOR TO SUBMITTING A BID, THE CONTRACTOR SHALL VISIT THE PREMISES OF THE PROPOSED WORK & SHALL CAREFULLY EXAMINE THE ENGINEERING DRAWINGS, EXISTING CONDITIONS & LIMITATIONS THEREOF. VERIFY ACTUAL LOCATIONS WHERE THE NEW PIPING WILL BE ROUTED, COORDINATE WITH NEW & EXISTING WORK & PROVIDE CLEARANCE W/ BUILDING STRUCTURE, OTHER SERVICES, ETC. THE CONTRACTOR SHALL INCLUDE ALL COSTS WHATSOEVER WHICH ARE INCURRED AS A RESULT OF LIMITATIONS OF THE EXISTING & NEW CONDITIONS. LATER CLAIMS FOR EXTRA LABOR, EQUIPMENT, MATERIALS, ETC. REQUIRED DUE TO DIFFICULTIES WHICH COULD HAVE BEEN FORESEEN WILL NOT BE CONSIDERED AS EXTRA WORK.
- INSTALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATING, MAINTENANCE & REPAIR. MINOR DEVIATIONS FROM DRAWINGS MAY BE MADE TO ACCOMPLISH THIS, BUT CHANGES OF MAGNITUDE WHICH INVOLVE EXTRA COST SHALL NOT BE MADE WITHOUT APPROVAL.
- INVESTIGATE EACH SPACE THROUGH WHICH EQUIPMENT MUST BE MOVED. WHEN NECESSARY, EQUIPMENT SHALL BE SHIPPED FROM MANUFACTURER IN GRATED SECTIONS OF SIZE SUITABLE FOR MOVING THROUGH AREAS AVAILABLE. ASCERTAIN FROM BUILDING OWNER AT WHAT TIMES OF DAY EQUIPMENT MAY BE MOVED THROUGH THE BUILDING.
- COORDINATE THE EXACT SIZE & LOCATION OF NEW OPENINGS WITH EXISTING STRUCTURE. PATCH / INSULATE AS REQUIRED. CONTRACTOR SHALL FIRESTOP ALL PENETRATIONS FROM NEW PIPING, CONDUIT, DUCTWORK, ETC. THROUGH EXISTING OR NEW FIRE/ SMOKE BARRIERS. REFER TO SPECIFICATION SECTION 15511 FOR FURTHER DETAILS.
- IT IS THE INTENT OF THIS CONTRACT FOR REMAINING SYSTEMS TO BE LEFT IN GOOD WORKING ORDER, READY FOR OPERATION. COORDINATE ANY REQUIRED SHUTDOWNS WITH OWNER 48 HOURS IN ADVANCE. EXISTING SYSTEM SHUTDOWNS WILL NOT BE PERMITTED IF THEY INTERFERE WITH THE DAILY OPERATIONS OF THE BUILDING. CONTRACTOR WILL BE REQUIRED TO TAKE PROPER PRECAUTIONS AGAINST DAMAGING OR DISRUPTING BUILDING SYSTEMS, WIRING, PIPING OR CONTROL TUBING. ANY DAMAGE TO THESE ITEMS SHALL BE REPAIRED AT THE CONTRACTOR'S COST AS A PART OF THIS CONTRACT.
- THE CONTRACTOR SHALL REPAIR / RESTORE TO ORIGINAL CONDITION ANY EXISTING EQUIPMENT OR MATERIALS DAMAGED IN THE PROCESS OF INSTALLATION, OR DEMOLITION TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL MAKE REPAIRS USING THE SAME OR EQUIVALENT MATERIALS. WORK WILL BE PERFORMED AT THE CONTRACTOR'S COST.
- CONTRACTOR SHALL INCUR ANY COSTS OR BURDENS ASSOCIATED WITH LOST OR STOLEN EQUIPMENT / MATERIALS.
- DURING THE LIFE OF THE CONTRACT PERIOD, CONTRACTOR SHALL REMOVE ALL RUBBISH / EXCESS MATERIAL ACCUMULATED AS A RESULT OF HIS OPERATIONS ON A DAILY BASIS. ALL AREAS / EQUIPMENT AFFECTED UNDER THIS CONTRACT SHALL BE KEPT CLEAN OF DUST / DEBRIS. ALL AREAS SHALL RECEIVE A FINAL CLEANING PRIOR TO FINAL ACCEPTANCE BY THE OWNER.
- PROVIDE FOR LEGAL REMOVAL / DISPOSAL OF ALL RUBBISH / DEBRIS FROM THE BUILDING & SITE. PROTECT ALL WORK NOT SLATED FOR DEMOLITION.
- THIS CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES PRIOR TO SCHEDULING THE WORK. WORK SHALL BE PERFORMED IN PROPER SEQUENCE, AS AGREED TO BY ALL TRADES. ANY COSTS INCURRED BY THE OWNER DUE TO IMPROPER SEQUENCING OF WORK WILL BE PAID FOR BY THIS CONTRACTOR.
- CONTRACTOR SHALL OBTAIN ALL PERMITS, PAY ALL FEES, CONNECTION CHARGES, ETC. ASSOCIATED WITH THE WORK UNDER THIS CONTRACT.
- PAINT / TOUCH UP ALL SURFACES MARRED AS A RESULT OF THE PERFORMANCE OF THE CONTRACT WORK.
- THE MECHANICAL CONTRACTOR SHALL REFER TO / REVIEW ALL OTHER TRADE DRAWINGS IN THE BID PACKAGE & SHALL BE RESPONSIBLE FOR / PERFORM ALL WORK INDICATED AS (M.C.) MECHANICAL WORK AS A PART OF THE BASE BID UNLESS SPECIFICALLY NOTED OTHERWISE.
- SUBSTITUTED EQUIPMENT OF GREATER OR LARGER POWER, DIMENSIONS, CAPACITIES & RATINGS MAY BE FURNISHED PROVIDED THAT SAID EQUIPMENT IS APPROVED IN WRITING PRIOR TO ORDER. ANY CONNECTING MECHANICAL SERVICES, ELECTRICAL SERVICES, BASES, STRUCTURAL APPURTENANCES, ETC. REQUIRED TO BE INCREASED DUE TO THE USE OF SAID EQUIPMENT WILL BE PAID FOR IN FULL BY THE MECHANICAL CONTRACTOR, INCLUDING ANY ADDITIONAL REQUIRED ENGINEERING FEES.
- EACH PIECE OF EQUIPMENT SHALL BE PROVIDED WITH A PERMANENT TYPE LAMINATED, BLACK FINISH, WHITE CORE, PHENOLIC NAMEPLATE. NAMEPLATES SHOULD INDICATE THE NAME & NUMBER OF THE UNIT, UNIT VOLTAGE, & ANY INTERLOCK REFERENCE. STARTERS / DISCONNECT SWITCHES SHOULD ALSO BE EQUIPPED WITH AN IDENTICAL NAMEPLATE WITH THE SAME INFORMATION.
- "ATTIC STOCK" - UPON COMPLETION OF THE PROJECT, MECHANICAL CONTRACTOR SHALL COMPLETELY REMOVE / DISPOSE OF FILTERS USED DURING CONSTRUCTION & START-UP PROCEDURES. INSTALL NEW FILTERS IN ALL EQUIPMENT, MERV8 OR BETTER UPON TURN OVER OF THE PROJECT TO THE OWNER. IN ADDITION, PROVIDE (2) COMPLETE SETS OF FILTERS FOR EACH PIECE OF EQUIPMENT & TURN OVER TO OWNER.
- MECHANICAL CONTRACTOR SHALL PROVIDE (1) SPARE MOTOR FOR EACH SIZE MOTOR USED ON THE PROJECT. IN INSTANCES WHERE MORE THAN TEN OF THE SAME MOTOR ARE USED, MECHANICAL CONTRACTOR SHALL PROVIDE (1) SPARE MOTOR FOR EVERY TEN MOTORS OF A GIVEN SIZE USED ON THE PROJECT.
- MAINTENANCE MANUAL: UPON COMPLETION OF THE PROJECT, THE MECHANICAL CONTRACTOR SHALL PROVIDE A BINDER CONTAINING THE OPERATIONS & MAINTENANCE MANUALS FOR EACH NEW PIECE OF EQUIPMENT INSTALLED UNDER THIS PROJECT. THE FIRST SECTION OF THE MAINTENANCE MANUAL SHALL CONTAIN A LIST OF EACH PIECE OF EQUIPMENT, COMPLETE WITH INFORMATION SHOWING APPROPRIATE REPLACEMENT FILTER SIZES / TYPES, APPROPRIATE REPLACEMENT BELT SPECIFICATIONS, REPLACEMENT MOTOR SPECIFICATIONS, REPLACEMENT BEARING SPECIFICATIONS, VOLTAGES OF UNIT, ETC. THIS SHALL SERVE AS A WRITTEN DATABASE DESCRIBING ALL MAINTENANCE INFORMATION FOR EACH NEW PIECE OF EQUIPMENT USED.

**ABBREVIATIONS**

A.F.F.	ABOVE FINISHED FLOOR	No. / #	NUMBER
B.D.	BACKRAFT DAMPER	NOM.	NOMINAL
CWS	COLD WATER SUPPLY	N.T.S.	NOT TO SCALE
CFM	CUBIC FEET OF AIR PER MINUTE	O.A.	OUTSIDE AIR
D.	DEEP / DEPTH	O.C.	ON CENTER
DIA.	DIAMETER	O.D.	OUTSIDE DIAMETER
F&T	FLOAT & THERMOSTATIC	O.S. & Y	OUTSIDE SCREW & YOKE
FFM	FEET PER MINUTE	O.C.	ON CENTER
FSD	FIRE DAMPER- DUCT MOUNTED	PE	PNEUMATIC / ELECTRIC
FLEX	FLEXIBLE	PREFAB	PREFABRICATED
FO	FLAT OVAL DUCTWORK	PRV	PRESSURE REDUCING VALVE
GAL	GALLONS	PSI	POUNDS PER SQUARE INCH
GPH	GALLONS PER HOUR	R.A.	RETURN AIR
GPM	GALLONS PER MINUTE	REQD	REQUIRED
H.	HIGH	RPM	REVOLUTIONS PER MINUTE
H.C.	HANDICAPPED	S.A.	SUPPLY AIR
HWS	HEATING SYSTEM HOT WATER SUPPLY	SCH.	SCHEDULE
HWR	HEATING SYSTEM HOT WATER RETURN	S.P.	STATIC PRESSURE
HP	HORSEPOWER	STD	STANDARD
I.D.	INSIDE DIAMETER	T	TEMPERATURE
KW	KILOWATT	TXV	THERMAL EXPANSION VALVE
L	LONG	TYP.	TYPICAL
LAT	LEAVING AIR TEMPERATURE	VOL.	VOLUME
LWT	LEAVING WATER TEMPERATURE	V.D.	VOLUME DAMPER
MAX.	MAXIMUM	VEL.	VELOCITY
MIN.	MINIMUM	VFD	VARIABLE FREQUENCY DRIVE
MBH	BTU x 1,000	W.	WIDE
MFR.	MANUFACTURER	W.	WITH
M.H.	MANHOLE	WO	WITHOUT
MISC.	MISCELLANEOUS	WB	WET BULB TEMPERATURE
MTD.	MOUNTED	WTD	WATER TEMPERATURE DROP
G	NATURAL GAS	WTR	WATER TEMPERATURE RISE
N.I.C.	NOT IN CONTRACT	WPD	WATER PRESSURE DROP

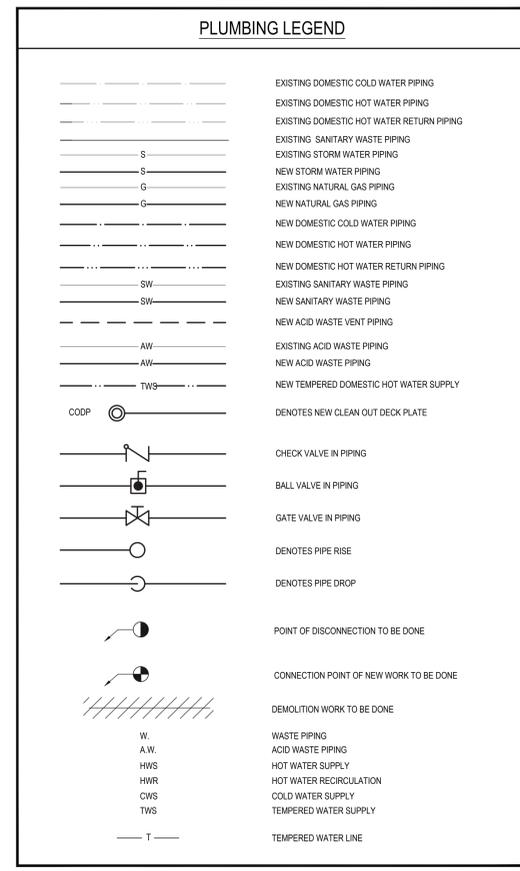


**BOILER ROOM DEMOLITION PART PLAN**  
SCALE: 1/4" = 1'-0"

NOTE:

**BOILER ROOM KEYED DEMOLITION NOTES:**

- P.C. TO REMOVE EXISTING HOT WATER MIXING VALVE AND REPLACE WITH NEW. REFER TO SCHEDULES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- P.C. TO REPLACE EXISTING HOT WATER AQUASTAT, LIKE-IN-KIND.



**GENERAL UTILITY NOTES**

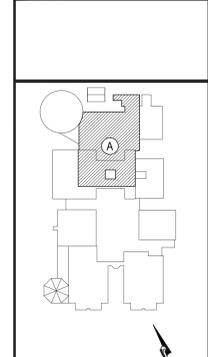
PIPING LOCATIONS ARE SCHEMATIC AND EACH TRADE SHALL RUN PIPING IN ORDER TO USE THE LEAST AMOUNT OF MATERIAL.  
PLUMBING CONTRACTOR SHALL PROVIDE VENT PIPING FOR ALL PLUMBING FIXTURES AS PER CODE.  
PLUMBING NOTE: PIPING SIZES SEE SCHEDULE THIS SHEET.  
EACH TRADE CONTRACTOR TO VERIFY SIZE OF SERVICE REQUIRED, SIZE AND EXACT LOCATION OF CONNECTIONS TO EACH PIECE OF EQUIPMENT.

**FLOOR & WALL PENETRATION NOTES FOR PLUMBING CONTRACTOR**

PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PIPING WALL, FLOOR, & CEILING PENETRATIONS & PATCHING. IF TEST RESULTS INDICATE POSSIBILITY OF LEAD-CONTAINING AND/OR ASBESTOS-CONTAINING MATERIALS AT THE PENETRATION LOCATIONS, THE P.C. SHALL CARRY THE ASSOCIATED ABATEMENT COSTS WITHIN HIS/HER BASE BID SUBMITTED.

REV.	DATE	ITEM
1	1/14/2022	ISSUED FOR BID

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**KEY PLAN**  
NOT TO SCALE

**BRIARCLIFF MANOR UFSD BOND IMPROVEMENTS - PHASE 1 MIDDLE/HIGH SCHOOL**  
BRIARCLIFF MANOR/WESTCHESTER

**FIRST FLOOR DEMOLITION PART PLANS AREA "A"**

**PROJECT**  
DRAWING BY: RDP  
CHECK BY: FS

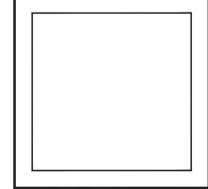
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SED No: 66-14-02-02-0-004-022

DISTRICT: BRIARCLIFF MANOR UFSD  
DISTRICT NAME:

PROJECT: BOND IMPROVEMENTS  
PHASE 1

DWG TITLE: FIRST FLOOR DEMOLITION PART PLANS AREA "A"

SCALE: AS NOTED  
DATE: 10/8/21  
BID PICK-UP: BID P/U DATE  
FILE No: 21-274A





**SUBMITTAL DATA SHEET**

temperedwater.com  
6330 East 25th St.  
Indianapolis, IN 46216  
Phone (317) 261-1212  
Fax (317) 261-1208

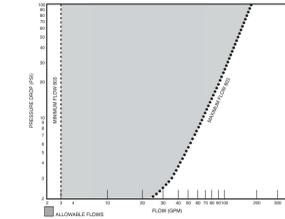


**Model 803  
Thermostatic Water  
Controller  
High-Low Water Mixer  
Unit No. 73004**

**CAPACITIES - MODEL 803**

Valve Number	5	10	20	30	45	60	80
803-GPM	43	60	85	103	125	144	165
803-LFM	163	227	322	390	473	545	624

1/2 gpm when properly installed in recirculated system.



**FINISH:**

Brass	<input checked="" type="checkbox"/>
Rough Chrome	<input type="checkbox"/>
Other	<input type="checkbox"/>

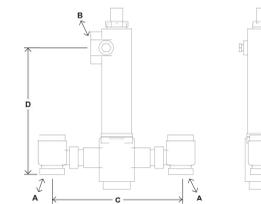
**TEMP. RANGE**

70° to 100°F	<input type="checkbox"/>	<b>SET POINT</b>	80°F	<input type="checkbox"/>
90° to 120°F	<input checked="" type="checkbox"/>		110°F	<input type="checkbox"/>
110° to 140°F	<input type="checkbox"/>		130°F	<input type="checkbox"/>
Special	<input type="checkbox"/>			<input type="checkbox"/>

**Optional Test Connection**  
Including garden hose connection, shut-off and thermometer.  
Brass   
Rough Chrome

ASSE 1017 Approved  
ASSE Lead Free Certified  
Certified to CSA B125.3

Design and specifications subject to change without notice. Please refer to [temperedwater.com](http://temperedwater.com) to ensure most current data sheet and other design solutions. **temperedwater.com/patents ENG. NO. 73004-A**



**Model 803  
Unit No. 73004**

**Typical Installation**

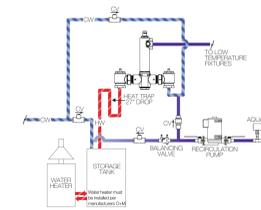
Install the mixing valve below the hot water tank or heater. If this is not possible, pipe in a heat trap as shown in Figure 1 with an approximate 2" drop.  
Connect a tempered water return line as shown in Figure 1. This allows flow through both ports of the mixing valve during periods of no draw.  
If a dual temperature system is used, a separate recirculating loop and pump are required to return high temperature hot water to the water heater. See Figure 2.  
Install an aquastat at the tempered water return pump.  
Install the water heater per manufacturer's instructions.

**DIMENSIONS**

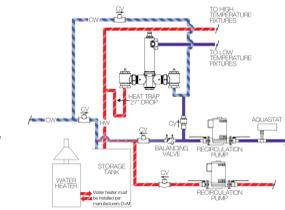
Valve Number	A	N.P.T.	B	N.P.T.	C	D
803	1-3/4"	1-1/2"	13-3/4"	12-1/2"		

Dimensions are for reference purposes only. For rough-in dimensions please refer to Lawler's Rev/BIM models found at [temperedwater.com](http://temperedwater.com).

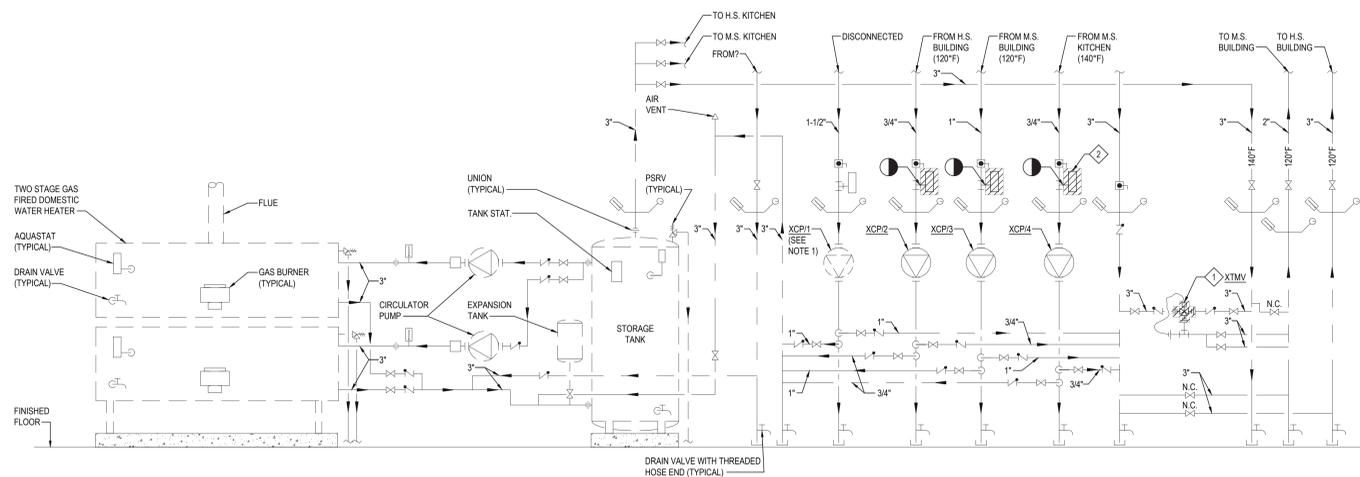
**Figure 1**  
When used in a single temperature recirculating system



**Figure 2**  
When used in a dual temperature recirculating system

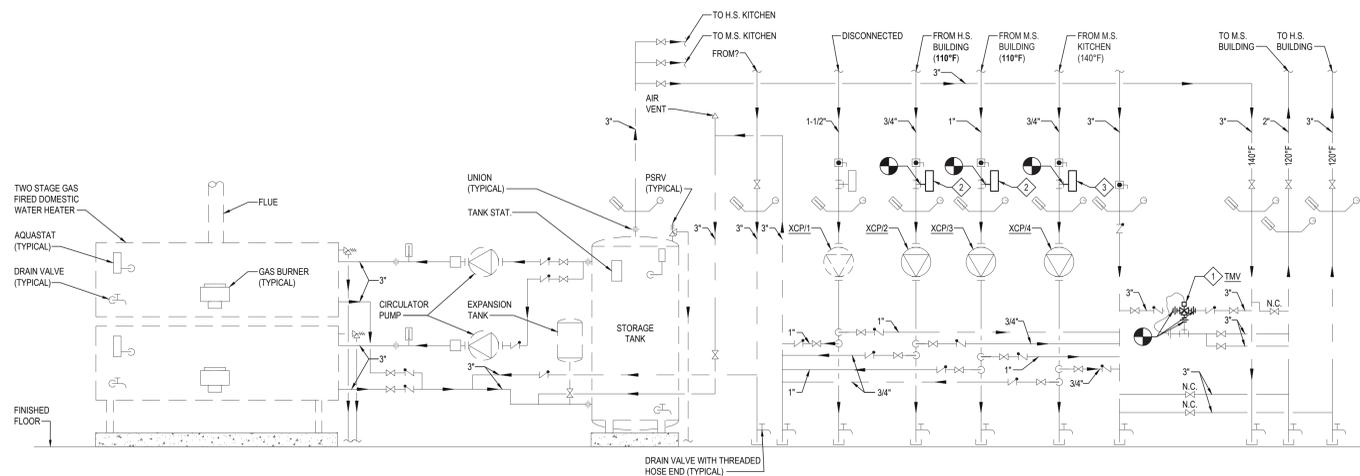


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**DOMESTIC HOT WATER SCHEMATIC PIPING DIAGRAM - DEMOLITION**

NOTE: 1. XCP1 HAS BEEN PARTIALLY REMOVED FROM SYSTEM AND VALVED OFF. NOT TO SCALE



**DOMESTIC HOT WATER SCHEMATIC PIPING DIAGRAM - NEW WORK**

NOTE: NOT TO SCALE

**KEYED DEMOLITION NOTES:**

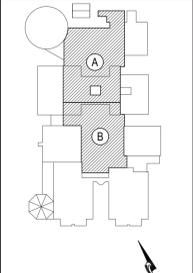
- ◇ P.C. TO REMOVE EXISTING HOT WATER THERMOSTATIC MIXING VALVE.
- ◇ P.C. TO REPLACE EXISTING HOT WATER AQUASTAT, LIKE-IN-KIND. (TYPICAL FOR 3)

**KEYED NEW WORK NOTES:**

- ◇ P.C. TO REPLACE WITH NEW HOT WATER THERMOSTATIC MIXING VALVE. REFER TO SCHEDULES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- ◇ P.C. TO REPLACE EXISTING HOT WATER AQUASTAT, LIKE-IN-KIND. P.C. TO SET AQUASTAT TO 110°F
- ◇ P.C. TO REPLACE EXISTING HOT WATER AQUASTAT, LIKE-IN-KIND. P.C. TO SET AQUASTAT TO 140°F

REV.	DATE	ITEM
1	1/14/2022	ISSUED FOR BID

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KEY PLAN NOT TO SCALE

BRIARCLIFF MANOR UFSD  
 BOND IMPROVEMENTS - PHASE 1  
 MIDDLE/HIGH SCHOOL  
 BRIARCLIFF MANOR/WESTCHESTER  
 PLUMBING SCHEMATIC DIAGRAMS,  
 EQUIPMENT NOTES, SCHEDULES AND DETAILS

PROJECT: DWG TITLE

DRAWING BY: RDP  
CHECK BY: FS

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SED No: 66-14-02-02-0-004-022  
DISTRICT: BRIARCLIFF MANOR UFSD  
DISTRICT NAME:  
PROJECT: BOND IMPROVEMENTS  
PHASE 1  
DWG TITLE: SCHEM. DIAGRAMS, EQUIPMENT  
NOTES, SCHEDULES & DETAILS  
SCALE: AS NOTED  
DATE: 10/8/21  
BID PICK-UP: BID PU DATE  
FILE No: 21-274A