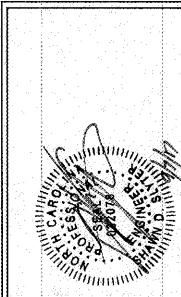


**Hardee's**  
 ARCHITECTS & ENGINEERS  
 3405 CARRINGTON HILL BLVD. SUITE 135  
 MORRISVILLE, NORTH CAROLINA 27560  
 PH: 919 544 7251 FAX: 919 544 9399  
 A DIVISION OF LHMAT ASSOCIATES



BODDIE-NOELL  
 ENTERPRISES, INC.  
 P.O. BOX 908  
 ROCKY MOUNT, N.C.  
 27802-1908  
 (252) 937-2800



NO.	DATE	DESCRIPTION

DRAWN BY: SCP/JCL  
 CHECKED BY: SDS

WATER PLAN  
 DATE: 6-23-17

SHEET NUMBER:  
**P2**

**NOTES**

- PERFORM ALL WORK IN ACCORDANCE WITH SPECIFICATIONS DIVISION 15.
- WHILE EVERY ATTEMPT HAS BEEN MADE IN THE PREPARATION OF THIS PLAN TO PRESENT COMPLETE DOCUMENTS, THE DESIGNER AND COMPANY CANNOT GUARANTEE AGAINST EQUIPMENT SUBSTITUTIONS OR UNFORESEEN FIELD CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND DETAILS AND IMMEDIATELY REPORT ANY DISCREPANCIES TO OWNER/ARCHITECT/ENGINEER.
- CONTRACTOR SHALL CHECK EQUIPMENT NOT IN CONTRACT PRIOR TO INSTALLATION TO VERIFY THAT SERVICE REQUIREMENTS ARE CORRECTLY SIZED AND ROUTED-IN PROPER VERIFICATION REQUIRED TO MINIMIZE THE AMOUNT OF MATERIALS AND FITTINGS NECESSARY FOR FINAL CONNECTION TO RESULT IN A NEAT AND ORDERLY INSTALLATION.
- CONTRACTOR SHALL FURNISH AND INSTALL SHUTOFF VALVES IN WATER LINES TO ALL EQUIPMENT. INSTALL 1/2" A.F.F. UNLESS OTHERWISE INDICATED.
- PLUMBING CONTRACTOR SHALL FURNISH ALL CONDENSATE DRAIN AND INDIRECT WASTE LINES REQUIRED FOR EQUIPMENT.
- CONTRACTOR SHALL FURNISH AND INSTALL 1/2" FLEXIBLE METAL UNDETECTED WATER SUPPLY LINE FOR FINAL CONNECTION TO EQUIPMENT. SUPPLY LINE SHALL ALLOW FOR MAXIMUM MOVEMENT OF EQUIPMENT.
- INSTALL FLOOR DRAINS LEVEL WITH FINISHED FLOOR IN EACH AREA SO EQUIPMENT DOES NOT SLIDE INTO DEPRESSION.
- COORDINATE WITH G.C. AND ALL OTHER DISCIPLINES TO AVOID CONFLICTS WITH STRUCTURAL, MECHANICAL AND ELECTRICAL INSTALLATIONS AND EQUIPMENT.

**SHUT OFF NOTES**

- WATER SERVICE ENTRANCE: PLUMBING CONTRACTOR SHALL INSTALL DOMESTIC WATER PIPING 1/2" OUTSIDE BUILDING TO BE CONTINUED BY SITE CONTRACTOR. VERIFY WITH LOCAL AUTHORITIES TO DETERMINE TYPE OF BACKFLOW PREVENTION REQUIRED AND AVAILABLE WATER PRESSURE. IF AVAILABLE PRESSURE IS LESS THAN 60 PSIG AT THE BUILDING, CONTACT HARDEE'S CONSTRUCTION REPRESENTATIVE. FIELD COORDINATE WITH WATER COMPANY AND SITE CONTRACTOR.
- FURNISH AND INSTALL WATER HAMMER ARRESTORS IN THE DOMESTIC COLD AND HOT WATER PIPING AS SHOWN ON THE WATER RISER DIAGRAM. WATER HAMMER ARRESTORS TO BE LOCATED IN AN ACCESSIBLE LOCATION.
- WATER FILTER UNIT PROVIDED BY OWNER.
- RIN 3/4" LINE UNDER SLAB TO YARD HYDRANT (P-10) IN THE TRASH ENCLOSURE. SEE CIVIL DRAWINGS FOR TRASH ENCLOSURE LOCATION AND ROUTE WATER PIPING PER CODE TO ENCLOSURE.
- EXTEND 3/4" WATER PIPING THRU ROOF FOR ROOF MOUNTED POST HYDRANT. HYDRANT SHALL BE FREEZEPROOF TYPE, SECURELY BRACKET TO PARAPET WALL ABOVE THE ROOF. COORDINATE ROOF PENETRATION WITH ROOF SYSTEM REQUIREMENTS. ROOFING BY GENERAL CONTRACTOR.
- SEE CIVIL DRAWINGS FOR LANDSCAPING IRRIGATION. IRRIGATION SYSTEM TO BE DESIGNED, SUPPLIED AND INSTALLED BY OTHERS. VERIFY CONNECTION REQUIREMENTS WITH IRRIGATION CONTRACTOR. FIELD COORDINATE.
- SEE CIVIL DRAWINGS FOR CONTINUATION.
- INSTALL MIXING VALVE PER CODE AND MANUFACTURER'S RECOMMENDATIONS. CONNECT TO WATER PIPING IN AN ACCESSIBLE LOCATION.
- CONTRACTOR SHALL SUPPLY AND INSTALL TRAP PRIMERS FOR ALL FLOOR DRAIN TRAPS SUBJECT TO EVAPORATION DUE TO INFREQUENT USE. CONNECT TO NEAREST 1/2" COLD WATER BRANCH SUPPLY PIPING AND PIPE UNDER SLAB TO FLOOR DRAIN. DISTRIBUTION FITTINGS MAY BE USED TO PROTECT SEVERAL DRAINS FROM ONE WATER SOURCE. COORDINATE WITH FLOOR DRAIN LOCATIONS. VERIFY CONDITIONS.
- WATER FOR ICE CREAM TO BE 12" A.F.F.
- WATER FOR COFFEE MACHINE TO BE 84" A.F.F.

**EQUIPMENT WATER CONNECTIONS**

MARK	DESCRIPTION	CW	HW	TW	FW	BACKFLOW PREVENTER *
4 5	COFFEE AND TEA BREWERS	NA	NA	NA	1/2"	WATTS 98D
93	CARBONATOR	NA	NA	NA	1/2"	WATTS 98D
99	HOT WATER DISPENSER	NA	NA	NA	1/2"	WATTS 98D
19	SODA/ICE DISPENSER	NA	NA	NA	1/2"	WATTS 98D
8 8	BEVERAGE STATION/ICE MAKER	NA	NA	NA	1/2"	WATTS 98D
74	BACK-OF-HOUSE ICE MAKER	NA	NA	NA	1/2"	WATTS 98D
P-1	FLUSH VALVE WATER CLOSET	1"	NA	NA	NA	INTEGRAL VB
P-1A	FLUSH VALVE WATER CLOSET	1"	NA	NA	NA	INTEGRAL VB
P-2	URINAL	3/4"	NA	NA	NA	INTEGRAL VB
P-3	LAVATORY	NA	NA	1/2"	NA	AIR GAP
P-8	POST HYDRANT ON ROOF	3/4"	NA	NA	NA	INTEGRAL VB
P-10	YARD HYD. AT TRASH ENCL.	3/4"	NA	NA	NA	INTEGRAL VB
P-13	UTILITY SINK	1/2"	1/2"	NA	NA	INTEGRAL VB
72	1-COMPARTMENT SINK FAUCET	1/2"	1/2"	NA	NA	WATTS 888PQCT
78	3-COMPARTMENT SINK	1/2"	1/2"	NA	NA	WATTS 888PQCT
9	KITCHEN HAND WASH SINK	NA	NA	1/2"	NA	AIR GAP

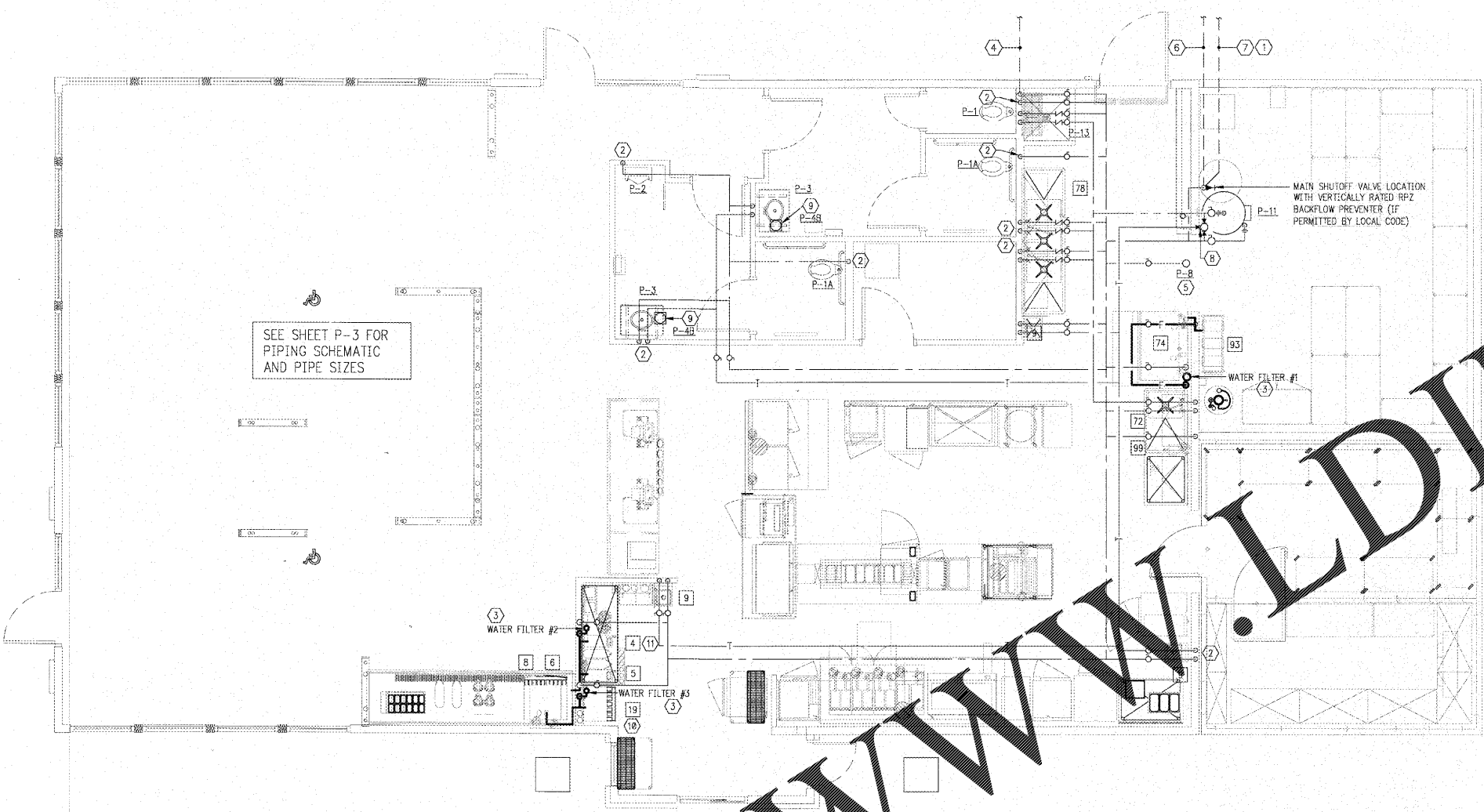
\* BACKFLOW DEVICES LISTED FOR REFERENCE ONLY. SOME EQUIPMENT MAY HAVE INTERNAL BACKFLOW PROTECTION AND SOME PROTECTION MAY NOT BE REQUIRED FOR ALL EQUIPMENT AS SHOWN. ACTUAL DEVICES SHALL BE SUPPLIED AND INSTALLED PER STATE AND/OR LOCAL CODE OR UTILITY REQUIREMENTS.

**WATER FILTER SPECIFICATIONS:**

NOTE: COORDINATE WATER FILTER MODELS SUPPLIED BY BEVERAGE EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN TO VERIFY MODEL NUMBERS AND CONNECTION REQUIREMENTS.  
 WATER FILTER #1 & #3 = AQUAPURE BY 3M MODEL NO. ICE-168-5  
 WATER FILTER #2 = AQUAPURE BY 3M MODEL NO. BEV-198.

IF ANY DISCREPANCIES ARE FOUND ON THE PLANS, THE PLUMBING CONTRACTOR SHALL SHALL BID AND INSTALL THE MORE CONSERVATIVE SPECIFICATION AND CALL ENGINEER FOR CLARIFICATION.

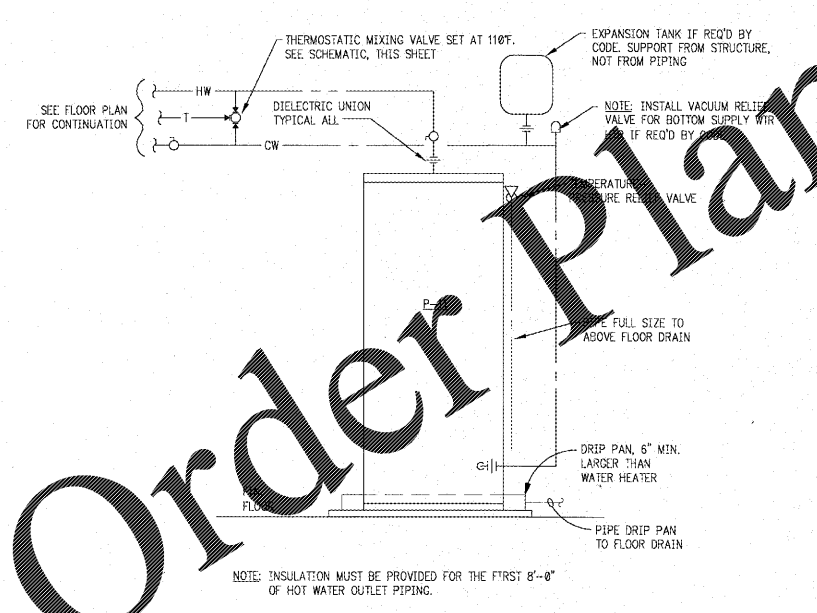
WHILE EVERY ATTEMPT HAS BEEN MADE IN THE PREPARATION OF THIS PLAN TO AVOID MISTAKES, THE DESIGNER AND COMPANY CANNOT GUARANTEE AGAINST ERROR OR UNFORESEEN FIELD CONDITIONS. THE CONTRACTOR OR BUILDER MUST CHECK ALL DIMENSIONS, DETAILS AND REPORT ANY DISCREPANCIES.



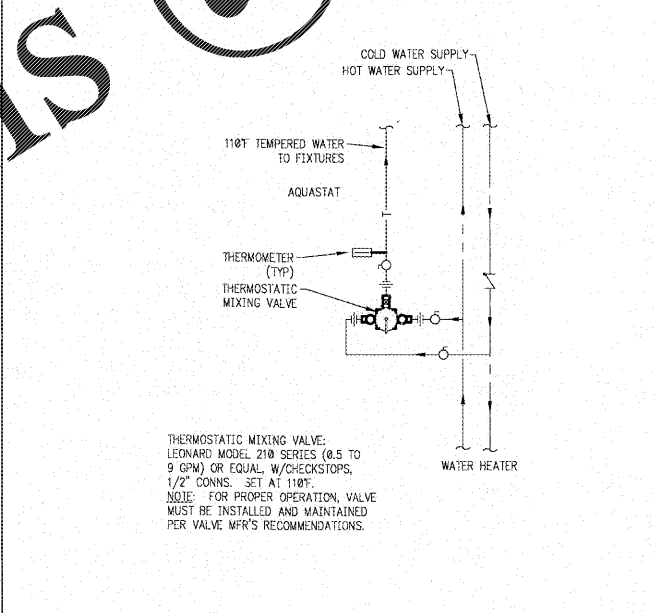
SEE SHEET P-3 FOR PIPING SCHEMATIC AND PIPE SIZES

**DOMESTIC WATER PLUMBING PLAN**

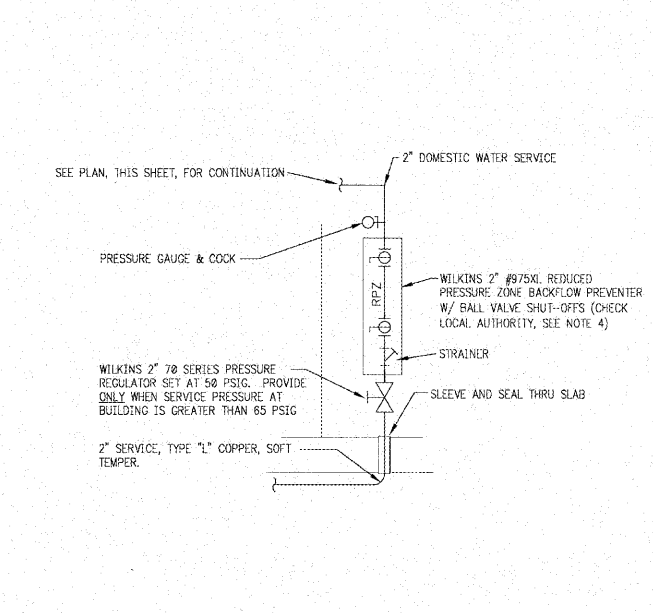
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**WATER HEATER PIPING SCHEMATIC**  
 N.T.S. 4



**MIXING VALVE PIPING SCHEMATIC**  
 N.T.S. 3



**WATER SERVICE ENTRANCE**  
 N.T.S. 2

**Order Plans @**