

**1 WATER & GAS PLAN - PLUMBING**  
1/4" = 1'-0"

**GENERAL NOTES:**

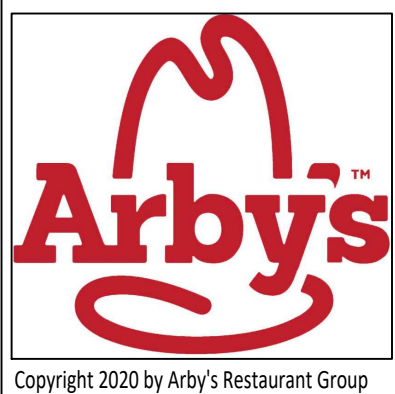
- A. PLUMBING CONTRACTOR SHALL PROVIDE ALTERNATE BID FOR SURESEAL TRAP GUARD OR EQUIVALENT TRAP GUARD AS OPPOSED TO TRAP PRIMERS IF LOCAL CODE PERMITS THE USE OF TRAP GUARDS.
- B. THE BASIS OF DESIGN FOR THE DOMESTIC COLD WATER SYSTEM SHALL BE PEX PIPING SYSTEM.
- C. REFER TO SCHEDULE ON SHEET P5.1 FOR ADDITIONAL PIPE SIZING INFORMATION.
- D. ROUTE PIPING UP IN TRUSS SPACE WHERE CEILING SPACE IS LIMITED.
- E. TRAP PRIMER/VALVES TO BE IN AN ACCESSIBLE SPACE ABOVE CEILING. IF NOT PROVIDE A MINIMUM 12"x12" ACCESS PANEL, OR LARGER IF REQUIRED TO ADEQUATELY ACCESS THE TRAP PRIMER/VALVES. REFER TO DETAIL ON SHEET P4.1.
- F. ALL GAS PIPING IN CONCEALED AREAS SHALL BE WELDED.

**CODED NOTES:** (#)

- 1. CONNECT 2" WATER LINE TO SITE UTILITY CONTRACTOR PROVIDED WATER SERVICE LINE 5'-0" OUTSIDE BUILDING WALL AND EXTEND INTO BUILDING. COORDINATE EXACT LOCATION AND POINT-OF-CONNECTION WITH SITE UTILITY CONTRACTOR AND ARBY'S CONSTRUCTION MANAGER.
- 2. 2" DOMESTIC WATER SERVICE ENTRANCE. REFER TO DETAIL ON SHEET P4.2.
- 3. PROVIDE WATER HEATERS ON FACE OF SOFFIT AS HIGH AS POSSIBLE. REFER TO DETAIL ON SHEET P4.1.
- 4. 1/2" DCW WITH BALL SHUT OFF VALVE AND ASSE 1022 LISTED BFP 6" BELOW CEILING TO WATER BOOSTER FILTER SYSTEM (84). COORDINATE EXACT REQUIREMENTS WITH SODA VENDOR. REFER TO WATER FILTER SYSTEM DETAIL ON SHEET P4.2.
- 5. CONNECT TO SODA PROVIDED FILTERED WATER LINE ABOVE CEILING AND PROVIDED 1/2" FW DROP IN WALL TO 21" AFF FOR SHAKE MACHINE (12). PROVIDE BALL STOP VALVE, ASSE 1022 LISTED BFP AND FINAL CONNECTION TO EQUIPMENT. COORDINATE EXACT REQUIREMENTS WITH SODA VENDOR.
- 6. CONNECT TO SODA PROVIDED FILTERED WATER LINE ABOVE CEILING AND PROVIDE 1/2" FW DROP DOWN IN WALL AND UNDER COUNTERTOP TO 44" AFF FOR COFFEE MAKER (49). PROVIDE BALL SHUTOFF VALVE, ASSE 1022 LISTED BFP AND FINAL CONNECTION TO EQUIPMENT. COORDINATE EXACT REQUIREMENTS WITH SODA VENDOR.
- 7. INSTALL WATER HEATER CONCENTRIC INTAKE AIR AND FLUE VENT PIPING THROUGH ROOF PER DETAIL ON SHEET P4.2.
- 8. DCW, DHW, DHWR, AND GAS PIPING ROUTED TO WATER HEATERS. REFER TO WATER HEATER DETAIL ON SHEET P4.1.
- 9. PROVIDE 1/2" DCW AND DHW IN LOW WALL CAVITY TO SINK AND CONNECT.
- 10. ROUTE GAS PIPING INTO BUILDING AND RISE IN WALL CAVITY TO ABOVE CEILING WITHIN TRUSS SPACE. PROVIDE WATERTIGHT SEAL AT WALL PENETRATION. PAINT EXTERIOR PIPING TO MATCH EXTERIOR WALL FINISHES. COORDINATE COLOR WITH CONSTRUCTION MANAGER AND ARCHITECT.
- 11. 1/2" DCW AND 1/2" DHW DOWN IN WALL TO MOP SINK.
- 12. GAS METER AND SERVICE ENTRANCE. REFER TO DETAIL ON SHEET P4.1. PC SHALL COORDINATE NEW GAS SERVICE AND METER WITH LOCAL NATURAL GAS AUTHORITY. TOTAL GAS LOAD: 955 CFH; DELIVERY PRESSURE: 7" WC; TOTAL EQUIVALENT LENGTH OF PIPE: 125 FEET.
- 13. GAS PIPING ROUTED ABOVE CEILING WITHIN TRUSS SPACE.
- 14. PROVIDE 1-1/2" GAS PIPING DOWN THROUGH CEILING TO MECHANICAL GAS SHUT-OFF VALVE. MECHANICAL GAS SHUT-OFF VALVE FURNISHED BY HOOD MANUFACTURER AND INSTALLED BY THE PC. MANUAL SHUT-OFF VALVE PROVIDED BY PC. INSTALL MECHANICAL VALVE AND MANUAL VALVE BELOW CEILING. REFER TO GAS RISER DIAGRAM ON THIS SHEET AND DETAIL ON SHEET P4.2.
- 15. 1-1/4" GAS PIPING ROUTED UP THROUGH ROOF. REFER TO ROOF PENETRATION DETAIL ON SHEET P4.2.
- 16. AREA FOR WATER METER AND BACKFLOW PREVENTER ACCESS.
- 17. TRAP PRIMER. REFER TO DETAIL ON SHEET P4.2.
- 18. IF IRRIGATION SYSTEM IS REQUIRED, PROVIDE 1" TAP, METER AND ASSE 1013 BACKFLOW ASSEMBLY INSIDE BUILDING FOR IRRIGATION SYSTEM. DO NOT PROVIDE IF NOT REQUIRED. CONTRACTOR TO VERIFY REQUIREMENTS WITH CONSTRUCTION MANAGER AND LOCAL CODE AUTHORITY.
- 19. PROVIDE CHECK VALVE, BALL VALVE AND PETE'S PLUGS ABOVE CEILING IN DHWR PIPING.
- 20. PC SHALL ROUTE 3/4" GALVANIZED USED FRYER GREASE PIPING DOWN ON WALL AND HORIZONTALLY TO THE FRYERS PER MANUFACTURERS RECOMMENDATIONS. SECURE INLET PIPE TO WALL WITH STANDOFF BRACKETS AND PIPE COVER, REFER TO PIPE COVER DETAIL ON SHEET P4.1. REFER TO NOTE 22 AND 23 FOR COORDINATION.
- 21. USED FRYER GREASE PIPING ROUTED ABOVE CEILING. INSTALL PIPE PER MANUFACTURERS RECOMMENDATIONS WITH 1/8" MIN SLOPE TO ALLOW FOR RESIDUAL GREASE TO DRAIN INTO STORAGE TANK WHEN THE SYSTEM IS NOT IN USE.
- 22. USED FRYER GREASE HOLDING TANK (96) BY KITCHEN EQUIPMENT SUPPLIER.
- 23. CONNECT TO SODA PROVIDED FILTERED WATER LINE ABOVE CEILING AND PROVIDE 1/2" FW DROP TO 84" AFF TO ICE MAKER (92) WITH WHIP CONNECTOR FURNISHED BY SODA VENDOR. PROVIDE BALL SHUTOFF VALVE, ASSE 1022 LISTED BFP AND FINAL CONNECTION TO EQUIPMENT. COORDINATE EXACT REQUIREMENTS WITH SODA VENDOR.
- 24. 3/4" DCW DOWN IN WALL TO EXTERIOR WALL HYDRANT. PIPE INSULATION TO RUN CONTINUOUSLY WITHIN WALL STRUCTURE. COORDINATE MOUNTING HEIGHT OF WALL HYDRANT WITH ARCHITECT AND ARBY'S CONSTRUCTION MANAGER.
- 25. INSTALL VERTICAL CONCENTRIC ROOF TERMINATION KIT FURNISHED BY WATER HEATER MANUFACTURER. REFER TO DETAIL ON SHEET P4.2.
- 26. PROVIDE 1/2" VALVED DHW DOWN IN WALL TO DISHWASHER (22) AND CONNECT. PROVIDE ASSE 1013 BACKFLOW PREVENTER ON DHW LINE IN AN ACCESSIBLE LOCATION. PROVIDE DRAIN LINE FROM BACKFLOW PREVENTER TO NEAREST DRAIN. COORDINATE EXACT LOCATION OF DRAIN WITH CONSTRUCTION MANAGER.
- 27. PROVIDE 4" CONDUIT IN WALL BETWEEN SODA DISPENSERS FOR SODA CONDUIT. PROVIDE 12X12 CUT OUT HOLE UNDER DRIVE THROUGH COUNTER TO CONNECT SODA LINES.



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PROJECT NUMBER:

ISSUE	DATE
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DOMESTIC WATER & GAS PLAN  
PLUMBING

SHEET:

P2.1