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**KEY NOTES (SYMBOLS ①, ②, ETC.)**

1. Connect To Existing 2" Domestic Water Service At This Approximate Location. Coordinate Exact Location, Tenant Sub-Meter Requirements, And Backflow Requirements In Field With Landlord And Utility. Contractor Shall Verify Main Water Service Size And Location In Field And Notify Engineer Immediately If Design Is Not Buildable As Shown.
2. New Interior, Wall Mounted, Instantaneous Gas Water Heater. Install Water Heater In An Accessible Location Below Ceiling And Maintain Appropriate Working Clearance As Specified In Manufacturer's Installation Instructions. Contractor To Provide And Install All Necessary Shut-off Valves, Required For Future Maintenance Of Tankless Water Heater.
3. Provide P-4 Mixing Valve At Hand Sinks (#5) And Lavatories.
4. Provide Trap Primer As Specified In Details. Run 1/2" Water Lines From Trap Primer Outlet To Floor Drain. Trap Primer Piping Is Shown For Reference Only, Actual Routing Shall Be Determined In-Field By Contractor. Install Per Manufacturer's Instructions.
5. Approximate Location Of Floor Drain. Refer To Sanitary Plan For Exact Location.
6. Provide (1) 1/2" Connection With Stop Valve For Sink And (1) 3/8" Connection With Stop Valve For Chemical Dispenser System. Provide ASSE 1024 Dual Check Backflow Preventer In HW / CW Supply To Chemical Dispenser System.
7. Provide WYE Fitting On Mop Sink Faucet. Hot / Cold Water Rough-In At +36" AFF. Provide ASSE 1024 Dual Check Backflow Preventer In HW / CW Supply To Mop Sink.
8. 3/4" Cold Water In To Filtration System (#5). Refer To Sheet P3.1 For Additional Information. Mount Water Filter As High As Possible To Provide Sufficient Clearance Above Equipment Below; Cold / Filtered Water Connections Shall Turn Out At 96" AFF. Coordinate Water Filter Clearance Requirements In Field With Food Service Consultant And Equipment Prior To Installation.
9. (1) 3/4" Filtered CW To Bag-n-Box (#42). Bag-n-Box Cold Water Rough-In At +96" AFF. Provide ASSE 1024 Dual Check Backflow Preventer In CW Supply To Bag-n-Box.
10. 3/4" Filtered Water. Outlet From Filtration System (#55) To Ice Maker (#8), Tea Brewers (#47) And Steamer (#41).
11. 3/4" Filtered Water Down To 3/4" WYE Fitting For Two Steamer (#34) Connections. Terminate Each Steamer Connection With Hose Bibb. Provide With Water Pressure Reducing Valve With Outlet Pressure Set Between 30 PSI and 35 PSI. Provide ASSE 1024 Dual Check Backflow Preventer In CW Supply To Steamers.
12. 3/4" Filtered CW Down To Ice Maker (#8). Provide ASSE 1024 Dual Check Backflow Preventer In CW Supply To Ice Maker.
13. 3/4" Filtered CW Down To Tea Brewers (#47). Provide ASSE 1024 Dual Check Backflow Preventer In CW Supply To Tea Brewers.
14. 3/4" Filtered Water Outlet From Filtration System (#55) To Beverage Dispenser (#41), Ice Machine (#38), And Beverage Tower / Ice Bin (#46).
15. 1/2" Filtered Cold Water To Ice Machine (#38). Provide ASSE 1024 Dual Check Backflow Preventer In CW Supply To Ice Machine.
16. 3/4" Filtered Cold Water To Beverage Dispenser (#41). Provide ASSE 1022 Dual Check Backflow Preventer In CW Supply To Beverage Dispenser. Pipe Vent To Nearest Floor Drain. Maintain Air Gap At Floor Drain.
17. 3/4" Filtered Cold Water To Beverage Tower / Ice Bin (#46). Provide ASSE 1022 Dual Check Backflow Preventer In CW Supply To Beverage Tower / Ice Bin. Pipe Vent To Nearest Floor Drain. Maintain Air Gap At Floor Drain.
18. Extend New Gas Piping To Meter At Existing Meter Bank Location. New Gas Pipe Sizing Based On IFGC Table 402.4(5) For A 628 CFH Load And 100 Foot Developed Length. Contractor Must Verify Meter Location And Developed Length In Field And Notify Engineer Immediately, Prior To Construction, If Any Discrepancies Occur Or Design Is Not Buildable As Shown.
19. Refer To Details For Gas Pipe Connection Detail.
20. Provide In-Line Appliance Regulator For Water Heaters. Set Outlet Pressure Per Water Heater Manufacturer's Instructions.

**GENERAL NOTES**

1. It Is The Responsibility Of The Plumbing Contractor To Verify All Equipment Rough-Ins With The Appropriate Supplier And To Determine The Most Feasible And Economical Location To Install The New Cold Water, Hot Water, And Gas Lines, Based On Current Plumbing Conditions.
2. Refer To Architectural Drawings For Exact Locations And Elevations Of All Plumbing Fixtures.
3. Contractor Shall Provide Water Hammer Arrestors For All Food Service Equipment Provided With Quick Closing Valves. This Includes, But Is Not Limited To, Ice Maker (#8), Tea Brewer (#47) And Ice Machine (#38) And Beverage Dispenser (#41). Water Hammer Arrestors Shall Be Zurn Model 1250XL Lead-Free Or Equal. Contractor Shall Coordinate And Verify With Owner And Food Service Equipment Contractor Which Food Service Equipment Is Provided With Quick Closing Valves Prior To Installation. Size Water Hammer Arrestor Per PDI Standards.
4. Contractor To Confirm Exact Locations Of Existing Site Connections Prior To Work Beginning.
5. Exact Location Of Existing Incoming Services To Be Coordinated In The Field. Contractor Shall Notify The Architect Immediate If Field Conditions Vary Significantly From Conditions Shown.
6. For All Faucets With A Threaded Hose Connection, Contractor Shall Provide Watts Model LF8 Lead Free Hose Connection Vacuum Breaker To Prevent Backflow.
7. Prior To Commencing Work, The Plumbing Contractor Shall Request Dimensioned Rough-In Drawings From The Kitchen Equipment Contractor. Plumbing Contractor To Coordinate All Final Connection Requirements With The Food Service Drawings And The Kitchen Equipment Contractor.



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**P2.1**