

PLUMBING GENERAL NOTES:

- WORK COVERED BY THESE DOCUMENTS INCLUDES LABOR, MATERIAL, EQUIPMENT, FIXTURES AND SERVICES FOR AND INCIDENTAL TO, THE INSTALLATION OF THE PLUMBING SYSTEMS INDICATED WITHIN THESE CONSTRUCTION DOCUMENTS.
- PRIOR TO SUBMITTING A BID, THIS CONTRACTOR SHALL VISIT THE PROJECT SITE TO VERIFY FIELD CONDITIONS. PRIOR TO BID, NOTIFY ARCHITECT OF ANY DISCREPANCIES WHICH MAY HINDER THE INSTALLATION OF THE SYSTEM AS INDICATED ON THESE DOCUMENTS.
- ALL CUTTING AND CORING OF THE EXISTING FLOORS, WALLS, ETC SHALL BE PATCHED AND SEALED TO MATCH THE EXISTING CONDITIONS.
- ALL WORK SHALL BE PERFORMED TO COMPLY WITH LOCAL, STATE AND FEDERAL REGULATIONS. THIS CONTRACTOR IS RESPONSIBLE FOR THE LABOR AND COSTS ASSOCIATED WITH OBTAINING CONSTRUCTION PERMITS.
- EXCEPT WHERE DIMENSIONS ARE SPECIFICALLY SHOWN, THESE DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. THE EQUIPMENT'S ACTUAL SIZE WAS USED IN THE DEVELOPMENT OF THESE DOCUMENTS.
- REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR DIMENSIONS AND PENETRATION LOCATIONS.
- THE DOCUMENTS DO NOT SHOW ALL NECESSARY FITTINGS AND OFFSETS FOR A COMPLETE INSTALLATION. ALTHOUGH NOT SHOWN, IT IS THIS CONTRACTOR'S RESPONSIBILITY TO PROVIDED ALL NEEDED FOR A COMPLETE AND FUNCTIONING SYSTEM UPON THE COMPLETION OF THE PROJECT.
- PRIOR TO ORDERING ANY EQUIPMENT, THIS CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL SUBCONTRACTOR AND GENERAL CONTRACTOR. THIS CONTRACTOR SHALL PROVIDE, PHASE, AMPERAGE, AND VOLTAGE OF ALL EQUIPMENT TO THE ELECTRICAL SUBCONTRACTOR AND WEIGHTS AND DIMENSIONS TO THE GENERAL CONTRACTOR. ANY COST ISSUES SHALL BE DETERMINED PRIOR TO ORDERING THE EQUIPMENT.
- VALVES AND FITTINGS SHALL BE THE SAME SIZE AS THE PIPING IN WHICH THEY ARE INSTALLED.
- FOR ALL PENETRATIONS THROUGH EXTERIORS WALLS OR ROOF, SEAL WITH WATER PROOFING AND MAKE LEAK TIGHT.
- FOR ALL PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS AND BARRIERS PROVIDE FIRE STOPPING TO MAINTAIN FIRE RATING.
- PROVIDE PIPE SUPPORTS AS REQUIRED BY THE LOCAL CODES IN EFFECT AS AS NECESSARY TO PREVENT SWAY.
- CHANGES IN DIRECTION OF SANITARY PIPING SHALL NOT BE MADE WITH FITTINGS WHICH WILL REDUCE THE FLOW VELOCITY OR CREATE ANY OTHER ADVERSE EFFECT ON THE GRAVITY FLOW OF THE SYSTEM.
- ROUTE ALL PIPING CONCEALED ABOVE CEILINGS, WITHIN WALLS, OR CHASES AS SHOWN IN THESE DOCUMENTS. PIPING ROUTED IN EXPOSED AREAS SHALL BE HELD TIGHT TO STRUCTURE AND PAINTED TO MATCH THE SURROUNDING STRUCTURE. PIPING IN MECHANICAL SPACES DO NOT REQUIRE PAINTING.
- PROVIDE ACCESS PANELS FOR ALL VALVES. FIELD COORDINATE ACCESS PANEL LOCATIONS.
- CONTRACTOR SHALL FIELD VERIFY INVERT ELEVATIONS PRIOR TO INSTALLATION AND AT THE INITIAL SITE VISIT.
- CONTRACTOR SHALL INSTALL DIELECTRIC UNIONS AT CONNECTIONS OF DISSIMILAR METALS.
- CONTRACTOR SHALL ROUGH-IN ALL WASTES AND SUPPLIES TO EQUIPMENT USING MANUFACTURER'S CERTIFIED SHOP DRAWINGS AND MAKE FINAL CONNECTIONS. ALL SUPPLIES SHALL BE VALVED IN AN ACCESSIBLE LOCATION. INSTALL VACUUM BREAKERS WHERE REQUIRED BY LOCAL AUTHORITIES.
- INTERIOR PIPING SHALL BE ROUTED PARALLEL AND PERPENDICULAR TO WALLS IN A WORKMANLIKE MANNER. PROVIDE OFFSETS AS REQUIRED TO AVOID INTERFERENCES WITH ARCHITECTURAL OR STRUCTURAL COMPONENTS.
- REFER TO ARCHITECTURAL AND INTERIOR DESIGN DOCUMENTS FOR ACTUAL MOUNTING HEIGHTS AND LOCATIONS OF PLUMBING FIXTURES.
- ALL EXPOSED PIPING AT PLUMBING FIXTURES SHALL BE CHROME PLATED BRASS WITH ESCROWON PLATES AT ALL FLOOR OR CEILING PENETRATIONS.
- THE OWNER, OPERATOR, ARCHITECTURAL NOR ENGINEER ARE RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS, MEANS AND METHODS, WORK TECHNIQUES, CONSTRUCTION SEQUENCE OR PROCEDURES REQUIRED TO COMPLETE THE WORK.
- SANITARY WASTE AND VENT PIPING LOCATED IN FIRE RATED WALL ASSEMBLIES SHALL BE CAST IRON WITH NO-HUB OR BELL AND SPIGOT FITTINGS.
- ALL FLOOR DRAINS TO HAVE TRAP PRIMER CONNECTIONS.
- SANITARY: ABOVE AND BELOW GRADE SERVICE WEIGHT CAST IRON, NO-HUB PLAIN END MEETING ASTM A-888 AND CISPI STANDARD 301. ABOVE GRADE SERVICE WEIGHT CAST IRON HUB & SPIGOT ASTM A24-72 OR SCHEDULE 40 PVC DWV PIPE. PVC MAY BE USED IF APPROVED BY LOCAL AUTHORITY HAVING JURISDICTION.
- FITTINGS AND JOINTS: SERVICE WEIGHT CAST IRON, NO-HUB, PLAIN END MEETING ASTM A-888 AND CISPI STANDARD 301, COUPLINGS SHALL BE STAINLESS STEEL, HEAVY DUTY, NO-HUB. PVC SOCKET TYPE, SOLVENT WELDED PVC PLASTIC.
- DOMESTIC WATER: ABOVE GRADE DOMESTIC WATER PIPE: TYPE L HARD DRAWN COPPER TUBING WITH WROUGHT COPPER FITTINGS, SOLDERED JOINTS, LEAD FREE SOLDER. 3/4" COLD WATER AND 1" HOT WATER THICK FIBERGLAS OR ARMAFLEX INSULATION. BELOW GRADE DOMESTIC WATER PIPING: TYPE K HARD DRAWN COPPER. NO JOINTS SHALL BE MADE BELOW GRADE.
- ALL EQUIPMENT, FIXTURES, PIPING, VALVES AND FITTINGS SHALL BE CLEANED OF GREASE, OIL PINT, METL SHAVINGS AND CONSTRUCTION DEBRIS BEFORE FINAL INSPECTION.
- VALVES: DOMESTIC WATER: NIBCO, CRANE, OR MILWAUKEE.
- INSTALLATION: ALL EQUIPMENT AND PRODUCTS SHALL BE INSTALLED PER MANUFACTURER'S WRITTEN REQUIREMENTS. PROVIDE ACCESS AND CLEARANCE FOR ALL EQUIPMENT REQUIRING MAINTENANCE.
- TESTING: TEST SANITARY AND VENT PIPING PRIOR TO THE INSTALLATION OF FIXTURES. HYDROSTATIC TEST SHALL BE PERFORMED WITH PIPE CAPPED AT FIXTURE CONNECTIONS. FILL PIPING WITH WATER AND ALLOW TO STAND FOR ONE HOUR. TEST DOMESTIC WATER PIPING PRIOR TO THE INSTALLATION OF FIXTURES. HYDROSTATIC TEST SHALL BE PERFORMED WITH PIPE CAPPED AT FIXTURE CONNECTIONS. HYDROSTATIC TEST PRESSURE SHALL BE 125 PSI AND HELD FOR ONE HOUR.
- DOMESTIC WATER PIPING SHALL BE DISINFECTED PRIOR TO BEING BACK INTO SERVICE. DISINFECTION SHALL MEET THE REQUIREMENTS OF AWWA AND THOSE OF THE LOCAL AUTHORITY.
- ALL PLUMBING FIXTURES SHALL BE HIGH EFFICIENT.

PLUMBING PIPING SCHEDULE

SERVICE	MATERIAL	JOINTS	FITTINGS
SANITARY SEWER PIPES AND VENTS	CAST IRON	LEAD AND OAKUM	NO HUB
DOMESTIC HOT & COLD WATER INTERIOR	TYPE "L" HARD DRAWN COPPER	SOLDER 95/5	WROUGHT COPPER
DOMESTIC COLD WATER EXTERIOR	TYPE "K" HARD DRAWN COPPER	SOLDER 95/5	WROUGHT COPPER
CONDENSATE DRAIN	SCHEDULE 40 PVC	PVC SOLVENT	PVC SOLVENT
DOMESTIC WATER BENEATH FLOOR	TYPE "M" SOFT DRAWN COPPER	SOLDER 95/5	WROUGHT COPPER

FOR SANITARY SEWER PIPES AND VENTS: PVC MAY BE USED IF APPROVED BY LOCAL AUTHORITIES. PVC MAY NOT BE USED IN RETURN AIR PLENUMS

FIXTURE CONNECTION SCHEDULE

ITEM	DESCRIPTION	WASTE	CW	HW	NOTES
①	WATER CLOSET- SEE ARCHITECTURALS FOR FIXTURES AND TRIM	4"	1"	-	②③④⑤
②	LAVATORY- SEE ARCHITECTURALS FOR FIXTURES AND TRIM	1 1/4"	1/2"	1/2"	①②③④⑤
③	BI LEVEL DRINKING FOUNTAIN - SEE ARCHITECTURALS FOR FIXTURES AND TRIM	1 1/4"	1/2"	-	①②③⑥
④	SHOWER- SEE ARCHITECTURALS FOR FIXTURES AND TRIM	2"	1/2"	1/2"	①②③④⑤⑥
⑤	MOP SINK- SEE ARCHITECTURALS FOR FIXTURES AND TRIM	2"	1/2"	1/2"	①②③④⑤
WH-1 WH-2 WH-3 WH-4 WH-5	ELECTRIC WATER HEATER- 6-GALLON, 2 KW AO SMITH, DEL-85-2	-	3/4"	-	⑦⑧
WH-6	ELECTRIC WATER HEATER- 30-GALLON, 6 KW AO SMITH, DEL-30S-6	-	3/4"	-	⑦⑧

- CRANE CAST BRASS P-TRAP #JJ 8-5270 (SIZE AS REQUIRED) P-TRAP IN CONCEALED SPACES MAY BE PVC.
- MCGUIRE HEAVY LAVATORY SUPPLY STOP #H2165CCH/W/ CHROME RISER TUBING (2) OR MCGUIRE HEAVY CLOSET SUPPLY STOP #H2166CCH/W/ CHROME RISER TUBE.
- FIXTURES SHALL HAVE THE MAXIMUM FLOW RATES OF:  
WATER CLOSET: 1.28 GALLON PER FLUSH  
LAVATORY: 1.5 GALLON PER MINUTE  
KITCHEN SINK: 2.0 GALLON PER MINUTE  
SHOWER: 2.5 GALLON PER MINUTE
- TRUEBRO LAV-GUARD, MODEL AS REQUESTED FOR P-TRAP AND ANGLE STOPS W/ SUPPLIES ASSEMBLIES.
- FINAL CONNECTION BY PLUMBING CONTRACTOR.
- PROVIDE SHOWER VALVE SET WITH MAXIMUM TEMPERATURE OF 110°F
- SET WATER HEATER DISCHARGE AT 120°F.
- PROVIDE EXPANSION TANK, CONTROL ST-12, OR EQUAL

REVISIONS:	NO.	DATE	DESCRIPTION

RETAIL DEVELOPMENT  
**POP'S WINE & SPIRITS**  
 2-1764 TR A-B MCFARLAND 400 IND PARK  
 MCFARLAND PKWY ALPHARETTA GA 30004

PLUMBING SCHEDULES, NOTES  
 PROJ. NO: 201834  
 DATE: 01/18/2019