

PLUMBING GENERAL NOTES

- FURNISH ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED FOR THE COMPLETION AND OPERATION OF ALL SYSTEMS IN THIS SECTION OF WORK IN ACCORDANCE WITH ALL APPLICABLE CODES.
- ALL PLUMBING FIXTURES AND PLUMBING SYSTEM EQUIPMENT SHALL BE PROVIDED COMPLETE WITH ALL ACCESSORIES, HANGERS, VALVES, STOPS, TAILPIECES, TRAPS, FAUCETS, STRAINERS, ETC. SEE FIXTURE SCHEDULE.
- FURNISH AND INSTALL COMPLETE SYSTEMS OF SOIL, WASTE, VENT, HOT AND COLD WATER PIPING FROM ALL PLUMBING FIXTURES, AND/OR OTHER EQUIPMENT.
- CLEANOUT PLUGS SHALL BE INSTALLED IN ACCORDANCE WITH PLUMBING CODE REQUIREMENTS. PROVIDE CLEANOUTS AT THE BASE OF ALL WASTE STACKS, AT EVERY FOUR 45 DEGREE TURNS, AND AT EVERY 100 FEET. CLEANOUTS SHALL BE PLACED IN READILY ACCESSIBLE LOCATIONS.
- ALL SOIL, WASTE, AND VENT LINES SHALL BE CONCEALED IN THE BUILDING CONSTRUCTION.
- COPPER PIPING SHALL BE PROTECTED AGAINST CONTACT WITH MASONRY OR DISSIMILAR METALS. ALL HANGERS, SUPPORTS, ANCHORS, AND CLIPS SHALL BE COPPER OR COPPER PLATED. WHERE COPPER PIPING IS CARRIED ON IRON TRAPEZE HANGERS WITH OTHER PIPING, SATISFACTORY AND PERMANENT ELECTROLYTIC ISOLATION MATERIAL SHALL PROTECT THE COPPER AGAINST CONTACT WITH OTHER METALS.
- WHERE COPPER PIPING IS SLEEVED THROUGH MASONRY, SLEEVES SHALL BE COPPER OR RED BRASS. WHERE COPPER MUST BE CONCEALED IN A MASONRY PARTITION OR AGAINST MASONRY, CONTACT SHALL BE PREVENTED BY COATING THE COPPER HEAVILY WITH ASPHALTIC ENAMEL AND PROVIDING 1/8" ASPHALT SATURATED FELT BETWEEN THE PIPE AND MASONRY.
- THE PLUMBING CONTRACTOR SHALL COORDINATE CLOSELY WITH THE MECHANICAL AND THE ELECTRICAL CONTRACTORS TO AVOID CONFLICT WITH OTHER TRADES.
- CEILING AREA HAS LIMITED SPACE. CONTRACTOR MUST COORDINATE WITH OTHER TRADES FOR ALL STRUCTURES, PIPING, CONDUIT, DUCTWORK, LIGHTING, ETC. TO PROPERLY BE INSTALLED.
- ALL PIPE INSULATION SHALL RUN CONTINUOUSLY THROUGH FLOORS, WALLS, AND PARTITIONS.
- PROVIDE DRAIN VALVES IN THE HOT AND COLD WATER SYSTEM AT ALL LOW POINTS TO ALLOW FOR COMPLETE DRAINAGE.
- VACUUM BREAKERS SHALL BE PROVIDED FOR ALL FIXTURES TO WHICH HOSES MAY BE ATTACHED. VACUUM BREAKERS SHALL BE PERMANENTLY ATTACHED.
- WASTE AND VENT PIPING SHALL BE AS FOLLOWS:
BELOW SLAB: IF ALLOWED BY AHJ; SOLID WALL PVC PIPE, PVC SOCKET FITTINGS, AND SOLVENT-CEMENTED FITTINGS.
ABOVE SLAB: IF ALLOWED BY AHJ; PVC PIPE, PVC SOCKET FITTINGS, AND SOLVENT-CEMENTED FITTINGS.
BELOW SLAB: IF PVC IS NOT PERMITTED; SERVICE WEIGHT HUB AND SPIGOT CAST IRON PIPING WITH HUB AND SPIGOT CAST IRON FITTINGS AND COMPRESSION GASKETS ABOVE SLAB. SERVICE WEIGHT NO-HUB CAST IRON PIPING WITH CAST IRON FITTINGS AND HEAVY DUTY BANDS.
- STORM PIPING SHALL BE AS FOLLOWS:
BELOW SLAB: PVC PIPE, PVC SOCKET FITTINGS, AND SOLVENT-CEMENTED FITTINGS.
ABOVE GROUND: SERVICE WEIGHT NO-HUB CAST IRON PIPING.
INSULATION IS REQUIRED ON ALL ROOF DRAIN BODIES AND HORIZONTAL RUNS (ABOVE SLAB). 1/2" THICK RIGID MOLDED FIBERGLASS WITH FITTINGS INSERTS, PVC COVERS, AND VAPOR BARRIER JACKET.
- DOMESTIC WATER PIPING ABOVE AND BELOW SLAB SHALL BE PEX TUBING. INSULATION IS REQUIRED ON ALL WATER SUPPLY PIPING ABOVE FINISHED FLOOR WITH INSULATION HAVING A MINIMUM R FACTOR OF 6.5 DETERMINED AT 75°F IN ACCORDANCE WITH ASTM C-177 OF NC INTERNATIONAL PLUMBING CODE OR PER LOCAL JURISDICTION.
- INVERT ELEVATIONS SHALL BE ESTABLISHED AND VERIFIED BEFORE WASTE PIPING IS INSTALLED SO THAT PROPER SLOPES WILL BE MAINTAINED.
- THE PLUMBING CONTRACTOR SHALL PROVIDE WATER HAMMER PROTECTION ON ALL WATER DISTRIBUTION PIPING WHERE QUICK-CLOSING VALVES ARE UTILIZED. INSTALLATION OF AIR CHAMBERS OR SHOCK ARRESTORS SHALL BE IN ACCORDANCE WITH PDI-MH201. SEE SHOCK ARRESTOR SCHEDULE (IF PROVIDED).
- PROVIDE FULL PORT VALVES IN ALL BRANCH LINES OF THE HOT AND COLD WATER DISTRIBUTION SYSTEM ON 1/2" AND LARGER CH & HW AND AS SHOWN ON PLANS, RISERS, AND SCHEMATIC DETAILS.
- REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS OF PLUMBING FIXTURES.
- PROVIDE ACCESS DOORS FOR ALL VALVES AND DEVICES REQUIRING ACCESS WHEN LOCATED IN WALLS OR ABOVE INACCESSIBLE CEILING CONSTRUCTION.
- PROVIDE DEEP SEAL TRAPS FOR ALL FLOOR DRAINS.
- WHERE EARTHQUAKE LOADS ARE APPLICABLE IN ACCORDANCE WITH THE NC INTERNATIONAL PLUMBING CODE, PIPING AND EQUIPMENT SUPPORTS SHALL BE DESIGNED AND INSTALLED FOR THE SEISMIC FORCES IN ACCORDANCE WITH THE NC BUILDING CODE.
- PROVIDE A U.L. LISTED ASSEMBLY FOR ALL PENETRATIONS THRU FIRE RATED WALLS AND FLOORS.
- PROVIDE PRESSURE REDUCING VALVE IF PRESSURE EXCEEDS 120 PSI.
- ALL SUSPENDED MATERIALS AND EQUIPMENT SHALL BE INDIVIDUALLY SUPPORTED FROM THE BUILDING STRUCTURE. DO NOT SUSPEND ITEMS FROM THE CEILING OR ITS SUPPORT SYSTEM.

PLUMBING LEGEND

---	DOMESTIC COLD WATER PIPING
---	105° DOMESTIC HOT WATER PIPING
---	VENT PIPING
---	WASTE (SANITARY SENER)
SD	STORM PIPING BELOW GRADE
---	STORM OR CONDENSATE PIPING
+	FULL PORT VALVE
+	CHECK VALVE
+	DOUBLE CHECK VALVE
○	PIPE UP
○	PIPE DOWN
P-I	FIXTURE DESIGNATION
□	FLOOR DRAIN
AAV	AIR ADMITTANCE VALVE
ABV	ABOVE
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
CH	COLD WATER
DN	DOWN
E.C.	ELECTRICAL SUB-CONTRACTOR
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FPFB	FREEZE PROOF HOSE BIBB
FR	FROM
G.C.	GENERAL CONTRACTOR
GCO	GRADE CLEAN OUT
HB	HOSE BIBB
HW	HOT WATER
M.C.	MECHANICAL SUB-CONTRACTOR
P.C.	PLUMBING SUB-CONTRACTOR
V	VENT
W	WASTE
WCO	WALL CLEAN OUT

PLUMBING FIXTURE SPECIFICATIONS AND CONNECTION SCHEDULE (RESIDENTIAL UNITS)

MARK	FIXTURE	TYPE	MANUFACTURER	MODEL NO.	MATERIAL	STYLE	FAUCET/VALVE			DRAIN		SUPPLIES AND STOPS	PIPE SIZES			MOUNTING	REMARKS		
							MANUFACT. MODEL NO.	SPROUT	HANDLES	CENTERS	TYPE		SIZE	WASTE	VENT			CH	HW
WC	WATER CLOSET	FLUSH TANK	AMERICAN STANDARD	CADET 2998.012	VITREOUS CHINA	HANDICAP ELONGATED	-	-	-	-	-	McGUIRE 166LK	4"	2"	1/2"	-	FLOOR	PROVIDE WITH OLSONITE #16 SEAT. SEE NOTE 1.	
LAV	LAVATORY	WALL HUNG	AMERICAN STANDARD	0124.024	VITREOUS CHINA	HANDICAP SHELFBACK	DELTA 523 WF HDF	STANDARD	SINGLE LEVER	4"	GRID	1/2"	McGUIRE 185	1 1/2"	1 1/2"	1/2"	1/2"	WALL HUNG	SEE NOTE 2.
S-I	MOP SINK	FLOOR MOUNTED	MUSTEE	19F	TERRAZZO	20" X 24" 34" HIGH	MUSTEE 93.600	THREADED	TWO HANDLES	4"	-	-	-	3"	1 1/2"	3/4"	3/4"	FLOOR	PROVIDE MOP HANGER, HOSE, HOSE BRACKET, AND VACUUM BREAKER.
HB	HOSE BIBB	STANDARD	WOODFORD	24P	CAST BRASS	WALL FAUCET	-	-	LOOSE KEY	-	-	-	-	-	-	3/4"	-	WALL	INTERGRAL VACUUM BREAKER
FPFB	WALL HYDRANT	FREEZE PROOF	J.R. SMITH	5509GT	CAST BRASS	BOX FAUCET	-	-	LOOSE KEY	-	-	-	-	-	-	1/2"	-	WALL	PROVIDE WITH INTERGRAL VACUUM BREAKER.
WCO	WALL CLEAN-OUT	ROUND TOP	JOSAM	58890	STAINLESS STEEL	BRONZE PLUG	-	-	-	-	-	-	-	-	-	-	-	WALL	-
FCO	FLOOR CLEAN-OUT	SQUARE TOP	JOSAM	56030	CAST IRON	BRONZE PLUG	-	-	-	-	-	-	-	-	-	-	-	FLOOR	-
GCO	GRADE CLEAN-OUT	ROUND TOP	JOSAM	56040	CAST IRON	BRONZE PLUG	-	-	-	-	-	-	-	-	-	-	-	GRADE	PROVIDE 24"X24"X4" THICK CONCRETE PAD AT GRADE.
WH	WATER HEATER	ELECTRIC	EEMAX	SP35	-	COMMERCIAL	-	-	-	-	-	-	-	-	-	-	1/2"	UNDER COUNTER	INSTANTANEOUS WATER HEATER 3.5KW, @ 240V, I/FH, 48" F RISE AT 0.5 GPM

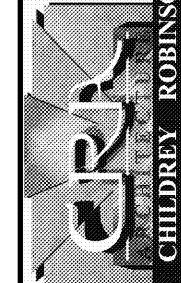
- NOTES:
 1. SEE ARCH. ELEVATIONS FOR TRIP LEVER LOCATION. INSTALL TRIP LEVER TO WIDE SIDE OF STALL. SPECIFY TRIP LEVER LOCATION WHEN ORDER.
 2. INSULATE HOT AND COLD WATER SUPPLIES AND P-TRAP WITH TRUEBRO MODEL 102 INSULATION KIT.

NOTE:
 THE FAUCET RESTROOM IS A PRIVATE RESTROOM AND THAT, AS A DRIVE-THRU SERVICE, THE RESTROOM ARE FOR SERVICE PERSONNEL ONLY.



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SEALS

REVISIONS

REV.	DESCRIPTION

DATE
 06-24-2019

SHEET NAME
 SCHEDULE, NOTES AND LEGENDS

SHEET NUMBER
 P-1

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