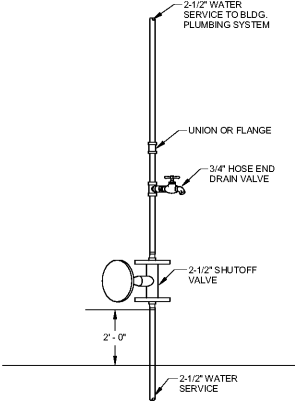
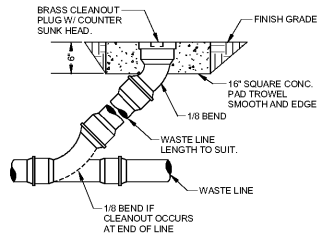


1. WATER HEATER
2. HOT WATER TO SYSTEM
3. COLD WATER SUPPLY
4. SHUT-OFF VALVE
5. VACUUM RELIEF VALVE
6. DIELECTRIC UNION
7. 3/4" PRESSURE AND TEMPERATURE RELIEF VALVE
8. DRAIN VALVE
9. RELIEF VALVE DISCHARGE PIPED FULL SIZE TO MOP SINK
10. THERMAL EXPANSION TANK (2 GAL.)

1 TANKLESS WATER HEATER DETAIL
P0.01 NOT TO SCALE



3 WATER SERVICE RISER DETAIL
P0.01 NOT TO SCALE



2 CLEANOUT TO GRADE DETAIL
P0.01 NOT TO SCALE

ITEM	DESCRIPTION	MINIMUM CONNECTION SIZE (INCHES)				MOUNTING HEIGHT REMARKS (ABOVE FLOOR)
		HOT WATER	COLD WATER	WASTE	VENT	
P-1A	WATER CLOSET	—	1"	3"	1-1/2"	15" RIM HT.
P-1B	WATER CLOSET - H.C.	—	1"	3"	1-1/2"	16" RIM HT.
P-2A	URINAL	—	3/4"	2"	1-1/2"	24" RIM HT.
P-2B	URINAL - H.C.	—	3/4"	2"	1-1/2"	17" RIM HT.
P-3	LAVATORY - H.C.	—	1/2"	1-1/4"	1-1/2"	COUNTERTOP - PUSHBUTTON METERING
P-4	MOP SINK	1/2"	1/2"	3"	1-1/2"	FLOOR MTD. / 36" FAUCET HT.
EWG-1	BILEVEL ELECTRIC WATER COOLER - H.C.	—	1/2"	1-1/2"	1-1/2"	42" & 34" GRIFACE HTS.

ITEM	CAPACITY	RECOVERY RATE	FUEL	ELECTRICAL CHARACTERISTICS	LOCATION	REMARKS
WH-2	NO STORAGE 8.3 KW INPUT	1.5 GPM @ 30" RISE	ELEC.	SEE ELECTRICAL DWGS.	JANITOR'S CLOSET 28	---

HAMMER ARRESTOR SCHEDULE		
ITEM	PDUNIT	FIXTURE UNIT
HA	A	1-11
HA	B	12-32
HA	C	33-60
HA	D	61-113
HA	E	114-154

PLUMBING LEGEND		
ABBREVIATION	SYMBOL	DESCRIPTION
HWR	---	HOT WATER RETURN PIPING
H	---	HOT WATER PIPING
T	---	TEMPERED HOT WATER PIPING
C	---	COLD WATER PIPING
G	---	GAS PIPING
ST	---	STORM DRAIN PIPING (ABOVE GROUND)
ST	---	STORM DRAIN PIPING (BELOW GROUND)
OF	---	OVERFLOW DRAIN PIPING
CA	---	COMPRESSED AIR PIPING
S/W	---	SOIL AND WASTE PIPING
V	---	VENT PIPING
SOLE VALVE	---	SOLE VALVE
SHUT-OFF VALVE	---	SHUT-OFF VALVE
TRIP CHECK VALVE	---	TRIP CHECK VALVE
FLOW CONTROL	---	FLOW CONTROL
CONNECT TO EXISTING	---	CONNECT TO EXISTING
HOSE BIBB (WALL BOX) FREEZE PROOF	---	HOSE BIBB (WALL BOX) FREEZE PROOF
HOSE BIBB (WALL BOX) NON-FREEZE PROOF	---	HOSE BIBB (WALL BOX) NON-FREEZE PROOF
ROOF HYDRANT NON-FREEZE PROOF	---	ROOF HYDRANT NON-FREEZE PROOF
HOSE BIBB (INTERIOR)	---	HOSE BIBB (INTERIOR)
WALL CLEAN OUT	---	WALL CLEAN OUT
ROOF DRAIN - TYPE	---	ROOF DRAIN - TYPE
FLOOR CLEAN OUT	---	FLOOR CLEAN OUT
GRADE CLEAN OUT	---	GRADE CLEAN OUT
FLOOR DRAIN - TYPE	---	FLOOR DRAIN - TYPE
WATER HAMMER ARRESTOR - SIZE	---	WATER HAMMER ARRESTOR - SIZE
DOWNSPOUT NOZZLE	---	DOWNSPOUT NOZZLE
VENT THRU ROOF	---	VENT THRU ROOF
VENT THRU SIDEWALL	---	VENT THRU SIDEWALL
ABOVE FINISH FLOOR	---	ABOVE FINISH FLOOR
ABOVE FINISH GRADE	---	ABOVE FINISH GRADE
ABOVE CEILING	---	ABOVE CEILING
BELOW FLOOR	---	BELOW FLOOR
GALLONS PER MINUTE	---	GALLONS PER MINUTE
POUNDS PER SQUARE INCH	---	POUNDS PER SQUARE INCH
UNDER GROUND	---	UNDER GROUND
TYPICAL	---	TYPICAL
TRAP PRIMER	---	TRAP PRIMER
HANDICAP ACCESSIBLE	---	HANDICAP ACCESSIBLE
GALLONS PER HOUR	---	GALLONS PER HOUR
CONNECTION	---	CONNECTION
ARCHITECTURAL	---	ARCHITECTURAL
PRESSURE	---	PRESSURE
WATER COLUMN	---	WATER COLUMN
DRAWINGS	---	DRAWINGS

GENERAL PLUMBING NOTES

1. ALL SITE UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. VERIFY EXACT LOCATION AND INVERT ELEVATION IN FIELD BEFORE BEGINNING WORK.
2. ALL SUSPENDED PIPING SHALL BE SUPPORTED FROM FLOOR AND/OR ROOF STRUCTURAL MEMBERS. IN NO CASE SHALL PIPING BE SUSPENDED FROM FLOOR OR ROOF DECK LESS THAN 4" THICK CONCRETE.
3. FIRE STOP ALL PENETRATIONS OF FIRE RATED ASSEMBLIES. REFER TO ARCHITECTURAL DRAWINGS FOR ASSEMBLY RATINGS.
4. PIPING INSTALLED IN PLENUM SPACES SHALL MEET ASTM E-84, ASTM E-136 AND UL 723 STANDARDS FOR FLAME SPREAD AND SMOKE GENERATION. COORDINATE PLENUM LOCATIONS WITH MECHANICAL CONTRACTOR.
5. COORDINATE ALL WORK WITH OTHER TRADES.
6. PROVIDE IN-LINE TRAP SEAL DEVICES ON ALL FLOOR DRAINS NOT PROVIDED WITH TRAP PRIMERS.
7. PROVIDE DRAIN VALVES AT ALL LOW POINTS IN ALL WATER PIPING SYSTEMS.
8. PIPING FROM TRAP PRIMERS TO DRAINS INSTALLED BELOW FLOOR SLAB SHALL BE TYPE L SOFT COPPER TUBING WITH NO JOINTS BELOW THE SLAB.
9. ALL WATER, VENT, OVERFLOW, COMPRESSED AIR AND GAS PIPING SHALL BE INSTALLED ABOVE THE CEILING UNLESS NOTED OTHERWISE.
10. ALL SOIL, WASTE, AND STORM PIPING SHALL BE INSTALLED BELOW THE FLOOR UNLESS NOTED OTHERWISE.
11. PROVIDE CLEANOUTS AT THE BASE OF ALL STORM DRAIN RISERS AND ALL SOIL AND WASTE PIPING OVER ONE STORY IN HEIGHT. ALL WALL CLEANOUTS SHALL BE INSTALLED AT 18" ABOVE FINISHED FLOOR.
12. WALL HYDRANTS SHALL BE MOUNTED 1'-6" ABOVE FINISHED GRADE.
13. HOSE BIBBS SHALL BE MOUNTED 1'-6" ABOVE FINISHED FLOOR.
14. LOCATE ALL DRAINAGE PIPING AND CLEANOUTS CENTERED IN CORRIDORS UNLESS NOTED OTHERWISE. COORDINATE THE LOCATIONS OF CLEANOUTS WITH FLOOR PATTERN. ALL CLEANOUTS AT THE EXIT OF CORRIDORS SHALL BE TWO-WAY CLEANOUTS.
15. ROUTE DRAIN AND HOT WATER SUPPLY PIPING TO UNDERCOUNTER DISHWASHERS FROM ADJACENT SINKS.
16. ALL VENT TERMINALS SHALL BE LOCATED A MINIMUM OF 10 FEET FROM ANY DOOR, OPERABLE WINDOW, OR FRESH AIR INTAKE.
17. WHERE MOUNTING HEIGHTS OF FIXTURES CONFLICT WITH THE FIXTURE HEIGHTS ON THE ARCHITECTURAL DRAWINGS, THE HEIGHTS SHOWN ON THE ARCHITECTURAL DRAWINGS SHALL TAKE PRECEDENCE.

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SHEET NAME: PLUMBING SCHEDULES & DETAILS

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DATE	DESCRIPTION
APRIL 5, 2018	100% SCHEMATIC DESIGN
OCT. 29, 2018	100% DESIGN DEVELOPMENT
APRIL 5, 2019	80% CONST. DOCUMENTS
MAY 17, 2019	100% CONST. DOCUMENTS