

1 ENLARGED PLUMBING PLAN - GRAVITY PIPING  
SCALE: 1/4" = 1'-0"

2 PLUMBING KEY PLAN - GRAVITY PIPING  
SCALE: 1/16" = 1'-0"

PLUMBING LEGEND

- DOMESTIC COLD WATER PIPING
  - - - EXIST. DOMESTIC COLD WATER
  - DOMESTIC HOT WATER PIPING
  - - - EXIST. DOMESTIC HOT WATER
  - FW FILTERED WATER
  - VENT PIPING
  - WASTE (SANITARY SEWER)
  - EXIST. WASTE (SANITARY SEWER)
  - GREASE WASTE
  - G.W. INST. GREASE WASTE
  - GS GAS PIPING
  - SS GAS PIPING
  - GV GAS VALVE
  - SV GAS SOLENOID VALVE
  - GL GATE VALVE
  - BV BALANCING VALVE
  - CV CHECK VALVE
  - UNION
  - PIPE UP
  - PIPE DOWN
  - FLOOR DRAIN
  - HUB DRAIN
  - OR □ FLOOR SINK
  - FLOOR CLEAN OUT
  - GRADE CLEAN OUT
  - WALL CLEAN OUT
  - XXX KITCHEN EQUIPMENT ITEM NUMBER
  - P-1 FIXTURE DESIGNATION
  - AFF ABOVE FINISHED FLOOR
  - PC PLUMBING SUB-CONTRACTOR
  - GC GENERAL CONTRACTOR
  - MC MECHANICAL SUB-CONTRACTOR
  - EC ELECTRICAL SUB-CONTRACTOR
  - FCO FLOOR CLEAN OUT
  - WCO WALL CLEAN OUT
  - GCO GRADE CLEAN OUT
  - HB HOSE BIBB
  - FD FLOOR DRAIN
  - FS FLOOR SINK
  - HD HUB DRAIN
  - CW COLD WATER
  - HW HOT WATER
  - TW TEMPERED WATER
  - FW FILTERED WATER
  - AAV AIR ADMITTANCE VALVE
  - ⊕ TIE INTO EXISTING
- NOT ALL SYMBOLS AND ABBREVIATIONS IN THIS LEGEND WILL APPEAR IN DRAWING.

PLUMBING FIXTURE SCHEDULE													
MARK	FIXTURE	CONN.			MANUFAC. & MODEL	DESCRIPTION	MARK	FIXTURE	CONN.			MANUFAC. & MODEL	DESCRIPTION
		W	CW	HW					W	CW	HW		
P-1	WATER CLOSET (HANDICAP)	4"	1-1/2"	-	AM. STD. 3248.102	VITREOUS CHINA, 16-3/4" HIGH ELONGATED BOWL, 1.6 GPF. SIPHON JET. W/ ZURN Z-6000-WS1-YBYC FLUSH VALVE MOUNTED 11" ABOVE WATER CLOSET. CHURCH 9500CT OPEN FRONT SEAT, WHITE SOLID PLASTIC.	HD-1	HUB	3"	-	-	SEE DETAIL SHEET P4	
P-2	WATER CLOSET (HANDICAP)	4"	1-1/2"	-	AM. STD. 3248.102	SAME AS "P-1" EXCEPT WITH RIGHT-HAND TRIP LEVER.	FCO	FLOOR CLEANOUT	4"	-	-	PLASTIC ODDITIES PCO-700R	ADJUSTABLE CLEANOUT ASSEMBLY WITH BRONZE COVER AND METAL RING
P-3	LAVATORY (HANDICAP)	1-1/4"	1/2"	1/2"	AM. STD. 9141.011	WALL HUNG WITH 4" FAUCET HOLES, 9141.011 - AM. STD. PROVIDE CHICAGO FAUCET: 3514E2805ABC. 2" DECK MOUNT METERING LAVATORY FAUCET. POLISH CHROME FINISH. FAUCET SHALL BE SET IN 1/4" OR PRESET FROM FACTORY TO HAVE 1/2" SEC. RUN TIME.	FCO	GRADE CLEANOUT	4"	-	-	PLASTIC ODDITIES PGI-822R	PROVIDE WITH METAL RING
FD-A	FLOOR DRAIN	3"	-	-	PLASTIC ODDITIES PHD 822R	HEAVY DUTY ADJUSTABLE DRAIN WITH NICKEL STRAINER. ROUND TOP.	WCO	WALL CLEANOUT	SEE RISER	-	-	PLASTIC ODDITIES PIP SERIES	W/ S/S COVER PLATE SSA-600
FD-B	FLOOR DRAIN	3"	-	-	PLASTIC ODDITIES PHD 822R	SAME AS FD-A EXCEPT 1/2" TRAP PRIMER CONNECTION	WHD	WALL HYDRANT	-	3/4"	-	WOODFORD MODEL 65	ANTI-SIPHON, AUTO DRAINING, W/ VACUUM BREAKER, FREEZELESS WALL HYDRANT, 3/4" MALE HOSE THREAD NOZZLE
FD-C	FLOOR DRAIN	4"	-	-	PLASTIC ODDITIES PHD 828R	HEAVY DUTY ADJUSTABLE DRAIN WITH 5.3" NICKEL STRAINER W/ROUND TOP	MS-1	MOP SINK W/FAUCET	3"	1/2"	1/2"	FIAT MSB 3624	MOLDED STONE 36X24. FAUCET W/VACUUM BREAKERS, 830-AA, BASE & BRACKET 832-AA.
FS-A	FLOOR SINK	3"	-	-	PLASTIC ODDITIES PFS-300-T	3" FLOOR SINK WITH DOME TOP STRAINER, AND 3/4" GRATE	GWH-1 GWH-2	WATER HEATER	-	1"	1"	RINNAI R94LSI	INSTANTANEOUS NATURAL GAS, 199,000 BTUH INPUT, SEALED COMBUSTION DIRECT VENT, 4.2 GPM @ 80°F RISE. PROVIDE WITH MODEL MCC WALL MOUNTED CONTROLLER. REFER TO DETAIL 9/P4.
FS-B	FLOOR SINK	3"	-	-	ZURN Z-1900-2-33 12"x12"x6" A.R.E.	3" FLOOR SINK, 12"x12" A.R.E SANI-FLOOR RECEPTOR, ANTI SPLASH STRAINER, ACID RESIST. PORCELAIN ENAMEL INTERIOR AND SQ. TOP	WH-1 WH-2	WATER HEATER	-	3/8"	3/8"	CHRONOMITE SR-20L/208	INSTANT-FLOW SR - LOW FLOW ELECTRIC WATER HEATER, 208V, 4.16KW, SINGLE PHASE, 0.4 GPM @ 71°F RISE EACH. INSTALL EACH PER MANUFACTURER'S RECOMMENDATIONS. HOT WATER TEMPERATURE SHALL BE SET FROM FACTORY TO NOT EXCEED 105 DEGREES.

NOTES:  
1. ALL VITREOUS CHINA FIXTURES SHALL BE WHITE.  
2. INSULATE ALL WATER AND WASTE PIPING UNDER LAVATORIES

PLUMBING FIXTURE SUMMARY									
FIXTURE	QTY.	DRAIN				COLD WATER		HOT WATER	
		F.U.	SAN WASTE	GREASE WASTE	TOTAL WASTE	F.U.	TOTAL CW	F.U.	TOTAL HW
WATER CLOSET (P1, P2)	3	4	12		12	10	30		
WATER CLOSET (EX.)	2	4	8		8	5	10		
LAVATORY (P3 & EX.)	4	1	4		4	1.5	6	1.5	6
HAND SINK (N10)	3	1	3		3	1.5	4.5	1.5	4.5
PREP SINK (A35L) **	1				3	3	3	3	3
3-COMP SINK (D40) **	1				3	3	3	3	3
HOSE BIB (WHD)	3								
WATER FILTER	1					1	1		
FLOOR DRAIN (FD-A)	6	2		12	12				
FLOOR DRAIN (FD-B)	2	2		4	4				
HUB DRAIN (HD)	5	2		10	10				
FLOOR SINK (FS-A, FS-B)	6	2		12	12				
MOP SINK (MS-1)	3	4	4	8	12	2.25	6.75	2.25	6.75
<b>TOTAL</b>					<b>31</b>	<b>48</b>	<b>97</b>	<b>64.25</b>	<b>16.5</b>

64.25 FU = 58.0 GPM USE 2" COLD WATER SERVICE  
16.5 FU = 18.4 GPM USE 1" HOT WATER SERVICE  
GREASE WASTE = 48 WFU USE 4" SANITARY (GREASE)  
TOTAL SANITARY = 97 WFU USE 4" SANITARY  
\*\* FIXTURE HAS INDIRECT WASTE TO FLOOR SINK.

PLAN NOTES

1. 4" SANITARY WASTE PIPING. SEE CIVIL ENGINEERING DRAWINGS FOR CONTINUATION. COORDINATE EXACT INVERT ELEVATION WITH SITE CONDITIONS.
2. 4" GREASE WASTE PIPING. SEE CIVIL ENGINEERING DRAWINGS FOR CONTINUATION. COORDINATE EXACT INVERT ELEVATION WITH SITE CONDITIONS.
3. 3" VENT BELOW GRADE FROM GREASE TRAP. COORDINATE EXACT LOCATION WITH CIVIL DRAWINGS.
4. PROVIDE 1-1/2" INDIRECT WASTE FROM EACH COMPARTMENT OF 3 COMPARTMENT SINK TO FLOOR SINK.
5. PROVIDE 1-1/2" INDIRECT WASTE FROM 1 COMPARTMENT SINK TO FLOOR SINK.
6. 3" VENT UP IN WALL FURRING.
7. PROVIDE DRAIN LINE FROM REFRIGERATED BATTER TABLES TO HUB DRAIN.
8. GREASE DISPOSAL LINE MOUNTED FLUSH AGAINST WALL @ 3'-0" AFF (SEE DETAIL 7/P4). G.C. SHALL PROVIDE STAINLESS STEEL COVER TO CEILING - SEE GENERAL NOTE #18/P0.
9. ROUTE DRAINAGE TO SINK UNDER ITEM K-32.
10. 3" PVC LINE RUN THROUGH CEILING FOR CO2 AND SODA LINES. COORDINATE WITH THE SODA INSTALLER.
11. PROVIDE HEAT TRACE TAPE ON EXPOSED GREASE LINE FROM BUILDING TO TANK. SEE GENERAL NOTE #18/P0.
12. 3/4" CONDENSATE PIPING BRACED TO WALK-IN WALLS. SPILL W/INDIRECT CONNECTION INTO HUB DRAIN.
13. EXTEND CHICKEN VAT'S 2" COPPER INDIRECT WASTE LINE THROUGH COOLER WALL TO DISCHARGE INTO HUB DRAIN.
14. ALL CW, HW, WASTE AND/OR VENT PIPING IN THIS WALL SHALL BE MADE OF NON-COMBUSTIBLE MATERIAL.
15. APPROXIMATE LOCATION OF ON NEW VTR. SEE PLAN FOR SIZE. PC SHALL VERIFY LOCATION HAS 10' CLEARANCE FROM ALL ROOF TOP EQUIPMENT'S OUTSIDE AIR INTAKES, PRIOR TO INSTALLING VTR; AND SHALL MODIFY LOCATION OF VTR ACCORDINGLY.

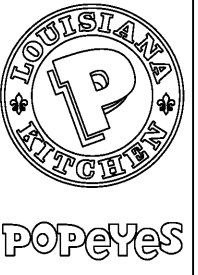


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PLUMBING WASTE AND VENT PLAN  
**P1**  
DATE: 03/11/2020  
PROJECT NO: G20-05  
CHECKED: GR