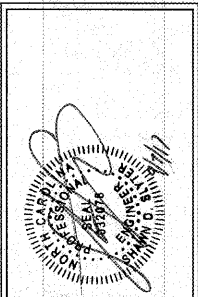


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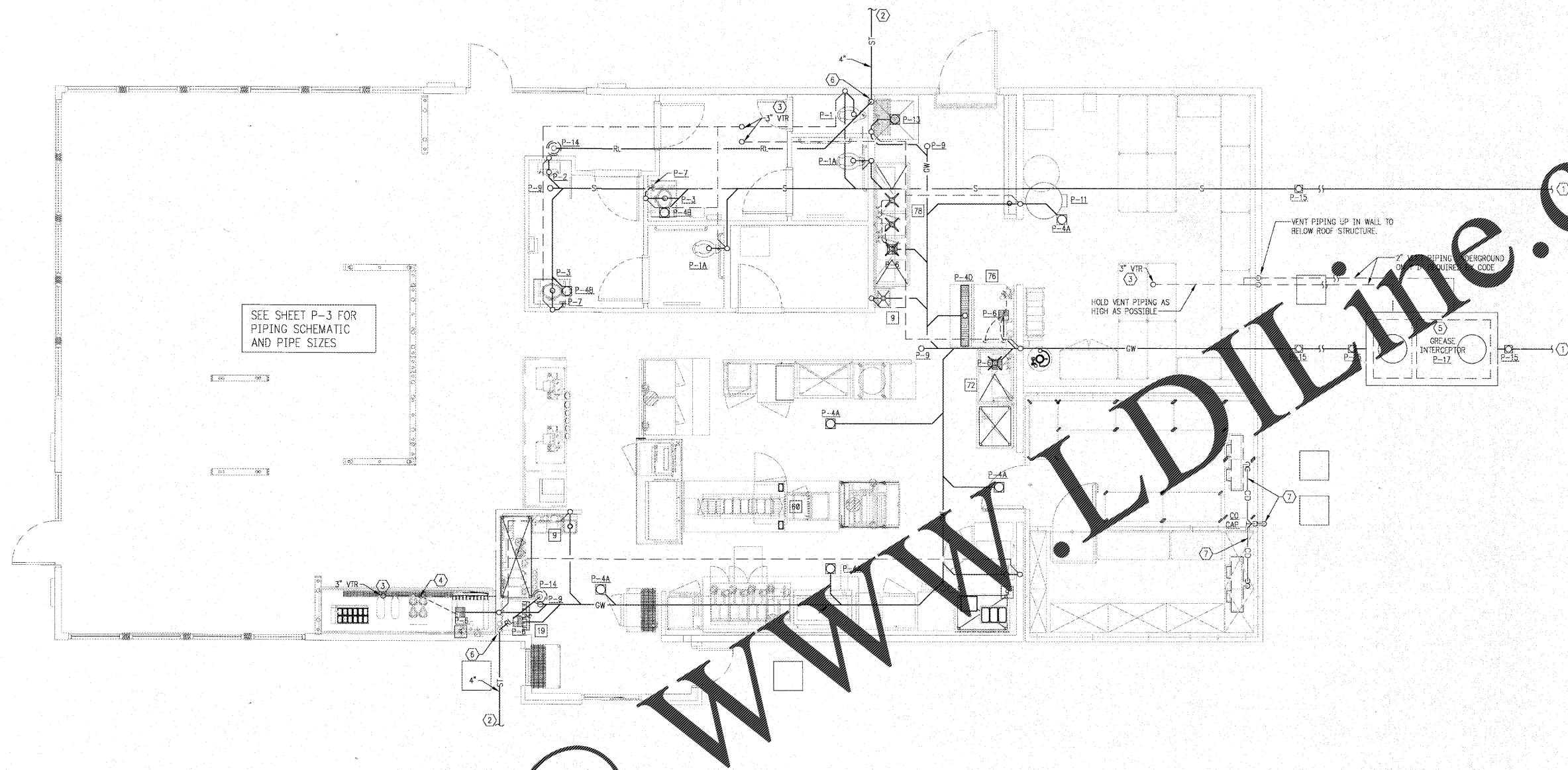
NO.	DATE	DESCRIPTION

DRAWN BY: **SCP/JCL** CHECKED BY: **SDS**

**WASTE AND VENT PLAN**

DATE: **6-23-17**

SHEET NUMBER: **P1**



**SOIL, WASTE AND VENT PLUMBING PLAN**

SCALE: 1/4" = 1'-0" 1

MARK	DESCRIPTION	WASTE	DFU	QTY	SUBTOTAL
P-1	WATER CLOSET - FLUSH VALVE	3"	4	1	4
P-1A	WATER CLOSET - FLUSH VALVE	3"	4	2	8
P-2	URINAL - FLUSH VALVE	2"	4	1	4
P-3	LAVATORY - TOILET AREAS	1 1/2"	1	2	2
P-4A	FLOOR DRAIN - KITCHEN AREAS	3"	2	3	6
P-4B	FLOOR DRAIN - STORAGE AREA	3"	2	1	2
P-4B	FLOOR DRAIN - RESTROOMS	3"	2	2	4
P-4D	TRENCH DRAIN	4"	2	1	2
P-6	FLOOR SINK	3"	5	5	25
P-13	UTILITY SINK	3"	5	1	5
5	HAND WASH - KITCHEN AREAS	2"	1	3	3
TOTAL					65+

\* TOTAL MAY VARY AS REQUIRED PER CODE. VERIFY DFU VALUES.

PLUMBING LEGEND	
NOTE: NOT ALL SYMBOLS MAY APPEAR ON THESE DRAWINGS	
FW	FILTERED WATER PIPING (FW)
CW	COLD WATER HARD PIPING (CW)
CW	FLEXIBLE COLD WATER PIPING (CW)
T	TEMPERED WATER PIPING (T)
FT	FLEXIBLE TEMPERED WATER PIPING (FT)
HW	HOT WATER PIPING (HW)
HW	FLEXIBLE HOT WATER PIPING (HW)
S	WASTE/SANITARY PIPING (S)
GW	GREASE PIPING (GW)
V	VENT PIPING
CD	CONDENSATE PIPING (CD)
W	INDIRECT WASTE PIPING (W)
+	CLEAN-OUT FINISH GRADE
+	CLEAN-OUT FINISH FLOOR
+	WALL CLEANOUT
+	VENT THRU ROOF (VTR)
+	FLOOR DRAIN (FD)
+	ROOF DRAIN (RD)
+	FLOOR SINK (FS)
+	BALL SHUTOFF VALVE
+	DFU
A.F.G.	ABOVE FINISH GRADE
+	VACUUM BREAKER
RL	ROOF LEADER
ST	STORM PIPING

PLUMBING FIXTURE SCHEDULE	
NOTE: NOT ALL FIXTURES MAY BE USED.	
P-1 WATER CLOSET	AMERICAN STANDARD NO. 2305-100 "MADERA", UNIVERSAL HEIGHT, OR KOHLER #K-4350 "WELL-COME", WHITE VITREOUS CHINA, WITH OLSONITE #95 ELONGATED, WHITE, OPEN FRONT, NO COVER SEAT, 3240 STAINLESS HINGE WITH CHROME #81310-100 BOLT CAPS; SLOAN ROYAL #111 FLUSH VALVE
P-1A WATER CLOSET (MOUNT CAP)	AMERICAN STANDARD NO. 2305-100 "MADERA", UNIVERSAL HEIGHT OR KOHLER #K-4358 "HIGHCLIFF", WHITE VITREOUS CHINA, WITH OLSONITE #95 ELONGATED, WHITE, OPEN FRONT, NO COVER SEAT, WITH SELF-SUSTAINING HINGE; 481310-100 BOLT CAPS; SLOAN ROYAL #111 FLUSH VALVE.
P-2 URINAL	AMERICAN STANDARD NO. 6598503 "WASHBROOM", ULTRA HIGH EFFICIENCY 0.125 GPF, WALL HUNG, WHITE VITREOUS CHINA, ELONGATED RIM, WASHOUT FLUSHING ACTION, (2) WALL HANGERS INCLUDED, NO. 6598001 UNIVERSAL TOP SPUD, #166-1 FLUSH VALVE.
P-3 LAVATORY	COUNTERTOP/LAVATORY BASIN, PROVIDED BY OWNER.
P-4A FLOOR DRAIN	PLASTIC ODDITIES MODEL PH0844, 3" SIZE, HEAVY DUTY PVC BODY, SP-8PB POLISHED BRONZE STRAINER. MOUNT FLUSH WITH FINISHED FLOOR
P-4B FLOOR DRAIN	PLASTIC ODDITIES MODEL PH0844, 3" SIZE, HEAVY DUTY PVC BODY, SP-8PB POLISHED BRONZE STRAINER. TRAP PRIMER CONNECTION. MOUNT FLUSH WITH FINISHED FLOOR
P-4C FLOOR DRAIN	SMITH 2220-H AS INDICATED AT TRASH ENCLOSURE ONLY. MOUNT FLUSH WITH FINISHED
P-4D TRENCH DRAIN	SMITH ACC MODEL 9814, PRECAST POLYMER CONCRETE, ONE #9814-100-9 CHANNEL AND ONE #9814-100-810 UNIT. CLOSED END CAPS, 4" BOTTOM POTLET, OUTLET STRAINER COVER WITH THREE, 1/2" METER #9870-450-SS, SLOTTED STAINLESS STEEL GRATES.
P-5 TEMPERING VALVE	SUPPLIED WITH REMOVABLE PISTON AND THERMAL MOTOR, SEPARATE CHECK STOPS, ROUGH BRONZE FINISH. INSTALL IN SUPPLY PIPING WHERE INDICATED. SET TEMPERATURE AS INDICATED IN SCHEMATIC. SEE MIXING VALVE PIPING SCHEMATIC, DETAIL 3, SHEET P2 FOR MORE INFORMATION.
P-6 FLOOR SINK	PLASTIC ODDITIES MODEL PH1300H, 3" SIZE, 14" SQ. TOP FLOOR SINK W/ 1/2" 3/4" OR FULL GRATE AS INDICATED. PROVIDE WITH ALUMINUM BEHVE STRAINER.
P-7 WALL CLEANOUT	PLASTIC ODDITIES MODEL SSA300, 3" SIZE, STAINLESS STEEL ACCESS WALL COVER.
P-8 ROOFTOP POST HYDRANT	WOODFORD MODEL RHY2, FREEZELESS. 1" CW CONN. PIPE DRAIN OUTLET TO NEAREST FLOOR SINK. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
P-9 CLEANOUT	PLASTIC ODDITIES MODEL PC0700, 4" SIZE WITH 6" SCORLATED BRASS COVER.
P-10 YARD HYDRANT	WOODFORD MODEL Y95, FREEZELESS. 3/4" CW CONN. W/ANTI-SIPHON VACUUM BREAKER, TEE KEY. BURY DEPTH AS REQUIRED. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
P-11 WATER HEATER	STATE MODEL CSB-82-24 IFE COMMERCIAL WATER HEATER, 24 KW, 98 GPH RECOVERY @ 100°F RISE, 80 GALLON STORAGE, 59.5" TALL, 25.5" DIA, 31" TOTAL DEPTH WITH CONTROLS. MEETS OR EXCEEDS AND/OR STANDBY LOSS REQUIREMENTS OF THE U.S. DEPT. OF ENERGY AND CURRENT ASHRAE/IESNA 90.1.
P-12	NOT USED.
P-13 UTILITY SINK	PLASTIC ODDITIES MODEL PSH952 WITH PLASTIC GRATE AND PSP-54 SEDIMENT BUCKET. FAUCET: T & S BRASS FAUCET B-0635-BSTR. VACUUM BREAKER IN SPOUT. SCREWDRIVER STOPS IN SHANKS, ROUGH CHROME FINISH.
P-14 ROOF DRAIN	SMITH FIG. 1010-E WITH CAST IRON BODY AND POLYETHYLENE DOME.
P-15 EXT. CLEANOUT	PLASTIC ODDITIES MODEL PCA4BP, 4" SIZE WITH RECESSED HEAD BRASS PLUG INSTALLED IN AN END-OF-LINE HUB. EXTERIOR CLEANOUTS SHALL BE PROVIDED WITH BROOKS NO. 3-RT OPEN BOTTOM CONCRETE BOX WITH STEEL FRAME AND TRAFFIC COVER WITH THE WORD "SEWER" CAST IN COVER.
P-16 OPEN RECEPTACLE	JAY R. SMITH 2646 STRAIGHT SPIGOT ADAPTOR WITH TOP AT 4" AFF OR AS REQUIRED BY CODE. SUBSTITUTE OPEN RECEPTACLE FOR FLOOR SINK WHERE PERMITTED BY CODE.
P-17 GREASE INTERCEPTOR	1500 GALLON CAPACITY, PRECAST CONCRETE GREASE INTERCEPTOR PURCHASED FROM LOCAL PRECAST SUPPLIER. INSTALL PER CODE. PROVIDE VENTING FROM INTERCEPTOR COMPARTMENTS THRU ROOF IF REQUIRED BY CODE. ALTERNATE VENTING METHODS AND/OR SAMPLING WELL MAY BE REQUIRED. VERIFY.

- SHEET NOTES**
- SITE UTILITY CONTRACTOR SHALL INSTALL ALL SANITARY PIPING FROM EXTERIOR OF BUILDING TO SANITARY MAIN. PLUMBING CONTRACTOR SHALL COORDINATE WITH SITE UTILITY CONTRACTOR AS REQUIRED.
  - SEE SITE UTILITY DRAWINGS FOR CONTINUATION.
  - EXTEND SANITARY VENT THROUGH THE ROOF PER CODE. FIELD VERIFY EXACT LOCATION PRIOR TO ROOF PENETRATION. MAINTAIN A MINIMUM OF 18"-0" FROM VTR TO ANY OUTSIDE AIR OR FRESH AIR INTAKE.
  - 1/2" PVC (IF PERMITTED BY CODE) INDIRECT WASTE HEADER PIPING AT REAR OF CABINET WITH 3/4" PVC DRAIN PIPING FROM INDIVIDUAL DRINK/ICE DISPENSERS AND DRAIN TROUGHS. MOUNT AT REAR OF CABINET, 12"(MIN.) ABOVE CABINET FLOOR. INSTALL 1/2" INSULATION AROUND DRAIN PIPING FROM ICE/COLD BEVERAGE DISPENSERS AND DRAIN TROUGHS. INSTALL PIPING WITH POSITIVE SLOPE TO DRAIN. MAINTAIN CODE APPROVED AIR GAP ABOVE DRAIN.
  - SEE SITE UTILITY DRAWINGS FOR EXACT LOCATION OF GREASE INTERCEPTOR.
  - 4" ROOF LEADER DOWN IN WALL FROM ABOVE CEILING. INSULATE ALL HORIZONTAL ROOF LEADER PIPING TO PREVENT CONDENSATION FROM FORMING ON PIPING. SEE SHEET P4.
  - 1" TRAPPED COPPER PIPING FROM COOLER/FREEZER CONDENSING COILS. PROVIDE AND INSTALL HEAT TRACE TAPE (10 W/LIN. FT.) ON PIPING WITHIN FREEZER, SLICE AND SEAL THRU COOLER/FREEZER WALL. AT 12" ABOVE FINISHED GRADE. TURN DOWN TO 6" (MIN.) ABOVE GRADE. PROVIDE INSECT/VERMIN SCREEN AT OPEN END OF PIPE.

IF ANY DISCREPANCY IS FOUND ON THE PLAN, THE PLUMBING CONTRACTOR SHALL SHOWN AND INSTALL THE MORE CONSERVATIVE SPECIFICATION AND CALL THE ENGINEER FOR CLARIFICATION.

WHILE EVERY ATTEMPT HAS BEEN MADE IN THE PREPARATION OF THIS PLAN TO AVOID MISTAKES, THE DESIGNER AND COMPANY CANNOT GUARANTEE THE ACCURACY OF THE DRAWING OR UNFORSEEN FIELD CONDITIONS. THE CONTRACTOR OR BUILDER MUST CHECK ALL DIMENSIONS, DETAILS AND REPORT ANY DISCREPANCIES.