

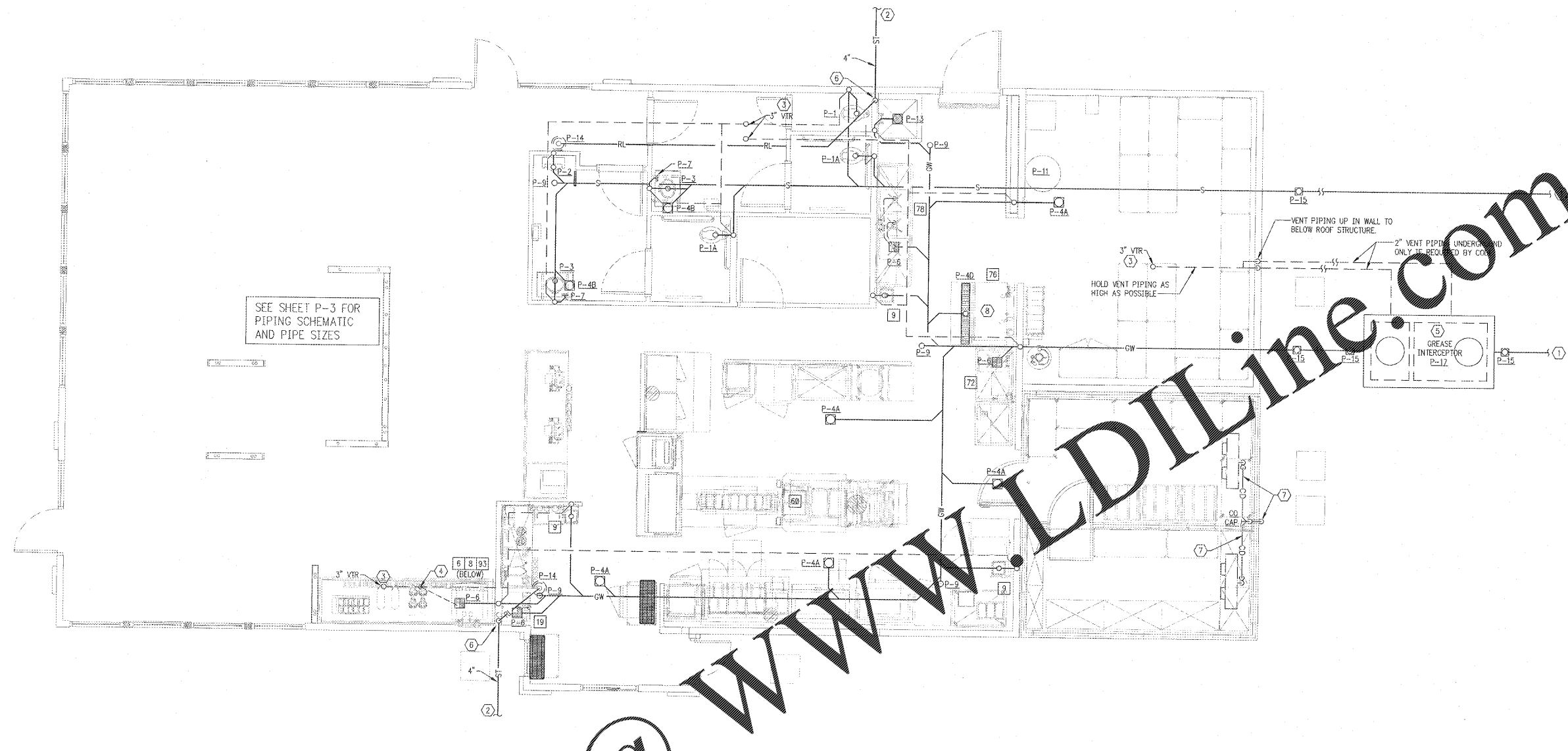
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| NO. | DATE | DESCRIPTION |
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| | | |
| | | |
| | | |

PLUMBING WASTE AND VENT PLAN

DATE: 9-4-2019

SHEET NUMBER:
P1



SEE SHEET P-3 FOR PIPING SCHEMATIC AND PIPE SIZES

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SOIL, WASTE AND VENT PLUMBING PLAN

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

FIXTURE DFU VALUES

| 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-4C | FLOOR DRAIN - RESTROOMS | 3" | 2 | 2 | 4 |
| P-4D | TRENCH DRAIN | 4" | 2 | 1 | 2 |
| P-6 | FLOOR SINK | 3" | 5 | 4 | 20 |
| P-13 | UTILITY SINK | 3" | 5 | 1 | 5 |
| S | HAND WASH - KITCHEN AREAS | 2" | 1 | 3 | 3 |
| TOTAL | | | | | 68+ |

PLUMBING LEGEND

- NOTE: NOT ALL SYMBOLS MAY APPEAR ON THESE DRAWINGS
- FW — FILTERED WATER PIPING (FW)
 - CW — COLD WATER HARD PIPING (CW)
 - TW — TEMPERED WATER PIPING (T)
 - TW (T) — FLEXIBLE TEMPERED WATER PIPING (T)
 - HW — HOT WATER PIPING (HW)
 - HW (HW) — FLEXIBLE HOT WATER PIPING (HW)
 - S — WASTE/SANITARY PIPING (S)
 - GW — GREASE PIPING (GW)
 - V — VENT PIPING
 - CD — CONDENSATE PIPING (CD)
 - IW — INDIRECT WASTE PIPING (IW)
 - O — CLEAN-OUT FINISH GRADE
 - O (F) — CLEAN-OUT FINISH FLOOR
 - O (R) — CLEAN-OUT THRU ROOF (VTR)
 - FD — FLOOR DRAIN (FD)
 - RD — ROOF DRAIN (RD)
 - FS — FLOOR SINK (FS)
 - BV — BALL SHUTOFF VALVE
 - DFU — DRAINAGE FIXTURE UNIT
 - A.F.G. — ABOVE FINISH GRADE
 - VB — VACUUM BREAKER
 - RL — ROOF LEADER
 - ST — STORM PIPING

PLUMBING FIXTURE SCHEDULE

NOT ALL FIXTURES MAY BE USED.

| | |
|----------------------------------|--|
| P-1 WATER CLOSET: | AMERICAN STANDARD NO. 2385-100 "MADERA", UNIVERSAL HEIGHT, OR KOHLER #K-4350 "WELLCOME", WHITE FRENCH CHINA; WITH #59 ELONGATED, WHITE, OPEN FRONT, NO COVER SEAT, 3240 STAINLESS STEEL W/ CHESTNUT 1010-100 BOLT CAPS, SLOAN ROYAL #111 FLUSH VALVE. |
| P-1A WATER CLOSET (HANDICAPPED): | AMERICAN STANDARD NO. 2385-100 "MADERA", UNIVERSAL HEIGHT OR KOHLER #K-4368 "HIGHCLIFF", WHITE FRENCH CHINA; WITH #59 ELONGATED, WHITE, OPEN FRONT, NO COVER SEAT, WITH SELF SUSTAINING HINGE; 481310-100 BOLT CAPS; SLOAN ROYAL #111 FLUSH VALVE. |
| P-3 LAVATORY: | AMERICAN STANDARD NO. 6590-503 "WASHBROOK", ULTRA HIGH EFFICIENCY 0.125 OPF, WALL HUNG, WHITE VEITROUS CHINA, ELONGATED RIM, WASHOUT FLUSHING ACTION, (2) WALL HANGERS INCLUDED, NO. 6590-001 UNIVERSAL TOP SPUD, #186-1 FLUSH VALVE. |
| P-4A FLOOR DRAIN: | SMITH 2220-H AS INDICATED AT TRASH ENCLOSURE ONLY. MOUNT FLUSH WITH FINISHED |
| P-4B FLOOR DRAIN: | SMITH 2220-H AS INDICATED AT TRASH ENCLOSURE ONLY. MOUNT FLUSH WITH FINISHED |
| P-4C FLOOR DRAIN: | SMITH 2220-H AS INDICATED AT TRASH ENCLOSURE ONLY. MOUNT FLUSH WITH FINISHED |
| P-4D TRENCH DRAIN: | SMITH ACO 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 P8H380H, 3" SIZE, 14" SQ. TOP FLOOR SINK W/ 1/2" OR FULL GRATE AS INDICATED. PROVIDE WITH ALUMINUM BEEHIVE STRAINER. |
| P-7 WALL CLEANOUT: | PLASTIC ODDITIES MODEL SSA300, 3" SIZE, STAINLESS STEEL ACCESS WALL COVER. |
| P-8 ROOF TOP 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 PC0780, 4" SIZE WITH 6" SCOURIATED 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 CS8-82-24 IFC 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/ESNA 90.1. |
| P-12: | NOT USED. |
| P-13 UTILITY SINK: | FEAT TERRAZZO 6" MOP SERVICE BASIN MODEL SDC5636, STAINLESS STEEL STRAINER MODEL #145388 FAUCET, T & S BRASS FAUCET B-0655-05TR, VACUUM BREAKER IN SPOUT, SCREWDRIVER STOPS IN SHANKS, ROUGH CHROME FINISH. NOTE: VERIFY ACTUAL SPECIFICATION WITH OWNER PRIOR TO ORDERING. |
| P-14 ROOF DRAIN: | SMITH FIG. 1010-E WITH CAST IRON BODY AND POLYETHYLENE DOME. |
| P-15 EXT. CLEANOUT: | PLASTIC ODDITIES MODEL PCA48P, 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 2846 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. TRAFFIC RATED (IF IN PARKING LOT). ALTERNATE VENTING METHODS AND/OR SAMPLING WELL MAY BE REQUIRED. VERIFY. |

SHEET NOTES

- 1 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.
- 2 SEE SITE UTILITY DRAWINGS FOR CONTINUATION.
- 3 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.
- 4 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 TROUGH. 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.
- 5 SEE SITE UTILITY DRAWINGS FOR EXACT LOCATION OF GREASE INTERCEPTOR.
- 6 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.
- 7 1" TRAPPED COPPER PIPING FROM COOLER/FREEZER CONDENSING COILS. PROVIDE AND INSTALL HEAT TRACE TAPE (18 W/LIN FT.) ON PIPING WITHIN FREEZER. SLEEVE AND SEAL THRU COOLER/FREEZER WALL AT 12" ABOVE FINISHED GRADE. RUN DOWN TO 6" (MIN.) ABOVE GRADE. PROVIDE INSECT/VERMIN SCREEN AT OPEN END OF PIPE.
- 8 P.C. SHALL ROUTE ICE MACHINE DRAINS, SECURE ALONG WALL, AND DRAIN INDIRECTLY OVER FLOOR SINK, UNDERNEATH PREP SINK, WITH AIR GAP TWICE THE DIAMETER OF THE DRAIN PIPE (2" MIN.). ALL PIPING MUST MAINTAIN 1/8" IN PER FOOT SLOPE.

IF ANY DISCREPANCIES ARE FOUND ON THE PLANS, THE PLUMBING CONTRACTOR SHALL BID THE MORE CONSERVATIVE SPECIFICATION AND CALL ENGINEER FOR CLARIFICATION.

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