

GREASE TRAP CALCULATIONS
 (1) 3 COMP. SINK
 EA. BASIN IS 18"x22"x10"
 (3) HAND SINK 14"x10"x5"
 (1) MOP SINK 34"x20"x6"
 (1) 1-COMP SINK 18"x22"x8"
 (1) HAND SINK 11"x8"x3"

GAL./MIN. CALCULATIONS FOR (3 COMP. SINK)
 $[18 \times 22 \times 10] / [3] = 11,880 \text{ C.C.}$
 $[11,880 \text{ C.C.}] / [75] = 8,910 \text{ C.C.}$
 $[8,910] / [231] = 38.57 \text{ GAL./MIN.}$

GAL./MIN. CALCULATIONS FOR HAND SINKS
 $[14 \times 10 \times 5] / [3] = 2,100 \text{ C.C.}$
 $[2,100 \text{ C.C.}] / [75] = 1,575 \text{ C.C.}$
 $[1,575] / [231] = 6.82 \text{ GAL./MIN.}$

GAL./MIN. CALCULATIONS FOR MOP SINK
 $[34 \times 20 \times 6] = 4,080 \text{ C.C.}$
 $[4,080 \text{ C.C.}] / [75] = 3,060 \text{ C.C.}$
 $[3,060] / [231] = 13.24 \text{ GAL./MIN.}$

GAL./MIN. CALCULATIONS FOR 1-COMP. SINK
 $[18 \times 22 \times 8] / [1] = 3,168 \text{ C.C.}$
 $[3,168 \text{ C.C.}] / [75] = 2,376 \text{ C.C.}$
 $[2,376] / [231] = 10.29 \text{ GAL./MIN.}$

GAL./MIN. CALCULATIONS FOR HAND SINK
 $[11 \times 8 \times 3] / [1] = 264 \text{ C.C.}$
 $[264 \text{ C.C.}] / [75] = 198 \text{ C.C.}$
 $[198] / [231] = 0.86 \text{ GAL./MIN.}$

TOTAL = 69.78 GAL./MIN.
 MIN. SIZE GREASE TRAP TO BE 100 GAL./MIN.
 PROVIDE (1) ONE SHIER GB-250 AT 100 GAL./MIN. - IN COMPLIANCE.

- KEYED NOTES:**
- 4" SANITARY WASTE PIPING. SEE CIVIL ENGINEERING DRAWINGS FOR CONTINUATION. COORDINATE EXACT INVERT ELEVATION WITH SITE CONDITIONS.
 - BEVERAGE LINES ABOVE CEILING.
 - 3/4" CONDENSATE PIPING BRACED TO WALK-IN WALLS. SPILL W/INDIRECT CONNECTION INTO HUB DRAIN/FLOOR SINK.
 - 3" PVC LINE FOR CO₂ ABOVE CEILING.
 - OFFSET VENT LINES ABOVE CEILING.
 - FIELD COORDINATE LOCATION OF VENT THROUGH ROOF PENETRATIONS TO AVOID OUTSIDE AIR INTAKE FOR RTU'S.
 - ROUTE DRAINAGE FROM BEVERAGE COUNTER STATION TO FLOOR SINK BELOW.
 - EXTEND CHICKEN CRATE VAT 2" INDIRECT WASTE LINE THRU COOLER/FREEZER WALL TO DISCHARGE IN HUB DRAIN.
 - DROP PIPING DOWN IN EXTERIOR WALL. STUB OUT OF WALL # 96" AFF INTO GREASE TANK. SEE ADDITIONAL NOTES #11/P3.
 - PROVIDE HEAT TRACE TAPE ON PIPING ABOVE CEILING AND ON EXPOSED GREASE LINE FROM BLDG. TO TANK. SEE ADDITIONAL NOTES #11/P3.
 - GREASE DISPOSAL LINE MOUNTED FLUSH AGAINST WALL # 3'-0" AFF. (SEE DTL 11/P3). G.C. TO PROVIDE STAINLESS STEEL COVER TO CEILING - SEE GENERAL NOTE #11/P3.
 - PIPING TO BE 100% CAST IRON FOR FLOORS SINKS UNDER 1/2" DIA.

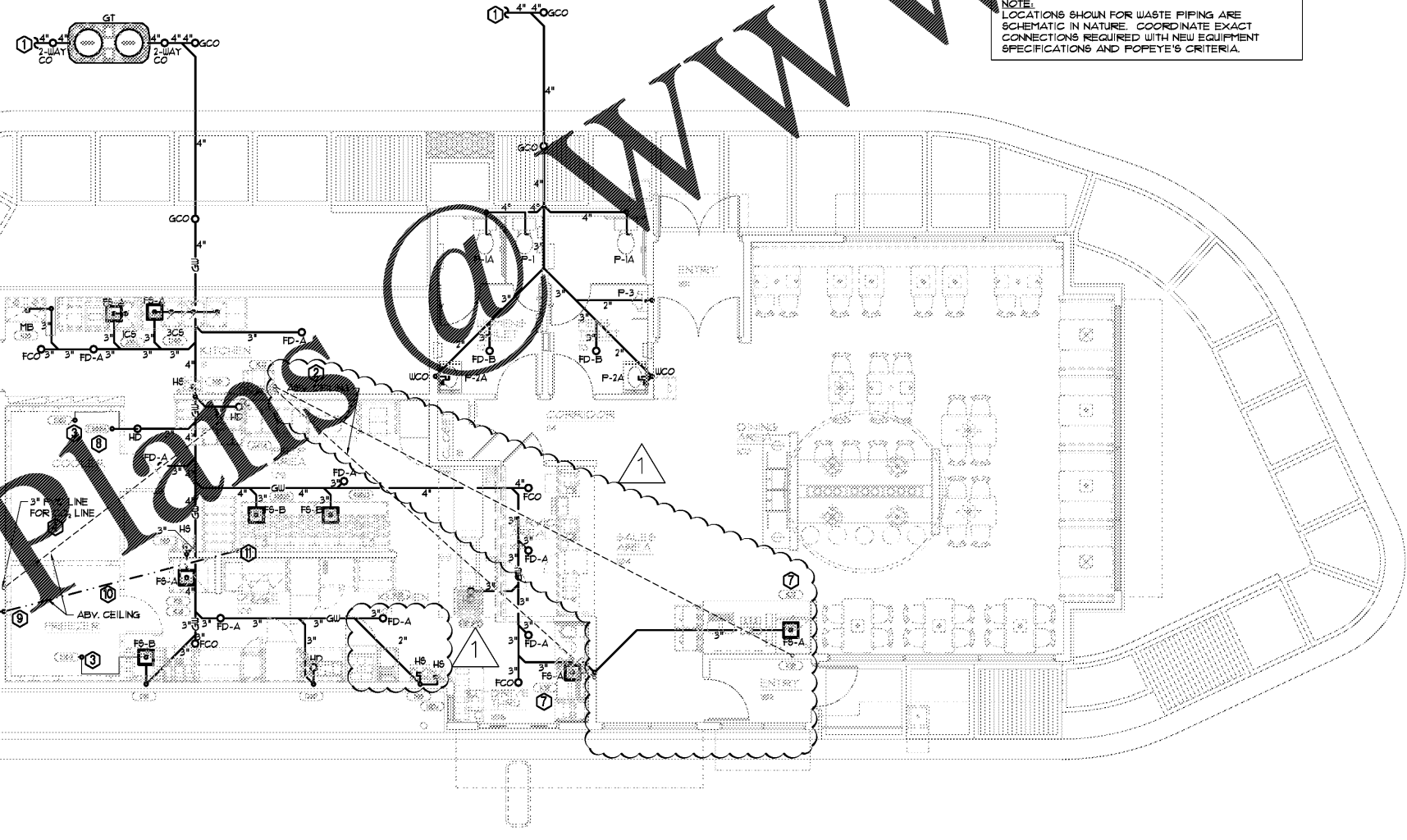
PLUMBING LEGEND

SANITARY	---
GREASE WASTE	---
GREASE DISCHARGE	---

- PLUMBING GENERAL NOTES:**
- THE PLUMBING CONTRACTOR SHALL SURVEY SITE PRIOR TO BID SUBMISSION TO VERIFY ALL EXISTING LOCATIONS, SLOPES AND INVERTS OF EXISTING SANITARY PIPING INCLUDING CONNECTION POINTS TO EXISTING PIPING TO VERIFY LOCATIONS AND GRADIENTS POINT TO THE EXISTING HOT AND COLD WATER LINES.
 - WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC WITH DRAINAGE PATTERNS FITTING.
 - COOLER WATER PIPING SHALL BE CPVC WITH SOLVENT JOINED FITTINGS. WATER HAMMER ARRESTORS EQUAL TO JAY R WITH 1/2" NPT FEMALE END. IN ACCORDANCE WITH THE FBC - PLUMBING.
 - SLOPE WASTE LINES 3" AND LARGER AT 1/4" PER FOOT. LINES SMALLER THAN 3" SHALL BE SLOPED AT 1/8" PER FOOT. INSULATE ALL DOMESTIC HOT WATER PIPING WITH 1/2" WALL ARMAFLEX OR EQUIVALENT INSULATION.
 - PROVIDE NEW ISOLATION VALVES AT ALL FIXTURES. NEW ISOLATION VALVES SHALL BE CHROME FINISH EQUAL TO BRASSCRAFT.
 - PROVIDE WALL CARRIERS AT ALL WALL-HUNG FIXTURES. CARRIERS SHALL BE FIXTURE MANUFACTURER OR EQUAL TO ZURN.
 - INSTALLATION OF ALL PLUMBING FIXTURES, PIPING, COMPONENTS AND PERIPHERALS SHALL COMPLY WITH THE INTERNATIONAL BUILDING CODE - PLUMBING AND ALL OTHER APPLICABLE CODES, LAWS, STANDARDS AND ORDINANCES.
 - PLUMBING CONTRACTOR SHALL COORDINATE ALL ROUTING AND PIPING CONNECTIONS PRIOR TO COMMENCEMENT OF WORK.
 - ALTERNATE FIXTURE MANUFACTURERS ARE ACCEPTABLE PROVIDED THEY ARE EQUIVALENT AND MEET THE KIND AND QUALITY OF THE FIXTURES SPECIFIED.
 - PIPE HANGERS SHALL BE SPLIT RING TYPE, GALVANIZED, WITH THREADED ROD SUPPORT FROM STRUCTURE ABOVE EQUAL TO GRINNELL. DISTANCE BETWEEN SUPPORTS SHALL BE PER FBC - PLUMBING TABLE 308.5.
 - TESTING OF THE PLUMBING SYSTEMS SHALL BE PERFORMED BY THE PLUMBING SUBCONTRACTOR AND WITNESSED BY THE BUILDING DEPARTMENT INSPECTOR. POTABLE HOT AND COLD WATER PIPING SHALL BE HYDROSTATICALLY TESTED AT 125 PSIG FOR 24 HOURS. SOIL, WASTE AND VENT PIPING SHALL BE FILLED WITH WATER TO THE TOP OF THE SYSTEM FOR A PERIOD OF 24 HOURS.
 - CLEANOUTS SHALL BE PROVIDED PER PLAN AND/OR AS REQUIRED TO PROVIDE A COMPLETE SERVICEABLE SYSTEM. CLEANOUTS SHALL BE SAME SIZE AS PIPE. FLOOR CLEANOUTS SHALL BE EQUAL TO ZURN Z-1460-KC WITH BRONZE TOP. WALL CLEANOUTS SHALL BE EQUAL TO ZURN Z-1411-KC WITH STAINLESS STEEL COVER.
 - ALL WALL-HUNG FIXTURES SHALL BE PROVIDED WITH WALL CARRIERS AND BE CAPABLE OF SUPPORTING A 750 LB. VERTICAL LOAD.
 - INSULATE TRAY, TRAP AND APPLICABLE WATER PIPING BELOW ALL HANDICAPPED LAVATORIES WITH TRUEBRO "LAVGUARD" OR OTHER APPROVED SYSTEM.
 - PLUMBING CONTRACTOR SHALL EXECUTE ALL WORK SO THAT IT PRECEDES WITH A MINIMUM OF INTERFERENCE WITH OTHER TRADES.
 - VERIFY EXACT ROUGH-IN AND FINAL EQUIPMENT REQUIREMENTS IN FIELD.
 - THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTIONS TO PLUMBING FIXTURES AND KITCHEN EQUIPMENT. THIS INCLUDES, BUT NOT LIMITED TO, FURNISHINGS AND INSTALLING ALL TRAPS, DRAINS AND SUPPLIES WITH STOPS.
 - THE PLUMBING CONTRACTOR SHALL VERIFY THAT ALL PIPING, AS SHOWN ON THESE DRAWINGS WILL NOT CONFLICT WITH ANY DRAINS, SCUTTLES, JOINTS, VENTS, EQUIPMENT, ETC.
 - COORDINATE ROUTING AND LOCATIONS OF WASTE AND VENT PIPING WITH ALL OTHER TRADES.
 - THE PLUMBING CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES, ALL REQUIRED OPENINGS AND EXCAVATIONS. ALL REQUIRED OPENINGS IN FOUNDATIONS, FLOORS, WALLS, AND ROOFS SHALL BE DESIGNED INTO THE STRUCTURE INITIALLY BY THE USE OF SLEEVES, CURBS, ETC. CUTTING AND PATCHING SHALL BE HELD TO MINIMUM.
 - ALL ITEMS PROJECTING THROUGH ROOFS SHALL BE FLASHED, A MINIMUM OF 1" ABOVE THE ROOF. ALL VENTS SHALL BE A MINIMUM OF 10" FROM ANY OUTSIDE AIR INTAKE.
 - ALL FLOOR DRAINS SHALL HAVE 6" DEEP SEAL TRAPS.
 - THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTING WATER SUPPLY TO THE COFFEE MAKERS TEA BREWERS AND ICE MACHINES.
 - WRAP ALL CONDENSATE PIPE IN FREEZER WITH HEAT TRACING TAPE AND INSULATE ALL CONDENSATE DRAIN PIPING. ROUTE COOLER CONDENSATE DRAIN PIPING TO HUB DRAIN/FLOOR DRAIN AS INDICATED.
 - POT SINKS TO BE ANCHORED TO WALL AND SEALED WITH SILICONE CAULKING.
 - INSTALL GAS VALVE (FBC) IN GAS LINE TO COOKING EQUIPMENT. INTERLOCK WITH HOOD FIRE PROTECTION SYSTEM. VERIFY REQUIREMENTS WITH HOOD SUPPLIER. INSTALL UNIONS AT THE SOLENOID VALVE.
 - PLUMBING CONTRACTOR TO PROVIDE AND INSTALL SHUTOFF COCKS, QUICK DISCONNECTS AND FLEXIBLE LINES AT GAS EQUIPMENT.
 - PROVIDE VACUUM BREAKERS AT FIXTURES WITH HOSE THREAD CONNECTIONS.
 - PROVIDE DIELECTRIC UNIONS AT ALL DISSIMILAR METAL PIPE CONNECTIONS.
 - PROVIDE 1" x 8CH 40 BLACK 6TL PIPE FOR GREASE DISCHARGE. RUN LINE FLUSH ON WALL BESIDE FRYERS. VERTICALLY UP IN WALL THRU CLG. SLOPE LINE # 1/4" TOWARDS REAR OF BUILDING. RUN LINE DOWN THRU CEILING ON FACE OF EXTERIOR WALL TO 15" AFF THEN THRU REAR WALL FOR DISCHARGE. HEAT TAPE TO BE INSTALLED ON ENTIRE LINE # 5 WATTS/LINEAR FT. G.C. TO PROVIDE STAINLESS STEEL COVERS FOR LINE MOUNTED FLUSH ON WALLS (ENTIRE LENGTH - CEILING DOWN).

NOTE:
 LOCATIONS SHOWN FOR WASTE PIPING ARE SCHEMATIC IN NATURE. COORDINATE EXACT CONNECTIONS REQUIRED WITH NEW EQUIPMENT SPECIFICATIONS AND POPEYE'S CRITERIA.

2 PLUMBING SANITARY & GREASE WASTE RISERS
 SCALE: NONE



1 PLUMBING SANITARY PLAN
 SCALE: 3/16" = 1'-0"

Order Plans

REVISIONS	BY
02, 16, 18	BMD

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P1