

HYDROMECHANICAL GREASE INTERCEPTOR SIZING

(PER FIG. 210 CONTROL DEVICE, QUALIFLEX, MARIETTA)

1. PEAK FLOW - BASED ON MAXIMUM CAPACITY OF THE DRAIN LINE
 GREASE WASTEWATER DRAIN DIAMETER = 4 INCH
 MAX. DRAINAGE FIXTURE UNITS = 180 DFUS
 PEAK FLOW RATE = 100 GPM

2. FOG STORAGE CAPACITY AT 99% REMOVAL EFFICIENCY = M x FOGMEAL x T
 M = MEALS/DAY (BASED ON NUMBER OF SEATS)
 FOGMEAL = LBS/MEAL
 T = CLEANING FREQUENCY
 S = SEATS

S = 230 SEATS
 SEATING PER SEAT = 3
 TAKE-OUT MEALS = 150 MEALS/DAY
 TOTAL MEALS (M) 690 + 150 = 840 MEALS/DAY
 POUNDS FOGMEAL = 0.075 LBS/MEAL
 PUMP OUT FREQUENCY (T) = 60 DAYS

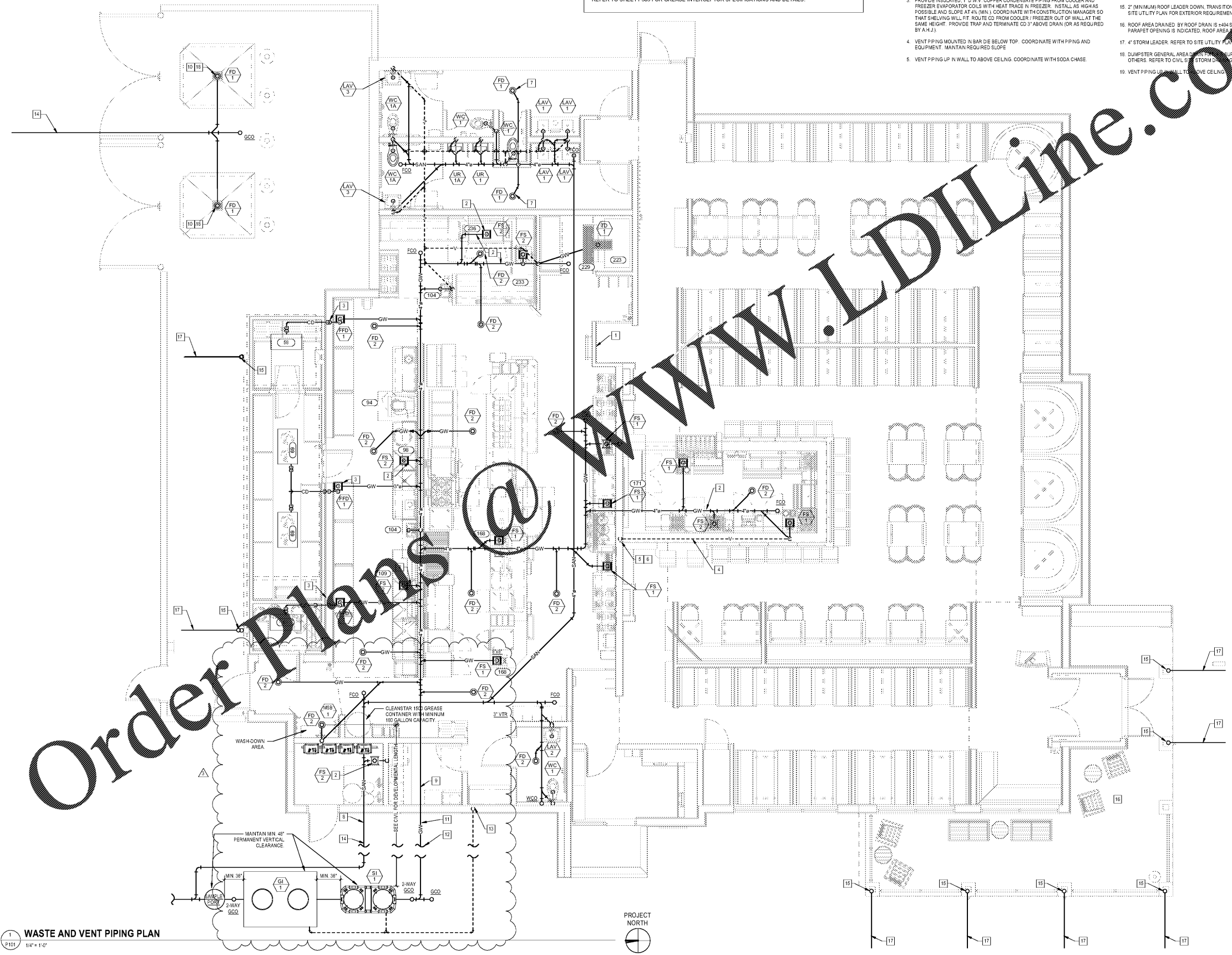
3. 840 MEALS/DAY x 0.075 FOGMEAL x 60 DAYS PUMPOUT FREQUENCY = 3,780 FOG LBS.
 ONE (1) FOG CAPACITY @ 99% = 6,237 LBS (TESTED)
 6,237 LBS = 3,780 FOG LBS.

NOTE: CONTRACTOR TO PROVIDE AND INSTALL ONE (1) GREASE INTERCEPTOR, SCHER GB-1000.
 REFER TO SHEET P303 FOR GREASE INTERCEPTOR SPECIFICATIONS AND DETAILS.

GENERAL NOTES

- REFER TO SHEET P301 FOR GENERAL PLUMBING NOTES APPLICABLE TO ALL PLANS.
- REFER TO PIPING DIAGRAM ON SHEET P201 FOR WASTE AND VENT SIZES FROM FIXTURES, FLOOR DRAINS AND FLOOR SINKS.
- REFER TO ARCHITECTURAL PLANS AND ELEVATIONS, AND FOOD SERVICE PLANS AND ELEVATIONS FOR FINAL LOCATIONS OF FIXTURES AND EQUIPMENT. REFER TO FOOD SERVICE PLANS FOR INDIRECT DRAIN SIZES FROM EQUIPMENT.
- TERMINATE VENT THROUGH ROOF (VTR) 12" MIN. ABOVE TOP OF PARAPET, UNLESS PREVAILING CODE STATES OTHERWISE. SUPPORT AS REQUIRED BY P.C.
- COORDINATE ALL PIPING ABOVE THE CEILING WITH ROOF HATCH AND LADDER.
- PROVIDE CAST IRON DRAIN PIPING FOR FIRST 10 FT. (MIN.) DOWNSTREAM FROM DISHWASHER DISCHARGE LOCATION WITH SHELVED COUPLINGS EQUAL TO FERROX "PROFLEX" PROVIDE AS INDICATED FOR GLASSWASHER, STEAMER AND ANY OTHER EQUIPMENT CAPABLE OF PRODUCING 140°F OR HIGHER WATER TEMPERATURE DISCHARGE.
- PROVIDE INSULATED, 1" O.D. COPPER CONDENSATE PIPING FROM COOLER AND FREEZER EVAPORATOR COILS WITH HEAT TRACE IN FREEZER. INSTALL AS HIGH AS POSSIBLE AND SLOPE AT 1/8" (MIN.) COORDINATE WITH CONSTRUCTION MANAGER SO THAT SHELVING WILL FIT ROUTE CO FROM COOLER/FREEZER OUT OF WALL AT THE SAME HEIGHT. PROVIDE TRAP AND TERMINATE CO 3" ABOVE DRAIN (OR AS REQUIRED BY A.H.J.).
- VENT PIPING MOUNTED IN BAR DIE BELOW TOP. COORDINATE WITH PIPING AND EQUIPMENT. MAINTAIN REQUIRED SLOPE.
- VENT PIPING IN WALL TO ABOVE CEILING. COORDINATE WITH SODA CHASE.
- BEER CHASE RUNS UNDER THE SLAB AND STUBS UP WITHIN BAR DIE. COORDINATE BEER LINES WITH ALL PLUMBING AND ELECTRICAL ITEMS WITHIN BAR DIE.
- 1/2" CW PIPING UNDER THE SLAB FROM TRAP PRIMER (TP) TO CONNECTION AT FIXTURE (FP).
- MINIMUM EXIT INVERT FOR SANITARY WASTE PIPING IS ASSUMED 36" BELOW FINISHED FLOOR OR IT REQUIRED FROST DEPTH, WHICHEVER IS DEEPER. COORDINATE WITH CIVIL DRAWINGS.
- MINIMUM EXIT INVERT FOR GREASE WASTE PIPING IS ASSUMED 32" BELOW FINISHED FLOOR OR AT REQUIRED FROST DEPTH, WHICHEVER IS DEEPER. COORDINATE WITH CIVIL DRAWINGS.
- AREA DRAINS AT DUMPSTER PAD ARE CONNECTED TO INLET OF INTERCEPTOR (IF PERMITTED BY A.H.J.) REFER TO SITE UTILITY PLANS FOR MORE INFORMATION.
- GREASE WASTE PIPING TO GREASE INTERCEPTOR. REFER TO SITE UTILITY PLAN FOR SIZE AND LOCATION.
- REFER TO CIVIL UTILITY PLAN FOR EXACT LOCATION OF GREASE INTERCEPTOR(S) AND OTHER REQUIREMENTS. INTERCEPTOR RELIEF VENT, IF REQUIRED, MAY COMBINE WITH INTERIOR VENT PIPING AT 24" F.G. (MIN.) IF PERMITTED BY A.H.J.
- UNDERGROUND VENT PIPING FROM INTERCEPTOR TO VTR ABOVE ROOF IF REQUIRED. VERIFY REQUIRED SIZE WITH A.H.J.
- SANITARY PIPING TO SEWER. REFER TO SITE UTILITY PLAN FOR SIZE AND LOCATION.
- 2" (MINIMUM) ROOF LEADER DOWN. TRANSITION TO 3" UNDERGROUND. REFER TO SITE UTILITY PLAN FOR EXTERIOR REQUIREMENTS.
- ROOF AREA DRAINED BY ROOF DRAIN IS 404 SQ. FT. PER OVERLAP. LOW PARAPET OPENING IS INDICATED. ROOF AREA DRAINED IS 300 SQ. FT.
- 4" STORM LEADER. REFER TO SITE UTILITY PLAN FOR EXTERIOR REQUIREMENTS.
- DUMPSTER GENERAL AREA DRAIN TO INTERCEPTOR BY PC LIO. PIPING BY OTHERS. REFER TO CIVIL SITE STORM DRAINAGE PLAN FOR INFORMATION.
- VENT PIPING IN WALL TO ABOVE CEILING.

SHEET KEYNOTES



WASTE AND VENT PIPING PLAN
 1/4" = 1'-0"



BLOOMIN BRANDS
 HIALEAH, FL - OUTBACK STEAKHOUSE
 1751 W 49TH STREET
 HIALEAH, FLORIDA 33012

SHEET ISSUE

| OUT TO PERMIT: | DATE |
|----------------|----------|
| 1 | 05/06/19 |
| 2 | 05/30/19 |
| 3 | 06/17/19 |

PRINCIPAL IN CHARGE: JC
 PROJECT ARCHITECT: MS
 DRAWN BY: TH

SHEET TITLE
SOIL WASTE AND VENT PLAN

SHEET NO. P101
 PROJ. NO. 2018231.20

P101