

- ### PLUMBING NOTES
- NOTES APPLY TO ALL PLUMBING SHEETS.
 - EACH CONTRACTOR IS RESPONSIBLE FOR HAVING THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS AS THEY RELATE TO THIS WORK. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED DUE TO LACK OF THIS KNOWLEDGE.
 - PROVIDE ALL MATERIALS FOR A COMPLETE INSTALLATION IN ALL RESPECTS READY FOR INTENDED USE AND IN STRICT ACCORDANCE WITH STATE AND LOCAL CODES AND MANUFACTURER'S RECOMMENDATIONS.
 - COORDINATE SEWER AND WATER CONNECTIONS WITH CIVIL AND AHJ. PROVIDE PRESSURE REDUCING VALVE AND BACKFLOW PREVENTER AS SHOWN OR REQUIRED BY AHJ. VERIFY INVERT AND SLOPE OF INCOMING SANITARY SEWER BEFORE TRENCHING.
 - REFER TO RISER DIAGRAMS AND PLUMBING FIXTURE SCHEDULE FOR ALL PIPING AND PIPE SIZES NOT SHOWN ON PLAN.
 - SANITARY AND STORM SEWER PIPING SHOWN IS BASED ON 1/4" PER FOOT FALL FOR ALL PIPE SMALLER THAN 3" DIAMETER AND 1/8" PER FOOT FALL FOR PIPE 3" DIAMETER AND LARGER.
 - ALL SEWER PIPING BELOW SLAB TO BE 2" DIAMETER MINIMUM.
 - PROVIDE ACCESS DOORS TO ALL CONCEALED VALVES AND CLEAN-OUTS. DO NOT ABOVE AN ACCESSIBLE CEILING.
 - PROVIDE TRAP SEAL PIPERS AND 1/2" COPPER TUBING CONNECTION TO ALL SINKS OR DRAINS AS SHOWN OR AS REQUIRED BY AHJ. CONTRACTOR SHALL VERIFY REQUIREMENT.
 - INSTALL VTR SINK, HAUST FAN AND FLUE. PROVIDE 2" FROM SINK TO WALL AND 10'-0" FROM FAN FROM EQUIPMENT WALL TO SIDE AIR INTAKE.
 - INSTALL WATER PIPE INSIDE OF EXTERIOR WALL INSULATION TO PREVENT FREEZING.
 - WHEN DEEP FROST LOCATIONS ARE ENCOUNTERED, ROUTE SANITARY LINES UNDER BUILDING AS MUCH AS POSSIBLE.
 - PROVIDE PVC SLEEVE FOR ALL COLD/HOT WATER FLOOR PIPE PENETRATIONS. MAKE SLEEVE LARGE ENOUGH FOR INSULATION. SEAL WITH GRAY MASTIC AND ENSURE OF NO WATER PENETRATIONS.
 - PROVIDE AND INSTALL WATTS 84 VACUUM BREAKER ON ANY THREADED EXTERIOR OR INTERIOR FAUCETS.
 - ALL WATER SHUT-OFF VALVES SHALL BE "BALL LOCK" TYPE. PROVIDE SHUT-OFF VALVES AT EACH TERMINATION POINT OF ASSOCIATED EQUIPMENT.
 - PROVIDE SEISMIC BRACING BASED ON APPROPRIATE SEISMIC ZONE REQUIREMENTS PER LOCAL AND NATIONAL CODES. CONTRACTOR'S RESPONSIBILITY INCLUDES STRUCTURAL ENGINEER'S CERTIFICATION ON DETAILS SUBMITTED FOR PERMITTING.

PLUMBING SYMBOLS

SS	SANITARY SEWER
GW	GREASE WASTE
GI	GREASE INTERCEPTOR
---	DOMESTIC COLD WATER
---	DOMESTIC HOT WATER
---	DOMESTIC HOT WATER RETURN
FW	FILTERED WATER
G	NATURAL GAS
CD	CONDENSATE DRAIN
---	PLUMBING VENT
U	UNION
U	ELBOW - TURNED DOWN
U	ELBOW - TURNED UP
U	TEE - TURNED DOWN
U	TEE - TURNED UP
B	BALL VALVE
S	SHUT-OFF VALVE IN VERTICAL LINE
B	BACKFLOW PREVENTER
FD	FLOOR DRAIN
FS	FLOOR SINK
FCO	FLOOR CLEANOUT
YCO	YARD CLEANOUT
FPWH	FREEZE PROOF WALL HYDRANT
HB	HOSE BIBB
WCO	WALL CLEANOUT
G	GAS PRESSURE REGULATOR
G	GAS COCK

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Grease Interceptor Calculations

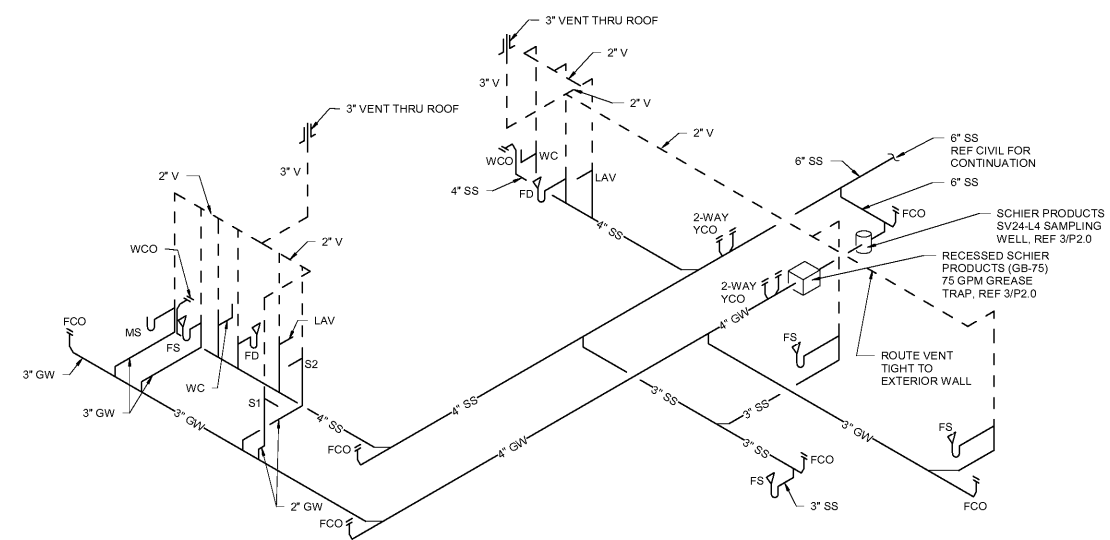
Step One Flow Rate / Fixture Capacity

3 Comp Sink 12" X 19" X 12" X 3 compartments = 8,208 cubic inches
 Hand Sinks 18" X 12" X 6" X 3 separate sinks = 720 cubic inches
 Mop Sink 24" X 24" X 10" = 6,250 cubic inches
TOTAL 15,178 cubic inches / 231 X .75 / 1 = 50 gpm

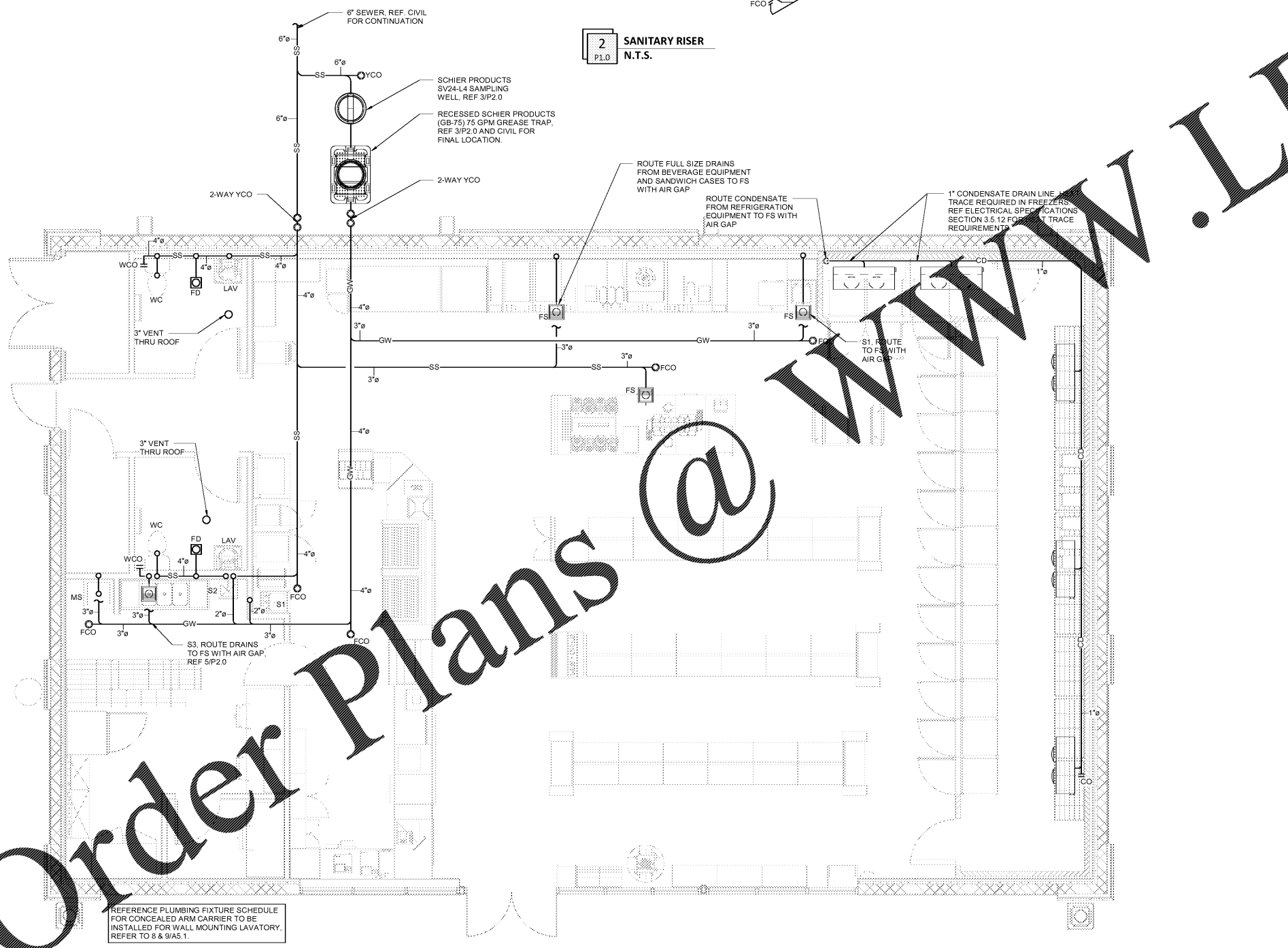
Step Two Grease Production

125 meals per day
 .005 lbs of grease / meal - Very Low Grease Producer / No Flatware
 90 days between pump-outs
 125 X .005 X 90 = **57 lbs of grease**

SCHIER	DESCRIPTION: Polyethylene Grease Interceptor
MODEL NUMBER: GB-75	Flow Rates / Grease Capacities: 75 GPM / 616 lbs. Liquid Capacity: 125 gal



2 SANITARY RISER
 N.T.S.



REFERENCE PLUMBING FIXTURE SCHEDULE FOR CONCEALED ARM CARRIER TO BE INSTALLED FOR WALL MOUNTING LAVATORY. REFER TO 8 & 9/AS.1.

1 PLUMBING SANITARY PLAN
 1/4" = 1'-0"

Engineer Name - ANDREW D FINNEGAN
Engineer Number - 80051

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REVISIONS	
NO.	DESCRIPTION

PROJECT NUMBER: 17111
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DRAIN PIPING PLAN AND RISER

PLO