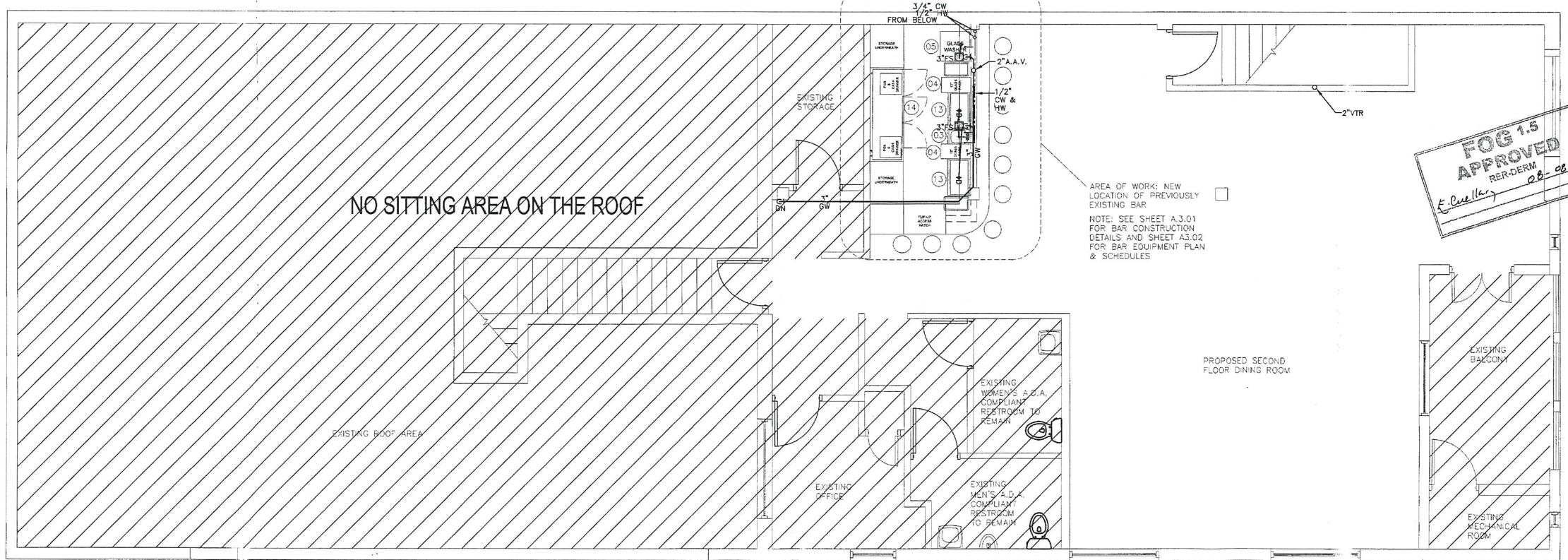


GROUND FLOOR PLAN

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

BEFORE COMMENCEMENT OF WORK CONTRACTOR SHALL FIELD VERIFY LOCATION, SIZE AND INVERT OF EXISTING SANITARY LINES, LOCATION AND SIZE OF EXISTING WATER AND VENT LINES, AND INFORM THE ENGINEER OF ANY DISCREPANCY THAT MAY AFFECT HIS/HER WORK.

GLASS WASHER TO BE EQUIPPED WITH A THERMOMEGATECH DTV-R DRAIN DISCHARGE TEMPERING VALVE, SET TO 120 DEG F. MAXIMUM.



SECOND FLOOR PLAN

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

FOG 1.5 APPROVED
 RER-DERM
 28-06-2017
 E. Castellano

REVISIONS	DATE	BY
1	3-31-2016	BDC
2	6-24-2016	BDC
3		
4	1-22-2017	
5	4-28-2017	

OWNER

Son Cubano
 2530 Ponce De Leon Blvd.
 Coral Gables FL 33134

Engineering Services, P.A.

HMB
 ELECTRICAL & MECHANICAL ENGINEERING SERVICES
 HECTOR M. BLASCO, PE FL # 59115
 15374 SW 14 Lane Miami FL 33194
 CA# 28443



APR 7 2017

DATE ISSUED
 3-09-2016

SHEET

P-1

OF

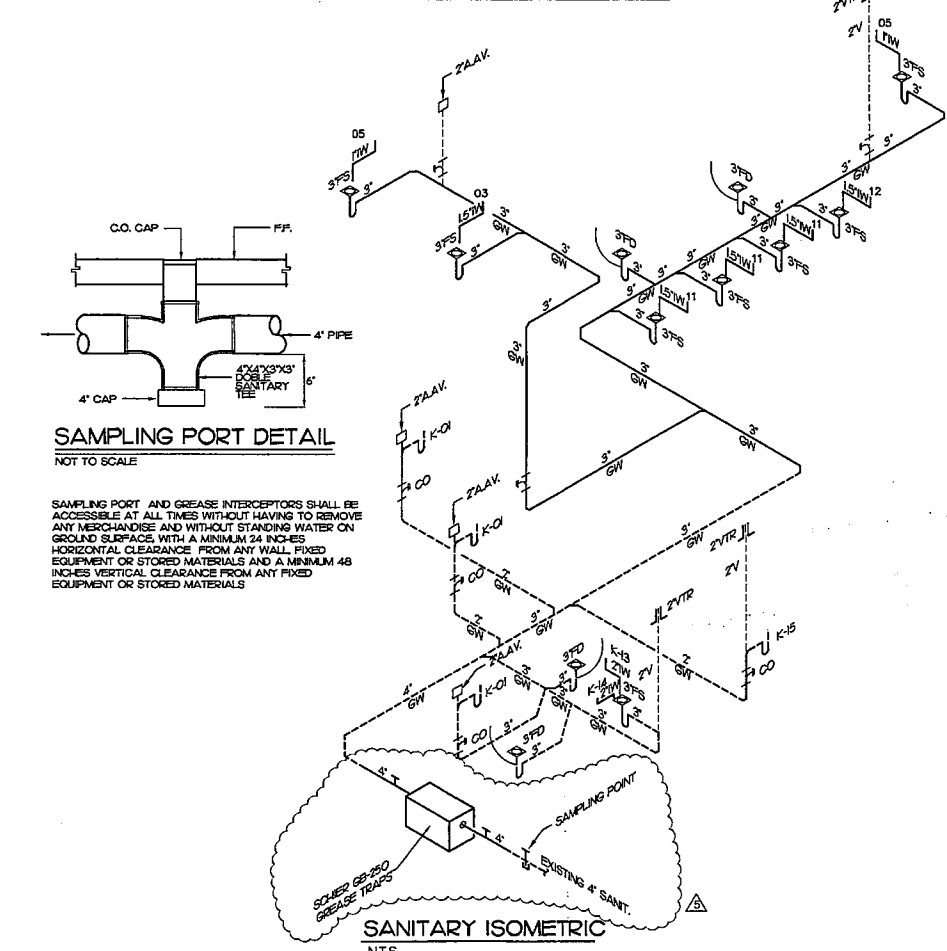
Received 4/5/2018

PLUMBING GENERAL NOTES:

- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR THE INSTALLATION OF A COMPLETE PLUMBING SYSTEM IN ACCORDANCE WITH THESE DRAWINGS, THE 2014 EDITION OF THE FLORIDA BUILDING CODE, ALL OTHER APPLICABLE STATE, COUNTY AND LOCAL CODES AND ORDINANCES.
- THE CONTRACTOR SHALL PAY ALL COSTS OF PERMIT, INSPECTIONS AND ALL OTHER COSTS INCIDENTAL TO THE COMPLETION AND TESTING OF THIS WORK UPON FINAL ACCEPTANCE. A CERTIFICATE FROM THE LOCAL INSPECTION AUTHORITY SHALL BE FURNISHED TO THE OWNER.
- ALL MATERIALS AND EQUIPMENTS SHALL BE NEW, OF U.S. MANUFACTURE AND OF GOOD QUALITY OF RESPECTIVE KIND AND GRADE, AND MUST BE FURNISHED SO AS TO PREVENT ANY DELAY IN THE PROGRESS OF THE WORK. ALL WORK THROUGHOUT SHALL BE PERFORMED IN A WORKMANLIKE MANNER BY SUFFICIENT NUMBER OF SKILLED WORKMEN.
- CONTRACTOR SHALL VISIT THE SITE AND REVIEW ALL PERTINENT UTILITY DRAWINGS TO FAMILIARIZE HIMSELF WITH THE LOCATION OF ALL EXISTING AND/OR PROPOSED UTILITY STAKES, PIPING, INVERTS, EQUIPMENT, ETC., AND MAKE DUE ALLOWANCES FOR ANY CONDITION AFFECTING HIS WORK.
- THE LOCATION OF ALL ITEMS SHOWN ON THE DRAWINGS ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS MUST BE DETERMINED BY THE CONTRACTOR AT THE PROJECT AND SHALL BE APPROVED BY THE ENGINEER BEFORE ACTUAL INSTALLATION.
- ALL PLUMBING LINES AND APPURTENANCES SHOWN ARE IN THE APPROXIMATE LOCATION. FINAL PLUMBING LINES EXACT LOCATION WILL BE DETERMINED AT PROJECT SITE IN RESPONSE TO FIELD CONDITIONS AND COORDINATION WITH OTHER TRADES.
- ALL CUTTING REQUIRED TO PERFORM THE WORK UNDER THIS CONTRACT WILL BE DONE BY MECHANICAL CONTRACTOR. ANY CUTTING OF STRUCTURE MUST BE APPROVED BY STRUCTURAL ENGINEER PRIOR TO EXECUTION OF WORK.
- GENERAL CONTRACTOR TO COORDINATE LOCATIONS AND SIZES OF ALL ACCESS DOORS WITH ARCHITECT.
- INSTALL CONCRETE SUPPORT AT BASE UNDERGROUND CONNECTION OF SOIL STACK, RAIN LEADER, ETC.
- ALL ABOVE GROUND SANITARY AND STORM DRAINAGE PIPING AND FITTINGS SHALL BE SCH 40 PVC, IN CONFORMANCE WITH ONE OF STANDARDS LISTED IN TABLE 7022 FBC PLUMBING.
- ALL BELOW GROUND SANITARY AND STORM PIPING AND FITTING SHALL BE SCH 40 PVC, IN CONFORMANCE WITH ONE OF STANDARDS LISTED IN TABLE 7022 FBC PLUMBING. INSTALLATION TO COMPLY WITH ASTM D 2321, STANDARD PRACTICE FOR INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS.
- ALL UNDERGROUND WATER PIPING SHALL BE COPPER TYPE 'K' (ASTM B-88). ALL ABOVE GROUND PIPING SHALL BE COPPER TYPE 'L' (ASTM B-88).
- ALL HOT WATER PRESSURE AND TEMPERATURE RELIEF PIPING SHALL BE COPPER TYPE 'M' (ASTM B-88).
- ALL CONDENSATE DRAINAGE PIPE SHALL BE INSULATED. CAST IRON INSULATION SHALL BE AS MANUFACTURED BY OWENS CORNING OR APPROVED EQUAL. ONE INCH THICK FIBERGLASS HEAVY DENSITY SECTIONAL PIPE INSULATION WITH PRE-SIZED FACTORY APPLIED FRJ JACKET OF GLASS CLOTH WITH LONGITUDINAL LAP AND BOOT JOINT STRIPS WITH SELF-SEALING ADHESIVE. VAPOR SEAL ALL JOINTS WITH FOSTER 30-36 TO AVOID CONDENSATION.
- ALL PLUMBING FIXTURES SHALL BE PROVIDED WITH ALL NECESSARY ACCESSORIES SUCH AS STOP VALVES, T-FITTINGS, SUPPORTS, P & T VALVES, ETC., AS REQUIRED. ALL EXPOSED BRASS AT FIXTURES AND EQUIPMENT SHALL BE CHROME PLATED BRASS PIPE OR TUBE. PROVIDE SHUT OFF VALVES AND UNIONS TO ALL FIXTURES, ETC. REGULAR WATER SUPPLY. PROVIDE ELECTRIC COUPLINGS AS REQUIRED. FOR ALL COPPER PIPING CONTRACTOR MUST USE 90% SOLDER. PROVIDE WATER HAMMER ARRESTORS TO EACH FIXTURE OR GROUP OF FIXTURES AS REQUIRED.
- PROVIDE CLEANOUTS WITH CHROME PLATED WALL OR FLOOR ACCESS FRAMES AND COVERS AS REQUIRED AT THE BASE OF ALL WASTE AND/OR VENT STACKS. PROVIDE PITCH PANS & LEAD FLASHING FOR ALL SANITARY SYSTEM VENTS.
- ALL HORIZONTAL WASTE PIPING 3" AND LARGER SHALL BE SLOPPED AT 1/8" PER FOOT.
- ALL 2" HORIZONTAL WASTE PIPING SHALL BE SLOPPED AT 1/4" PER FOOT.
- ALL DRAINS TO HAVE AUTOMATIC TRAP PRIMER DEVICES. PRIMER DEVICES SHALL BE LOCATED IN ACCESSIBLE CONCEALED SPACES. ACCESS DOOR TO BE COORDINATED WITH ARCHITECT.
- ALL POTABLE WATER USE FIXTURES SHALL COMPLY WITH 'NO-LEAD' REQUIREMENTS.
- ALL FIXTURES EXCEPT EWC SHALL BE PROVIDED WITH FLEXIBLE (NON-HARDENING) WHITE SILICON TYPE GROUT WHERE AGAINST FINISHED WALL & FLOOR SURFACES.
- ALL FIXTURES SUPPLIES AND STOPS SHALL BE CHROME PLATED (CP).
- ALL EXPOSED FIXTURE 'P'-TRAPS SHALL BE MINIMUM 17 GAL. & CHROME PLATED CAST BRASS OR 316 STAINLESS STEEL.
- ALL VENTS THRU THE ROOF TO BE AT LEAST 10'-0" AWAY FROM ANY AIR INTAKE.
- PROVIDE FLEXIBLE CONNECTION AT ALL PIPES CROSSING EXPANSION JOINTS.
- ALL HORIZONTAL STORM LINES AND ROOF DRAIN BODIES SHALL BE INSULATED WITH ONE INCH THICK FIBERGLASS PIPE INSULATION WITH WRINKLE-RESISTANT VAPOR BARRIER RETARDER JACKET. INSULATION TO BE AS MANUFACTURED BY OWENS CORNING OR APPROVED EQUAL.
- HOSE BIBBS TO HAVE VACUUM BREAKERS.
- NO PVC ALLOWED IN RETURN AIR PLENUMS.
- PROVIDE FLEXIBLE PIPE CONNECTIONS WITH INSULATED HANGERS AND VIBRATION INSULATION FOR HOUSE KEEPING PADS.
- RIGID SUPPORT SWAY BRACING SHALL BE PROVIDED AT CHANGES IN DIRECTION GREATER THAN 45 DEGREES (0.79 RAD) FOR PIPE SIZES 4 INCHES.
- HORIZONTAL BRANCHES SHALL CONNECT TO THE BASES OF STACKS AT A POINT LOCATED NOT LESS THAN 10 TIMES THE DIAMETER OF THE DRAINAGE STACK DOWNSTREAM FROM THE STACK.
- ALL HOT WATER SUPPLY AND RETURN PIPING SHALL BE INSULATED WITH ONE INCH THICK FIBERGLASS HEAVY DENSITY SECTIONAL PIPE INSULATION WITH PRE-SIZED FACTORY APPLIED FRJ JACKET OF GLASS CLOTH WITH LONGITUDINAL LAP AND BOOT JOINT STRIPS WITH SELF-SEALING ADHESIVE. OWENS CORNING OR APPROVED EQUAL.
- EXPOSED PIPES AND SURFACES
HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.
- PROVIDE ALL SHOWERS WITH ANTI-SCALDING VALVE @ 10 F OF THE THERMOSTATIC AND PRESSURE BALANCED TYPE (ASSE 1016)
INSULATION OF PIPING UNDER HANDICAPPED LAVATORIES SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 450.
- DOMESTIC HOT WATER AND RETURN HOT WATER TO BE INSULATED AS PER FBC PLUMBING TABLE 6071 MINIMUM PIPE INSULATION.

WATER HAMMER ARRESTER SPECS.

P.D.L UNITS	FULL RATINGS	CATALOG NO.	MANUFACTURER	STANDARDS
A	I-II	652-A	SIOLUX CHEF	ASSE 100



SANITARY ISOMETRIC
NTS.

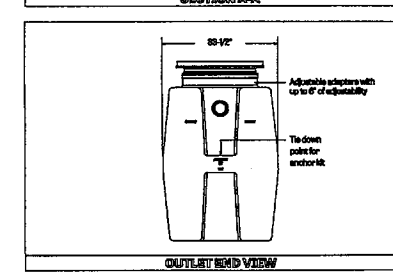
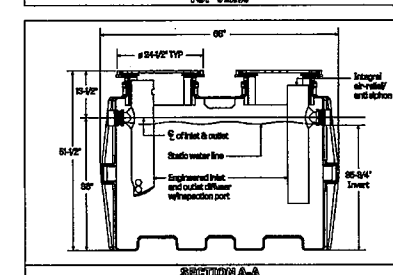
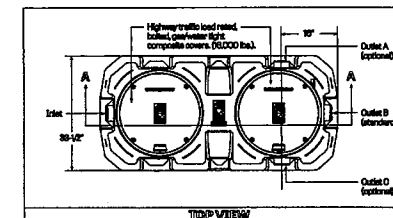
----- EXISTING GREASE LINE
————— NEW GREASE LINE

ITEM #	EQUIPMENT TYPE	MANUFACTURER	MODEL	QTY.	NOTES
01	18" LIQUOR DISPLAY	KROWNE	KR18-18RD	4	
02	36" ICE BIN	KROWNE	KR18-36	3	
03	HAND SINK	KROWNE	KR18-1C	1	
04	12" GLASS RACK	KROWNE	KR18-S12	5	
05	GLASSWASHER	LEASE - T.B.D. BY OWNER		2	
06	24" GLASS RACK	KROWNE	KR18-GSB1	1	
07	3 DOOR BACK BAR COOLER	TRUE FOOD SERVICE	Y18-24-72	2	
08	DIRECT DRAW BEER DISPENSER	TRUE FOOD SERVICE	TDD-3	1	
09	24" LIQUOR DISPLAY	KROWNE	KR18-24RD	1	
10	EXISTING 36" ICE BIN	KROWNE			EXISTING UNIT TO BE RELOCATED
11	EXISTING 18" HAND SINK	KROWNE			EXISTING UNIT TO BE RELOCATED
12	EXISTING 18" HAND SINK	KROWNE			EXISTING UNIT TO BE RELOCATED
13	30" ICE BIN	KROWNE	KR18-30	2	
14	3 DOOR BACK BAR COOLER	N/A			EXISTING UNIT TO BE RELOCATED

ITEM #	EQUIPMENT TYPE	MANUFACTURER	QTY.	NOTES
K-01	HAND-WASH SINK	KROWNE	3	EXISTING UNIT TO BE REMAIN
K-02	15" DEEP-FRYER, GAS	ROYAL	2	EXISTING UNIT TO BE REMAIN
K-03	36" 6-BURNER RANGE, GAS	AMERICAN RANGE	1	EXISTING UNIT TO BE REMAIN
K-04	36" 6-BURNER RANGE, ELECTRIC	AMERICAN RANGE	1	EXISTING UNIT TO BE REMAIN
K-05	24" 4-BURNER RANGE, GAS	AMERICAN RANGE	1	EXISTING UNIT TO BE REMAIN
K-06	18" HOT PLATE, GAS	AMERICAN RANGE	1	EXISTING UNIT TO BE REMAIN
K-07	54" REACH-IN REFRIGERATOR	TRUE FOOD SERVICE	1	EXISTING UNIT TO BE REMAIN
K-08	48" PIZZA PREP TABLE	TRUE FOOD SERVICE	1	EXISTING UNIT TO BE REMAIN
K-09	72" WORKTOP REFRIGERATOR	TRUE FOOD SERVICE	1	EXISTING UNIT TO BE REMAIN
K-10	STAINLESS STEEL PREP TABLE	ADVANCE TABCO	1	EXISTING UNIT TO BE REMAIN
K-11	DISH STORAGE TABLE	ADVANCE TABCO	1	EXISTING UNIT TO BE REMAIN
K-12	3-COMPARTMENT SINK	ADVANCE TABCO	1	EXISTING UNIT TO BE REMAIN
K-13	LOW-TEMP DISHWASHER	GORDON FOOD SERVICE	1	EXISTING UNIT TO BE REMAIN
K-14	DRAINBOARD W/SOILED SINK	ADVANCE TABCO	1	EXISTING UNIT TO BE REMAIN
K-15	MOP SINK	N/A		EXISTING UNIT TO BE REMAIN
K-16	30" SELF-CONTAINED ICE MAKER	MANITOWAC	1	EXISTING UNIT TO BE REMAIN

SPECIFICATIONS

- ROUTES**
- 4" plain end inlet/outlet.
 - Link weight - whoopie covers 280 lbs. w/out iron covers 340 lbs.
 - Maximum operating temperature 180° F condense.
 - Capacity - Liquid 275 gal. Grease 1075 lbs. (147.4 gal. 3. Grease 128 gal.
 - Built-in Flow control.
 - For gravity drainage applications only.
 - Do not use for pressure applications.
 - Cover placement allows full access to tank for proper maintenance.
 - Vent not required unless per local code.
 - Engineered inlet and outlet diffusers are removable to inspect/clean piping.
 - Integral air relief / Anti-siphon / Bumping access.



DEFERRED FLOW TECHNOLOGY
The inlet diffuser splits incoming flow into three paths, creating laminar flow and reducing the entire liquid volume of the tank for efficient grease separation. The calibrated opening greatly reduces turbulent flow. The effluent enters the main chamber without disturbing the existing grease or sediment layers.

DEFERRED SPECIFICATIONS GUIDE
Schier Great Basin™ grease interceptor model # GB-250 shall be made quarantined and made in USA of stainless, rotationally-molded polyethylene. Interceptor will be furnished in above or below grade installation. Interceptor shall be certified to ASME A13.1-1.3 and CSA B45.1 with field adjustable flow control. Interceptor flow rate shall be 100 GPM. Interceptor grease capacity shall be 1075 lbs. Cover shall provide minimum 100 lbs. load capacity.

CERTIFIED PERFORMANCE
Great Basin hydromechanical grease interceptors are third party performance tested and listed by IAPMO ASME A13.1-1.3 and CSA B45.1. Interceptors are designed and greatly exceed requirements for grease separation and storage. They are compliant to the Uniform Plumbing Code and the International Plumbing Code.

SCHIER
LUBRICATED GUARANTEED GREASE INTERCEPTORS

MODEL NUMBER: **GB-250**
DESCRIPTION: Polyethylene Grease Interceptor
100 GPM - 275 gallon capacity

100% Made in USA | Interceptors, US 0811 | 760-999-0000 | Fax: 760-999-0888 | www.schierproducts.com
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PUMP OUT FREQUENCY FOR 200 SEATS AND 3 MEALS PER SEAT RESTAURANT WILL OPEN AT NIGHT ONLY

Meals or Customer Per Day	"Grease Production Per Day"	"Days Per Pump-Out Cycle"	"Grease Capacity Needed in Lbs."	Interceptor (s) Grease Cap. in Lbs.
600	x 0.0455	x 30.0	= 819	100

Use Schier Grease Interceptors ASME A13.1-1.3 to meet the Grease Capacity calculated above.

PUMP OUT FREQUENCY 30 DAYS NO TAKE OUT

MULTIPLE FIXTURE FLOW CALCULATION

Fixture	Bowl dimension in inches	Bowl capacity in cubic inches	75% Bowl capacity in gallons	Total Fixture Capacity in Gallons	Number of Fixtures	Total gpm flow rate for one minute
1 3 Compartment Sink	Length 12 Width 18 Depth 14	3024	9.82	29.45	1	29.45
2 Soiled Sink	Length 12 Width 14 Depth 14	2352	7.64	7.64	1	7.64
3 One Compartment Sink	Length 12 Width 12 Depth 12	1728	5.81	11.22	1	11.22
4 Mop Sink	Length 20 Width 16 Depth 6	1920	6.23	6.23	1	6.23
5 Hand Sink	Length 10 Width 10 Depth 6	600	1.65	1.6	8	15.58
6 Dish Washer	- - -	-	-	14	1	14
7 GLASS WARE	- - -	-	-	2	2	4
8 FLOOR DRAIN	- - -	-	-	2FU	1 GPM	4
TOTAL GPM						92.13

REVISIONS

1				
2	6-24-2016	RDC		
3				
4	1-22-2017			
5	4-28-2017			

OWNER

Son Cubano
2530 Ponce De Leon Blvd.
Coral Gables FL 33134

Engineering Services, P.A.
ELECTRICAL & MECHANICAL ENGINEERING SERVICES
HECTOR M. BLASCO, P.E. # 58115
15374 N.W. 30th St.
TEL: (786) 986-6264



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