

**NOTES:**

**CODE NOTES:**

- CODE IN EFFECT: FBC 2023 8TH EDITION.

**GENERAL NOTES:**

- ALL PLUMBING FIXTURES, FIXTURE FITTINGS AND APPLIANCES TO BE HIGH EFFICIENCY IN ACCORDANCE WITH MIAMI DADE CHAPTER 8, ARTICLE III SECTION 8-31 TABLE 604.4 & P2903.2A.
- ALL PLUMBING FIXTURES, FIXTURE FITTINGS AND APPLIANCES SHALL COMPLY WITH REFERENCE STANDARD CODES AS PER FBCP 406 THROUGH 421.
- NO WASH-DOWN AREA IN THIS FACILITY. DIRTY FLOOR MATS SHALL BE PICKED UP BY AN OUTSOURCE CLEANING COMPANY. DIRTY FLOOR MATS SHALL BE REPLACED BY THE CLEAN ONES EVERY TWO DAYS.
- REFER TO DUNKIN' BRANDS SPECIFICATIONS FOR EXACT LOCATION OF FLOOR SINKS.
- HORIZONTAL DRAINAGE PIPING SHALL BE INSTALLED IN UNIFORM ALIGNMENT AT UNIFORM SLOPES. THE SLOPE OF A HORIZONTAL DRAINAGE PIPE SHALL NOT BE LESS THAN:
  - 2-1/2" OR LESS: 1/4 INCH PER FOOT
  - 3" TO 6": 1/8 INCH PER FOOT
  - 8" OR LARGER: 1/16 INCH PER FOOT

**CONSTRUCTION NOTES:**

- ELECTRICAL, MECHANICAL AND PLUMBING CONTRACTORS TO COORDINATE THE LOCATION OF ALL FIXTURES AND EQUIPMENT WITH THE ARCHITECTURAL REFLECTED CEILING DRAWINGS. CONTRACTOR TO SUBMIT REQUEST FOR ADDITIONAL INFORMATION OR CLARIFICATION FROM ARCHITECT IF ANY DISCREPANCIES ARE FOUND THAT AFFECT THE LOCATION OF ANY FIXTURE AND/OR EQUIPMENT AS LOCATED IN THE ARCHITECTURAL REFLECTED CEILING DRAWINGS.
- ALL FIXTURES VISIBLE TO BE MOUNTED CENTERED AND/OR EQUAL DISTANCE IN THE SPACE - AS PER THE ARCHITECTURAL REFLECTED CEILING DRAWINGS. CONTRACTOR MUST CONTACT ARCHITECT TO COORDINATE LOCATIONS(S) PRIOR TO INSTALLATION.

**PLUMBING LEGEND**

	FLOOR DRAIN
	FUNNEL TYPE FLOOR DRAIN
	FLOOR SINK
	HALF GRATE FLOOR SINK
	CLEANOUT

**DRAINAGE FIXTURE UNITS**

**SANITARY DRAINAGE FIXTURE UNITS**

(1) LAV	@ 1.0 DFU = 1.0 DFU
(1) WC	@ 4.0 DFU = 4.0 DFU
TOTAL CONNECTED = 5.0 DFU	

**GREASE WASTE DRAINAGE FIXTURE UNITS**

(4) FS	@ 2.0 DFU = 8.0 DFU
(2) SINK	@ 2.0 DFU = 4.0 DFU
(1) 3COMP.S	@ 6.0 DFU = 6.0 DFU
(2) FD	@ 2.0 DFU = 4.0 DFU
(1) MOP	@ 2.0 DFU = 2.0 DFU
TOTAL CONNECTED = 24.0 DFU	

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

**GREASE INTERCEPTOR SIZING**

**HYDRO-MECHANICAL GREASE INTERCEPTOR SIZING**

**1. PEAK FLOW - BASED ON TOTAL FIXTURE FLOW RATE**

ITEM	PLUMBING FIXTURE	LENGTH (INCH)	WIDTH (INCH)	DEPTH (INCH)	QUANTITY	VOLUME CU. IN.	GALLONS
1	3-COMP SINK	18	18	12	1	13,664	50.49
2	HAND SINK	16	16	6	2	3,072	13.3
3	MOP SINK	24	24	6	1	3,456	14.96
4							

TOTAL VOLUME = 78.75 GALLONS  
75% OF TOTAL VOLUME = 59.06 GALLONS  
DRAIN TIME = 2 MIN  
Q1 = 29.53 GPM

ITEM	PLUMBING FIXTURE	QUANTITY (A)	DFU (B)	DFU/GPM (C)	FLOW RATE (AxB/C)
1	FLOOR DRAIN (FD)	2	2	100	0.04
2	FLOOR SINK (FS)	4	1	100	0.04

Q2 = 0.08 GPM

ITEM	PLUMBING FIXTURE	QUANTITY	DRAIN RATE	FLOW RATE
1	DISHWASER	0	0	0.00
2				

Q3 = 0.00 GPM

GREASE WASTE DRAIN DIAMETER = 4 INCH  
MAXIMUM DRAINAGE FIXTURE UNITS = 180 DFU  
MAXIMUM FLOW = 100 GPM

PEAK FLOW RATE (Q1+Q2+Q3) = 30 GPM

**2. FOG LOAD**

**FOG BASED ON SEATS**

SEATS = 10 SEATS  
MEALS PER SEAT = 4 MEALS/SEATS  
MEALS = 40 MEALS/DAY

**FOG BASED ON OTHER MEALS**

TAKE-OUT MEALS = 60 MEALS/DAY  
DRIVE-THRU MEALS = 0 MEALS/DAY  
BANQUET/MEATING MEALS = 0 MEALS/DAY

TOTAL MEALS = 100 MEALS/DAY  
POUNDS FOG/MEAL = 0.0325 LBS/MEAL  
POUND FOG/DAY = 3.25 FOG LBS/DAY

PUMP OUT FREQUENCY (POF) = 90 DAYS  
POUNDS OF FOG @ POF = 293 LBS

**3. FOG CONTROL DEVICE PROVIDED AT 30 GPM**  
ONE (1) SCHIER GB-75-B @ 99% EFFICIENCY = 623 LBS

**NOTE:**  
PUMP OUT FREQUENCY SHALL BE A MAXIMUM OF 90 DAYS

**RER-DERM FOG Control Device (FCD) Installation Inspection**

Approval Date: \_\_\_\_\_  
Inspector: \_\_\_\_\_

DERM's FCD Installation Inspection Required Prior to Plumbing Final for all Municipal projects. Failure to secure DERM's FCD installation inspection will result in disapproval of final inspection by the Municipal Building Official, pursuant to Section 24.42-6, MDC Code.

To schedule DERM's FCD installation inspection for Municipal projects send an email to [FOG2@miamidade.gov](mailto:FOG2@miamidade.gov), 24 hours prior to the desired date. Provide the DERM-Grease approved process # number, complete address of the site, folio number, and contact person name and phone number.

USERR: N103002

**RER-DERM Summary Block Hydromechanical FOG Control Device (H-FCD)**

Required Information	Tank No. 1	Tank No. 2	Tank No. 3	Tank No. 4
Capacity (gpm)	50			
FOG Load Capacity (lbs) at 99% Efficiency	623.4			
Manufacturer	Schier			
Model No.	GB-75-B			
3" Party Certified (i.e., FDI, CSA, ASME)	FDK/ASME/UPC			
Interceptor Monitoring Alarm Model No.				
Interceptor Monitoring Device Model No.				
Solid Separator manufacturer and model				
Sampling port manufacturer and model				
Plumbing fitting: 4-inch double sanitary tee				

USERR: N103002

The FCD, and associated appurtenances on FOG approved stamped sheets in this set must be installed on site. Equivalent or similar equipment is not accepted by this Division. Should the FOG approved plan sheets be voided and/or revised, they shall be submitted to the Building Department, and DERM Grease accordingly for approval.

**ALL EQUIPMENT LABELS MUST BE VISIBLE AT THE TIME OF THE DERM/BUILDING INSPECTION, AND REMAIN VISIBLE THEREAFTER**



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13762 W St. Rd. 84 #320  
davie, florida 33325  
phone : (954) 423-1362  
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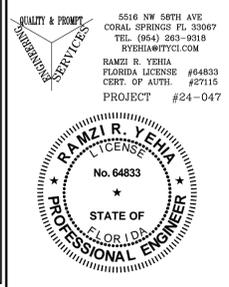
**DUNKIN' - COOL PALETTE**  
540 W ATLANTIC  
DELRAY BEACH, FL  
PC#364861

revisions:  
1.28.26  
BLDG. DEPT. COMMENTS

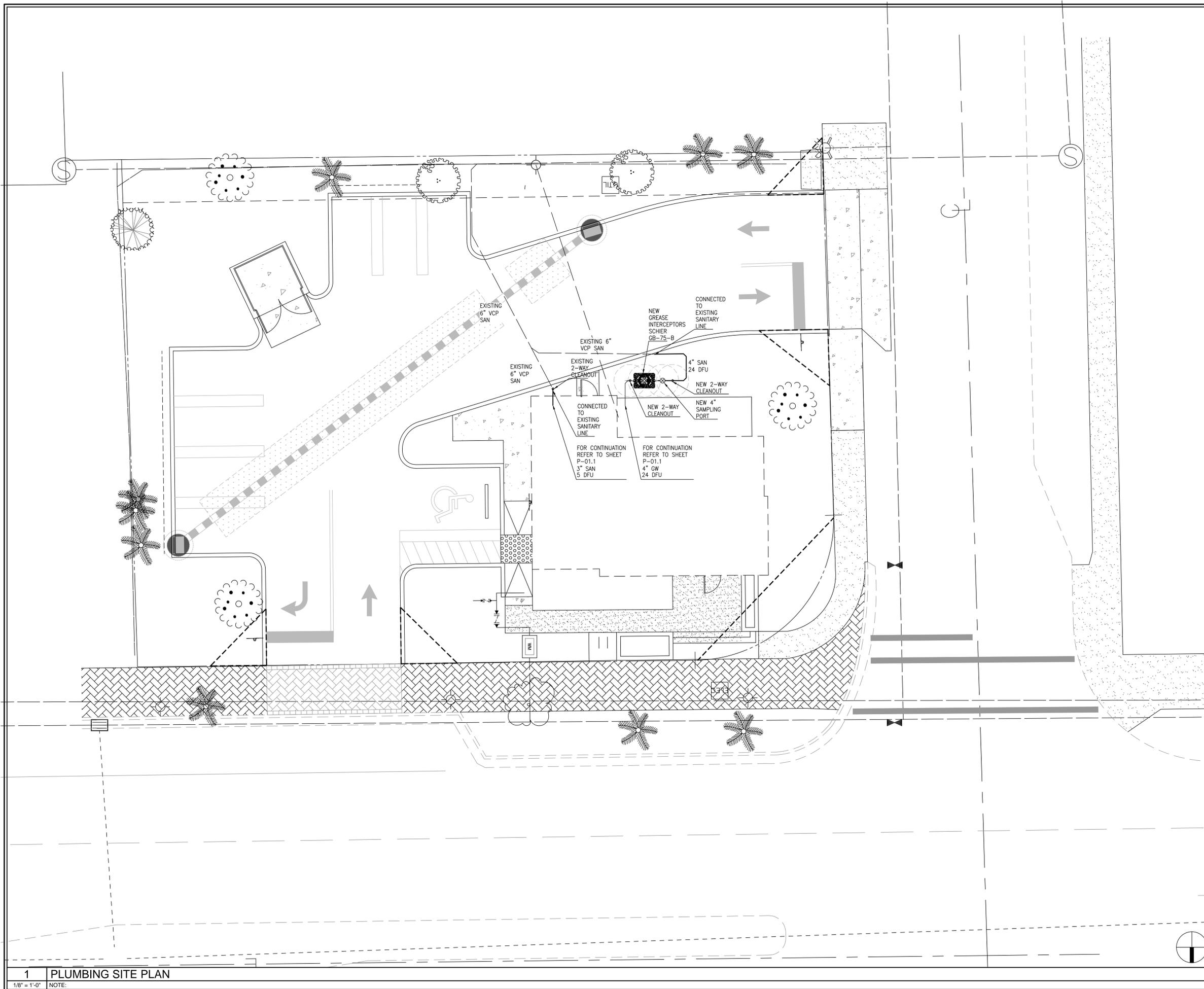
Drawn by:  
JA

date:  
03-06-2024

project # :



**P-01**  
PLUMBING  
SANITARY PLAN



1 PLUMBING SITE PLAN  
 1/8" = 1'-0" NOTE:



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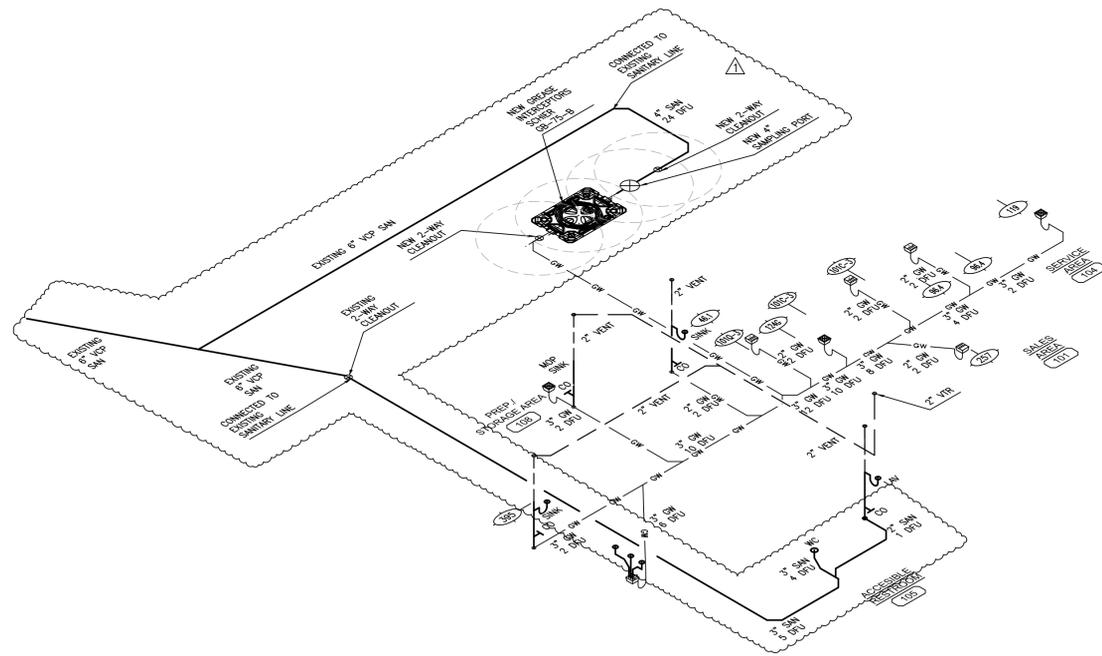
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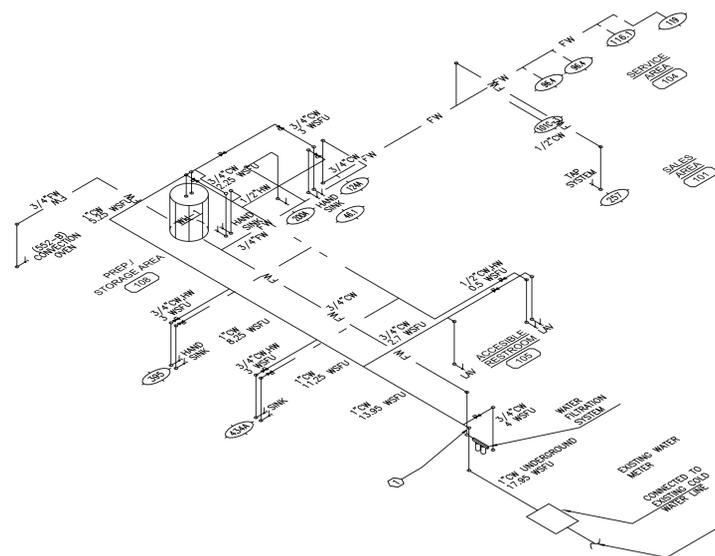
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QUALITY & PROMPT SUPERVISIONS  
 5516 NW 58TH AVE.  
 CORAL SPRINGS, FL 33067  
 TEL. (954) 263-9318  
 RYEHIA@TYCI.COM



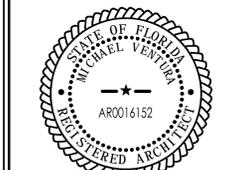


PLUMBING SANITARY ISOMETRIC



PLUMBING WATER ISOMETRIC

1	PLUMBING ISOMETRIC
NTS	NOTE:



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QUALITY & PROMPT  
SUPERVISION  
SERVICES



**P-03**  
PLUMBING  
ISOMETRICS

**SPECIFICATION NOTES**

- 4" FPT inlet/outlet with 4" plain end fittings
- Unit weight: 138 lbs. For wet weight, add 1,043 lbs. For traffic-rated cover(s), add 90 lbs per cover. For pedestrian cover(s), add 7 lbs per cover.
- Maximum operating temperature: 150° F continuous
- Liquid Capacity: 125 gal  
Grease Capacity (50 GPM): 730 lbs (100 gal)  
Solids Capacity: 0 gal
- Satisfies Miami DERM 99% efficiency requirements by retaining the following capacities at 99.0% efficiency:  
Grease Capacity (50 GPM): 623 lbs (85 gal)
- 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 with inspection ports are removable to inspect / clean piping
- Integral air relief / Anti-siphon / Sampling access
- Cover adapters provide an adjustable height range of 5"
- Designed for below-grade, above-grade, indoor or outdoor installations
- Designed for below-grade, above-grade, indoor or outdoor installations
- Designed for below-grade, above-grade, indoor or outdoor installations
- Designed for below-grade, above-grade, indoor or outdoor installations

**CERTIFIED PERFORMANCE**

Great Basin® hydromechanical grease interceptors are third party performance-tested and listed by IAPMO to ASME A112.14.3 and CSA B481.1 grease interceptor standards and greatly exceed requirements for grease separation and storage. They are compliant to the Uniform Plumbing Code and the International Plumbing Code.

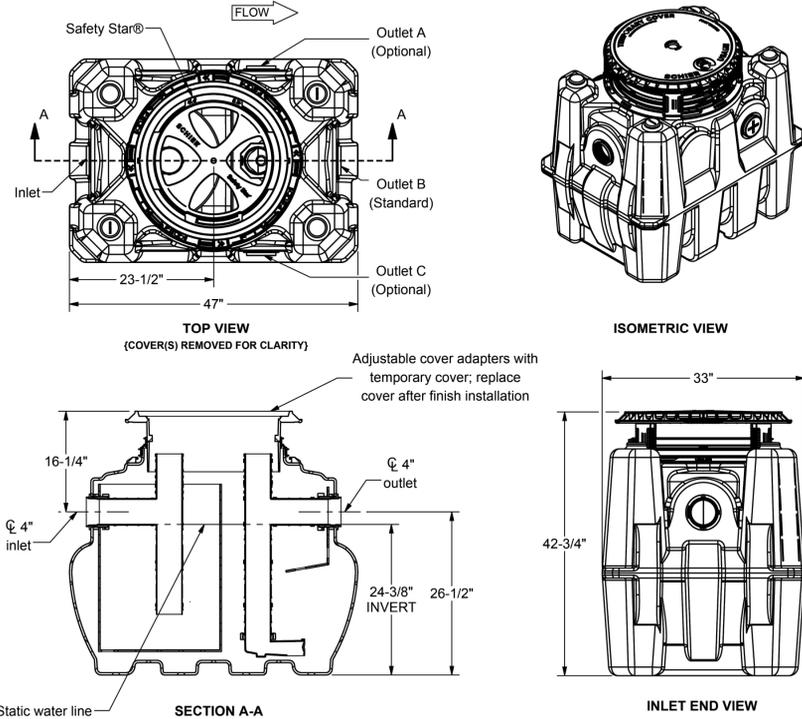
**ENGINEER SPECIFICATION GUIDE**

Schier Great Basin® grease interceptor model GB-75-B shall be lifetime guaranteed and made in USA of seamless, molded polyethylene with minimum 3/8" uniform wall thickness. Interceptor shall be furnished for above or below-grade installation with adjustable cover adapter, Safety Star® access restrictor built into each cover adapter, and three outlet options. This unit is certified for hydromechanical performance to ASME A112.14.3 (Type D) and CSA B481.1. Flow control not required. Interceptor flow rate shall be 50 GPM. Interceptor grease capacity shall be 730 lbs.

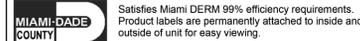
**COVERS SOLD SEPARATELY**

This unit is provided with temporary cover(s) intended for the duration of jobsite installation. Purchase one of the following finish covers.

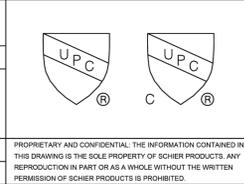
- T24-GI (8044-000-01): Traffic-rated (AASHTO H-20) cast iron cover shall provide water/gas-tight seal and have a minimum of 16,000 lbs load capacity. For outdoor installation.
- P24-GI (8045-000-01): Pedestrian-rated poly cover shall provide water/gas-tight seal and have a minimum of 2,000 lbs load capacity. For indoor installation.



SCHIER		MODEL NUMBER	GB-75-B
6455 Woodland Dr Shawnee, KS 66218		PART NUMBER	4045-303-01
tel: 913-951-3300 fax: 913-951-3399		DESCRIPTION	GB-75-B GREASE INTERCEPTOR 50 GPM, 4" PLAIN/FPT CONNECTIONS
schierproducts.com		DRAWN BY	C.FINCHAM
Made in the U.S.A.		DATE	05/19/2025
		REV	A
		ECO	00107

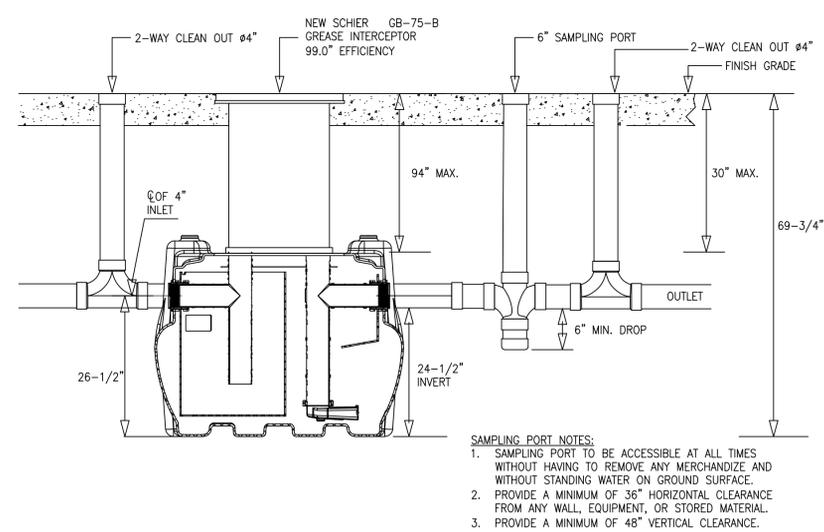


**SPECIFICATION SHEET**



PROPRIETARY AND CONFIDENTIAL. THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SCHIER PRODUCTS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SCHIER PRODUCTS IS PROHIBITED.

P29 GREASE INTERCEPTOR SPECIFICATIONS



- SAMPLING PORT NOTES:**
- SAMPLING PORT TO BE ACCESSIBLE AT ALL TIMES WITHOUT HAVING TO REMOVE ANY MERCHANDIZE AND WITHOUT STANDING WATER ON GROUND SURFACE.
  - PROVIDE A MINIMUM OF 36" HORIZONTAL CLEARANCE FROM ANY WALL, EQUIPMENT, OR STORED MATERIAL.
  - PROVIDE A MINIMUM OF 48" VERTICAL CLEARANCE.

P33 FOG CONTROL SYSTEM SECTION  
SCALE: 3/4" = 1'-0"

P31

P35

P32

P36

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RAMZI R. YEHIA  
FLORIDA LICENSE #64833  
CERT. OF AUTH. #27115  
PROJECT #24-047



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**P-06**  
PLUMBING  
DETAILS