

**GENERAL NOTES**

- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY FITTINGS AS REQUIRED BY ALL APPLICABLE CODES AND GOVERNING AUTHORITIES.
- CONTRACTOR SHALL VERIFY AND CORRECT AS REQUIRED TO MEET ALL CODES AND REGULATIONS ANY POSSIBLE DISCREPANCIES BETWEEN TYPE AND SIZE OF CONNECTION SPECIFIED IN PLUMBING FIXTURE SCHEDULE AND FIXTURES ACTUALLY INSTALLED ON THE SITE.
- ALL SANITARY 1/8" AND GREASE WASTE PIPING SHALL HAVE A 1/4" PER FOOT SLOPE UNLESS OTHERWISE NOTED OR PER LOCAL CODE.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES.
- CONTRACTOR SHALL FIELD VERIFY ALL GIVEN MEASUREMENTS PRIOR TO LAYING AND CONNECTING ALL SANITARY AND WASTE PIPING AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING FIRE RATINGS AND WEATHERPROOFING INTEGRITY OF ALL PIPING AND PENETRATIONS.
- ALL SANITARY LINES SHALL BE RUN AS CLOSE TO PLANS AS POSSIBLE WITH NO CHANGES IN SIZING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY SUPPORTING DEVICES FOR ALL FIXTURES INCLUDED IN CONTRACT OR HEREIN SPECIFIED OR OTHERWISE.
- CHANGES IN THE DIRECTION OF SANITARY PIPING SHALL NOT BE MADE WITH FITTINGS WHICH WILL CAUSE EXCESSIVE REDUCTION IN THE VELOCITY OF FLOW OR CREATE ANY OTHER ADVERSE EFFECT UNLESS PHYSICALLY IMPOSSIBLE (IE: USE OF SANITARY TEE IN A HORIZONTAL CONNECTION, USE OF A DOUBLE SANITARY TEE IN A VERTICAL STACK, IN GENERAL, USE OF SHORT-RADIUS FITTINGS FOR BRANCH TO HOUSE DRAIN OR STACK CONNECTION).
- ALL DRAINAGE PIPING SHALL BE MARKED WITH THE SEAL OF APPROVAL OF THE NATIONAL SANITATION FOUNDATION.
- SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF PLUMBING FIXTURE MOUNTING HEIGHTS, AND DIMENSIONS.
- CONTRACTOR SHALL VERIFY INVERT ELEVATIONS OF SANITARY AND GREASE TRAPS TO WHICH NEW SEWER LINES ARE TO BE CONNECTED BEFORE INSTALLATION OF NEW SEWER LINE.
- ALL VENTS THROUGH ROOF SHALL BE MIN. 10'-0" FROM ANY AIR INTAKES.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS (INCLUDING PIPE ROUTING AND EQUIPMENT LOCATIONS) TO ARCHITECT/ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE INSTALLATION OR PURCHASING OF ANY PIPING AND/OR EQUIPMENT.
- CLEANOUTS SHALL BE PROVIDED AT THE LOCATIONS INDICATED AND A MINIMUM WHERE REQUIRED BY CODE. FLOOR CLEANOUTS SHALL BE A MINIMUM OF 4" AND SHALL BE COMPLETE WITH A FLUSH PLUG AND REMOVABLE SCORLATED BRONZE FLOOR PLATE, PROVIDE CARPET BUTTONS IN CARPETED AREAS.

**FOOD SERVICE NOTES**

- ALL HORIZONTAL PIPING LINES EXTENDED AND CONNECTED TO EQUIPMENT, BELOW EQUIPMENT, SHALL BE RUN AT THE HIGHEST POSSIBLE ELEVATION ABOVE FLOOR, TO PROVIDE CLEARANCE FOR CLEARING. NO LINES SHALL LAY ON FLOOR.
- ALL PIPING ROUTED THROUGH OR NEAR EQUIPMENT OR COUNTERS SHALL NOT INTERFERE WITH THE INTENDED USE OF, OR SERVICING OF, EQUIPMENT OR COUNTERS.
- ALL EXPOSED PIPING AND FITTINGS SHALL BE CHROME PLATED OR STAINLESS STEEL. TAIL PIECES FOR SINKS SHALL BE 17 GAUGE CHROME PLATED FLARED BRASS TUBING FOR CONNECTION TO 1-1/2" I.P.S. MALE THREAD FITTING. "P" TRAPS SHALL BE CHROME PLATED BRASS, UNIFORM CODE PATTERN.
- KITCHEN EQUIPMENT DIVISION SHALL PROVIDE ALL FOOD SERVICE EQUIPMENT FAUCETS. PLUMBING CONTRACTOR SHALL INSTALL AND CONNECT EQUIPMENT SINKS ARE PROVIDED WITH 1-1/2" WASTE CONNECTIONS.
- ALL WASTES, DIRECT OR INDIRECT, SHALL BE FURNISHED AND INSTALLED BY THE PLUMBING CONTRACTOR EXCEPT AS NOTED ON UTILITY PLANS.
- MINIMUM SIZE INDIRECT WASTES SHALL BE 1", REGARDLESS OF SIZE OF CONNECTION AT EQUIPMENT.
- ADEQUATE CLEAN-OUT PROVISION SHALL BE MADE FOR ALL WASTE LINES BY MEANS OF PLUGGED "T" FITTING EXTENDED TO ACCESSIBLE POSITION.
- PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL DRAIN LINES FROM COLD STORAGE ROOM EVAPORATORS TO DRAIN LOCATIONS WITH MINIMAL PITCH AND "P" TRAP IN END OVER FLOOR RECEPTOR DRAIN LINES SHALL BE 1" MINIMUM. EACH EVAPORATOR SHALL HAVE A SEPARATE DRAIN LINE.
- PLUMBING CONTRACTOR SHALL COORDINATE WITH KITCHEN CONSULTANT DRAWINGS FOR ROUGH IN LOCATIONS, SIZES AND HOOK-UP REQUIREMENTS FOR ALL KITCHEN EQUIPMENT. ROUGH IN EQUIPMENT PER MANUFACTURERS RECOMMENDATIONS.

**FIELD VERIFY ALL CONDITIONS**

NOTE: AS NOTED IN THE SPECIFICATIONS, ALL WIRING LAYOUTS, PIPING LAYOUTS AND DUCT LAYOUTS ARE SCHEMATIC. EXACT LOCATIONS SHALL BE DETERMINED BY THE CONSTRUCTION AND STRUCTURE OF THE BUILDING AND SHALL BE VERIFIED AND COORDINATED IN THE FIELD. EACH TRADE CONTRACTOR SHALL VERIFY WITH THE GENERAL CONTRACTOR THAT HE HAS THOROUGHLY REVIEWED AND COORDINATED ALL LOCATIONS AND ROUTINGS WITH ALL OTHER TRADES PRIOR TO FABRICATION OF CONDUITS, DUCTS, OR PIPING, AND START OF INSTALLATION OF SAME (INCLUDING SPRINKLER PIPING WHEN PRESENT ON JOB). ANY INSTALLATION OR CONSTRUCTION CONFLICTS WHICH OCCUR IN THE FIELD SHALL BE RESOLVED BY THE TRADE CONTRACTOR TO THE SATISFACTION OF THE OWNER AND ARCHITECT AND AT NO EXPENSE TO THE OWNER, ARCHITECT AND/OR GENERAL CONTRACTOR.

THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID ALL COSTS TO MEET THE DESIGN INTENT. CLARIFICATIONS MADE BY THE ARCHITECT, ENGINEER OR OWNER AFTER BIDDING WILL BE FINAL AND SHALL BE IMPLEMENTED AT CONTRACTORS COST.

BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES, THE PLANS AND SPECIFICATIONS NOT WITHSTANDING. THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.

**SCOPE OF WORK**

PROPOSING RENOVATION TO EXISTING RESTAURANT. WORK TO INCLUDE OF LEGALIZATION OF EXISTING FOG SYSTEM.

**PLUMBING LEGEND**

- DIRECTION OF FLOW IN PIPE
- PITCH PIPE DOWN IN DIRECTION OF ARROW
- PIPE UP
- PIPE DOWN
- EXISTING VENT PIPE
- EXISTING GREASE WASTE (BELOW GRADE)
- POINT OF CONNECTION NEW TO EXISTING
- FS-1 (FLOOR SINK 1/2 GRATE)
- FLOOR DRAIN
- HUB DRAIN
- TRENCH DRAIN
- FLOOR CLEANOUT
- EXTERIOR CLEANOUT
- HORIZONTAL CLEANOUT

**ABBREVIATIONS**

ABBREVIATION	SANITARY
SAN	SANITARY
GW	GREASE WASTE
V	VENT
AFF/AFG	ABOVE FINISHED FLOOR/GRADE
AHJ	AUTHORITY HAVING JURISDICTION
ETR	EXISTING TO REMAIN
FCO	FLOOR CLEANOUT
GC	GENERAL CONTRACTOR
IW	INDIRECT WASTE
PC	PLUMBING CONTRACTOR
WCO	WALL CLEANOUT
FD	FLOOR DRAIN
HD	HUB DRAIN
FS	FLOOR SINK
TD	TRENCH DRAIN
F	FRANCHISE
EV	EQUIPMENT VENDTOR
CC	CONTRACTORS CHOICE
OC	OWNERS CHOICE
VLL	VERIFY WITH LANDLORD
SPS	SEE PLUMBING SCHEDULE
FCO	FLOOR CLEANOUT
GAL	GALLONS
GPM	GALLON PER MINUTE
DFU	DRAINAGE FIXTURE UNITS

**SHEET LIST**

SHEET NUMBER	SHEET TITLE
PLUMBING	
P-1	GENERAL NOTES AND LEGEND
P-2	PLUMBING SANITARY PLAN
P-3	PLUMBING DETAILS - 1
P-4	PLUMBING DETAILS - 2

NO.	DATE	ISSUE DESCRIPTION
3	12.12.2024	BD COMMENTS
2	12.05.2024	BD COMMENTS
1	07.10.2024	REVIEW SET

**NY ENGINEERS**

NEARBY ENGINEERS  
 382 NE 191ST STREET SUITE  
 49674, MIAMI, FL 33179  
 PH-914.257.3455  
 WWW.NY-ENGINEERS.COM

KEY PLAN

PROJECT NAME

PHYSICAL LOCATION

DRAWING TITLE  
**GENERAL NOTES, ABBREVIATIONS AND LEGENDS.**

GRAPHIC SCALE

SEAL	PROJECT NO.
SCALE	AS NOTED
DRAWN BY	NYE
CHECKED BY	NYE
DATE	07/10/2024
SHEET NUMBER	<b>P-1</b>

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Property of NY ENGINEERS



KEYED NOTES #

- EXISTING RESTROOM FIXTURES WITH EXISTING SANITARY, VENT AND ASSOCIATED ACCESSORIES AND FITTINGS TO REMAIN. CONTRACTOR TO FIELD VERIFY EXISTING CONDITION OF FIXTURES AND PIPING, REPLACE IF REQUIRED.
- EXISTING FLOOR SINK AND FLOOR DRAIN WITH EXISTING SANITARY, VENT AND ASSOCIATED ACCESSORIES AND FITTINGS TO REMAIN. CONTRACTOR TO FIELD VERIFY EXISTING CONDITION OF PIPING, REPLACE IF REQUIRED.
- EXISTING HAND SINK WITH EXISTING SANITARY, VENT AND ASSOCIATED ACCESSORIES AND FITTINGS TO REMAIN. CONTRACTOR TO FIELD VERIFY EXISTING CONDITION OF PIPING, REPLACE IF REQUIRED.
- EXISTING MOP SINK WITH EXISTING SANITARY, VENT AND ASSOCIATED ACCESSORIES AND FITTINGS TO REMAIN. CONTRACTOR TO FIELD VERIFY EXISTING CONDITION OF PIPING, REPLACE IF REQUIRED.
- EXISTING GREASE INTERCEPTOR AND SOLID INTERCEPTOR WITH SANITARY, VENT AND ASSOCIATED ACCESSORIES AND FITTINGS TO REMAIN. CONTRACTOR TO FIELD VERIFY EXISTING CONDITION OF INTERCEPTOR AND PIPING, REPLACE IF REQUIRED. NOTIFY THE ENGINEER IF ANY DISCREPANCIES IN THE FIELD.
- CONDENSATE DISPOSAL FROM EXISTING WALK IN COOLER AND FREEZER TO ADJACENT EXISTING FLOOR SINK OR EXISTING MOP SINK WITH APPROVED AIR GAP.
- ANY UNUSED PLUMBING EQUIPMENT, PIPING, ETC., WITHIN OR SERVING THE PREMISES MUST BE COMPLETELY REMOVED TO POINT OF ORIGIN AND CAPPED. DO NOT ABANDON IN PLACE.
- CONTRACTOR TO FIELD VERIFY AVAILABILITY OF SAMPLING PORT. PROVIDE NEW (SCHIER SV-10) AS SHOWN ON THE PLAN IF NOT EXISTING. REFER SHEET P-5 FOR MORE DETAIL. BASE BID ACCORDINGLY.

GENERAL NOTES

- ALL PIPING SHALL BE SNAKE CLEAN PRIOR TO CONNECTION.
- ANY CHANGES AND/OR UPGRADES TO TENANT'S EXISTING PLUMBING SYSTEMS SHALL COMPLY WITH ALL CODES AND ALL CRITERIA. EXISTING SYSTEMS SHALL POSSESS THE CAPACITY TO HANDLE ANY AND ALL CHANGES IN LOAD.
- ALL DRAIN, WASTE AND VENT FITTINGS SHALL BE CAST IRON PIPE.
- PLUMBING IS NOT PERMITTED IN ANY DEMISING PARTITIONS. FURROUT THE WALL AS NECESSARY. EXHAUST AND PLUMBING VENTS SHALL BE LOCATED A MINIMUM OF 10'-0" AWAY FROM ANY OUTSIDE AIR INTAKE, AND 5'-0" FROM ANY DEMISING WALL VERTICAL PLANE.
- ALL FLOOR DRAINS ARE REQUIRED TO HAVE TRAP PRIMERS.
- ANY UNUSED PLUMBING EQUIPMENT, PIPING, ETC., WITHIN OR SERVING THE PREMISES MUST BE COMPLETELY REMOVED TO POINT OF ORIGIN. DO NOT ABANDON IN PLACE.
- ALL FLOOR PENETRATIONS MUST BE CORE BORED, SLEEVED, GROUDED, SEALED AND MADE WATERPROOF. SLEEVES MUST EXTEND A MINIMUM OF 4" AFF.
- IF NOT ALREADY EXISTING, INSTALL A SHUT OFF VALVE ON DOMESTIC WATER LINE INSIDE SPACE.
- TENANT IS REQUIRED TO INSTALL A WATERPROOF MEMBRANE IN ALL WET AREAS OF THE SPACE. TENANT SHALL USE A 30 MIL POLYETHYLENE CLEAVAGE MEMBRANE (EQUAL TO NOBLESEAL TS) INSTALLED PER MANUFACTURERS RECOMMENDATIONS AND ANSI A108. MEMBRANE MUST BE EXTENDED UP THE WALL A MINIMUM OF 6" OR EQUAL TO THE HEIGHT OF THE FLOOR BASE.
- SLOPE OF DRAINAGE SYSTEM SHALL BE 1/8" PER FOOT FOR SANITARY & 1/4" PER FOOT OF RUN FOR GREASE WASTE FOR PIPE 3" AND ABOVE. 1/4" PER FOOT OF RUN FOR PIPE LESS THAN 3". VENT PIPING SHALL BE PITCHED TO DRAIN.
- PROVIDE ACCESS PANEL FOR CLEANOUTS AND ALL CONCEALED EQUIPMENTS THAT REQUIRE MAINTENANCE ACCESS. CONTRACTOR TO COORDINATE WITH ARCHITECT FOR LOCATION.

EQUIPMENT SCHEDULE

EQ. TAG.	QTY.	EQUIPMENT CATEGORY	COLD WATER SIZE (IN)	HOT WATER SIZE (IN)	DIRECT DRAIN SIZE (IN)	INDIRECT DRAIN SIZE (IN)	MBTUH	GAS SIZE (IN)	PLUMBING REMARKS
1	3	FRYER, DEEP FAT GAS W/FILTER	-	-	-	-	-	-	REFER KITCHEN EQUIPMENT SCHEDULE
2	1	GRIDLER	-	-	-	-	-	-	REFER KITCHEN EQUIPMENT SCHEDULE
3	1	BURNER	-	-	-	-	-	-	REFER KITCHEN EQUIPMENT SCHEDULE
4	1	WOK	-	-	-	-	-	-	REFER KITCHEN EQUIPMENT SCHEDULE
5	1	3-COMPARTMENT SINK - EXISTING	E	E	-	E	-	-	-
6	2	HAND SINK - EXISTING	E	E	-	E	-	-	-
7	1	MOP SINK - EXISTING	E	E	-	E	-	-	-

GREASE INTERCEPTOR CALCULATIONS

EQ. TAG	FIXTURE TYPE	COMPARTMENT QUANTITY	L	W	D	VOLUME (CU. IN.)	VOLUME (GALLONS)	% FULL	DRAIN TIME (MINUTES)	DRAINAGE LOAD (GALLONS)
05	3-COMP SINK	3	18	18	14	13608	58.9	0.75	2	22.1
08	MOP SINK	1	24	20	10	4800	20.8	0.75	2	7.8
06	HAND SINK	2	10	14	5	1400	6.1	0.75	2	2.3
EX.FD	FLOOR DRAIN	2	-	-	-	-	-	0.75	2	2.00
*TOTAL FIXTURE FLOW RATE (GPM):										34.20
EQ. TAG	FIXTURE TYPE	QUANTITY	FLOW CAPACITY (GPM)		FLOW RATE (GPM)					
EX.FS	FLOOR SINK	4	0.25		1.00					
MAXIMUM FLOW RATE (GPM):										35
SELECTED FLOW RATE:										35 GPM

FOG LOAD

NO OF SEATS	7
SEATING ROTATIONS	4
MEALS FROM SEATS	28
TAKE OUT MEALS	100
TOTAL MEALS	128
POUNDS FOG / MEAL = 0.025 POUNDS / MEALS, HIGH GREASE NO FLATWARE	
POUNDS FOG / DAY = 3.20	
GREASE PRODUCTION FOR 30 DAYS = 96 FOG LBS	
GREASE PRODUCTION FOR 60 DAYS = 192 FOG LBS	
SELECTED MODEL - SCHIER GB-2	
FOG CAPACITY @ 99% - 180 LBS	
PUMP OUT FACTOR SELECTED - 30 DAYS	

YELLOW GREASE CALCULATION & STORAGE CAPACITY

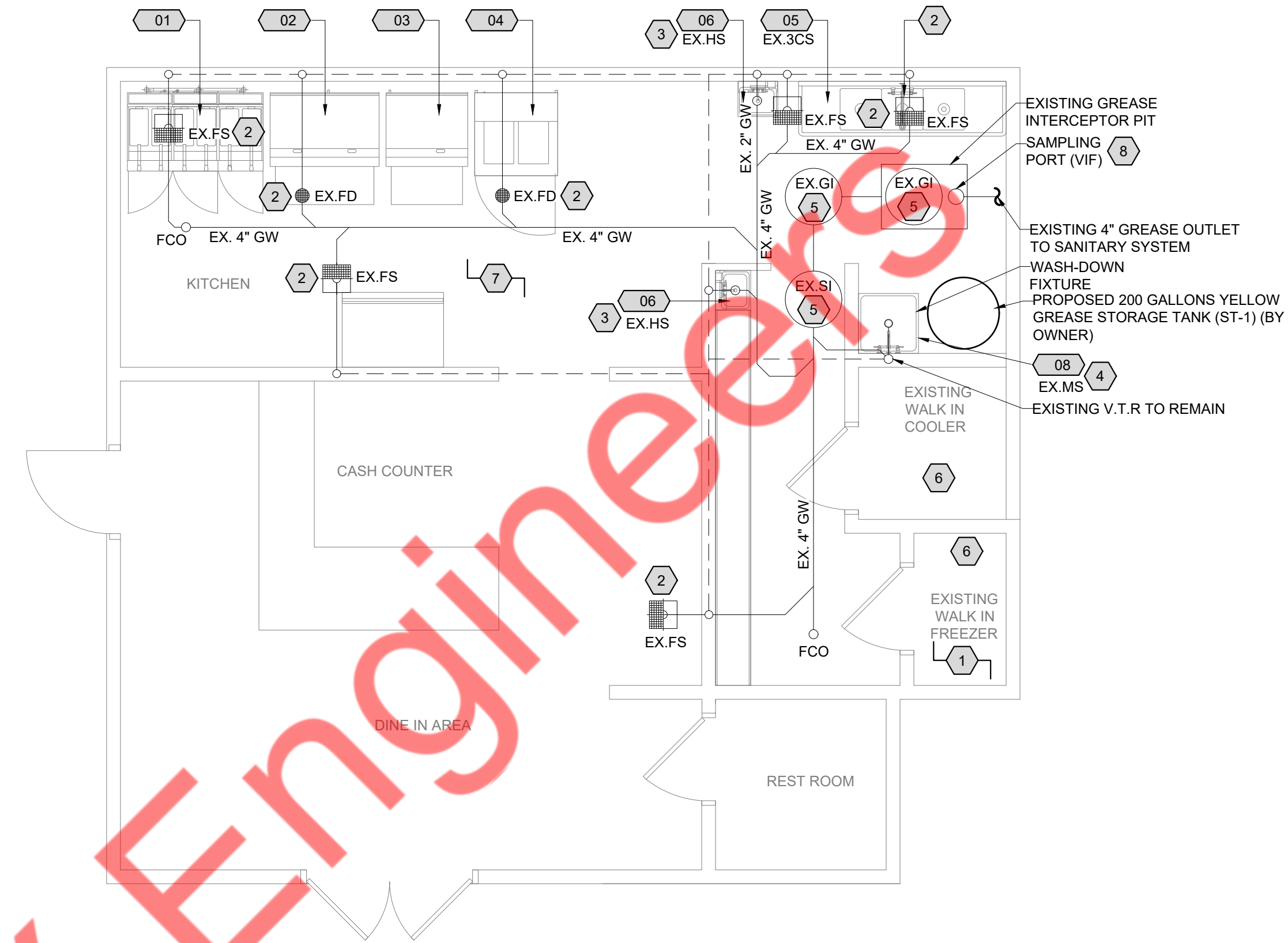
NO OF FRYERS (QTY.)	3
OIL CAPACITY OF EACH FRYER (GALLONS)	6.8
OIL CHANGE FREQUENCY (DAYS)	4
YELLOW GREASE GENERATED IN A WEEK (GAL PER WEEK)	35.7
YELLOW GREASE GENERATED IN A MONTH (GAL PER MONTH)	142.8
PROPOSED CAPACITY OF TANK IS 200 GALLONS OR 1500 LBS	
FREQUENCY OF EMPTYING OF THE STORAGE CONTAINER AT 90% CAPACITY IS 30 DAYS	
SUMMARY: WITH 3 FRYERS, EACH WITH A CAPACITY OF 6.8 GALLONS, TOTAL CAPACITY IS 3 FRYERS * 6.8 GALLONS/FRYER = 20.4 GALLONS. IF OIL CHANGE FREQUENCY IS 4 DAYS, WE'RE USING 20.4 GALLONS EVERY 4 DAYS. TO FIND THE WEEKLY USAGE, WE CAN DIVIDE 7 DAYS BY 4 DAYS/CHANGE TO SEE HOW MANY CHANGES OCCUR IN A WEEK: CHANGES OCCUR IN A WEEK 7 DAYS / 4 DAYS/CHANGE = 1.75 CHANGES. SO, IN A WEEK, WE'RE USING 1.75 CHANGES * 20.4 GALLONS/CHANGE = 35.7 GALLONS OF OIL PER WEEK. CONSIDERING 4 WEEKS IN A MONTH TOTAL GALLONS IS 35.7 GALLONS * 4 WEEKS = 142.8 GALLONS	

GREASE AND SOLID INTERCEPTOR SCHEDULE - EXISTING

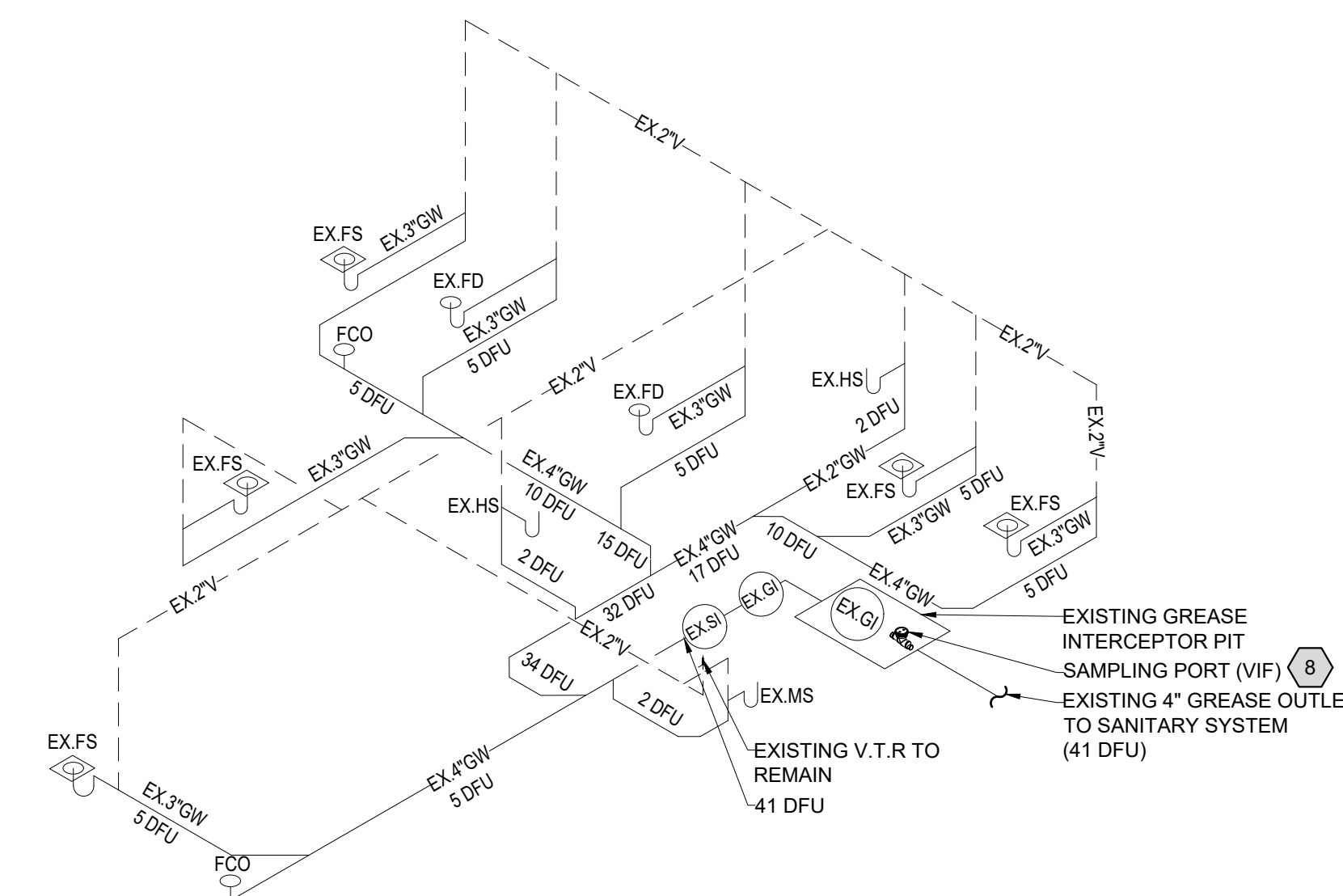
PER PDI G-101 STANDARDS									
TAG NO	DESCRIPTION	QTY	INLET / OUTLET SIZE (INCHES)	FLOW RATE (GPM)	WATER (GAL)	GREASE (LBS)	SOLID (GAL)	MANUFACTURER AND MODEL	REMARKS
EX.GI	EXISTING GREASE INTERCEPTOR	2	4"	35 / 50 GPM	24.7	180	1.8	SCHIER GB-2	EXISTING TO REMAIN
EX.SI	EXISTING SOLID INTERCEPTOR	1	3"	35 GPM	16	-	2	STRIEM AARDVARK AA-S	EXISTING TO REMAIN

COOKING OIL TANK SCHEDULE

TAG NO	DESCRIPTION	QTY	STORAGE (GAL)	GREASE (LBS)	MANUFACTURER AND MODEL	DIMENSIONS	REMARKS
ST-1	YELLOW GREASE STORAGE TANK	1	200	1500	MAHONEY	31" DIA X 87.5" HEIGHT	TANK CONNECTIONS AS PER MANUFACTURER RECOMMENDATIONS



PLUMBING SANITARY PLAN



PLUMBING SANITARY RISER

**NY ENGINEERS**  
NEARBY ENGINEERS  
382 NE 191ST STREET SUITE  
49674, MIAMI, FL 33179  
PH-914.257.3455  
WWW.NY-ENGINEERS.COM

NO.	DATE	ISSUE DESCRIPTION
3	12.12.2024	BD COMMENTS
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1	07.10.2024	REVIEW SET

PROJECT NAME	
PHYSICAL LOCATION	
DRAWING TITLE	PLUMBING SANITARY PLAN

GRAPHIC SCALE	0 1/2" 1" 1 1/2" 2"
SEAL	
PROJECT NO.	
SCALE	AS NOTED
DRAWN BY	NYE
CHECKED BY	NYE
DATE	07/10/2024
SHEET NUMBER	<b>P-2</b>

THIS PLAN IS APPROVED ONLY FOR THE WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR BE CONSIDERED AS BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES



**SPECIFICATIONS**

**Notes:**

- 4" FPT inlet/outlet with 3" and 4" plain end fittings.
- Unit weight - 49 lbs. (wet weight 216 lbs.)
- Maximum operating temperature: 150° F continuous
- Capacities - Liquid: 20 gal.  
Grease: 130 lbs. (17.8 gal.) @35 GPM  
Grease: 127 lbs. (17.3 gal.) @50 GPM  
Grease (99% - at least 2 units in series): 180 lbs. (24.7 gal.) @35 GPM  
Solids: 1.8 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.
- Designed for indoor, on-floor, below-grade or low-profile under sink installations.

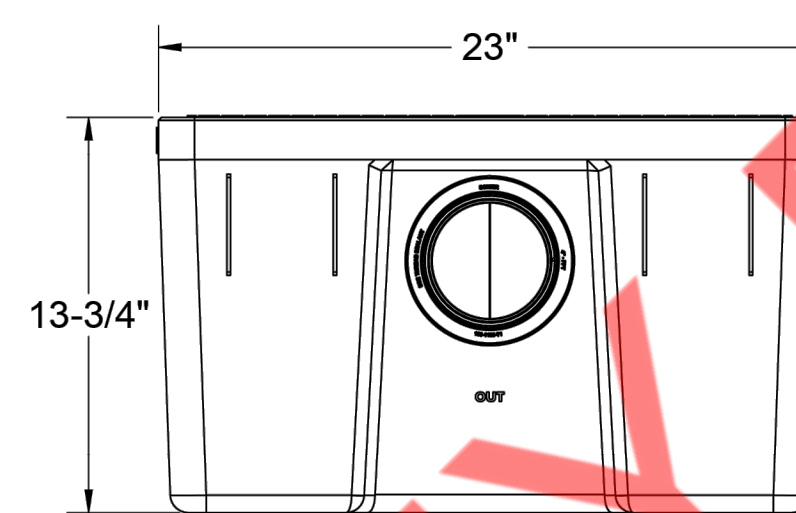
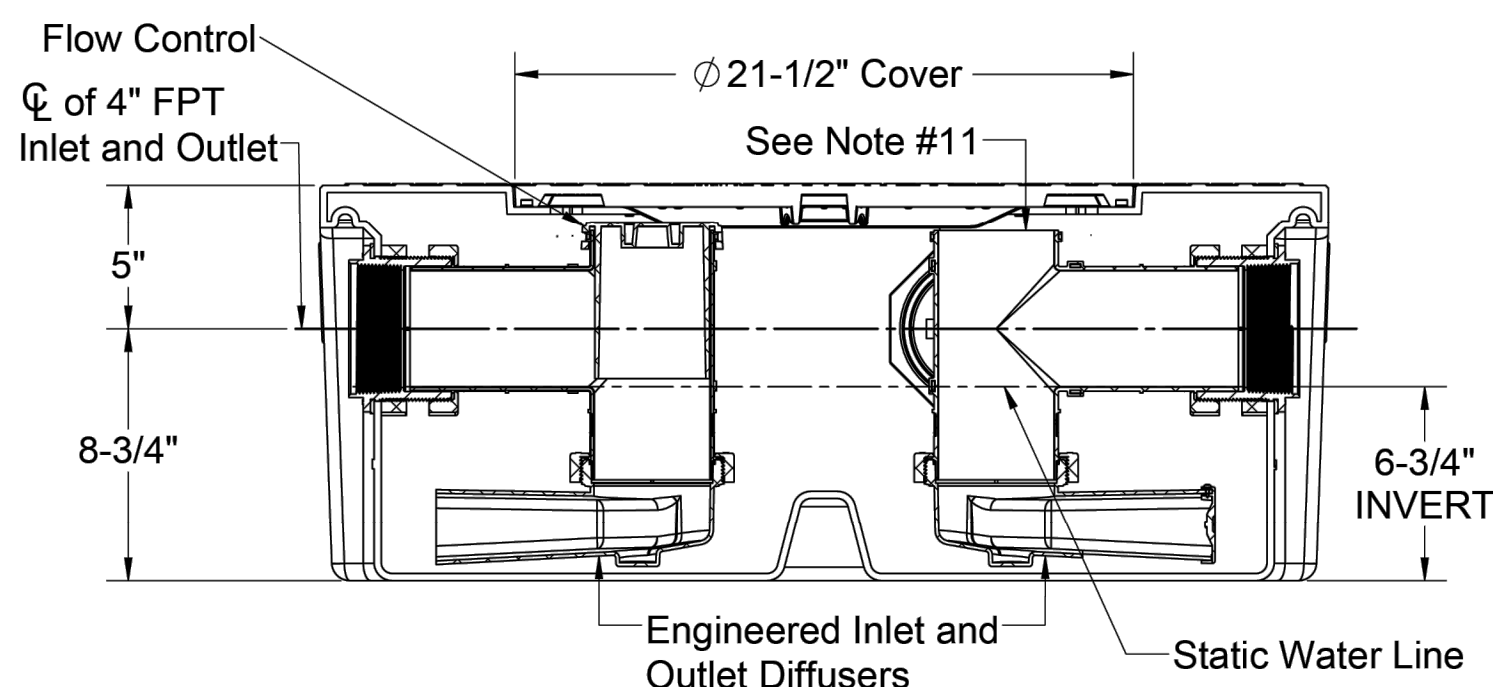
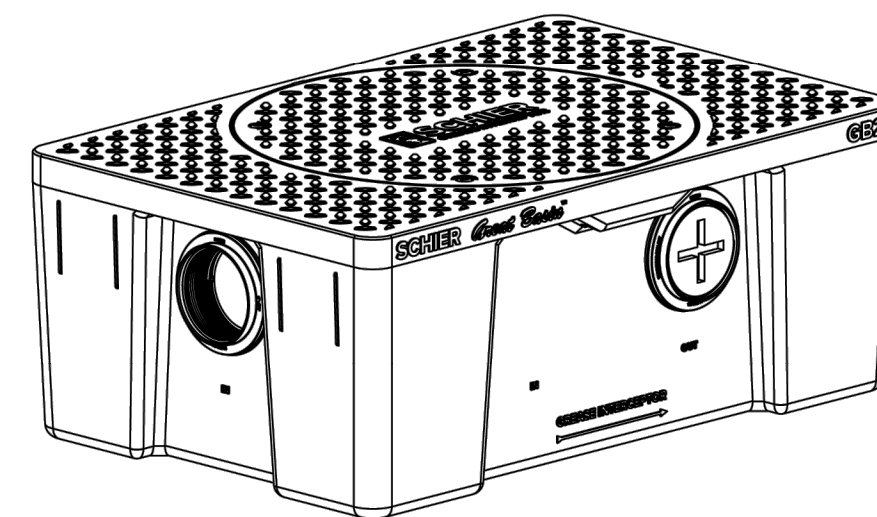
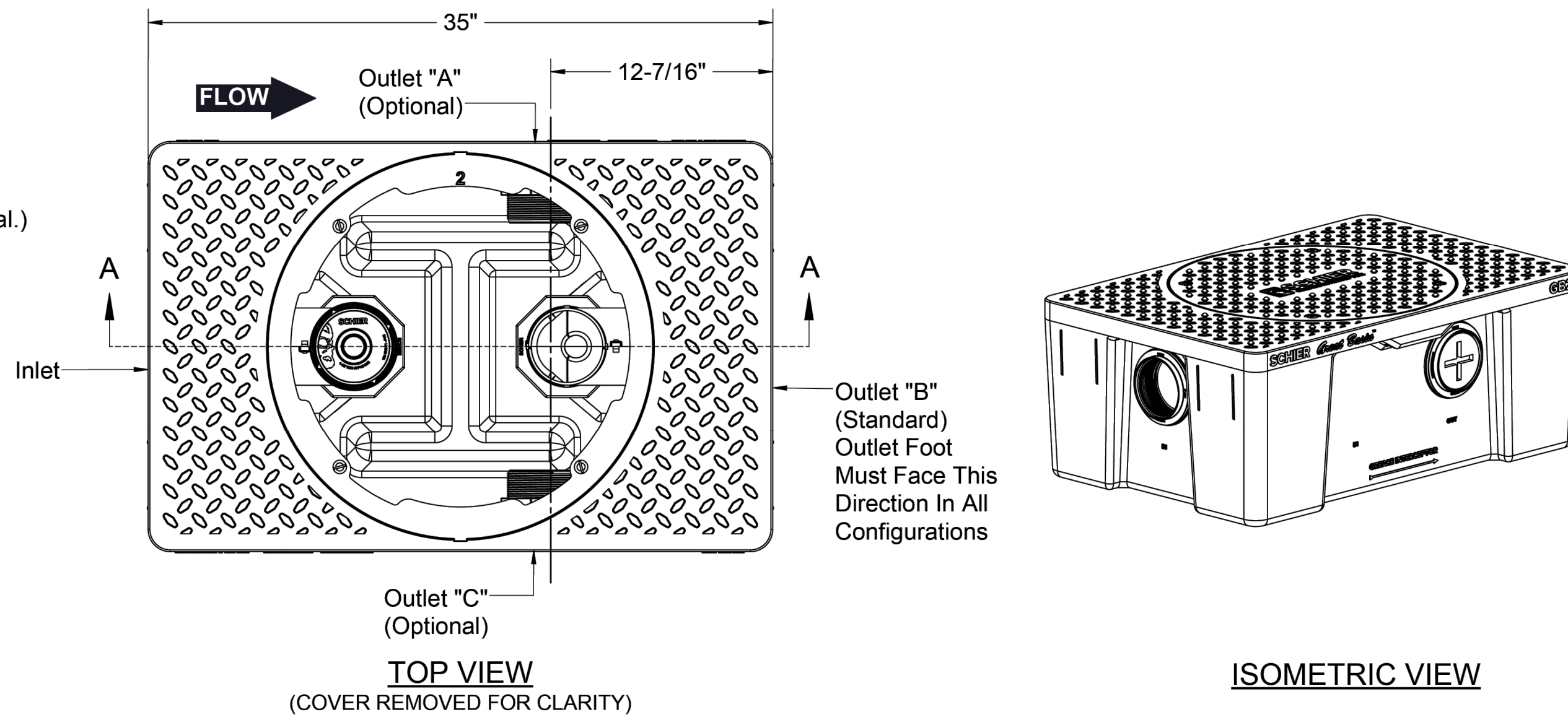
**ENGINEER SPECIFICATION GUIDE**

Schier Great Basin™ grease interceptor model # GB2 shall be lifetime guaranteed and made in USA of seamless, rotationally-molded polyethylene with minimum 5/16" uniform wall thickness. Interceptor shall be furnished for above or below grade installation. Interceptor shall be certified to ASME A112.14.3 (type C) and CSA B481.1, with field cut riser system, built-in flow control and three outlet options. Interceptor flow rate shall be 35 or 50 GPM. Interceptor grease capacity shall be 130 lbs. @ 35 GPM or 127 lbs. @ 50 GPM. Cover shall provide water/gas-tight seal and have minimum 450 lbs. load capacity.

**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, the National Standard Plumbing Code, the National Plumbing Code of Canada, and the International Plumbing Code.

**MIAMI-DADE COUNTY** Satisfies Miami DERM 99% efficiency requirements when at least 2 units are installed in series. Product labels are permanently attached to inside and outside of unit for easy viewing.



SECTION A-A

END VIEW

**SPECIFICATION SHEET**

<b>MODEL NUMBER:</b> <b>GB2</b>	<b>PART NUMBER:</b> 4065-001-05		
<b>DESCRIPTION:</b> GB2 GREASE INTERCEPTOR 35 GPM / 50 GPM, 4" FPT INLET/OUTLET, WITH 3" AND 4" PLAIN END FITTING ADAPTERS AND PEDESTRIAN RATED COVER	6455 Woodland Dr Shawnee, KS 66218 Tel: 913-951-3300 Fax: 913-951-3399 schierproducts.com		
<b>DWG BY:</b> C.SINCLAIR	<b>DATE:</b> 5/5/2022	<b>REV:</b> -	<b>ECO:</b> -

TABLE 1 – Test Results per ASME A112.14.3-2000 (Reaffirmed 2004)

Test No.	Grease Sink	Water Sink	Drop Time (sec)	Flow Rate (GPM)	INCREMENTAL				ACCUMULATED			
					Lbs added	Lbs skimmed	Lbs retained	Efficiency (%)	Lbs added	Lbs skimmed	Lbs retained	Efficiency (%)
1	1	2	111	35.9	7	0.00	7.00	100	7	0.00	7.00	100
2	2	1	112	35.6	7	0.00	7.00	100	14	0.00	14.00	100
3	1	2	110	36.3	7	0.02	6.98	99.7	21	0.02	20.98	99.9
4	2	1	112	35.6	7	0.04	6.96	99.4	28	0.06	27.94	99.8
5	1	2	111	35.9	7	0.05	6.95	99.3	35	0.11	34.89	99.7
6	2	1	112	35.6	7	0.05	6.95	99.3	42	0.16	41.84	99.6
7	1	2	111	35.9	7	0.05	6.95	99.3	49	0.21	48.79	99.6
8	2	1	112	35.6	7	0.06	6.94	99.1	56	0.27	55.73	99.5
9	1	2	111	35.9	7	0.05	6.95	99.3	63	0.32	62.70	99.5
10	2	1	111	35.9	7	0.04	6.96	99.4	70	0.36	69.64	99.5
11	1	2	112	35.6	7	0.07	6.93	99.0	77	0.43	76.57	99.4
12	2	1	112	35.6	7	0.05	6.95	99.3	84	0.48	83.52	99.4
13	1	2	112	35.6	7	0.06	6.94	99.1	91	0.54	90.46	99.4
14	2	1	112	35.6	7	0.06	6.94	99.1	98	0.60	97.40	99.4
15	1	2	112	35.6	7	0.05	6.95	99.3	105	0.65	104.35	99.4
16	2	1	112	35.6	7	0.07	6.93	99.0	112	0.72	111.28	99.4
17	1	2	112	35.6	7	0.07	6.93	99.0	119	0.79	118.21	99.3
18	2	1	112	35.6	7	0.08	6.92	98.9	126	0.87	125.13	99.3
19	1	2	111	35.9	7	0.10	6.90	98.6	133	0.97	132.03	99.3
20	2	1	112	35.6	7	0.10	6.90	98.6	140	1.07	138.93	99.2
21	1	2	112	35.6	7	0.11	6.89	98.4	147	1.18	145.82	99.2
22	2	1	112	35.6	7	0.14	6.86	98.0	154	1.32	152.68	99.1
23	1	2	113	35.3	7	0.12	6.88	98.3	161	1.44	159.56	99.1
24	2	1	113	35.3	7	0.16	6.84	97.7	168	1.60	166.40	99.0
25	1	2	113	35.3	7	0.16	6.84	97.7	175	1.76	173.24	99.0
26	2	1	113	35.3	7	0.13	6.87	98.1	182	1.89	180.11	99.0
27	1	2	112	35.6	7	0.16	6.84	97.7	189	2.05	186.95	98.9
28	2	1	112	35.6	7	0.15	6.85	97.9	196	2.20	193.80	98.9

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

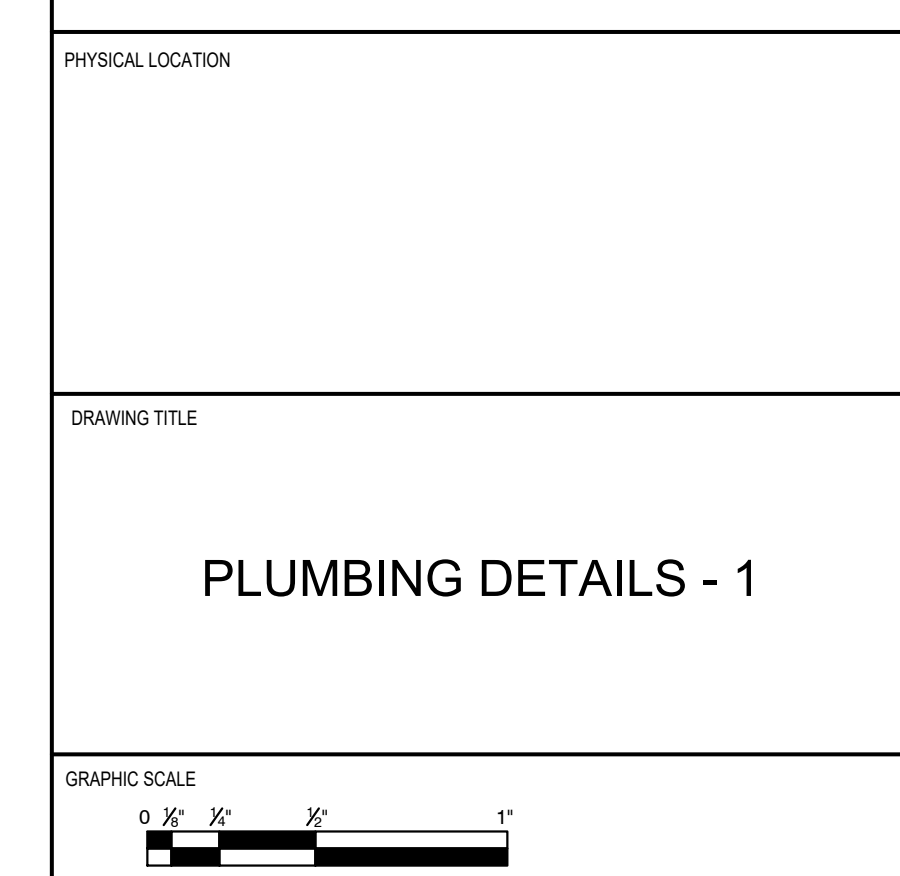
Required Information	Tank No. 1	Tank No. 2	Tank No. 3	Tank No. 4
Capacity (gpm)	35 GPM	35 GPM		
FOG Load Capacity (lbs) at 99% Efficiency	180			
Manufacturer	Schier	Schier		
Model No.	GB2-2	GB2-2		
3 <sup>rd</sup> Party Certifier (i.e., PDI, CSA, ASME)	ASME A112.14.3	ASME A112.14.3		
Interceptor Monitoring Alarm Model No.	N/A	N/A		
Interceptor Monitoring Device Model No.	N/A	N/A		
Solid Separator manufacturer and model	Striem Aardvark Series AA-S			
Sampling port manufacturer and model	Schier SV10			

Updated: 9/8/2022  
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

NO.	DATE	ISSUE DESCRIPTION
3	12.12.2024	BD COMMENTS
2	12.05.2024	BD COMMENTS
1	07.10.2024	REVIEW SET

**NY ENGINEERS**  
NEARBY ENGINEERS  
382 NE 191ST STREET SUITE  
49674, MIAMI, FL 33179  
PH-914.257.3455  
WWW.NY-ENGINEERS.COM

PROJECT NAME  
PHYSICAL LOCATION  
DRAWING TITLE  
**PLUMBING DETAILS - 1**



SEAL	PROJECT NO.
	SCALE AS NOTED
	DRAWN BY NYE
	CHECKED BY NYE
	DATE 07/10/2024
	SHEET NUMBER <b>P-3</b>

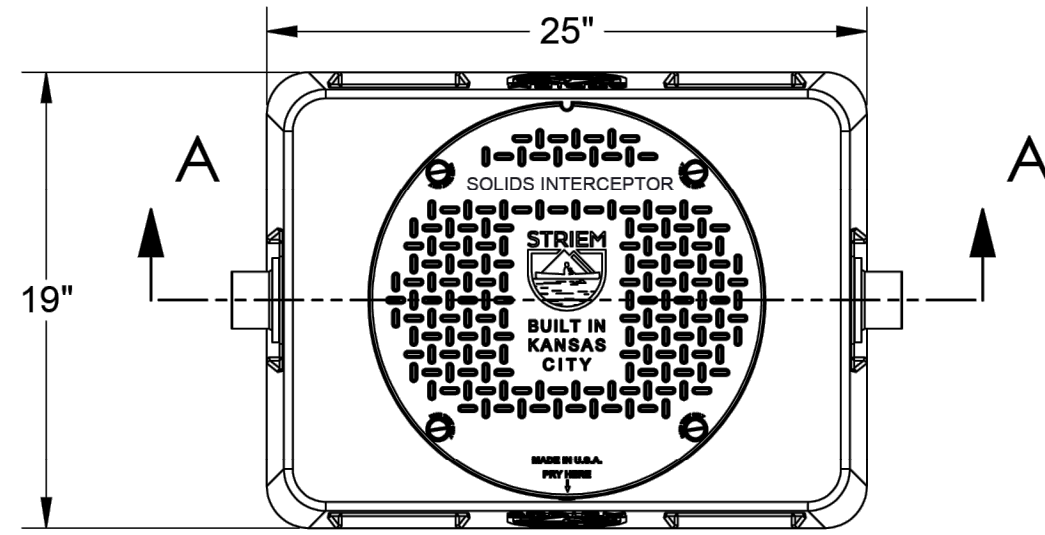
THIS PLAN IS APPROVED ONLY FOR THE WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR BE CONSIDERED AS BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES



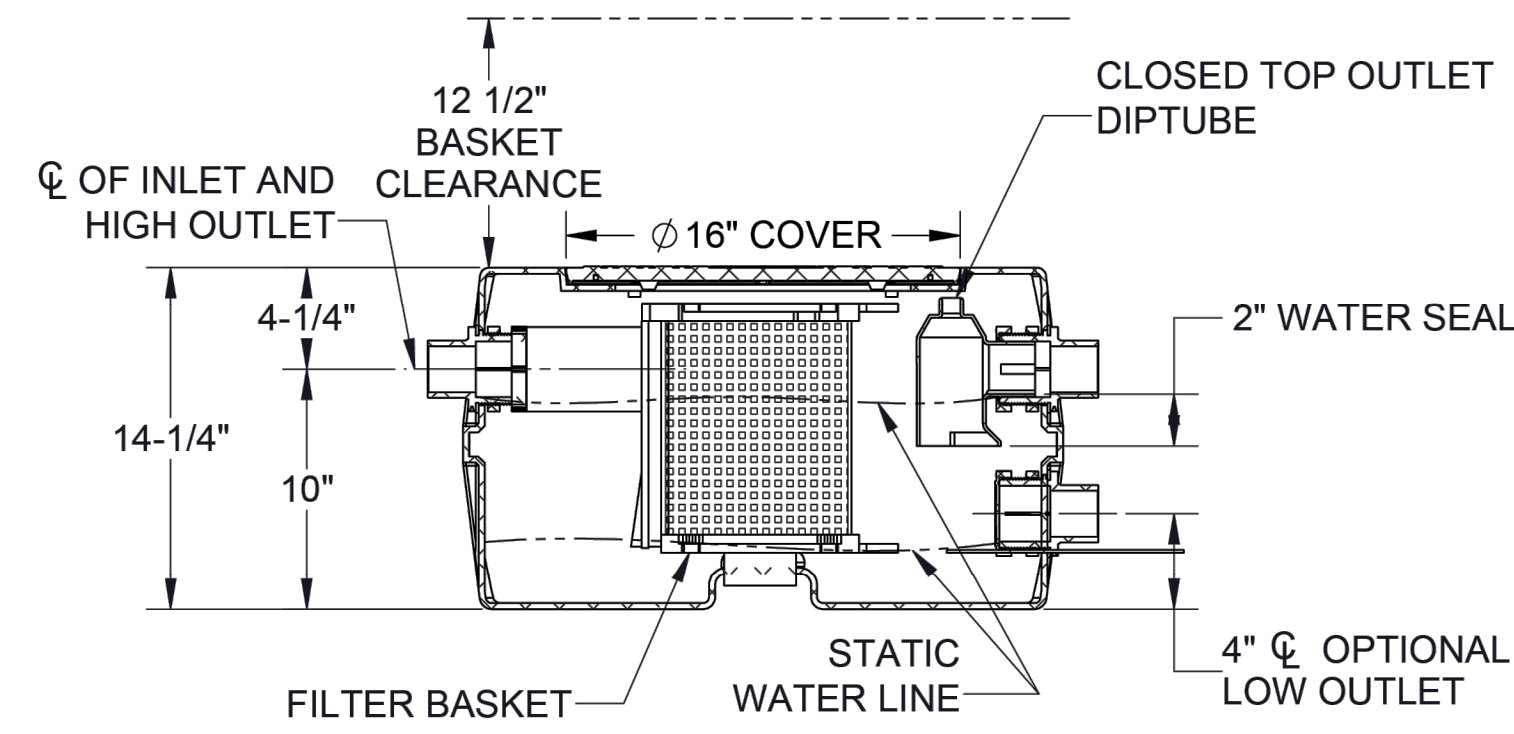
**SPECIFICATION & SUBMITTAL SHEET**  
**MODEL: AA-S**  
**SMALL BASKET-STYLE SOLIDS INTERCEPTOR**

**AARDVARK™ SERIES**

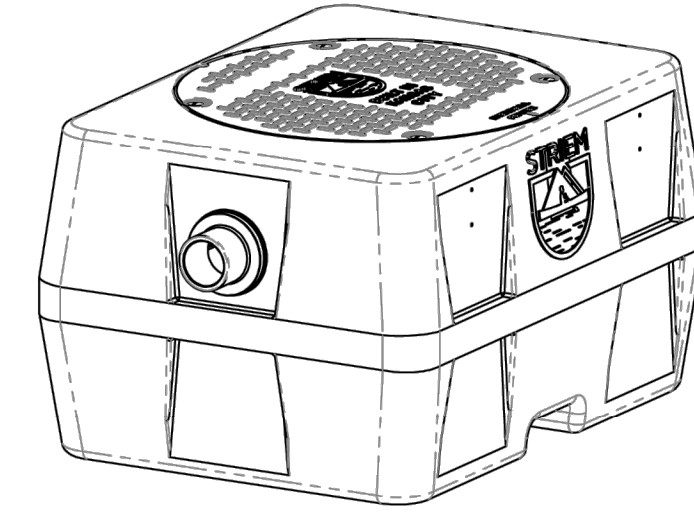
TOP VIEW



SECTION "A-A"



ISOMETRIC VIEW



**OPTIONS**

- 2M - 2" Male Thread Connections
- 3P - 3" Plain End SCH.40 Connections
- 3M - 3" Male Thread Connections
- SR16 - 2-1/16"-16" 16 Series Riser
- CC16 - 2-1/16"-16" 16 Series Riser with Integral Membrane Clamping Collar Kit

RISER ORDER GUIDE	
DESIRED DEPTH	REQUIRED RISER
> 2-1/8" - 16"	(1) SR - 16

**STANDARD SPECS**

**CONNECTIONS:** 2" SCH. 40 Plain End Connections  
**LIQUID CAPACITY:** With high outlet: 16 gal.  
 With low outlet: 4 gal.  
**SOLIDS CAPACITY:** 2 gal.  
**FLOW RATE:** 35 gpm.  
**WEIGHT:** 42 lbs.  
**INSTALLATION:** Above or below grade.  
**SEWER GAS TRAP:** 2".  
**COVER LOAD CAPACITY:** 450 lbs., or 2,500 lbs.  
 When unit buried directly with SR-16 riser.  
**MAXIMUM CONTINUOUS OPERATING TEMPERATURE:** 140°.  
**WALL THICKNESS:** 3/8".  
**TANK MATERIAL:** Polyethylene.  
**SCREEN PERFORATIONS:** 0.125" Diameter.

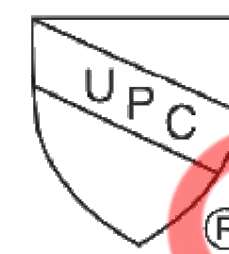
**INNOVATIONS**

- 1 **Removable basket interlocks with inlet:** prevents solids from escaping basket.
- 2 **UNI-FIT™:** basket inserts in one orientation.
- 3 **All-perforated basket:** basket perforations are more than 17 times inlet opening, creating easy flow in the presence of solids, and limiting the chance for a backup.
- 4 **Optional low outlet:** if used, it allows for a temporary water surge (acts as a reservoir), as well as keeps basket dry during maintenance.
- 5 **Movable trap:** sewer gas trap can be field-installed on high or low outlet.

**ENGINEER SPECIFICATION GUIDE**

Striem Aardvark™ solids interceptor model AA-S shall be lifetime guaranteed and made in the USA. Tank material shall be polyethylene. Interceptor shall have removable, corrosion-resistant filter basket. Interceptor shall be equipped with high and low outlet options, with a movable sewer gas trap to be located on either outlet. Interceptor shall be furnished for above- or below-grade installation. Cover shall be water and gas tight with a minimum 450 lbs load capacity, or 2,500 lbs capacity when buried with a riser. Interceptor shall be certified to IAPMO IGC 167-2011ae2.

Signature of Approval: \_\_\_\_\_ Specifying Engineer: \_\_\_\_\_  
 Company: \_\_\_\_\_ Engineering Firm: \_\_\_\_\_  
 Date of Approval: \_\_\_\_\_



3100 Brinkerhoff  
 Kansas City, KS 66115  
 PH 913-222-1500  
 FX 913-291-0457  
 STRIEMCO.COM



MADE IN THE U.S.A.  
 LIFETIME GUARANTEED

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DATE: 02/24/2020 DWG BY: MJ

NO.	DATE	ISSUE DESCRIPTION
3	12.12.2024	BD COMMENTS
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1	07.10.2024	REVIEW SET

**NY ENGINEERS**  
 NEARBY ENGINEERS  
 382 NE 191ST STREET SUITE  
 49674, MIAMI, FL 33179  
 PH-914.257.3455  
 WWW.NY-ENGINEERS.COM

KEY PLAN

PROJECT NAME

PHYSICAL LOCATION

DRAWING TITLE

**PLUMBING DETAILS - 2**



SEAL	PROJECT NO.
	SCALE AS NOTED
	DRAWN BY NYE
	CHECKED BY NYE
	DATE 07/10/2024
	SHEET NUMBER
	<b>P-4</b>

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**NOTES**

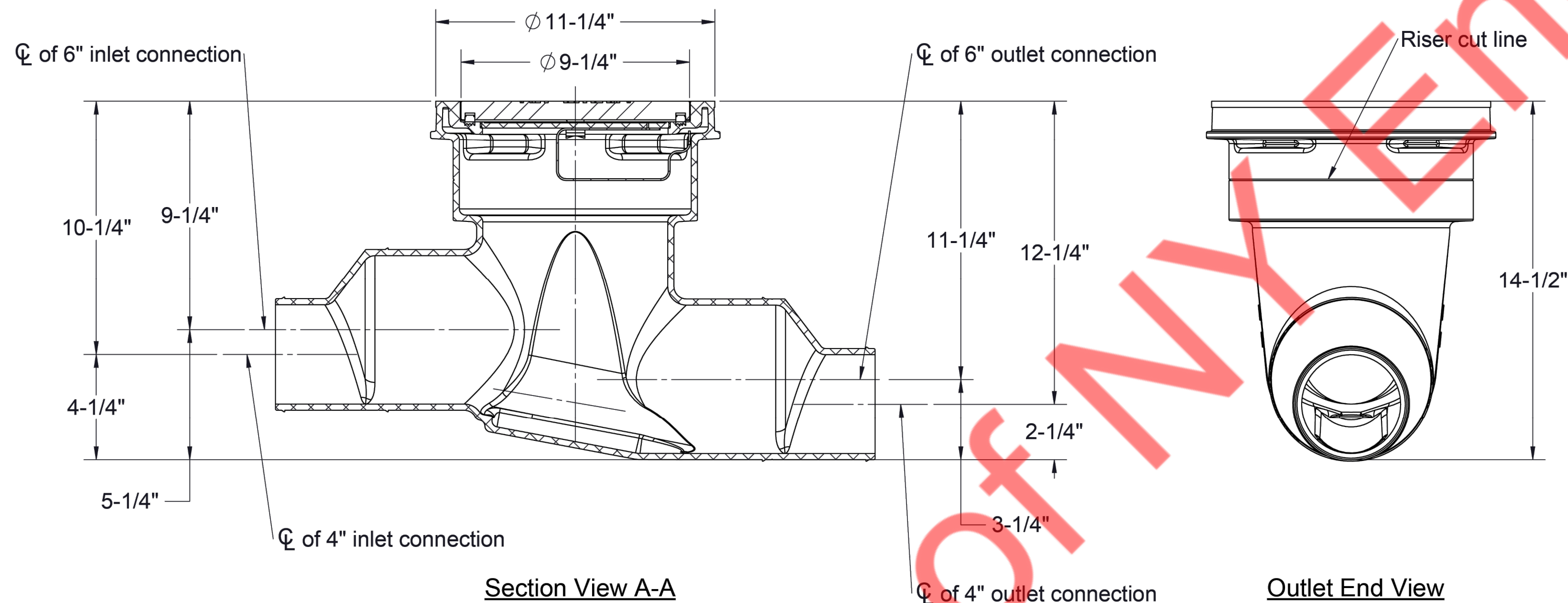
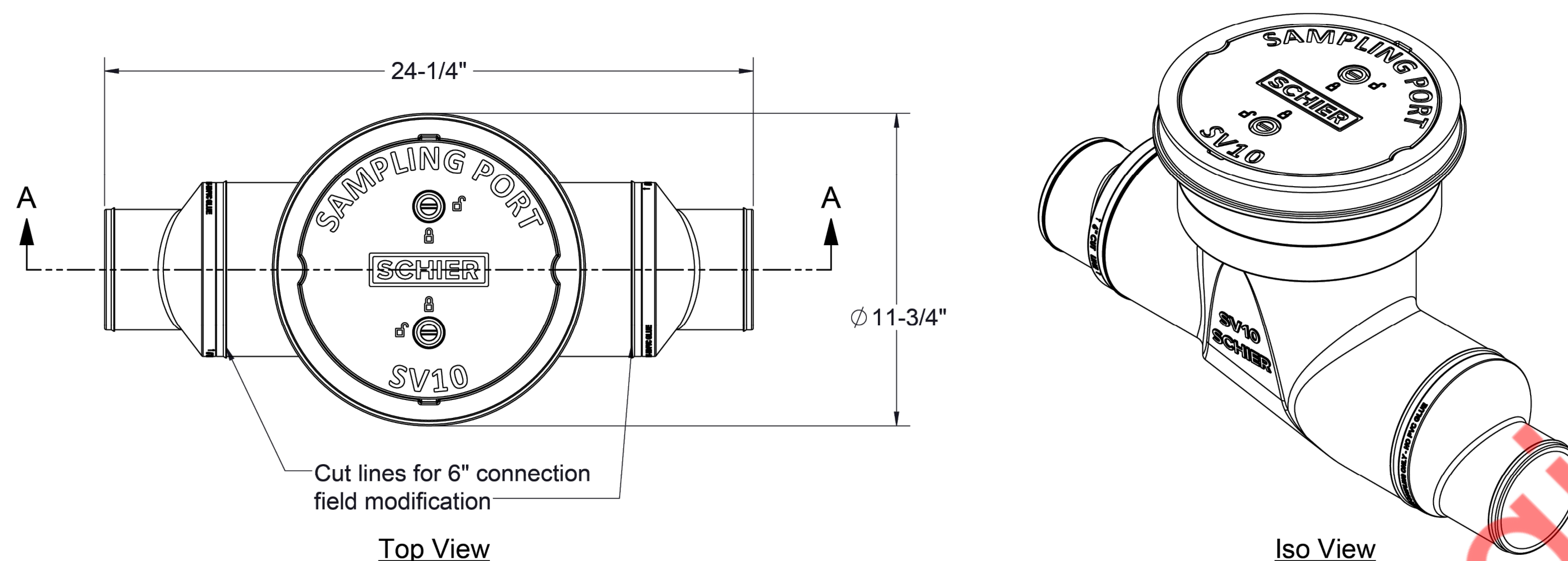
- 1. 4" plain end inlet/outlet
- 2. Field modifiable to 6" plain end inlet/outlet
- 3. Unit weight - 9 lbs.
- 4. Maximum operating temperature: 150° F continuous
- 5. Offset connections
- 6. 2 rolls of 33" x 2" butyl mastic tape provided for sealing build-your-own riser joints

**ENGINEER SPECIFICATION GUIDE**

Schier Sewer Viewer™ sampling port model # SV10 shall be lifetime guaranteed and made in USA of seamless, rotationally-molded polyethylene. Sampling port shall be furnished for above or below grade installation. Cover shall provide water/gas-tight seal and have minimum 16,000 lbs. load capacity.

**ACCESSORIES:**

- Field Cut Risers for extending cover to grade



**SPECIFICATION SHEET**

MODEL NUMBER:

**SV10**

PROPRIETARY AND CONFIDENTIAL

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PART NUMBER: 8065-001-01

DESCRIPTION:

SV10 SEWER VIEWER SAMPLING PORT, 4" CONNECTIONS (FIELD MODIFIABLE TO 6"), POLYETHYLENE COVER

DWG BY: B.BROWN    DATE: 6/6/2022    REV: -    ECO: -



**SCHIER**

6455 Woodland Dr  
 Shawnee, KS 66218  
 Tel: 913-951-3300  
 Fax: 913-951-3399  
 schierproducts.com

NO.	DATE	ISSUE DESCRIPTION
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1	07.10.2024	REVIEW SET

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KEY PLAN

PROJECT NAME

PHYSICAL LOCATION

DRAWING TITLE

**PLUMBING DETAILS - 3**



SEAL	PROJECT NO.
SCALE	AS NOTED
DRAWN BY	NYE
CHECKED BY	NYE
DATE	07/10/2024
SHEET NUMBER	<b>P-5</b>

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