SECTION 22 13 23

SANITARY WASTE INTERCEPTORS

Display hidden notes to specifier. (Don't know how? [Click Here](https://www.arcat.com/sd/display_hidden_notes.shtml))

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\*\* NOTE TO SPECIFIER \*\* MIFAB, Inc.; roof and scupper drain grates.
This section is based on the products of MIFAB, Inc., which is located at:1321 W. 119th St.Chicago, IL 60643Toll Free Tel: 800-465-2736Tel: 773-341-3030Fax: 773-341-3047 Email: [request info (sales@mifab.com )](https://arcat.com/rfi?action=email&company=MIFAB%252C%252BInc.&message=RE%253A%2520Spec%2520Question%2520(15151mfb)%253A%2520&coid=38108&spec=15151mfb&rep=&fax=773-341-3047%2520)
Web: <https://mifab.com>
 [ [Click Here](https://arcat.com/company/mifab-inc-38108) ] for additional information.
Manufacturer of Commercial and Industrial Plumbing and Drainage Products
Servingall the USA, Canada, Australia, and the Middle East, MIFAB can provide you with the quality, engineered plumbing and drainage solutions you need. Innovative product designs save the installer time and material cost and provides the owner with higher quality cast stainless steel drains and cleanouts for the same cost as the industry standard nickel bronze.

1. GENERAL
	1. SECTION INCLUDES

\*\* NOTE TO SPECIFIER \*\* Delete items below not required for project.

* + 1. Waste Interceptors; grease, oil, sediment, and solids.
		2. Sample ports.
		3. Sensors and alarms.
	1. RELATED SECTIONS

\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.

* + 1. Section 22 05 00 - Common Work Results for Plumbing.
		2. Section 22 05 23 - Plumbing Piping.
	1. SUBMITTALS
		1. Submit under provisions of Section 01 30 00.
		2. Product Data:
			1. Manufacturer's data sheets on each product to be used.
			2. Preparation instructions and recommendations.
			3. Storage and handling requirements and recommendations.
			4. Typical installation methods.

\*\* NOTE TO SPECIFIER \*\* Delete if not applicable to product type.

* + 1. Verification Samples: Two representative units of each type, size, pattern, and color.
		2. Shop Drawings: Include details of materials, construction, and finish. Include relationship with adjacent construction.
	1. QUALITY ASSURANCE
		1. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with a minimum five years documented experience.
		2. Installer Qualifications: Company specializing in performing Work of this section with minimum two years documented experience with projects of similar scope and complexity.
		3. Source Limitations: Provide each type of product from a single manufacturing source to ensure uniformity.

\*\* NOTE TO SPECIFIER \*\* Include mock-up if the project size or quality warrant the expense. The following is one example of how a mock-up on might be specified. When deciding on the extent of the mock-up, consider all the major different types of work on the project.

* + 1. Mock-Up: Construct a mock-up with actual materials in sufficient time for Architect's review and to not delay construction progress. Locate mock-up as acceptable to Architect and provide temporary foundations and support.
			1. Intent of mock-up is to demonstrate quality of workmanship and visual appearance.
			2. If mock-up is not acceptable, rebuild mock-up until satisfactory results are achieved.
			3. Retain mock-up during construction as a standard for comparison with completed work.
			4. Do not alter or remove mock-up until work is completed or removal is authorized.
	1. PRE-INSTALLATION CONFERENCE
		1. Convene a conference approximately two weeks before scheduled commencement of the Work. Attendees shall include Architect, Contractor and trades involved. Agenda shall include schedule, responsibilities, critical path items and approvals.
	2. DELIVERY, STORAGE, AND HANDLING
		1. Store and handle in strict compliance with manufacturer's written instructions and recommendations.
		2. Protect from damage due to weather, excessive temperature, and construction operations.
	3. PROJECT CONDITIONS
		1. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.
	4. WARRANTY
		1. Manufacturer's standard limited warranty unless indicated otherwise.
1. PRODUCTS
	1. MANUFACTURERS
		1. Acceptable Manufacturer: MIFAB, Inc., which is located at:1321 W. 119th St.Chicago, IL 60643Toll Free Tel: 800-465-2736Tel: 773-341-3030Fax: 773-341-3047 Email: [request info (sales@mifab.com )](https://arcat.com/rfi?action=email&company=MIFAB%252C%252BInc.&message=RE%253A%2520Spec%2520Question%2520(15151mfb)%253A%2520&coid=38108&spec=15151mfb&rep=&fax=773-341-3047%2520);Web: <https://mifab.com>

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs: coordinate with requirements of Division 1 section on product options and substitutions.

* + 1. Substitutions: Not permitted.
		2. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required, or delete products not required.

* 1. GREASE INTERCEPTORS
		1. Product: BIG MAX HDPE Rotational Molded Grease Interceptor: Used in restaurants, kitchens, food processing, and packaging plants where fat, oil, and grease (FOG) drains with wastewater. Installs on or into floor. Narrow width permits doorway and stairwell access. Requires regular maintenance for proper function.
			1. Deep seal trap covered by lid, internal air relief by-pass, adjustable lid system, stainless steel calibrated orifice plate (internal flow control), sample port access and 4 inch no hub inlet and outlet connections.
			2. Lid: Steel encased composite. Water and gas seal. 20,000 lbs. load capacity.
			3. Flow Rating: \_\_\_\_. Liquid Holding Capacity: \_\_\_\_.
			4. Standards Compliance: AASHTO H20 loading requirements. International Plumbing Code (IPC) / ICC by IAPMO.
			5. Tested and Certified to the Following: PDI Standard PDI-G101 when installed with an external, vented flow control fitting, CSA B481, ASME A112.14.3 and listed with IAPMO.
			6. Temperature: Up to 180 degrees F
			7. LIL MAX HDPE Hydromechanical: Installed on ground, semi recessed or flush with floor. Latch lid permits easy removal for cleaning and maintenance.
			8. Deep seal trap covered by lid, removable baffle assembly, sewer gas stopper, securing latches, internal stainless steel orifice flow control plate, and internal air relief bypass.
			9. Lids: HDPE nonskid, rectangular gasketed lids.
			10. Flow Rating: \_\_\_\_. Liquid Holding Capacity: \_\_\_\_.
			11. Standards Compliance: International Plumbing Code (IPC) / ICC by IAPMO.
			12. Tested and Certified to the Following: PDI. Standard PDI-G101 when installed with an external, vented flow control fitting, CSA B481, ASME A112.14.3 and listed with IAPMO.
			13. Temperature: Up to 180 degrees F
		2. Product: MI-E-G Electronic Grease Interceptor: Used in restaurants, kitchens, food processing, and packaging plants where fat, oil, and grease (FOG) drains with wastewater. External flow control fitting controls rate of flow into interceptor. Installs on the ground, semi recessed or flush with floor. Monitors grease levels. A solid tone alarm, test, and mute switch closes a motorized butterfly valve at the inlet when float switch detects grease level at 75 percent capacity. The accumulated grease must then be removed. Internal perforated sediment bucket removable through the bottom. No hub inlet and outlet for flow through installation
			1. Control box: Weatherproof NEMA 4/4X rated, 120 VAC connection, 360 degree viewable alarm light,
			2. Lid: 10 gauge fabricated steel. Powder epoxy coated. Gasketed. Single bolt design permits easy removal.
			3. Body: Powder epoxy coated interior and exterior. 10 gauge fabricated steel
			4. Sewer gas stopper.
			5. Feet: 1/2 inch high underneath interceptor elevate bottom from the wet ground.
		3. MI-G Hydromechanical Grease Interceptor: Used in restaurants, kitchens, food processing, and packaging plants where fat, oil, and grease (FOG) drains with wastewater. External flow control fitting controls rate of flow into interceptor. Installs on ground, semi recessed or flush with floor. Includes removable baffle assembly and cross bar, deep seal trap covered by lid, sewer gas stopper, securing bolts, external vented flow control fitting, internal air relief bypass.
			1. Flow Rating: \_\_\_\_. Liquid Holding Capacity: \_\_\_\_.
			2. Lid: 10 gauge fabricated steel. Powder epoxy coated. Gasketed. Single bolt design permits easy removal.
			3. Body: Powder epoxy coated interior and exterior. 10 gauge fabricated steel
			4. Feet: 1/2 inch high underneath interceptor elevates bottom from the ground.
			5. Tested and Certified To: PDI G-101 and ASME A112.14.3 and so marked.
		4. Product: MI-G-AD-25 Automatic Recovery Grease Interceptor: Used in restaurants, kitchens, food processing, and packaging plants where fat, oil, and grease (FOG) drains with wastewater. Automatic recovery; self-cleaning requiring minimal maintenance. Intercepts solids with internal sediment bucket and extracts free floating oil and grease from unit automatically into a separate holding compartment.
			1. Deep seal trap with sewer gas stopper, air relief bypass, dual gasketed lid for access to internal sediment bucket, grease, and oil collection container, 24 hour timer with heating element and automatic skimming wheel.
			2. Body: 16 gauge Type 304 stainless steel.
			3. Tested and Certified To: PDI G-101 and ASME A112.14.3
		5. Product: MI-G-BO Bolt On (Fixed) Extension for MI-GO Grease Interceptor: Used in restaurants, kitchens, food processing, and packaging plants where fat, oil, and grease (FOG) drains with wastewater. For installations where height of interceptor needs to be increased to meet the finished floor while leaving inlet and outlet locations the same. Extension mounts between interceptor body and lid. Extra-long lockdown hardware provided with the bolt on extension is used to secure the lid to the cross bar supports.
			1. Extensions: 10 gauge, powder epoxy coated steel.6 or 12 inches high.
			2. Gasket: Sealing urethane gasket and lockdown hardware.
		6. Product: MI-G-L Low Rough-In Hydromechanical Grease Interceptor: Used in restaurants, kitchens, food processing, and packaging plants where fat, oil, and grease (FOG) drains with wastewater. External vented flow control fitting controls flow rate into interceptor. Installs on the ground, semi recessed or flush with floor. Removable baffle assembly and cross bar, securing bolts, internal air relief bypass,
			1. Construction: 10 gauge steel. Acid resistant, powder epoxy coating inside and out.
			2. Lid: nonskid, rectangular gasketed.
			3. Flow Rating: \_\_\_\_. Liquid Holding Capacity: \_\_\_\_.
			4. Feet: 1/2 inch high underneath interceptor elevates bottom from the ground.
			5. Tested and Certified to: ASME Standard A112.14.3 and PDI G-101.
		7. Product: MI-G-L-SDH Low Rough in Hydromechanical Grease Interceptor with Draw Off Hose: Used in restaurants, kitchens, food processing, and packaging plants where fat, oil, and grease (FOG) drains with wastewater. Semi-automatic draw-off valve and hose permits removal of FOG without cover removal. External flow control fitting controls flow rate into interceptor. Installed on the ground, semi recessed or flush with floor. Removable baffle assembly and cross bar, securing bolts, internal air relief bypass, internal deep seal trap covered by lid, internal steel cone, flexible draw off hose and cap, hose clamp, line shut off valve and sewer gas stopper.
			1. Construction: 10 gauge steel. Acid resistant, powder epoxy coating inside and out.
			2. Lid: nonskid, rectangular gasketed.
			3. Flow Rating: \_\_\_\_. Liquid Holding Capacity: \_\_\_\_.
			4. Feet: 1/2 inch high underneath interceptor elevates bottom from the ground.
			5. Tested and Certified to: ASME Standard A112.14.3 and PDI G-101.
		8. Product: MI-G-SD Semi-Automatic Grease Interceptor with Draw Off Valve: Used in restaurants, kitchens, food processing, and packaging plants where fat, oil, and grease (FOG) drains with wastewater. Permits removal of FOG without cover removal. External flow control fitting controls rate of flow into interceptor. Installs on the ground, semi recessed or flush with floor. Removable baffle assembly and cross bar, deep seal trap covered by lid, sewer gas stopper, securing bolts, internal air relief bypass, and internal grease retention tray adjacent to grease draw-off valve.
			1. Construction: 10 gauge steel. Acid resistant, powder epoxy coating inside and out.
			2. Lid: nonskid, rectangular gasketed.
			3. Flow Rating: \_\_\_\_. Liquid Holding Capacity: \_\_\_\_.
			4. Feet: 1/2 inch high underneath interceptor elevates bottom from the ground.
		9. Product: MI-G-SDH Semi-Automatic Grease Interceptor with Draw Off Hose: Used in restaurants, kitchens, food processing, and packaging plants where fat, oil, and grease (FOG) drains with wastewater. Permits removal of accumulated FOG without cover removal. External vented flow control fitting controls rate of flow into interceptor. Installs on the ground, semi recessed or flush with floor. Removable baffle assembly and cross bar, internal deep seal trap covered by lid, sewer gas stopper, securing bolts, internal air relief bypass, internal steel cone, flexible draw off hose and cap, hose clamp, and line shut off valve.
			1. Construction: 10 gauge steel. Acid resistant, powder epoxy coating inside and out.
			2. Lid: nonskid, rectangular gasketed.
			3. Flow Rating: \_\_\_\_. Liquid Holding Capacity: \_\_\_\_.
			4. Feet: 1/2 inch high underneath interceptor elevates bottom from the ground.
		10. Product: MI-G-SS Stainless Steel Hydromechanical Grease Interceptor: Used in restaurants, kitchens, food processing, and packaging plants where fat, oil, and grease (FOG) drains with wastewater. For installations exposed to salt water, or corrosive cleaning agents. External vented flow control fitting controls rate of flow into interceptor. Installs on ground, semi recessed or flush with floor. Removable baffle assembly and cross bar, deep seal trap covered by lid, sewer gas stopper, securing bolts, and internal air relief bypass.
			1. Construction: Type 304, 14 gauge stainless steel body.
			2. Lid: nonskid, gasketed, acid resistant, powder epoxy coated, single bolt.
			3. Flow Rating: \_\_\_\_. Liquid Holding Capacity: \_\_\_\_.
			4. Feet: 1/2 inch high underneath interceptor elevates bottom from the ground.
			5. Tested and Certified To: PDI-G101 and ASME A112.14.3 and so marked.
		11. Product: SUPER-1000 SUPER MAX Grease Interceptor: Used in restaurants, kitchens, food processing, and packaging plants where fat, oil, and grease (FOG) drains with wastewater.

\*\* NOTE TO SPECIFIER \*\* Delete the gravity or hydromechanical interceptor, whichever is not required.

* + - 1. Gravity Interceptors: Above or below ground installation. Includes extension pipe gasket for ADS 24N12, pipe not included, for adjustable lid system, sample port access, internal baffle, deep seal trap covered by lid, internal air relief bypass, base for support and floor level installation, and 4 inch no hub inlet and outlet connections.
				1. Tested and Certified to ANSI Z1001.
				2. Listed with IAPMO for indoor/outdoor use.
				3. The high density polyethylene material is PE 3135 from Dow 9.39 with a density of 0.939 grams per cu cm.
				4. Operating Temperature : Up to and including 180 degrees F.
				5. Holding Capacity: 1000 US gallons. Load Capacity: 20,000 lbs accordance with loading requirements of AASHTO H20.
				6. Construction: Seamless, rotationally molded High Density Polyethylene with 3/8 inch uniform wall thickness.
				7. Lid: Steel encased composite provides a water and gas tight seal.
			2. Hydromechanical Interceptors: Above or below ground installation. Includes extension pipe gasket for ADS 24N12, pipe not included, for adjustable lid system, sample port access, internal baffle, deep seal trap covered by lid, internal air relief bypass, stainless steel calibrated orifice plate for internal flow control, base for support and floor level installation, and 4 inch no hub inlet and outlet connections.
				1. Tested and certified to ASME A112.14.3, CSA B481. Listed with IAPMO.
				2. Listed with IAPMO for indoor/outdoor use.
				3. The high density polyethylene material is PE 3135 from Dow 9.39 with a density of 0.939 grams per cu cm.
				4. Operating Temperature : Up to and including 180 degrees F.
				5. Holding Capacity: 1000 US gallons. Load Capacity: 20,000 lbs accordance with loading requirements of AASHTO H20.
				6. Construction: Seamless, rotationally molded High Density Polyethylene with 3/8 inch uniform wall thickness.
				7. Lid: Steel encased composite provides a water and gas tight seal.
		1. Product: SUPER-1250 SUPER MAX Grease Interceptor: Used in restaurants, kitchens, food processing, and packaging plants where fat, oil, and grease (FOG) drains with wastewater.

\*\* NOTE TO SPECIFIER \*\* Delete the gravity or hydromechanical interceptor, whichever is not required.

* + - 1. Gravity Interceptors: Above or below ground installation. Gasket for extension pipe ADS 24N12, pipe not included, for adjustable lid system. Sample port access, internal baffle, deep seal trap covered by lid, internal air relief bypass, base for support and floor level installation, and 4 inch no hub inlet and outlet connections.
				1. Capacity: 1250 US liquid gallons.
				2. Load Capacity: 20,000 lbs per AASHTO H20.
				3. Tested and certified to ANSI Z1001. Listed: IAPMO for indoor and outdoor use.
				4. Operating Temperature: Up to and including 180 degrees F.
				5. Seamless, rotary molded High Density Polyethylene; 3/8 inch uniform wall thickness; PE 3135 from Dow 9.39 with density of 0.939 g/cm3.
				6. Lids: Steel encased composite providing a water and gas tight seal.
			2. Hydromechanical Interceptors: Above or below ground use. Gasket for extension pipe ADS 24N12, pipe not included, for adjustable lid system. Sample port access, internal baffle, deep seal trap covered by lid, internal air relief bypass, stainless steel calibrated orifice plate for internal flow control, and base for support and floor level installation and 4 inch no hub inlet and outlet connections.
				1. Capacity: 1250 US liquid gallons.
				2. Load Capacity: 20,000 lbs per AASHTO H20.
				3. Tested and Certified To: ANSI Z1001. Listed: IAPMO for indoor and outdoor use.
				4. Operating Temperature: Up to and including 180 degrees F.
				5. Seamless, rotary molded High Density Polyethylene; 3/8 inch uniform wall thickness; PE 3135 from Dow 9.39 with density of 0.939 g/cm3.
				6. Lids: Steel encased composite providing a water and gas tight seal.
		1. Product: SUPER-1300 SUPER MAX HDPE Grease Interceptor: Used in restaurants, kitchens, food processing, and packaging plants where fat, oil, and grease (FOG) drains with wastewater.

\*\* NOTE TO SPECIFIER \*\* Delete the gravity or hydromechanical interceptor, whichever is not required.

* + - 1. Gravity Interceptors: Above or below ground use. Gasket for extension pipe ADS 24N12, pipe not included, for adjustable lid system. Sample port access, internal baffle, deep seal trap covered by lid, internal air relief bypass, and base for support and floor level installation and 4 inch no hub inlet and outlet connections.
				1. Capacity: 1300 US liquid gallons.
				2. Load Capacity: 20,000 lbs per AASHTO H20.
				3. Tested and Certified To: ANSI Z1001. Listed: IAPMO for indoor and outdoor use.
				4. Operating Temperature: Up to and including 180 degrees F.
				5. Seamless, rotary molded High Density Polyethylene; 3/8 inch uniform wall thickness; PE 3135 from Dow 9.39 with density of 0.939 g/cm3.
				6. Lids: Steel encased composite providing a water and gas tight seal.
			2. Hydromechanical Interceptors: Above or below ground use. Gasket for extension pipe ADS 24N12, pipe not included, for adjustable lid system. Sample port access, internal baffle, deep seal trap covered by lid, internal air relief bypass, stainless steel calibrated orifice plate for internal flow control, and base for support and floor level installation and 4 inch no hub inlet and outlet connections.
				1. Capacity: 1300 US liquid gallons.
				2. Load Capacity: 20,000 lbs per AASHTO H20.
				3. Tested and Certified To: ANSI Z1001. Listed: IAPMO for indoor and outdoor use.
				4. Operating Temperature: Up to and including 180 degrees F.
				5. Seamless, rotary molded High Density Polyethylene; 3/8 inch uniform wall thickness; PE 3135 from Dow 9.39 with density of 0.939 g/cm3.
				6. Lids: Steel encased composite providing a water and gas tight seal.
		1. Product: SUPER-1500 SUPER MAX HDPE Grease Interceptor: Used in restaurants, kitchens, food processing, and packaging plants where fat, oil, and grease (FOG) drains with wastewater.

\*\* NOTE TO SPECIFIER \*\* Delete the gravity or hydromechanical interceptor, whichever is not required.

* + - 1. Gravity Interceptors: Above or below ground use. Gasket for extension pipe ADS 24N12, pipe not included, for adjustable lid system. Sample port access, internal baffle, deep seal trap covered by lid, internal air relief bypass, and base for support and floor level installation and 4 inch no hub inlet and outlet connections.
				1. Capacity: 1500 US liquid gallons.
				2. Load Capacity: 20,000 lbs per AASHTO H20.
				3. Tested and Certified To: ANSI Z1001. Listed: IAPMO for indoor and outdoor use.
				4. Operating Temperature: Up to and including 180 degrees F.
				5. Seamless, rotary molded High Density Polyethylene; 3/8 inch uniform wall thickness; PE 3135 from Dow 9.39 with density of 0.939 g/cm3.
				6. Lids: Steel encased composite providing a water and gas tight seal.
			2. Hydromechanical Interceptors: Above or below ground use. Gasket for extension pipe ADS 24N12, pipe not included, for adjustable lid system. Sample port access, internal baffle, deep seal trap covered by lid, internal air relief bypass, stainless steel calibrated orifice plate for internal flow control, and base for support and floor level installation and 4 inch no hub inlet and outlet connections.
				1. Capacity: 1500 US liquid gallons.
				2. Load Capacity: 20,000 lbs per AASHTO H20.
				3. Tested and Certified To: ANSI Z1001. Listed: IAPMO for indoor and outdoor use.
				4. Operating Temperature: Up to and including 180 degrees F.
				5. Seamless, rotary molded High Density Polyethylene; 3/8 inch uniform wall thickness; PE 3135 from Dow 9.39 with density of 0.939 g/cm3.
				6. Lids: Steel encased composite providing a water and gas tight seal.
		1. Product: SUPER-2000 SUPER MAX HDPE Grease Interceptor: Used in restaurants, kitchens, food processing, and packaging plants where fat, oil, and grease (FOG) drains with wastewater.

\*\* NOTE TO SPECIFIER \*\* Delete the gravity or hydromechanical interceptor, whichever is not required.

* + - 1. Gravity Interceptors: Above or below ground use. Gasket for extension pipe ADS 24N12, pipe not included, for adjustable lid system. Sample port access, internal baffle, deep seal trap covered by lid, internal air relief bypass, and base for support and floor level installation and 4 inch no hub inlet and outlet connections.
				1. Capacity: 2000 US liquid gallons.
				2. Load Capacity: 20,000 lbs per AASHTO H20.
				3. Tested and Certified To: ANSI Z1001. Listed: IAPMO for indoor and outdoor use.
				4. Operating Temperature: Up to and including 180 degrees F.
				5. Seamless, rotary molded High Density Polyethylene; 3/8 inch uniform wall thickness; PE 3135 from Dow 9.39 with density of 0.939 g/cm3.
				6. Lids: Steel encased composite providing a water and gas tight seal.
			2. Hydromechanical Interceptors: Above or below ground use. Gasket for extension pipe ADS 24N12, pipe not included, for adjustable lid system. Sample port access, internal baffle, deep seal trap covered by lid, internal air relief bypass, stainless steel calibrated orifice plate for internal flow control, and base for support and floor level installation and 4 inch no hub inlet and outlet connections.
				1. Capacity: 2000 US liquid gallons.
				2. Load Capacity: 20,000 lbs per AASHTO H20.
				3. Tested and Certified To: ANSI Z1001. Listed: IAPMO for indoor and outdoor use.
				4. Operating Temperature: Up to and including 180 degrees F.
				5. Seamless, rotary molded High Density Polyethylene; 3/8 inch uniform wall thickness; PE 3135 from Dow 9.39 with density of 0.939 g/cm3.
				6. Lids: Steel encased composite providing a water and gas tight seal.
		1. Product: SUPER-500 SUPER MAX Grease Interceptor: Used in restaurants, kitchens, food processing, and packaging plants where fat, oil, and grease (FOG) drains with wastewater.

\*\* NOTE TO SPECIFIER \*\* Delete the gravity or hydromechanical interceptor, whichever is not required.

* + - 1. Gravity Interceptors: Above or below ground use. Gasket for extension pipe ADS 24N12, pipe not included, for adjustable lid system. Sample port access, internal baffle, deep seal trap covered by lid, internal air relief bypass, and base for support and floor level installation and 4 inch no hub inlet and outlet connections.
				1. Capacity: 500 US liquid gallons.
				2. Load Capacity: 20,000 lbs per AASHTO H20.
				3. Tested and Certified To: ANSI Z1001. Listed: IAPMO for indoor and outdoor use.
				4. Operating Temperature: Up to and including 180 degrees F.
				5. Seamless, rotary molded High Density Polyethylene; 3/8 inch uniform wall thickness; PE 3135 from Dow 9.39 with density of 0.939 g/cm3.
				6. Lids: Steel encased composite providing a water and gas tight seal.
			2. Hydromechanical Interceptors: Above or below ground use. Gasket for extension pipe ADS 24N12, pipe not included, for adjustable lid system. Sample port access, internal baffle, deep seal trap covered by lid, internal air relief bypass, stainless steel calibrated orifice plate for internal flow control, and base for support and floor level installation and 4 inch no hub inlet and outlet connections.
				1. Capacity: 500 US liquid gallons.
				2. Load Capacity: 20,000 lbs per AASHTO H20.
				3. Tested and Certified To: ANSI Z1001. Listed: IAPMO for indoor and outdoor use.
				4. Operating Temperature: Up to and including 180 degrees F.
				5. Seamless, rotary molded High Density Polyethylene; 3/8 inch uniform wall thickness; PE 3135 from Dow 9.39 with density of 0.939 g/cm3.
				6. Lids: Steel encased composite providing a water and gas tight seal.
		1. Product: SUPER-750 SUPER MAX Grease Interceptor: Used in restaurants, kitchens, food processing, and packaging plants where fat, oil, and grease (FOG) drains with wastewater.

\*\* NOTE TO SPECIFIER \*\* Delete the gravity or hydromechanical interceptor, whichever is not required.

* + - 1. Gravity Interceptors: Above or below ground use. Gasket for extension pipe ADS 24N12, pipe not included, for adjustable lid system. Sample port access, internal baffle, deep seal trap covered by lid, internal air relief bypass, and base for support and floor level installation and 4 inch no hub inlet and outlet connections.
				1. Capacity: 750 US liquid gallons.
				2. Load Capacity: 20,000 lbs per AASHTO H20.
				3. Tested and Certified To: ANSI Z1001. Listed: IAPMO for indoor and outdoor use.
				4. Operating Temperature: Up to and including 180 degrees F.
				5. Seamless, rotary molded High Density Polyethylene; 3/8 inch uniform wall thickness; PE 3135 from Dow 9.39 with density of 0.939 g/cm3.
				6. Lids: Steel encased composite providing a water and gas tight seal.
			2. Hydromechanical Interceptors: Above or below ground use. Gasket for extension pipe ADS 24N12, pipe not included, for adjustable lid system. Sample port access, internal baffle, deep seal trap covered by lid, internal air relief bypass, stainless steel calibrated orifice plate for internal flow control, and base for support and floor level installation and 4 inch no hub inlet and outlet connections.
				1. Capacity: 750 US liquid gallons.
				2. Load Capacity: 20,000 lbs per AASHTO H20.
				3. Tested and Certified To: ANSI Z1001. Listed: IAPMO for indoor and outdoor use.
				4. Operating Temperature: Up to and including 180 degrees F.
				5. Seamless, rotary molded High Density Polyethylene; 3/8 inch uniform wall thickness; PE 3135 from Dow 9.39 with density of 0.939 g/cm3.
				6. Lids: Steel encased composite providing a water and gas tight seal.
		1. Product: XL-MI-G Large Capacity Hydromechanical Grease Interceptor: Used in restaurants, kitchens, food processing, and packaging plants where fat, oil, and grease (FOG) drains with wastewater. Installs on the ground, semi recessed or flush with floor. Removable baffle assembly and cross bar, deep seal trap covered by lid, sewer gas stopper, securing bolts, stainless steel calibrated orifice plate, internal air relief bypass.
			1. Construction: 10 gauge steel. Acid resistant, powder epoxy coating inside and out.
			2. Lid: nonskid, rectangular gasketed.
			3. Flow Rating: \_\_\_\_. Liquid Holding Capacity: \_\_\_\_ gallons.
			4. Hair/Lint/Other Interceptors
		2. Product: MI-HEL Helicopter Port Fuel Spill Interceptor: For use where there is a potential for aircraft fuel leaks entering storm sewer system (such as a rooftop helipad) where regular roof drains are connected to a municipal storm sewer system.
			1. Construction: High-strength 1/4 inch steel ASTM A242 plate coated with two-part epoxy interior and exterior. Channel support rails and body corner lifting lugs. Gasketed access covers fastened with stainless steel bolts. 2 inch drain plugs. External sight glass water level indicator with drain cocks. Outlet vent connection, internal vent connection, 2 inch fuel drain connection, and 1 inch fresh water supply connection with gate valve. Back flow preventer and automatic water level float valve.
			2. MI-LINT Lint Interceptor: Used in commercial laundry facilities. Receives wastewater with lint and sediment through side inlet. Primary straining and removable secondary baffle capture debris and prevent drain line clogging.
			3. Flow rate: \_\_\_.
			4. Material: 10 gauge. Electrostatically applied sanitary powder epoxy coated inside and outside, body and lids. Lids are gasketed and secured with bolts.
			5. Removable primary and secondary straining baffle; 1/2 inch thick with 3/8 inch holes. Removable cross bar, stainless steel calibrated orifice plate.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required, or delete products not required.

* 1. OIL INTERCEPTORS
		1. Product: BIG MAX HDPE Oil Interceptor: Used in parking garages, service stations, and areas receiving wastewater containing oil and sediment. Deep seal trap covered by lid. Interceptor collects oil before it is drained to an adjacent storage tank through an adjustable draw off system. Installs on or into floor. Narrow width permits doorways stairwells access. Regular maintenance is required for proper interceptor function.
			1. Load Capacity: 20,000 lbs per AASHTO H20.
			2. Operating Temperature: Up to and including 180 degrees F.
			3. Flow Rating: \_\_\_\_. Liquid Holding Capacity: \_\_\_\_ gallons.
			4. Stainless steel calibrated orifice plate for internal flow control. Internal air relief bypass. Adjustable oil draw-off assembly, 1-1/2 inch on each side. Double vent connections, 3 inches on each side. Sample port access. 4 inch no hub inlet and outlet connections.
			5. Rotary molded High Density Polyethylene 3/8 inch uniform wall thickness.
			6. Lid: Steel encased composite lid provides a water and gas tight seal.
		2. Product: LIL-O LIL MAX HDPE Oil Interceptor: Used to receive wastewater containing oil and sediment. Collects oil before it is drained to an adjacent storage tank through an adjustable draw off system. Sediment and debris collect inside of the internal sediment bucket. Regular maintenance is required for proper interceptor function. Installs on ground, semi recessed, or flush with floor. Simple latch permits easy removal of lid for maintenance.
			1. Operating Temperature: Up to and including 180 degrees F.
			2. Flow Rating: \_\_\_\_. Liquid Holding Capacity: \_\_\_\_ gallons.
			3. HDPE injection molded oil interceptor and nonskid, rectangular gasketed lids.
			4. Sediment bucket with 1/4 inch holes. Perforated baffle with 3/8 inch holes, 1/2 inch apart near inlet. Deep seal trap covered by lid, sewer gas stopper, stainless steel calibrated orifice plate, internal air relief by-pass, adjustable automatic draw-off assembly, and double vent connection on each side,
		3. Product: MI-O Oil Interceptor: Used in parking garages, service stations, and areas receiving wastewater containing oil and sediment. Collects oil before it drains to adjacent storage tank through an adjustable draw off system. Sediment and debris collects in internal sediment bucket. Regular maintenance required for proper interceptor function. Installs on the ground, semi recessed or flush with floor. Sewer gas stopper.
			1. Flow Rating: \_\_\_\_. Liquid Holding Capacity: \_\_\_\_ gallons.
			2. Construction: 10 gauge steel body and lid. Sanitary powder epoxy coating inside and out and steel powder epoxy coated nonskid rectangular lid.
			3. Sediment bucket with perforated baffle near inlet, deep seal trap covered by lid, sewer gas stopper, securing bolts, removable baffle assembly and cross bar, stainless steel calibrated orifice plate, internal air relief bypass, adjustable automatic draw-off assembly, and double vent connection on each side.
		4. Product: MI-O-HU Oil Interceptor with Integral Oil Storage Tank: Used in parking garages, service stations, and areas receiving wastewater containing oil and sediment. Collects oil before draining to integral holding tank through adjustable draw off system. Sediment and debris collects in internal sediment bucket. Integral holding tank eliminates need for piping between separate oil interceptors and storage tanks. Regular maintenance is required for proper interceptor function. Installs on the ground, semi recessed or flush with floor.
			1. Flow Rating: \_\_\_\_. Liquid Holding Capacity: \_\_\_\_ gallons.
			2. Construction: 10 gauge steel body and lid. Sanitary powder epoxy coating inside and out and steel powder epoxy coated nonskid rectangular lid.
			3. sediment bucket with perforated baffle near inlet, deep seal trap covered by lid, sewer gas stopper, securing bolts, removable baffle assembly and cross bar, stainless steel calibrated orifice plate, internal air relief bypass, adjustable automatic draw-off assembly, double vent connection on each side, and integral holding tank for additional waste oil storage.
		5. Product: SUPER-1000-O SUPER MAX HDPE Gravity Oil Interceptor: For indoor or outdoor use in areas receiving wastewater containing oil and sediment. Collects oil before it is drained to adjacent storage tank through an adjustable draw off system. Installs on or into floor. Regular maintenance is required for proper interceptor function. Extension pipe gasket for ADS 24N12, pipe not included for adjustable lid system, sample port access, internal baffle, deep seal trap covered by lid, internal air relief by-pass, adjustable oil draw-off assembly; 1-1/2 inch IPS on each side, double vent connections; 3 inch IPS on each side, stainless steel calibrated orifice plate for internal flow control, base for support and floor level installation and 4 inch no hub inlet and outlet connections.
			1. Liquid Holding Capacity: 1000 gallons.
			2. Load Capacity: 20,000 lbs per AASHTO H20.
			3. Operating Temperature: Up to and including 180 degrees F.
			4. Seamless, rotary molded High Density Polyethylene; 3/8 inch uniform wall thickness; PE 3135 from Dow 9.39 with density of 0.939 g/cm3.
			5. Lids: Steel encased composite providing a water and gas tight seal.
		6. Product: SUPER-1250-O SUPER MAX HDPE Oil Interceptor: For indoor or outdoor use in areas receiving wastewater containing oil and sediment. Collects oil before it is drained to adjacent storage tank through an adjustable draw off system. Installs on or into floor. Regular maintenance is required for proper interceptor function. Extension pipe gasket for ADS 24N12, pipe not included for adjustable lid system, sample port access, internal baffle, deep seal trap covered by lid, internal air relief by-pass, adjustable oil draw-off assembly; 1-1/2 inch IPS on each side, double vent connections; 3 inch IPS on each side, stainless steel calibrated orifice plate for internal flow control, base for support and floor level installation and 4 inch no hub inlet and outlet connections.
			1. Liquid Holding Capacity: 1250 gallons.
			2. Load Capacity: 20,000 lbs per AASHTO H20.
			3. Operating Temperature: Up to and including 180 degrees F.
			4. Seamless, rotary molded High Density Polyethylene; 3/8 inch uniform wall thickness; PE 3135 from Dow 9.39 with density of 0.939 g/cm3.
			5. Lids: Steel encased composite providing a water and gas tight seal.
		7. Product: SUPER-1300-O SUPER MAX HDPE Oil Interceptor: For indoor or outdoor use in areas receiving wastewater containing oil and sediment. Collects oil before it is drained to adjacent storage tank through an adjustable draw off system. Installs on or into floor. Regular maintenance is required for proper interceptor function. Extension pipe gasket for ADS 24N12, pipe not included for adjustable lid system, sample port access, internal baffle, deep seal trap covered by lid, internal air relief by-pass, adjustable oil draw-off assembly; 1-1/2 inch IPS on each side, double vent connections; 3 inch IPS on each side, stainless steel calibrated orifice plate for internal flow control, base for support and floor level installation and 4 inch no hub inlet and outlet connections.
			1. Liquid Holding Capacity: 1300 gallons.
			2. Load Capacity: 20,000 lbs per AASHTO H20.
			3. Operating Temperature: Up to and including 180 degrees F.
			4. Seamless, rotary molded High Density Polyethylene; 3/8 inch uniform wall thickness; PE 3135 from Dow 9.39 with density of 0.939 g/cm3.
			5. Lids: Steel encased composite providing a water and gas tight seal.
		8. Product: SUPER-1500-O SUPER MAX HDPE Oil Interceptor: For indoor or outdoor use in areas receiving wastewater containing oil and sediment. Collects oil before it is drained to adjacent storage tank through an adjustable draw off system. Installs on or into floor. Regular maintenance is required for proper interceptor function. Extension pipe gasket for ADS 24N12, pipe not included for adjustable lid system, sample port access, internal baffle, deep seal trap covered by lid, internal air relief by-pass, adjustable oil draw-off assembly; 1-1/2 inch IPS on each side, double vent connections; 3 inch IPS on each side, stainless steel calibrated orifice plate for internal flow control, base for support and floor level installation and 4 inch no hub inlet and outlet connections.
			1. Liquid Holding Capacity: 1500 gallons.
			2. Load Capacity: 20,000 lbs per AASHTO H20.
			3. Operating Temperature: Up to and including 180 degrees F.
			4. Seamless, rotary molded High Density Polyethylene; 3/8 inch uniform wall thickness; PE 3135 from Dow 9.39 with density of 0.939 g/cm3.
			5. Lids: Steel encased composite providing a water and gas tight seal.
		9. Product: SUPER-2000-O SUPER MAX HDPE Oil Interceptor: For indoor or outdoor use in areas receiving wastewater containing oil and sediment. Collects oil before it is drained to adjacent storage tank through an adjustable draw off system. Installs on or into floor. Regular maintenance is required for proper interceptor function. Extension pipe gasket for ADS 24N12, pipe not included for adjustable lid system, sample port access, internal baffle, deep seal trap covered by lid, internal air relief by-pass, adjustable oil draw-off assembly; 1-1/2 inch IPS on each side, double vent connections; 3 inch IPS on each side, stainless steel calibrated orifice plate for internal flow control, base for support and floor level installation and 4 inch no hub inlet and outlet connections.
			1. Liquid Holding Capacity: 2000 gallons.
			2. Load Capacity: 20,000 lbs per AASHTO H20.
			3. Operating Temperature: Up to and including 180 degrees F.
			4. Seamless, rotary molded High Density Polyethylene; 3/8 inch uniform wall thickness; PE 3135 from Dow 9.39 with density of 0.939 g/cm3.
			5. Lids: Steel encased composite providing a water and gas tight seal.
		10. Product: SUPER-500-O SUPER MAX HDPE Oil Interceptor: For indoor or outdoor use in areas receiving wastewater containing oil and sediment. Collects oil before it is drained to adjacent storage tank through an adjustable draw off system. Installs on or into floor. Regular maintenance is required for proper interceptor function. Extension pipe gasket for ADS 24N12, pipe not included for adjustable lid system, sample port access, internal baffle, deep seal trap covered by lid, internal air relief by-pass, adjustable oil draw-off assembly; 1-1/2 inch IPS on each side, double vent connections; 3 inch IPS on each side, stainless steel calibrated orifice plate for internal flow control, base for support and floor level installation and 4 inch no hub inlet and outlet connections.
			1. Liquid Holding Capacity: 500 gallons.
			2. Load Capacity: 20,000 lbs per AASHTO H20.
			3. Operating Temperature: Up to and including 180 degrees F.
			4. Seamless, rotary molded High Density Polyethylene; 3/8 inch uniform wall thickness; PE 3135 from Dow 9.39 with density of 0.939 g/cm3.
			5. Lids: Steel encased composite providing a water and gas tight seal.
		11. Product: SUPER-750-O SUPER MAX HDPE Oil Interceptor: For indoor or outdoor use in areas receiving wastewater containing oil and sediment. Collects oil before it is drained to adjacent storage tank through an adjustable draw off system. Installs on or into floor. Regular maintenance is required for proper interceptor function. Extension pipe gasket for ADS 24N12, pipe not included for adjustable lid system, sample port access, internal baffle, deep seal trap covered by lid, internal air relief by-pass, adjustable oil draw-off assembly; 1-1/2 inch IPS on each side, double vent connections; 3 inch IPS on each side, stainless steel calibrated orifice plate for internal flow control, base for support and floor level installation and 4 inch no hub inlet and outlet connections.
			1. Liquid Holding Capacity: 750 gallons.
			2. Load Capacity: 20,000 lbs per AASHTO H20.
			3. Operating Temperature: Up to and including 180 degrees F.
			4. Seamless, rotary molded High Density Polyethylene; 3/8 inch uniform wall thickness; PE 3135 from Dow 9.39 with density of 0.939 g/cm3.
			5. Lids: Steel encased composite providing a water and gas tight seal.

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* 1. SEDIMENT AND SOLID INTERCEPTORS
		1. Product: BIG-L BIG MAX Lint Interceptors: Used in laundries and maintenance facilities to receive wastewater containing lint. Deep seal trap covered by adjustable lid system. Filters out lint and sediment from fixture waste line before entering pipe system Installs on or in the floor. Narrow width permits doorway and stairwell access. Regular maintenance is required for proper interceptor function.
			1. Liquid Holding Capacity: \_\_\_\_ gallons.
			2. Load Capacity: 20,000 lbs per AASHTO H20.
			3. Operating Temperature: Up to and including 180 degrees F.
			4. Construction: Rotary molded High Density Polyethylene.
			5. Lid: Steel encased composite lid provides a water and gas tight seal.
			6. Dual strainer baffles with 3/8 inch holes, 1/2 inch apart.
			7. Sample port access and 4 inch no hub inlet and outlet connections.
		2. Product: LIL-FUR Interceptor: Internal deep seal trap. Used in drain lines where animal fur and pet hair drains with wastewater. For indoor and outdoor use. Filters fur and pet hair from fixture waste line before entering pipe system. Installs on or recessed in floor. Regular maintenance is required for proper interceptor function.
			1. Flow Rating: \_\_\_\_. Liquid Holding Capacity: \_\_\_\_ gallons.
			2. Construction: HDPE injection molded body and nonskid rectangular lid.
			3. Lid: Gasketed with latch design permitting easy removal of lid for maintenance.
			4. Dual strainer baffles with 3/8 inch holes, 1/2 inch apart.
			5. LIL-L and LIL MAX Lint Interceptor: Internal deep seal trap. Used to receive wastewater containing lint. Installs on or recessed in floor. Regular maintenance is required for proper interceptor function. Filters out lint and sediment from fixture waste line before entering pipe system to reduce clogging.
			6. Flow Rating: \_\_\_\_. Liquid Holding Capacity: \_\_\_\_ gallons.
			7. Operating Temperature: Up to and including 180 degrees F.
			8. Construction: HDPE injection molded body and nonskid rectangular lid.
			9. Lid: Gasketed with latch design permitting easy removal of lid for maintenance.
			10. Dual strainer baffles with 3/8 inch holes, 1/2 inch apart.
			11. MI-HAIR Lavatory Mounted Hair and Sediment Interceptor: Used in beauty salons, dental offices, jewelry stores, motels, dormitories, and areas requiring interception of hair, solids or valuables from lavatory or sink waste lines. Cleaned by removing bottom cleanout plug and dropping internal stainless steel sediment bucket.
			12. Lacquered cast iron hair and solids interceptor with internal stainless steel perforated sediment bucket removable from bottom. 1-1/2 inch slip joint elbow inlet. 1-1/2 inch FIP side outlet and gasketed cleanout plug.
		3. Product: BIG-DECON Decontamination Tanks: Used with eyewashes and decontamination showers to capture liquid wastes that can damage building's drain, waste, and vent system. Direct connect lid system, 4 inch vent connection, and 4 inch no hub inlet connection. Above or below ground installation,
			1. Liquid Holding Capacity: \_\_\_\_\_ gallons.
			2. Load Capacity: 20,000 lbs per AASHTO H20.
			3. Seamless, rotary molded High Density Polyethylene; 3/8 inch uniform wall thickness; PE 3135 from Dow 9.39 with density of 0.939 g/cm3.
			4. Lids: Steel encased composite providing a water and gas tight seal.
		4. Product: BIG-F BIG MAX HDPE Fish Scale Interceptor: Used in fish processing plants and facilities receiving wastewater containing fish scales. Filters fish scales from waste line before entering the pipe system. Installs on or into floor. Narrow width permits doorways and stairwell access. Regular maintenance is required for proper interceptor function. Dual strainer baffles with 3/8 inch holes, 1/2 inch " apart, deep seal trap covered by lid, adjustable lid system, sample port access and 4" no hub inlet and outlet connections.
			1. Liquid Holding Capacity: \_\_\_\_\_ gallons.
			2. Load Capacity: 20,000 lbs per AASHTO H20.
			3. Operating Temperature: Up to and including 180 degrees F.
			4. High Density Polyethylene construction.
			5. Lids: Steel encased composite providing a water and gas tight seal.
		5. Product: BIG-OS BIG MAX HDPE Oil and Sediment Interceptor: Required anywhere oil and sediment may be introduced to public sewer system. Sediment and debris collects in the internal sediment bucket. Regular maintenance is required for proper interceptor function. Installs flush with floor. Deep seal trap with top inlet ductile iron grate, internal sediment bucket, adjustable top assembly system, internal air relief bypass and sample port access. Optional 4 inch no hub inlet opposite the outlet.
			1. Liquid holding capacity of \_\_\_\_\_\_ gallons.
			2. HDPE rotary molded with 3/8 inch uniform wall thickness
			3. Ductile Iron Grates Load Rating: Over 10,000 lbs.
			4. Sediment Bucket has 3/8 inch holes, 1/2 inch apart.
		6. Product: BIG-PL BIG MAX Plaster Interceptor: Required anywhere solids may be introduced into public sewer system. Will filter out plaster and sediment from fixture waste line before entering pipe system. Installs on or in the floor. Narrow width permits doorway stairwell clearance. Regular maintenance is required for proper interceptor function. Plaster retention baffle with elevated 3 inch diameter passageway, adjustable lid system, sample port access, and 4 inch no hub inlet and outlet connections.
			1. Solids holding capacity of \_\_\_\_\_\_ gallons.
			2. Load Capacity: 20,000 lbs per AASHTO H20.
			3. Operating Temperature: Up to and including 180 degrees F.
			4. HDPE rotary molded with 3/8 inch uniform wall thickness
			5. Lid: Steel encased composite provides a water and gas tight seal.
		7. Product: BIG-R BIG MAX Rice Interceptor: Used in food processing plants and restaurant facilities that have a lot of rice to receive wastewater. Filters rice from the fixture waste line before entering the pipe system. Installs on or in floor. Narrow width permits doorway and stairwell clearance. Regular maintenance is required for proper interceptor function. Dual strainer baffles with 3/8 inch holes, 1/2 inch apart, deep seal trap covered by lid, adjustable lid system, sample port access and 4 inch no hub inlet and outlet connections.
			1. Solids holding capacity of \_\_\_\_\_\_ gallons.
			2. Load Capacity: 20,000 lbs per AASHTO H20.
			3. Operating Temperature: Up to and including 180 degrees F.
			4. HDPE rotary molded with 3/8 inch uniform wall thickness
			5. Lid: Steel encased composite provides a water and gas tight seal.
		8. Product: BIG-S BIG MAX HDPE Solids Interceptor: Required anywhere solids may be introduced into public sewer system. Wastes must be separated before entering sewer system. Located between fixtures and grease interceptors. Sediment and debris collects inside internal sediment bucket. Installs on or in the floor. Narrow width permits doorway and stairwell clearance. Regular maintenance is required for proper interceptor function. Solids retention baffle with elevated 3 inch diameter passageway, adjustable lid system, sample port access, and 4 inch no hub inlet and outlet connections.
			1. Solids holding capacity of \_\_\_\_\_\_ gallons.
			2. Load Capacity: 20,000 lbs per AASHTO H20.
			3. Operating Temperature: Up to and including 180 degrees F.
			4. HDPE rotary molded with 3/8 inch uniform wall thickness
			5. Lid: Steel encased composite provides a water and gas tight seal.
		9. Product: BIG-SA BIG MAX Sand Interceptor: Used in facilities with wastewater containing sand and sediment. Filters out sand and sediment from fixture waste line before entering pipe system. Installs either on or in floor. Narrow width permits doorway and stairwell clearance. Regular maintenance is required for proper interceptor function. Sand retention baffle with elevated 3 inch diameter passageway, 3/8 inch uniform wall thickness, adjustable lid system, sample port access and 4 inch no hub inlet and outlet connections.
			1. Solids holding capacity of \_\_\_\_\_\_ gallons.
			2. Load Capacity: 20,000 lbs per AASHTO H20.
			3. Operating Temperature: Up to and including 180 degrees F.
			4. HDPE rotary molded with 3/8 inch uniform wall thickness
			5. Lid: Steel encased composite provides a water and gas tight seal.
		10. Product: LIL-F LIL MAX HDPE Fish Scale Interceptor: Used in facilities to receive wastewater containing fish scales. Installs on or recessed in floor. Regular maintenance is required for proper interceptor function. Filters fish scales and sediment from fixture waste line before entering pipe system. Interceptor is cleaned by removing the gasketed lid and accessing the internal straining baffles. Internal deep seal trap.
			1. Flow Rating: \_\_\_\_ gpm. Solids holding capacity of \_\_\_\_\_\_ gallons.
			2. Load Capacity: 20,000 lbs per AASHTO H20.
			3. Operating Temperature: Up to and including 180 degrees F.
			4. HDPE injection molded
			5. Two internal straining baffles with 3/8 inch holes, 1/2 inch apart.
			6. Lid: Steel encased composite provides a water and gas tight seal.
			7. Lid: HDPE injection molded, nonskid, gasketed, with securing latches.
		11. Product: LIL-OS LIL MAX HDPE Oil/Sediment Interceptor: Required here oil and sediment may be introduced to public sewer system Sediment and debris collects inside of the internal sediment bucket. Regular maintenance is required for proper interceptor function. Installs flush with floor. Open top ductile iron grates. Deep seal trap.
			1. HDPE injection molded
			2. Liquid holding capacity of \_\_\_\_\_\_ gallons.
			3. Sediment Bucket: 3/8 inch holes, 1/2 inch apart underneath top inlet ductile iron grates.
		12. Product: LIL-PL LIL MAX Plaster Interceptor: Required where solids may be introduced into public sewer system. These wastes must be separated before entering sewer system. Installs on or recessed in floor. Filters out plaster and sediment from fixture waste line before entering pipe system. Regular maintenance is required for proper interceptor function. Cleaned by removing top gasketed lid and accessing internal sediment bucket. Simple latch design permits fast and easy removal of the lid for cleaning and maintenance.
			1. Flow Rating: \_\_\_\_ gpm. Solids holding capacity of \_\_\_\_\_\_ gallons.
			2. Operating Temperature: Up to and including 180 degrees F.
			3. HDPE injection molded
			4. Two Internal Straining Baffles: 3/8 inch holes, 1/2 inch apart.
			5. Lid: HDPE injection molded, nonskid, gasketed lid with securing latches.
		13. Product: LIL-R LIL MAX HDPE Rice Interceptor: Used in restaurants, kitchens, and areas where rice drains with wastewater. Installs on or recessed in floor. Regular maintenance is required for proper interceptor function. Filters rice and sediment from fixture waste line before entering pipe system. Cleaned by removing the top gasketed lid and accessing internal straining baffles. Simple latch design permits fast and easy removal of lid for cleaning and maintenance.
			1. Flow Rating: \_\_\_\_ gpm. Solids holding capacity of \_\_\_\_\_\_ gallons.
			2. Operating Temperature: Up to and including 180 degrees F.
			3. HDPE injection molded
			4. Two Internal Straining Baffles: 3/8 inch holes, 1/2 inch apart.
			5. Lid: HDPE injection molded, nonskid, gasketed lid with securing latches.
		14. Product: LIL-S LIL MAX HDPE Solids Interceptor: Required anywhere solids may be introduced into public sewer system. These wastes must be separated before entering sewer system. Typically located between grease interceptor and fixtures. Installs on or recessed in floor. Filters out solids and sediment from fixture waste line before entering the grease interceptor. Cleaned by removing top access gasketed lid and accessing the internal sediment bucket. Simple latch design permits fast and easy removal of lid for maintenance.
			1. Flow Rating: \_\_\_\_ gpm. Solids holding capacity of \_\_\_\_\_\_ gallons.
			2. Operating Temperature: Up to and including 180 degrees F.
			3. HDPE injection molded
			4. Internal Perforated Sediment Bucket: 3/8 inch holes, 1/2 inch apart.
			5. Coarse Screen Baffles: 3/8 x 1-1/4 inch.
			6. Lid: HDPE injection molded, nonskid, gasketed lid with securing latches.
		15. Product: LIL-SA LIL MAX HDPE Sand Interceptor: Used in facilities receiving wastewater containing sand and sediment. Which is collected inside of the interceptor. Installs on or recessed in floor. Regular maintenance is required for proper interceptor function. Filters sand and sediment from fixture waste line before entering pipe system Cleaned by removing gasketed lid and accessing the internal straining baffles. Simple latch design permits fast and easy removal of the lid for cleaning and maintenance.
			1. Flow Rating: \_\_\_\_ gpm. Solids holding capacity of \_\_\_\_\_\_ gallons.
			2. Operating Temperature: Up to and including 180 degrees F.
			3. HDPE injection molded
			4. Two Internal Straining Baffles: 3 inch holes.
			5. Lid: HDPE injection molded, nonskid, gasketed lid with securing latches.
		16. Product: MI-FISH Fish Scales Interceptor: Used in commercial fish processing facilities to receive wastewater with fish scales and sediment through the side inlet. Primary and secondary straining removable baffles are designed to capture debris and prevent drain line clogging.
			1. Flow Rating: \_\_\_\_ gpm. Solids holding capacity of \_\_\_\_\_\_ gallons.
			2. Construction: 10 gauge steel. Powder epoxy coated inside and out.
			3. Sediment bucket with perforated baffle near inlet with 3/8 inch holes.
			4. Primary Removable Straining Baffle: 1/2 inch thick with 1/4 inch holes.
			5. Secondary Removable Straining Baffle: 1/2 inch thick with 1/8 inch holes.
			6. Removable cross bar
			7. Stainless steel calibrated orifice plate
			8. Lids: Steel. Powder epoxy coated nonskid, and gasketed with securing bolts.
		17. Product: MI-OS Oil/Sediment Interceptor: Used in service areas receiving wastewater with sediment and oil contaminants through the top grates. Removable sediment bucket and mud pan captures debris. Deep seal trap with integral sewer gas stopper, internal vent system, cleanout plug and side outlet.
			1. Sludge Capacity: \_\_\_\_ lbs. Load Rating: 10,000 lbs.
			2. Construction: !0 gauge steel. Powder epoxy coated inside and out.
			3. Grates: ANSI rated "Special Duty" ductile iron.
		18. Product: MI-RICE Rice Interceptor: Used in commercial kitchen facilities receiving wastewater with rice and sediment through side inlet. Fixed primary straining and removable secondary straining baffle are designed to capture debris. Removable cross bar and stainless steel calibrated orifice plate,
			1. Flow Rate: \_\_\_\_ gpm. Load Rating: 10,000 lbs.
			2. Construction: !0 gauge steel. Powder epoxy coated inside and out.
			3. Primary Fixed Straining Baffle: 1/2 inch thick with 1/4 inch holes.
			4. Secondary Removable Straining Baffle: 1/2 inch thick with 1/4 inch holes.
			5. Lids: Steel. Powder epoxy coated nonskid, and gasketed with securing bolts.
		19. Product: MI-SAND Sand Interceptor: Used in maintenance facilities receiving wastewater containing sand and sediment which is collected inside of an internal sediment bucket. Solid baffle system enhances separation process as sand and sediment settle within each chamber during water flow through interceptor. Regular maintenance is required for proper interceptor function. Installs on the ground, semi recessed or flush with floor. Removable cross bar, four 3 inch threaded vent connections, solid straining baffles, stainless steel calibrated orifice plate, sediment bucket with perforated baffle beside inlet, deep seal trap, sewer gas stopper, internal air relief by-pass.
			1. Liquid Holding Capacity: \_\_\_\_\_ gallons.
			2. Construction: !0 gauge steel. Powder epoxy coated inside and out.
			3. Lids: Steel. Powder epoxy coated nonskid, and gasketed with securing bolts.
		20. Product: MI-SD Sediment Drain Interceptor: Used in maintenance facilities receiving wastewater containing sand and sediment. Sediment and debris collects inside of internal sediment bucket. Solid baffle system enhances separation process as sand and sediment settle within each chamber during flow of water through interceptor. Regular maintenance is required for proper interceptor function. Installs on the ground, semi recessed or flush with floor. Removable cross bar, four 3 inch threaded vent connections, solid straining baffles, stainless steel calibrated orifice plate, sediment bucket with perforated baffle beside inlet, deep seal trap, sewer gas stopper, internal air relief by-pass,
			1. Flow Rate: \_\_\_\_ gpm. Liquid Holding Capacity: \_\_\_\_\_ gallons.
			2. Construction: !0 gauge steel. Powder epoxy coated inside and out.
			3. Lids: Steel. Powder epoxy coated nonskid, and gasketed with securing bolts.
		21. Product: MI-SO Sand/Oil Interceptor: Used in service areas receiving wastewater with sand and oil contaminants. Removable sediment bucket with perforated baffle beside inlet captures debris. Deep seal trap with integral sewer gas stopper, two 2 inch vent connections, adjustable oil draw off assembly and no hub inlet/outlet.
			1. Liquid Holding Capacity: \_\_\_\_\_ gallons.
			2. Construction: !0 gauge steel. Powder epoxy coated inside and out.
			3. Lids: Steel. Powder epoxy coated nonskid, and gasketed with securing bolts.
		22. Product: MI-SOLID-L Large Solids Interceptor: Installed between grease interceptor and fixtures served. Installs on or recessed in floor. Filters solids and sediment from the fixture waste line before entering grease interceptor. Cleaned by removing top access gasketed lid and accessing internal perforated sediment bucket and baffle assembly.
			1. Flow Rate: \_\_\_\_ gpm. Liquid Holding Capacity: \_\_\_\_\_ gallons.
			2. Construction: !0 gauge steel. Powder epoxy coated inside and out.
			3. Lids: Steel. Powder epoxy coated nonskid, and gasketed with securing bolts.
			4. Low Inlet: 3 inch FIP High Outlet: 3 inches FIP
		23. Product: MI-SOLID-M Medium Solids Interceptor: Installed between grease interceptor and fixtures served. Installs on or recessed in floor. Filters solids and sediment from fixture waste line before entering grease interceptor. Cleaned by removing top access gasketed lid and accessing internal perforated sediment bucket and baffle assembly
			1. Flow Rate: \_\_\_\_ gpm. Liquid Holding Capacity: \_\_\_\_\_ gallons.
			2. Construction: !0 gauge steel. Powder epoxy coated inside and out.
			3. Lids: Steel. Powder epoxy coated nonskid, and gasketed with securing bolts.
			4. Low Inlet: 2 inch FIP High Outlet: 2 inch FIP
		24. Product: MI-SOLID-LB Solids Interceptor with Bottom Access: Used in dental offices, jewelry stores and areas requiring interception of solids, sand, plaster, chips, or valuables from lavatory or sink waste lines. Bottom access design is for installation underneath the fixture in place of the "P" trap. Cleaned by removing bottom cover and dropping the interior perforated sediment bucket. Ensure waste receptacle is placed underneath interceptor before maintenance. Installs suspended underneath sink.
			1. Construction: !0 gauge steel. Powder epoxy coated inside and out.
			2. Lids: Steel. Powder epoxy coated nonskid, and gasketed. Secured with latches.
			3. Low Inlet: 2 inch FIP High Outlet: 2 inch FIP.
		25. Product: MI-SOLID-S Small Solids Interceptor: Used in dental offices, jewelry stores and other areas requiring interception of solids, sand, plaster, chips, or valuables from lavatory or sink waste lines. Cleaned by removing top cover and accessing internal stainless steel sediment bucket. Typically installed underneath the sink on the floor.
			1. Lacquered cast iron with internal stainless steel perforated sediment bucket removable through top. 2 inch FIP inlet and outlet and gasketed lid secured with single handle.
		26. Product: MI-SOLID-SA Side Access Solids Interceptor: Used in dental offices, jewelry stores, art rooms and areas requiring interception of solids, sand, plaster, chips, or valuables from lavatory or sink waste lines. Cleaned by removing side gasketed lid and accessing internal stainless steel sediment bucket. Installs suspended or under sink applications when there are height limitations for a top access solids interceptor.
			1. Maximum flow rate: 35 gpm.
			2. Type 304 14 gauge stainless steel with internal stainless steel perforated sediment bucket connected to a removable and gasketed side access latched lid. 2 inch female threaded inlet and outlet on each side for right or left hand installation and internal stainless steel flow control.
		27. Product: MI-SOLID-TA Top Access Solids Interceptor: Installs in semi-recessed or on floor between MI-G Series interceptor and fixtures served. Filters solids and sediment from the fixture waste line before entering grease interceptor. Cleaned by removing gasketed lid and accessing internal perforated sediment bucket.
			1. Flow Rating: \_\_\_\_ gpm. Solids holding capacity of \_\_\_\_\_\_ gallons.
			2. Construction: !0 gauge steel. Powder epoxy coated inside and out.
			3. Lids: Steel. Powder epoxy coated nonskid, and gasketed. Secured with latches.
			4. No hub inlet on one side and no hub outlet on other side.
			5. Pipe Size: 2, 3, and 4 inch.
		28. Product: MINI-PL MINI MAX Wet Waste Interceptor: Used in restaurants, kitchens, bars, and food processing areas where fat, oil, and grease (FOG) and food particles drain with wastewater. Installs directly under or close to drain sink. Grease and food particles are trapped prior to entering municipality mandated grease interceptor.
			1. Construction: One piece High Density Polyethylene.
			2. To removable polycarbonate plastic strainer trays.
			3. Disposable filter: A fine mesh for coffee grounds or general use solids filter.
			4. HDPE 2 inch no hub inlet and outlet connections.
			5. Four adjustable support legs.
		29. Product: SUPER-DECON SUPER MAX Decontamination Tank: Used with eyewashes and decontamination showers to capture liquid wastes that can damage building's drain, waste, and vent system. Public sewer or ground and surface waters are required by Chapter 8 of the Uniform Plumbing Code (U.P.C.) and by the International Plumbing Code (I.P.C.) to be pretreated. This is also required by the AIA and ANSI.
			1. Liquid Holding Capacity: \_\_\_\_\_\_ gallons.
			2. Load Capacity: 20,000 lbs per AASHTO H20.
			3. Seamless, rotary molded High Density Polyethylene; 3/8 inch uniform wall thickness; PE 3135 from Dow 9.39 with density of 0.939 g/cm3.
			4. Lids: Steel encased composite providing a water and gas tight seal. A direct connect lid system
			5. Above or below ground installation. Base for support and floor level installation.
			6. Vent Connection: 4 inch,
			7. No Hub Inlet Connection: 4 inch
		30. Product: SUPER-OS SUPER MAX HDPE Oil/Sediment Interceptor: Required where oil and sediment may be introduced to public sewer system. Sediment and debris collects inside of internal sediment bucket within top assembly. Regular maintenance is required for proper interceptor function. Installs flush with floor. Internal air relief bypass, sample port access, base for support and 4 inch no hub outlet connection.
			1. Liquid Holding Capacity: \_\_\_\_\_\_ gallons. Load Rating: 10,000 lbs.
			2. Seamless, rotary molded High Density Polyethylene; 3/8 inch uniform wall thickness; PE 3135 from Dow 9.39 with density of 0.939 g/cm3.
			3. For below ground installation. Extension pipe gasket for ADS 24N12 for adjustable lid system.
			4. Deep seal trap, , covered by "special duty" load rated, ductile iron top inlet grates. Sediment bucket
			5. Sediment Bucket: Perforated with 3/8 inch holes, 1/2 inch apart.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required, or delete products not required.

* 1. SAMPLE PORTS
		1. For areas requiring sample ports for local authorities to retrieve and test wastewater discharged from grease interceptors to ensure FOG contained within the effluent is within requirements.
		2. Product: BIG-SP Below Ground Sample Port:
			1. Material: HDPE and corrugated ADS pipe extension to meet finished grade.
			2. Lid Load Rating: H-20, 20,000 lbs.
			3. Body Diameter: 20-7/8 inch.
			4. No Hub Inlet and Outlet Connections: 4 inch.
		3. Product: BIG-SP-DC Above Ground Sample Port:
			1. Material: HDPE and corrugated ADS pipe extension to meet finished grade.
			2. Lid Load Rating: H-20, 20,000 lbs
			3. Body Diameter: 20-7/8 inch.
			4. No Hub Inlet and Outlet Connections: 4 inch.
		4. Product: LIL MAX Sample Ports:
			1. Material: HDPE and corrugated ADS pipe extension to meet finished grade.
			2. Lid Load Rating: H-20, 20,000 lbs.
			3. Body Diameter: 20-7/8 inch.
			4. No Hub Inlet and Outlet Connections: 3 inch.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required, or delete products not required.

* 1. SENSORS AND ALARMS
		1. Product: HLA High Level Alarm System: Monitors and sends audible and visual alarm when oil and/or grease capacity is at approximately 75 percent. Installs on all MIFAB oil or grease interceptors allowing interceptors to be maintained when required. Mounts to the nearest structure.
			1. Alarm Control Box: Weatherproof NEMA4/4X.
			2. Float Switch: Mounts inside interceptor for level detection and connects to alarm control box.
			3. Power Cord: 6 ft 120 VAC cord.
			4. Viewable Alarm Light: 360 degree sign.
			5. Solid Tone Alarm: 85 dB at 10 ft.
			6. Silence and test button.
		2. Product: LD Leak Detection System: For double wall interceptors. Monitors for leaks through first wall of double wall interceptor. Typically used in high risk applications where seal of interceptor needs to be monitored. Mounts to the nearest structure.
			1. Alarm Box: Weatherproof NEMA 4/4X
			2. Pressure Switch: Type 316 stainless steel mounts inside interceptor for oil and/or grease level detection and connects to alarm box.
			3. Power Cord: 6 ft 120 VAC cord.
			4. Viewable Alarm Light: 360 degree sign.
			5. Solid Tone Alarm: 85 dB at 10 ft.
			6. Silence and test button.
		3. Product: MI-G-DOS Enzyme Dosing Pump: Delivers programmable pre-determined dose of bacterial enzyme liquid to grease interceptors reducing fats, oils, and greases (FOG) to water and carbon dioxide, reducing service intervals.
			1. Self-contained 120 or 220 VAC fully automatic dosing pump specifically system matched to MIFAB Series grease interceptors.
1. EXECUTION
	1. EXAMINATION
		1. Do not begin installation until substrates have been properly constructed and prepared.
		2. If substrate preparation is the responsibility of another installer, notify Architect in writing of unsatisfactory preparation before proceeding.
	2. PREPARATION
		1. Clean surfaces thoroughly prior to installation.
		2. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
	3. INSTALLATION
		1. Install in accordance with manufacturer's instructions, approved submittals, and in proper relationship with adjacent construction.
	4. FIELD QUALITY CONTROL
		1. Field Inspection: Coordinate field inspection in accordance with appropriate sections in Division 01.

\*\* NOTE TO SPECIFIER \*\* Include if manufacturer provides field quality control with onsite personnel for instruction or supervision of product installation, application, erection, or construction. Delete if not required.

* + 1. Manufacturer's Services: Coordinate manufacturer's services in accordance with appropriate sections in Division 01.
	1. CLEANING AND PROTECTION
		1. Clean products in accordance with the manufacturer's recommendations.
		2. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION