



May 10, 2022
Mr. Leo Cosentini
California State Water Resources Control Board
Division of Water Quality
P.O. Box 100
Sacramento, CA 95812-0100

Dear Mr. Cosentini,

Thank you for the opportunity for Fabco Industries, Inc. to submit our application for the **Fabco CPS** for certification as a Full Capture System -Trash Treatment Control Device. The Fabco CPS is a connector pipe screen device, which mounts to the basin walls around an outlet pipe. It is designed and manufactured to screen all particles 5 mm in diameter or greater; and allows for a flow rate through the device equal to or greater than the peak flow of the storm drain in which it is installed. Provisions have also been made to ensure that standing water does not build up and Mosquito Vector Control personnel are easily able to inspect the device without needing to lift grates or perform confined space entry. The Fabco CPS has been installed and successfully protects waterways in stormwater infrastructure projects nationwide, including in California within the cities of Garden Grove, Antioch, and Escondido.

Within our application below we have spoken to each of the submittal requirements within the Trash Treatment Control Device Certification and Fact Sheet Update Requirements and maintained the requested layout.

Thank you again for your consideration and time taken to review our application. If any additional information is needed please do not hesitate to contact myself Hilme Athar or our V.P. of Engineering, John Peters. Both of our contact information can be found within the application below.

Sincere regards,

A handwritten signature in black ink that reads "Hilme Athar". The signature is written in a cursive, flowing style.

Hilme Athar
Sales Engineer
24 Central Drive
Farmingdale, NY 11735
(631) 393-6024
hathar@fabco-industries.com

1. Cover Letter

1.A. Device Name and General Description

The Fabco Connector Pipe Screen (CPS) is a full capture trash screening device designed and manufactured by Fabco Industries. The device is installed in front of the outlet pipe of a catch basin to trap any trash particles larger than 4.8 mm within the catch basin. The Fabco CPS is fabricated completely from 304 Stainless Steel with Zinc Plated CRS concrete strike anchors for mounting and is designed to be easily installed on site.

1.B. Applicant's Contact Information and Location

Owner Information:

John Peters
V.P. of Engineering
24 Central Drive
Farmingdale, NY 11735
(631) 393-6024
johnp@fabco-industries.com

Authorized Representative(s) Contact Information:

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Manager of Sales & Engineering
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Farmingdale, NY 11735
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rwilliamson@fabco-industries.com

Hilme Athar
Sales Engineer
24 Central Drive
Farmingdale, NY 11735
(631) 393-6024
hathar@fabco-industries.com

1.C. Manufacturer's Website Page for Device

<https://fabco-industries.com/trash-capture-filter-device-connector-pipe-screen/>

1.D. Device's Manufacturing Location

Fabco Industries, Inc.
24 Central Drive
Farmingdale, NY 11735
(631) 393-6024

1.E. Brief Summary of Field/Lab Testing Results

The Fabco CPS screen material is perforated with 3/16" (approximately 4.8 mm) round holes. The entire design flow must flow through the perforated metal so all trash larger than 4.8 mm is trapped from the peak design flow. No lab testing is required as all particles larger than 5 mm cannot physically pass through the screen. Existing installations of the Fabco CPS, including project sites in California, have yielded only positive results. All filtered flow rates reported in the hydraulic capacity table (Section 3.C.)

have been calculated using the percent open area of the perforated screens and using a standard coefficient of 0.62 for the orifice equation.

1.F. Brief Summary of Device Limitations, and Operational, Sizing, and Maintenance Considerations

The Fabco CPS is available in standard sizes for various outlet pipe sizes. Custom units are also regularly engineered to meet site-specific design flows and dimensional requirements. Accessibility within an installation site is taken into high consideration and all designs ensure the greatest ease of installation at each site. A mandatory hinged deflector is also available for the Fabco CPS which allows for access behind the CPS screen by Vector Control Personnel.

Regular maintenance is necessary for the Fabco CPS to function properly. Fabco typically suggests maintenance be scheduled twice a year, but actual maintenance frequency will depend on site conditions. The applicable Municipal Stormwater permit may specify more frequent maintenance intervals. The filtered flowrate of the Fabco CPS is designed to completely screen at least the trash treatment peak design. Fabco CPS systems must be sized to trap trash 5 mm or more for flows generated from the 1 year, 1 hour storm. In addition, Fabco CPS systems must be sized to maintain hydraulic capacity prior to required maintenance as specified in the applicable Municipal Storm Water permit. Fabco Industries recommends use of a vacuum truck to clean trash and debris captured by the connector pipe screen.

1.G. Description, or List of Locations, where Device has been installed

Fabco CPS units have been installed for many stormwater management projects throughout California and nationally. Below are some example current install sites:

Current Install Sites	
Project	Contact
Garden Grove	Albert Eurs Email: alberte@ggcity.org
Antioch	Kevin Rettig Email: kevin@cafiltrationspecialists.com
Escondido	Mary Sullivan Email: MaryS@DownstreamServices.com

1.H. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons that manage the system or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

X _____

John Peters
V.P. of Engineering
(631) 393-6024
johnp@fabco-industries.com

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3. Physical Description

3.A. Trash Capture

The Fabco CPS is fabricated using all coated or stainless-steel components. The primary screen is a perforated stainless steel with 3/16" (approx. 4.8mm) diameter holes. The entire design flow is directed through the screen trapping any trash particles 5mm or greater within the catch basin. Below is a more detailed physical description feature list of the device:

- The Fabco CPS consists of a base outer bracket, (x2) base screens, a base inner bracket, base hardware to secure these pieces together on site, and a mandatory hinged deflector screen.
- The base screen is made up of a frame and a screen component.
- The frames, base outer bracket, inner bracket, and mandatory deflector screen are made using 14 GA thick stainless steel.
- The screen components are 16 GA perforated stainless steel with 3/16" (approx. 4.8mm) diameter holes.
- The screen components are welded to the base screen frames.
- A stainless-steel hinge is welded onto the mandatory deflector screen which allows for access and inspection by Vector Control.
- The parts are designed to ship flat and be easily brought as separate pieces into the catch basin.
- The hardware provided consist of hex bolts, flat washers, lock washers and hex nuts are all stainless steel.
- Zinc Plated CRS concrete strike anchors are provided to mount the full assembly to the vault wall around the outlet pipe.

3.B. Peak Flows/Trash Volumes

See table in section 3.C. for hydraulic capacity and recommended max trash storage volume of the four most common standard size Fabco CPS units. The open area of the filter screens is greater than or equal to the open area of the outlet pipe opening. This is to ensure at least that trash is trapped for the peak design flow. The area of the bypass opening is equal to or greater than the area of the outlet pipe opening. Bypass height is typically set 2" above the top of the outlet pipe. Maximum trash volume varies with the size of the catch basin.

3.C. Hydraulic Capacity

Fabco CPS Standard Sizes						
Size	Hydraulic Capacity					Recommended Max Trash Storage Volume (CF)
	Filtered Flow Rate				Bypass Flow Rate	
	Empty (CFS)	25% Full (CFS)	50% Full (CFS)	75% Full (CFS)		
Ø18" Pipe	12.0	9.0	6.0	3.0	Area of the bypass opening is greater than or equal to outlet pipe open area.	Maximum Storage Volume will vary with the size of the catch basin that the Fabco CPS is installed within.
Ø24" Pipe	24.8	18.6	12.4	6.2		
Ø30" Pipe	43.4	32.6	21.7	10.9		
Ø36" Pipe	68.7	51.5	34.3	17.2		

*Fabco CPS does not have any alternative configurations

The orifice equation below is used to calculate the hydraulic capacity of each CPS Unit.

$$Q = C_d A \sqrt{2gh}$$

where,

Q = flow rate [in^3/s] *converted to [CFS and GPM]

C_d = coefficient of discharge [0.62 used by Fabco Industries]

A = area of orifice or net open area [in^2]

g = acceleration from gravity [in/s^2]

h = head acting on centerline [in]

Example:

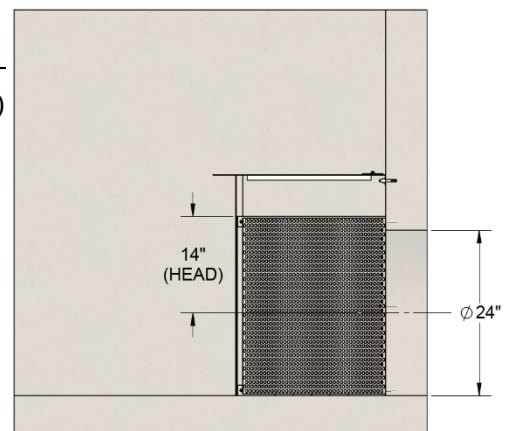
For an Ø24" Pipe Fabco CPS

$$Q = (0.62) * (663.27 [\text{in}^2]) * \sqrt{2 * \left(386.4 \left[\frac{\text{in}}{\text{s}^2}\right]\right) * (14 [\text{in}])}$$

$$Q = 42773.97 \left[\frac{\text{in}^3}{\text{s}}\right] \div 1728 \left[\frac{\text{in}^3}{\text{ft}^3}\right]$$

$$Q = 24.75 \left[\frac{\text{ft}^3}{\text{s}}\right]$$

REFERENCE SECTION VIEW



3.D. Comparison Table

Please see table in Section 3.C. for hydraulic capacity of the four most common sizes of the Fabco CPS.

3.E. Design Drawings

Refer to Appendix A for representative design drawings of the Fabco CPS for Ø18" and Ø24" outlet pipes.

3.F. Alternative Configurations

The Fabco CPS does not have any alternative configurations.

3.G. Internal Bypass

The bypass of the Fabco CPS is an opening above the device's filter screen that allows for flow equal to or greater than the outlet pipe opening. The filter screen on the Fabco CPS is engineered to filter at least the trash treatment peak design flow. Thus, the bypass opening of the Fabco CPS is only used when flow into the catch basin exceeds the peak design flow or when peak flows occur after the device has not been maintained to keep blinding to a minimum.

3.H. Previously Trapped Trash

The only scenario in which previously trapped trash can be re-introduced to the downstream stormwater infrastructure is if there is floating trash which rises above and through the bypass opening when a bypass flow scenario occurs as explained in Section 3.G.

3.I. Calibration Feature

The Fabco CPS standard configuration does not include or require any adjustable calibration.

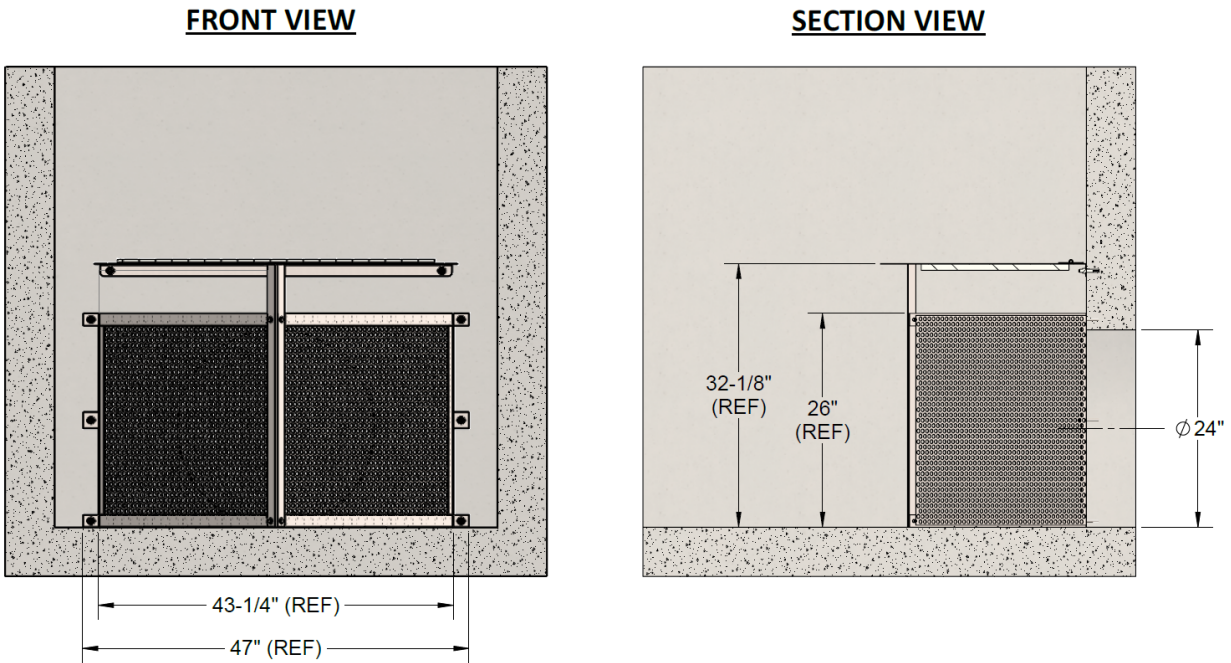
3.J. Photos

Photos of two Garden Grove installation sites:



***Shown without mandatory deflector screen.

Reference Diagrams:



3.K. Material Type

Below is a list of all materials which comprise the Fabco CPS and where the materials are used on the device:

- Filter Screen: 16 GA Stainless Steel, 3/16" Holes, Staggered Centers, 51% Open Area
- Frame Assembly: 14 GA thick 304 Stainless Steel
- Hinge: 304 Stainless Steel
- Base Hardware: 18-8 Stainless Steel Hex Bolts, Flat Washers, Lock Washers, and Hex Nuts.
- Concrete Strike Anchors: Zinc Plated CRS

3.L. Design Life

The Fabco CPS is composed completely of 304 stainless steel components, 18-8 stainless steel base hardware, and zinc plated CRS concrete strike anchors. With expected stormwater conditions and regular maintenance, the Fabco CPS has an expected design life of 15 or more years. This life expectancy is estimated using the International Nickel Co. Inc. published report on the "Corrosion Resistance of the Austenitic Chromium-Nickel Stainless Steels in Chemical Environments".

4. Installation Guidance

4.A. Standard Device Installation Procedures and Considerations

The Fabco CPS is designed and manufactured to fit within the specific dimensions of each installation site. Fabco requires that before any purchase, a survey with measurements of the storm drain/install site are taken.

Typical installation of a standard Fabco CPS follows the following outlined procedure steps:

1. Ensure all site safety requirements are set in place before beginning installation.
2. Remove any catch basin grate or manhole cover for access to the install location
3. Prepare all catch basin/vault wall surfaces.
4. Insert all the standard configuration CPS components through the available catch basin/vault opening.
5. Attach the base screens to the center support component using provided bolts, washers, and nuts.
6. Place the CPS assembly directly in front of the outlet pipe of the catch basin, aligning the base brackets to center with the invert of the outlet pipe.
7. Mark holes for provided concrete strike anchors and drill using a masonry drill.
8. Then secure the CPS assembly to the catch basin wall using the provided concrete strike anchors.
9. Align the mandatory deflector screen with the base inner bracket, mark hole locations, and drill using a masonry drill.
10. Mount the mandatory deflector screen using the remaining provided concrete strike anchors.
11. Reinstall any removed catch basin grates or manhole covers.

4.B. Description of Device Installation Limitations and Non-Standard Device Installation Procedure

The Fabco CPS is limited in how it can fit through a catch basin entry point. If any non-standard installation is required, the installer should please contact their respective sales representative or Fabco sales support at sales@fabco-industries.com or (631) 393-6024. Installation procedure may differ, but design of the Fabco CPS cannot change.

4.C. Methods for Diagnosing and Correcting Installation Errors

Fabco Industries CPSs are designed for quick and easy installation. Once installed, ensure a proper installation by performing a visual inspection of the entire installed unit to confirm the device is centered in front of the outlet pipe, and that mounting points are in firm contact with the vault wall. If the CPS does not fit securely to the wall, remove, and reinstall again following instructions in Section 4.A. If issues persist, contact Fabco sales support about the issues to further identify possible solutions. If any critical questions at all arise during or after installation, the install team should please contact their respective sales representative or Fabco sales support (Email: sales@fabco-industries.com; Phone: (631) 393-6024) for project specific assistance.

5. Operation and Maintenance Information

5.A. Inspection Procedures and Frequency Considerations

Fabco recommends that an installed CPS is inspected and maintained at a minimum of two times a year on a recurring basis for the life expectancy of the unit. It is recommended that the first inspection and maintenance of the year take place at the start of the local rainy season. The second inspection and maintenance of the year should take place at the end of the local rainy season. If there is no definite rainy season at the install location, Fabco suggests that the two minimum inspections and maintenance should be evenly spaced throughout the year. However, the Municipal Storm Water permit may specify more frequent maintenance intervals.

True necessary inspection and maintenance frequency will depend on the actual amount of stormwater runoff, pollutant loading and blinding from trash occurring at the installation site. It is recommended that during the first year after installation a higher frequency of inspections is performed (typically, at least 3-4). This is to ascertain the necessary inspection and maintenance frequency for the install site and determine a baseline expected trash load.

Please note no confined entry is required to inspect the Fabco CPS. Below is the standard inspection procedure for the Fabco CPS:

1. Ensure all site safety requirements are set in place before beginning inspection
2. Remove any catch basin grate or manhole cover to gain visual access to the Fabco CPS install site.
3. Visually inspect all chambers for heavy sediment, trash, and debris loading. A battery powered flashlight or droplight is recommended for thorough inspection.
4. Visually inspect the device for any damage or unfastening that may have occurred.
5. Use a hook tool or equivalent tool to ensure vector control hinged top mandatory deflector screen is easily opened.
6. Measure the trash load using a tape measure or equivalent trash measurement tool.
7. Keep a record of inspection, noting any irregularity, damage, or loss of secure mounting.
8. Record trash load measurement.
9. (If necessary) take photos and keep on record.
10. Perform vector control inspection and keep records.
11. Ensure that the hinged top mandatory deflector screen is in the closed position.
12. Reinstall any removed catch basin grates or manhole covers.

5.B. Description of Maintenance Frequency Considerations

Recurring maintenance is needed to make sure the Fabco CPS can function properly in screening the design flow of the drainage structure in which it's installed. Fabco suggests a minimum maintenance schedule of at least two times a year by removing the trash and debris, sand and silt with a vacuum assisted device. Typically, the maintenance should be scheduled for once at the start of the local rainy season and once at the end of the local rainy season. If there is no defined rainy season, the maintenance can be scheduled equally spaced throughout the year. However, the Municipal Storm Water permit may specify more frequent maintenance intervals. Because the actual trash load on a drain can vary from site to site, the inspection record can be used to properly plan the needed maintenance

schedule. To minimize maintenance costs Fabco generally suggests that the clean outs take place any time the device is at 50% full trash capacity.

5.C. Maintenance Procedures

Prior to performing the maintenance procedure, all safety and local traffic control protocols should be put into place. Also ensure local PPE requirements are being met by the maintenance team. Below is the step-by step Fabco CPS maintenance procedure:

1. Remove the catch basin grate or manhole access cover and set safely to the side of the drainage access point.
2. Visually inspect all chambers for heavy sediment, trash, and debris loading. A battery powered flashlight or droplight is recommended for thorough inspection.
3. Remove the sediment, trash, and debris from the system. This can be done manually by hand with shovels and buckets, however for large scale implementation the most efficient method is to use a vacuum system such as a Vactor truck.
4. Visually inspect the device after cleaning and record any damage or unfastening of the device.
5. If deemed necessary, a power washer can be used to clean the system further.
6. If no critical issues are present or any concerns remain, reinstall any removed grates or manhole covers.
7. All liquid, oils, sediment, debris, trash and other accumulates removed from the catch basin must be handled and disposed of in accordance with local, state and federal regulations.

Disposal considerations must be part of a well-planned and scheduled maintenance regime. Solid waste disposal can typically be coordinated with a local landfill, whereas liquid waste can be disposed of at either a wastewater treatment plant, or a municipal vacuum truck decant facility.

5.D. Essential Equipment and Materials for Proper Maintenance Activities

Fabco Industries recommends the following equipment for maintenance of the Fabco CPS:

- Proper safety equipment including but not limited to hardhats, safety vests, gloves, and eye protection.
- Any required traffic control equipment.
- A battery powered flashlight or drop light.
- Shovels and buckets or industrial vacuum.
- Pressure washer (optional).
- Grate and manhole cover removal/reinstallation tools.

5.E. Description of the Effects of Deferred Maintenance on Device Structural Integrity, Performance, Odors, Etc.

If maintenance is deferred for the Fabco CPS, the full trash capacity of the Fabco CPS can be reached causing a bypass event when a rainstorm occurs. During a bypass event, trash will flow past the Fabco CPS system and discharge into any downstream stormwater infrastructure or water body. Deferred maintenance will not affect the structural integrity of the Fabco CPS.

5.F. Repair Procedures for Device's Structural and Screening Components

If during inspection or maintenance of the Fabco CPS it's found that the device needs repair, photographs and documentation should be sent to the Fabco assistance team at: sales@fabco-industries.com. The Fabco engineering team can then assess the damage and suggest a repair plan or begin a warranty repair or replacement.

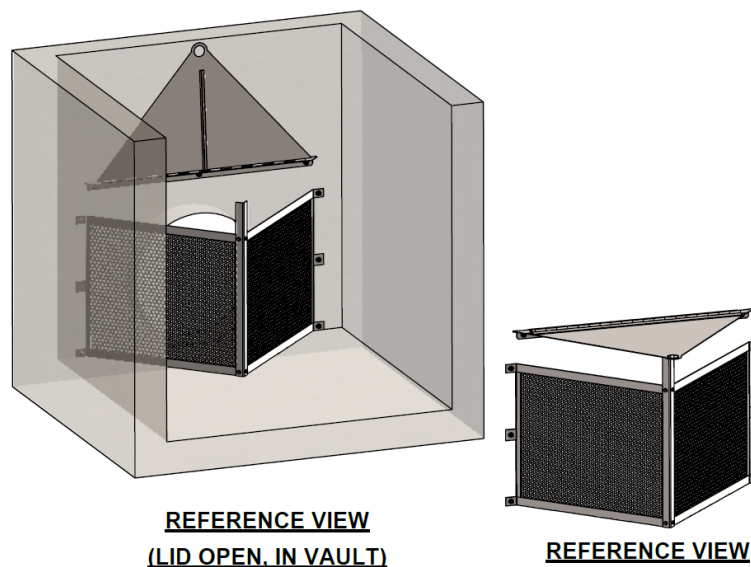
6. Vector Control Accessibility

6.A. Date of Application Submittal to Mosquito Vector Control Association

Application to the Mosquito and Vector Control Association of California (MVCAC) for the Fabco CPS was submitted on April 21, 2022, and a letter of verification was received on June 14, 2022. See Appendix B for the MVCAC verification letter.

6.B. Description of Access for Vector Control Personnel

The Fabco CPS includes a mandatory lightweight hinged top cover allowing for easy access by Vector Control personnel without requiring any confined space entry. The mandatory hinged top deflector screen has a lifting tab that can be grabbed with a hook tool or equivalent tool to flip the cover open or closed. When the top cover is open, the space behind the CPS is available for inspection, or treatment by Vector Control personnel. With feedback from MVCAC, Fabco has also made sure to include seepage holes between the bottom of the device and the bottom of the basin. This ensures that standing water will not build up.



6.C. Mosquito Vector Control Association of California Letter of Verification

Please refer to Appendix B to find the MVCAC letter of verification for the Fabco CPS.

7. Reliability Information

7.A. Estimated Design Life of Device Components before Major Overhaul

The life expectancy of the Fabco CPS is estimated by consideration of the materials used to fabricate the Fabco CPS. All components of Fabco CPS main assembly are manufactured from 304 stainless steel sheet; 18-8 stainless steel bolts, washers, and nuts are used to secure all components together; and zinc plated CRS concrete strike anchors are used to install the device to a drainage structure. With expected stormwater conditions and regular maintenance, the Fabco CPS has an expected design life of 15 or more years. This life expectancy is estimated using the International Nickel Co. Inc. published report on the "Corrosion Resistance of the Austenitic Chromium-Nickel Stainless Steels in Chemical Environments".

7.B. Warranty Information

Fabco Industries, Inc., warrants that the Fabco CPS shall be free from defects in materials and workmanship for a period of 10 years from the date of delivery. The warranty coverage requires that the products must be installed in accordance with all site conditions required by state and local codes, applicable product or industry specifications and guidelines, manufacturer's installation recommendations and other applicable laws. Specifically excluded from the warranty are damages arising from ordinary wear and tear, alteration, or repair by anyone other than Fabco Industries, Inc. or under the direction of Fabco Industries inc. Furthermore, damage due to accident, misuse, abuse or neglect, or any other event not caused by Fabco Industries Inc, is also not covered by the warranty.

If a warranty claim is made and determined to be valid, Fabco Industries, Inc., will either repair or replace the product, solely at the discretion of Fabco Industries, Inc. All warranty claims must be submitted, evaluated, and approved by Fabco Industries, Inc., for the claim to be determined to be valid. There are no other warranties either expressed or implied other than what is specifically specified herein.

7.C. Customer Support Information

Fabco customer support can provide technical information and help with any questions regarding Fabco Industries' products. You can reach our customer support service at:

Fabco Industries, Inc.
24 Central Drive
Farmingdale, NY 11735
Phone: (631) 393-6024
Email: sales@fabco-industries.com
Website: fabco-industries.com

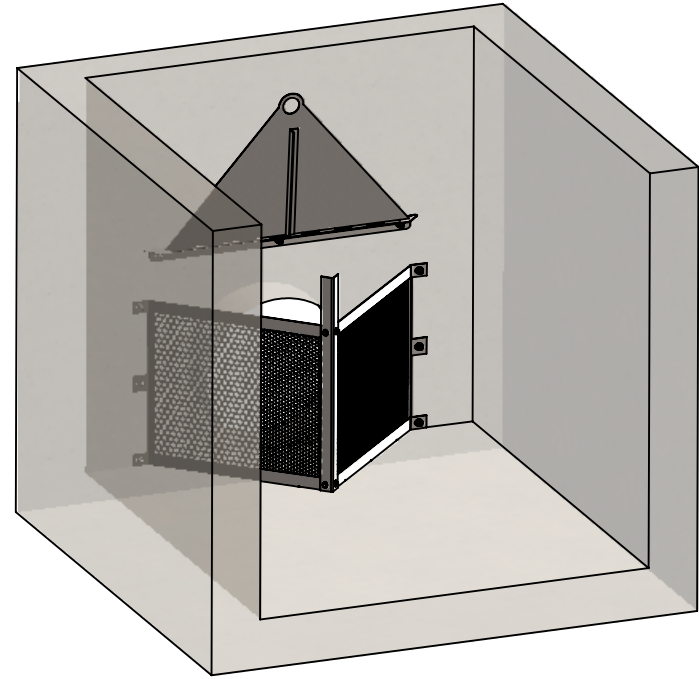
8. Field/Lab Testing Information and Analysis

All sizes of the Fabco CPS utilize a screen with Ø3/16" holes (approximately 4.8 mm). Field/Lab testing is not required for the Fabco CPS. This is because all treated design flow must pass through these screens with 4.8mm holes to enter the outlet pipe, and all particles 5mm in diameter and greater within the treatment flow will be physically blocked from passing through. Existing installations of the Fabco CPS, including project sites in California, have yielded only positive results.

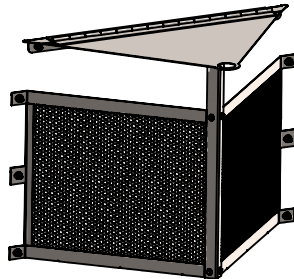
APPENDIX A

NOTES

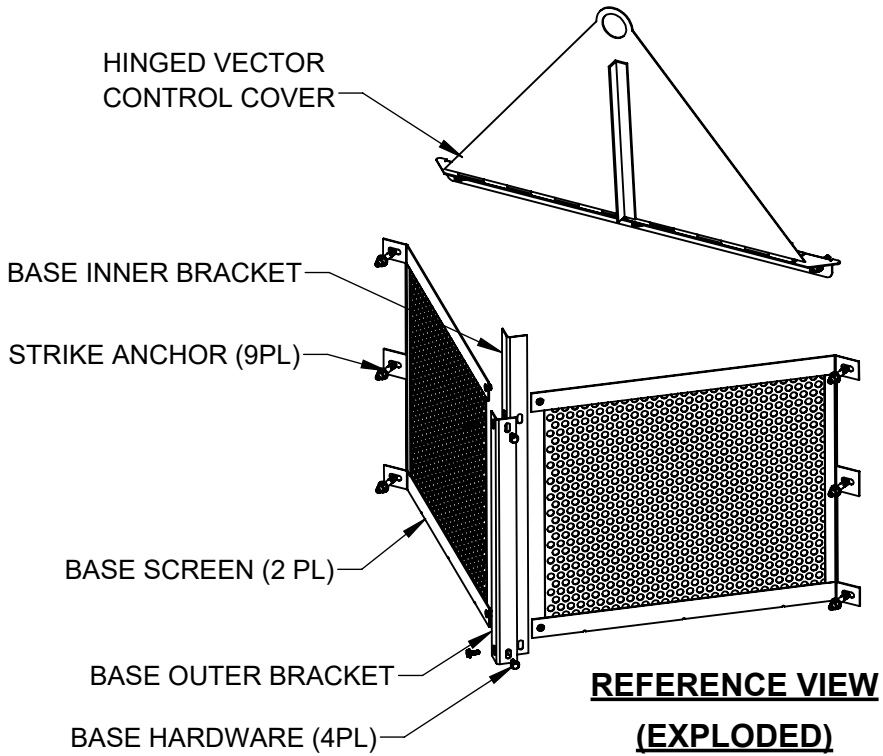
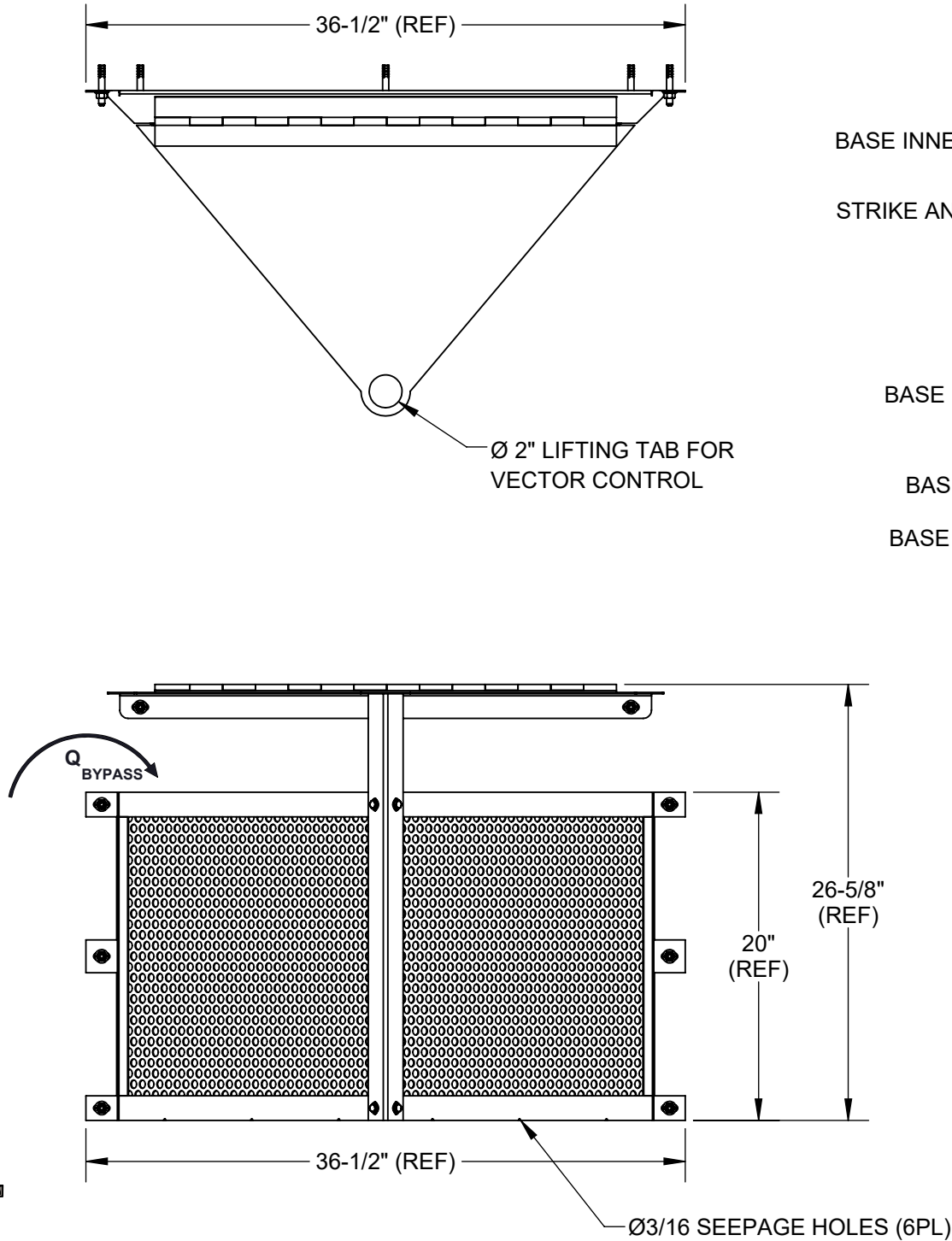
1. WEIGHT:
1. 25 LBS
2. MATERIAL:
1. SCREEN: 14 GA STAINLESS STEEL, 3/16" HOLES, 51% OPEN
2. FRAME: STAINLESS STEEL
3. HARDWARE: STAINLESS STEEL
3. PERFORMANCE:
1. TREATED FLOW RATE: 5115 GPM (11.4 CFS)
2. SCREEN OPEN AREA ≥ OUTLET PIPE AREA
3. BYPASS FLOW RATE: 2870 GPM (6.4 CFS)
4. BYPASS AREA ≥ OUTLET PIPE AREA
4. INSTALLATION:
1. LOOSELY ASSEMBLE THE BASE ASSEMBLY USING THE PROVIDED BOLTS AND WASHERS. POSITION THE CPS BASE AGAINST THE CATCH BASIN WALL AND IN FRONT OF THE OUTLET PIPE. MOUNT USING THE PROVIDED CONCRETE STRIKE ANCHORS. TIGHTEN HARDWARE. PLACE TOP COVER ON BASE, ENSURE THE INNER BRACKET OF THE BASE IS MATED WITH THE TOP'S ACCEPTING SLOT. TOP SHOULD BE PARALLEL WITH THE VAULT FLOOR. MOUNT TO CATCH BASIN WALL USING PROVIDED STRIKE ANCHORS.



REFERENCE VIEW
(LID OPEN, IN VAULT)

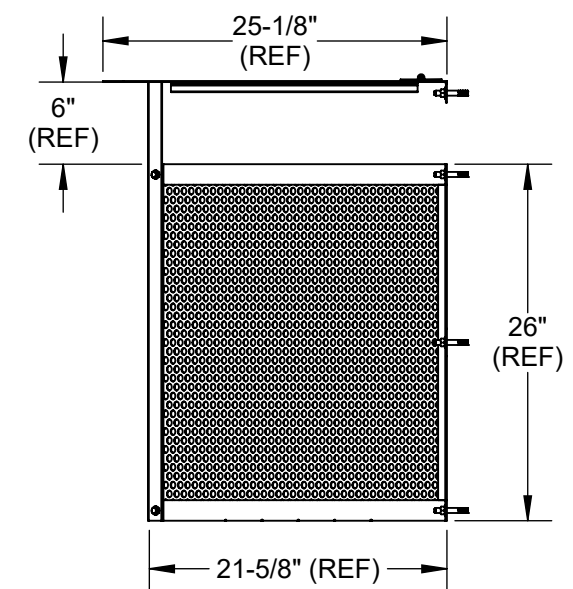
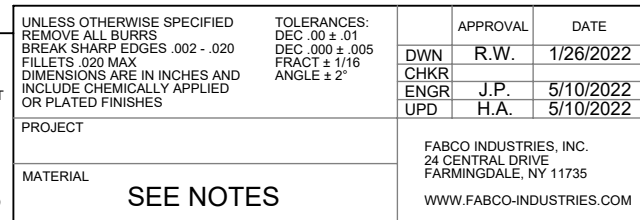
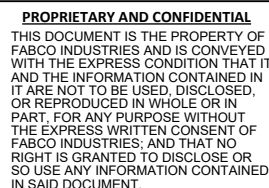
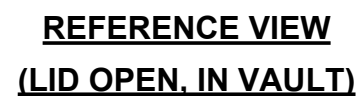


REFERENCE VIEW

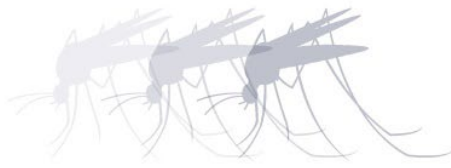


PROPRIETARY AND CONFIDENTIAL THIS DOCUMENT IS THE PROPERTY OF FABCO INDUSTRIES AND IS CONVEYED WITH THE EXPRESS CONDITION THAT IT AND THE INFORMATION CONTAINED IN IT ARE NOT TO BE USED, DISCLOSED, OR REPRODUCED IN WHOLE OR IN PART, FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF FABCO INDUSTRIES, AND THAT NO RIGHT IS GRANTED TO DISCLOSE OR SO USE ANY INFORMATION CONTAINED IN SAID DOCUMENT.		UNLESS OTHERWISE SPECIFIED REMOVE ALL BURRS BREAK SHARP EDGES .002 - .020 FILLETS .020 MAX DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		TOLERANCES: DEC .00 ± .01 DEC .000 ± .005 FRACT ± 1/16 ANGLE ± 2°	APPROVAL	DATE	 CPS LITE FOR 18" OUTLET (VECTOR CONTROL TOP)	
		PROJECT		DWN	R.W.	1/26/2022		
		MATERIAL		CHKR	J.P.	5/10/2022		
		SEE NOTES		ENGR	H.A.	5/10/2022		
		FABCO INDUSTRIES, INC. 24 CENTRAL DRIVE FARMINGDALE, NY 11735 WWW.FABCO-INDUSTRIES.COM		UPD			SCALE: NONE	SHEET 1 OF 1

1. WEIGHT:
 1. 35 LBS
2. MATERIAL:
 1. SCREEN: 14 GA STAINLESS STEEL, 3/16" HOLES, 51% OPEN
 2. FRAME: STAINLESS STEEL
 3. HARDWARE: STAINLESS STEEL
3. PERFORMANCE:
 1. TREATED FLOW RATE: 10,680 GPM (23.8 CFS)
 2. SCREEN OPEN AREA \geq OUTLET PIPE AREA
 3. BYPASS FLOW RATE: 5025 GPM (11.2 CFS)
 4. BYPASS AREA \geq OUTLET PIPE AREA
4. INSTALLATION:
 1. LOOSELY ASSEMBLE THE BASE ASSEMBLY USING THE PROVIDED BOLTS AND WASHERS. POSITION THE CPS BASE AGAINST THE CATCH BASIN WALL AND IN FRONT OF THE OUTLET PIPE. MOUNT USING THE PROVIDED CONCRETE STRIKE ANCHORS. TIGHTEN HARDWARE. PLACE TOP COVER ON BASE, ENSURE THE INNER BRACKET OF THE BASE IS MATED WITH THE TOP'S ACCEPTING SLOT. TOP SHOULD BE PARALLEL WITH THE VAULT FLOOR. MOUNT TO CATCH BASIN WALL USING PROVIDED STRIKE ANCHORS.



APPENDIX B



MVCAC
Mosquito and Vector Control Association of California

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Mr. John Peters
Fabco Industries, Inc
24 Central Drive
Farmingdale, NY 11735

June 14, 2022

Dear Mr. Peters,

Thank you for the submission of the Fabco Connector Pipe Screen full trash capture device for review by the Mosquito and Vector Control Association of California pursuant to the SWRCB Trash Treatment Control Device Application Requirements. The Association has reviewed the conceptual drawings for the Fabco Connector Pipe Screen and verifies that provisions have been included in the design that allow for full visual access to all areas for presence of standing water, and when necessary, allows for treatments of mosquitoes.

While this verification letter confirms that inspection and treatment for the purpose of minimizing mosquito production should be possible with the Fabco Connector Pipe Screen as presented, it does not affect the local mosquito control agency's rights and remedies under the State Mosquito Abatement and Vector Control District Law. For example, if the installed device or the associated stormwater system infrastructure becomes a mosquito breeding source, it may be determined by a local mosquito control agency to be a public nuisance in accordance with California Health and Safety Code sections 2060-2067.

"Public nuisance" means any of the following:

1. Any property, excluding water, that has been artificially altered from its natural condition so that it now supports the development, attraction, or harborage of vectors. The presence of vectors in their developmental stages on a property is prima facie evidence that the property is a public nuisance.
2. Any water that is a breeding place for vectors. The presence of vectors in their developmental stages in the water is prima facie evidence that the water is a public nuisance.
3. Any activity that supports the development, attraction, or harborage of vectors, or that facilitates the introduction or spread of vectors. (Heal. & Saf. Code § 2002 (j).)

Declaration of a facility or property as a public nuisance may result in penalties as provided under the Health and Safety Code. Municipalities and the vendors they work with are encouraged to discuss the design, installation, and maintenance of stormwater trash capture devices with their local mosquito control agency to reduce the potential for disease transmission and public nuisance associated with mosquito production.

Sincerely,

Megan MacNee
MVCAC Executive Director