



June 12, 2023
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 Ready-Fit StormSack for certification as a Full Capture System -Trash Treatment Control Device. The Ready-Fit StormSack is a catch basin insert installed at the grate frame opening of a catch basin to screen and retain any trash, debris, or particles larger than 5 mm in diameter or greater within an easily maintained geotextile sack. The device allows for a flow rate 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 Mosquito Vector Control personnel are easily able to inspect the device without needing to lift grates or perform confined space entry. The Ready-Fit StormSack has been installed and successfully protects waterways in stormwater infrastructure projects nationwide, including in California within the cities of Sacramento and Poway.

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 Ready-Fit StormSack is a full capture trash capture device designed and manufactured by Fabco Industries, Inc. The device is a catch basin insert installed at the grate frame opening of a catch basin. It is comprised of a stainless-steel mounting frame and a polyester mesh sack which is suspended from the frame using the tabs found around the sack and locking clips. When installed the entire surface runoff design flow of a grated catch basin is directed downwards by the steel frame through the polyester mesh sack, capturing any trash 5 mm or larger in diameter. The device is engineered to provide a long-lasting trash capture solution with considerable adjustability.

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:

Justin Cohen
Senior Project Engineer
24 Central Drive
Farmingdale, NY 11735
(631) 393-6024
jcohen@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/ready-fit-stormsack-geotextile-filter/>

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 Ready-Fit StormSack is designed to capture trash using a polyester mesh sack, with $\emptyset 3/16''$ (approximately $\emptyset 4.8\text{mm}$) round openings. When installed within a catch basin, the entire surface runoff design flow is directed through the polyester mesh sack so all trash 5 mm or greater in diameter is physically captured from the peak design flow. No lab testing is required as all trash 5 mm and greater in diameter are physically blocked by the screening material from flowing past. Existing installations of the Ready-Fit StormSack, 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 polyester mesh sack, pressure head measured to the bypass of the device, and a standard coefficient of discharge of 0.62 for the orifice equation.

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

The Ready-Fit StormSack is available in standard sizes for various grate inlet sizes. Accessibility within an installation site is taken into high consideration and all designs ensure the greatest ease of installation at each site. A mandatory vector control viewing port is ensured for all Ready-Fit StormSack units installed in California to allow access to the bottom of catch basins by Mosquito Vector Control Personnel without the need for lifting grates or confined space entry.

Regular maintenance is necessary for the Ready-Fit StormSack to function properly. Fabco typically suggests maintenance be scheduled twice a year, but true necessary maintenance frequency will depend on site-specific conditions. The applicable Municipal Stormwater permit may specify more frequent maintenance intervals as well. The filtered flowrate of the Ready-Fit StormSack is designed to completely screen at least the trash treatment peak design flow. Ready-Fit StormSack units are sized to trap trash 5 mm or greater in diameter for flows generated from the 1 year, 1 hour storm. In addition, Ready-Fit StormSack units are sized to maintain hydraulic capacity prior to required maintenance as specified in the applicable Municipal Stormwater permit. Fabco Industries recommends the use of a vacuum truck to most easily clean captured trash within the catch basin insert.


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

Ready-Fit StormSack units have been installed for stormwater management projects throughout California and nationally. Below are some example current install sites within the state of California:

Current Install Sites	
Project	Contact
Sacramento, CA	Patrick Murphy Area Sales Manager Ferguson Waterworks, Geo & Stormwater Solutions Phone: 916-402-3210 Email: Patrick.Murphy@ferguson.com
Poway, CA	

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

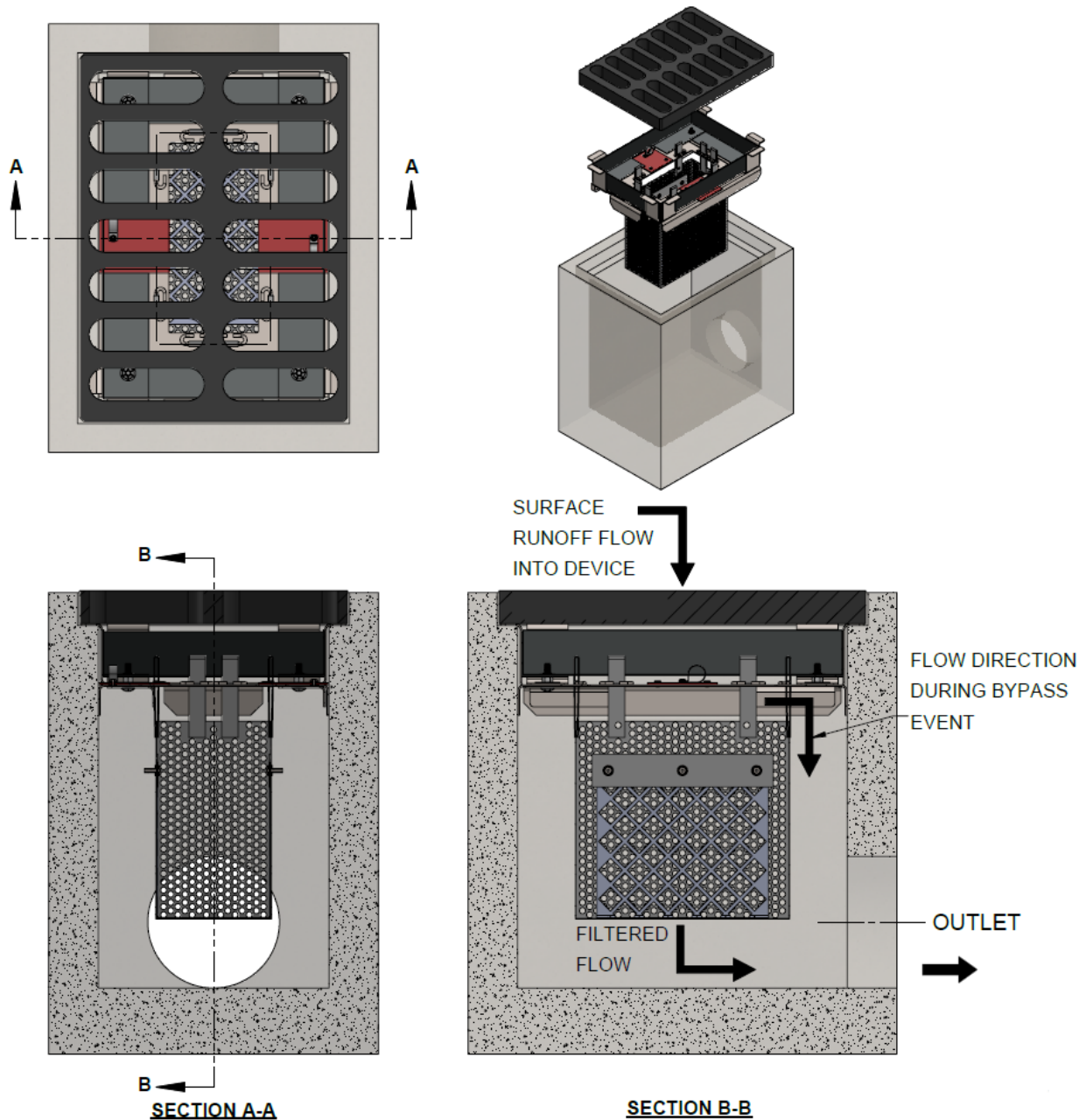
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3. Physical Description

3.A. Trash Capture

The primary component of the Ready-Fit StormSack that captures trash 5 mm or greater in diameter is the polyester mesh sack with $\varnothing 3/16''$ (approximately $\varnothing 4.8\text{mm}$) round openings. During a storm event the entire design flow is directed through the mesh sack downwards, trapping any trash 5mm or greater in diameter within the sack and allowing water to flow past into the bottom of the catch basin. Below is a diagram of the device installed with notes showing how design flow is directed through the device and down towards downstream stormwater infrastructure:



3.B. Peak Flows/Trash Volumes

Please see the table within Section 3.C. for the hydraulic capacity and recommended max trash storage volume of four common standard size Ready-Fit StormSack units. The Ready-Fit StormSack is designed to ensure the available waterflow area is greater than or equal to the open area of the catch basin outlet pipe opening. This is to ensure that all trash 5 mm or greater in diameter is trapped for the peak design flow. The area of the bypass opening is also designed to be equal to or greater than the area of the catch basin outlet pipe opening. Maximum trash volume is equal to the total open volume inside the mesh sack, with height up to the bypass opening.

3.C. Hydraulic Capacity

Ready-Fit StormSack Standard Unit Sizes (Grate Min to Grate Max)	Hydraulic Capacity					Recommended Max Trash Storage Volume (CF)
	Filtered Flow Rate				Bypass Flow Rate (CFS)	
	Empty (CFS)	25% Full (CFS)	50% Full (CFS)	75% Full (CFS)		
16" x 16" to 28" x 28"	0.9	0.675	0.45	0.225	1.0	0.3
22" x 22" to 34" x 34"	1.8	1.35	0.9	0.45	2.1	1.2
28" x 28" to 40" x 40"	2.9	2.175	1.45	0.725	3.2	2.5
34" x 34" to 46" x 46"	4.1	3.075	2.05	1.025	4.4	4.3

The orifice equation below is used to calculate the hydraulic capacity of each Ready-Fit StormSack Unit:

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

where,

Q = flow rate [in³/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 [in²] = area of screen [in²] * % open area

g = acceleration from gravity [in/s²]

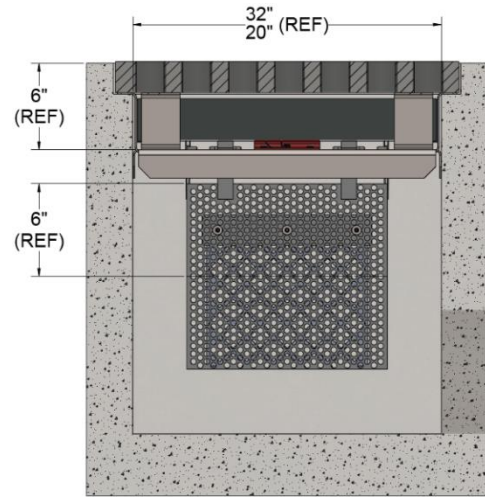
h = head acting on centerline of each screening window [in]

Example Calculation of Empty Filtered Flow Rate for a Ready-Fit StormSack for Grate Size 22-34" x 22-34":

$$Q_1 = (0.62) * (61.39[in^2] * 60\%) * \sqrt{2 * \left(386.4 \left[\frac{in}{s^2}\right]\right) * (6.0[in])}$$

$$Q_1 = 1,555 \left[\frac{in^3}{s}\right] \div 1,728$$

$$Q_1 = 0.9 [CFS]$$



REFERENCE VIEW

3.D. Comparison Table

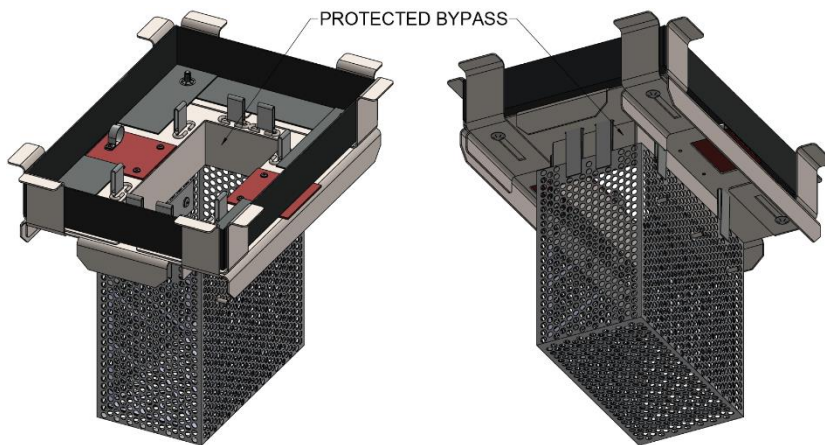
Please see table in Section 3.C. for hydraulic capacity of four common sizes of the Ready-Fit StormSack.

3.E. Design Drawings

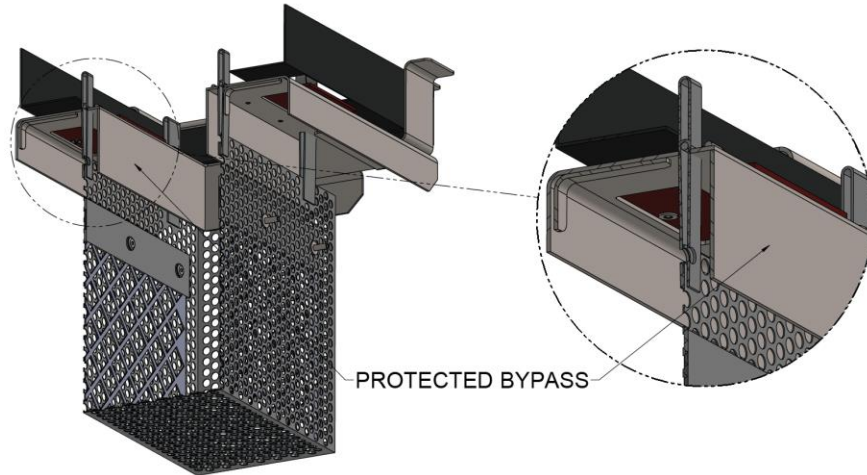
Please refer to Appendix A for a representative design drawing of a 16" x 22" to 28" x 34" Ready-Fit StormSack

3.F. Alternative Configurations

The Ready-Fit StormSack can be purchased with the addition of a feature called a protected bypass. The protected bypass is made up of four steel plates which are welded as part of the Ready-Fit StormSack frame. These plates act as inverted weir walls to the normal bypass openings. The protected bypass prevents any captured floatable trash greater than 1" in diameter from being re-introduced to the downstream stormwater infrastructure during a bypass event. The protected bypass does, however, slightly restrict the normal bypass opening. Below is a table of bypass flow rates with the protected bypass for standard size Ready-Fit StormSack Units, as well as reference images of the Ready-Fit StormSack with protected bypass:



Ready-fit StormSack Sizes (Grate Min to Grate Max)	Bypass Flow Rate w/ Protected Bypass (CFS)
16"x16" to 28"x28"	Protected Bypass not available for this item
22"x22" to 34"x34"	1.6
28"x28" to 40"x40"	2.3
34"x34" to 46"x46"	4.4



3.G. Internal Bypass

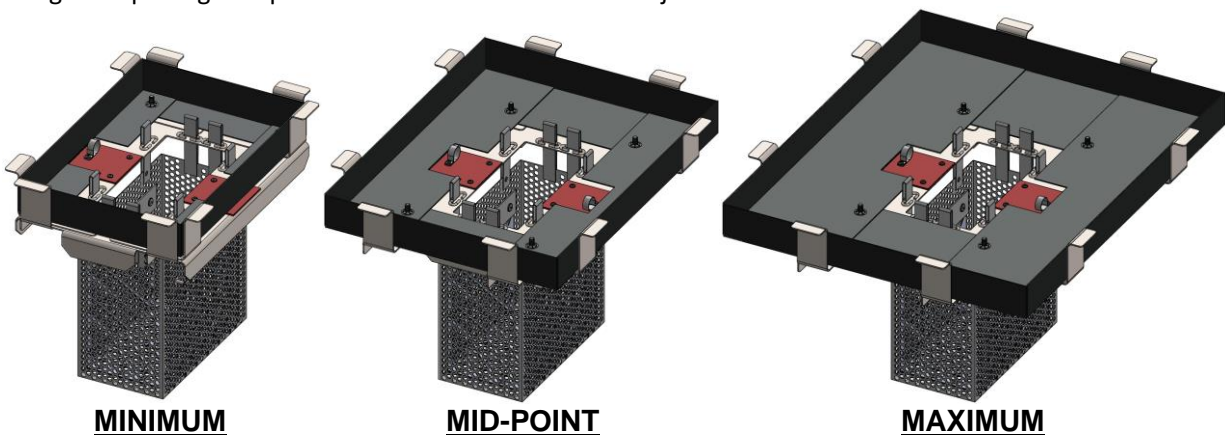
The bypass of the Ready-Fit StormSack is found above the polyester mesh sack of the Ready-Fit StormSack and below the mounting frame of the device. The bypass openings of the Ready-Fit StormSack are made up of gaps between the tabs on the polyester mesh sack that attach the sack to the center support plate. The open area available from those gaps is designed to allow for a flow rate greater than that of the empty polyester sack. The Ready-Fit StormSack is engineered to filter at least the trash treatment peak design flow. Thus, the bypass opening of the Ready-Fit StormSack 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

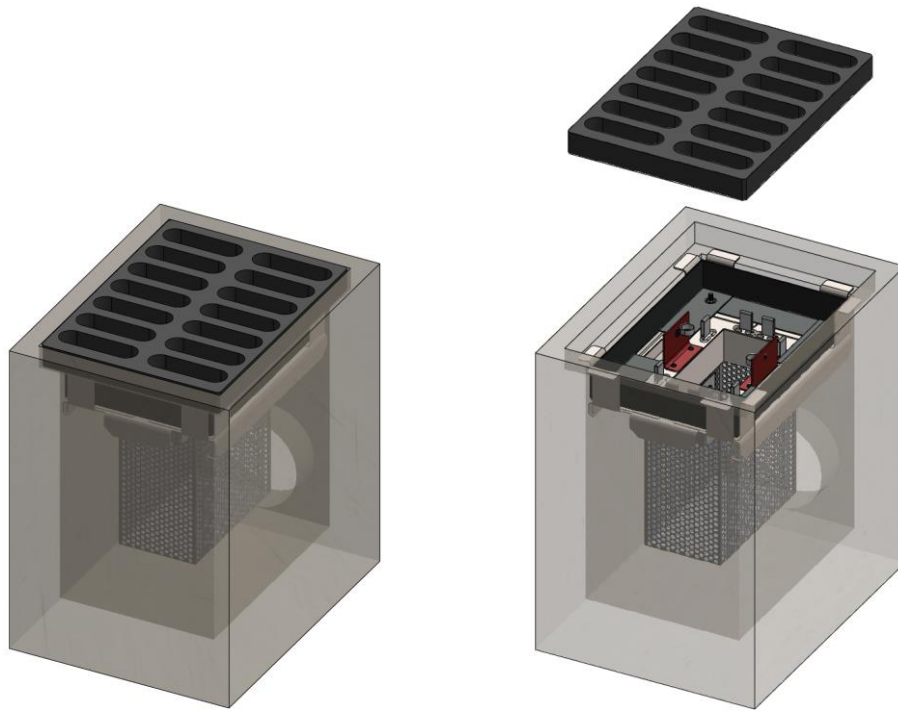
The only scenario in which previously trapped trash can be re-introduced to the downstream stormwater infrastructure is if there is floating trash which rises above and through the bypass opening when a bypass flow scenario occurs as explained in Section 3.G.

3.I. Calibration Feature

The Ready-Fit StormSack has a mounting frame with slotted flanges which adjust to allow 12" of adjustability in the length and width dimensions. Before inserting the Ready-Fit StormSack into a catch basin, the flanges are to be adjusted to the dimensions of the catch basin opening. To adjust the flanges, a 7/16" socket wrench or equivalent tool can be used to loosen the hex nuts securing each flange. The flanges can then be slid into the necessary position and the hex nuts can be re-tightened to secure the flanges in place. The provided corrugated splash guard pieces are then to be cut to the adjusted size.

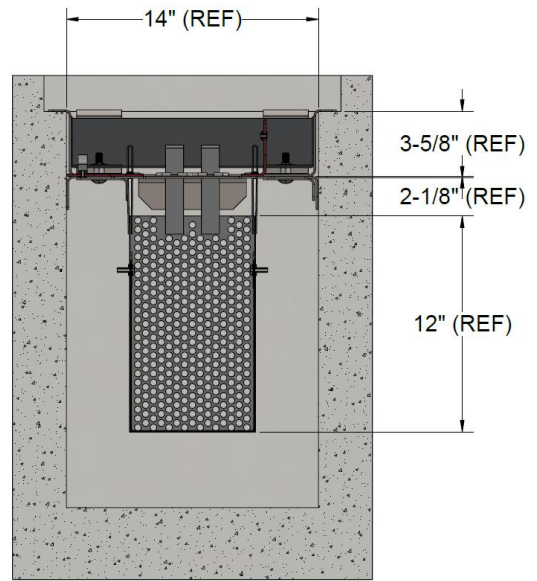
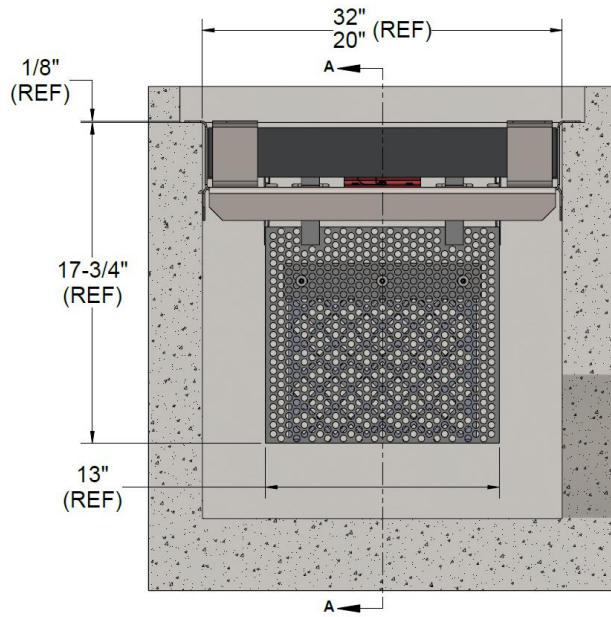


3.J. Photos



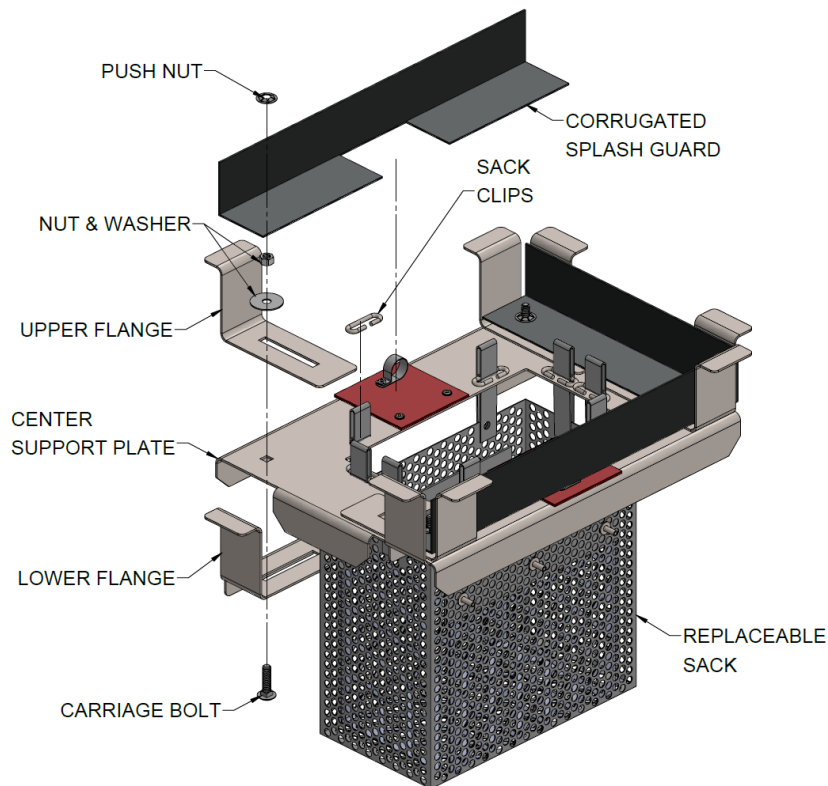
INSTALLED

GRATE LIFTED



SECTION A-A

3.K. Material Type



(NOTE: ONE SPLASH GUARD HIDDEN FOR CLARITY)

Below is a list of all materials which comprise the Ready-Fit StormSack and where the materials are used on the device:

- Center Support Plate: 2.5mm Thick Stainless-Steel Sheet Metal
- Flanges: 2.5mm Thick Stainless-Steel Sheet Metal
- Corrugated Splash Guard: 5mm Thick Corrugated Polypropylene Sheet
- Mesh Sack: Polyester Mesh with $\varnothing 3/16''$ (approximately $\varnothing 4.8\text{mm}$) Round Openings
- Mesh Liner: High Density Polyethylene
- Support Clips: $\varnothing 3/16''$ Zinc-Plated Steel Clips
- Vector Control Flap: $1/8''$ Thick Neoprene Rubber
- Vector Control Hooking Point: Stainless Steel Loop
- Hardware: 18-8 Stainless Steel Carriage Bolts, Flat Washers, Hex Nuts, and Push-Nuts.

3.L. Design Life

With expected stormwater conditions and regular maintenance, the Ready-Fit StormSack has an expected design life of approximately 10 years.

4. Installation Guidance

4.A. Standard Device Installation Procedures and Considerations

General Note: Installation should be performed by qualified personnel only. Be sure to follow the proper road safety precautions in accordance with local regulations. The Ready-Fit StormSack was designed to fit in most drains with little measuring required. As such, the following installation instructions should be used as a guideline only. The installer should take whatever steps necessary to secure the filters in place to insure proper function. Standard installation of a Ready-Fit StormSack follows the procedure steps below:

Safety: Set up proper safety precautions in accordance with local regulations. Use Traffic Cones to block off the work area. Wear protective gear such as a hard hat, eye protection, kneepads, etc.

Step 1: Unpack, separate, and verify that all the components are accounted for and undamaged. This kit should include the following:

- Center Support Plate (1-pc)
- Upper Flanges (4, 6, or 8-pcs depending on part number)
- Lower Flanges (4-pcs)
- Geotextile StormSack (1-pc)
- Sack Clips (8, 12, or 16-pcs depending on part number)
- Corrugated Splash Guards (4-pcs)
- Hardware: Carriage Bolts, Washers, Hex Nuts, Push-Nuts

Step 2: Using the hardware provided, attach the Upper and Lower Flanges to the Center Plate. Leave bolts snug, but not tight, so that final adjustments can be made by sliding the flanges in or out as necessary.

Step 3: Attach the geotextile StormSack to the Center Plate by sliding each of the sack loops through the matching slot in the plate. Secure the sack to the plate with the sack clips provided.

Step 4: Measure the clear opening of the catch basin frame and slide the Upper and Lower Flanges into position so each flange rests securely on the grate support ledge. Lower the Ready-Fit unit into the inlet frame so that all the flanges are securely resting on the grate support ledge. If necessary, tap each flange outward to maximize the flange contact area with the support ledge. Tighten the bolts to lock each flange in place.

Step 5: Corrugated Plastic Splash Guards are provided and can be trimmed onsite to help divert the inlet water into the geotextile StormSack. Each Splash Guard is provided with a fold, or bend-line approximately 3" from the long end. When installed, this fold should be located against the flanges and elbow upward, so the 3" tab is vertically against the inside face of the flanges. Using a utility knife, trim the length and width of each corrugated panel to fit snugly between the flanges and the sack support clips as shown. To secure the Splash Guards in place, push down firmly on the sheet to create marks in the plastic just over the flange carriage bolts. Cut a small X in each of these marked locations. Then, secure the Splash Guards in place by pushing each down onto the frame allowing the treads of the bolts to protrude through the sheets and lock them in place using the push-nuts provided.

Step 6: Carefully replace and secure all storm grates and clean work area making sure not to leave behind any tools or objects that may cause a traffic hazard or pedestrian tripping hazard.

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

Installation of a Ready-Fit StormSack may be limited by the existing protrusions within a catch basin and/or the lack of grate support ledges. 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 the design of the Ready-Fit StormSack cannot change.

4.C. Methods for Diagnosing and Correcting Installation Errors

Once installed, ensure a proper installation by performing a visual inspection of the entire installed unit. Confirm the device is centered within the catch basin and is sitting securely on the grate support ledges. If the Ready-Fit StormSack does not fit securely within the catch basin, clear the opening, remove it, and reinstall it again following the instructions in Section 4.A. If issues persist, contact Fabco sales support 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

Safety Precautions: The Ready-Fit storm drain filter should be maintained by trained individuals who are familiar with local traffic safety regulations and disposal procedures. If working in the street, proper safety equipment should be worn, including but not limited to a hardhat, vest, gloves and eye protection, and all local traffic safety rules & regulations should be followed.

Inspecting the Ready-Fit: To maintain the efficiency of the Ready-Fit stormwater filter, regular maintenance is necessary. Fabco Industries advises inspecting the unit every six months, following the steps outlined below. It's important to note that inspection and cleaning should only take place after 24 hours of no rainfall. It's also recommended to periodically examine the surrounding areas for pollutants, such as oil or paint dumping, minor spills, and leaks from dumpsters, and take the appropriate measures to have the source removed.

To begin the inspection, remove the storm grate to gain full access to the Ready-Fit filter unit. Be cautious, as grates can be quite heavy, and a lifting mechanism is recommended. Use a battery-powered flashlight or droplight to conduct a thorough visual inspection, checking for heavy sediment, debris loading, and trash.

Certain signs indicate that cleaning or filter replacement is necessary. These include standing water in the Ready-Fit sack, inability to see the filter unit due to sediment, trash, or debris, and damage to the sack, such as abrasions, tears, or punctures. If any of these signs are present, make a note of your observations and comments on a maintenance log sheet. It may also be useful to take digital photographs or sketches to maintain accurate historical records.

5.B. Description of Maintenance Frequency Considerations

The Ready-Fit device needs regular cleaning, but determining the appropriate cleaning intervals is not an exact science. Typically, smaller units and installation sites with more sediment or vegetation require more frequent maintenance. Fabco Industries suggests cleaning the unit(s) at least twice annually by manually removing debris, sand, and silt or using a vacuum-assisted device. In situations where there is a greater amount of sediment or vegetation at the installation site, it may be advisable to increase the cleaning frequency of the unit(s) beyond the recommended bi-annual cleaning schedule suggested.

5.C. Maintenance Procedures

Step 1: To access the Ready-Fit unit, carefully remove the storm grate and place it in a designated safe area. Assess whether removing the unit is required for cleaning. If removal is necessary, lifting straps are provided as an integral part of the replaceable StormSack. While lifting the Ready-Fit out of the storm drain, it is essential to ensure that at least two workers lift evenly to prevent injury or damage to the filter assembly.

Step 2: For deep cleaning, rinse the filter unit with a high-pressure hose to dislodge and remove sediment and debris that may be clogging the geotextile fabric and restricting flow. If a high-pressure hose is not available, a stiff scrub-brush can be used instead. If necessary, replace the StormSack by simply removing the strap clips to release.

Step 3: After completing the maintenance work on the Ready-Fit, ensure that the unit is reinstalled correctly if it was removed, and confirm that all flanges are securely resting on the grate support ledges to guarantee proper functioning. If required, record any pertinent observations or comments about the maintenance on a maintenance log sheet.

Step 4: As a final step, and before reinstalling the storm grate, be sure to thoroughly clean the work area making sure not to leave behind any tools or objects that may cause a traffic hazard or a pedestrian tripping hazard. Reinstall the storm grate making sure it is seated properly on the frame.

Disposal: Proper handling and disposal of all captured liquid, oils, sediment, debris, trash, and other accumulations from the Ready-Fit unit must comply with local, state, and federal regulations. As part of a well-planned and scheduled maintenance regime, disposal considerations should be considered. Generally, solid waste disposal can be arranged with a local landfill, while 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 Ready-Fit StormSack:

- Proper safety equipment including but not limited to hard hats, safety vests, gloves, kneepads, and eye protection.
- Any required traffic control equipment.
- A battery powered flashlight or drop light.
- Shovels and buckets or industrial vacuum.
- Pressure washer (optional).
- Storm grate 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 Ready-Fit StormSack, the full trash and debris capacity of the Ready-Fit StormSack can be reached causing a bypass event when a rainstorm occurs. During a bypass event, debris and trash will flow past the Ready-Fit StormSack system and discharge into any downstream stormwater infrastructure or water body. Deferred maintenance will not affect the structural integrity of the Ready-Fit StormSack.

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

If during inspection or maintenance of the Ready-Fit StormSack 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 and technical support team can then assess the damage and suggest a repair plan or begin a warranty repair or replacement.

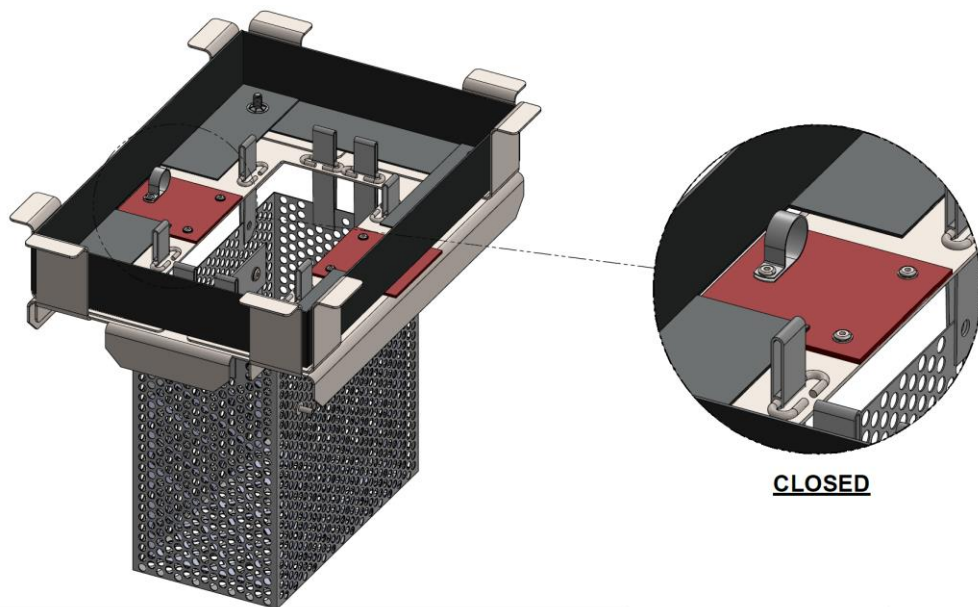
6. Vector Control Accessibility

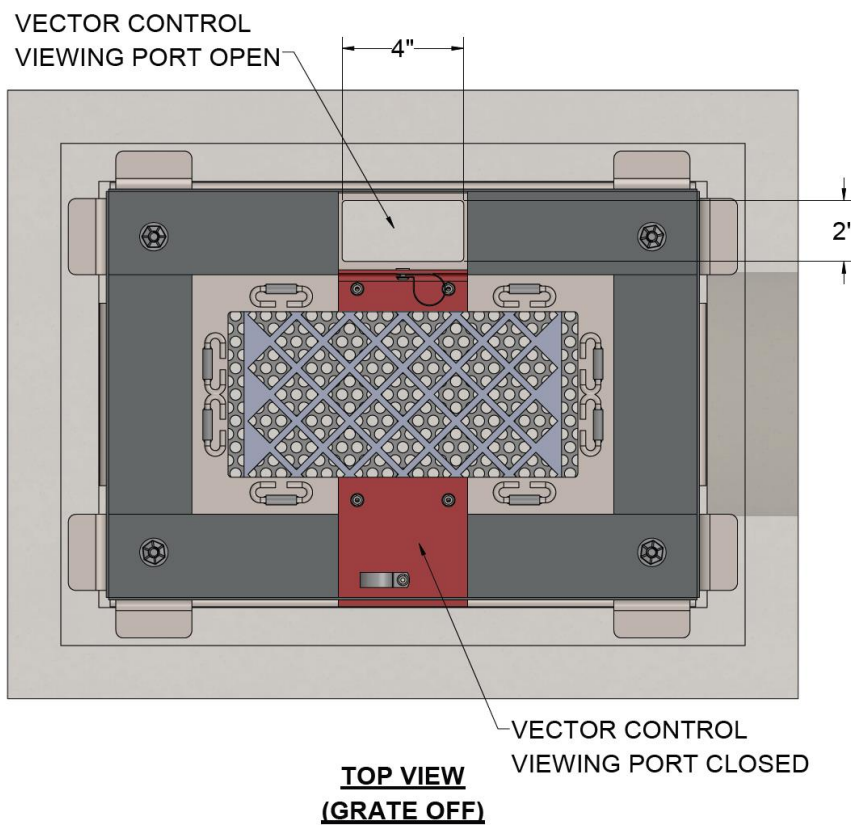
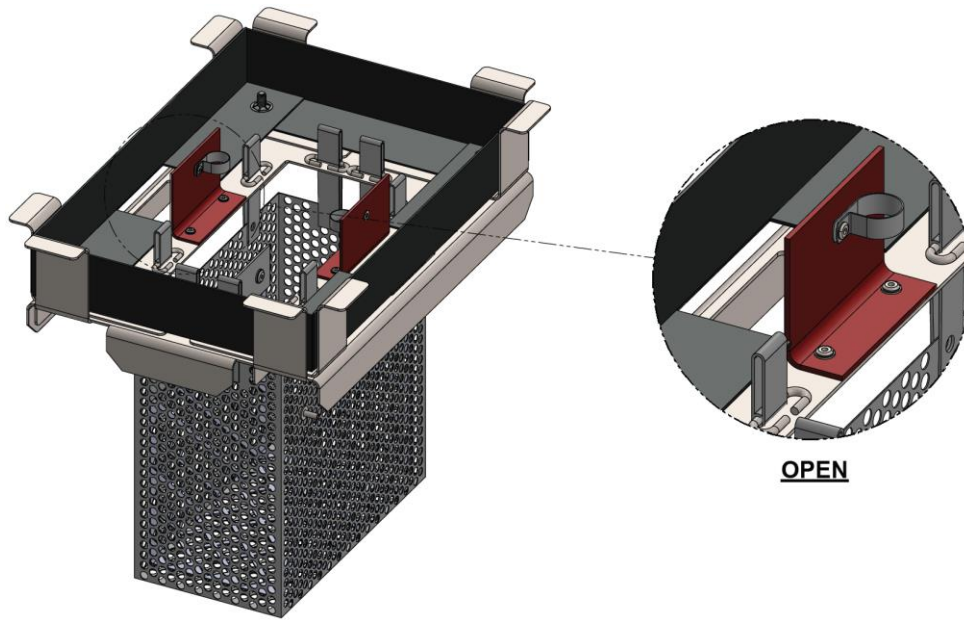
6.A. Date of Application Submittal to Mosquito Vector Control Association

Application to the Mosquito and Vector Control Association of California (MVCAC) for the Fabco StormSack was submitted on May 15, 2023, and a letter of verification was received on June 12, 2023. See Appendix B for the MVCAC verification letter.

6.B. Description of Access for Vector Control Personnel

The Ready-Fit StormSack features two vector control viewing ports allowing for easy access by Vector Control personnel without requiring any confined space entry or lifting of grates. The view ports are self-closing rubber flaps located on two sides of the Ready-Fit StormSack. They can be accessed from above the Ready-Fit StormSack while a catch basin grate is over the unit. The rubber flaps can be pulled open upward with a tool. When open, the 4” x 2” view port opening allows visual and physical access to the bottom of the catch basin for inspection or treatment by Mosquito Vector Control personnel.





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 Ready-Fit StormSack.

7. Reliability Information

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

The life expectancy of the Ready-Fit StormSack is estimated by consideration of the materials used to fabricate the Ready-Fit StormSack. With expected stormwater conditions and regular maintenance, the Ready-Fit StormSack has an estimated design life of 10 years.

7.B. Warranty Information

Fabco Industries, Inc., warrants that the Ready-Fit StormSack 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

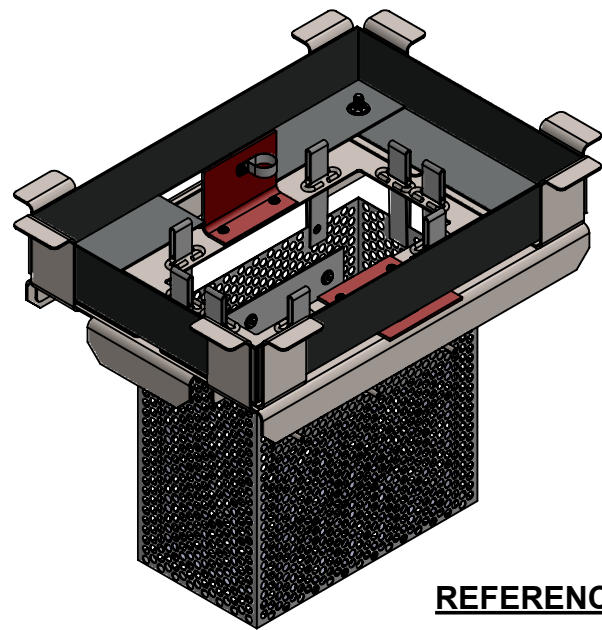
The entire design flow must flow through the polyester sack so all trash larger than 5 mm are captured from the peak design flow. Field/Lab testing is not required for the Ready-Fit StormSack. All treated design flow must pass through the sack to enter the outlet pipe, and as such all trash 5mm or larger in diameter within the treatment flow will be physically blocked from passing through. Existing installations of the Ready-Fit StormSack, including project sites in California, have yielded only positive results.

APPENDIX A

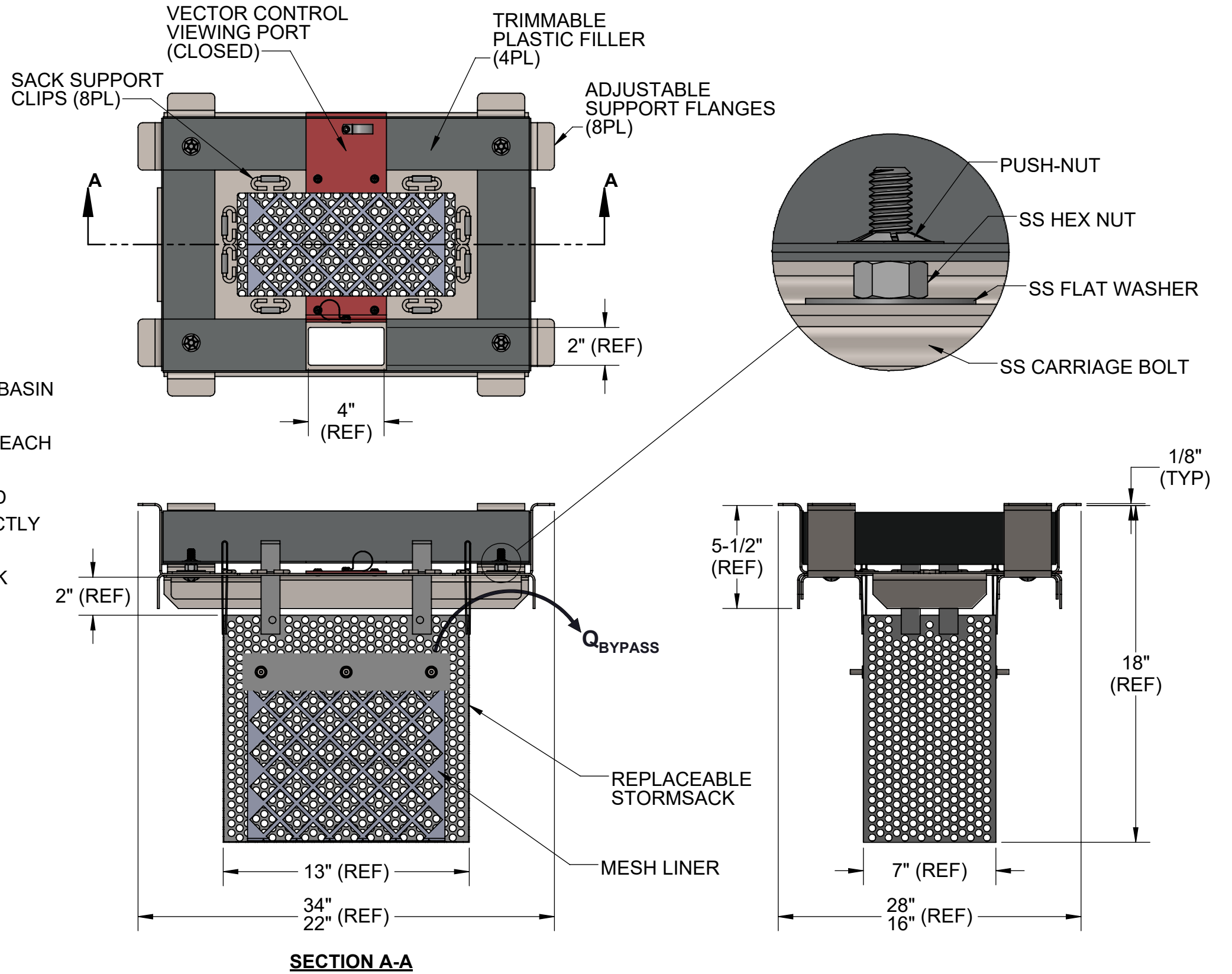
NOTES:

1. TOTAL WEIGHT, EMPTY: 18 LBS (MAX)
2. MATERIALS:
 1. FRAME AND FLANGES: STAINLESS STEEL
 2. STORMSACK: POLYESTER MESH, 3/16" HOLES
 3. HARDWARE: STAINLESS STEEL
 4. TRIMMABLE PLASTIC FILLER: POLYPROPYLENE
3. PERFORMANCE CHARACTERISTICS:
 1. DEBRIS CAPACITY: 0.6 CU. FT
 2. FILTERED FLOWRATE: 580 GPM (1.3 CFS)
 3. BYPASS FLOWRATE: 715 GPM (1.6 CFS)
4. GRATE SIZE RANGE:
 1. MINIMUM SIZE: 16" X 22"
 2. MAXIMUM SIZE: 28" X 34"
5. TYPICAL INSTALLATION:

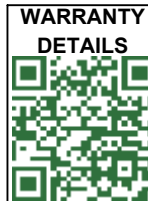
CAREFULLY REMOVE THE STORM GRATE, MEASURE CATCH BASIN FRAME CLEAR OPENING AND ADJUST FLANGES TO REST ON GRATE SUPPORT LEDGE. INSTALL STORMSACK AND VERIFY EACH FLANGE IS SECURE AND THE UNIT IS SNUG WITH LITTLE MOVEMENT IN THE DRAIN. TRIM PLASTIC FILLER TO SIZE AND INSTALL TO FILL GAPS. REINSTALL THE STORM GRATE DIRECTLY ON THE STORMSACK ADJUSTABLE SUPPORT FLANGES.
6. RECOMMENDED MINIMUM VAULT DEPTH 2" BELOW STORMSACK
7. REPLACEMENT STORMSACK P/N: RFS1622-2834-1-120B



REFERENCE VIEW



SECTION A-A



ENGINEER AND CONTRACTOR NOTE: FABCO INDUSTRIES WATER QUALITY INSERTS (WQIS) ARE MANUFACTURED TO PROPERLY FIT INLETS BY USING SPECIFIC INFORMATION COMPILED IN A SURVEY OF THE "AS-BUILT" INLET. IN RETROFIT SITUATIONS THE SURVEY IS DONE TO DOCUMENT THE THREE CRITICAL ASPECTS OF WQI DESIGN (GRATE/FRAME MEASUREMENTS, OPEN/CLEAR SPACE MEASUREMENTS, AND PROTRUSION MEASUREMENTS). IN NEW CONSTRUCTION, FABCO PRODUCT DRAWINGS ARE ESSENTIALLY PLACE HOLDERS BASED ON THE SPECIFIED INLETS. ONCE THE INLETS ARE BUILT, THE PROCESS REVERTS TO THE RETROFIT APPROACH OF SURVEYING THE AS-BUILT INLETS TO CONFIRM FABCO INSERT DESIGN. PLEASE USE THE QR CODE TO ACCESS THE SURVEY FORM AND COMPREHENSIVE GUIDANCE OF THE SURVEY PROCESS. ALTERNATIVELY, NAVIGATE TO www.fabco-industries.com/stormwater-inlet-survey-assistance

PROPRIETARY AND CONFIDENTIAL
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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°

PROJECT: SEE NOTES

APPROVAL	DATE
DWN J.C.	4/21/2023
CHKR J.P.	4/21/2023
ENGR	
UPD	

FABCO INDUSTRIES, INC.
24 CENTRAL DRIVE
FARMINGDALE, NY 11735
WWW.FABCO-INDUSTRIES.COM

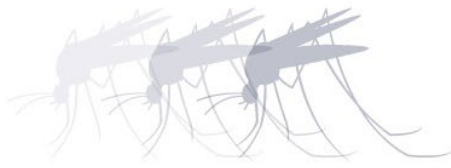
fabco
industries inc

READY-FIT STORMSACK FOR
GRATE SIZE: 16-22" X 28-34"

SIZE	DWG. NO.	REV
B	RFS1622-2834-1-000	A

SCALE: NONE SHEET 1 OF 1

APPENDIX B



MVCAC
Mosquito and Vector Control Association of California

One Capitol Mall, Suite 320 • Sacramento, CA 95814 • p: (916) 440-0826 • f: (916) 444-7462 • e: mvcac@mvcac.org

Mr. Hime Athar
Fabco Industries, Inc
24 Central Drive
Farmingdale, NY 11735

June 12, 2023

Dear Mr. Athar,

Thank you for the submission of the Fabco Ready-Fit StormSack 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 Ready-Fit StormSack 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 Ready-Fit StormSack 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