

# ENGINEERING COMMUNIQUÉ



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GET, CPD-EMMERITUS, FASPE

LAUNDRY ROOM  
YOU GOTTA KNOW  
WHEN TO HOLD EM  
WHEN TO FOLD EM  
WHEN TO WALK AWAY  
& WHEN TO RUN



## TOPICS:

- LINT INTERCEPTOR
- 8910, SQ-2-3088, SQ-9-3615/SQ-TD-0203 SUBMITTALS
- SQ-TD-0850, SQ-TD-0884, SQ-TD-0746 DRAWINGS
- MISC. IMAGES OF LINT TROUGH INSTALLATIONS

## LINT INTERCEPTOR

If you worked for or have been around any type of laundry, lint is a daily fact of life. There is washer lint and dryer lint. Both are different in some respects but in a commercial laundry, washer lint should be extracted to eliminate the possibility of a full or partial clogging of the drainage pipe. Washer lint is wet, therefore; it mainly accumulates in one location as a clog. Commercial, institutional, hotel, club or other commercial type laundry equipment requires a lint interceptor.

Lint is created by degradation over time of the material being laundered. Chemicals in the wash liquid and the mechanical action of washers (and

dryers) gradually erode fabrics. Besides these small particles of fabric, there are buttons, string, paper, solid items left in pockets, debris, and mud/dirt attached to the clothing discharged into the building sewer.

### ICC/IPC: 1003.6 CLOTHES WASHER DISCHARGE INTERCEPTOR.

Clothes washers shall discharge through an interceptor that is provided with a wire basket/screen or similar device, removable for cleaning, that prevents passage into the drainage system of solids ½ inch (12.7 mm) or larger in size, string, rags, buttons or other materials detrimental to the public sewage

system. Residential clothes washers are excluded from this requirement.

**IAPMO/UPC: 1012.1 COMMERCIAL AND INDUSTRIAL LAUNDRIES.**

Laundry equipment in commercial and industrial buildings that do not have integral strainers shall discharge into an interceptor having a wire basket or similar device that is removable for cleaning and that will prevent passage into the drainage system of solids ½ of an inch (12.7 mm) or larger in maximum dimensions, such as strings, rags, buttons, or other solid materials detrimental to the public sewerage system.

Lint interceptors are sized according to the number of commercial washers installed which possibly could be discharged simultaneously. This simultaneous concern is for both self- service and private commercial laundries.

Jay R. Smith lint interceptors are designed with two lint screens. The primary and secondary screens are stainless steel construction and removable for cleaning purposes. The outlet connection is lower than the inlet connection. It is recommended to offset the outlet piping up at a 45° angle. This serves two purposes: (1) it prevents lighter objects that pass through the screens and float on the water surface from sinking into the outlet pipe and passing through to the sanitary drainage system, (2) it creates a liquid seal that serves as a trap, preventing sewer gases from entering the building through the interceptor.

There are installations where the standard 8910 units cannot be installed. In these instances, an open trough located behind the washers is utilized. Grates can also be provided. This trough can be flat or sloped but the volume must be large enough to handle a simultaneous discharge. Jay R. Smith has several stainless-steel lint trough designs. Whether using the standard unit or a trough style, Smith can also create a special design to fit the physical size requirements and discharge volume required.

The screens on all units must be cleaned periodically. The frequently of cleaning is dependent upon the volume of use by the washers. The cleaning frequency will have to be determined by the end user.

**Please refer to the following submittal drawings!**

***NEXT UP...***

***8910, SQ-2-3088, SQ-9-3615/SQ-TD-0203 SUBMITTALS  
SQ-TD-0850, SQ-TD-0884, SQ-TD-0746 DRAWINGS  
MISC. IMAGES OF LINT TROUGH INSTALLATIONS***

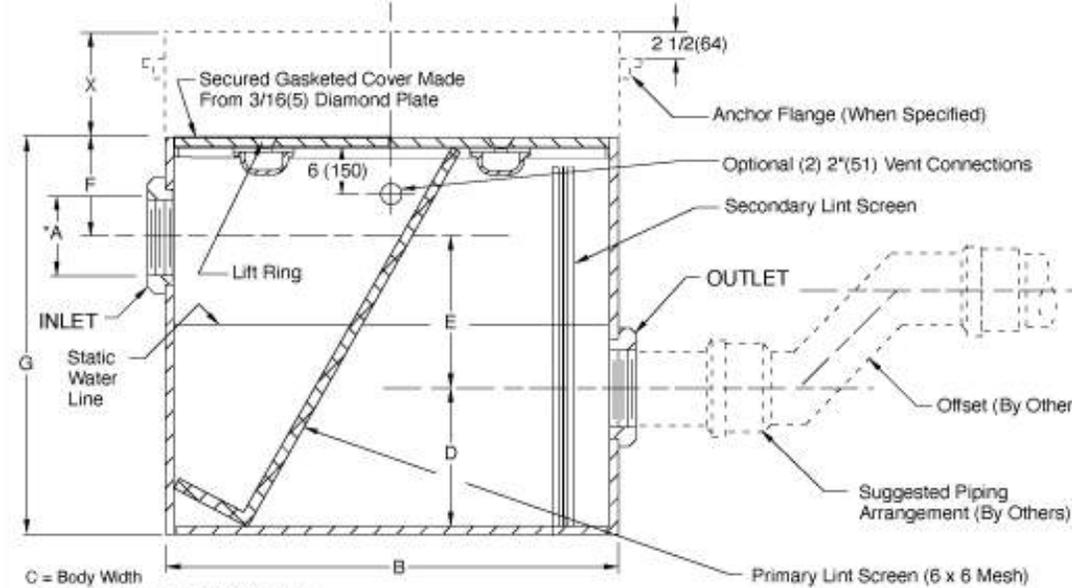
**SMITH® JAY R. SMITH MFG. CO.®**  
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MEMBER OF:

**LOCATION**

## LINT INTERCEPTORS

S  
DRAWING NUMBER  
**S8910**  
SIZE  
**A**  
SCALE  
**NONE**  
DATE  
**12-1-87**  
APPROVED BY  
**SJM**  
CHECKED BY  
**VGD**  
DRAWN BY  
**CMB**



C = Body Width  
X = Specify Additional Height Required

Fig. No.	GPM Flow Rate	Maximum Number Of Washers	* Inlet & Outlet Size	Dimensions							Securing Screws In Cover
				Body			Roughing Dimensions				
				A	Length	Width	D	E	F	G	
8910-20	20	2	04 (100)	30 (760)	24 (610)	12 (305)	12 (305)	8 (205)	32 (813)	8	
8910-25	25	3	04 (100)	36 (915)	24 (610)	12 (305)	12 (305)	8 (205)	32 (813)	8	
8910-50	50	5	04 (100)	40 (1015)	26 (660)	12 (305)	12 (305)	8 (205)	32 (813)	10	
8910-100	100	10	06 (150)	48 (1220)	30 (760)	12 (305)	12 (305)	8 (205)	32 (813)	10	
8910-150	150	15	06 (150)	51 (1295)	32 (815)	24 (610)	12 (305)	8 (205)	44 (1078)	10	
8910-200	200	20	06 (150)	54 (1375)	36 (915)	24 (610)	12 (305)	12 (305)	48 (1220)	10	
8910-350	350	35	06 (150)	68 (1730)	42 (1085)	24 (610)	12 (305)	12 (305)	48 (1220)	14	
8910-500	500	50	06 (150)	84 (2135)	54 (1375)	36 (915)	12 (305)	12 (305)	60 (1524)	18	

\*Specify larger or smaller inlets/outlets as required.

**REGULARLY FURNISHED:**  
 Fabricated Steel with Gray Duco Coating and Stainless Steel Primary and Secondary Lint Screens, 3/16"(5) Diamond Plate Cover (Secured & Gasketed) and Threaded Inlet and Outlet.

**NOTE:** Any unit exceeding 92"(2337mm) in width, 96"(2438mm) in height or weighing more than 3,500 lbs. (1,588 KG.) is an over sized and/or over weight product requiring special shipping and handling considerations. Contact Smith Customer Service as standard FFA terms do not apply.

**VARIATIONS:**

- All Stainless Steel Unit -SS
- Anchor Flange -F
- Extension -E Specify height eg: -E06 for 6"(150) Ext
- Flashing Flange with Flashing Clamp -F-C
- NO-HUB Inlet & Outlet Connection
- Option (2) 2"(51) Threaded Vent Connections - VC

**NOTE:** It is the responsibility of the installer to check all parts (internal and external) to verify they are in their proper operating order and location.

**NOTE:** Dimensions shown in parentheses are in millimeters.

WEIGHT POUNDS  
VOLUME CUBIC FEET  
**FIGURE NUMBER**  
**8910 SERIES**

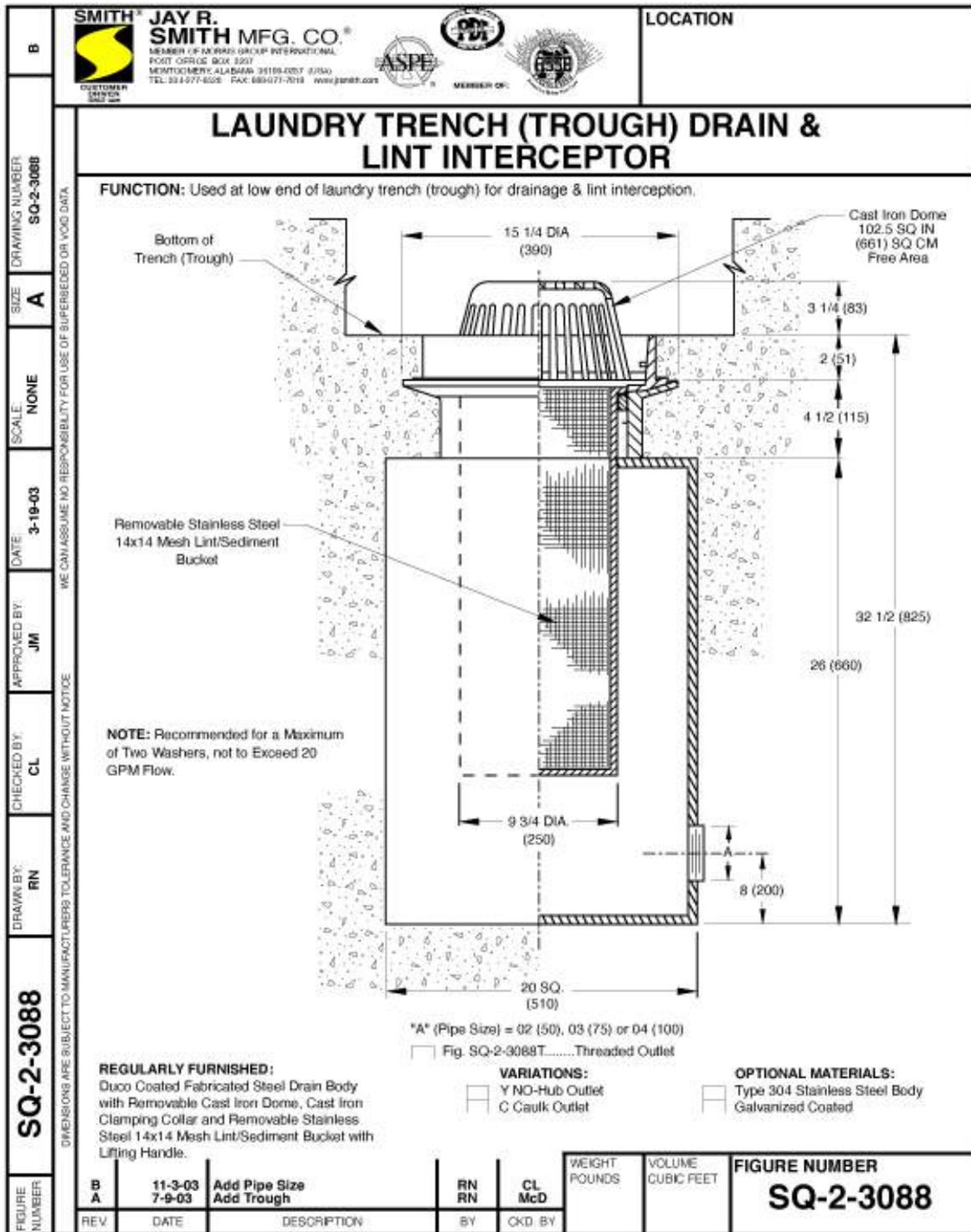
REV	DATE	DESCRIPTION	BY	CKD. BY
S	9-10-18	Corrected Drawing		
R	2-17-16	Added Note		
O	10-31-12	Revised Drawing		
P	2-8-07	Revised Table		

**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov

## 8910 SERIES

The standard lint interceptor. Available in eight sizes. Other configurations available as an SQ and special pricing.

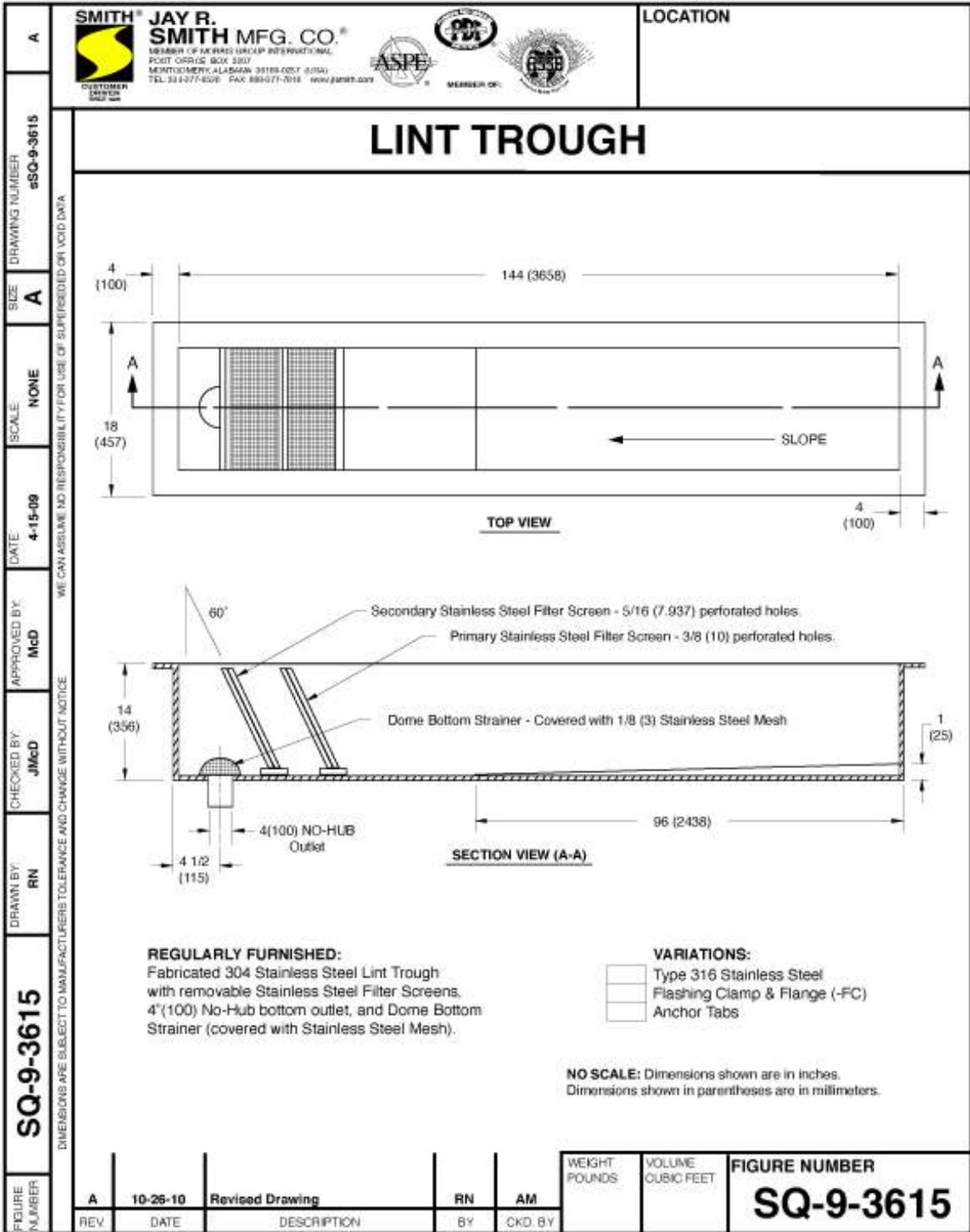
**THE FOLLOWING ARE UNIQUE BUT SATISFY THE NEEDS AND REQUIREMENTS OF THE PARTICULAR APPLICATION AND ENGINEER'S DETAIL.**



 **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov

**SQ-2-3088**

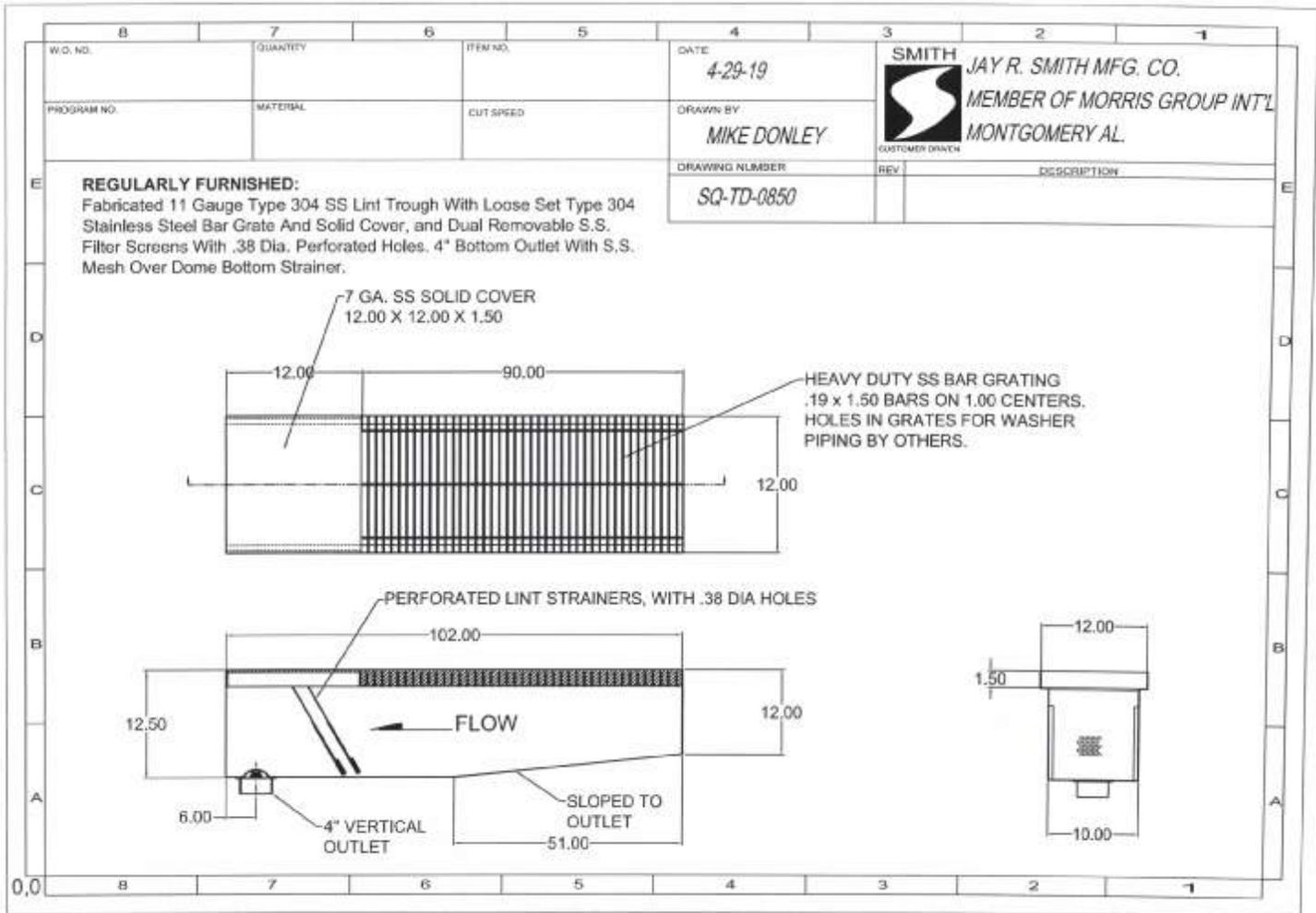
is installed at the low end of a poured-in-place concrete trough. A cast iron roof drain dome is configured over a removable stainless steel lint/sediment basket. The basket is suspended in a 20-inch square drainage body where the discharge outlet is located.



**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

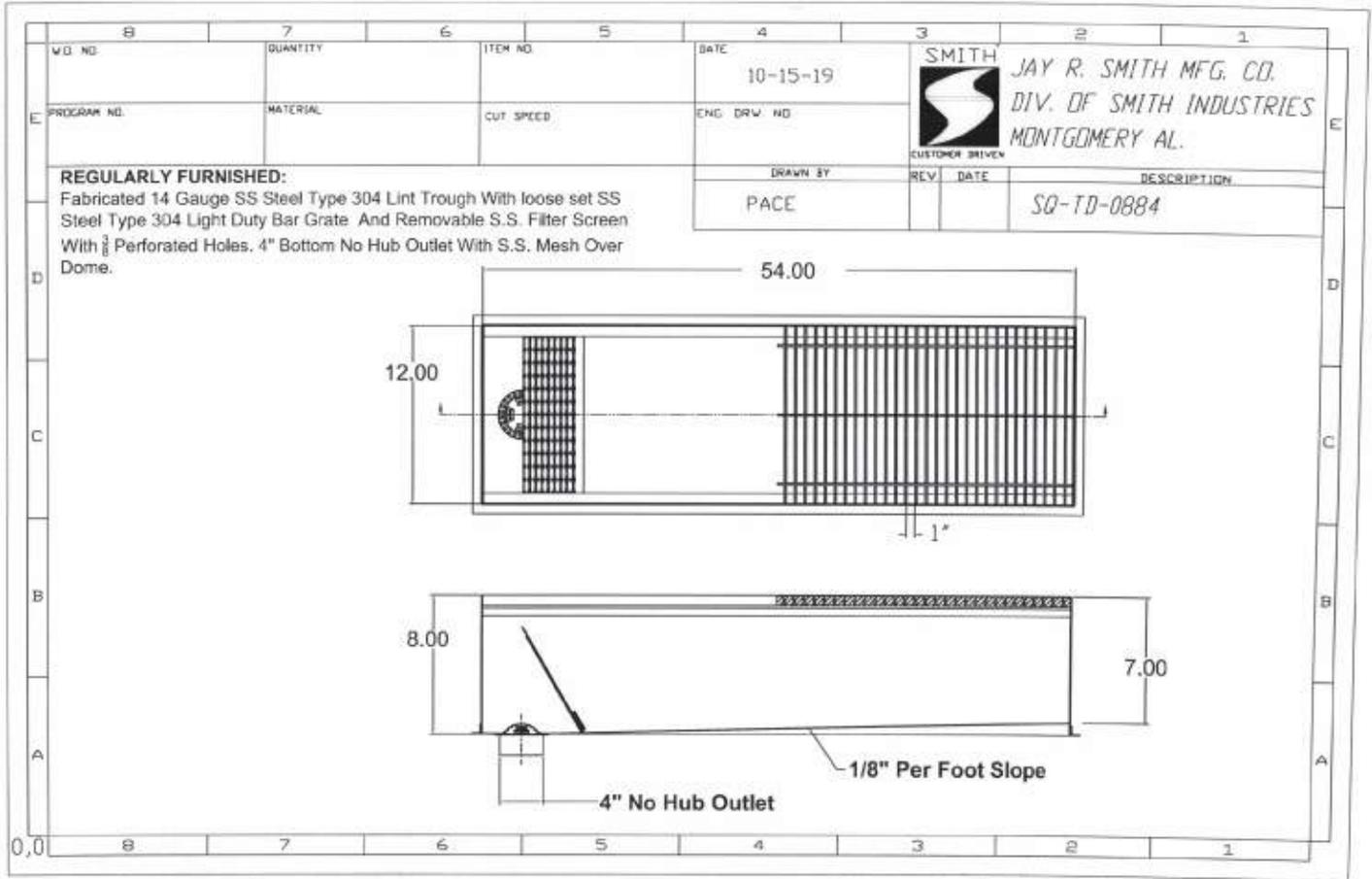
## SQ-9-3615/SQ-TD-0203

is a fabricated 304 stainless steel open flanged trough 144 inches long, 18 inches wide and 14 inches deep with a sloped bottom. Regularly furnished with a primary and secondary stainless-steel removable filter screens and a dome bottom strainer.



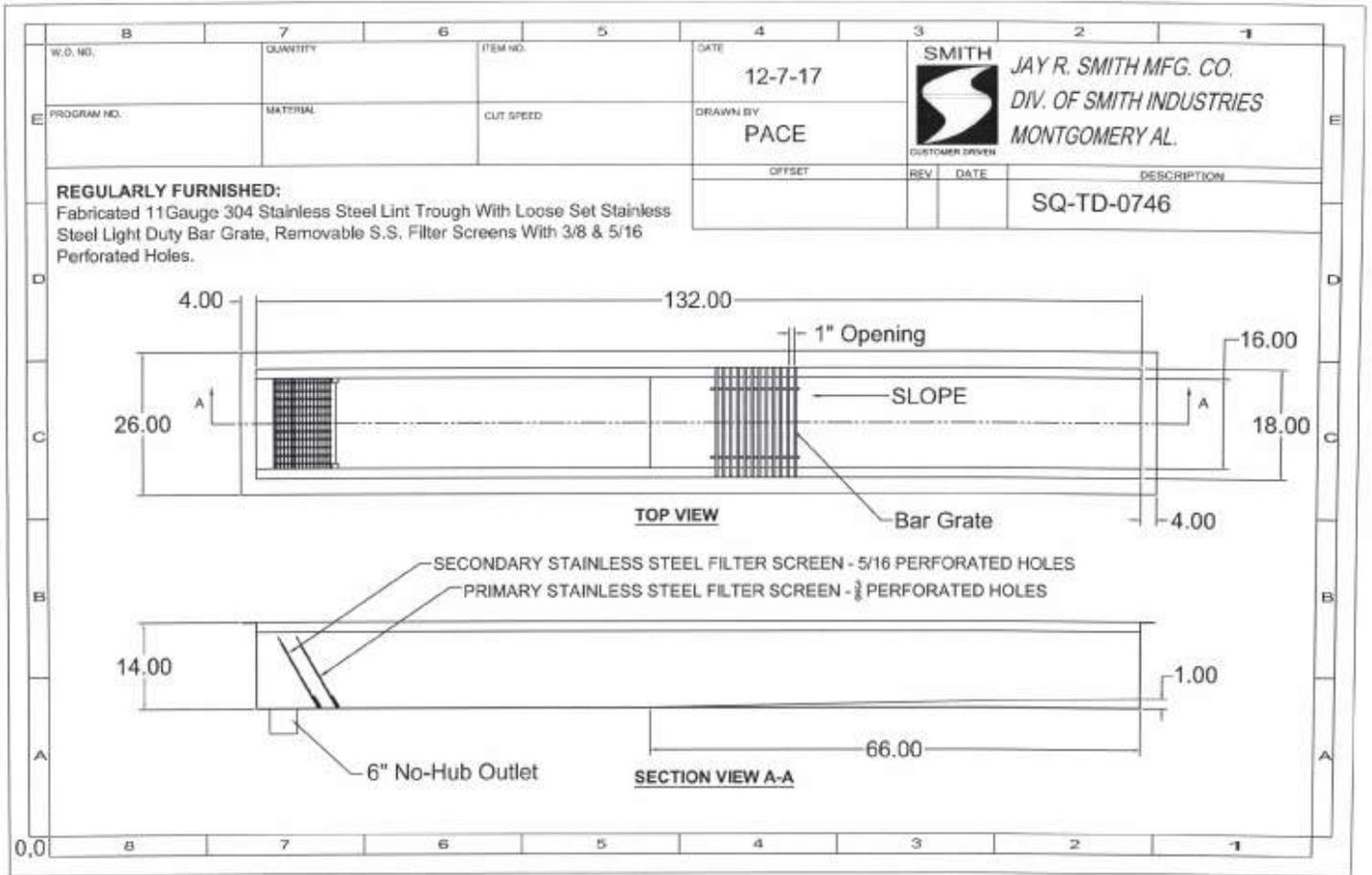
## SQ-TD-0850

is a fabricated 304 stainless-steel trough (sloped) with loose set 304 stainless steel bar grates and a 12 x 12-inch solid cover the drainage end. It is 102 inches long x 12 inches wide and 12.5 inches at the drainage end. Regularly furnished with dual removable stainless steel filter screens and a dome bottom strainer.



**SQ-TD-0884**

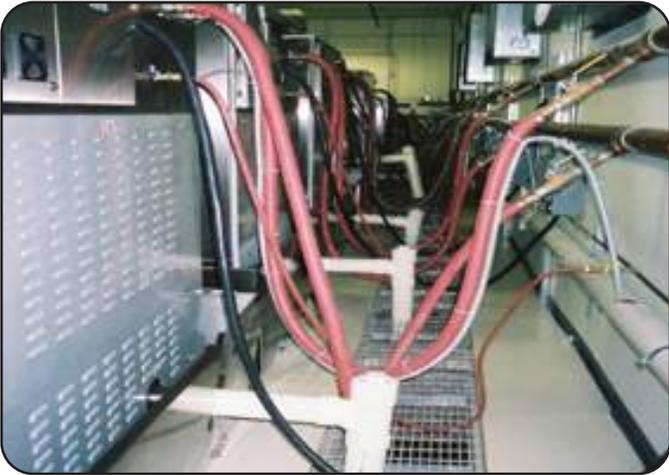
is a fabricated 304 stainless-steel trough (sloped) with loose set 304 light duty bar grate, 54 inches long x 12 inches wide and 8 inches deep. Regularly furnished with a stainless-steel removable filter screen and a dome bottom strainer.



## SQ-TD-0746

is a fabricated 304 stainless-steel trough (sloped) with loose set stainless steel light duty bar grate, 132 inches long x 26 inches wide x 14 inches deep. Regularly furnished with dual stainless-steel filter screens and a dome bottom strainer.

**LAST BUT NOT LEAST...**  
 MISC. IMAGES OF LINT TROUGH INSTALLATIONS



**LINT TROUGH  
INSTALLATION EXAMPLES**

Miscellaneous pictures of various lint trough installations. Most have solid covers and there are floor mount units which Smith can fabricate.