

ENGINEERING COMMUNIQUÉ

JAY R. SMITH MFG. CO.® ♦ JULY, 2013 ♦ VOLUME 3-ISSUE 4



**From:
THE SMITH ENGINEERING GROUP**

PRODUCT ALERT: 8910 SERIES LINT INTERCEPTOR

The question was asked recently as to why a lint interceptor is needed for the washer. If you manage or have been around any type of laundry, lint is an everyday 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 of concern to eliminate possible full or partial drainage clogging. Washer lint is wet, therefore; it mainly accumulates in one location which is the lint interceptor.

Lint is created by degradation over time of the item being laundered. Chemicals in the wash liquid and the mechanical action of washers (and dryers) gradually destroy fabrics. Besides these small particles of fabric, you have paper items and solid items left in pockets, debris, mud/dirt, and so forth attached to the clothing that are discharged through the lint interceptor.

Lint interceptors are sized according to the number of washing machines installed which possibly could be discharged simultaneously. This simultaneous concern is mostly for self-service laundries but also must be considered for private commercial laundries.

Jay R. Smith lint interceptors are designed with two lint screens. The primary and secondary screens are of stainless steel construction and removable for cleaning purposes. The outlet connection is lower than the inlet connection.



TROUGH TYPE LINT INTERCEPTORS

There are installations where the standard 8910 series unit cannot be installed. Often, an open trough located behind the washers is utilized. This trough can be flat or sloped but the volume must be large enough to handle all the washers if discharged simultaneously.

Whether using the trough style or another design, Smith can usually create a design that will be suitable along with intercepting the lint and debris. Two examples, SQ-2-3088 and SQ-8-3615 are attached.

SQ-8-3615 is a flat trough design fabricated from 304 stainless steel with two stainless steel removable filter screens (primary & secondary) and a dome bottom strainer covered with stainless steel mesh.

SQ-2-3088 is unique as it 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" square drainage body where the discharge outlet is located.

Both of these units are unique but satisfy the needs and requirements of the application.

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 from sinking into the outlet pipe and then getting into the sanitary drainage system and (2) it creates a liquid seal that serves as a trap, preventing sewer gases from entering the building through the washer. Most codes do not dictate this type of outlet arrangement but is a Jay R. Smith recommendation.

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

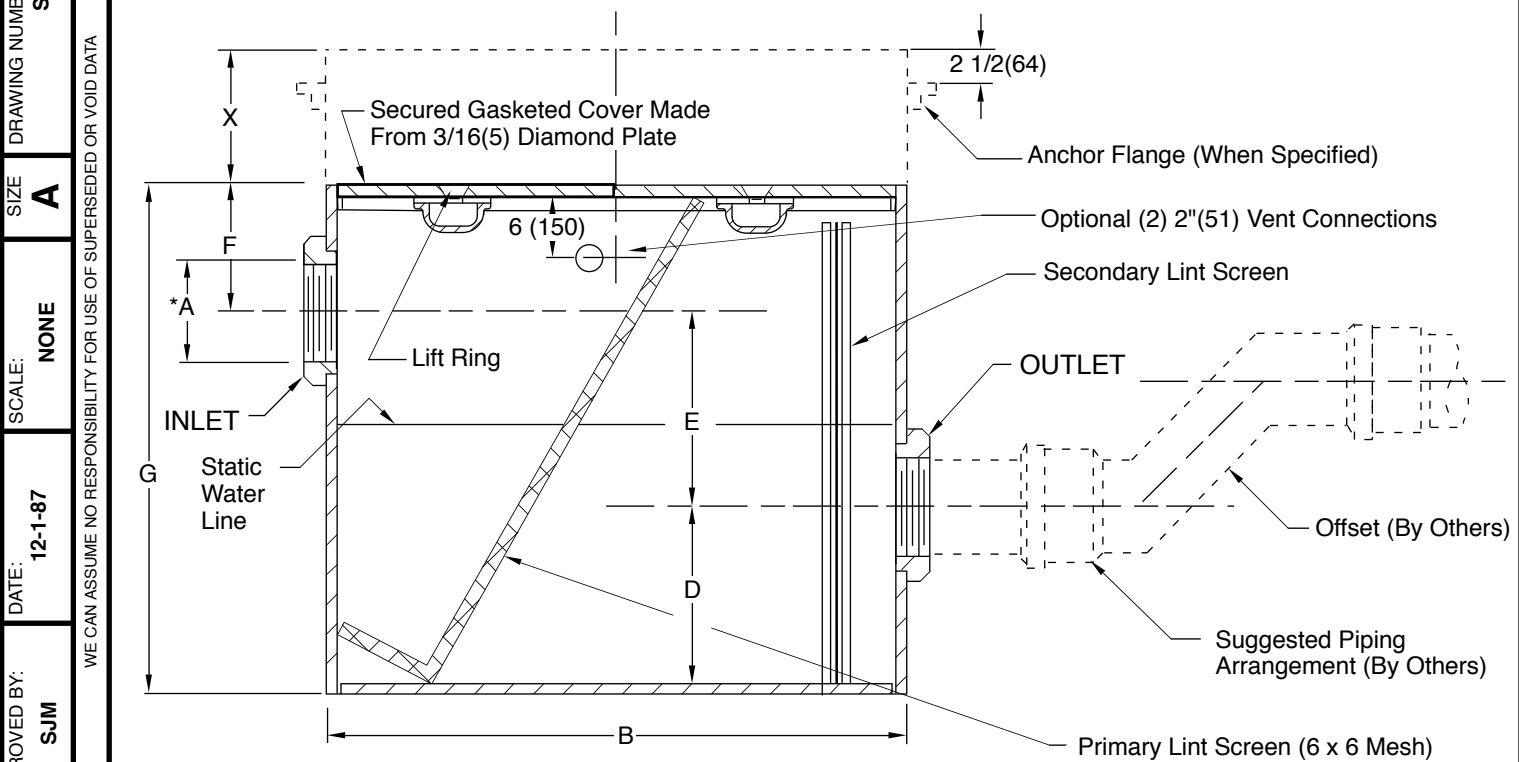
Please refer to the attached submittal drawing.

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LINT INTERCEPTORS



C = Body Width
 X = Specify Additional Height Required

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.

Fig. No.	GPM Flow Rate	Maximum Number Of Washers	* Inlet & Outlet Size	Dimensions							Securing Screws In Cover
				Body			Roughing Dimensions				
				Length	Width		D	E	F	G	
A	B	C	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 (1065)	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.

NOTE: Dimensions shown in parentheses are in millimeters.

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.

- 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

DRAWING NUMBER 8910

SIZE A

SCALE: NONE

DATE: 12-1-87

APPROVED BY: SJM

CHECKED BY: VGD

DRAWN BY: CMB

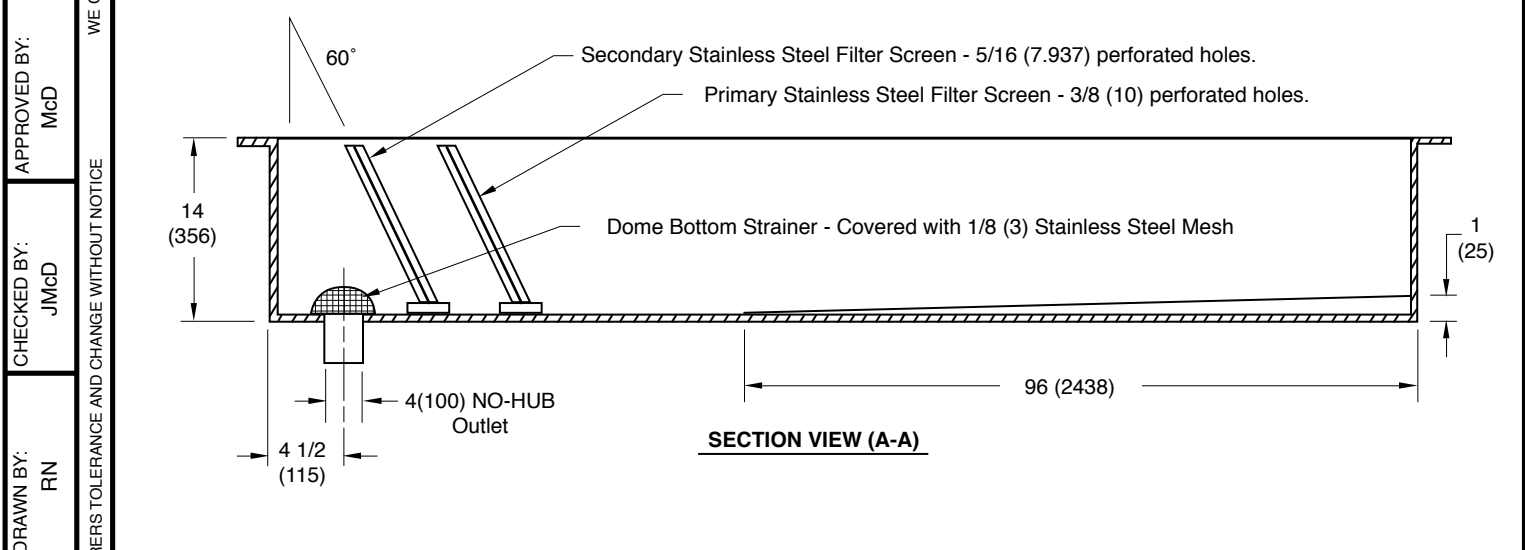
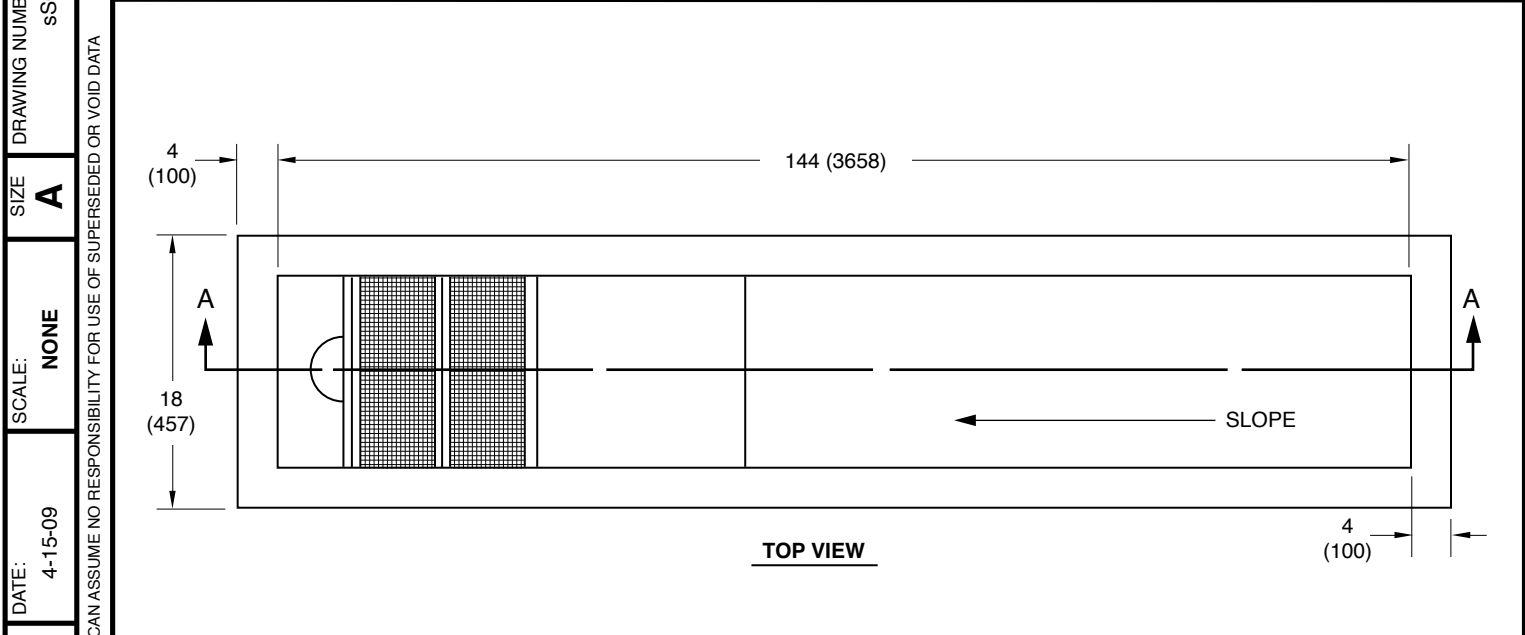
FIGURE NUMBER 8910 SERIES

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

REV.	DATE	DESCRIPTION	BY	CKD. BY	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
Q P O N	10-31-12 2-8-07 5-15-98 10-23-97	Revised Drawing Revised Table Submittal Update added 6 x 6 Mesh	TBW TBW ASL EMB	CL TK CL BS			8910 SERIES

LINT TROUGH



REGULARLY FURNISHED:
 Fabricated 304 Stainless Steel Lint Trough with removable Stainless Steel Filter Screens, 4"(100) No-Hub bottom outlet, and Dome Bottom Strainer (covered with Stainless Steel Mesh).

- VARIATIONS:**
- Type 316 Stainless Steel
 - Flashing Clamp & Flange (-FC)
 - Anchor Tabs

NO SCALE: Dimensions shown are in inches.
 Dimensions shown in parentheses are in millimeters.

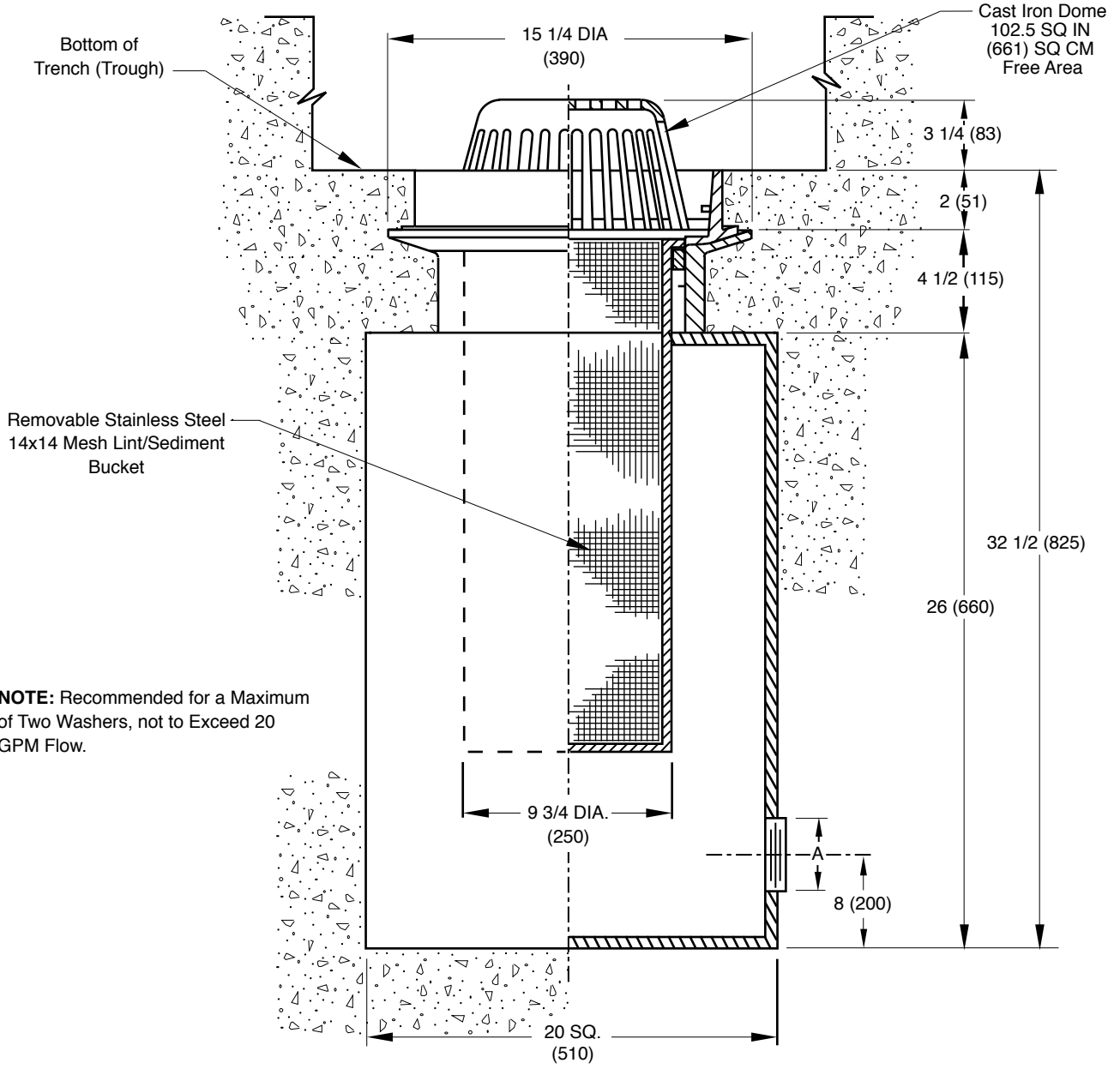
SQ-9-3615	DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE				WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
A	10-26-10	Revised Drawing	RN	AM			SQ-9-3615
REV.	DATE	DESCRIPTION	BY	CKD. BY			

B
 DRAWING NUMBER SQ-2-3088
 SIZE A
 SCALE: NONE
 DATE: 3-19-03
 APPROVED BY: JM
 CHECKED BY: CL
 DRAWN BY: RN
 SQ-2-3088
 FIGURE NUMBER

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA
 DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

LAUNDRY TRENCH (TROUGH) DRAIN & LINT INTERCEPTOR

FUNCTION: Used at low end of laundry trench (trough) for drainage & lint interception.



NOTE: Recommended for a Maximum of Two Washers, not to Exceed 20 GPM Flow.

"A" (Pipe Size) = 02 (50), 03 (75) or 04 (100)

Fig. SQ-2-3088T.....Threaded Outlet

REGULARLY FURNISHED:

Duco Coated Fabricated Steel Drain Body with Removable Cast Iron Dome, Cast Iron Clamping Collar and Removable Stainless Steel 14x14 Mesh Lint/Sediment Bucket with Lifting Handle.

VARIATIONS:

- Y NO-Hub Outlet
- C Caulk Outlet

OPTIONAL MATERIALS:

- Type 304 Stainless Steel Body
- Galvanized Coated

B	11-3-03	Add Pipe Size	RN	CL
A	7-9-03	Add Trough	RN	McD
REV.	DATE	DESCRIPTION	BY	CKD. BY

WEIGHT POUNDS	VOLUME CUBIC FEET

FIGURE NUMBER
SQ-2-3088