

# ENGINEERING COMMUNIQUÉ

JAY R. SMITH MFG. CO.® ♦ September, 2012 ♦ VOLUME 2- ISSUE 8



**From:**  
**THE SMITH ENGINEERING GROUP**  
**PRODUCT ALERT: SQ-2-4614**

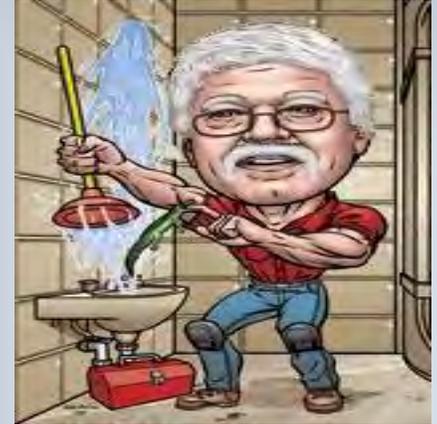
This is an example where an engineer or architect details a special application. We review the detail and provide a product that will fit the application. This drain required a lower and upper body along with a perforated bronze standpipe and bronze dome.

This SQ drain was installed in a planter box. (The actual detail and submittal drawing are attached). The structural concrete slab has a fluid applied (liquid) waterproofing with a sheet of drainage composite above and a basic 2005 body installed in the structural slab. The planter box concrete slab is sloped towards the upper drain which requires a clamping collar for securing the neoprene waterproofing. A sheet of drainage composite is installed on top of the neoprene waterproofing. The perforated bronze standpipe is surrounded by gravel fill and the height corresponds with the depth of the planter box. The perforated standpipe can be wrapped in stainless steel mesh in the event gravel fill is not used to prevent the holes from becoming clogged with soil and other debris.

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QUAD SEAL (Fig. No. 2692):

As earlier published, Smith has successfully obtained the IAPMO and ASSE Listings for the Quad Close Seal Trap Device. We are still receiving calls stating that Pro-Set's Trap Guard states they are ASSE certified. This is not correct as there are only two manufacturers listed with ASSE. Please see the attached Product Listing for the ASSE Standard 1072 from ASSE's website. Pro-Set states under approvals; ASSE - Report. However, there are items in their report listed as 'Not-Evaluated' which means this is not a complete report. The Quad Seal was tested to and passed all parts of the ASSE 1072 Standard.

The 2692 Quad Seal submittal is attached.

Another item to be aware of is the use of certain words/terms. IAPMO and ASSE list products as having been tested by a certified third party testing laboratory with successful passing all related requirements whether it is performance test and/or material related. Manufacturers should not use words such as approved, endorsed and so forth when it comes to groups such as IAPMO and ASSE. They do not approve or endorse products but rather list products that meet certain criteria such as a product standard.

DRAWING NUMBER: **A**  
 SCALE: **NONE**  
 DATE: **07-13-2012**  
 APPROVED BY: **CR**  
 CHECKED BY: **CL**  
 DRAWN BY: **CL**  
**SQ-2-4614**  
 DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

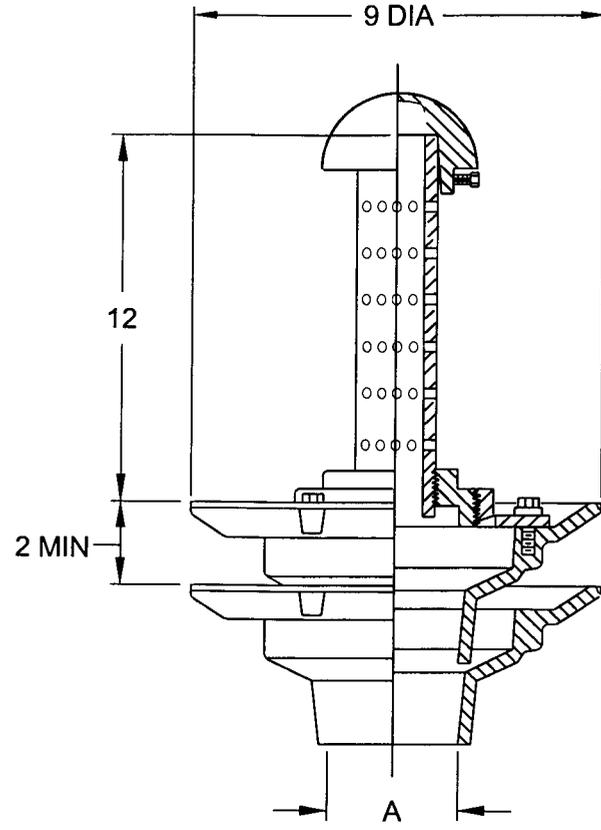


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LOCATION: \_\_\_\_\_

# SPECIAL PLANTER DRAIN



A (PIPE SIZE) = 02, 03 or 04

**Fig. SQ-2-4614Y . . . NO-HUB OUTLET**

**REGULARLY FURNISHED:**

Duco Coated Cast Iron Lower Body and Duco Coated Cast Iron Upper Body with Flashng Clamp with Perforated Bronze Standpipe and Polished Bronze Dome.

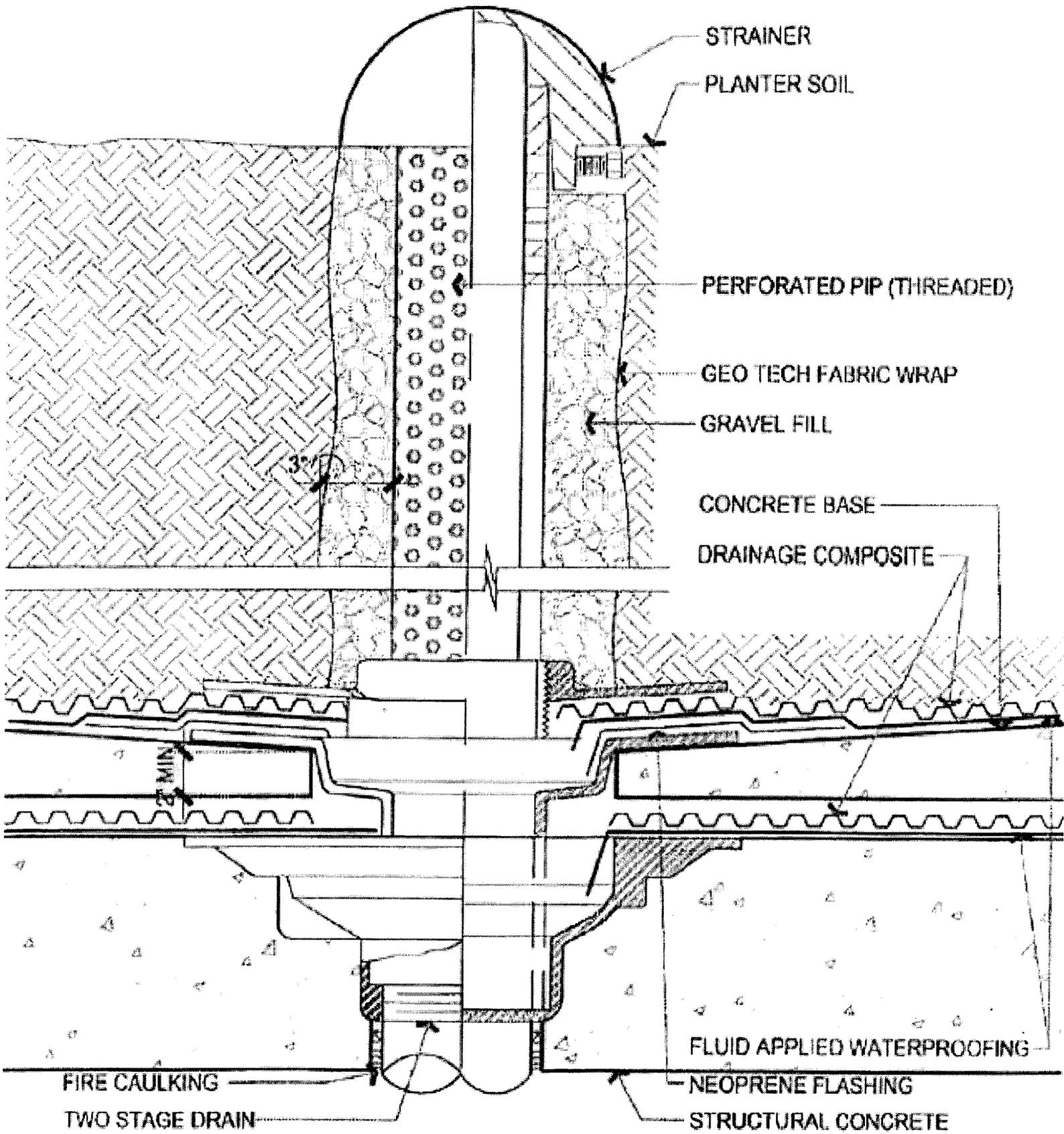
**VARIATIONS:**

Longer Standpipe -LS

**OPTIONAL MATERIALS:**

Galvanize Coated Cast Iron -G

REV.	DATE	DESCRIPTION	BY	CKD. BY	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
							<b>SQ-2-4614</b>



# PLANTER DRAIN

17

PRODUCT LISTINGS

ENTER ALL OR PART OF A STANDARD, MANUFACTURER, OR MODEL:

1072

Standard  Listee/Company  Model

SEARCH RESULTS:

1072-2007: Barrier Type Floor Drain Trap Seal Protection Devices							
Listee / Company	Model	Size	Orientation	Type	Description	Issue Date	Amended Date(s)
Jay R. Smith Mfg. Co.	2692-02	2"				6/20/2012	
Jay R. Smith Mfg. Co.	2692-03	3"				6/20/2012	6/27/2012
Jay R. Smith Mfg. Co.	2692-04	4"				6/20/2012	6/27/2012
Sure Seal, LLC	SS2009	2"				4/12/2011	
Sure Seal, LLC	SS3000	3"				4/12/2011	
Sure Seal, LLC	SS3509	3 1/2"				4/12/2011	
Sure Seal, LLC	SS4009	4"				4/12/2011	

[Download the Seal Authorizations Booklet](#)



ANSI Accredited Program  
PRODUCT CERTIFICATION  
#0432

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# QUAD CLOSE TRAP SEAL

**FUNCTION:** The Quad Close Trap Seal forms a barrier to minimize the evaporation of the trap seal of a floor drain. The Quad Close Trap Seal will open to allow drainage and close when there is no flow. It is for use in floor drain outlets or the adjustable strainer throats.

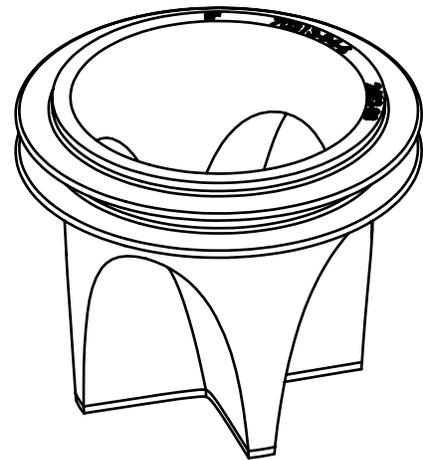
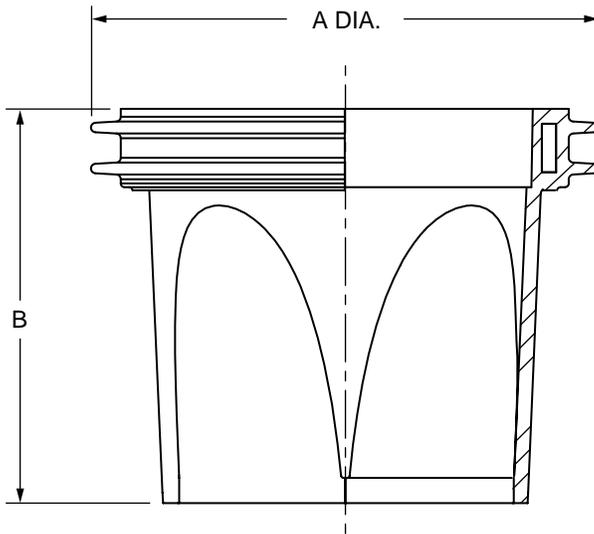


Fig. No.	A (Pipe Size)	B
2692-02 ▲	02(50)	2 3/4(70)
2692-03 ▲	03(75)	2 3/4(70)
*2692-0350	0350(89)	2 3/4(70)
2692-04 ▲	04(100)	2 3/4(70)

- ▲ IAPMO Listed - File No. 7479
- ▲ ASSE Listed - Record No. 1435 - AF - GW  
Floor Designation/rated for all floor types.

**INSTALLATION:** The 02(50), 03(75) & 04(100) Quad Close Trap Seal sizes install in the drain outlet. To install, simply insert the Quad Close Trap Seal in the drain outlet or throat of strainer until the top of it is flush with top of drain outlet or strainer throat. See reverse side of submittal for illustration.

\*The 0350(89) Quad Close Trap Seal size installs in the throat of Smith Adjustable Strainers. See reverse side of submittal for illustration.

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

Patent Pending

DRAWING NUMBER  
S2692

SIZE  
A

SCALE:  
NONE

DATE:  
5-20-08

APPROVED BY:  
JM

CHECKED BY:  
CL

DRAWN BY:  
RN

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DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

**2692**

FIGURE NUMBER

REV.	DATE	DESCRIPTION	BY	CKD. BY
D	6-27-12	Added ASSE Listing	TBW	JM
C	4-24-12	Rev. Title, Function, Installation	TBW	CL
B	4-23-12	Rev. Reg. Furn., Added IAPMO Listing	TBW	CL
A	2-9-10	Revised Drawing	RN	BW

WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
		<b>2692</b>

C



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MEMBER OF:

LOCATION

DRAWING NUMBER  
s2692 BS

SIZE  
A

SCALE:  
NONE

DATE:  
5-20-08

APPROVED BY:  
JM

CHECKED BY:  
CL

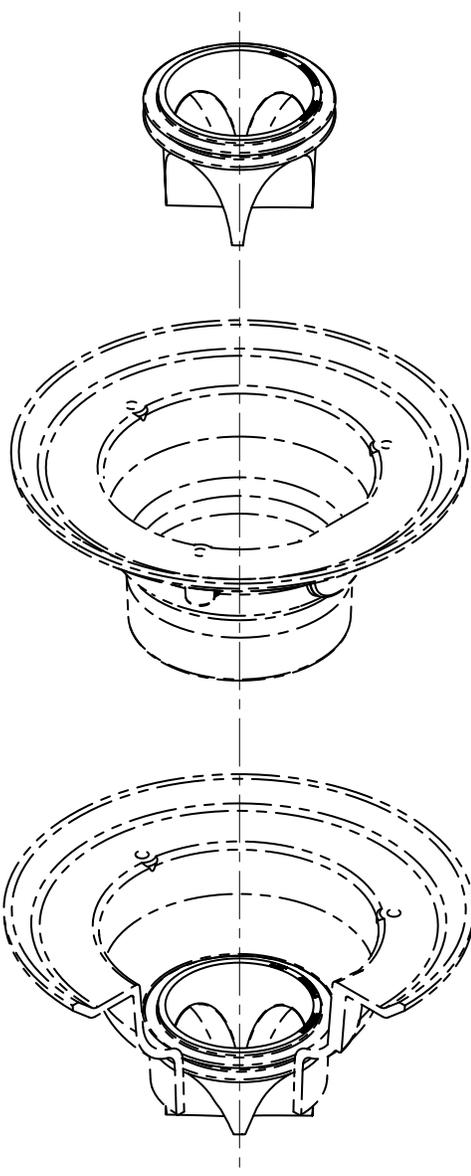
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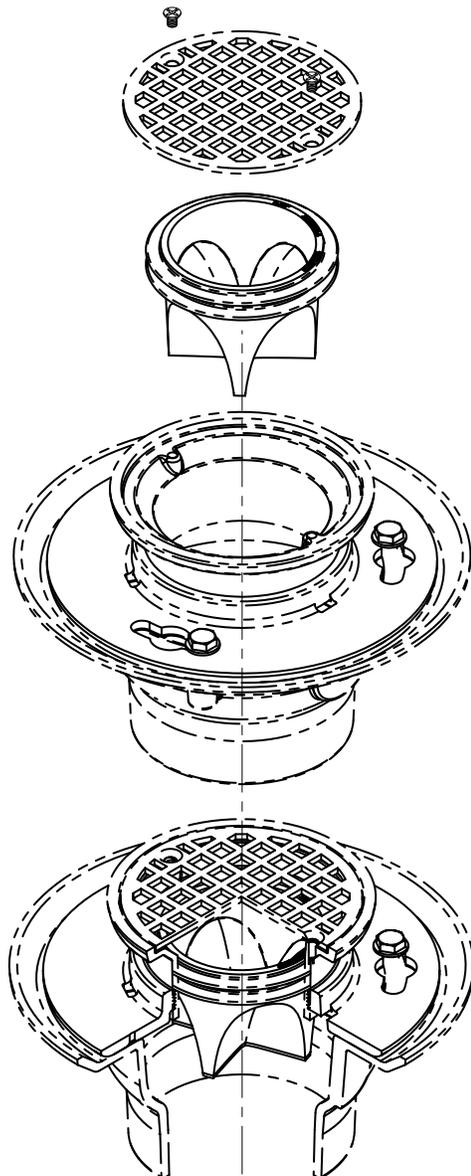
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# QUAD CLOSE TRAP SEAL

## Installation Illustrations



Installation in Drain  
Body Outlet  
02(50), 03(75) & 04(100) Sizes



Installation in Strainer  
Throat  
0350(89) Size

**INSTALLATION:** The 02(50), 03(75) & 04(100) Quad Close Trap Seal sizes install in the drain outlet. The 0350(89) Quad Close Trap Seal size installs in the throat of adjustable strainers. To install simply insert the Quad Close Trap Seal in the drain outlet or throat of strainer until the top of it is flush with top of drain outlet or strainer throat.

# 2692 BS

FIGURE NUMBER	C B A	4-24-12 4-2-12 2-10-10	Rev. Title, Installation Added Note Revised Drawing	TBW TBW RN	CL DP BW	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
REV.	DATE	DESCRIPTION	BY	CKD. BY				<b>2692 BS</b>