

# ENGINEERING COMMUNIQUÉ

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



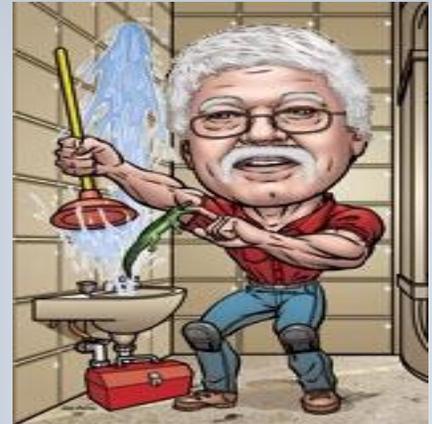
**From:  
THE SMITH ENGINEERING GROUP**

**PRODUCT ALERT: SQ-7-4495, SQ-1-4571,  
SQ-8-4569 and SQ-1-4495BS.**

SQs are created from several sources. Often, we receive details from architects and engineers inquiring as to the feasibility of their special design. Other times, we receive details and are asked to provide a product equal based on the detail. We will review the detail and determine what can be done to provide the item or close enough to be acceptable with the design professional. Such is the case of SQ-7-4495. The overall scope of the detail is shown on sheet A-2. The specific area of concern is enlarged on sheet A-3. As you see, the SQ was created slightly different than the detail but acceptable. In this case the architect utilized the Backwater Valve to prevent backflow into the manhole.

**SQ-1-4571:** Architect requested a two stage drain (Sht. A-4) to receive pavers in a deck area for a high end residence.

**SQ-8-4569:** A specification was received for this unit with specific information such as inlet/outlet sizes, gallons capacity, and the cubic capacity



## **SQ vs. FIGURE NUMBER:**

There are numerous requests received for Special Quotes (SQs). Each SQ is evaluated and it is determined whether it will be given an SQ number or a figure number. Many of the SQ requests never materialize or are a minimal or one item order. The SQs are monitored and if usage becomes significant, then it is converted to a figure number. In the evaluation stage, if the SQ equals a competitor's figure number, then it is assigned a figure number.

The SQ number is identified by the prefix SQ. The single digit number identifies the category of product and the four digit number is the identification number which is chronically maintained as SQs are assigned.

**Example: SQ-1-4571**  
1 denotes the roof drain category and 4571 is the four thousand, five hundred and seventy first chronological SQ number.

required for the inlet and outlet compartments. This unit (Sht. A-5) was to be installed outside and basically is large enough to hold a large volume of grease.

SQ-1-4235BS: This drain is a DX1250 modified to correct a situation where a rubber sheet of water proofing membrane was installed on the surface. The owner provided this detail indicating his preference for mounting the grate with three securing screws.

JAY R. SMITH

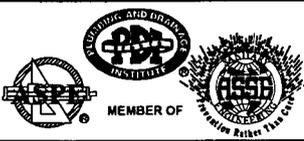
A MEMBER OF



MORRIS GROUP  
INTERNATIONAL

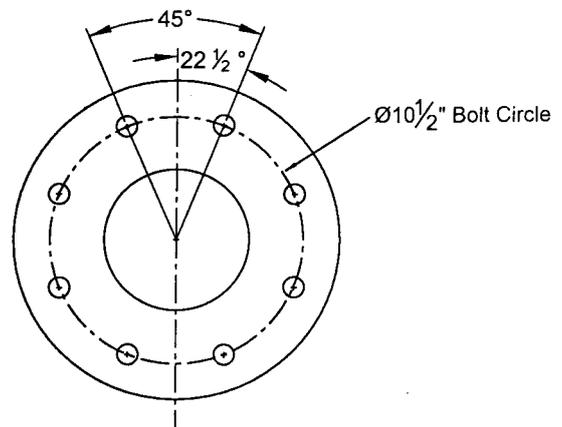
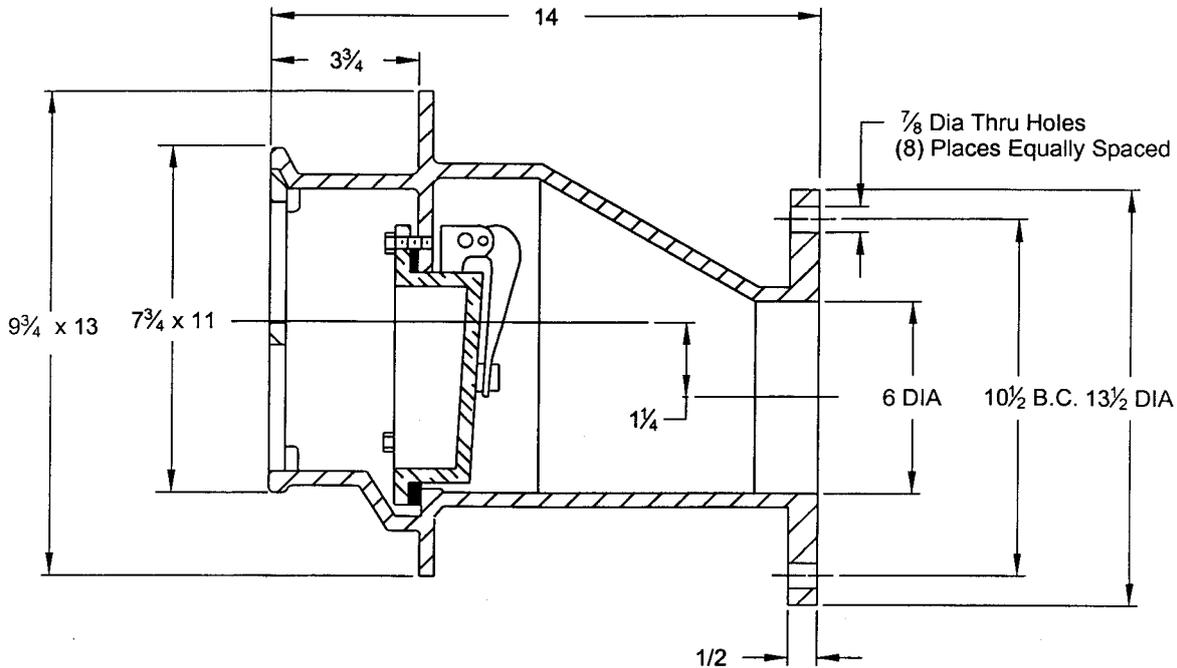


**JAY R. SMITH MFG. CO.**  
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LOCATION

# SPECIAL BACKWATER VALVE



**NOTE:** Bolting flange is fabricated and securing holes are random bolt circle for securing valve to face of concrete wall.

**REGULARLY FURNISHED:**

CF8 ( Equivalent to Tpye 304) Rough Finish Stainless Steel Body with Secured Grate and Bronze Backwater Valve.

**VARIATIONS:**

Vandal Proof Grate -U  
 Less Grate -LG

**OPTIONAL MATERIALS:**

A-27 Carbon Steel Body & Grate -A27  
 CF8M (Type 316) Stainless Steel -316

**SQ-7-4495**

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

DRAWN BY: CL  
 CHECKED BY: CL  
 APPROVED BY: CR  
 DATE: 10-7-2011  
 SCALE: NONE  
 SIZE: A  
 DRAWING NUMBER: DRG. NO.

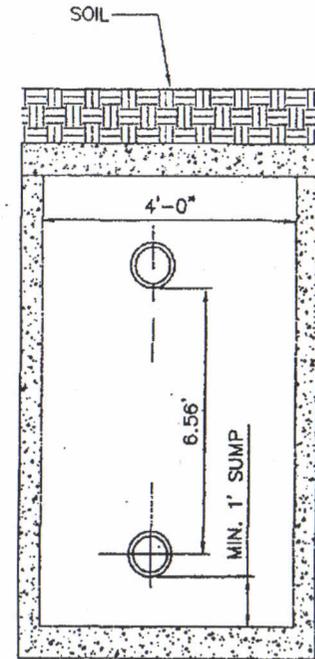
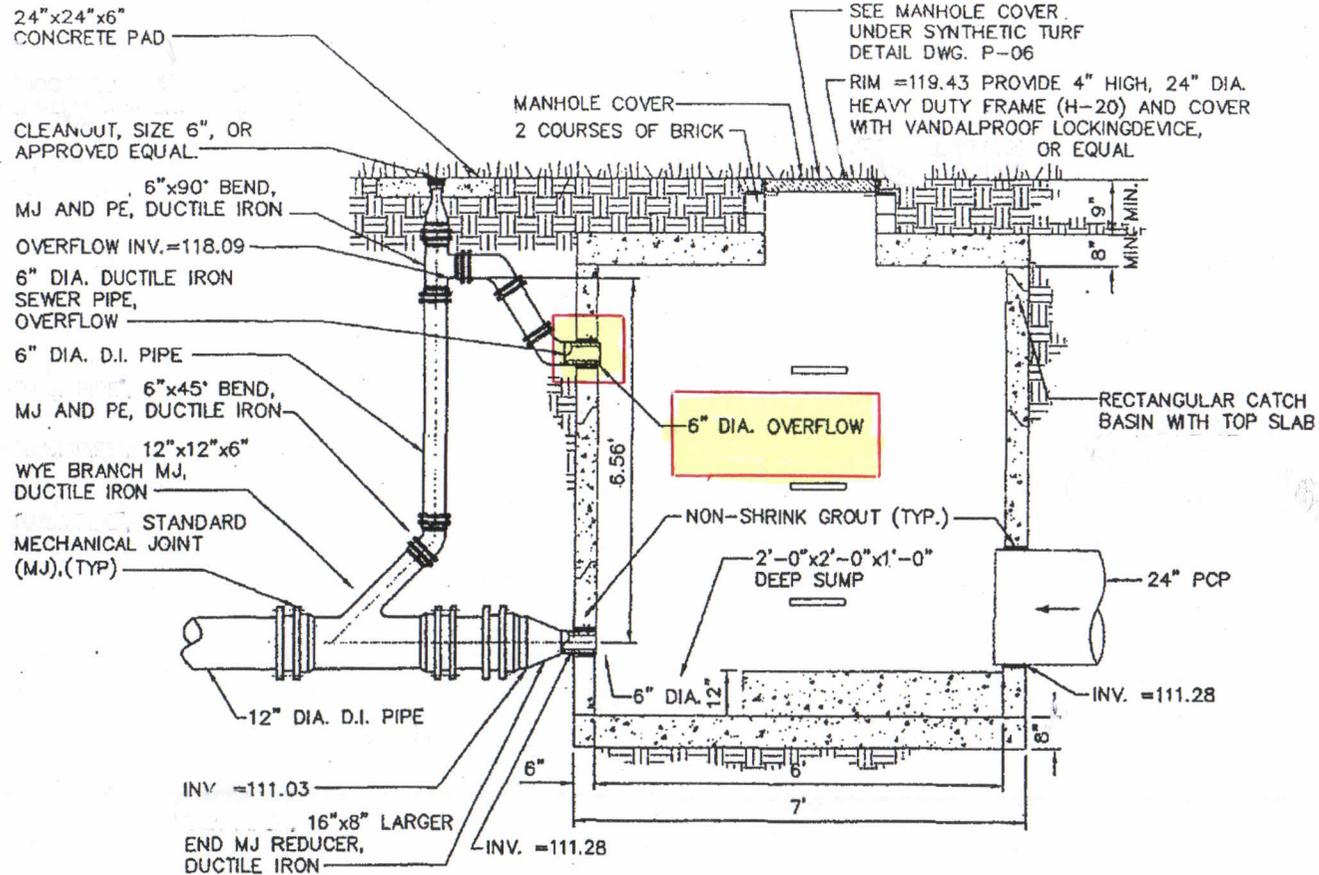
REV

REV.	DATE	DESCRIPTION	BY	CKD. BY
B	01-04-2012	Revised Bolting Flange Hole Orientation	CL	CL
A	10-07-2011	Added Bolting Flange View & Note	CL	CL

WEIGHT POUNDS

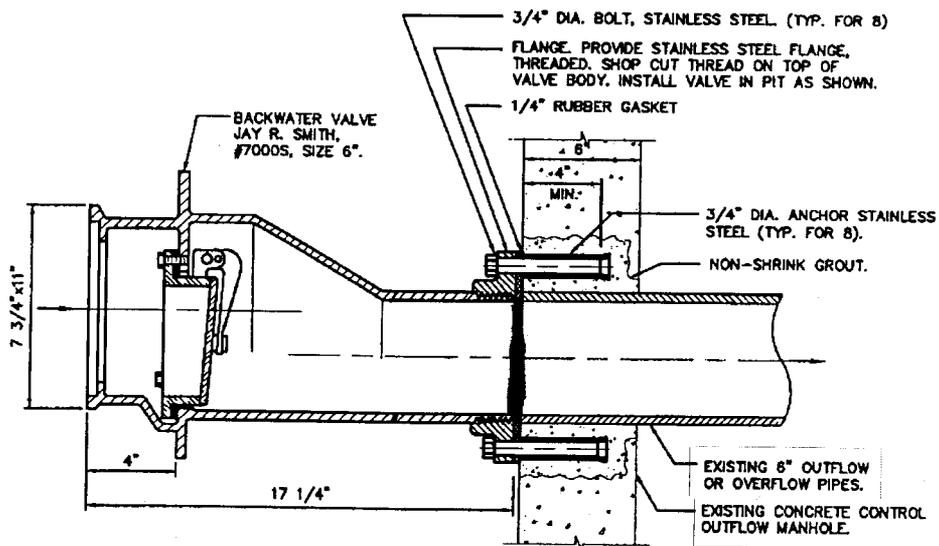
VOLUME CUBIC FEET

**FIGURE NUMBER**  
**SQ-7-4495**



**OUTLET CONTROL MANHOLE SECTION A-A**  
N.T.S.

A-2



**BACKWATER VALVE  
INSTALLATION DETAIL**

N.T.S.

SK-3

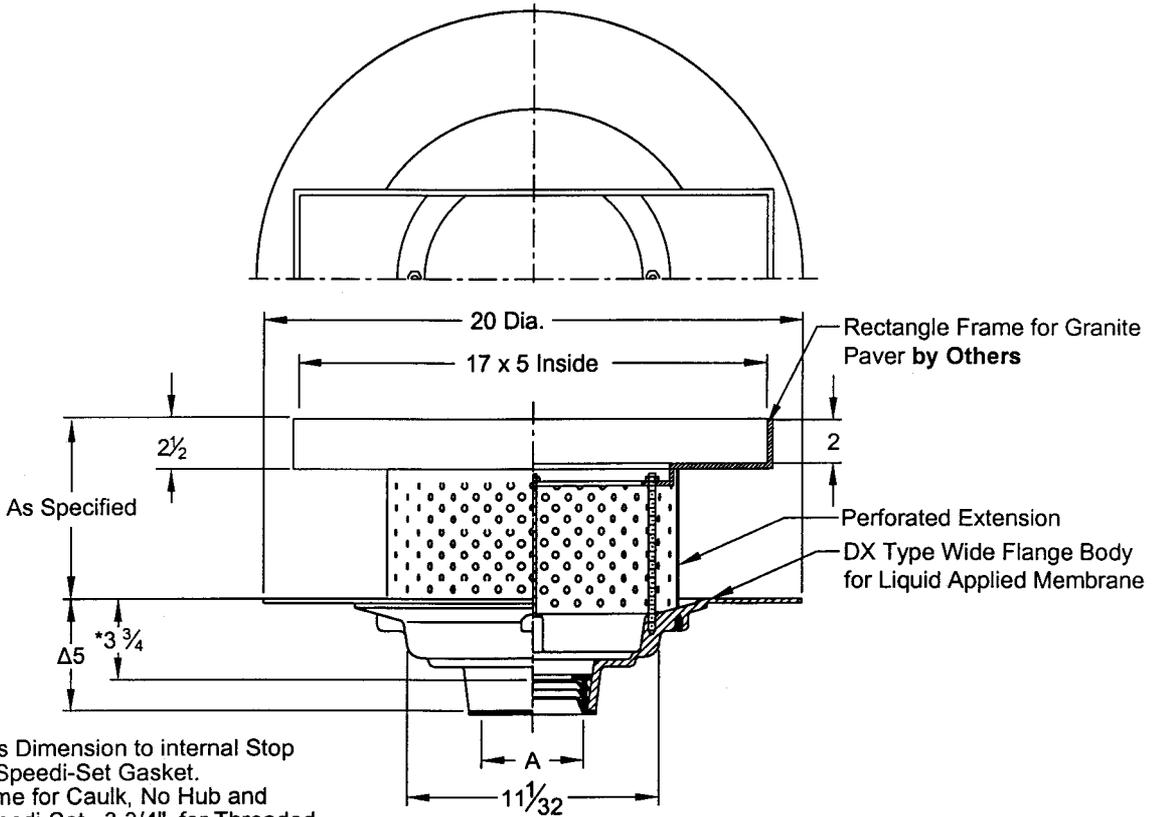


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LOCATION

# SPECIAL PROMENADE DECK DRAIN



\*This Dimension to internal Stop of Speedi-Set Gasket.  
 Δ Same for Caulk, No Hub and Speedi-Set. 3 3/4" for Threaded.

A (Pipe Size) = 02, 03, 04, 05, or 06

Fig. SQ-4-4571C. . . . .CAULK OUTLET  
 Fig. SQ-1-4571Y. . . . .NO-HUB OUTLET

**REGULARLY FURNISHED:**

Duco Cast Iron Wide Flange Body,  
 Perforated Stainless Steel Extension and  
 Fabricated Stainless Steel Rectangle Top  
 Frame.

**VARIATIONS:**

- L Speedi-Set Service Weight 02, 03 & 04 sizes only
- LXH Speedi-Set Extra Heavy 02, 03 & 04 sizes only
- T Threaded Outlet
- Underdeck Clamp -C

**OPTIONAL MATERIALS:**

- Galvanized Cast Iron -G

NOTE: Floor drains or area drains used to drain areas subject to rainfall should have an open area equal to twice the cross sectional area of the connecting pipe.

DRAWING NUMBER: A  
 SCALE: NONE  
 DATE: 02-29-2012  
 APPROVED BY: CR  
 CHECKED BY: CL  
 DRAWN BY: CL  
 FIGURE NUMBER: SQ-1-4571  
 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  
**SQ-1-4571**



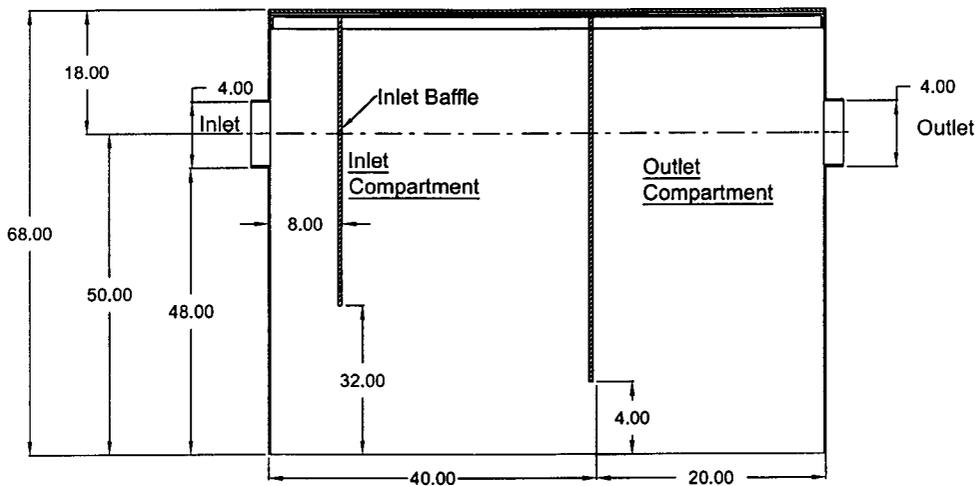
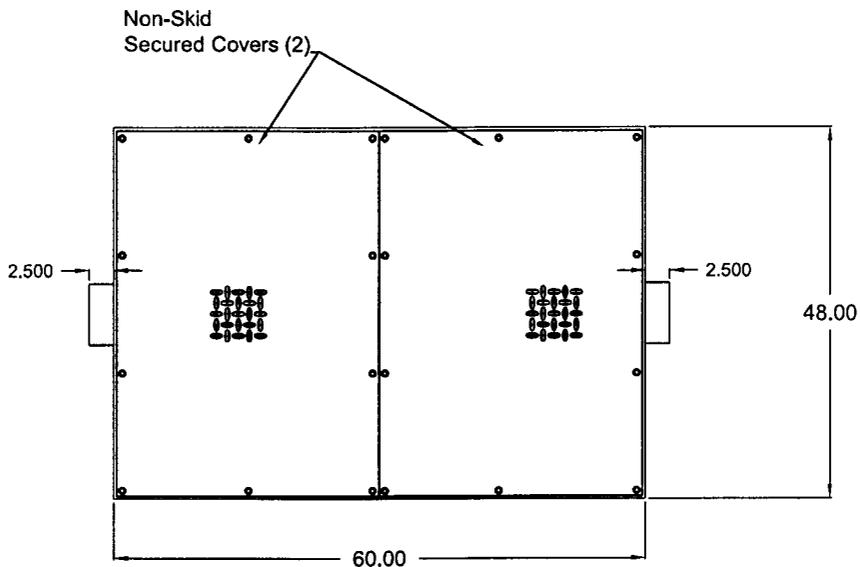
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LOCATION

# SPECIAL GREASE INTERCEPTOR

## GREASE INTERCEPTOR - 570 GALLONS



**REGULARLY FURNISHED:**  
 Steel Interceptor With Gray Duco Coating  
 Inside And Outside. (4") No-Hub Inlet & Outlet.

**OPTIONAL MATERIALS:**

- Stainless Steel-304 or 316
- Coal Tar Epoxy- Inside & Outside

DRAWING NUMBER: SSQ-8-4569  
 SIZE: A  
 SCALE: NONE  
 DATE: 02-28-2012  
 APPROVED BY: AM  
 CHECKED BY: AM  
 DRAWN BY: AM  
**SQ-8-4569**  
 DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

REV.	DATE	DESCRIPTION	BY	CKD. BY	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
							<b>SQ-8-4569</b>

A



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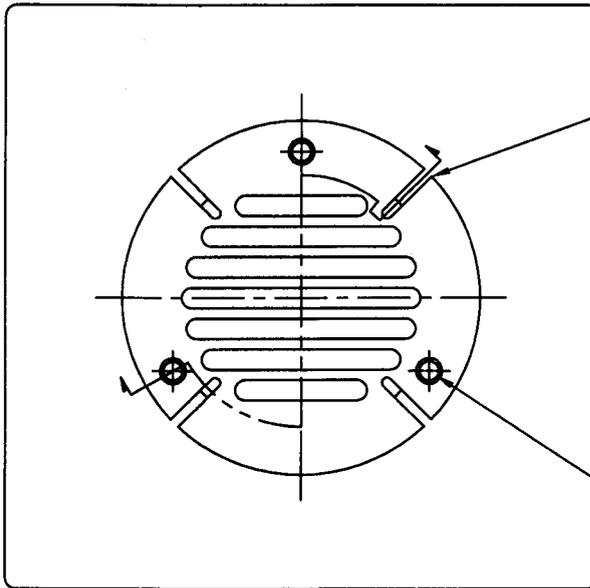


LOCATION

# SPECIAL PURPOSE GRATE

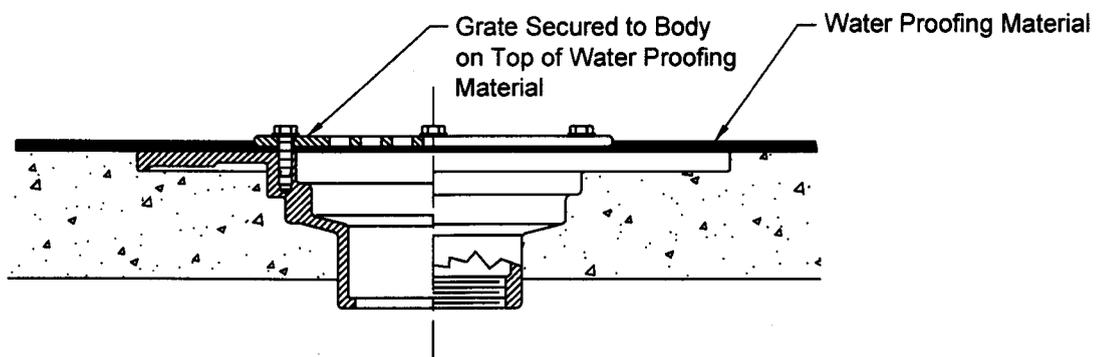
## FIG. DX1250 COMBINATION GRATE AND FLASHING CLAMP

**NOTE:**  
 Drill and Tap Body using  
 17/64" Dia Drill x 7/8" Deep  
 5/16-18 Tap x 1/2" Deep  
 (Min. Full Thread) 3 Places  
 Using Existing Tapped  
 Holes as Template



Seepage Slots

5/16 - 18 x 1" Long  
Hex Washer Head  
Screws (3 Req'd)



Grate Secured to Body  
on Top of Water Proofing  
Material

Water Proofing Material

Fig. SQ-1-4235 . . . . . GRATE INSTALLATION

DRAWING NUMBER SSQ-1-4235BS  
 SIZE A  
 SCALE: NONE  
 DATE: 04-20-2007  
 APPROVED BY: CR  
 CHECKED BY: CR  
 DRAWN BY: CR  
**SQ-1-4235BS**  
 DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

REV.	DATE	DESCRIPTION	BY	CKD. BY
A	04-06-2010	Chgd. Securing Screws to 5/16" Size	CR	CR

WEIGHT POUNDS	VOLUME CUBIC FEET

**FIGURE NUMBER**  
**SQ-1-4235BS**

A-6