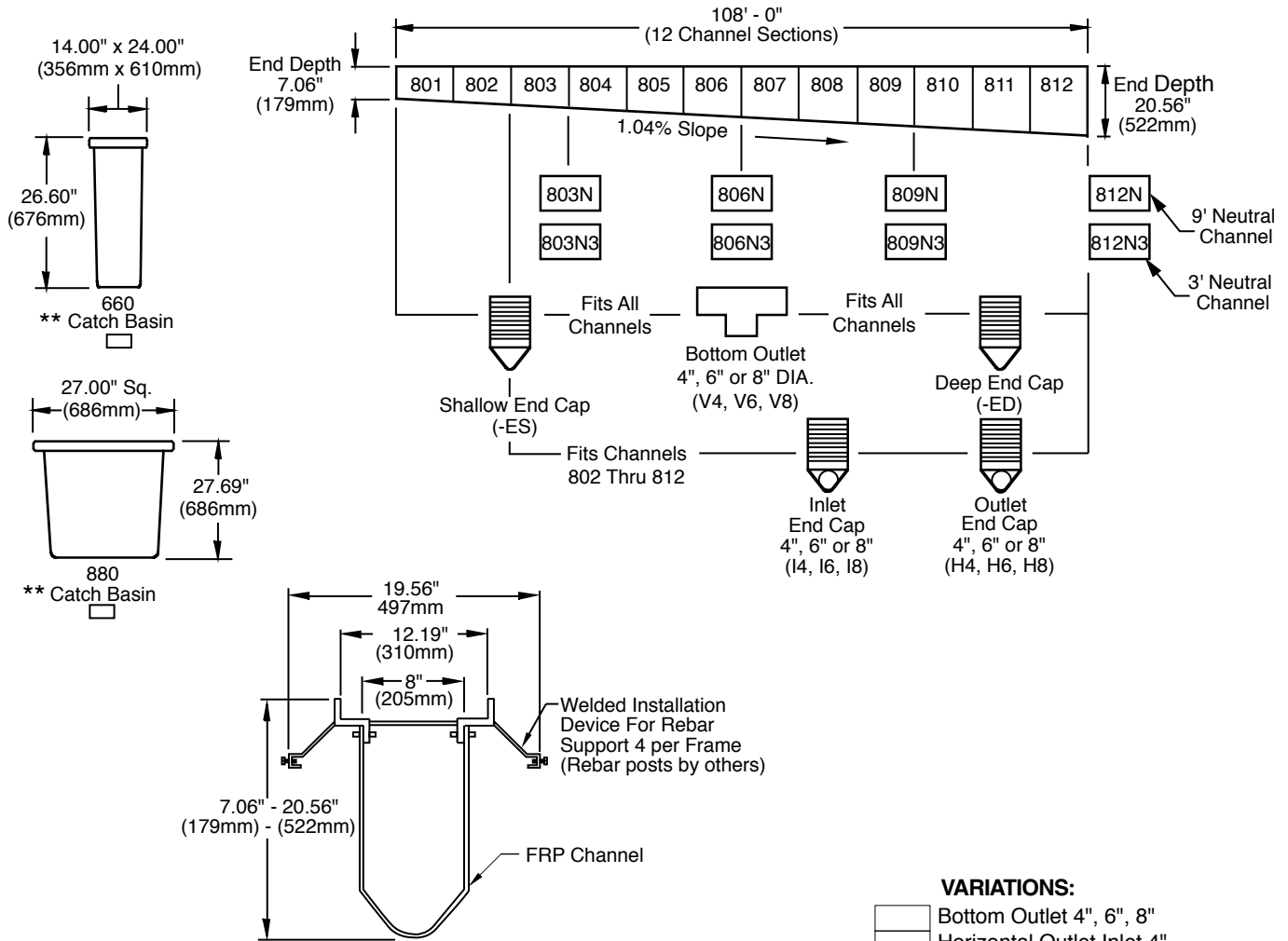


# 12" WIDE HIGH CAPACITY PRE-SLOPED FIBERGLASS TRENCH DRAIN SYSTEM

**FUNCTION:** Used in all surface drainage and may be assembled in any length utilizing 9 foot sloped high capacity channels to reduce installation time and labor.



**\*\* SPECIFY CATCH BASIN GRATE**  
 Ductile Iron Slotted Grate

**\*\* Catch Basin Supplied with Load Class "E" Ductile Iron Slotted Grate**

**REGULARLY FURNISHED:**  
 9' Foot Long High Capacity Polyester Fiberglass Channel with Sloped Radius Bottom Surface with Male/Female Connections Providing a High Integrity Lap Joint. Duco Coated Welded Steel Frame Support System with Concrete Anchors (One Pair Every 18 Inches). Supplied with Secured Load Class "E" Ductile Iron Slotted Grate.

**Note:** This trench drainage system is designed for "on grade applications only", as there are no provisions for a flashing flange or flashing clamp.

**VARIATIONS:**

- Bottom Outlet 4", 6", 8"
- Horizontal Outlet Inlet 4" (802 Thru 812 Channel)
- Horizontal Outlet Inlet 6" (803 Thru 812 Channel)
- Horizontal Outlet Inlet 8" (805 Thru 812 Channel)
- Universal Shallow Closing End Cap
- Universal Deep Closing End Cap
- 880 Catch Basin
- 660 Catch Basin
- Plastic Bucket 880 Catch Basin
- Plastic Bucket 660 Catch Basin



DRAWING NUMBER a9872  
 SIZE A  
 SCALE: NONE  
 DATE: 4-24-12  
 APPROVED BY: MD  
 CHECKED BY: MD  
 DRAWN BY: TBW  
 FIGURE NUMBER 9872  
 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 WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA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 <b>9872</b>
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# 12" WIDE HIGH CAPACITY PRE-SLOPED FIBERGLASS TRENCH DRAIN SYSTEM

DRAWING NUMBER  
a9872BS

SIZE  
A

SCALE:  
NONE

DATE:  
4-24-12

APPROVED BY:  
MD

CHECKED BY:  
MD

DRAWN BY:  
TBW

9872BS

FIGURE NUMBER

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

### Deep End Depths 9872 System

Channel Number	Deep End Depths*		Holding Capacity (gallons)
	in .	mm	
9872-801	8.19	208	18.37
9872-802	9.31	237	22.58
9872-803	10.43	265	26.79
** 9872-803N	10.43	265	28.80
*** 9872-803N3	10.43	265	9.60
9872-804	11.56	294	31.00
9872-805	12.68	322	35.21
9872-806	13.81	351	39.42
** 9872-806N	13.81	351	41.50
*** 9872-806N3	13.81	351	13.83
9872-807	14.93	379	43.63
9872-808	16.06	408	47.84
9872-809	17.18	436	52.05
** 9872-809N	17.18	436	54.10
*** 9872-809N3	17.18	436	18.00
9872-810	18.31	465	56.26
9872-811	19.43	494	60.47
9872-812	20.56	522	64.68
** 9872-812N	20.56	522	66.76
*** 9872-812N3	20.56	522	22.25

### Outlet Cap Flow Rates

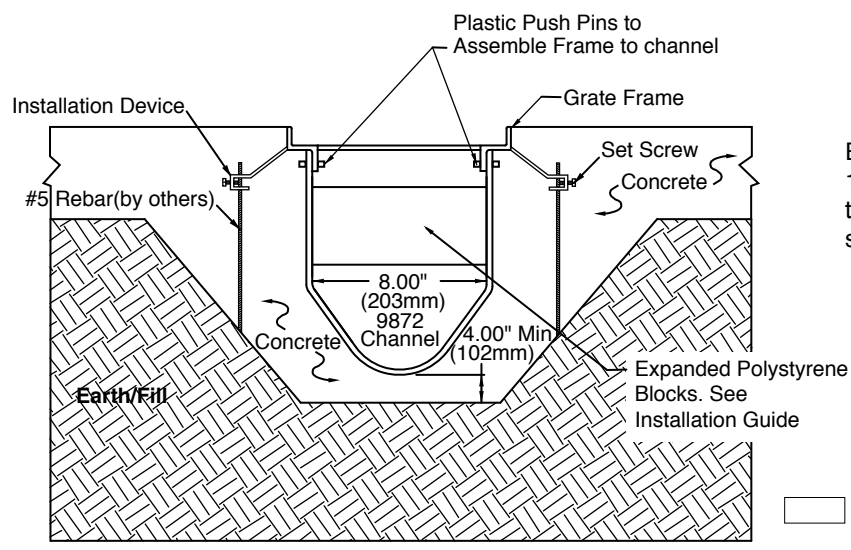
Outlet Size	Channel	Invert Depth	GPM	CFS
4" Vertical	801	8.06(205)	154	0.34
4" Vertical	812	20.43(519)	246	0.54
6" Vertical	801	8.06(205)	346	0.77
6" Vertical	812	20.43(519)	553	1.23
8" Vertical	801	8.06(205)	616	1.37
8" Vertical	812	20.43(519)	982	2.18
4" Horizontal	802	9.18(233)	145	0.33
4" Horizontal	812	20.43(519)	233	0.54
6" Horizontal	803	10.31(262)	330	0.76
6" Horizontal	812	20.43(519)	510	1.17
8" Horizontal	805	12.56(319)	635	1.46
8" Horizontal	812	20.43(519)	880	2.03

Dim's in ( ) are mm.

\*\* 9' Long Neutral Channel  
 \*\*\* 3' Long Neutral Channel

**Note:** This trench drainage system is designed for "on grade applications only", as there are no provisions for a flashing flange or flashing clamp.

\*The end depths include grate frame.



**TYPICAL INSTALLATION CROSS SECTION**

Extra Heavy Duty, DIN 19580 Class E - 135,000 lbs - 2,788 psi For commercial solid tire traffic patterns, forklifts and impacts from steel struts or metal wheels.

9872-M Slotted Ductile Iron Grate 61.25 Sq. In.



REV.	DATE	DESCRIPTION	BY	CKD. BY	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
							<b>9872BS</b>