

G



**JAY R. SMITH MFG. CO.**  
 MEMBER OF MORRIS GROUP INTERNATIONAL  
 POST OFFICE BOX 3237  
 MONTGOMERY, ALABAMA 36109-0237 (USA)  
 TEL: 334-277-8520 FAX: 334-272-7396 www.jrsmith.com

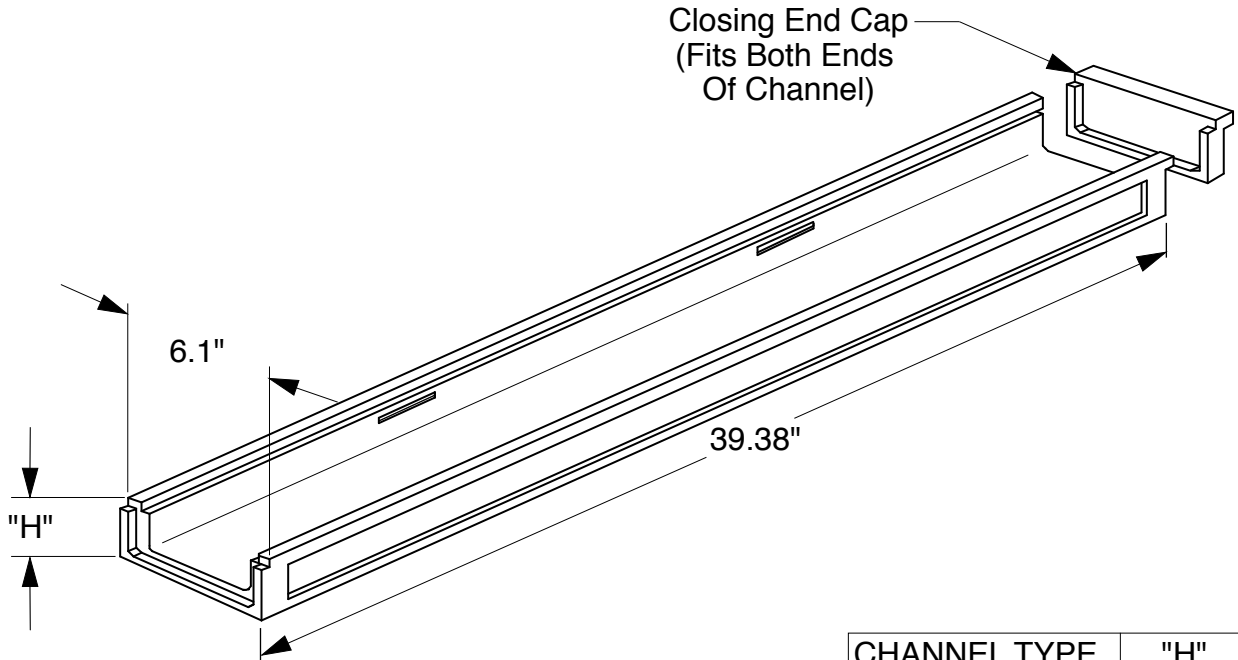


MEMBER OF:

LOCATION

# SHALLOW CHANNEL

**FUNCTION:** Used in surface drainage applications where installation depth is restricted. Channels may be assembled in any length utilizing interlocking tongue and groove ends. This reduces installation time and cost, providing an engineered solution to drainage requirements.



CHANNEL TYPE	"H"
080	3.10"
0100	3.90"

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

**NOTE:** Channels are provided with Vertical Preformed Knock-Out for 4" sch. 40 PVC Pipe.

#### VARIATIONS:

Grate Specifications (See Back)

#### Channel Type 080

Closing End Cap Universal

#### Channel Type 0100

Closing End Cap Universal

#### REGULARLY FURNISHED:

1 meter (3.28') Precast Polyester Concrete Channel of Interlocking Design with a Non-Sloping Bottom. Supplied with Secured Grate as Per Specification.

**SMITH<sup>®</sup> ACO**  
**Trench Drain Series**

DRAWING NUMBER  
a9832SIZE  
ASCALE:  
NONEDATE:  
9-28-93

APPROVED BY:

CHECKED BY:  
PACEDRAWN BY:  
TWK

9832

FIGURE  
NUMBER

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

REV.	DATE	DESCRIPTION	BY	CKD. BY
G	1-31-14	Deleted Vinylester Material	TBW	PJ
F	6-17-05	Added Note	TBW	PJ
E	9-27-04	Deleted 4" Bottom Outlet	RN	PJ
D	9/5/02	Added New ACO Logo	RN	MD

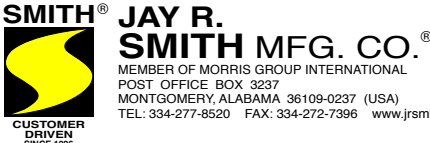




WEIGHT  
POUNDSVOLUME  
CUBIC FEET

FIGURE NUMBER

9832



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

<b>G</b>	   	<b>LOCATION</b>																
DRAWING NUMBER <b>a9832BS</b>	<h1>SHALLOW CHANNEL</h1>																	
SCALE: <b>NONE</b>	<p style="text-align: center;">Light Duty, DIN 19580 <b>Class A</b> - 3,500 lbs - 70 psi For pedestrian, wheel chair and bicycle traffic</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> 9870-410-GP- 1/4" dia. perforated galv. steel grate (27.60 SQ. IN.)</li> <li><input type="checkbox"/> 9870-420-G - 3 1/4" x 3/8" slotted galv. steel grate (42.60 SQ. IN.)</li> <li><input type="checkbox"/> 9870-450-SS 3 1/4" x 3/8" slotted stainless steel grate (42.60 SQ. IN.)</li> <li><input type="checkbox"/> 9870-451-SSPA- 1/4" dia. perforated stainless steel grate (27.60 SQ. IN.)</li> <li><input type="checkbox"/> 9870-445-SSADA- 3/16" x 3/16" longitudinal stainless steel slot bar grate (95.00 SQ. IN.)</li> <li><input type="checkbox"/> 9870-494-PADA- 1 3/4" x 5/16" longitudinal slot black polypropylene grate (28.0 SQ. IN.)</li> <li><input type="checkbox"/> 9870-491-HPP- 1 13/16" x .25" slotted black polypropylene grate non-Q-loc (17.00 SQ. 1N.)</li> </ul> <p style="text-align: center;">Heavy Duty, DIN 19580 <b>Class C</b> -56,000 lbs - 1,162 psi For commercial pneumatic tire traffic patterns, forklifts and tractor trailers</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> 9870-405-GM- 1 3/16" x 1/2" longitudinal galv. steel slot bar grate (125.30 SQ. IN.)</li> <li><input type="checkbox"/> 9870-411-GPHD- 1/4" dia. perforated galv. steel grate (27.60 SQ. IN.)</li> <li><input type="checkbox"/> 9870-425-GHD- 3 1/4" x 3/8" slotted galv. steel grate (42.60 SQ. IN.)</li> <li><input type="checkbox"/> 9870-430-SSM- 1 3/16" x 1/2" longitudinal stainless steel slot bar grate (125.30 SQ. IN.)</li> <li><input type="checkbox"/> 9870-455-SSHD- 3 1/4" x 3/8" slotted stainless steel grate (42.60 SQ. IN.)</li> <li><input type="checkbox"/> 9870-460-CI- 3 15116" x 3/8" cast iron slotted grate (2 1.00 SQ.1N) n 0,) non-Q-Loc</li> <li><input type="checkbox"/> 9870-465-SSP- 1/4" dia. perforated stainless steel gate (27.60 SQ. IN.)</li> <li><input type="checkbox"/> 9870-477-ML- 1 3/4" x 1 longitudinal ductile iron slotted grate (42.00 SQ. IN.)</li> <li><input type="checkbox"/> 9870-479-MD- Mosaic pattern ductile iron grate (19.50 SQ. 1N)</li> <li><input type="checkbox"/> 9870-492-RC- 1 1/2" x 13/16" slotted resin composite grate (16.30 SQ. IN.)</li> </ul>																	
DATE: <b>9-28-93</b>	<p><b>NOTE:</b> The grate securing bolts must remain secured in the grate and tightened to the locking bar installed in the channel. If the grate securing bolts are removed from the grates for maintenance of the trench drain, they must be replaced and re-tightened. If the grate securing bolts are left out of the grates, the life span of the trench drain system could be affected along with the safety of pedestrian traffic.</p>																	
APPROVED BY: <b>PACE</b>																		
DRAWN BY: <b>TWK</b>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%; text-align: center;">G F E D</td> <td style="width:25%;"> <b>9-9-14</b>  <b>1-31-14</b>  <b>8-19-05</b>  <b>9/16/02</b> </td> <td style="width:30%;"> <b>Deleted 9870-440-VF/VF2</b>  <b>Revised Grate Table</b>  <b>Revised Grate Table</b>  <b>Added New ACO Logo</b> </td> <td style="width:10%; text-align: center;"> <b>TBW</b>  <b>TBW</b>  <b>TBW</b>  <b>RN</b> </td> <td style="width:10%; text-align: center;"> <b>PJ</b>  <b>PJ</b>  <b>PJ</b>  <b>MD</b> </td> <td style="width:10%; text-align: center;"> <b>WEIGHT</b>  <b>POUNDS</b> </td> <td style="width:10%; text-align: center;"> <b>VOLUME</b>  <b>CUBIC FEET</b> </td> <td style="width:10%; text-align: center;"> <b>FIGURE NUMBER</b>   <b>9832BS</b> </td> </tr> <tr> <td style="text-align: center;">REV.</td> <td style="text-align: center;">DATE</td> <td style="text-align: center;">DESCRIPTION</td> <td style="text-align: center;">BY</td> <td style="text-align: center;">CKD. BY</td> <td></td> <td></td> <td></td> </tr> </table>		G F E D	<b>9-9-14</b> <b>1-31-14</b> <b>8-19-05</b> <b>9/16/02</b>	<b>Deleted 9870-440-VF/VF2</b> <b>Revised Grate Table</b> <b>Revised Grate Table</b> <b>Added New ACO Logo</b>	<b>TBW</b> <b>TBW</b> <b>TBW</b> <b>RN</b>	<b>PJ</b> <b>PJ</b> <b>PJ</b> <b>MD</b>	<b>WEIGHT</b> <b>POUNDS</b>	<b>VOLUME</b> <b>CUBIC FEET</b>	<b>FIGURE NUMBER</b>  <b>9832BS</b>	REV.	DATE	DESCRIPTION	BY	CKD. BY			
G F E D	<b>9-9-14</b> <b>1-31-14</b> <b>8-19-05</b> <b>9/16/02</b>	<b>Deleted 9870-440-VF/VF2</b> <b>Revised Grate Table</b> <b>Revised Grate Table</b> <b>Added New ACO Logo</b>	<b>TBW</b> <b>TBW</b> <b>TBW</b> <b>RN</b>	<b>PJ</b> <b>PJ</b> <b>PJ</b> <b>MD</b>	<b>WEIGHT</b> <b>POUNDS</b>	<b>VOLUME</b> <b>CUBIC FEET</b>	<b>FIGURE NUMBER</b>  <b>9832BS</b>											
REV.	DATE	DESCRIPTION	BY	CKD. BY														
FIGURE NUMBER <b>9832BS</b>	<p style="font-size: small;">DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE</p> <p style="font-size: x-small;">WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA</p>																	