

B

**SMITH® JAY R. SMITH MFG. CO.®**  
 MEMBER OF MORRIS GROUP INTERNATIONAL  
 POST OFFICE BOX 3237  
 MONTGOMERY, ALABAMA, 36109-0237 (USA)  
 TEL: 334-277-8520 FAX: 888-377-7818 www.jrsmith.com



LOCATION

# 14" WIDE 9878-621D-CBS POWERDRAIN CATCH BASIN w/INTEGRAL DUCTILE IRON RAIL

DRAWING NUMBER  
S9878-621D-CBS

SIZE  
A

SCALE:  
NONE

DATE:  
3-26-14

APPROVED BY:  
MRD

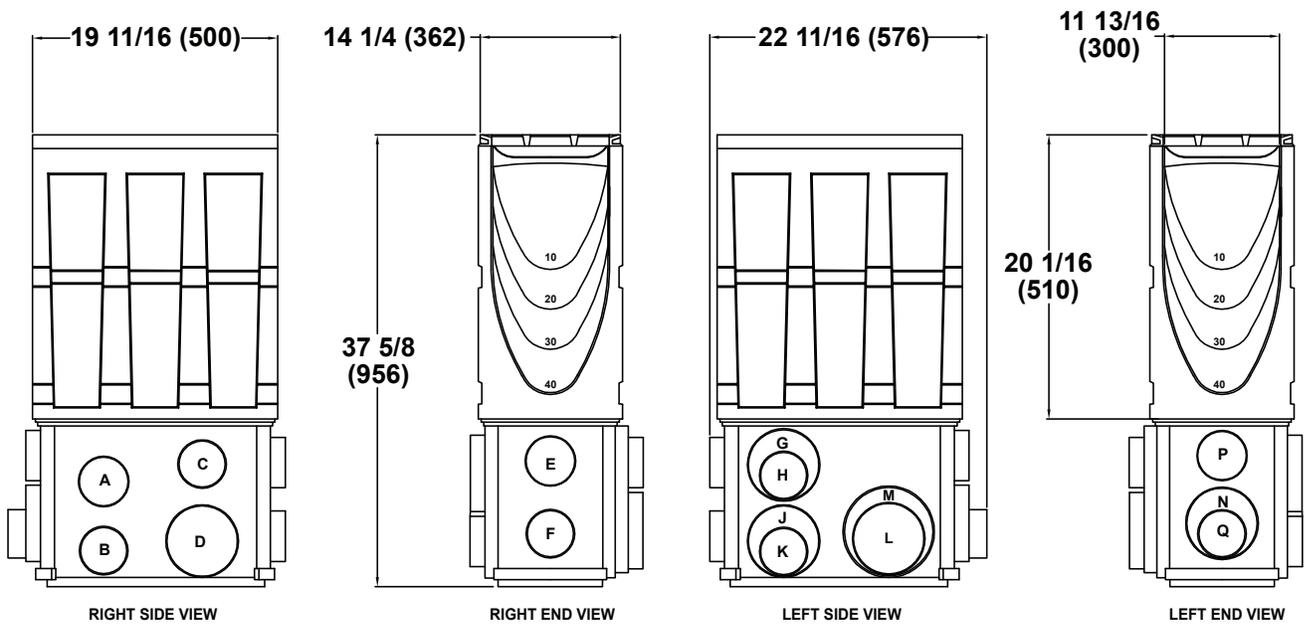
CHECKED BY:  
MRD

DRAWN BY:  
TBW

FIGURE NUMBER  
**9878-621D-CBS**

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE



**Note: See Back For Outlet Sizes And Flow Capacities**

**REGULARLY FURNISHED:**  
 1/2 meter (1.64') Precast Polyester Concrete Catch Basin with an Integral Ductile Iron Edge Rail. Total Capacity Of 25 Gallons. Supplied with Secured Ductile Iron Slotted Grate and Plastic Sediment Bucket.

- VARIATIONS:**
- Grate Specifications (See Back)
  - 9878-UNV Universal 6"/8"/10" Closing/Inlet/Outlet End Cap
  - 9878-FAT Foul Air Trap (4" only) -FAT
  - 9878-GRT Grate Removal Tool

**Note:** This Trench Drain System is Designed for "On Grade Applications Only" as there are No Provisions for a Flashing Flange or Flashing Clamp.

**Note:** This Catch Basin Comes Standard with Polymer Concrete Top, Powerlok Ductile Iron Slotted Grate, Plastic Riser, Plastic Bucket, and Plastic Base.



REV.	DATE	DESCRIPTION	BY	CKD. BY	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
B	1-27-2	Revised Variations	TB	KV			<b>9878-621D-CBS</b>
A	9-11-23	Removed Function	HS	CL			

A



**JAY R. SMITH MFG. CO.**  
 MEMBER OF MORRIS GROUP INTERNATIONAL  
 POST OFFICE BOX 3237  
 MONTGOMERY, ALABAMA 36109-0237 (USA)  
 TEL: 334-277-8520 FAX: 888-377-7818 www.jrsmith.com



MEMBER OF:



LOCATION

# 14" WIDE 9878-621D-CBS POWERDRAIN CATCH BASIN w/INTEGRAL DUCTILE IRON RAIL

Outlet Flow Rates

Outlet	Outlet Size	Invert Inches	Invert mm	GPM	CFS
A	4" round	41.80	1062	343	0.77
B	4" round	48.29	1227	370	0.83
C	4" round	40.22	1022	337	0.75
D	6" round	48.29	1227	824	1.84
E	4" round	40.38	1027	337	0.75
F	4" round	46.88	1191	365	0.81
G	6" round	41.15	1045	757	1.69
H	4" round	40.59	1031	338	0.75
J	6" round	48.28	1226	824	1.84
K	4" round	47.72	1212	368	0.82
L	6" round	47.72	1212	819	1.83
M	8" round	48.28	1226	1449	3.23
N	6" round	46.78	1188	810	1.81
P	4" round	39.65	1007	334	0.74
Q	4" round	46.38	1178	363	0.81

**Note:** These are the pipe flow rates at the specified outlet, NOT channel flow rates. Catch basin flow rates are without trash bucket - using trash bucket reduces flow.

Extra Heavy Duty, EN 1433 Load  
 Class E: 135,00 lbs - 2323 psi. For commercial solid tire forklift traffic patterns, fork lifts and impacts from steel struts or metal wheels.

\*  **9879-ADAG Powerlok ADA** - 1 3/8 x 7/16 longitudinal ductile iron slotted grate (56.00 sq in.)

Extra Heavy Duty, EN 1433 Load  
 Class F: 202,320 lbs - 4182 psi. For aircraft runways, docks, heavy fork trucks, and heavy wheel loads.

\*  **9879-SLG Powerlok Slotted** - 3 13/16 x 7/16 ductile iron slotted grate (126.00 sq. in.)

\*Available With Powerlok Locking Devices Only

DRAWING NUMBER  
9878-621D-CBS-BS

SIZE  
A

SCALE:  
NONE

DATE:  
3-26-14

APPROVED BY:  
MRD

CHECKED BY:  
MRD

DRAWN BY:  
TBW

FIGURE NUMBER  
9878-621D-CBS-BS

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

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE



1-27-2	Revised Selections	TB	KV	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
REV.	DATE	DESCRIPTION	BY	CKD. BY		<b>9878-621D-CBS-BS</b>