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**SMITH® JAY R. SMITH MFG. CO.®**  
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MEMBER OF:

LOCATION

# 14" WIDE 9879 POWERLOK® DRAIN SYSTEM w/INTEGRAL DUCTILE IRON EDGE RAIL

DRAWING NUMBER  
**9879**

SIZE  
**A**

SCALE:  
**NONE**

DATE:  
**4-6-15**

APPROVED BY:  
**PJ**

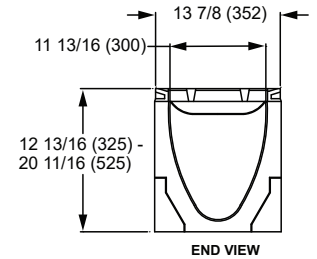
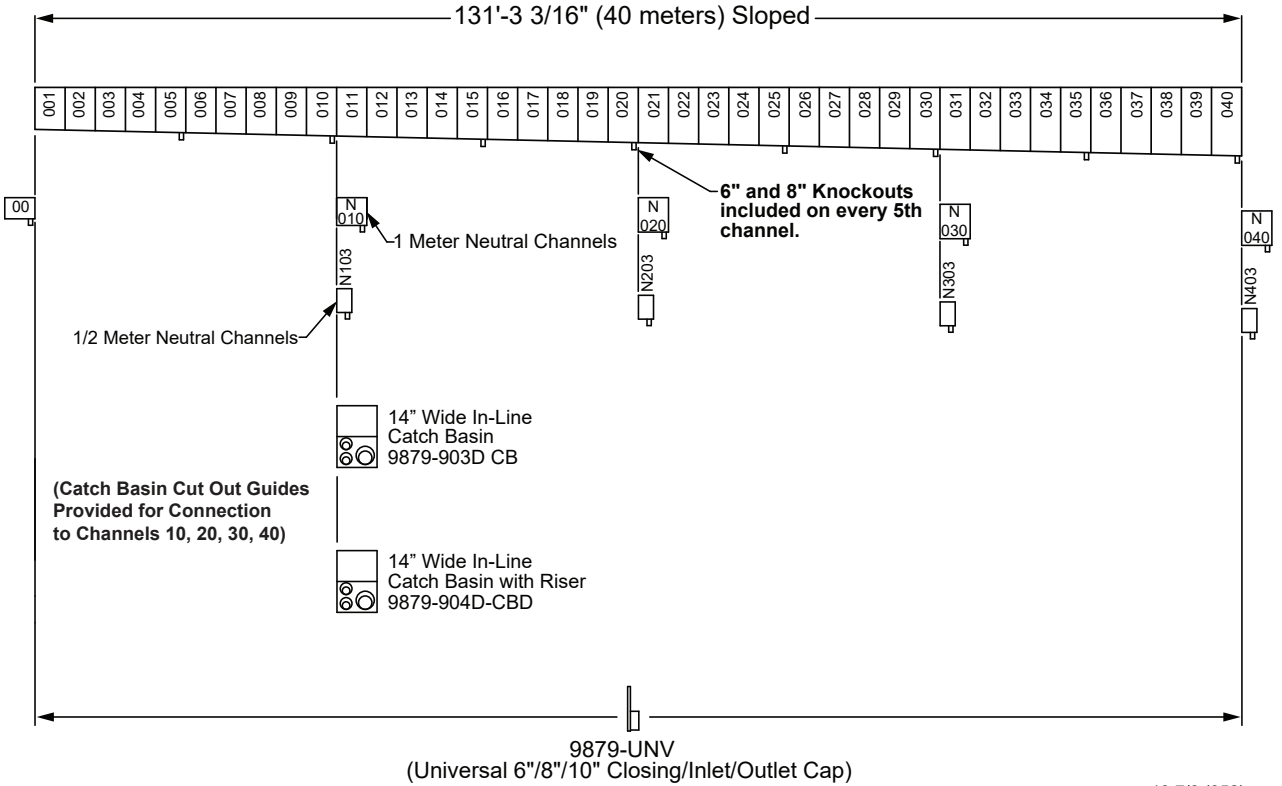
CHECKED BY:  
**PJ**

DRAWN BY:  
**TBW**

**9879**

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE



**REGULARLY FURNISHED:**

1 meter (3.28') Precast Polymer Concrete Channel of Interlocking Design with a Built In Slope of .5%. Channel has an Integral Ductile Iron Edge Rail, Radiused Bottom and 12" Internal Width. Supplied with Secured Ductile Iron Slotted Grate.

**VARIATIONS:**

- Grate Specifications (See Back Sheet)
- 9879-UNV 6"/8"/10" Closing/Inlet/Outlet End Cap
- 9879-903D Catch Basin
- 9879-904D Catch Basin
- 9879-FAT Foul Air Trap (4" only)
- 9879-ID Installation Device
- 9879-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:** Catch Basins Come Standard with Plastic Buckets and Secured Ductile Iron Grate Per Specification.



REV.	DATE	DESCRIPTION	BY	CKD. BY	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
C B A	1-6-26 9-1-23 12-14-15	Revised Variations and Text Removed Function Updated Outlet Cap	TB HS TBW	KV CL Pace			<b>9879</b>



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

\*  **9879-ADAG  
Powerlok ADA - 1 3/8 x 7/16 longitudinal ductile  
iron slotted grate (126.40 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 (136.60 sq. in.)**

\*Available With Powerlok Locking Devices Only

▲ 1/2 Meter In Length

## DEEP END DEPTHS 9879 SYSTEM

Channel Number	Deep End Invert Inch	mm	Slope	Slotted Weight Lbs.	ADA Weight Lbs.
9878-00	11.81	300	0.0%	230.2	258.2
9878-001	12.01	305	0.5%	230.2	258.2
9878-002	12.20	310	0.5%	231.4	259.4
9878-003	12.40	315	0.5%	232.7	260.7
9878-004	12.60	320	0.5%	233.9	261.9
9878-005	12.80	325	0.5%	235.1	263.1
9878-006	12.99	330	0.5%	236.4	264.4
9878-007	13.19	335	0.5%	237.6	265.6
9878-008	13.39	340	0.5%	238.8	266.8
9878-009	13.58	345	0.5%	240.0	268.0
9878-010	13.78	350	0.5%	241.3	269.3
9878-N010	13.78	350	0.0%	241.3	269.3
▲ 9878-N103	13.78	350	0.0%	127.9	141.9
9878-011	13.98	355	0.5%	242.5	270.5
9878-012	14.17	360	0.5%	243.7	271.7
9878-013	14.37	365	0.5%	245.0	273.0
9878-014	14.57	370	0.5%	246.2	274.2
9878-015	14.76	375	0.5%	247.4	275.4
9878-016	14.96	380	0.5%	248.7	276.7
9878-017	15.16	385	0.5%	249.9	277.9
9878-018	15.35	390	0.5%	251.1	279.1
9878-019	15.55	395	0.5%	252.4	280.4
9878-020	15.75	400	0.5%	253.6	281.6
9878-N020	15.75	400	0.0%	253.6	281.6
▲ 9878-N203	15.75	400	0.0%	134.9	148.9
9878-021	15.94	405	0.5%	254.8	282.8
9878-022	16.14	410	0.5%	256.1	284.1
9878-023	16.34	415	0.5%	257.3	285.3
9878-024	16.54	420	0.5%	258.5	286.5
9878-025	16.73	425	0.5%	259.7	287.7
9878-026	16.93	430	0.5%	261.0	289.0
9878-027	17.13	435	0.5%	262.2	290.2
9878-028	17.32	440	0.5%	263.4	291.4
9878-029	17.52	445	0.5%	264.7	292.7
9878-030	17.72	450	0.5%	265.9	293.9
9878-N030	17.72	450	0.0%	265.9	293.9
▲ 9878-N303	17.72	450	0.0%	142.1	156.1
9878-031	17.91	455	0.5%	267.1	295.1
9878-032	18.11	460	0.5%	268.4	296.4
9878-033	18.31	465	0.5%	269.6	297.6
9878-034	18.50	470	0.5%	270.8	298.8
9878-035	18.70	475	0.5%	272.1	300.1
9878-036	18.90	480	0.5%	273.3	301.3
9878-037	19.09	485	0.5%	274.5	302.5
9878-038	19.29	490	0.5%	275.7	303.7
9878-039	19.49	495	0.5%	277.0	305.0
9878-040	19.69	500	0.5%	278.2	306.2
9878-N040	19.69	500	0.0%	278.2	306.2
▲ 9878-N403	19.69	500	0.0%	150.3	164.3

Note: For overall depth of channel add 1.00" to invert depth shown.



FIGURE NUMBER	REV.	DATE	DESCRIPTION	BY	CKD. BY
<b>9879BS</b>	A	1-6-26	Revised Table and Text	TB	KV

WEIGHT POUNDS	VOLUME CUBIC FEET

**FIGURE NUMBER**  
**9879BS**