

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



MEMBER OF:



LOCATION

6" WIDE 9877 POWERDRAIN® DRAIN SYSTEM w/INTEGRAL DUCTILE IRON EDGE RAIL

DRAWING NUMBER
S9877

SIZE
A

SCALE:
NONE

DATE:
4-2-15

APPROVED BY:
PJ

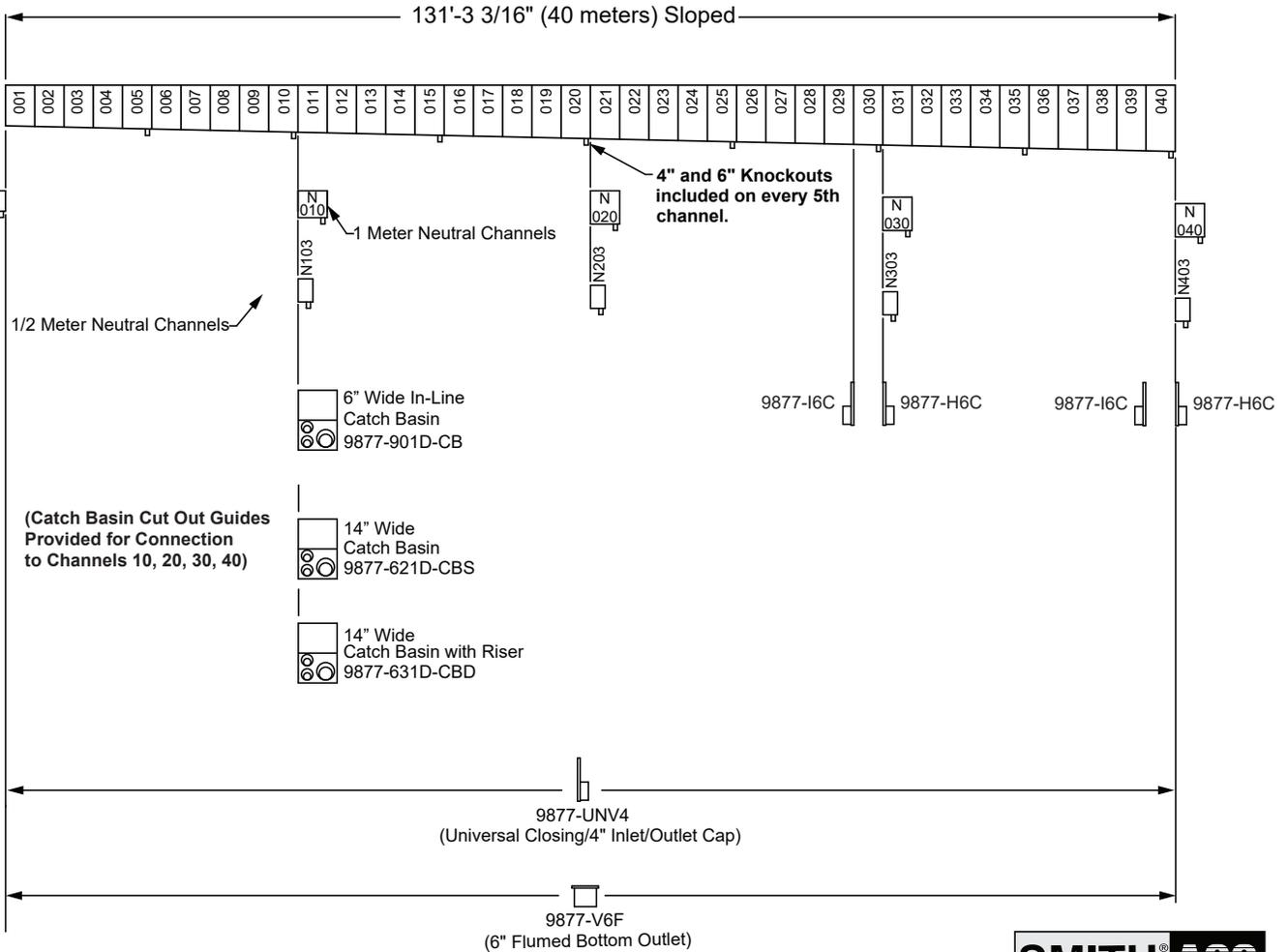
CHECKED BY:
PJ

DRAWN BY:
TBW

9877

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA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 4" Internal Width. Supplied with Secured Ductile Iron Slotted Grates.

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 Polymer Concrete Top, Plastic Bucket, Plastic Base and Ductile Iron Grate as Specified.

VARIATIONS:

- Grate Specifications (See Back Sheet)
- 9877-UNV4 Universal Closing/4" Inlet/Outlet Cap
- 9877-V6F 6" Flumed Bottom Outlet
- 9877-H6C 6" Outlet End Cap F/ Channel #30
- 9877-H6D 6" Outlet End Cap F/ Channel #40
- 9877-I6C 6" Inlet End Cap F/ Channel #30
- 9877-I6D 6" Inlet End Cap F/ Channel #40
- 9877-901D-CB Catch Basin
- 9877-621D-CBS Catch Basin
- 9877-631D-CBD Catch Basin
- 9877-FAT Foul Air Trap (4" only)
- 9854-STR Plastic Dome Bottom Strainer (4" only)
- 9877-ID Installation Device
- 9877-GRT Grate Removal Tool

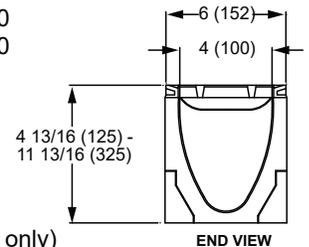


FIGURE NUMBER	B A	1-6-26 9-1-23	Revised Variations and Text Removed Function	TB HS	KV CL	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER 9877
REV.	DATE	DESCRIPTION		BY	CKD. BY			

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6" WIDE 9877 POWERDRAIN® DRAIN SYSTEM w/INTEGRAL DUCTILE IRON EDGE RAIL

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

LENGTH DEEP END DEPTHS 9877 SYSTEM

Channel Number	Deep End Inch	Invert mm	Slope	Slotted Weight Lbs.	ADA Weight Lbs.
9877-00	3.94	100	0.0%	74.1	76.7
9877-001	4.13	105	0.5%	74.1	76.7
9877-002	4.33	110	0.5%	75.1	77.7
9877-003	4.53	115	0.5%	76.1	78.7
9877-004	4.72	120	0.5%	77.1	79.7
9877-005	4.92	125	0.5%	78.1	80.7
9877-006	5.12	130	0.5%	79.1	81.7
9877-007	5.31	135	0.5%	80.1	82.7
9877-008	5.51	140	0.5%	81.1	83.7
9877-009	5.71	145	0.5%	82.1	84.7
9877-010	5.91	150	0.5%	83.1	85.7
9877-N010	5.91	150	0.0%	83.1	85.7
▲ 9877-N103	5.91	150	0.0%	42.4	43.7
9877-011	6.10	155	0.5%	84.1	86.7
9877-012	6.30	160	0.5%	85.1	87.7
9877-013	6.50	165	0.5%	86.1	88.7
9877-014	6.69	170	0.5%	87.1	89.7
9877-015	6.89	175	0.5%	88.1	90.7
9877-016	7.09	180	0.5%	89.1	91.7
9877-017	7.28	185	0.5%	90.1	92.7
9877-018	7.48	190	0.5%	91.1	93.7
9877-019	7.68	195	0.5%	92.1	94.7
9877-020	7.88	200	0.5%	93.1	95.7
9877-N020	7.88	200	0.0%	93.1	96.7
▲ 9877-N203	7.88	200	0.0%	46.9	48.2
9877-021	8.07	205	0.5%	94.1	96.7
9877-022	8.27	210	0.5%	95.1	98.6
9877-023	8.46	215	0.5%	96.0	98.6
9877-024	8.66	220	0.5%	97.0	99.6
9877-025	8.86	225	0.5%	98.0	100.6
9877-026	9.06	230	0.5%	99.0	101.6
9877-027	9.25	235	0.5%	100.0	102.6
9877-028	9.45	240	0.5%	101.0	103.6
9877-029	9.65	245	0.5%	102.0	104.6
9877-030	9.84	250	0.5%	103.0	105.6
9877-N030	9.84	250	0.0%	103.0	105.6
▲ 9877-N303	9.84	250	0.0%	51.4	52.7
9877-031	10.04	255	0.5%	104.0	106.6
9877-032	10.24	260	0.5%	105.0	107.6
9877-033	10.43	265	0.5%	106.0	108.6
9877-034	10.63	270	0.5%	107.0	109.6
9877-035	10.83	275	0.5%	108.0	110.4
9877-036	11.02	280	0.5%	109.0	111.2
9877-037	11.22	285	0.5%	110.0	112.6
9877-038	11.42	290	0.5%	111.0	113.6
9877-039	11.61	295	0.5%	112.0	114.6
9877-040	11.81	300	0.5%	113.0	115.6
9877-N040	11.81	300	0.0%	113.0	115.6
▲ 9877-N403	11.81	300	0.0%	56.0	57.3

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



DRAWING NUMBER: 9877BS
 SIZE: A
 SCALE: NONE
 DATE: 4-2-15
 APPROVED BY: PJ
 CHECKED BY: PJ
 DRAWN BY: TBW
 9877BS
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FIGURE NUMBER	A	1-6-26	Revised Table and Text	TB	KV	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
REV.	DATE	DESCRIPTION	BY	CKD. BY				9877BS