

2X Ø36.00" BOLTED & GASKETED ACCESS COVERS.  
 RISERS & SLAB T&G IMPRESSIONS AS REQUIRED.  
 FIELD POURED CONCRETE COLLAR REQUIRED,  
 BY OTHERS. SEE NOTE 2.

TOP SLAB  
 RISER T&G IMPRESSION,  
 AS REQUIRED.

VENTED  
 OUTLET HOOD.

Ø24" MAXIMUM.  
 SEE NOTE 3.

BASE.

BASE SECTION.

PERK FILTER™  
 CARTRIDGES.

CONCRETE FALSE FLOOR.

OUTLET CHAMBER.

Ø24" MAXIMUM.  
 SEE NOTE 3.

INLET GALLERY.

CONCRETE DIVIDER WALL.

3X INLET WEIR/BYPASS ASSEMBLY.

Notes:

1. Precast concrete structure shall be manufactured in accordance with ASTM Designation C857 and C858.
2. Filter system shall be supplied with traffic rated (H20) bolted & gasketed Ø36" circular access covers with risers as required. Shallow applications may require configurations with (H20) bolted & gasketed square/rectangular access hatches. Field poured concrete collars required, by others.
3. Inlet & outlet pipe(s) (Ø 24" maximum) may enter device on all three sides of the inlet & outlet chambers respectively.
4. Inlet chamber shall be supplied with a drain-down device designed to remove standing water between storm events.
5. For depths less than specified minimums contact Oldcastle® Stormwater Solutions for engineering assistance.



Media  
 Filtration

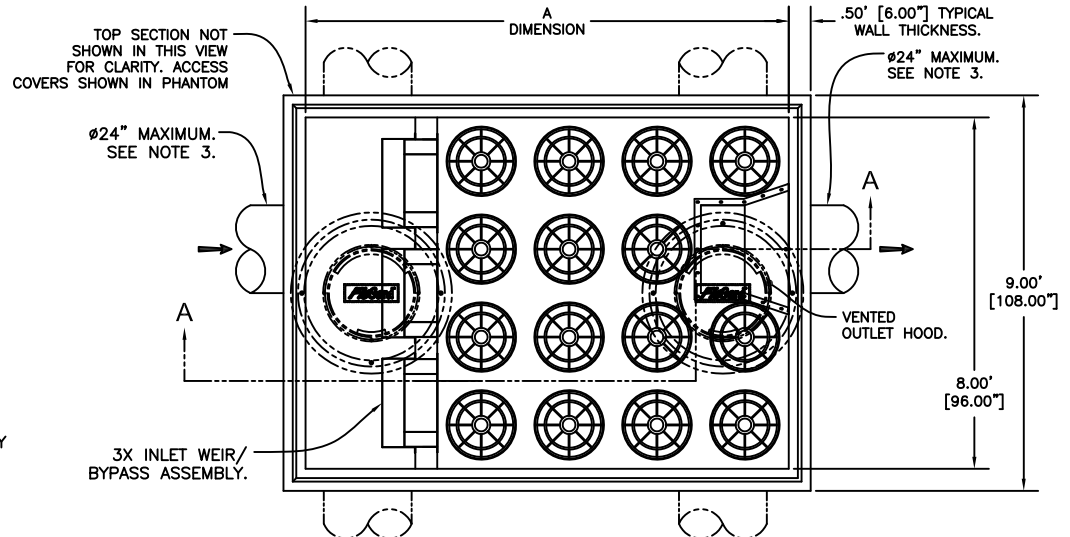
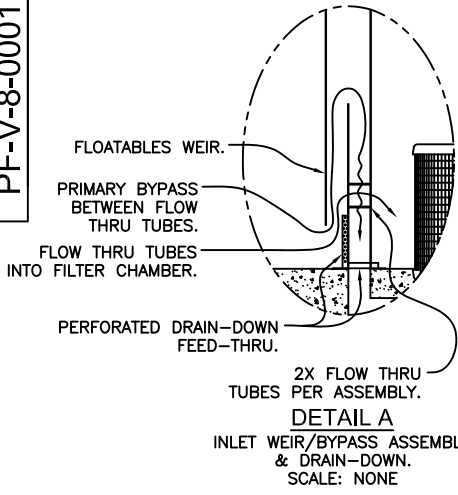
**PerkFilter™**  
 8' Wide Concrete Vault  
 Sixteen to Thirty Four Cartridges /  
 Stacks



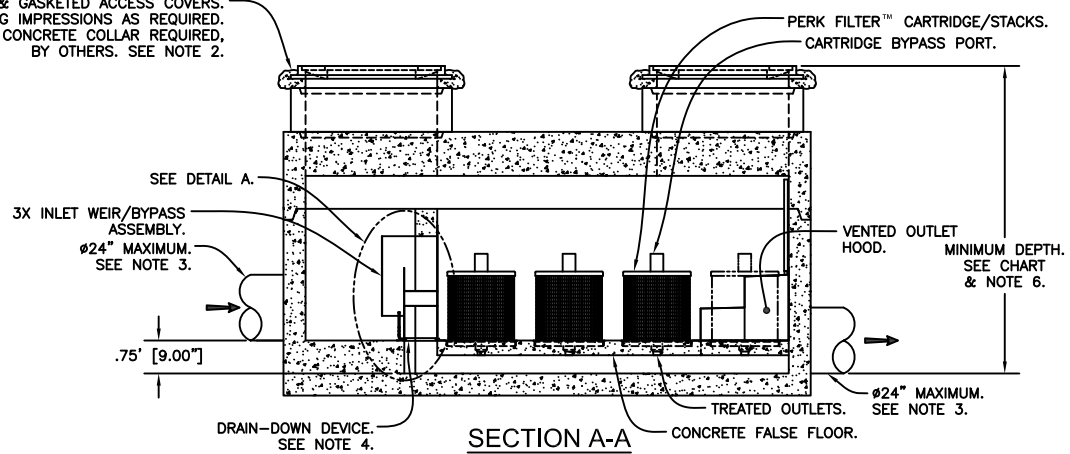
**Oldcastle Infrastructure™**  
 A CRH COMPANY

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2X  $\phi 36.00"$  BOLTED & GASKETED ACCESS COVERS. RISERS & SLAB T&G IMPRESSIONS AS REQUIRED. FIELD POURED CONCRETE COLLAR REQUIRED, BY OTHERS. SEE NOTE 2.



**MINIMUM DEPTH -RIM TO OUTLET INVERT-**

CARTRIDGE STACK CONFIGURATION			
12"	18"	12" + 12"	12" + 18"
4.25'	5.00'	5.92'	6.67'

**8' VAULT**

**TREATMENT FLOW RATES, TOTAL FLOW CAPACITIES & MAXIMUM HEAD LOSS**

CARTRIDGE STACK QUANTITY	A DIMENSION -LENGTH- (ID - FT)	CARTRIDGE STACK CONFIGURATION							
		12"		18"		12" + 12"		12" + 18"	
		TREATMENT FLOW RATE (GPM / CFS)	TOTAL FLOW CAPACITY (CFS)	TREATMENT FLOW RATE (GPM / CFS)	TOTAL FLOW CAPACITY (CFS)	TREATMENT FLOW RATE (GPM / CFS)	TOTAL FLOW CAPACITY (CFS)	TREATMENT FLOW RATE (GPM / CFS)	TOTAL FLOW CAPACITY (CFS)
14	12	168 / 0.37	8.8	252 / 0.56	13.0	336 / 0.75	14.9	420 / 0.94	19.9
15	12	180 / 0.40	8.8	270 / 0.60	13.1	360 / 0.80	15.0	450 / 1.00	19.9
16	12	192 / 0.43	8.8	288 / 0.64	13.1	384 / 0.86	15.0	480 / 1.07	20.0
17	12	204 / 0.45	8.9	306 / 0.68	13.2	408 / 0.91	15.1	510 / 1.14	20.1
18	12	216 / 0.48	8.9	324 / 0.72	13.2	432 / 0.96	15.1	540 / 1.20	20.1
19	16	228 / 0.51	8.9	342 / 0.76	13.2	456 / 1.02	15.2	570 / 1.27	20.2
20	16	240 / 0.53	8.9	360 / 0.80	13.3	480 / 1.07	15.2	600 / 1.34	20.3
21	16	252 / 0.56	9.0	378 / 0.84	13.3	504 / 1.12	15.3	630 / 1.40	20.3
22	16	264 / 0.59	9.0	396 / 0.88	13.4	528 / 1.18	15.3	660 / 1.47	20.4
23	16	276 / 0.61	9.0	414 / 0.92	13.4	552 / 1.23	15.4	690 / 1.54	20.5
24	16	288 / 0.64	9.0	432 / 0.96	13.4	576 / 1.28	15.4	720 / 1.60	20.5
25	16	300 / 0.67	9.1	450 / 1.00	13.5	600 / 1.34	15.5	750 / 1.67	20.6
26	16	312 / 0.70	9.1	468 / 1.04	13.5	624 / 1.39	15.5	780 / 1.74	20.7
27	16	324 / 0.72	9.1	486 / 1.08	13.6	648 / 1.44	15.6	810 / 1.80	20.7
28	16	336 / 0.75	9.2	504 / 1.12	13.6	672 / 1.50	15.6	840 / 1.87	20.8
29	20	348 / 0.78	9.2	522 / 1.16	13.6	696 / 1.55	15.7	870 / 1.94	20.9
30	20	360 / 0.80	9.2	540 / 1.20	13.7	720 / 1.60	15.7	900 / 2.01	20.9
31	20	372 / 0.83	9.2	558 / 1.24	13.7	744 / 1.66	15.8	930 / 2.07	21.0
32	20	384 / 0.86	9.3	576 / 1.28	13.8	768 / 1.71	15.8	960 / 2.14	21.1
33	20	396 / 0.88	9.3	594 / 1.32	13.8	792 / 1.76	15.9	990 / 2.21	21.1
34	20	408 / 0.91	9.3	612 / 1.36	13.8	816 / 1.82	15.9	1020 / 2.27	21.2
MAXIMUM HEAD LOSS		1.7 FT		2.3 FT		2.9 FT		3.5 FT	



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*Sixteen to Thirty Four Cartridges / Stacks*



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