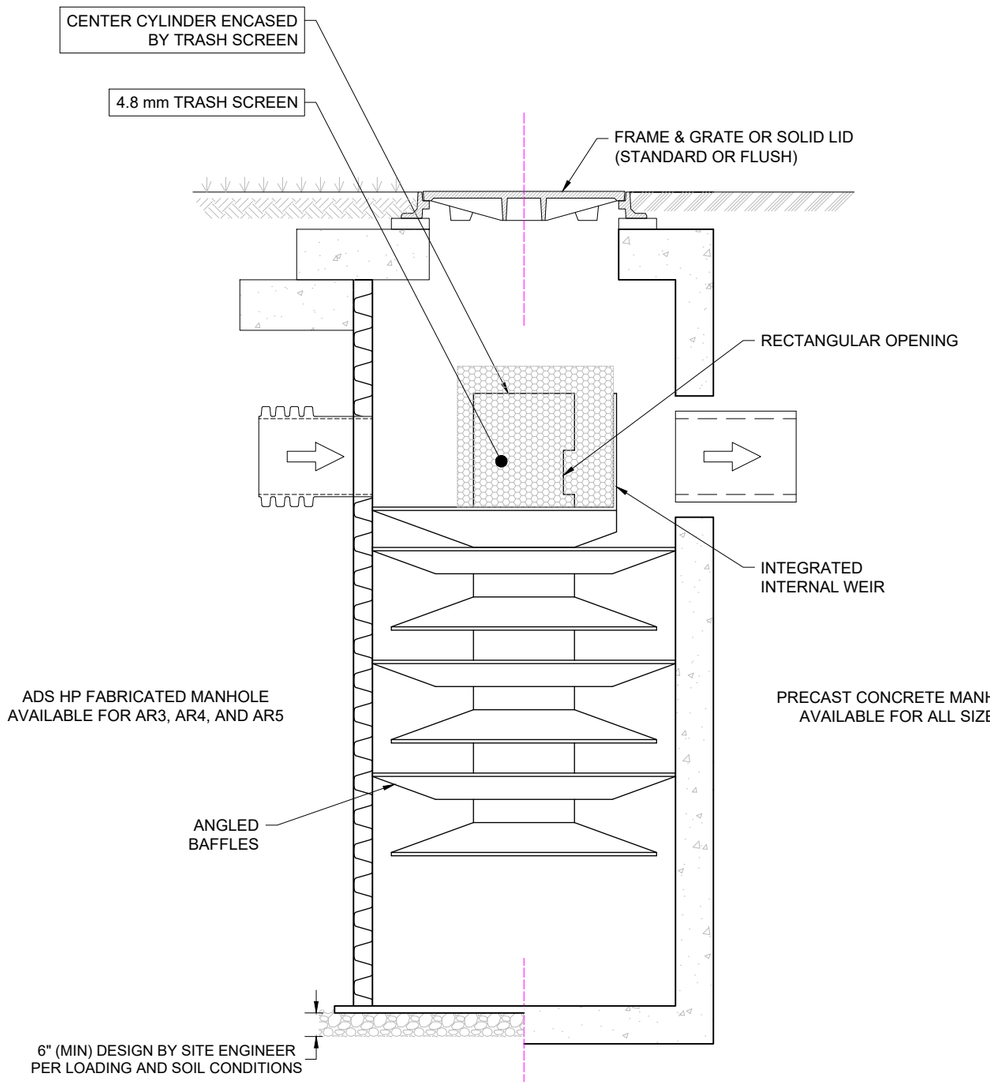
ARCADIA FTC TRASH SCREEN

ARCADIA 3, 4, AND 5 UNITS ARE AVAILABLE IN PRECAST CONCRETE OR ADS FABRICATED HP MANHOLES.
ARCADIA 6, 8, AND 10 UNITS ARE AVAILABLE IN PRECAST MANHOLES ONLY.
CASQA CERTIFIED TRASH FULL CAPTURE SYSTEM

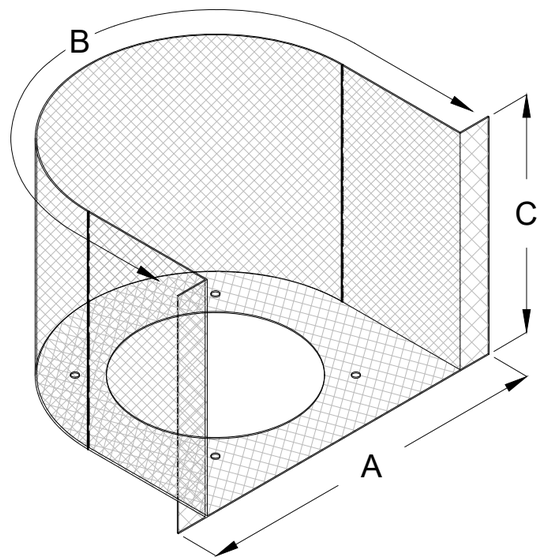


PROFILE VIEW
NTS

MODEL	LINEAR SCREEN WIDTH (IN)	ROLLED SCREEN LENGTH (IN)	SCREEN HEIGHT (IN)	SCREEN NET OPEN AREA[1] (FT^2)	MAX TREATED FLOW[2] (CFS)	BYPASS CAPACITY[3] (CFS)
	A	B	C			
AR3	24	64	24	6	1.9	11
AR4	28	83	24	8	3.4	19
AR5	34	102	24	10	5.4	30
AR6	40	123	24	12	7.7	43
AR8	54	164	24	18	13.8	76
AR10	68	207	24	26	21.5	119

*ALL VALUES ARE CONSERVATIVE ESTIMATES ACCOUNTING FOR SITE SPECIFIC LIMITATIONS. CUSTOM SIZING AVAILABLE UPON REQUEST WHEN STANDARD CONFIGURATIONS DO NOT APPLY.

1. "SCREEN NET OPEN AREA" IS LISTED AS THE PRODUCT OF ROLLED SCREEN LENGTH OR PERIMETER AND SCREEN HEIGHT SUBTRACTING ANY OCCLUDED AREA WHILE ACCOUNTING FOR A 50% REDUCTION IN PERFORATED NET OPEN AREA TO PHYSICAL SCREEN AREA.
2. "MAXIMUM TREATED FLOWS" UTILIZE AN ORIFICE FLOW EQUATION WHERE THE ORIFICE COEFFICIENT (C) HAS A VALUE OF 0.6 AND DOWNSTREAM HEAD HAS AN ASSUMED MAXIMUM 50% SCREEN HEIGHT WHEN CALCULATING HEAD ON THE CENTROID OF SCREEN. TREATMENT FLOW RATES LISTED ARE PER THE ADS ARCADIA HIGH FLOW CAPACITY TRASH FULL CAPTURE SYSTEM APPROVAL, CERTIFIED BY CASQA IN OCTOBER 2025.
3. "BYPASS CAPACITY" CALCULATED WITH A MAXIMUM WATER ELEVATION OF 14.25" OVER THE INSTALLED SCREEN HEIGHT.



ARCADIA FTC
TRASH SCREEN DETAIL

DATE: 10/22/25 DRAWN: JLM
DRAWING #: 530-020 CHECKED: MG/AT

DATE	DWN	CHK

ARCADIA
Stormwater Separator

4640 TRUEMAN BLVD
HILLIARD, OH 43026

THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO ADS/STORMTECH UNDER THE DIRECTION OF THE PROJECT'S ENGINEER OF RECORD ("EOR") OR OTHER PROJECT REPRESENTATIVE. THIS DRAWING IS NOT INTENDED FOR USE IN BIDDING OR CONSTRUCTION WITHOUT THE EOR'S PRIOR APPROVAL. EOR SHALL REVIEW THIS DRAWING PRIOR TO BIDDING AND/OR CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE EOR TO ENSURE THAT THE PRODUCT(S) DEPICTED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.