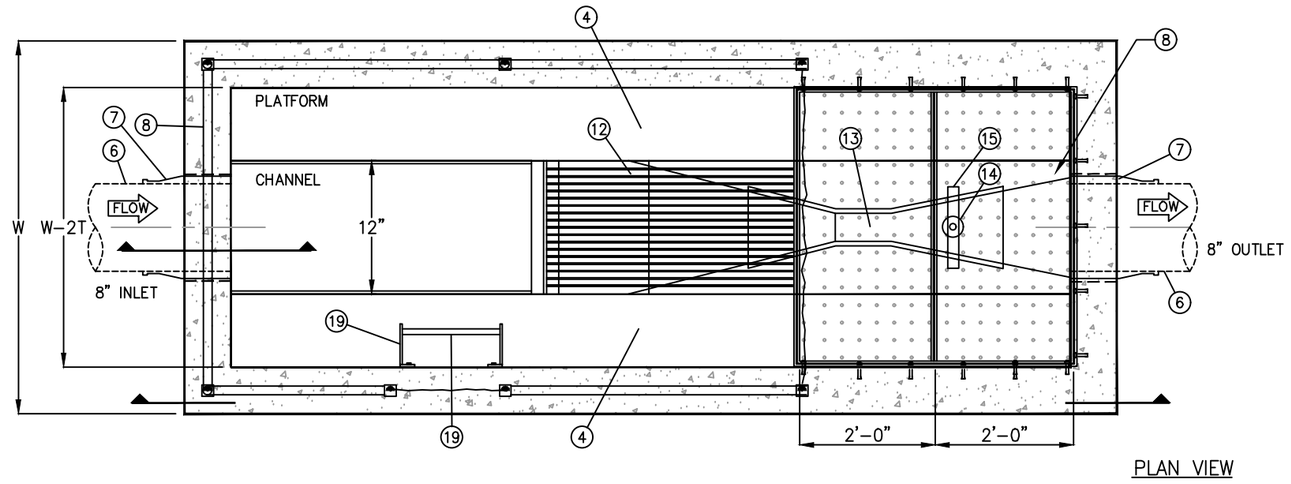


PLAN VIEW

KEYED NOTES		
MARK	QTY	DESCRIPTION
1	1	H20 PRECAST CONCRETE BASIN w/ MONOLITHIC BOTTOM
2	1	ALL JOINTS SEALED w/ PLASTIC FLEXIBLE GASKET MATERIAL
3	1	NAMEPLATE INDICATING: MFG: ParkUSA 888–611–PARK www.ParkUSA.com MODEL: BSAF–XXXX DATE MANUFACTURED
4	–	NON–SLIP CONCRETE PLATFORM
5	–	INTERIOR/EXTERIOR OF ASSEMBLY TO BE LINED WITH WATER PROOFING EPOXY (OPTIONAL)
6	2	6" PIPE STUBOUT
7	2	RESILIENT PIPE CONNECTION (PRESS–SEAL)
8	–	1–1/2" STEEL TUBING HAND RAIL, WELDED & GROUND SMOOTH, HOT DIPPED GALV w/ CHAIN GUARDS & KICKPLATE
9	7	1/4" THK A36 PLATE SECURED TO CONCRETE W/ GALV. BOLTS, NUTS, & WASHERS
10	1	STRUCTURAL STEEL SUPPORT FRAME FOR PLATFORM & S.S. SCREEN, SECURED TO WALLS WITH 1/2"ø ANCHOR BOLTS @ 12" O.C. (TYP)
11	–	CHANNEL TO BE 10 GA STAINLESS STEEL
12	–	BAR SCREEN STAINLESS STEEL
13	1	8" PARSHALL FLUME CONSTRUCTED OF FRP
14	1	ULTRASONIC FLOW METER TRANSDUCER
15	1	SS304 TRANSDUCER MOUNTING BRACKET
16	1	3/4" PVC FLEX CONDUIT TO TRANSDUCER
17	1	REMOTE ULTRASONIC FLOW TRANSMITTER
18	1	6"x6"x4" J–BOX
19	–	GALVANIZED STEEL LADDER

SPECIFICATIONS

CONCRETE: DESIGN STRENGTH OF 4500 PSI AT 28 DAYS. UNIT IS OF MONOLITHIC CONSTRUCTION AT FLOOR AND FIRST STAGE OF WALL WITH SECTIONAL RISER TO REQUIRED DEPTH. COMBINED ASSEMBLY WEIGHT OF APPROXIMATELY 49,000 LBS.

REINFORCEMENT: GRADE 60 REINFORCED. STEEL REBAR CONFORMING TO ASTM A615 ON REQUIRED CENTERS OR EQUAL.

HATCHWAY: FABRICATED ALUMINUM WITH 1/4" DIAMOND PLATE, AND 1/4" EXTRUDED ALUMINUM FRAME. HATCH TO BE FURNISHED WITH 316 SS SNAP LOCK & HINGES. HATCH SHALL BE HAVING A LOCKING MECHANISM.

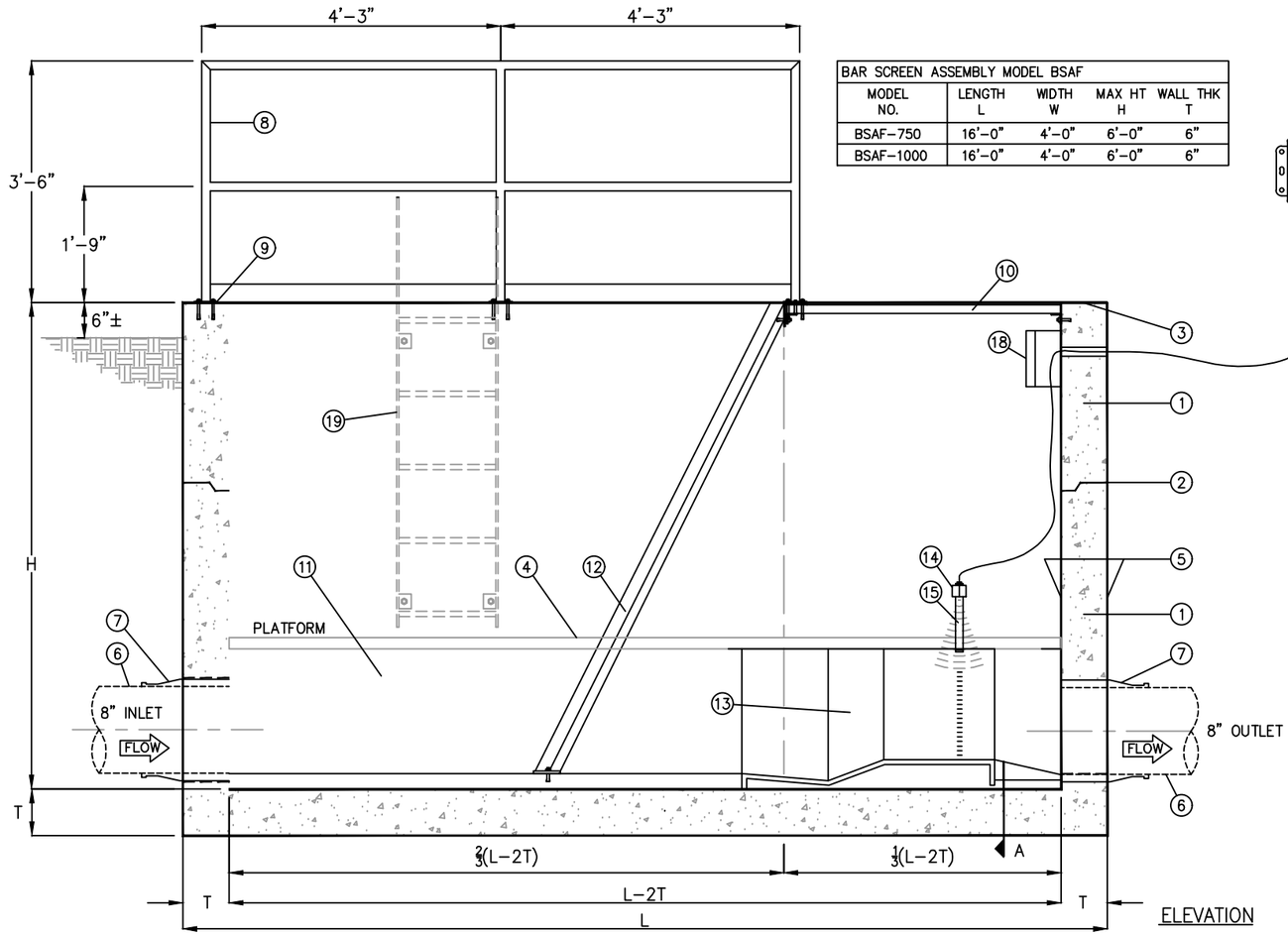
FABRICATED STEEL: ALL STEEL FABRICATION SHALL BE IN ACCORDANCE TO AWA D1.1. STEEL SHALL BE ASTM A36 CARBON STEEL, AND HOT–DIPPED GALVANIZED AFTER FABRICATION IN ACCORDANCE TO ASTM A123. STAINLESS STEEL SHALL BE TYPE 304.

BAR SCREEN ASSEMBLIES ARE USED IN AN OPEN CHANNEL (FREE SURFACE) FLOW APPLICATIONS TO SEPARATE & DETAIN COURSE DEBRIS AND CONTRABAND. THESE UNUSUAL SOLIDS HAVE A POTENTIAL FOR "CLOGGING" THE PUBLIC SEWER LINE, CAUSING EXPENSIVE CLEANING AND DOWNTIME OF THE SEWER SYSTEM. BAR SCREENS CAN BE USED FOR SANITARY OR STORMWATER APPLICATIONS. AS OPPOSED TO EXPENSIVE AUTOMATIC RAKE SCREENS, BAR SCREENS ARE MORE ECONOMICAL BUT REQUIRE MANUAL CLEANING. BAR SCREENS ARE IDEAL FOR FACILITIES WHICH HAVE A FULL MAINTENANCE STAFF. THE BAR SCREEN IS DESIGNED FOR EASE OF MAINTENANCE WHILE MAXIMIZING SAFETY. THE BAR SCREEN CONSISTS OF A STRUCTURAL CONCRETE VAULT ASSEMBLY WITH A PREFORMED CHANNEL. THE CHANNEL IS PLACED AT THE FLOWLINE ELEVATION OF THE INLET AND OUTLET SEWER PIPE CONNECTIONS (TYPICALLY AT 3' TO 8' BELOW GRADE). WITHIN THE CHANNEL, VERTICAL STAINLESS STEEL SCREENS ARE POSITIONED AT AN INCLINED ANGLE. SCREEN OPENINGS ARE TYPICALLY ½" TO 2". OFTEN, MULTIPLE SCREENS ARE USED WITH PROGRESSIVELY SMALLER SCREEN OPENINGS.

TYPICAL APPLICATIONS INCLUDE: JAIL & PRISON FACILITIES, SUBSTANCE ABUSE FACILITIES, NURSING HOMES, & DORMS DETENTION POND STORMWATER DRAINAGE.

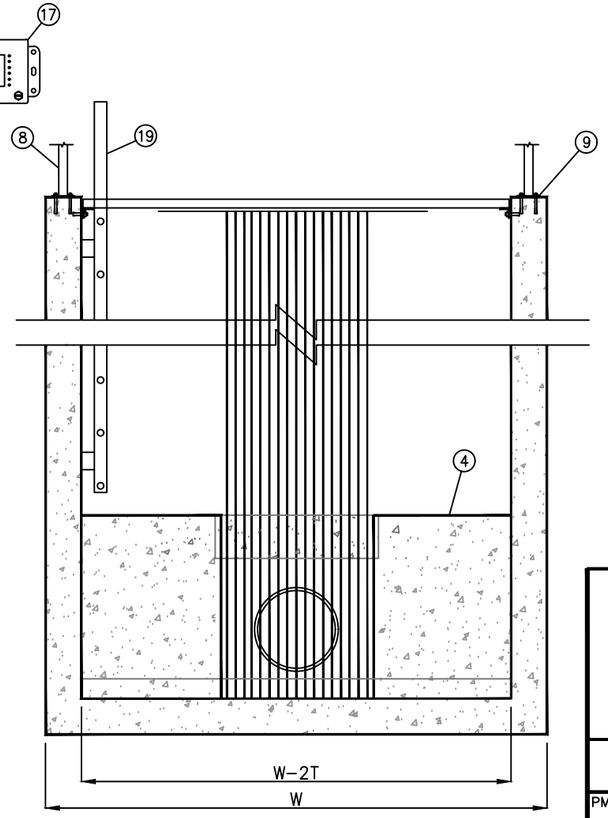
THE PARK® BAR SCREEN ASSEMBLY IS A SOLUTION FOR YOUR NEXT DESIGN CHALLENGE. A COMPLETE BAR SCREEN ASSEMBLY CAN INCLUDE; PRECAST CONCRETE STRUCTURE W/ ACCESS HATCH, GRATING, OR HANDRAILS, STAINLESS STEEL OR GALVANIZED PLATFORMS & SCREENS, OSHA APPROVED LADDERS, AUTOMATIC FLOW METER & TOTALIZER, PROTECTIVE SURFACE LINERS, AND HOISTS & RAKING TOOLS.

CONTACT PARK FOR DESIGN & APPLICATION RECOMMENDATIONS.



ELEVATION

BAR SCREEN ASSEMBLY MODEL BSAF				
MODEL NO.	LENGTH L	WIDTH W	MAX HT H	WALL THK T
BSAF–750	16'–0"	4'–0"	6'–0"	6"
BSAF–1000	16'–0"	4'–0"	6'–0"	6"



SECTION A–A

PARK USA
A Northwest Pipe Company

BAR SCREEN ASSEMBLY w/ FLUME
MODEL BSAF

PM	PC	DRN	ENG	DWG. NO.	REV.
.	.	.	.	BSAF–1	A
DATE 2023					

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