

S104-2026-004

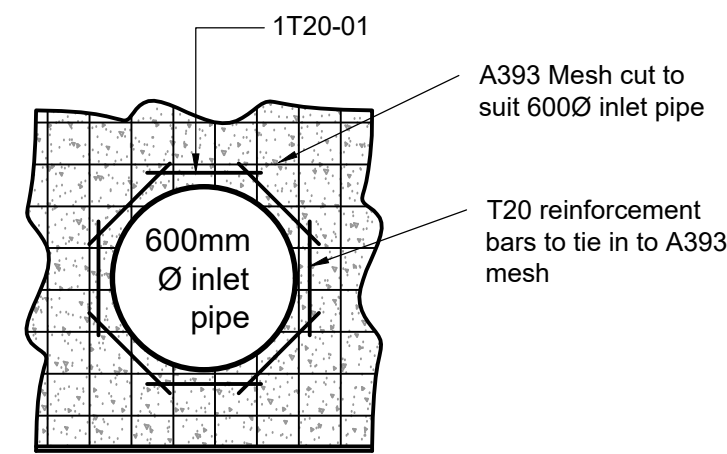
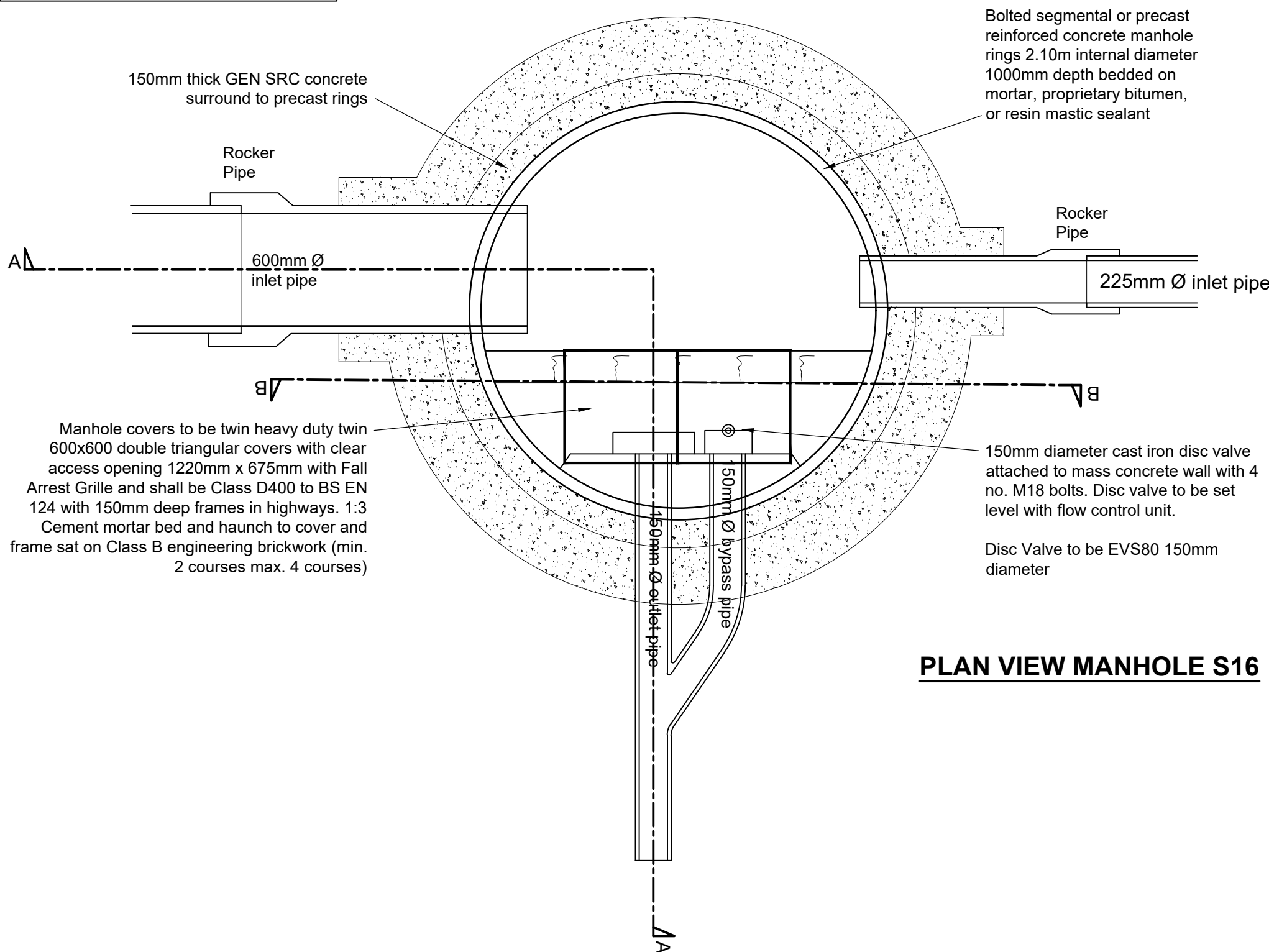


TABLE 1

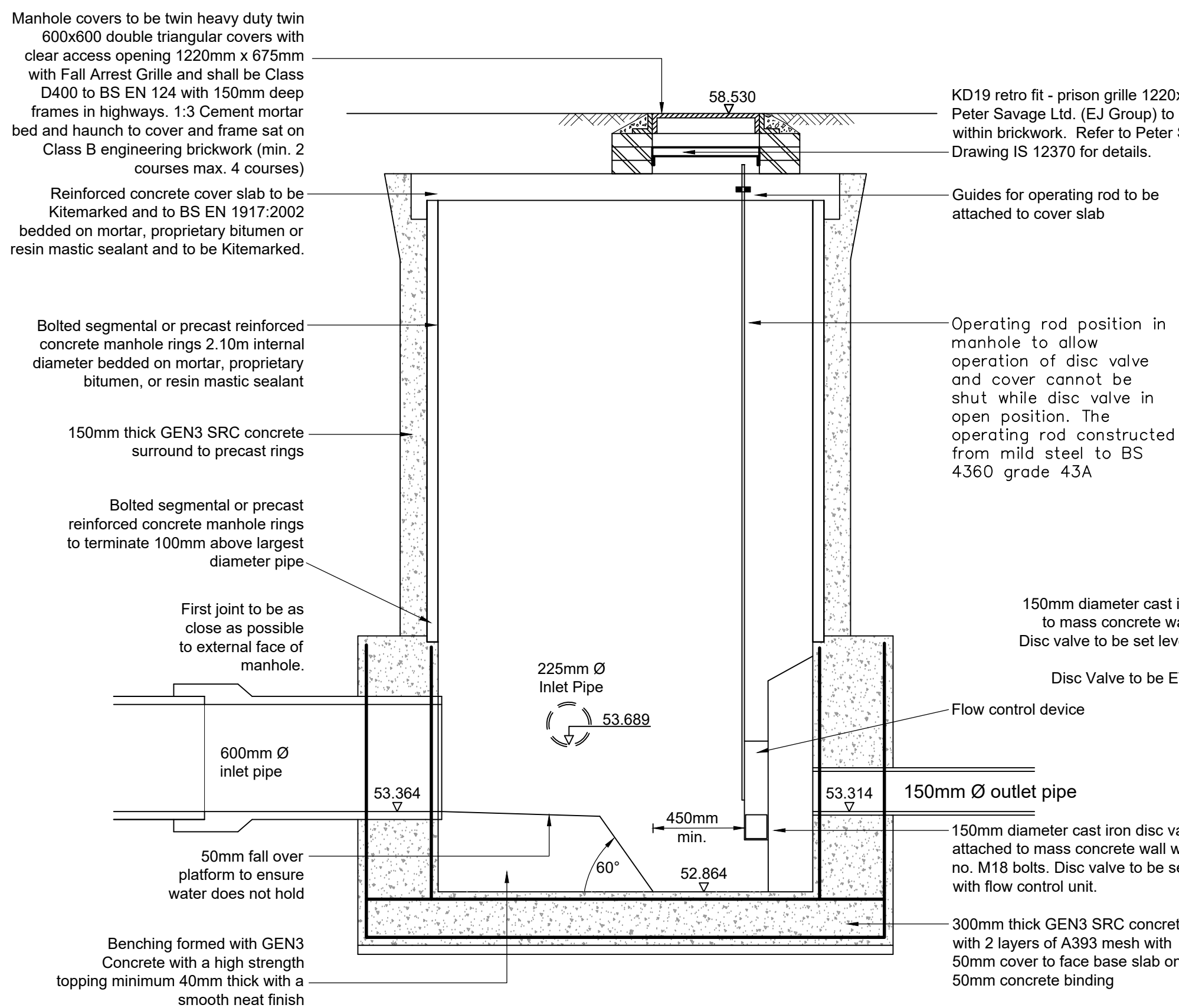
PIPE SIZE	BAR SIZE
600 - 1200mm	T12
1350 - 1500mm	T16
> 1500mm	T20

SECTION THROUGH REINFORCEMENT TO INLET PIPE
SEE TABLE 1 FOR BAR SIZES REQUIRED

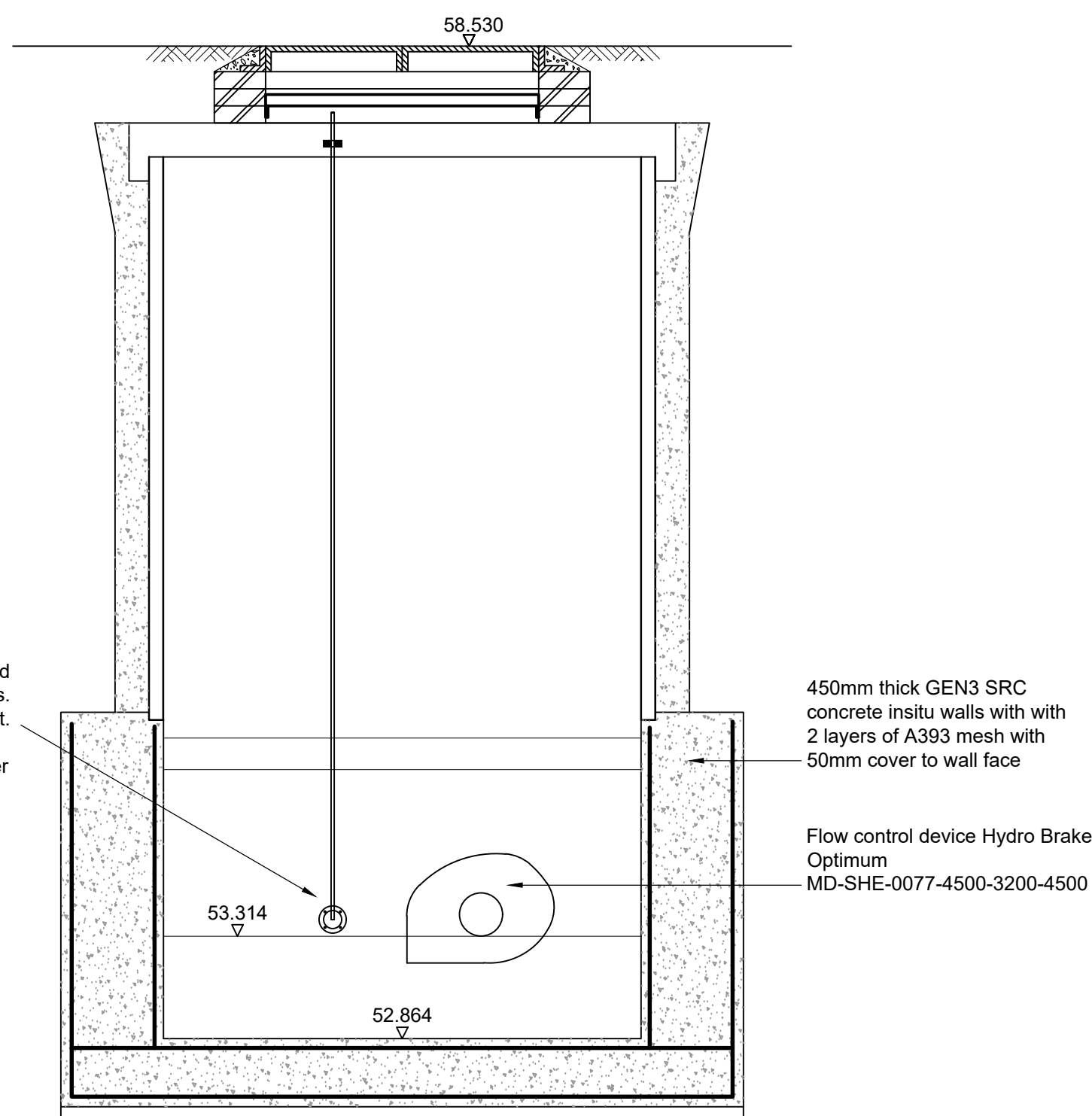
‘HYDROBRAKE’ DETAILS					
MANHOLE	RING SIZE	COVER LEVEL	INV IN LEVEL	INV OUT LEVEL	SUMP LEVEL
S16	2100	58.530	53.689 (225Ø) 53.364 (600Ø)	53.314 (150Ø)	52.864
Unit Type	Hydro Brake Optimum MD-SHE-0076-4500-3500-4500				
Design Head	3.50m				
Design Flow	4.50 L/sec				

GENERAL NOTES

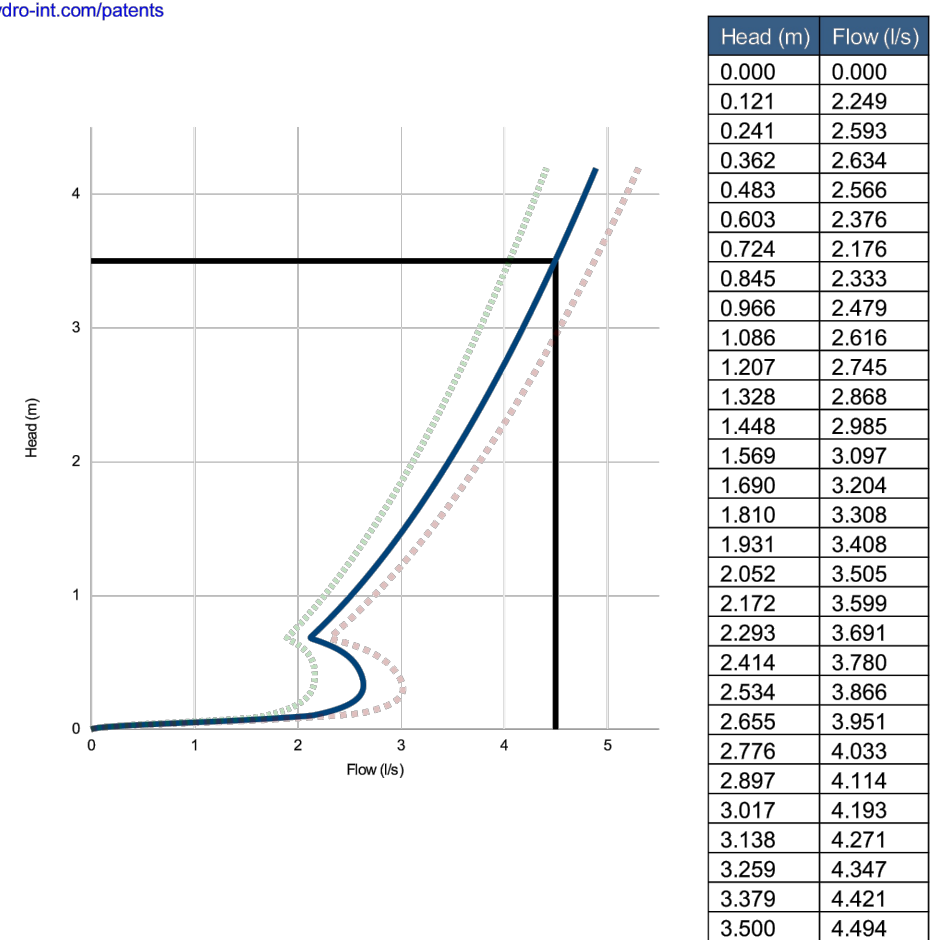
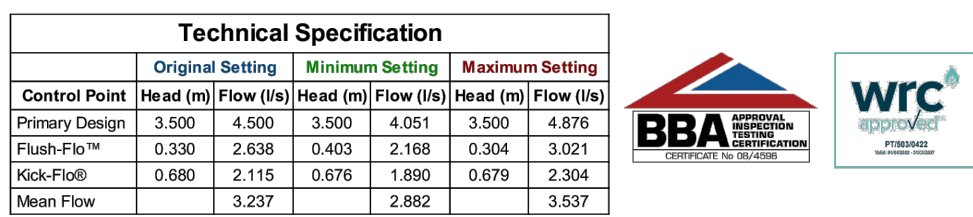
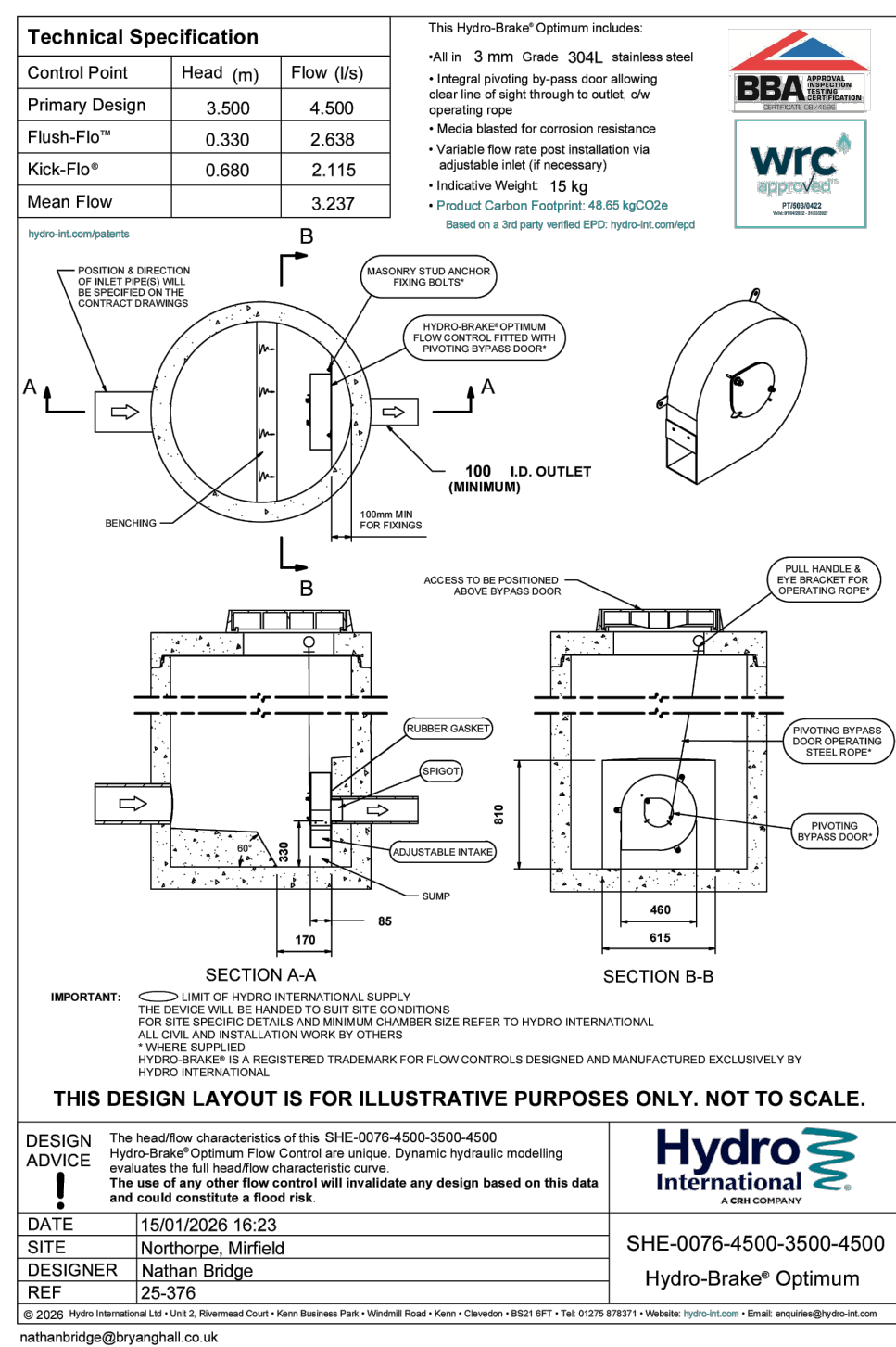
1. All adoptable sewer works and material to be in accordance with "Code for Adoption", The Relevant British/European and Yorkshire Water's Standards/Requirements/Local Practice for the Adoption of Small Submersible Foul and Surface Water Pumping Stations and must be Kitemarked.
2. All custom built ironwork to be hot dipped galvanised prior to final fixing.
3. All lifting eyes should be pointed once lifting is completed .



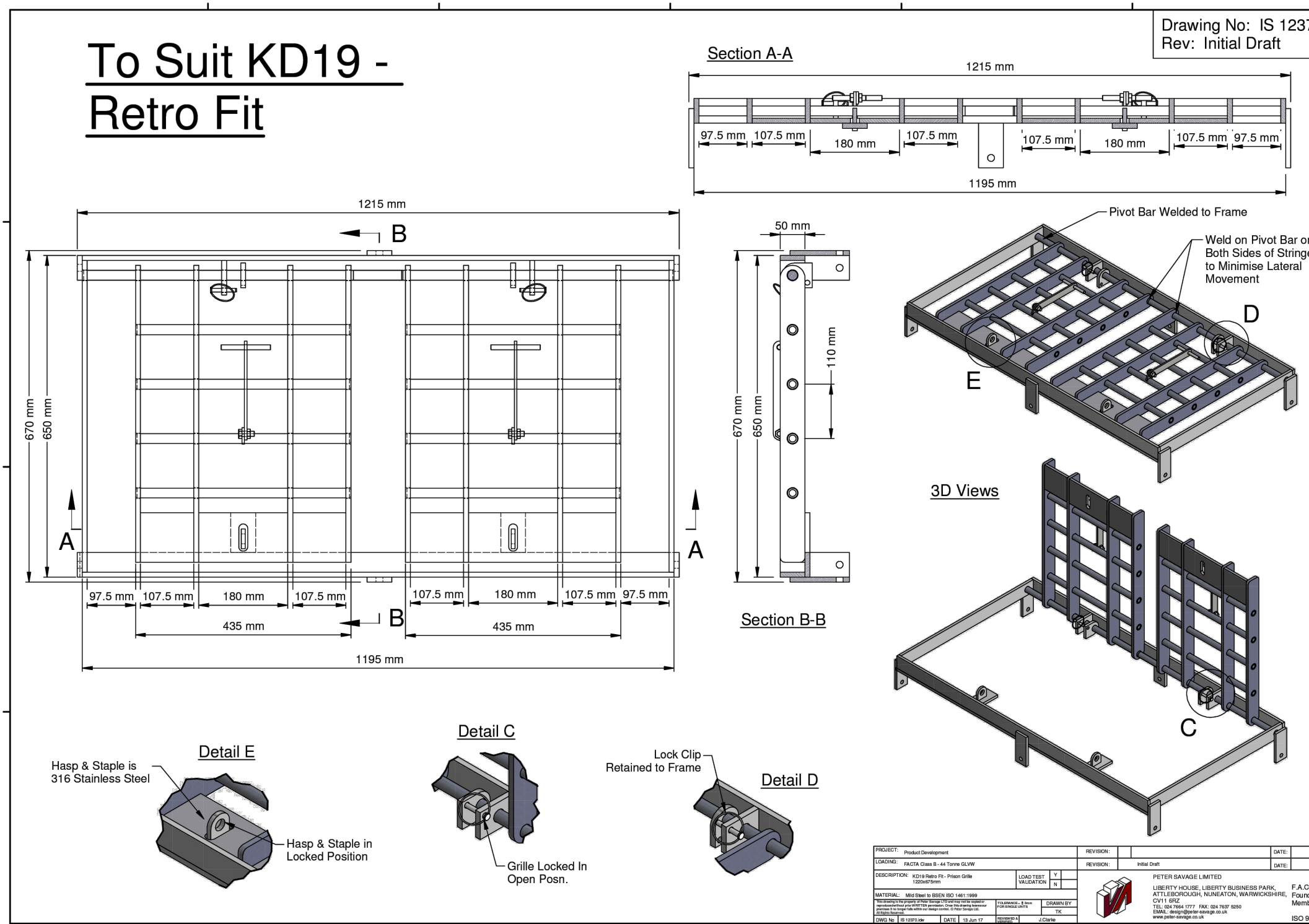
SECTION THROUGH MANHOLE S16
SECTION A-A



SECTION THROUGH MANHOLE S16
SECTION B-B



DESIGN ADVISE	The headflow characteristics of this SHE-0076-4500-3500-4500 Hydro-Back® Optimum Flow Control are unique. Dynamic hydraulic modelling evaluates the full headflow characteristic curve. ! The use of any other flow control will invalidate any design based on this data and could constitute a flood risk.		
DATE	15/01/2026	16:23	SHE-0076-4500-3500-4500
Site	Northorpe, Miffield		
DESIGNER	Nathan Bridge		
Ref	26-378		Hydro-Back® Optimum



A	09.03.25	Details updated in response to Yorkshire Water's comments dated 04.03.26.	NB	
Rev:	Date:	Amendment:	DRN	CHK

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**It is the contractors responsibility to ensure full compliance with the Building Regulations. Do not scale from this drawing, use figured dimensions only. It is the contractors responsibility to check and verify all dimensions on site. Any discrepancies to be reported immediately.
IF IN DOUBT ASK.**

Materials not in conformity with relevant British or European Standards/Codes of practice or materials known to be deleterious to health & safety must not be used or specified on this project.

Status:

Project:

Residential Development
Northorpe Lane, Mirfield

Title

Flow Control Manhole Details

Scale: 1:25
A1 - 594 x 841

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