

TREBLE R FABRICATIONS

UNIT 42 – CROSSGATE ROAD – PARK FARM INDUSTRIAL ESTATE – REDDITCH – WORCS – B987SN

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HEAVY DUTY WALL

MOUNTING PENSTOCK

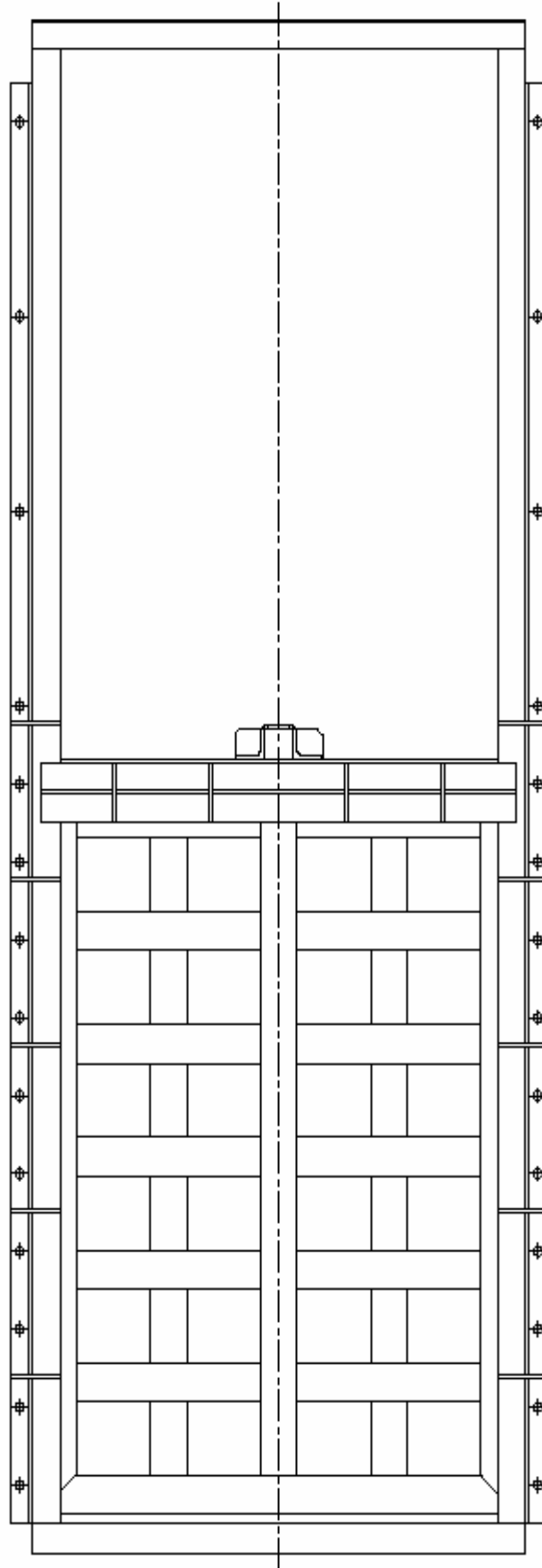
The primary application of penstocks is the flow control and isolation of fluids associated with water, waste water, sewage treatment plant, power generation, irrigation schemes and process plant.

This range has been specially developed for penstocks greater than 2000mm in size, both with and height. In many cases the head requirement is greater than 4 metres on/off seating. This can range up to 20 metres subject to penstock aperture. To produce such a penstock from cast iron would be a very expensive exercise and therefore the need for a heavy duty penstock becomes viable.

Selection of the correct penstock to suit the duty is important to satisfy the design criteria and provide the most cost effective solution. Operation of the penstock is governed generally by factors outside the control of the penstock manufacturer. However, the range of penstocks operating equipment is extensive: from simple direct operation by handwheel to complex control systems for electrical, pneumatic or hydraulic actuation. The range of penstocks with associated operating equipment will cater for the most demanding specification and application.

Wall mounting Penstocks are fixed to vertical end walls of channels, chambers or similar structures by means of foundation bolts utilising a sand/cement non shrink grout to effect a seal between the wall and penstock frame.

The frame can be manufactured from either galvanized mild steel, painted mild steel or grade 304/316 stainless steel, complete with an optional gate in the same material.



HEAVY DUTY WALL MTG

Wall Mounting Penstocks
Heavy Duty Range

Operating Duty

Application:	Flow control and isolation
Type of Mounting:	Wall Mounting
Type of Media:	Water and Sewage
Operating Head:	Between door depth & 20 metres
Direction of Flow:	On & Off-seat

Options

Mounting:	Side and Invert wall mounting
Stem Types:	Rising and non-rising
Size Range:	Any size from 2000mm to 3500mm in square or rectangular format

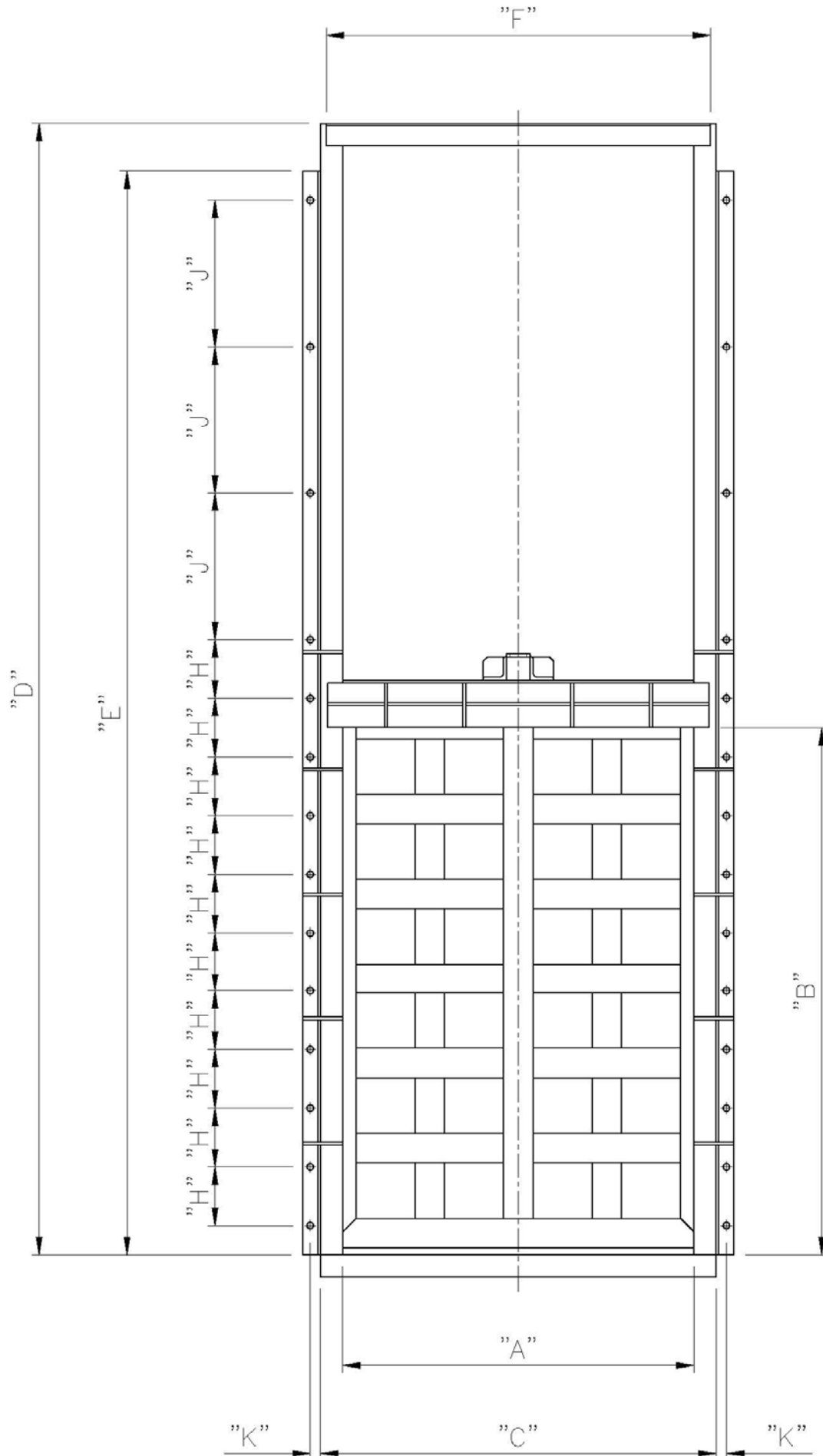
Applicable Standards

BS 7775: 1995, Specification for general
purpose penstocks

Construction Materials

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>MATERIAL</u>
1	Frame	Mild Steel, BS 4360 Gr 43A Stainless Steel, BS 970 Gr 304 Stainless Steel, BS 970 Gr 316
2	Door	Mild Steel, BS 4360 Gr 43A Stainless Steel, BS 970 Gr 304 Stainless Steel, BS 970 Gr 316
3	Side Seals	Low Friction Polyolefin
4	Invert Seal	Neoprene
5	Stem	Stainless Steel, BS 970 Gr 303 Stainless Steel, BS 970 Gr 304 Stainless Steel, BS 970 Gr 316
6	Fasteners	Stainless Steel, BS 6105, Gr A4

WALL MOUNTED PENSTOCKS
HEAVY DUTY OPEN TOP FRAME

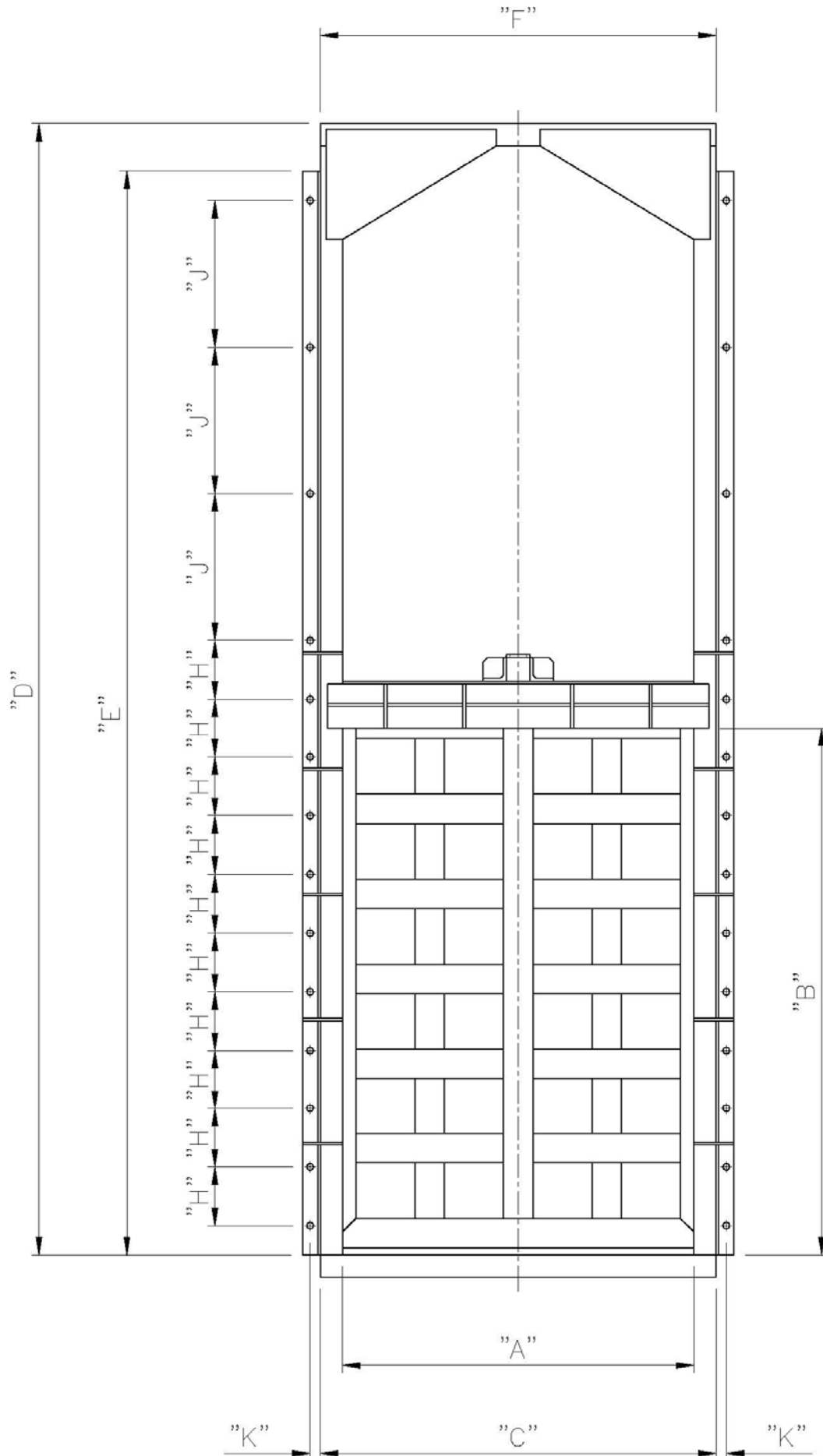


HEAVY DUTY PENSTOCKS
WALL MOUNTING – OPEN TOP

RANGE				
	XL80	XL100	XL120A	XL120B
A	OPENING WIDTH	OPENING WIDTH	OPENING WIDTH	OPENING WIDTH
B	OPENING DEPTH	OPENING DEPTH	OPENING DEPTH	OPENING DEPTH
C	A + 152	A + 200	A + 200	A + 250
D	2B + 302	2B + 370	2B + 400	2B + 425
E	2B + 100	2B + 100	2B + 100	2B + 100
F	A + 120	A + 170	A + 170	A + 220
H	*	*	*	*
J	*	*	*	*
K	49	65	65	65

*** SUBJECT TO HEAD CONDITION AND CUSTOMER REQUIREMENTS**

WALL MOUNTED PENSTOCKS
HEAVY DUTY CLOSED TOP FRAME

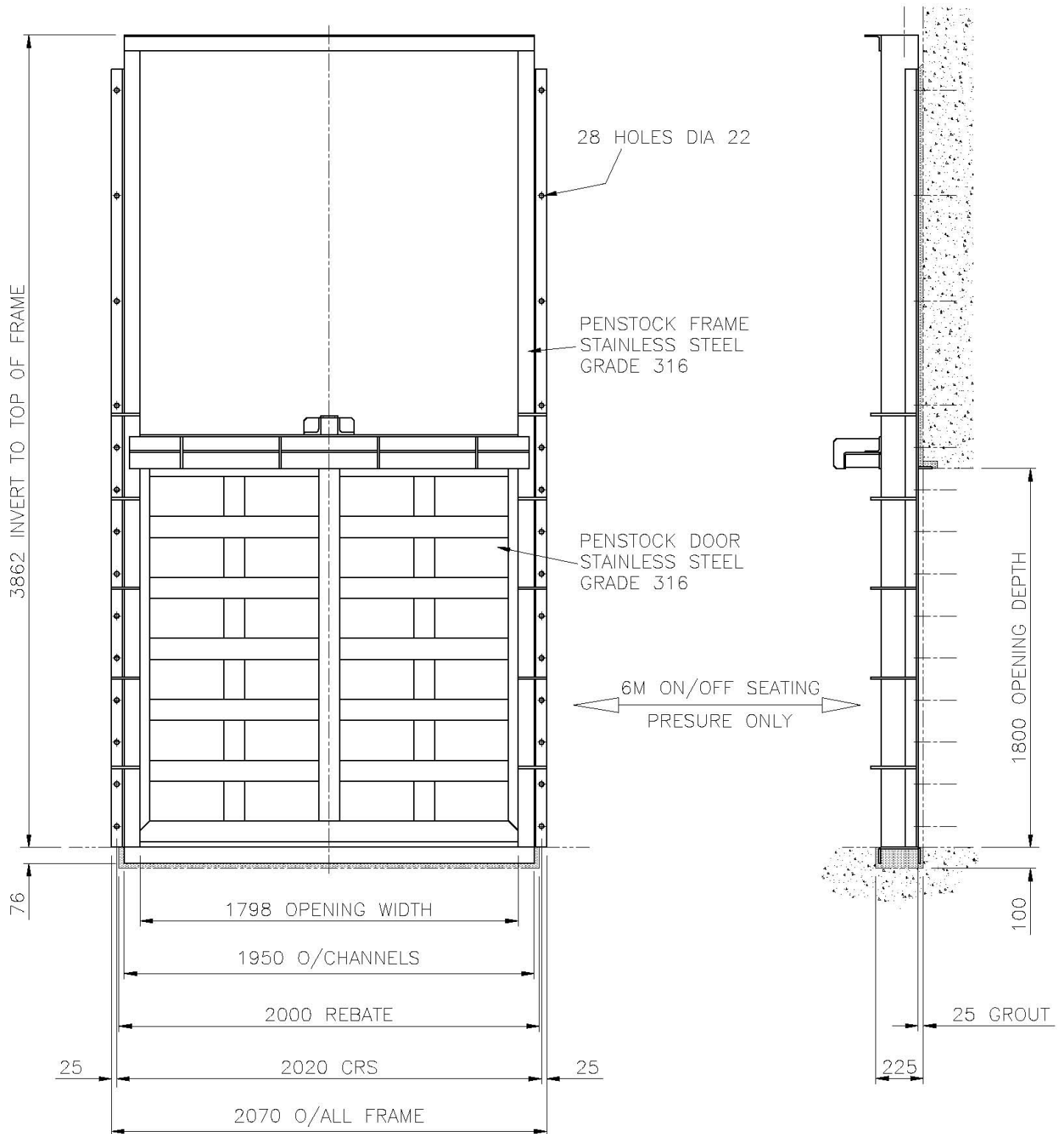


HEAVY DUTY PENSTOCKS
WALL MOUNTING – CLOSED TOP

RANGE				
	XL80	XL100	XL120A	XL120B
A	OPENING WIDTH	OPENING WIDTH	OPENING WIDTH	OPENING WIDTH
B	OPENING DEPTH	OPENING DEPTH	OPENING DEPTH	OPENING DEPTH
C	A + 152	A + 200	A + 200	A + 250
D	2B + 190	2B + 542	2B + 622	2B + 647
E	2B + 100	2B + 100	2B + 100	2B + 100
F	A + 152	A + 200	A + 200	A + 250
H	*	*	*	*
J	*	*	*	*
K	49	65	65	65

*** SUBJECT TO HEAD CONDITION AND CUSTOMER REQUIREMENTS**

HEAVY DUTY PENSTOCKS WALL MOUNTING



**TYPICAL DRAWING OF 1798mm WIDE x 1800mm DEEP
HEAVY DUTY WALL MOUNTING PENSTOCK**