

TREBLE R FABRICATIONS

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

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LIGHT DUTY WALL

MOUNTING PENSTOCK

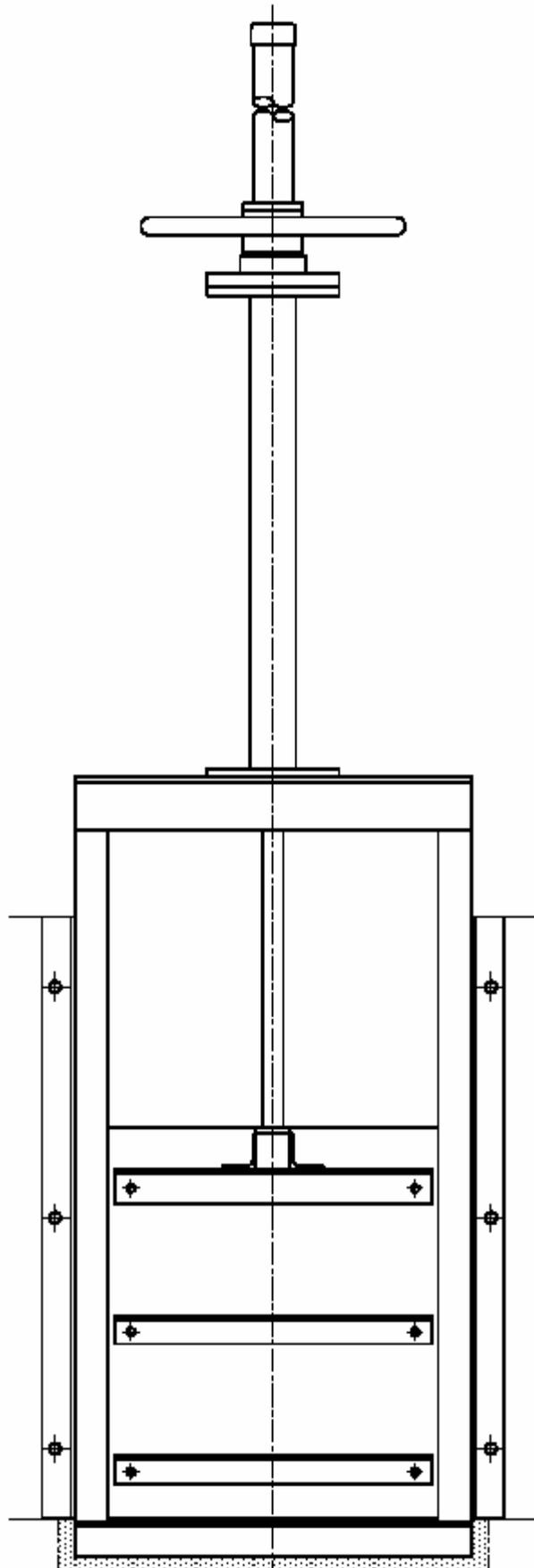
The primary application of penstocks is the flow control and isolation of fluids associated with water, waste water, sewage treatment plant, power generation, irrigation schemes and process plant.

The modern penstock is designed for 2 metres On and Door Depth off-seating heads in sizes from 150mm up to 900mm square.

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 or a light HDPE plastic material. The head is limited to 2 metres on seating and door depth off seating as standard.



LIGHT DUTY W/M PENSTOCKS

Wall Mounting Penstocks

Light Duty Range

Operating Duty

Application:	Flow control and isolation
Type of Mounting:	Side and invert rebates
Type of Media:	Water and Sewage
Operating Head:	2 Metres on door depth off
Direction of Flow:	On & off-seat

Options

Mounting:	Side wall mounted in channel
Stem Types:	Rising and non-rising
Size Range:	Any size from 150mm to 900mm in square or rectangular format

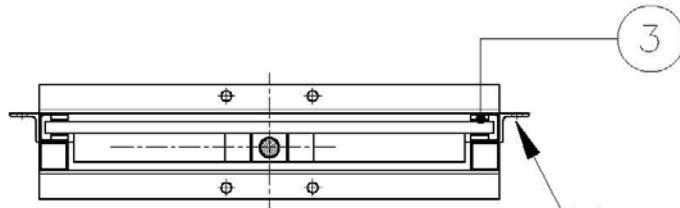
Applicable Standards

BS 7775: 1995, Specification for general
purpose penstocks

Construction Materials

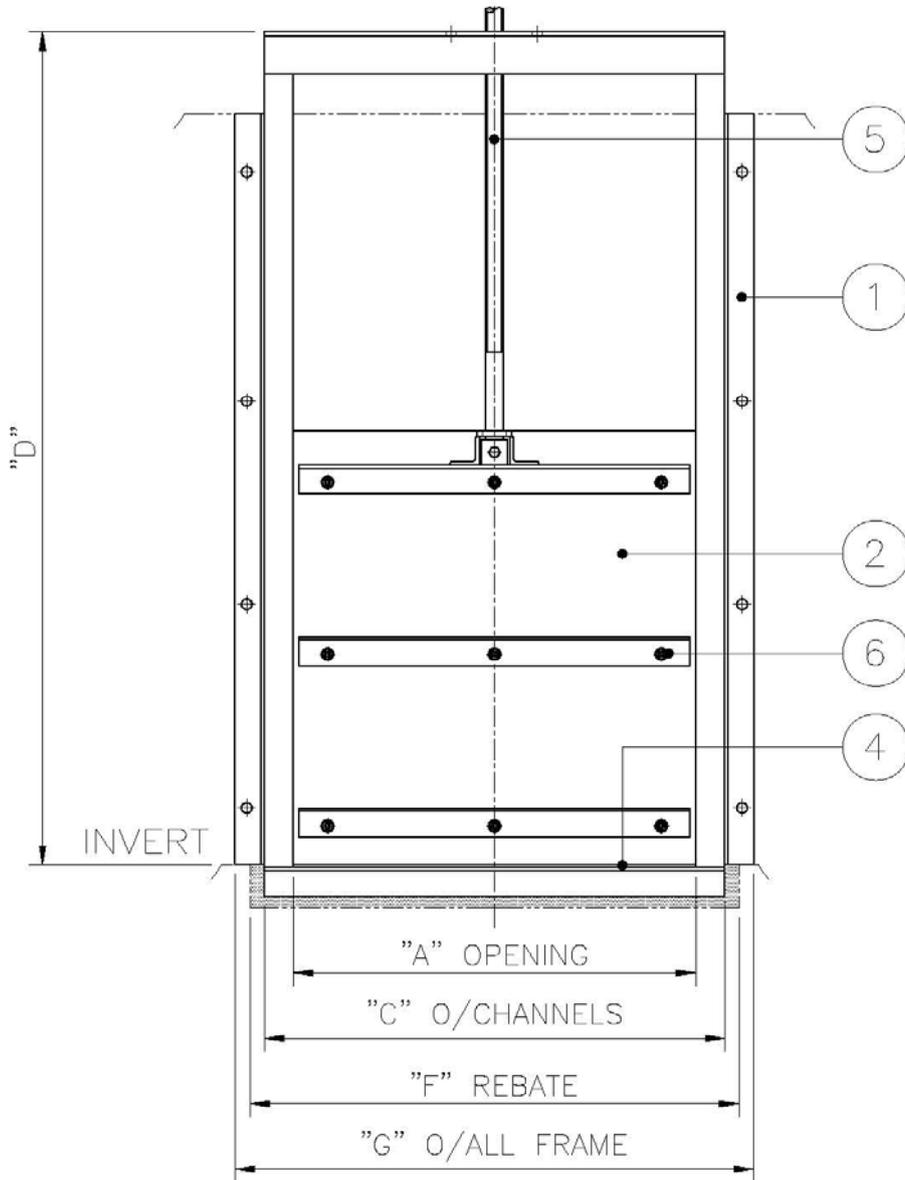
<u>ITEM</u>	<u>DESCRIPTION</u>	<u>MATERIAL</u>
1	Frame	Mild Steel, BS 4360 Gr 43A Stainless Steel, BS 970 Gr 304 Stainless Steel, BS 970 Gr 316
2	Door	HMWP with reinforcement Mild Steel, BS 4360 Gr 43A Stainless Steel, BS 970 Gr 304 Stainless Steel, BS 970 Gr 316
3	Side Seals	Low Friction Polyolefin
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 Mounting Penstock – Light Duty Range

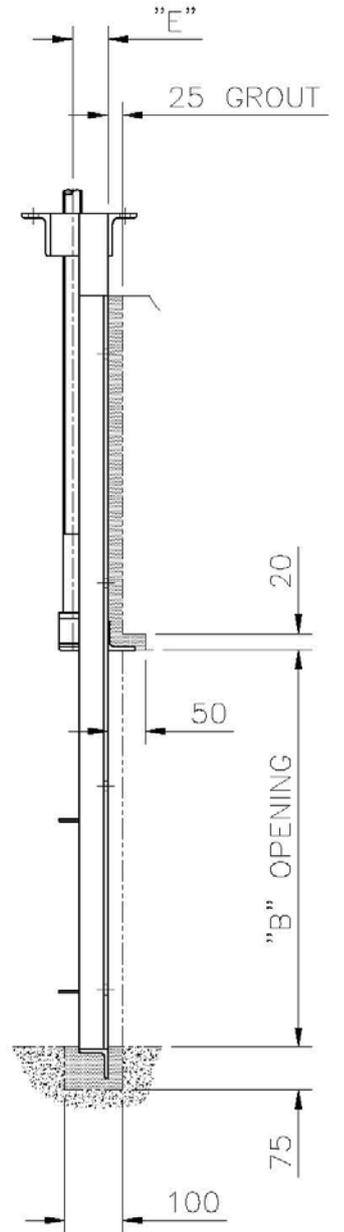


PLAN VIEW

'L' No. HOLES 'K' DIA.
FOR FIXING BOLTS.



FRONT ELEVATION

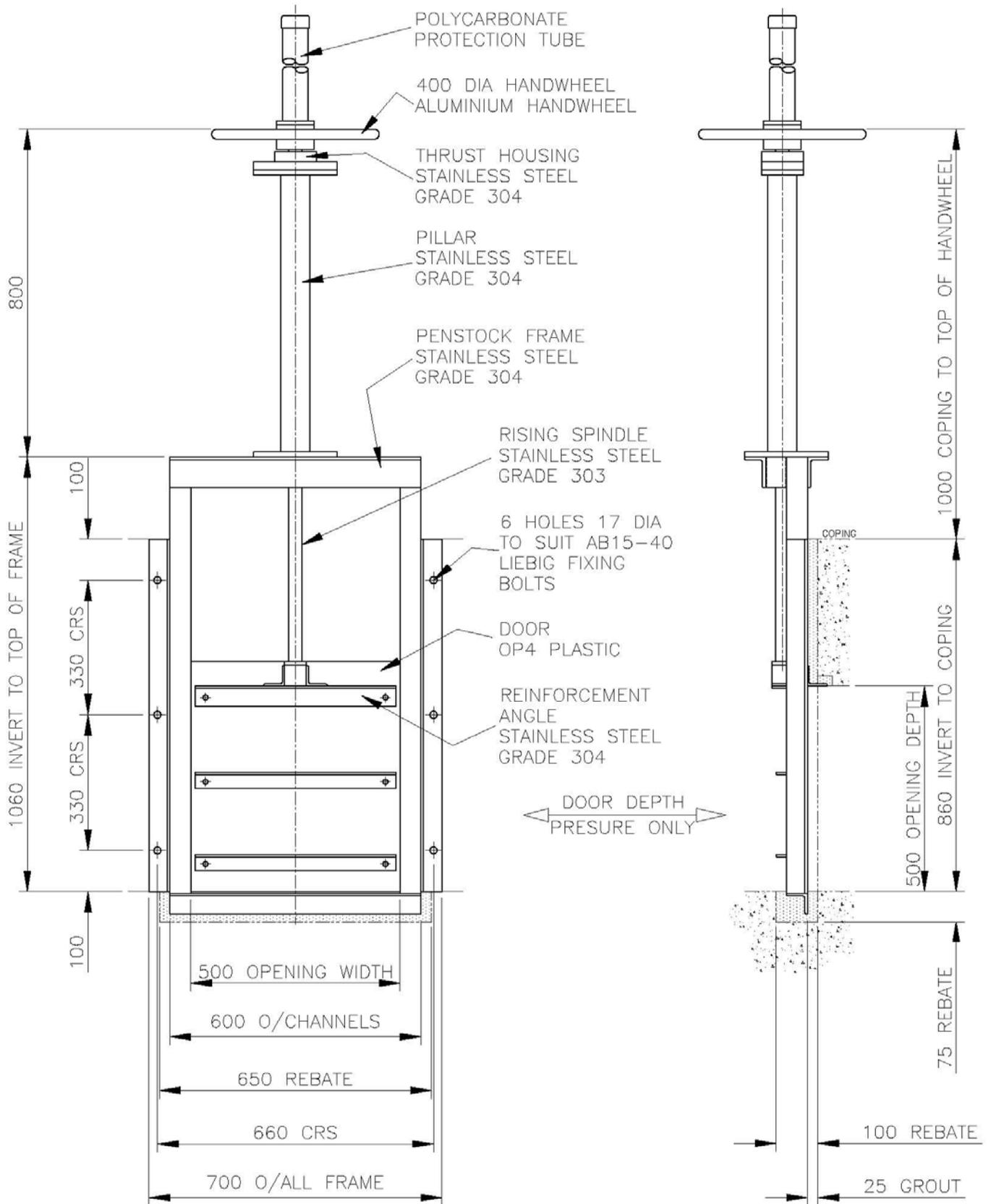


SIDE ELEVATION

Wall Mounting Penstocks
Light Duty Range

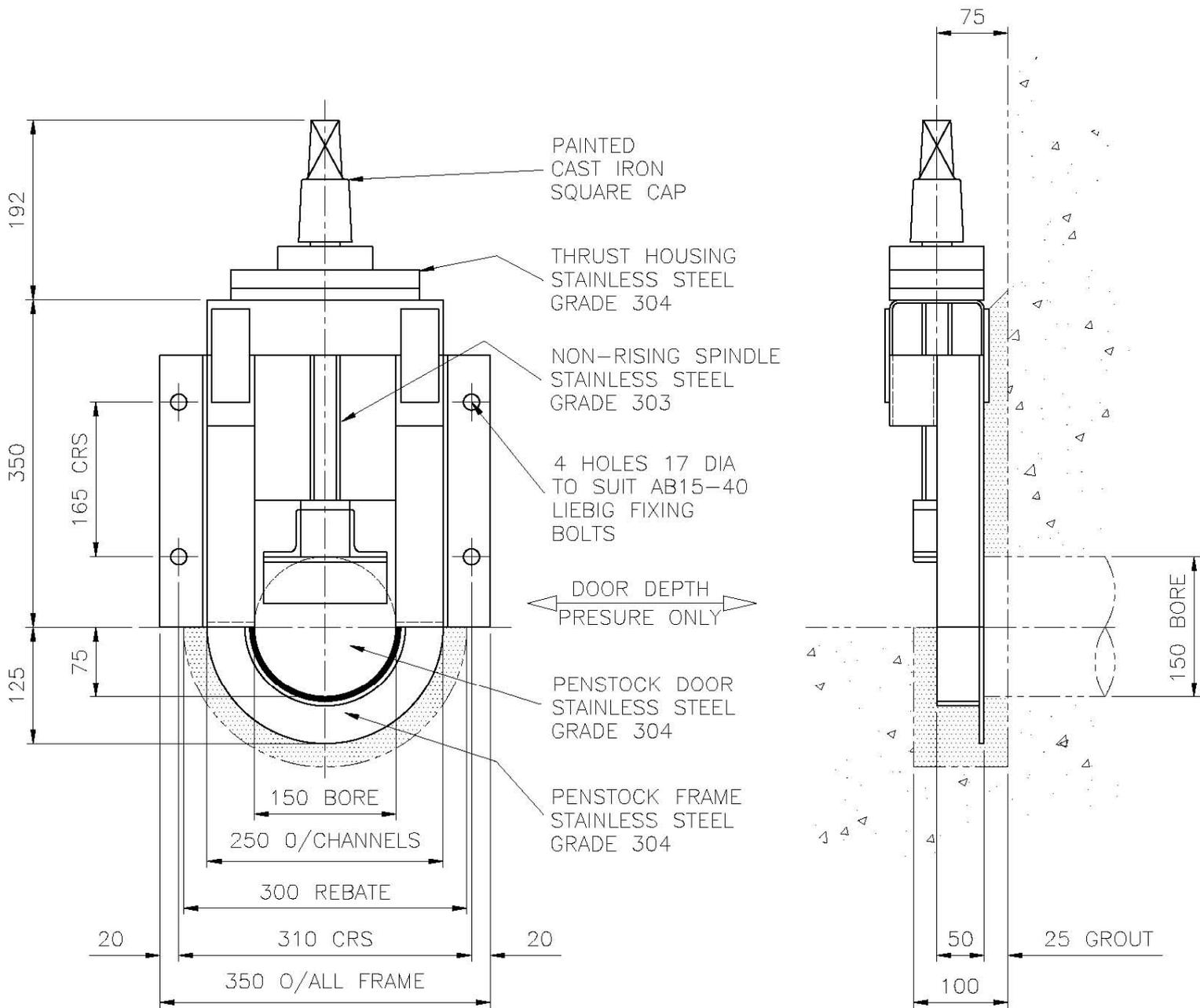
RANGE	LIGHT
A	Opening Width
B	Opening Depth
C	A + 100
D	2B + 60
E	60
F	A + 150
G	A + 200

Wall Mounting Penstocks Light Duty Range



**TYPICAL DRAWING OF 500mm WIDE x 500mm DEEP
LIGHT DUTY WALL MOUNTING PENSTOCK
HANDWHEEL OPERATED**

Wall Mounting Penstocks Light Duty Range



**Typical Drawing of a Semi-Circular Type
Penstock in the Light Duty Range for
150 Nominal Bore Pipe.**