# STOPGATES

## DESCRIPTION

**1.** The stopgates are of welded construction, fabricated from steel plate and rolled steel sections and fitted with edge seals in preformed section, flexible neoprene, secured by means of clamping bars and fixings.

**2.** The stopgates are designed for installation at the bottom of the channel with a civil work apron wall extending up from the top of the opening to deck level.

**3.** The stopgates ahead of the bandscreens are interchangeable with each other and also the bar screens.

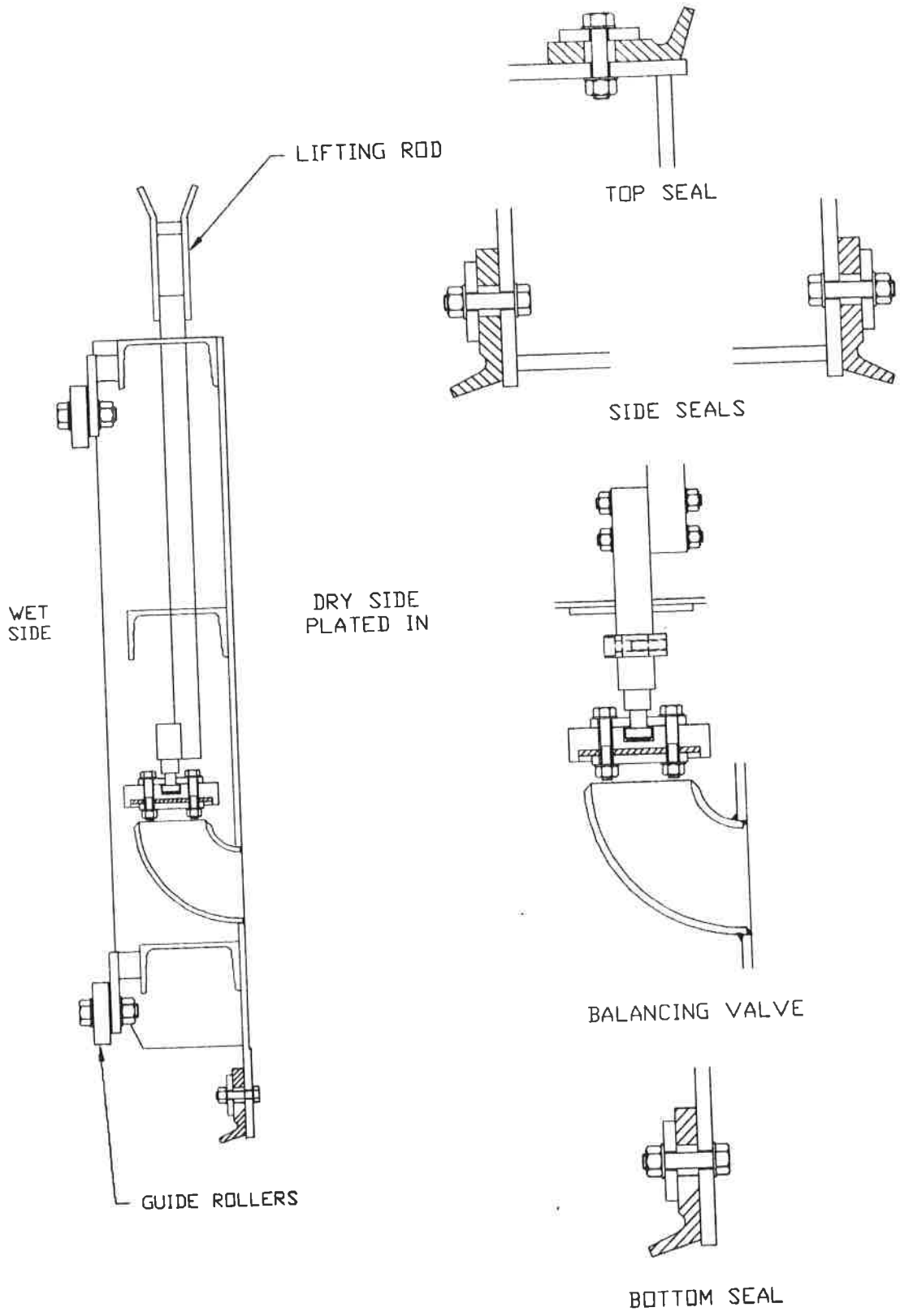
**4.** The stopgates are designed for lowering and raising under conditions of no flow and with balanced water levels on the upstream and downstream faces.

**5.** One equalising valve is fitted in each stopgate to enable the isolated chamber to be flooded prior to removal. The valves are operated as part of the lifting procedure. After engagement of the lifting beam the initial lift opens the valves without raising the stopgate. When the water level is equal on both sides of the stopgate removal can be completed.

**6.** The stopgates are fitted with side guidance rollers and blocks which locate it between the guides and align the seals on the sealing face.

Note: When used in the double sealing guides the rollers on the 1.1m stopgates must be removed.

**7.** Special lifting beams are supplied and a cill sensing device only allows the beam to release then the stopgate is located correctly. This prevents accidental release if a stopgate jams in the guides whilst being lowered.




TYPICAL STOPGATE

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