



TYNES BAY, BERMUDA
Screening Plant
Operating & Maintenance Manual

Section: 1.1.3
Sheet: 1 of 1
Issue: 1-1/93

LIFTING BEAMS

DESCRIPTION

1. The lifting beams are designed to automatically engage and disengage with the stopgates and bar screens during raising and lowering operations. The ends of the lifting beams are fitted with guide blocks which locate in the guides and align with the stopgate or bar screen lifting points.
2. The lifting hook on each beam is linked and connected to a pivoted weight assembly which determines the closed or open bias. Appropriate operation of the assembly causes the beam to automatically engage and disengage with the stopgate or bar screen. An interlock is incorporated in the lifting beam to prevent it disengaging with the stopgate or bar screen until the cill sensing device indicates that the stopgate or bar screen is seated in the channel invert.