



NOTES:
- All dimensions in mm U.O.S
- All measurements ± 1mm

Headwall Installation
Units should be bedded on minimum 100mm thick well compacted Class BA* selected well graded granular material.
*Manual of contract documents for Highway Works: Volume (MCHW1) specification for Highway Works, Series 600 (Nov.09).
Sit the headwall level or with a slight fall 1:50 from pipe to spill mouth.

Material

- Characteristic compressive strength of Glass Reinforced Concrete = 60N/mm²
- Characteristic flexural strength of Glass Reinforced Concrete = 6N/mm²
- Free water Cement ratio: <0.55
- Glass fibres - 63kg/m³
- Specification: XA2, DS2, DC2

Fabrication Specification

- A. Manufacture IAW EN 1090-2 EXC CLASS 1
- B. Material grade is to be: BS EN 10025 S275
- C. Welding carried out IAW EN 1090-2 PAR 7.5.4 - 7.5.18
- D. All fillet and butt welds to have a minimum throat thickness of 6mm & joints to be fully welded where possible.
- E. Ensure vertical flats are fully welded both sides where possible.
- F. All sharp edges and burrs are to be removed.
- G. Remove all weld spatter.
- H. Holes by punching are permitted without reaming.
- I. Galvanising is carried out after fabrication to BS EN: ISO 1461.

DRAWING TITLE / PROJECT:

GRC 300 SERIES HEADWALL

CLIENT:	N/A
REV NUMBER:	0
REV DESCRIPTION:	
ORIGINAL ISSUE	
WEIGHT (total kg):	150
HEADWALL (kg):	150
MISC. (kg):	
DRAWN DATE:	20/03/2023
DRAWN BY:	DH
CHECK BY:	DH / JP
TOE BEAM (kg):	
GRATING (kg):	
HANDRAIL (kg):	
MISC. (kg):	

DRAWING NUMBER: GRC 300

DO NOT SCALE DRAWING