





NOTES:

All dimensions in mm U.O.S All measurements ± 1mm

Specification information

on Information
Opening in back wall cast to suit outside diameter of the plpework.
Invert level of pipe can be set to your specification.

Headwall Installation
Units should be bedded on minimum 100mm thick well compacted Class
6A's 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.

Weight of concrete is based on 2.4 tonne/m3+5% is recommended for stzing lifting equipment.
All lifting points shall be used as specified below.
Unit to be lifted as per lifting diagram.

Mix ref: Self-Compacting DC4/DS4 Mix Lifting strength based on 2 cubes = 20N/mm2 Characteristic 28 day cube strength = 50N/mm2 Concrete provides Design Chemical Class 4 (DC4) to special Digest 1, Table F2.

Reinforcement
A. Reinforcement to BS EN 13369.
B. Scheduling, dimensioning, bend

Scheduling, dimensioning, bending & cutting to BS8666.
Cage to be machine tied with steel wire.

Manufacture
A. Manufacture to BS EN 15258:2008 precast concrete products - Retaining wall elements, Factory Production Control Certificate number: 0086-CPR-650448 & BS EN

Tolerances to BS EN 13369 clause 4.3.1.1 Finishing:

Mould Reference code.

De-mould date.

Job reference number & unique product number.

Unit weight (kg)

Design A. B. Concrete design to EC2.

JKH have designed the concrete units only, the site conditions should be assessed for sultability by the scheme designer.
Units are designed to withstand a vertical live load

surcharge of 10kN/M2.
Weight of soil = 18kN/M2.
Angle of internal friction = 30°

Design Life: >50 years

Min Caver	Cover Block	Min Cover	Max Cover	
	Size (mm)	Size (mm)	Size (mm)	
All Faces	33	28	38	]
Exposure	Exposure induced	Coroston Induced	Freeze they	Chemics
Classification	by Certoneton	by Chibride	ettock	attack
All Forces	XC8/4	XDS	YF4	XA3

A. Manufacture IAW EN 1090-2 EXC CLASS 1

Material grade is to be: BS EN 10025 S275 Welding carried out IAW EN 1090-2 PARA 7.5.4 - 7.5.18 All fillet and butt welds to have a minimum throat thickness

of 6mm & joints to be fully welded where possible.

Ensure vertical flats are fully welded both sides where

possible.
All sharp edges and burns are to be removed.
Remove all weld splatter.
Holes by punching are permitted without reaming.
Galvanising is carried out after fabrication to BS EN: ISO

Handrall Specification
A. Kee Klamp Galvanjsed Size 8 Fittings.
B. Size 8 48.3mm OD 3.2mm Wall Thickness Galvanised
Medium Duty Tube to BS EN 10255.
C. 360N/m Design Load as stated in BS 618, BS 6180, BS
6399 & BS 7818, C Water Industry (CESWI).

Other design loads available on request GRP/FRP Handralls also available.



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PROPRIETARY & CONFIDENTIAL

## 1000-1250 + close coupled grating

	CLIENT: Client					
SCALE:	NTS	DRAWING DATE:	25/02/2019			
HEADWALL WEIGHT:		GRATING WEIGHT:				
	1860kg		38kg			
TOTAL WEIGHT: 1898kg						
DRAWN BY:	DH	CHECKED BY:	JP			
DRAWING No:						
4000 4050 11						

1000-1250 Headwall

DO NOT SCALE DRAWING