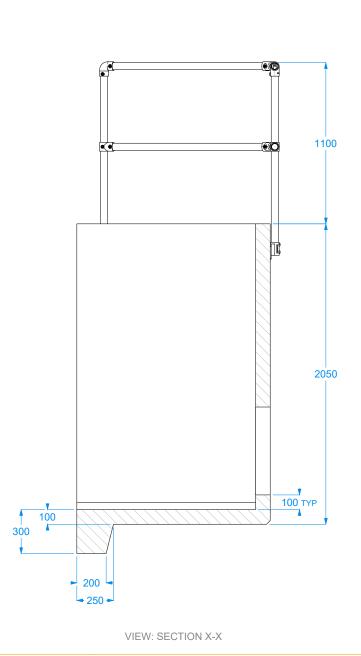
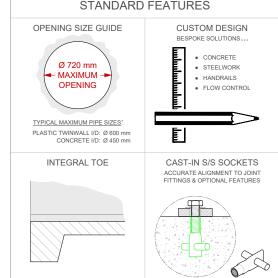


VIEW: FRONT







HANDRAIL SPECIFICATION Kee Klamp® Galvanised Size 8 Fittings

DRAWING NOTES

HANDLING A. Weight

s in mm U.O.S

SPECIFICATION INFORMATION
 Opening in back wall cast to suit outer dimension of pipe.
 Invert level of pipe can be set to your specification.

*Manual of contract documents for Highway Works: Volume

Weight of concrete is based on 2.4 tonne/m³ +5% is recommended for sizing lifting equipment.

All lifting points shall be used as specified below C. Unit to be lifted as per lifting diagram

CONCRETE

A. Mix ref: Self-compacting DC4 / DS4 Mix.

REINFORCEMENT

A. Reinforcement to BS EN 13369.

Mould reference code.

De-mould date.

of 10kN/M2.

DESIGN

MANUFACTURE

Lifting strength based on 2 cubes = 20N/mm

Characteristic 28 day cube strength = 50N/mm²

Concrete provides Design Chemical Class 4 (DC4) to special Digest 1, Table F2.

Scheduling, dimensions, bends & cutting to BS8666. Cage to be machine tied with steel wire

Marking, Units shall be indelibly marked to show:

Job reference number & unique product number Unit weight (kg).

Design Life as table below * (all cover sizes in mm).

Concrete structure designed to Eurocode 2. JKH have designed concrete units only, the site conditions should be assessed for suitability by the scheme designer Units are designed to withstand a vertical live load surcharge

Weight of soil = 18kN/M².
Angle of internal friction = 30 Deg.

All Faces XC3/4

FABRICATION SPECIFICATION
A. Manufacture IAW EN 1090-2 EXC CLASS 1

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

6mm and joints fully welded where possible. Ensure vertical flats fully welded both sides where possible All sharp edges and burrs are to be removed.

Remove all weld splatter. Holes by punching are permitted with reaming.
Galvanising process after fabrication to BS EN ISO1461.

Manufacture to BS EN 15258:2008 precast concrete products retaining wall elements, factory production control certificate 0086-CPR-650448 & BS EN 13369. Tolerances to BS EN 13369 clause 4.3.1.1.
 Top
 Sides
 Rear
 Rear of Backwall

 Class
 A
 A
 Self - Levelled

(MCHW1) specification for Highway Works, Series 600 (Nov 09).

Units should be bedded on minimum 150mm thick well compacted Class 6N or 6K* well graded granular material with 50mm topping of fine material (Class 6L*) to ensure units are level and stable.

DO NOT SCALE DRAWING

HEADWALL INSTALLATION

Size 8 48.3mm OD 3.2mm Wall Thickness Galvanised Medium Duty Tube to BS EN 10255. 360N/m Design Load as stated in BS 8118, BS 6180,

BS 6399 & BS 7818, Civil Engineering Specification for the Water Industry (CESWI) 7th Edition Clause 2.60 Handrails & Balusters & The Engineering Equipment and Materials Users' Association (EEMUA) Publication 105 7th Edition Factory Stairways, Ladders and Handrails.
Other design loads available on request.
GRP/FRP Handrails also available.



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DRAWING TITLE:

SERIES 600 HEADWALL (2050 HIGH) LEVEL WINGWALL STANDARD & OPTIONAL FEATURES

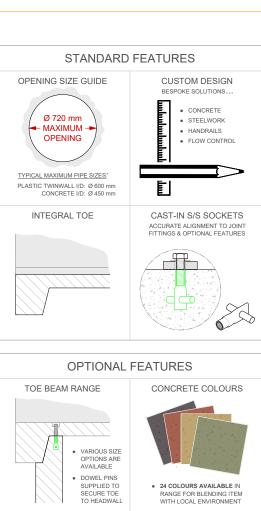
TOTAL WEIGHT (CASTINGS ONLY): 2200 kg

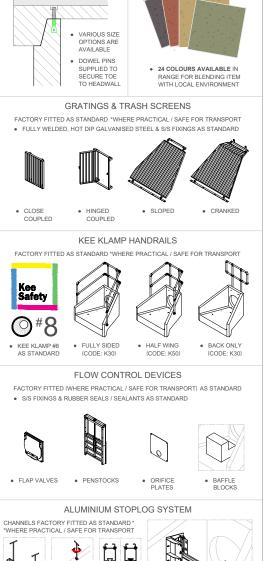
CONCRETE MIX DESIGN

CO² EMISSION REDUCTION ★ -50%

DRAWN: PN | ISSUE #: 01 | SHEET #: 1 of 1 | DATE: 12/2/24

600-2050-LW





 VARIOUS BOARD HEIGHT / TYPES AVAILABLE • LOCKING BRACKETS & T-KEY KITS SUPPLIED, S/S FIXINGS & RUBBER SEALS AS STANDARD