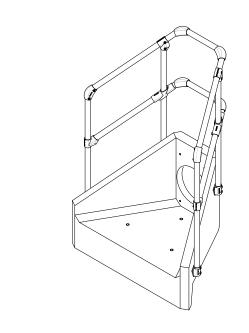
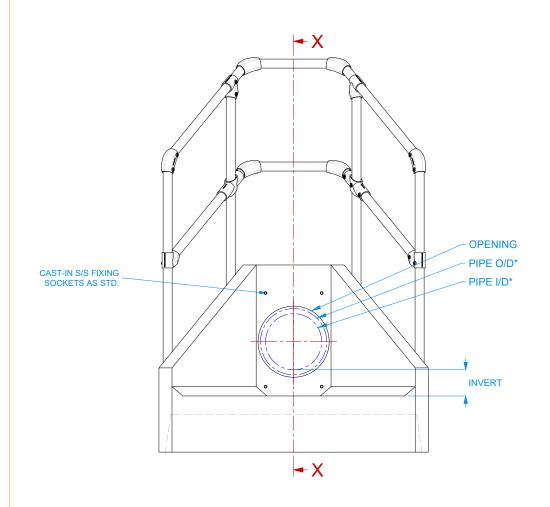


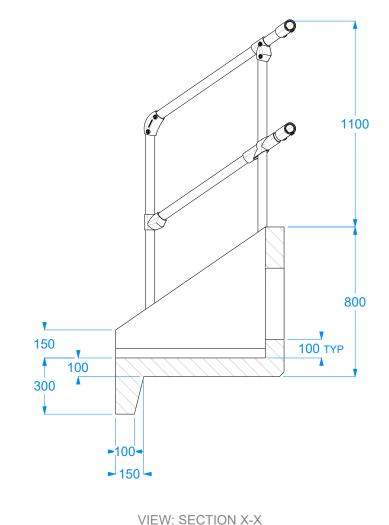
VIEW: TOP

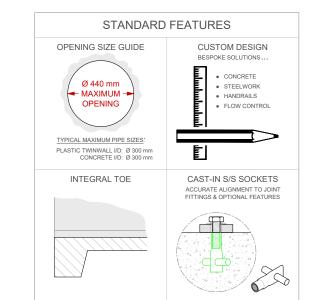


VIEW: ISOMETRIC



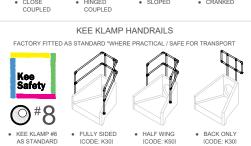
VIEW: FRONT



















ALUMINIUM STOPLOG SYSTEM





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



DRAWING NOTES

- DO NOT SCALE DRAWING
- SPECIFICATION INFORMATION Opening in back wall cast to suit outer dimension of pipe.
 Invert level of pipe can be set to your specification.

HEADWALL INSTALLATION -ninimum 150mm thick well compacted

Class 6N or 6K* well g and granular material with 50mm topping of fine material (Class to ensure units are level and stable. *Manual of contract do ents for Highway Works: Volume (MCHW1) specification Highway Works, Series 600 (Nov 09). HANDLING A. Weight

Weight of concre based on 2.4 tonne/m³ +5% is recommended fo
All lifting points s
be used as specified below

C. Unit to be lifted a r lifting diagram CONCRETE
A. Mix ref: Self-com ing DC4 / DS4 Mix.

Lifting strength b: I on 2 cubes = 20N/mm²

Characteristic 28 cube strength = 50N/mm². Concrete provide special Digest 1, le F2.

REINFORCEMENT Reinforcement to EN 13369. Scheduling, dime ons, bends & cutting to BS8666.

Cage to be mach tied with steel wire. MANUFACTURE

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

Marking, Units shall be indelibly marked to show: Mould reference code.

De-mould date.

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

Concrete structure designed to Eurocode 2.

- Althon 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 of 10kN/M².
- Weight of soil = 18kN/M².
 Angle of internal friction = 30 Deg.

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

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.

HANDRAIL SPECIFICATION A. Kee Klamp® Galvanised Size 8 Fittings.

- 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 300 HEADWALL (800 HIGH) STANDARD & OPTIONAL FEATURES

TOTAL WEIGHT (CASTINGS ONLY): 530

CONCRETE MIX DESIGN

 $^{\text{CO}^2\text{ EMISSION}}_{\text{REDUCTION $\rlap{$\star$}}}$ -50%

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

300 - 800