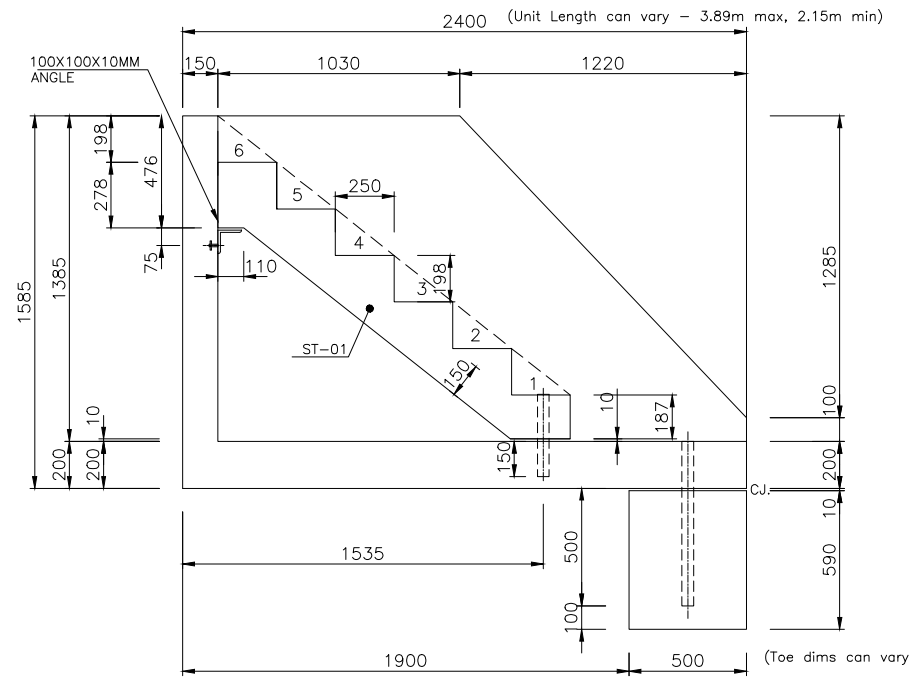


DO NOT SCALE - IF IN DOUBT, ASK

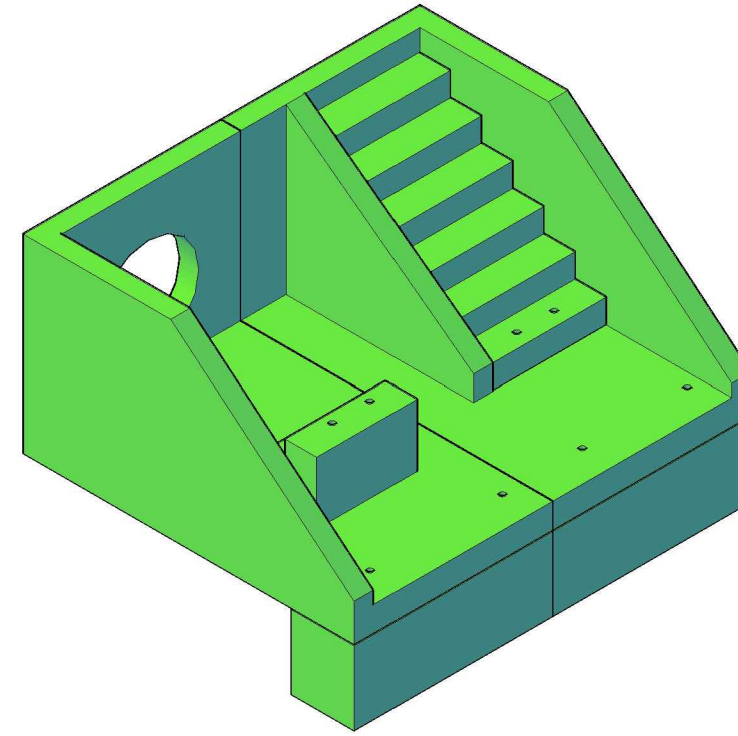


SECTION A-A

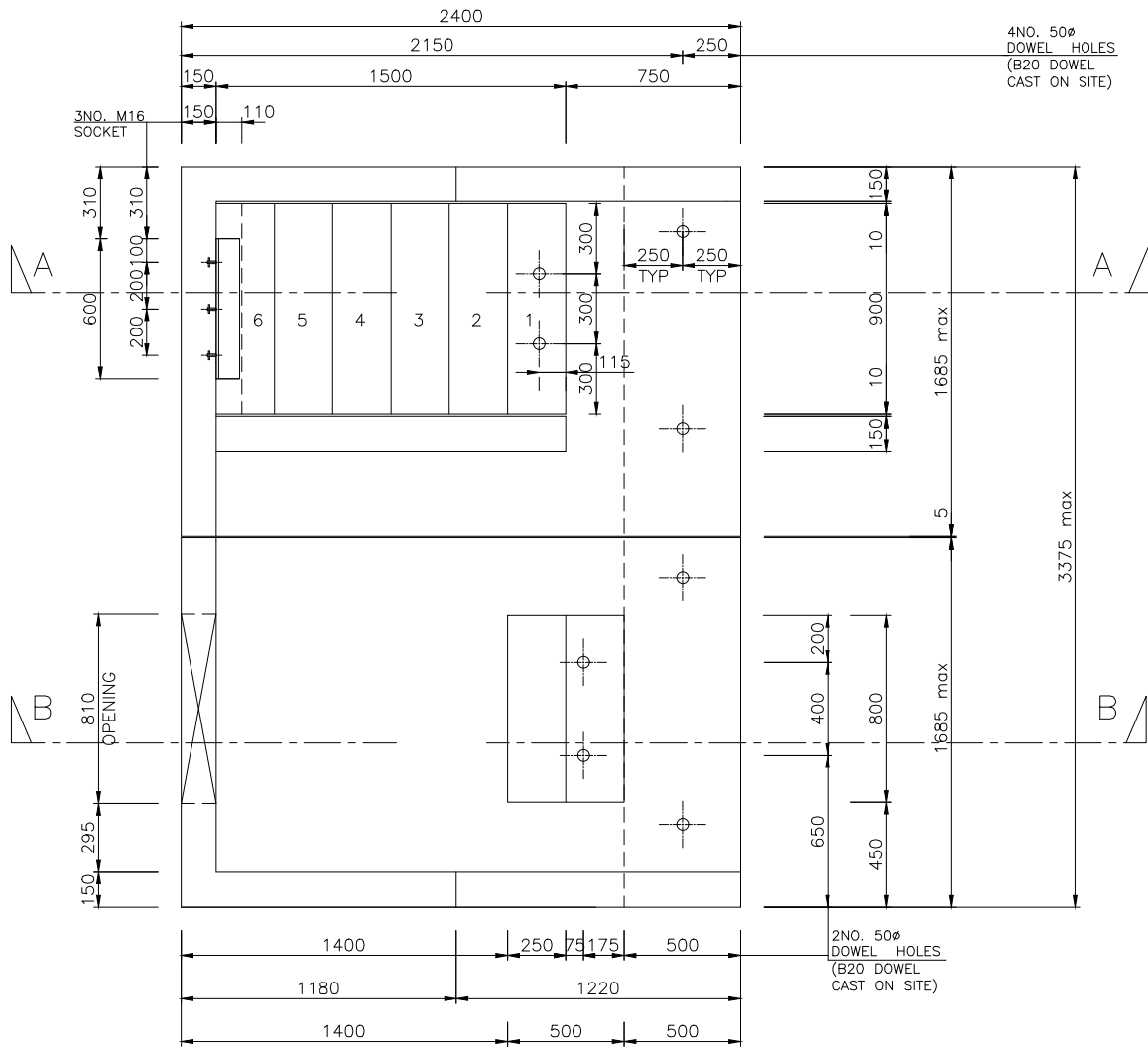
REINFORCEMENT: A393 MESH  
CENTRAL TO ALL WALL SECTION  
AND 2 LAYERS A393 MESH IN  
BASE (OR EQUIVALENT LOOSE  
BAR)

FOR STAIR UNITS REFER DWG NO.  
SWP\_ST\_01

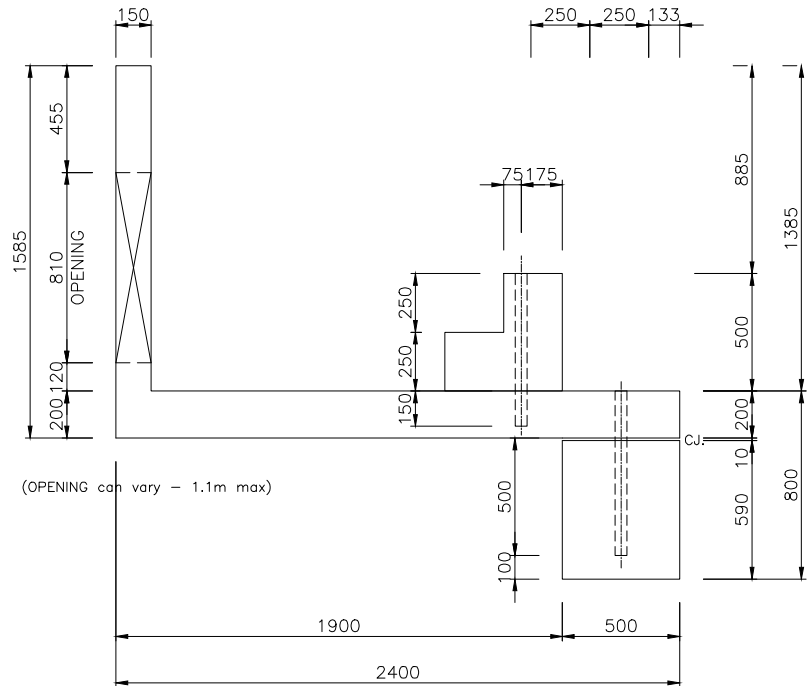
Manufacture Tolerances		
Allowable dimensional variations shall not exceed the following:		
Length	Variation	Cross section
Up to 3m	± 6mm	Up to 500mm
3 to 4.5m	± 9mm	500 to 750mm
4.5 to 6m	± 12mm	Additional for every subsequent 250mm
Additional for every subsequent 6m	± 6mm	± 3mm
Straightness or bow (deviation from intended line)		Variation
Up to 3m		± 6mm
3 to 6m		± 9mm
6 to 12m		± 12mm
Additional for every subsequent 6m		± 6mm



ISO VIEW



PLAN



SECTION B-B

- NOTES**
- Design & Manufacture:**
    - Designed in accordance with EUROCODES.
    - Manufactured in accordance with Series 1700 Specification for Highway Works.
    - Loading Soil + Surcharge = 5kN/m<sup>2</sup>.
    - Water level above invert: External = 0 mm Internal = 0 mm
    - SWP have designed the reinforced concrete units only. Stability and soil structure interaction should be checked by the overall scheme designer.
    - No allowance has been made for construction traffic. A design check will only be completed on request.
  - Concrete:**
    - Lifting cube strength = 25 N/mm<sup>2</sup>.
    - Min. Characteristic 28 day cube strength = 50 N/mm<sup>2</sup>.
    - Mix Reference - SWP/C40/50
    - Design Chemical Class: DC1
  - Reinforcement:**
    - CARES approved, grade B500B conforming to BS 4449:2005. Grade B500C may be used in place of B500B.
    - Scheduling, dimensioning, bending & cutting of steel to BS 8666:2005.
    - Tying wire to be 1.2mm dia. stainless steel.
    - Reinforcement adjusted locally to accommodate lifting anchors.
  - Durability:** (BS 8500)
    - Design Life = 120 years.
    - Exposure Class:
 

Face	Exposure Class Provided
All	XC3/4, XD2, XF2
  - Cover to reinforcement:**

Face	Min. Cover	* Max. Cover
All	40mm	50mm

\* Max. cover is only applicable to the larger dia. bar on each face.
  - Finishes:**

Class	Formed	Unformed
	F2	U2
  - Handling:**
    - Lifting points to be as specified below. Use all points for lifting & refer also to the Lifting Instructions diagram.

Unit	Qty	System	CFS Ref.	SWL
RHW 1.5	-	-	-	-
  - The site lifting equipment may be purchased / hired from CFS Ltd. Tel: 01491 576466  
Lifting clutches Reference:???
  - All lifting recesses to be filled in by others.
  - Unit volume / weight:
 

Unit	Unit Volume (m <sup>3</sup> )	* Unit Weight (assuming 2.5T/m <sup>3</sup> )
RHW 1.5	tbc	tbc Tonnes ±10%

\* Weight for craneage to be checked by main contractor.
  - Storage: Units supported on 2 no. bearers at approx. 1/5th points.
- Marking:**
  - Units shall be indelibly marked to show the member mark, cast date, unit weight and either the contract number or name.
- Joints:**
  - Joints may contain compressible sealant and primer system such as 'Tokstrip' or similar approved. It is the contractor's responsibility to ensure that such material is compatible with the joint dimensions shown on this drawing.
  - The standard box culvert joint, shown on this drawing, cannot be guaranteed 100% watertight. Where the watertightness of joints is critical, specialist advice should be sought and additional provision made.

Rev	Date	Amendment	By	Chkd
0	13.07.21	FOR APPROVAL	PSP	MH
0	12.02.19	FOR APPROVAL	PSP	MH

Contract: STANDARD HEADWALL UNIT

Title: MOULD DRAWING  
1.385m INTERNAL  
HIGH HEADWALL

Drawn By: PSP  
Date: 13.02.2019  
Scale: 1:15  
Checked: MH

Status: FOR APPROVAL

**SWP**  
CONCRETE SOLUTIONS LTD

No. RHW 1.5  
Rev. A

cm A1