

M20 TURNBUCKLE

GENERAL DRAWING NOTES

- C. DO NOT SCALE DRAWING.

SPECIFICATION INFORMATION

Openings sized to suit outer dimension of pipe.
 Invert level of pipe can be set to your specification

PRECAST UNIT INSTALLATION
Units should be bedded on minimum 100mm thick layer GEN1 concrete base to ensure units are level and stable.

- Weight of concrete is based on 2.4 tonne/m³, +5% is recommended for sizing appropriate lifting equipment.
   Unit to be lifted as per drawing / available lifting guide.

- Digest 1, Table F2.

- Reinforcing Wire structure 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 0086-CPR-650448 & BS EN 13369.

Tolerances to BS EN 13369 clause 4.3.1.1. Surface Finishing:

 Top
 Sides
 Rear
 Rear of Backwall

 Class
 A
 A
 A Self-Levelled

- Job reference number & unique product number

- Situation to accessor and sometime of the state of the s

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

	Design Life	>50 yrs, 100mm Thickness			>100 yrs, 150mm+ Thickness		
-	Minimum Cover for	Block Size Cover	Min Size Cover	Max Size Cover	Block Size Cover	Min Size Cover	Max Size Cover
	All Faces	33	28	38	55	50	63
	* Design life of >100 yrs can be extended to >120 yrs with Bitumen coating application.						
	-	Company in document		O	decreased and	na na	01 1 1

Exposure Class	Exposure induced by Carbonation	Corrosion induced by Chloride	Freeze/thaw attack	Chemical attack
All Faces	XC3/4	XD3	XF4	XA3

FABRICATION SPECIFICATION
A. Manufacture IAW EN 1090-2 EXC CLASS 1.
B. Material grade is to be: BS EN 10025 S275.
C. 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.

# C250 CLASS LOADING SPECIFICATION

- Unit designed to C250 dass loading specification for heavy duty site applications (250kN / 25 ton load rating). Design limitations in place to meet C250 specification as following; Secondary side hole diameter is limited to maximum of 50% size of primary side hole diameter, as indicated on drawing.
- C Unit must be installed between the specified cover depth range detailed as follows, with the top of the cover slab set down between 1000mm maximum -to- 600mm minimum below the site surface level as indicated on drawing view.



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V CHAMBER 150mm WALL THICKNESS. 1500x1500x3000mm +PCC COVER SLAB C250 CLASS LOADING SPECIFICATION STANDARD & OPTIONAL FEATURES

CONCRETE MIX DESIGN, NAME / CODE #: ECO1 / DS4 CONCRETE CO<sup>2</sup> EMISSION (ESTIMATE) kg: -

WEIGHT BREAKDOWN BY TYPE - All FIGURES IN kg UNITS:

				U		U	
CHA	MBER, MI	JLTIPLE-PIE	CE:			0	
F1:	4110	0		0		0	
B1:	4110	0		0		0	
C1:	1608	0		0		0	
	0	0		0		0	
	0	0		0		0	
TOE BEAM:		0	0   0		TOTAL WEIGHT: 9828		
DRAWN: PN		ISSUE #: 01 S		SHEET	#- 1	DATE: 12/2/24	

V.CHA-150-1500X1500X3000