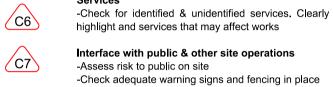
SAFETY HEALTH
& ENVIRONMENTAL
INFORMATION

INFORMATION				
In addition to the hazards/risks normally associated with the type of work detailed on this drawing, note the following risks and information.				
	here are not exhaustive. Refer to Designer's ment and pre-construction phase plan.			
CONSTRUC	TION			
C1	Managing flow & stage levels in River Exe -Monitor flow levels & flood warnings. -Check adequacy of cut-off & stability of cofferdams, if used.			
C2	Managing seepage flows through weir -Monitor seepage -Check stability of cut face in weir and assess permeability of formation material. -Check adequacy of cut-off & stability of cofferdams			
C3	Working near water -Avoid working near water where possible -Allow provision for fixed edge protection to eliminate falls into water -Allow provision for systems for work positioning and fall arrest -Assess bank stability / conditions considering access for personnel and machinery -Wear appropriate PPE			
C4	Risk of falls from height -Check depth of excavations -Allow provision for fixed guard rails to eliminate falls from height and appropriate means of access not involving ladders -Allow provision for systems for work positioning and fall arrest			
C5	Lifting -Check cranage lifting facilities & constraints -Check access weight & size restrictions for cranage at bridge crossings along access route to site			
C6	Services -Check for identified & unidentified services. Clearly highlight and services that may affect works			



DEMOLITION

ENVIRONMENTAL

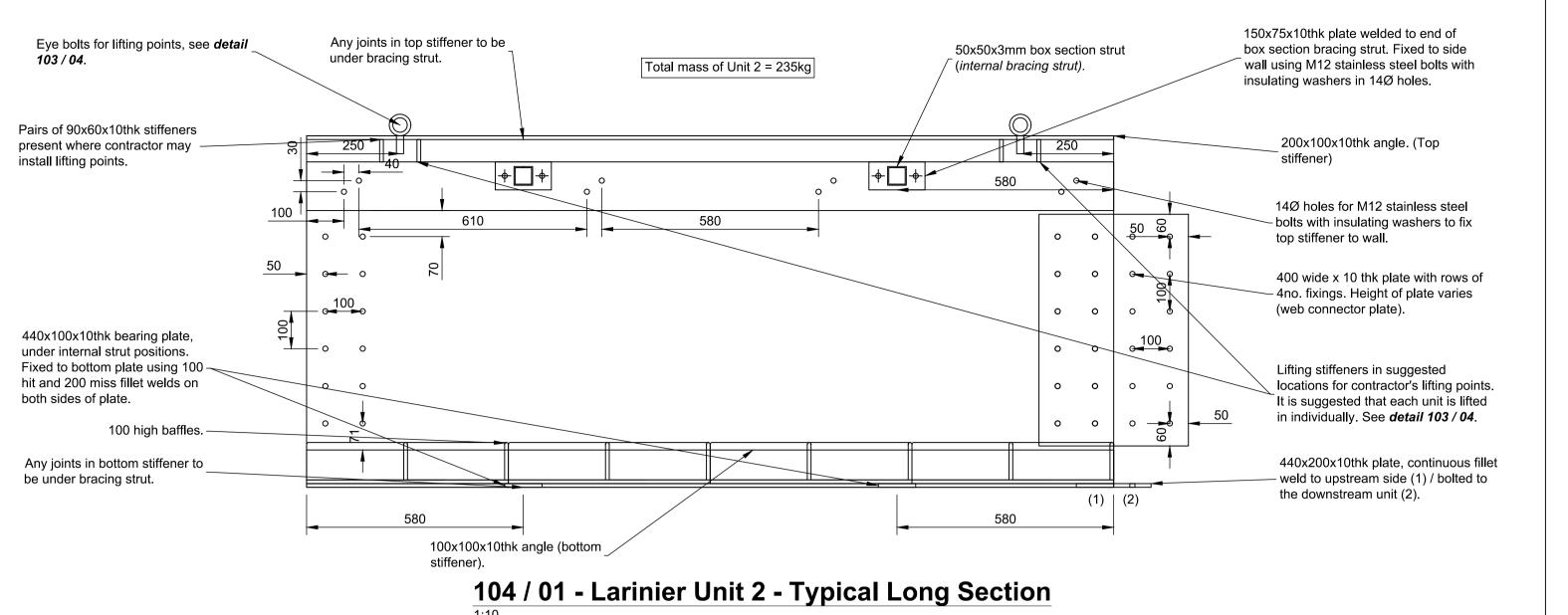
 $\langle E1 \rangle$

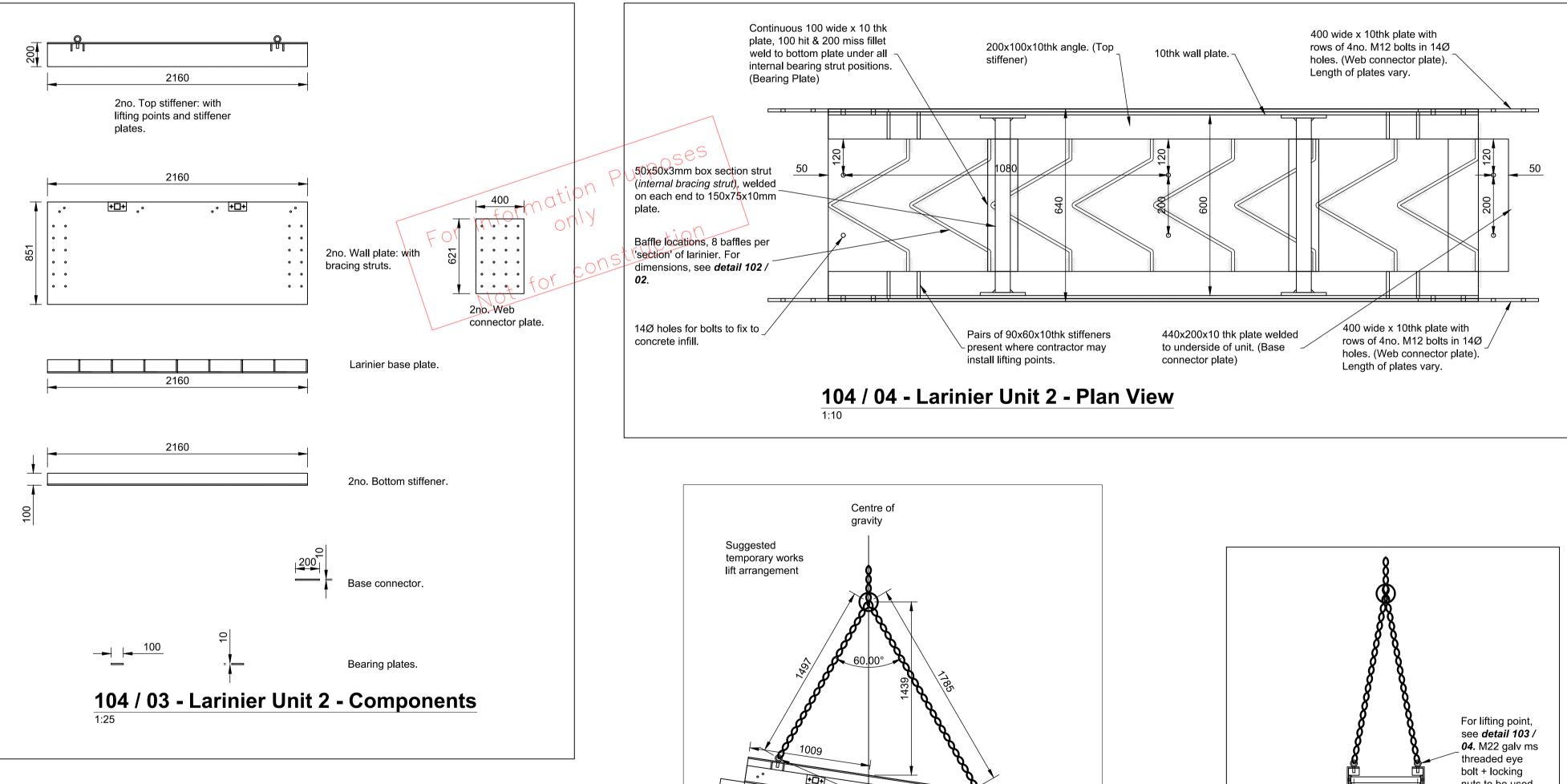
Pollu	tion of Watercourse
-Crea	ite a suitable dry working area
-Refe	r to 'Guidance for Pollution Prevention 2018'
-Prod	luce a Site Waste Management Plan
-Prod	luce a a Site Environmental Emergency Plan
- Hav	e a suitable incident Response Plan in place

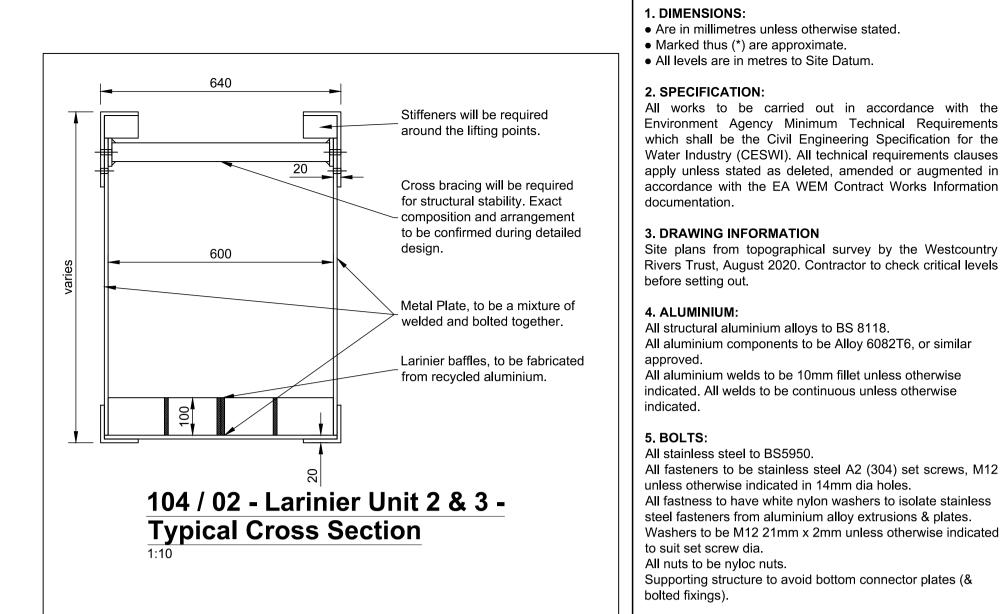
OPERATION & MAINTENANCE

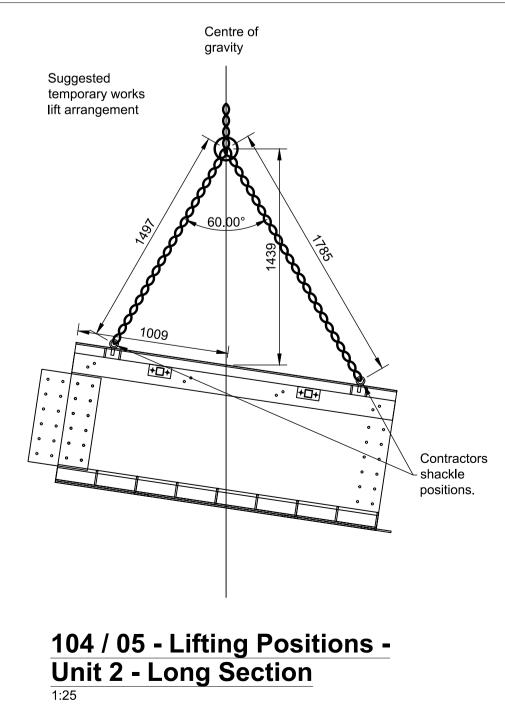
For information relating to Use, Cleaning and Maintenance see the Health and Safety File

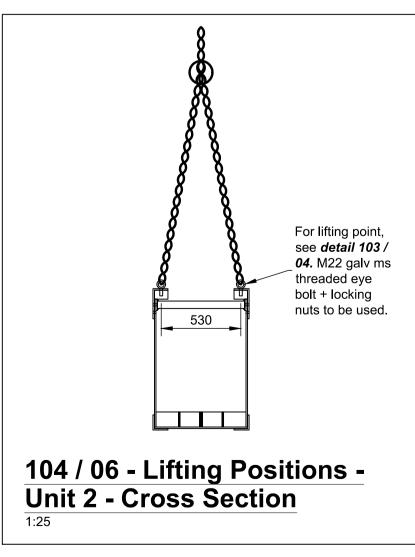
It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement











Detailed Design Scales As shown Α1 Datum N/A N/A

Status

6. FABRICATION:

site

of fabrication.

7. ASSEMBLY:

Fabrication drawings to be prepared by the fabricator. All fabricated structural steelwork & aluminium structures

All structural material components, used within the

Size of connection plates & bolt hole positions to suit

1090-2 including NSSS V5 CE Marking Version.

fabricated and executed structure, to conform to BS EN

fabrication tolerances and checked for fit prior to deliver to

Existing weir profile to be surveyed prior to commencement

All bolted connection plates to receive bead line of Sika-flex.

AF ML TC

AF ML TC

Auth. Chkd. Appr

Della

M.L.

The

Current Issue Signatures

C Copyright reserved

Author

hecker

A. Frampton

M.Lakin

pprover **T.Coe**

executed to conform to BS EN 1090-2.

P02 03/06/21 Detailed Design - For Tender

Rev. Date Description

P01 25/05/21 Detailed Design - For Comment

NOTES:

Filename Client





PROJECT

Bridgetown Weir

TITLE

Larinier Unit 2 Details

Drawing No.		Project No.		Revision
104	_	02900 -	-	P02

SAFETY HEALTH & ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the type of work detailed on this drawing, note the following risks and information.					
	here are not exhaustive. Refer to Designer's ment and pre-construction phase plan.				
CONSTRUC	TION				
C1	Managing flow & stage levels in River Exe -Monitor flow levels & flood warnings. -Check adequacy of cut-off & stability of cofferdams, if used.				
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C4	Risk of falls from height -Check depth of excavations -Allow provision for fixed guard rails to eliminate falls from height and appropriate means of access not involving ladders -Allow provision for systems for work positioning and fall arrest				
<u>C5</u>	Lifting -Check cranage lifting facilities & constraints -Check access weight & size restrictions for cranage at bridge crossings along access route to site				
C6	Services -Check for identified & unidentified services. Clearly highlight and services that may affect works				
С7	Interface with public & other site operations -Assess risk to public on site -Check adequate warning signs and fencing in place				

DEMOLITION

ENV	IRON	MEN	ITAL

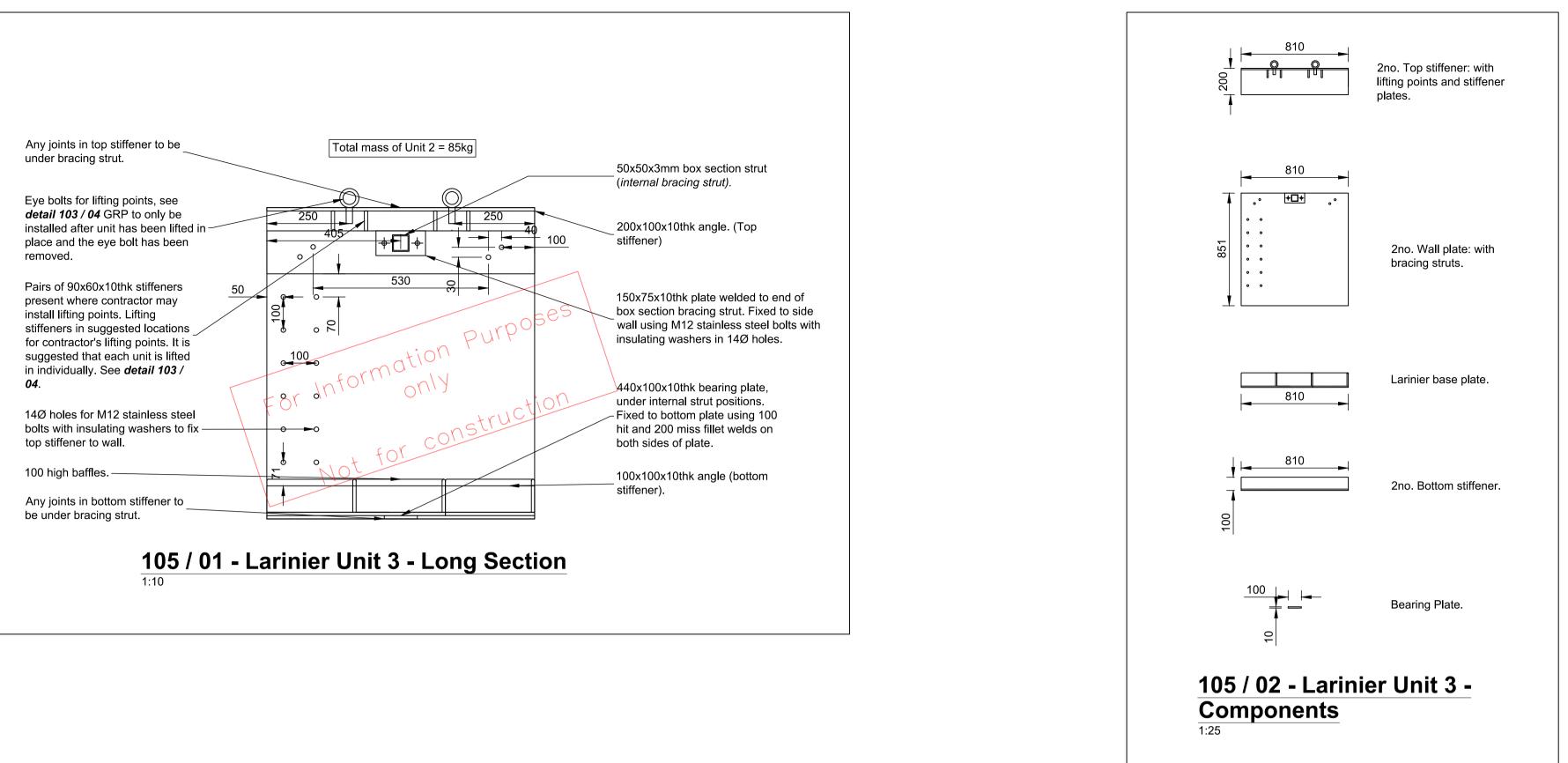
\wedge	Pollution of Watercourse
E1	-Create a suitable dry wor

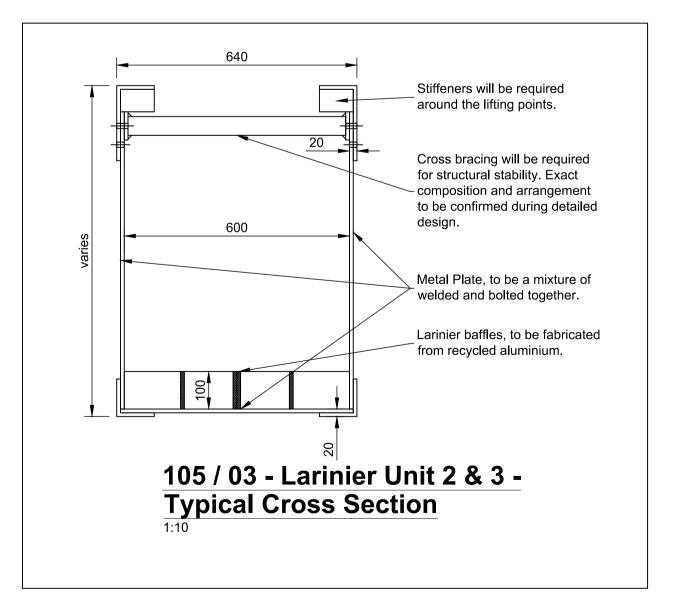
 Create a suitable dry working area
-Refer to 'Guidance for Pollution Prevention 2018'
-Produce a Site Waste Management Plan
-Produce a a Site Environmental Emergency Plan
- Have a suitable incident Response Plan in place

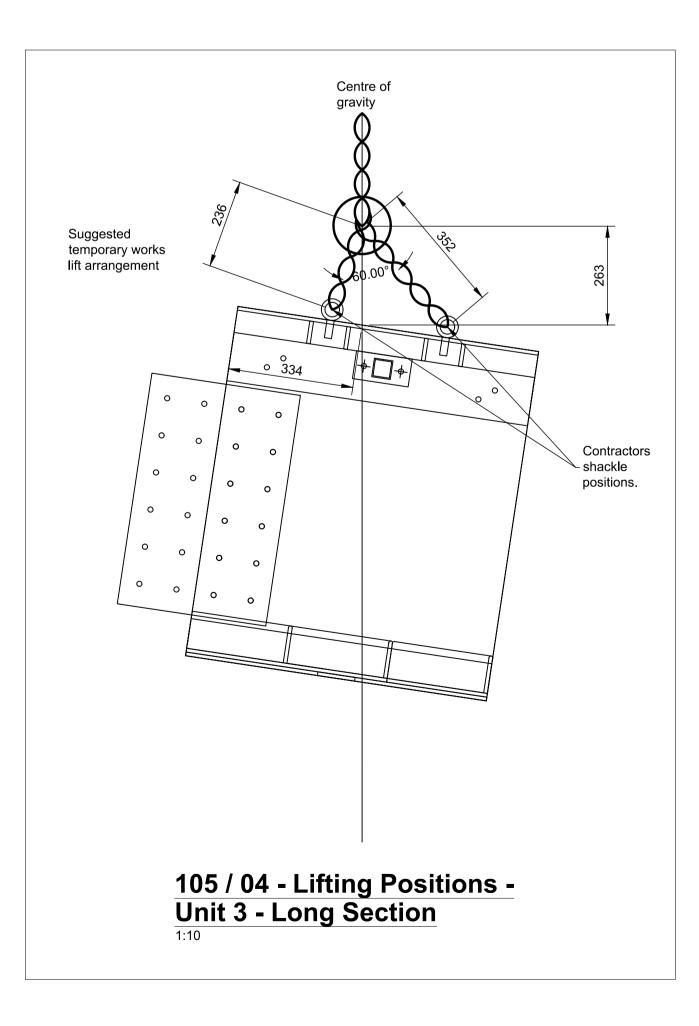
OPERATION & MAINTENANCE

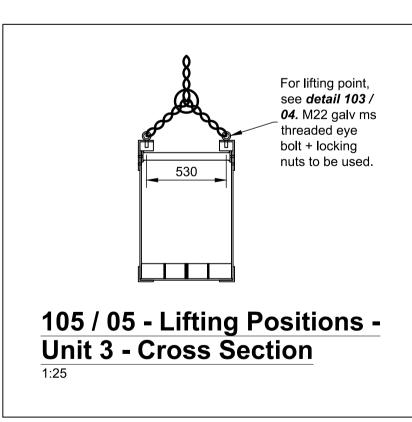
For information relating to Use, Cleaning and Maintenance see the Health and Safety File

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement









1. DIMENSIONS:

• Are in millimetres unless otherwise stated.

 Marked thus (*) are approximate. • All levels are in metres to Site Datum.

2. SPECIFICATION:

All works to be carried out in accordance with the Environment Agency Minimum Technical Requirements which shall be the Civil Engineering Specification for the Water Industry (CESWI). All technical requirements clauses apply unless stated as deleted, amended or augmented in accordance with the EA WEM Contract Works Information documentation.

3. DRAWING INFORMATION

Site plans from topographical survey by the Westcountry Rivers Trust, August 2020. Contractor to check critical levels before setting out.

4. ALUMINIUM:

All structural aluminium alloys to BS 8118.

All aluminium components to be Alloy 6082T6, or similar approved. All aluminium welds to be 10mm fillet unless otherwise

indicated. All welds to be continuous unless otherwise indicated.

5. BOLTS:

All stainless steel to BS5950.

All fasteners to be stainless steel A2 (304) set screws, M12 unless otherwise indicated in 14mm dia holes. All fastness to have white nylon washers to isolate stainless

steel fasteners from aluminium alloy extrusions & plates. Washers to be M12 21mm x 2mm unless otherwise indicated to suit set screw dia.

All nuts to be nyloc nuts. Supporting structure to avoid bottom connector plates (& bolted fixings).

6. FABRICATION:

Fabrication drawings to be prepared by the fabricator.

All fabricated structural steelwork & aluminium structures executed to conform to BS EN 1090-2. All structural material components, used within the

fabricated and executed structure, to conform to BS EN 1090-2 including NSSS V5 CE Marking Version. Size of connection plates & bolt hole positions to suit

fabrication tolerances and checked for fit prior to deliver to site Existing weir profile to be surveyed prior to commencement of fabrication.

7. ASSEMBLY: All bolted connection plates to receive bead line of Sika-flex.

P02	03/06/21	Detailed Design - For Tender	AF	ML	тс
P01	25/05/21	Detailed Design - For Comment	AF	ML	ТС
Rev.	Date	Description	Auth.	Chkd.	Appr.
Status					

Detailed Design

Scales	A	Current Issue Signatures				
	As shown	Author A. Frampton	Pala			
Original Size	A1	Checker M.Lakin	M.L.			
Datum	N/A	Approver T.Coe	The			
Grid	N/A	C Copyright reserved				
Filename						

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PROJECT

Bridgetown Weir

TITLE

Larinier Unit 3 Details

Drawing No. Project No. Revision 105 -02900 - P02