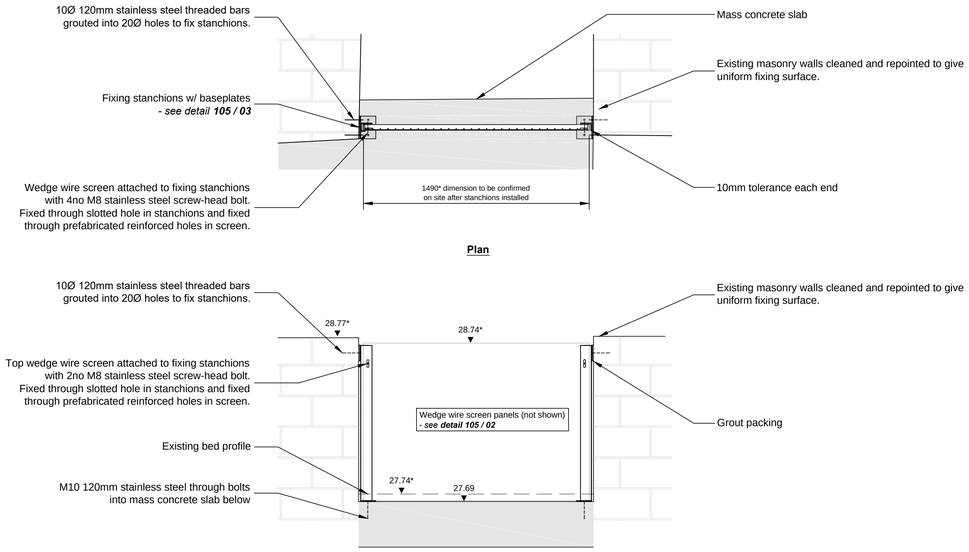
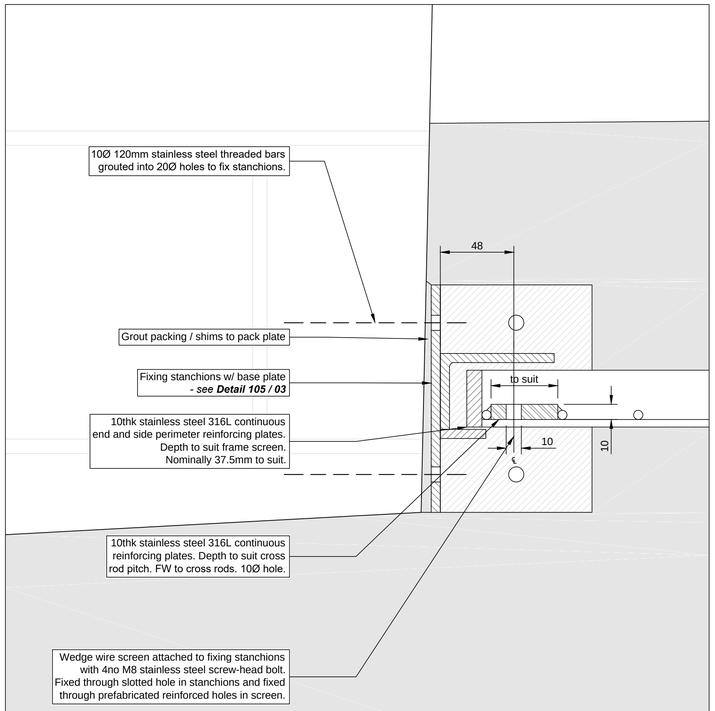


105 / 01 - Detail - Assembled Leat Screen

Scale 1:20



105 / 04 - Detail - Plan Assembled Leat Screen

Scale 1:2

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.

Risks listed here are not exhaustive. Refer to Designer's Risk Assessment and pre-construction phase plan.

CONSTRUCTION

C1 **Managing flow & stage levels in River Fowey**
- Monitor flow levels & flood warnings.
- Check adequacy of cut-off & stability of cofferdams.

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 **Risk of falls from height**
- Check depth of excavations.
-Check adequate edge protection and access provision onto weir.

C4 **Lifting**
- Check cranage lifting facilities & constraints.
- Check access weight & size restrictions for cranage along access route to site.

C5 **Interface with public & other site operations**
- Check adequate warning signs and fencing in place.

C6 **Services**
- Check for services.

C7 **Stability of Excavations & Structures**
- Check temporary works & construction sequencing to maintaining structural integrity of weir and stability of adjacent walls.

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

NOTES:

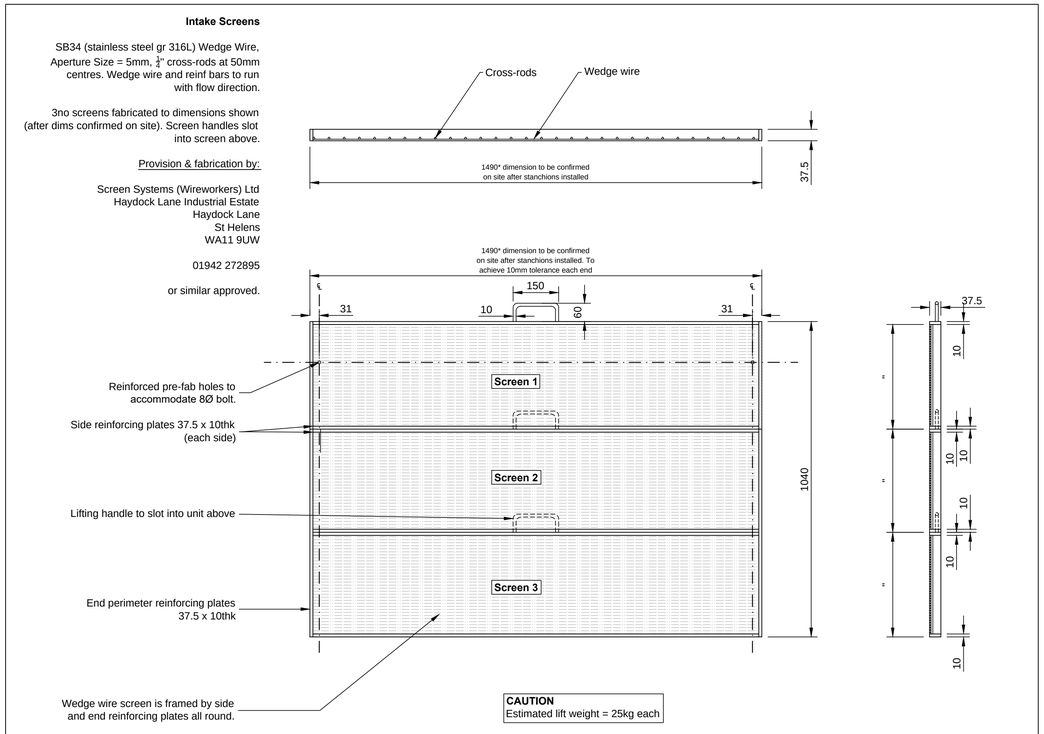
1. DIMENSIONS:
- Are in millimetres unless otherwise stated
- Marked thus (*) are approximate
- All levels are in metres to Site Datum
- Critical levels set out to crest level. Temporary site datum to be agreed on site.

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).

3. ALUMINIUM:
- All structural aluminium alloys to BS8118.
- Sheet plate grade to be Alloy 5251 H22 Temper, **o.s.a**.
- All aluminium welds to be 10mm continuous fillet welds unless otherwise indicated.

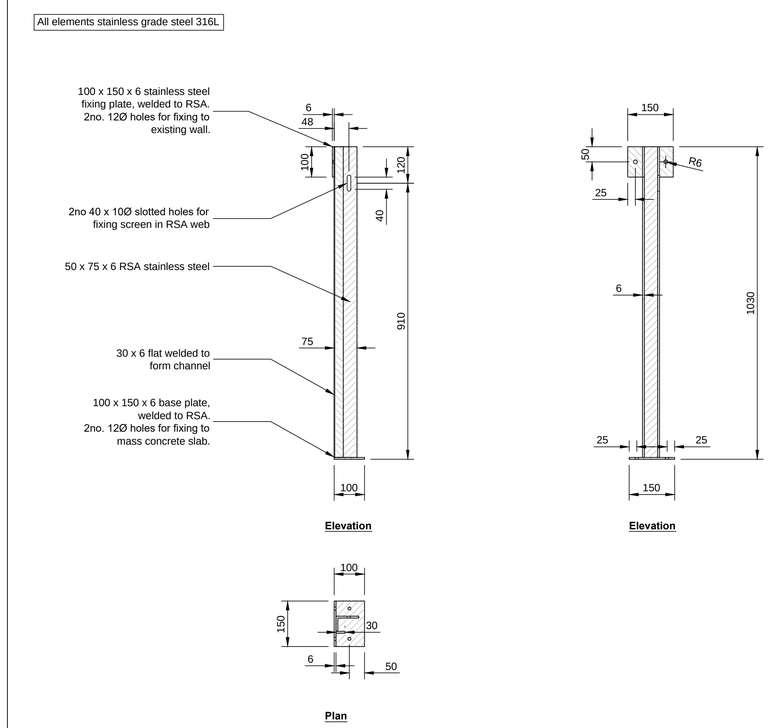
4. FABRICATION:
- Fabricator to prepare fabrication drawings.
- All structural **material components** & all **fabricated** aluminium or stainless steel structures executed to conform to BS EN 1090-2.
- Size of connection plates & bolt hole positions to suit fabrication tolerances and checked prior to delivery to site.

5. STAINLESS STEEL:
- All structural stainless steel 316L, **o.s.a.**
- Wedge wire screen by Screen Systems (Wireworkers) Ltd.



105 / 02 - Detail - Wedge Wire Screen

Scale 1:10



105 / 03 - Detail - Leat Screen - Fixing Stanchions w/ Base Plates

Scale 1:10

For Information Purposes only

Not for construction

Issue	Description	Date
P01	For Information	20 / 06 / 19

Status: Detailed Design

Scales	As shown	Current Issue Signatures	
		Author M.Giblin	
Original Size	A1	Checker M.Lakin	
Datum	N/A	Approver I.St.-R.	
Grid	N/A	© Copyright reserved	

Filename:

Client: Westcountry Rivers Trust

FISHTEK CONSULTING

PROJECT: WFG Framework Glynn Weir

TITLE: Leat Screen Assembly and Fabrication Details

Drawing No.	Project No.	Issue
0105	- 02458	- P01