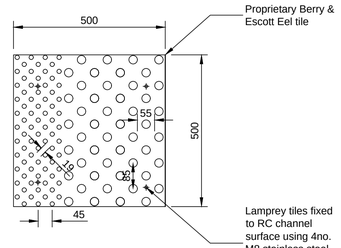


Approximately 11no. Required, cut to suit where required

104 / 01 - Eel Tile Substrate

Scale 1:10

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:

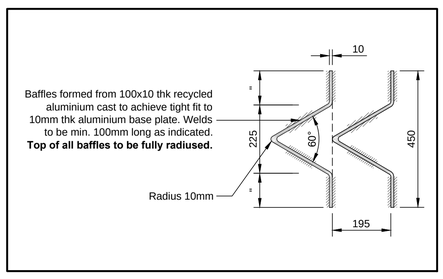
1. DIMENSIONS:
- Are in millimetres unless otherwise stated
- Marked thus (*) are approximate
- All levels are in metres to Site Datum

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).

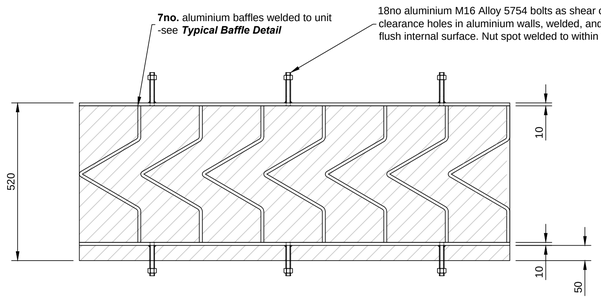
3. REINFORCED & MASS CONCRETE
- All concrete to comply with BS 8500-2.
- **Mass concrete** and **reinforced concrete** of the same mix.
- Concrete to have a minimum strength class of C35 / 45.
- Designated Mix REQUIREMENTS:
  - RC 35 / 45
  - 20mm max. aggregate size
  - S3 consistency class
- Reinforcement: All steel reinforcement shall be deformed Type 2 and shall be cut and bent to BS4466 or BS4449.
- Minimum cover to reinforcement C_{min} = 60mm.
- All exposed edges to have 25mm chamfer, with exception to abutting joints.
- Exposed formed concrete to have fair worked finish.
- Exposed unformed concrete to have wood float finish.
- Nominal 100mm layer of mass concrete blinding for pours.

4. 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.

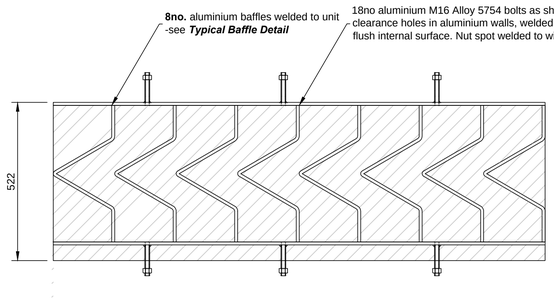
5. FABRICATION:
- Fabricator to prepare fabrication drawings.
- All structural **material components** & all **fabricated** aluminium structures executed to conform to BS EN 1090-2.
- Size of connection plates & bolt hole positions to suit fabrication tolerances and checked prior to delivery to site.



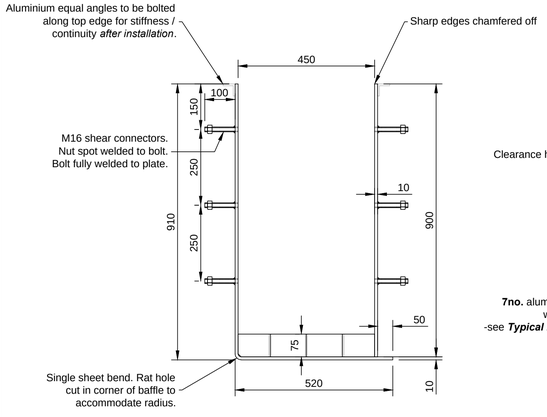
Typical Baffle Detail - 29no required



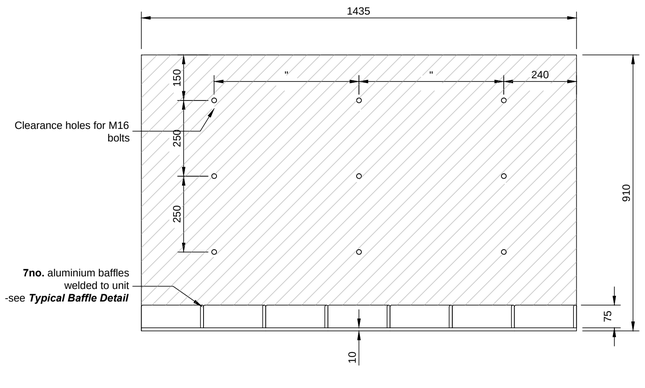
Plan (Unit Type 1)



Plan (Unit Type 1)



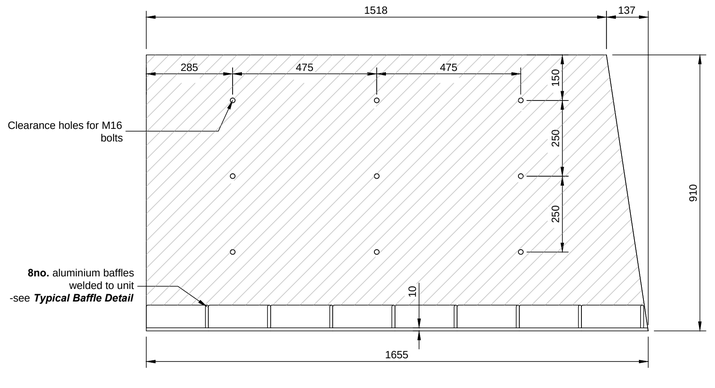
Typical Section (Unit 1 & Unit 2)



Long Section (Unit Type 1)

C7

Caution:
Estimated lift weight= 110kg
Aluminium units to be internally braced during installation and concrete pouring works to maintain form, subject to contractors method of working.



Long Section (Unit Type 1)

C7

Caution:
Estimated lift weight= 120kg
Aluminium units to be internally braced during installation and concrete pouring works to maintain form, subject to contractors method of working.

104 / 02 - Larinier - Fabricated Aluminium Elements

Scale 1:10

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: Aluminium Larinier Fabricated Elements and Eel Tiles

Drawing No.	Project No.	Issue
0104	- 02458	- P01