



- NOTES:**
1. Coanda Screen to be mounted on concrete head wall and foot wall via welded frame and stainless steel bolt fixings. Screen and frame material- 304 stainless steel. Frame to be sealed to wing wall using grout, mastic or silicone.
  2. Fish passage to occur through Q95 notch and flow split section abiding to NRW recommendations. Rectangular notch ensures Q95 flow is left in river at all times. Bottom of notch is situated 173 mm below crest of head wall
  3. Water level in sump to be controlled via head sensor and automated spear valve at turbine house.
  4. Impoundment concrete base level dependent on bedrock. Excavation to take place until firm, unbroken ground is available. Keyed to bedrock with dowels/rock anchors as required.
  5. For Plan view see drawing CROES\_07.
  6. This drawing is to be read in conjunction with all other engineering drawings

**TOLERANCES:**

Final building dimensions may vary by +/- 0.5m depending on final mechanical and electrical equipment selections and NRW licence agreements.

|   |                            |  |       |
|---|----------------------------|--|-------|
| Rev.  | Description:               | By:  | Date: |
| Client:<br>Clough Williams Ellis Foundation |                            |  |       |
| Site Name:<br>Croesor HEP                   |                            |  |       |
| Drawing Title:<br>Intake Elevations         |                            |  |       |
| Drawing No:<br>CROES_06                     |                            |  |       |
| Drawn By / Date<br>RS / 12/04/2018          |                            |  |       |
| Checked By:                                 | Revision:<br>01            | <br>The Mill, Brimscombe,<br>Stroud, Gloucestershire, GL5 2QG<br>Tel.: 01453 88 77 44<br>FAX: 01453 88 77 84<br>www.renewablesfirst.co.uk |       |
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