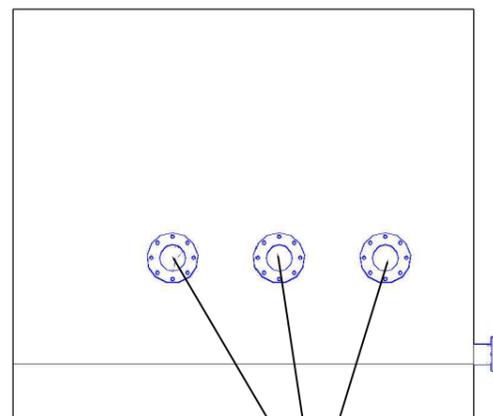
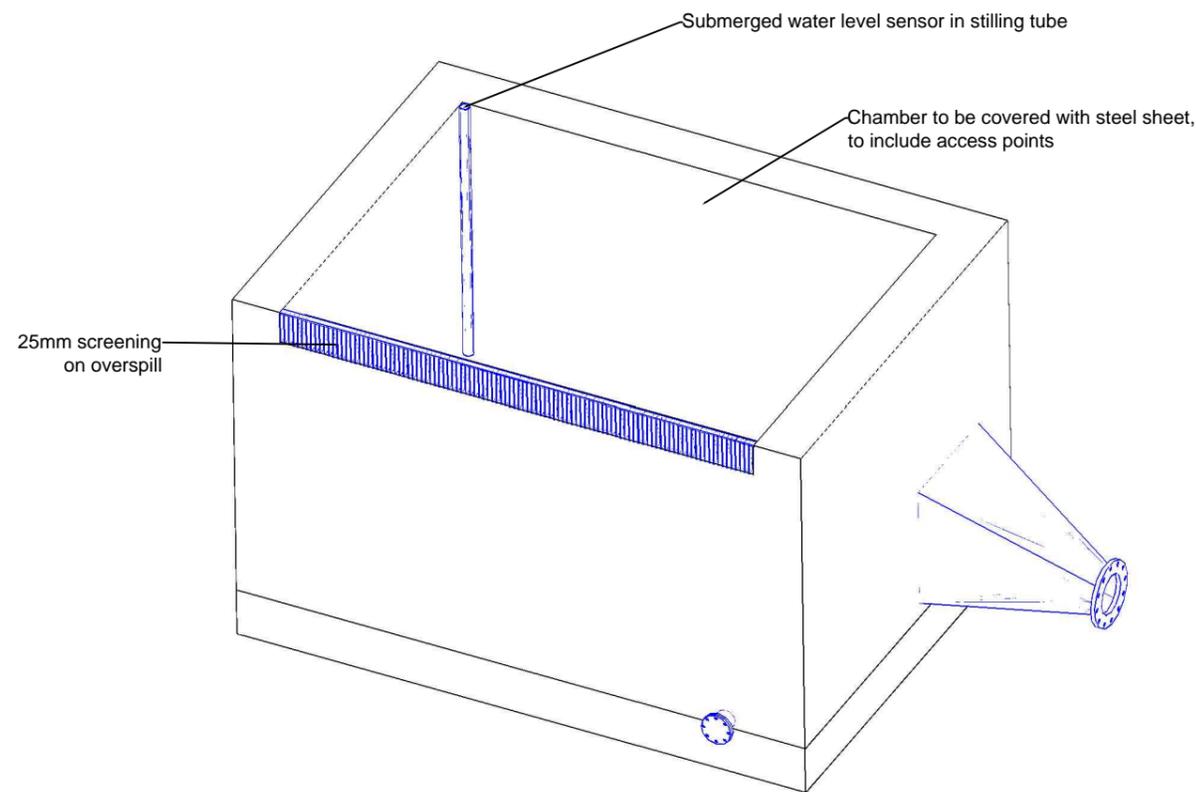
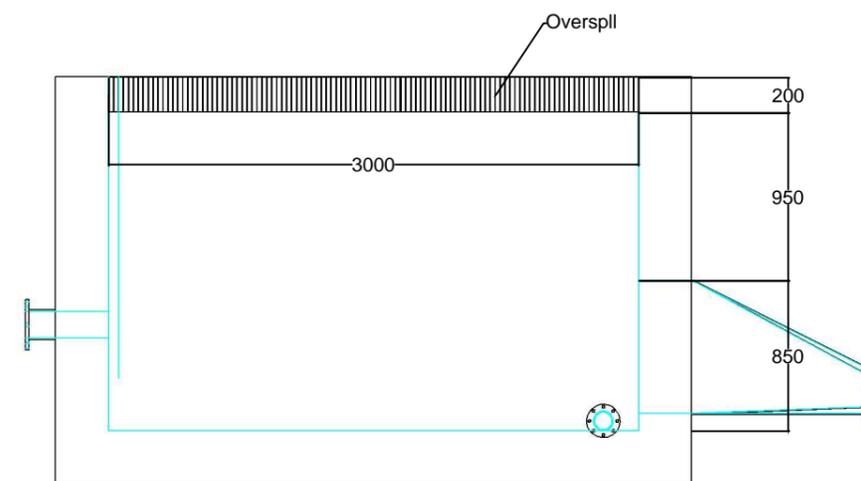


Square to round reducer connects to a 250mm hydro penstock

100mm camber drain point



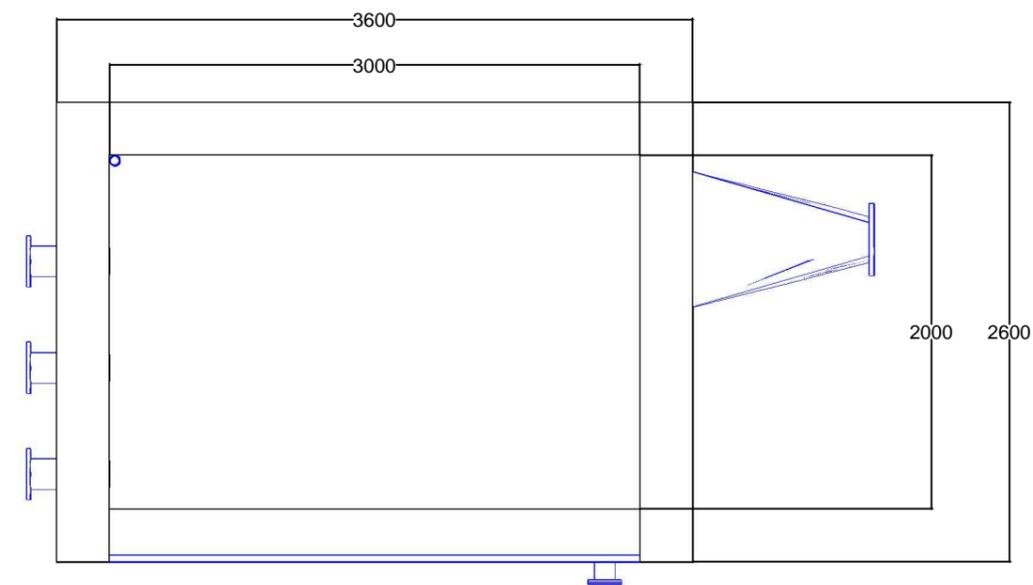
3 x DN200 water input points, one from each intake



Submerged water level sensor in stilling tube

Chamber to be covered with steel sheet, to include access points

25mm screening on overspill



Notes:

1. Header tank designed for 48lps peak hydropower flow.
2. Storage capacity is 9m<sup>3</sup>: 188s at design flow and control level.
3. A rocky ramp spillway is needed between the chamber and the stream to accommodate overflowing water.
4. Spillway screen design indicative only.
5. Structure will be a designated Confined Space. Regular entry is not anticipated. An access plan is required. The chamber cover should be designed accordingly.

Site Address:  
Aberdunant Hall Holiday Park  
Prenteg  
Porthmadog  
Gwynedd  
LL49 9SR

Site: Aberdunant  
Scale: 1:40 at A3  
Drawn by: D. Needle  
Date: 01/03/2023  
Version: 1.3

Header Chamber

