



FAÇADE - BINARY SCREEN

Central to the image and identity of the Broadway Building is the laser cut aluminium screen perforated with an abstraction of the binary code system that abstracts the alphabetical string for the 'University of Technology Sydney Faculty of Engineering and Information Technology'.

The façade skilfully combines screening with transparency and lends permeability to a simple geometric form. Responding dynamically to natural light, our approach would be to explore the opportunities presented by the folds that are worked into the aluminium sheets.

Instead of a uniform wash of light, which risks flattening the textured nature of the façade and contributing to unwanted sky glow, we propose to contain light to the "gills" of the metal skin. Symbolic of a vibrant and healthy life inside the building, the vibrantly illuminated gills assist the building to feel alive and breathe.

Integrated highlights on the façade allow the perimeter of the building to visually extend and merge without defined edge or prescribed direction. The idea of a living laboratory is made manifest on the outside of the building. The gills will not be illuminated during day light hours.

Control of the facade would be fully integrated with any BMS system and/or timer devices as appropriate to maximise energy efficiency.