

4.6 Building Fabric

There is a temptation to apply the most advanced materials to the expression of a building dedicated to material sciences. However, we feel that most important to the building is the expression of material honesty and legible excellence in material use and articulation.

Celebrating the durability and tradition of materials in the campus resonates powerfully with the quiet confidence of the University. Taking those materials, we look to craft them to the limits of their performance in ways that only recent technology has allowed us to discover, and speak clearly to advancement and aspirations in Materials Research.

As the backdrop to scientific pursuit, the building structure exposes its own simplicity. The expression is directed to the craft of materials – the consideration of junctions, assemblage and construction. The simple palette becomes the canvas for future experimentation. Though the base structure, we also craft the spatial qualities of the building that provide the framework for collaborative environments and engaging workspaces. Innovation in the technical nature of the materiality is manifested in the skin of the building. Drawing on recent advancements in composite materials, the façade provides the potential to demonstrate the full potential of composites – by exploiting their flexibility, integral strength and plastic nature. We have chosen materials that are masonry in appearance with interesting characteristics and proven durability – as the basis for the creation of an extraordinary and unique façade.

The ultimate aim is to seek an elegant, timeless expression of quality craftsmanship which articulates the pursuit of technological innovation and the constancy of the University's commitment to integrity and its confidence.

Figure 4.09 Façade Detail





Figure 4.10 Internal View - Collaborative Space

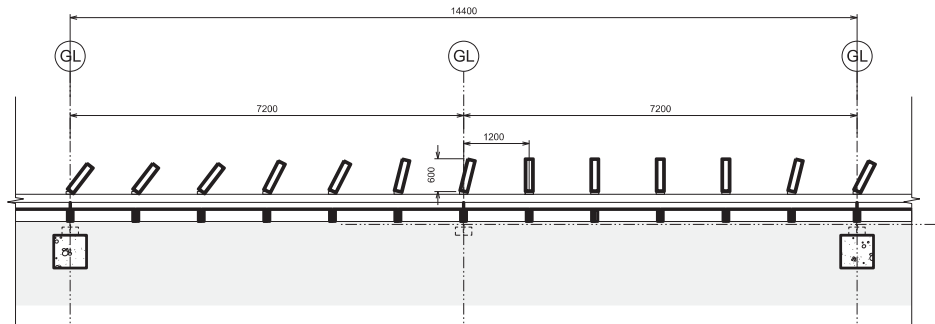


Figure 4.11 - External blades plan



Figure 4.12 - The blades will have a range of surface finishes from rough to smooth



Figure 4.13 Exploded diagram of components through the office zone

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Figure 4.14 Internal View - Collaborative Space



Sustainability

Sustainability:	5
Integration	5.1
Exploration	5.2

5