South West Façade

- To achieve thermal comfort and compliance with JV3 (3D modelling), solar control is required to the highlighted surfaces.
- Solar control panels should be located on façade elements from 0-60° perpendicular to the façade.
Solar Control Option 1

1. Ceramic fritting allows minute control of transparency, reflection to control solar gain, views and privacy.

2. It is possible to fade fritted patterns to prevent hard-edge transparent/opaque banding.

3. Fritting preserves the material integrity and reflective quality of the glass facade.

4. Note: This approach will allow us to maintain fine control of the performance of the facade, even of the geometry of the curvature changes. It is an approach that is resilient in the face of value engineering.
Solar Control Option 3

Reflective Metal with Glazing Connecting

Solid Sheet to Western Face

Façade Option 3
13. Indirect Light
Skylights

Currently 7 circular skylights are proposed in the roof plane.

Some are intended to act as smoke exhausts which will affect their locations.

It is intended some to be clear providing direct daylight and night sky views, others to be translucent delivering filtered and reflected daylight.
Example of Direct or Diffused Daylight Method
14. Offices Option
NEW PERFORMING ARTS VENUE

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