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**THE ROLE OF SHADING SYSTEMS IN THE PERFORMANCE OF CURTAIN WALL
ARCHITECTURE - REGULATIONS, CAPABILITIES & CONSIDERATIONS**

1. What are curtain walls and where are they typically installed?

Curtain walls are non-structural aluminium facade systems, forming the external walls of high-rise buildings

2. What types of curtain walls are available?

There are two main groups of curtain walls:

- Stick Systems – where the fenestration is installed piece by piece and glazed on site.
- Unitised systems – which are prefabricated and modular.

3. How does the selection of a curtain wall effect solar exposure and the thermal performance of high-rise buildings?

Typically exposes the full façade to solar gain, utilizes glass and lightweight materials which have comparatively low thermal resistance.

4. Identify the section of the NCC that relates to energy efficiency.

Section J

5. Do these regulations differ in various locations and climates around the country?

The National construction code accommodates different climate zones in Section J by applying a solar admittance weighting coefficient.

There are also some specific State calculations for NSW, NT & Tas in the NCC.