

## STRUCTURES: HONG KONG GOVERNMENT BUILDING



**Hong Kong HQ:** The new government building takes the form of a massive arch

# GREEN GATEWAY

Hong Kong is getting a new Legislative Council building and government offices complex, which includes high performance bolts for massive steel beams at floor 25.

**T**his year will see the completion of the Tamar Development Project in Hong Kong.

Costing £430M, the development by local architect Rocco Yim Sen-kee is based on the theme "Door Always Open".

It comprises the 27 storey Central Government Complex and the Legislative Council Complex with open spaces, two elevated walkways and other ancillary facilities. Main contractor is a Gammon/Hip Hing joint venture.

The project contains a large

number of environmentally friendly and energy efficient features including double-layered ventilated facades, highly energy-efficient seawater-cooled chiller plants, solar panels to generate electricity, service-on-demand escalators and daylight sensor controls including computerised lighting controls.

One of the lesser known – but equally important – sustainability features is in the connections for the massive steel beams of the "Open Door" on the 25th floor. These have tension control bolts coated in

the environmentally friendly weather resistant Greenkote. Greenkote is used by bolt manufacturer Tension Control Bolts on its products as an alternative to hot-dip galvanizing and

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sheradizing. It is specified for high performance fasteners that require superior long-term corrosion resistance combined with excellent torque lubricity and torque retention.

Construction has taken three years. All works including internal fit out renovations are scheduled to be completed by the middle of 2011. The Legislative Council is expected to move in from its present building in the nearby Central district to Tamar in the summer, while government departments will move in by the end of the year.