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|-----------------------|--|
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The Guangzhou International Finance Center is not only recognised as the tallest building in Guangzhou, but one of the most beautiful. A triangular base supports the slender, curvaceous structure to make efficient use of internal space.

Wilkinson Eyre Architects designed the façade, which features a low-e hollow glass curtain wall, plated in dark, pinstripe glass panels.

CoxGomyl provided an integrated access solution for this newly developed landmark in South China.

One of the architect's requirements for the BMU solution was that it could be used to facilitate the glass replacement process. The engineers designed a BMU with a glass-handling hoist of 700kg capacity, twice the capacity required for most projects.



# Guangzhou International Finance Center China

7000 Series - Job Sheet 01/13 Edition



One of the three systems was designed with an articulated cherry-picker extension to provide personnel access to the helipad on the roof of the skyscraper, as well as conventional façade access.

A soft rope restraint system was installed on each BMU so that the cradles can descend over the curved exterior whilst maintaining stability and security of the cradle and its operators.

#### **Facts & Figures**

| Commencement    | 2008                         |
|-----------------|------------------------------|
| Completion      | 2010                         |
| Building height | 440m                         |
| Floor count     | 103                          |
| No. of BMUs     | 3                            |
| Outreach        | 20.3                         |
| Building type   | Office<br>& Hotel<br>Complex |

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## Technical Data - Guangzhou International Finance Center, China

| BMU type                | Telescopic Jib with<br>Material Hoist  | Telescopic Jib with<br>Cherry Picker                |
|-------------------------|--|---|
| Service area            | G/F to 103/F                           | G/F to 103/F<br>and the perimeter<br>of the helipad |
| Jib type                | 3-stage telescopic                     | 3-stage telescopic                                  |
| Outreach                | 20.3m                                  | 20.3m   |
| Jib retracted length    | 6m                                     | 6m  |
| Cross bar slew angle    | +/- 90 deg                             | +/- 90 deg  |
| BMU slew angle          | +/- 360 deg                            | +/- 360 deg   |
| Drum hoist type         | 16-layer hoist                         | 16-layer hoist                                      |
| Actual hoist height     | 432m                                   | 432m  |
| Cradle SWL              | 230kg                                  | 230kg   |
| Cradle length           | 4.5m                                   | 4.5m  |
| Cradle restraint system | Soft Rope                              | Soft Rope   |
| Track system            | Twin track                             | Twin track  |
| Track gauge             | 3.8m                                   | 3.8m  |
| Communication           | Intercom                               | Intercom  |
| Features                | Glass handling hoist of 700kg capacity | An articulated cherry picker extension              |

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