# Tower Palace Three, Tower G

## Identification

<table>
<thead>
<tr>
<th><strong>EBN</strong></th>
<th>101854</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Name</strong></td>
<td>Tower Palace Three, Tower G</td>
</tr>
<tr>
<td><strong>Construction Type</strong></td>
<td>skyscraper</td>
</tr>
<tr>
<td><strong>Complex Type</strong></td>
<td>residential complex</td>
</tr>
<tr>
<td><strong>Complex Name</strong></td>
<td>Samsung Tower Palace</td>
</tr>
<tr>
<td><strong>Current Status</strong></td>
<td>existing [completed]</td>
</tr>
</tbody>
</table>

## Location

<table>
<thead>
<tr>
<th><strong>Continent Name</strong></th>
<th>Asia</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Country Name</strong></td>
<td>South Korea</td>
</tr>
<tr>
<td><strong>State Name</strong></td>
<td>Seoul Metropolitan City</td>
</tr>
<tr>
<td><strong>Metro Area Name</strong></td>
<td>Seoul Metro Area</td>
</tr>
<tr>
<td><strong>District (1st level)</strong></td>
<td>Gangnam-gu</td>
</tr>
<tr>
<td><strong>Address (as text)</strong></td>
<td>467 Dogok-dong</td>
</tr>
<tr>
<td><strong>Latitude</strong></td>
<td>Contact us</td>
</tr>
<tr>
<td><strong>Longitude</strong></td>
<td>Contact us</td>
</tr>
</tbody>
</table>
# Tower Palace Three, Tower G

## City Name
Seoul

### Map
![Map of Seoul](https://via.placeholder.com/150)

### Description

<table>
<thead>
<tr>
<th>Structural Material</th>
<th>composite structure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architectural style</td>
<td>modernism</td>
</tr>
<tr>
<td>Facade System</td>
<td>curtain wall</td>
</tr>
<tr>
<td>Main Usage</td>
<td>residential</td>
</tr>
<tr>
<td>Facade Color</td>
<td>light gray</td>
</tr>
</tbody>
</table>

### Spatial dimensions

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height (structural)</td>
<td>865.08 ft</td>
</tr>
<tr>
<td>Floors (underground)</td>
<td>6</td>
</tr>
<tr>
<td>Height (tip)</td>
<td>865.08 ft</td>
</tr>
<tr>
<td>Floors (overground)</td>
<td>73</td>
</tr>
<tr>
<td>Height (top floor)</td>
<td>820.26 ft</td>
</tr>
<tr>
<td>Units</td>
<td>Contact us</td>
</tr>
<tr>
<td>Height (roof)</td>
<td>861.14 ft</td>
</tr>
<tr>
<td>Gross Floor Area (GFA)</td>
<td>Contact us</td>
</tr>
<tr>
<td>Height (main roof)</td>
<td>859.61 ft</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Contact Information</th>
<th>Location</th>
<th>Time Zone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phone</td>
<td></td>
<td>09:00 am - 07:00 pm</td>
</tr>
<tr>
<td>Phone</td>
<td></td>
<td>03:00 am - 01:00 pm</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:sales@emporis.com">sales@emporis.com</a></td>
<td>04:00 pm - 02:00 am</td>
</tr>
</tbody>
</table>

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Years and costs

<table>
<thead>
<tr>
<th>Year (construction start)</th>
<th>Year (construction end)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2001</td>
<td>2004</td>
</tr>
</tbody>
</table>

Facts

- The owner has allowed engineers to use the structure for research comparing long term elasticity, creep, and shrinkage of the concrete walls versus the concrete columns. So far the comparison between projected and actual behavior has been favorable.
- Designed by Adrian D. Smith, FAIA, RIBA Design Partner at Skidmore Owings & Merrill LLP.
- The tower's aerodynamic design was so efficient that its stability in high wind exceeds international standards and no additional damping devices were needed.
- Tower G is South Korea's tallest building.
- This was the world's tallest all-residential tower in the world for a brief period during its construction, surpassing the previous record-holder Trump World Tower in New York City. 21st Century Tower in Dubai was topped out later but finished sooner, claiming the new record by 5 meters.
- The foundation mat was built using innovative self-compacting self-consolidating concrete. This reduced casting time from 48 to 12 hours.
- The structural system is a megaframe consisting of a concrete core bound to concrete perimeter columns through an exterior belt wall.
- The building's shape is formed by three oval lobes joined together, and was designed aerodynamically to tame the effects of wind pressure and building sway.

Involved companies

**Architect**

Skidmore, Owings & Merrill LLP

224 South Michigan Avenue, Suite 1000
60604 Chicago
U.S.A.

Phone +1 312 554 9090
Fax +1 312 360 4545
Email somchicago@som.com

**Associate Architect**

Samoo Architects & Engineers

Green Building, 79-2 Garak-dong, Songpa-gu
138-711 Seoul
South Korea

Phone 3400 3114
Fax 3400 3900
Email webmaster@samoo.co.kr

**Facade Maintenance System Supplier**

MANNTECH Building Maintenance Systems

Mannesmann Straße 5
82291 Munich

Phone +49 8145 999 0
Fax +49 8145 999 217

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Phone +49 40 6094 6494 0 Hamburg 09:00 am - 07:00 pm
Phone +1 250 483 7089 New York 03:00 am - 01:00 pm
Email sales@emporis.com Tokyo 04:00 pm - 02:00 am
Germany

*Structural Engineering* ........................................................................................................................................

**Skidmore, Owings & Merrill LLP**
224 South Michigan Avenue, Suite 1000
60604 Chicago
U.S.A.

Phone  +1 312 554 9090
Fax    +1 312 360 4545
Email  somchicago@som.com

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**Additional company data available for this building**

<table>
<thead>
<tr>
<th>Developer</th>
<th>Contact us</th>
<th>Lighting Consultant</th>
<th>Contact us</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formwork Supplier</td>
<td>Contact us</td>
<td>Owner</td>
<td>Contact us</td>
</tr>
<tr>
<td>General Contractor</td>
<td>Contact us</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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New York       03:00 am - 01:00 pm
Tokyo          04:00 pm - 02:00 am
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- Generate customized lists of construction projects and involved companies

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- Forecast trends and future market growth
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03:00 am - 01:00 pm
04:00 pm - 02:00 am