



Changsha: International Finance Square.

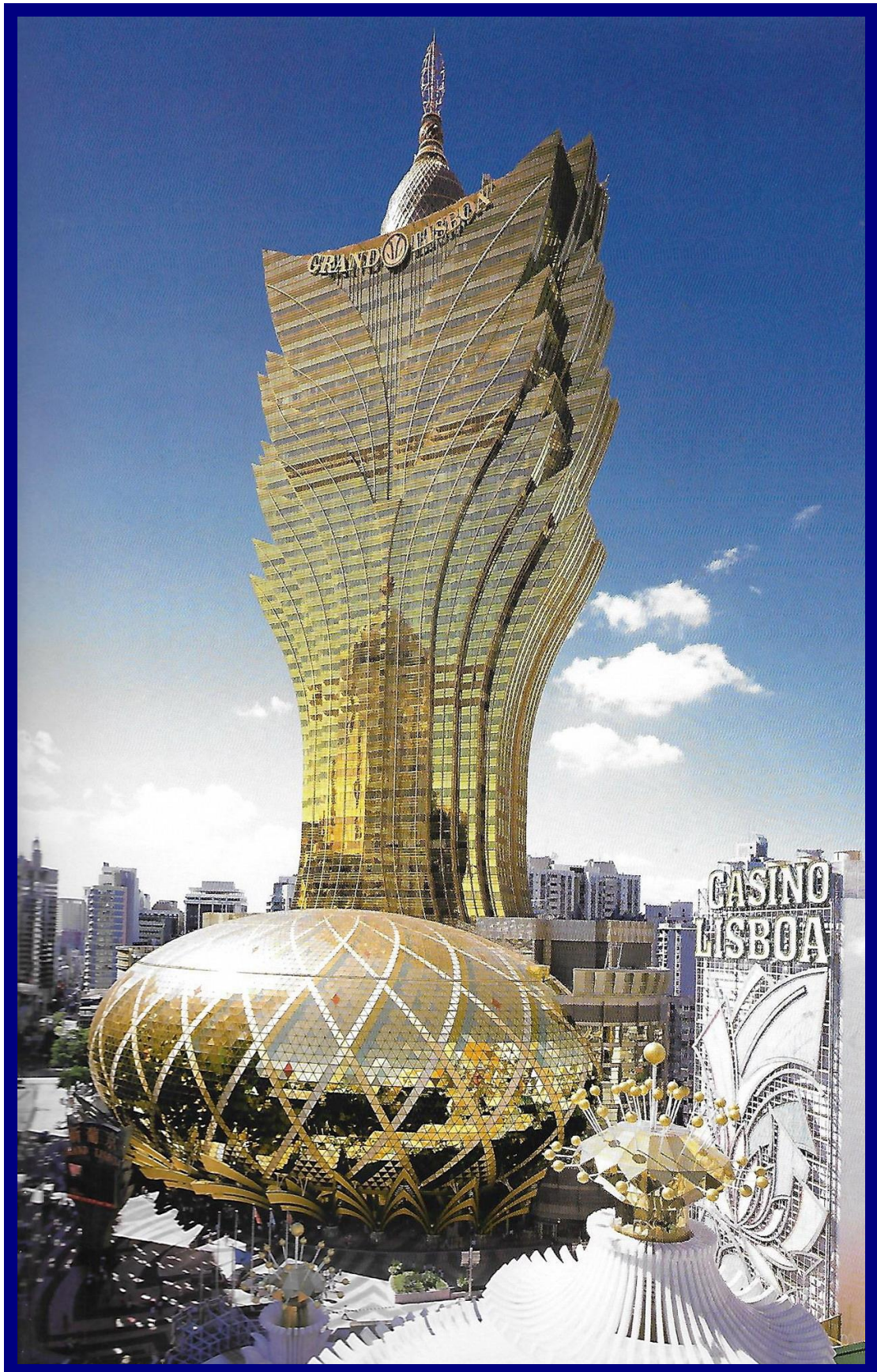
THE CHINA REVOLUTION: TALL BUILDINGS

2008-2020

BRIAN ROBERTS

<2>

MACAU GRAND LISBOA 2008



Hotel & Casino, 48 floors, 846 ft. MEP engineer Parsons Brinckerhoff, 36 elevators.

TALL BUILDINGS IN CHINA



Tall Buildings in Guangzhou with Canton Tower at 1970 ft (extreme left).

For over forty years, the Heritage Group has visited, photographed and recorded details of buildings in the UK, many from the Victorian or Edwardian era and up to the 1970s. These include a number of the first air-conditioned office buildings which were limited to 400 ft high. Group members have also looked at skyscrapers in Europe, United States and Asia, some of which are featured in Heritage Group booklets and on our website. During the 1970s, the writer visited the then world's tallest buildings in New York and Chicago and worked in Hong Kong (then a Crown Colony). But the last twenty years has seen a revolution in the number of tall buildings constructed in China, which now has the largest number of tall buildings in the world with (at 2017) more than 1400 above 492 ft and 48 above 984 ft. Hong Kong alone has 480 above 492 ft. It is hoped the information in this booklet will be of interest to present and future Heritage Group members.

CONTENTS

Buildings by location and then in order of construction

**Beijing: 24,36,41, Changsha: 11, Changzhou: 30, Chengdu: 16,37,
Chongqing: 23,26,29, Dalian: 20,32, Guangzhou: 10,11,12,17,33,
Hong Kong: 8,15, Macau: 2, Nanjing: 13,22, Nanning: 39,40, Quindao: 14,25,
Shanghai: 6,7,27,42,43, Shenzhen: 9,28, Tianjin: 35,38, Wuhan: 34, Xiamen: 18,19,21**

Recent reports are that the Chinese Government is planning to ban the building of new skyscrapers taller than 1640 ft (500 m) which may explain why some planned buildings have been reduced in height. A Government directive also proposes that buildings "embody the spirit" of their surroundings and "highlight Chinese characteristics." It also calls for an end to "oversize, xenocentric, weird" buildings (examples of which are shown in the referenced literature).

**The list of Tallest Buildings in China and elsewhere in the World is constantly changing.
BMR, Budleigh Salterton 2021.**

TALLEST BUILDINGS IN CHINA

1. SHANGHAI TOWER, Shanghai, 128 floors, 2073 ft, 2015.
2. PING AN FINANCE CENTRE, Shenzhen, 115 floors, 1966 ft, 2017.
3. GUANGZHOU CTF FINANCE CENTRE, Guangzhou, 111 floors, 1740 ft, 2016.
4. TIANJIN CTF FINANCE CENTRE, Tianjin, 97 floors, 1740 ft, 2019.
5. CHINA ZUN, Beijing, 109 floors, 1730 ft, 109 floors, 1732 ft, 2018.
6. SHANGHAI WORLD FINANCIAL CENTRE, Shanghai, 101 floors, 1614 ft, 2008.
7. INTERNATIONAL COMMERCE CENTRE, Hong Kong, 108 floors, 1588 ft, 2010.
8. WUHAN GREENLAND CENTRE, Wuhan, 97 floors, 1560 ft, 2022.
9. CHANGSHA IFS TOWER T1, Changsha, 95 floors, 1483 ft, 2018.
10. SUZHOU IFS, Suzhou, 92 Floors, 1480 ft, 2019.

TALLEST BUILDINGS IN THE WORLD

1. BURJ KHALIFA, Dubai, 193 floors, 2717 ft, 2010.
2. SHANGHAI TOWER, Shanghai, 128 floors, 2073 ft, 2015.
3. ABRA AL-BAIT CLOCK TOWER, Mecca, 120 floors, 1971 ft, 2012.
4. PING AN FINANCE CENTRE, Shenzhen, 115 floors, 1966 ft, 2017.
5. LOTTE WORLD TOWER, Seoul, 123 floors, 1819 ft, 2016.
6. ONE WORLD TRADE CENTRE, New York City, 94 floors, 1776 ft, 2016.
7. GUANGZHOU CTF FINANCE CENTRE, Guangzhou, 111 floors 1740 ft, 2016.
8. TIANJIN CTF FINANCE CENTRE, Tianjin, 96 floors, 1739 ft, 2019.
9. CHINA ZUN, Beijing, 108 floors, 1732 ft, 2018.
10. TAIPEI 101, Taipei, 101 floors, 1667 ft, 2004.

TALLEST BUILDINGS IN EUROPE

1. LAKHTA CENTRE, Saint Petersburg, Russia, 1517 ft, 87 floors, 2019.
2. FEDERATION: EAST TOWER, Moscow, Russia, 1226 ft, 95 floors, 2016.
3. OKO: SOUTH TOWER, Moscow, Russia, 1162 ft, 85 floors, 2015,
4. NEVA TOWER 2, Moscow Russia, 1132 ft, 79 floors, 2019.
5. MERCURY CITY TOWER, Moscow, Russia, 1112 ft, 75 floors, 2013,
6. VARSO TOWER, Warsaw, Poland, 1017 ft, 53 floors, 2021.
7. THE SHARD, London, United Kingdom, 1016 ft, 72 floors, 2012.

CITIES IN CHINA BY POPULATION

HONG KONG (7.6 million) **MACAU** (0.7 million) are Special Administrative Areas

Rank	City	Province	Latest Estimate ^[4]	2010 Census ^[5]
1	Shanghai ^{#~}	—	26,917,322	20,217,748
2	Beijing ^{⊙#}	—	20,381,745	16,704,306
3	Chongqing [#]	—	15,773,658	6,263,790
4	Tianjin ^{#~}	—	13,552,359	9,583,277
5	Guangzhou ^{##~}	Guangdong	13,238,590	10,641,408
6	Shenzhen [†]	Guangdong	12,313,714	10,358,381
7	Chengdu ^{##}	Sichuan	9,104,865	7,791,692
8	Nanjing [*]	Jiangsu	8,789,855	5,827,888
9	Wuhan ^{##}	Hubei	8,346,205	7,541,527
10	Xi'an ^{##}	Shaanxi	7,948,032	5,403,052
11	Hangzhou [*]	Zhejiang	7,603,271	5,849,537
12	Dongguan	Guangdong	7,402,305	7,271,322
13	Foshan	Guangdong	7,313,711	6,771,895
14	Shenyang [*]	Liaoning	7,191,333	5,718,232
15	Harbin [*]	Heilongjiang	6,360,991	4,596,313
16	Qingdao [~]	Shandong	5,597,028	4,556,077
17	Dalian [~]	Liaoning	5,587,814	3,902,467
18	Jinan [*]	Shandong	5,330,573	3,641,562
19	Zhengzhou ^{##}	Henan	5,286,549	3,677,032
20	Changsha [*]	Hunan	4,555,788	3,193,354
21	Kunming [*]	Yunnan	4,422,686	3,385,363
22	Changchun [*]	Jilin	4,408,154	3,411,209
23	Ürümqi [*]	Xinjiang	4,335,017	2,853,398
24	Shantou [†]	Guangdong	4,312,192	3,644,017
25	Hefei [*]	Anhui	4,216,940	3,098,727
26	Shijiazhuang [*]	Hebei	4,098,243	3,095,219
27	Ningbo [~]	Zhejiang	4,087,523	2,583,073
28	Taiyuan [*]	Shanxi	3,875,053	3,154,157
29	Nanning [*]	Guangxi	3,837,978	2,660,833
30	Xiamen [†]	Fujian	3,707,090	3,119,110

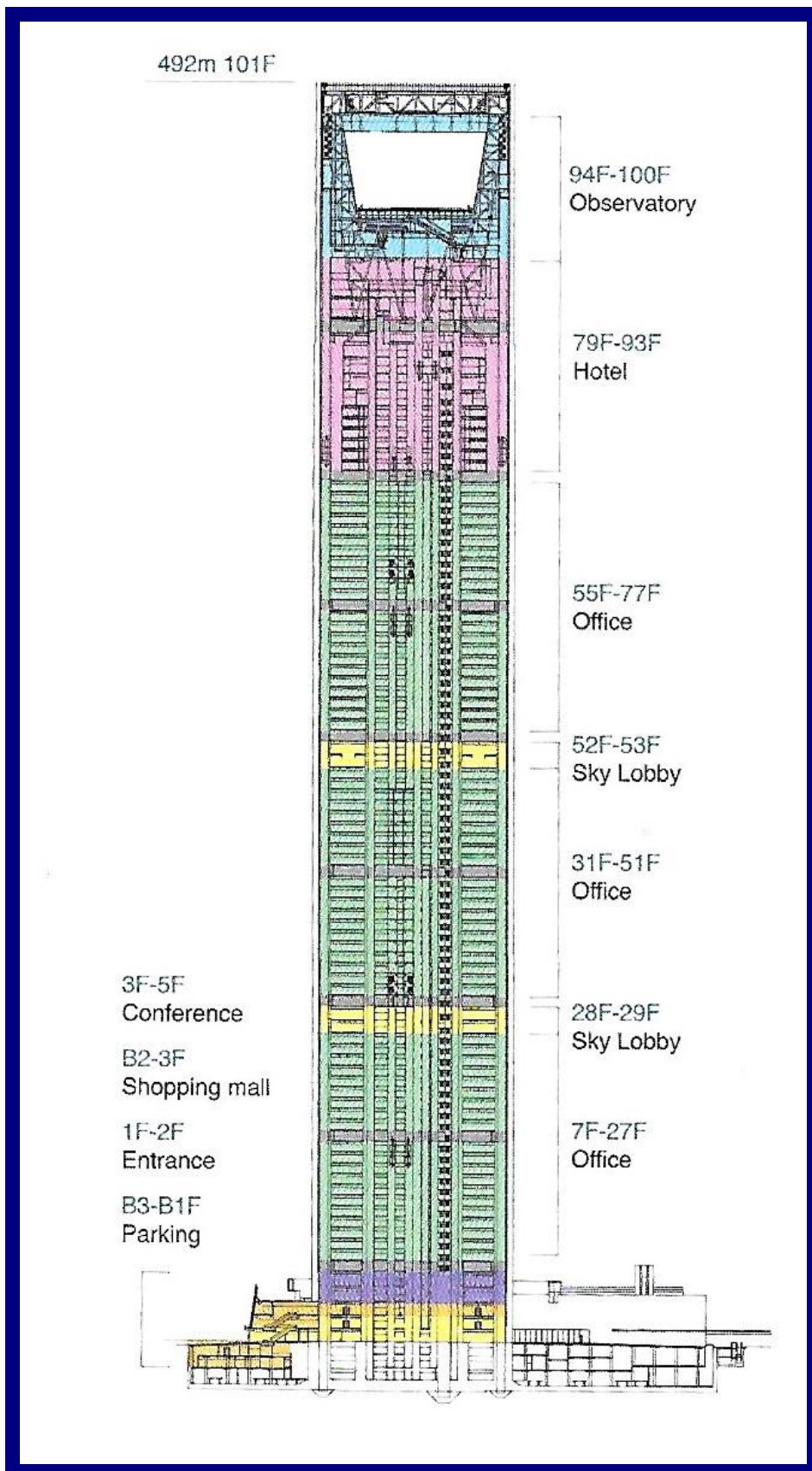
<6>

SHANGHAI WORLD FINANCIAL CENTRE 2008



Office & Hotel, 101 floors, 1614 ft.

SHANGHAI WORLD FINANCIAL CENTRE 2008



A Mixed-Use Building with Observatory and Fire Refuge floors.

<8>

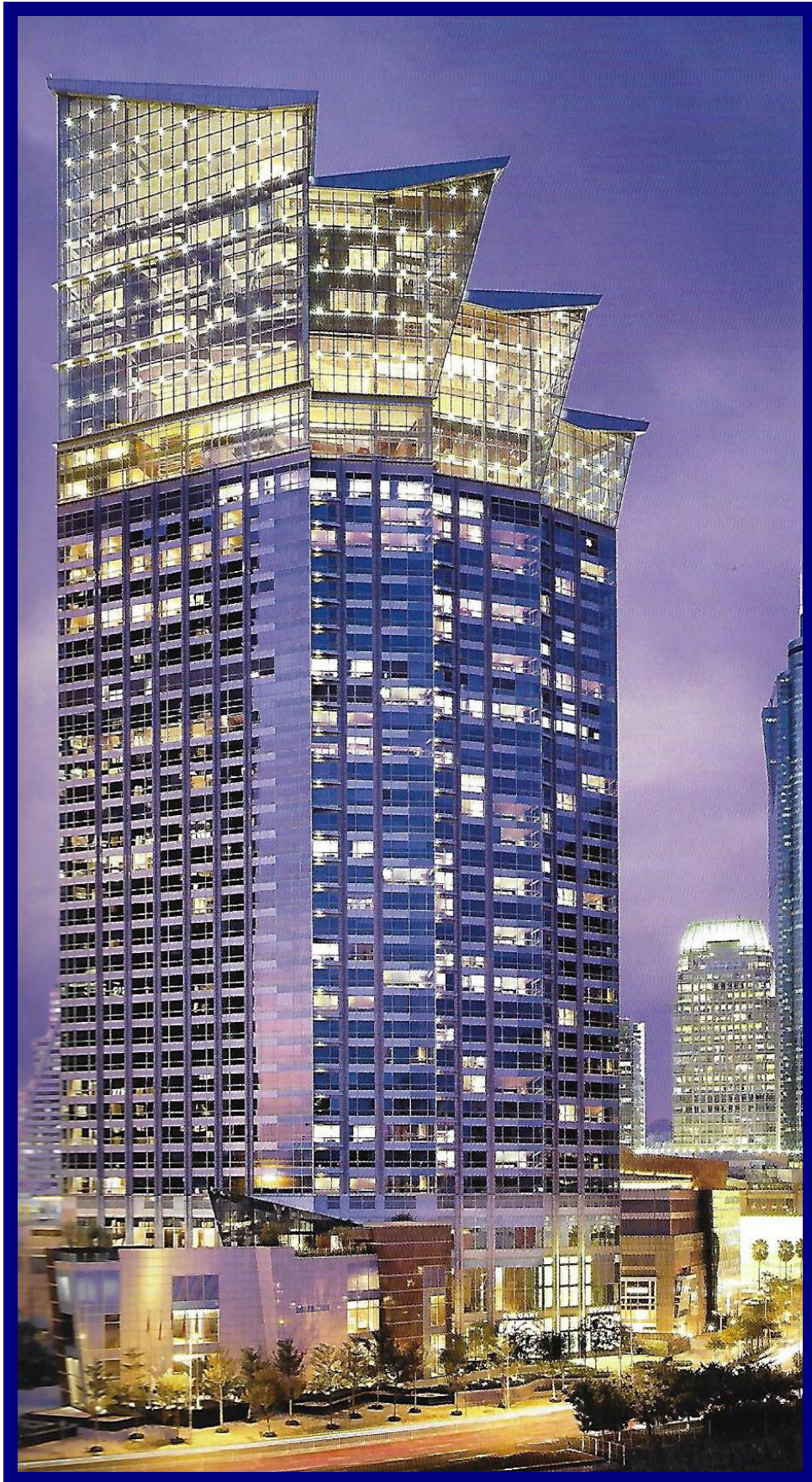
HONG KONG THE MASTERPIECE 2009



A 21-storey Hotel, 40 levels of Apartments, 64 floors, 853 ft.

<9>

SHENZHEN GRAND HYATT 2009



Hotel, 62 floors, 633 ft. MEP engineer Parsons Brinckerhoff.

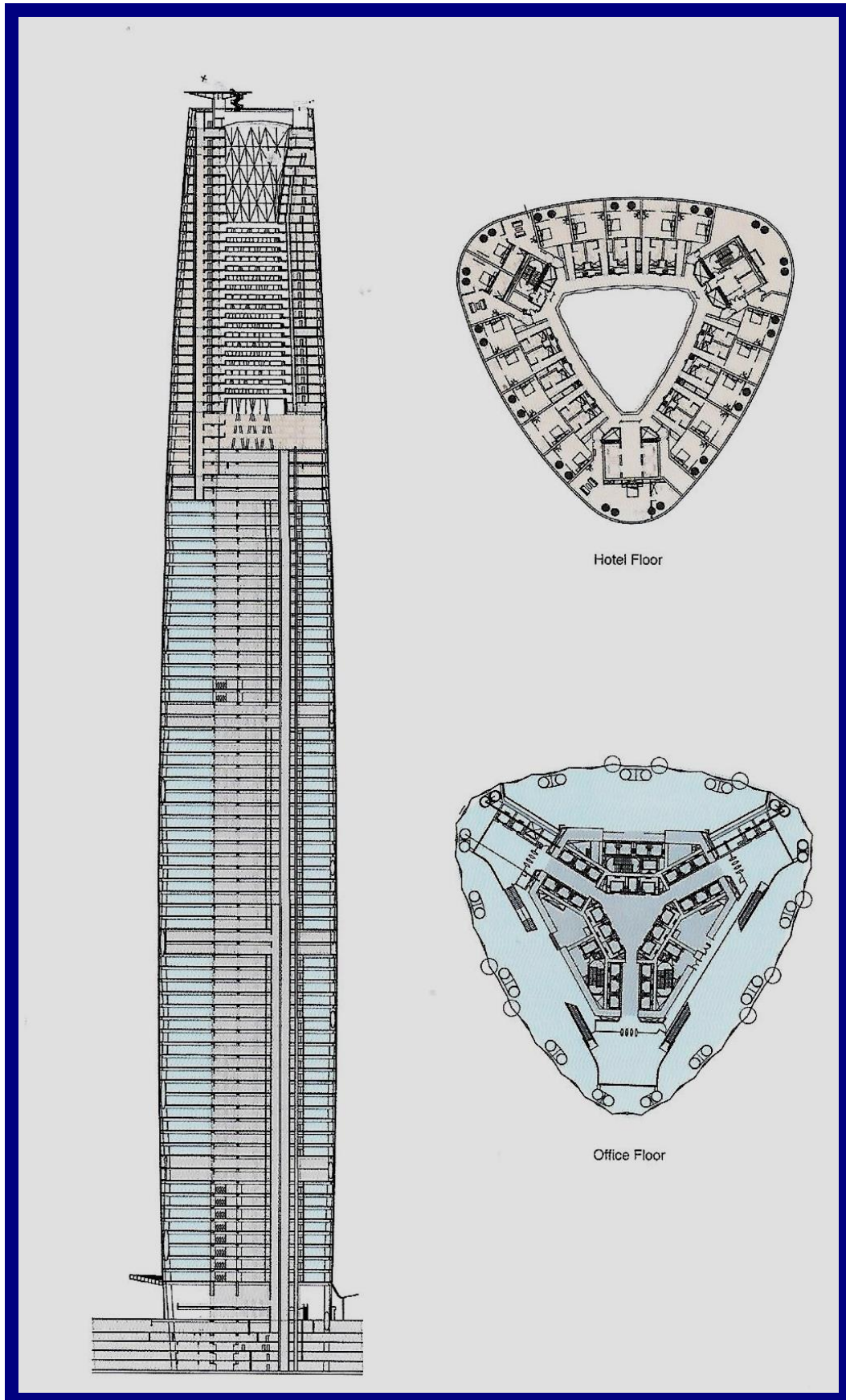
<10>

GUANGZHOU INTERNATIONAL FINANCE CENTRE 2010



Offices & Hotel, 103 floors, 1445 ft. MEP engineer Arup.

GUANGZHOU INTERNATIONAL FINANCE CENTRE 2010



Triangular-shaped building.

<12>

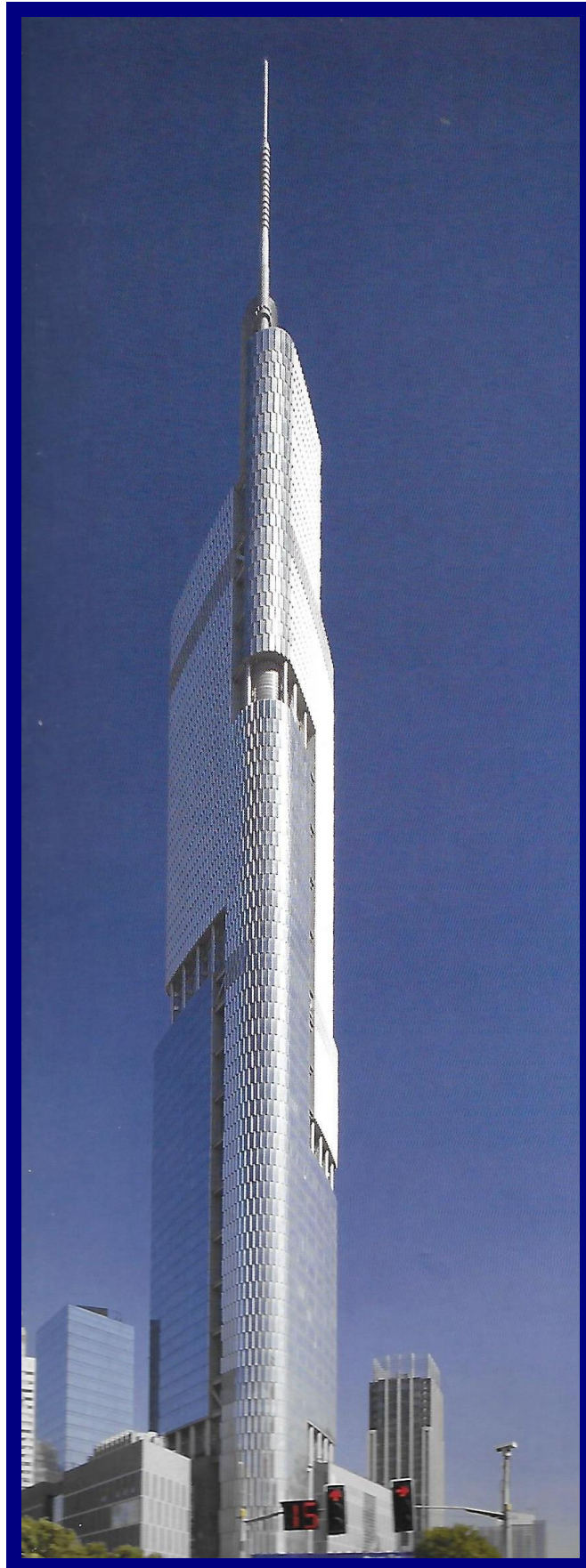
GUANGZHOU CANTON TOWER 2010



Telecommunications tower, 37 occupied floors, 1970 ft. MEP engineer Arup.
(Tallest freestanding structure in world at time when built).

<13>

NANJING ZIFENG TOWER: GREENLAND CENTRE 2010



Offices & Hotel, 66 floors, 1476 ft, MEP engineer SOM, 54 elevators.

<14>

**QINGDAO
FARGLORY INTERNATIONAL PLAZA 2011**



Offices, 42 floors, 732 ft, 21 elevators.

<15>

HONG KONG HYSAN PLACE 2012



Office & Retail, 36 floors, 669 ft. MEP engineer Parsons Brinckerhoff.

<16>

CHENGDU MINYOUN FINANCIAL PLAZA 2012



Offices & Hotel, 47 floors, 676 ft, 21 elevators.

<17>

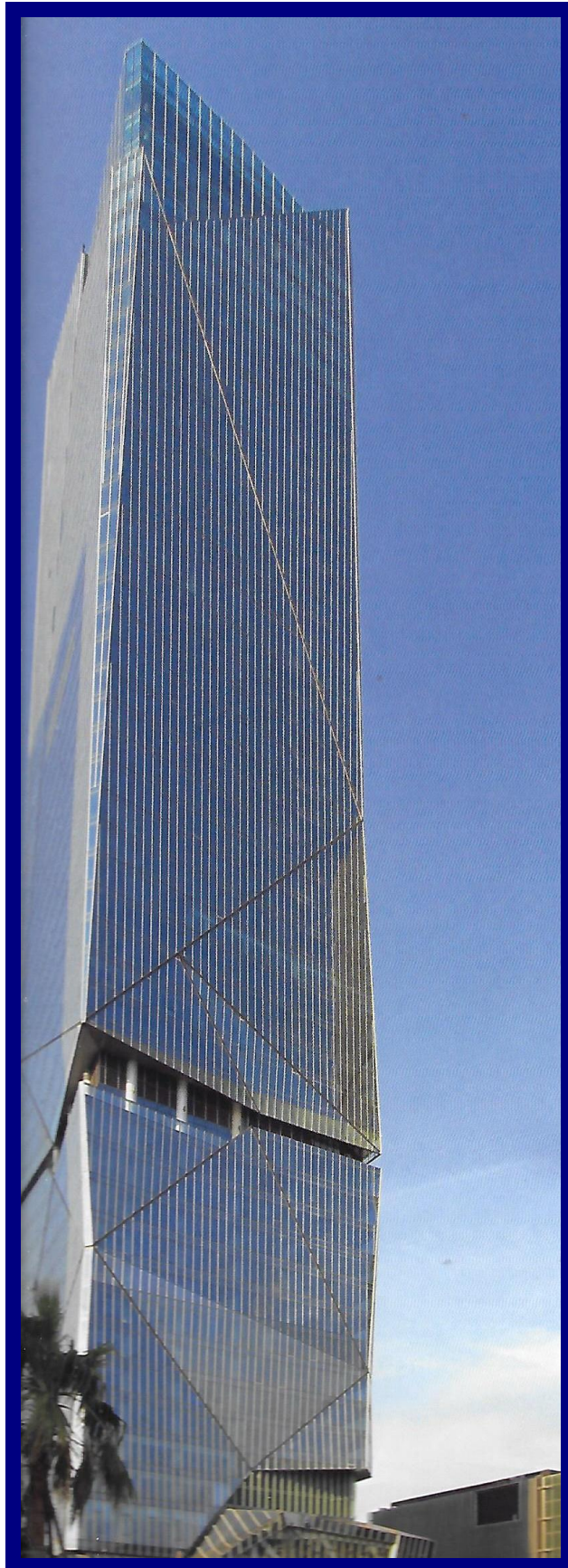
GUANGHOU TAIKOO HUI 2011



Office Tower, 40 floors, 695 ft. M&E engineer Meinhardt.

<18>

XIAMEN FINANCIAL CENTRE 2013



Offices, 49 floors, 698 ft, 18 elevators.

<19>

XIAMEN C&D INTERNATIONAL TOWER 2013



Offices, 49 floors, 720 ft, 16 elevators.

<20>

DALIAN GRAND HYATT 2014



Hotel, 44 floors, 641 ft. MEP engineer Meinhardt, 21 elevators.
Building plan is triangular to maximise sunlight and views.

<21>

XIAMEN ETON CENTRE 2014



Residential tower, 47 floors, 689 ft. MEP engineer J. Roger Preston, 12 elevators.

<22>

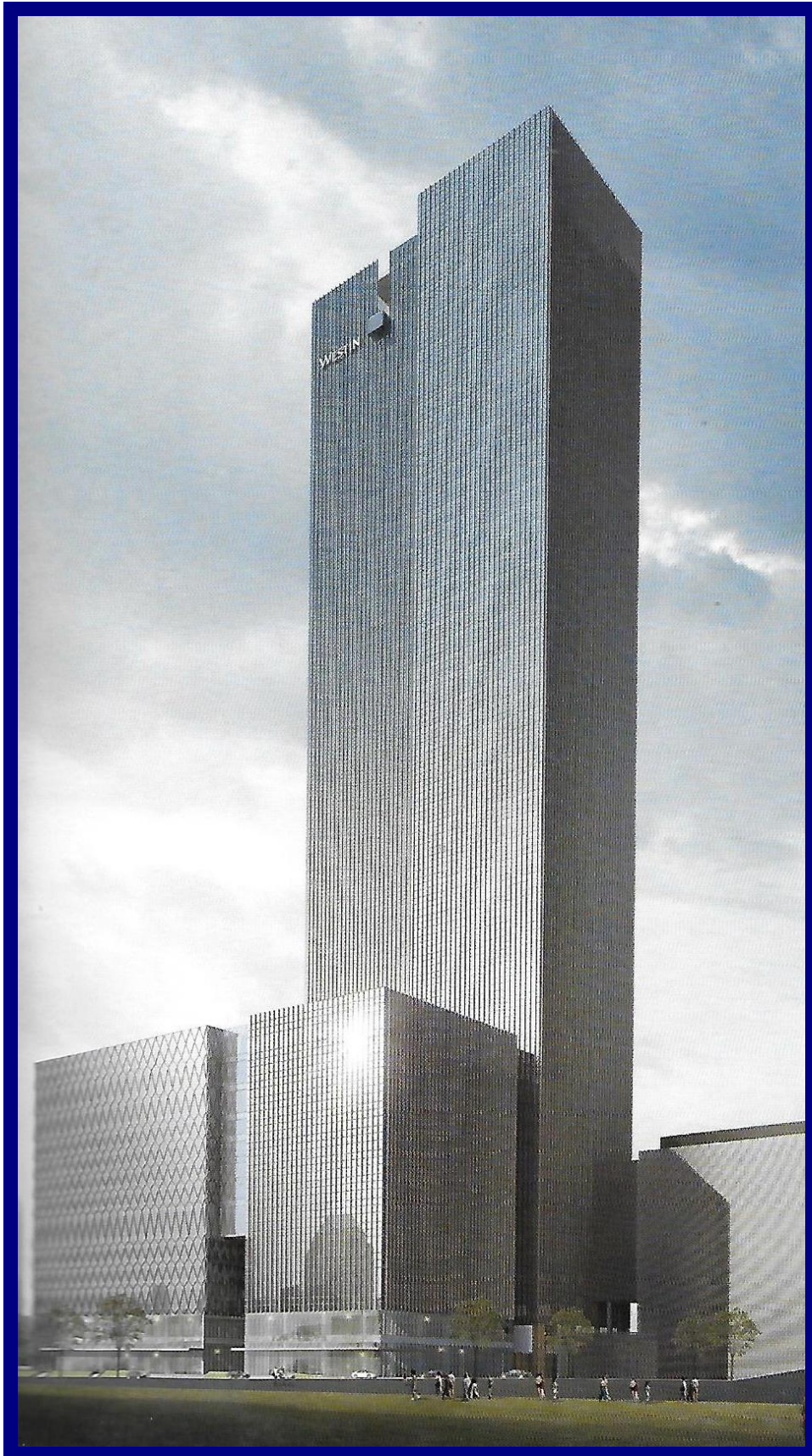
NANJING KINGTOWN INTERNATIONAL TOWER 2014



Hotel (Fairmont), 56 floors, 761 ft. MEP engineer WSP. 20 elevators.

<23>

CHONGQING THE WESTIN LIBERATION SQUARE 2014



Hotel tower, 54 floors, 804 ft, 60 elevators in 3 buildings.

<24>

BEIJING FORTUNE FINANCIAL CENTRE 2014



Offices, 60 floors, 876 ft. MEP engineer PBA. 40 elevators.

<25>

QUINDAO
Q.I 2015



Offices & Hotel-serviced Apartments, 64 floors, 794 ft. MEP engineer Parsons Brinckerhoff.

<26>

CHONGQING WORLD FINANCIAL CENTRE 2015



Offices, Hotel & Apartments, 66 floors, 972 ft. MEP engineer Arup, 29 elevators.

<27>

SHANGHAI SHANGHAI TOWER 2015



Offices, 128 floors, 2073 ft, transparent spiral form.
(Tallest building in China and second tallest in world when built).

<28>

SHENZHEN PING FINANCE CENTRE 2016



Offices, 115 floors, 1966 ft, 16 elevators.
(Second tallest in China, fourth tallest in world when built).

<29>

CHONGQING WORLD FINANCIAL CENTRE 2015



Offices & hotel (Westin), 53 floors, 837 ft.

<30>

CHANGZHOU RUNHUA GLOBAL CENTRE 2016



Offices & Hotel, 63 floors, 984 ft, 33 elevators.

CHANGSHA INTERNATIONAL FINANCE SQUARE 2017



Offices & Hotel, 95 floors, 1483 ft. MEP engineer Arup.

<32>

DALIAN ETON PLACE 2017



Offices & Hotel, 80 floors, 1257 ft. MEP engineer Parsons Brinckerhoff, 29 elevators.

<33>

GUANGZHOU CTF FINANCE CENTRE 2016



Offices, Hotel & Apartments, 111 floors, 1739 ft, MEP engineer Parsons Brinkerhoff.
Elevators 86 (Third tallest in China, seventh tallest in world when built).

<34>

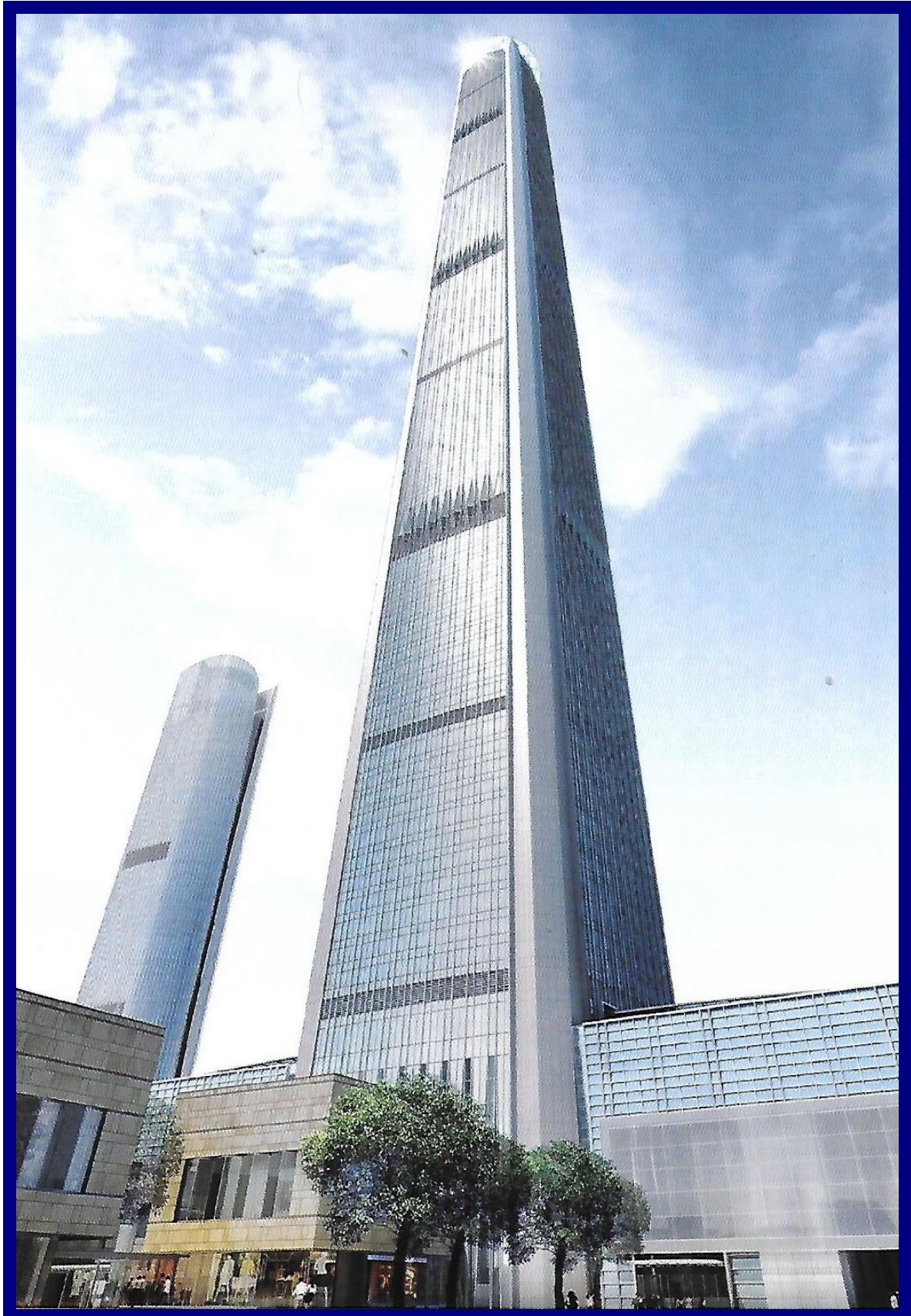
WUHAN GREENLAND CENTRE DESIGN 2017



Apartments & Hotel. Original design 125 floors, 2087 ft.
Completion target 2022, 97 floors, 1560 ft.

<35>

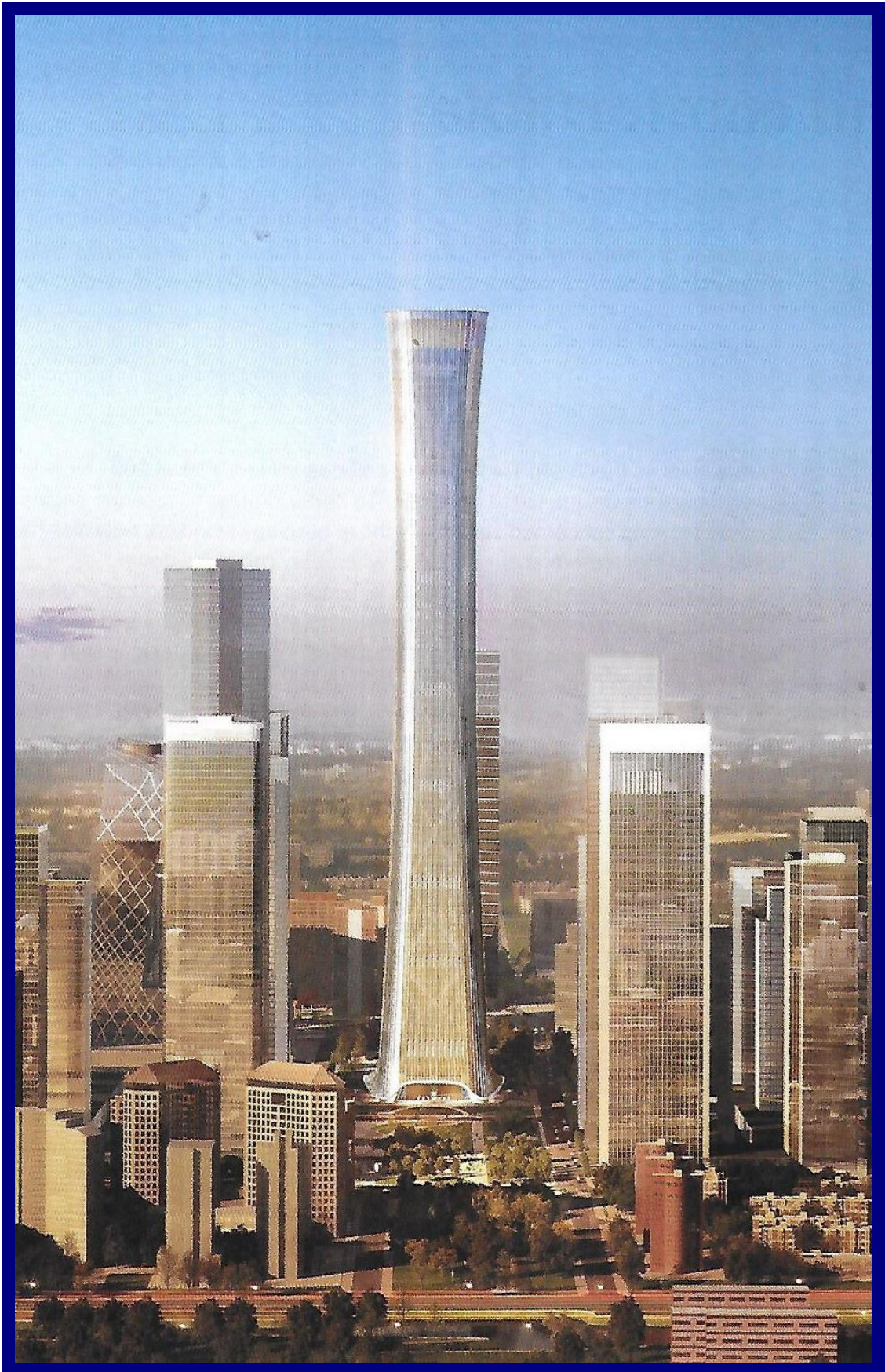
TIANJIN GOLDIN FINANCE TOWER 2018



Offices & Hotel, 117 floors, 1732 ft (Fourth tallest in China when built).

<36>

BEIJING CHINA ZUN 2018



Offices, 108 floors, 1730 ft (Fifth tallest in China when built).

<37>

CHENGDU
GREENLAND TOWER DESIGN 2018



Offices, Hotel & Apartments, designed 101 floors, 1535 ft.
Construction delayed but reported to have restarted.

<38>

**TIANJIN
R&F GUANGDONG DESIGN 2018**



Offices, Hotel (Grand Hyatt), Condominiums, 91 floors, 1535 ft, 55 elevators.
MEP engineers J. Roger Preston. Completion now scheduled 2023.

NANNING CHINA RESOURCES 2020



Offices & Hotel, 89 floors, 1321 ft. MEP engineer Parsons Brinckerhoff.

<40>

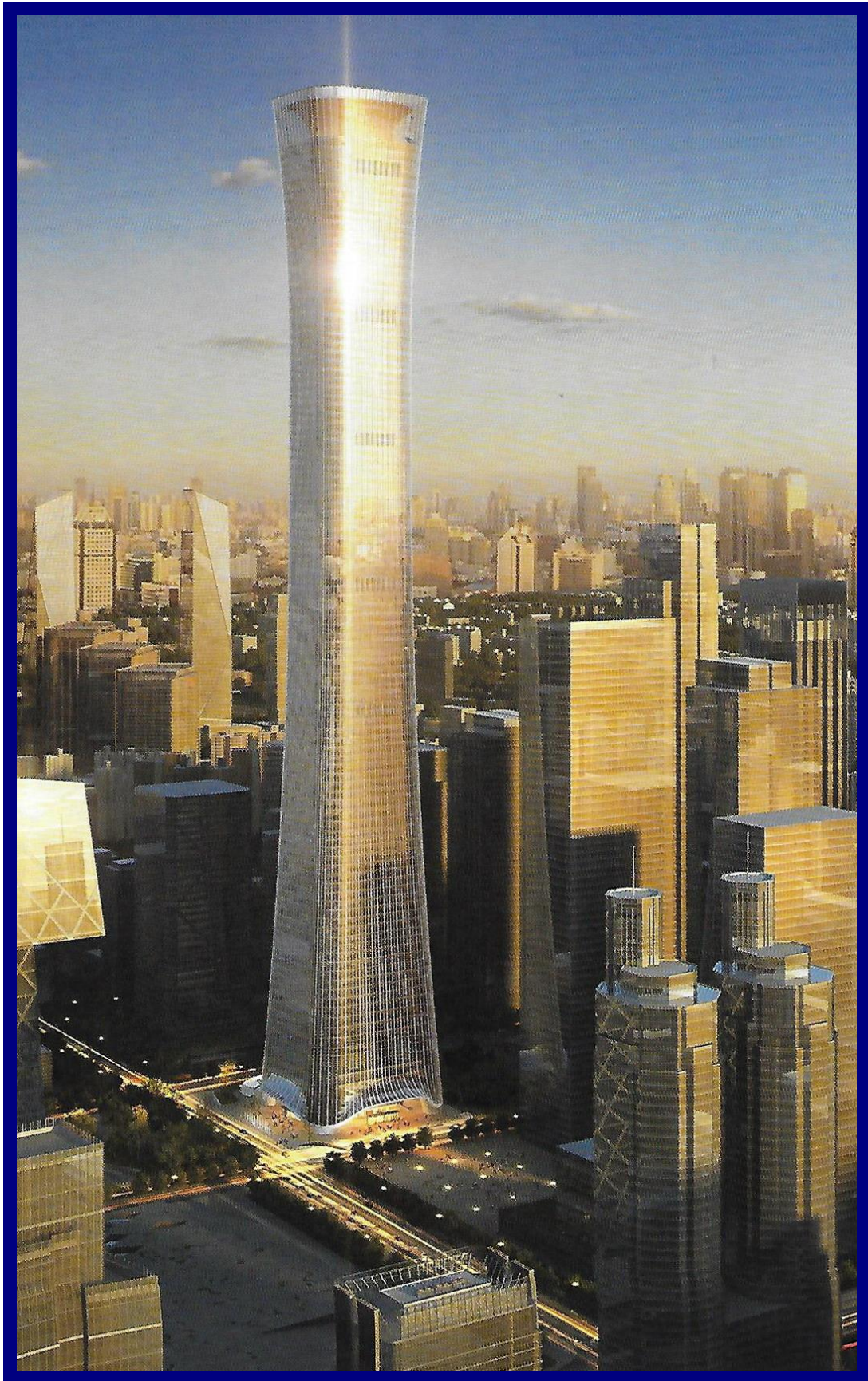
NANNING FINANCIAL INVESTMENT CENTRE 2019



Design: Offices & Hotel, 90 floors, 1342 ft, 57 elevators.
Now listed as 70 floors, 1082 ft with completion in 2023

<41>

BEIJING CHINA ZUN TOWER 2018



Offices, 109 floors, 1732 ft. MEP Parsons Brinckerhoff. (also on page 36).
(Fifth tallest building in China at completion).

<42>

SHANGHAI KK100 TOWER 2011 INTERIOR OF RETAIL PODIUM



<43>

SHANGHAI KK100 TOWER 2011 SKY LOBBY ATRIUM



CITIES OF CHINA



China has the third largest area of land in the World and largest population at 1.44 billion people.

REFERENCES AND FURTHER READING

- 2013 Skyscrapers (A History of the World's Most Extraordinary Buildings), Judith Dupre, Black Dog and Leventhal Publishing, New York City, New York, USA.
- 2015 Tall Buildings of China, Georges Binder (Ed), The Images Publishing Group Pty Ltd, Victoria, Australia.
- 2018 Arup's Tall Buildings in Asia (Stories Behind the Storeys), Goman Wai-Ming Ho *et al* (Eds), {Ove Arup & Partners Ltd Hong Kong Limited}, Routledge, London.
- 2020 Tall, Supertall and Megatall: Building Systems, Peter Simmonds, Design Guide, 2nd Edition, ASHRAE, Peachtree Corners, Atlanta, GA.

Other information from the Heritage Group Archives and websites.