

Skidmore, Owings & Merrill

INGENIØRKUNSTEN BAG ARKITEKTUREN

The Engineering
of Architecture

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Utzon Center / Aalborg, Denmark

SOM The Engineering of Architecture by Skidmore, Owings & Merrill LLP
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Skidmore, Owings & Merrill

**INGENIØRKUNSTEN
BAG ARKITEKTUREN**

**The Engineering
of Architecture**

Skidmore, Owings & Merrill

ET DESIGNKONCEPT I SAMARBEJDE

A Collaborative Design Practice

Skidmore, Owings & Merrill LLP (SOM) er et partnerskab, der stræber efter at skabe design, som er markante, sammenhængende og en smukt skabt syntese af programmatisk funktion, konstruktiv rationale og miljømæssig bæredygtighed. Firmaet stræber efter at skabe den mest betydningsfulde arkitektur i nyere tid.

SOM blev grundlagt i 1936 og er et tværfagligt samarbejde mellem arkitekter, ingeniører, indretningsarkitekter, byplanlæggere og andre designeksperter. Firmaet har kontorer i Chicago, New York, San Francisco, Los Angeles, Washington DC, London, Abu Dhabi, Hong Kong, Shanghai.

Skidmore, Owings & Merrill LLP (SOM) is a partnership whose design aspires to be distinctive, coherent and a beautifully crafted synthesis of programmatic function, structural rationale and environmental sustainability. The firm strives to create the most meaningful architecture of its time.

Founded in 1936, SOM is a multi-disciplinary design partnership comprised of architects, engineers, interior designers, urban planners and other design professionals. It has offices in Chicago, New York, San Francisco, Los Angeles, Washington DC, London, Abu Dhabi, Hong Kong, Shanghai.



Exchange House

London (UK)

Completed/Opført 1990

65 m

Building type: office building

Bygningstype: kontorbygning

Structural concept: tied arch

Konstruktionsprincip: forankret bue



Inland Steel Building

Chicago (USA)

Completed/Opført 1958

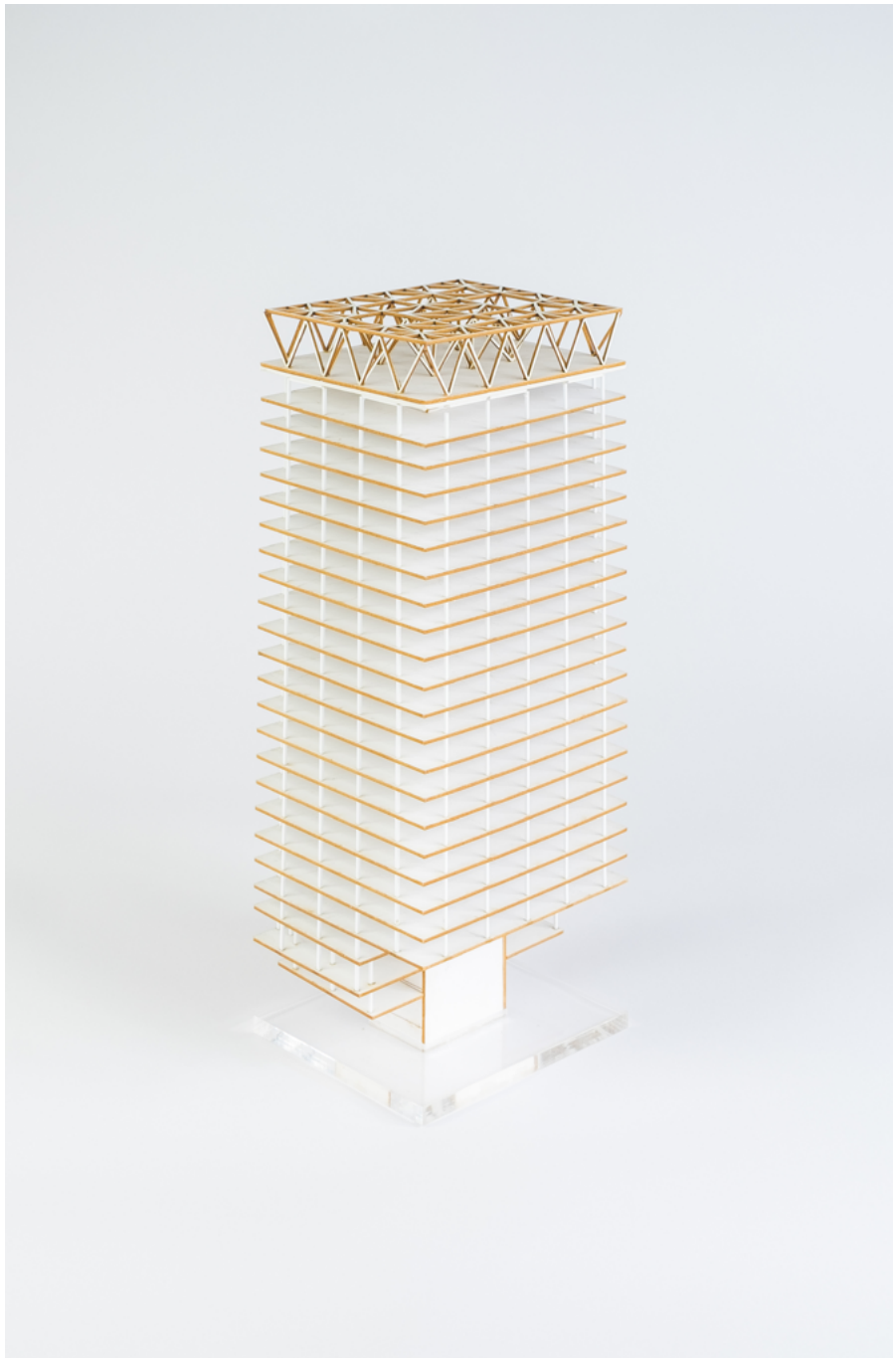
101 m

Building type: office tower

Bygningstype: kontortårn

*Structural concept: offset frame
and braced core*

*Konstruktionsprincip: forskudt
ramme og afstivet kerne*



111 Main Tower

Salt Lake City (USA)

Completion/Opført 2016

119 m

Building type: office tower

Bygningstype: kontortårn

*Structural concept: core with
suspended floors*

*Konstruktionsprincip: kerne med
ophængte etagedæk*



DeWitt Chestnut Apartments

Chicago (USA)

Completed/Opført 1965

120 m

Building type: residential tower

Bygningstype: beboelsestårn

Structural concept: framed tube

Konstruktionsprincip: indrammet rør



Manhattan Loft Gardens

London (UK)

Completion/færdigøres 2018

143 m

Building type: residential tower

Bygningstype: beboelsestårn

*Structural concept: core with
cantilever transfers*

*Konstruktionsprincip: kerne med
udkræget kraftoverførsel*



100 Mount Street

Sydney (AUS)

Designed/Designet 2012

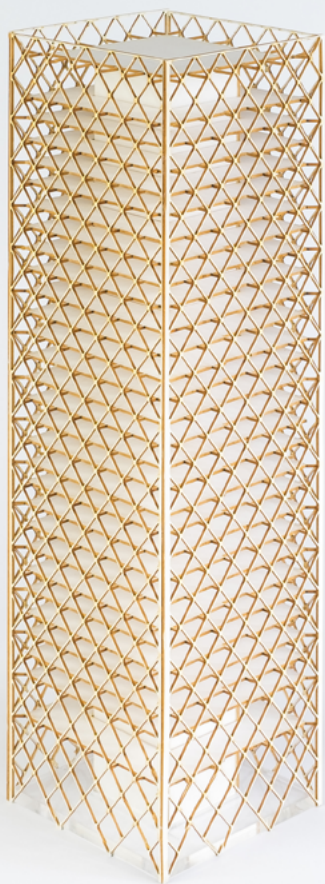
144 m

Building type: office tower

Bygningstype: kontortårn

*Structural concept: Michell truss
and core*

*Konstruktionsprincip: Michell
dragger og kerne*



Rural Commercial Bank HQ

Shenzhen (CN)

Completion/Opført 2016

150 m

Building type: office tower

Bygningstype: kontortårn

*Structural concept: diagrid with
corner columns*

*Konstruktionsprincip: diagonalt
gitter med hjørnesøjler*



Poly International Plaza

Beijing (CN)

Completion/Opført 2016

161 m

Building type: office tower

Bygningstype: kontortårn

*Structural concept: core and
diagrid*

*Konstruktionsprincip: kerne og
diagonalt gitter*



Takshing House Redevelopment

Hong Kong (CN)

Designed/Opført 2009

207 m

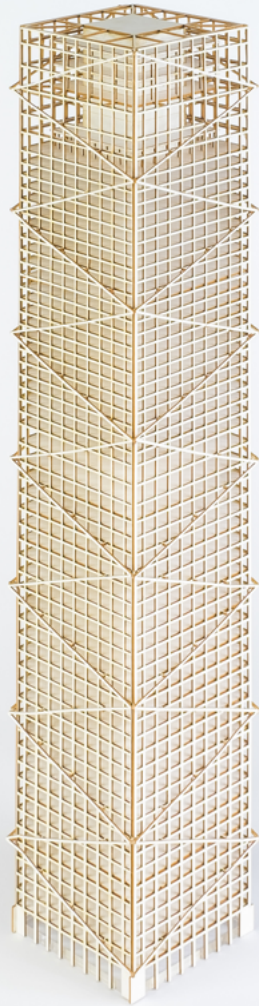
Building type: office tower

Bygningstype: kontortårn

Structural concept: core

with cantilever floors

*Konstruktionsprincip: kerne med
udkragede etagedæk*



Kingtown International Center

Nanjing (CN)

Completed/Opført 2013

232 m

Building type: office tower

Bygningstype: kontortårn

*Structural concept: offset braced
perimeter frame*

*Konstruktionsprincip: forskudt
afstivet yderliggende ramme*



Karlatornet

Gothenburg (S)

Completion/Færdiggøres 2020

240 m

Building type: mixed use

Bygningstype: blandede funktioner

*Structural concept: core and
outrigger*

*Konstruktionsprincip: kerne og
outrigger*



Tower Palace III

Seoul (ROK)

Completed/Opført 2004

264 m

Building type: residential tower

Bygningstype: beboelsestårn

*Structural concept: bundled core +
virtual outrigger*

*Konstruktionsprincip: samlede
kerner + virtuel outrigger*



Cayan Tower

Dubai (UAE)

Completed/Opført 2016

307 m

Building type: residential tower

Bygningstype: beboelsestårn

Structural concept: stepped

rotated tube

Konstruktionsprincip: trappeseret

roteret rør



CITIC Financial Centre

Shenzhen (CN)

Completion/Opføres 2018

312 m

Building type: mixed-use tower

Bygningstype: blandede funktioner

Structural concept: stretched

Michell truss

Konstruktionsprincip: strukket

Michell drager



Guiyang World Trade Center

Guiyang (CN)

Completion/Opføres 2018

380 m

Building type: mixed-use tower

Bygningstype: blandede funktioner

Structural concept: tube-in-tube

Konstruktionsprincip: rør-i-rør



Kunming - Eye Of Spring

Kunming (CN)

Completion/Opføres 2020

400 m

Building type: mixed-use tower

Bygningstype: blandede funktioner

Structural concept: modified

Michell truss

Konstruktionsprincip: modificeret

Michell drager



John Hancock Center

Chicago (USA)

Completed/Opført 1967

457 m

Building type: mixed-use tower

Bygningstype: blandede funktioner

Structural concept: braced tube

Konstruktionsprincip: afstivet rør



Nanning Wuxiang ASEAN Tower

Nanning (CN)

Completion/Opføres 2019

501 m

Building type: mixed-use tower

Bygningstype: blandede funktioner

*Structural concept: core and
outrigger with transfer arches*

*Konstruktionsprincip: kerne og
outrigger*

Table with multiple columns of text, likely a list of names or identifiers, arranged in a grid-like structure. The text is dense and appears to be a list of entries, possibly names or IDs, organized in a structured format. The table is oriented vertically and contains many rows and columns of text.

Willis Tower (formerly Sears Tower)

Chicago (USA)

Completed/Opført 1974

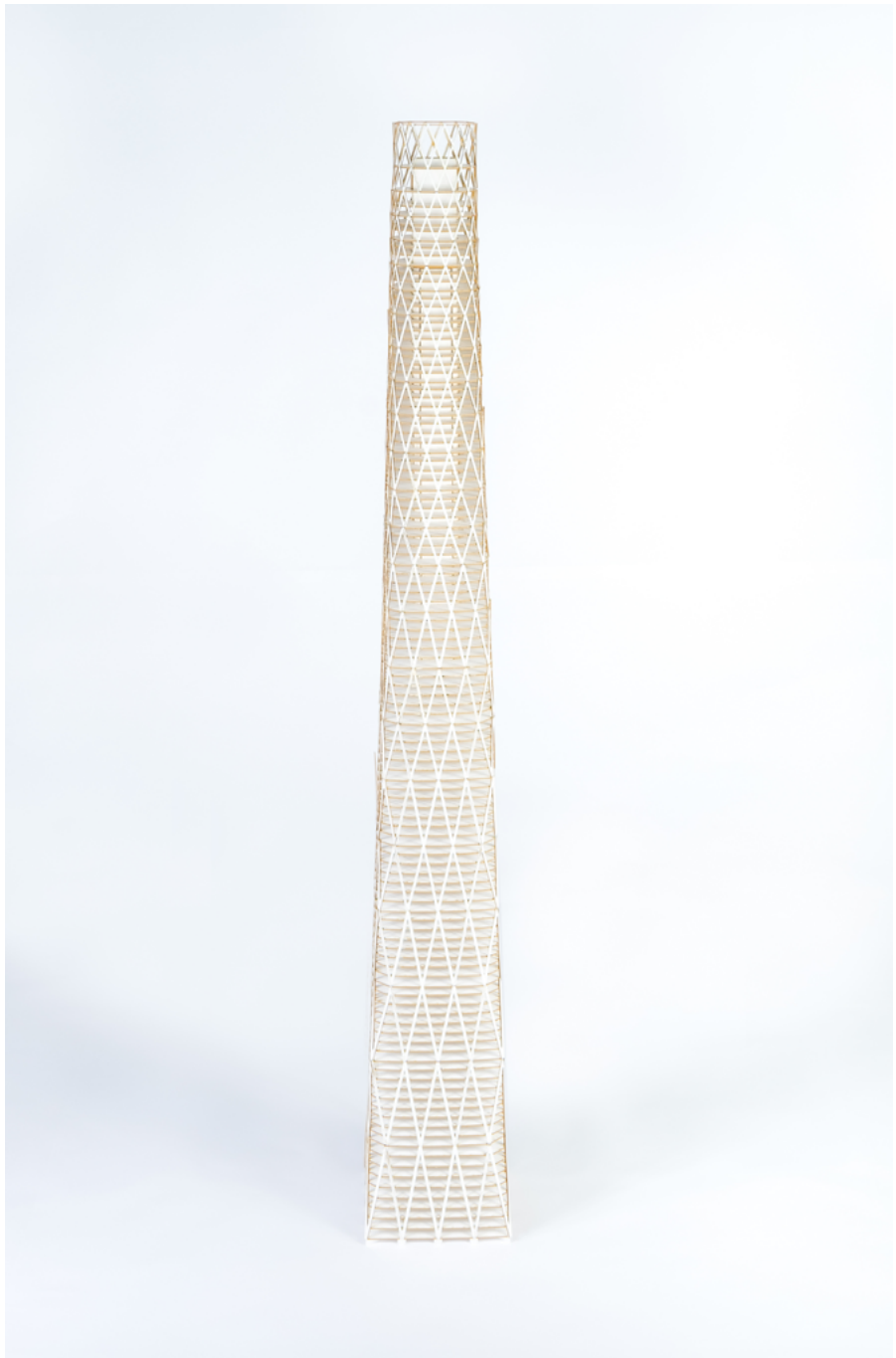
527 m

Building type: office tower

Bygningstype: kontortårn

Structural concept: bundled tube

Konstruktionsprincip: samlede rør



Lotte Super Tower

Seoul (ROK)

Designed/Designed 2008

555 m

Building type: office tower

Bygningstype: kontortårn

Structural concept: diagrid

Konstruktionsprincip: diagonalt

gitter



7 South Dearborn

Chicago (USA)

Designed/Designet 2000

610 m

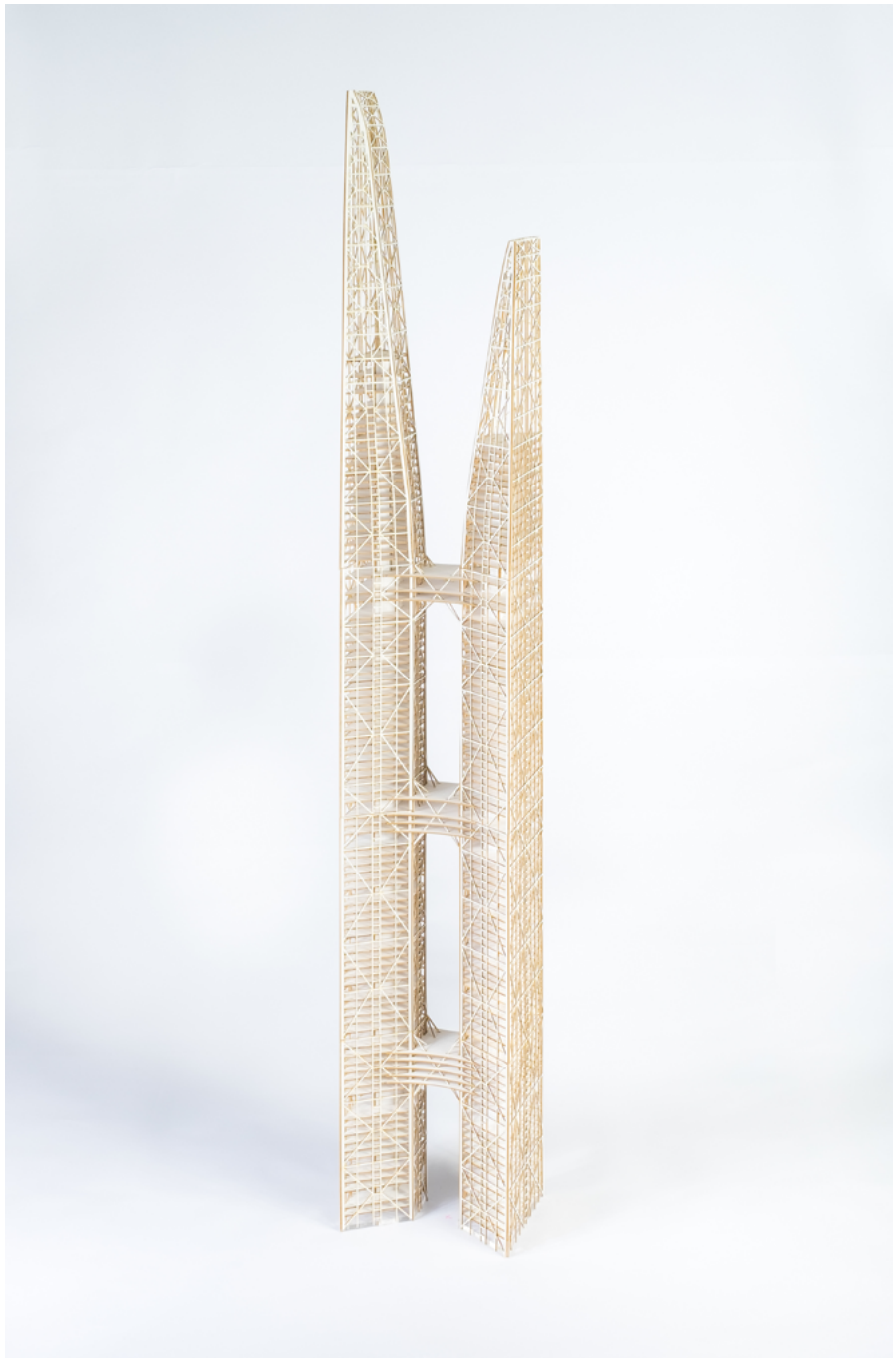
Building type: mixed-use tower

Bygningstype: blandede funktioner

Structural concept: stayed-mast

Konstruktionsprincip: fastholdt

mast



Liansheng Financial Tower

Taiyuan (CN)

Designed/Designet 2012

668 m

Building type: mixed-use tower

Bygningstype: blandede funktioner

Structural concept: dual towers

with ductile braced frames

Konstruktionsprincip: dobbelttårn

med formbare afstivede rammer



Burj 2020

Dubai (UAE)

Designed/Designet 2015

700 m

Building type: office tower

Bygningstype: kontortårn

Structural concept: super core

Konstruktionsprincip: super kerne



Burj Khalifa

Dubai (UAE)

Completed/opført 2010

828 m

Building type: mixed-use tower

Bygningstype: blandede funktioner

Structural concept: buttressed core

Konstruktionsprincip: afstivet kerne



ASPIRE

Jeddah (KSA)

Designed/designet 2009

1000 m

Building type: mixed-use tower

Bygningstype: blandede funktioner

Structural concept: super core

Konstruktionsprincip: super kerne



Desert Crystal

Jeddah (KSA)

Designed/Designet 2009

1000 m

Building type: mixed-use tower

Bygningstype: blandede funktioner

Structural concept:

stayed buttressed core

Konstruktionsprincip: fastholdt

afstivet kerne

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