# CTBUH Journa 

International Journal on Tall Buildings and Urban Habitat

Tall buildings: design, construction, and operation | 2017 Issue II

## Case Study: South Beach Towers, Singapore

River Beech Tower: A Tall Timber Experiment
Bioclimatic Comfort Design for High-Rises

## Supertall Elevator Maintenance

## Talking Tall: Modular High-Rise

In Numbers: Tall Timber - A Global Audit

Tall Timber: A Global Audit
This map highlights several examples of tall timber buildings currently built, under construction, or proposed around the world (see page 47 for table).


TallWood House at Brock
Commons
Commons
Status: Arc
Status: A rchitecturally Topped Out
Location: Vancouver
Due to be the largest mass-timber
building in the world at opening.


Terrace House
Status: Proposed
Location: Vancouver
This residential tower will be
This residential tower will be
a hybrid timber-concretesteel structure, using locallysourced wood.

| Key |
| :--- |
| Completed |
| Under Construction |
| Proposed |

VISIONS


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Framework uses an unusual "Low Framework uses an unusual "Low
Damage"post-tensioning system in its cross-laminated timber (CLT) shear walls, to counter
seisnic activity seismic activity.


Status: Completed, 2009 Location: London
The first high-density housing building to be built from pre-fabricated cross-laminated timber panels.


Kulturhus Skellefteá
Status Status: Proposed
Location: Skellefteă
The first floor of the museum
 its timber structure dramatically
with with wooden steps and wide-
spanning, column-free spaces

$$
\begin{aligned}
& \text { on every 4th floor, wh } \\
& \text { is a concrete slab. }
\end{aligned}
$$



Status: Proposed
Location: Amsterdam
The project will store 3 million kg
of carbon in its cross-laminated The project will store 3 million kg
of carbon in its cross-laminated pieces and is planned to achie
BREEAM Outstanding rating.


King
Status:
S
Status: Proposed
Location: Brisbane
The designers of
this building chose this builiding chose
engineered timber to deliver a contemporary, healthful office interio


Abebe Court Tower
Status: Proposed
Location: Lagos
Location: Lagos
The first tajor tall timber
build
building proposed for Africa,
this project would support
this project would support
live plants on several open-air live plants on seve
skygarden levels.

Fortè Tower
Status: Completed, 2013
Location: Melboune Location: Melbourne Australias first mass-
timber high-rise was the world's tallest when word's talest when
completed in 2013.

HSB 2023 - Vasterbroplan Stockholm This 34-floor project would use pillars and beams constructed of solid and cross-laminated timber.

Oakwood Tower, London
At 80 stories and 300 meters,
this building would be Londons
second-tallest building if it were
actually built today
$\square$
Tratoppen, Stockholm The wood panels cladding this envisioned building
would be shaped as the number of each floor.

