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**WITH
LEGO®
BRICKS**

**ON EXHIBITION
JUNE 1-SEPTEMBER 2, 2019**

MEDIA KIT





SOME ASSEMBLY REQUIRED.

ABOUT THE EXHIBITION

Towers of Tomorrow with LEGO® Bricks features 20 of the world's most astonishing skyscrapers from the United States, Australia, Asia, Canada and United Arab Emirates, constructed with breathtaking architectural detail and accuracy by Australia's Ryan McNaught, one of only 14 certified LEGO professionals in the world.

The exhibition, includes some of the most iconic and eye-popping towers from across North America, including Toronto's CN Tower, Philadelphia's Comcast Technology Center, Los Angeles' Wilshire Grand Center, Chicago's Willis Tower, Atlanta's Bank of America Plaza, and famous New York City landmarks such as the Empire State Building and Chrysler Building.

Skyscrapers across Asia featured in the exhibition include Taiwan's Taipei 101, Japan's Tokyo Skytree, Kuala Lumpur's twin Petronas Towers, Singapore's extraordinary Marina Bay

Sands and the amazing, self-contained city that is China's Shanghai Tower. Australia is represented by Barangaroo Crown Hotel Resort in Sydney, the Eureka Tower in Melbourne, Infinity Tower in Brisbane and the Gold Coast's Q1 building.

On a scale of 1:200 and built with stunning precision and attention to detail, the LEGO® towers offer visitors a birds-eye view of these extraordinary buildings and are just as impressive in model size. Visitors, young and old, can create their own 'tower of tomorrow' from over 200,000 loose LEGO bricks in hands-on construction areas and add their creations to a steadily rising futuristic LEGO metropolis inside the exhibition.



TICKET PRICES	Adults	Children Ages 2-13	Seniors Ages 60+	Members	Welcome
Full Museum Experience Towers of Tomorrow Admission + IMAX® includes full-day Museum admission	\$26	\$22	\$24	\$7	\$8
Special Exhibition Towers of Tomorrow Admission includes full-day Museum admission	\$22	\$18	\$20	\$3	\$4

THE MASTER BUILDER.

ABOUT RYAN MCNAUGHT

Ryan McNaught, a.k.a. 'The Brickman' is one of only 14 Certified LEGO® professionals worldwide modelling larger than life LEGO masterpieces. Ryan runs a full-time LEGO® building studio in Melbourne and making interactive models and built experiences is his speciality, building things that people can not only be inspired by but interact with.

Originally a chief information officer in the corporate world, McNaught found his creativity bound by the constraints of his job. He found a creative outlet, and amazing opportunity, in building with LEGO bricks. He and his team have built some of the world's largest and most detailed LEGO brick models. McNaught has produced five global touring exhibitions and hundreds of models for museums, galleries and shopping locations around the world.

Over the years, McNaught and his team have won many awards for their work. Their workspace includes over 5 million LEGO bricks, all organized by type and color.



THE BUILDINGS.

111 West 57th Street | New York City

Year Built: 2019

Height: 1,438 feet

Designed by: SHoP Architects

Number of LEGO bricks it took to build: 19,600

Number of hours it took to build model: 58

McNaught Thought: “This tower’s narrow shape and intricate detailing presented challenges. Its gold patterning was too small to be reproduced with LEGO bricks; instead we’ve added tan lines down the windows. We call this selective compression – selecting details to capture the essence of the building.”

Bank of America Plaza | Atlanta, Georgia

Year Built: 1992

Height: 1,023 feet

Designed by: Kevin Roche John Dinkeloo & Associates

Number of LEGO bricks it took to build: 39,975

Number of hours it took to build model: 111

McNaught Thought: “While it looks simple enough, this tower was unexpectedly complicated to re-create. Despite being square, it has many difficult angles and facets. It is the shortest North American tower on display but took longer to make than many of the others.”

Barangaroo Hotel Resort | Sydney, Australia

Year Built: Under Construction *expected to be completed in 2021*

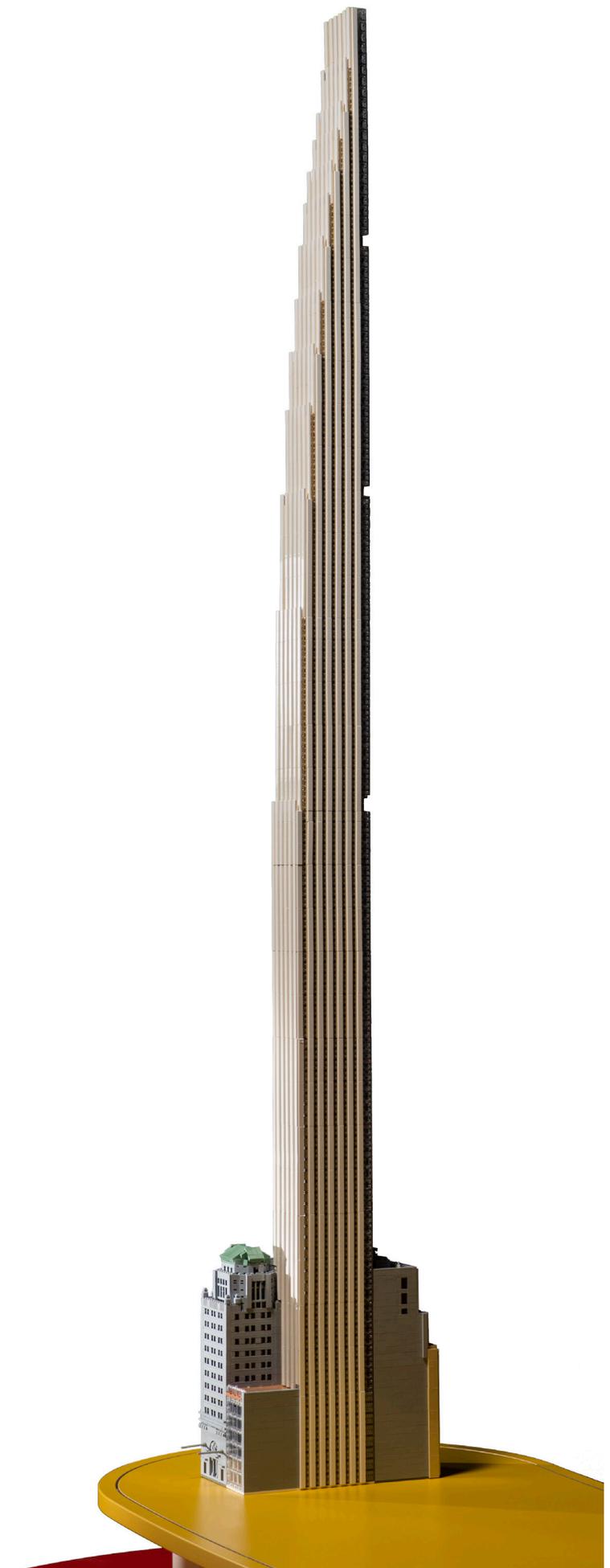
Height: 890 feet

Designed by: Wilkinson Eyre Architects

Number of LEGO bricks it took to build: 25,000

Number of hours it took to build model: 150

McNaught Thought: “Here’s another crazily unique shape. It’s tall and bulges in the middle and is divided into wings that look like pointed petals from above. Once again, our ability to sculpt gentle curves and create colors was pushed to the limit.”



Burj Khalifa | Dubai, United Arab Emirates

Year Built: 2010

Height: 2,717 feet

Designed by: Skidmore, Owings & Merrill LLP

Number of LEGO bricks it took to build: 48,365

Number of hours it took to build model: 135

McNaught Thought: “The model was too tall to fit in our workshop, so we built it in five tiers, and could only assemble it in the car park.”

Central Park Tower | New York City

Year Built: Under Construction *expected to be completed in 2019*

Height: 1,550 feet

Designed by: Adrian Smith + Gordon Gill Architecture

Number of LEGO bricks it took to build: 15,780

Number of hours it took to build model: 73

McNaught Thought: “With its cantilever jutting out on one side, it’s like nothing else around it. You either love it or you hate it - I think it’s a cool building.”

Chrysler Building | New York City

Year Built: 1930

Height: 1,046 feet

Designed by: William Van Alen

Number of LEGO bricks it took to build: 19,250

Number of hours it took to build model: 111

McNaught Thought: “To re-create the ornamental features, we had to find the most appropriate LEGO pieces. The triangular windows on the tower’s crown are made from wings from a spaceship and the fronts of cars.”

CN Tower | Toronto, Canada

Year Built: 1976

Height: 1,815 feet

Designed by: John Andrews, WZMH Architects

Number of LEGO bricks it took to build: 15,211

Number of hours it took to build model: 83

McNaught Thought: “This tower is a crazy shape - it looks like a UFO landed in the middle of Toronto. We made the donut-like ring with bumper bars from LEGO cars.”

Comcast Technology Center | Philadelphia

Year Built: 2018

Height: 1,121 feet

Designed by: Foster + Partners

Number of LEGO bricks it took to build: 22,500

Number of hours it took to build model: 62

McNaught Thought: “This tower was interesting architecturally as it features a lot of glass and interior gardens, and we tried as much as possible to relay that in the model.”

Empire State Building | New York City

Year Built: 1931

Height: 1,454 feet

Designed by: Shreve, Lamb & Harmon Associates

Number of LEGO bricks it took to build: 20,400

Number of hours it took to build model: 70

McNaught Thought: “If you look carefully, you can see we used dinosaur claws in front of knights’ shields to achieve some of the Art Deco ornamentation.”

Eureka Tower | Melbourne, Australia

Year Built: 2006

Height: 945 feet

Designed by: Nonda Fender of Fender Katsalidis Architects

Number of LEGO bricks it took to build: 13,900

Number of hours it took to build model: 108

McNaught Thought: “The great thing about Eureka Tower, apart from its being in Melbourne where I live, is that we got to use gold bricks, which are truly rare and precious in LEGO world.”

Infinity Tower | Brisbane, Australia

Year Built: 2014

Height: 817 feet

Designed by: DBI Design

Number of LEGO bricks it took to build: 6,600

Number of hours it took to build model: 103

McNaught Thought: “You’d never guess, but the tower is actually built sideways so we could get those long, narrow, vertical lines and a smooth cylindrical shape overall.”

International Commerce Centre | Hong Kong

Year Built: 2010

Height: 1,588 feet

Designed by: Kohn Pedersen Fox Associates

Number of LEGO bricks it took to build: 21,200

Number of hours it took to build model: 122

McNaught Thought: “We thought this one would be simple, but we were sorely mistaken. Its vast hinged walls slope inwards and outwards and there’s a notched channel down each side. What I’m most proud of is the intense color we got from placing ‘trans blue’ glass over a background of ‘earth blue’ bricks.”

Marina Bay Sands | Singapore

Year Built: 2010

Height: 656 feet

Designed by: Moshe Safdie, Safdie Architects

Number of LEGO bricks it took to build: 26,400

Number of hours it took to build model: 155

McNaught Thought: “Each supporting tower curves upwards like a banana. Some get thinner, others get thicker, some grow narrower, others grow wider. And then of course they all join in together. It proves what they say, ‘LEGO doesn’t like curves.’”

Petronas Twin Towers | Kuala Lumpur, Malaysia

Year Built: 1996

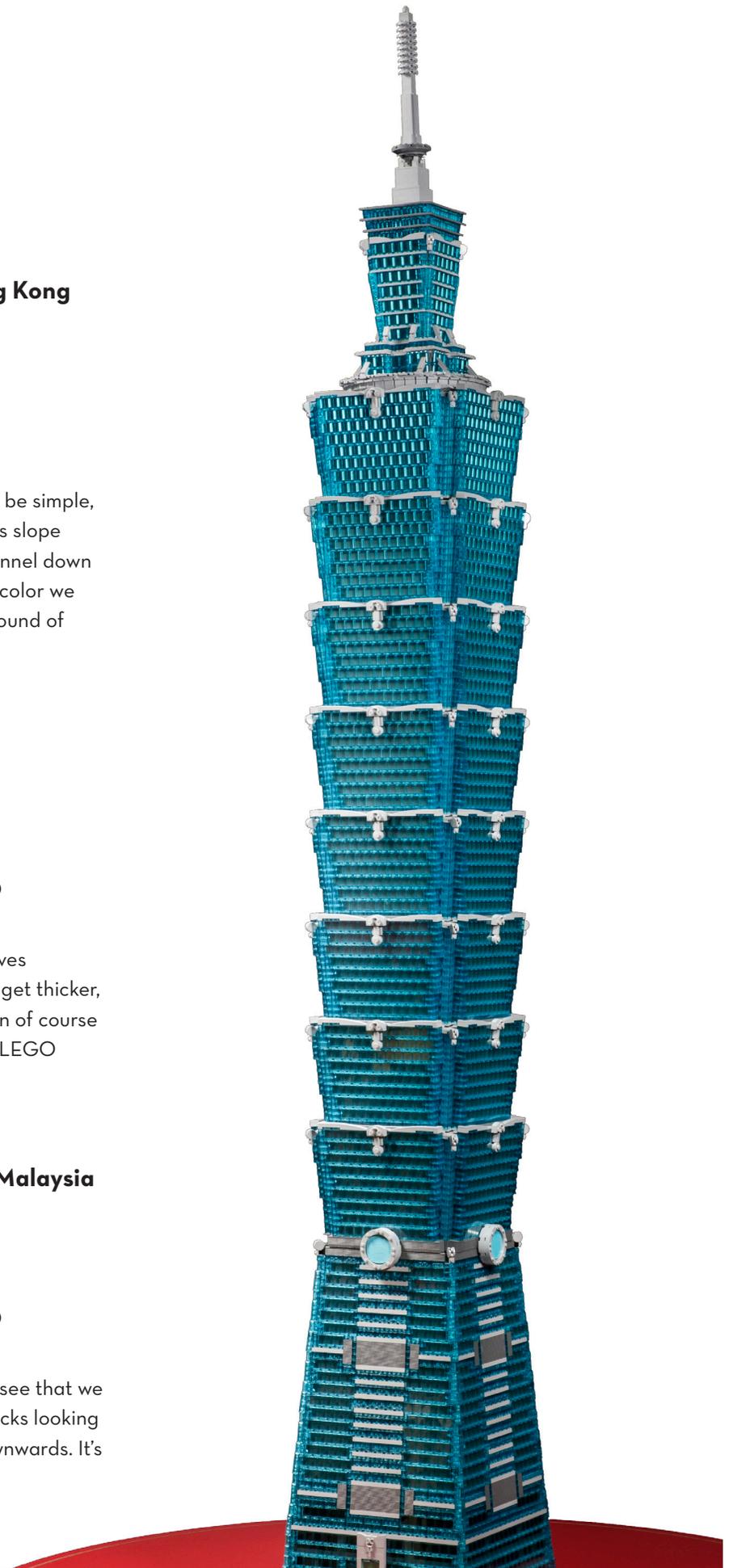
Height: 1,483 feet

Designed by: César Pelli

Number of LEGO bricks it took to build: 82,200

Number of hours it took to build model: 360

McNaught Thought: “Keen-eyed LEGO fans will see that we built this model upside down. To get the glass bricks looking clean and sharp we needed the studs facing downwards. It’s not your ‘everyday’ LEGO building, and it’s probably the craziest technique used in the whole project.”



Q1 Tower | Gold Coast, Australia

Year Built: 2005

Height: 1,058 feet

Designed by: Sunland Design Group and Innovarchi

Number of LEGO bricks it took to build: 11,900

Number of hours it took to build model: 82

McNaught Thought: “A combination of dark blue, mid-blue and white makes the Q1 sparkle like a jewel. It’s always hard to pick favorites, but this one comes pretty close.”

Shanghai Tower | Shanghai, China

Year Built: 2015

Height: 2,073 feet

Designed by: Gensler

Number of LEGO bricks it took to build: 104,800

Number of hours it took to build model: 185

McNaught Thought: “This building was a mind-bender. It’s basically a model with 80 separate LEGO layers, each shaped like a guitar pick. Inside it’s like a random stack of tin cans surrounded by trees and beams. Because the outer skin is transparent, we had to create a lot of internal details as well.”

TAIPEI 101 | Taipei, Taiwan

Year Built: 2004

Height: 1,667 feet

Designed by: C.Y. Lee & Partners

Number of LEGO bricks it took to build: 18,600

Number of hours it took to build model: 80

McNaught Thought: “The big challenge with Taipei 101 was its color. The actual building changes color throughout the day from dark green to deep blue. The perfect LEGO color was a shade called ‘dark azure’, but it was too rare to use. We finally went with ‘dark gray’, which we’ve tweaked with clever lighting.”

Willis Tower (Sears Tower) | Chicago, Illinois

Year Built: 1974

Height: 1,730 feet

Designed by: Skidmore, Owings & Merrill

Number of LEGO bricks it took to build: 29,500

Number of hours it took to build model: 64

McNaught Thought: “To get the tower’s distinctive color we used black bricks behind smoky glass.”

Tokyo Skytree | Tokyo, Japan

Year Built: 2012

Height: 2,080 feet

Designed by: Nikken Sekkei

Number of LEGO bricks it took to build: 19,200

Number of hours it took to build model: 191

McNaught Thought: “This is one of the craziest towers in the exhibition. For the lattice we developed a cool system of ‘jumper plates’ and ‘hinged elements’ to make the crisscross work properly, as well as allowing the shape to change from a triangle at the bottom to a circle at the top.”

Wilshire Grand Center | California

Year Built: 2017

Height: 1,100 feet

Designed by: AC Martin

Number of LEGO bricks it took to build: 18,900

Number of hours it took to build model: 96

McNaught Thought: “With its crazy slopes and curves, and flowing river of glass between the tower and podium, the Wilshire Grand presented a lot of unique features that are difficult to translate with LEGO. This was the hardest tower to make after the Burj Khalifa.”

FUN FACTS

BY THE NUMBERS

577,000+

LEGO bricks used in the exhibition

2,400

Hours it took to build Towers of Tomorrow with LEGO Bricks

1.5 tons

Weight of the exhibition

2x4

Most common LEGO brick size

104,800

LEGO bricks it took to build the tower that has the most LEGO bricks, Shanghai Tower

400+ billion

LEGO bricks have been made since they were first invented

1958

Year LEGO brick was invented

4 billion

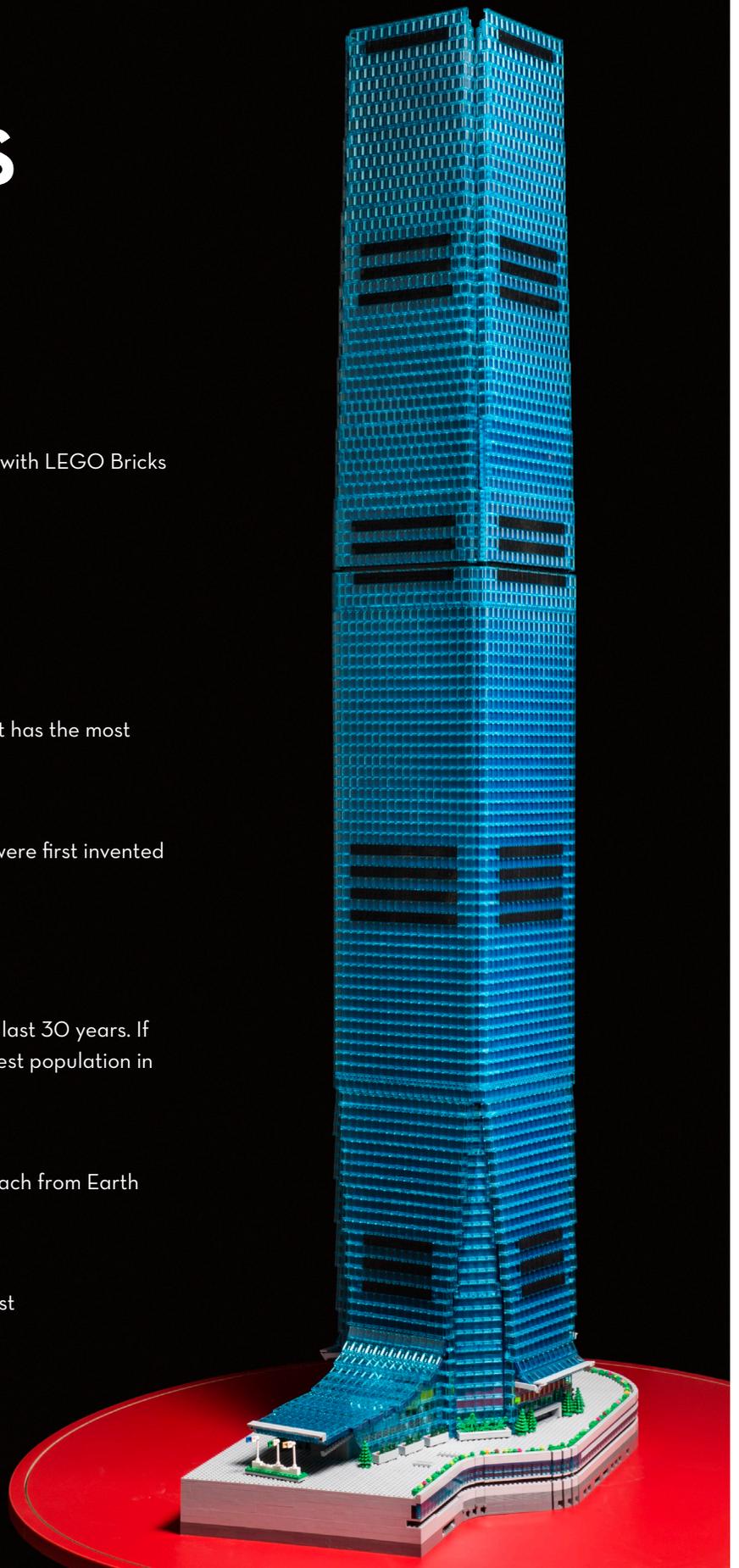
LEGO mini figures have been made in the last 30 years. If they were people, they'd make up the largest population in the world

40 billion

LEGO bricks stacked one by one would reach from Earth to the moon

915,103,765

Combinations that can be created from just six 2 x 4 LEGO bricks



ABOUT

ABOUT DISCOVERY PLACE SCIENCE

One of the top hands-on science museums in the nation, Discovery Place Science provides ever-changing, entertaining facilities that engage people in the active exploration of science, technology and nature. The museum brings relevant, contemporary science to life through groundbreaking exhibitions, interactive educational programming and hands-on activities. Discovery Place Science is located in Uptown Charlotte at 301 N. Tryon St. Convenient parking is available in the Museum's parking deck—the Carol Grotnes Belk Complex—at the corner of Sixth and Church streets. For more information about Discovery Place Science, call 704-372-6261, visit discoveryplace.org, or connect with Discovery Place Science on Facebook, Twitter, Instagram and YouTube. Discovery Place is a 501c3 nonprofit that provides STEM education to the Carolinas through four distinct museum experiences at Discovery Place Science, Discovery Place Nature and Discovery Place Kids, interactive educational programming, professional development training and community outreach initiatives. Discovery Place is supported, in part, with funding from the Arts & Science Council.

ABOUT SYDNEY LIVING MUSEUMS (SLM)

Sydney Living Museums is one of Australia's largest museum bodies. Since 1993, Sydney Living Museums has toured 40 exhibitions to 98 venues, seen by more than 1.9 million people. Our traveling exhibitions enable us to reach wider audiences, stimulating public interest in history, architecture and design.

Touring exhibition from



Toured internationally by



Towers of Tomorrow with LEGO Bricks is a traveling exhibition from Sydney Living Museums and toured internationally by Flying Fish.

