

DIALOG

ZERO CARBON HYBRID TIMBER SUPERTALL
PROTOTYPE

Unlocking a future of decarbonized urban density

Mixed-Use



LOCATION

Toronto, ON

DIALOG SERVICES

Architecture

Interior Design

Planning & Urban Design

Structural Engineering

Electrical Engineering

Landscape Architecture

Mechanical Engineering

Sustainability + Building Performance

Consulting

DIALOG's team of architects, structural, mechanical, and electrical engineers, interior designers, and landscape architects came together to ask: how high and, how sustainable can we go with a 'supertall'?

Our answer: 105 storeys or more.

Our prototype is designed with a series of construction types and a concrete core that allow for a variety of uses from retail and office, to residential, and public amenities and beyond. An innovative combination of materials including wood, steel and concrete will maximize the use of sustainably harvested wood by volume. The result is a zero carbon high-rise that's designed to address increased density while reducing greenhouse gases and generating its own energy.