

URBAN MENTAL HEALTH CRISIS

MODERN LIFESTYLE - SENSORY DISRUPTION

The rapid pace of city life, the constant noise and lights, and the lack of green spaces

There are studies showing mental health has become a growing concern in the United contribute to sensory overload and have a significant impact on our mental and

States, as rates of mental illness and related disorders have risen dramatically in physical well-being. The hectic pace of city life leave people feeling overwhelmed, while the lack of open spaces and green areas can make it difficult to find a sense of calm and peace. These changes to our sensory experience can lead to increased illness, with conditions such as anxiety and depression being among the most stress levels, decreased mental clarity, and a sense of disconnection from our common. Among, the cases proportion between urban and rural, the scale leans to



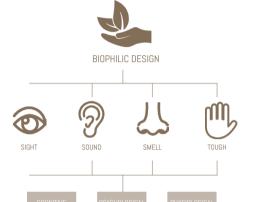
As one of the largest city in U.S., New Yorkers are facing the overwhelming environment by rapid urbanisation in a daily basis. The proposed tower is located at one of the most prime area of the city - The Financial District in Manhattan., which are known for having limited green spaces compared to other neighborhoods, and the fast-paced and high-pressure area also contributes certain extent of stress and anxiety for local residents.

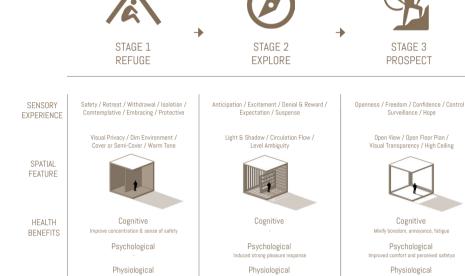
recent years especially for young adults and adolescents. According to the National

Institute of Mental Health (NIMH), nearly 1 in 5 adults in the U.S. experiences mental

the urban side, suggesting the neagtive effects of urbanisation on mental health.

The selected site locates near South Street Seaport, which has a mix of residential and commercial buildings, surrounded by tall buildings. The proposed mix-use tower offers the third space for local dwellers that seek and foster sense of sanctuary in the urban.





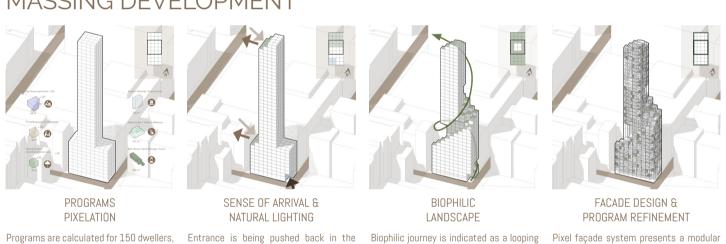
being, and act as an retreat space in the urban density.

MENTAL WELL-BEING

3 STAGES OF BIOPHILIC EXPERIENCE

By using biophilic design as the core, followed by principles of providing Three stages - refuge, explore and prospect - provide a procession of spatial experiences that celebrate multi-sensory experience in sight, sound, smell and touch, in order to the biophilic journey. Materiality, texture, tone and light combine to create different sensory experiences. enhance our physiological, cognitive and psychological connections As stated in Roger Ulrich's article "Aesthetic and affective response to natural environments", biophilic to the natural world. Through this human-nature relationship, it aims experience and features reduces negative emotions and disliking, providing a restorative experience. to create a more healthy built environment by positive effect on well
Therefore, nature based features are the major component of the biophilic framework.

MASSING DEVELOPMENT

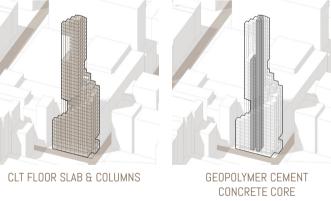


Podium and rooftop are sloped to increase regular celebration of nature.



PROGRAM REFINEMENT including apartment, co-working space corner to provide a sense of arrival. route circulate along the building as a biominic cell appearance meanwhile enabling the tenant to create biophilic rich getaway spaces in an outdoor environment.

STRUCTURE



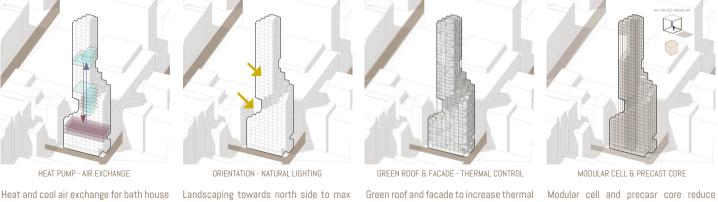
receival of natural lighting.

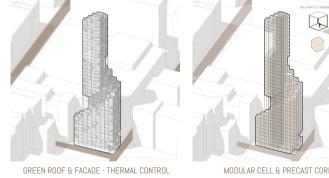
TIMBER-CONCRETE HYBRID CONSTRUCTION

A hybrid structure consisting of timber structure and concrete core is the ideal structural approach for a mass timber skyscraper in the city. As timber core would result in large loss of floor area due to its thicker core walls. Core by geopolymer cement provides lower carbon emission concrete option meanwhiles provides a thinner thickness of core so as to save space per floor.

Modular CLT cell ensure loadings from floor transfers to columns on a 4m x 4m grid to the ground. Precast concrete core to provide lateral resistance to the overall structure.

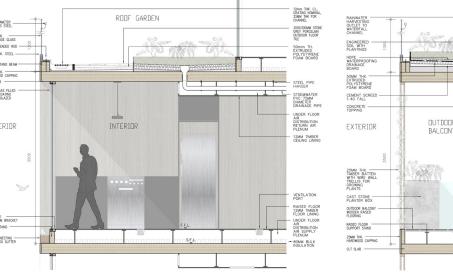
SUSTAINABILITY





MODULAR CELL & PRECAST CORE resistance. Outdoor green balcony create construction waste and time, which a further thermal insulation layer. lower the overall carbon footprint.

CONSTRUCTION DETAIL





SENSORY FEATURES

PROGRAM SECTION 1:200

0 5 10 15 20 m



11)



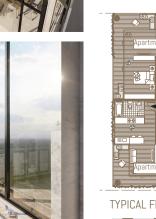
STAGE 1 - REFUGE - BATH HOUSE

inhabitant to escape from the stress and stimulation of the outside world, and to feel safe and secure.

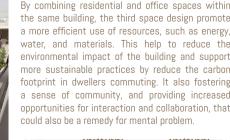
SENSORY FEATURE - OUTDOOR WATERFALL



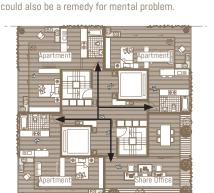


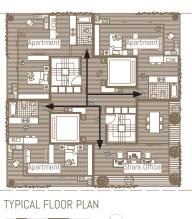


The first stage, refuge, provides a sense of protection and security for the inhabitant. This stage is featured by Explore: The second stage, prospect; provides a sense of openness and perspective. This stage is characterized by enclosed spa and pool that offer a broad, expansive view with natural features at the back. The space features curtian wall glazing natural materials and textures, such as wood, stone and water to provide a calming effect. This stage allows the indoor garden. The labyrinth design is intended to stimulate the senses and create a sense of wonder and discovery, and high head room for a breath of freedom and transparency. The open floor plan atrium with waterfall and green as the inhabitant explores and interacts with the natural environment.

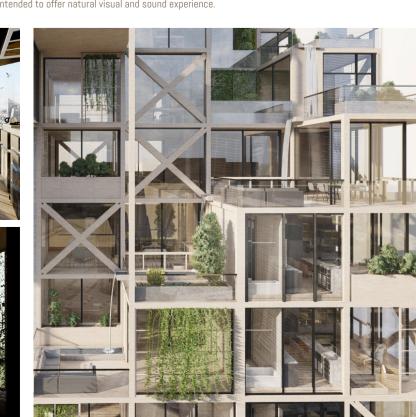


STAGE 2 - EXPLORE - INDOOR GARDEN









STAGE 3 - PROSPECT - LVL 26

SECTIONAL PERSPECTIVE STAGE 3 - PROSPECT

SECTIONAL PERSPECTIVE STAGE 2 - EXPLORE

SECTIONAL PERSPECTIVE STAGE 1 - REFUGE

STAGE 2 - EXPLORE - LVL 18 0 2 4 6 8 0

STAGE 1 - REFUGE - LVL 4

wall is intended to offer natural visual and sound experience.