

P5 Drawing Set:

AFFORDABLE HOUSING SKYSCRAPER

KEVIN VAN WEERDENBURG
4442857

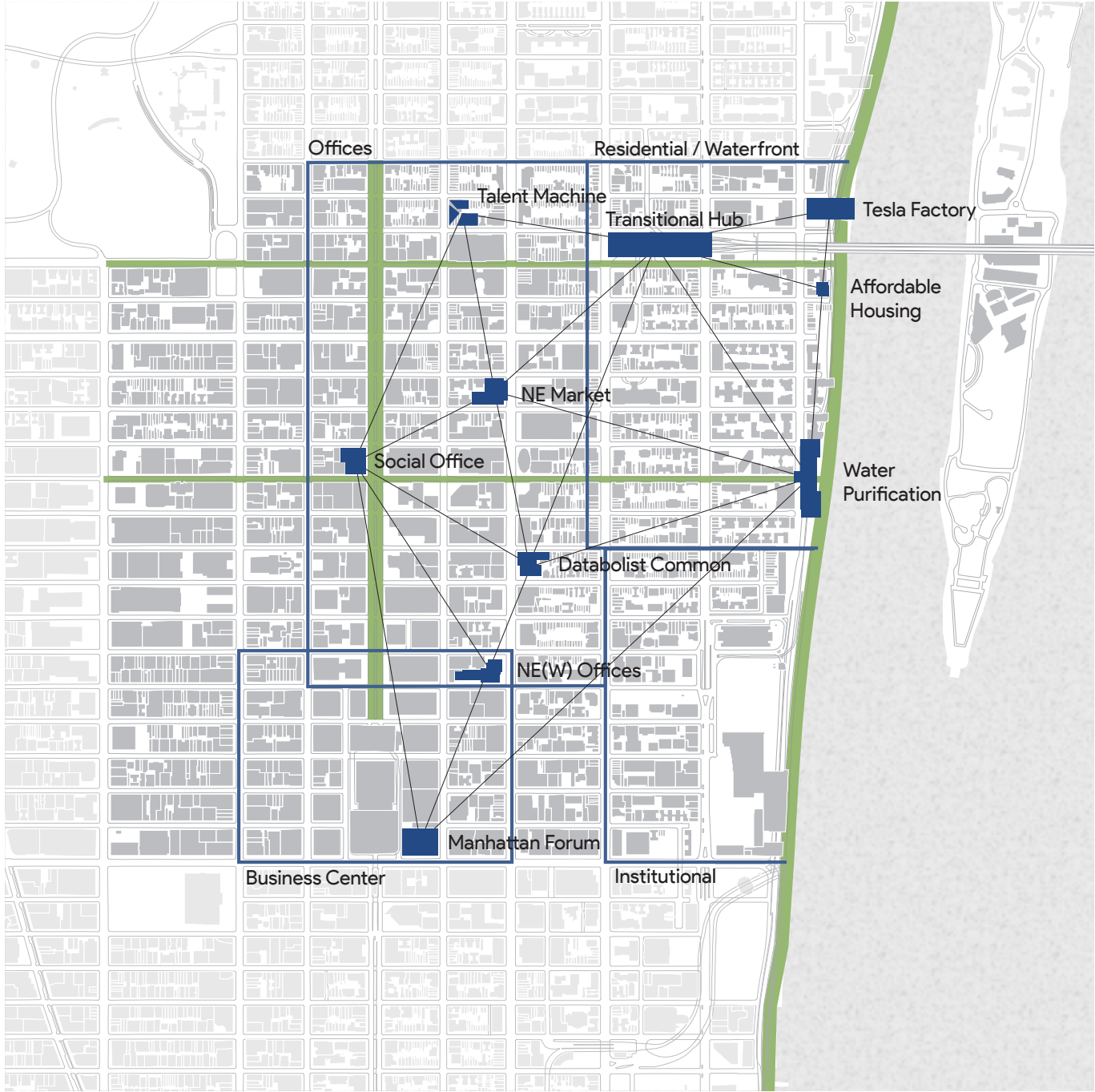
30-06-2020

Delft University of Technology
Msc. 4 Architecture

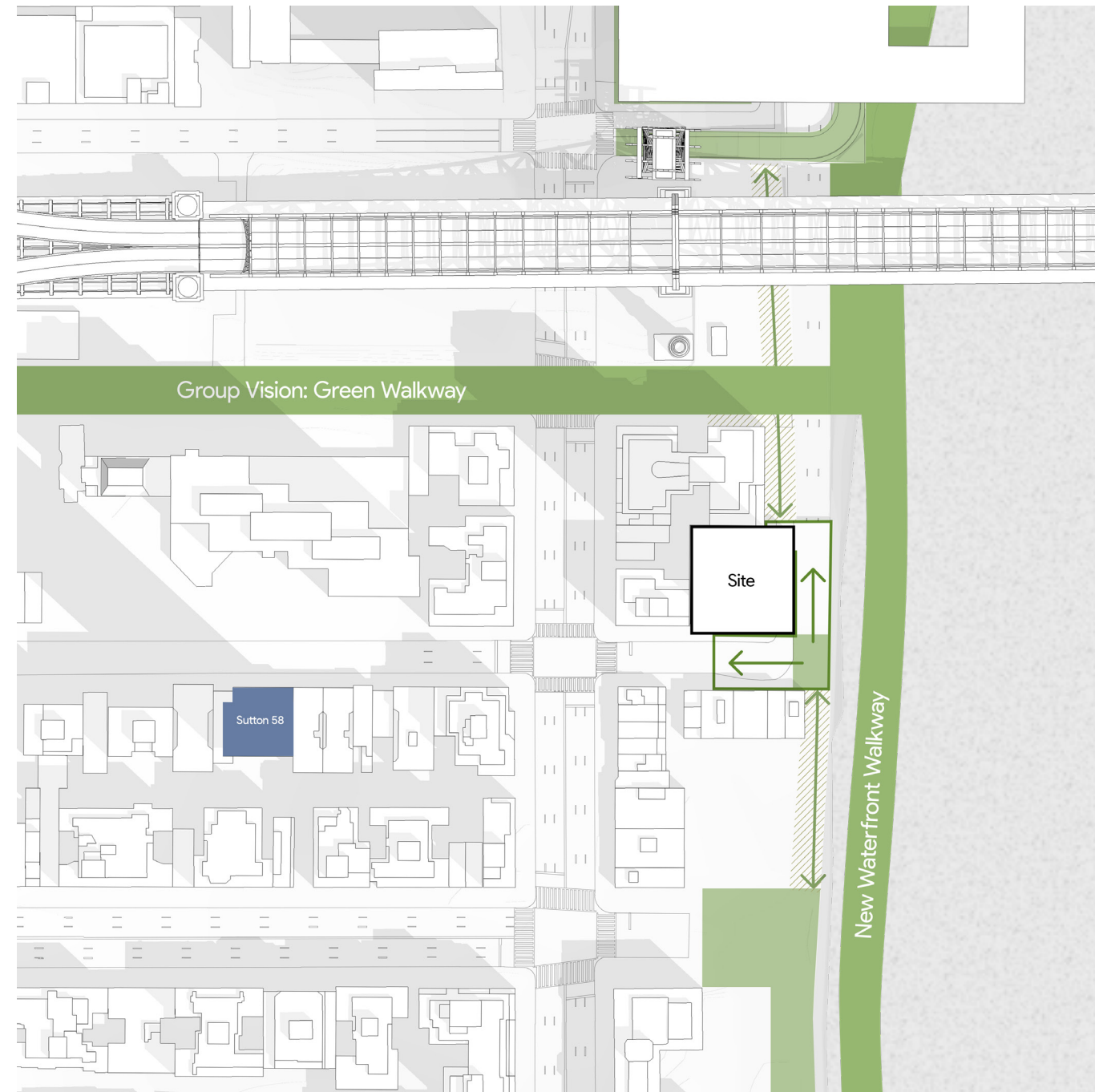
Chair of Complex Projects
AR3CP010 - Complex Projects Graduation Studio: Midtown NY

CP

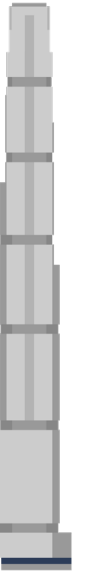
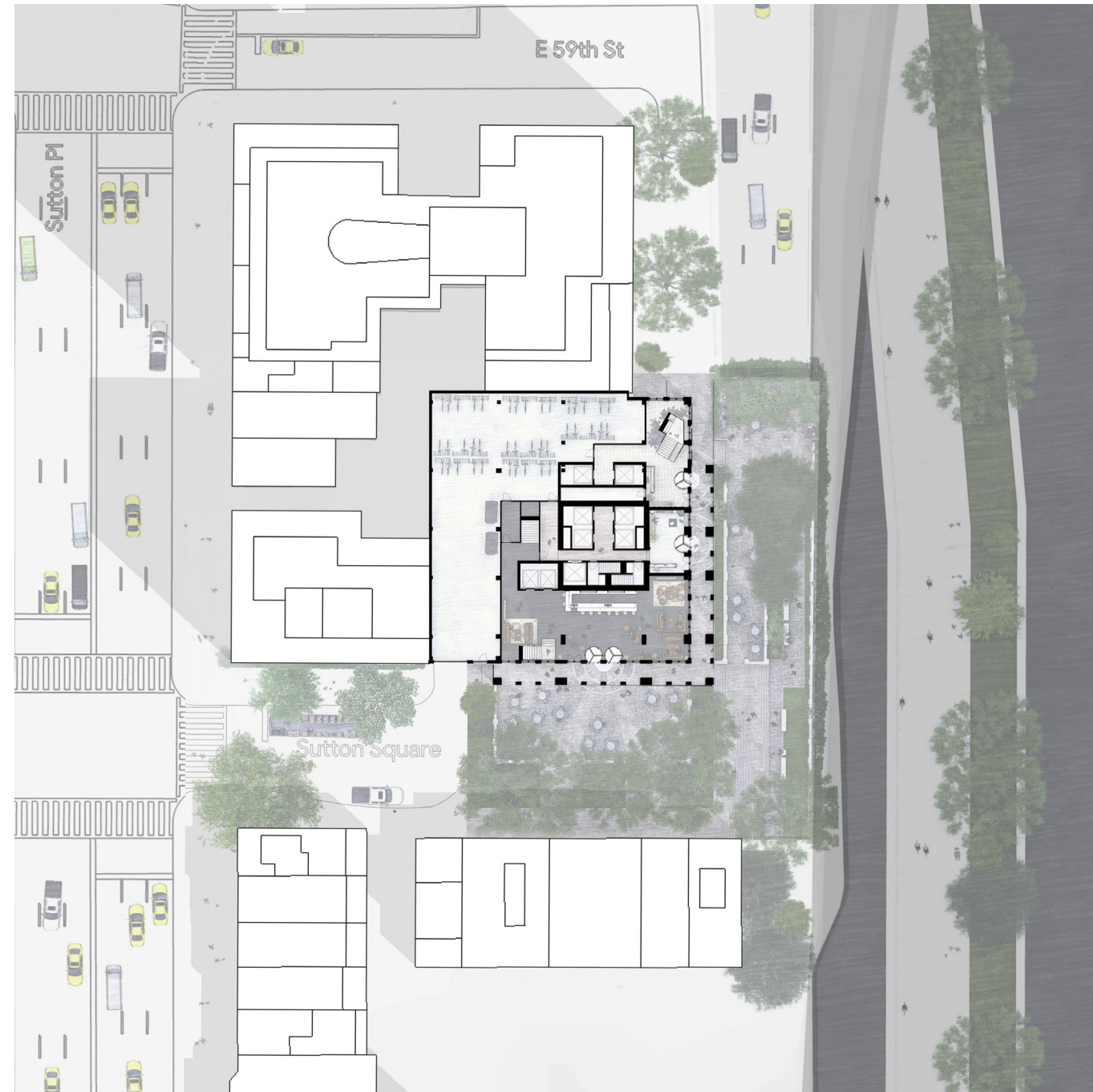
GROUP SITE PLAN



SITE PLAN

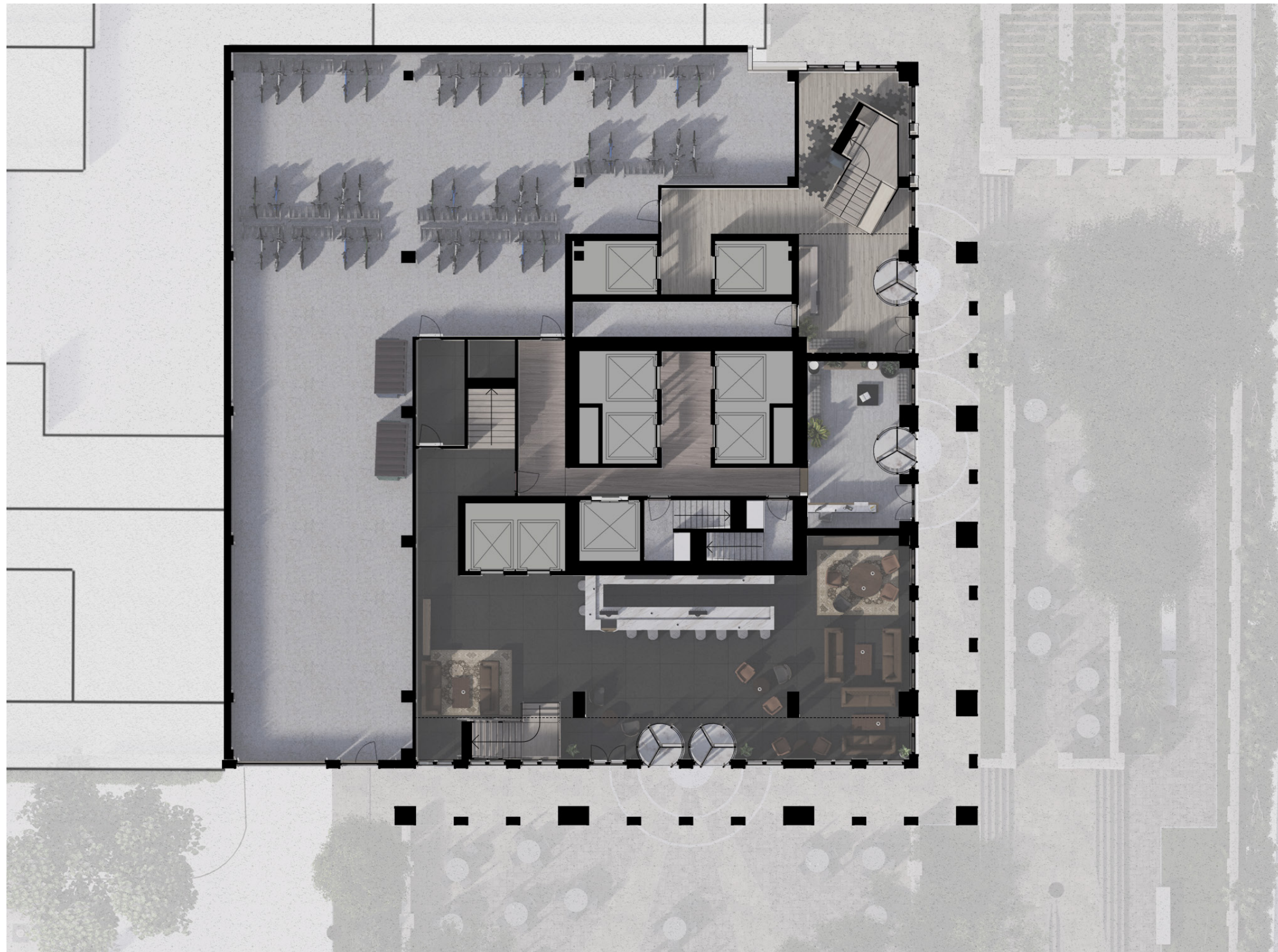


URBAN IMPLEMENTATION



TYPICAL FLOORPLANS:

GROUND FLOOR



TYPICAL FLOORPLANS:

FIRST FLOOR



TYPICAL FLOORPLANS:

SECOND FLOOR: CO-WORKING

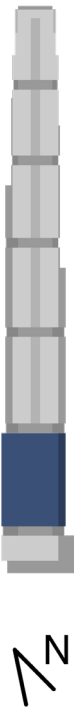


TYPICAL FLOORPLANS:

3RD & 4TH FLOOR: PRESCHOOL



TYPICAL FLOORPLANS:
LOW-INCOME APARTMENTS



TYPICAL FLOORPLANS: MODERATE-INCOME APARTMENTS

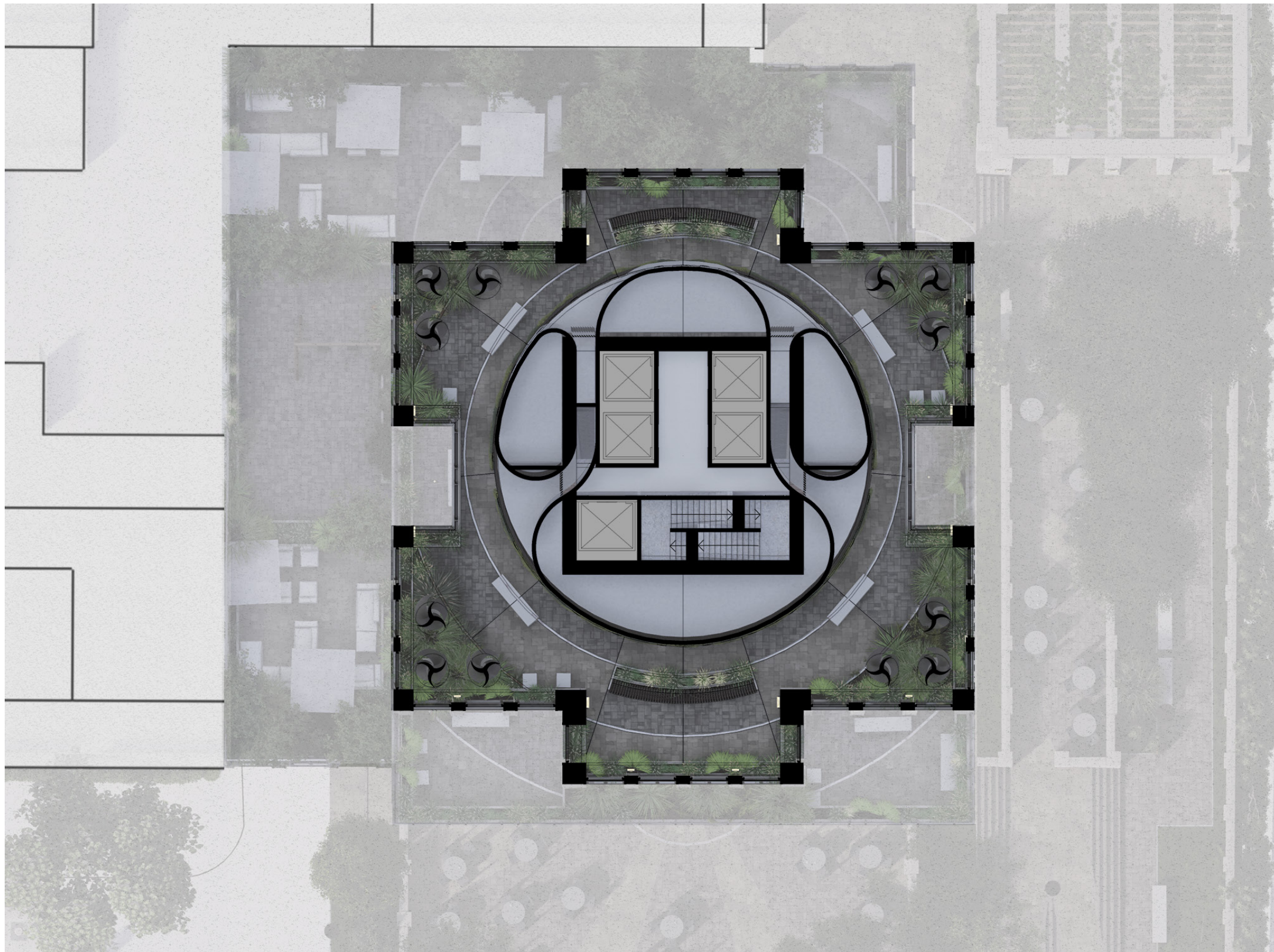


TYPICAL FLOORPLANS: MIDDLE-INCOME APARTMENTS



TYPICAL FLOORPLANS:

SKY GARDENS



AXO OF TYPICAL FLOORS:

GROUND FLOOR



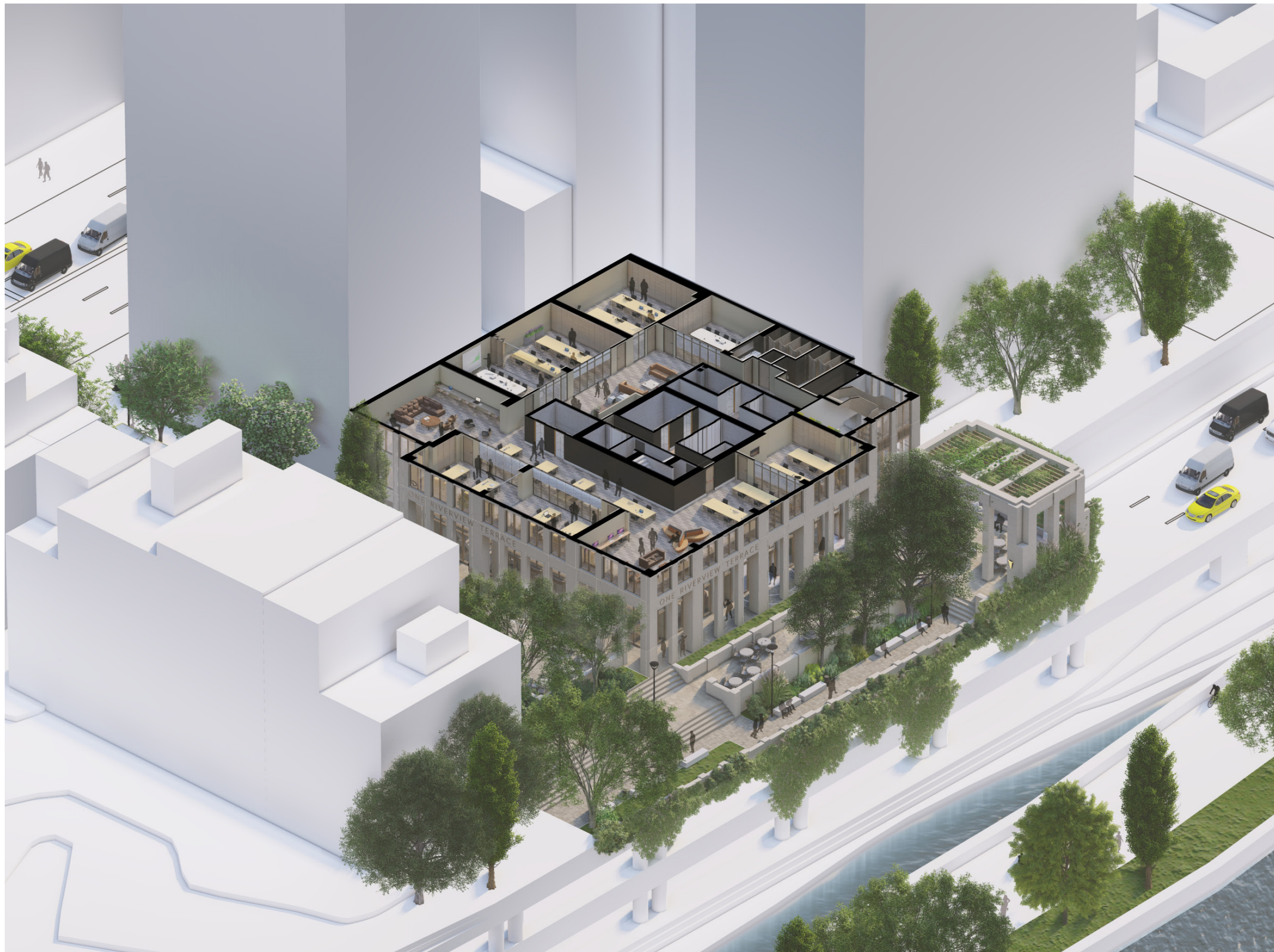
AXO OF TYPICAL FLOORS:

FIRST FLOOR



AXO OF TYPICAL FLOORS:

SECOND FLOOR: CO-WORKING



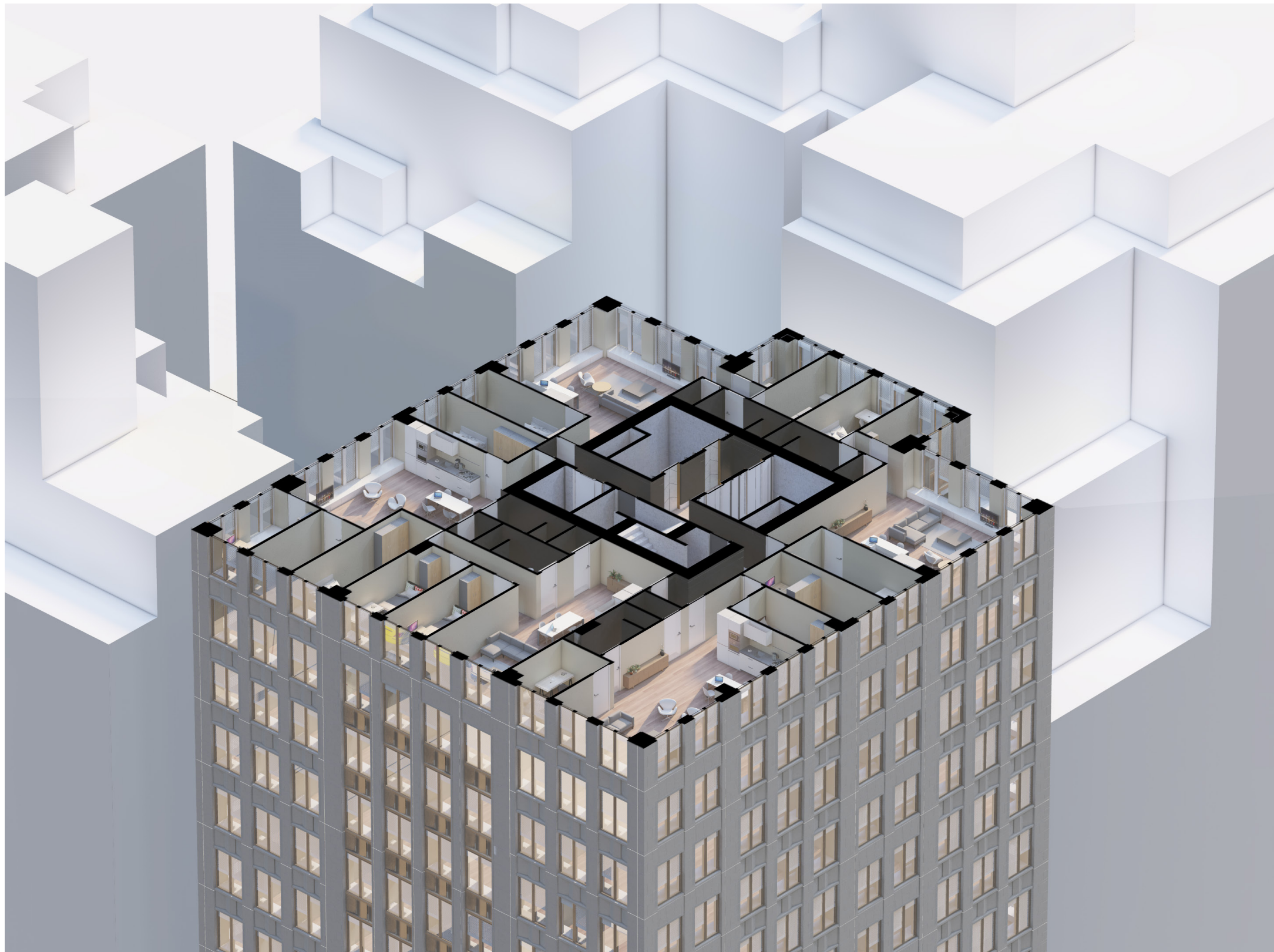
AXO OF TYPICAL FLOORS:

4TH FLOOR: PRE-SCHOOL



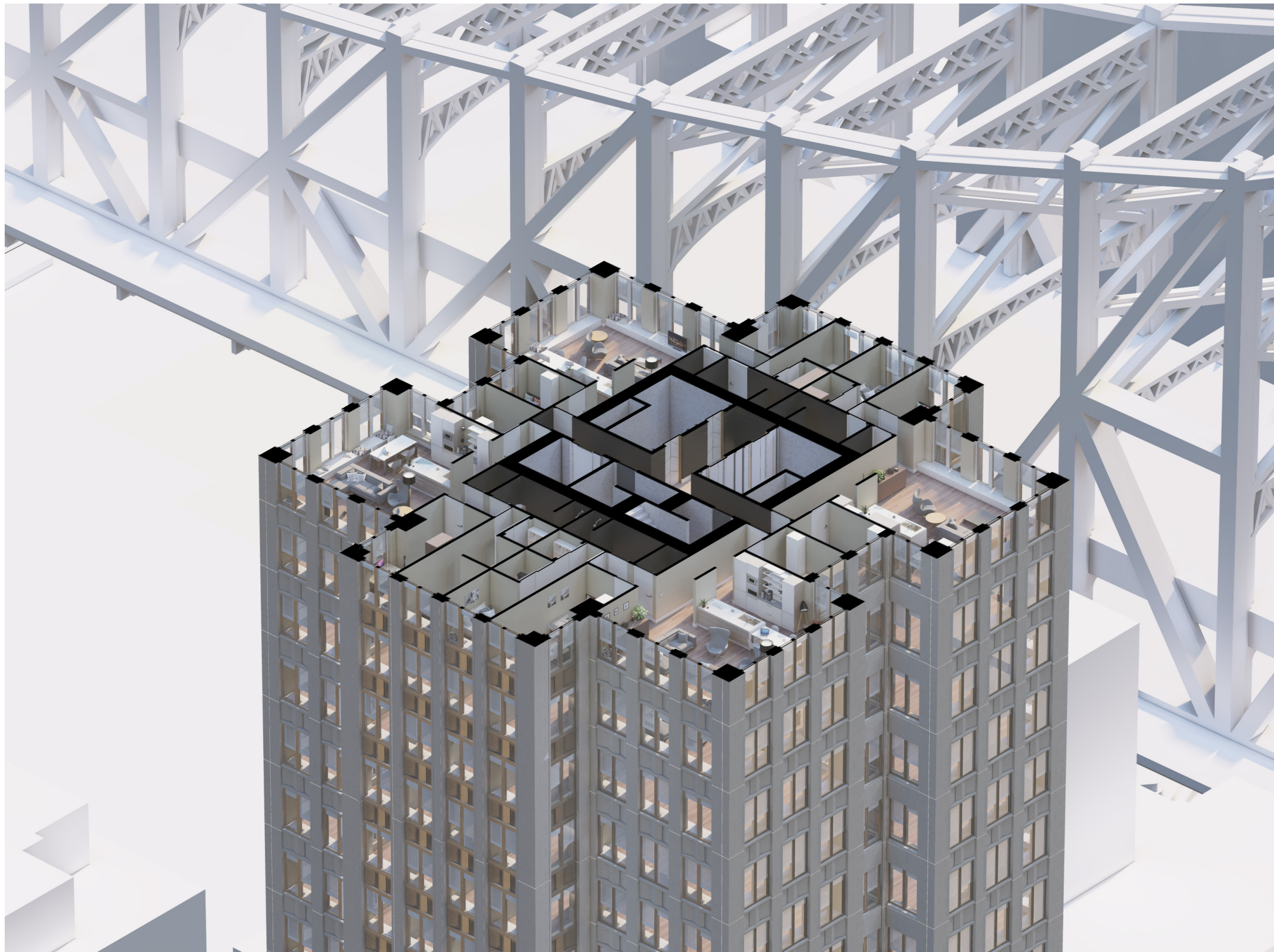
AXO OF TYPICAL FLOORS:

LOW-INCOME APARTMENTS



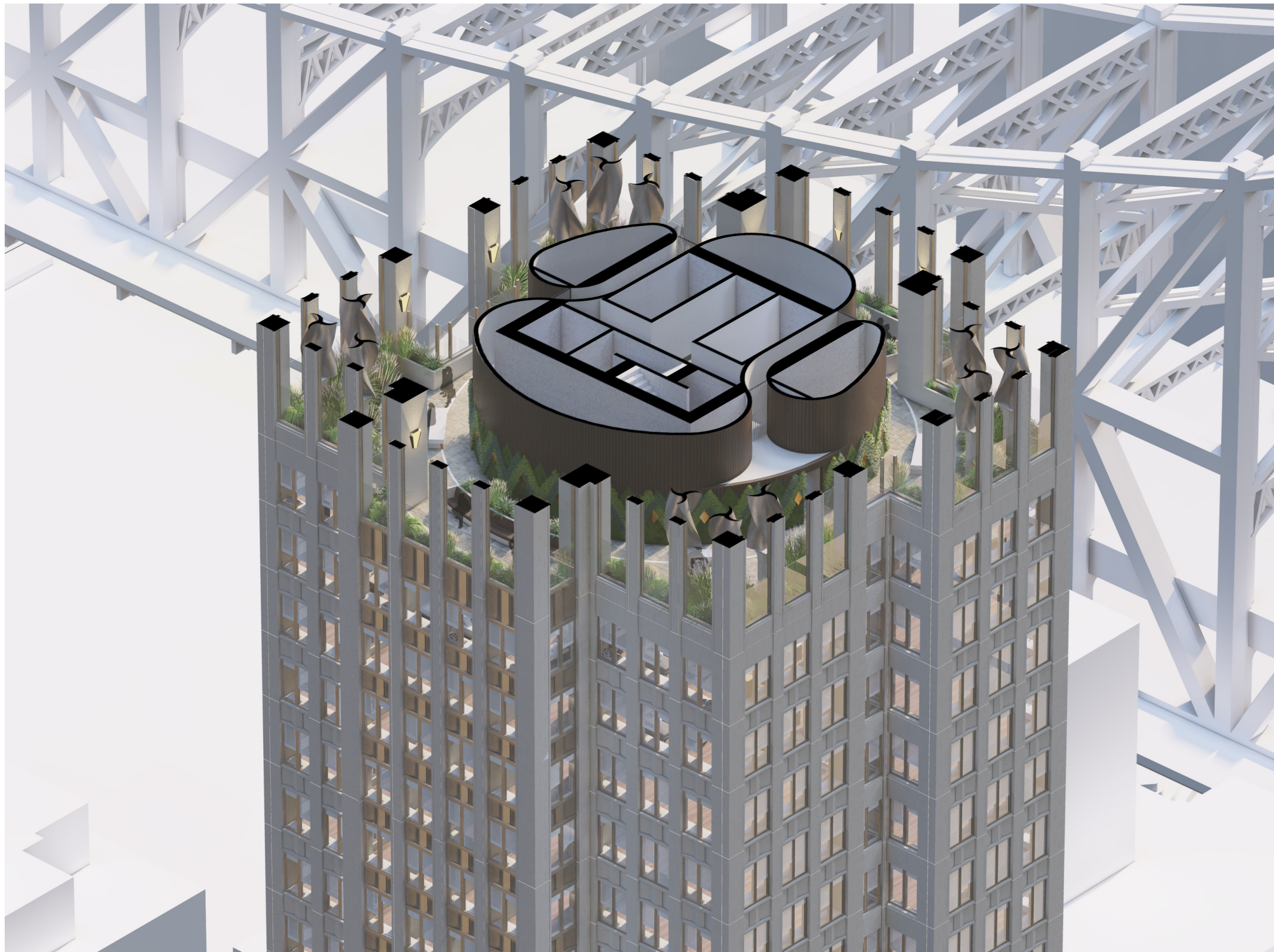
AXO OF TYPICAL FLOORS:

MODERATE-INCOME APARTMENTS



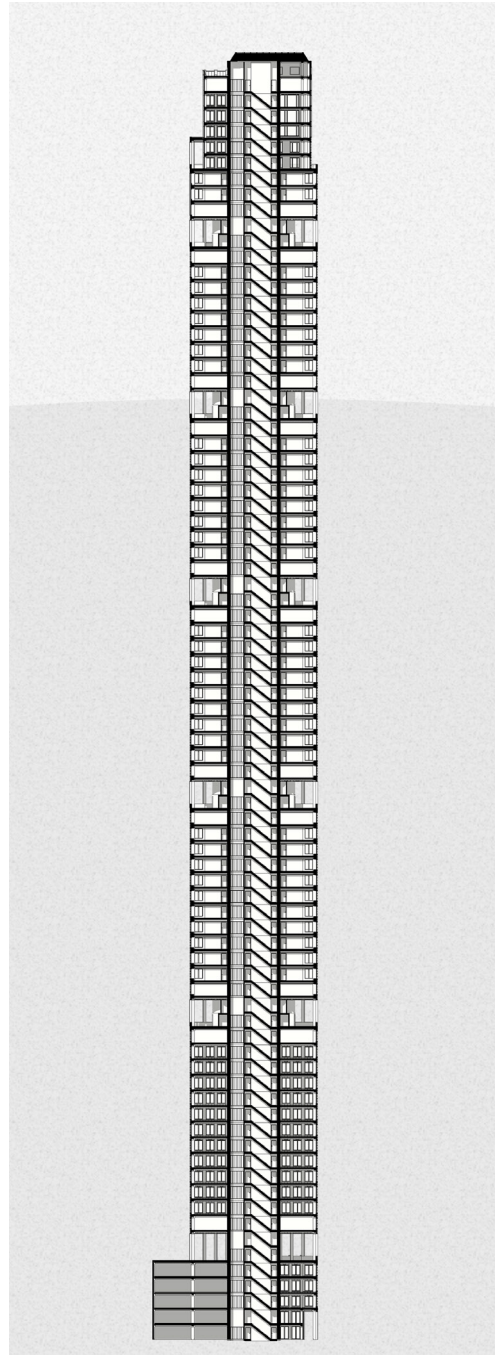
AXO OF TYPICAL FLOORS:

SKY GARDENS



SECTIONS

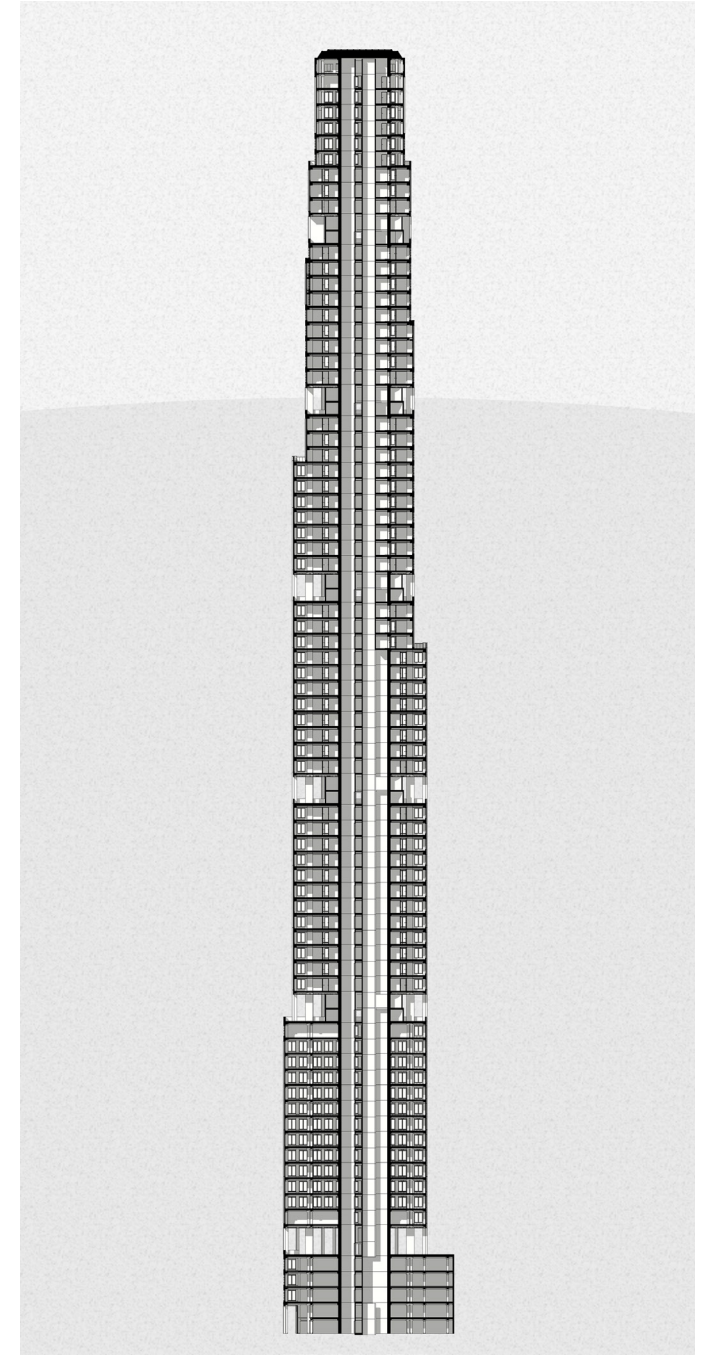
Section A: Cross-sectional



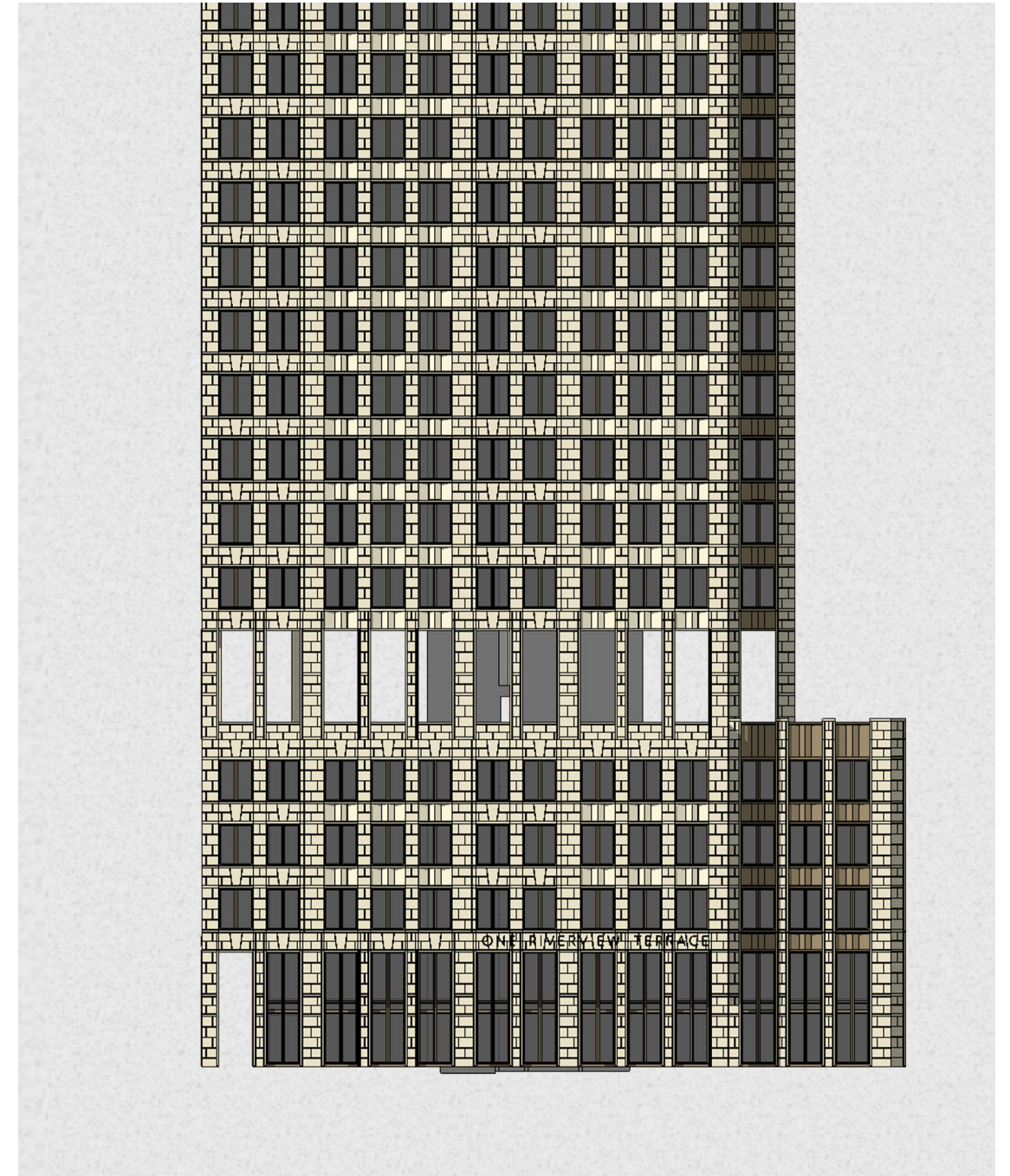
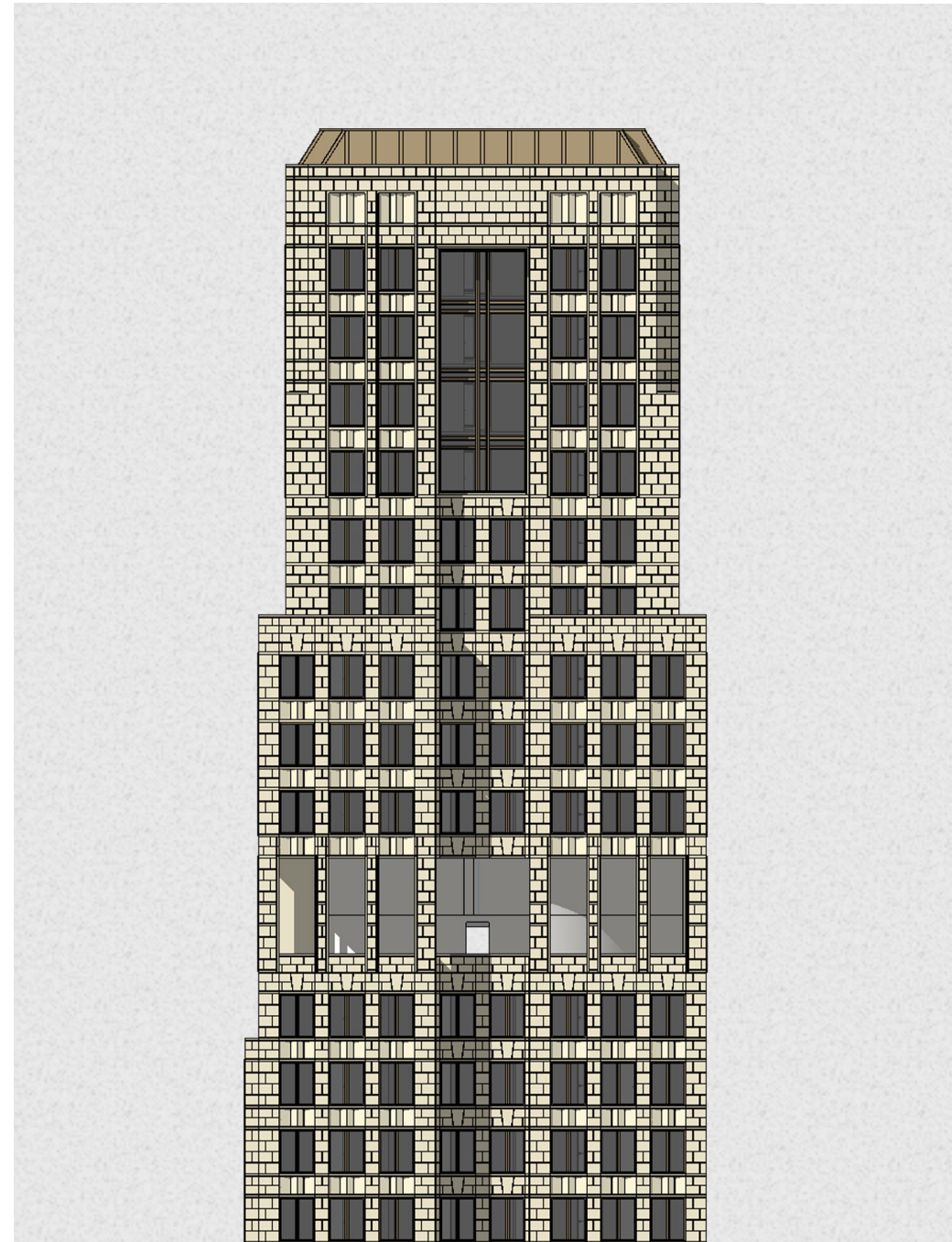
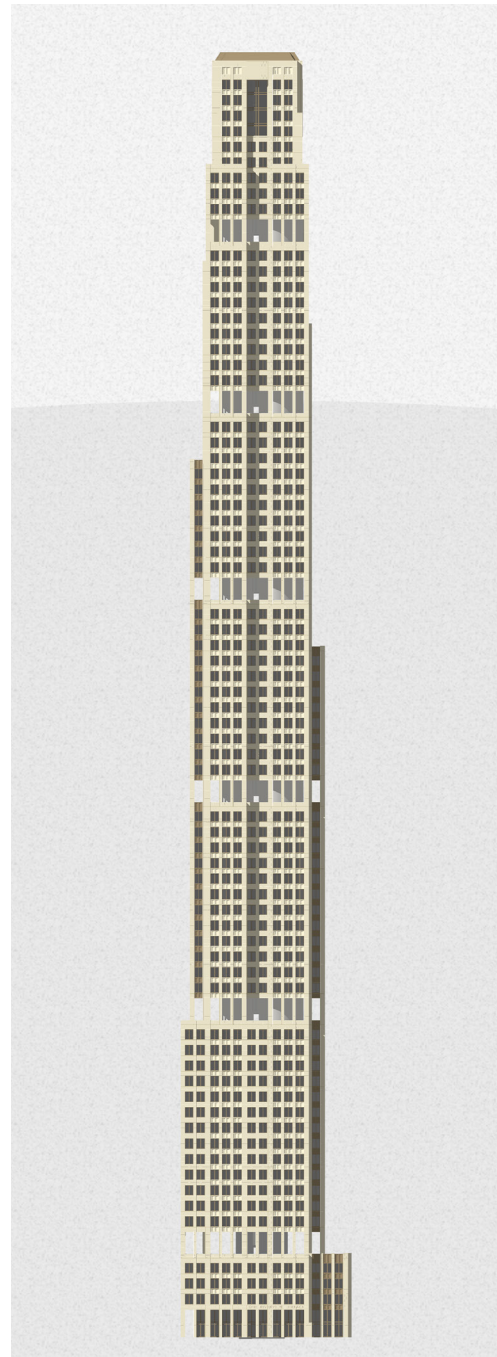
Section A: Zoom Top



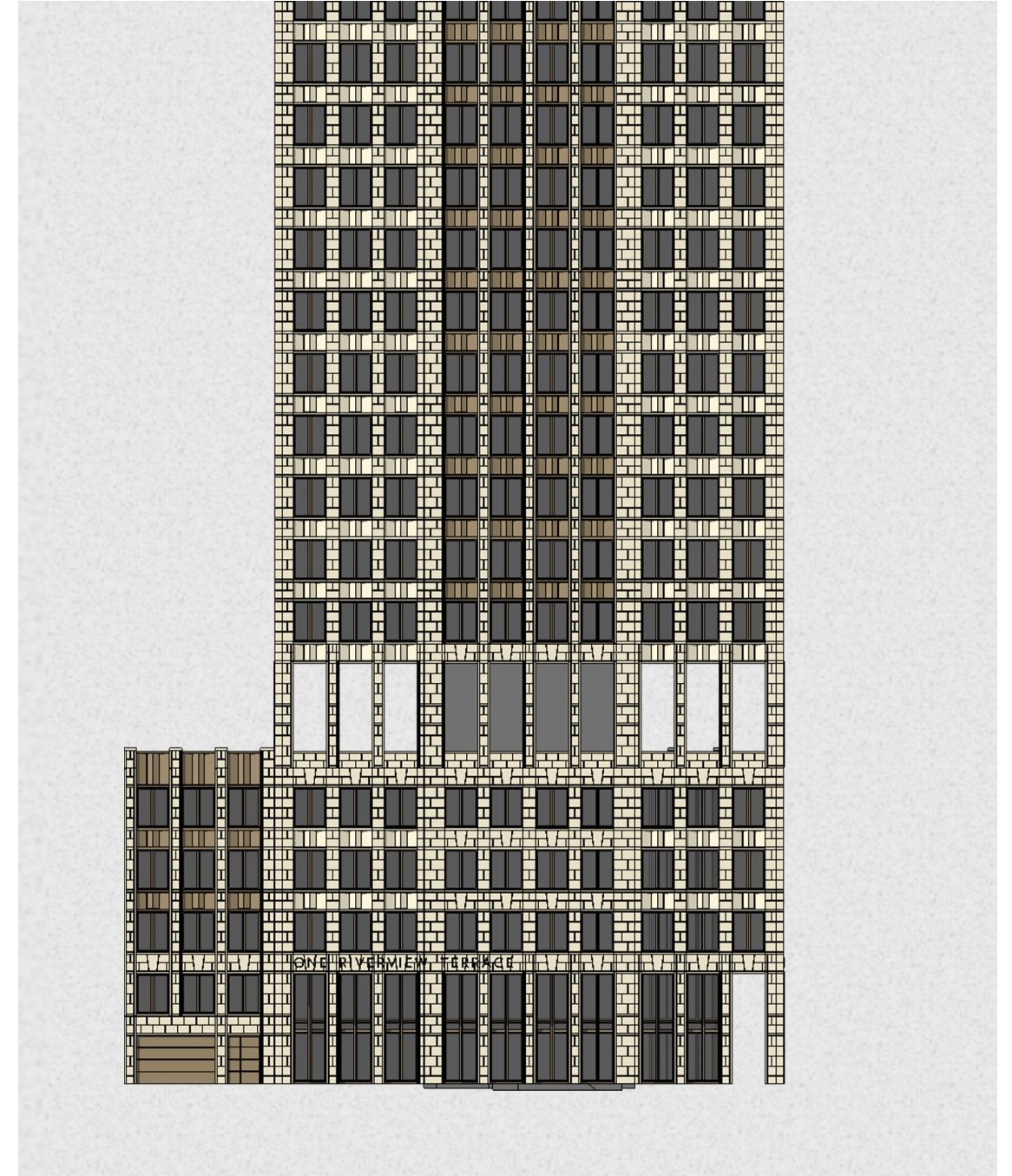
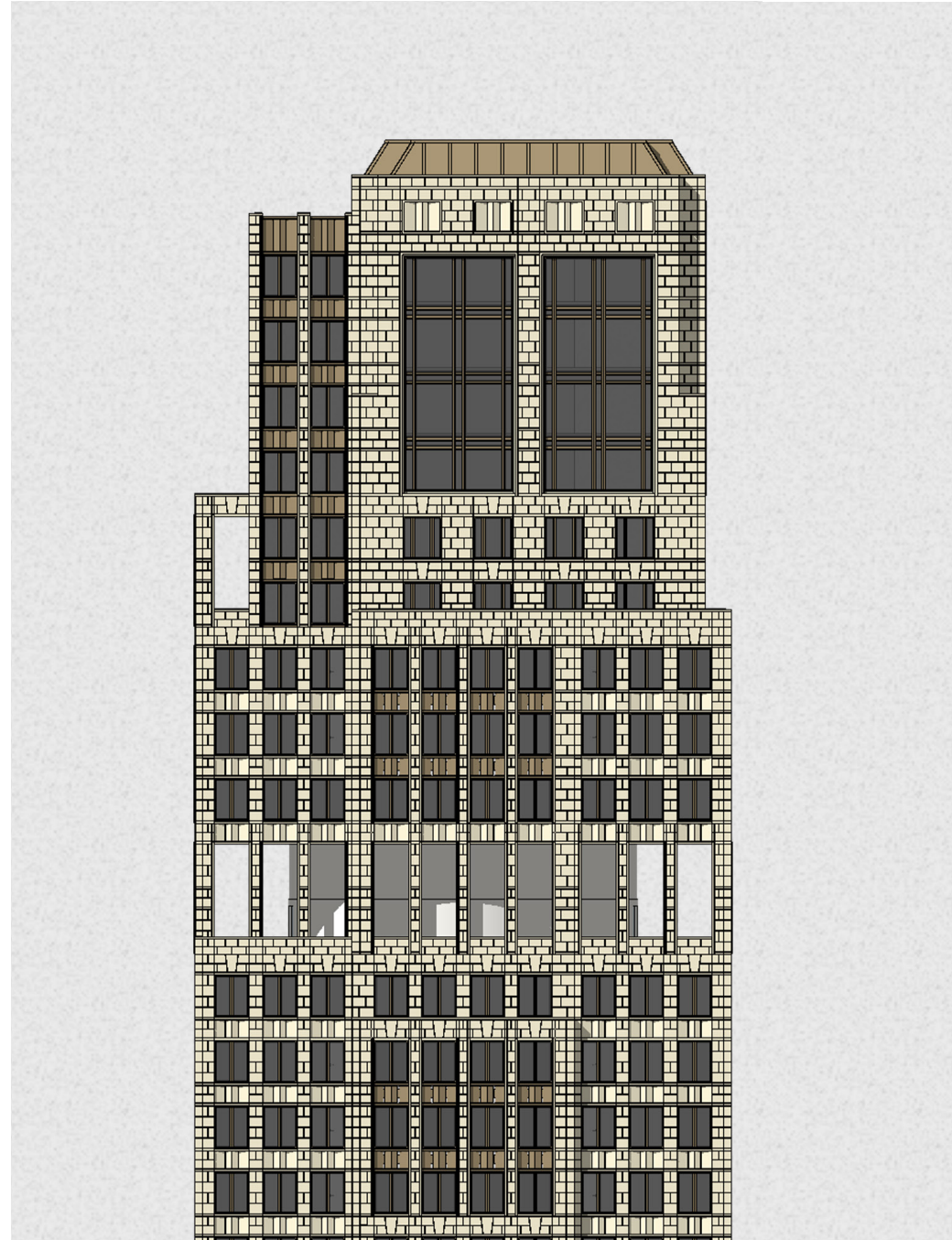
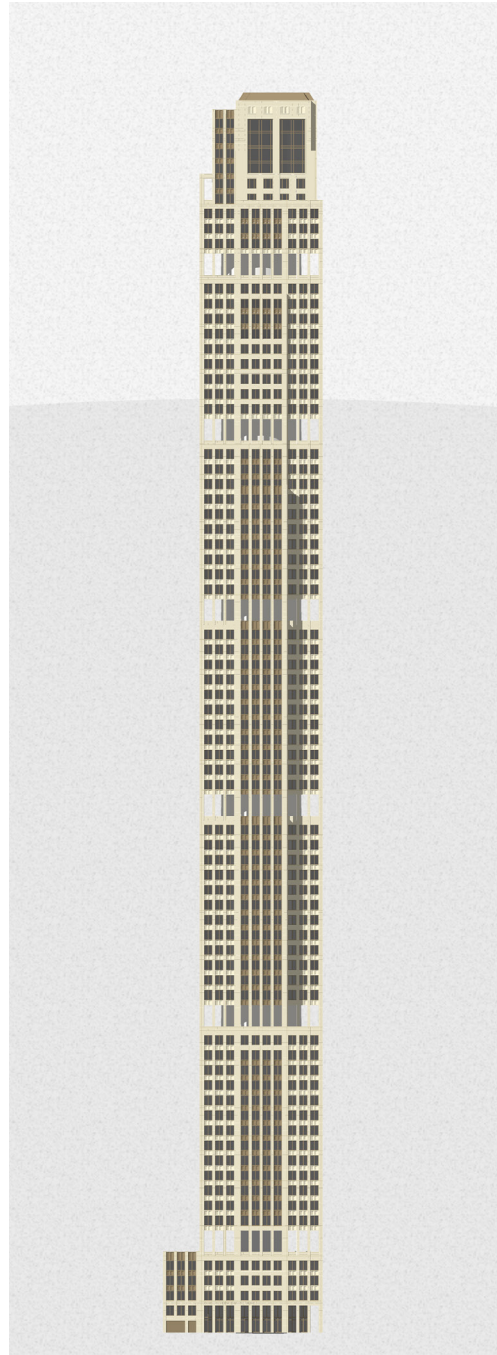
Section B: Longitudinal



ELEVATION FRONT



ELEVATION SIDE



FACADE MATERIALIZATION

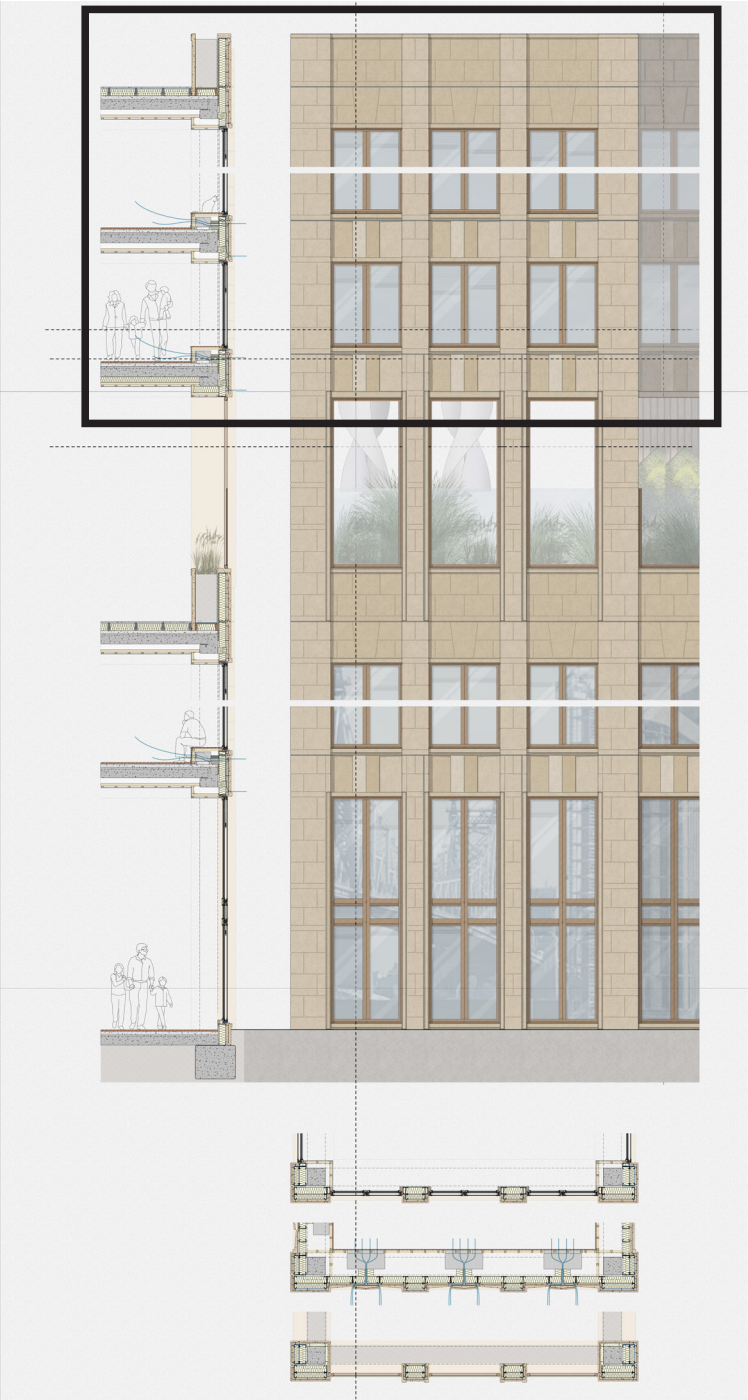


INTERIOR FRAGMENT



ENVELOPE FRAGMENT

Overview Complete Fragment

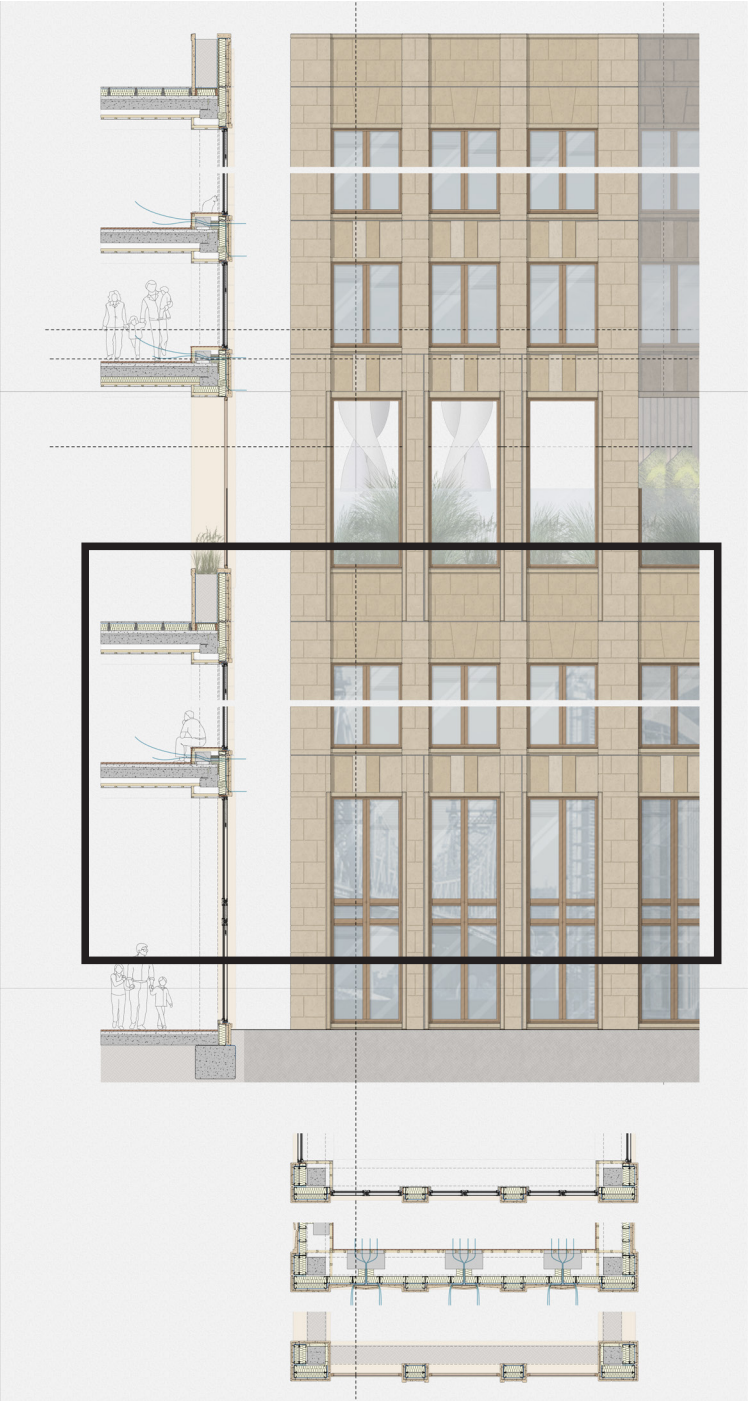


Zoom 1: Top Connection



ENVELOPE FRAGMENT

Overview Complete Fragment

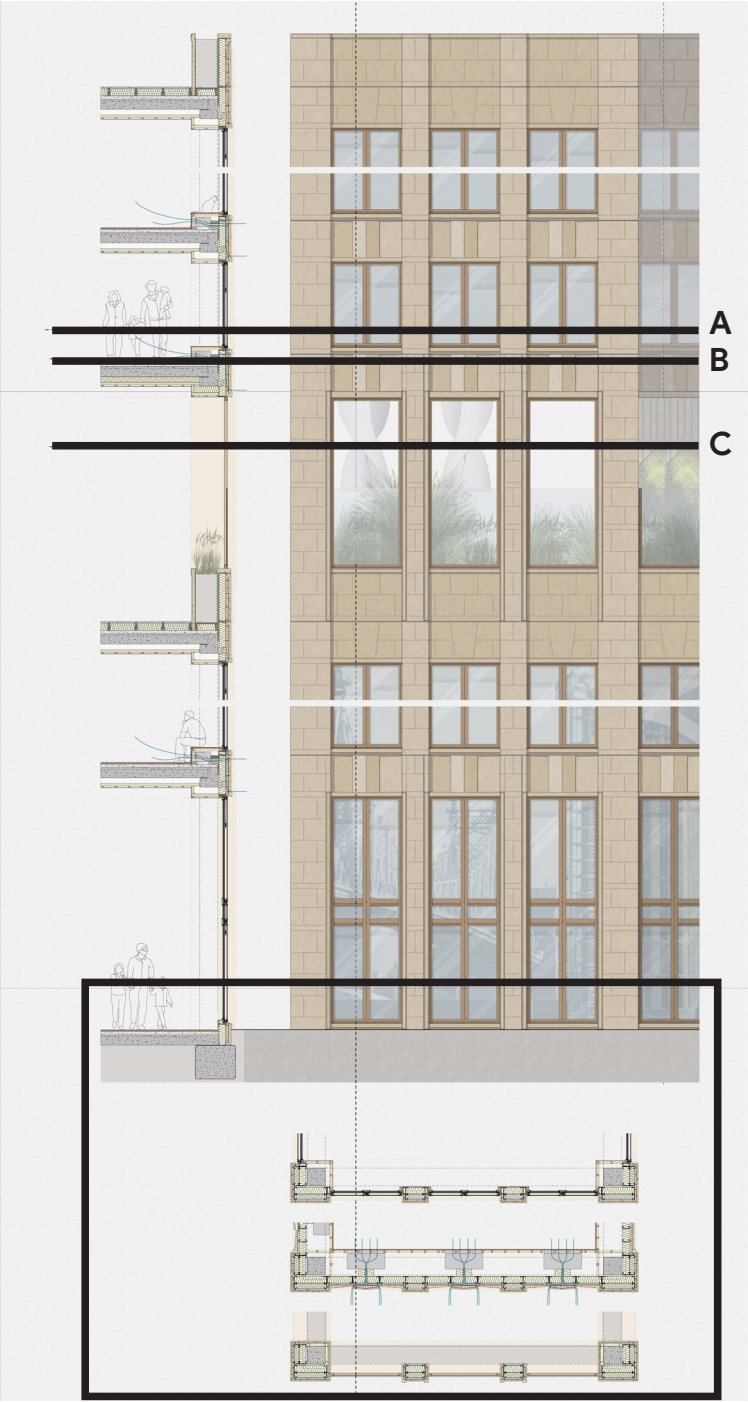


Zoom 2: Typical Panels

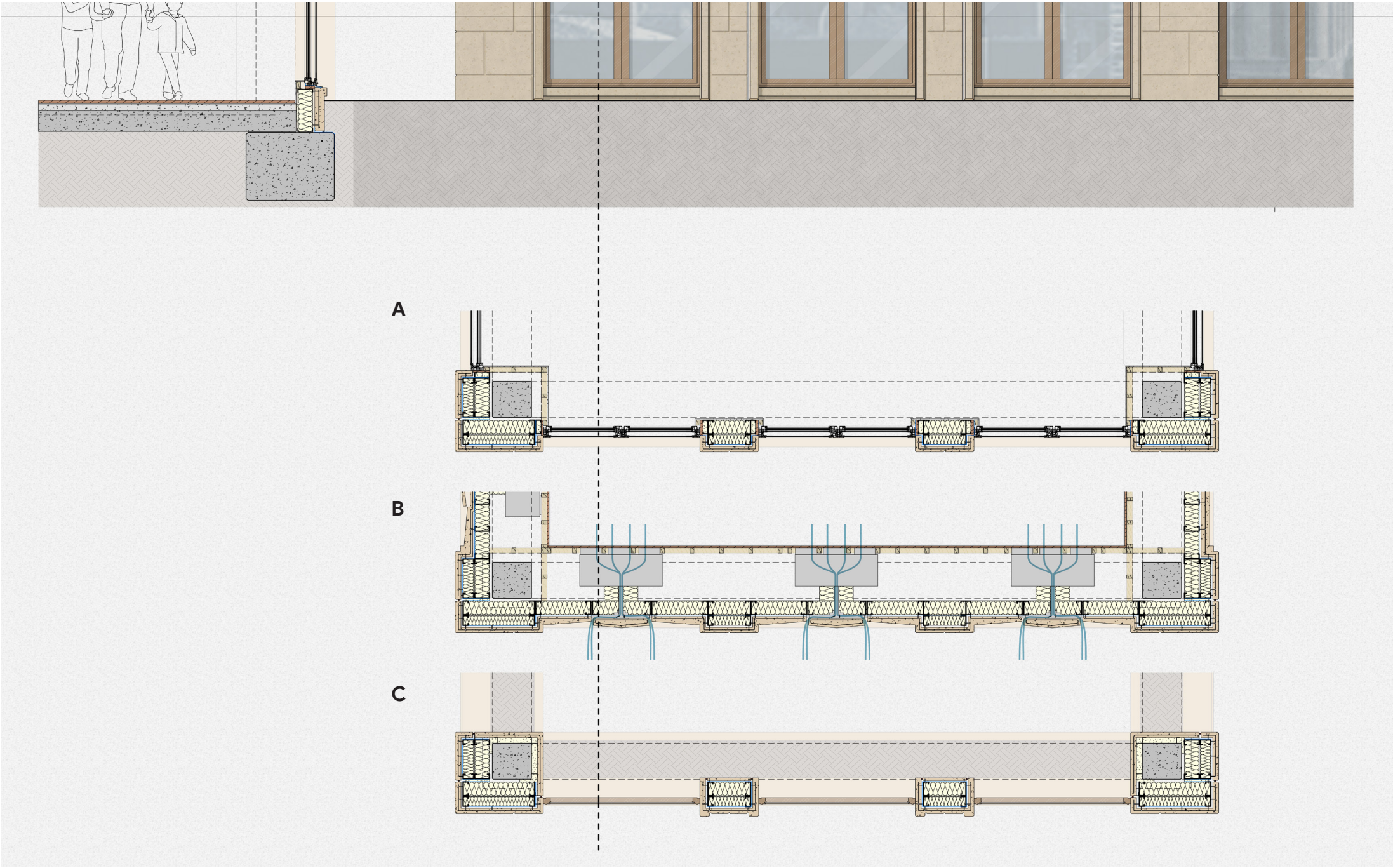


ENVELOPE FRAGMENT

Overview Complete Fragment

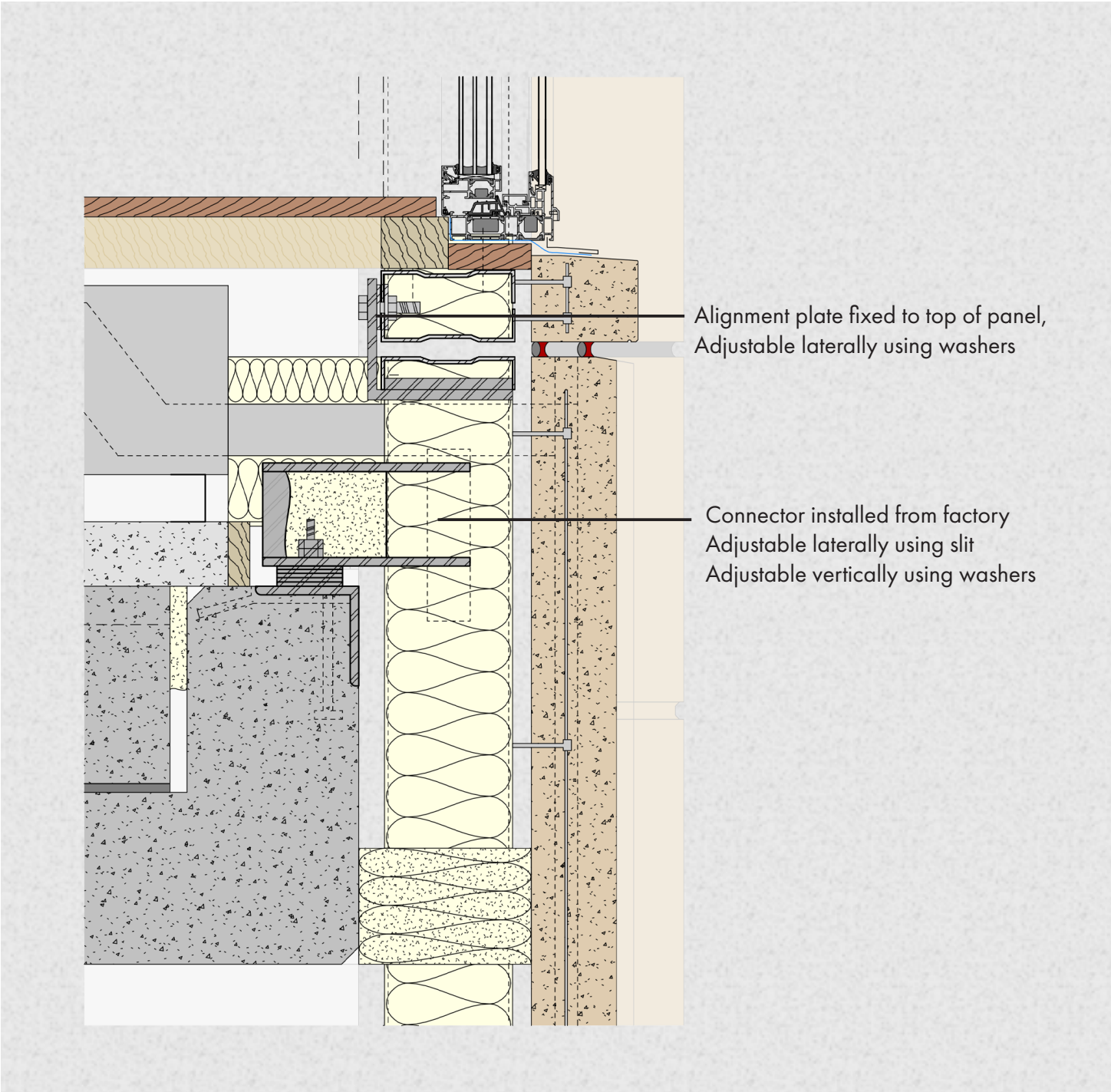


Zoom 3: Ground Floor Connection - Horizontal Sections

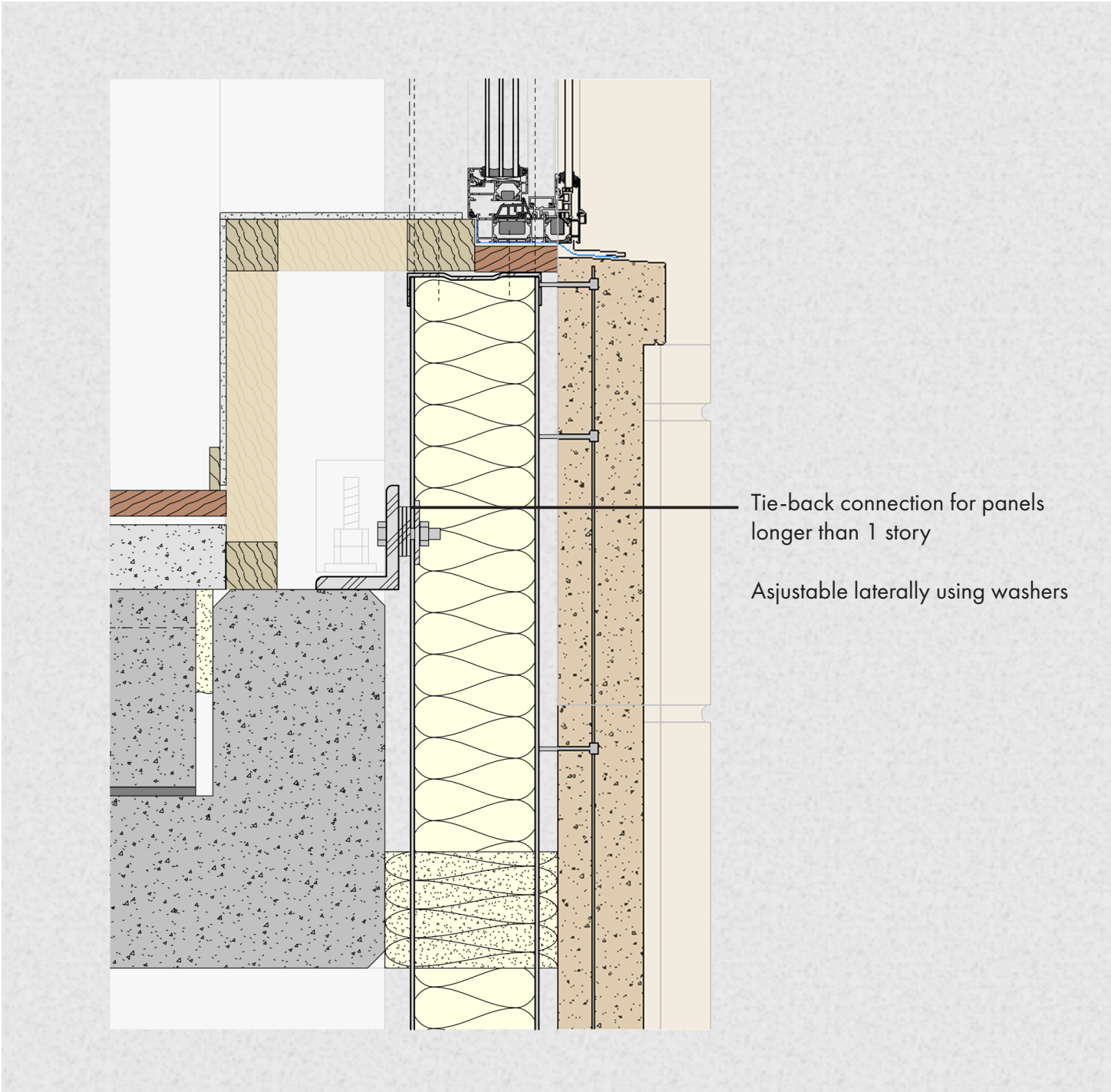


CONNECTION DETAILS

Load Bearing Panel Connection

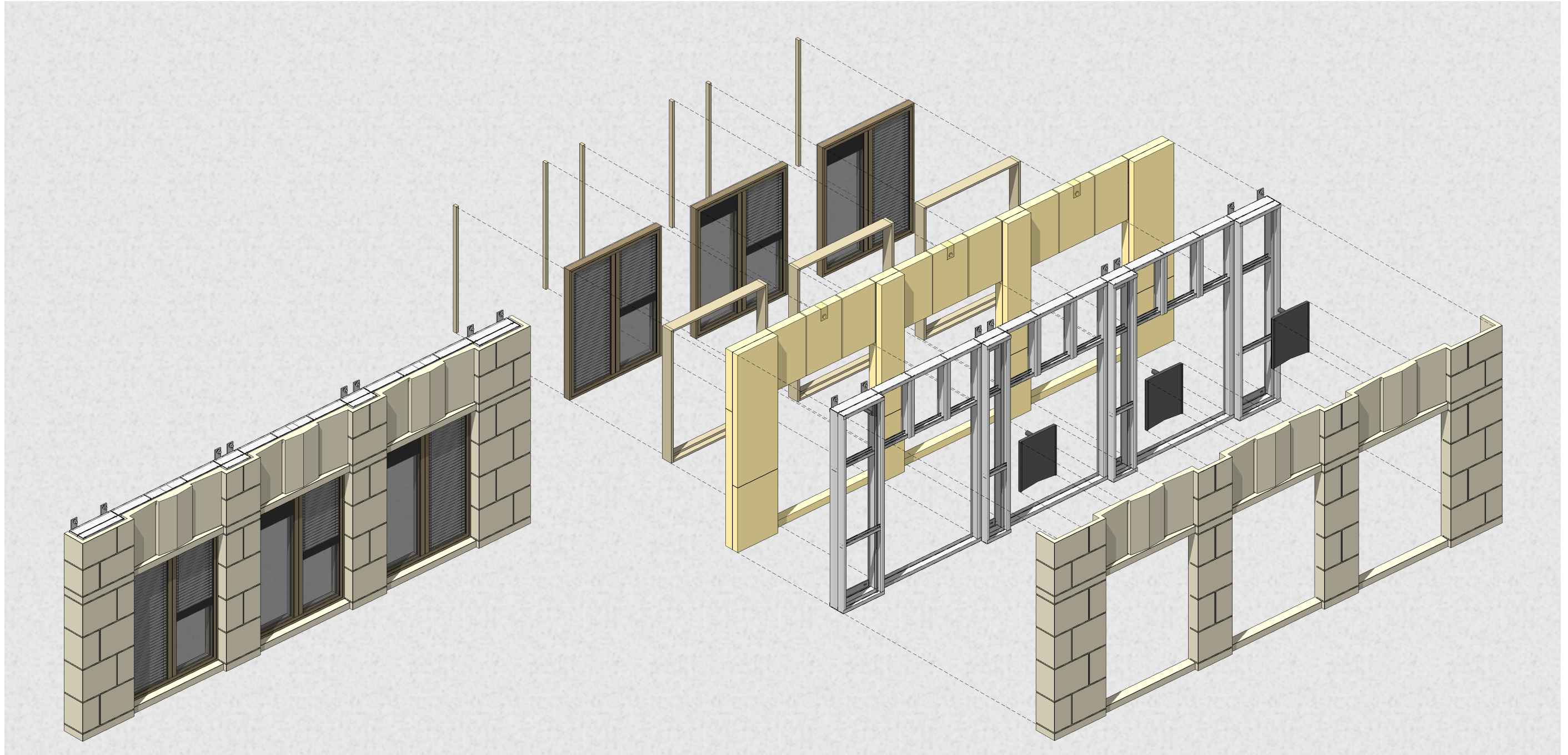


Tie - Back Panel Connection



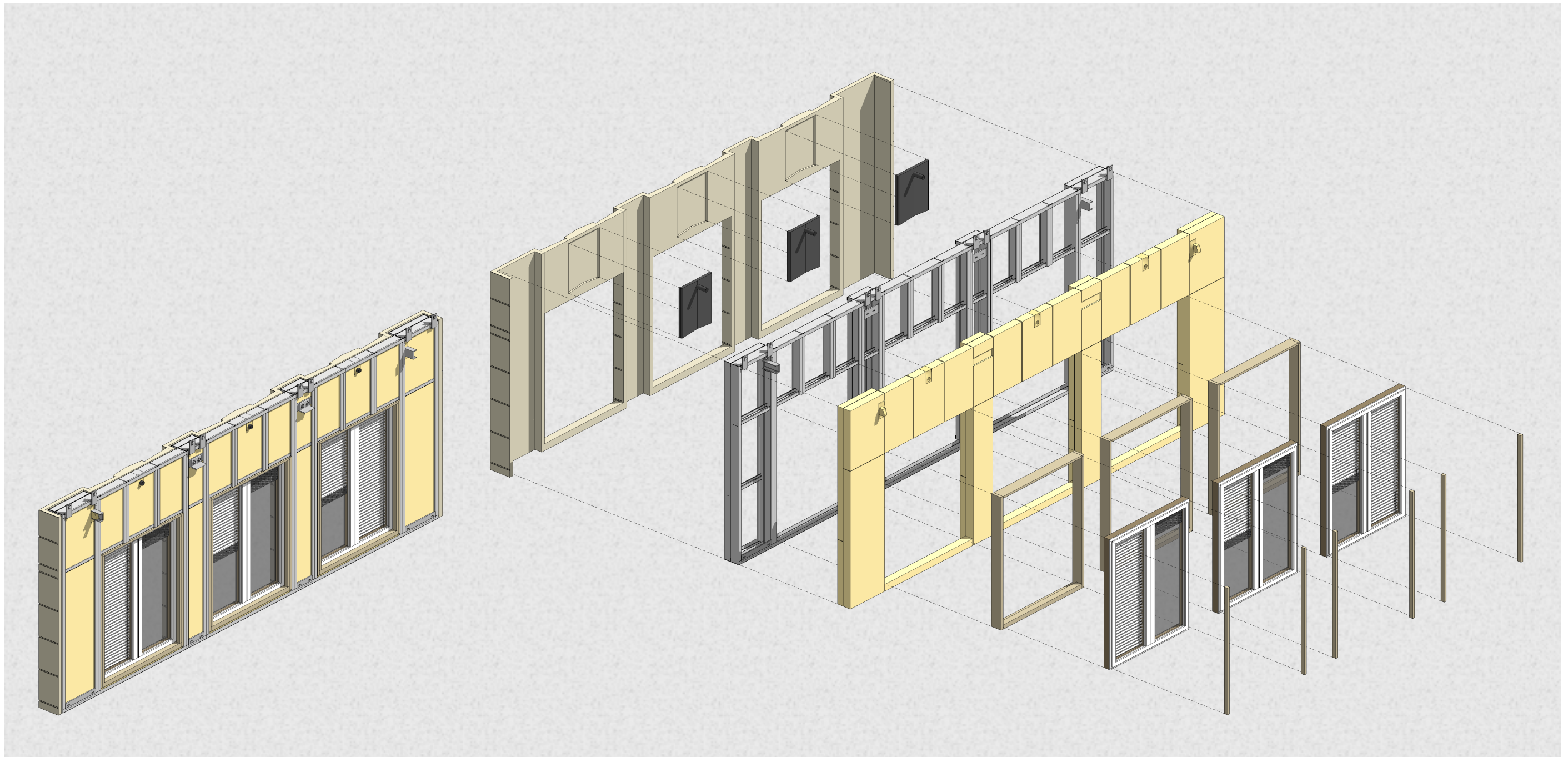
PRECAST FACADE PANEL - EXPLODED VIEW

Front

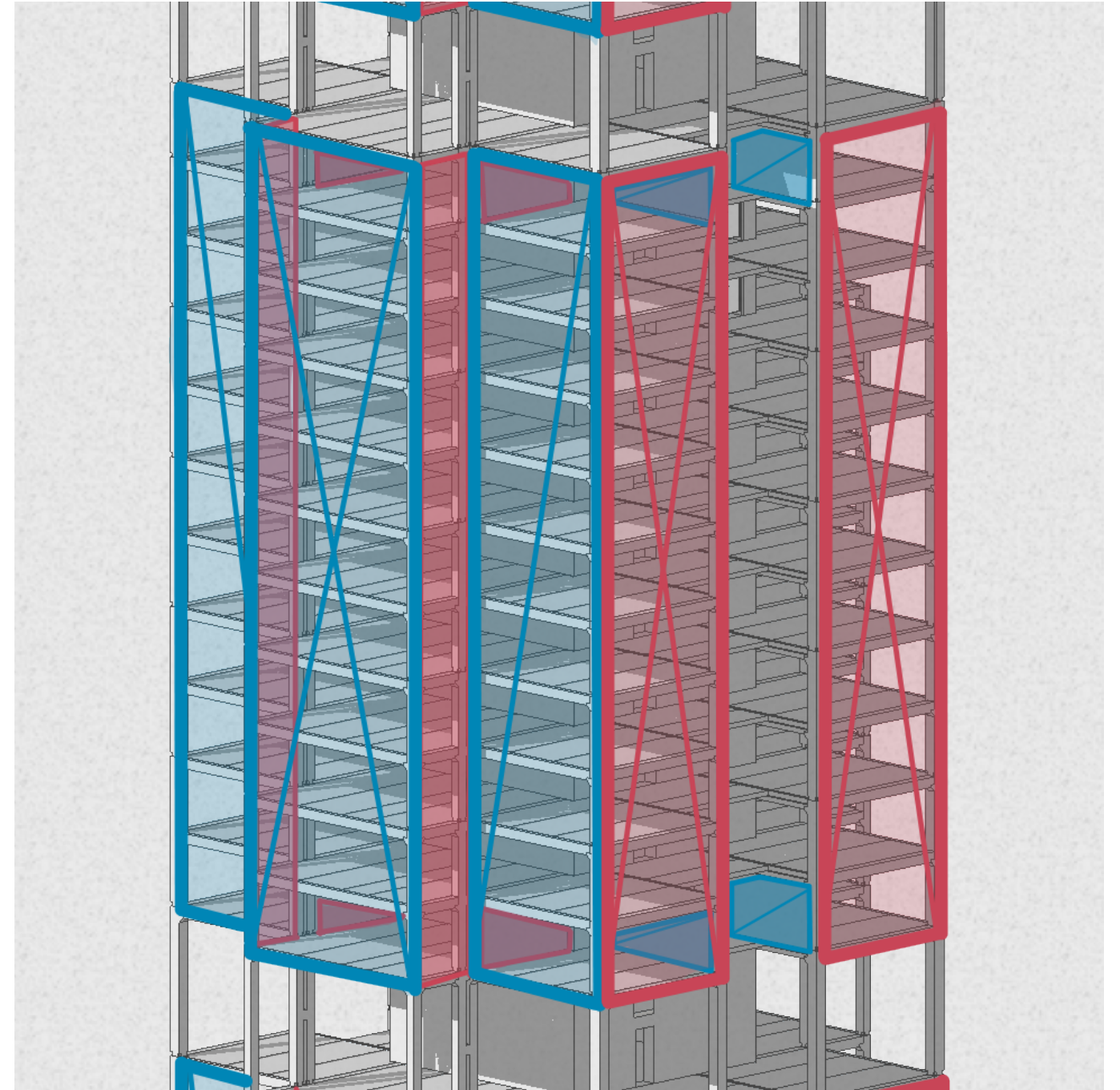
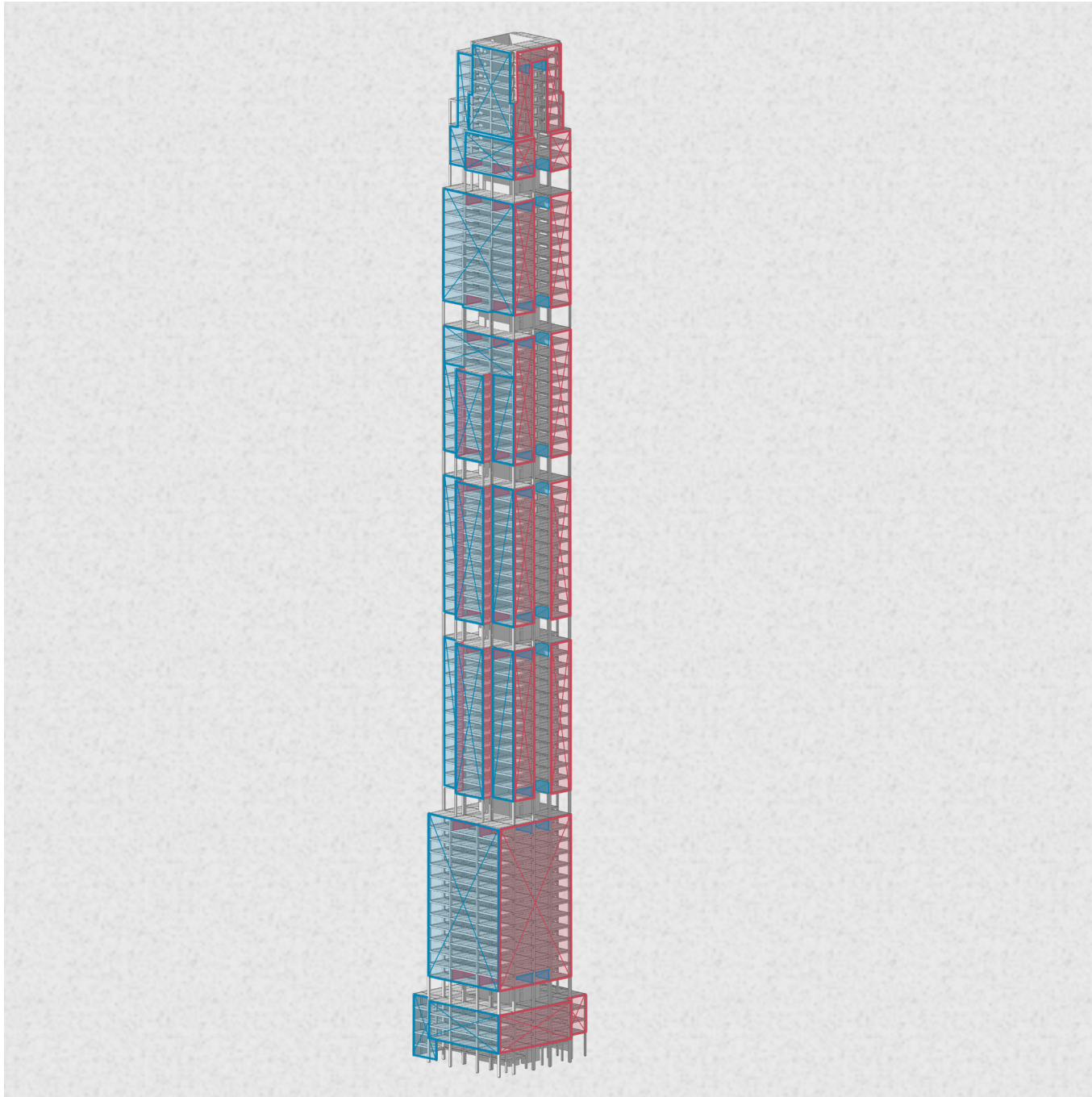


PRECAST FACADE PANEL - EXPLODED VIEW

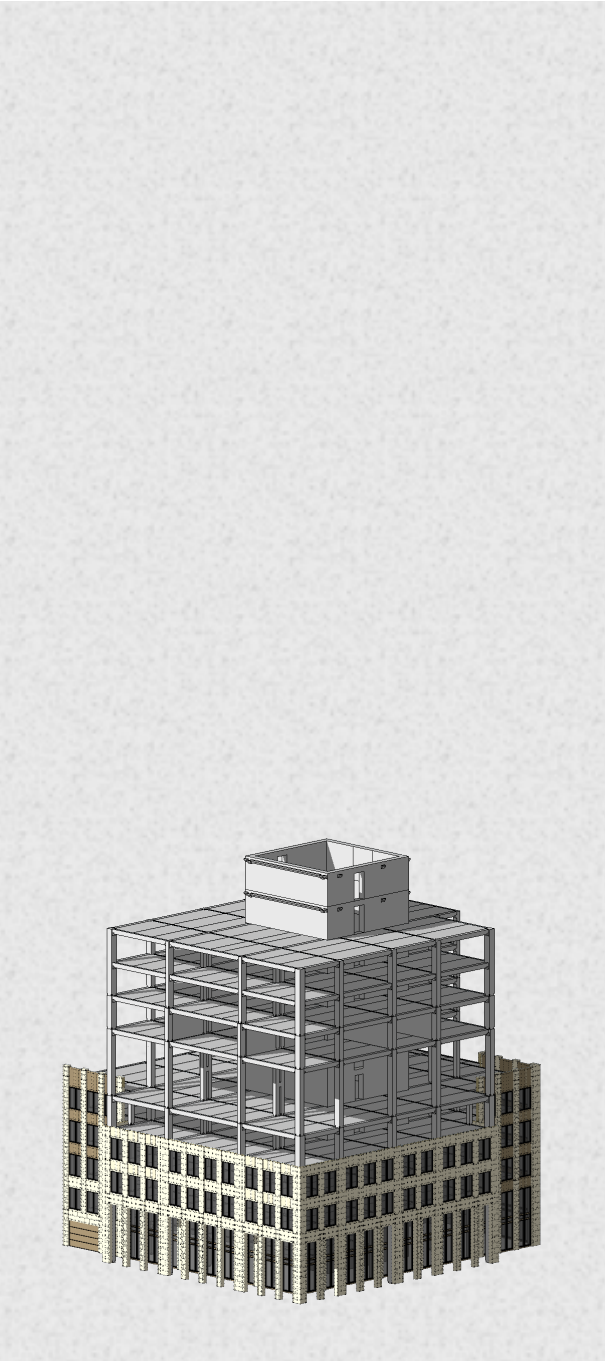
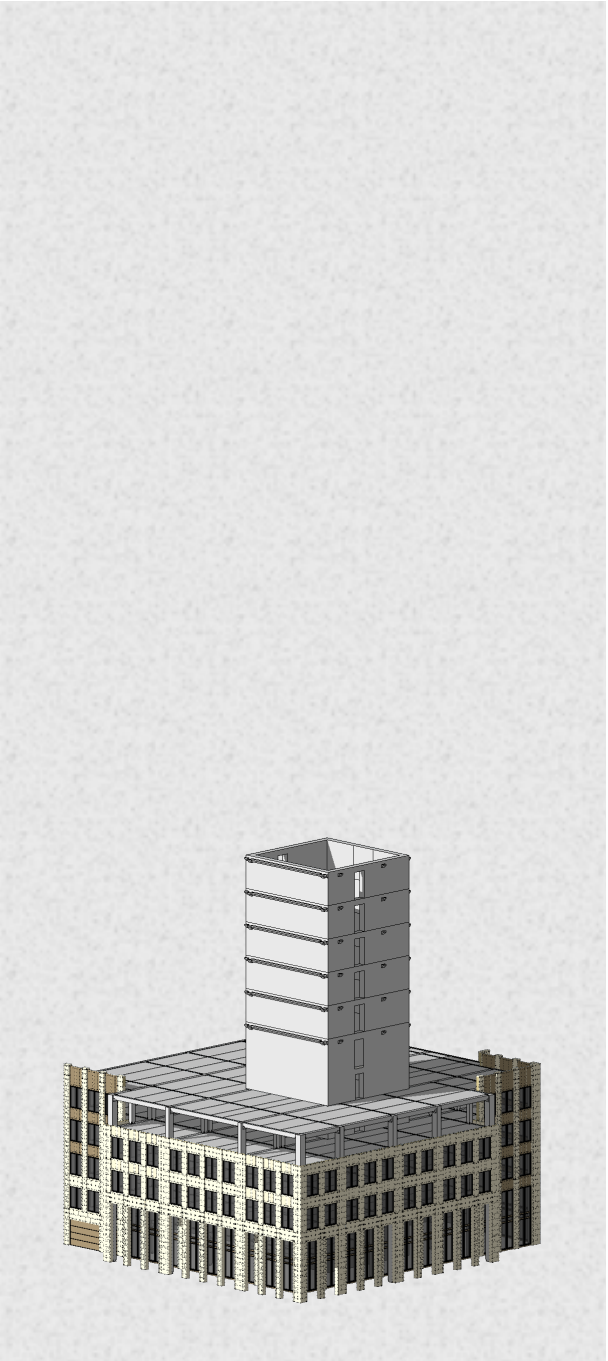
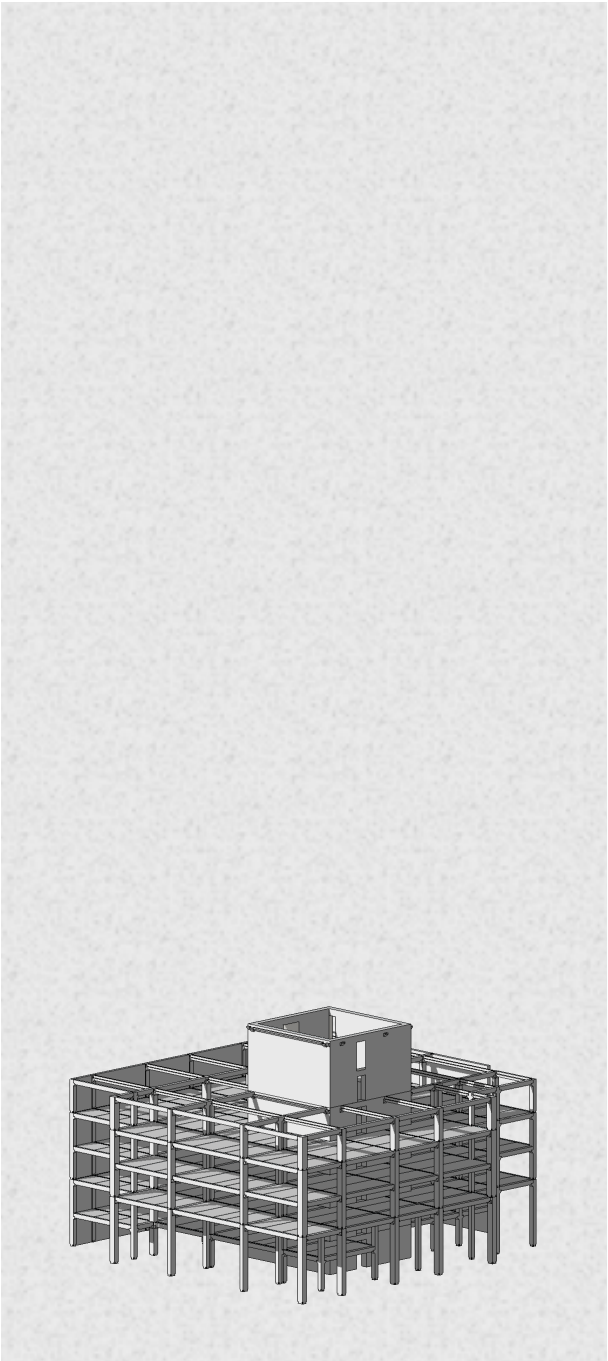
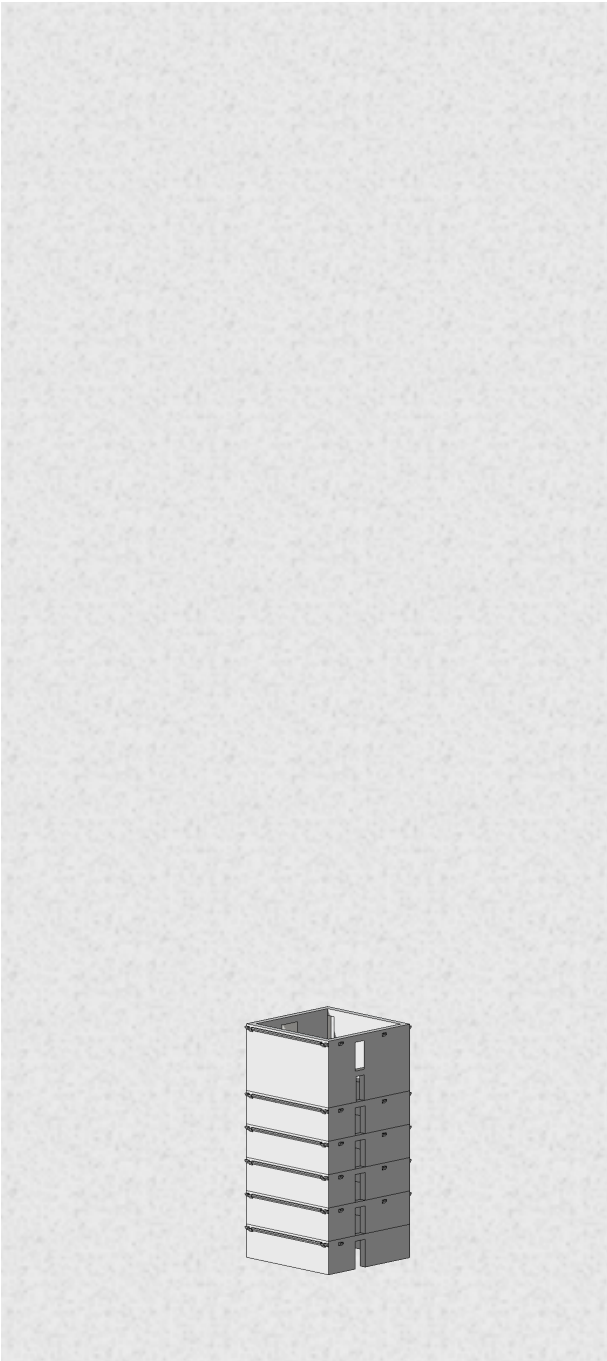
Back



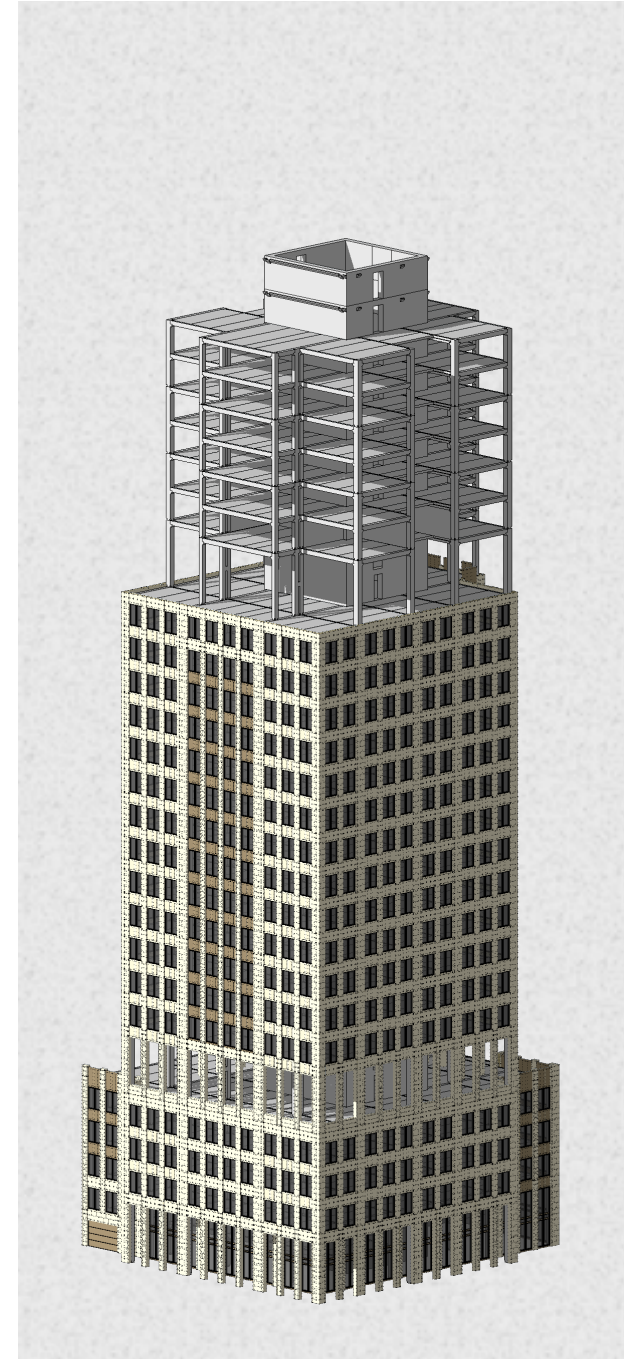
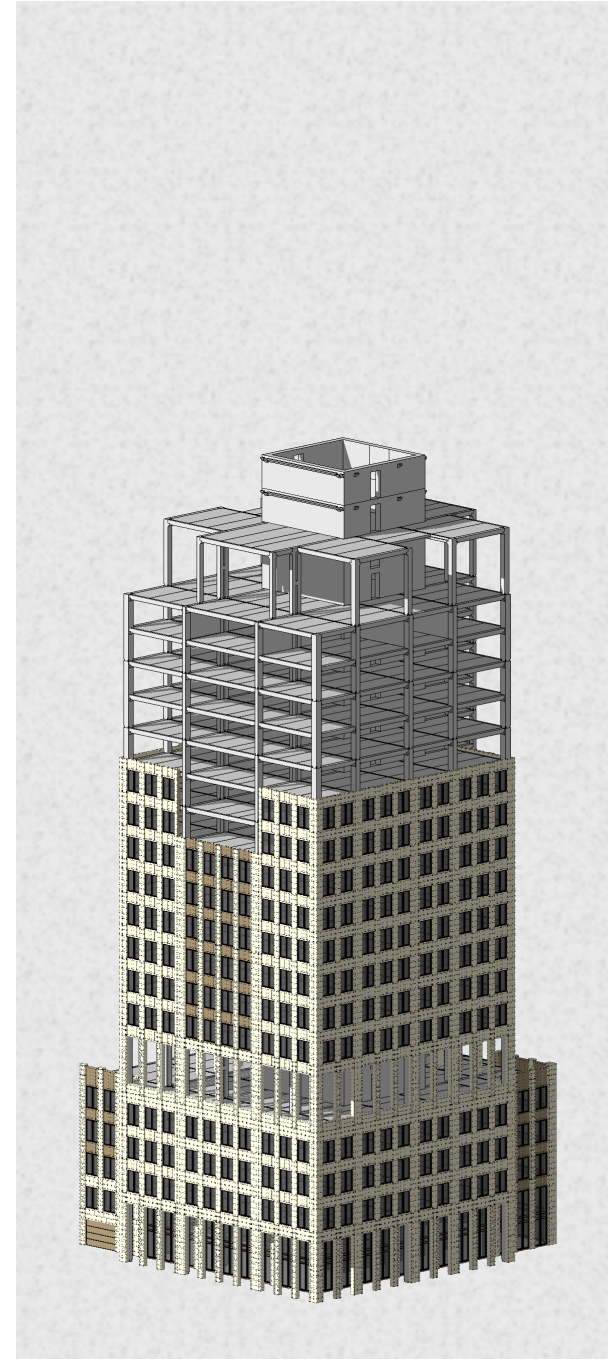
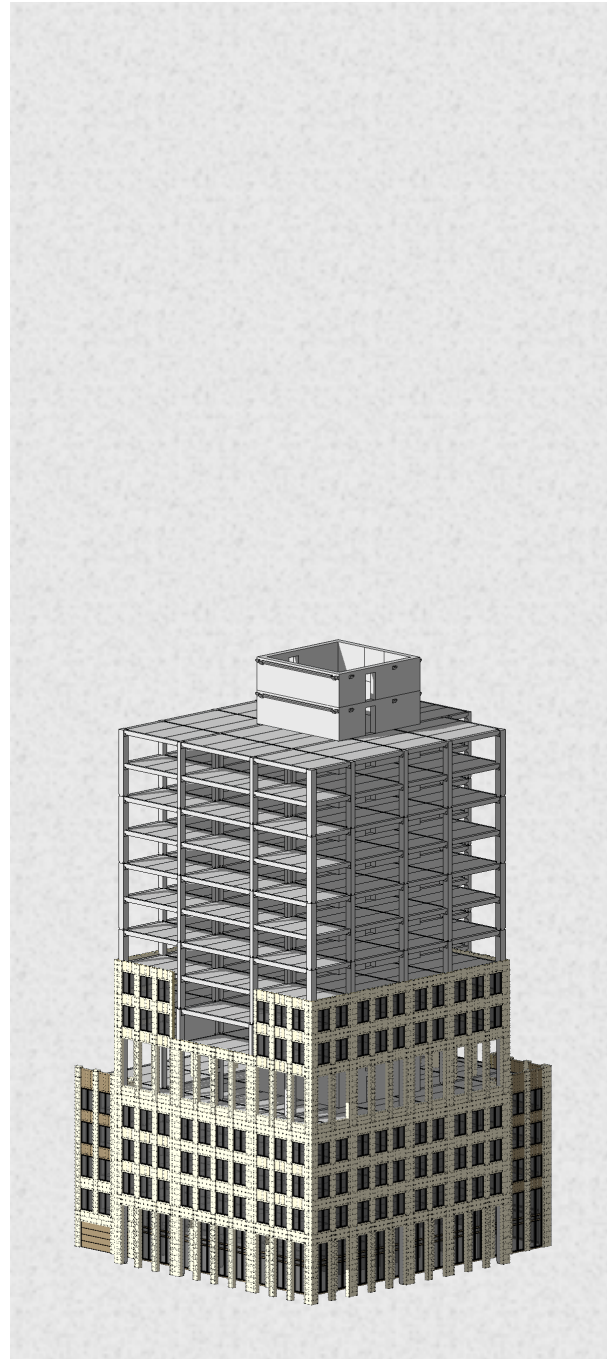
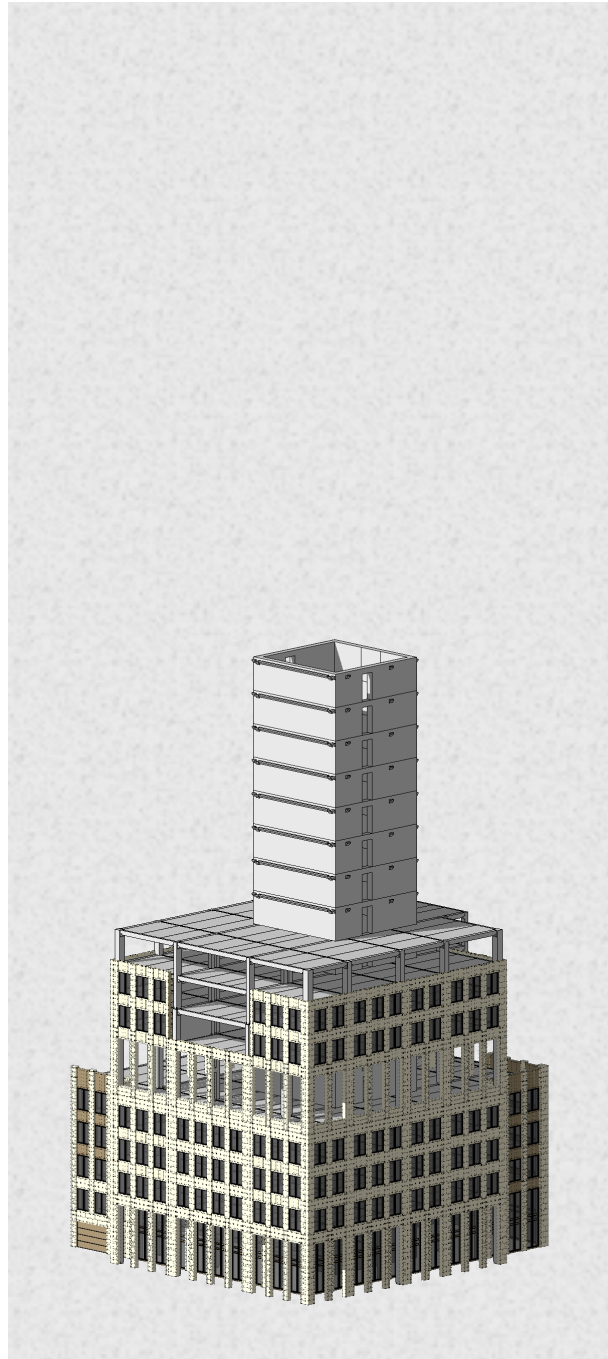
STRUCTURAL STABILITY



CONSTRUCTION



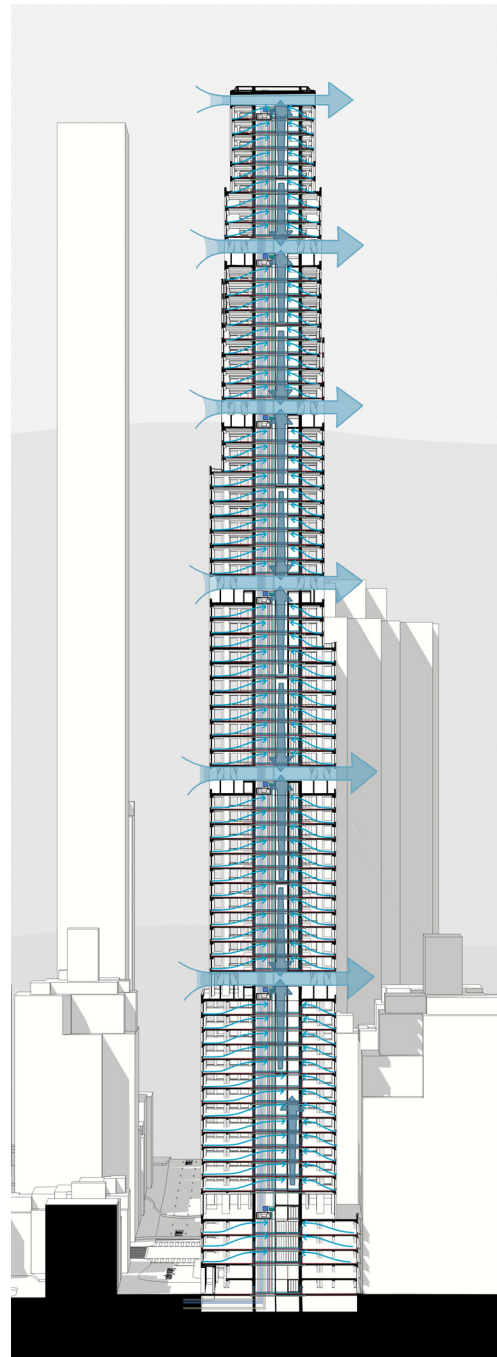
CONSTRUCTION



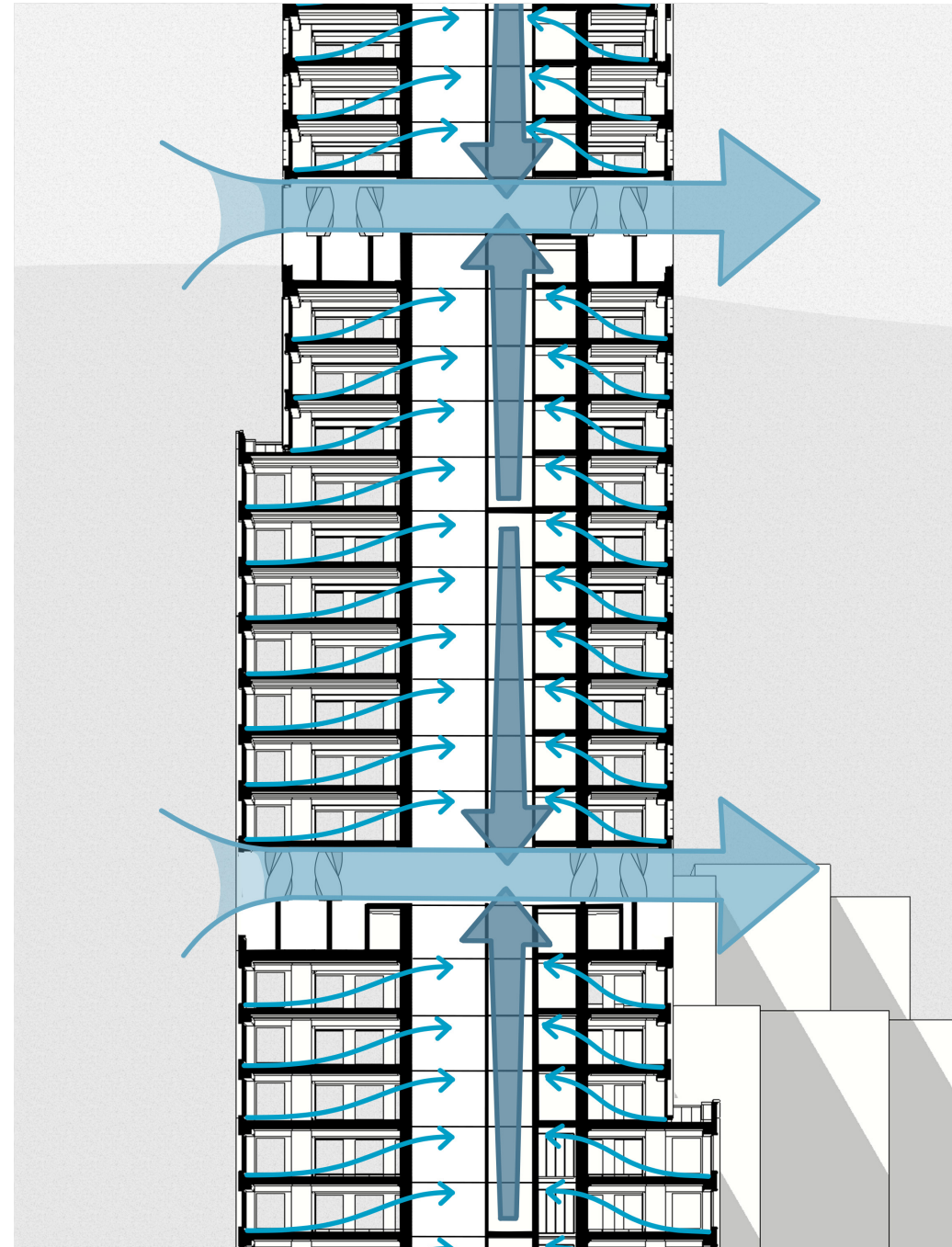
etc...

CLIMATE DESIGN

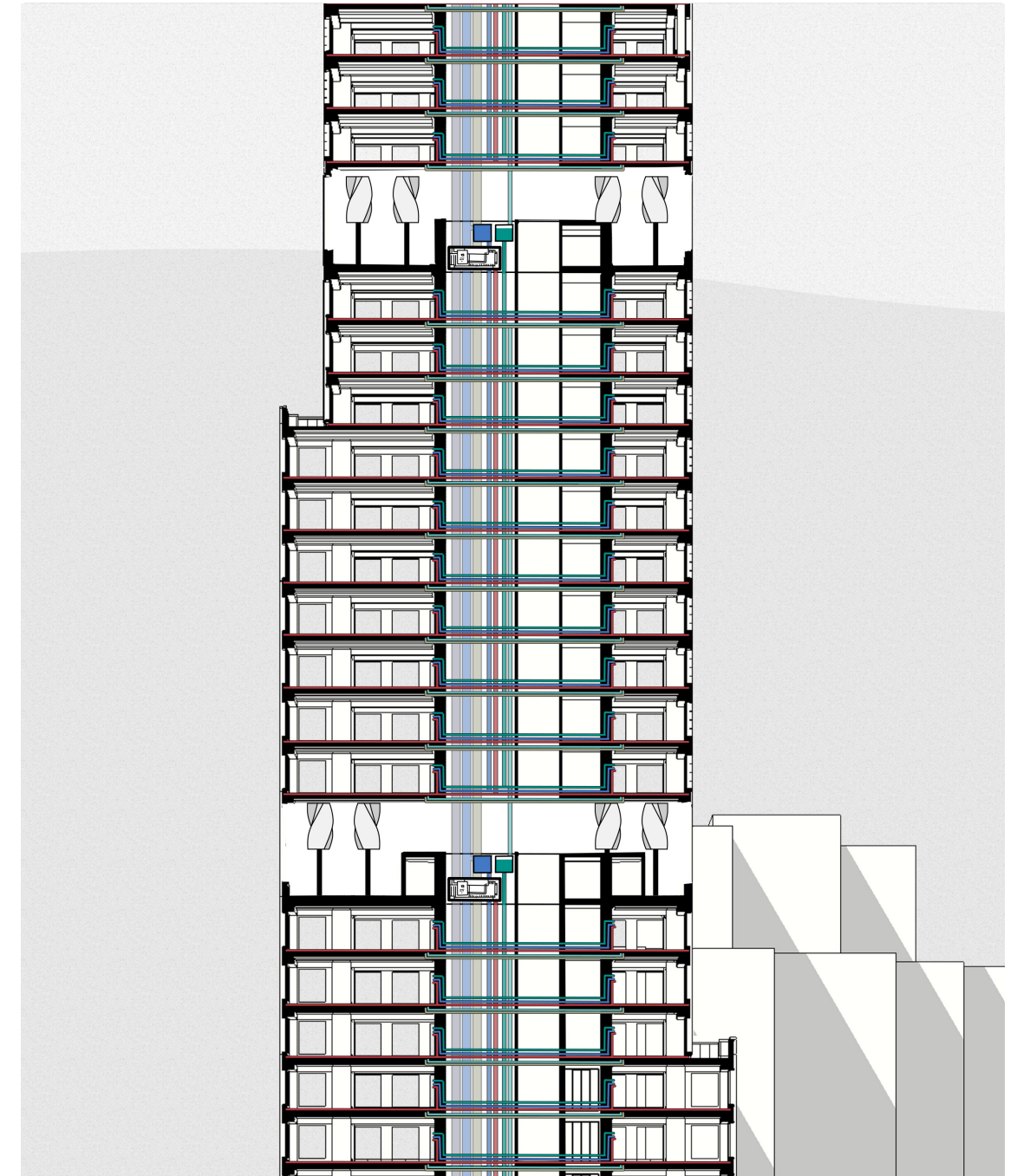
Complete



Zoom: Ventilation



Zoom: Water Management & Heating



VENTURI TUNNELS

