

267 O'CONNOR DESIGN BRIEF

PROJECT DESCRIPTION

Brief Description

The proposed development, consisting of two high-rise towers linked at grade, intends to provide a livable, resilient and dynamic site for Ottawa's Centretown community. The proposed development aims to not only supply additional housing to the area but also create a lively place for all users to congregate, enjoy a vibrant mix of retail and community uses, and engage with a thoughtfully designed public space, promoting social interaction and collective well-being

The development seeks to achieve these goals through aligning itse with the following contemporary urban design principles: mobility, nature, community, visual landmarks, and sustainability.

Mobility

The development aims to promote walkability by providing pedestrianfriendly connections, widened sidewalks, and improved streetscapes. Additionally, bicycle infrastructure, including secure storage aims to encourage active transportation. Ground-level retail and public spaces integrate seamlessly with the surrounding urban fabric, enhancing the site's overall connectivity.

Incorporation of green spaces such as the large, landscaped plaza, private rooftop amenity garden perched on the level 1 link, and tree-lined pathways intend to contribute to the site's urban biodiversity. Additionally, public seating, gathering areas, and a small performance stage surrounded by these natural elements create a welcoming environment for residents and visitors alike.

Community

The design fosters social interaction through accessible public spaces, community hubs, and cultural programming. Mixed-use components, including retail, residential, and recreational amenities, support a vibrant, 24/7 neighborhood. The potential for public art, and community events within the P.O.P.S aim to strengthen the cultural identity of the area.

Visual Landmarks

The staggered heights of the two-tower configuration creates a distinct silhouette, intending to enhance the Ottawa skyline without interrupting the designated view corridors. With a focus on innovative materials and a dynamic façade design, the project aims to ensure a visually striking landmark and a strong sense of place within the neighbourhood.

Sustainability

Further contributing to the landmark status of the project, the development seeks to include relevant and rewards sustainability measures. The incorporation of high-performance building systems, a focus on operational energy disclosure, consideration of the life-cycle assessment of construction materials and a thoughtful method of construction waste are currently being explored. Specifically, the two-tower site is considering the use of intelligent building systems, assessing the capacity for on-site renewable energy generation, looking to enroll in the Better Buildings Ottawa program, disclosing operation data to the City to accelerate the adoption of low carb building technologies, exploring alignment with certification programs such as LEED, and researching materials with a low carbon footprint to improve the life-cycle analysis of the site. While the City of Ottawa's High Performance Design Standards (HPDS) are not yet in effect, the proposed development will explore the HPDS in conjunction with the alternate sustainability measures being evaluated in relation to the site. The proponent will take under consideration the HPDS and attempt to implement any applicable measures.

Project Statistics

The proposed development consists of a total of 510 residential units, approximately 3000 sq.ft. of commercial/retail space at grade, an institutional use located at grade, and various types of interior and exterior

contain the north portion of the parking garage and north tower, while courtyard. This courtyard will serve as a year-round gathering space for phase two would follow, completing the southern portion of the parking both residents and the community, supported by interior commercial garage and the south tower.

The residential units anticipated in both phases include a diverse mix of and accommodate market demands. studios, one-bedroom, one-bedroom plus den, two-bedroom, and twobedroom plus den layouts, appealing to various demographics.

A total of 326 parking spaces are anticipated, located across four levels of below grade parking. Of these, 52 spaces are intended to be dedicated to visitors, providing a visitor parking ratio of 0.1. The remaining 274 spaces are intended for residential use to provide a 0.54 residential ratio. The development also prioritizes sustainable and active transportation and below grade, supporting cycling as a convenient and eco-friendly mode of transportation. Additionally, enhanced pedestrian connectivity to populations. nearby transit services further promotes walkability and reduced reliance on personal vehicles.

DESIGN DIRECTIVES

Summary of Zoning, Official Plan, and Urban Design Guidelines

In 2020, Taggart Realty Management submitted a planning application to the City of Ottawa to rezone this property from its existing commercial use to accommodate two residential rental towers of 28 and 30 storeys. development.

civic or national landmark. To meet this criterion, the proposal must make site in its larger residential context. significant and exceptional contributions to the public realm through space accessible all year round.

The development has been designed to align with the City of Ottawa's high-rise design guidelines. In particular, the massing has been broken down to create a distinct three-storey podium, a middle tower, and a top which integrated the mechanical penthouse, further enhancing the Ottawa skyline. Additionally, the tower forms have been distributed to mitigate sun shadowing impact to the surrounding neighbourhood.

Please refer to UDRP Report.

The proposed development at 267 O'Connor aims to create a futureproof community hub within Centretown. The proposal features a variety of unit typologies in the towers and upper levels of the podium, as well as a vibrant public space in the podium's lower level and courtyard. The design is deeply influenced by the existing heritage context of Centretown, particularly in the design of the podium. To better integrate with the surrounding neighborhood, we've broken up the overall massing. Centretown's materiality with warm, light brick textures. Arched details the traditional geometry often seen in Ottawa's heritage buildings. The pedestrian, streets, parking). O'Connor façade features double-height arches at the internal corners between the podium and towers create a human-scaled transition, further Area enhancing the design.

neighborhood's scale. The two panelized ceramic towers, spaced 20 Municipal Board hearing. meters apart, open up opportunities for views of Ottawa's skyline, nature,

and retail spaces. The two-tower approach also allows for phased development, enabling the project to progress incrementally over time

SITE, CONTEXT, AND ANALYSIS

Site Context

Located in Ottawa's Centretown neighborhood, 267 O'Connor Street sits at the intersection of O'Connor Street and Gilmour Street, within a highly urbanized and mixed-use environment. Centretown is a vibrant options by incorporating interior and exterior bicycle parking at grade area known for its blend of residential, commercial, and institutional uses, offering a dynamic setting that supports both living and working

Originally, in the 1920's, the neighborhood was primarily characterized by single family homes. The site didn't see its first change until the 1950s where the homes at the corner of O'Connor and MacLaren were demolished and replaced with an office building. The lots at the corner of O'Connor and Gilmour were converted to a parking lot. Gradually, the adjacent sites to the west were acquired to accommodate the additional demand for incorporation of light-coloured masonry materials. vehicular parking. A new addition was added to the office building in the early 1970's to accommodate the demand for office space. Since then, the site has retained its use as an office building, and a surface parking This proposal necessitated an Official Plan Amendment and leverages lot. The existing six-storey office building has hosted various tenants, but the Centretown Landmark Building policy to permit the proposed in our recent history, it has been primarily occupied by medical services. Key Uses, Destinations, Spatial Elements in the Surrounding Area These services have been welcomed by the community and were seen by many as a local asset. In recent years, however, the building has seen The Centretown Community Design Plan allows for increased building an increased vacancy rate, which has forced the ownership group to re-

elements such as iconic architecture and include a publicly accessible. Today, the site is well-served by existing infrastructure and public. Dining and Entertainment: The vicinity offers a diverse selection of space comprising at least 40% of the property's area. Taggart's proposal transit, with easy access to major roadways such as the Queensway restaurants, cafes, and bars, catering to various culinary tastes and aims to fulfill these requirements by dedicating approximately 40% of the (Highway 417) and key north-south arterial routes, including O'Connor preferences. site to public open space featuring greenery, seating, and activity areas, and Bank Streets. Its central location positions it within walking distance thereby creating a focal point for the neighborhood. An institutional of numerous amenities, including retail shops, restaurants, parks, and Parks and Recreation: Residents can enjoy nearby green spaces such as offering at grade, located in phase one will also provide a community cultural institutions. The site is also in proximity to federal government offices and other employment hubs, making it a strategic location for for leisure and outdoor activities. high-density development.

Architecturally, the surrounding context consists of a mix of heritage buildings, mid-rise apartment complexes, and modern high-rises, reflecting Centretown's evolution over time. The area has been subject to facilitating convenient travel across the city. intensification efforts, with new developments integrating contemporary maintain a 20m separation, allowing for natural light to enter all units, and urban design principles while respecting the historic character of the Shopping and Services: A variety of retail stores, grocery outlets, and neighborhood.

Response to Urban Design Directions and Preconsultation Meetings As part of Ottawa's Downtown Core, the site is also influenced by broader urban planning objectives, including the promotion of transitoriented development, pedestrian-friendly streetscapes, and enhanced public spaces. Given its location in the National Capital, any proposed redevelopment must align with both municipal and federal urban design guidelines, ensuring a balance between growth, heritage conservation, and community livability.

Please refer to the remainder of the document for photographs, diagrams, maps and text pertaining to the site; perspective images The podium reaches the typical height of nearby buildings and reflects to and from the site; a diagram indicating the proposal's ability to protect the view corridor; microclimate conditions; urban patterns; distinguish the podium from the towers, grounding the architecture in street characteristics; and mobility networks (transit, cycling,

of the courtyard, marking the site's entry point. Intermediate setbacks Built and Natural Heritage Assets on Site and within the Adjacent

267 O'Connor Street is located within Ottawa's Centretown Heritage Conservation District (HCD), an area recognized for its significant cultural Additionally, the development features two towers of varying heights, and historical value. The Centretown HCD was designated in 1997 designed to reduce the overall massing and align more closely with the under By-law 269-97, with boundaries established following an Ontario

amenity spaces. It is intended that phase one of the development would and landmarks, while also providing space for a vibrant public green. Developed primarily between 1890 and 1914, Centretown is one of Ottawa's oldest residential neighborhoods, closely linked to the city's role as the national capital. Its proximity to Parliament Hill made it a desirable

> The district showcases a diverse range of architectural styles, including large architect-designed houses along Metcalfe Street leading to the Victoria Memorial Museum (now the Canadian Museum of Nature). This variety reflects the area's historical development and its association with prominent figures in Ottawa's history.

In 2022, the City of Ottawa adopted a new Heritage Conservation District Plan for both the Centretown and Minto Park HCDs to meet the requirements of the Ontario Heritage Act. This plan provides updated policies and guidelines to preserve the district's heritage attributes while accommodating appropriate development.

The heritage qualities surrounding 267 O'Connor Street contribute to the area's unique character, blending historical architecture with the evolving urban landscape.

characteristics found in Ottawa's downtown and Centretown, such as of incorporating bird safe measures to mitigate bird strikes and provide the prominent use of arches, deep, recessed facades at grade, and the bird-friendly building will be explored further throughout detailed design

Please also refer to the remainder of the document for reference images of heritage buildings providing critical context to the development.

267 O'Connor Street is situated in Ottawa's Centretown neighborhood, an area renowned for its vibrant mix of amenities. The location boasts heights on streets like O'Connor if the development qualifies as a true evaluate the viability of this asset and to reconsider the future use of the a perfect Walk Score of 100, indicating that daily errands can be accomplished without the need for a car.

Jack Purcell Park, Minto Park, and St. Luke's Park, providing opportunities

Transportation: The area is well-served by public transit, with several bus routes accessible within a short walking distance. Additionally, the Parliament O-Train station is approximately a 10-minute walk away,

essential services are located nearby, ensuring that residents have easy access to daily necessities.

Overall, the amenities surrounding 267 O'Connor Street contribute to a highly convenient and dynamic urban living experience.

Future and Current Development Proposals on Adjacent Properties/ Planned Functions of Adjacent Properties

As per the City of Ottawa's Development Applications website, several applications are currently active within a four block radius of 267 O'Connor. The proposals within this radius include:

- 311 Somerset and 234 & 236 O'Connor: 16 Storey mixed-use building, 140 units, 67 parking spaces
- 322 Waverly: Six storey residential building, 27 units. 96 Nepean: 27 Storey residential building, 201 units, 161 parking
- 359 Kent Street: 27 Storey mixed-use residential building, 289
- 381 Kent Street: Nine storey mixed-use residential building, 218
- 3 levels of underground parking
- below grade parking structure

178 Nepean and 219 & 223 Bank: Restoration proposal

Please refer to the future and current development proposals slide within location for housing the expanding civil service and various professionals. this document for a diagrammatic view of the anticipated growth within the neighbourhood.

DESIGN RESEARCH

Please refer to the remainder of the document for partis/sketches and precedent images; alternate site plans; alternate massing; design evolution; proposed massing in context; built form transtion between the proposed development and surrounding area; information pertaining to public realm; a street cross section; and the proposed sustainability strategy.

Bird Safety

The presence of the City of Ottawa's Bird Safe Guidelines, such as the inclusion of a bird-safe treatment to a minimum of 90% of the glass within the first 16 metres of building height is currently behind evaluated. Given The proposed podium design aims to reflect some of the unique the current context and desire to build housing, the economic viability

ADDITIONAL MATERIALS - APPENDIX

Please refer to the remainder of the document and any additional submission materials for the site plan, landscape plan, civil drawings, elevations, floor plans, wind analysis, shadow analysis, and Heritage Impact Statement.





Hobin Architecture Inc.



223 Mcleod: 18 Storey office building with retail on ground floor,

215 Mcleod: Four storey embassy building with a one storey







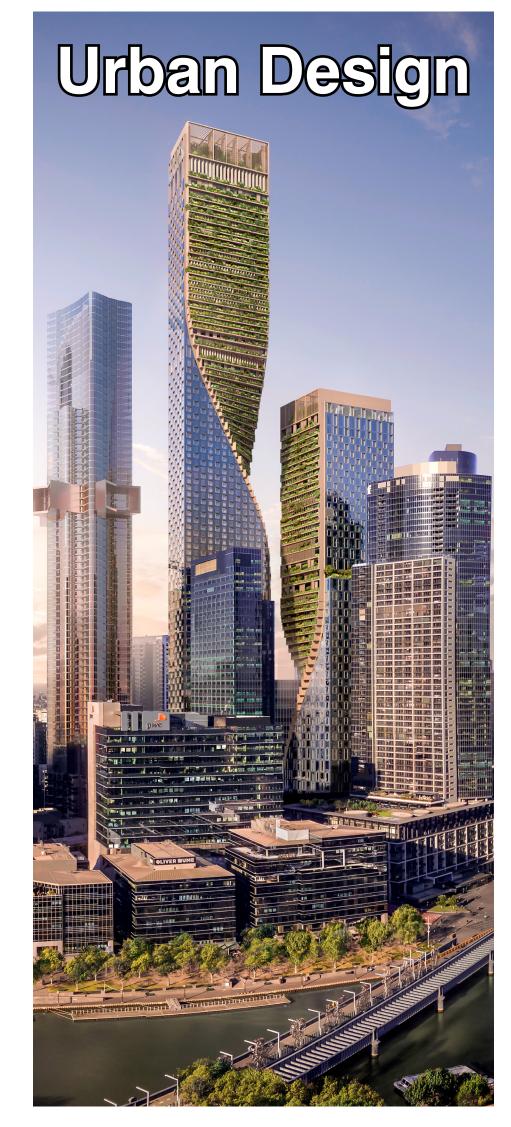
- _ UNStudio
- _ Vision
- _ Context Analysis
- _ Architectural Approach
- _ POPS
- _ Tower Approach
- 7_ Sustainability Approach



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UNSTUDIO



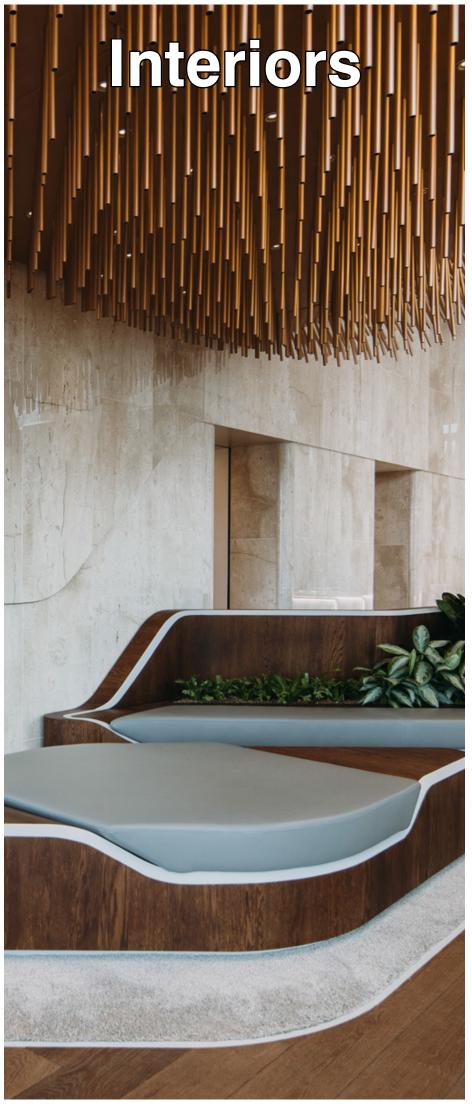
South Bank, Melbourne under construction



Chamartin Station, Madrid under construction



Raffles City, Hangzhou completed



Unstudio Tower Lobby, Amsterdam completed



Hardt Hyperloop, Hardt design

UNSTUDIO

Past and Current Projects



Mixed-Use





Residential















Infrastructural





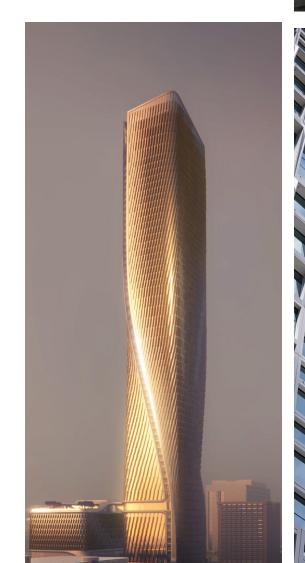






Educational

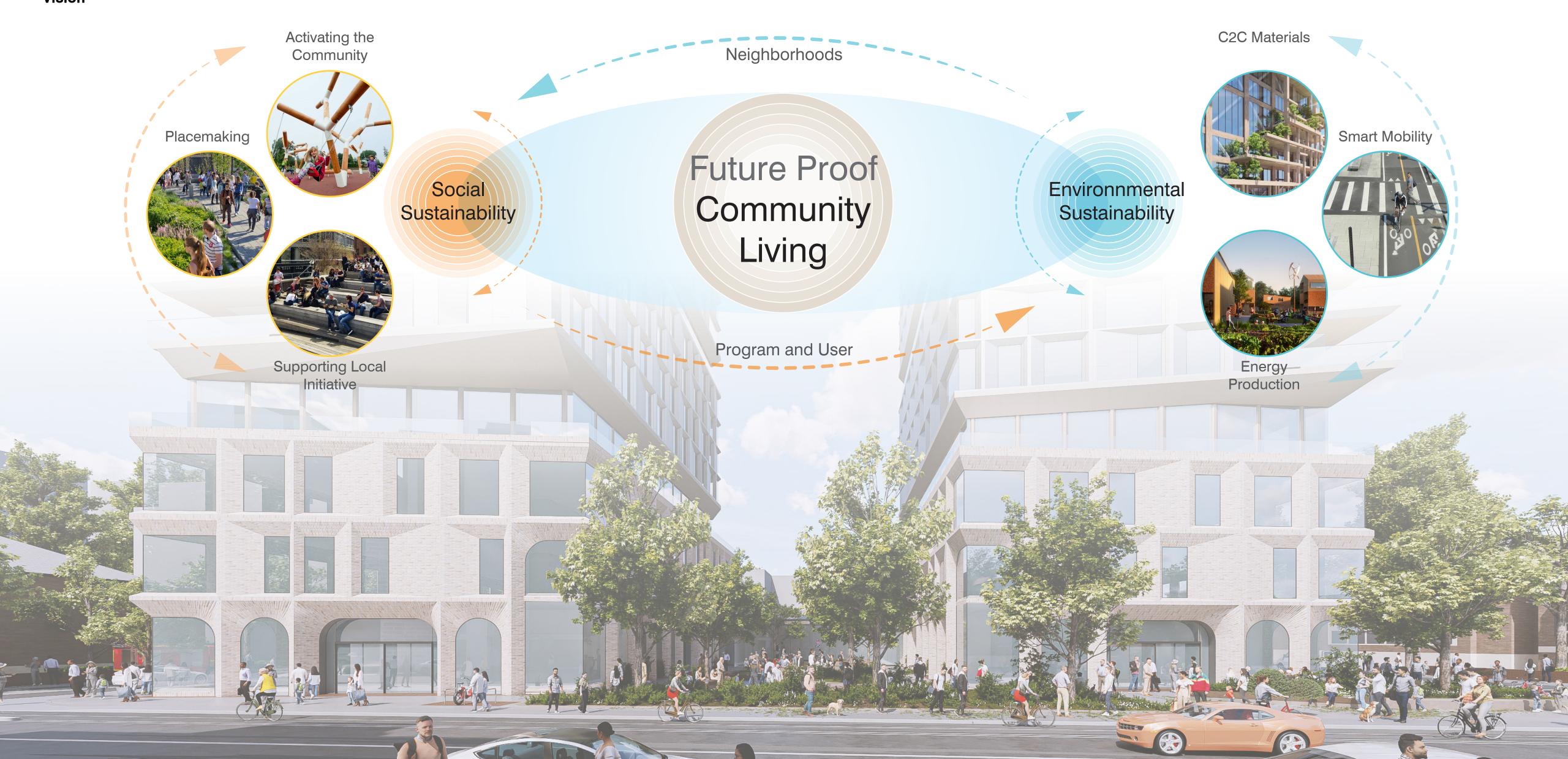




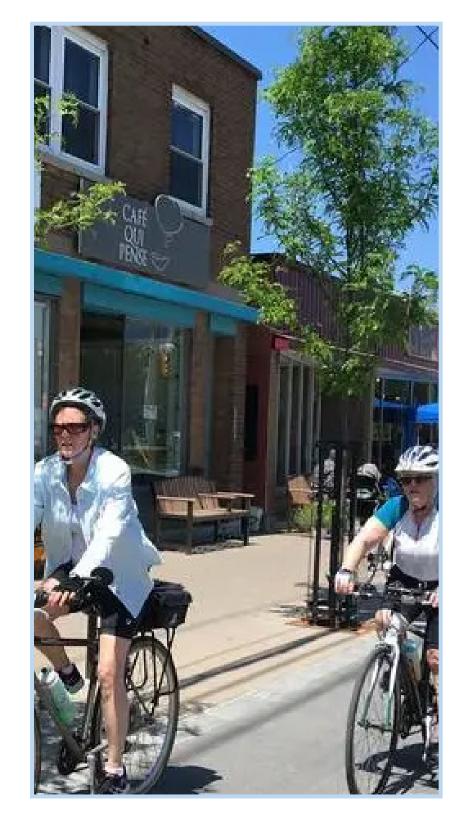
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Vision



Vision_Key Drivers



MOBILITY



NATURE



COMMUNITY

AIURE



VISUAL LANDMARKS



SUSTAINABILITY

- 1_ UNStudio
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Context Analysis_Centertown, Ottawa Downtown_high rise Northern Area_mid to high rise Rideau City Hall Parliament Hill, Courthouse Canal 267 O'Connor St Museum of Nature Central Area mid to low rise Residential Area_low rise,houses

Context Analysis_Future and Current Development Proposals on Adjacent Properties



Context Analysis_Centertown, Ottawa

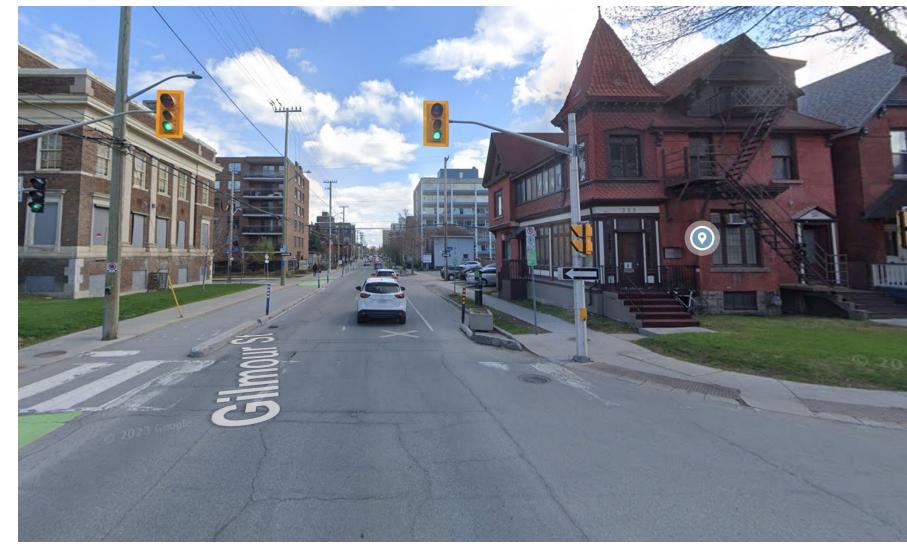


Bus Route Bike Lanes Pedestrian Flow Parks **Mobility and Circulation**

View Points

Context Analysis_Site Photos







Context Analysis_Centertown, Ottawa



Context Analysis Built and Natural heritage assets on site/adjacent sites

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The heritage qualities surrounding 267 O'Connor Street contribute to the area's unique character, blending historical architecture with the evolving urban landscape.

The proposed podium design aims to reflect some of the unique characteristics found in Ottawa's downtown and Centretown, such as the prominent use of arches, deep, recessed facades at grade, and the incorporation of light-coloured masonry materials.























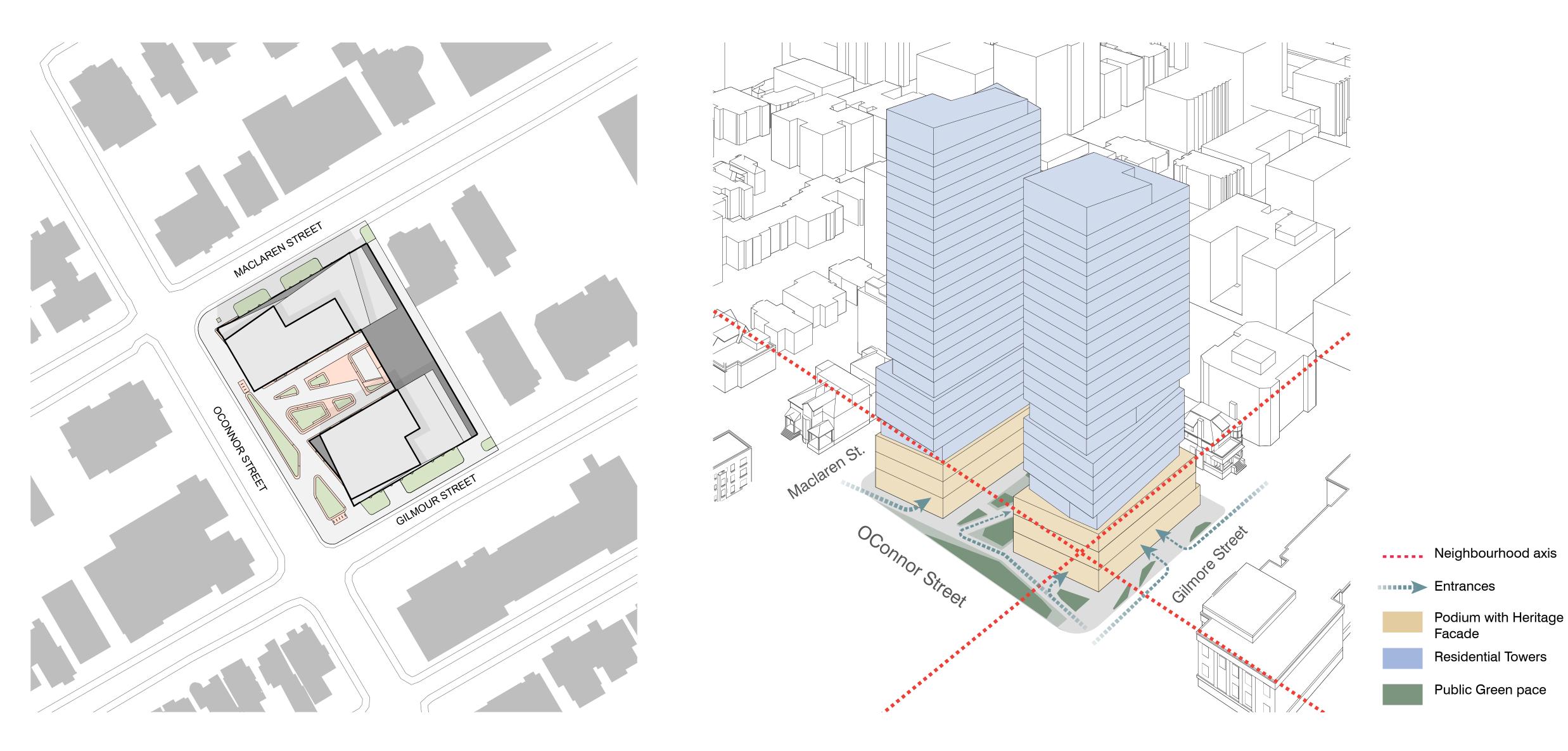




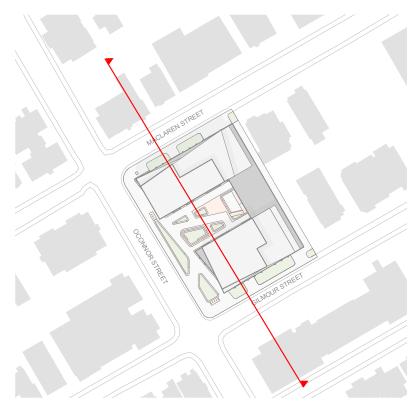




Context Analysis_Centertown, Ottawa

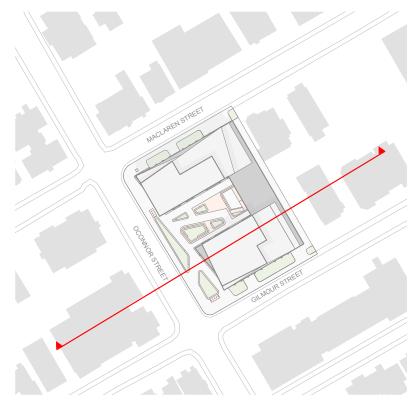


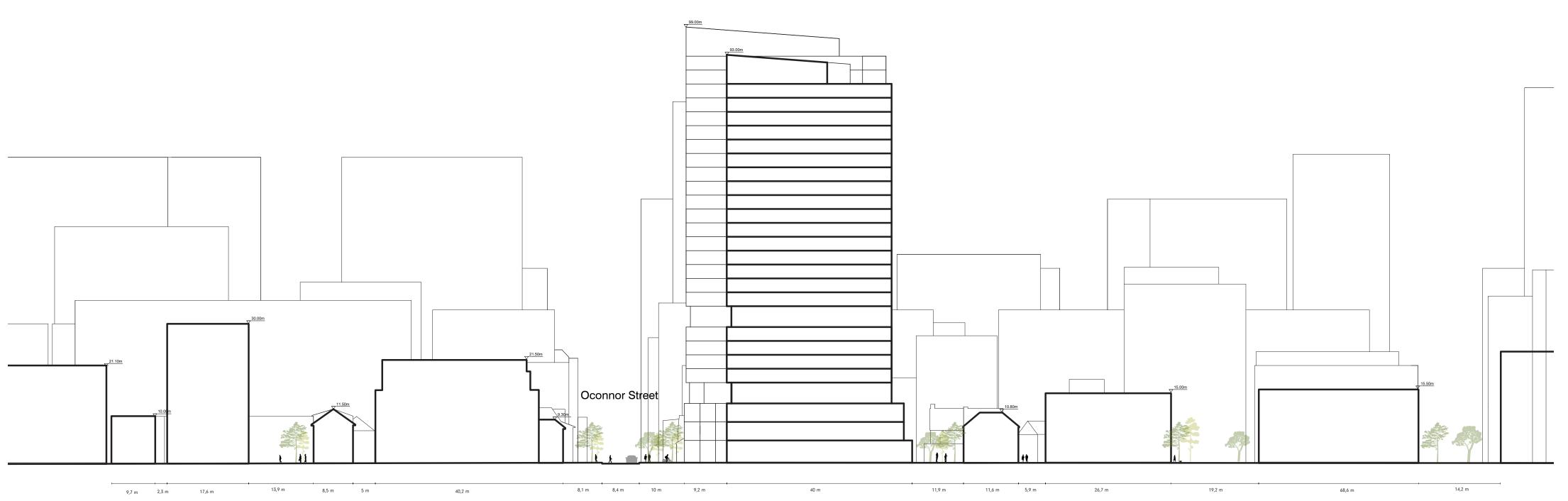
Context Analysis_Sections





Context Analysis_Sections





Context Analysis and References_Setback Strategy

Ottawa Heritage References





Blackburn Building

Slater Building



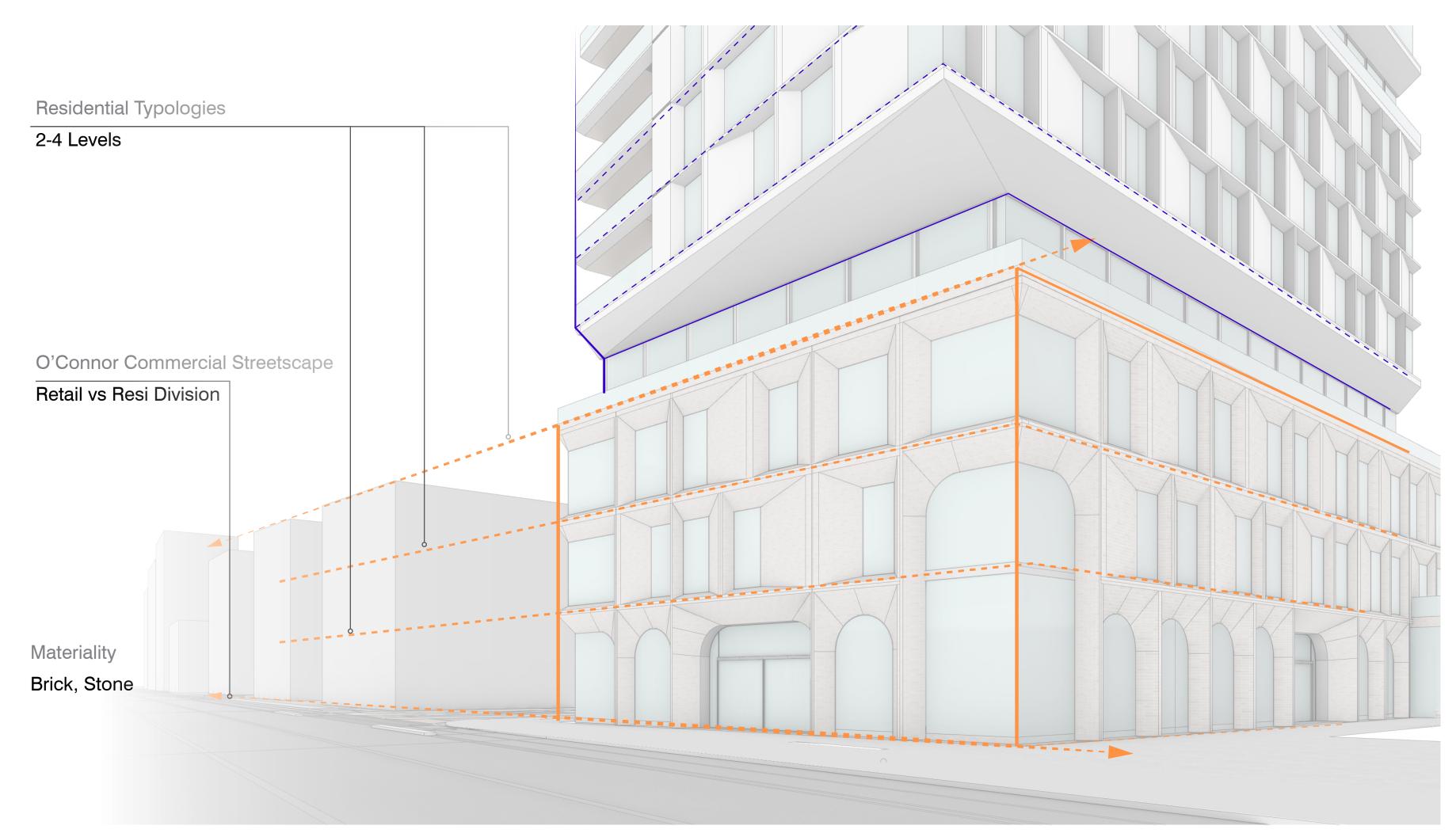
Canada's Four Corners Building



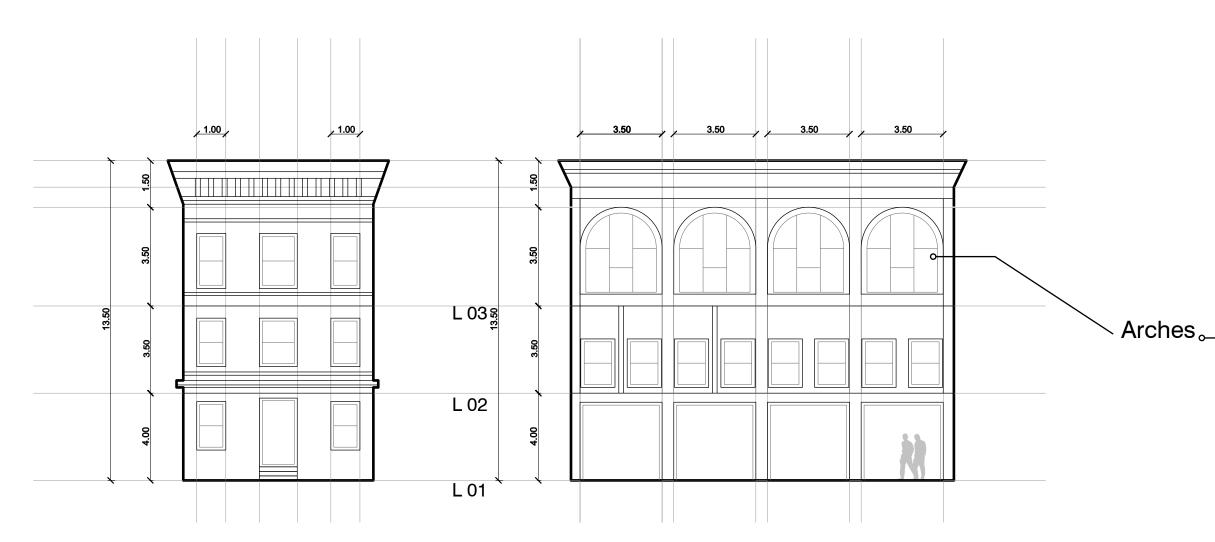
Blackburn Building 2



Canadian Imperial Bank of Commerce 2



Context Anaylysis_Podium Strategy



CENTERTOWN **RESIDENTIAL**

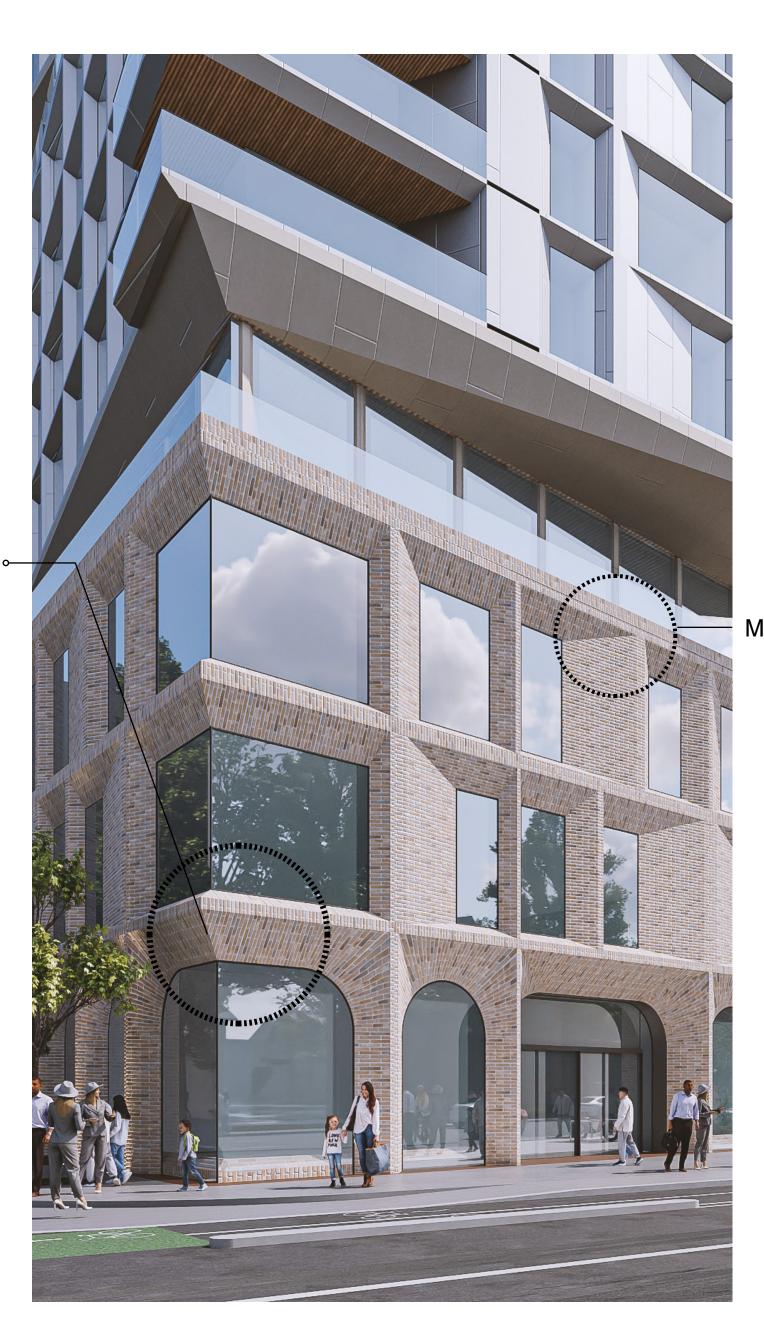


RESIDENTIAL TYPOLOGY

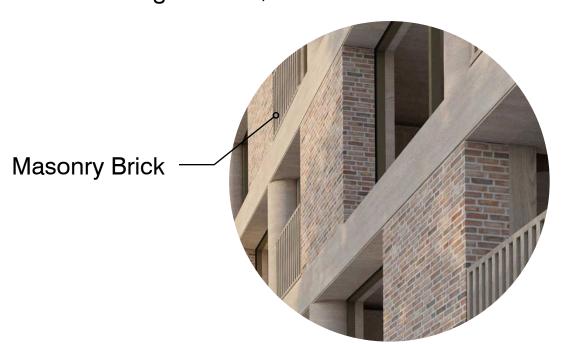
CENTERTOWN COMMERCIAL



QUEEN'S HALL



Light Brown/Red Brick

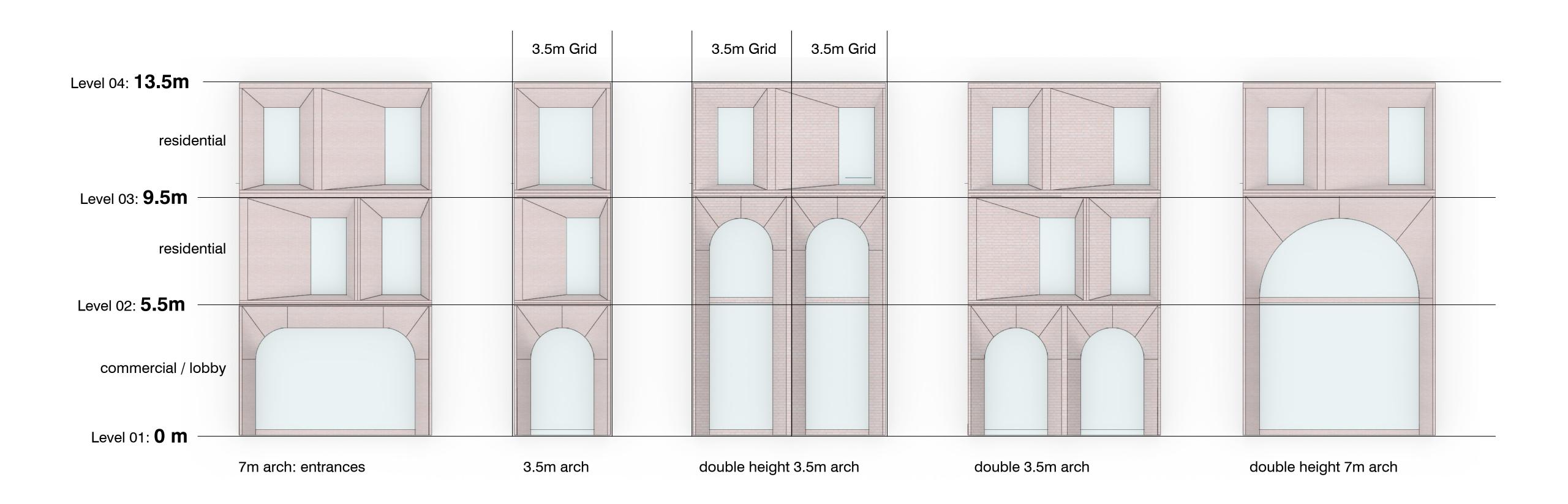




93 Sparks Street

267 OCONNOR **PODIUM**

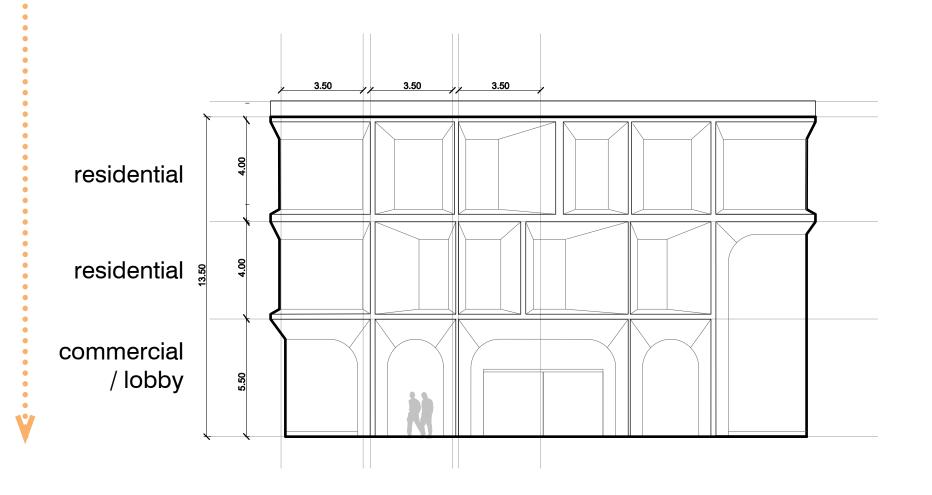
Context Anaylysis_Heritage Podium Modules



Context Anaylysis_Podium Strategy

OTTAWA **HERITAGE FACADES**



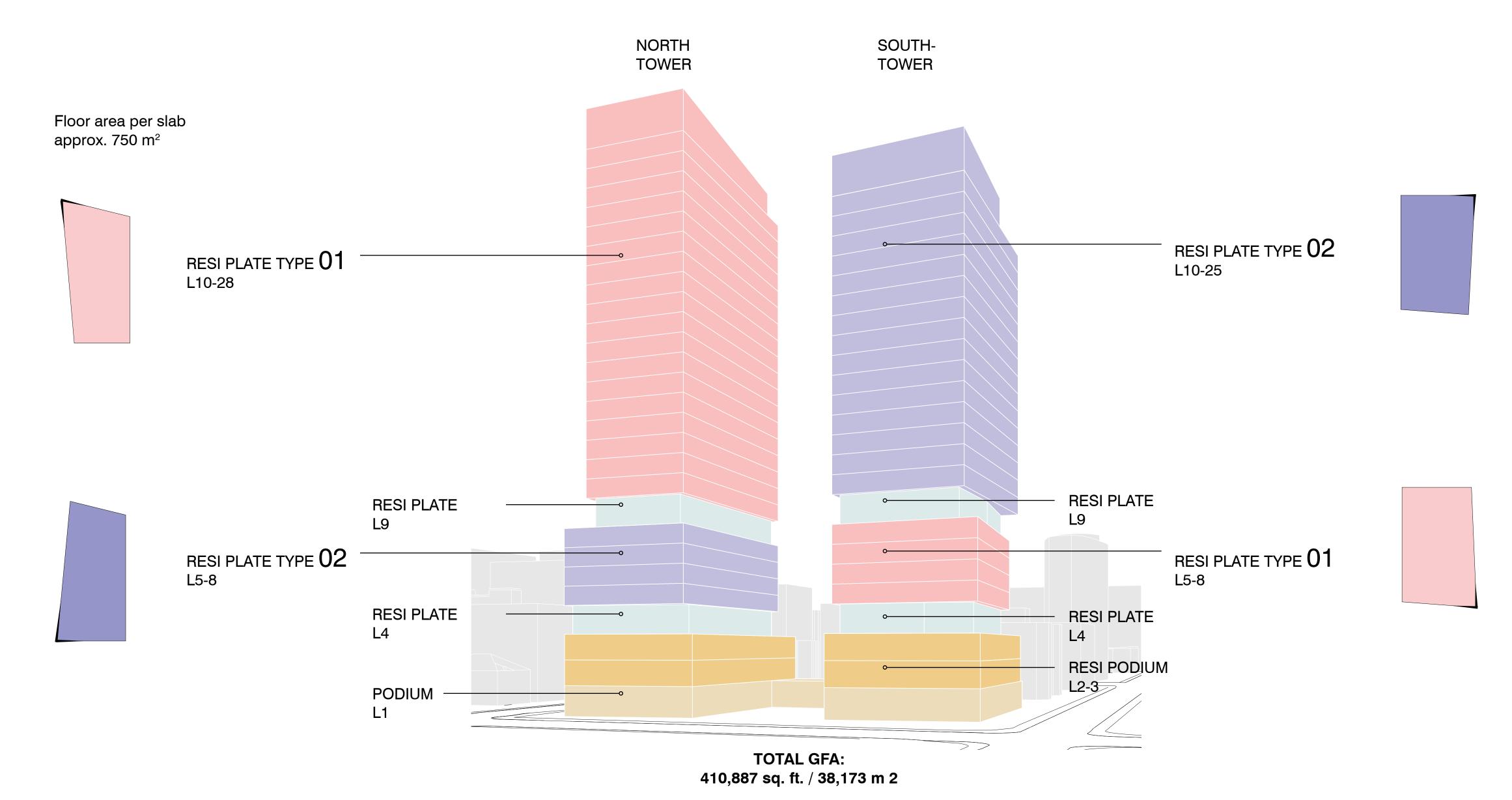




- _ UNStudio
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Architectural Approach_Massing Breakdown



1 Tower

Architectural Approach_1 Tower vs 2 Towers Sun 1 Tower 2 Towers 2 Towers 2 Towers vertical green space for the community create atrium space for create green space for the community the community

2 Towers

adjust scale to context

2 Towers

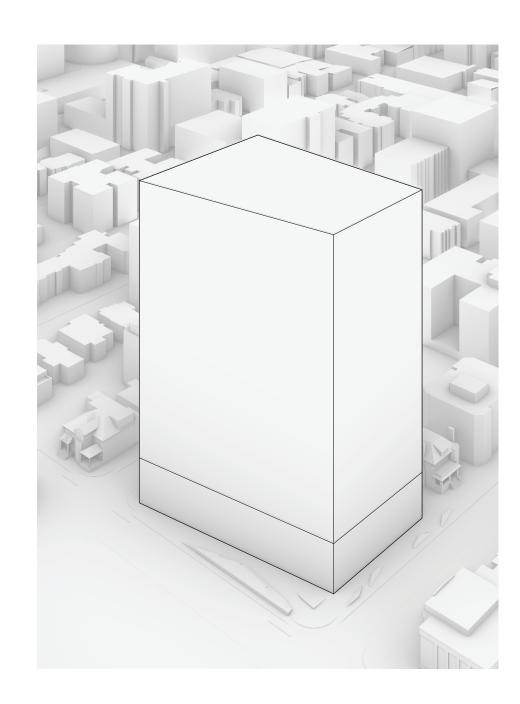
towers at different heights complement

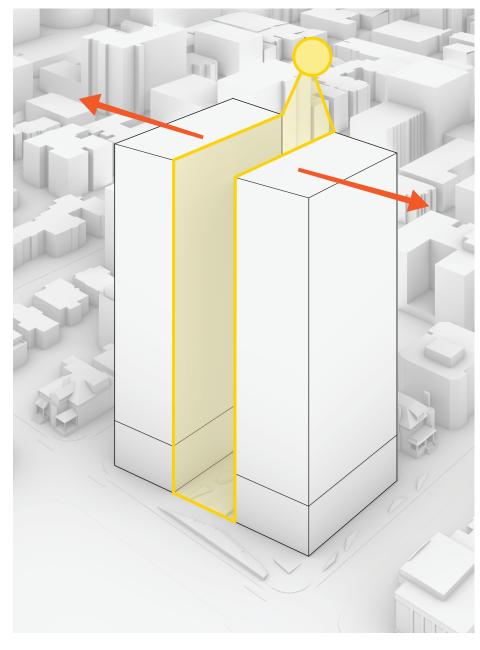
existing context

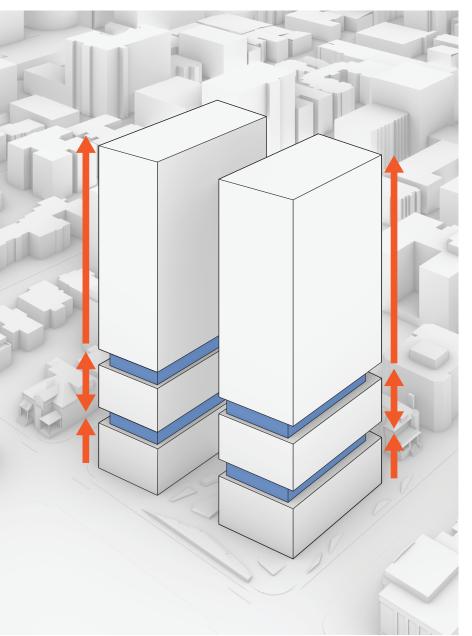
2 Towers

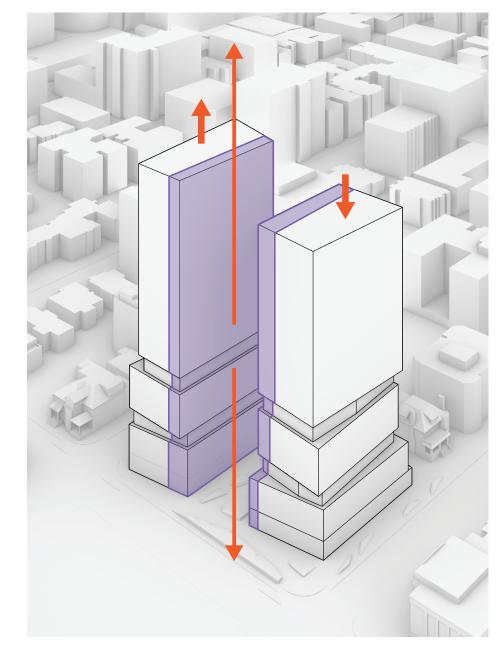
scale adjustment

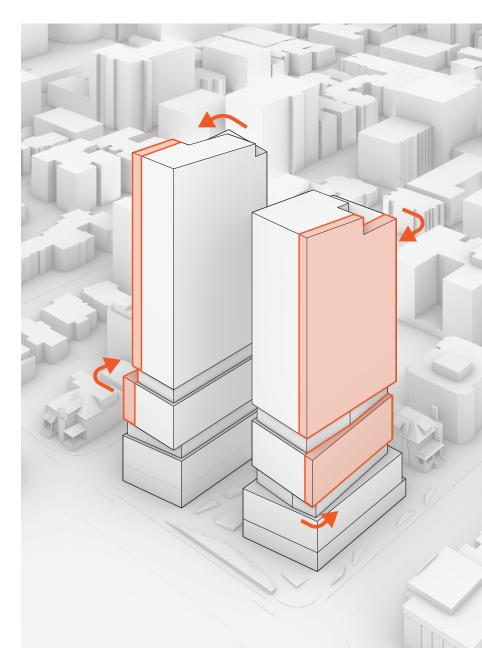
Architectural Approach_Massing Concept











01

tower + podium

02

split tower for sun exposure to podium and inner facades 03

lift tower from podium to break mass

04

alignement of inner facades

05

rotation of outer corners for view optimization

Phasing

PHASE 1 PHASE 2

01North Parking

02
North Podium
+
Institutional Program

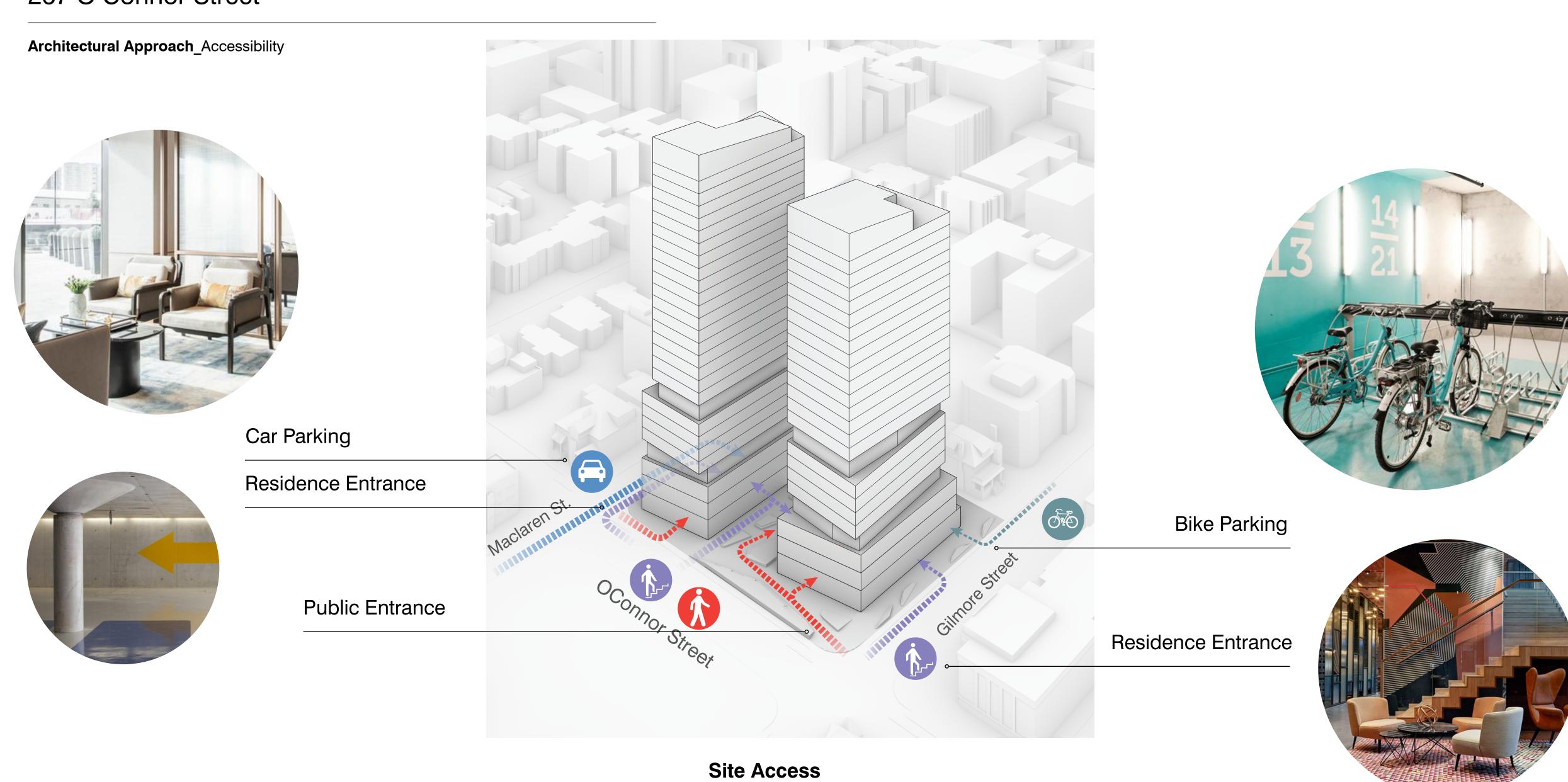
03North Tower

O4
South Podium
+
South Parking

.. -

South Tower

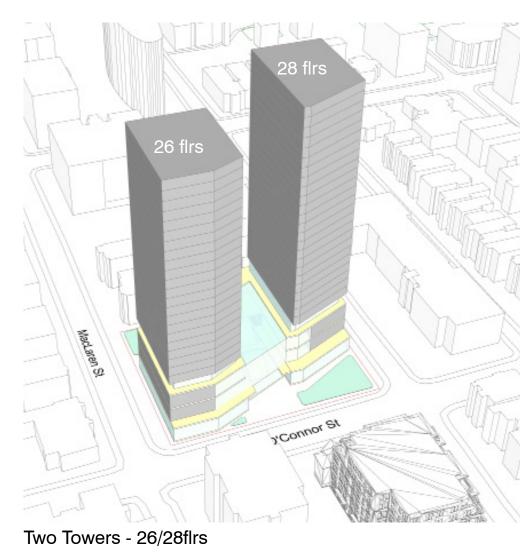
05

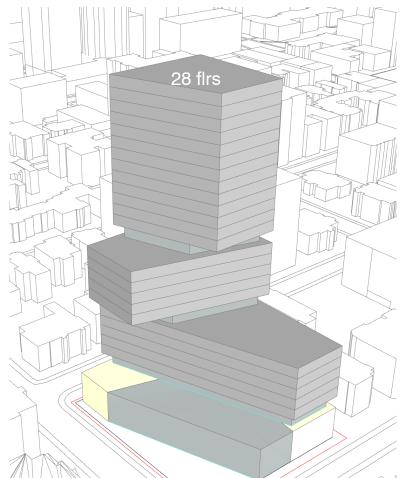


Architectural Approach_Residential Access From Gilmour



Architectural Approach_Previous Massing Studies and Evolution





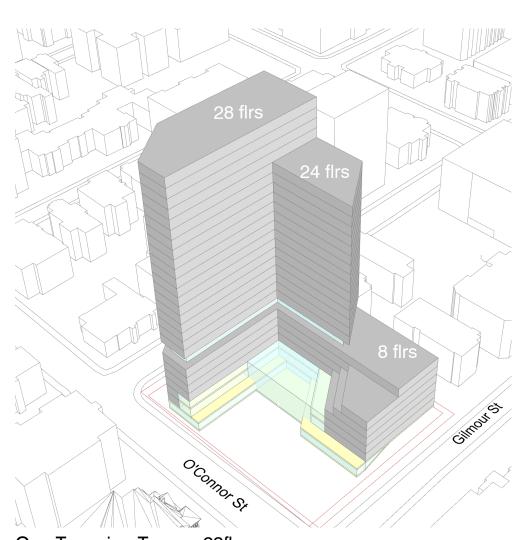
One Towers - 28flrs



Two Towers - 28/20flrs



Two Towers - 28/20flrs



One Terracing Tower - 28flrs



Previous SDRP Submission: Two Towers - 28/26flrs

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POPS_Courtyard



Podium_Community Program Elements



LIBRARY



small library space for the community



HEALTHY LIVING



gym, fitness center yoga studio community health check



COURTYARD



outdoor public courtyard, for the community and residents



ARTS / CULTURE



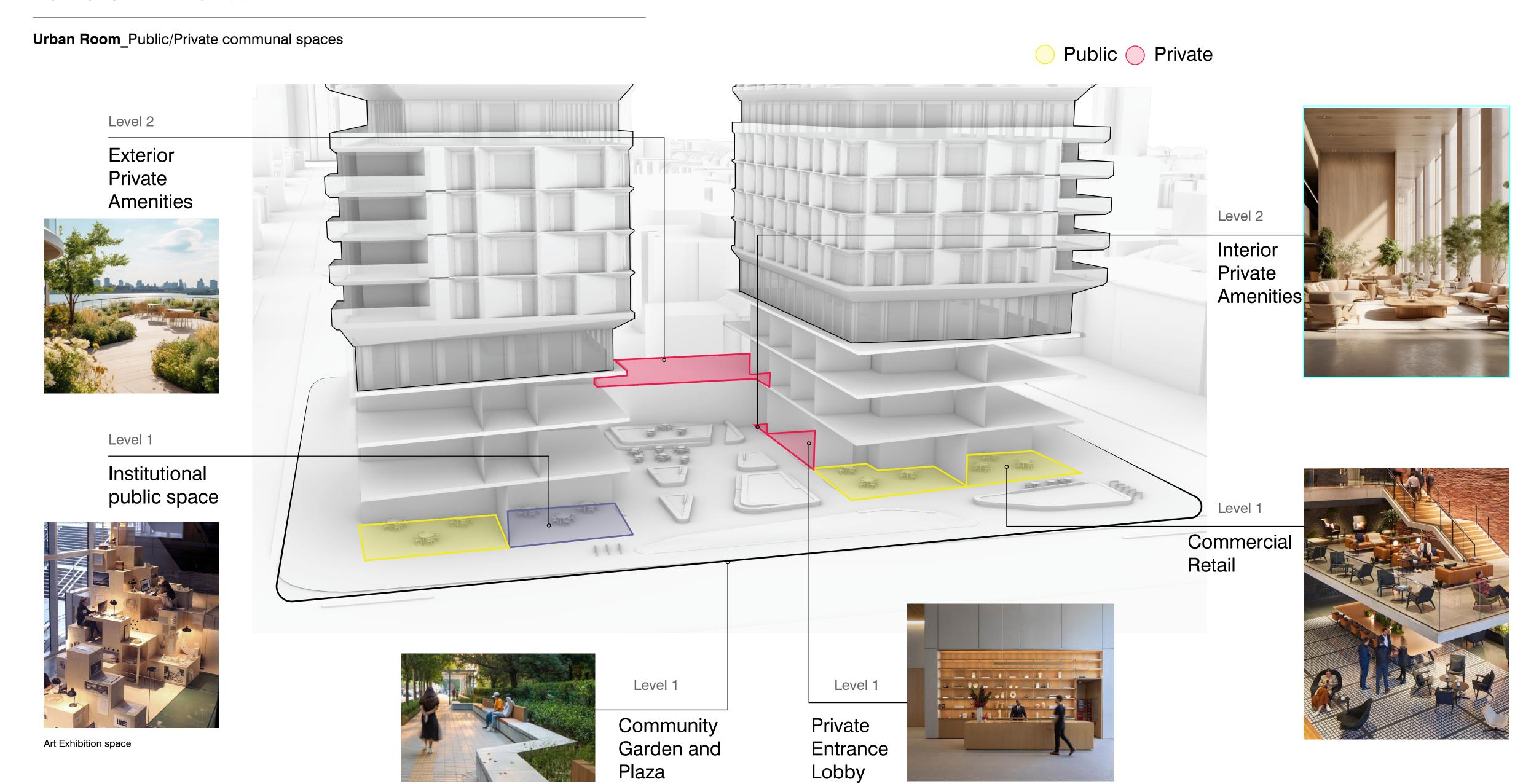
exhibition spaces artist residency program community art classes



CO-WORKING



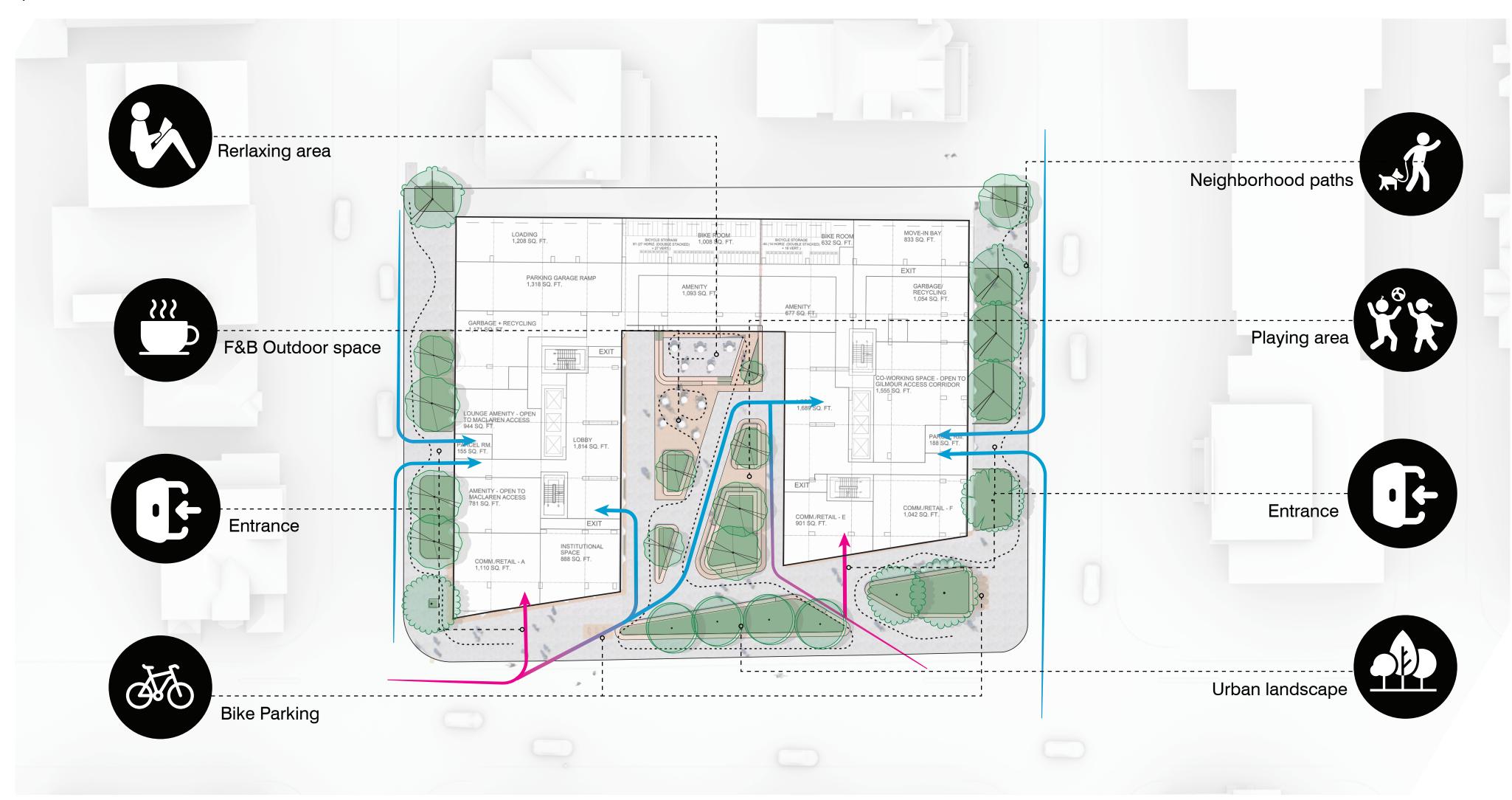
co-working spaces gathering spaces



Podium_View Points_S/W Corner



Podium_Landscape



Public access
Private access
Pedestrian path ----



Podium_Landscape

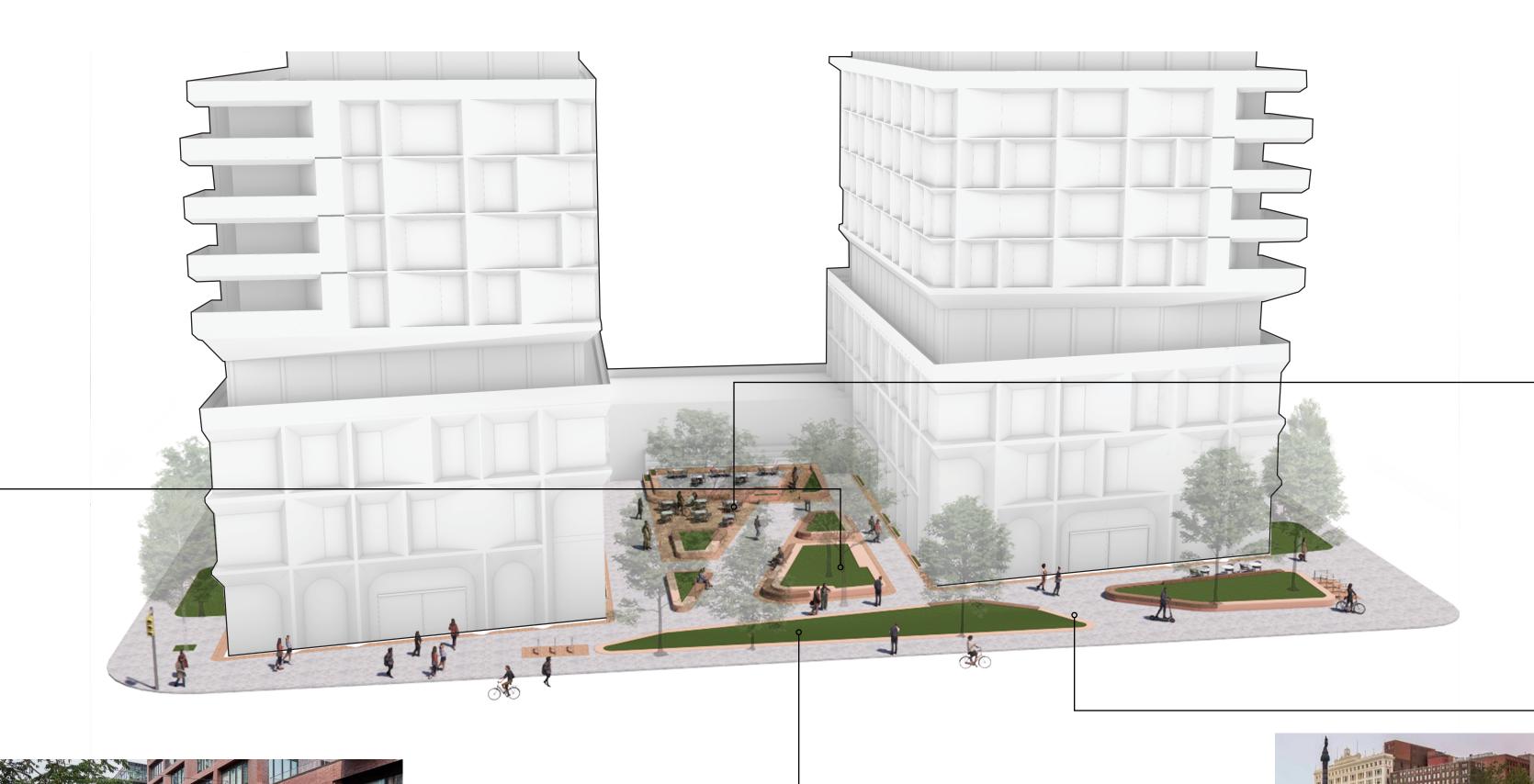




Integrated Seating



Blended Greenscapes





Merging into Urban Landscape



Integrated Vegetation

Public Realm_Community Program Elements Summer Spring Interior Amenity Courtyard Outdoor Residences Ammenity Outdoor Public Spaces • • • Winter **Autumn**

365 Days of Active Community Programs

Podium_View Points_N/W Corner



Podium_View Points_OConnor Facade



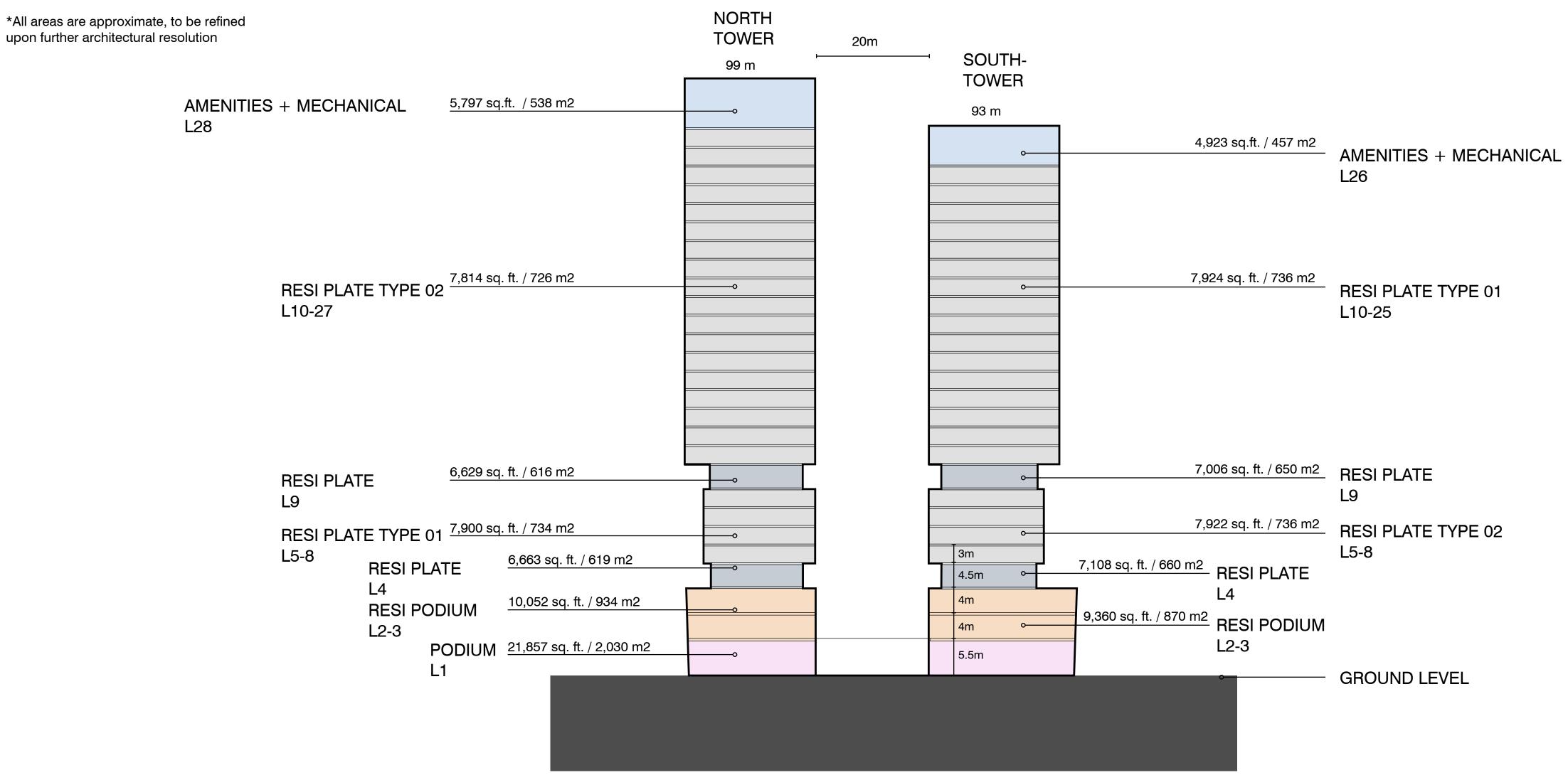
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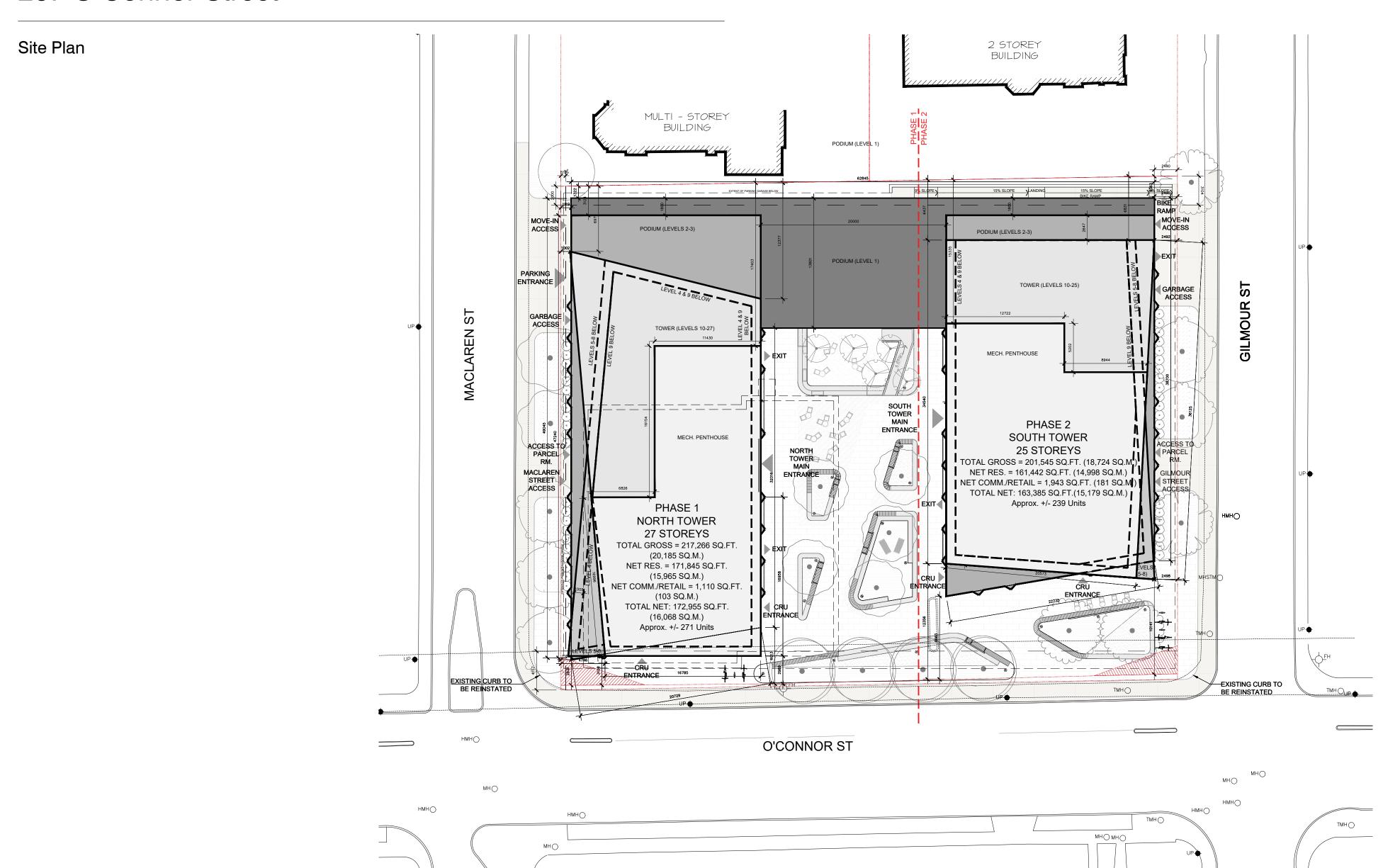
Views_East

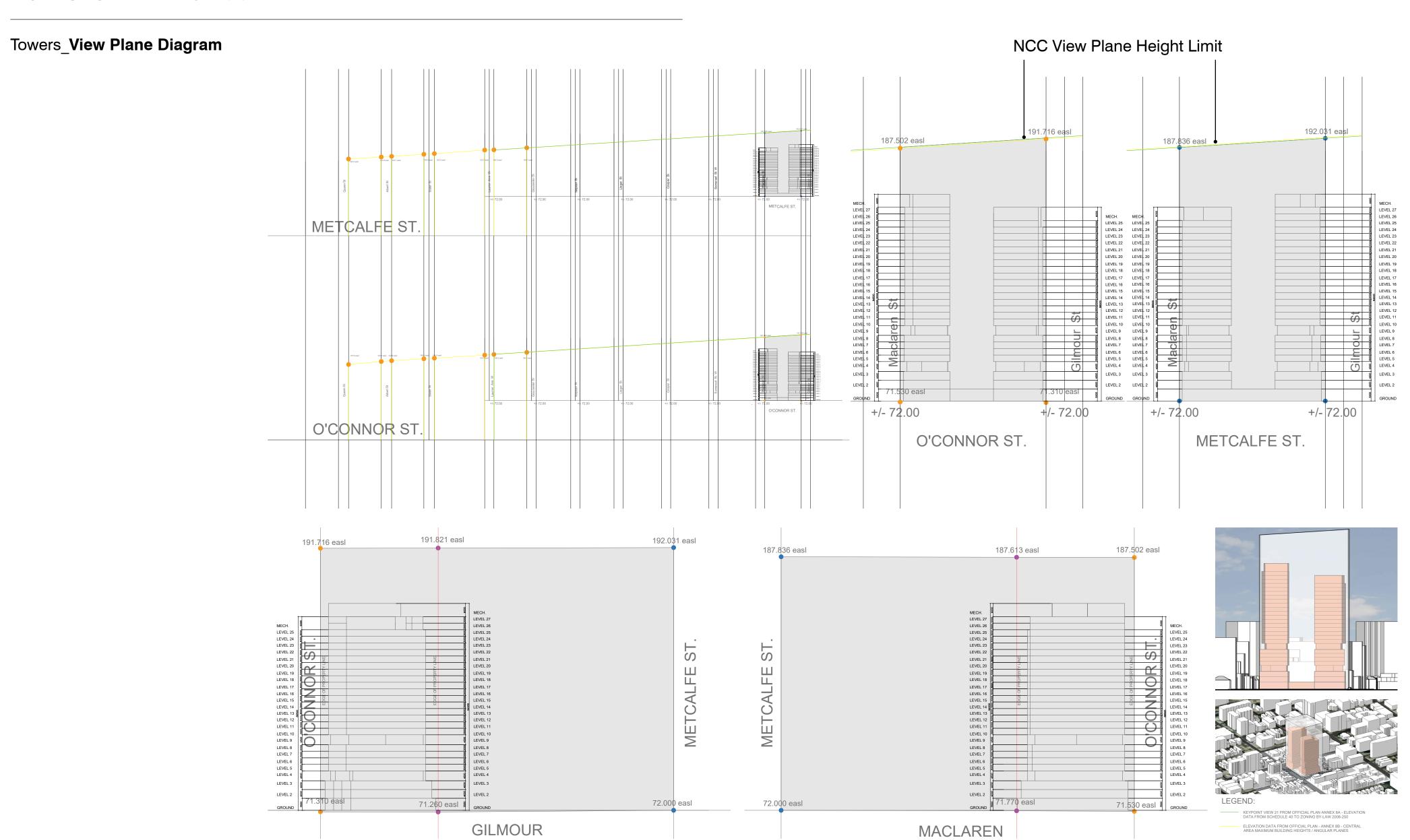


Program



TOTAL GFA: 410,887 sq. ft. / 38,173 m 2

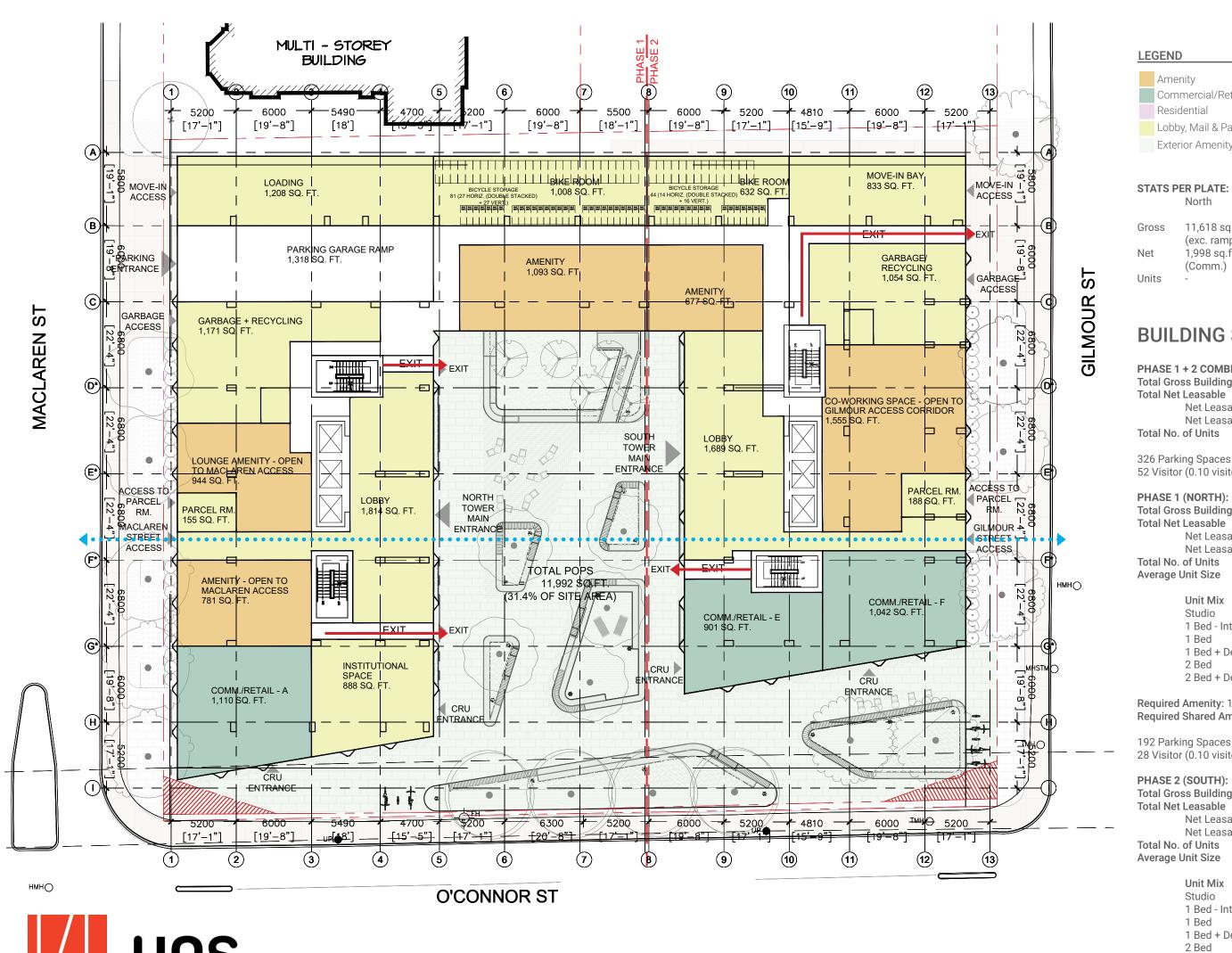


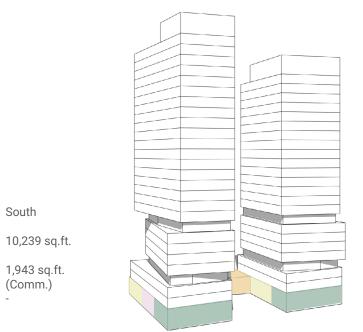


HOBIN

ARCHITECTURE

Plan_Level 01





BUILDING STATISTICS:

Amenity

Commercial/Retail Residential

Lobby, Mail & Parcel Exterior Amenity

North

11,618 sq.ft.

(exc. ramp)

1,998 sq.ft.

(Comm.)

PHAS	SE 1 + 2 COMBINED:	
Total	Gross Building Area	418,811sq.ft.
Total Net Leasable		333,287 sq.ft
	Net Leasable (Residential)	336,340 sq.ft
	Net Leasable (Comm./Retail)	3,053 sq.ft.
Total	No. of Units	510

326 Parking Spaces provided at levels P1, P2, P3 and P4 52 Visitor (0.10 visitor ratio), 274 Residential (0.54 residential ratio)

PHASE 1 (NORTH): Total Gross Building Area	ı		217,266 sg.ft.	
Total Net Leasable			172,955 sq.ft.	(79.61% efficiency
Net Leasable (Residential)			171,845 sq.ft.	
Net Leasable (Comm./Reta	nil)	1,110 sq.ft.	
Total No. of Units			271	
Average Unit Size			634 sq.ft.	
Unit Mix	No.	%		
Studio	35	13%		

OTHE WILK	140.	70
Studio	35	139
1 Bed - Internal	-	-
1 Bed	142	529
1 Bed + Den	3	1%
2 Bed	89	339
2 Bed + Den	2	1%

Required Amenity: 17,496 sq.ft. Provided Amenity: 22,383 sq.ft. (16,983 sq.ft. exterior)
Required Shared Amenity: 8,748 sq.ft. Provided Shared Amenity: 14,869 sq.ft. (9,469 sq.ft. exterior)

192 Parking Spaces provided at levels P1, P2, P3 and P4 28 Visitor (0.10 visitor ratio), 164 Residential (0.61 residential ratio)

PHASE 2 (SOUTH): fotal Gross Building Area fotal Net Leasable Net Leasable (Residential) Net Leasable (Comm./Retail) fotal No. of Units average Unit Size			201,545 sq.ft. 163,385 sq.ft. 161,442 sq.ft. 1,943 sq.ft. 239 675 sq.ft.	(81.07% efficiency)
Unit Mix	No.	%		
Studio	22	9%		
1 Bed - Internal	-	-		
1 Bed	144	60%		

1 Bed + Den 4% 2 Bed 54 23% 10 2 Bed + Den 4%

Required Amenity: 15,430 sq.ft. Provided Amenity: 20,520 sq.ft.(15,050 sq.ft. exterior) Required Shared Amenity: 7,715 sq.ft. Provided Shared Amenity: 14,744 sq.ft. (9,274 sq.ft. exterior)

134 Parking Spaces provided at levels P1, P2, P3 and P4 24 Visitor (0.10 visitor ratio), 110 Residential (0.46 residential ratio)

Plan_Level 02





ARCHITECTURE

UNS TYPICAL PODIUM PLATE, LEVEL 2

LEGEND Amenity Commercial/Retail Residential Lobby, Mail & Parcel Exterior Amenity STATS PER PLATE: South North Gross 10,052 sq.ft. 9,360 sq.ft. 7,721 sq.ft. 7,143 sq.ft. Units 13

BUILDING STATISTICS:

418,811sq.ft.
333,287 sq.ft
336,340 sq.ft
3,053 sq.ft.
510

326 Parking Spaces provided at levels P1, P2, P3 and P4 52 Visitor (0.10 visitor ratio), 274 Residential (0.54 residential ratio)

PHASE 1 (NORTH): 217,266 sq.ft. 172,955 sq.ft. **Total Gross Building Area** (79.61% efficiency) Total Net Leasable Net Leasable (Residential) 171,845 sq.ft. Net Leasable (Comm./Retail) 1,110 sq.ft. Total No. of Units 271 Average Unit Size 634 sq.ft.

OTHE WITE	INO.	/0
Studio	35	13
1 Bed - Internal	-	-
1 Bed	142	52
1 Bed + Den	3	1%
2 Bed	89	33
2 Bed + Den	2	1%

Required Amenity: 17,496 sq.ft. Provided Amenity: 22,383 sq.ft.(16,983 sq.ft. exterior)
Required Shared Amenity: 8,748 sq.ft. Provided Shared Amenity: 14,869 sq.ft. (9,469 sq.ft. exterior)

192 Parking Spaces provided at levels P1, P2, P3 and P4 28 Visitor (0.10 visitor ratio), 164 Residential (0.61 residential ratio)

PHASE 2 (SOUTH):				
Total Gross Building Area			201,545 sq.ft.	
Total Net Leasable			163,385 sq.ft.	(81.07% efficiency)
Net Leasable (R	esidential)		161,442 sq.ft.	
Net Leasable (Comm./Retail)			1,943 sq.ft.	
Total No. of Units			239	
Average Unit Size			675 sq.ft.	
Unit Mix	No.	%		
Studio	22	9%		

Unit Mix	No.	%
Studio	22	9%
1 Bed - Internal	-	-
1 Bed	144	60%
1 Bed + Den	9	4%
2 Bed	54	23%
2 Bed + Den	10	4%

Required Amenity: 15,430 sq.ft. Provided Amenity: 20,520 sq.ft.(15,050 sq.ft. exterior) Required Shared Amenity: 7,715 sq.ft. Provided Shared Amenity: 14,744 sq.ft. (9,274 sq.ft. exterior)

¹³⁴ Parking Spaces provided at levels P1, P2, P3 and P4 24 Visitor (0.10 visitor ratio), 110 Residential (0.46 residential ratio)

Plan_Level 03





ARCHITECTURE

UNS TYPICAL PODIUM PLATE, LEVEL 3

LEGEND Amenity Commercial/Retail Residential Lobby, Mail & Parcel Exterior Amenity STATS PER PLATE: South North 10,052 sq.ft. 9,360 sq.ft. Gross 8,690 sq.ft. 8,078 sq.ft. 10 Units 14

BUILDING STATISTICS:

PHASE 1 + 2 COMBINED:	
Total Gross Building Area	418,811sq.ft.
Total Net Leasable	333,287 sq.ft.
Net Leasable (Residential)	336,340 sq.ft.
Net Leasable (Comm./Retail)	3,053 sq.ft.
Total No. of Units	510

326 Parking Spaces provided at levels P1, P2, P3 and P4 52 Visitor (0.10 visitor ratio), 274 Residential (0.54 residential ratio)

PHASE 1 (NORTH):

Total Gross Building Area

217,266 sq.ft.

Total Net Leasable

Net Leasable (Residential)

Net Leasable (Comm./Retail)

Total No. of Units

Average Unit Size

Unit Mix

No. %

217,266 sq.ft.

79.61% efficiency)

171,845 sq.ft.

1,110 sq.ft.

271

634 sq.ft.

OTHE WILK	INO.	/0
Studio	35	13
1 Bed - Internal	-	-
1 Bed	142	529
1 Bed + Den	3	1%
2 Bed	89	33
2 Bed + Den	2	1%

Required Amenity: 17,496 sq.ft. Provided Amenity: 22,383 sq.ft. (16,983 sq.ft. exterior)
Required Shared Amenity: 8,748 sq.ft. Provided Shared Amenity: 14,869 sq.ft. (9,469 sq.ft. exterior)

192 Parking Spaces provided at levels P1, P2, P3 and P4 28 Visitor (0.10 visitor ratio), 164 Residential (0.61 residential ratio)

PHASE 2 (SOUTH):

Total Gross Building Area

201,545 sq.ft.

Total Net Leasable

Net Leasable (Residential)

Net Leasable (Comm./Retail)

Total No. of Units

Average Unit Size

201,545 sq.ft.

163,385 sq.ft.

161,442 sq.ft.

1,943 sq.ft.

239

Average Unit Size

675 sq.ft.

Unit Mix	No.	%
Studio	22	9%
1 Bed - Internal	-	-
1 Bed	144	60%
1 Bed + Den	9	4%
2 Bed	54	23%
2 Bed + Den	10	4%

Required Amenity: 15,430 sq.ft. Provided Amenity: 20,520 sq.ft.(15,050 sq.ft. exterior)

Required Shared Amenity: 7,715 sq.ft. Provided Shared Amenity: 14,744 sq.ft. (9,274 sq.ft. exterior)

¹³⁴ Parking Spaces provided at levels P1, P2, P3 and P4 24 Visitor (0.10 visitor ratio), 110 Residential (0.46 residential ratio)

Plan_**L04**





ARCHITECTURE

UNS TYPICAL TOWER PLATES, LEVEL 4

LEGEND Amenity Commercial/Retail Residential Lobby, Mail & Parcel Exterior Amenity STATS PER PLATE: South North Gross 6,663 sq.ft. 7,108 sq.ft. 5,396 sq.ft. 5,826 sq.ft. 10 Units 10

BUILDING STATISTICS:

PHAS	E 1 + 2 COMBINED:	
Total Gross Building Area		418,811sq.ft.
Total Net Leasable		333,287 sq.ft.
	Net Leasable (Residential)	336,340 sq.ft.
	Net Leasable (Comm./Retail)	3,053 sq.ft.
Total I	No. of Units	510

326 Parking Spaces provided at levels P1, P2, P3 and P4 52 Visitor (0.10 visitor ratio), 274 Residential (0.54 residential ratio)

PHASE 1 (NORTH):

Total Gross Building Area

217,266 sq.ft.

Total Net Leasable

Net Leasable (Residential)

Net Leasable (Comm./Retail)

Total No. of Units

Average Unit Size

172,955 sq.ft.

171,845 sq.ft.

1,110 sq.ft.

271

634 sq.ft.

Unit Mix

No. %

OTHE WITE	INO.	/0
Studio	35	13
1 Bed - Internal	-	-
1 Bed	142	52
1 Bed + Den	3	1%
2 Bed	89	33
2 Bed + Den	2	1%

Required Amenity: 17,496 sq.ft. Provided Amenity: 22,383 sq.ft.(16,983 sq.ft. exterior)
Required Shared Amenity: 8,748 sq.ft. Provided Shared Amenity: 14,869 sq.ft. (9,469 sq.ft. exterior)

192 Parking Spaces provided at levels P1, P2, P3 and P4 28 Visitor (0.10 visitor ratio), 164 Residential (0.61 residential ratio)

PHASE 2 (SOUTH):

Total Gross Building Area

201,545 sq.ft.

Total Net Leasable

Net Leasable (Residential)

Net Leasable (Comm./Retail)

Total No. of Units

201,545 sq.ft.

163,385 sq.ft.

(81.07% efficiency)

1,943 sq.ft.

239

675 sq.ft.

 Unit Mix
 No.
 %

 Studio
 22
 9%

 1 Bed - Internal

 1 Bed
 144
 60%

 1 Bed + Den
 9
 4%

 2 Bed
 54
 23%

2 Bed + Den

Average Unit Size

Required Amenity: 15,430 sq.ft. Provided Amenity: 20,520 sq.ft.(15,050 sq.ft. exterior)
Required Shared Amenity: 7,715 sq.ft. Provided Shared Amenity: 14,744 sq.ft. (9,274 sq.ft. exterior)

134 Parking Spaces provided at levels P1, P2, P3 and P4 24 Visitor (0.10 visitor ratio), 110 Residential (0.46 residential ratio)

10

Plan_**L05-08**





ARCHITECTURE

UNS TYPICAL TOWER PLATES, LEVELS 5-8

LEGEND Amenity Commercial/Retail Residential Lobby, Mail & Parcel Exterior Amenity STATS PER PLATE: South North Gross 7,900 sq.ft. 7,922 sq.ft. 6,635 sq.ft. 6,640 sq.ft. 10 Units 11

BUILDING STATISTICS:

PHASE 1 + 2 COMBINED:	
Total Gross Building Area	418,811sq.ft.
Total Net Leasable	333,287 sq.ft.
Net Leasable (Residential)	336,340 sq.ft.
Net Leasable (Comm./Retail)	3,053 sq.ft.
Total No. of Units	510

326 Parking Spaces provided at levels P1, P2, P3 and P4 52 Visitor (0.10 visitor ratio), 274 Residential (0.54 residential ratio)

PHASE 1 (NORTH):

Total Gross Building Area

217,266 sq.ft.

Total Net Leasable

Net Leasable (Residential)

Net Leasable (Comm./Retail)

Total No. of Units

Average Unit Size

Unit Mix

No. %

217,266 sq.ft.

79.61% efficiency)

171,845 sq.ft.

1,110 sq.ft.

271

634 sq.ft.

UTILL IVIIX	INO.	%
Studio	35	13%
1 Bed - Internal	-	-
1 Bed	142	52%
1 Bed + Den	3	1%
2 Bed	89	33%
2 Bed + Den	2	1%

Required Amenity: 17,496 sq.ft. Provided Amenity: 22,383 sq.ft. (16,983 sq.ft. exterior)
Required Shared Amenity: 8,748 sq.ft. Provided Shared Amenity: 14,869 sq.ft. (9,469 sq.ft. exterior)

192 Parking Spaces provided at levels P1, P2, P3 and P4 28 Visitor (0.10 visitor ratio), 164 Residential (0.61 residential ratio)

PHASE 2 (SOUTH):
Total Gross Building Area
201,545 sq.ft.
Total Net Leasable
163,385 sq.ft. (81.07% efficiency)

Net Leasable (Residential)
Net Leasable (Comm./Retail)

Total No. of Units
Average Unit Size

161,442 sq.ft.
1,943 sq.ft.
239
675 sq.ft.

Unit Mix	No.	%
Studio	22	9%
1 Bed - Internal	-	-
1 Bed	144	60%
1 Bed + Den	9	4%
2 Bed	54	23%
2 Bed + Den	10	4%

Required Amenity: 15,430 sq.ft. Provided Amenity: 20,520 sq.ft.(15,050 sq.ft. exterior)
Required Shared Amenity: 7,715 sq.ft. Provided Shared Amenity: 14,744 sq.ft. (9,274 sq.ft. exterior)

¹³⁴ Parking Spaces provided at levels P1, P2, P3 and P4 24 Visitor (0.10 visitor ratio), 110 Residential (0.46 residential ratio)

Plan_L09





ARCHITECTURE

UNS TYPICAL TOWER PLATES, LEVEL 9

PHASE 1 + 2 COMBINED:



BUILDING STATISTICS:

LEGEND

Amenity

Commercial/Retail Residential

Lobby, Mail & Parcel Exterior Amenity

North

5,580 sq.ft.

STATS PER PLATE:

Gross 6,629 sq.ft.

Units 10

THACE I . 2 COMBINED.	
Total Gross Building Area	418,811sq.ft.
Total Net Leasable	333,287 sq.ft.
Net Leasable (Residential)	336,340 sq.ft.
Net Leasable (Comm./Retail)	3,053 sq.ft.
Total No. of Units	510

326 Parking Spaces provided at levels P1, P2, P3 and P4 52 Visitor (0.10 visitor ratio), 274 Residential (0.54 residential ratio)

South

7,006 sq.ft.

5,723 sq.ft.

10

PHASE 1 (NORTH):				
Total Gross Building Area Total Net Leasable			217,266 sq.ft. 172,955 sq.ft.	(79.61% efficience
Net Leasable (Comm./Retail)			1,110 sq.ft.	
Total No. of Units		,	271	
Average Unit Size			634 sq.ft.	
Unit Mix	No.	%		
0. 11	0.5	4.00.		

Studio	35	13%
1 Bed - Internal	-	-
1 Bed	142	52%
1 Bed + Den	3	1%
2 Bed	89	33%
2 Bed + Den	2	1%

Required Amenity: 17,496 sq.ft. Provided Amenity: 22,383 sq.ft.(16,983 sq.ft. exterior)
Required Shared Amenity: 8,748 sq.ft. Provided Shared Amenity: 14,869 sq.ft. (9,469 sq.ft. exterior)

192 Parking Spaces provided at levels P1, P2, P3 and P4 28 Visitor (0.10 visitor ratio), 164 Residential (0.61 residential ratio)

PHASE 2 (SOUTH):	
Total Gross Building Area	201,545 sq.ft.
Total Net Leasable	163,385 sq.ft. (81.07% efficiency)
Net Leasable (Residential)	161,442 sq.ft.
Net Leasable (Comm./Retail)	1,943 sq.ft.
Total No. of Units	239
Average Unit Size	675 sq.ft.
Net Leasable (Comm./Retail) Total No. of Units	1,943 sq.ft. 239

Unit Mix	No.	%
Studio	22	9%
1 Bed - Internal	-	-
1 Bed	144	60%
1 Bed + Den	9	4%
2 Bed	54	23%
2 Bed + Den	10	4%

Required Amenity: 15,430 sq.ft. Provided Amenity: 20,520 sq.ft. (15,050 sq.ft. exterior) Required Shared Amenity: 7,715 sq.ft. Provided Shared Amenity: 14,744 sq.ft. (9,274 sq.ft. exterior)

¹³⁴ Parking Spaces provided at levels P1, P2, P3 and P4 24 Visitor (0.10 visitor ratio), 110 Residential (0.46 residential ratio)

Plan_**L10-25**





ARCHITECTURE

UNS TYPICAL TOWER PLATES, LEVELS 10-25

LEGEND

Amenity
Commercial/Retail
Residential
Lobby, Mail & Parcel
Exterior Amenity

STATS PER PLATE:
North
South

Gross 7,814 sq.ft. 7,924 sq.ft.

Net 6,551 sq.ft. 6,757 sq.ft.

Units 10 10

BUILDING STATISTICS:

PHASE 1 + 2 COMBINED:	
Total Gross Building Area	418,811sq.ft.
Total Net Leasable	333,287 sq.ft
Net Leasable (Residential)	336,340 sq.ft
Net Leasable (Comm./Retail)	3,053 sq.ft.
Total No. of Units	510

326 Parking Spaces provided at levels P1, P2, P3 and P4 52 Visitor (0.10 visitor ratio), 274 Residential (0.54 residential ratio)

PHASE 1 (NORTH): Total Gross Building Area Total Net Leasable		217,266 sq.ft. 172,955 sq.ft.	(79.61% efficiency
Net Leasable (Residential)		171,845 sq.ft.	(75.01% emicienc)
Net Leasable (Comm./Reta Total No. of Units	ail)	1,110 sq.ft. 271	
Average Unit Size		634 sq.ft.	
Unit Mix No.	%		

OTHE WITE	INO.	/0
Studio	35	13
1 Bed - Internal	-	-
1 Bed	142	52
1 Bed + Den	3	1%
2 Bed	89	33
2 Bed + Den	2	1%

Required Amenity: 17,496 sq.ft. Provided Amenity: 22,383 sq.ft.(16,983 sq.ft. exterior)
Required Shared Amenity: 8,748 sq.ft. Provided Shared Amenity: 14,869 sq.ft. (9,469 sq.ft. exterior)

192 Parking Spaces provided at levels P1, P2, P3 and P4 28 Visitor (0.10 visitor ratio), 164 Residential (0.61 residential ratio)

PHASE 2 (SOUTH):

Total Gross Building Area

201,545 sq.ft.

Total Net Leasable

Net Leasable (Residential)

Net Leasable (Comm./Retail)

Total No. of Units

Average Unit Size

201,545 sq.ft.

163,385 sq.ft.

161,442 sq.ft.

1,943 sq.ft.

239

Average Unit Size

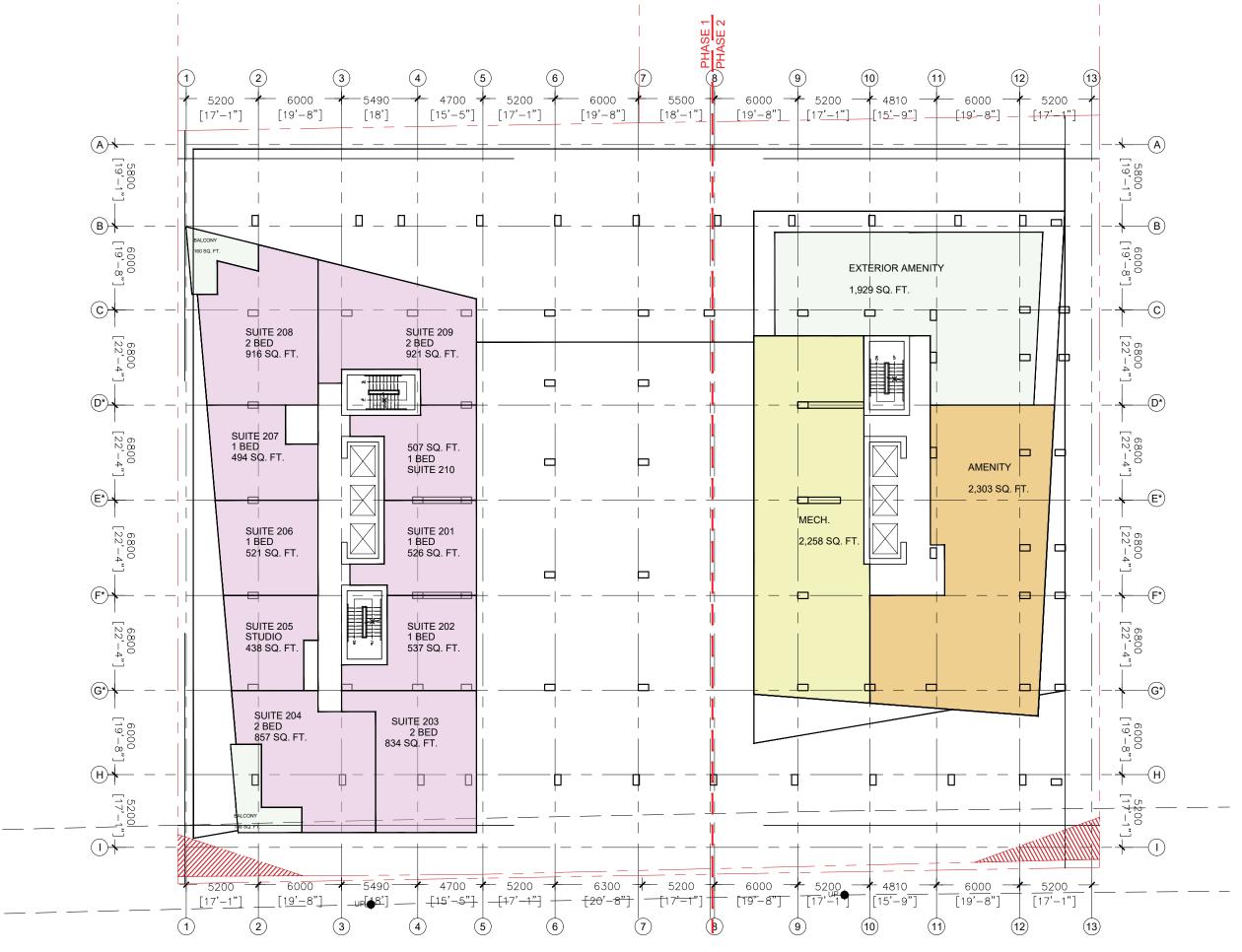
675 sq.ft.

Unit Mix	No.	%
Studio	22	9%
1 Bed - Internal	-	-
1 Bed	144	60%
1 Bed + Den	9	4%
2 Bed	54	23%
2 Bed + Den	10	4%

Required Amenity: 15,430 sq.ft. Provided Amenity: 20,520 sq.ft.(15,050 sq.ft. exterior)
Required Shared Amenity: 7,715 sq.ft. Provided Shared Amenity: 14,744 sq.ft. (9,274 sq.ft. exterior)

¹³⁴ Parking Spaces provided at levels P1, P2, P3 and P4 24 Visitor (0.10 visitor ratio), 110 Residential (0.46 residential ratio)

Plan_L26





ARCHITECTURE

UNS TYPICAL TOWER (NORTH) AND LEVEL 26 (SOUTH)

Amenity Commercial/Retail Residential Lobby, Mail & Parcel Exterior Amenity STATS PER PLATE: North South Gross 7,814 sq.ft. 5,547sq.ft. Net 6,551 sq.ft. Units 10 -

BUILDING STATISTICS:

PHASE 1 + 2 COMBINED:	
Total Gross Building Area	418,811sq.ft.
Total Net Leasable	333,287 sq.ft
Net Leasable (Residential)	336,340 sq.ft
Net Leasable (Comm./Retail)	3,053 sq.ft.
Total No. of Units	510

326 Parking Spaces provided at levels P1, P2, P3 and P4 52 Visitor (0.10 visitor ratio), 274 Residential (0.54 residential ratio)

	ASE 1 (NORTH): al Gross Building Are	а		217,266 sg.ft.	
	al Net Leasable	u		172,955 sq.ft.	(79.61% efficiency
	Net Leasable ((Residential)		171,845 sq.ft.	
	Net Leasable (Comm./Reta	il)	1,110 sq.ft.	
Tota	al No. of Units			271	
Ave	erage Unit Size			634 sq.ft.	
	Unit Mix	No.	%		

OTHE WITE	INO.	/0
Studio	35	139
1 Bed - Internal	-	-
1 Bed	142	529
1 Bed + Den	3	1%
2 Bed	89	339
2 Bed + Den	2	1%

Required Amenity: 17,496 sq.ft. Provided Amenity: 22,383 sq.ft.(16,983 sq.ft. exterior)
Required Shared Amenity: 8,748 sq.ft. Provided Shared Amenity: 14,869 sq.ft. (9,469 sq.ft. exterior)

192 Parking Spaces provided at levels P1, P2, P3 and P4 28 Visitor (0.10 visitor ratio), 164 Residential (0.61 residential ratio)

PHASE 2 (SOUTH):

Total Gross Building Area

201,545 sq.ft.

Total Net Leasable

Net Leasable (Residential)

Net Leasable (Comm./Retail)

Total No. of Units

Average Unit Size

201,545 sq.ft.

163,385 sq.ft.

161,442 sq.ft.

1,943 sq.ft.

239

675 sq.ft.

Unit Mix	No.	%
Studio	22	9%
1 Bed - Internal	-	-
1 Bed	144	60%
1 Bed + Den	9	4%
2 Bed	54	23%
2 Bed + Den	10	4%

Required Amenity: 15,430 sq.ft. Provided Amenity: 20,520 sq.ft.(15,050 sq.ft. exterior)
Required Shared Amenity: 7,715 sq.ft. Provided Shared Amenity: 14,744 sq.ft. (9,274 sq.ft. exterior)

¹³⁴ Parking Spaces provided at levels P1, P2, P3 and P4 24 Visitor (0.10 visitor ratio), 110 Residential (0.46 residential ratio)

Plan_L26-27





ARCHITECTURE

UNS TYPICAL TOWER PLATE, LEVEL 27 (NORTH)

LEGEND

Amenity
Commercial/Retail
Residential
Lobby, Mail & Parcel
Exterior Amenity

STATS PER PLATE:
North
South

Gross 7,814 sq.ft.

Net 6,551 sq.ft.

Units 10 -

BUILDING STATISTICS:

PHASE 1 + 2 COMBINED:	
Total Gross Building Area	418,811sq.ft.
Total Net Leasable	333,287 sq.ft
Net Leasable (Residential)	336,340 sq.ft
Net Leasable (Comm./Retail)	3,053 sq.ft.
Total No. of Units	510

326 Parking Spaces provided at levels P1, P2, P3 and P4 52 Visitor (0.10 visitor ratio), 274 Residential (0.54 residential ratio)

PHASE 1 (NORTH):

Total Gross Building Area

217,266 sq.ft.

Total Net Leasable

Net Leasable (Residential)

Net Leasable (Comm./Retail)

Total No. of Units

Average Unit Size

Unit Mix

No. %

217,266 sq.ft.

172,955 sq.ft.

171,845 sq.ft.

1,110 sq.ft.

271

634 sq.ft.

OTHE WITE	INO.	/0
Studio	35	13%
1 Bed - Internal	-	-
1 Bed	142	52%
1 Bed + Den	3	1%
2 Bed	89	33%
2 Bed + Den	2	1%

Required Amenity: 17,496 sq.ft. Provided Amenity: 22,383 sq.ft.(16,983 sq.ft. exterior)
Required Shared Amenity: 8,748 sq.ft. Provided Shared Amenity: 14,869 sq.ft. (9,469 sq.ft. exterior)

192 Parking Spaces provided at levels P1, P2, P3 and P4 28 Visitor (0.10 visitor ratio), 164 Residential (0.61 residential ratio)

28 Visitor (0.10 visitor ratio), 164 Residential (0.61 residential ratio)

PHASE 2 (SOUTH):

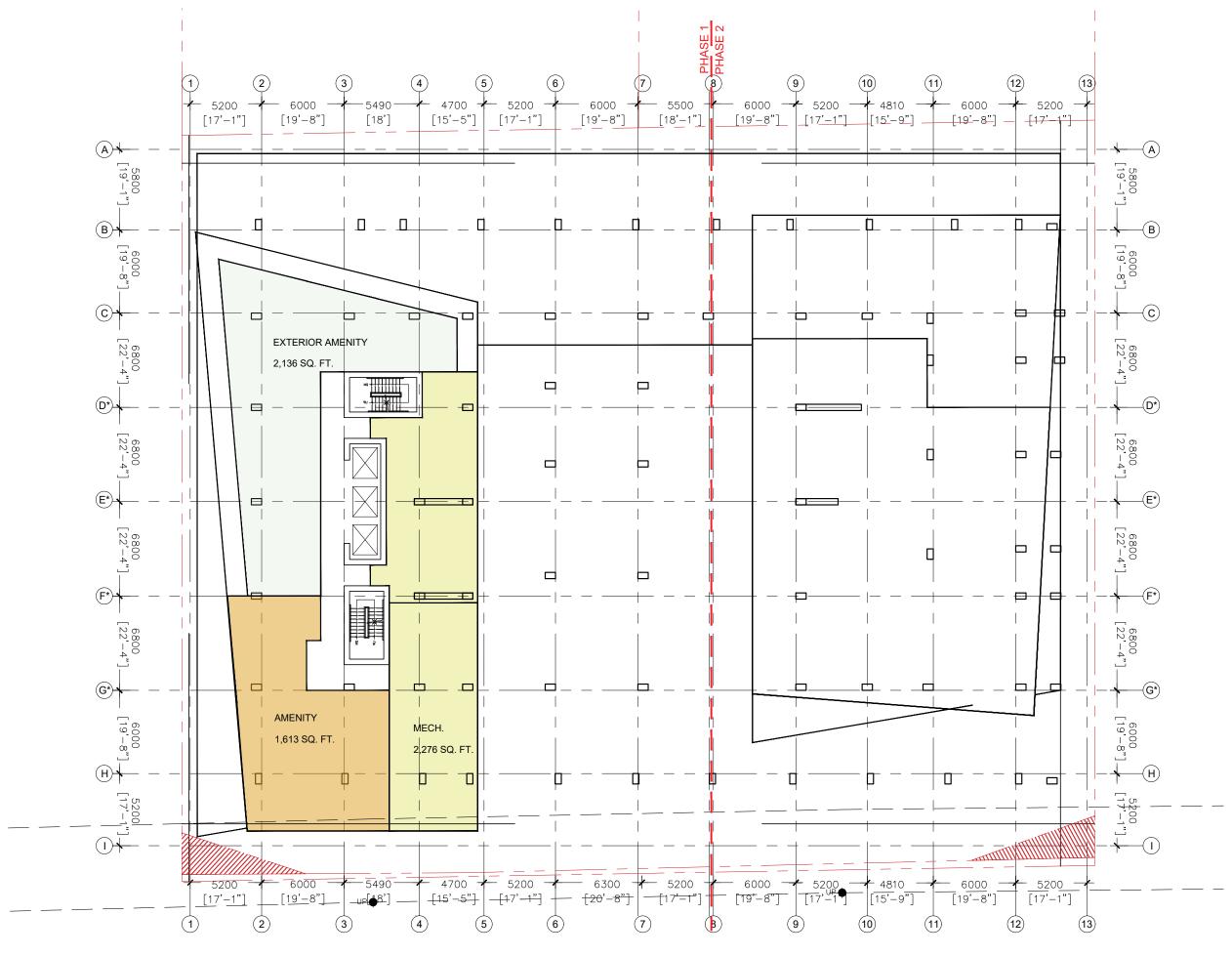
Total Gross Building	g Area		201,545 sq.ft.						
Total Net Leasable			163,385 sq.ft. 161,442 sq.ft.	(81.07% efficiency)					
Net Leas	able (Residential)								
Net Leasable (Comm./Retail) Total No. of Units Average Unit Size			1,943 sq.ft. 239 675 sq.ft.						
					Unit Mix	No.	%		
					Studio	22	9%		
4 D I I									

Unit Mix	No.	%
Studio	22	9%
1 Bed - Internal	-	-
1 Bed	144	60%
1 Bed + Den	9	4%
2 Bed	54	23%
2 Bed + Den	10	4%

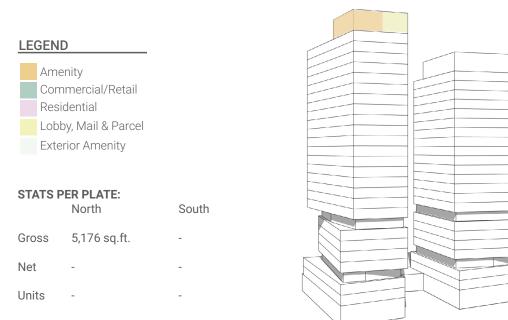
Required Amenity: 15,430 sq.ft. Provided Amenity: 20,520 sq.ft.(15,050 sq.ft. exterior)
Required Shared Amenity: 7,715 sq.ft. Provided Shared Amenity: 14,744 sq.ft. (9,274 sq.ft. exterior)

134 Parking Spaces provided at levels P1, P2, P3 and P4 24 Visitor (0.10 visitor ratio), 110 Residential (0.46 residential ratio)

Plan_L28







BUILDING STATISTICS:

PHASE 1 + 2 COMBINED:	
Total Gross Building Area	418,811sq.ft.
Total Net Leasable	333,287 sq.ft.
Net Leasable (Residential)	336,340 sq.ft.
Net Leasable (Comm./Retail)	3,053 sq.ft.
Total No. of Units	510

326 Parking Spaces provided at levels P1, P2, P3 and P4 52 Visitor (0.10 visitor ratio), 274 Residential (0.54 residential ratio)

	ASE 1 (NORTH): al Gross Building Are	а		217,266 sg.ft.	
	al Net Leasable	u		172,955 sq.ft.	(79.61% efficiency
	Net Leasable ((Residential)		171,845 sq.ft.	
	Net Leasable (Comm./Reta	il)	1,110 sq.ft.	
Tota	al No. of Units			271	
Ave	erage Unit Size			634 sq.ft.	
	Unit Mix	No.	%		

OTHE WITE	INO.	/0
Studio	35	13%
1 Bed - Internal	-	-
1 Bed	142	52%
1 Bed + Den	3	1%
2 Bed	89	33%
2 Bed + Den	2	1%

Required Amenity: 17,496 sq.ft. Provided Amenity: 22,383 sq.ft.(16,983 sq.ft. exterior)
Required Shared Amenity: 8,748 sq.ft. Provided Shared Amenity: 14,869 sq.ft. (9,469 sq.ft. exterior)

192 Parking Spaces provided at levels P1, P2, P3 and P4 28 Visitor (0.10 visitor ratio), 164 Residential (0.61 residential ratio)

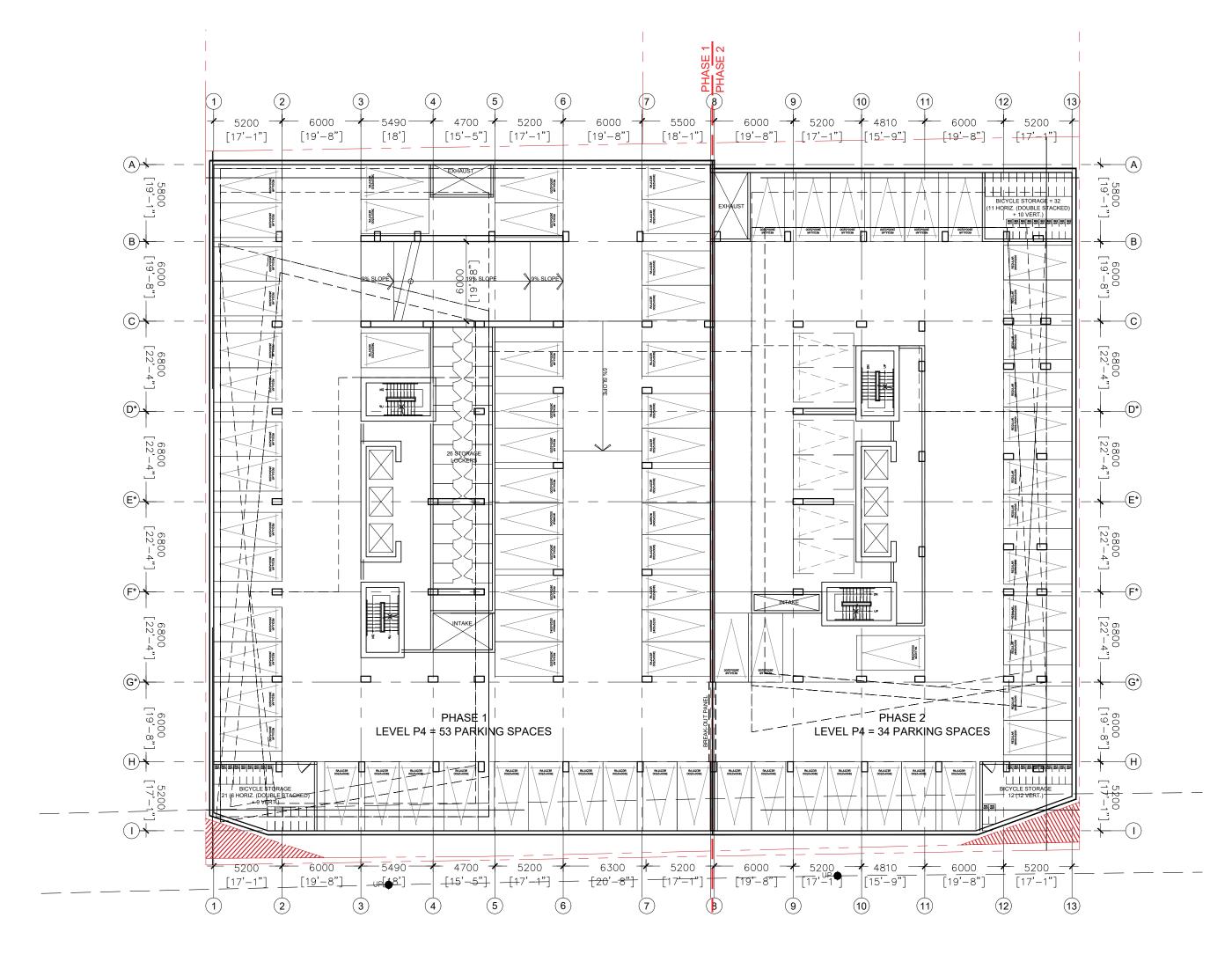
PHASE 2 (SOUTH):		
Total Gross Building Area	201,545 sq.ft.	
Total Net Leasable	163,385 sq.ft.	(81.07% efficiency)
Net Leasable (Residential)	161,442 sq.ft.	
Net Leasable (Comm./Retail)	1,943 sq.ft.	
Total No. of Units	239	
Average Unit Size	675 sq.ft.	
Net Leasable (Comm./Retail) Total No. of Units	1,943 sq.ft. 239	

. %
9%
-
4 60%
4%
23%
4%

Required Amenity: 15,430 sq.ft. Provided Amenity: 20,520 sq.ft. (15,050 sq.ft. exterior) Required Shared Amenity: 7,715 sq.ft. Provided Shared Amenity: 14,744 sq.ft. (9,274 sq.ft. exterior)

134 Parking Spaces provided at levels P1, P2, P3 and P4 24 Visitor (0.10 visitor ratio), 110 Residential (0.46 residential ratio)

Plan_Parking Levels



PARKING STATISTICS (4 LEVELS):

PHASE 1 + 2 COMBINED:

326 Parking Spaces provided at levels P1, P2, P3 and P4 52 Visitor (0.10 visitor ratio), 274 Residential (0.54 residential ratio)

PHASE 1 (NORTH

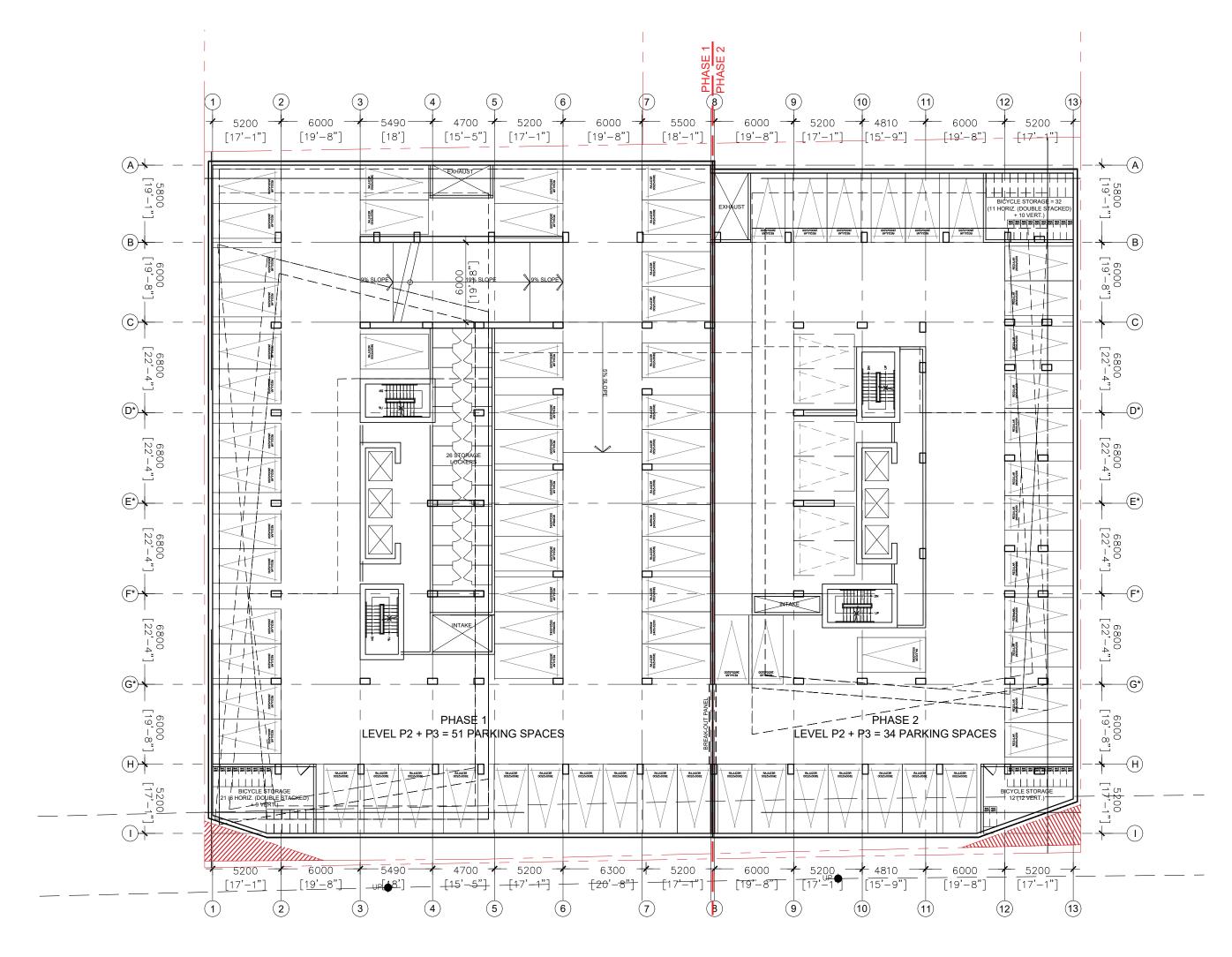
192 Parking Spaces provided at levels P1, P2, P3 and P4
28 Visitor (0.10 visitor ratio), 164 Residential (0.61 residential ratio)

PHASE 2 (SOUTH):

134 Parking Spaces provided at levels P1, P2, P3 and P4 24 Visitor (0.10 visitor ratio), 110 Residential (0.46 residential ratio)



Plan_Parking Levels



PARKING STATISTICS (4 LEVELS):

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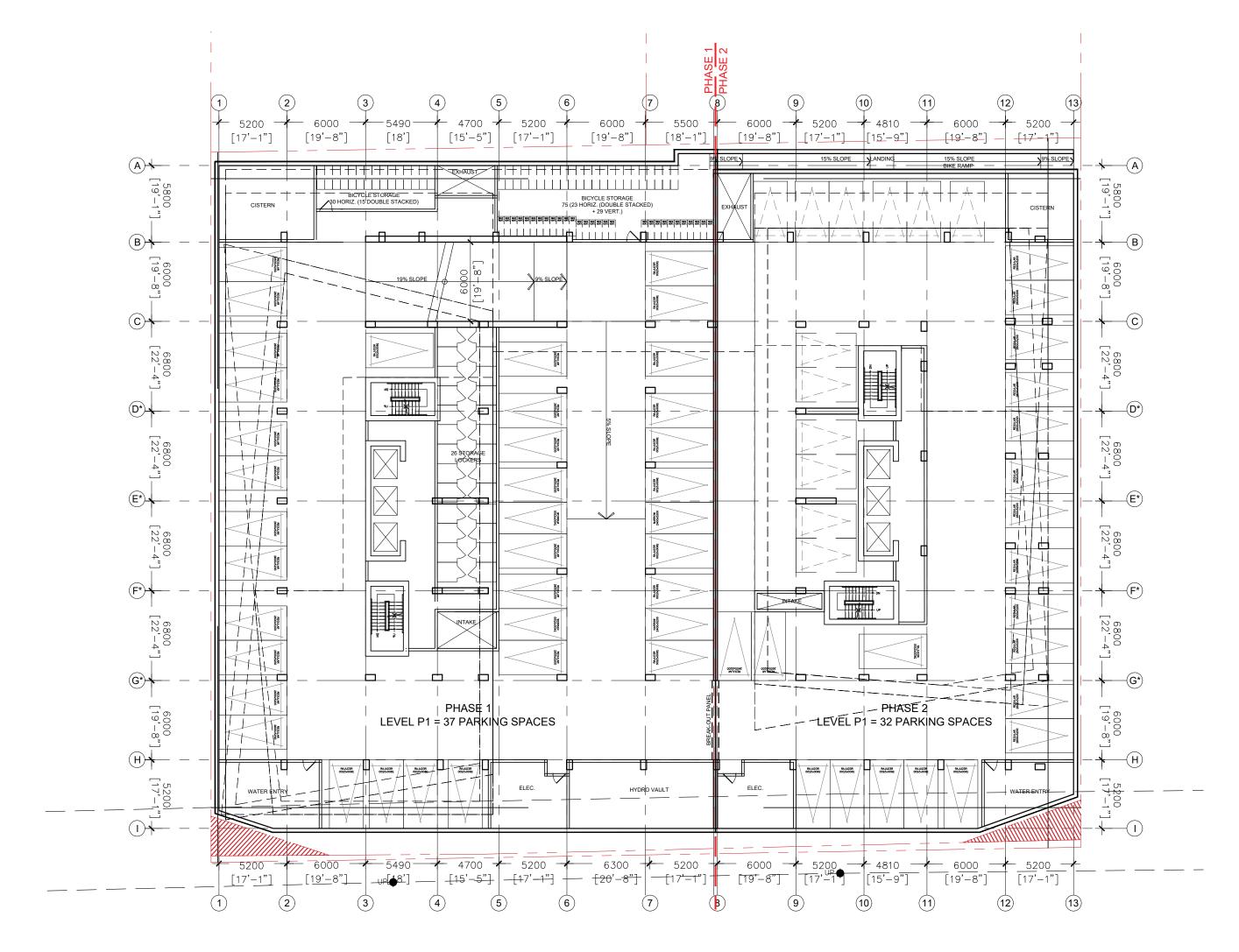
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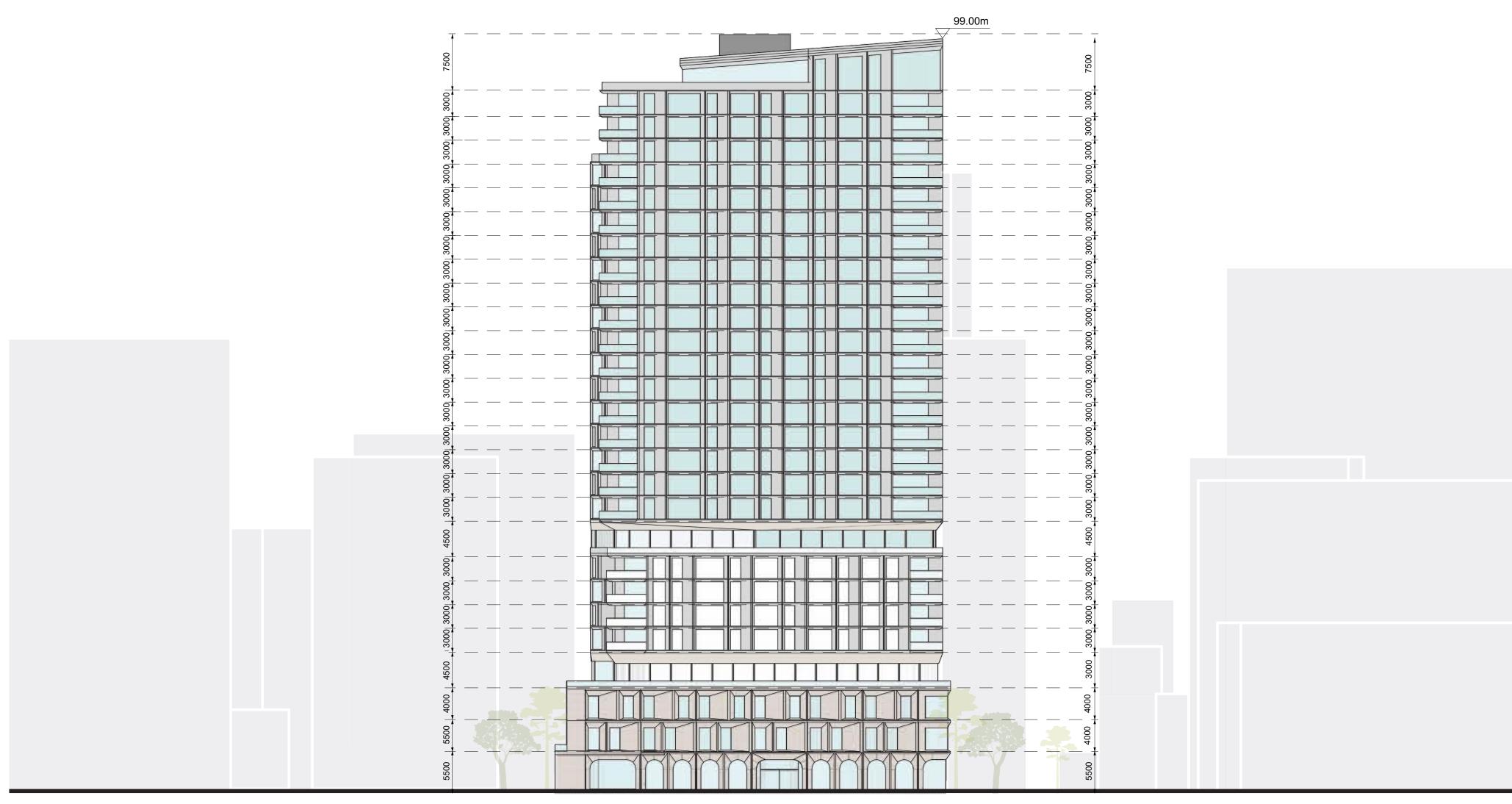
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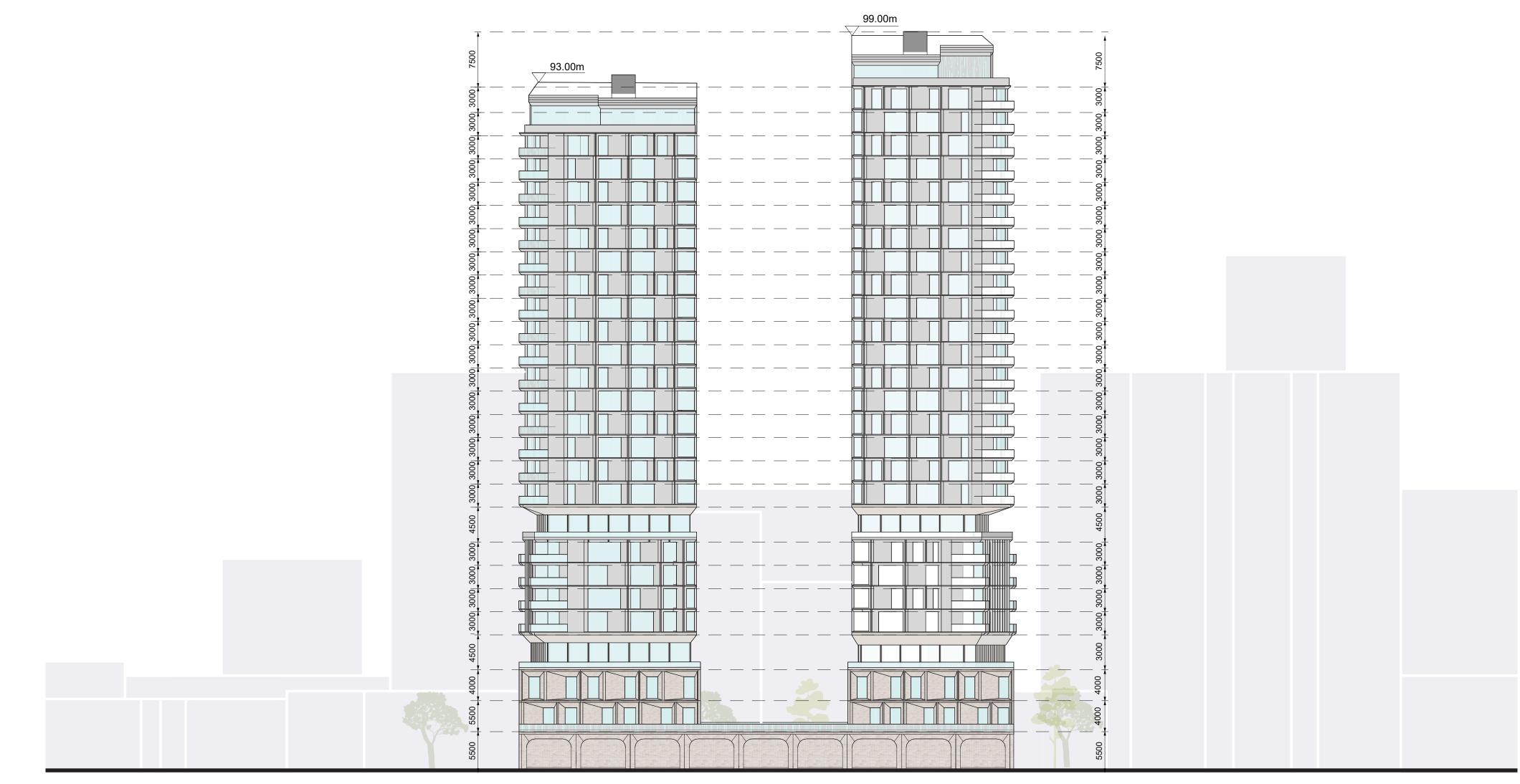
Elevation and Materiality_WEST



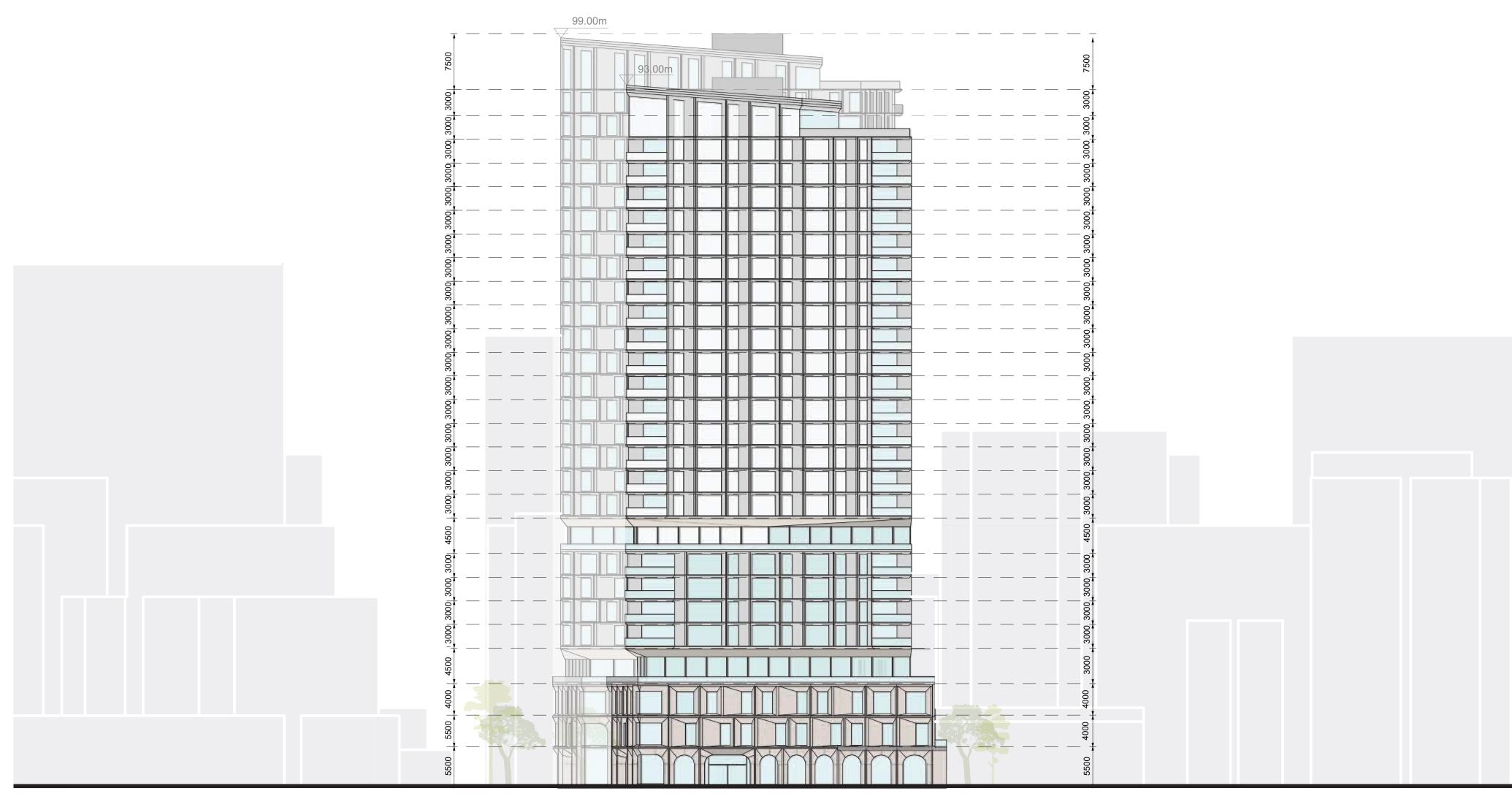
Elevation_NORTH



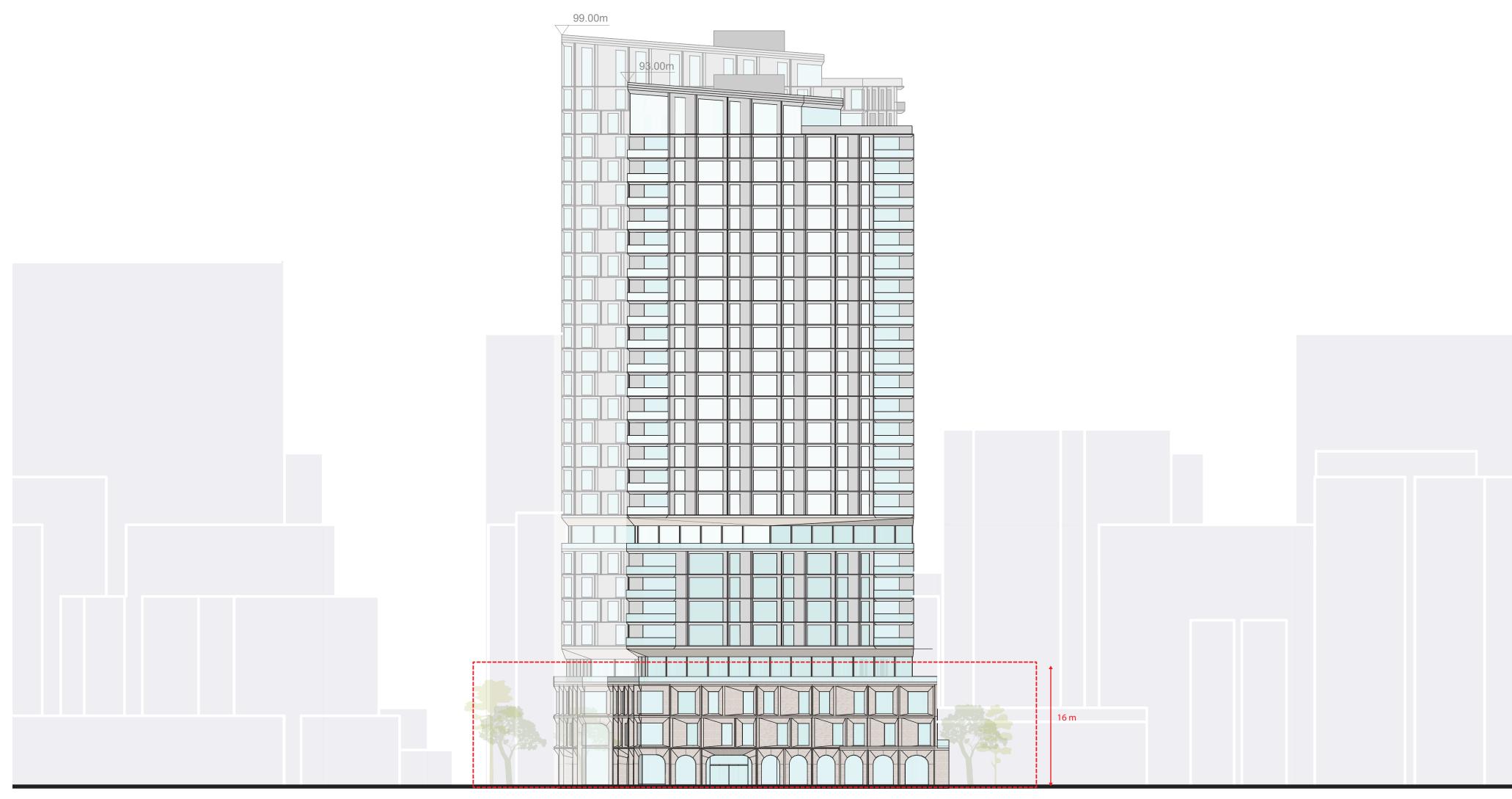
Elevation_**EAST**



Elevation_SOUTH



Bird Friendly Glass Strategy_Diagram



- 1_ UNStudio
- **2**_ Vision
- 3_ Context Analysis
- 4_ Architectural Approach
- **5**_ POPS
- **6**_ Tower Approach
- 7_ Sustainability Approach



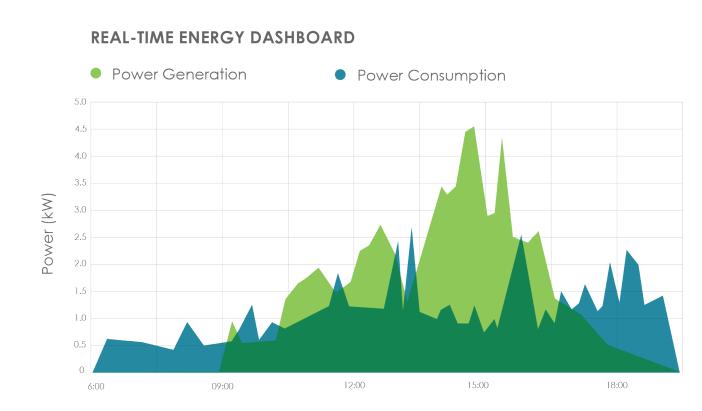
Sustaianability_Strategy

01

High Performance Building

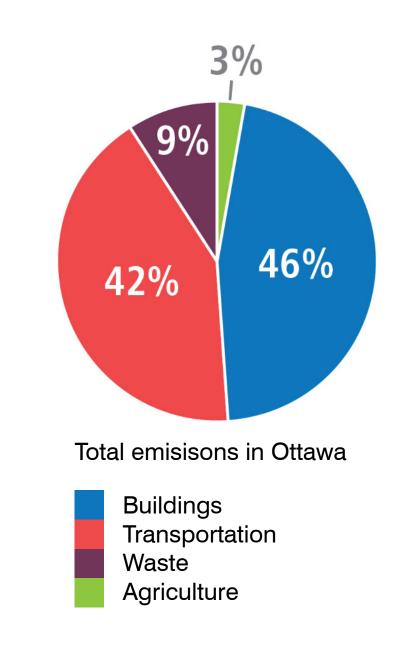
- Intelligent building systems
- Assess capacity for on-site renewable energy generation
- Real time energy dashboard





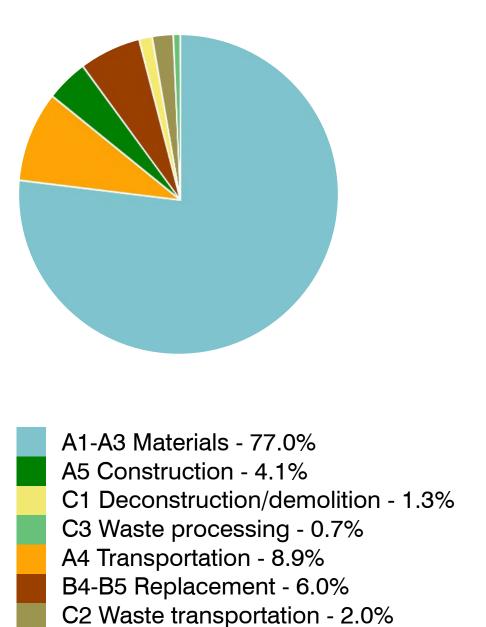
02Operational Energy Disclosure

- Enroll in Better Buildings Ottawa program for benchmarking and auditing
- Disclose operational data to the City of Ottawa's objective to accelerate adoption of low carbon building technologies



03Life-cycle assessment of Construction Materials

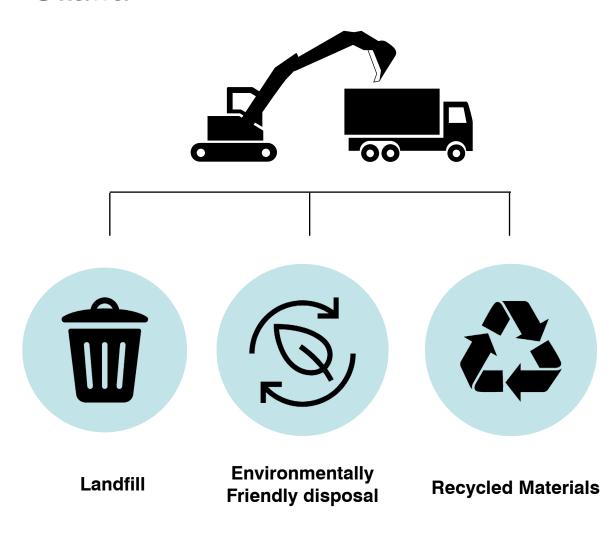
- Limited information on constrcutions materials used in the National Capital Region
- Assessment findings will inform procurement of lower-carbon materials where local options are available



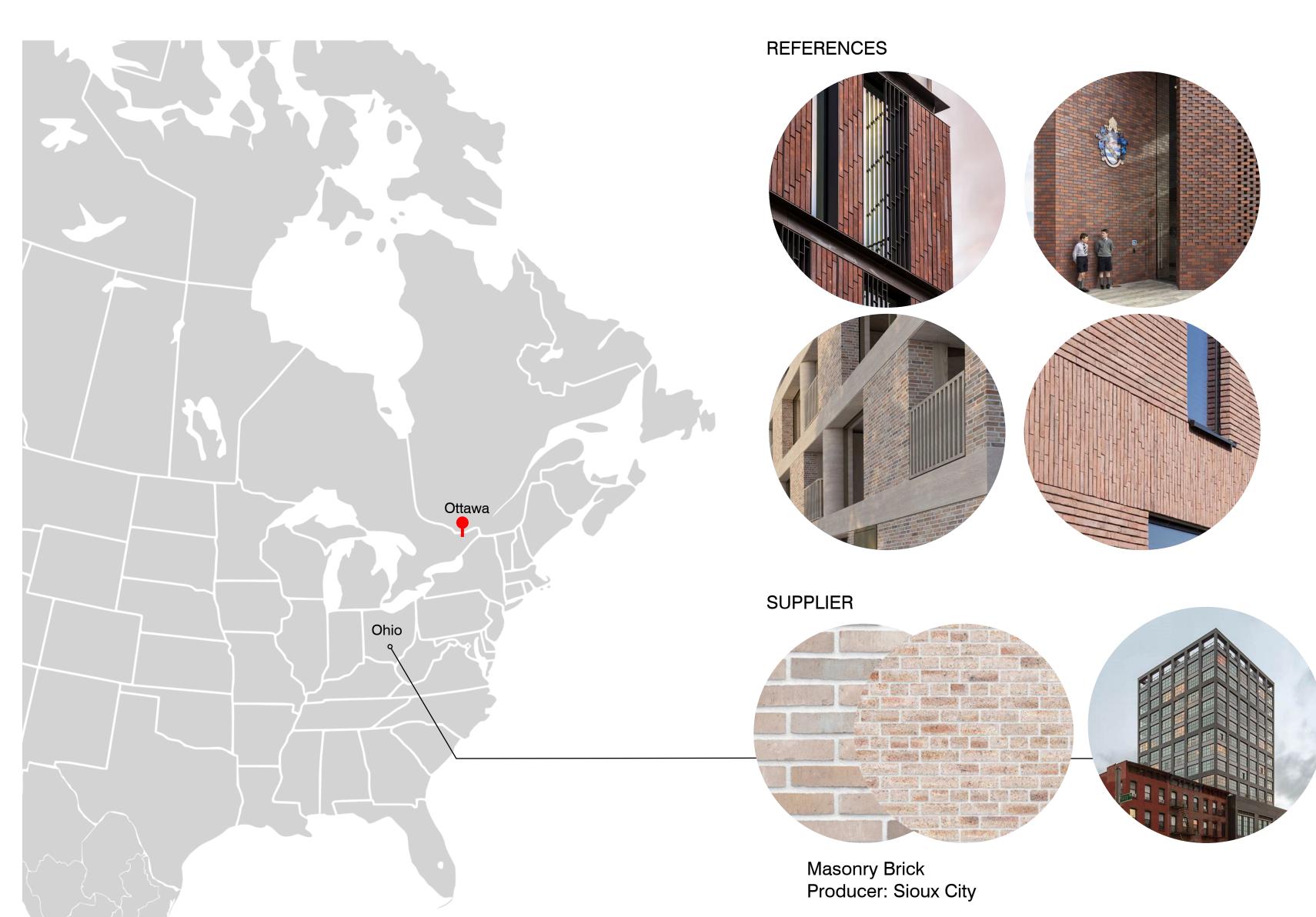
C4 Waste disposal - 0.0%

04Construction Waste Management

- Construction Demolition and Waste
 Management Plan will be implemented
 during the construction phase
- Plan will align with LEEDv4.1
 requirements and other existing best practices
- Project data (weight / volume, diversion rate, etc.) will be shared with the City of Ottawa

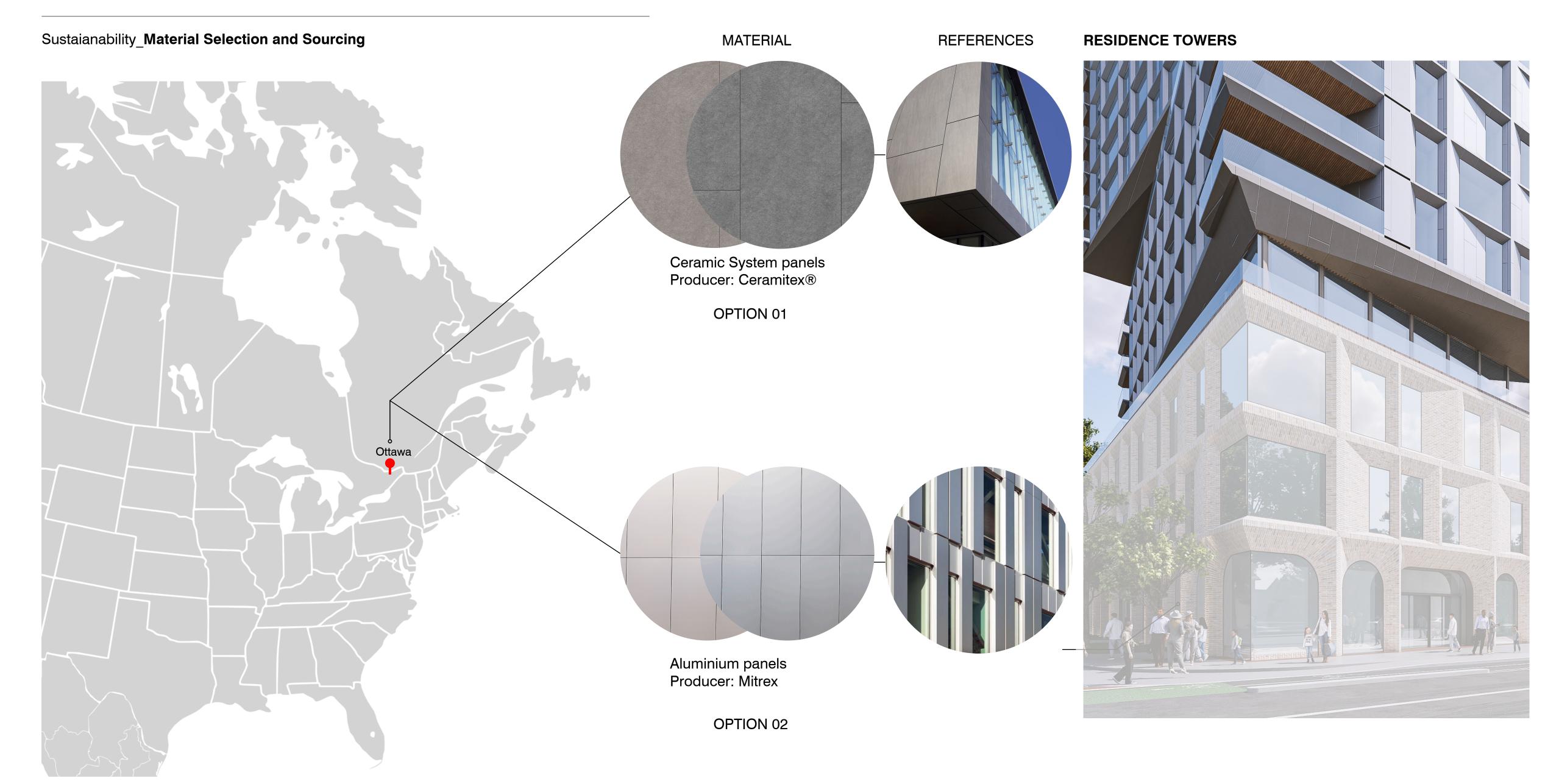


Sustaianability_Material Selection and Sourcing

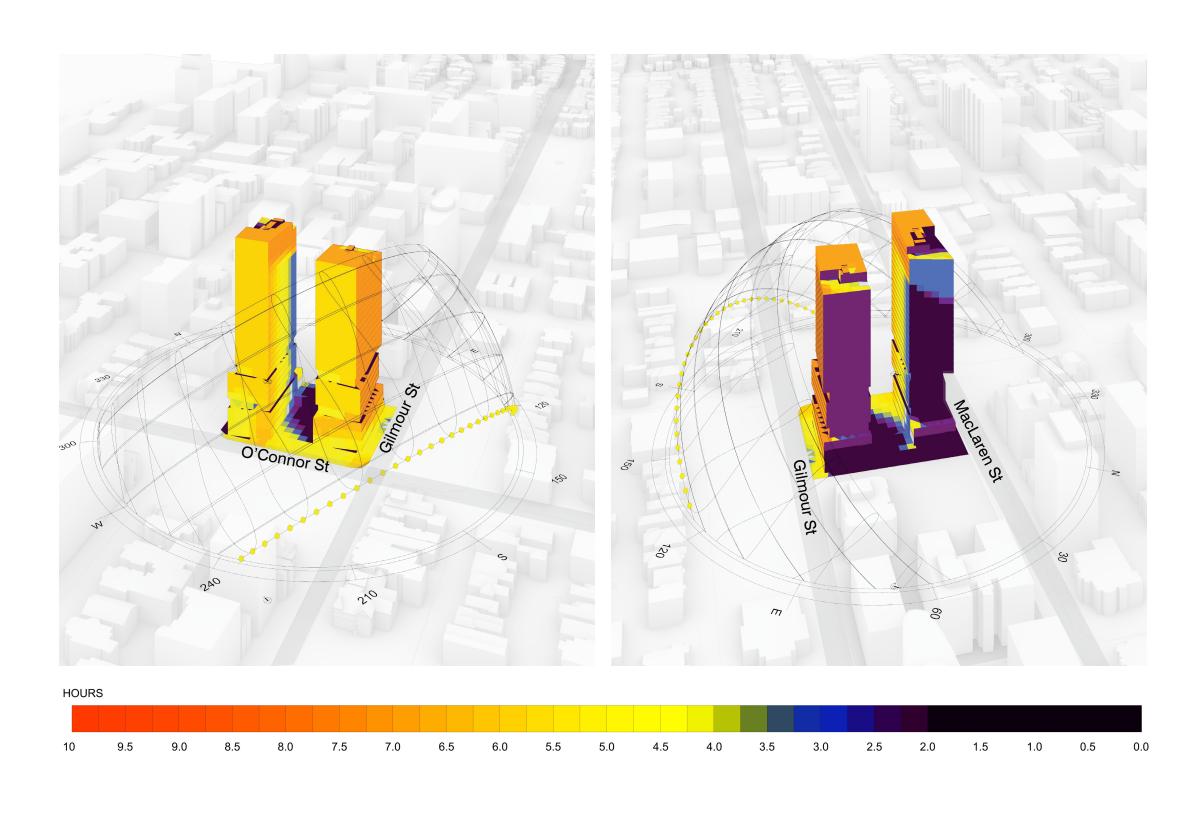


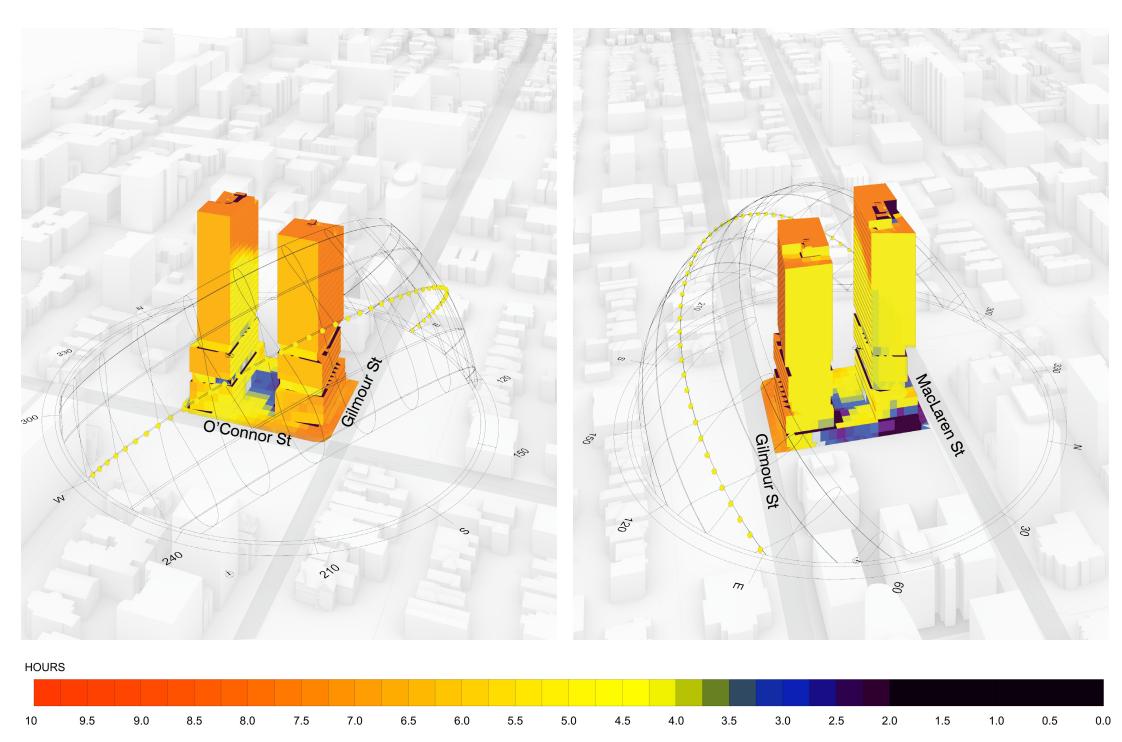
HERITAGE FACADE





Sustainability Approach_SUN STUDY



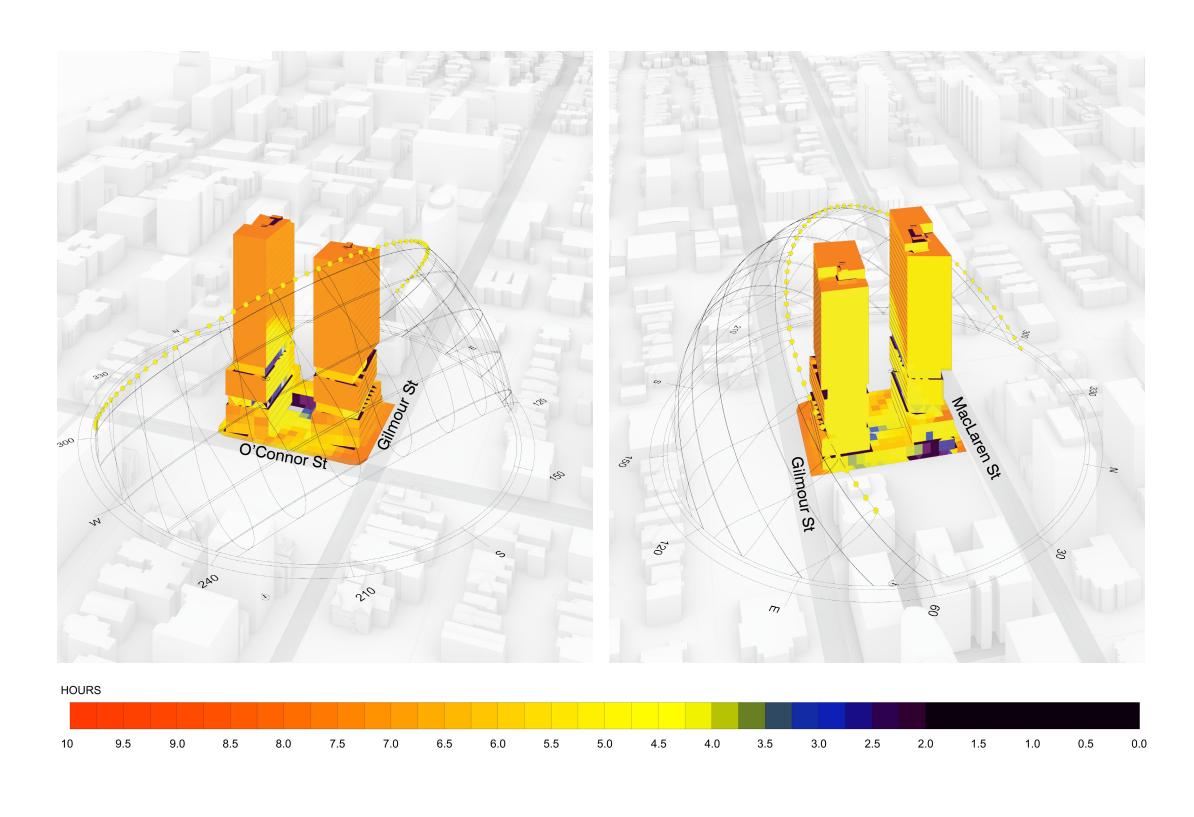


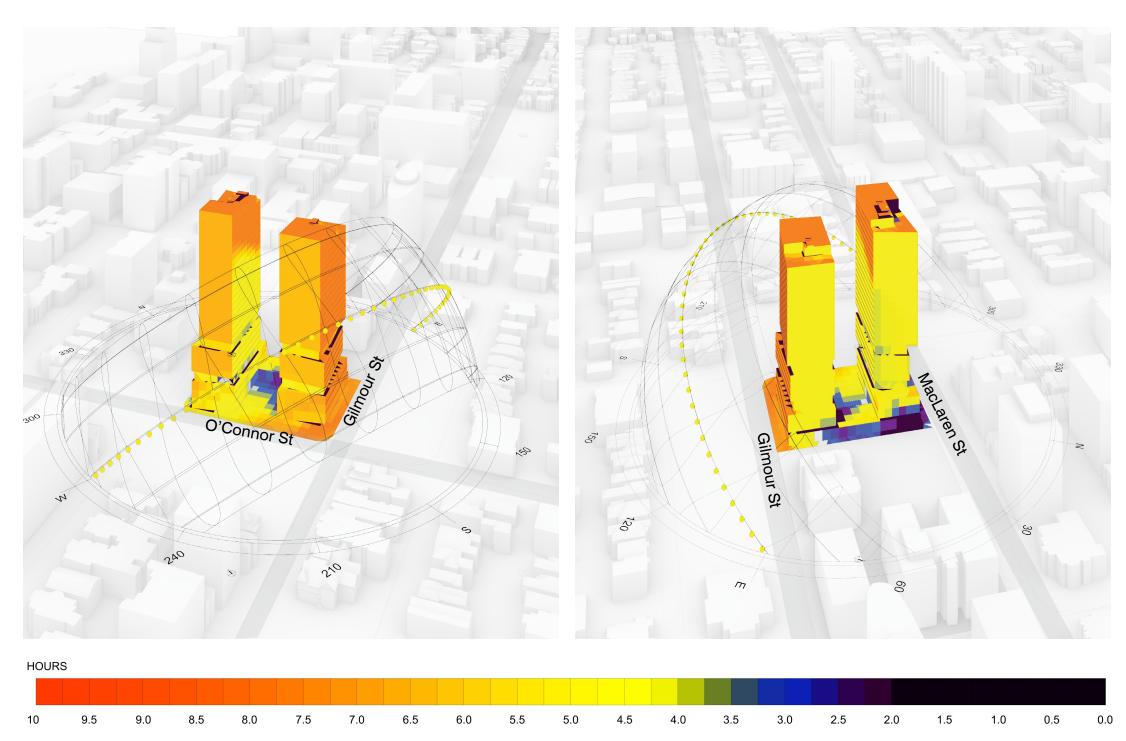
DECEMBER 21 MARCH 21

CONCLUSIONS:

- Facades facing OConnor Street and Gilmour Street receive the most sunshine
 Areas with most sun exposure are the optimal location for balconies

Sustainability Approach_SUN STUDY



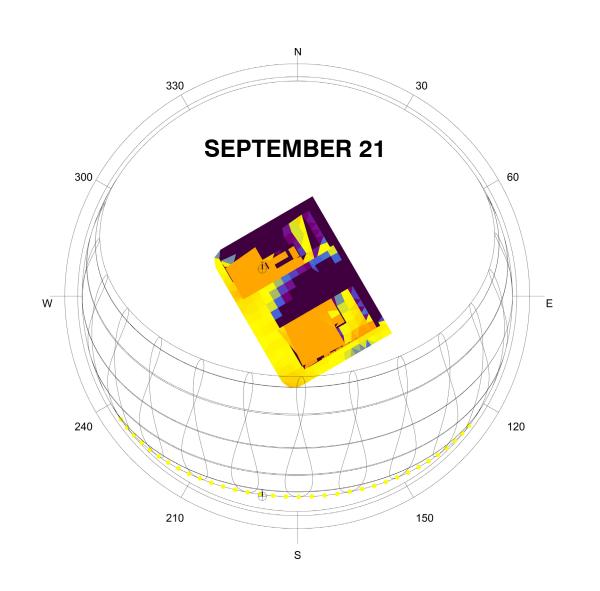


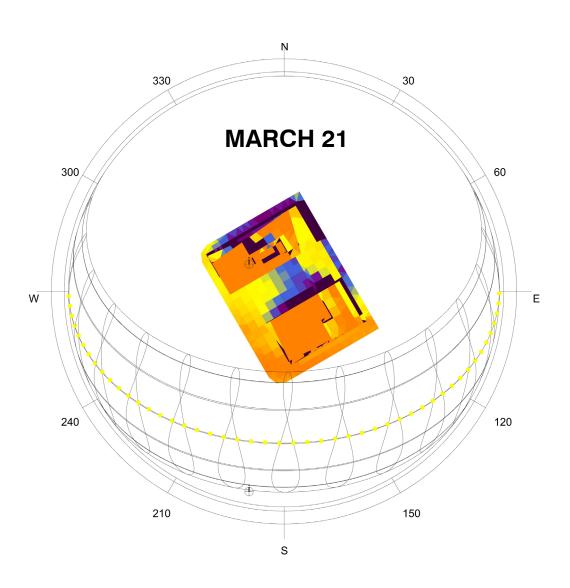
JUNE 21 SEPTEMBER 21

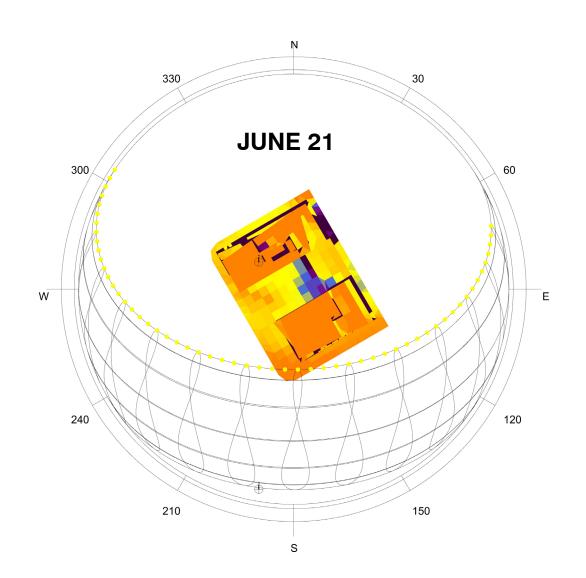
CONCLUSIONS:

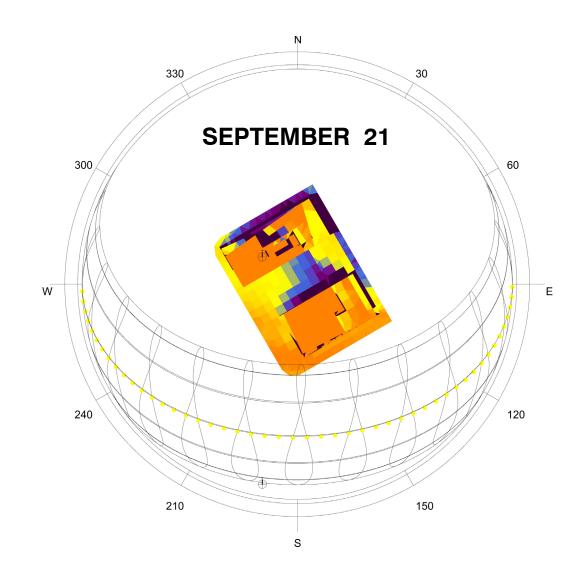
- In summer all exterior faces receive some amount of sun exposure
- Facades facing OConnor Street and Gilmour Street receive the most sunshine
 Areas with most sun exposure are the optimal location for balconies

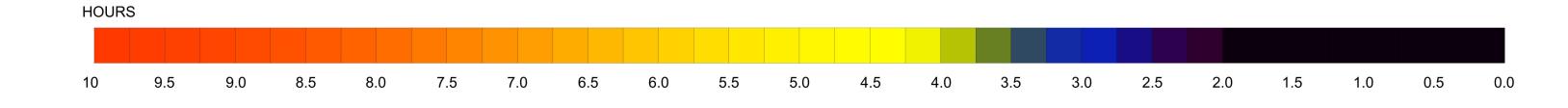
Sustainability Approach_SUN STUDY ATRIUM











CONCLUSIONS:

- Podium receives the most sun exposure in the south and South west areas
- The south tower casts shade on the central area of the podium (more significant from September to March)
- Skylights are located in the optimal area for sunlight exposure

