



M B Ш ILT F R ARCHITECTU RE page 1

## **SITE CONTEXT AND CHALLENGES**

LIMITED ACCESS TO 71<sup>ST</sup> R.O.W. **IRREGULAR CURVED GEOMETRY INTERFACE WITH 71<sup>ST</sup> STREET BRIDGE** 

## **PLANNING CONCEPTS**

**PEDESTRIAN CONNECTIONS COURTYARDS AND VIEW SHEDS MASSING DIAGRAMS** 

## **BUILDING DESIGN INSPIRATIONS**

MIMO ARCHITECTURAL LANGUAGE **RESILENCY AND SUSTAINABLE PRACTICES ASYMETRICAL AND ANGULAR FORM** 

# **Final Submittal PB REVIEW** 12.14.2020

880 71<sup>st</sup> Street,



# Miami Beach, FL

BUILT F D ARCHITECT

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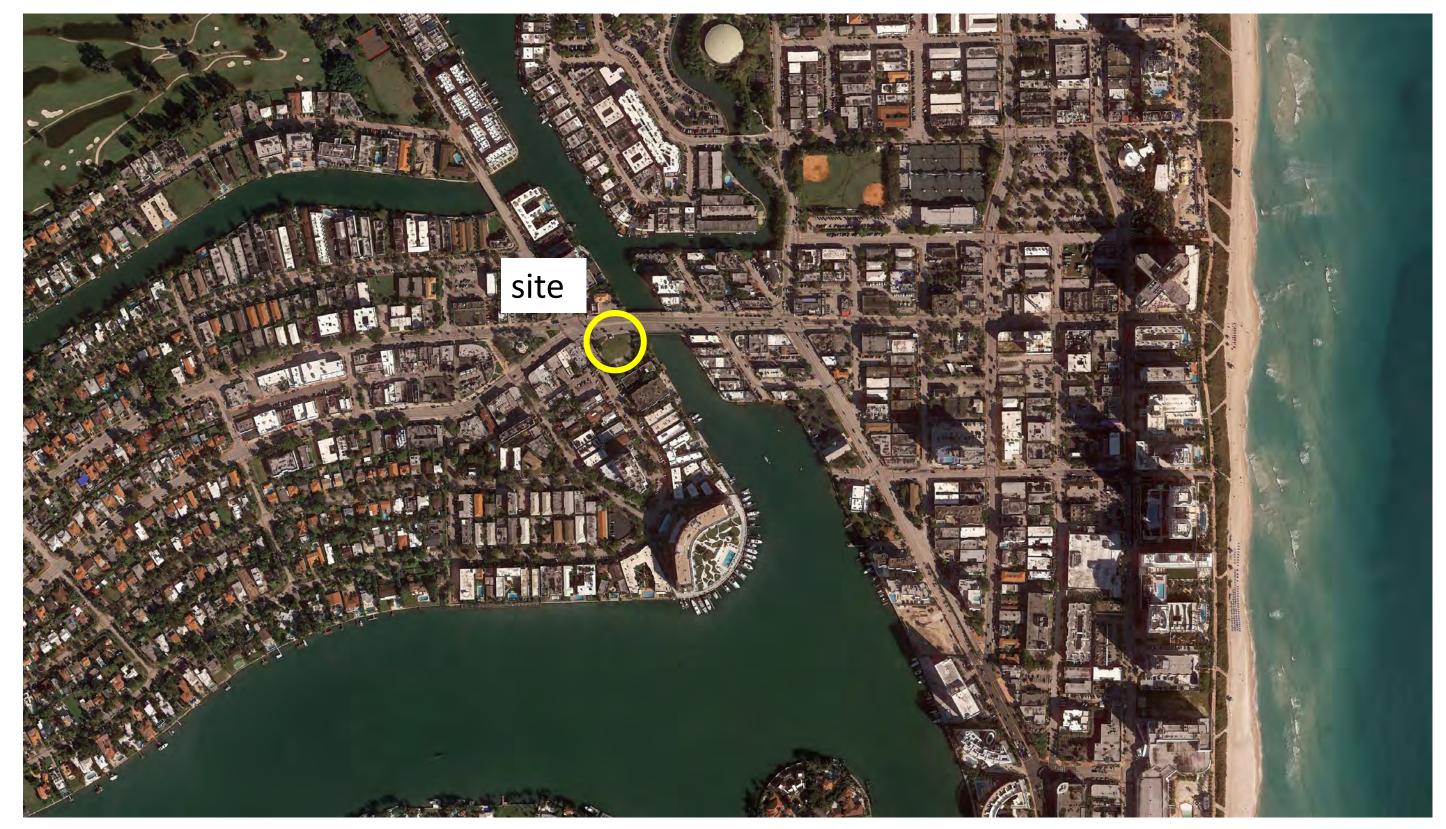
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вЦ ILT F O R ARCHITECTU



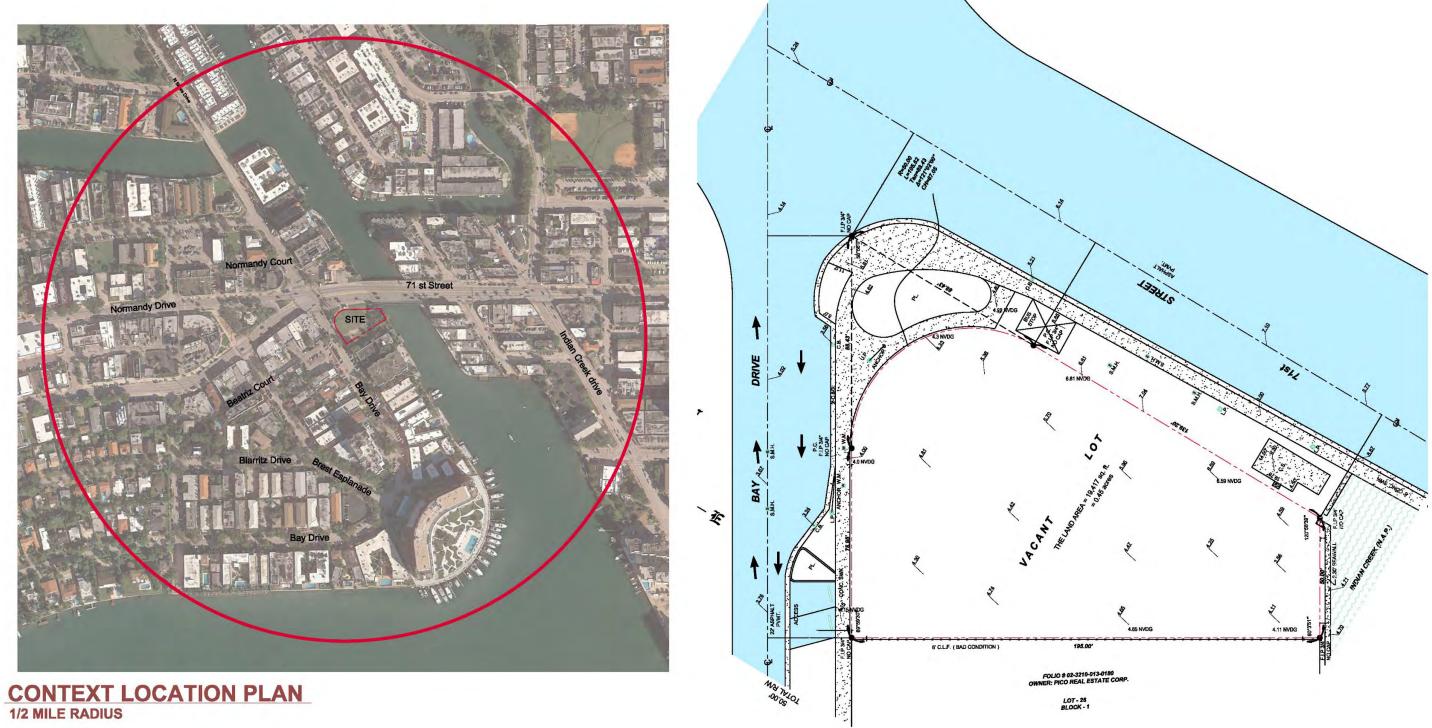






#### **AERIAL PHOTOGRAPH**

M L Т F R Ш ARCHITECTURE page 4





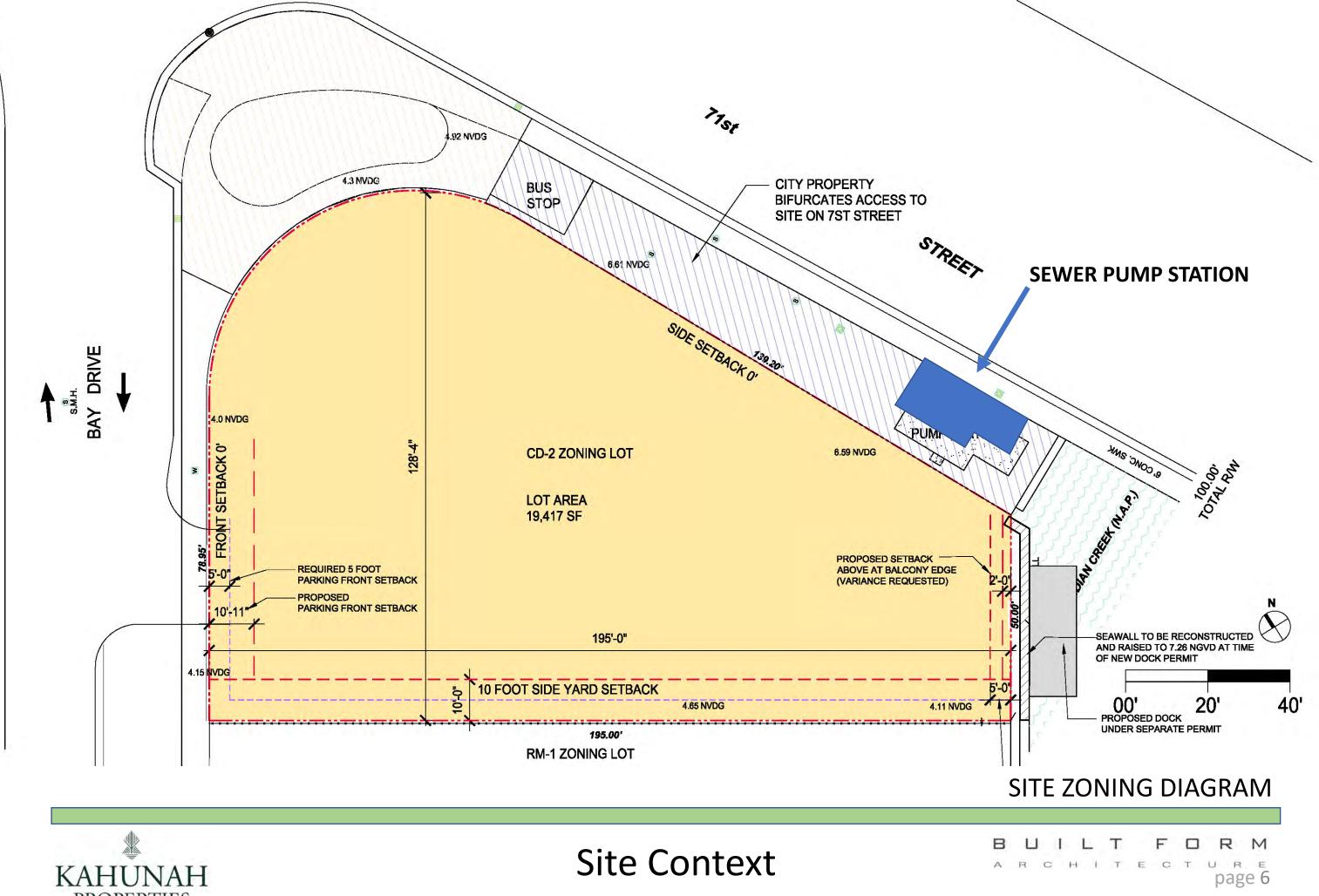




#### SURVEY

#### в RM Ц ILT F

ARCHITECTURE page 5















#### SITE PHOTOGRAPHS

в RM L ILT FΟ авснітестиве page 7





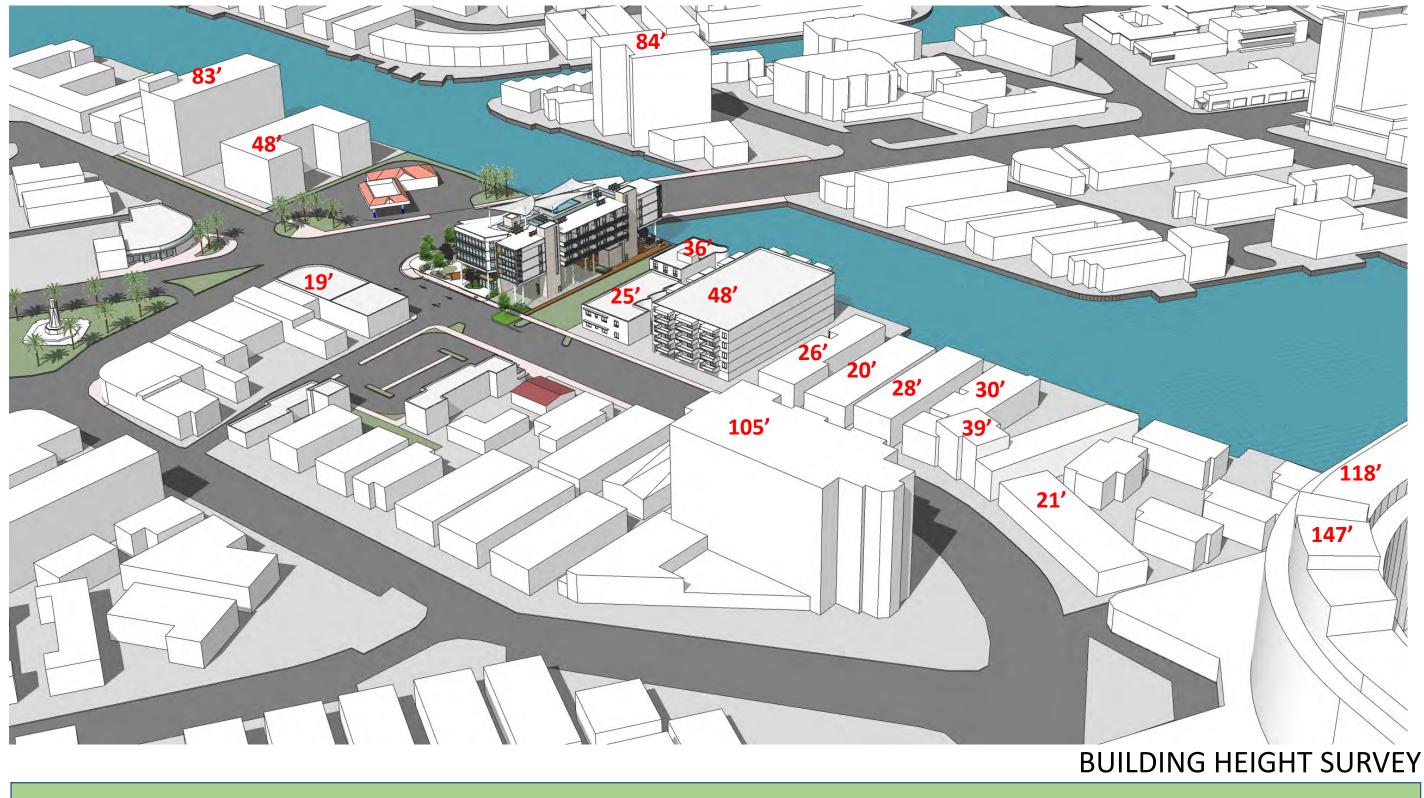






#### SITE PHOTOGRAPHS

BUILT RM FΟ ARCHITECTURE page 8









RM вЦ ILT FΟ ARCHITECTURE page 9

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The pedestrian experience is designed to allow public passage thru the ground level to access the waterfront while providing openness to light, air, and view sheds thru the site. The setback of the project from the intersection allows for a pedestrian scaled experience that ties this space to the fountain plaza and local residents on Bay Drive.

**Planning Concepts** 

**KAHUNAH** PROPERTIES



**Pavilion structures** 

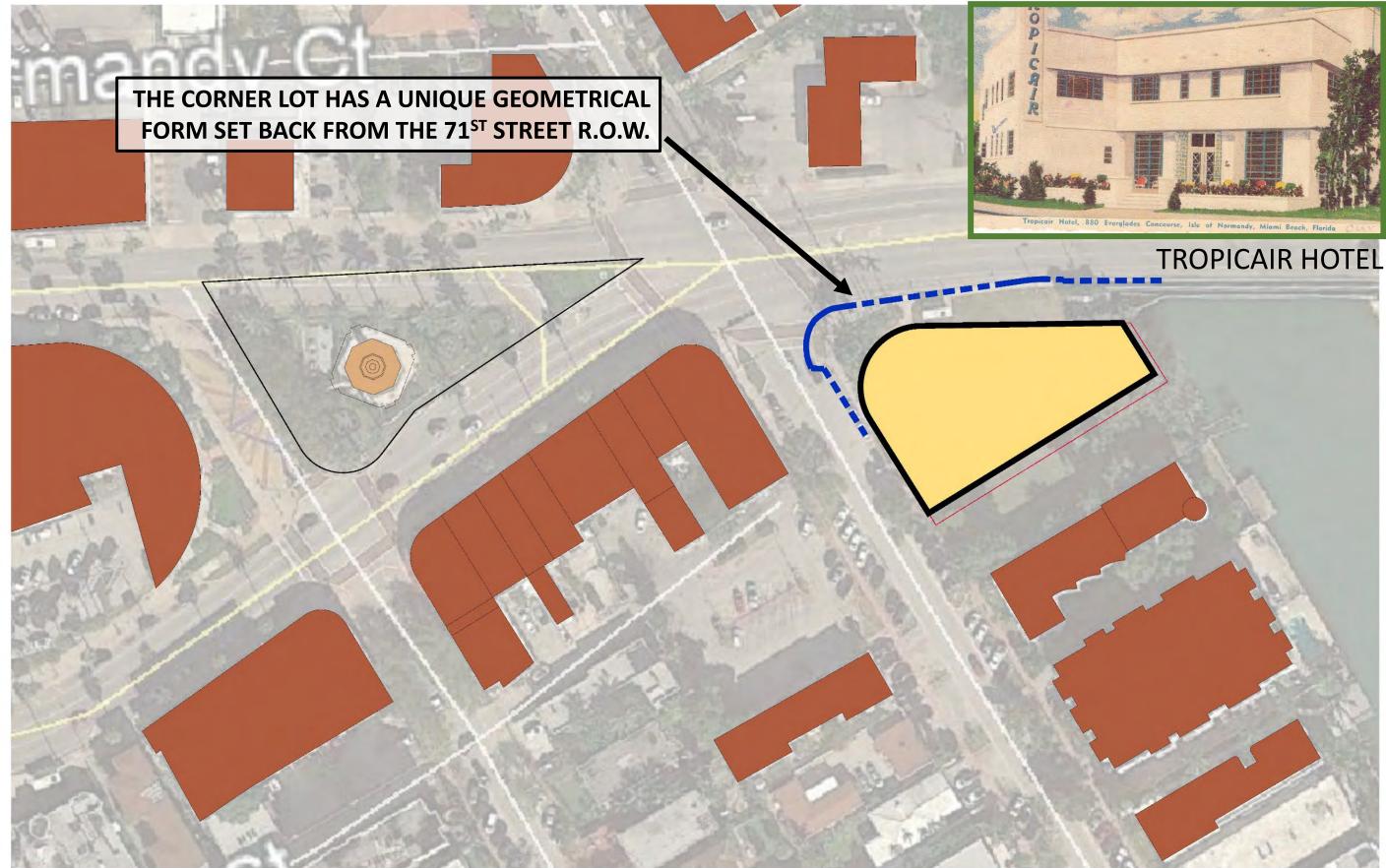


Neighborhood access

#### Public space access

### FIGURE GROUND DIAGRAM

M В R T ARCHITECT U page 11

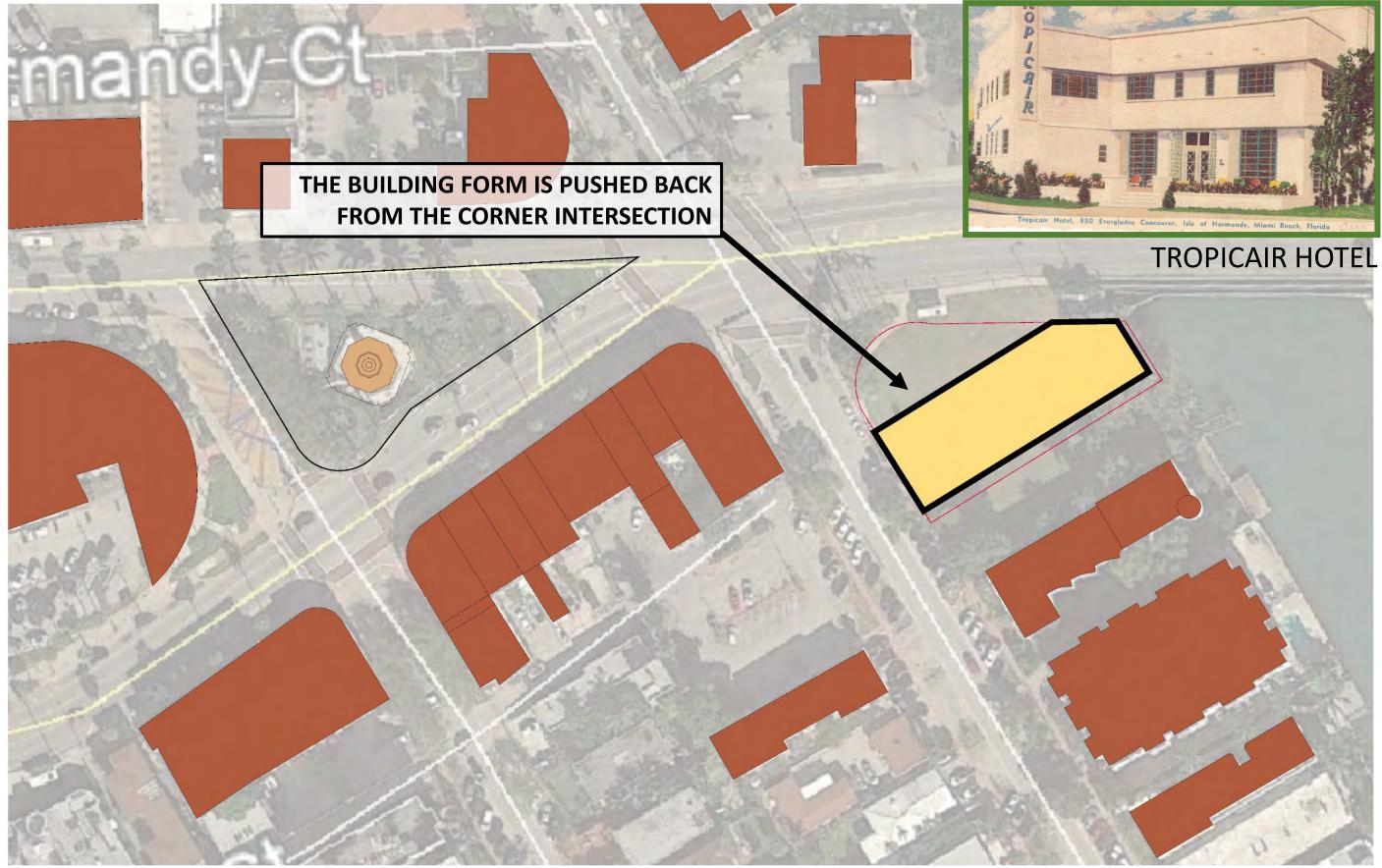






#### FIGURE GROUND DIAGRAM

RM в L F 11 LT a R C H I T E C T U R E page 12

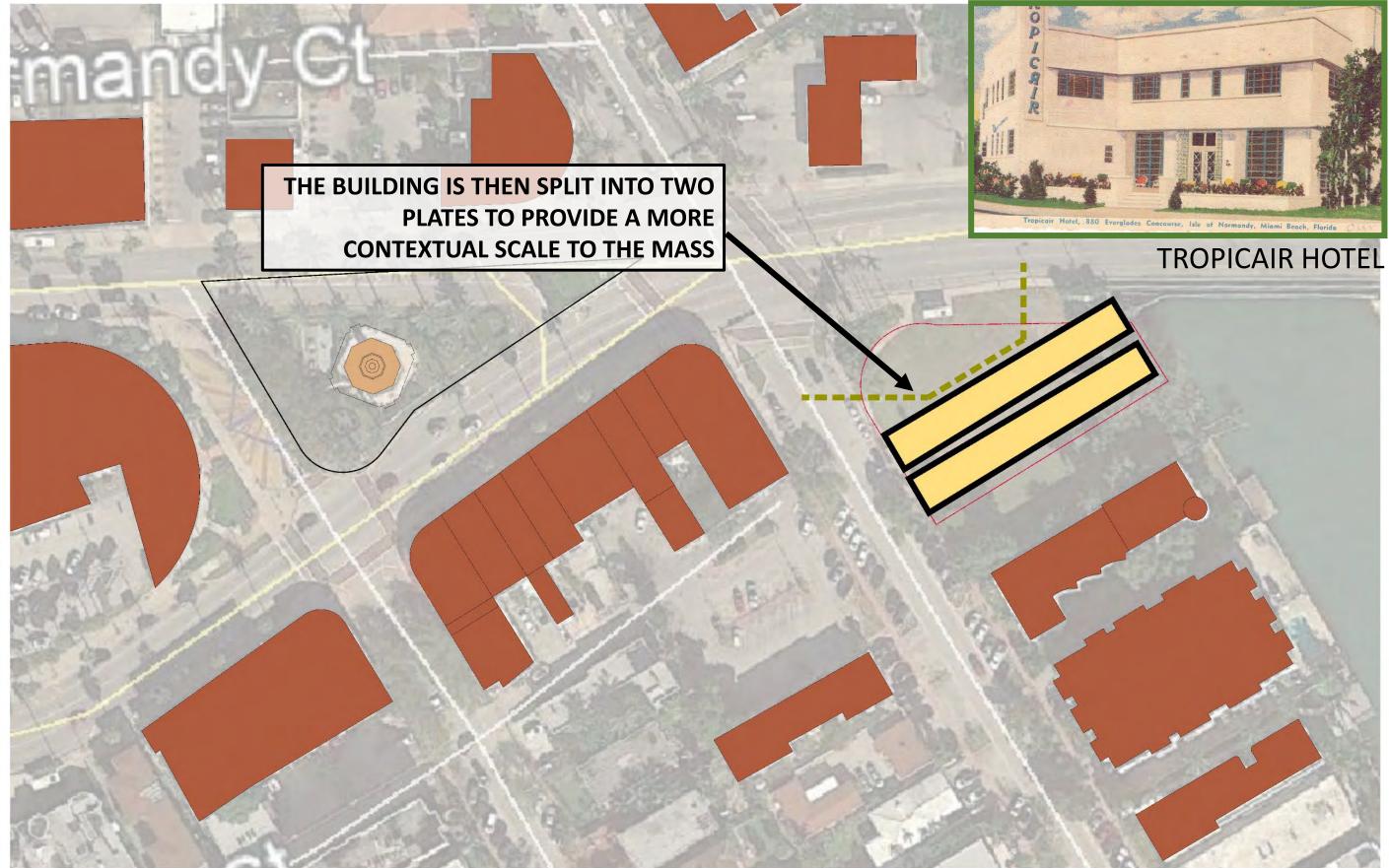




**Planning Concepts** 

#### FIGURE GROUND DIAGRAM

RM в L LT F 1 a r c H I T E C T U R E page 13



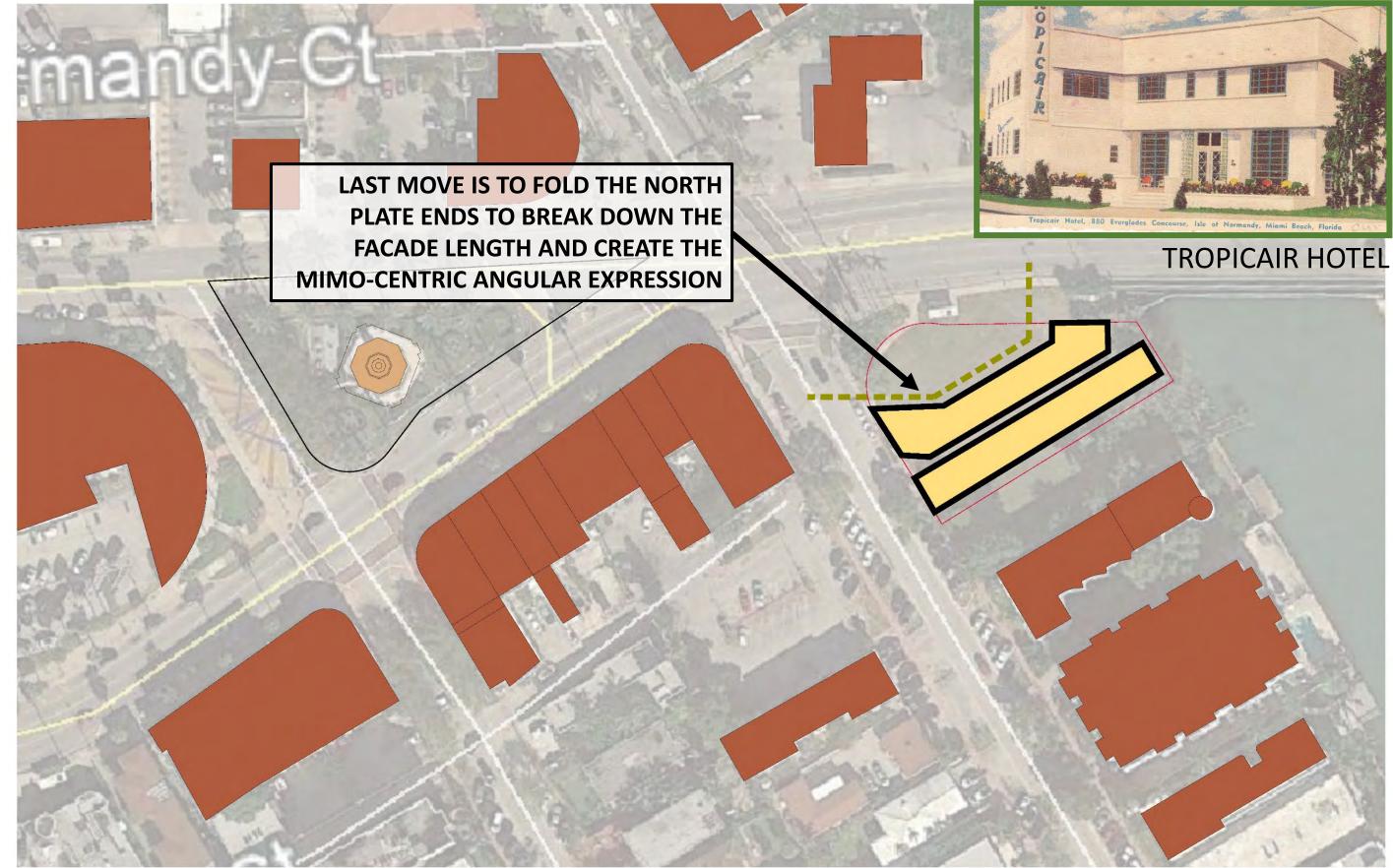






#### FIGURE GROUND DIAGRAM

RM в L ILT F a R C H I T E C T U R E page 14



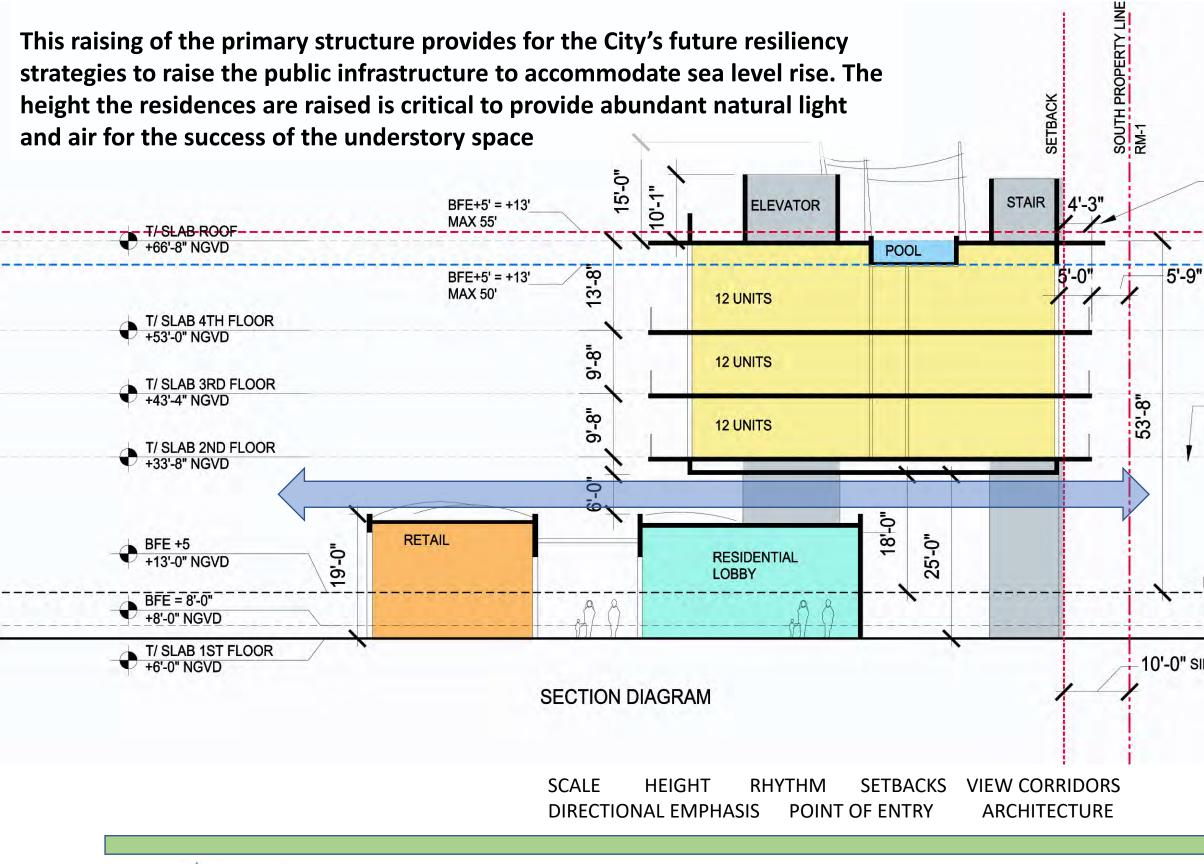






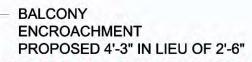
#### FIGURE GROUND DIAGRAM

RM в FO Ш ILT a r c h i t e c t u r e page 15 The building design diagram separates the human scale pavilion structures from the housing units above.





Design Concept



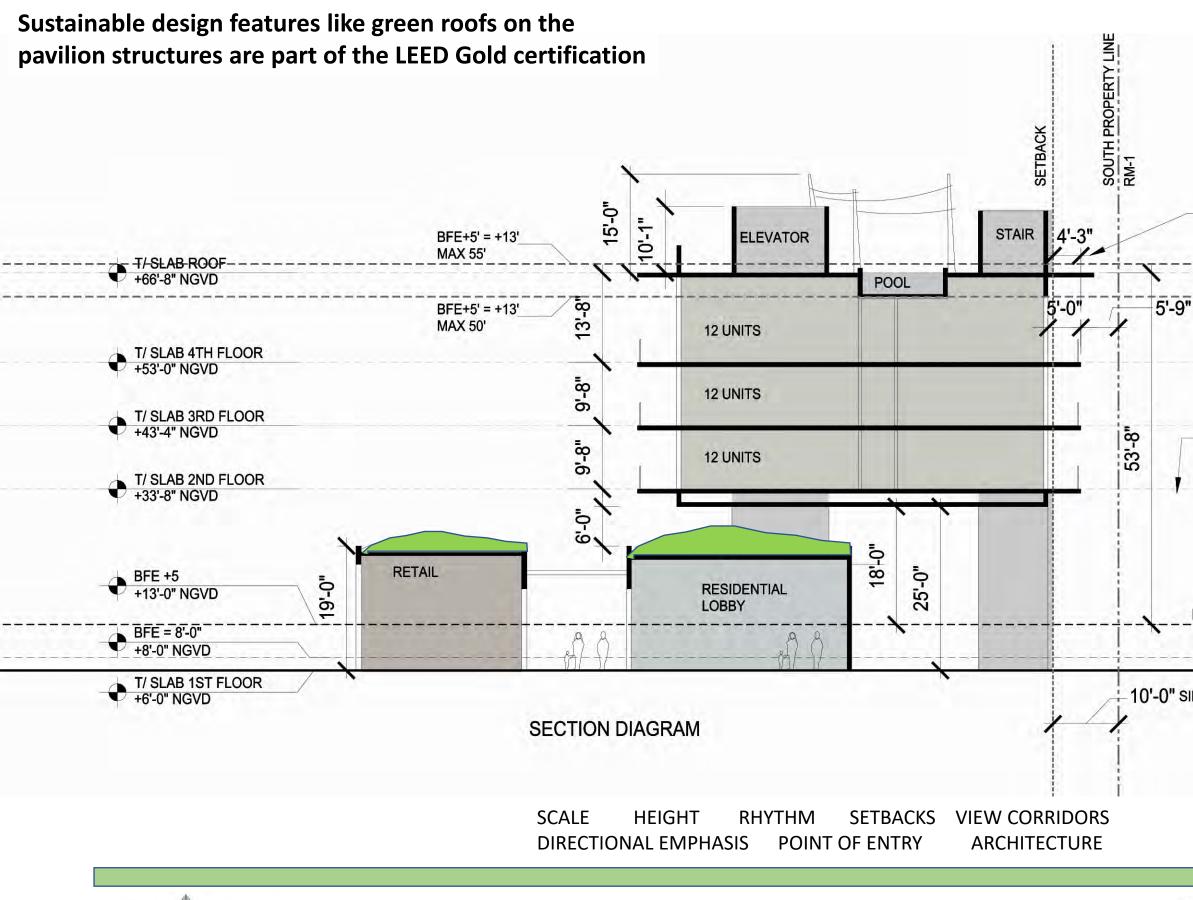
BUILDING HEIGHT MEASURED FROM BFE+5' TO TOP OF ROOF SLAB

BFE +5 FREEBOARD

10'-0" SIDE SETBACK

#### **DESIGN STRATEGY**

BUILT FORM ARCHITECTURE page 16





## **Design Concept**

#### BALCONY ENCROACHMENT PROPOSED 4'-3" IN LIEU OF 2'-6"

**BUILDING HEIGHT MEASURED** FROM BFE+5' TO TOP OF ROOF SLAB

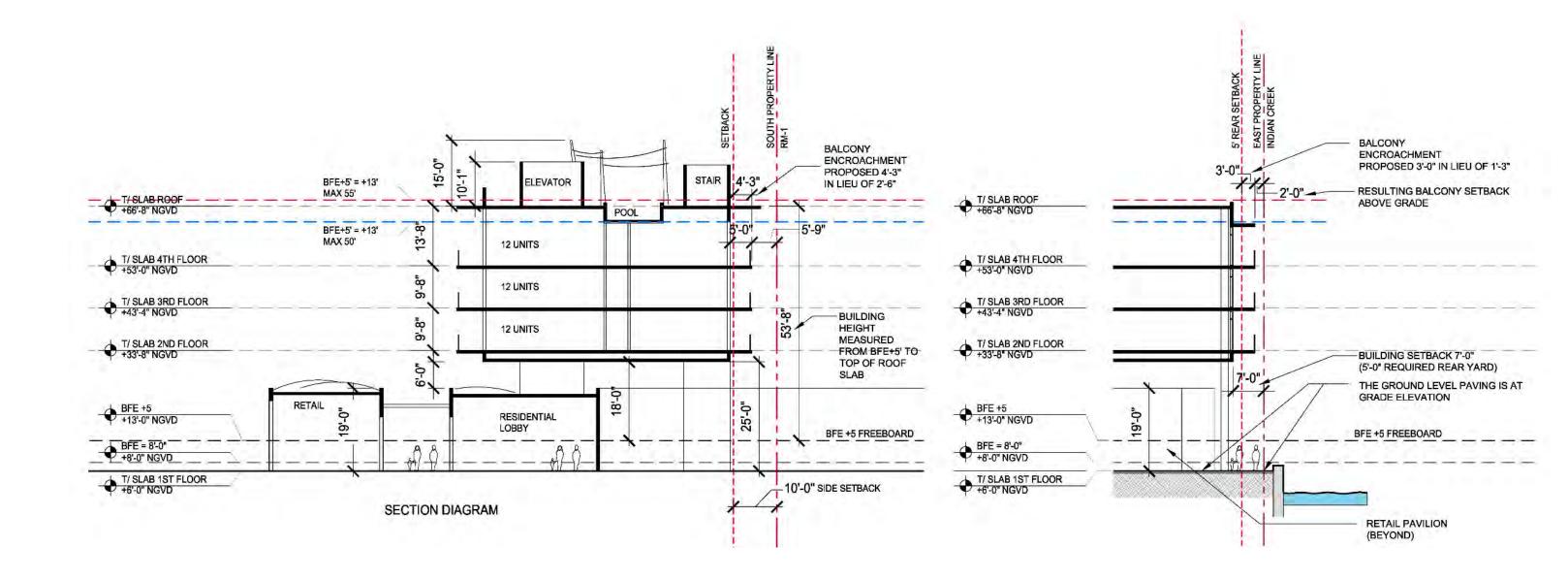
**BFE +5 FREEBOARD** 

10'-0" SIDE SETBACK

#### **DESIGN STRATEGY**

ILT F RM B L ARCHITECTURE page 17

#### **Proposed balcony encroachments**



SCALE HEIGHT RHYTHM SETBACKS **VIEW CORRIDORS DIRECTIONAL EMPHASIS** POINT OF ENTRY ARCHITECTURE



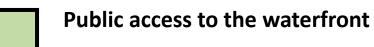
**Design Concept** 

#### **DESIGN STRATEGY**

в L ILT F RM ARCHITECTURE page 18

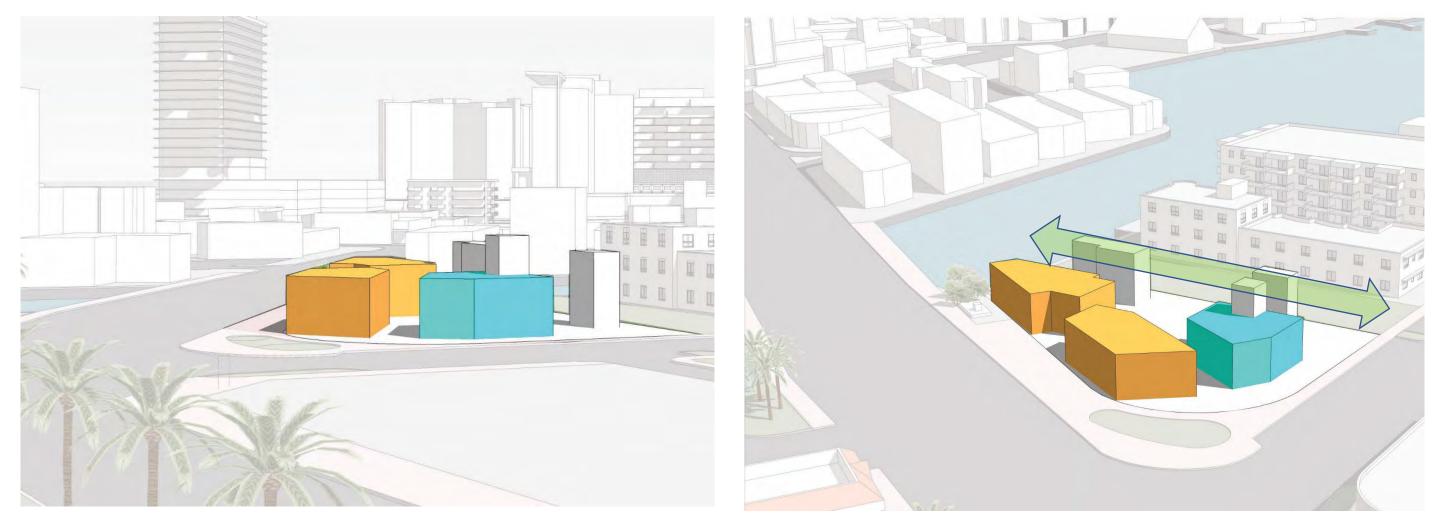


**Community servicing retail** pavilions





Main building entrance



Community serving retail and entry lobby that match the pedestrian and human scale of the surrounding buildings







#### **DESIGN STRATEGY**

R M В F T Ш ARCHITECT U RE page 19



Community servicing retail pavilions



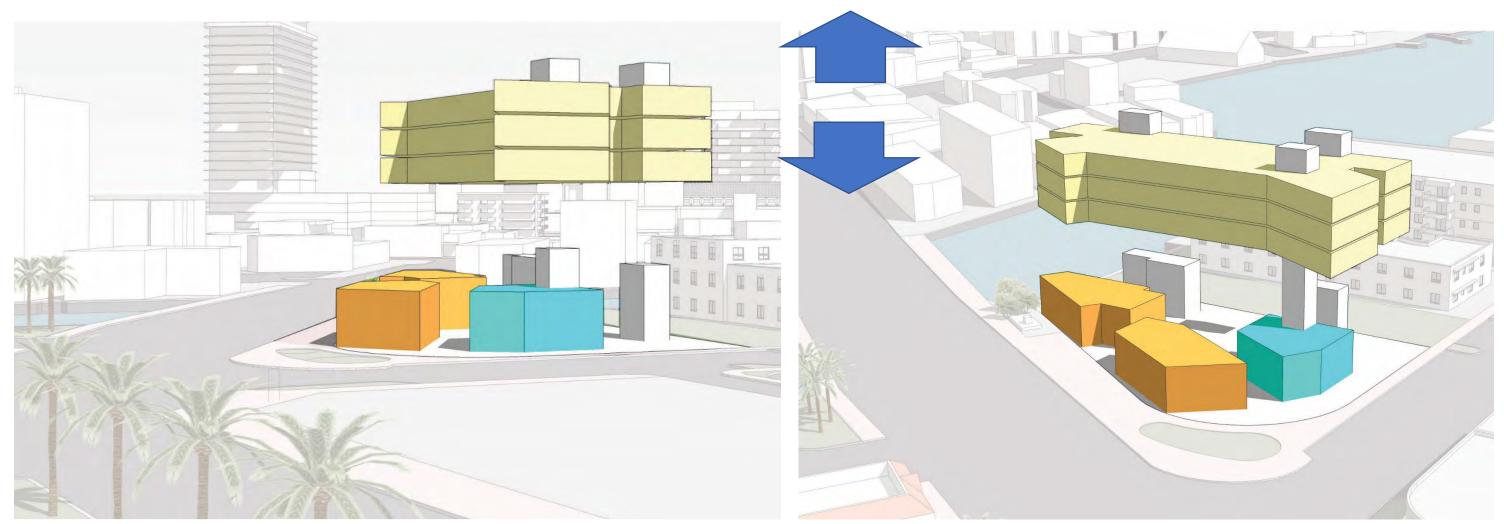
Public access to the waterfront



Main building entrance



**Residential apartments** 



The primary building mass is raised above grade to allow openness for light and air for the flex space and green courtyards below



Design Concept

#### **DESIGN STRATEGY**

BUILT FORM ARCHITECTURE page 20



Community servicing retail pavilions



Public access to the waterfront



Main building entrance



**Residential apartments** 



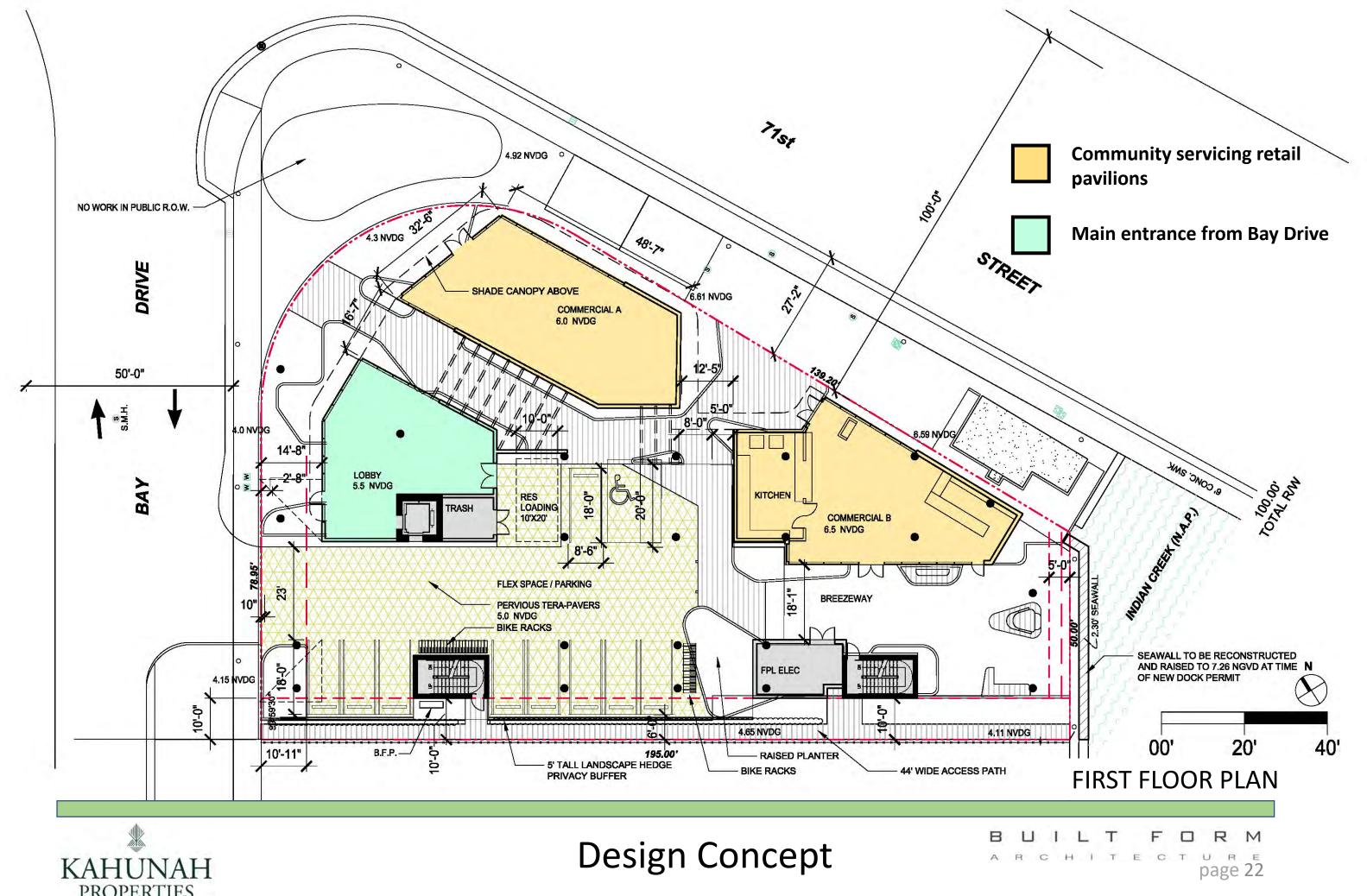
The final massing configuration responds to both the pedestrian-scale urban fabric and the neighborhood-scale street wall of layered adjacent buildings



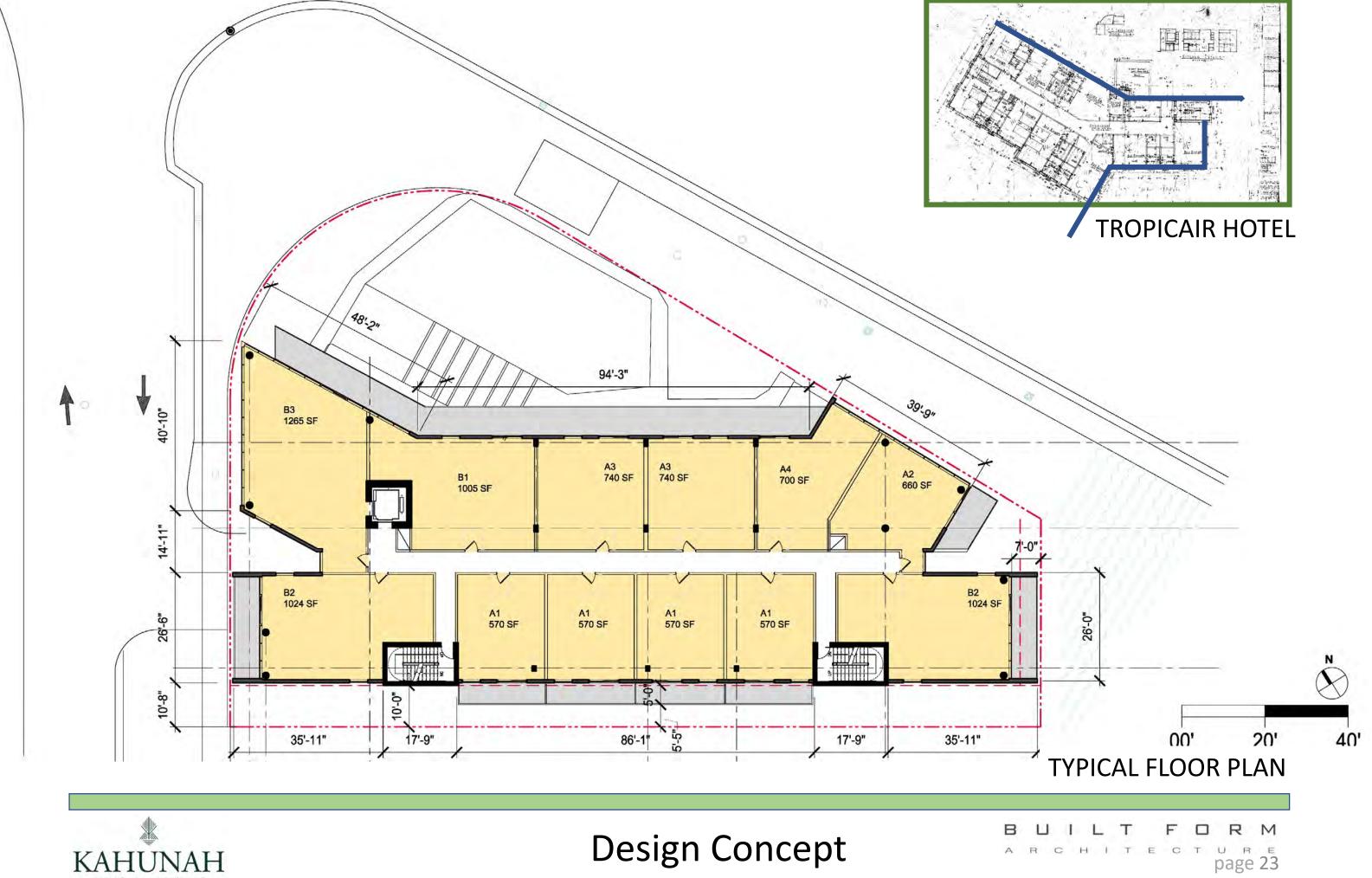
**Design Concept** 

#### **DESIGN STRATEGY**

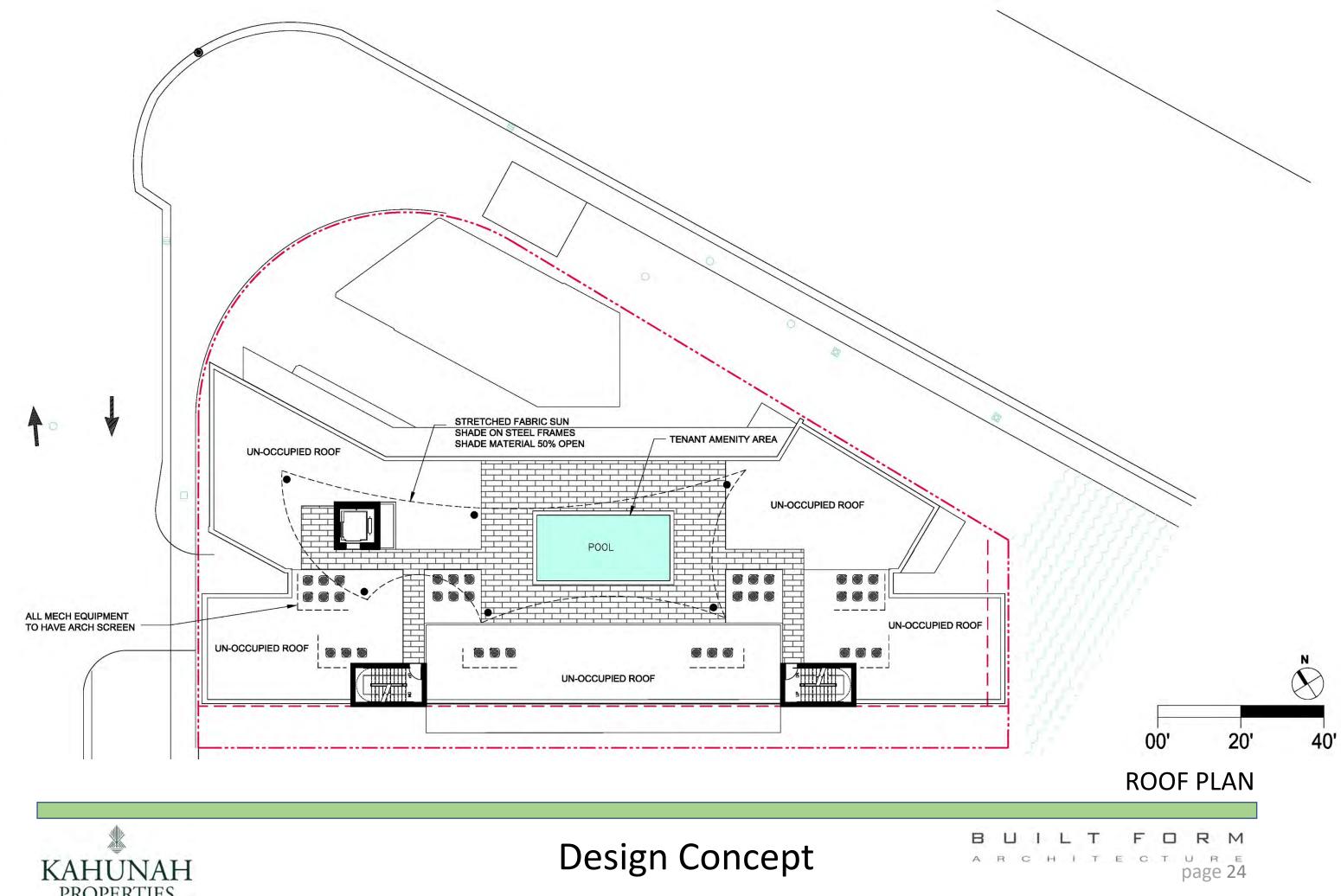
BUILT FORM ARCHITECTURE page 21













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BUILT F R ARCHITECT page 25



City of Miami Beach Planning Department

BUOYANTCITY **Historic District Resiliency** & Adaptation Guidelines Miami Beach Final Draft, March 2020

Shulman + Associates

Design guidelines and local research that informs the building architecture









### **DESIGN GUIDELINES**

I L T RM B F ARCHITECTURE page 26

# POST-WAR MODERN/MMO

## "CONTEXTUALLY RELEVANT BUILDING DESIGN THAT IS DERIVED FROM THE MIMO LANGUAGE BUT LOOKS FORWARD TO A CONTEMPORARY VISION OF THE FUTURE"

	SCALE	:	MASSING ARTICULATION TO BREAK DOWN THE BUILDING SCALE AND HEIGHT T
			THE ADJACENT URBAN FABRIC
	HEIGHT	1	TALLER STRUCTURES TO BE SET BACK FROM THE STREET, BREAKING DOWN THE
			RELFECT THE ADJACENT URBAN FABRIC
	RHYTHM	2	BREAKING DOWN THE MASSING TO CONFORM TO THE LOT WIDTH, CONTEXT BU
	SETBACKS	:	MAINTAIN THE URBAN STREETWALL, SITE THE BUILDINGS TO REINFORCE THE SU
	VIEW CORRIDORS		MAINTAIN VIEW CORRDIORS TO IMPORTANT STRUCTURES AND WATERFRONT
	DIRECTIONAL		
	EMPHASIS		PREDOMINANTLY HORIZONTAL STRUCTURES WITH STRONG VERTICAL BREAKS.
	LIVIPTIASIS	•	PREDOMINANTEL HORIZONTAL STRUCTURES WITH STRONG VERTICAL DREAKS. I
	POINT OF ENTRY	:-	ACTIVE GROUND LEVEL WITH DEFINED PEDESTRIAN ENTRANCES FROM THE STR
	-	-	
	ARCHITECTURE	-	EMBRACING THE MIMO LANGUAGE AND NEIGHBORHOOD VOCABULARY OF FO
			HISTORY OF THE DISTRICT WHILE NOT REPLICATING THE PAST





**TO REFLECT** 

E MASSING TO

**BUILDING PROPORTIONS** 

SURROUNDING CONTEXT

**ANGLUAR FORMS** 

REET

ORM TO REFLECT ON THE

#### **DESIGN GUIDELINES**

RM 11 ILT F B ARCHITECT U page 27



1.3.7 // INTEGRATE PUBLIC SPACES & RIGHT OF WAYS INTO THE VISION

- Develop a plan for public infrastructure, right-of-ways and public places in historic districts that is consistent with the adaptive character of those districts.
- · Consider public areas from a three-dimensional point of view. understanding that the variable raising of public and private realms will challenge current understandings of the historic district.
- · Anticipate the complex relationship that will develop as the adaptation of streets, sidewalks, yards and buildings is staged at different levels, creating a multi-level city.
- Consider ecological goals in its future infrastructure planning.
- Consider the capacity to serve as a national leader in using its public realm as a test-bed in resilient and multi-functional infrastructure.



#### "Dingbat" raised building form

**KAHUNAH** 

PROPERTIES

#### B. GREEN INFRASTRUCTURE | For more detail see Appendix III

#### RAIN GARDENS



Rain gardens are special planting areas designed to capture and store rainwater. Not only do rain gardens assist in reducing overall storm runoff quantity, but they can also aid in purifying water from pollutants and contaminants using natural filtration processes present in soil and plants. Plantings and microorganisms in the soil have the ability to break down biological toxins and also bioaccumulate toxins. Rain gardens are usually located within a small depression in a property to allow water to naturally flow to low points.



#### **GREEN ROOFS**

Green roofs are partially or fully vegetated roofs that are layered over waterproofing. In addition to providing shade, a green roof's plants remove air particulates and produce oxygen. Another benefit of green roofs is their ability to reduce and slow stormwater runoff in urban environments.



#### SUNKEN PLAZAS AND PATIOS

Recessed parks, building courtyards and plazas may contain impervious surfaces designed to temporarily store water during extreme events. These landscape features keep water out of adjacent properties and reduce inputs to storm drains not sized for current and future more extreme storm events. These landscapes can retain water until a storm has passed, at which time the collected rainfall can be drained to a storm sewer system or other storage area.

#### PERMEABLE PAVEMENT

Permeable pavements and surfaces allow direct infiltration of water into the ground. By allowing water to naturally infiltrate into the ground, stormwater can be stored underground before flowing into stormwater systems, recharging local freshwater aquifers, and feeding nearby plants. Permeable paving helps reduce the load on traditional storm sewers that were not sized for the severity of contemporary storm events.

#### CISTERNS



Cisterns below ground and rain barrels that hold water from roof drains are a simple and affordable way for property owners to capture water, reducing the amount of stormwater impacting their property and harvesting rainwater for other uses. Rain barrels capture water for later use in irrigation or even cleaning purposes. Likewise below ground cisterns can also be used for irrigation and flushing a landscape of salt after larger storm events. With proper treatment, cistern water can also be used for water features and car washing.

Many of the sustainable strategies are implemented in the building and site design





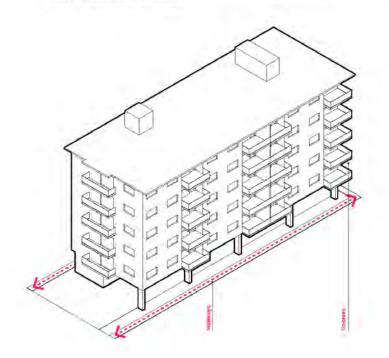
# DESIGN GUIDELINES

BUILT R F M ARCHITECTURE page 28



#### (D) Dingbat

The Dingbat is a type of residential building featuring ground floor parking spaces below upper residential floors that flouristed in Miami Beach in the mid-1960s. The genesis of this type in locally is generally attributed to zoning changes at that time that introduced a parking requirement for new residential amound to coming orienges at that time that introduced a parting requirement for new residential units, however the type if found throughout the sunblet, and was delebrated as a Los Angeles type by author Reyner Banham in Los Angeles: The Architecture of Four Ecologies. The ground floor parking area, featuring columns that support the building above, may also feature a modest lobby or community meeting space, in Miami Beach, Dingbats mainly rise 4-5 stories, and generally observe austere mid-century architectural styling. The sparse decoration found on this type is articulated by the railing systems that define balconies and canvalks.



"Dingbat" building form is prevalent in the Normandy Isle neighborhood, but many of the buildings gate off access and have very low understory heights that restrict light and air











### **DESIGN GUIDELINES**

ILT RM в Ш F ARCHITECTURE page 29





UNIDAD CENTER- RENE GONZALAZ ARCHITECT



Normandy Isle, as well as the greater City of Miami Beach, has many examples buildings with layers of architectural materials and angular forms



**BUILDING LAYERS AND ANGULAR FORMS** 







# HISTORIC IMAGE OF MIAMI BEACH'S ARCHITECTURAL

#### **DESIGN REFERENCES**

M 1 T F R Ш ARCHITECT U E R page 30





Design Concept

#### MASSING STUDY

BUILT FORM ARCHITECTURE page 31





## **Design Concept**

#### MASSING STUDY

RM вυ ILT FΟ а в с н I т е с т и в е page 32







#### MASSING STUDY

BUILT FORM ARCHITECTURE page 33

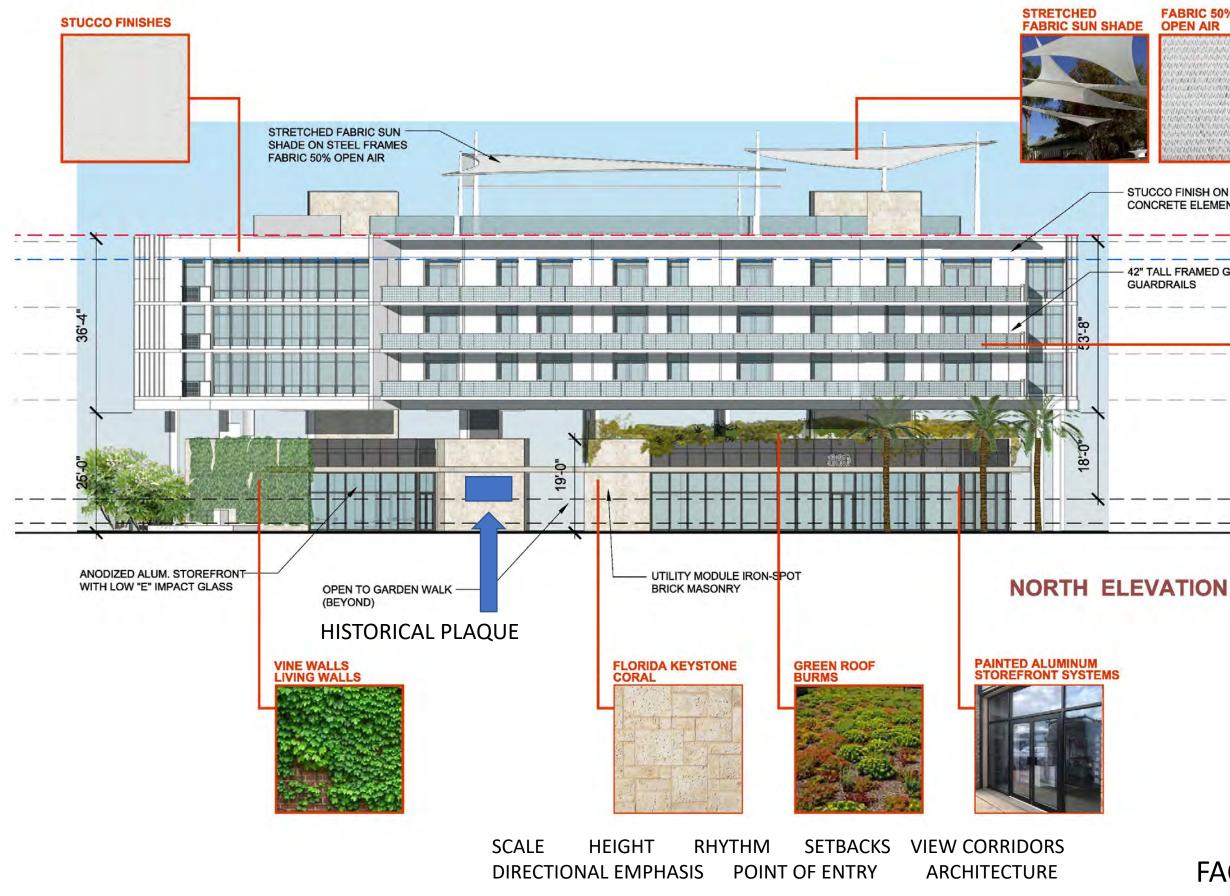




Design Concept

#### MASSING STUDY

BUILT FORM ARCHITECTURE page 34





**Design Concept** 



**OPEN AIR** 

#### STUCCO FINISH ON ALL CONCRETE ELEMENTS

FABRIC 50%

42" TALL FRAMED GLASS GUARDRAILS





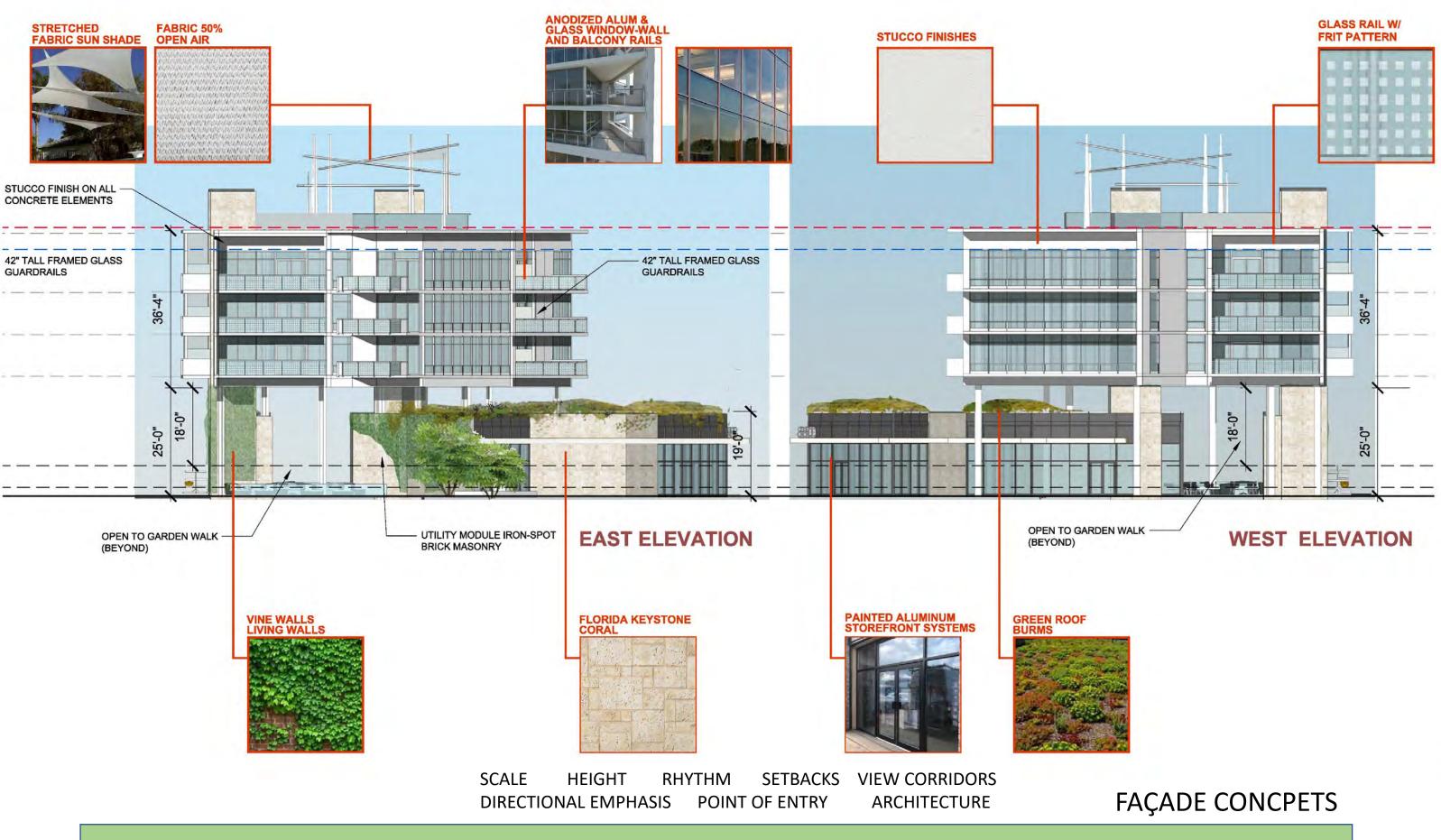


GLASS RAIL W/ FRIT PATTERN



### FAÇADE CONCPETS

в ILT RM Ш F ARCHITECTURE page 35



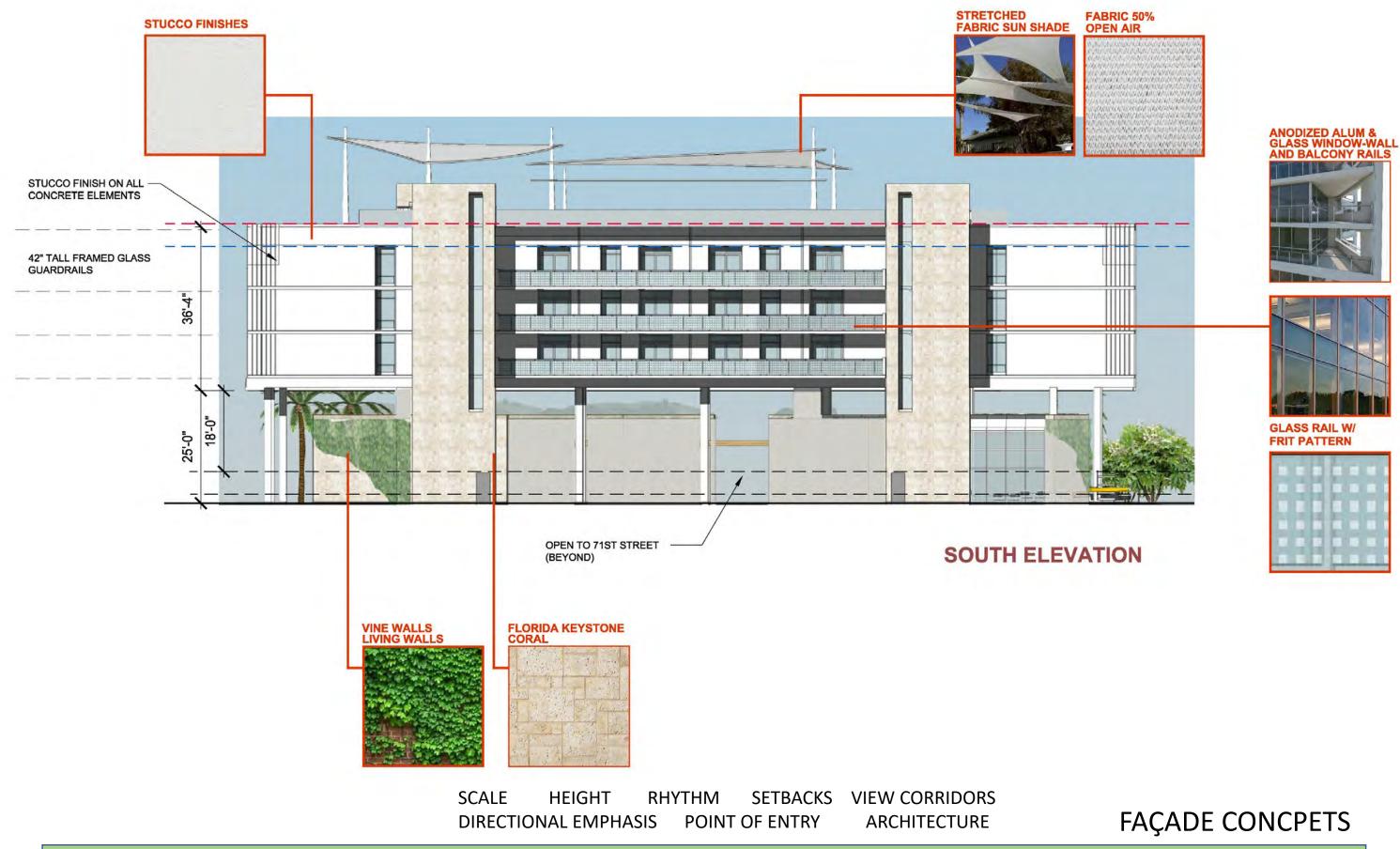


**Design Concept** 

#### в ILT RM Ш F ARCHITECTURE page 36









RM в L ILT F а в с нітести в е page 37





### ARTIST RENDERING

L RM в 1 Т F L снітести ве page 38 AR



**VIEW CORRIDORS** SCALE HEIGHT RHYTHM SETBACKS DIRECTIONAL EMPHASIS POINT OF ENTRY ARCHITECTURE



**Design Concept** 

#### ARTIST RENDERING

RM в ILT L FΟ a r c h i t e c t u r e page 39



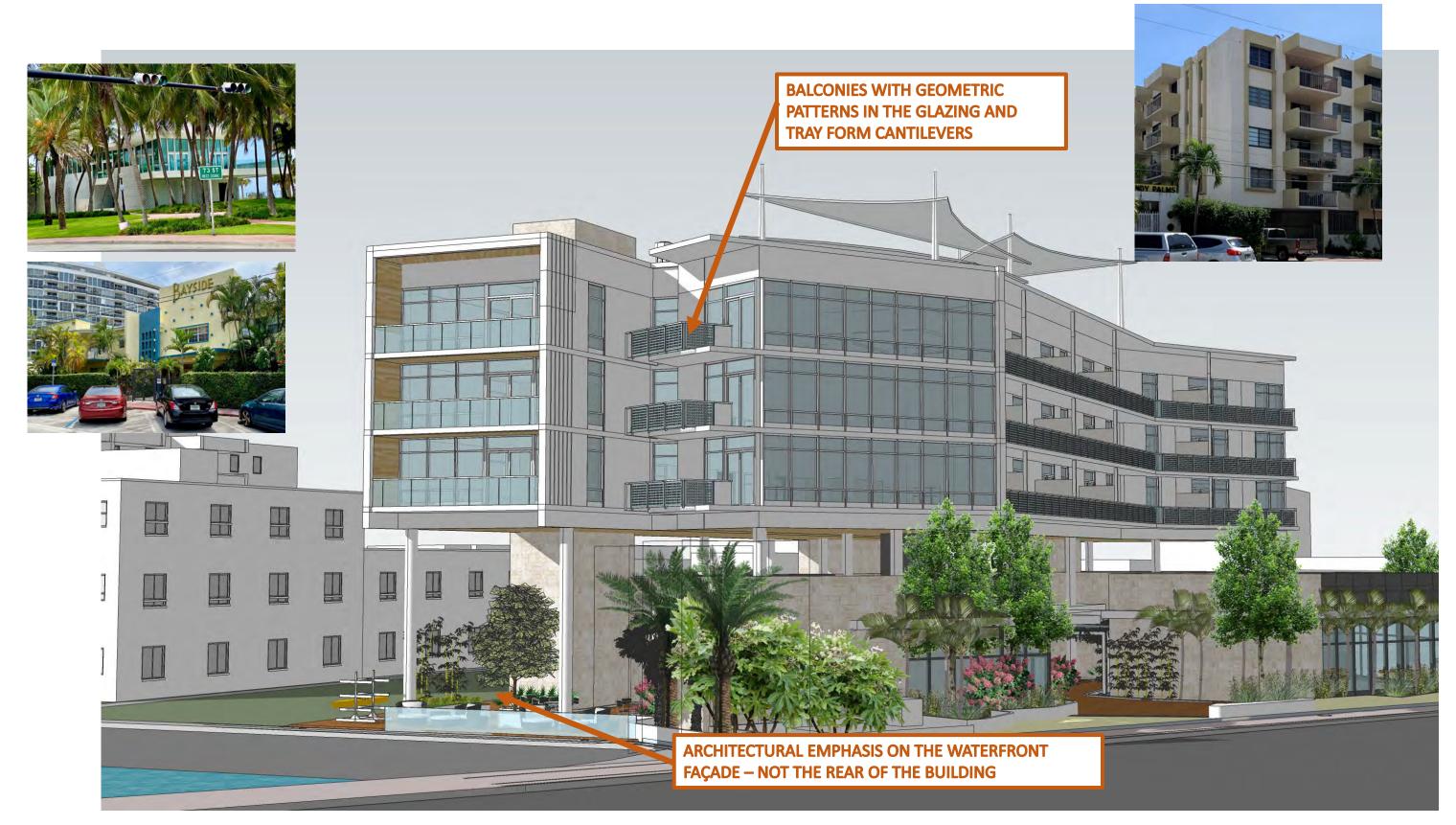
HEIGHT **VIEW CORRIDORS** SCALE RHYTHM SETBACKS POINT OF ENTRY DIRECTIONAL EMPHASIS ARCHITECTURE



**Design Concept** 

### FAÇADE CONCPETS

ILT RM в L F ARCHITECTURE page 40



SCALEHEIGHTRHYTHMSETBACKSVIEW CORRIDORSDIRECTIONAL EMPHASISPOINT OF ENTRYARCHITECTURE



Design Concept

#### FAÇADE CONCPETS

BUILT FORM ARCHITECTURE page 41



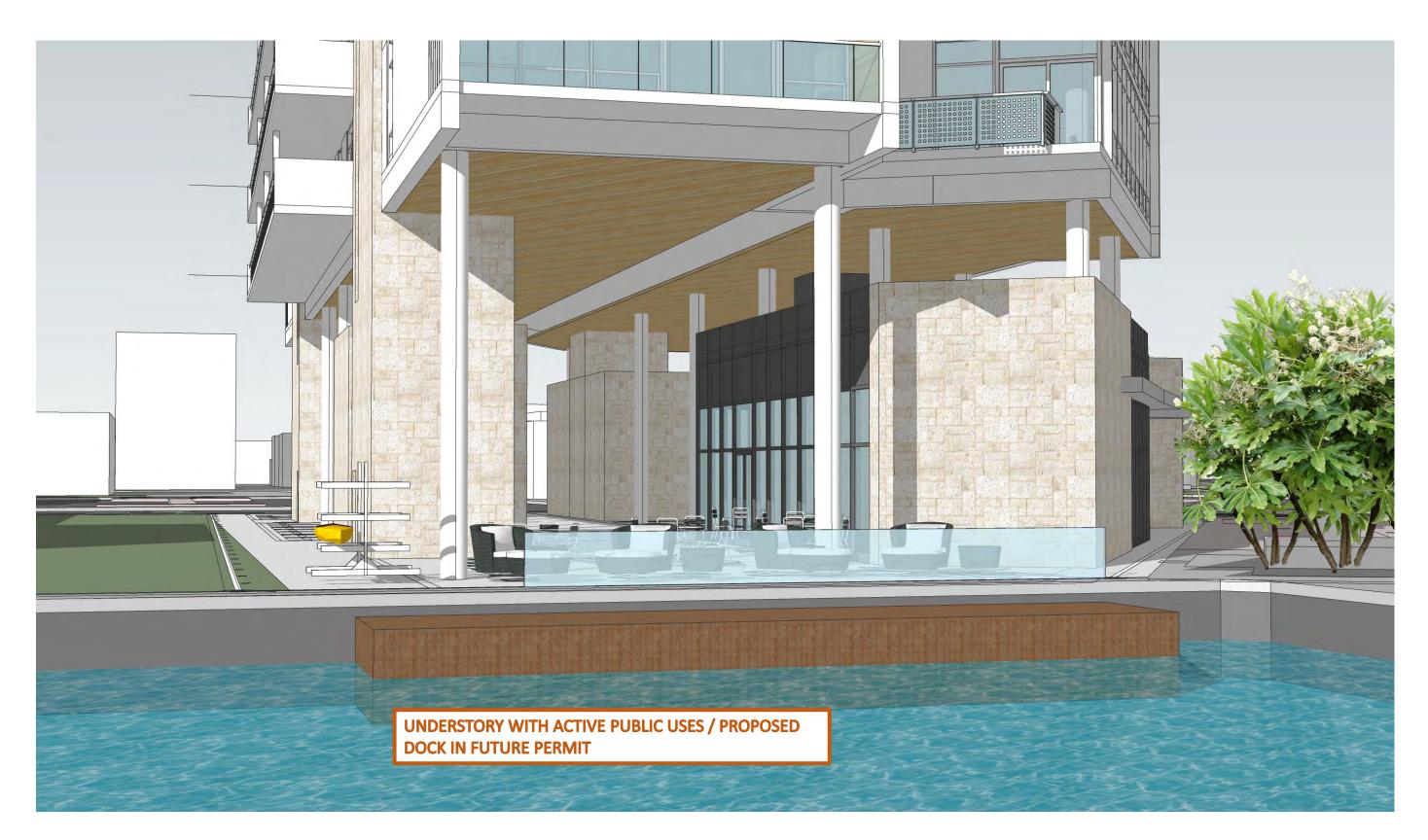
SCALE HEIGHT RHYTHM SETBACKS **VIEW CORRIDORS** ARCHITECTURE DIRECTIONAL EMPHASIS POINT OF ENTRY



## **Design Concept**

### FAÇADE CONCPETS

RM в ILT F Ш авснітестиве page 42



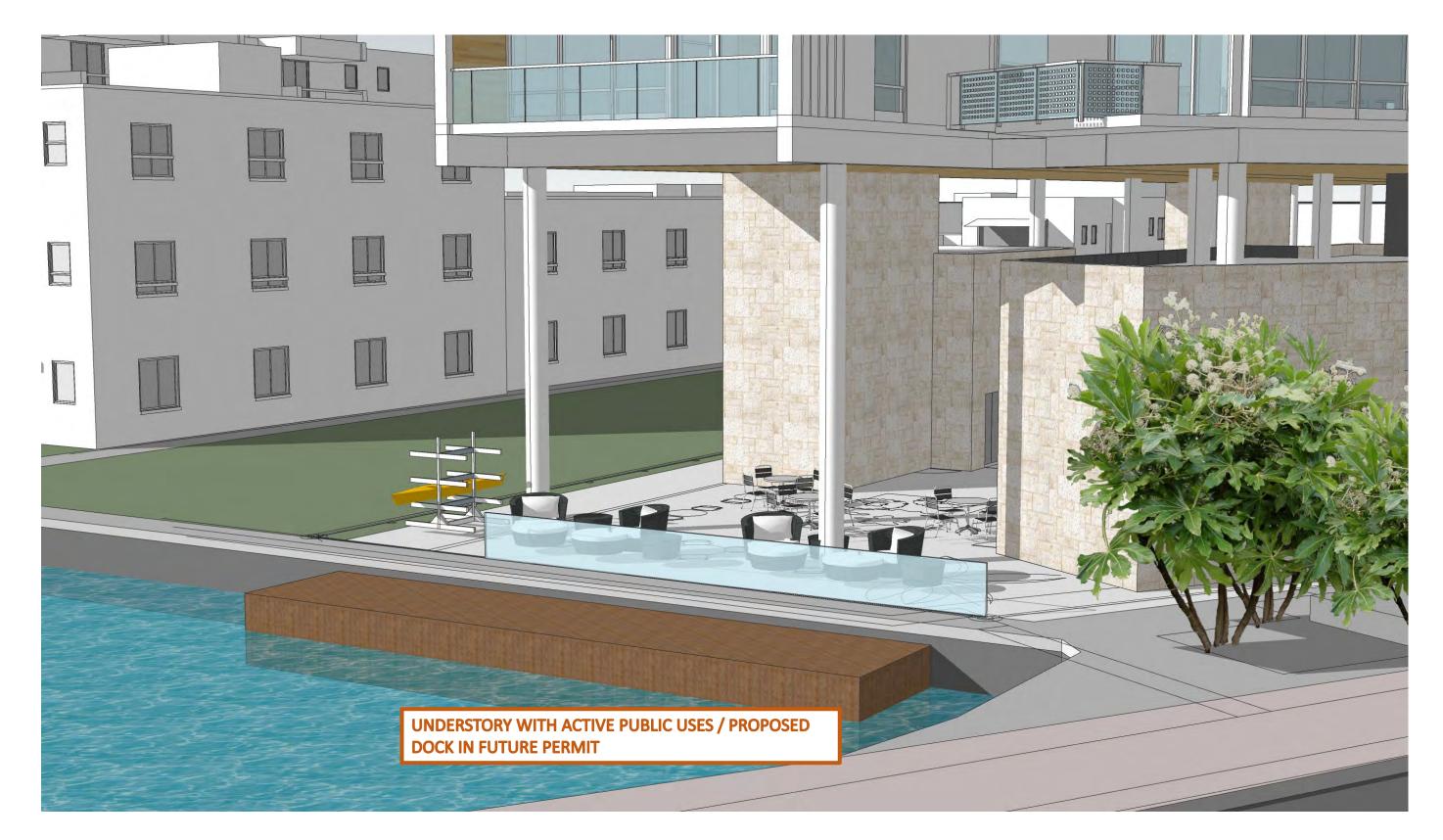
SCALEHEIGHTRHYTHMSETBACKSVIEW CORRIDORSDIRECTIONAL EMPHASISPOINT OF ENTRYARCHITECTURE



Design Concept

### FAÇADE CONCPETS

BUILT FORM ARCHITECTURE page 43



SCALEHEIGHTRHYTHMSETBACKSVIEW CORRIDORSDIRECTIONAL EMPHASISPOINT OF ENTRYARCHITECTURE



Design Concept

### FAÇADE CONCPETS

BUILT FORM ARCHITECTURE page 44







### LANDSCAPE DESIGN

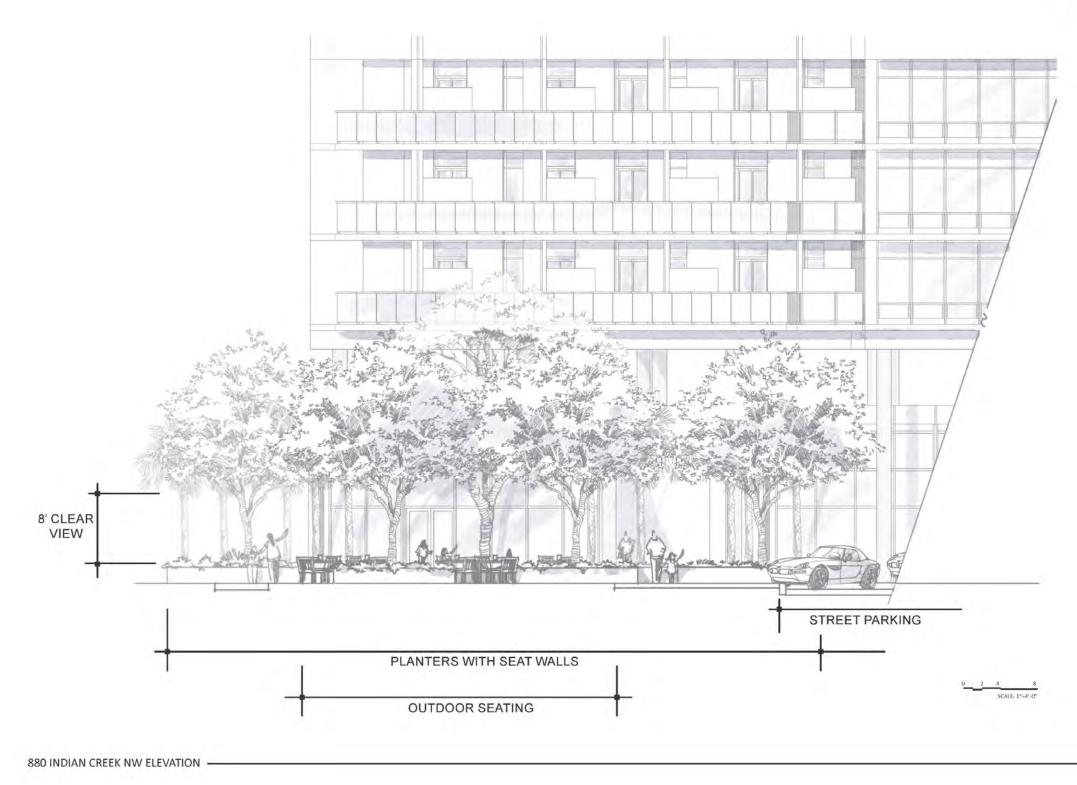




GRAPHIC SCALE 10 20

SCALE: 1"=10'

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL VERIFY SCALE USING BAR SCALE ABOVE.



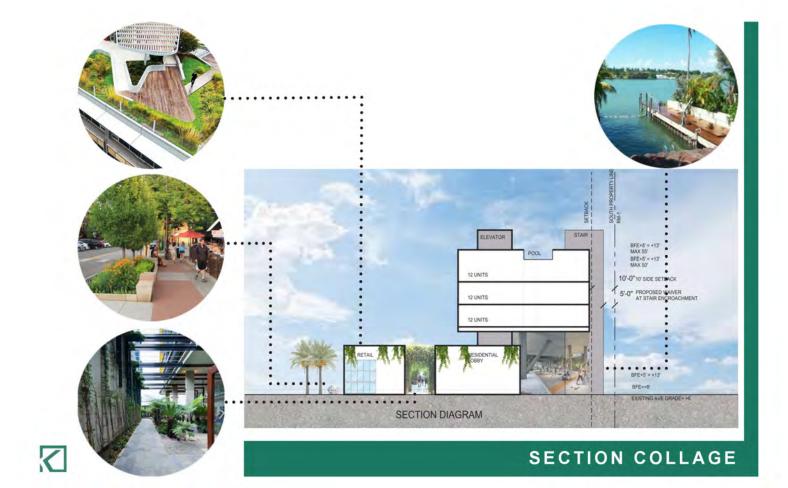


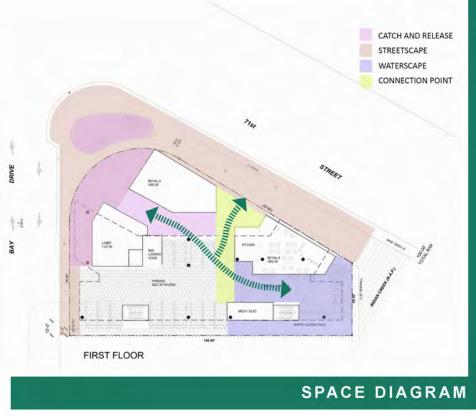


## KEITH

#### LANDSCAPE DESIGN

в ILT RM Ц F а в с н I т е с т и в е page 46













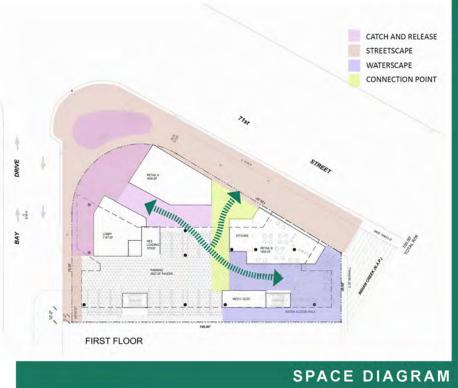
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CHARACTER IMAGERY AMENITIES

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CHARACTER IMAGERY ROOF-SCAPE





CASSA BRICKELL - USE OF SHADED STRUCTURE - VEGETATIVE WALLS - ROOF TOP GARDENS - URBAN SETTING

BROOKLYN BOTANICAL GARDEN VISITOR CENTER - FLOOR TO CEILING EXTERIOR GLASS WALLS - LIGHT AND OPEN - VEGETATIVE ROOF TOP

















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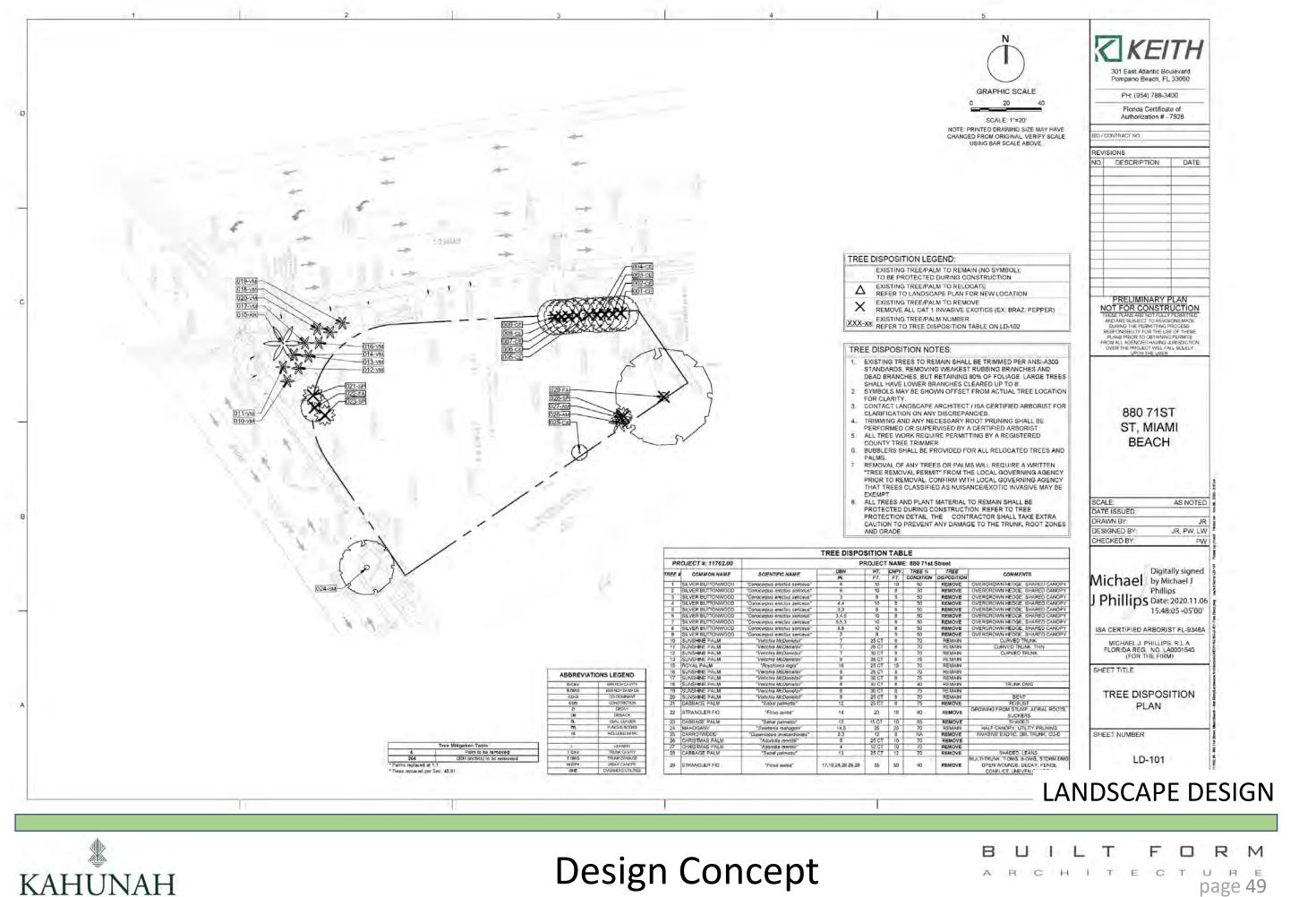




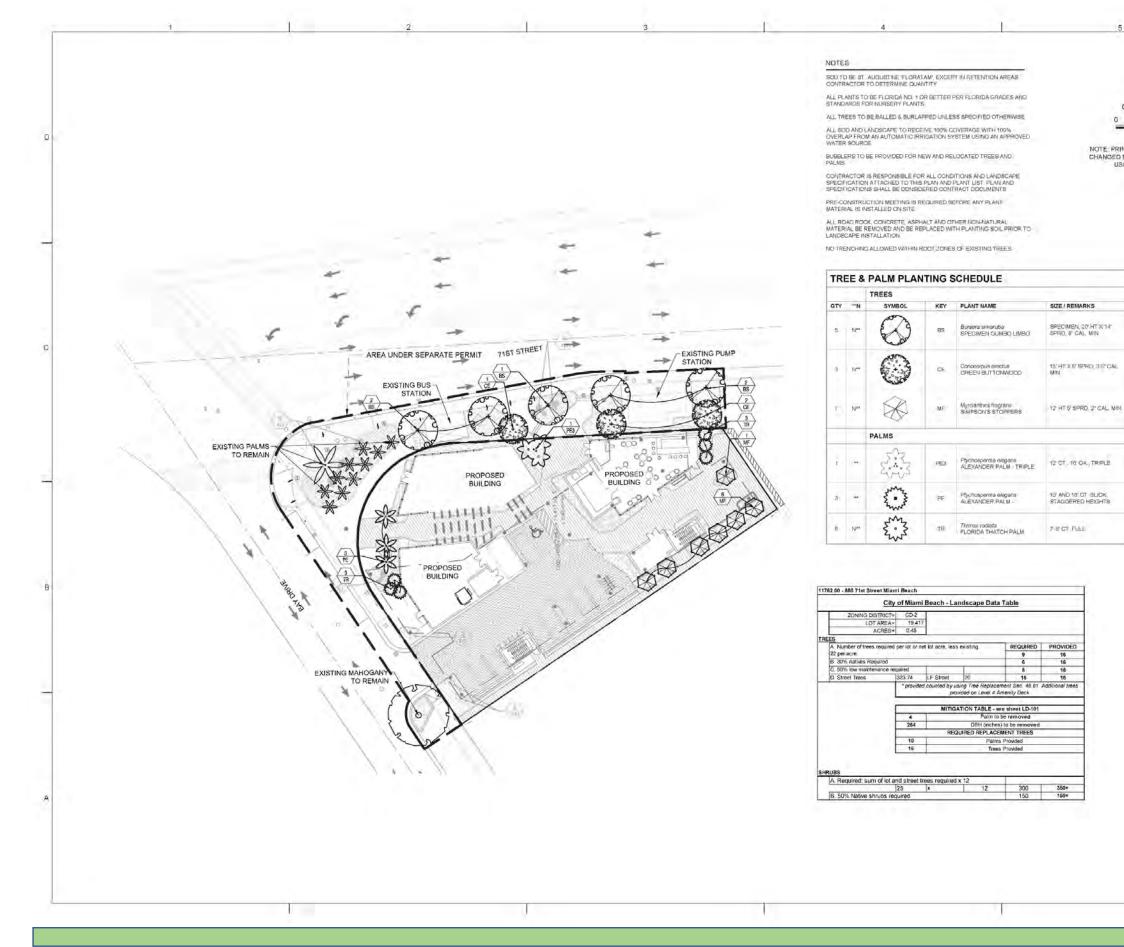
# **Design Concept**

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BUILT F D RM ARCHITECTURE page 48









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GRAPHIC SCALE

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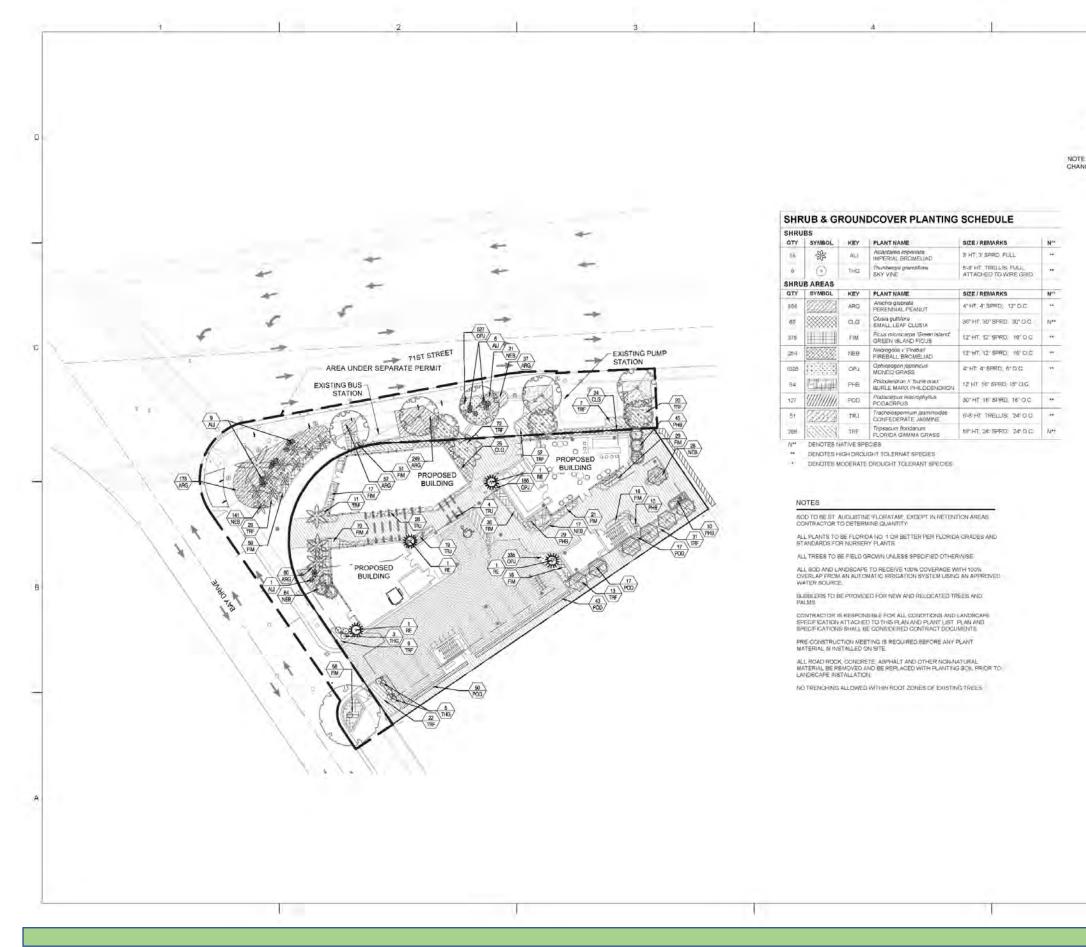
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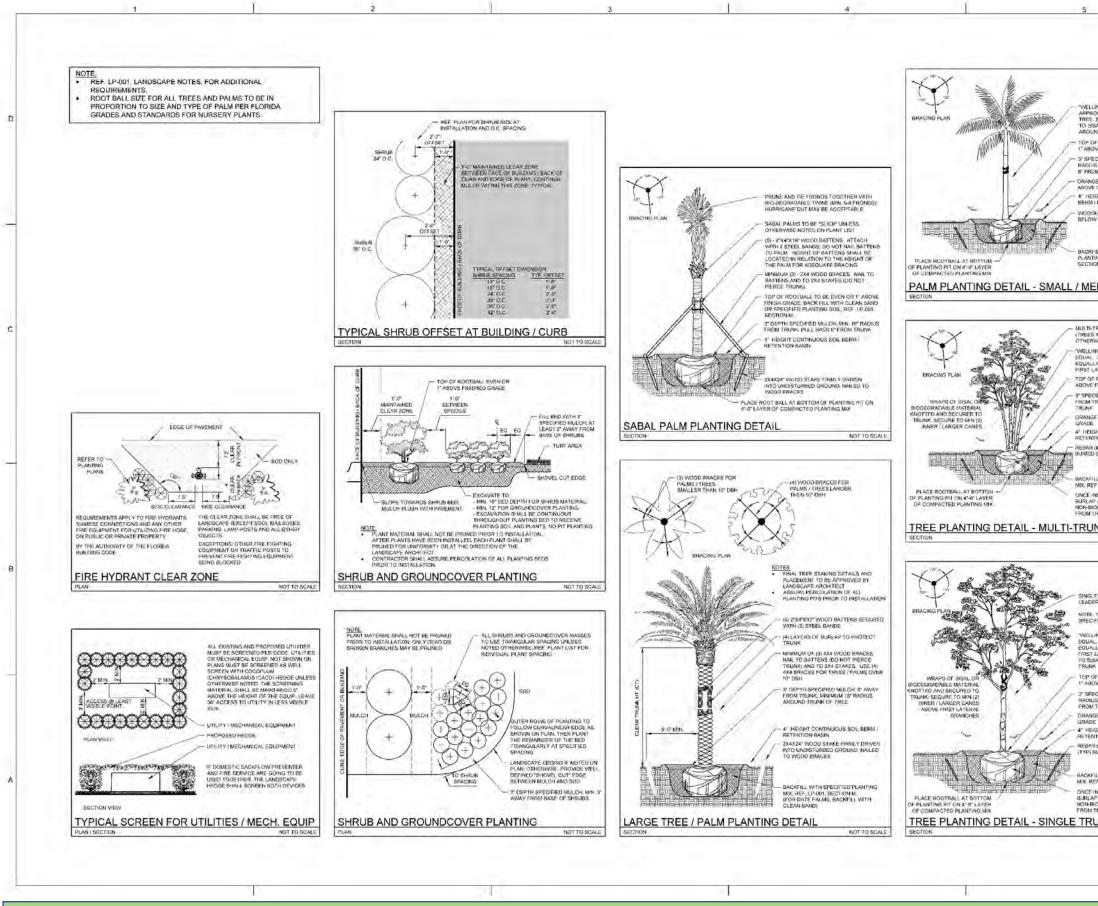








BUILT FΟ RM ARCHITECTURE page 51



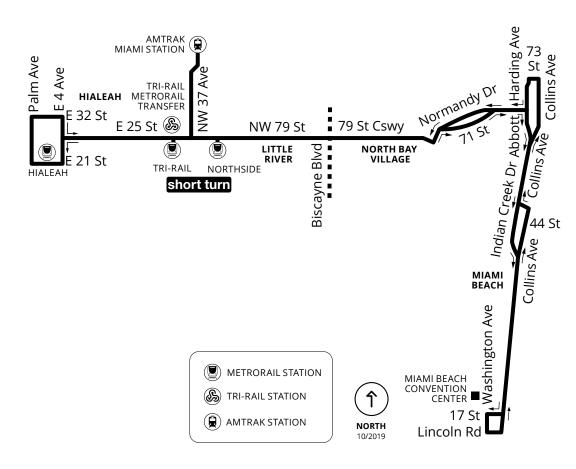


#### виіст F D RM ARCHITECTURE page 52

### LANDSCAPE DESIGN

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