

Parking Garage & Cancer Center

5/3/22

Our Mission:

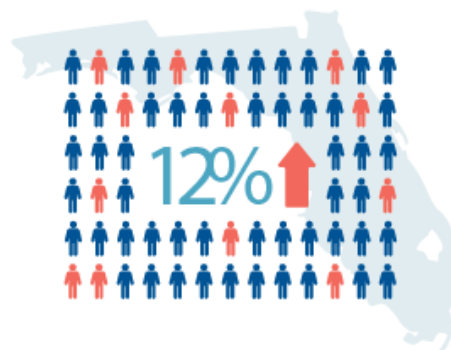
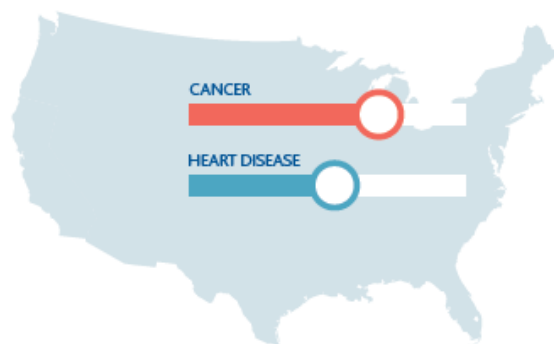
To provide high quality healthcare to our diverse community enhanced through teaching, research, charity care and financial responsibility.



Addressing South Florida's Limited Resources and Growing Demand

Cancer Is Killing More Americans

In the U.S., cancer is expected to surpass heart disease as the leading cause of death.



Cancer Cases Are Rising in Our Community

In South Florida, the number of cancer cases is expected to increase by 12% before the end of this decade.

Along with the increase in cancer cases, the need for treatment will grow too.

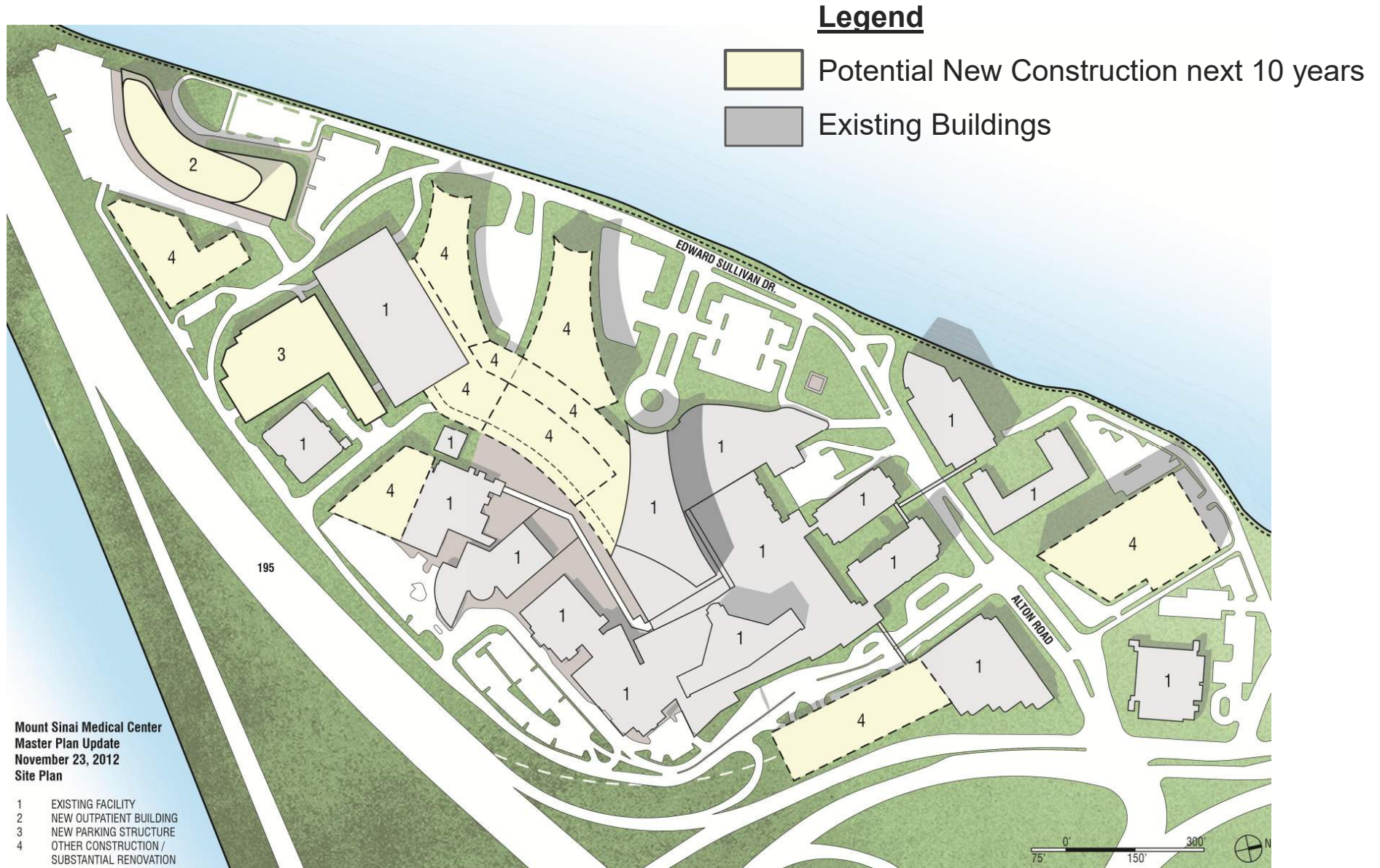
We Are Facing a Physician Shortage

As our community grows and cancer incidences rise, there will be a greater need for access to high-quality, expert physicians.

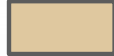

The Braman Cancer Center will aid in addressing the looming physician shortage across a variety of cancers, including the following:

- Bladder cancer
- Brain cancer
- Breast cancer
- Kidney cancer
- Melanoma
- Non-Hodgkin's lymphoma
- Pancreatic cancer
- Stomach cancer
- Thyroid cancer
- Uterine cancer

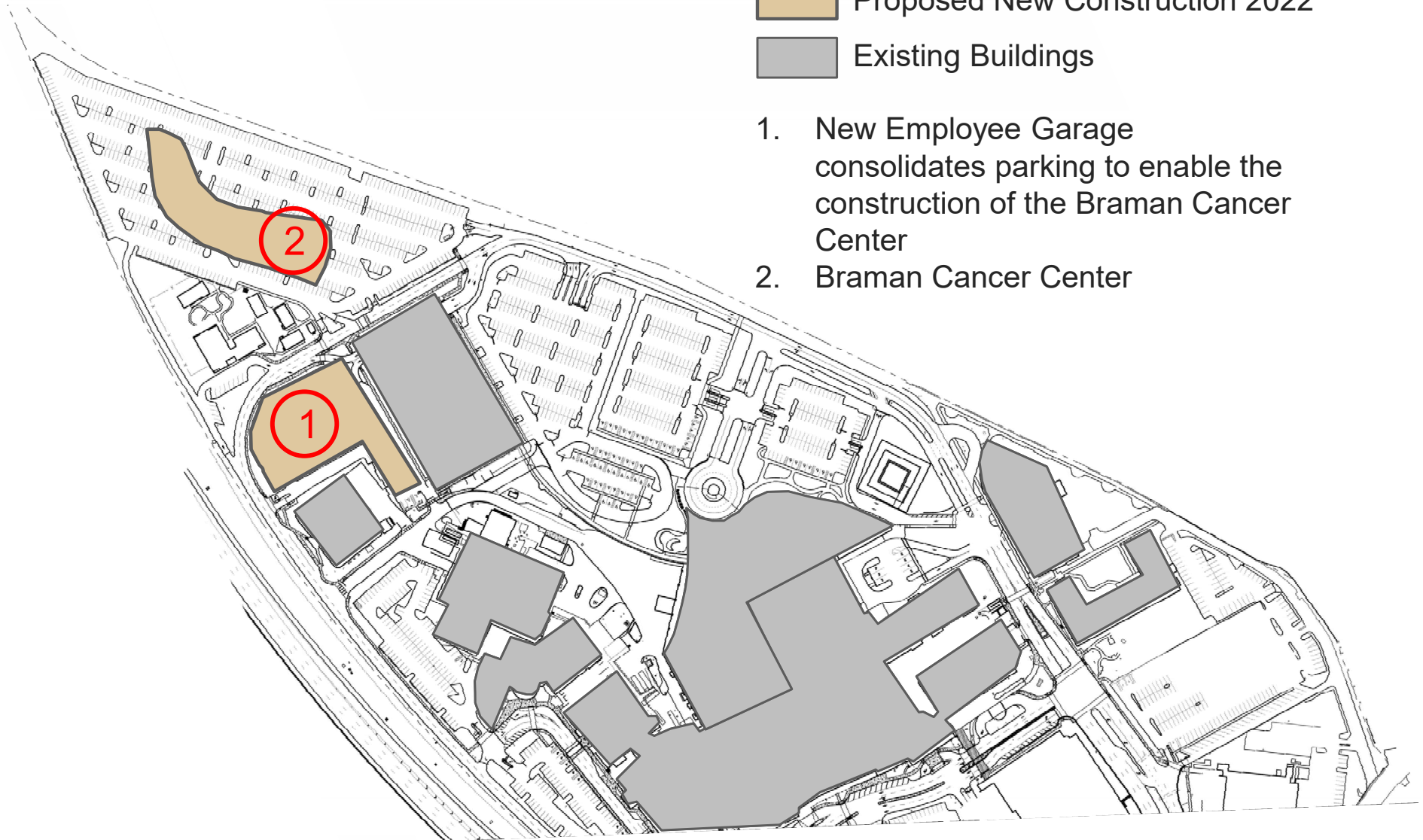
> South Florida needs greater access to treatment & cancer-fighting technology.

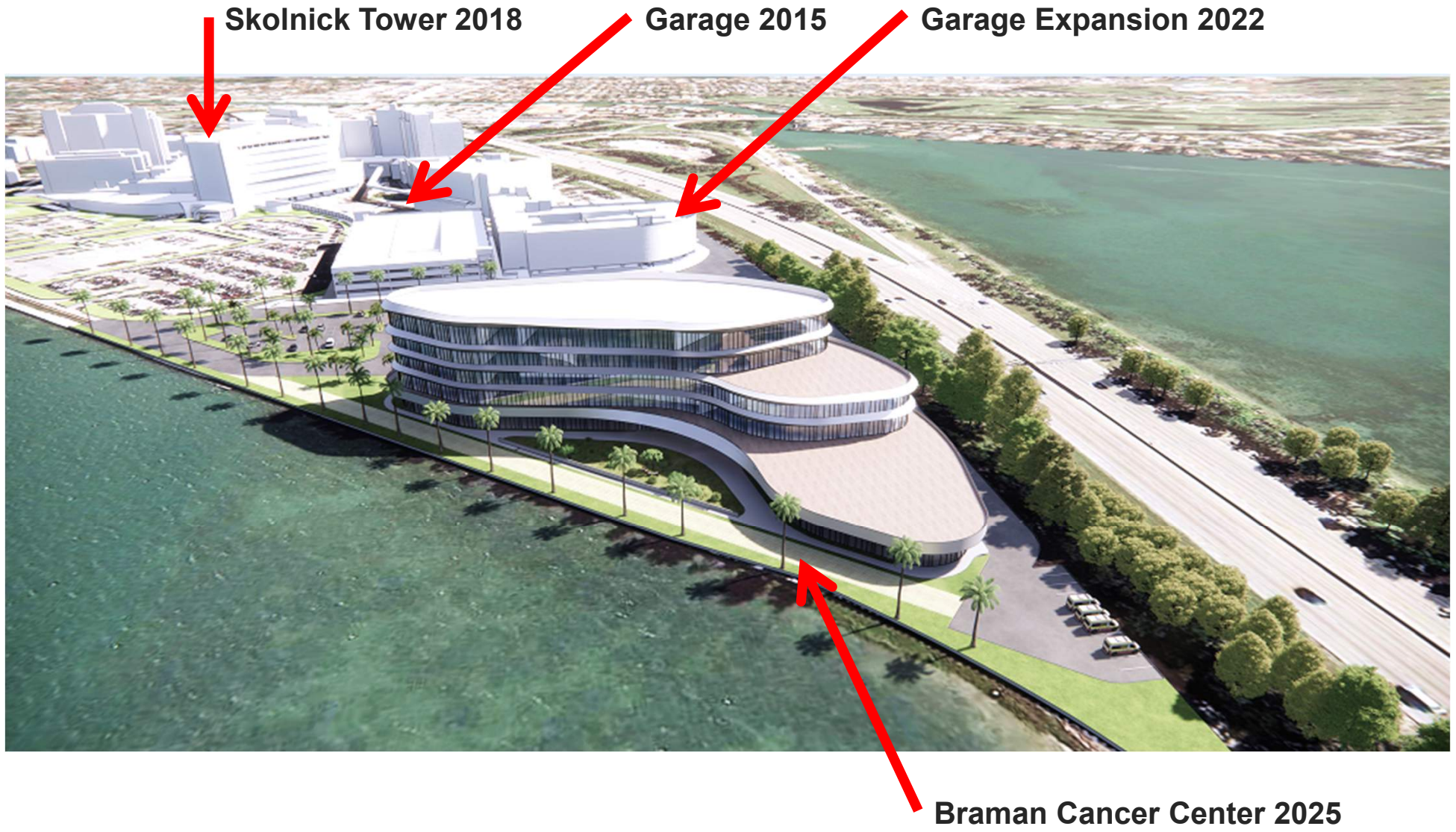


Legend

-  Proposed New Construction 2022
-  Existing Buildings

1. New Employee Garage
consolidates parking to enable the
construction of the Braman Cancer
Center
2. Braman Cancer Center





BEFORE - 4/5/2022 .

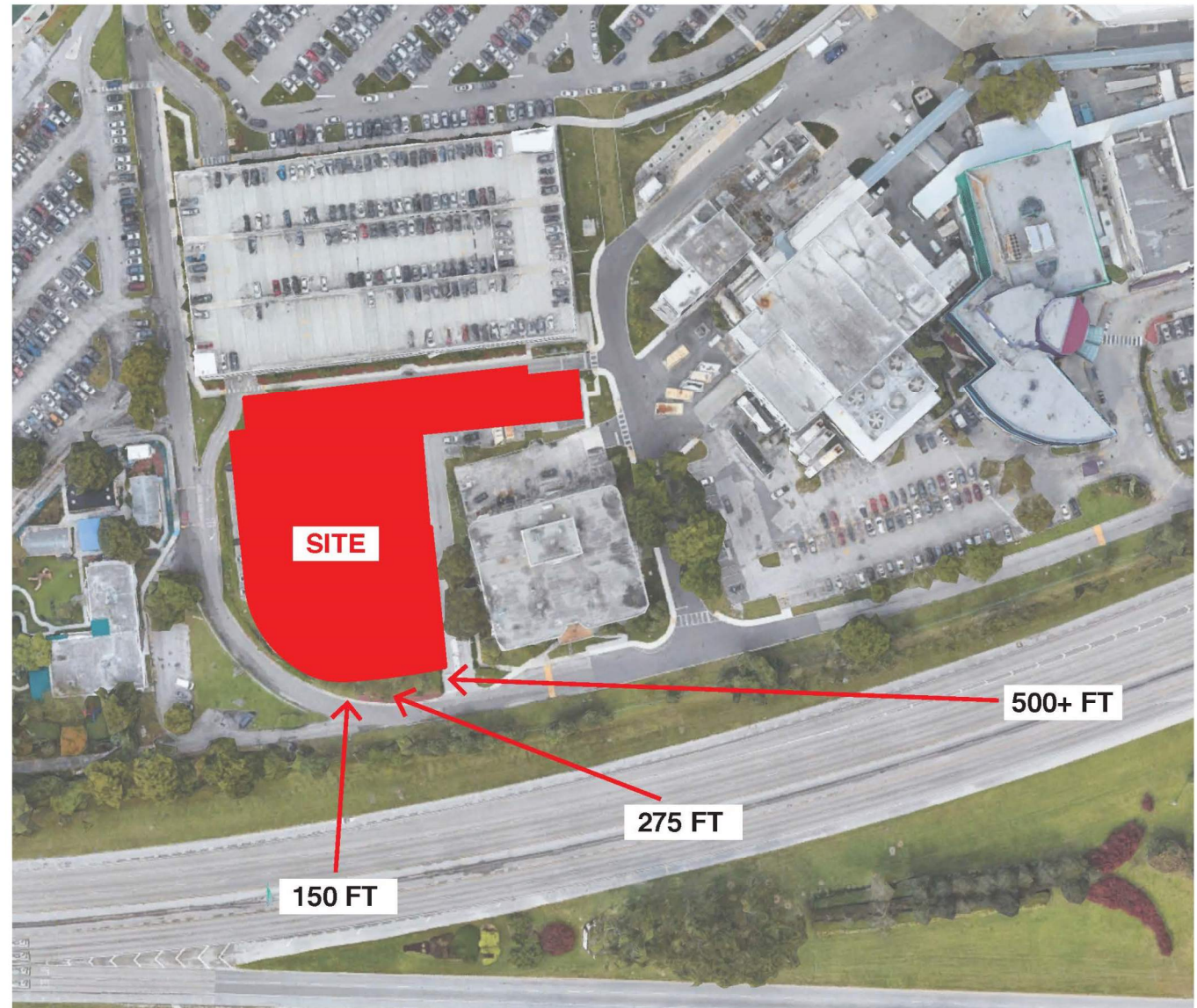


VIEWING DISTANCES

Perforation image resolution:

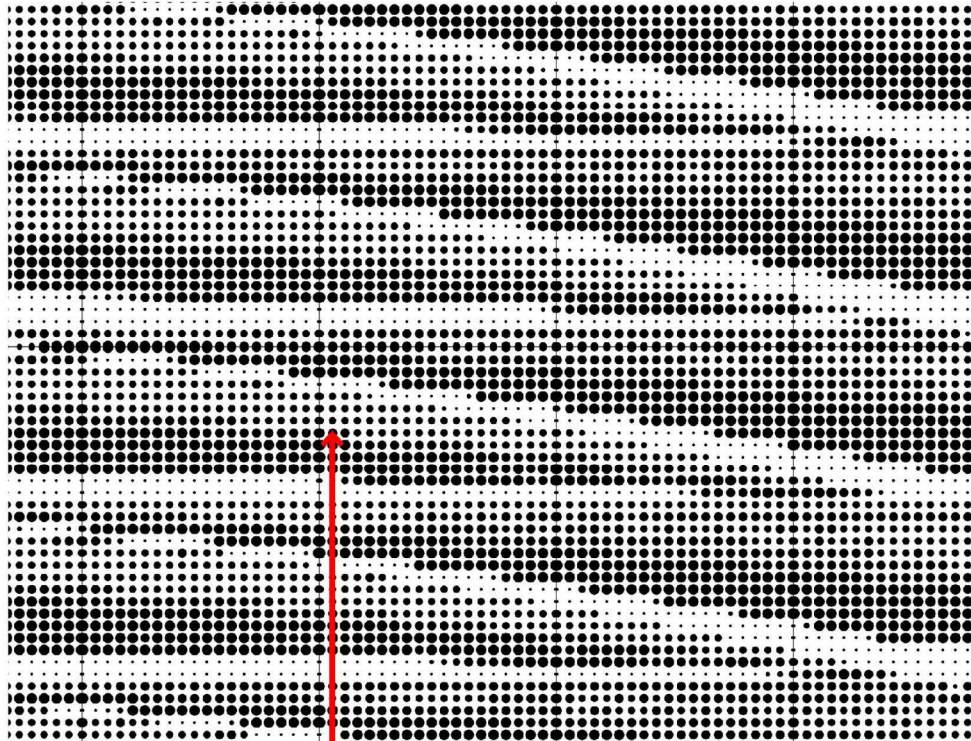
Site map shows approximate viewing distances from the causeway to the proposed façade.

(Note: see similar sight distances as shown in the following City View Garage case study examples).

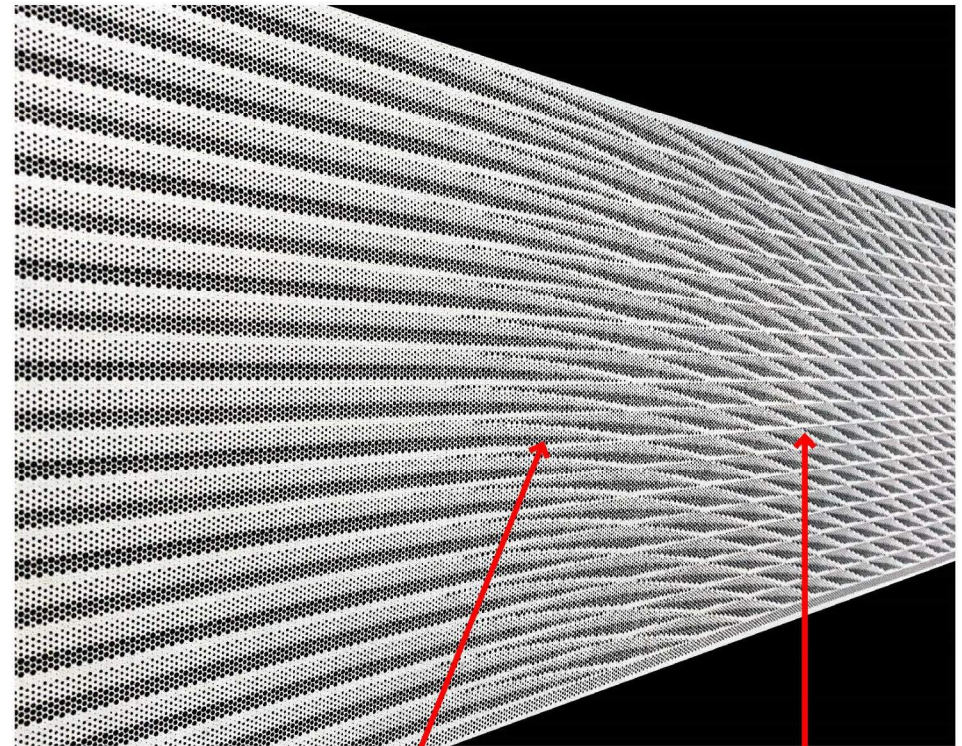


HALF-TONE STRATEGY

Perforation image resolution: The model simulation shows the visual effects of the perforated pattern when seen up close and from afar, as related to the distances from causeway to façade.



Model Simulation:
Low resolution < 50ft



Model Simulation:
Medium resolution @ 50ft +

Model Simulation:
High resolution > 150ft +

Holes to increase in size while insuring geometric legibility.

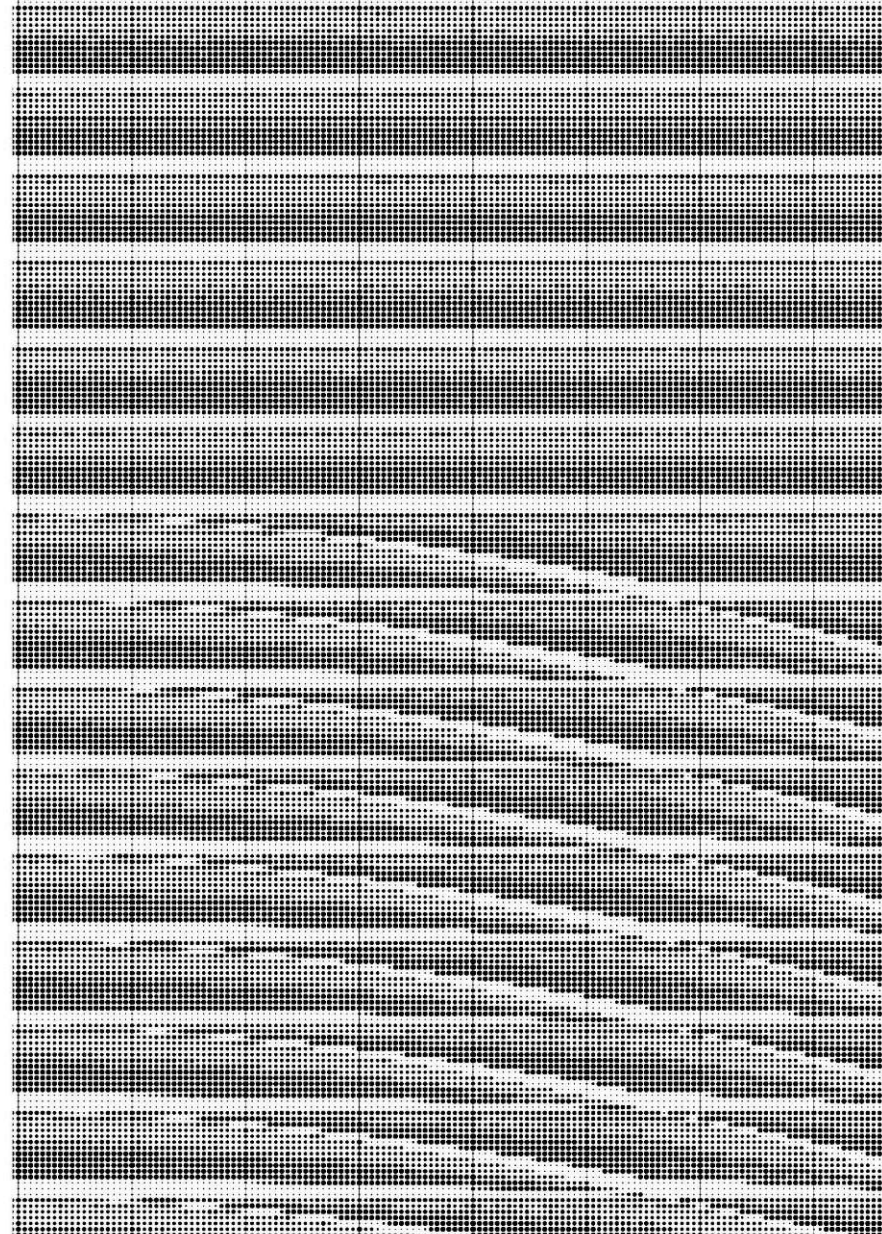
PATTERN ENLARGEMENT

In an effort to enhance the visual complexity of the façade, the perforated layout is enlarged, from a pattern based on 20 horizontal rows, to the current scheme based on 14 rows.

The effect increases the perception of solid-void visual contrast, and creates a higher visual legibility of the perforated contours.

Perforation hole sizes will increase as much as possible to allow for image resolution and interior natural light.

Pattern is enlarged vertically



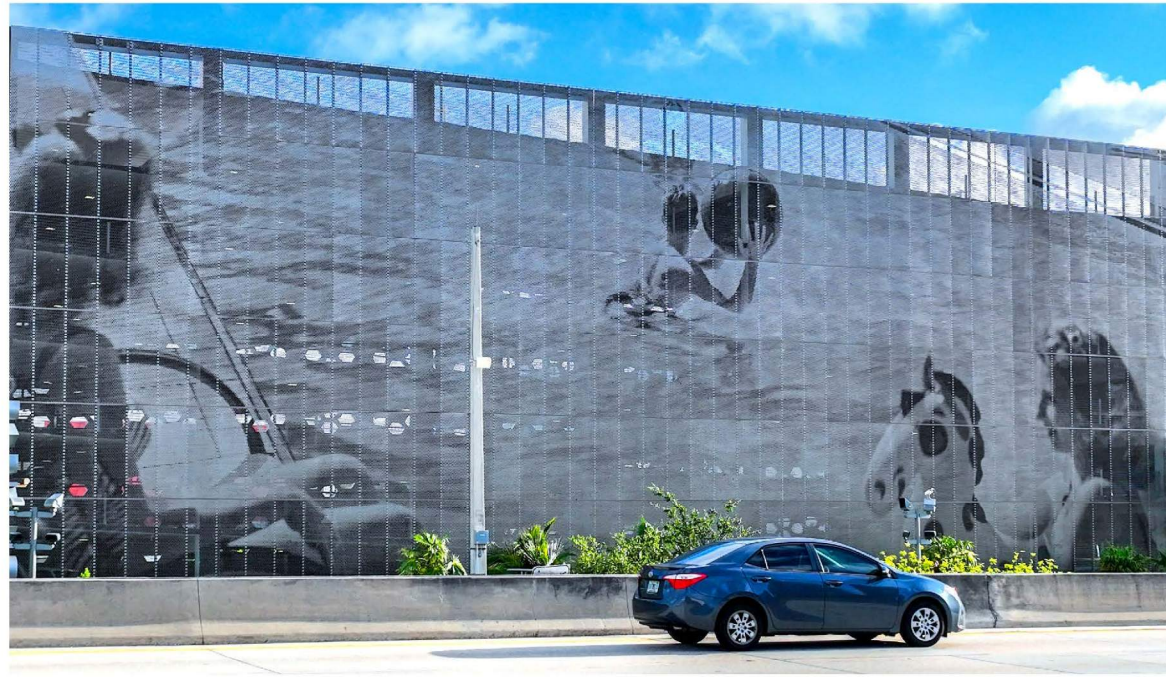
VIEWING DISTANCE

CASE STUDY EXAMPLE: City View Garage, Miami

This photographic study demonstrates optical resolution when seen from different vantage points. Using image wall technology, hole perforations delineate half-tone patterns using hole perforations.



Example as seen from 50 FT

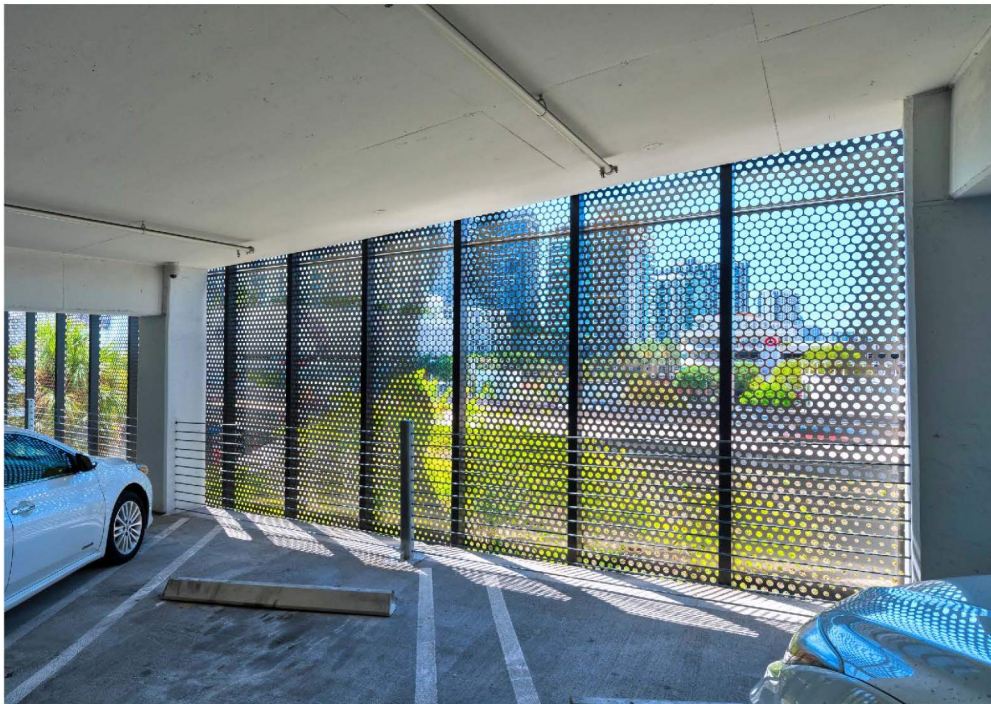


Example as seen from 250 FT

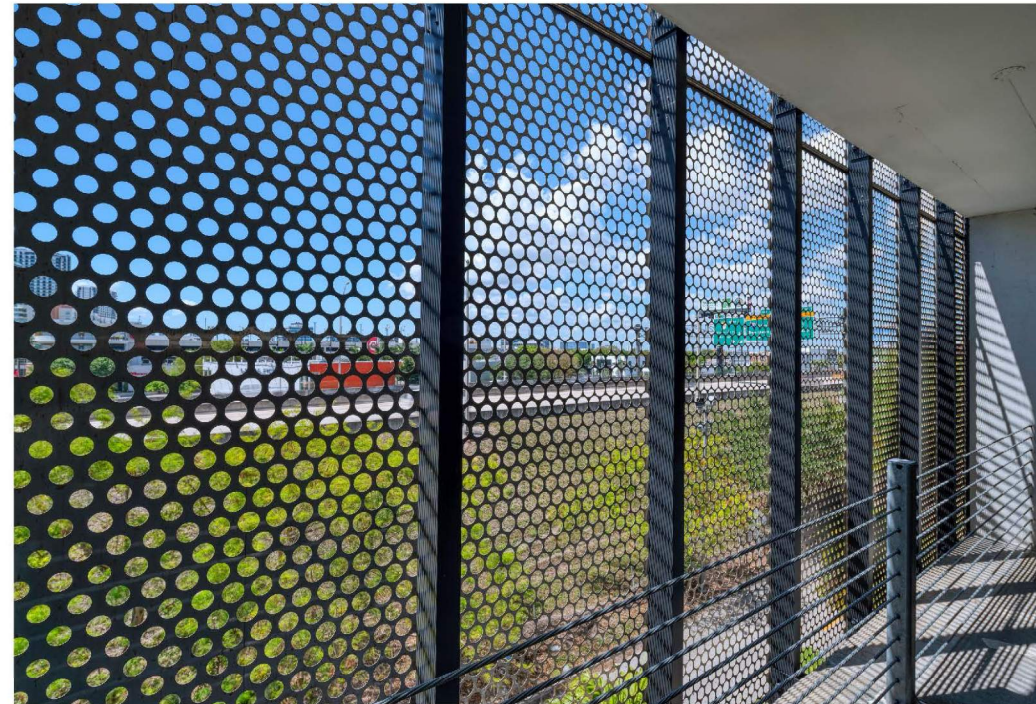
INTERIOR LIGHT

CASE STUDY EXAMPLE: City View Garage, Miami

While it appears rather solid when seen from the exterior, in actuality the porous perforated skin allows for ample natural light and ventilation into interior spaces.



Example: Interior garage view



Example: Up-close view

NEW FIN ARRAY

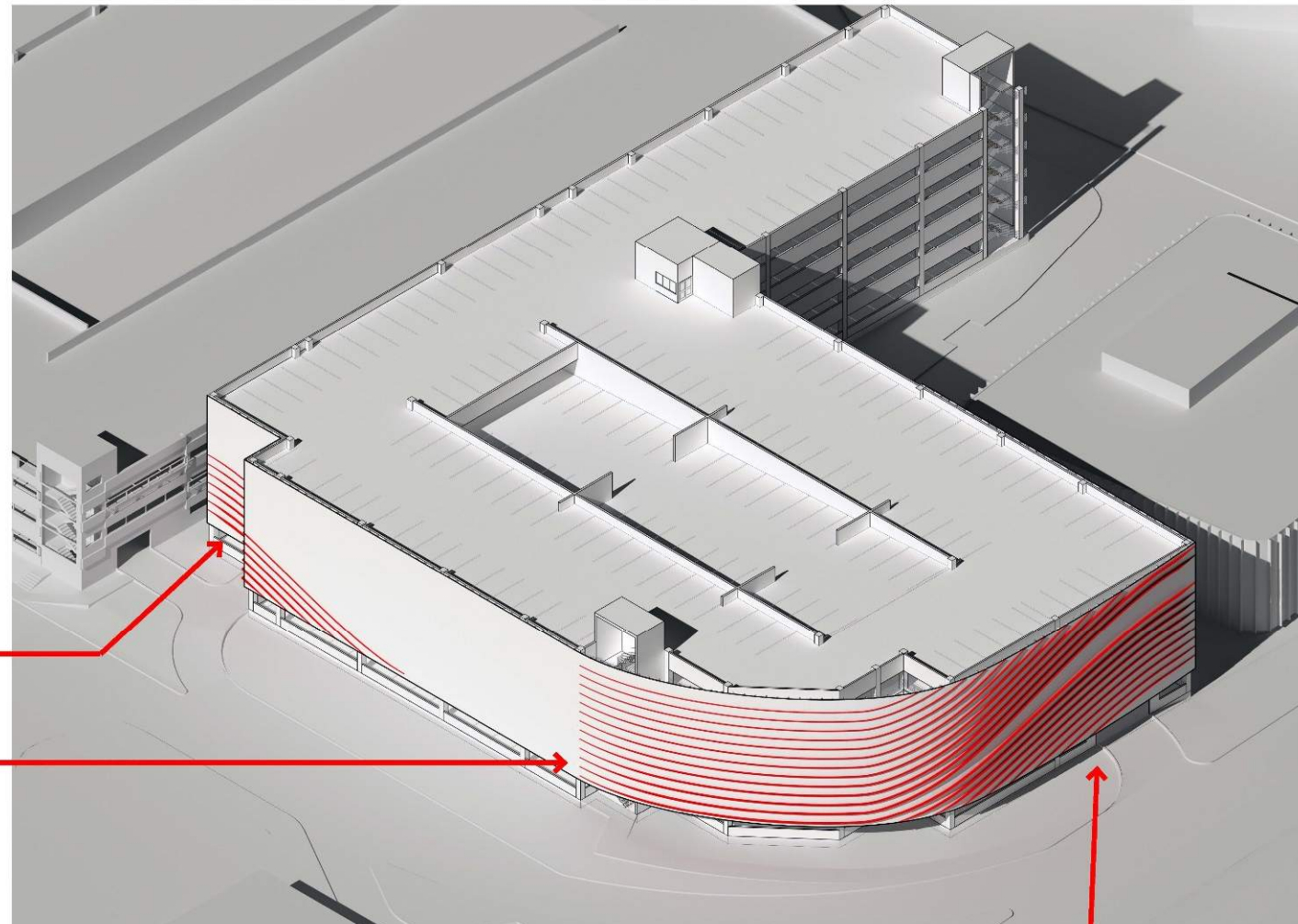
To create 3-dimensional texture to the skin, a perpendicular fin array is added to the façade.

The fins are concentrated on the south and southwest facade, most readily experienced from the causeway.

The array architecturally connects the points of access to the garage, spanning from the automobile point of entry to the pedestrian tower.

Transition from new garage to existing garage

Tapered fins terminate at the pedestrian access tower



Bird's Eye View: Fin array locations on facade

Automobile access;
facade towards causeway

2D + 3D TEXTURE

When viewed from local vantage points – from on campus or from the causeway – the optical dimensionality of the perforations visually merges with the architectural presence of the fins.

In addition, these fins visually animate the facade as they capture the sun highlights and shadows that change throughout the day.



Causeway elevation and southwest corner

CAUSEWAY VIEW



Perpendicular fin array captures changing shadows

Open perforations

Automobile access

View of south-facing causeway elevation

INTERWEAVING 2D + 3D



The facade interweaves light and air with its pattern of open perforations combined with surface-mounted fin contours.

Southwest corner close-up looking up

CORNER TRANSITION

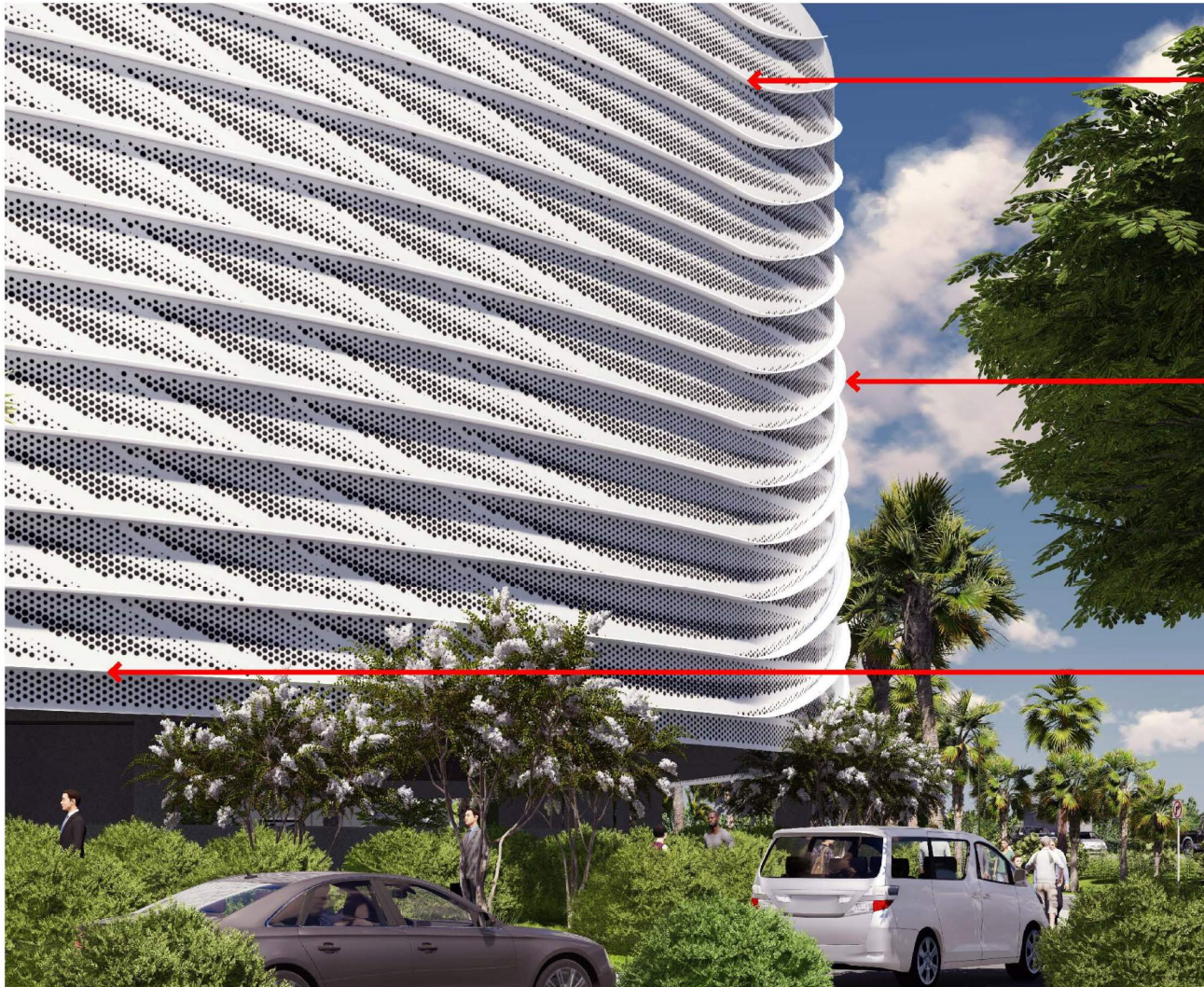


The perpendicular fins end-taper at top, bottom, and sides to visually dissolve into the architecture.

When seen on the oblique (as one walks or drives around the southwest corner) the fins reinforce the sinuous pattern geometries of the perforations.

Southwest corner view

BENDING LINES



To visually lighten the facade, fins are thinner at the top and wider at the lower floor level.

As one moves around the facade, the fin geometries transition from horizontal bands to sinuous curves.

The fins terminate at the pedestrian access tower (at left, beyond view). Fins link both points of garage access: pedestrian and vehicular.

Southwest corner view

LUMINOUS SURFACES

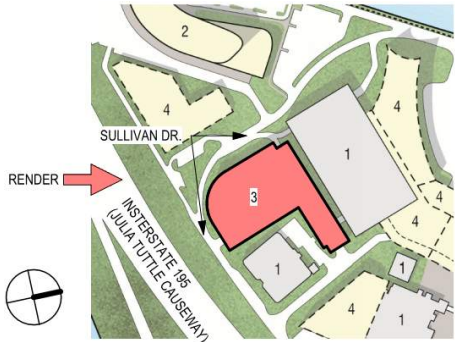
The facade captures the ethos of Mount Sinai Medical Center campus: where bold curves, sinuous forms, and sweeping horizontals are part of its established architectural context and legacy.

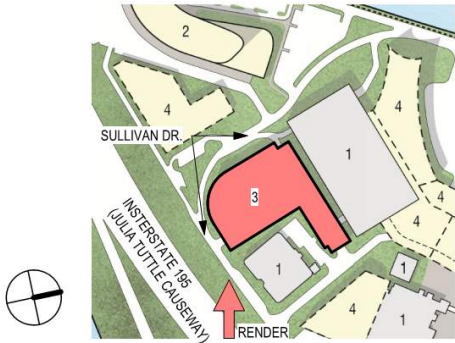


View from campus ring road (southwest corner)

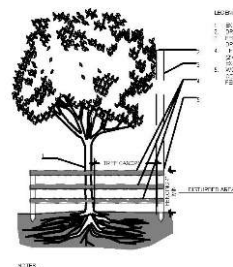
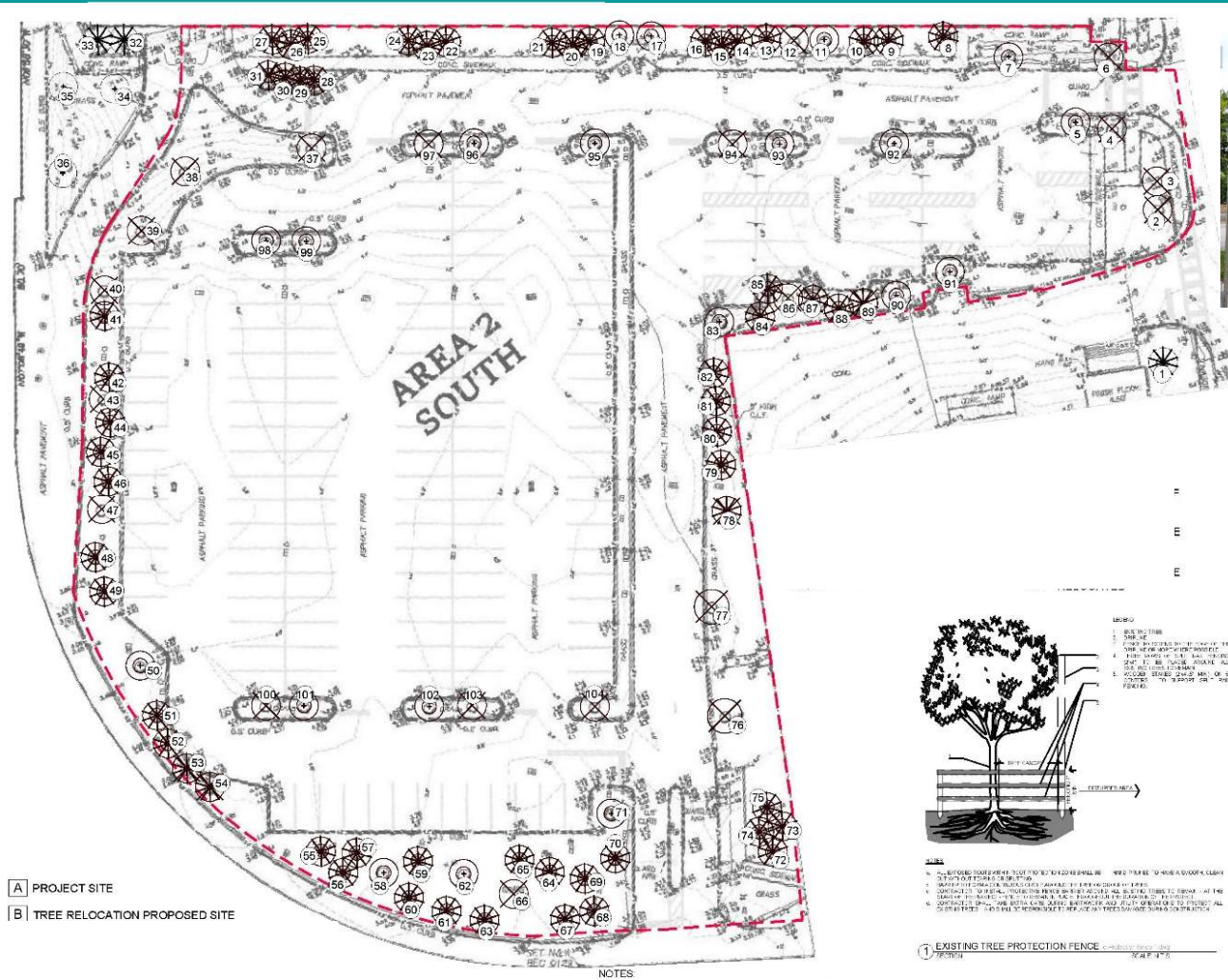
REVISED – 5/3/2022 .







West-bound Julia Tuttle with view of perimeter fence and perimeter campus road



1. EXISTING TREE PROTECTION FENCE



Mount Sinai

MEDICAL CENTER

