# FOSTER YOUTH CENTER

MICHAEL CARABALLO AND MORGAN CLARK



# **GOVERNMENT FUNDS FOSTER HOUSING UNTIL AGE 18**

# **TOP REASONS KIDS ENTER FOSTER CARE**

**61%** NEGLECT **32%** PARENTAL DRUG ABUSE **14%** CARETAKER INABILITY TO COPE





**13%** PHYSICAL ABUSE **8%** PARENTAL INCARCERATION **5%** ABANDONMENT

**AGE: 18** 

# AGING OUT OF FOSTER CARE < **THERE ARE MORE THAN 20.000 YOUTHS** THAT AGE OUT OF FOSTER CARE EACH YEAR IN GEORGIA



#### AGE: 18+



#### **OF YOUNG WOMEN WILL** 10/ **D** BE **PREGNANT** BY **21**

R



# LACK OF STABILITY • EDUCATIONAL DISRUPTION • HOUSING INSECURITY • EMOTIONAL TRAUMA • FINANCIAL INSTABILITY • SUBSTANCE ABUSE • EMOTIONAL TRAUMA EMPLOYMENT BARRIERS



# AGE O

Government funding for housing ends once foster youth turn It's crucial we acknowledge the uphill battle these residents have 18, leaving them to face many obstacles and often leading them faced through their time in foster care. The obstacles they faced down a negative path. With 20,000 youths facing this issue, Foster is a spectrum and ranges from issues like substance abuse to a Forward aims to provide assistance to these young adults as they history of educational disruption, and we have to make sure to strive for independence. Our program supports them with the accommodate their needs through our programming and design resources and guidance they need to overcome these obstacles decisions. and build a successful future.

# **AGE 18**

# WE WANT TO FOSTER

# INDEPENDENCE **LIFE SKILLS DEVELOPMENT** EDUCATION MENTAL HEALTH SUPPORT

# SITE SELECTION

For our site location, we chose Buckhead, Atlanta. Buckhead Atlanta has the necessary resources and a safe, walkable community that will allow the residents to develop in a healthy environment.





# SITE SELECTION

This site offers a wealth of embedded resources that residents can take advantage of during their time in our program. From job opportunities in nearby stores to green spaces adjacent to the site, from easy access to the Marta and lastly access to career-building resources around the area. There are many ways in which our location can support our residents' personal and professional growth. Furthermore, the safety of the neighborhood and the opportunity to connect with nearby residents enhance the sense of community and belonging that we strive to cultivate.







#### JOB OPPORTUNITIES



#### MARTA ACCESS



#### **GREEN SPACE & PARKS**



#### CAREER BUILDING

#### APARTMENTS







# **BUCKHEAD REDEFINED**

VISIO BUCKHEAD STRENGTHENS' COMMUNITY BONDS WITH PROGRAMMATIC AND POLICY CHANGES TO CREATE A MORE COMFORTABLE, SAFE, AND INCLUSIVE DISTRICT



NEW PARK

NEW PEDESTRIAN PATH

EXISTING

PATH-

VITALITY reate usable public spaces

that complementcurrent resources and energize Buckhead to become a more vibrant place.

**MOBILITY** improve multimodalaccess in, around, and

**LIVABILITY** bonds with programmatic and policy changes to create a more comfortable, safe, and inclusive

**KE LANE** ACCESS



#### **BUCKHEAD REDEFINED** LENOX SQUARE

The upcoming development on the site offers possibilities for our project to evolve and adapt to the changing needs of the community, serving as a catalyst towards achieving the larger vision. This development will also improve the accessibility of the area, enabling our users to actively participate in community engagement and walkability.



# **DESIGN INTENT**

# To create a supportive **transitional space** that adapts to the area's changing needs over time and **utilizes public spaces** as a platform for **personal growth and community engagement**.





In designing our project, we aimed to utilize the site's resources and our own design decisions to create a supportive transitional space that adapts to the areas changing needs and utilizes public spaces as a platform for personal growth and community engagement.

To begin our design approach, we recognized that the public are not just passive occupants but also active users of our project. Our project's location in a public-facing site with abundant external resources presents an opportunity to leverage the relationship between residents and the public to enhance the development of our residents. We aim to strategically design the visual and physical thresholds between these two user groups, enabling residents to selectively engage with the public at their discretion.



# **MASSING DIAGRAMS**

#### 1 - PREFERRED FOOTPRINT

The first level of the building is built up around the entire site to match the height of the lower surrounding buildings.

#### 2 – COURTYARD

A central courtyard is incorporated to foster a sense of community and provide ample daylight to the surrounding spaces.

#### **3 - ENTRIES/CONNECTIONS**

Multiple inviting entrances to the courtyard are accessible to both residents and the public from Lenox Rd. and the surrounding community, making it a transitional space within the urban setting.

#### 4 – PUBLIC PROGRAM

The spaces surrounding the courtyard are designated for public program, serving as a unifying feature that engages all users within the site. These areas offer opportunities for residents to develop life skills and build connections.

#### 5 – ELEVATE BUILDING

The remainder of the program is elevated over the courtyard and public program to maintain existing connections below, while gradually stepping up in height towards the taller context to the east.

#### 6 – ELEVATED PROGRAM

To ensure a private and secure community for residents, the residential program and career center are located in elevated masses. The gym, however, remains open to the public, offering an area for residents and the community to enjoy recreational activities together.



#### 4 – PUBLIC PROGRAM



2 – COURTYARD



5 – ELEVATE BUILDING



3 - ENTRIES/CONNECTIONS



#### 6 – ELEVATED PROGRAM

### **FINAL DESIGN**





By adapting the building to the site's steep topography, we created moments which allow the users to experience different areas around the site. The new public road provides access around the site and a buffer zone between the Hotel and the residents. We also address the street front of the project by maintaining a required minimum 40ft setback from Lenox Rd for the future development. Services such as trash and deliveries will be offered from Oak Valley Rd which is an ideal location for traffic control.

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SETBACK MIN. 40FT

mana







Now we want to look deeper into the entrances into our site. This view is from the entrance on the northern side of the project where staff parking is located. This entrance provides a more secludedentranceintotheprivate part of the project through a lobby on the left, as well as an exterior entry into the courtyard.



#### **RESIDENTENTRY – STAFF PARKING**



Another critical entry point is near Lenox Rd which invites pedestrians down into a lowered flexible plaza space that directs visitors towards the courtyard located behind the elevated gym. The plaza also houses a bike shop, enabling individuals entering the area from the Marta or other nearby communities to rent a bike and explore the surrounding Lenox area.



#### **GYMNASIUM ENTRY - LENOX RD**



The southern entrance is expected to be the primary point of entry for local residents, drawing them in under the resource center and up the grand stairs into the courtyard. The resource center, being the most community-oriented aspect of the design, is prominently placed at this entrance to encourage engagement and utilization by the surrounding neighborhood.

![](_page_14_Picture_2.jpeg)

![](_page_14_Picture_3.jpeg)

#### **RESOURCE CENTER ENTRY - WRIGHT AVE**

![](_page_14_Picture_5.jpeg)

## **FLOOR PLANS** FIRST FLOOR

![](_page_15_Figure_1.jpeg)

![](_page_15_Figure_2.jpeg)

6077 SF

#### GROSSING FACTOR 5076 SF

TOTAL = 11,153 SF

The ground floor of the building houses service programs like the boiler room and facility storage, but it also features a publicly accessible auditorium with a multi-purpose design. The auditorium caters to various users in the surrounding area, providing a meeting and presentation space for commercial companies, hosting events for the local residents, and offering an educational and recreational space for the building's occupants.

# **FLOOR PLANS** SECOND FLOOR

![](_page_15_Figure_8.jpeg)

<b>RESOURCE CENTER</b>	9,218 SF
<b>GROSSING FACTOR</b>	5,459 SF
ADMINISTRATION	1,539 SF
DINING SPACE	6,864 SF
BIKES/CAFE	4,411 SF
GALLERY SPACE	5,001SF
LOBBY	564 SF

#### TOTAL = 33,056 SF

The second floor is designed to be the most accessible area for the public within our project. It provides ample opportunities for residents to engage and network with the local community while building valuable life skills. The culinary kitchen, bike shop, gallery, and resource center are strategically located around the inner courtyard, which offers a versatile and adaptable space for future installations and events. This arrangement fosters an inclusive and dynamic environment that promotes community interaction and growth.

# **BIKE SHOP/CAFE**

![](_page_16_Picture_1.jpeg)

#### **ART GALLERY**

![](_page_16_Picture_3.jpeg)

# **FLOOR PLANS** THIRD FLOOR

![](_page_17_Figure_1.jpeg)

GROSSING FAC	TOR	2,566 SF
ADMINISTRATIO	NC	656 SF
LOUNGE SPACE	_	1,874 SF
GYM LOUNGE		945 SF
CAREER CENTE	ER	3,602 SF
RESIDENTIALA	AREA	4,748 SF
GYM/FITNESS		8.766 SF
	TOTAL =	23,157 SF

The third floor is designed to be a private and independent space for the residents, with the exception of the elevated gym. We understand that fostering a sense of communityisimportant, so we have created a fluid connection between the private fitness and lounge space in the east and the raised career center's academic floor in the center. This setup promotes day-to-day interactions between the residents while also providing a naturally lit environment that fosters independence and personal growth.

# **FLOOR PLANS** FOURTH FLOOR

![](_page_17_Figure_5.jpeg)

<b>GROSSING FAC</b>	TOR	784 SF
CAREER CENTE	R	3,602 SF
RESIDENTIALA	REA	7,168 SF
OPEN FITNESS		1,685 SF
	TOTAL =	13,239 SF

Upon reaching the fourth floor, residents are greeted with additional living units. The communal areas are thoughtfully arranged to promote socialization and foster a strong sense of community among residents. The large punch outs in the building further enhance this experience by serving as meeting points for the residents. The career center, which is connected to the exterior walkway, features a makerspace and art studio that offer a diverse range of activities, ensuring a dynamic and stimulating living environment.

#### **RESIDENTIAL MEZZANINE**

![](_page_18_Picture_1.jpeg)

#### **UPPER RESIDENTIAL**

![](_page_18_Picture_3.jpeg)

# **FLOOR PLANS** FIFTH FLOOR

![](_page_19_Figure_1.jpeg)

GROSSING FACTOR 1,379 SF

#### RESIDENTIAL AREA 7,168 SF TOTAL = 8,547 SF

![](_page_19_Figure_4.jpeg)

![](_page_19_Figure_5.jpeg)

# ROOFPLAN

![](_page_19_Figure_7.jpeg)

![](_page_19_Picture_8.jpeg)

The roofs of the residential buildings serve a dual purpose by housing the rooftop mechanical units and solar panels strategically placed around the roof drains. The slope of the roof leads to the central roof drains that collect and channel rainwater outwards towards the exterior walls and down next to the columns.

# **UNIT LAYOUT**

![](_page_20_Picture_1.jpeg)

![](_page_20_Picture_2.jpeg)

#### **STAFF UNIT - 3 BED** 3 UNITS

![](_page_20_Picture_4.jpeg)

![](_page_20_Picture_5.jpeg)

#### **TYPICAL UNIT - 2 BED** 20 UNITS

![](_page_20_Picture_7.jpeg)

![](_page_20_Figure_8.jpeg)

![](_page_20_Figure_9.jpeg)

![](_page_20_Figure_10.jpeg)

![](_page_20_Figure_11.jpeg)

#### **COMMON SPACE**

#### **TRANSVERSE SECTION**

![](_page_21_Figure_1.jpeg)

![](_page_21_Picture_2.jpeg)

![](_page_21_Figure_3.jpeg)

#### COURTYARD

![](_page_21_Picture_5.jpeg)

# LONGITUDINAL SITE SECTION

![](_page_22_Figure_1.jpeg)

![](_page_22_Figure_2.jpeg)

![](_page_22_Picture_3.jpeg)

![](_page_22_Picture_4.jpeg)

#### **ENVELOPE** BUILDING SECTION: A

![](_page_23_Figure_1.jpeg)

#### GYMNASIUM

![](_page_23_Picture_3.jpeg)

![](_page_24_Figure_0.jpeg)

![](_page_24_Figure_1.jpeg)

![](_page_24_Figure_2.jpeg)

BOX BEAM -

NICHIHA ESSENTIAL STARTER FLASHING –

ALUMINUM STOREFRONT SYSTEM –

![](_page_24_Figure_8.jpeg)

## ENVELOPE BUILDING SECTION: B-

![](_page_25_Picture_1.jpeg)

#### **MEZZANINE LOUNGE AREA**

![](_page_25_Picture_3.jpeg)

![](_page_26_Figure_0.jpeg)

![](_page_26_Figure_1.jpeg)

![](_page_26_Figure_2.jpeg)

#### **FRAMING AXON**

![](_page_27_Figure_1.jpeg)

![](_page_27_Picture_2.jpeg)

steel framing on spread footings. This construction method allows us to have a lighter touch on the site, reduced site disturbance, and lowered construction time by providing a system contractors are most familiar with. The red in this diagram also highlights the moment frames, bracing, and shear walls.

# LOAD TRACING AXON

![](_page_27_Picture_5.jpeg)

#### **STRUCTURAL PLAN** FIRST FLOOR

![](_page_28_Figure_1.jpeg)

![](_page_28_Picture_2.jpeg)

#### **STRUCTURAL PLAN** SECOND FLOOR

![](_page_28_Figure_4.jpeg)

# **STRUCTURAL PLAN** THIRD FLOOR

![](_page_29_Figure_1.jpeg)

![](_page_29_Picture_2.jpeg)

## **STRUCTURAL PLAN** FOURTH FLOOR

![](_page_29_Figure_4.jpeg)

![](_page_29_Picture_5.jpeg)

# **STRUCTURAL PLAN** FIFTH FLOOR

![](_page_30_Figure_1.jpeg)

![](_page_30_Picture_2.jpeg)

#### **STRUCTURAL PLAN** ROOF

![](_page_30_Figure_4.jpeg)

![](_page_30_Picture_5.jpeg)

# **MECHANICAL AXON**

![](_page_31_Figure_1.jpeg)

EXHAUST

FRESH AIR INTAKE

SUPPLY

RETURN

The mechanical systems of the project include a ducted VAV system for all spaces except the apartment units above, which use a VRF minisplit system with condensers on the roof. A fan room connects the ducted VAV system to the boiler room on the service side of the project, while the VAV system provides fresh air within the large spaces. The VRF minisplit system is flexible for the users and reduces the plenum and chase space.

#### **DUCTED VAV**

![](_page_31_Figure_8.jpeg)

#### **SPACES**

RESOURCE CENTER CAREER CENTER BIKE SHOP/CAFE GYM DINING GALLERY LOUNGE/FITNESS

#### **BENEFITS**

LOCAL TEMPERATURE CONTROL MODERATE COST SELF-BALANCING SYSTEM ZONING CAPABILITIES IMPROVED AIR QUALITY

#### **VRF MINISPLIT**

![](_page_31_Picture_14.jpeg)

#### **SPACES**

APARTMENT UNITS

#### **BENEFITS**

ENERGY EFFICIENCY ZONING CAPABILITIES IMPROVED AIR QUALITY QUIET OPERATION SPACE-SAVING DESIGN EASY INSTALLATION AND MAINTENANCE

## **MECHANICAL PLAN** FIRSTFLOOR

![](_page_32_Picture_1.jpeg)

![](_page_32_Picture_2.jpeg)

![](_page_32_Picture_3.jpeg)

![](_page_32_Picture_4.jpeg)

![](_page_32_Figure_5.jpeg)

![](_page_32_Figure_6.jpeg)

![](_page_32_Picture_7.jpeg)

# **MECHANICAL PLAN** THIRD FLOOR

![](_page_33_Figure_1.jpeg)

![](_page_33_Picture_2.jpeg)

![](_page_33_Picture_3.jpeg)

#### **MECHANICAL PLAN** FOURTH FLOOR

![](_page_33_Figure_5.jpeg)

![](_page_33_Figure_6.jpeg)

![](_page_33_Picture_7.jpeg)

# **MECHANICAL PLAN** FIFTH FLOOR

![](_page_34_Figure_1.jpeg)

![](_page_34_Picture_2.jpeg)

![](_page_34_Picture_3.jpeg)

![](_page_34_Picture_4.jpeg)

![](_page_34_Figure_5.jpeg)

#### **MECHANICAL PLAN** ROOF

![](_page_34_Figure_7.jpeg)

![](_page_34_Picture_8.jpeg)

![](_page_34_Figure_9.jpeg)

![](_page_35_Figure_0.jpeg)

![](_page_35_Picture_1.jpeg)

TREES PROVIDE SHADE DURING THE SUMMER AND ALLOW LIGHT THROUGH DURING THE WINTER. THEY ALSO SERVE AS A PRIVACY SHIELD FOR RESIDENTS

![](_page_35_Figure_3.jpeg)

![](_page_35_Figure_4.jpeg)

![](_page_35_Picture_5.jpeg)

![](_page_35_Figure_7.jpeg)

![](_page_35_Figure_8.jpeg)

![](_page_35_Figure_10.jpeg)

OPERABLE WINDOWS ARE LOCATED ON EACH SIDE OF THE UNIT ALLOWING FOR CROSS VENTILATION AND FRESH AIR

![](_page_35_Figure_12.jpeg)

CLOSED

OPEN

![](_page_36_Picture_0.jpeg)

Through thoughtful design and programming. Foster Forward strives to create a supportive transitional space that empowers young adults aging out of foster care to achieve independence and personal growth. Our project adapts to the changing needs of the community and utilizes public spaces as a platform for community engagement. With our innovative approach, we aim to break down barriers and foster a sense of belonging, creating a space where our residents and the surrounding community can thrive.