

Sankofa Reproductive Health



Art Story Event

Southside Communication Center

Breedlove Readers



Youth Program



Meet the Team

SU EDI Team

Hartley Peterson

Environmental and Interior Design
Minor in Environment and Society

Roselynn Hodges

Environmental and Interior Design
Minor in Architecture

Jae Bin Lee

Environmental and Interior Design
Minor in Architecture
Minor in Informational Technology
Design and Startups

Ruayan Yu

Environmental and Interior Design

SUNY ESF Team

Kern Linder

Construction Management

Zachary Bernard

Construction Management

Conor Mahoney

Construction Management

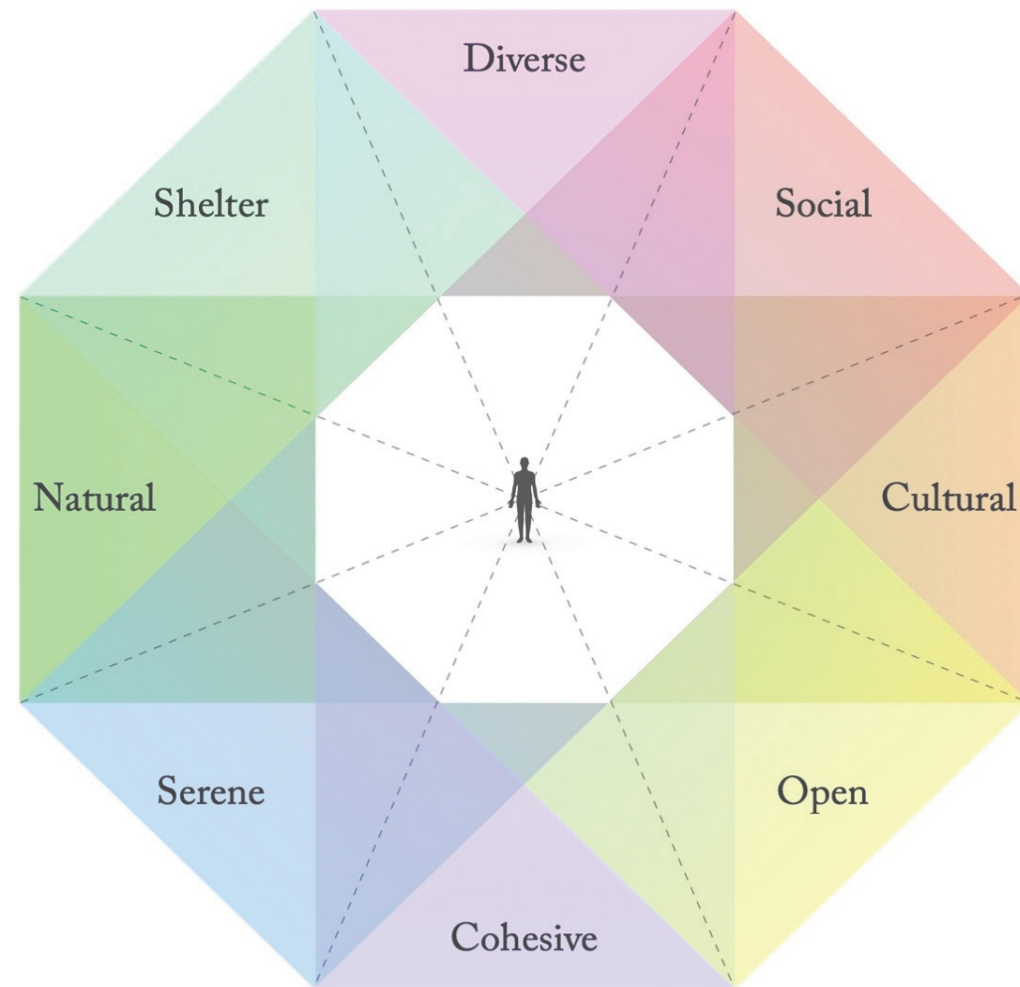
Christian Rossi

Construction Management

Design Intent

Perceived sensory dimensions

Here we summarize a comprehensive study, conducted since the early 1980s, with the intention to identify the most important perceived qualities of urban green spaces. We compile evidence collected between 1984 and 2018 suggesting eight key qualities, or perceived sensory dimensions, as particularly important to support people's needs. A summary interpretation of our collected evidence suggests that they can be related to each other in a model with four axes of opposing qualities; natural, sheltered, cohesive, & serene.



Social

Implement elements in the community center that cater to various sensory experiences - visual, auditory, olfactory, tactile, and even taste. For instance, incorporating artwork, calming color schemes, ambient music, soothing scents, and textured surfaces can engage the senses of the visitors.

Shelter

Utilize the PSD concept to design spaces within the center that provide a comfortable and non-intimidating environment for reproductive health programs. A safe haven, a sanctuary, in which one can either relax in solitude or spend time in smaller social settings.

Cultural

Utilize the principles of PSD to design interactive learning spaces. Visual elements like vibrant artwork, interactive educational displays, and ergonomic furniture can enhance the learning experience. Employing a variety of textures and materials can also engage the sense of touch and enrich the educational environment.

Serene

Consider incorporating soft lighting, calming colors, and natural textures to create a soothing atmosphere, which can help individuals feel at ease during sensitive discussions and consultations.

Existing Exterior



Exterior

New Exterior Paint

A new paint color that goes along with the neighborhood, and the adjacent building, Cafe Sankofa.

Improved Signage

As current conditions does not have well visible signage out in the front of the building, we are proposing a new signage.



Accessible Entry

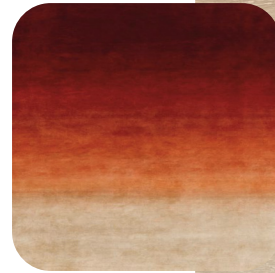
Newly designed ramp ensures everyone has the same entry experience. Ramp is located in the front due to MX-2 zoning ordinance.

Level 1

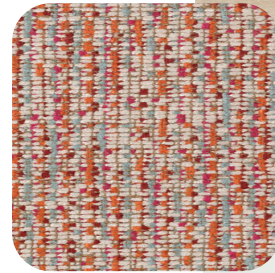


Mineral
Flooring

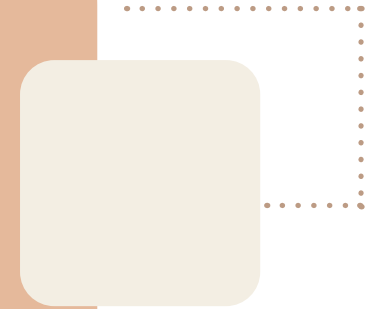
Carpet



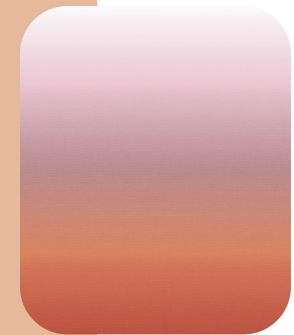
Upholstery



Paint



Porcelain
Tile

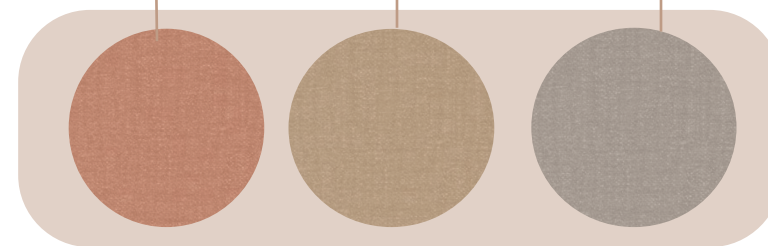
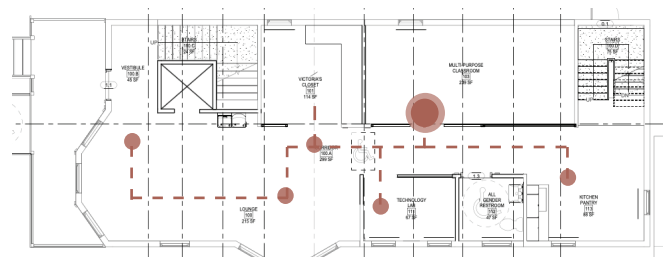


Wallcover

Level 1

Classroom

Open & Social



Upholstery

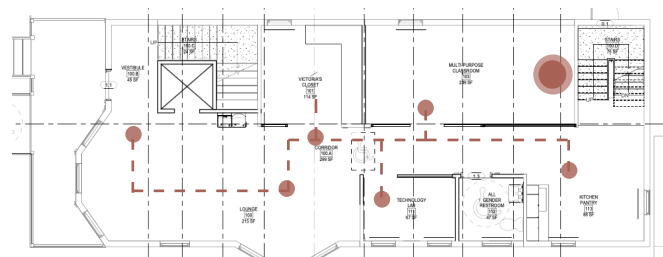
Acoustic Ceiling

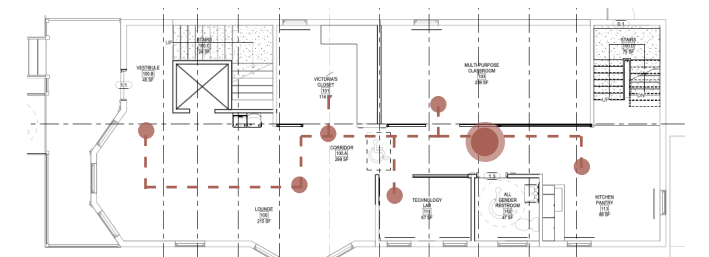
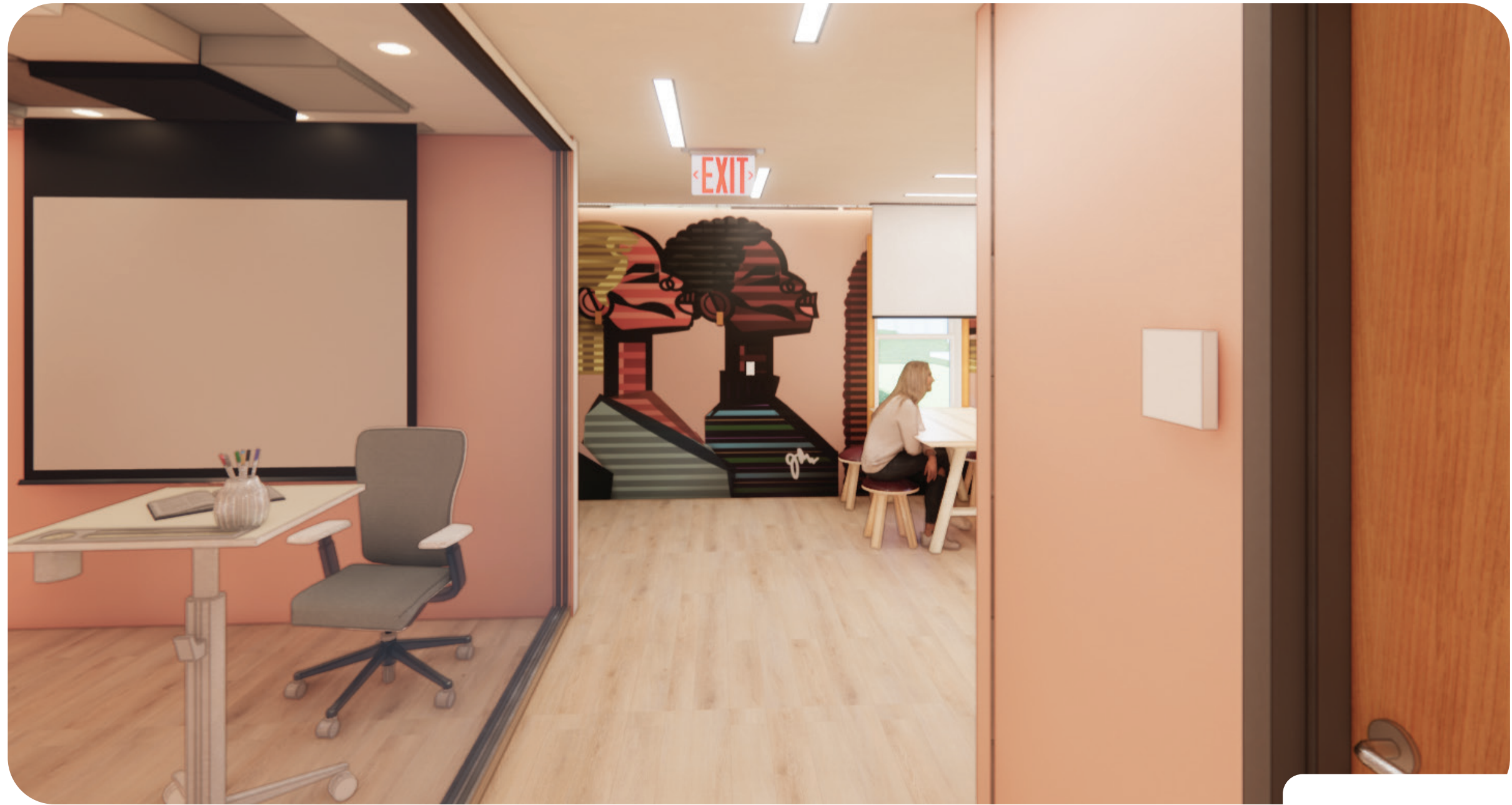
Its simple square forms are layered for dimensionality and depth, forming an urban atmosphere that disproves the silence. Supports the noise of a classroom with multiple functions.

100% recycled PET felt and uses 60% pre-consumer recycled content. This product creates dimension for the multiple functions of this classroom while also supporting sustainability.



Literacy
Focus

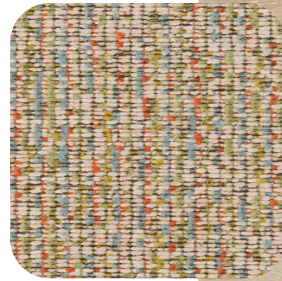




Level 2



Upholstery



Paint



Mineral
Flooring



Wallcover



Level 2

Lounge & Art Space

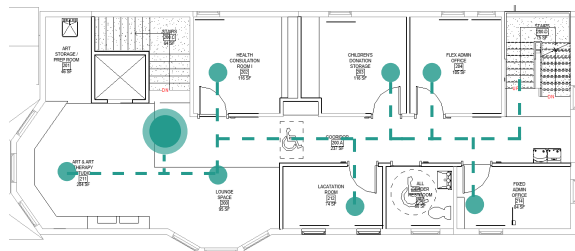
Social & Serene

Wall Paint



Collapsible
Acoustic Divider

Mineral
Flooring



Level 2

Art Therapy Room

Social & Cultural

Built-In
Storage

Pin-Up
Space



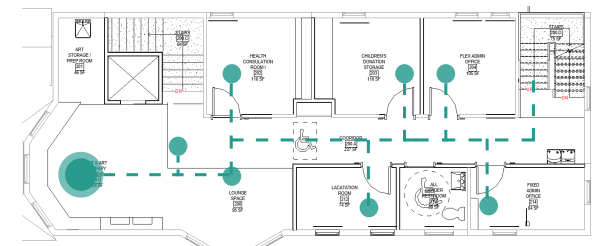
Built-In
Bench



Built-ins



Flexible
Furniture

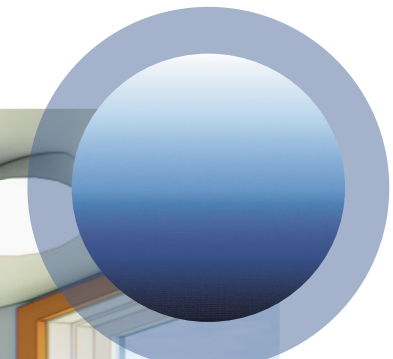


Level 2

Lounge & Hallway

Serene & Open

Gradient
Wall Cover



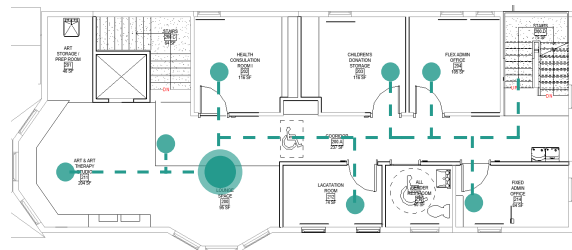
Lighting



Book Shelf



Upholstery



Attic



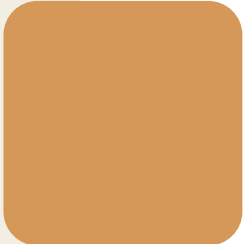
Wood Laminate



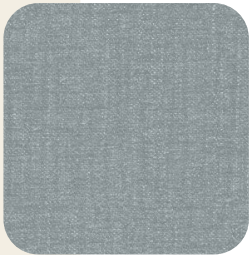
Mineral Flooring



Paint



Upholstery



Carpet



Attic

Multi Purpose Room

First Configuration

Paint



Area rug

Attic

Multi Purpose Room

Second Configuration





Perspective Section



EXISTING CONDITIONS



SCOPE OF WORK

- Interior Demolition
- Install Shoring for Partition and Elevator Work
- Address Building's Structure
- ADA Compliant Bathrooms
- Electrical Assessment and Upgrade
- Envelope Upgrades
- New Gypsum Wall Board and Gypsum Ceilings
- Casework
- Attic Dormer and Emergency Exit Stairs
- New ADA Compliant Entrance
- Landscaping



PROJECT SCHEDULE

Work Breakdown Structure

- A five-part schedule breaking down the renovation into demolition, construction of each of the three floors and the exterior.
- Scheduled to be completed within 98 days
- Built in float for potential setbacks

▸ Southside Communication Center Renovation
▸ General Conditions
▸ Long Lead Procurement
▸ Mobilize on Site
▸ Commence of Construction
▸ Demolition
▸ Elevator
▸ Basement
▸ First Floor
▸ Carpentry
▸ Paint
▸ Doors & Hardware
▸ Ceiling Assemblies
▸ Windows & Glazing
▸ Electrical
▸ Plumbing
▸ HVAC
▸ Specialties
▸ Millwork & Casework
▸ Flooring
▸ Second Floor
▸ Carpentry
▸ Paint
▸ Doors & Hardware
▸ Ceiling Assemblies
▸ Electrical
▸ Plumbing
▸ HVAC
▸ Specialties
▸ Millwork & Casework
▸ Floor

Third Floor (Attic)

- Carpentry
- Paint
- Doors & Hardware
- Ceiling Assemblies
- Electrical
- HVAC
- Floor
- Exterior
- Appliances

Landscaping

Punchlist

Project Closeout

COST ESTIMATE

- Broke Estimate out by each floor.
- Subcontracted mechanical, electrical, and plumbing.
- All exterior work was subcontracted.
- Total Cost of Project = \$840,905.00

Floor	Material	Labor	Total Cost
Basement	\$14,500.00	\$10,706.25	\$25,206.25
1st Floor	\$113,031.25	\$84,267.50	\$197,298.75
2nd Floor	\$77,240.00	\$67,902.50	\$145,142.50
Attic	\$115,200.00	\$98,415.00	\$213,615.00
Totals	\$319,971.25	\$261,291.25	\$581,262.50
Subcontractors	Totals		
HVAC	\$17,000.00		
Plumbing	\$10,000.00		
Electrical	\$12,000.00		
Dormer/Roofing Package	\$20,000.00		
Fire Escape	\$8,000.00		
ADA Exterior Ramp	\$10,000.00		
Elevator Assembly	\$182,643.00		
TOTALS	\$259,643.00		

VALUE ENGINEERING

Trex Decking Substitute

- Product Lifespan:
 - Traditional: 10-15 Years
 - Trex: 20-25 Years
- Payback Period:
 - Traditional: 122 years
 - Trex: 10 years

Substituting pressure treated lumber with Trex decking yields numerous benefits:

- Longer lifespan, cost savings, and improved product quality.
- No impact on project duration.
- A prudent investment for long-term value.

VALUE ENGINEERING

Focus Area:

- Equipment selection for Southside Communications Center.

Equipment Choice: Air Source Heat Pump (ASHP)

- ASHPs offer energy-efficient heating and cooling.

Cost Analysis:

Initial cost of ASHP installation varies.

Potential incentives like tax credits (\$2,000/yr in New York State).

Comparison with traditional natural gas furnace:

- Initial Cost: \$3,000 vs. \$10,000
- Maintenance Cost: \$1,000 vs. \$500
- Product Lifespan: 15 years vs. 20 years
- Payback Period: 15 years vs. 5 years

•Efficiency and Benefits:

- ASHPs offer significant energy savings over traditional systems.
- Utilize ambient air for heating/cooling, reducing utility bills.
- Modern units achieve COP values of 2.5 to 4, ensuring efficiency.

•Conclusion:

- ASHPs present a cost-effective and sustainable HVAC solution.
- Initial investment outweighed by long-term energy savings and efficiency.
- ASHPs poised to shape the future of HVAC systems globally.

RISK MANAGEMENT



Risk Identification:

Identify potential risks that may impact the project objectives.

Conduct thorough analysis of project documents, stakeholder input, and historical data to recognize possible risks.



Risk Assessment:

Evaluate identified risks based on their likelihood and impact on project success.

Prioritize risks according to their severity and potential consequences.



Risk Mitigation:

Develop strategies to minimize or eliminate identified risks.

Implement preventive measures to reduce the likelihood of occurrence.



Risk Monitoring and Control:

Continuously monitor project activities and performance indicators.

Implement corrective actions as necessary to address emerging risks or deviations from the risk management plan.

EARNED VALUE MANAGEMENT



Planned Value (PV):

Represents the authorized budget assigned to scheduled work.

It indicates the estimated value of work planned to be accomplished within a specific timeframe.



Earned Value (EV):

Signifies the value of work completed and verified at a particular point in time.

It measures the progress achieved according to the project schedule.



Actual Cost (AC):

Reflects the total costs incurred for the work completed up to the current date.

It includes all expenditures associated with the project, such as labor, materials, equipment, and overhead.

THANK YOU