









11/7/2024







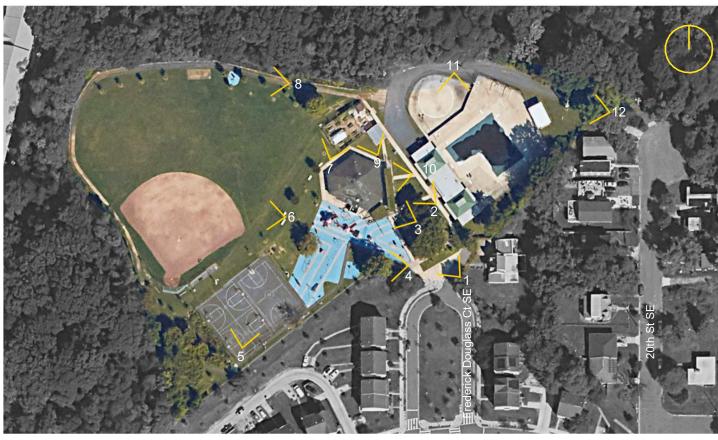








Photographs of Existing Site













5 View North Basketball Co.

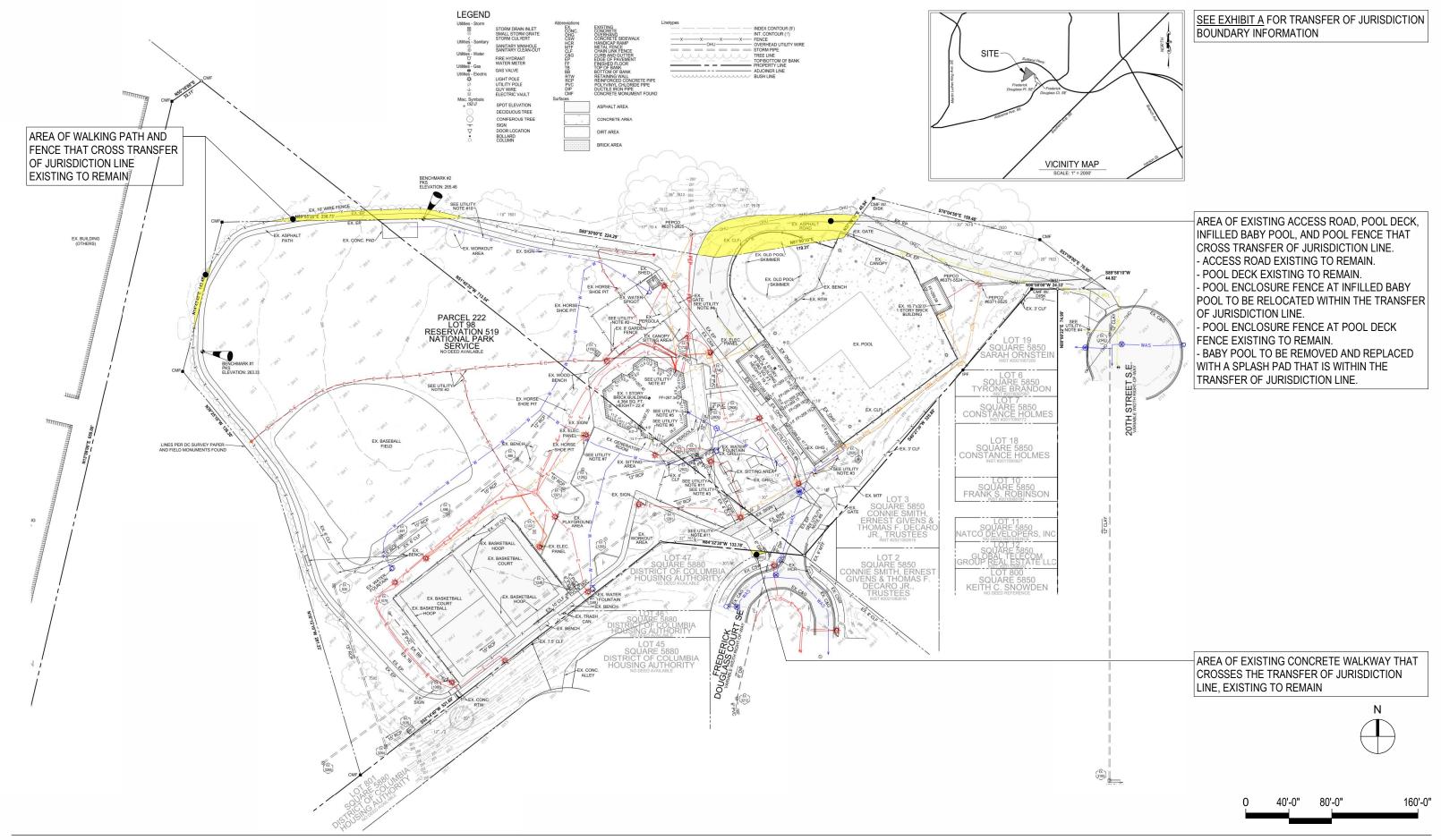












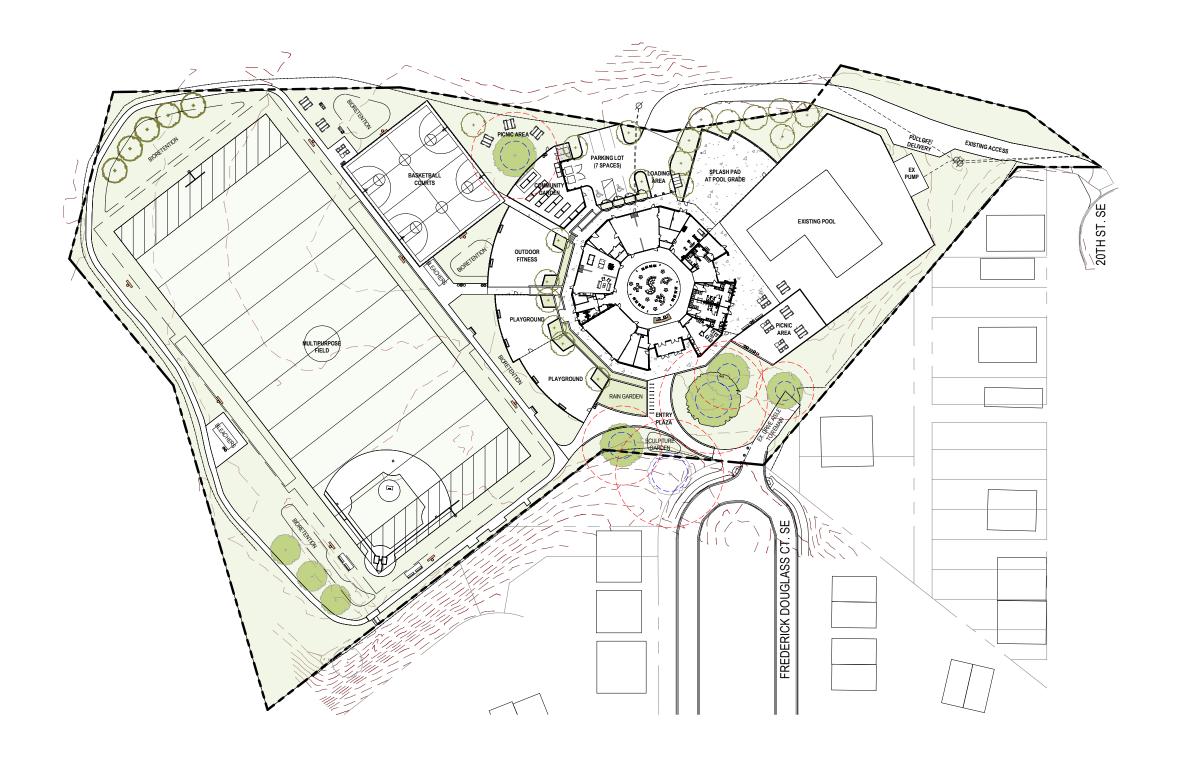


DOUGLASS COMMMUNITY CENTER 1922 Frederick Douglass Ct SE Washington, DC 20020

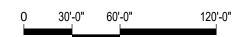
Existing Site Plan Scale 1" = 80'-0"

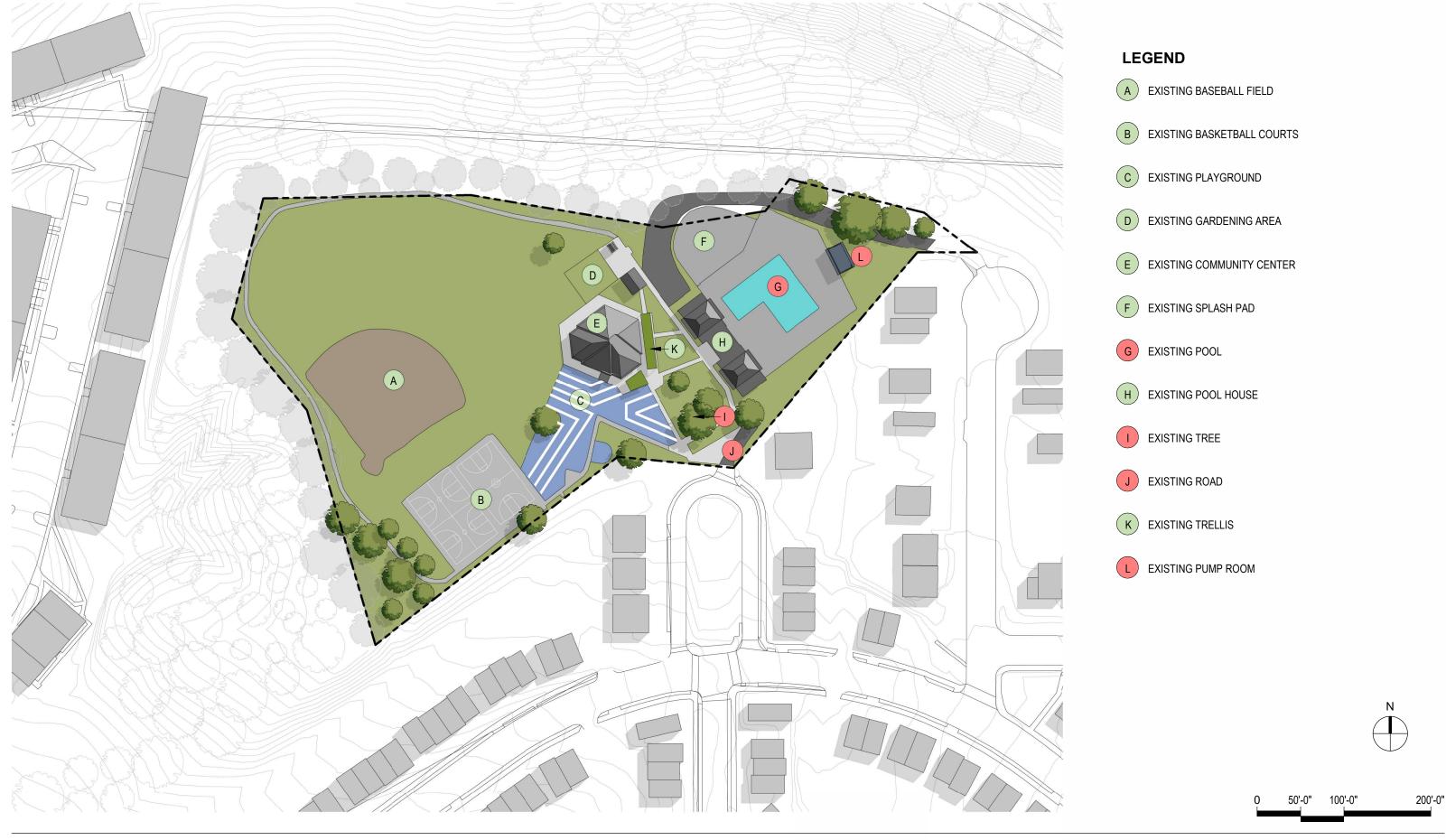














DOUGLASS COMMMUNITY CENTER 1922 Frederick Douglass Ct SE Washington, DC 20020

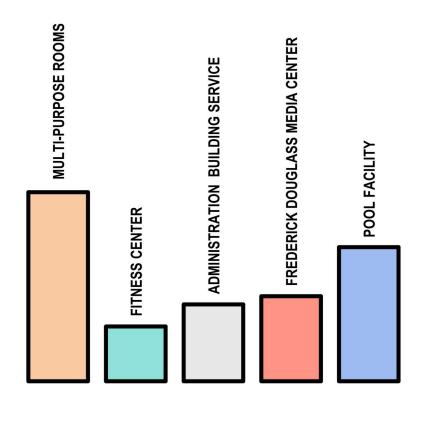


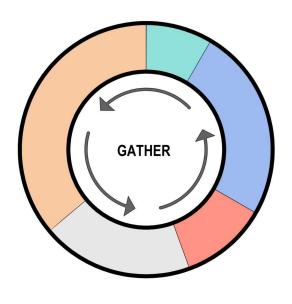


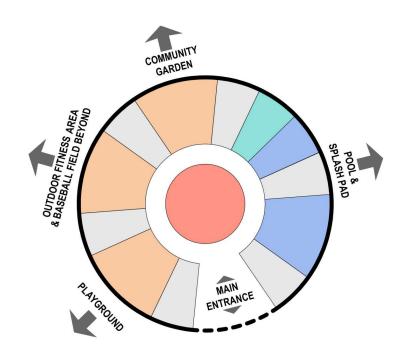


200'-0"

DOUGLASS COMMMUNITY CENTER 1922 Frederick Douglass Ct SE Washington, DC 20020





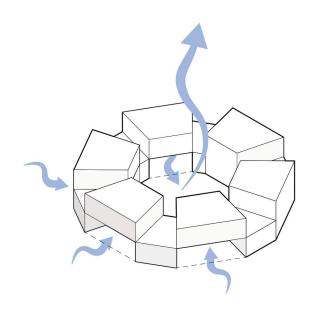


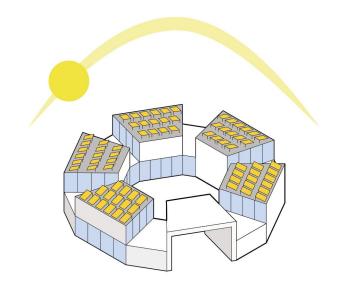
PROGRAM FORM CONTEXT

1 PROGRAM FLEXIBILITY

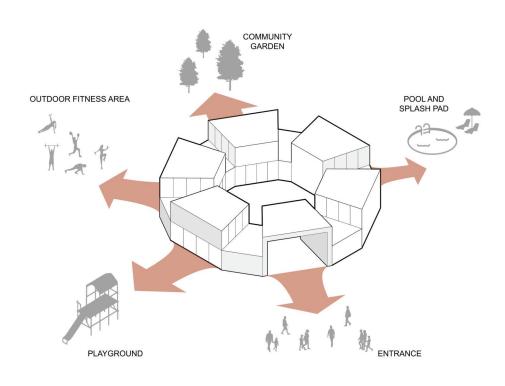
The Douglass Community Center represents an integration of diverse programs within a thoughtfully designed circular form, incorporating versatile multi-purpose rooms, a fitness center, administrative services, inviting pool facilities, and a media center. At the heart of the gathering area lies a double-height space with a large skylight and strategically placed clerestory windows, ensuring panoramic views and abundant natural light throughout the structure.

The intentional radial layout of the center plays a pivotal role in providing 360-degree panoramic views, fostering a seamless connection between indoor and outdoor activities. This design approach not only enhances the aesthetic appeal of the center but also facilitates a harmonious coexistence with the surrounding environment. Emphasizing the principles of light equity and accessibility to exterior programs, the Douglass Community Center stands as an innovative and cohesive architectural focal point within the urban landscape. This thoughtfully conceived structure not only meets the functional needs of its diverse programs but also attains net-zero certification, marking it as a dynamic and inclusive community space.









NATURAL VENTILATION

SOLAR PANELS AND GEOTHERMAL

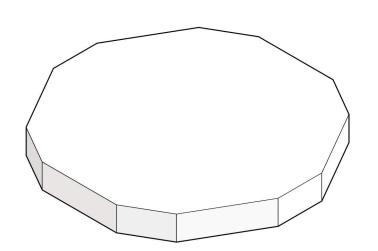
GREEN ROOFS AND RAINWATER HARVESTING

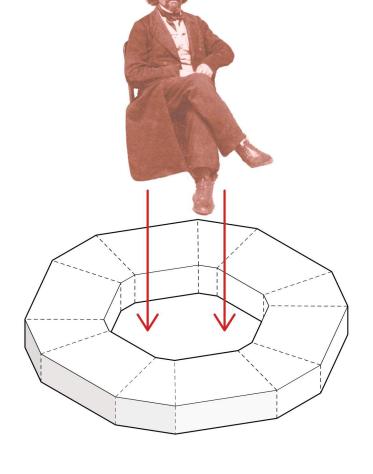
QUALITY VIEWS

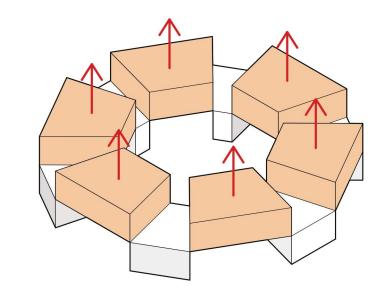
2 NET-ZERO READY SUSTAINABILITY

Our team is fully prepared to mee the needs of Net Zero Design. Net Zero design requires a higher level of leadership and engagement from all parties. Unlike other high-performance metrics that compare performance to a baseline building, net zero design is pass/fail. To ensure the goals are met, the entire Owner-Design Build team must be fully engaged from the very outset of the project. The most important component of this effort is load reduction. Working together, the team must identify critical loads and then work together to minimize or eliminate them all together.

This project will most likely need to meet a gross EUI target of no more than 20 kBtu/sf/yr, or 60% energy reduction, over the national benchmark for this building type. This will need to be accomplished through passive architectural response, optimized building envelope detailing, high-performance active systems (including heat recovery and lighting) selection, and intuitive control systems. Our early calculations estimate that we will need 25 geothermal wells (could be up to 35 wells if there is poor ground conductivity). These 25 geothermal will require a 10,000 SF geothermal field area (based on 20'x20' grid for each well). We plan to install 200 PV Panels and use a 6,000 SF PV array area. This calculation includes allowance for spacing between PV panels. Connecting people to the natural environment is a core value that makes buildings feel human, and only in doing so can a building truly become a place where people want to live and play.







COMMUNITY CIRCLE

CENTRAL GATHERING SPACE

DOUBLE HEIGHT PROGRAM SPACES

3 CELEBRATING FREDRICK DOUGLASS

Our team has literally placed the story of Frederick Douglass at the center of our proposed design. Our concept is a central space dedicated to honoring the work of Frederick Douglass. All other program spaces and views of the site will radiate from this central space. Our team will talk with the community to collect ideas on the primary use of this central space.

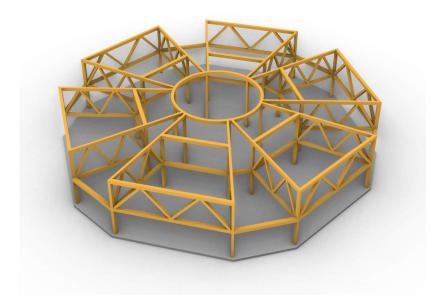
We believe there are many possibilities to create a rich and purposeful space. The central space could be a reading room, honoring the fact that Frederick Douglass taught others to read. Or a writing area to acknowledge

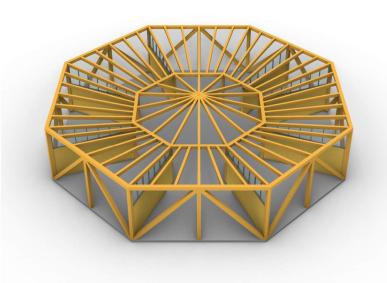
space could be a meeting room, honoring Douglass's negotiation, and persuasion skills. Frederick Douglass built a strong rapport with Abraham Lincoln and then used that position to nudge and/or goad the President to move farther and faster in codifying the Emancipation Proclamation into law and advancing rights of newly free people. The central space could be filled with natural light and art to remind us of Douglass's ability to transcend his early life oppressed by the institution of slavery. Fredrick Douglass was a man of the nineteenth century because he was capable of imagining a future we still have not achieved, where justice, human rights and progress are the guiding beacons of all actions.

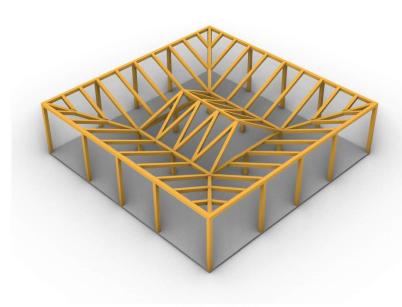
the continuing profound effect the book, The Autobiography of Frederick Douglass, has on America. Our central

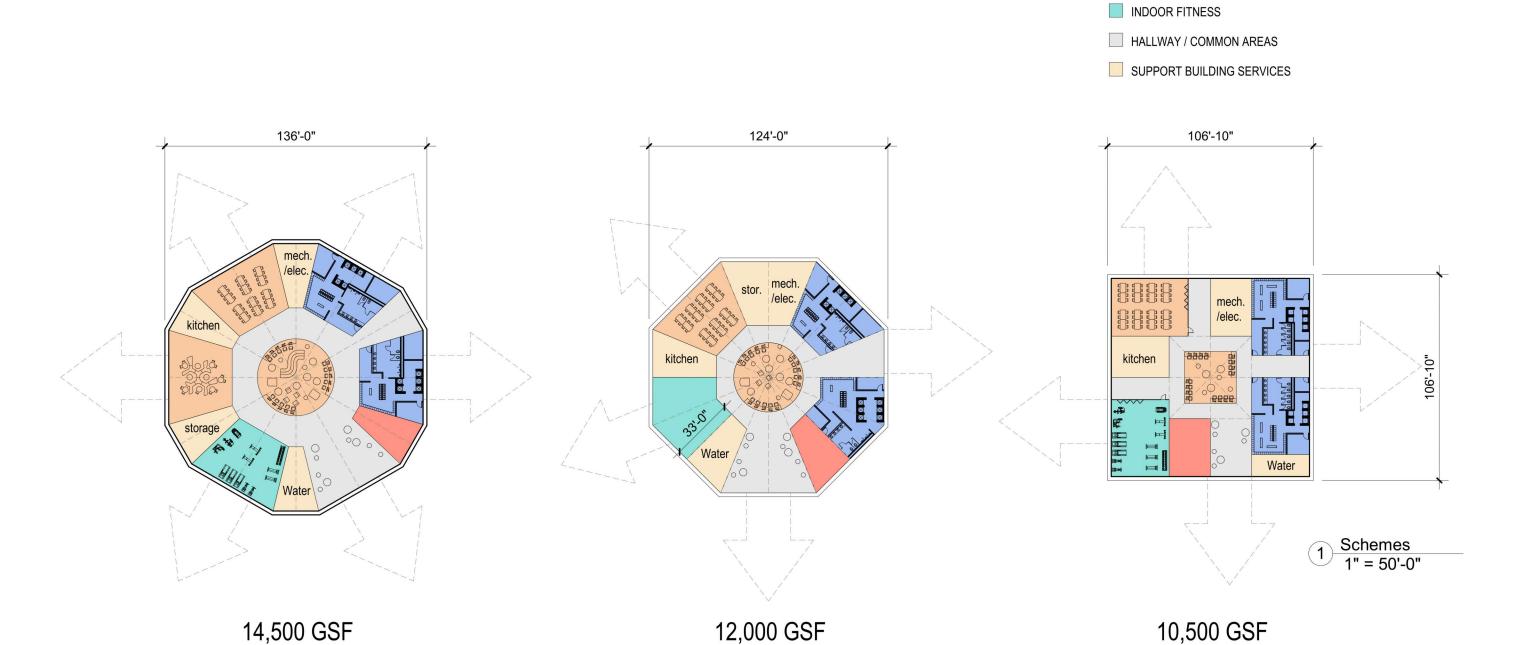
Our team seeks to listen to learn more of the history and needs of the local community and how this will result in the most purposeful redevelopment of the Douglass Community Center.









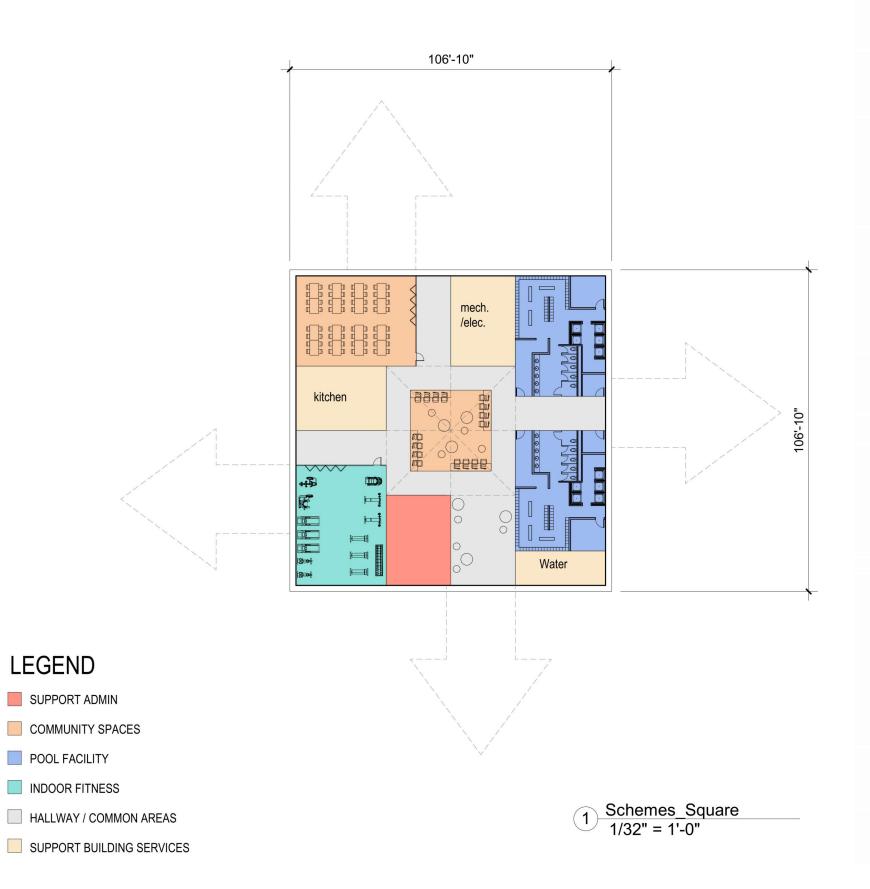


LEGEND

SUPPORT ADMIN

POOL FACILITY

COMMUNITY SPACES



Douglass Community Center

1922 Frederick Douglass Court SE, Washington, DC 20020

		PROGRAM - C	ONCEPT DESIGN PROPOS	AL [10,500 S
	SPACE	QUANTITY	AVG SF/Rm	Total SF
_	Multipurpose Room (Classes, community events, dance studio, etc)	1	1,200	1,200
unity es	Kitchen (Catering)	1	640	640
Community	Computer Lab / Media Center	1	720	720
S	TOTAL COMMUNITY SPACES	3	2,560	2,560
	Fitness Room (cardio and weight equipment)	1	1,200	1,200
Indoor Fitness	Filless Room (Cardio and weight equipment)		1,200	1,200
트표	TOTAL INDOOR FITNESS SPACES	1	1,200	1,200
£	Locker Rooms (WC, showers, changing)	2	1,150	2,300
Pool Facility	Office	1	50	50
<u> </u>	First Aid Office	1	50	50
8	TOTAL POOL FACILITY	4	1,250	2,400
	Entrance, Lobby, and Reception	1	640	640
Support Admin	Staff Office	1	640	640
Sup	Staff Locker Rooms		included in office	
	TOTAL ADMIN SUPPORT SPACES	2	1,280	1,280
	Pool House / Pump Room (new)	1	650	650
	Mechanical Room / Well Pump Room (200-400 sf)	1	640	640
	Electrical Room	1	included in mech. rm.	
		(3)	midiaded mi midemi mi	
8	Fire Pump Room (Water)	1	340	340
ervice	Fire Pump Room (Water) Storage			340
upport ng Service			340	340
Support ilding Service	Storage		340	340
Support Building Service	Storage Janitor's Closet		340	340
Support Building Service	Storage Janitor's Closet Restroom (Family)		340	340
Support Building Service	Storage Janitor's Closet Restroom (Family) Restrooms (Multi-stall)		340	2,140
Support Building Service	Storage Janitor's Closet Restroom (Family) Restrooms (Multi-stall) Restrooms (Single Occupancy)		340	
Support Building Service	Storage Janitor's Closet Restroom (Family) Restrooms (Multi-stall) Restrooms (Single Occupancy) Hallway, Common areas, Vestibules, Walls, etc (10%)	1	340 included in mech. rm.	2,140
Support Building Service	Storage Janitor's Closet Restroom (Family) Restrooms (Multi-stall) Restrooms (Single Occupancy) Hallway, Common areas, Vestibules, Walls, etc (10%) TOTAL BUILDING SERVICE SUPPORT SPACES Pool (new)	1	340 included in mech. rm. 1,630	2,140 3,120
	Storage Janitor's Closet Restroom (Family) Restrooms (Multi-stall) Restrooms (Single Occupancy) Hallway, Common areas, Vestibules, Walls, etc (10%) TOTAL BUILDING SERVICE SUPPORT SPACES Pool (new) Splash Pad / Spray Park	4	340 included in mech. rm. 1,630 19,500 included with pool	2,140 3,120 19,500
	Storage Janitor's Closet Restroom (Family) Restrooms (Multi-stall) Restrooms (Single Occupancy) Hallway, Common areas, Vestibules, Walls, etc (10%) TOTAL BUILDING SERVICE SUPPORT SPACES Pool (new) Splash Pad / Spray Park Playground (new)	1 4	340 included in mech. rm. 1,630 19,500 included with pool 11,900	2,140 3,120
	Storage Janitor's Closet Restroom (Family) Restrooms (Multi-stall) Restrooms (Single Occupancy) Hallway, Common areas, Vestibules, Walls, etc (10%) TOTAL BUILDING SERVICE SUPPORT SPACES Pool (new) Splash Pad / Spray Park Playground (new) Basketball Court (new - relocated)	1 4 1 1 1	340 included in mech. rm. 1,630 19,500 included with pool	2,140 3,120 19,500
	Storage Janitor's Closet Restroom (Family) Restrooms (Multi-stall) Restrooms (Single Occupancy) Hallway, Common areas, Vestibules, Walls, etc (10%) TOTAL BUILDING SERVICE SUPPORT SPACES Pool (new) Splash Pad / Spray Park Playground (new) Basketball Court (new - relocated) Multi-functional Playing Field (baseball, soccer, football)	1 4 1 1 1 2	1,630 19,500 included with pool 11,900 4,750 57,150	2,140 3,120 19,500 11,900 9,500
	Storage Janitor's Closet Restroom (Family) Restrooms (Multi-stall) Restrooms (Single Occupancy) Hallway, Common areas, Vestibules, Walls, etc (10%) TOTAL BUILDING SERVICE SUPPORT SPACES Pool (new) Splash Pad / Spray Park Playground (new) Basketball Court (new - relocated) Multi-functional Playing Field (baseball, soccer, football) Outdoor Fitness	1 1 1 1 1 2 1	1,630 19,500 included with pool 11,900 4,750	2,140 3,120 19,500 11,900 9,500 57,150
Support Outdoor Amenities Building Service	Storage Janitor's Closet Restroom (Family) Restrooms (Multi-stall) Restrooms (Single Occupancy) Hallway, Common areas, Vestibules, Walls, etc (10%) TOTAL BUILDING SERVICE SUPPORT SPACES Pool (new) Splash Pad / Spray Park Playground (new) Basketball Court (new - relocated) Multi-functional Playing Field (baseball, soccer, football) Outdoor Fitness Walking Path / Track	1 4 1 1 1 2	1,630 19,500 included with pool 11,900 4,750 57,150 965	2,140 3,120 19,500 11,900 9,500 57,150 965
	Storage Janitor's Closet Restroom (Family) Restrooms (Multi-stall) Restrooms (Single Occupancy) Hallway, Common areas, Vestibules, Walls, etc (10%) TOTAL BUILDING SERVICE SUPPORT SPACES Pool (new) Splash Pad / Spray Park Playground (new) Basketball Court (new - relocated) Multi-functional Playing Field (baseball, soccer, football) Outdoor Fitness	1 1 1 1 1 2 1 1 1	1,630 19,500 included with pool 11,900 4,750 57,150	2,140 3,120 19,500 11,900 9,500 57,150

Total Interior

10,560



STUDIOTWENTYSEVENARCHITECTURE
11/7/2024

KITCHEN **LEGEND** SUPPORT ADMIN COMMUNITY SPACES POOL FACILITY FIRST FLOOR PLAN 3/64" = 1'-0" ■ INDOOR FITNESS HALLWAY / COMMON AREAS SUPPORT BUILDING SERVICES

Douglass Community Center

1922 Frederick Douglass Court SE, Washington, DC 20020

PROGRAM - SCHEMATIC DESIGN PROPOSAL [12,800 SF]

	SPACE		QUANTITY	AVG SF/Rm	Total SF
žį "	Multipurpose Room (Classes / Community Events / etc)	ΙГ	2	1,118	2,236
Spaces	Computer Lab / Media Center	1 [1	1,529	1,529
Community Spaces	TOTAL COMMUNITY SPACES		3	2,647	3,765
. "	Fitness Room (cardio and weight equipment)	1 [1	545	545
Indoor Fitness	Multipurpose Room (Gym / Dance Studio)		1	1,087	1,087
프 분	TOTAL INDOOR FITNESS SPACES		2	1,632	1,632
	Locker Rooms (WC, showers, changing)		2	484	968
₹	Private Changing Rooms		2	80	160
Faci	Lifeguard Office (includes First Aid)	ΙГ	1	222	222
Pool Facility	First Aid Office		1	included	
_	TOTAL POOL FACILITY	[6	786	1,350

	Entrance, Lobby, and Reception (included in core factor)
	Staff Office
Admin	Staff Locker Rooms
-	TOTAL ADMIN SUPPORT SPACES

2	480	480
	included in office	
1	480	480
1	included in core	

		Pool House / Pump Room (existing to remain)
		Mechanical Penthouse
		Mechanial Closets (distributed)
		Electrical Room
	φ	Water Room
	T S	IT/Security Room (OCTO)
	Support Iding Service	Kitchen (+Storage)
	Supp Building	Janitor's Closet
	Bui	Storage (Closets)
		Storage Exterior (Closet)
		Private Restrooms
		Core Factor (circulation, vestibules, walls, etc) - 25%
		TOTAL BUILDING SERVICE SUPPORT SPACES

1	-	-
1	502	502
6	varies	246
1	169	169
1	169	169
1	148	148
1	500	500
1	18	18
2	168	336
1	167	167
2	57	114
		3,204
18	1,898	5,573

	Pool (existing to remain)
	Splash Pad / Spray Park (new)
"	Playground (new)
iţie	Basketball Court (new)
Outdoor Amenities	Multi-functional Playing Field (new baseball + football)
or A	Outdoor Fitness (new)
ţģ	Walking Path / Track (new pathways)
8	Community Garden (new)
	Picnic/Grilling (designated 'bosque' area)
	TOTAL OUTDOOR AMENITIES

1	18,500	18,500
1	3,845	3,845
2	2,930	5,860
2	4,770	9,540
1	74,000	74,000
1	2,380	2,380
1	4,500	4,500
1	2,200	2,200
1	2,000	2,000
11		122,825

Total Interior

12,800





DOUGLASS COMMMUNITY CENTER 1922 Frederick Douglass Ct SE Washington, DC 20020



KITCHEN roos) **LEGEND** SUPPORT ADMIN COMMUNITY SPACES POOL FACILITY FIRST FLOOR PLAN 3/64" = 1'-0" ■ INDOOR FITNESS HALLWAY / COMMON AREAS SUPPORT BUILDING SERVICES

Douglass Community Center

TOTAL INDOOR FITNESS SPACES

1922 Frederick Douglass Court SE, Washington, DC 20020

PROGRAM - SCHEMATIC DESIGN PROPOSAL [12,800 SF]

AVG SF/Rm

545

included in core

Total SF

545

930 160 240

1,330

QUANTITY

_	Multinumana Daare (Olassas I Carraminita Fuenta / Fitanas I ata)	1	2	1 110	2.254
runit	Multipurpose Room (Classes / Community Events / Fitness / etc) Computer Lab / Media Center	ł	1	1,118 1.529	3,354 1,529
Community Spaces	TOTAL COMMUNITY SPACES		4	2,647	4,883
<u> </u>					
oor	Fitness Room (cardio and weight equipment)		1	545	545

	Locker Rooms (WC, showers, changing)	2	465
Facil	Private Changing Rooms	2	80
	Lifeguard Office (includes First Aid)	1	240
	First Aid Office	<u> </u>	included
	TOTAL BOOL FACILITY	5	705

	Entrance, Lobby, and Reception (included in core factor)
r ë	Staff Office
ddn V	Staff Locker Rooms
ω -	TOTAL ADMIN SUPPORT SPACES

Pool House / Pump Room (existing to remain)

SPACE

1	490	490
	included in office	
2	490	490
1	-	
1	502	502
6	varies	246
1	169	169

Building Service	
	Mechanical Penthouse
	Mechanial Closets (distributed)
	Electrical Room
	Water Room
	IT/Security Room (OCTO)
	Kitchen (+Storage)
	Janitor's Closet
	Storage Closets (distributed)
	Private Restrooms
	Core Factor (circulation, vestibules, walls, etc) - 24%
	TOTAL BUILDING SERVICE SUPPORT SPACES

1	502	502
6	varies	246
1	169	169
1	169	169
1	148	148
1	465	465
1	72	72
6	varies	542
2	57	114
		3,125
21	1,582	5,552

	Pool (existing to remain)
	Splash Pad / Spray Park (new)
(A)	Playground (new)
iţie	Basketball Court (new)
Outdoor Amenities	Multi-functional Playing Field (new baseball + football)
or A	Outdoor Fitness (new)
tdo	Walking Path / Track (new pathways)
8	Community Garden (new)
	Picnic/Grilling (designated 'bosque' area)
	TOTAL OUTDOOR AMENITIES
	·

11		122,600
1	2,320	2,320
1	2,345	2,345
1	4,500	4,500
1	2,950	2,950
1	74,000	74,000
2	4,770	9,540
2	2,300	4,600
1	3,845	3,845
1	18,500	18,500

Total Interior

12,800





DOUGLASS COMMMUNITY CENTER 1922 Frederick Douglass Ct SE Washington, DC 20020







EXTERIOR BRICK: Arriscraft Cedar Woods Architectural Linear Series



EXTERIOR CLADDING: -Accoya Lassen





CURTAIN WALL: - Kawneer 1600 UT System



POURED IN PLACE RUBBER Blue





Interior Wood Wall Finish SoundPly Acoustic
Planks
White Oak



LVT: -Ava 2TRZO TER004



Carpet: -Shaw Contract Aurora 81855











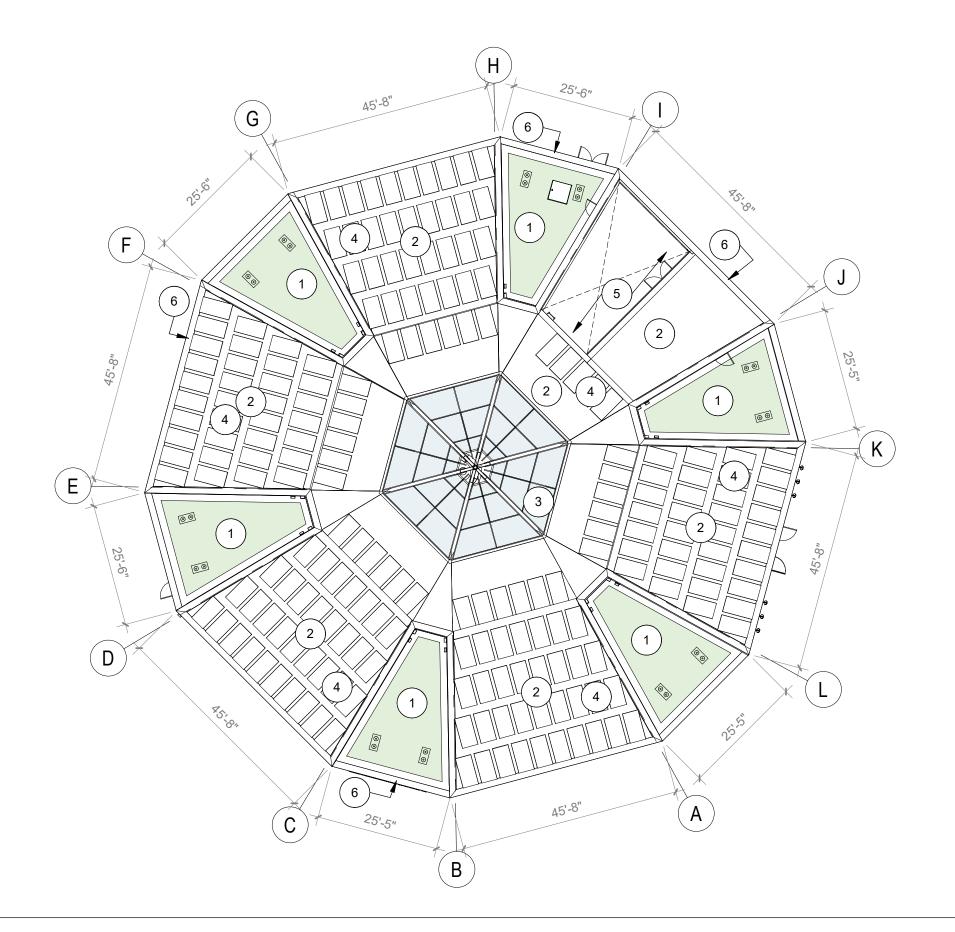




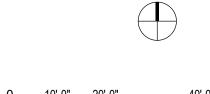
- LOW ROOF ASSEMBLY EXTENSIVE GREEN ROOF SYSTEM, CONTINOUS 6" R-30 RIGID INSULATION, HOT FLUID APPLIED RUBBERIZED ASPHALT ROOFING MEMBRANE,3" CONCRETE TOPPING SLAB, 5" CLT DECKING.
- $\frac{\text{HIGH ROOF ASSEMBLY}}{\text{TPO MEMBRANE, 6" R-30 RIGID INSULATION, 1/2" WOOD SHEATHING, 5"}}$ DLT DECKING
- STRUCTURAL SKYLIGHT
 THERMALLY BROKEN ALUMINUM SKYLIGHT SYSTEM WITH 1" LOW-E 3 COATING AND .38 U-FACTOR
- SOLAR ARRAY
- MECHANICAL EQUIPMENT ZONE AT LOW ROOF LEVEL
- **CAST STONE COPING** CUSTOM CAST STONE PROFILE. TYP. AT ALL PARAPETS

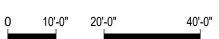






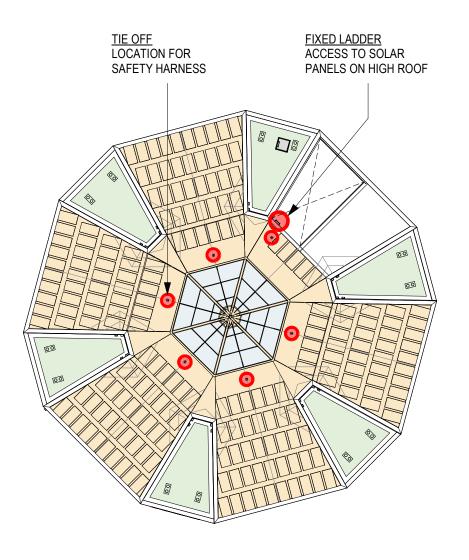
- LOW ROOF ASSEMBLY EXTENSIVE GREEN ROOF SYSTEM, CONTINOUS 6" R-30 RIGID INSULATION, HOT FLUID APPLIED RUBBERIZED ASPHALT ROOFING MEMBRANE,3" CONCRETE TOPPING SLAB, 5" CLT DECKING.
- <u>HIGH ROOF ASSEMBLY</u> TPO MEMBRANE, 6" R-30 RIGID INSULATION, 1/2" WOOD SHEATHING, 5" DLT DECKING
- STRUCTURAL SKYLIGHT 3 THERMALLY BROKEN ALUMINUM SKYLIGHT SYSTEM WITH 1" LOW-E COATING AND .38 U-FACTOR
- SOLAR ARRAY 4
- MECHANICAL EQUIPMENT ZONE AT LOW ROOF LEVEL
- **CAST STONE COPING** CUSTOM CAST STONE PROFILE. TYP. AT ALL PARAPETS



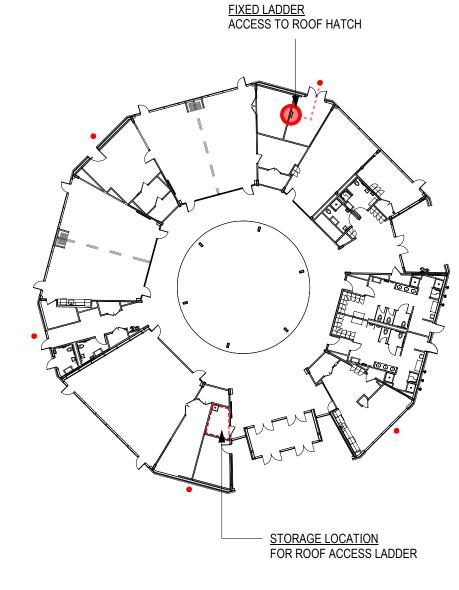


11/7/2024





TIE OFF LOCATION FOR FIXED LADDER ACCESS TO SOLAR ROOF HATCH ACCESS TO LOW SAFETY HARNESS ROOF PANELS ON HIGH ROOF



SOLAR PANELS AT HIGH ROOF

TIE OFF LOCATION FOR SAFETY HARNESS

GREEN ROOF AT LOW ROOF

TIE OFF LOCATION FOR SAFETY HARNESS

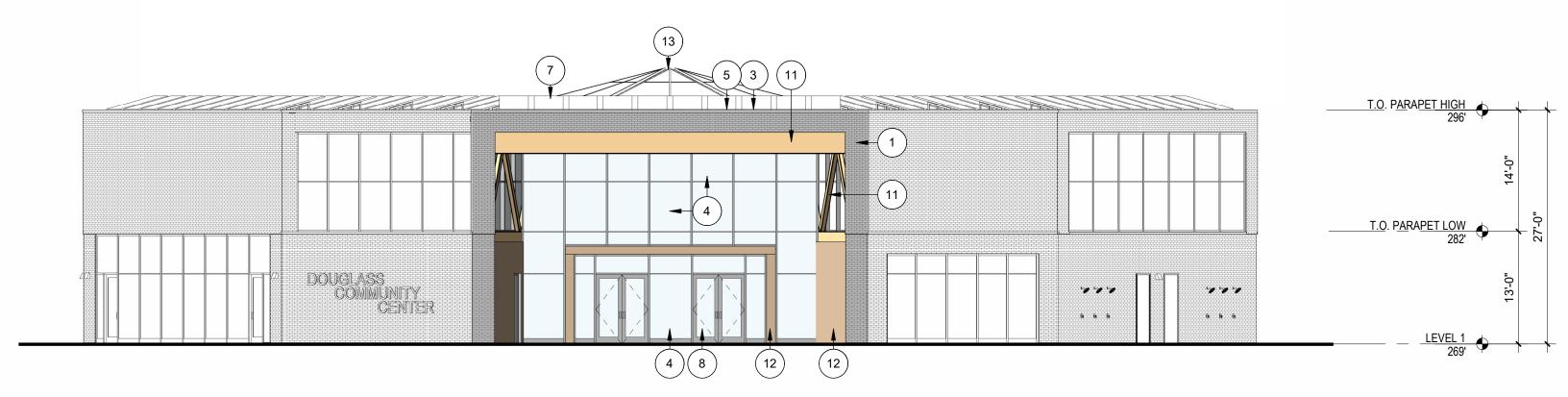
NOTE: GREEN ROOFS WILL BE ACCESSED FOR SERVICE APPROXIMATELY 7 TIMES A YEAR FOR THE FIRST TWO YEARS AND THEN BIANNUALLY.

GREEN ROOF PARAPETS ARE CAST STONE FOR DURABILITY.

SOLAR ARRAY PLAN
1/32" = 1'-0"

GREEN ROOF PLAN
1/32" = 1'-0"

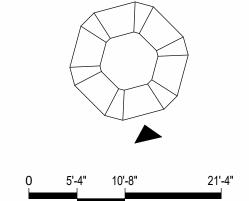
FIRST FLOOR PLAN 1/32" = 1'-0"

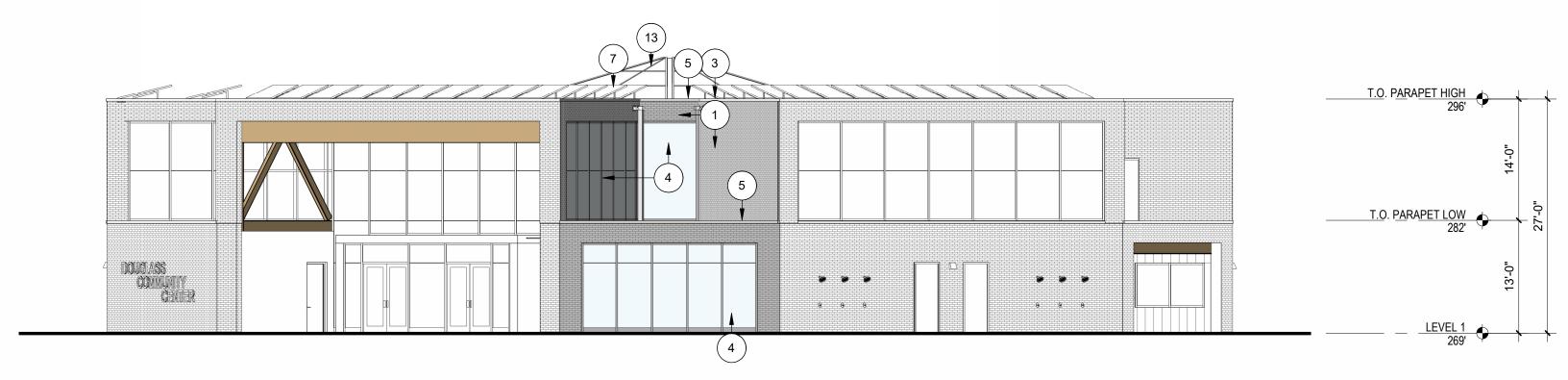


- 1 EXTERIOR WALL ASSEMBLY
 BRICK RAINSCREEN ASSEMBLY; 4" NOMINAL FACE BRICK, 2"
 CONTINUOUS RIGID INSULATION, SPRAY APPLIED AIR BARRIER, 5/8"
 EXTERIOR GYPSUM SHEATING, 6" METAL STUDS WITH R19
 INSULATION, INTERIOR GYPSUM OR WOOD PANELING PER FINISH
 SCHEDULE.
- 2 LOW ROOF ASSEMBLY
 EXTENSIVE GREEN ROOF SYSTEM, CONTINOUS 6" R-30 RIGID
 INSULATION, HOT FLUID APPLIED RUBBERIZED ASPHALT ROOFING
 MEMBRANE,3" CONCRETE TOPPING SLAB, 5" CLT DECKING.
- 3 HIGH ROOF ASSEMBLY
 TPO MEMBRANE, 6" R-30 RIGID INSULATION, 1/2" WOOD SHEATHING, 5"
 DLT DECKING
- 4 THERMALLY BROKEN ALUMINUM CURTAIN WALL SYSTEM WITH 1"
 LOW-E COATING AND .38 U-FACTOR FOR FIXED GLASS AND .45 FOR
 OPERABLE GLASS, CAP-LESS SSG AT INTERNAL HORIZONTAL
 MULLIONS, OPERABLE VENTS AS INDICATED, CUSTOM CERAMIC FRIT
 PATTERN. CURTAIN WALL AT FINISH FLOOR LEVEL TO HAVE CURB
 KICK PLATE SILL BY MANUFACTURER

- 5 CAST STONE COPING
 CUSTOM CAST STONE PROFILE
- 6 CAST STONE SILL
 CUSTOM CAST STONE SILL PROFILE
- 7 SOLAR ARRAY SEE ROOF PLAN
- 8 ALUMINUM GLASS ENTRANCE DOORS
 PAIR OF LAMINATED GLASS DOORS WITH OVERHEAD CLOSERS AND
 CENTER PIVOT SET.
- 9 ALUMINUM CLAD EXTERIOR DOORS
 ALUMINUM DOORS WITH OVERHEAD CLOSERS
- OUTDOOR SHOWER ASSEMBLY
 STAINLESS STEEL SHOWER HEAD, VALVE, AND FLOOR DRAIN
- MASS TIMBER STRUCTURE
 MASS TIMBER FRAMING PER STRUCTURAL NARRATIVE + DRAWINGS

- WOOD CLAD WALL ASSEMBLY
 EXTERIOR TREATED WOOD PANELING, WOOD FURRING STRIPS,
 SHEET APPLIED AIR BARRIER, PLYWOOD SHEATHING, BATT
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- ALUMINUM SKYLIGHT ASSEMBLY
 CUSTOM THERMALLY BROKEN ALUMINUM SKYLIGHT SYSTEM WITH 1"
 LOW-E COATING, CUSTOM CERAMIC FRIT PATTERN.





SCHEDULE.

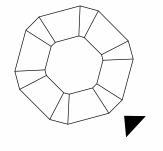
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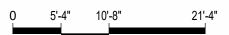
INSULATION, INTERIOR GYPSUM OR WOOD PANELING PER FINISH

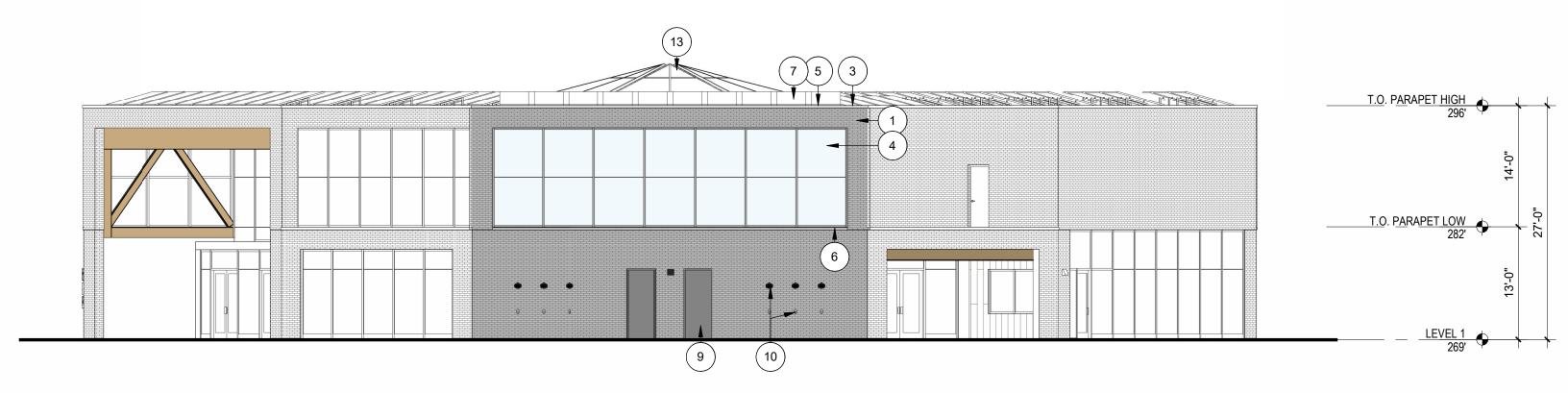
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- **CAST STONE SILL** CUSTOM CAST STONE SILL PROFILE
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- **ALUMINUM GLASS ENTRANCE DOORS** PAIR OF LAMINATED GLASS DOORS WITH OVERHEAD CLOSERS AND CENTER PIVOT SET.
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- OUTDOOR SHOWER ASSEMBLY 10 STAINLESS STEEL SHOWER HEAD, VALVE, AND FLOOR DRAIN
- MASS TIMBER FRAMING PER STRUCTURAL NARRATIVE + DRAWINGS

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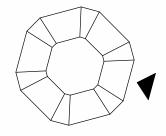


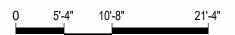


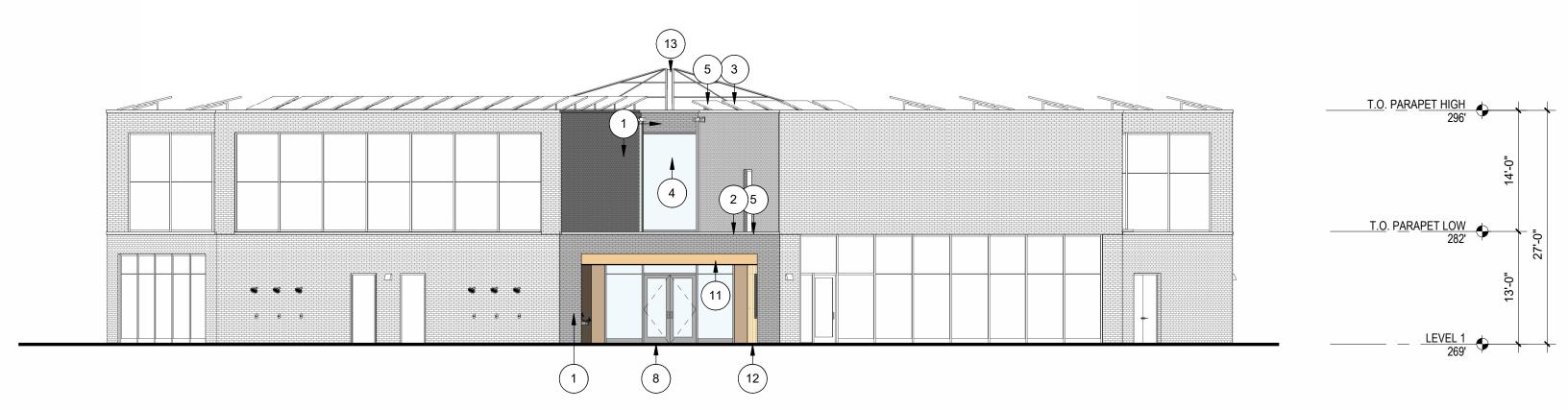
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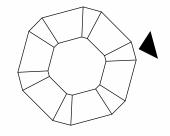
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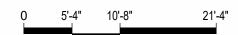
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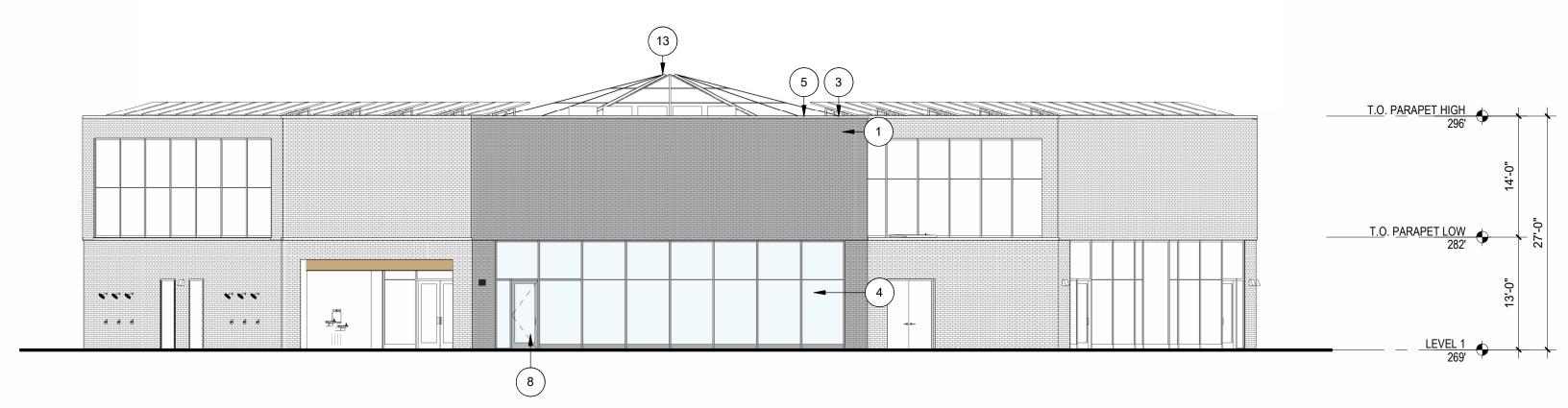
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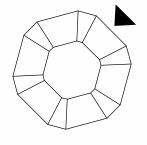


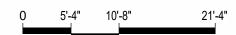
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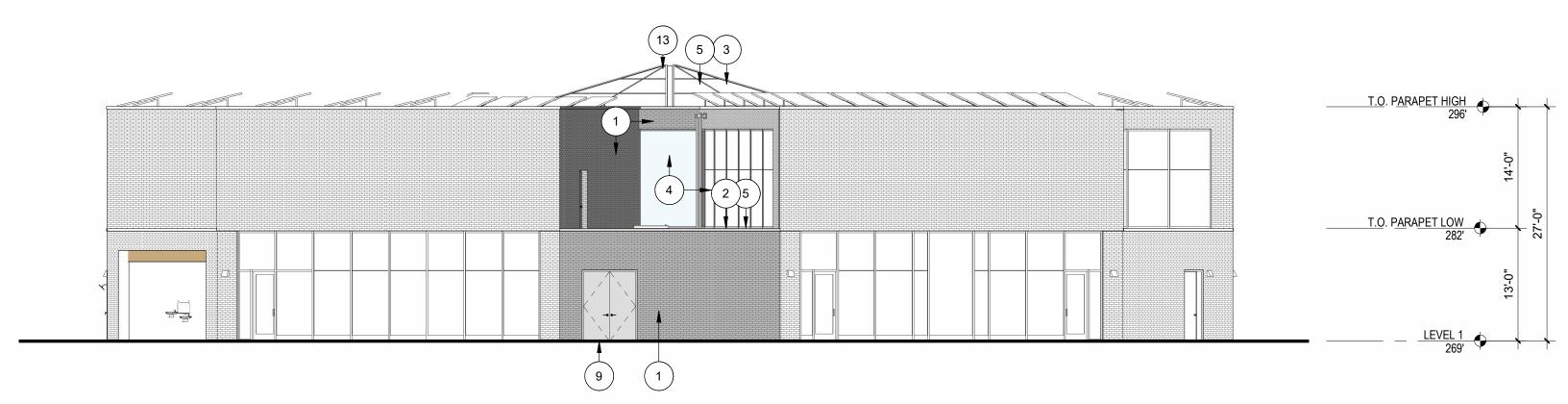
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Washington, DC 20020

DOUGLASS COMMMUNITY CENTER 1922 Frederick Douglass Ct SE

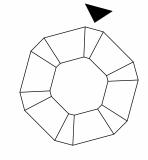


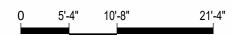
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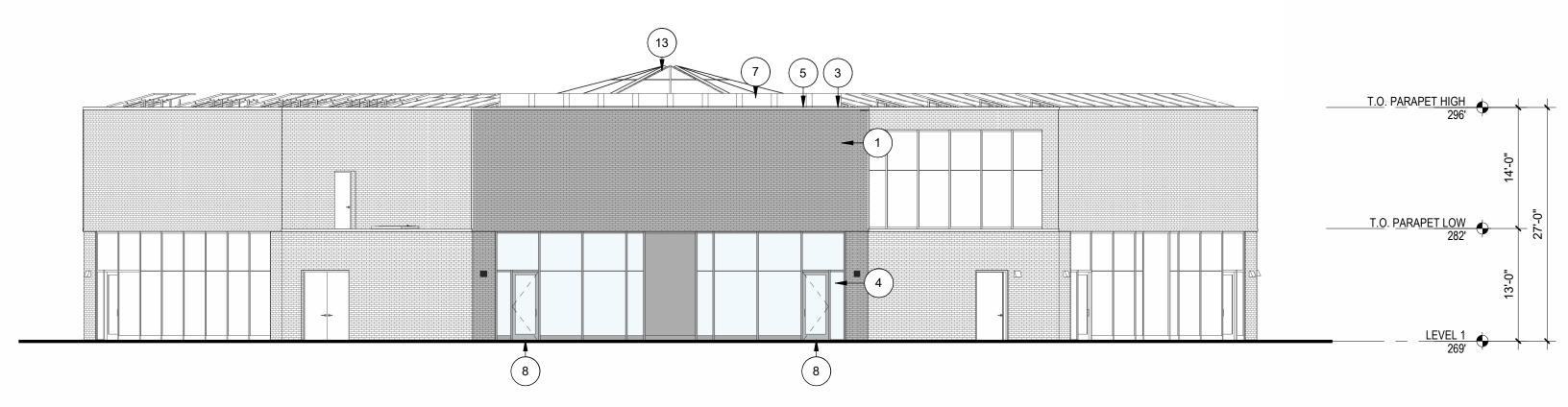
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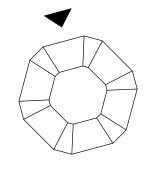




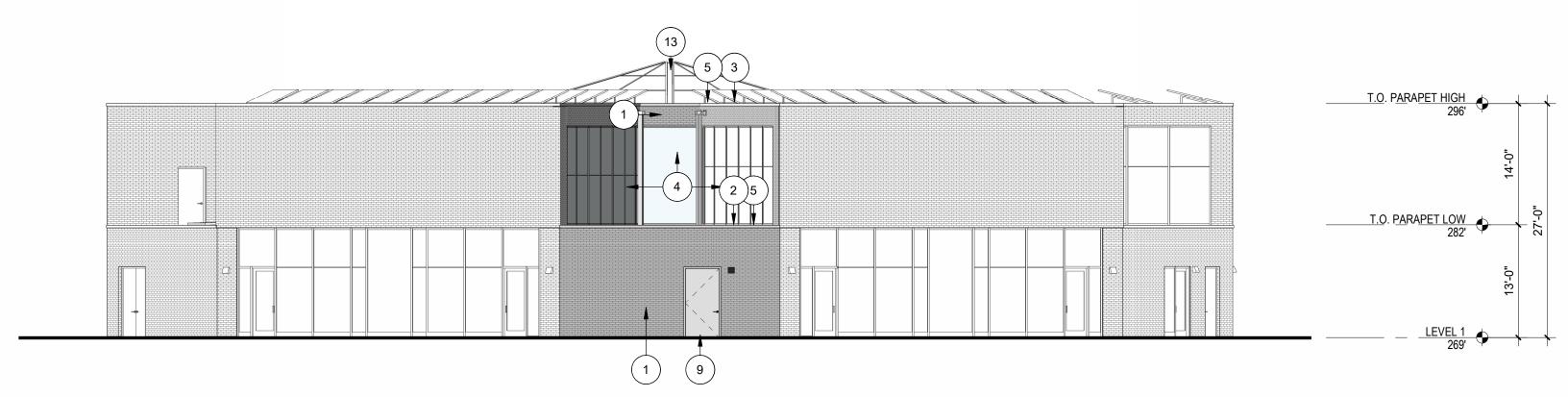
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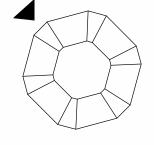


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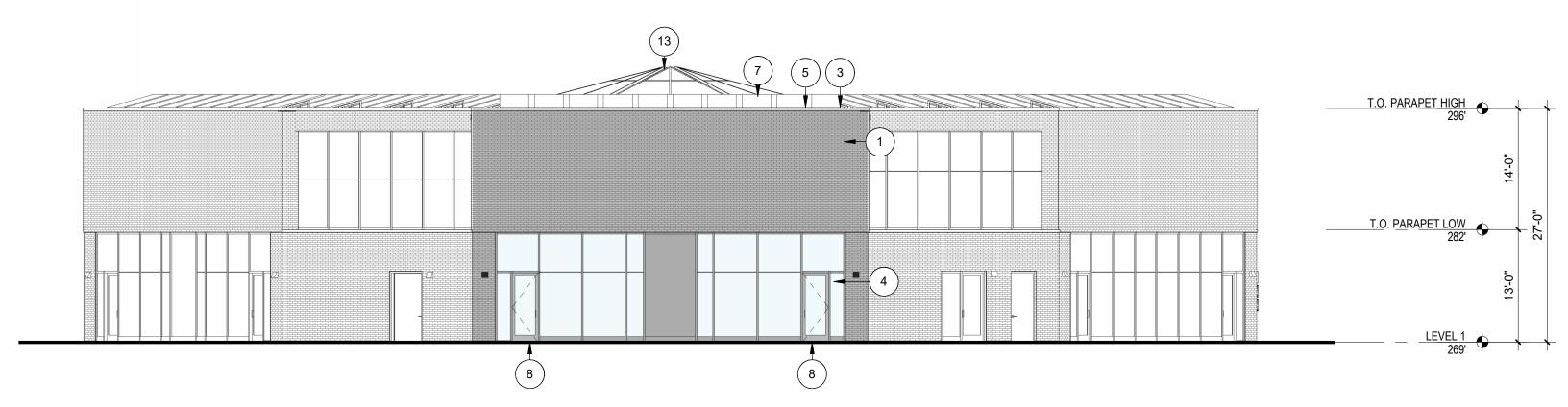
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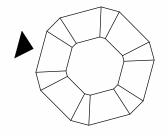


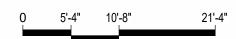
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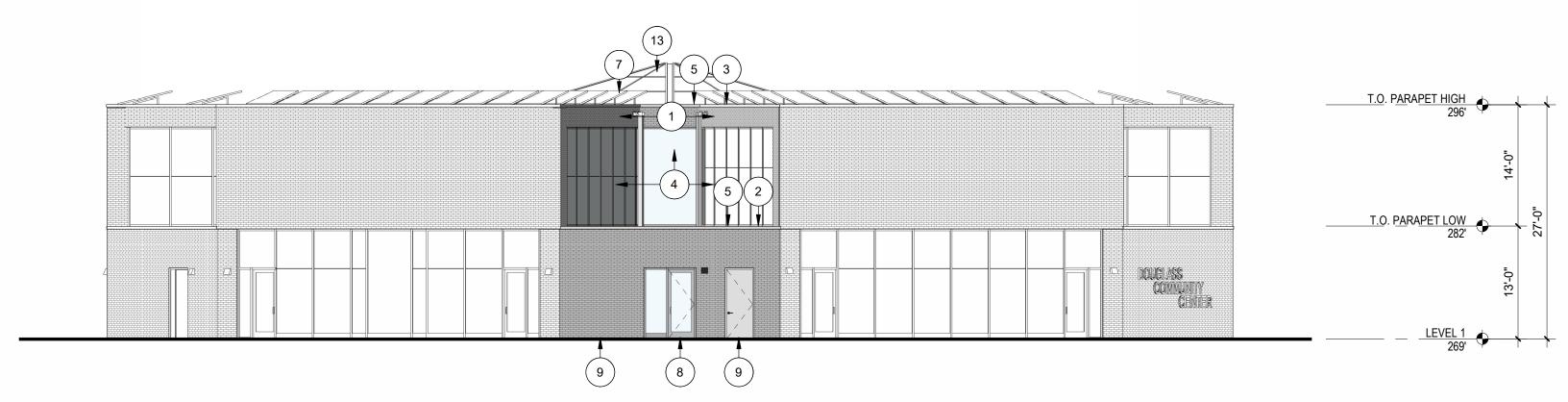
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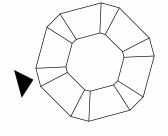


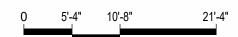
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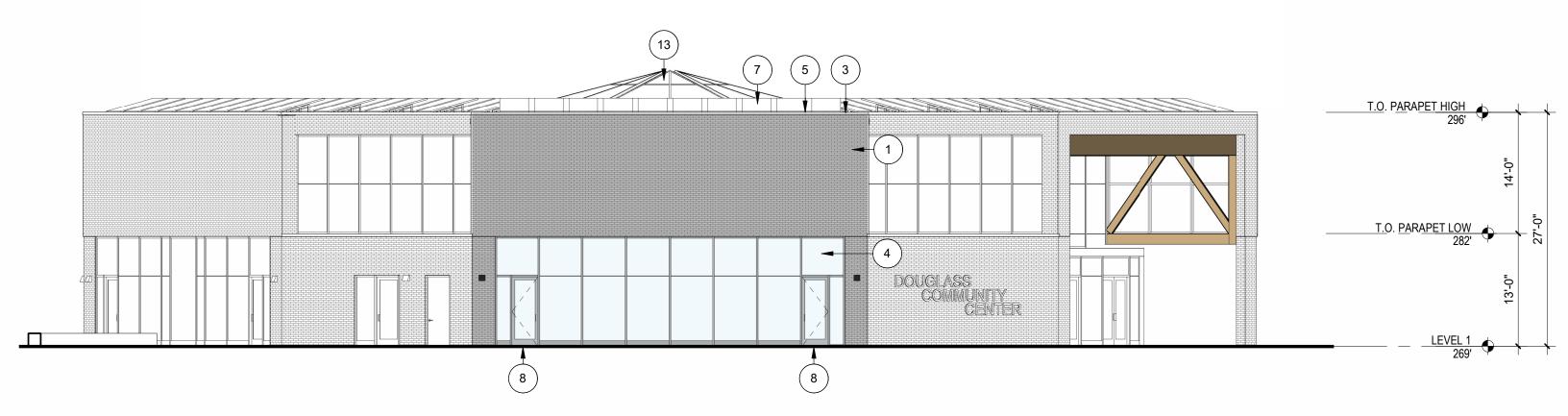
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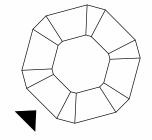


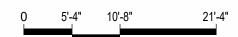


- EXTERIOR WALL ASSEMBLY BRICK RAINSCREEN ASSEMBLY; 4" NOMINAL FACE BRICK, 2" CONTINUOUS RIGID INSULATION, SPRAY APPLIED AIR BARRIER, 5/8" EXTERIOR GYPSUM SHEATING, 6" METAL STUDS WITH R19 INSULATION, INTERIOR GYPSUM OR WOOD PANELING PER FINISH SCHEDULE.
- LOW ROOF ASSEMBLY EXTENSIVE GREEN ROOF SYSTEM, CONTINOUS 6" R-30 RIGID INSULATION, HOT FLUID APPLIED RUBBERIZED ASPHALT ROOFING MEMBRANE,3" CONCRETE TOPPING SLAB, 5" CLT DECKING.
- **HIGH ROOF ASSEMBLY** TPO MEMBRANE, 6" R-30 RIGID INSULATION, 1/2" WOOD SHEATHING, 5" **DLT DECKING**
- THERMALLY BROKEN ALUMINUM CURTAIN WALL SYSTEM WITH 1" LOW-E COATING AND .38 U-FACTOR FOR FIXED GLASS AND .45 FOR OPERABLE GLASS, CAP-LESS SSG AT INTERNAL HORIZONTAL MULLIONS, OPERABLE VENTS AS INDICATED, CUSTOM CERAMIC FRIT PATTERN. CURTAIN WALL AT FINISH FLOOR LEVEL TO HAVE CURB KICK PLATE SILL BY MANUFACTURER

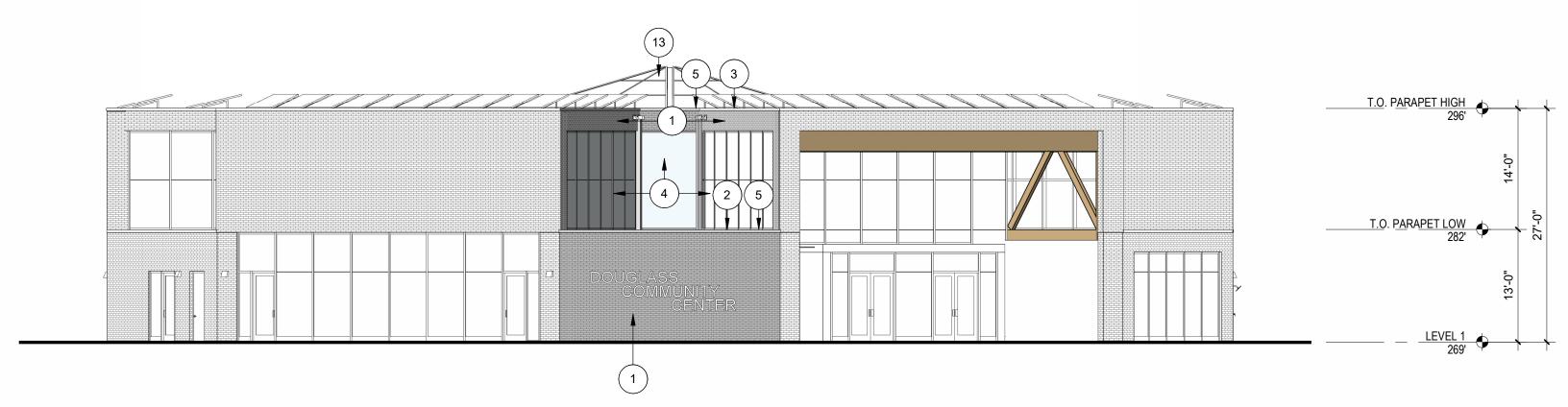
- CUSTOM CAST STONE PROFILE
- **CAST STONE SILL** CUSTOM CAST STONE SILL PROFILE
- **SOLAR ARRAY** SEE ROOF PLAN
- **ALUMINUM GLASS ENTRANCE DOORS** PAIR OF LAMINATED GLASS DOORS WITH OVERHEAD CLOSERS AND CENTER PIVOT SET.
- ALUMINUM CLAD EXTERIOR DOORS
 ALUMINUM DOORS WITH OVERHEAD CLOSERS
- OUTDOOR SHOWER ASSEMBLY 10 STAINLESS STEEL SHOWER HEAD, VALVE, AND FLOOR DRAIN
- MASS TIMBER FRAMING PER STRUCTURAL NARRATIVE + DRAWINGS

- WOOD CLAD WALL ASSEMBLY EXTERIOR TREATED WOOD PANELING, WOOD FURRING STRIPS, SHEET APPLIED AIR BARRIER, PLYWOOD SHEATHING, BATT INSULATION, WOOD STUD FRAMING, INTERIOR GYPSUM BOARD.
- **ALUMINUM SKYLIGHT ASSEMBLY** CUSTOM THERMALLY BROKEN ALUMINUM SKYLIGHT SYSTEM WITH 1" LOW-E COATING, CUSTOM CERAMIC FRIT PATTERN.





11/7/2024



KEYNOTES

SCHEDULE.

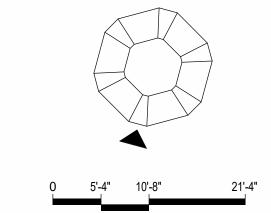
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INSULATION, INTERIOR GYPSUM OR WOOD PANELING PER FINISH

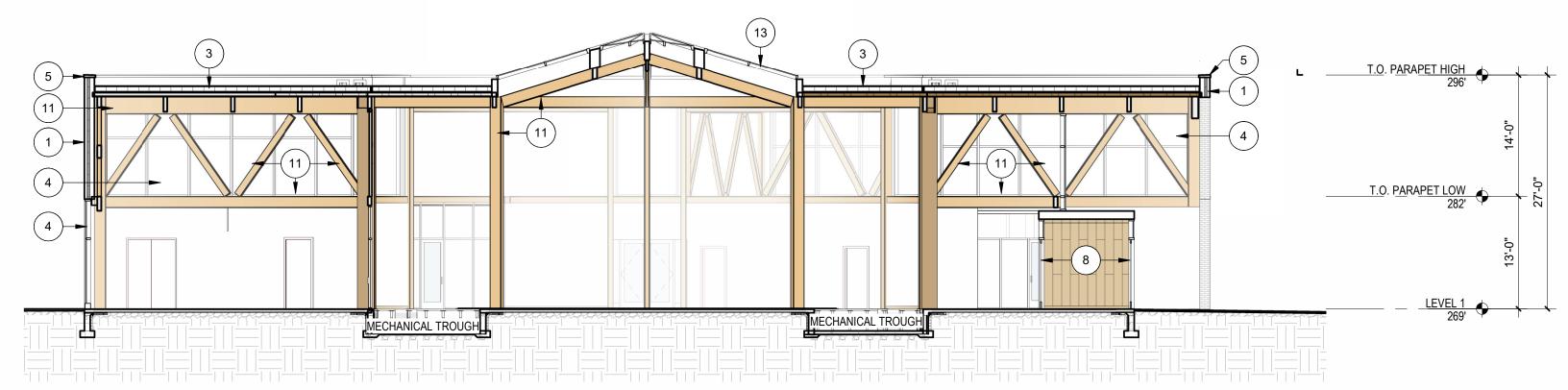
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KEYNOTES

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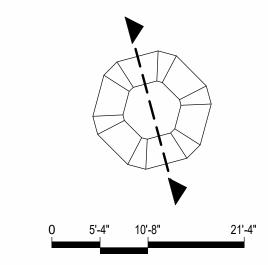
HIGH ROOF ASSEMBLY

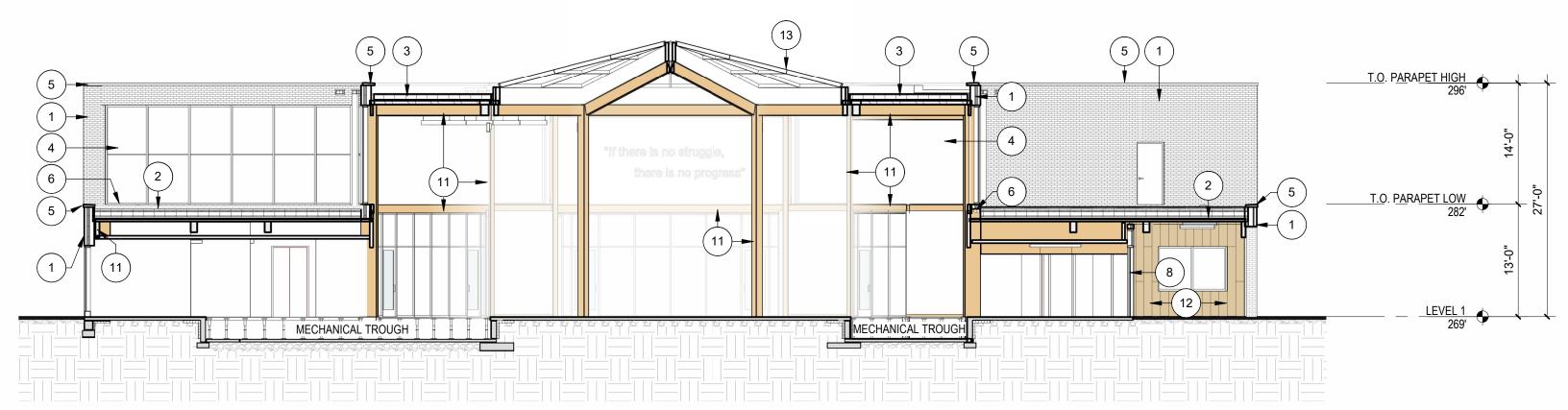
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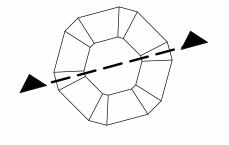
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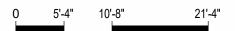
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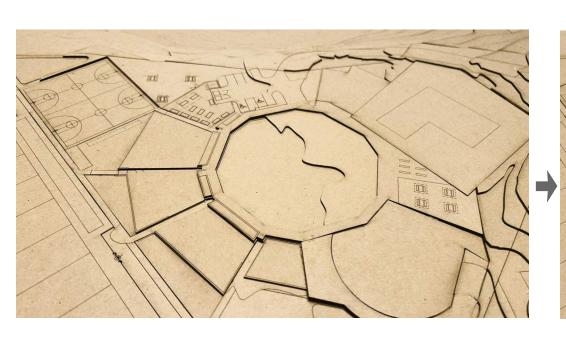
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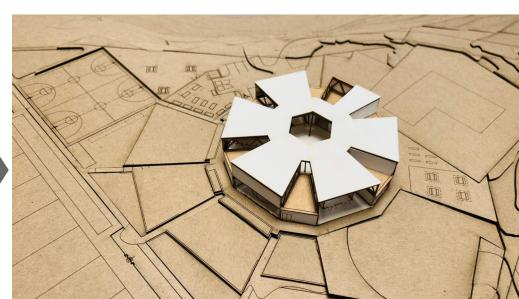


CFA Concept Review











Elevation 1, South. Entry Exterior View



Elevation 4, North. Multipurpose Room Exterior View





Elevation 2, East. Locker Room Exterior View



Elevation 5, Northwest. Multipurpose Room Exterior View





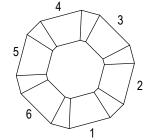
Elevation 3, Northeast. Fitness Room Exterior View





Elevation 6, Southwest. Multipurpose Room Exterior View



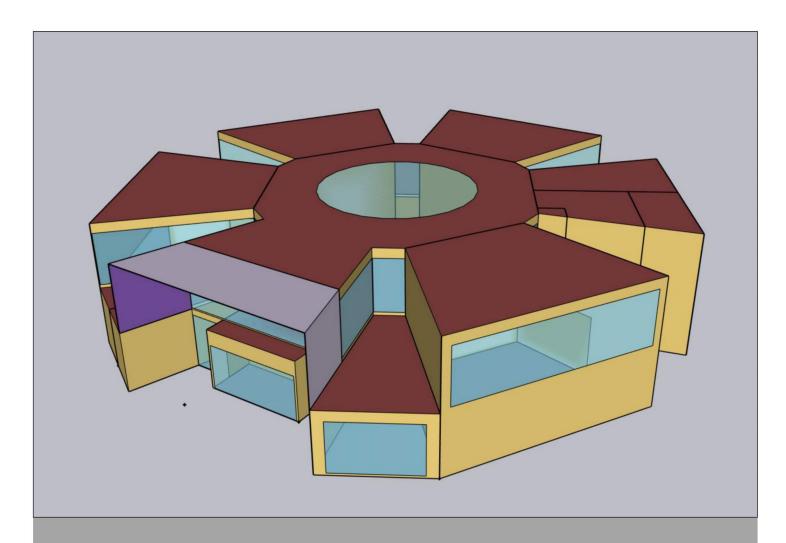


CFA Concept Review





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New Douglass Community Center Building – 1922 Fredrick Douglass Court SE

Washington DC

Report Version 3.0

September 20th, 2024

2701 Prosperity Avenue, Suite 100 Fairfax, Virginia 22031

SB) SUSTAINABLE BUILDING PARTNERS

www.sustainbldgs.com

The District is particularly interested in Douglass Community Center becoming a Net Zero Energy building, and is requiring the design-build team to attain certification through the International Living Future Institute.

The International Living Future Institute (ILFI) program grants certification to buildings that generate 100% of its energy needs on an annual basis through on-site renewable energy sources. This qualifies as a "net zero energy" building, (no combustion allowed), and is based on actual performance data rather than modeling estimations.

Challenge 1: Offsetting the energy expenditure of expanded weekend operating hours.

Design Response 1:

- Provide 100% ground-source geothermal systems for both air and water side use
- Provide occupied standby controls (full OA shutoff, tied to occ. sensors)
- Integrate distributed pumping systems (high head, low flow pumps)
- Optimize the operation of the DOAS unit with premium motors and high efficiency fans
- Create an efficient envelope with Advanced Air Sealing ≤0.15 CFM/sf

Challenge 2: Offsetting 100% of site energy consumption.

Design Response 2:

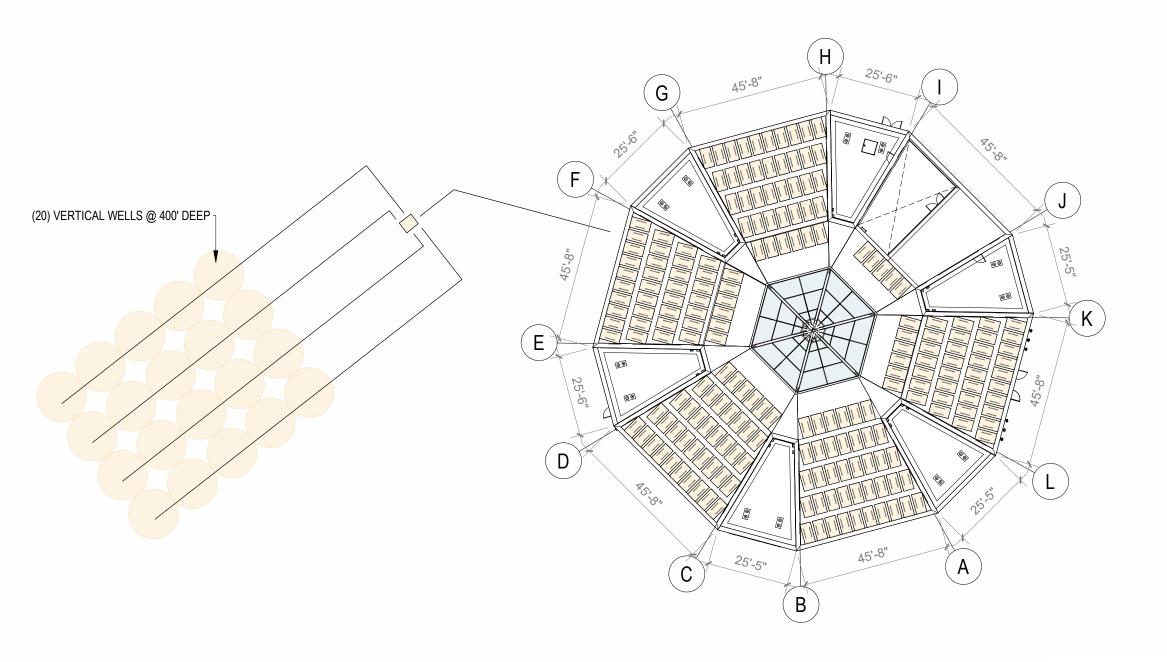
• Provide a roof-mounted solar array to offset 100% of site energy consumption

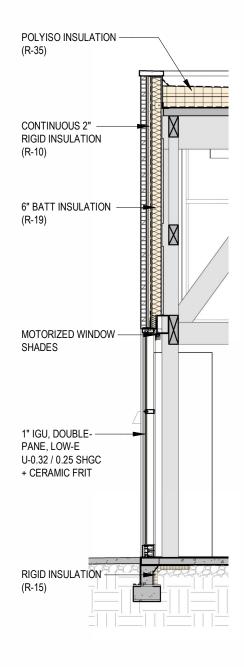
Challenge 3: Quantity of glazing is a significant component of the building's load profile.

Design Response 3:

- Utilize high performance systems:
 - Window U-0.32 / 0.25 SHGC
 - Skylights U-0.40 / 0.30 SHGC
- Develop the design with an understanding that there is a 1.5 2.5% reduction in energy consumption for every U-0.05 improvement in glazing system performance.

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Design Response 1:

 Provide 100% ground-source geothermal systems for both air and water side use

Design Response 2:

 Provide a roof-mounted solar array to offset 100% of site energy consumption

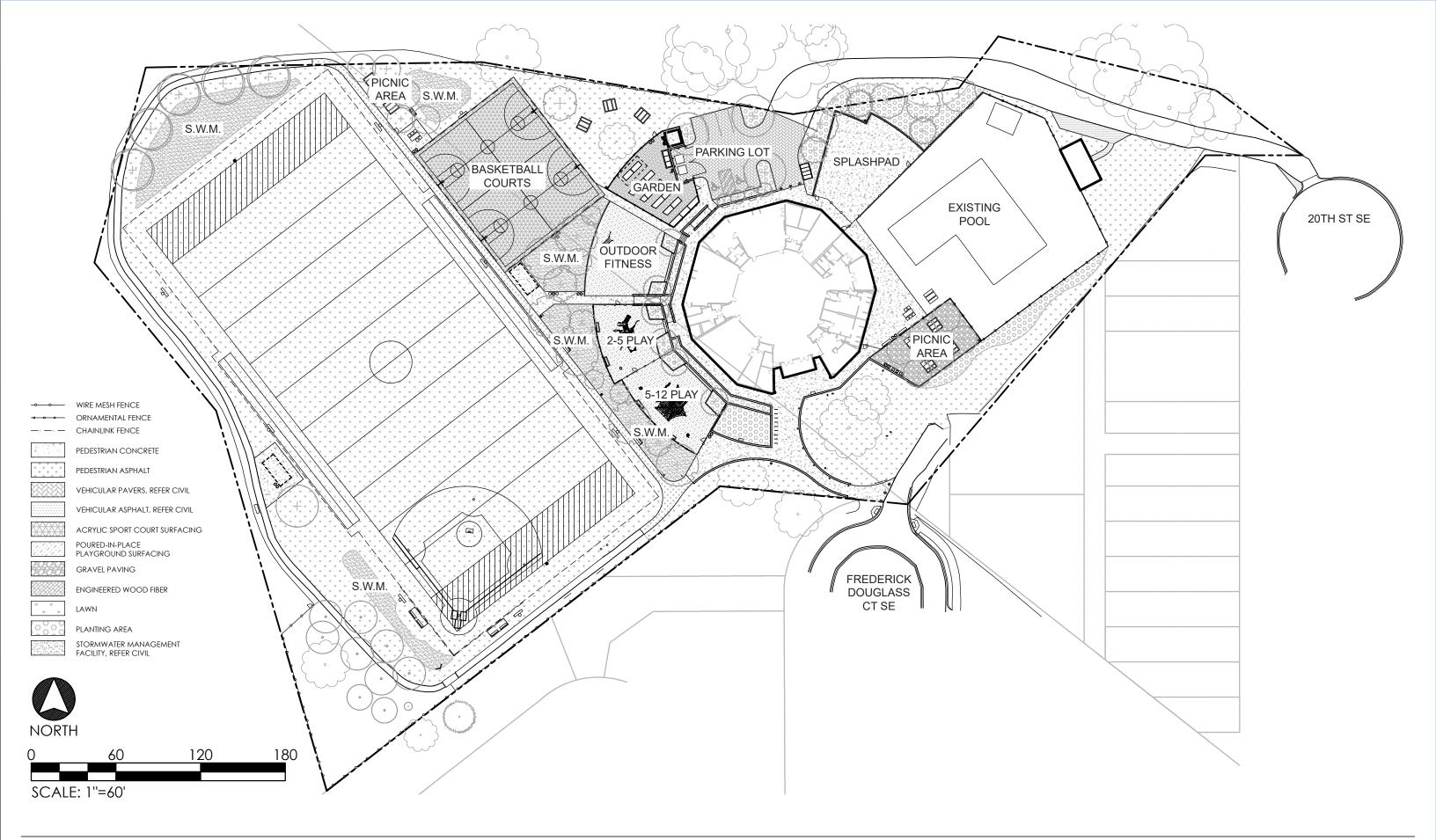
Design Response 3:

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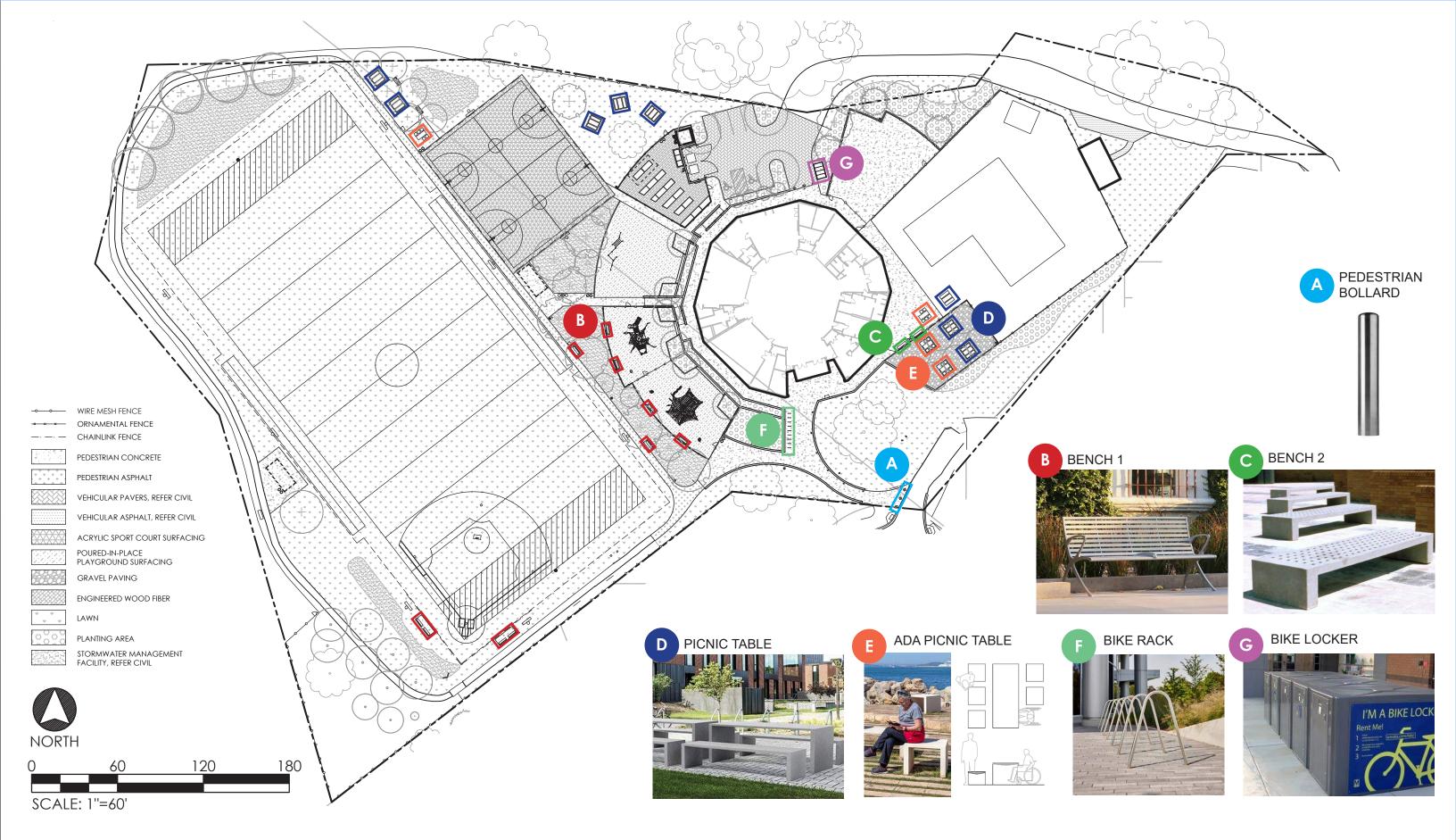






DOUGLASS COMMMUNITY CENTER 1922 Frederick Douglass Ct SE Washington, DC 20020





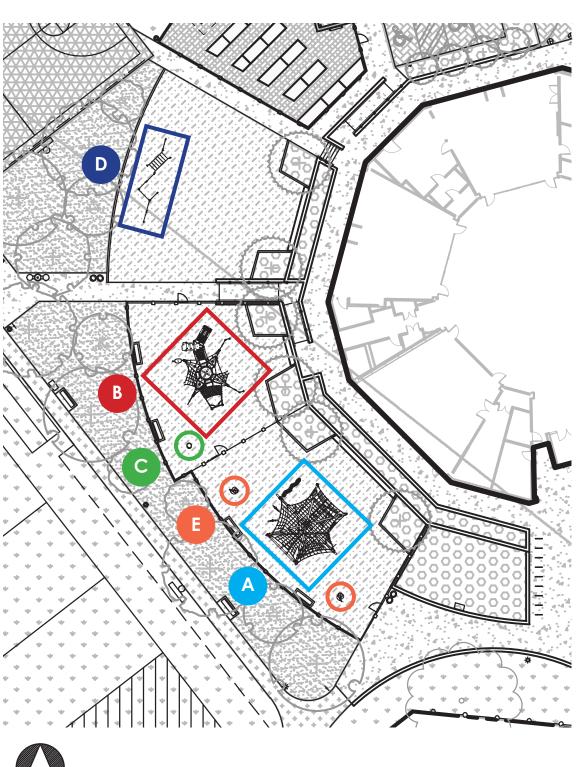


DOUGLASS COMMMUNITY CENTER 1922 Frederick Douglass Ct SE Washington, DC 20020

Scale: 1" = 60'-0"



















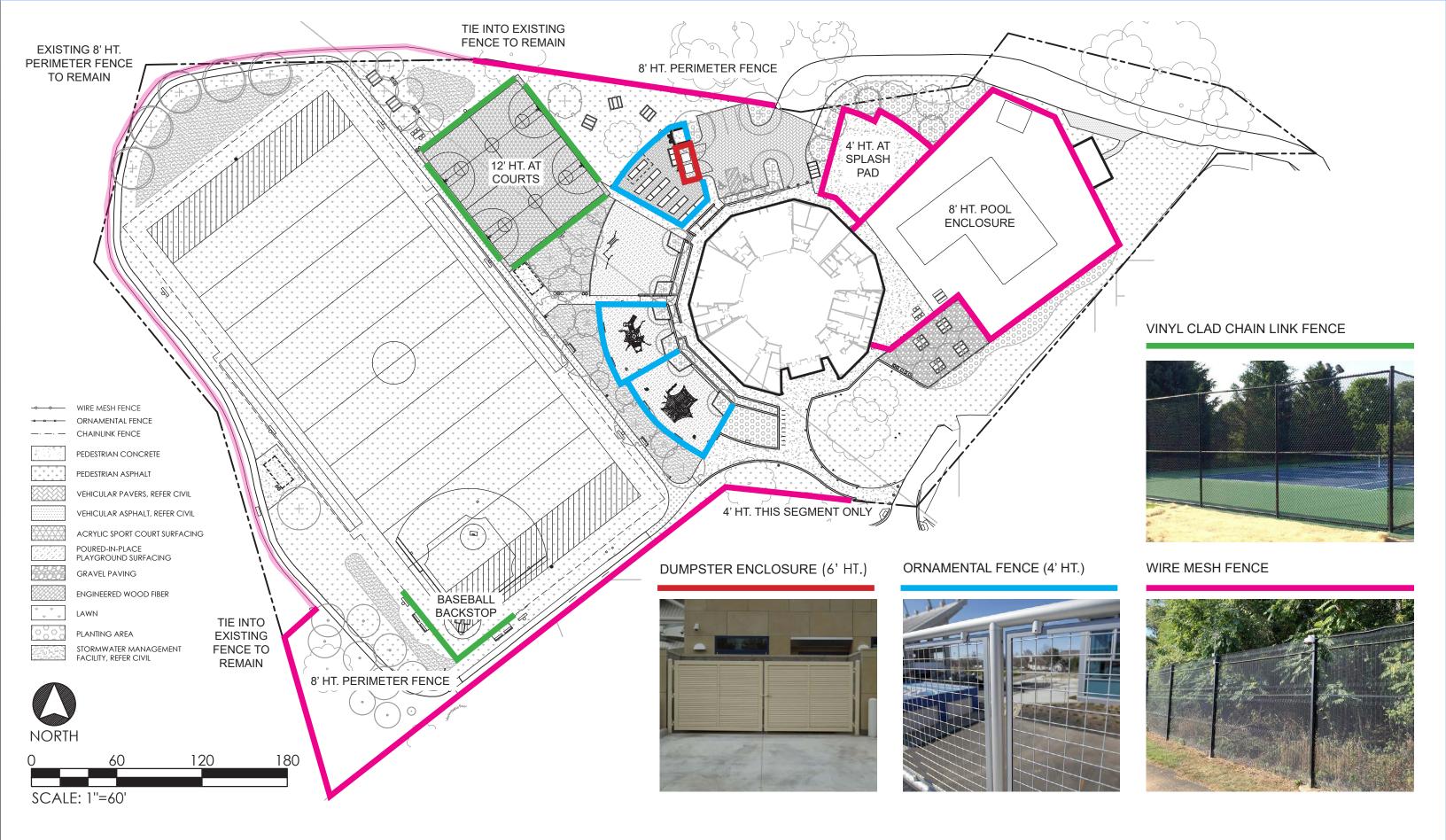




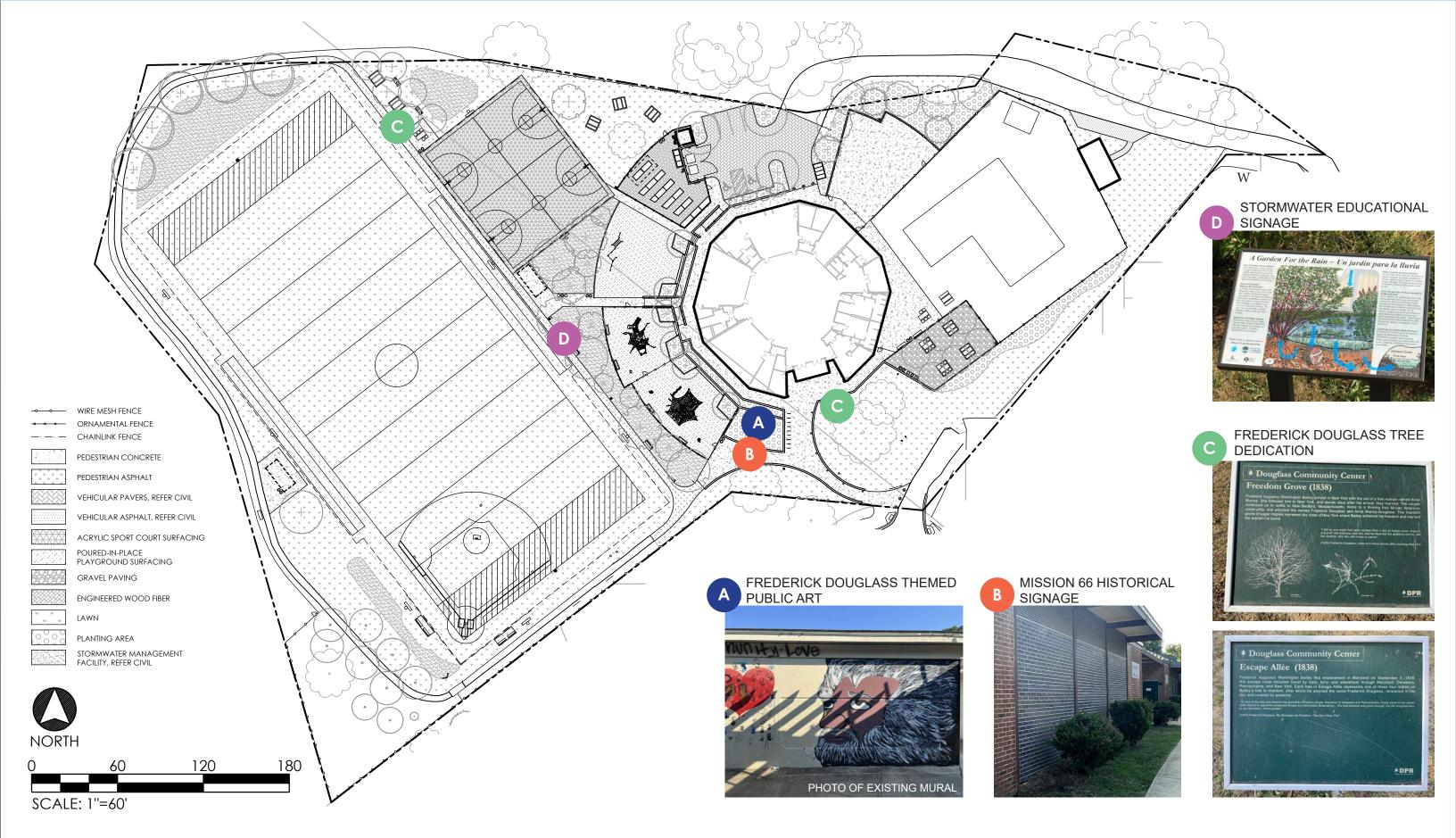








Fence Plan











Zelkova serrata

Tree 7 - Zelkova (19" DBH)







KEY PLAN NOT TO SCALE

Acer rubrum

Tree 42 - Sugar Maple (22" DBH)



Quercus coccinea

Tree 14 - Scarlet Oak (2.7" DBH)

Quercus coccinea

Tree 15 - American Elm (8.2" DBH)

Quercus coccinea

Tree 16 - American Elm (6.1" DBH)

Quercus coccinea

Tree 17 - American Elm (8.4" DBH)

Quercus coccinea

Tree 18 - American Elm (7.3" DBH)

Pinus strobus

Tree 19 - White Pine



Tree 20 - American Elm (8.4" DBH)

Quercus coccinea

Tree 21 - American Elm (8.4" DBH)

Quercus coccinea

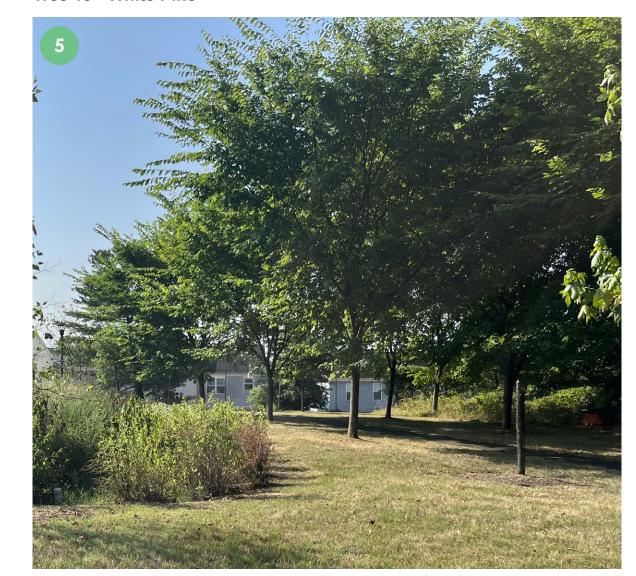
Tree 22 - American Elm (8.4" DBH)

Quercus coccinea

Tree 23 - American Elm (8.4" DBH)

Quercus coccinea

Tree 24 - American Elm (9.0" DBH)







11/7/2024 L09 CFA Acer rubrum 'October Glory'



Quercus Rubra Red Oak



Celtis occidentalis

Common Hackberry



Taxodium distichum imbricarium 'Prairie Sentinel'



Gleditsia triacanthos inermis 'Shademaster'



Tilia cordata 'Greenspire'

Greenspire Little Leaf Linder



Liriodendron tulipifera 'Arnold'



Juniperus virginiana



Quercus bicolor 'American Dream'
American Dream Swamp
White Oak



Betula nigra 'BNMTF' TM





L10 CFA





Aronia arbutifolia 'Brilliantissima'

Brilliant Red Chokeberry



'Autumn Magic'

Aronia melanocarpa



Cornus sericea 'Arctic Fire' **Arctic Fire Dogwood**



Cornus sericea 'Baileyi' **Red Twig Dogwood**



Fothergilla gardenii 'Mt. Airy' Mt. Airy Dwarf Witch-alder



Ilex glabra 'Compacta' **Compact Inkberry**



Ilex verticillata 'Red Sprite' **Red Sprite Winterberry**



Ilex verticillata 'Sparkleberry' **Sparkleberry Winterberry**



Juniperus virginiana 'Grey Owl' **Grey Owl Juniper**



Prunus laurocerasus 'Otto Luyken'



Amsonia hubrichtii

Arkansas Blue-Star



Pennisetum alopecuroides 'Cassian's Choice' **Cassian Fountain Grass**



Carex stricta **Tussock Sedge**



Perovskia atriplicifolia **Russian Sage**



Muhlenbergia capillaris **Pink Muhly Grass**



Schizachyrium scoparium 'The Blues'



Panicum virgatum 'Prairie Fire'

Red Switch Grass



Sporobolus heterolepis

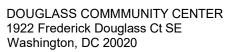


Panicum virgatum 'Shenandoah' **Shenandoah Switch Grass**



Symphyotrichum Novae-Angliae 'Purple Dome'





NORTH NOT TO SCALE

GREEN ROOF WITH NATIVE PLANTING



Leucanthemum x superbum **Shasta Daisy**



Rudbeckia hirta

Black-eyed Susan

Liatris spicata **Blazing Star**



Panicum virgatum 'Shenandoah' **Switch Grass**

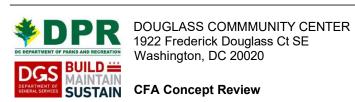


Liatris spicata 'Floristan White' **Floristan White Blazing Star**



Schizachyrium scoparium Little Bluestem







Vegetated Roof

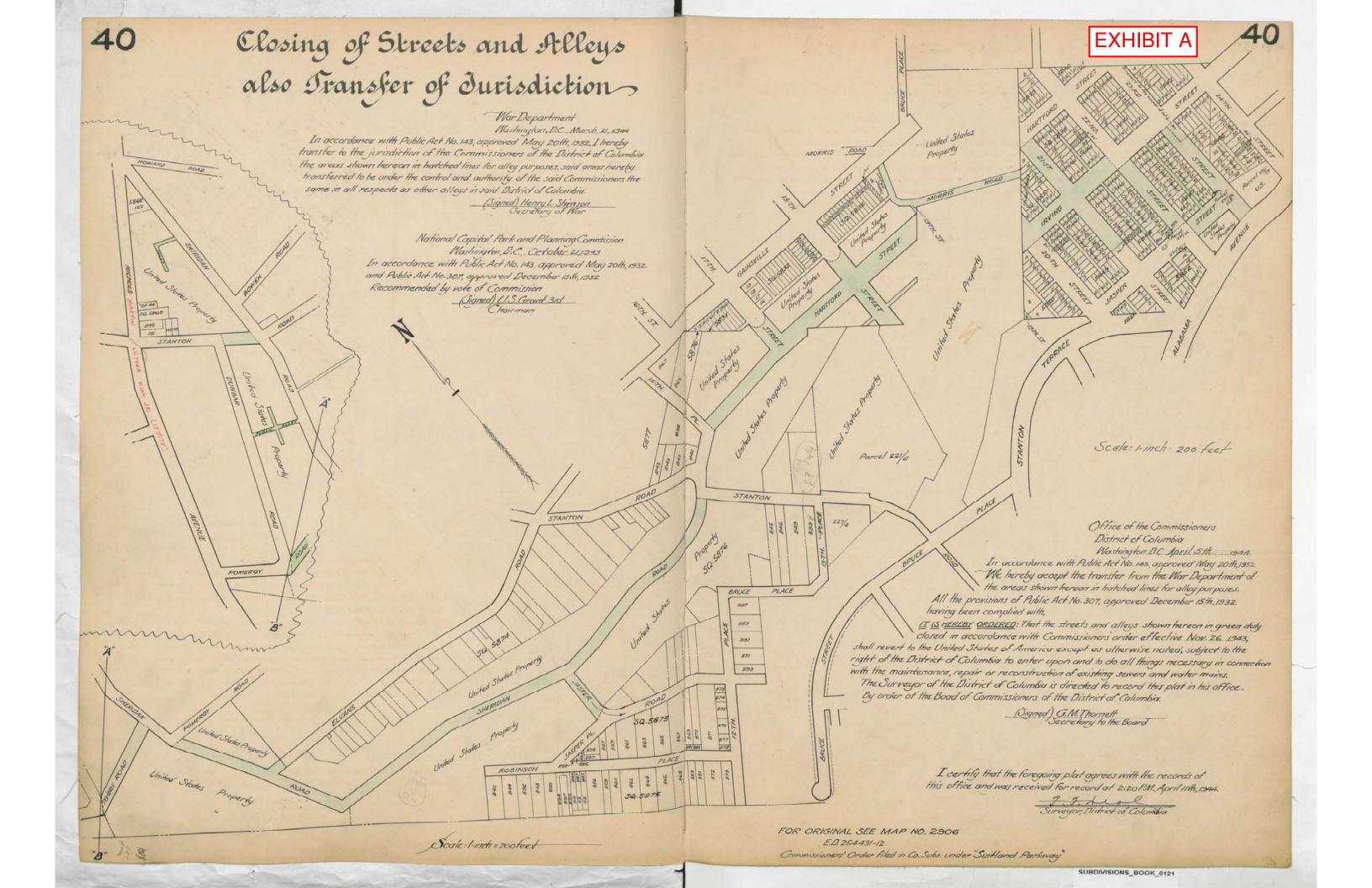
TABLE OF CONTENTS

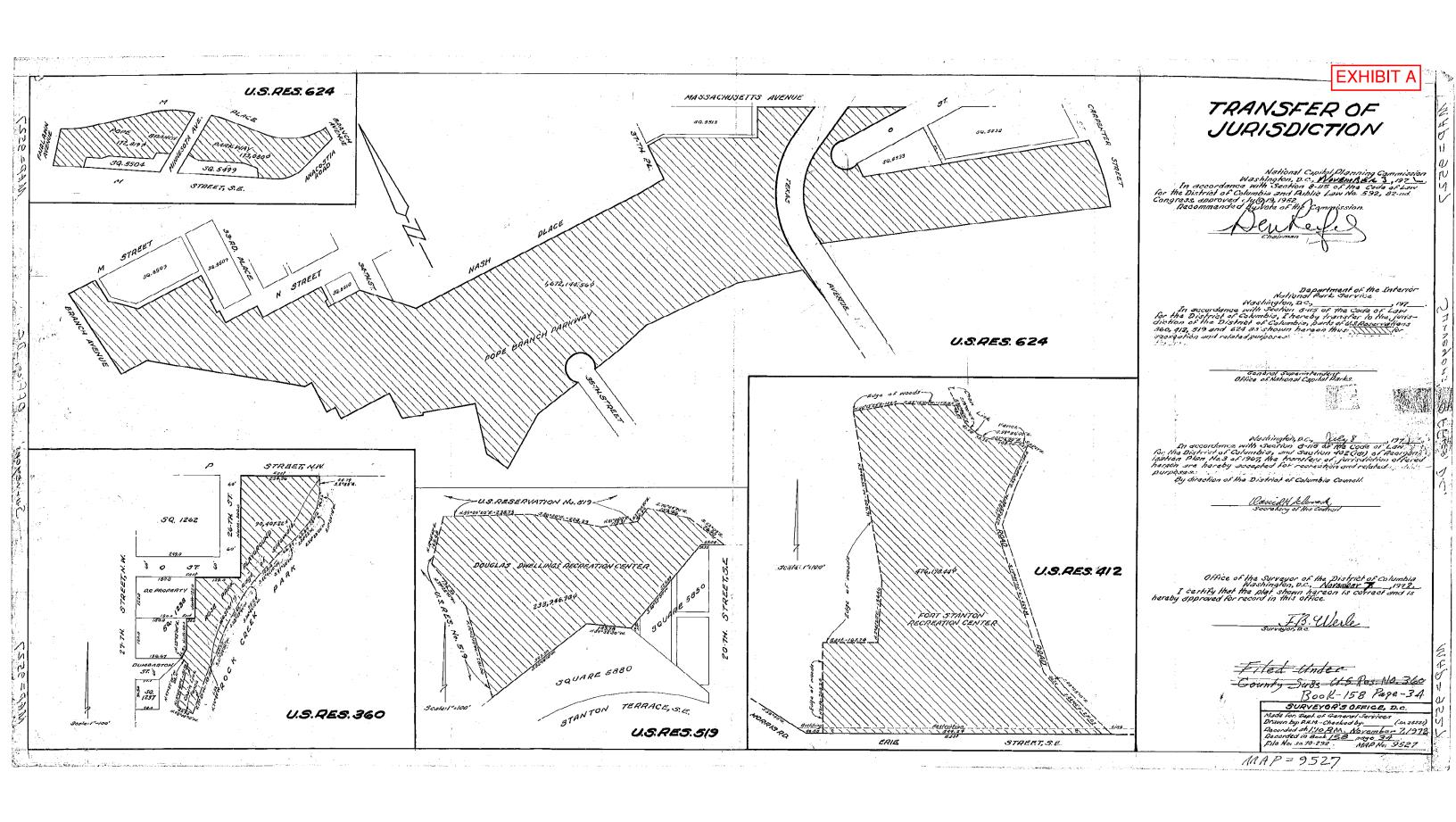
APPENDIX A - Transfer of Jurisdiction

Book 121 Page 40 Book 158 Page 34 Book 158 Page 38

APPENDIX B - DDOT Urban Forestry Meeting Notes

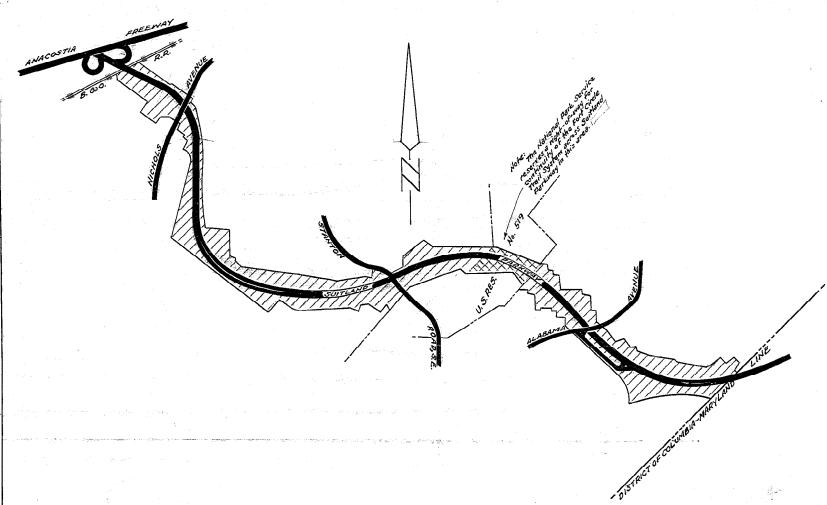
Landscape Site Plan





TRANSFER OF JURISDICTION





U.S. QES. 675 Aprel Transferred = 4,948,9064

In accordance with Section 6-115 of the D.C. Code
Law No. 592, 82-nd Congress, approved July 19, 1952.

Recommended by vote of the Commission.

Washington, a.c., July 8, 1971.

In accordance with Saction 8-MS of the D.C. code of Lond and Section 102

(181) of Reorganization Plan No. 3 of 1967 the transfer of jurisdiction offered hereon is hereby accepted for parkway, purposes.

By direction of the District of Columbia Council.

Department of the Interior

National Park Service

Washington, D.C., May 19, 1971.

In accordance with Section 8-115 of the D.C. Code of Law, I hereby

transfer to the District of Columbia; Jurisdiction over the area shown thereon

thus: [T] [J] for jarkway purposes; however the National Park Service and the

District of Columbia shall mutually agree to any improvements, such as structures

or paving, proposed by the National Park Service within the area shown hereon

thus: XXXX which is reserved by the National Park Service as a right-of-way for

Continuity of the Port Circle Trail System.

Office of the Surveyor of the District of Columbia Washington, Dc., December 14, 1972.

I cartify that the foregoing plat is correct and is hereby approved for record in this office.

SURVEYOR'S OFFICE, D.C.

Made for: Dept. of Highways & Traffic, D.C.

Drawn by P.H.M.— Checked by J.M.— (50,25225)

Recorded of: 10:30 A.M. December 14,1972

Recorded in Book 158 page 38

File No. 50,70-293. MAP.No. 3531

MAR SESTES

OFFice, D.C. Surceyons MAP= 9531

