

ШІСБОП БСНООС

1601 Wilson Boulevard, Arlington, VA

Planning Commission Hearing February 13, 2017



SCHEMATIC DESIGN OVERVIEW

AERIAL MODEL PHOTO

Total Area:180,621 GSFTotal Height:77'-0"

R

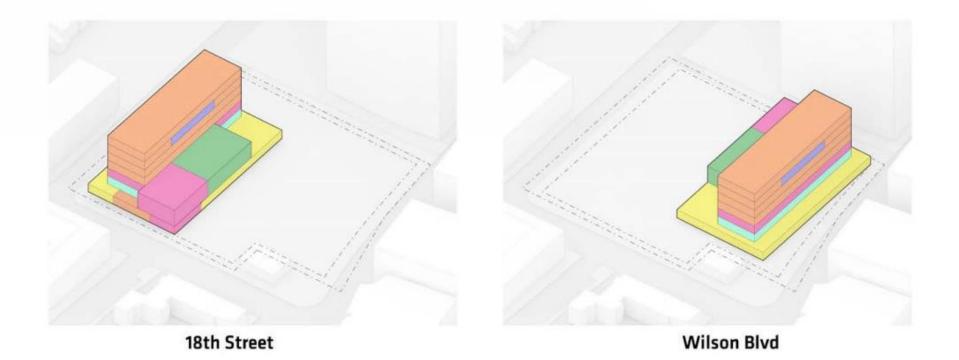
11

WILSON SCHOOL ... SCHOOL BOARD INFORMATIONAL BRIEFING . JULY 1, 2015

111

BUILDING LOCATION

Total Area:180,621 GSFTotal Height:77'-0"



BUILDING LOCATION

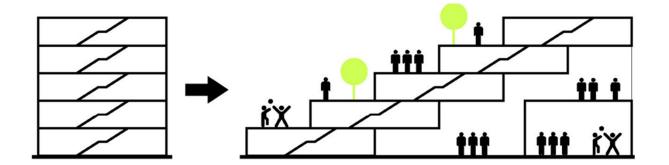
Total Area: 180,621 GSF Total Height: 77'-0"



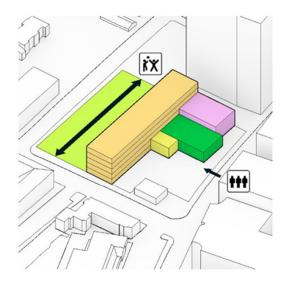
Wilson Blvd

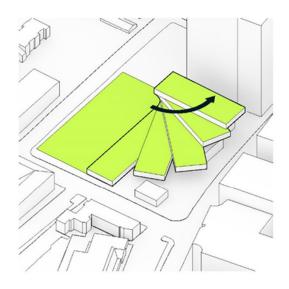
2 PROGRAMS € 1 COMMUNITY

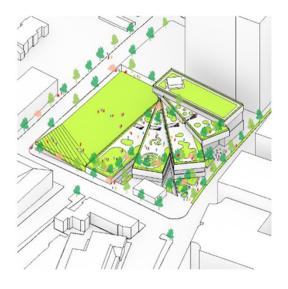
The major goal for the new facility is to increase collaboration between the Stratford and H-B Woodlawn programs and make the school more inclusive for all students.



The small site requires that the project be designed across multiple levels. The key objective during the design process has been to maintain the feeling of a 1-story school while still benefiting from the efficiencies afforded by a multiple story building.







1. BASIC SITING & ORGANIZATION

As a starting point the most basic site organization is laid out. A vertical stack of classroom bars stretches across the center of the site, creating a protective barrier between the athletic field and the busy urban corridor of Wilson Blvd. The large and community accessible spaces are grouped together along the Wilson Blvd frontage.

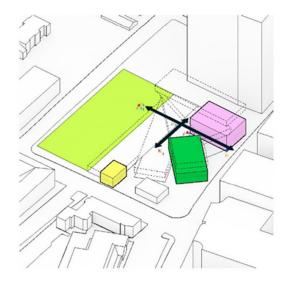
2. FANNING OF CLASSROOM BARS

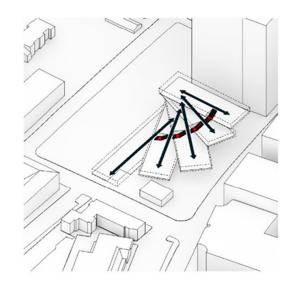
To create more day lit surface area and accessible outdoor space the classroom bars are rotated or "fanned" around a pivot point. The resulting massing helps transition from the low-rise buildings to the west of the site to the high-rise buildings to the east.

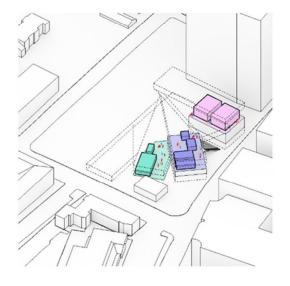
3. ACTIVATION OF TERRACES

The resulting terraces are programmed and planted in order to take the fullest advantage of the newfound contained outdoor space on the school. The terraces are planted in order to provide shade to themselves as well as the classrooms adjacent to them. The overall affect is that each classroom bar feels like a 1-story school.

INTERIOR ORGANIZATION CONCEPT NARRATIVE







1. ARRANGE LARGE PROGRAMS

Large and public functions of the building are placed rearranged to take advantage of the multiple story spaces created by the fanning of the classroom bars. The community can access these major spaces through the multi level lobby.

2. INTERNAL CONNECTIONS

A central stair connects all of the classroom bars on the inside. From each classroom bar the major spaces of the building can be accessed.

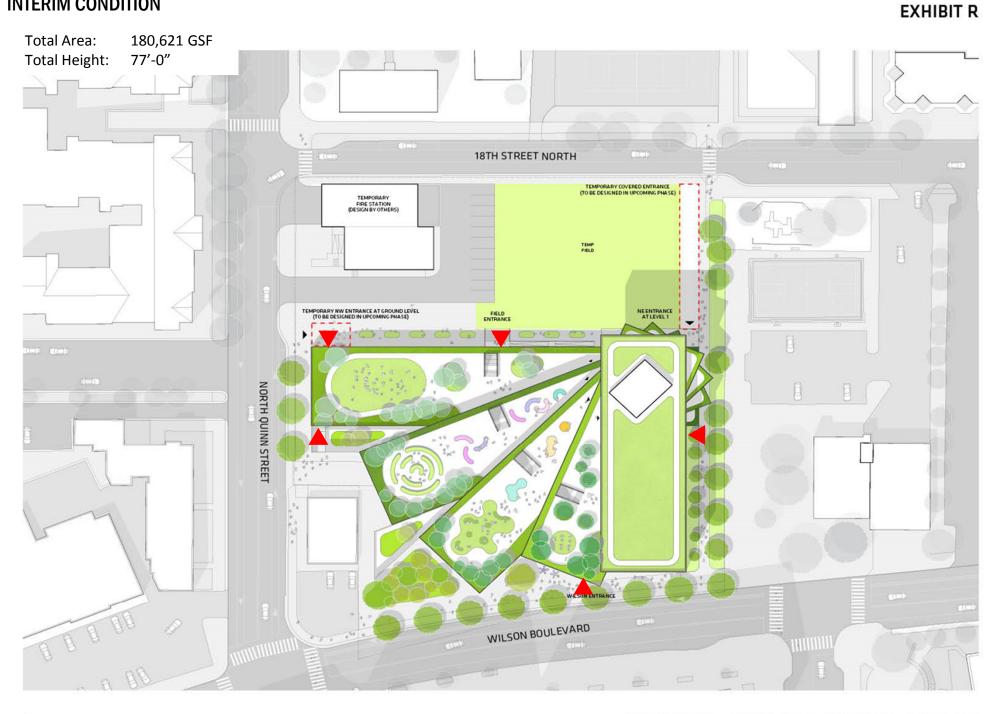
Directly above the interior central stair is an exterior stair connecting all the 4 accessible terraces and the field.

3. IN BETWEEN SPACES

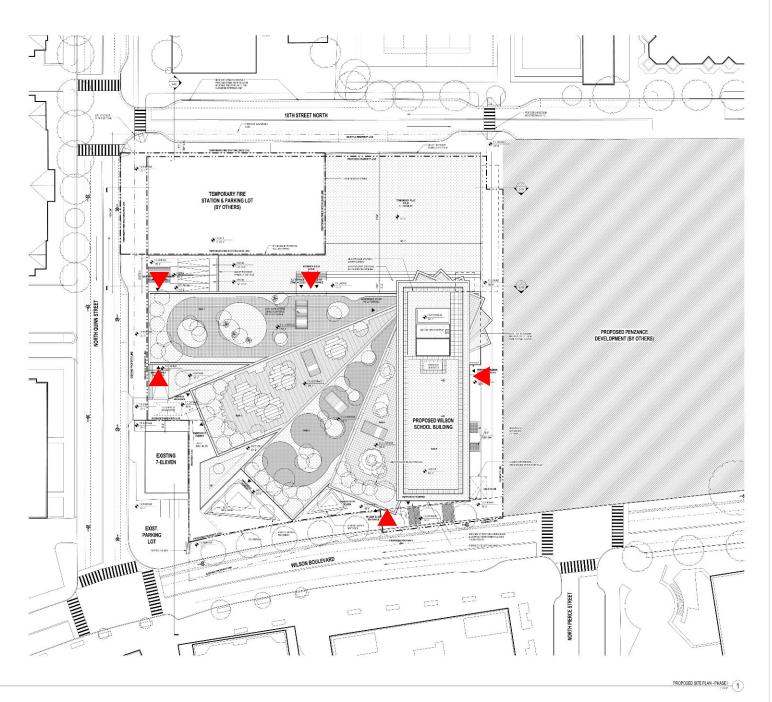
The medium sized communal spaces such as the cafeteria, library, and music rehearsal rooms are located between the boxes of the large programs and the classroom bars.

The library sits on top of the gym, and the music rehearsal spaces sit on top of the theater. Each has a unique identity and is located to maximize functional adjacencies.

INTERIM CONDITION



INTERIM CONDITION



Total Area:180,621 GSFTotal Height:77'-0"



Market Product Product

A ARECTORNELS CO LED A SALA CREASE STREAM CONTACTOR NOTIFIC TO THE SALAR DISCONTENT OF SALAR LEDADALY BIG SARA HER DOF GHD The short meter carries the sub-states GENERAL SPECIFICATION SPECIFICATION Gordon SLANK SEATS COMP. PROVIDE THE Silman -----THEATRE PROJECTS Consultants NUMBER OF STREET ANN HALEN THA VOID DO GUT MINOR COMP JaffeHolden TILLOTSON REPAINS FORE SERVICE MEMORY AND ADDRESS SERVICE MEMORY AND ADDRESS SERVICE TO ADDRESS SERVICE INCYLINIOLINI. TRANSDIGTY, ODM SANTYARE TRANSDICT HALE AICH

TELETINICKET

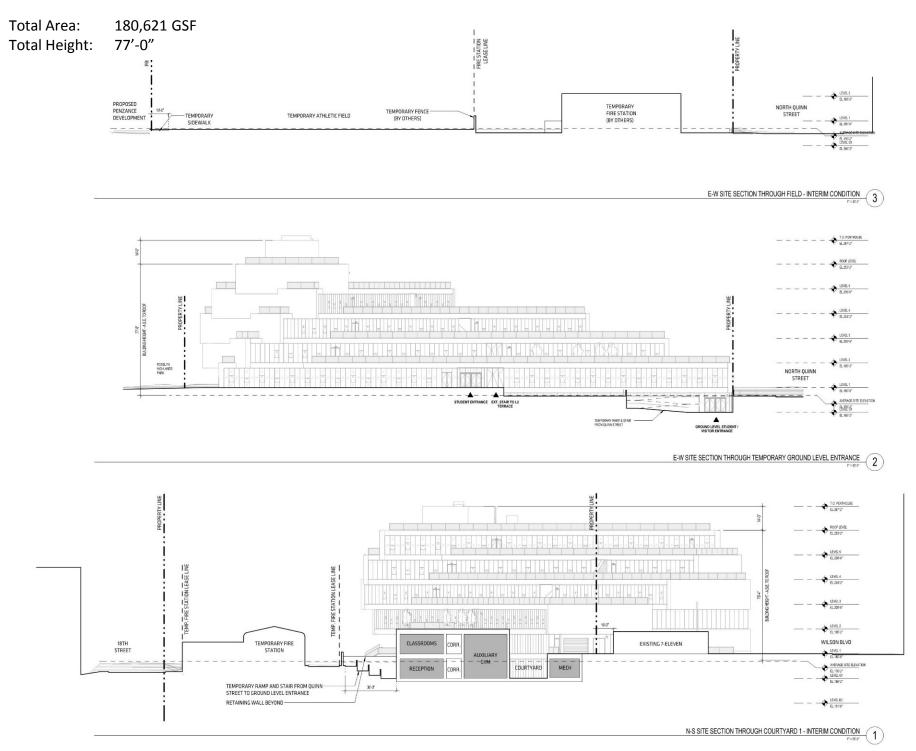
WILSON SCHOO



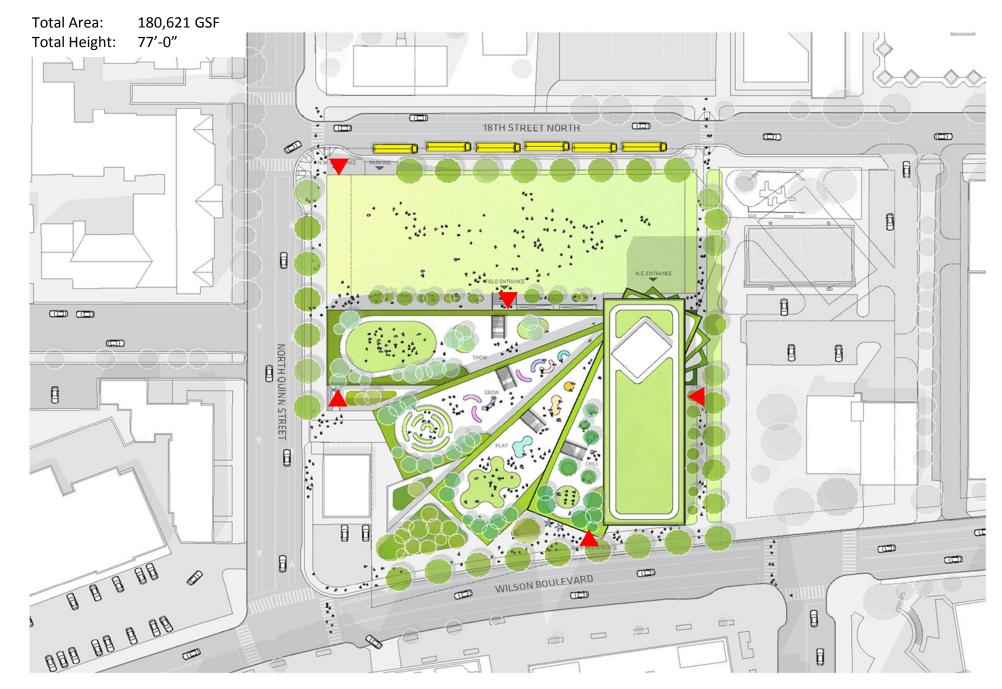
Independent of the second of second of second of the secon

Ť

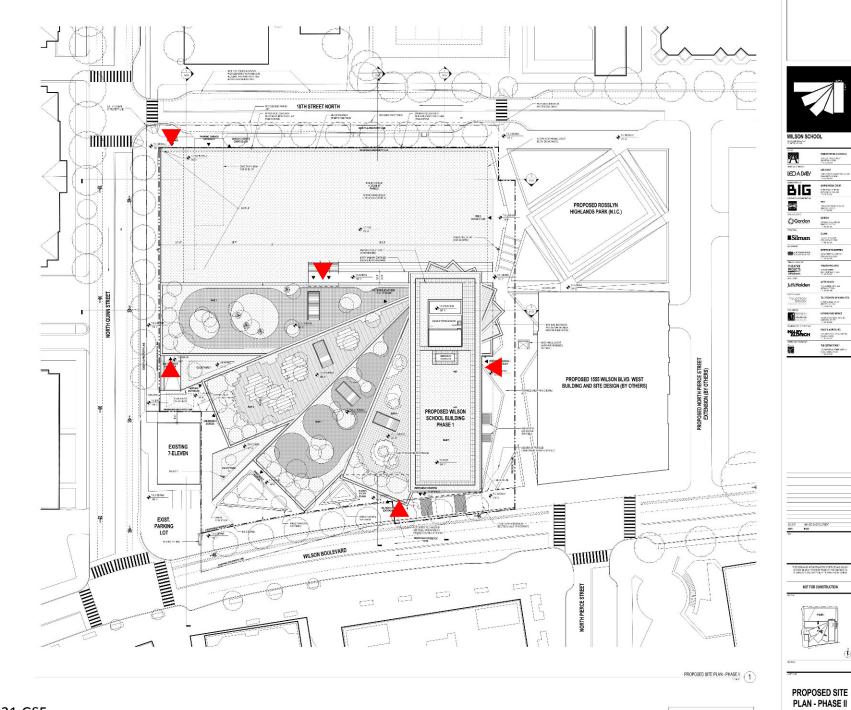
INTERIM CONDITION



FINAL CONDITION



FINAL CONDITION



Total Area: 180,621 GSF Total Height: 77'-0"



NOT FOR CONSTRUCTION

Ť

ARECTORNELS CO

SARZ HERE DOP CREATE A DECEMPTOR NUMBER OF DECEMPTOR

The scott thread of the line the sub-states

GENERAL SPECIFICATION SPECIFICATION

SLANK SEATS COMP. PROVIDE THE

NUMAX CARGO

NUMBER OF STREET

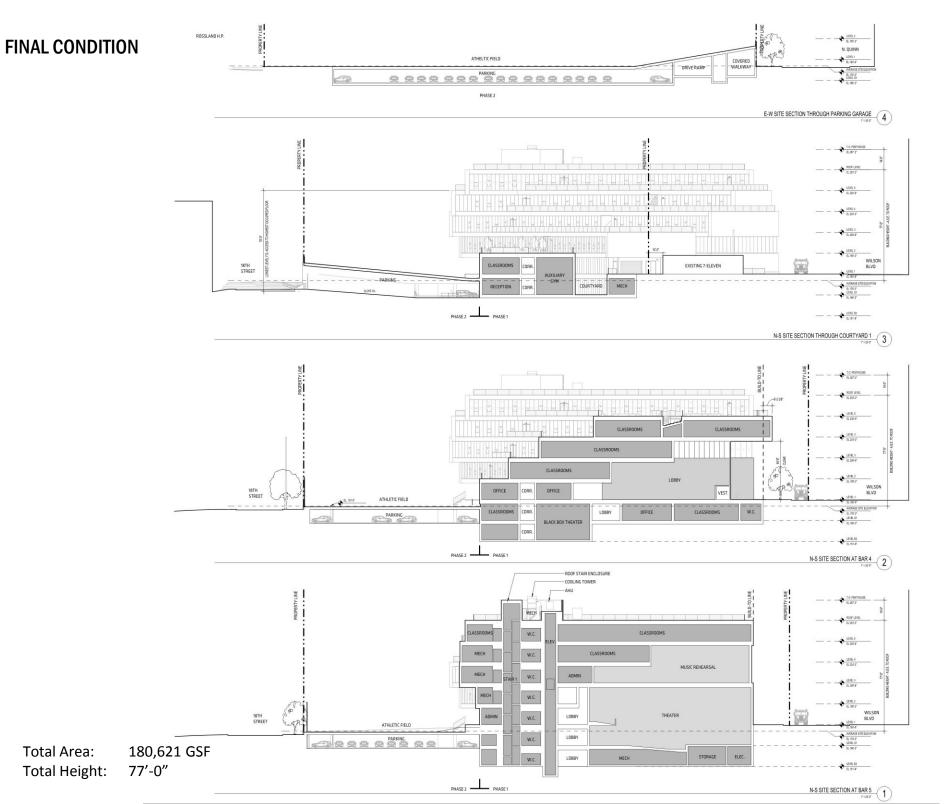
ANN HALEN THA VOID DO GUT MINOR COMP

NUMERAL STREET

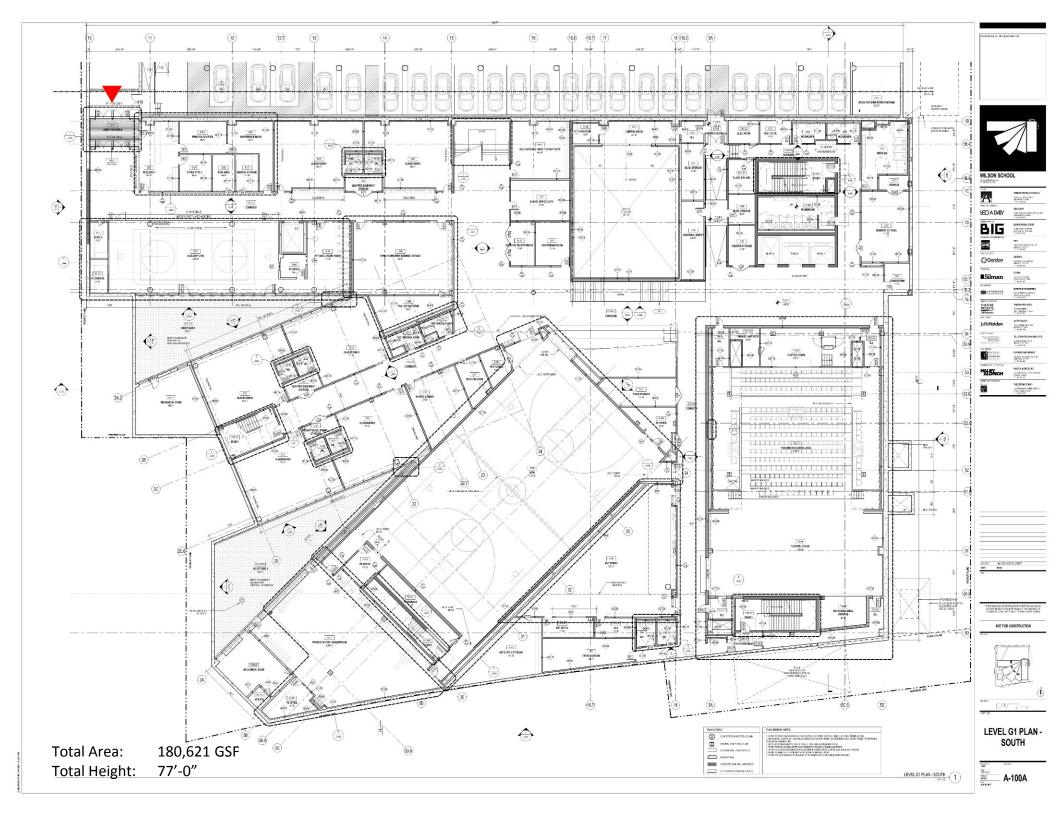
REPLEMENT. SS WORKS OF A GOVE NAME OF THE OFFICE

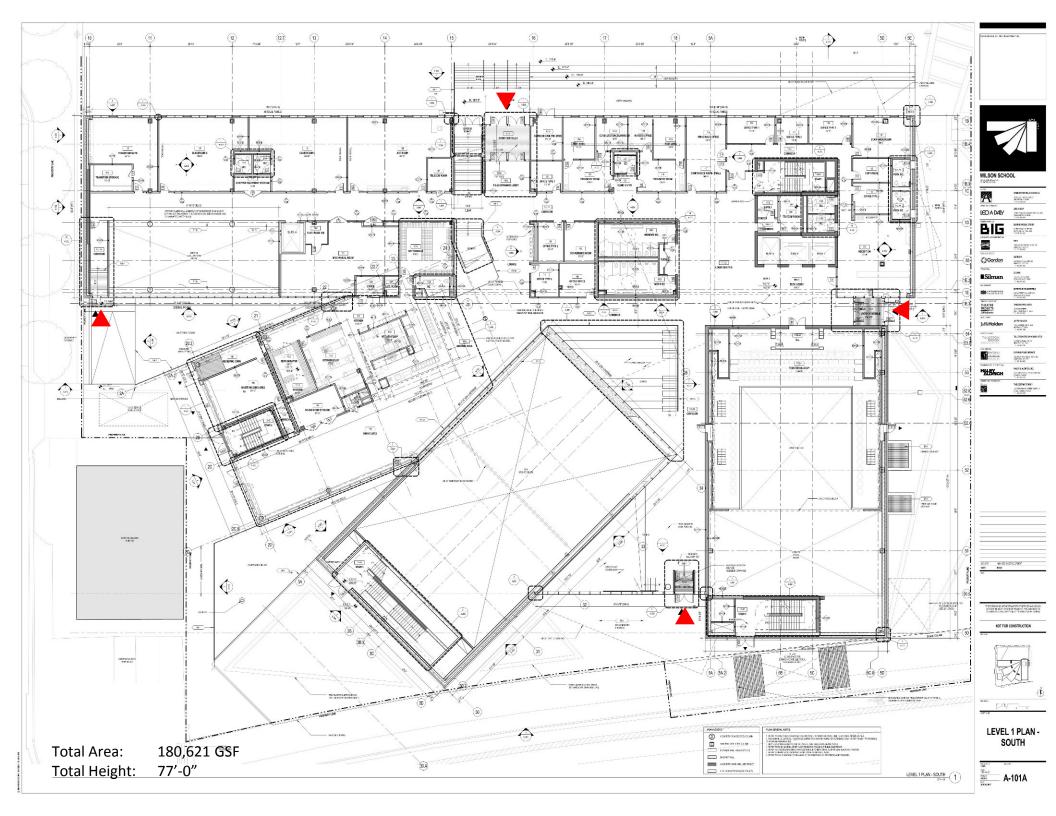
NE (STAFCXX)

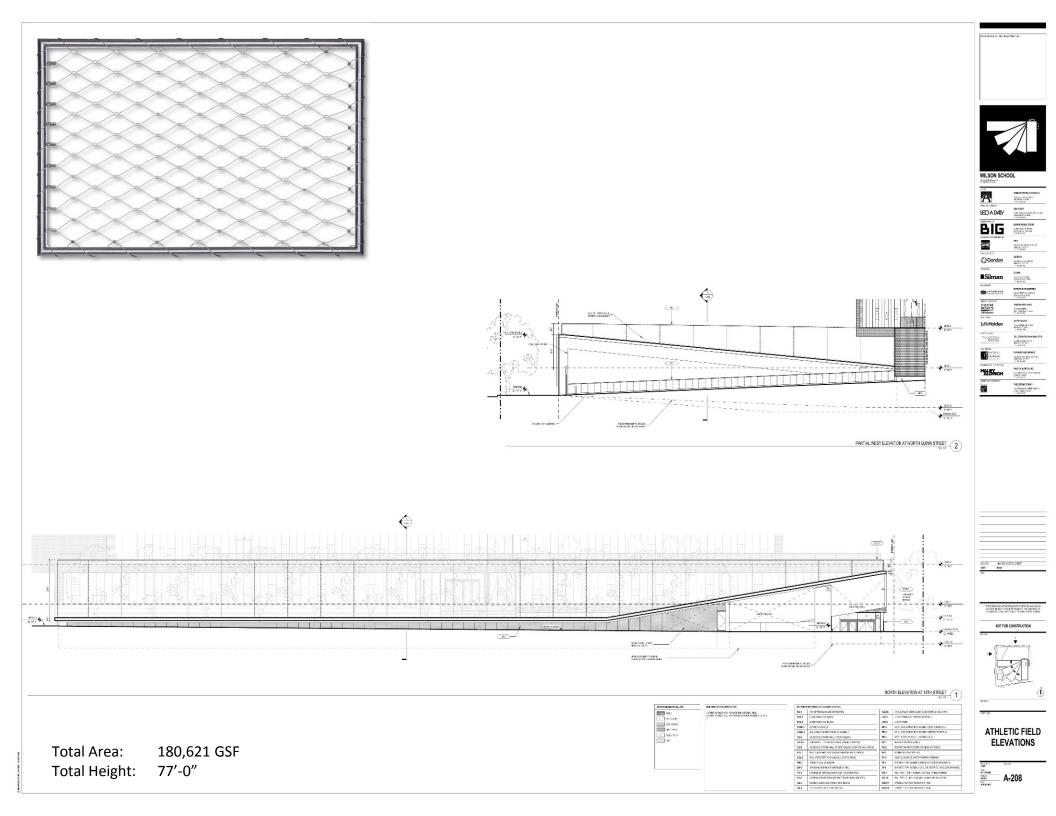
120 A ML* CB F. OR LONGING THE TAX IN MILLION TO LONG

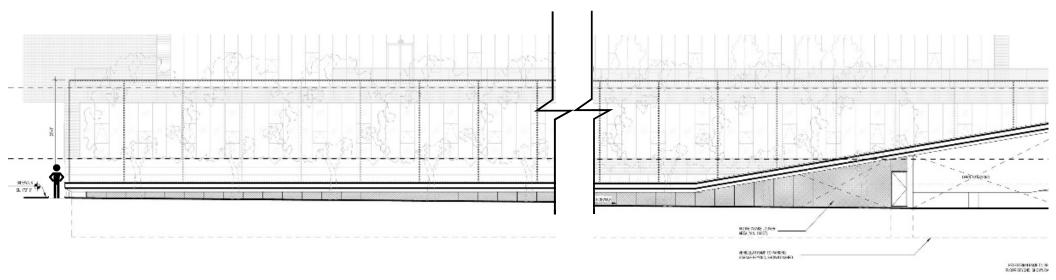








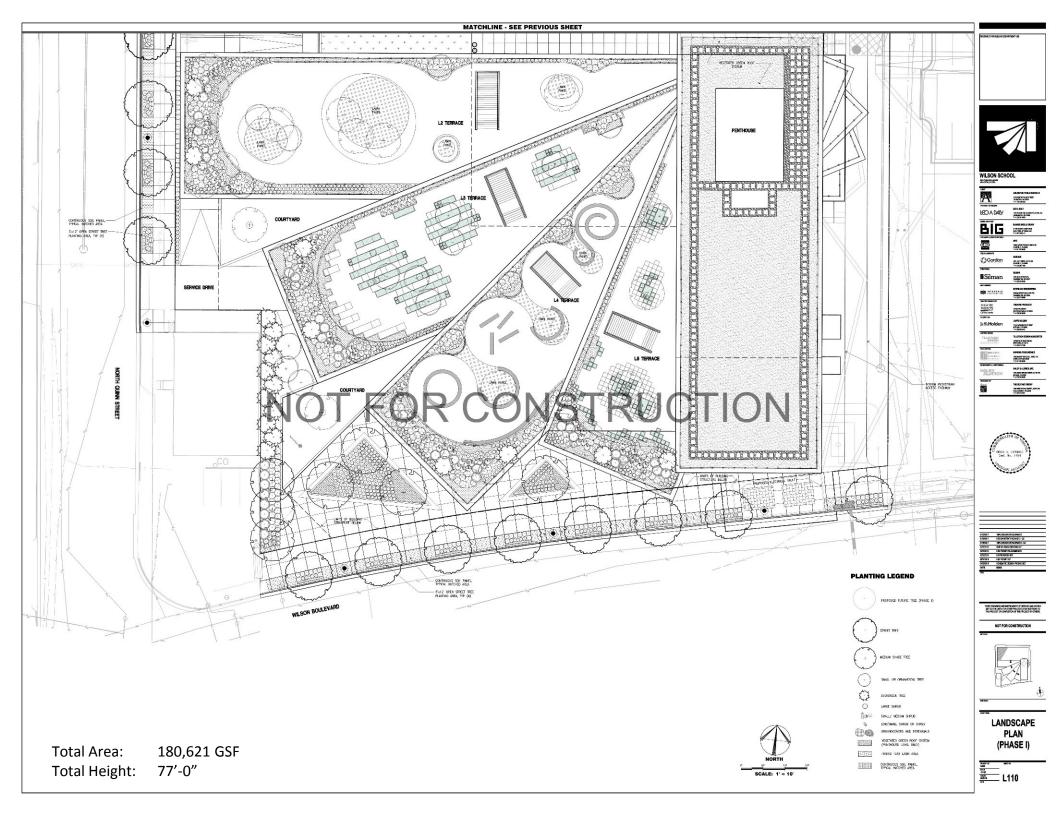




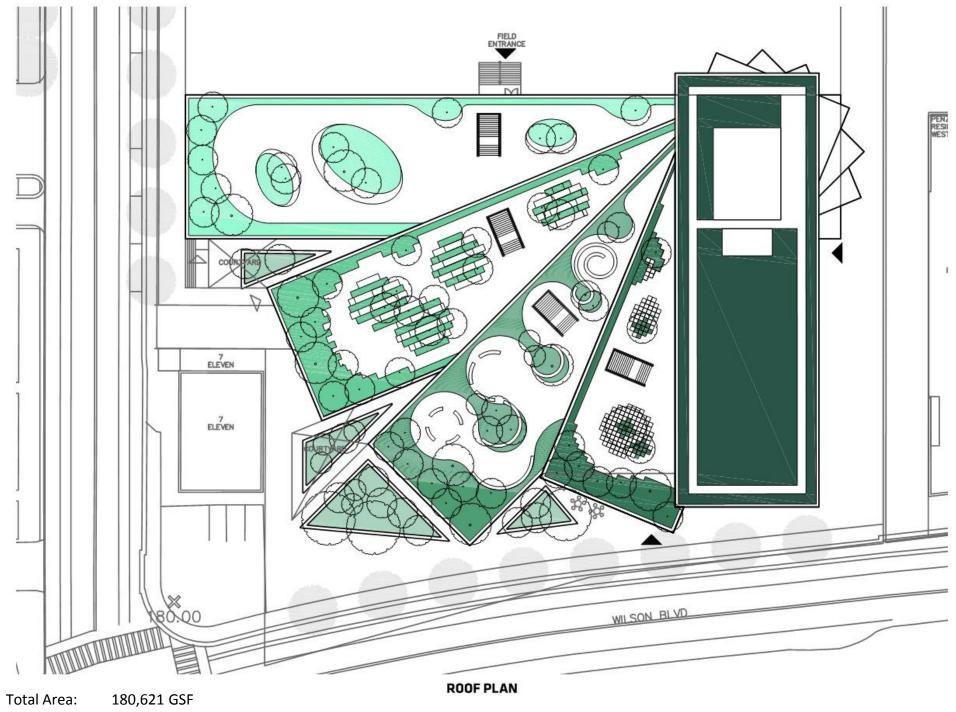
Total Area:180,621 GSFTotal Height:77'-0"









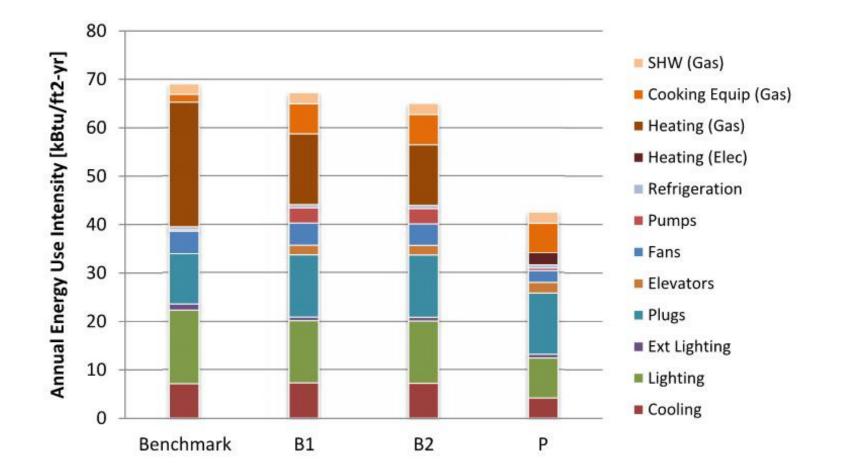


Total Height: 77'-0"

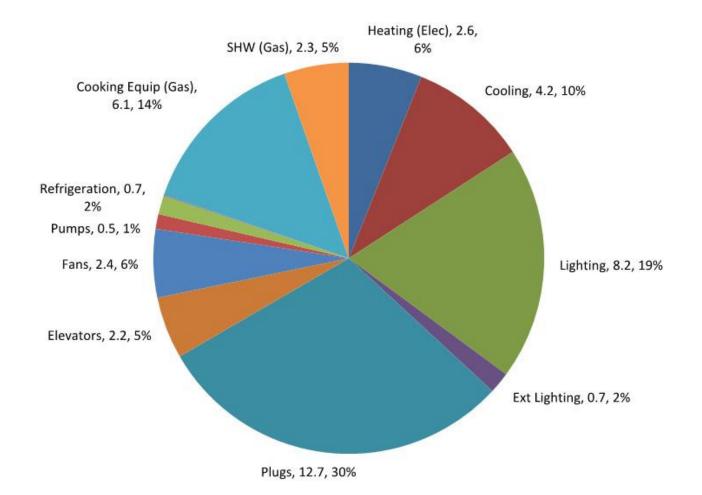
ENERGY / SUSTAINABILITY

Proposed Measure Result Summary

	Model Description	Utility Cost	Cumulative Cost Savings	Site EUI kBtu/ft2	
ID		Cost [\$]	[%]		
	Benchmark			68.9	
B1	ASHRAE BASELINE	276,558	0	67.2	
B2	2012 Virginia Energy Conservation Code	272,065	1.6 %	65.0	
Р	Proposed Design	198,100	28.4 %	42.7	



Proposed End Use BreakDown [End Use, EUI (kbtu/ft2), %]



5 0.0 0.0)64)64)29)48	0.36 0.36 0.16 0.27		Steel Frame Steel Frame Steel Frame IEAD
0.0 8 0.0)29)48	0.16 0.27		Steel Frame IEAD
8 0.0)48	0.27		IEAD
5 0.0	39	0 221		
		0.221		IEAD
0.0	025	0.142		IEAD
0	.5	2.8	0.4	Metal Framing CW / SF
3 0.	38	2.16	0.4	Metal Framing CW / SF
3 0.	38	2.16	0.31	Metal Framing CW / SF
	0. 3 0. 3 0.	0.5	0.5 2.8 3 0.38 2.16 3 0.38 2.16	0.5 2.8 0.4 3 0.38 2.16 0.4 3 0.38 2.16 0.31

LEED-S v2009 Project Scorecard						Wils Arling 2/1/20	ton P	S		C				
	Ú.	T	1	Minim	um Program Requirements			6	1		Materia	als & Resources Possible F	oints	a.
Y	?Y	' ?N	N	PIM	Misimum Dream Deguisemente			Y	7Y ?!	N	Ineres (Starage & Collection of Pagualablas		
No. of Lot, No.	-			Plf2	Minimum Program Requirements			T	-	2	Prereq 1	Storage & Collection of Recyclables		
Y	-	-		PII2 PII3	Project Summary Details				_	_	Credit 1.1	Building Reuse: Maintain Existing Walls, Floors, and Roof	als.	
Y		_	-		Occupant & Usage Data			-	_	1	-	Building Reuse: Maintain 50% of Interior Non-Structural Element	nts	
Y				Plf4	Schedule & Overview Documents			2	-	-	Credit 2	Construction Waste Management: 50%/ 75%		
10	0		-	Quete	nable Cites	Dessible Deinte	24	-	-	2	Credit 3	Materials Reuse: 5%/ 10%		
18 Y	2 ?Y			Susta	nable Sites	Possible Points	24	2	-	-	Credit 4 Credit 5	Recycled Content: 10%/ 20%		
Y	24	21N	N		Construction Activity Ballistics Brownster			2	-			Regional Materials: 10%/ 20%		
	-	-	-	Prereq 1	Construction Activity Pollution Prevention			-			Credit 6	Rapidly Renewable Materials: 2.5%		
Y	-	-	-	Prereq 2	Environmental Site Assessment				1		Credit 7	Certified Wood: 50%		
1	-	-	-	Credit 1	Site Selection		1				1	E		
4	-	-	-	Credit 2	Development Density & Community Connectivit	У	4	Apartment of the local division of the local	8		Indoor	Environmental Quality Possible F	oints	
1		-	-	Credit 3	Brownfield Redevelopment		1	Party and Party	?Y ?!	N N		W. I		
4			_	Credit 4.1	Alternative Transportation: Public Transportation A		4	Y	_	-	Prereq 1	Minimum IAQ Performance		
	_	1		Credit 4.2	Alternative Transportation: Bicycle Storage & Char		1	Y			Prereq 2	Environmental Tobacco Smoke (ETS) Control		
2		_	_	Credit 4.3	Alternative Transportation: Low Emitting & Fuel Eff	icient Vehicles	2	Y	_	_	Prereq 3	Minimum Acoustical Performance		
2			_	Credit 4.4	Alternative Transportation: Parking Capacity		2		1	_	Credit 1	Outdoor Air Delivery Monitoring		
		2	_	Credit 5.1	Site Development: Protect or Restore Habitat	[RP	1 1			1	Credit 2	Increased Ventilation: 30%		
				Credit 5.2	Site Development: Maximize Open Space		1	1		_	Credit 3.1	Construction IAQ Management Plan: During Construction		
	1			Credit 6:1	Stormwater Design: Quantity Control		1	1			Credit 3.2	Construction IAQ Management Plan: Before Occupancy		
		1		Credit 6.2	Stormwater Design: Quality Control		1	1			Credit 4.1	Low-Emitting Materials: Adhesives & Sealants		
1		_		Credit 7.1	Heat Island Effect: Non-Roof		1	1			Credit 4.2	Low-Emitting Materials: Paints		
	1			Credit 7.2	Heat Island Effect: Roof		1	1			Credit 4.3	Low-Emitting Materials: Flooring Systems		
		1		Credit 8	Light Pollution Reduction		1	1			Credit 4.4	Low-Emitting Materials: Composite Wood & Agrifiber Products	k -	
				Credit 9	Site Master Plan		1		1		Credit 4.5	Low-Emitting Materials: Furniture & Furnishings		
1				Credit 10	Joint Use of Facilities		1			1	Credit 4.6	Low-Emitting Materials: Ceiling & Wall Systems		
			_					Limmer Party of	1		Credit 5	Indoor Chemical & Pollutant Source Control		
	2	6	1	Water	Efficiency	Possible Points	11		1		Credit 6.1	Controllability of Systems: Lighting		
	7Y	' ?N	N	2					1		Credit 6.2	Controllability of Systems: Thermal Comfort		
				Prereq 1	Water Use Reduction: 20% Reduction			1			Credit 7.1	Thermal Comfort: Design		
				Credit 1	Water Efficient Landscaping		4	1			Credit 7.2	Thermal Comfort: Verification		
		3		Credit 2	Innovative Wastewater Technologies	[RP	2	1	2		Credit 8.1	Daylight & Views: Daylight 75% of Spaces		
	2	3		Credit 3	Water Use Reduction: 30%/ 35%/ 40%	[RP	4		1		Credit 8.2	Daylight & Views: Views for 90% of Spaces		
			1	Credit 4	Process Water Use Reduction		1	1			Credit 9	Enhanced Acoustical Performance		
									1		Credit 10	Mold Prevention		
	11	and the second second	and the second statements	Energ	y & Atmosphere	Possible Points	33					Alex & Dealers Dealers		
	?Y	2N	N	Prereg 1	Fundamental Commissioning of Building Energ	Custome		Conception of the local diversion of the loca	1 1 ?Y ?!		Innova	tion & Design Process Possible F	oints	
,			-	Prereg 2	Minimum Energy Performance	y Systems		1	ci on	N 14	Comment.	SSc4.1 E.P.		
-	-		-					1			-			
2	-		-	Prereq 3	Fundamental Refrigerant Management		10	-	1		-	SSc7.1 E.P.		
2	7		-	Credit 1	Optimize Energy Performance: 8% and up		19	1		-	-	PC78 - Design for Active Occupants		
		-	8	Credit 2	On-Site Renewable Energy: 1%-13%	[RP	N 18 -	1	-	-	Credit 1.4			
2	-	_	-	Credit 3	Enhanced Commissioning		2	1		-	Credit 2	LEED Accredited Professional		
			-	Credit 4	Enhanced Refrigerant Management		1		1		Credit 3	The School as a Teaching Tool		
-	2			Credit 5	Measurement & Verification		2	-						
				Credit 6	Green Power		2	E7 .	14 4	2 40	Total	Possible P	ointe	

