BLPC RECAP
BLPC #1: INTRODUCTION AND HISTORY
BLPC #2: SITE DESIGN WORKSHOP

Workshop Scheme 01

Workshop Scheme 02

Workshop Scheme 03

Workshop Scheme 04
CONCEPTS PURSUED BY TEAM

FANNING BARS

TERRACED COURTYARDS

ZIGGURAT

JENGA

SHIFTING ATRIUM
DECISIONS MADE @ BLPC 5
BUILDING LOCATION

18th Street

Wilson Blvd
BUILDING LOCATION

18th Street

Wilson Blvd
SCHEMES DISCUSSED @ BLPC #5

FANNING BARS

ZIGGURAT
SCHEMES DISCUSSED @ BLPC #5

FANNING BARS

ZIGGURAT
QUESTIONS REMAINING
HOW DO WE ENTER?

HOW IS THE FIELD LAID OUT?
HOW DO WE ENTER?

WHAT DOES THE FIELD LOOK LIKE?
MAJOR DECISIONS OF CONCEPT DESIGN
TRANSPORTATION

SITE ORGANIZATION

BUILDING ORGANIZATION
TRANSPORTATION

SITE ORGANIZATION

BUILDING ORGANIZATION
TRANSPORTATION
SITE ORGANIZATION
BUILDING ORGANIZATION
TRANSPORTATION
SITE ORGANIZATION
BUILDING ORGANIZATION

WE MADE THESE DECISIONS ALREADY!!!
DESIGN OVERVIEW
ORGANIZATIONAL PRINCIPLES
WILSON SCHOOL SITE

The Wilson School site is located in Rosslyn, VA along Wilson Blvd, right at the edge of the Rosslyn Central Business District.
OPEN SPACES & BUILDING LOCATION

As a starting point, a stacked bar of typical classrooms is located in the middle of the site. This allows for the open space behind the building to be connected to the adjacent park, and protected by the building. Towards Wilson Boulevard a portion of the site is reserved for civic uses.
TERRACES CONNECTING SCHOOL TO FIELD

To create green space adjacent to the instructional spaces the bars are rotated along a single hinge point. This creates sequential terraces leading from the instructional spaces of the school to the field.
LARGE, OPEN & COMMUNITY PROGRAMS ALONG WILSON BLVD

Beneath the rotated classroom bars is a large open ground floor with varying ceiling heights. The large and public functions of the building are placed here. The result is also that all of the spaces shared with the community are located along the site’s public edge at Wilson Blvd.
SITE MANIPULATIONS FOR ENTRIES AND DAYLIGHT

Manipulations to the landscape and ground surface create daylight to the lower level, access under the field to the Stratford Program, and access to 18th St. The remaining wedges facing Wilson Boulevard are programmed as small public parks, one near the entrance to the school and another facing the corner of Wilson & Quinn.
ACTIVATED TERRACES

Each of the terraces have their own themes relating to the use of the floor they are accessed by. These terraces give an opportunity for an urban school to have a 1-story feel, that otherwise would not be possible in a 5-Story school.
VERTICAL SCHOOL + COMMUNITY

Understanding that the Wilson School will be spread across multiple levels, the main goal was to provide a central space that connects the buildings levels and provide access to outdoor spaces adjacent to all levels.
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VEHICULAR CIRCULATION
VEHICULAR DROP OFF

There are many drop off zones being considered. Because of the urban site and potential traffic congestion the leading candidate for drop-off organization is where parent drop-off is located along Quinn St, and the Buses drop off along 18th Street.
PARKING GARAGE & BIKE STORAGE
Parking for both bicycles and cars is locate underneath the field behind the building.
LOADING AREA

To accommodate loading a service drive is provided behind the 7-Eleven. The kitchen, receiving area, and trash rooms are all located adjacent to this loading area.
ARRIVAL & ENTRANCE SEQUENCES
SPLIT LEVEL CONCEPT

DESIGN OVERVIEW
ARRIVAL & ENTRANCE SEQUENCES

WILSON SCHOOL . BLPC #6 . JUNE 24, 2015
SPLIT LEVEL CONCEPT

18TH ST
BUSES

STRATFORD

WILSON BLVD
SPLIT LEVEL CONCEPT

18TH ST

BUSES

WILSON BLVD

PUBLIC

STRATFORD
EAST ENTRANCE

DESIGN OVERVIEW
ARRIVAL & ENTRANCE SEQUENCES
INTERNAL ORGANIZATION
MAJOR DESIGN ELEMENTS
COMMUNICATING CENTRAL STAIR
To create connections between the levels of the school, a cascading central stair cuts through the building.
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CONNECTING TERRACE STAIRS

The cascading central stair on the interior is replicated to connect the terraces, allowing students to circulate outside and create a stronger connection between the neighborhood and the school.
VERTICAL CIRCULATION

In addition to the central stair for students, there are 4 simple stairs and a series of elevators. The building core is located at the hinge point containing a bank of elevators and a stair connecting all levels of the building. 3 other stairs are located in strategic locations at the ends of classroom bars. The stratford program would also have a dedicated elevator.
CENTRAL SPACE

Sunturmet quoditio omnimil labore nonsequ atureni millatat enia id ulluptatque conseque explant iorestium sapicipide sitiam quae culpa doloris eum vel ipsunt mos atem rehent quos qui dio voluptatque re, tem vellanit veruptus, aut pos enumquo quam, nitaspel idi re, odipsam fugiam, tempora
DAYLIGHT

In order to create proper learning environments classroom as are located where there is access to daylight.
SUSTAINABLE STRATEGIES

RAINWATER COLLECTION
Captured in a cistern and can be used for flushing toilets, mechanical equipment, and irrigation. Also reduces demand on public storm/sewer system.

SOLAR ENERGY
Photovoltaic panels capture energy from the sun and turn it into usable electricity that powers the building.

DAYLIGHT
Classrooms have access to sunshine and views outside, improving student comfort and performance, and reducing electrical demand from artificial lights.

GEOTHERMAL WATER LOOP
Utilizing naturally stable temperatures underground reduces the energy required to heat and cool the building.

GREYWATER RE-USE
Reclaimed water from hand-washing and uses it to flush toilets and supply water to mechanical equipment.
SITE PLANNING
MAJOR ELEVATION POINTS

168'-0"  170'-0"  175'-0"

175'-0"

180'-0"
PARKING GARAGE
SAME FOOTPRINT WITH TANDEM

WITH TANDEM PARKING IN THE SAME FOOTPRINT YOU CAN FIT 88 SPACES.
IF YOU EXPAND THE GARAGE YOU MAY BE ABLE TO FIT UP TO 92 SPACES. THIS SEEMS EFFICIENT, BUT THERE WILL BE A COST IMPACT.
NEXT STEPS
DETAILED SPACE PLANNING
CLASSROOM ORGANIZATION
CLASSROOM LAYOUT
ARTICULATION OF MAJOR SPACES
MATERIAL CHOICES
FIELD ENCLOSURE
DETAILED SPACE PLANNING

CLASSROOM ORGANIZATION

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FIELD ENCLOSURE
QUESTIONS ???