SCHEMES PRESENTED

FANNING BARS

JENGA

ZIGGURAT
BUILDING LOCATION

18TH STREET

- ENTRANCES CLOSER TO DROP OFF ZONE
- BETTER SOLAR EXPOSURE
- SMALLER FIELD b/c 7-ELEVEN
- MASSING LESS RELATED TO SURROUNDING NEIGHBORHOOD
- GREEN SPACE NOT CONTINUOUS
- BETTER ENERGY EFFICIENCY

WILSON BLVD

- LARGER CONTINUOUS OPEN SPACE
- FURTHER FROM BUS DROP OFFS
- EFFICIENT GARAGE LAYOUT
- FIELD ADJACENT TO COUNTY PARK
SPACE PLANNING
EXISTING FACILITY
H-B Woodlawn Students find spots to make their own.
H-B Woodlawn students find spots to make their own.
PROGRAMMATIC ORGANIZATION
INDIVIDUAL SPACE REQUIREMENTS
OVERALL PROGRAM

SCHOOL AREA

**STRATFORD** 19,010 NSF 17%

**H-B WOODLAWN** 78,610 NSF 73%

**SHARED** 8,980 NSF 10%
TYPES OF DAYLIGHT

STRATFORD
- CLASSROOMS
- ADMIN
- MULTI PURPOSE
- SPECIAL INSTRUCT
- LIBRARY
- SUPPORT

H-B WOODLAWN
- CLASSROOMS & LABS

SHARED
- FOOD SERVICE
- CLINIC
- SUPPORT

ARTS
- AUDITORIUM THEATRE
- AUDITORIUM STAGE
- BLACK-BOX THEATRE
- TECH THEATRE CLASS
- LARGE INFORMAL REHEARSAL
- CHEER LEADING ROOM
- ART STUDIO
- FILM & PHOTO

PHYS ED.
- MAIN CAMPUS
- FITNESS
- ADMIN
- LIBRARY

LIBRARY/ MEDIA CENTER

NO NATURAL LIGHT
BORROWED LIGHT
CLERESTORY LIGHTING
EXPOSED TO DAY LIGHT

WILSON SCHOOL . BLPC #5 . JUNE 10, 2015
BUILDING IS TOO TALL
WHAT DOES THE ATRIUM LOOK LIKE?
HOW DO PEOPLE CIRCULATE?
Building is too tall
What does the atrium look like?
How do people circulate?
FEEDBACK FOR ZIGGURAT SCHEME

BUILDING IS TOO TALL
WHAT DOES THE ATRIUM LOOK LIKE?
HOW DO PEOPLE CIRCULATE?
Ziggurat as shown last time was 10 levels above grade.
To make it lower, we had to make the floor plates deeper, creating less daylight in each space and taking up more site area to accommodate the program.
Because the entire perimeter is loaded with spaces, the entire building needs to be glass. This creates a solar exposure issue.
4TH FLOOR PLAN

ZIGGURAT
INDIVIDUAL SPACE REQUIREMENTS
7TH FLOOR PLAN

ZIGGURAT
INDIVIDUAL SPACE REQUIREMENTS

WILSON SCHOOL . BLPC #5 . JUNE 10, 2015
The atrium would provide a focal point for the building, but only a visual connection across the levels. It would not enhance the sense of connection between the different areas of the building.
FANNING BARS
WHERE IS THE COMMUNITY SPACE?

HOW DO THE BARS CONNECT?

WHERE ARE THE INTIMATE SPACES?

WHAT ARE THE SPACES BETWEEN THE FANS?

IS THE BUILDING TOO OPEN TOWARDS WILSON?
WHERE IS THE COMMUNITY SPACE?

HOW DO THE BARS CONNECT?

WHERE ARE THE INTIMATE SPACES?

WHAT ARE THE SPACES BETWEEN THE FANS?

IS THE BUILDING TOO OPEN TOWARDS WILSON?
CONCERNS WITH FANNING BARS SCHEME

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IS THE BUILDING TOO OPEN TOWARDS WILSON?
CLASSROOMS

The bars then rotate out to create coverage for high ceiling spaces on the lower levels.
GROUND FLOOR FOR THE COMMUNITY

The classroom fanning creates a large "flexible ground floor that can contain all of the public and active functions of the school."
DINING AND H-B LOBBY

The exact order and layout of these spaces is yet to be determined but would include the Lobby/Dining, the Stratford Multi-Purpose Room, the auditorium & the gymnasium.
STRATFORD MULTI-PURPOSE ROOM

The exact order and layout of these spaces is yet to be determined but would include the Lobby/Dining, the Stratford Multi-Purpose Room, the auditorium & the gymnasium.
H-B AUDITORIUM

The exact order and layout of these spaces is yet to be determined but would include the Lobby/Dining, the Stratford Multi-Purpose Room, the auditorium & the gymnasium.
H-B GYM

The exact order and layout of these spaces is yet to be determined but would include the Lobby/Dining, the Stratford Multi-Purpose Room, the auditorium & the gymnasium.
FANNING BARS

The exact order and layout of these spaces is yet to be determined but would include the Lobby/Dining, the Stratford Multi-Purpose Room, the auditorium & the gymnasium.
VARIETY OF OUTDOOR TERRACES

On each terrace that is created by the fan, there could be a different theme. Some possible terrace themes could include, athletics, gardening, lounging, gardening, science (solar farm) & beekeeping.
ADJUSTED TO WILSON SITE

When located on the site, bars extend to the site setback lines.
PARKING UNDER FIELD

The parking is located behind the building, sunken below the level of 18th Street.
DROP-OFF AND ENTRY SEQUENCE

On either side of the garage, at the level of 18th Street, covered entry-ways lead to the lobbies of each school.
FIELD/OPEN SPACE

Above the parking garage and the entrances is the Field/Open Space for the project. This will serve many functions including the Physical Education for the school. All of the terraces are then oriented towards this open space.
ENTRANCE FROM THE FIELD

The field is manipulated to create more daylight along the covered entry paths.
SUNKEN COURTYARDS

To bring more daylight into the Lower Level, 2 of the wedges between the bars are sunken to create closed courts.
Glass ends provide an openness to the street, but may complicate the structural engineering of the building and provide challenges for programming the spaces at the ends of the bars.
Closing the bars solves some of the technical and programmatic issues, but gives the project a different reading from the street... less open.
Either solution has a completely open building towards the field.
ARRIVAL & ENTRANCES
WILSON BLVD ORIENTATION: STRATFORD ENTRANCES

STRATFORD

FANNING BARS
ARRIVAL & ENTRANCES
WILSON BLVD ORIENTATION: FIELD SECTION

QUINN ST

STRATFORD ENTRY

A covered entry from 18th Street provides access to the ground level of each program.
BUILDING ORGANIZATION
BUILD UP - FIRST FLOOR

HB CLASSROOMS
ADMIN/CLINIC
INDIVIDUAL SPACE
CENTRAL SPACE
HB THEATER/MUSIC
INTERIOR HANGOUT STAIRS
CONNECTING STAIRS AND ACCESS TO TERRACE
18TH STREET ORGANIZATION
If the 7-Eleven is acquired by APS or the county the field/open space would be comparable to the Wilson Blvd. orientation.
DISCUSSION & COMPARISONS
ZIGGURAT

**PROS**
- Large Central Atrium
- Continuously connected terraces
- Daylight into all classrooms
- Circulation is a continuous loop

**CONS**
- Terraces not flat.
- Less opportunity for PV Panels
- More complex structural solution
- Minimal Daylight in atrium
- Atrium does not provide communal space
- Large glazed western exposure (Bad for energy performance)
- 8 story building

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FANNING BARS

**PROS**
- Large accessible outdoor spaces
- 5-6 story building
- Daylight into all classrooms
- Connecting Communicating Stair
- Connected Terraces
- Provides Opportunities for PV Panels
- Simpler Structural Solution
- Variety of Large and Intimate Public Spaces

**CONS**
- Larger Footprint
- Linear Corridors
- Fanning adds complexity to distribution systems

**RECOMMENDED OPTION**
<table>
<thead>
<tr>
<th>18TH STREET</th>
<th>WILSON BOULEVARD</th>
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<tbody>
<tr>
<td><strong>PROS</strong></td>
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<tr>
<td>- Shorter travel distance for all students from the bus drop off</td>
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<tr>
<td>- Separating School from Penzance</td>
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<tr>
<td>- Shorter distance for loading/unloading</td>
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<tr>
<td><strong>CONS</strong></td>
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<tr>
<td>- Field not adjacent to county park</td>
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<tr>
<td>- Massing not as related to surrounding neighborhood</td>
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<tr>
<td>- Open space limited by 7-Eleven</td>
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</tr>
<tr>
<td>- Massing of building relates well to surrounding neighborhood</td>
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<tr>
<td>- Field is adjacent to county park</td>
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<tr>
<td>- Open Space is behind and protected by the school building</td>
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<tr>
<td>- Larger immediately available area for open space</td>
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**RECOMMENDED OPTION**