NORTHEAST AREA
MIDDLE SCHOOL
NOTTINGHAM SITE

PRELIMINARY DESIGN PRESENTATION
The Board of Education of Baltimore County
Ms. Verletta White, Interim Superintendent

MOSELEY ARCHITECTS
DESIGNING SOLUTIONS • BUILDING TRUST • ENRICHING LIVES
AGENDA

- General Information
- Project Goals
- Project Value Engineering Measures
- Project Location
- Site Conditions
- Building Organization
- Renderings and 3D Animations
- Project Schedule Overview
- Questions
GENERAL INFORMATION

• Northeast Area Middle School
  • “Instruction Drives Facilities”
    • Student Centered
  • New school building on an developed site
  • Development of new BCPS Middle School prototype
    • Multiple Charrettes with BCPS
      • Middle School Vision
      • Education Specification Development

• Enrollment Information
  • Target SRC 1410

• Regional Programs
  • Magnet Academy of Health Science
  • Regional Special Education
PROJECT GOALS

• **Support 21st Century Learning Techniques**
  • Create collaborative expanded learning spaces
    • Shared Extended Learning Area between paired classrooms
    • Collaborative Learning Area within distinct team areas
    • Centralized multi-functional Learning Commons
    • Outdoor classroom spaces
    • Flexible learning spaces
    • Health Sciences Laboratory

• **Sustainable Design Strategies**
  • Achieve LEEDv4 Silver™ rating (Leadership in Energy and Environmental Design) from the United States Green Building Council (USGBC)
  • Maximize energy efficiency
    • Building envelope with high thermal resistance
  • Vegetated (green) roof design that also supports 21st Century Learning
PROJECT GOALS

• **Unique Design Features**
  • Create (3) team learning communities per grade
    • Grades configured by floor level or wing
  • Compact footprint and spatial arrangement maximizes daylight and views
  • Building configuration provides ultimate flexibility
    • Standardized Classrooms
    • Extended Learning Areas shared with paired classrooms
    • Multiple Collaborative Learning Areas throughout
  • Multiuse Stage for Vocal Music, Dance and performances
    • Theatrical lighting and sound systems
    • Wing space
    • Curtains system
    • Telescopic seating for performances
  • Outdoor classroom spaces
PROJECT VALUE ENGINEERING MEASURES

- **Civil/Site/Structural**
  - Conduct intensive geotechnical investigations
  - Building adapts to site conditions
    - Reduce amount of site work
      - Saves money
      - Reduces structural impacts
  - Academic wings are structural steel frame
    - Time-saving benefit during construction

- **Architectural**
  - Improve building efficiency
  - Simplification of building footprint
  - Limit use of concrete masonry unit partitions
  - Exterior metal stud walls in academic 3-story wings
  - Standardize spaces
  - Standardize window and door openings
VICINITY MAP
BALTIMORE COUNTY PUBLIC ELEMENTARY SCHOOLS

NORTHEAST AREA MIDDLE SCHOOL
NOTTINGHAM SITE
October 9, 2018
NEIGHBORHOOD MAP
DEVELOPED SITE PLAN – SITE CIRCULATION

Red Hill Way
Bus Loop Entry
Main Entry
King Avenue
Stapleford Road

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NEIGHBORHOOD MAP
DEVELOPED SITE PLAN – SITE CIRCULATION

Service Area/Secondary Parking

Main Entry

Drop-Off Loop

Main Parking Lot

King Avenue

Bus Loop

Bus Loop Entry

Stapleford Road

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NORTHEAST AREA MIDDLE SCHOOL
NOTTINGHAM SITE
October 9, 2018
BUILDING ORGANIZATION

Third Floor Plan

LEGEND

Art Classroom
World Language
Faculty Lounge
Professional Development
Makerspace
Flex Classrooms
World Language

Typical Grade Level Team
Typical Grade Classrooms
Team Toilets
Collaborative Learning Area
Science Classroom
Stair Tower
Extended Learning Areas
Special Ed or ESOL per Team

NORTHEAST AREA MIDDLE SCHOOL
NOTTINGHAM SITE
October 9, 2018
BUILDING ORGANIZATION – GRADE CONFIGURATION

Grade Organized Vertically
BUILDING ORGANIZATION – GRADE CONFIGURATION

Grade Organized Horizontally
UNIQUE DESIGN FEATURES

Cafeteria/Commons with tables = 504
UNIQUE DESIGN FEATURES

Cafeteria/Commons with telescopic platforms and chairs = 533
Main Entry
Looking Northeast from Drop-Off Loop
Academic Team Wings
Looking Northwest from Bus Loop

NORTHEAST AREA MIDDLE SCHOOL
NOTTINGHAM SITE
October 9, 2018
Academic Team Wings
Looking Southwest from Bus Loop
<table>
<thead>
<tr>
<th>Phase/Activity</th>
<th>Date</th>
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<tbody>
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<tr>
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<td>May 2019</td>
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Thank You

Questions and Answers