

# 2014 Exhibition of School Planning and Architecture

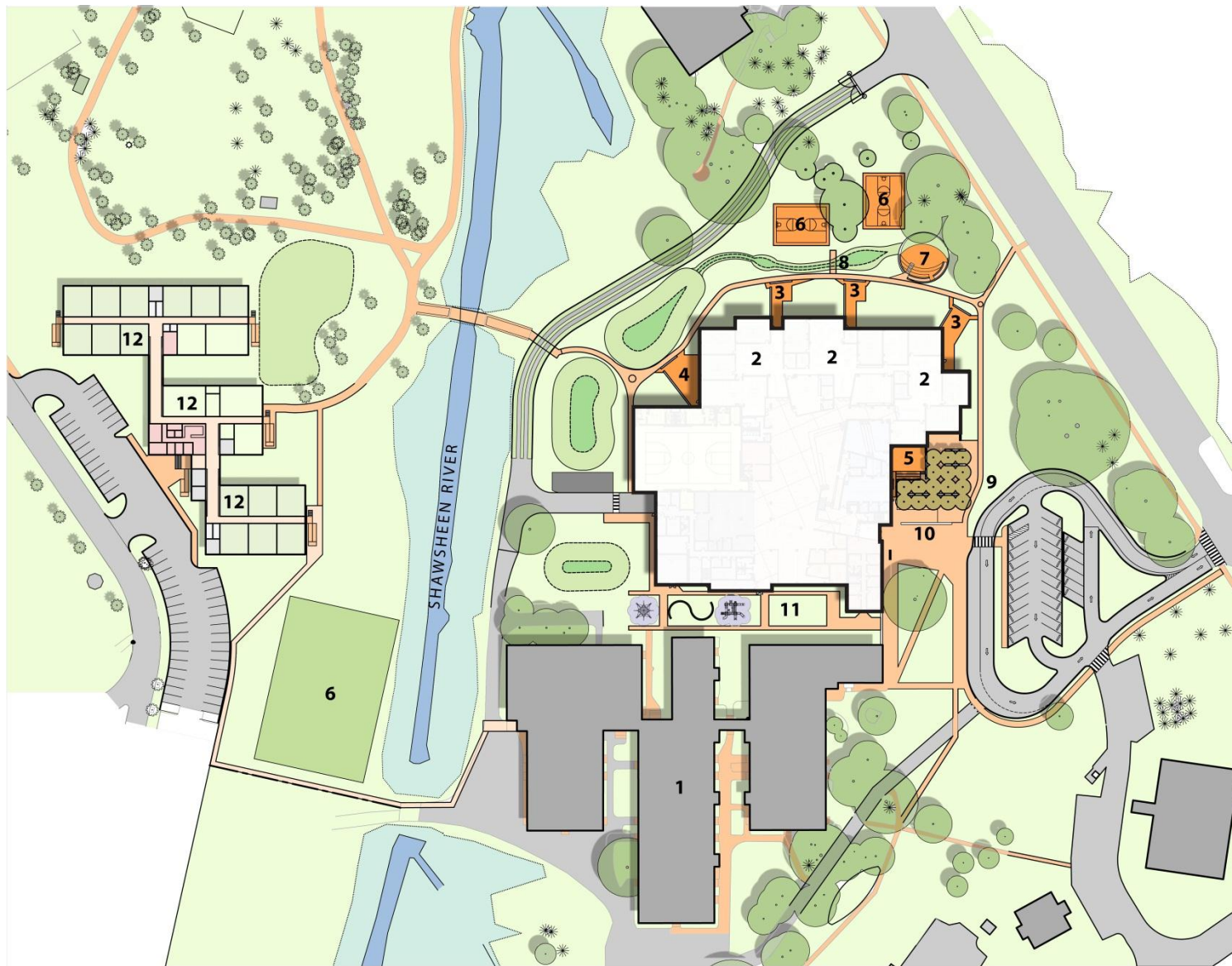
## Hanscom Middle School

DoDEA | Lincoln Public Schools

Hanscom Air Force Base, Lincoln, MA



SCHOOL ENTRY



SITE PLAN



- |                                    |  |
|------------------------------------|--|
| <b>1</b>   Existing Primary School | <b>7</b>   Wetlands Amphitheatre         |
| <b>2</b>   Neighborhoods           | <b>8</b>   Bioswale & Bridge             |
| <b>3</b>   Group Learning Terraces | <b>9</b>   Arrival Bosque                |
| <b>4</b>   Science Patio           | <b>10</b>   Bicycle Parking              |
| <b>5</b>   Music Patio             | <b>11</b>   Temporary Primary Play Area  |
| <b>6</b>   Play Fields             | <b>12</b>   Temporary Classroom Building |



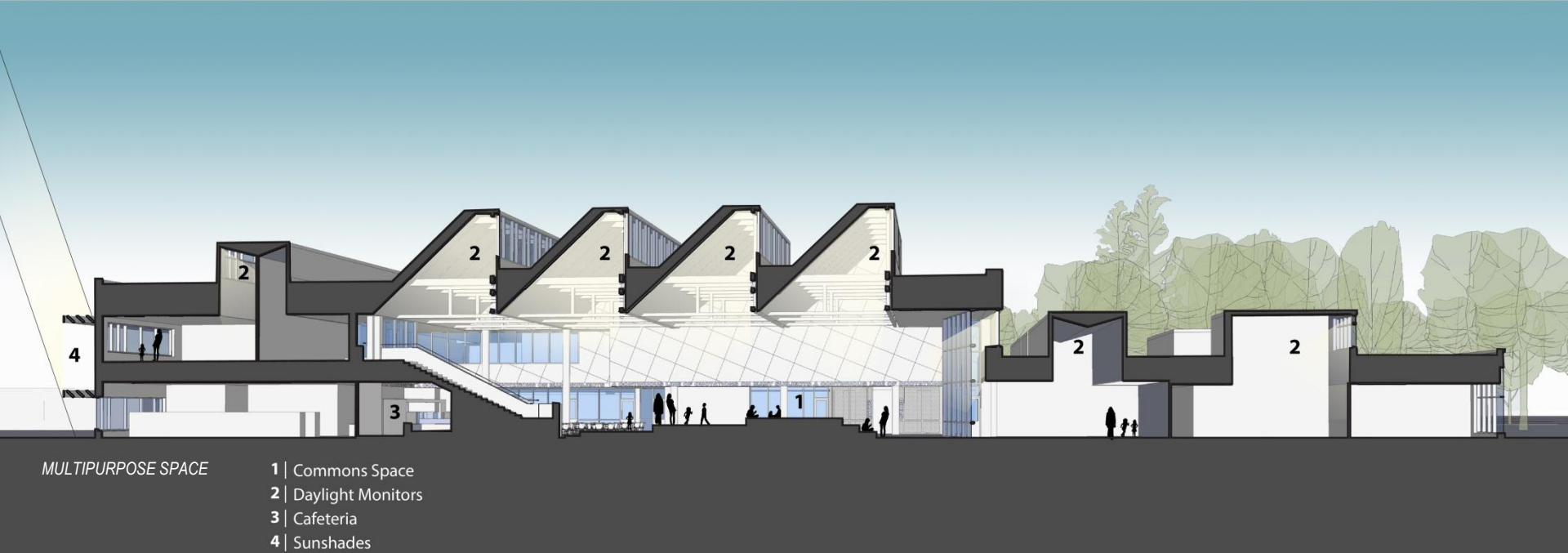
MULTIPURPOSE SPACE

## The Commons –

- A grand student activated space  
at the heart of the school

*"Having a inspiring civic space for the school will help our kids be  
prepared for High School and beyond."*

School Board Member, Lincoln Public Schools



## Community as Steward

- The communal space reinforces stewardship of the environment
- Digital Dashboard empowers students to act
- Interactive signage and displays educate and incentivize



OUTDOOR LEARNING TERRACE



COMMONS

## Flexibility and Adaptability –

- Connecting the Small learning communities to the Commons



EXTERIOR SITE

## Orientation and Views –

- North and south facing learning studio windows allow for solar management and better access to views of the surrounding environment

*“The lion share of energy efficiency potential is unlocked in the first moments of the project when the building is oriented. If we don’t get that right, we’re chasing our potential right out of the gate, and falling behind ”*

**Rocky Mountain Institute**

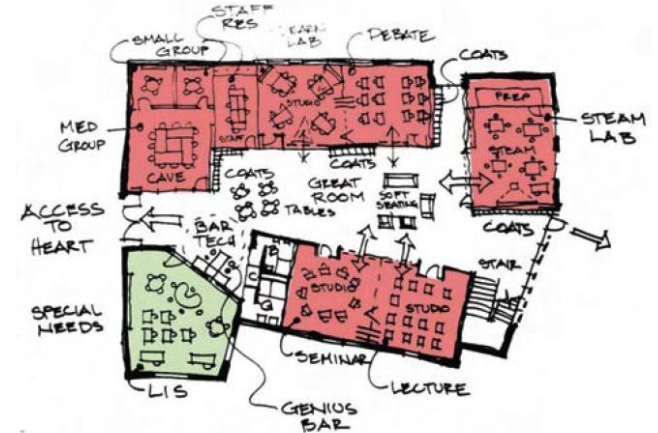
The first step in the planning process was the work done with DoDEA to create their 21st Century Education Facilities Specification. Based on our experience and success with DoDEA we were invited to collaborate in the creation of their new guiding document

Through a series of workshops, we engaged in a discovery process to get at the heart of what 21st Century Education should be and determine what is the facility response to that need.

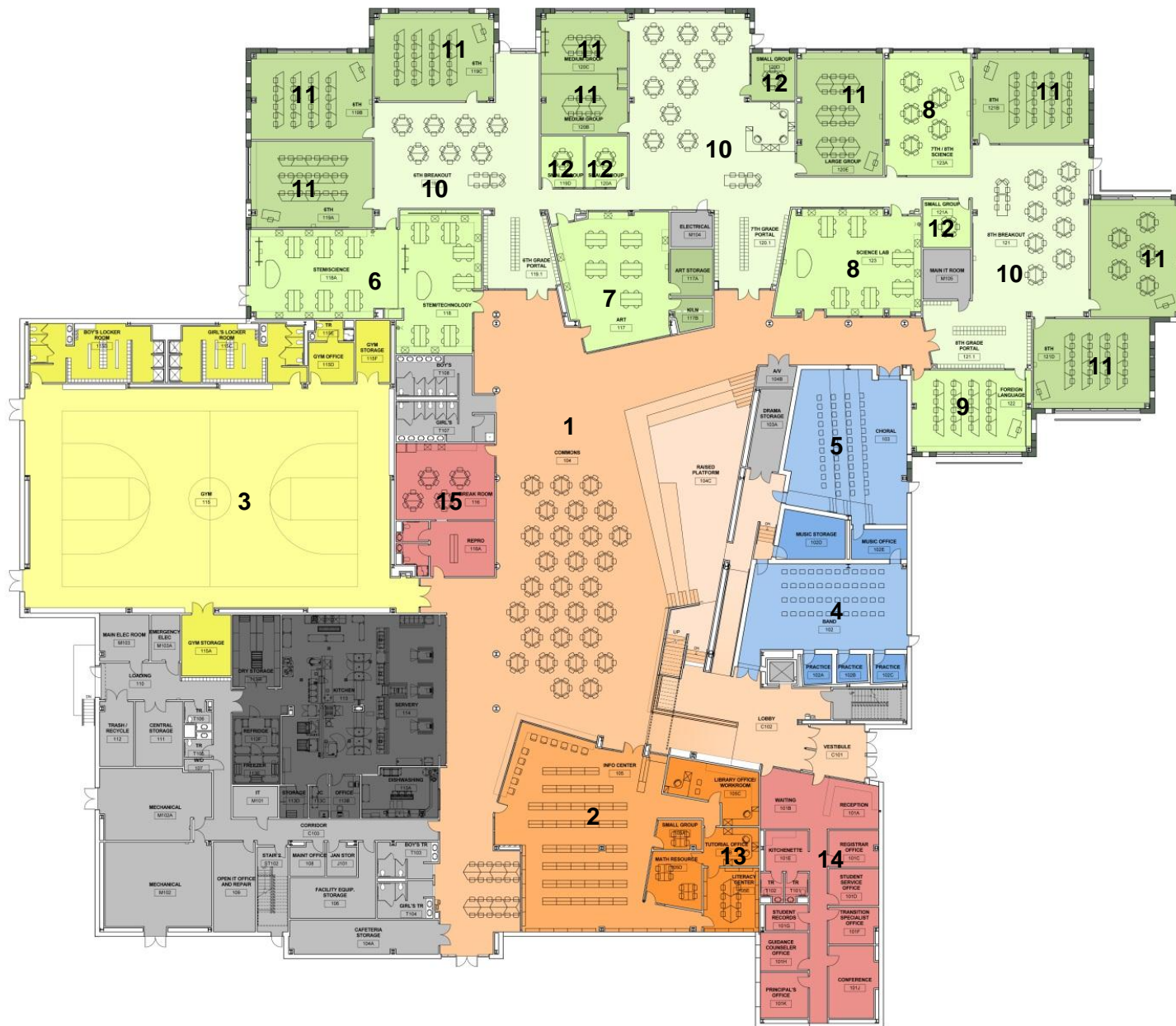
Once the aspirational character of the school took shape, the working group then helped distill the fundamental spaces needed. The result was the **DoDEA 21st Century Educational Facility Specification** and even more importantly, the DoDEA Design Center, a collaborative group of planning and design professionals sharing best practices and advise on fine tuning of the specifications.



COLLABORATIVE STAKEHOLDER DESIGN CHARRETTE

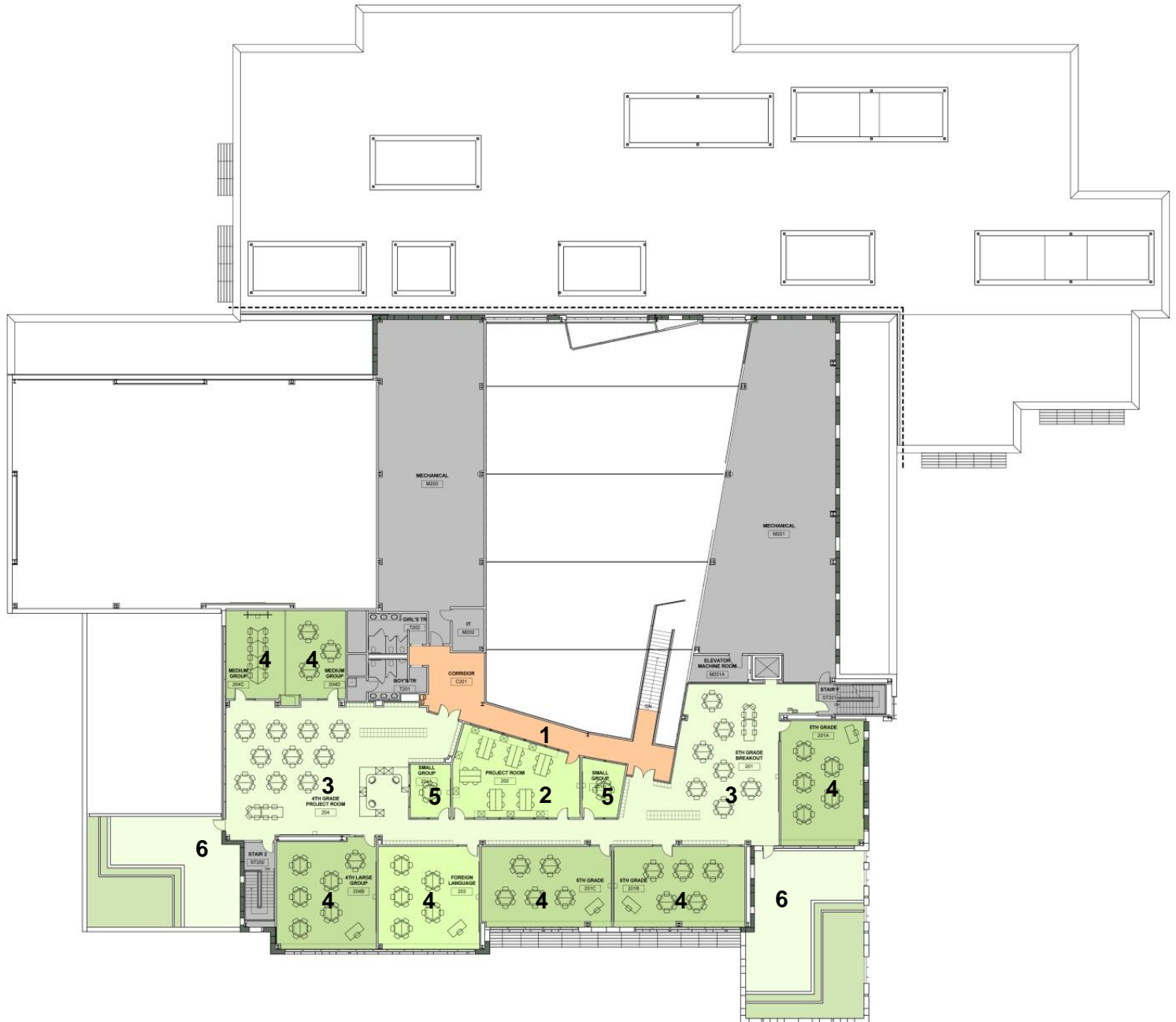


CHARRETTE DESIGN SKETCH



- 1 | Commons
- 2 | Info Commons
- 3 | Gymnasium
- 4 | Music
- 5 | Choral
- 6 | Science / Tech (STEAM)
- 7 | Art (STEAM)
- 8 | Science (STEAM)
- 9 | Computer Lab
- 10 | Learning Hub
- 11 | Learning Studio
- 12 | Group Rooms
- 13 | Tutorial
- 14 | Administration
- 15 | Staff





- 1 | Commons Overlook
- 2 | Elementary Sciences
- 3 | Learning Hub
- 4 | Learning Studio
- 5 | Group Room
- 6 | Outdoor Learning



# Exhibition of School Planning and Architecture

## Project Data

Submitting Firm :	EwingCole
Project Role	AE
Project Contact	Stephen Gastright, AIA
Title	Project Manager
Address	100 N. 6 <sup>th</sup> Street
City, State or Province, Country	Philadelphia, PA 19106
Phone	215. 625.4162

Construction Firm:	J & J Construction
Project Role	
Project Contact	James Conway
Title	Resident Engineer
Address	
City, State or Province, Country	
Phone	978.318.8100

# Exhibition of School Planning and Architecture

## Project Details

<b>Project Name</b>	Hanscom Middle School
<b>City</b>	Lincoln
<b>State</b>	Massachusetts
<b>District Name</b>	DoDEA / Lincoln Public Schools
<b>Supt/President</b>	Russ Barnhart
<b>Occupancy Date</b>	9/2016
<b>Grades Housed</b>	4-8
<b>Capacity(Students)</b>	350
<b>Site Size (acres)</b>	7 acres
<b>Gross Area (sq. ft.)</b>	85,000
<b>Per Occupant(pupil)</b>	194 gross
<b>gross/net please indicate</b>	85,000 / 56,485
<b>Design and Build?</b>	
<b>If yes, Total Cost:</b>	
<b>Includes:</b>	
<b>If no,</b>	
<b>Site Development:</b>	\$7.418 M
<b>Building Construction:</b>	\$23.566 M
<b>Furniture / Equipment:</b>	\$985,000
<b>Other: Kitchen</b>	\$500,000
<b>Total:</b>	\$30.984 M