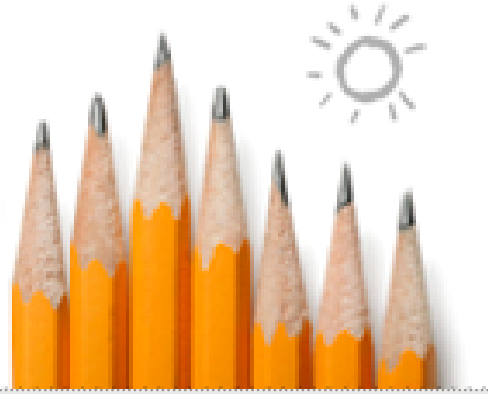


MSBA Roundtable

Thursday, January 8, 2026

From Concept to Completion:

The School Building Process and Student Engagement

Presenters

Mary Pichetti
Executive Director, MSBA

Dianne Kelly
Superintendent, Revere Public Schools

Brian Dakin
Project Director, Leftfield

Dawn Guarriello
Associate Principal, Perkins Eastman

Christina Bazelmans
Principal, LPA | Architects

Todd McCabe
Vice President, Consigli Construction

The MSBA's Building a Logo Contest was geared towards connecting students with the work accomplished by the MSBA and inviting our most important clients, the students, to assist the MSBA in reimagining a new authority logo.

Variety of learning opportunities for our students,
With the benefit that we can learn from them!

"Education is not the filling of a pail, but the lighting of a fire."
- William Butler Yeats

MY IDEAL SCHOOL CONTEST

"The world is but a canvas to the imagination"
— Henry David Thoreau

WHY IS THIS IMPORTANT?

Pre-planning for “other” things is difficult when your “regular” job is all consuming.

Thoughtfulness about the variety of learning opportunities inherent in school building projects ensures we properly leverage those opportunities for our students.

We don’t know what we don’t know. Our students don’t know what they don’t know.

There are learning opportunities embedded for all community members. We should leverage these as well.

EXAMPLES OF CURRICULUM IDEAS

Elementary

- MATH: Use new building design materials for a unit on area and perimeter. (3.G.A, 3.MC.C)
- HISTORY: Who picked the name of your school and why? Identify two local heroes for whom you think the new school (or a portion of the school) should be named. (5.1, 5.2)
- ELA: Use descriptive language to imagine and explain what the new building will be like when it opens and how it could impact students. (Writing, Language)
- ART: Draw a diagram of the building you described in your ELA essay. (Visual)

EXAMPLES OF CURRICULUM IDEAS

Middle

- MATH: Using the projected costs of your community's new school, analyze how the cost of building a school has increased over time in your city/town. Calculate percent increases, averages, and trends over time. (6.RP.A, 7.SP.A)

- HISTORY: Investigate how public schools are funded and built in your city/town. Create a one-page memo for the Superintendent identifying which elected officials and which community members the Superintendent should work with and why – to get a new school built. (civics)

- ELA: Write a persuasive essay convincing elected officials that they should fund a new school building project. Include information about student learning needs and how schools impact community growth. (civics, W.6.1)

- ART: Work in teams to create a graphic design proposal that visually represents a new school building and its identity, using symbols, text, and layout to communicate purpose and feeling. (S.2)

EXAMPLES OF CURRICULUM IDEAS

High School

- MATH: Using the two different models provided by the new school architect for the academic wing, use systems of equations to determine when the costs of the two designs are the same. Which model would you choose and why? (A.CED.3)

- HISTORY/ELA: Analyze the historical significance of the site chosen for our new school building. Write a well organized essay exploring how land use reflects broader social, economic, and political trends in U.S. history. (US, Econ/Gov)

- ART: Design a sculpture reflecting the values, energy, and diversity of the student body and community. The winning sculpture will be funded by the building project and subsequently installed near the entrance of the new school. (S.1)

OWNER'S PROJECT MANAGEMENT ROLE & REQUIRMENTS

- Required by Massachusetts General Law for construction, reconstruction, installation, demolition, maintenance or repair of any building project by a public entity estimated to cost not less than $1,500,000
- Required prior to entering into a contract for Design services
- Registered MA Architects or Professional Engineers with a minimum of 5 years experience in the construction and supervision of construction of buildings

  OR
- Persons with a minimum of 7 years experience in the construction and supervision of construction of buildings

VARIED CAREER PATHS TOWARDS OWNER'S PROJECT MANAGEMENT

- Architecture
- Engineering (Civil, Structural, Environmental, Electrical, Plumbing, HVAC, various specialties)
- Construction (Trades, Management)
- Real Estate Development
- Various Civic Backgrounds (Municipal Management, Education, etc.)
- Various Vendor or Services Backgrounds (Technology, Business, Move Management, etc.)

KEY COMPONENTS OF OWNER'S PROJECT MANAGEMENT

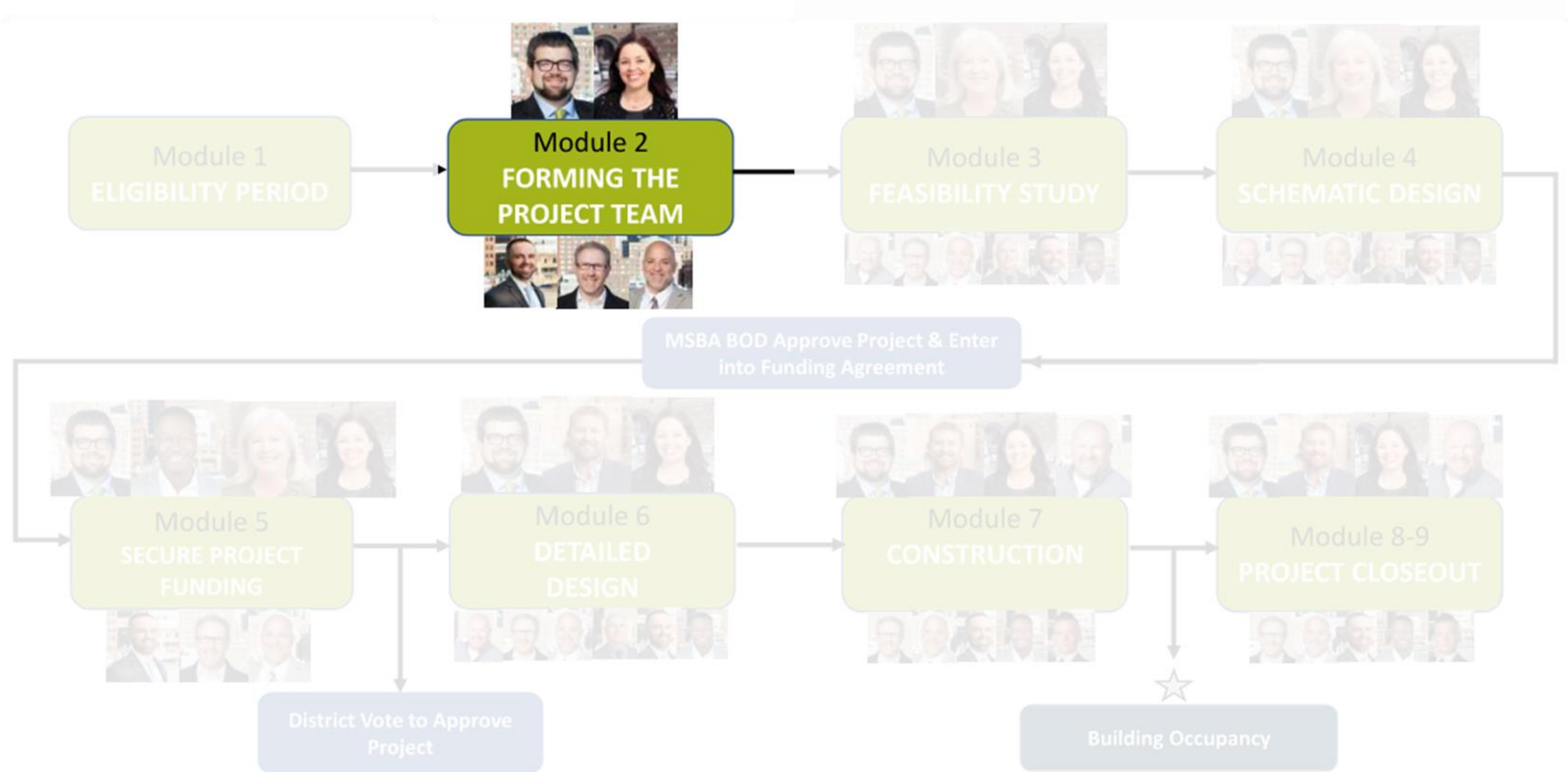
- Knowledge of how differing municipalities function at a Civic level (City, Town, Regional District)
- Knowledge of related law
- Knowledge of design, engineering and construction
- Management of complex clients (SBC, SC, CC, Selectboard, "School", "City Hall", etc.)
- Management of experts

OPPORTUNITIES FOR STUDENT INVOLVEMENT IN SCHOOL PROJECT MANAGEMENT

- Conduit to opportunities/internships with Architect, Engineers, Contractors
- Establish opportunities for Students to participate via the School Building Committee
  - Exposure to how Cities/Towns function
  - Exposure to coordination between local and state entities / stakeholders
  - Financial capability planning
  - Permitting processes
- Opportunities vary over the lifespan of the School Project

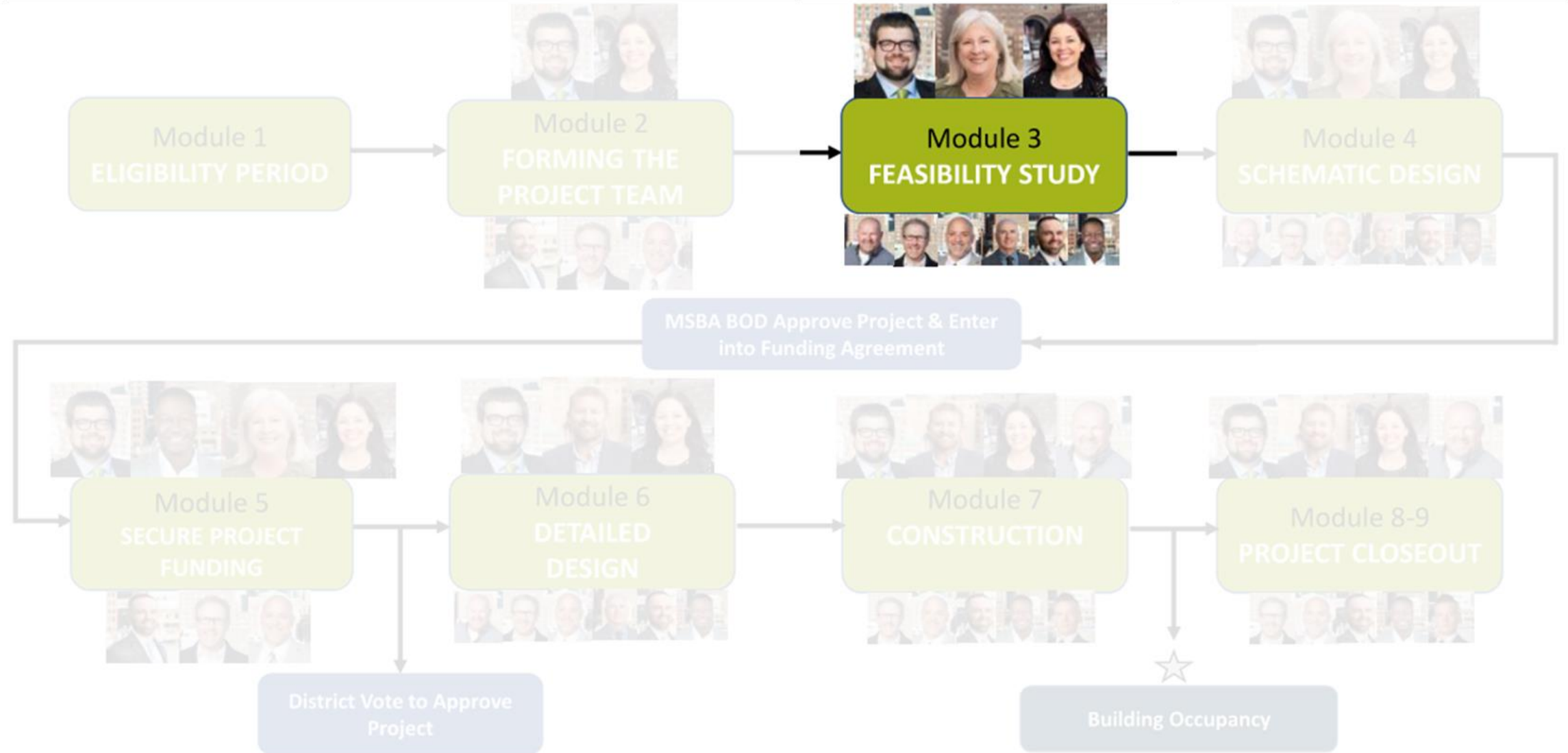
CIVIC GOVERNANCE IN MODULE 2 - FORMING THE PROJECT TEAM

- Coordination of Goals
- MSBA Designer Selection Panel
- Execution of Contracts



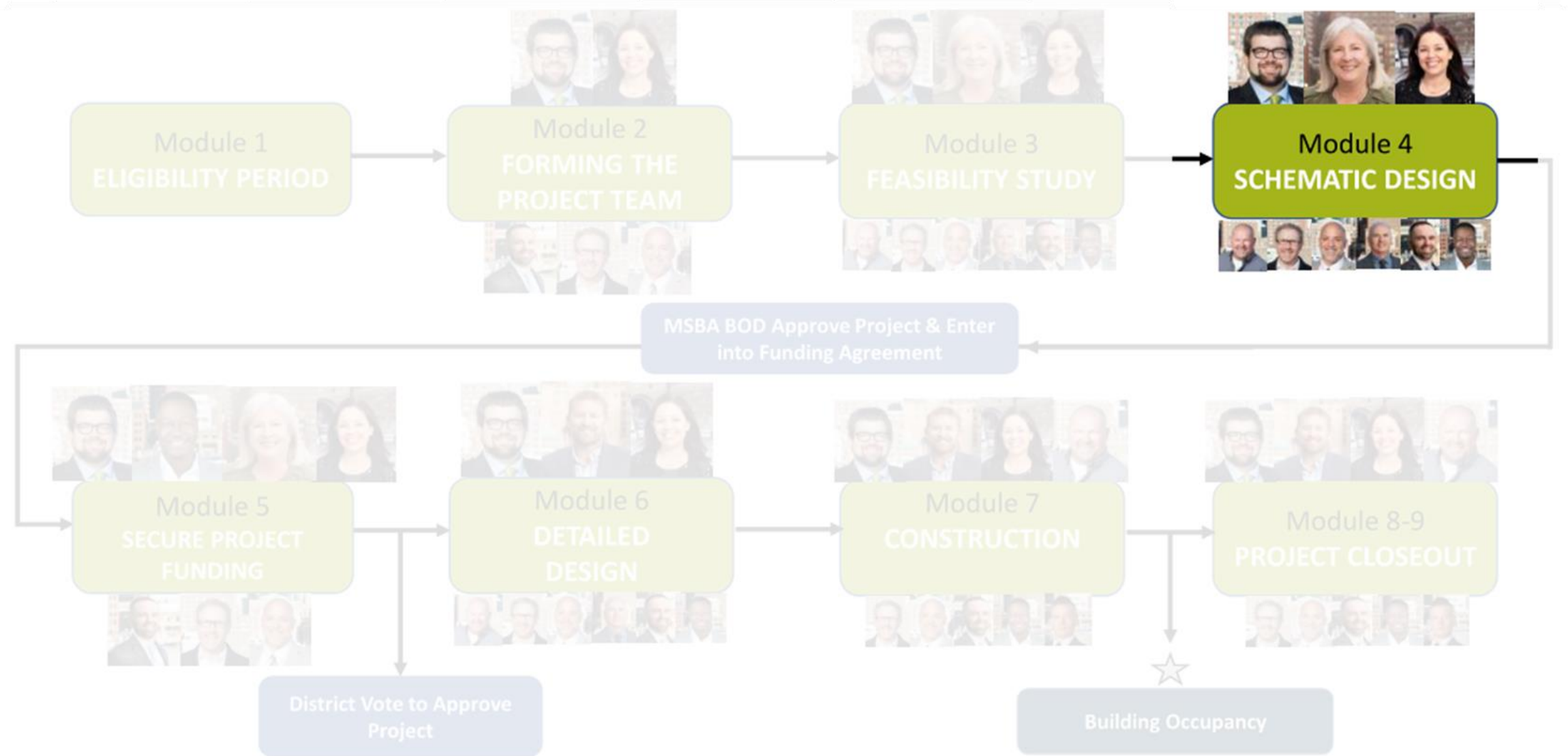
CIVIC GOVERNANCE IN MODULE 3 - FEASIBILITY STUDY

- How educational visioning drives the design of a School project
- Site Selection
- Funding Capabilities



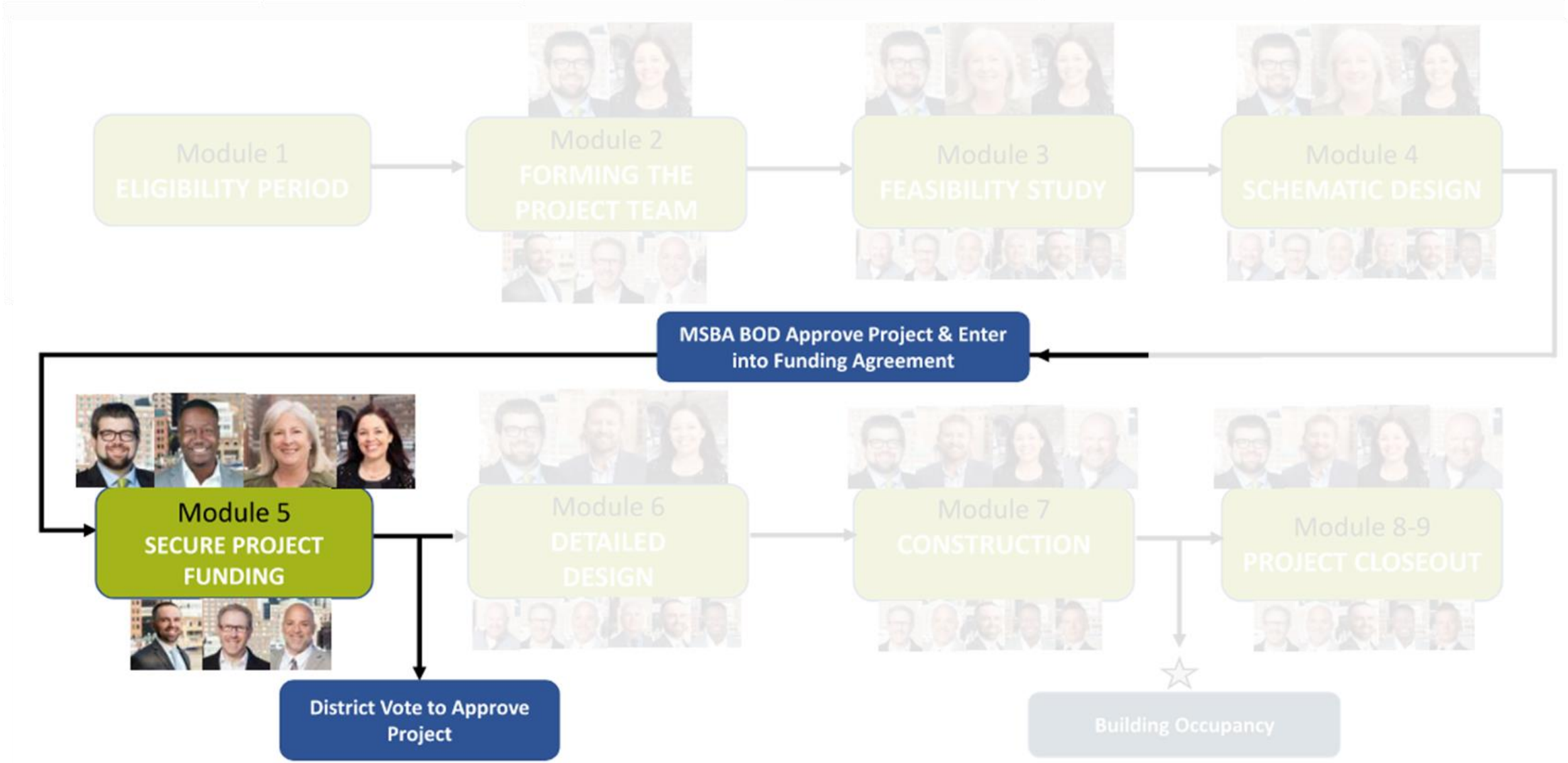
CIVIC GOVERNANCE IN MODULE 4 - SCHEMATIC DESIGN

- Establish construction delivery method (MGL Chapter 149 vs. 149a)
- Establishment of protocol for Project approval



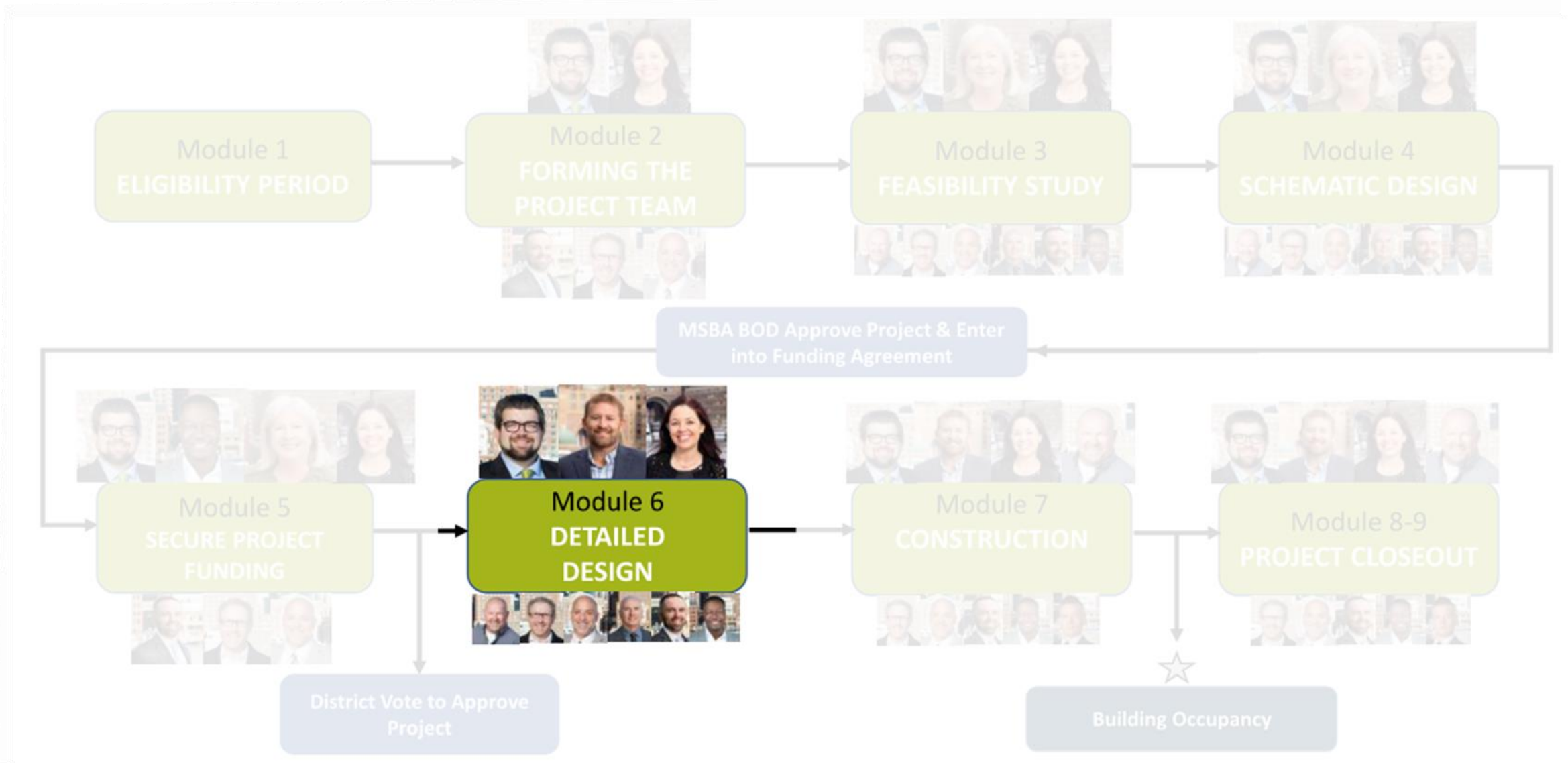
CIVIC GOVERNANCE IN MODULE 5 - FUNDING THE PROJECT

- Public outreach
- Get the Project passed!



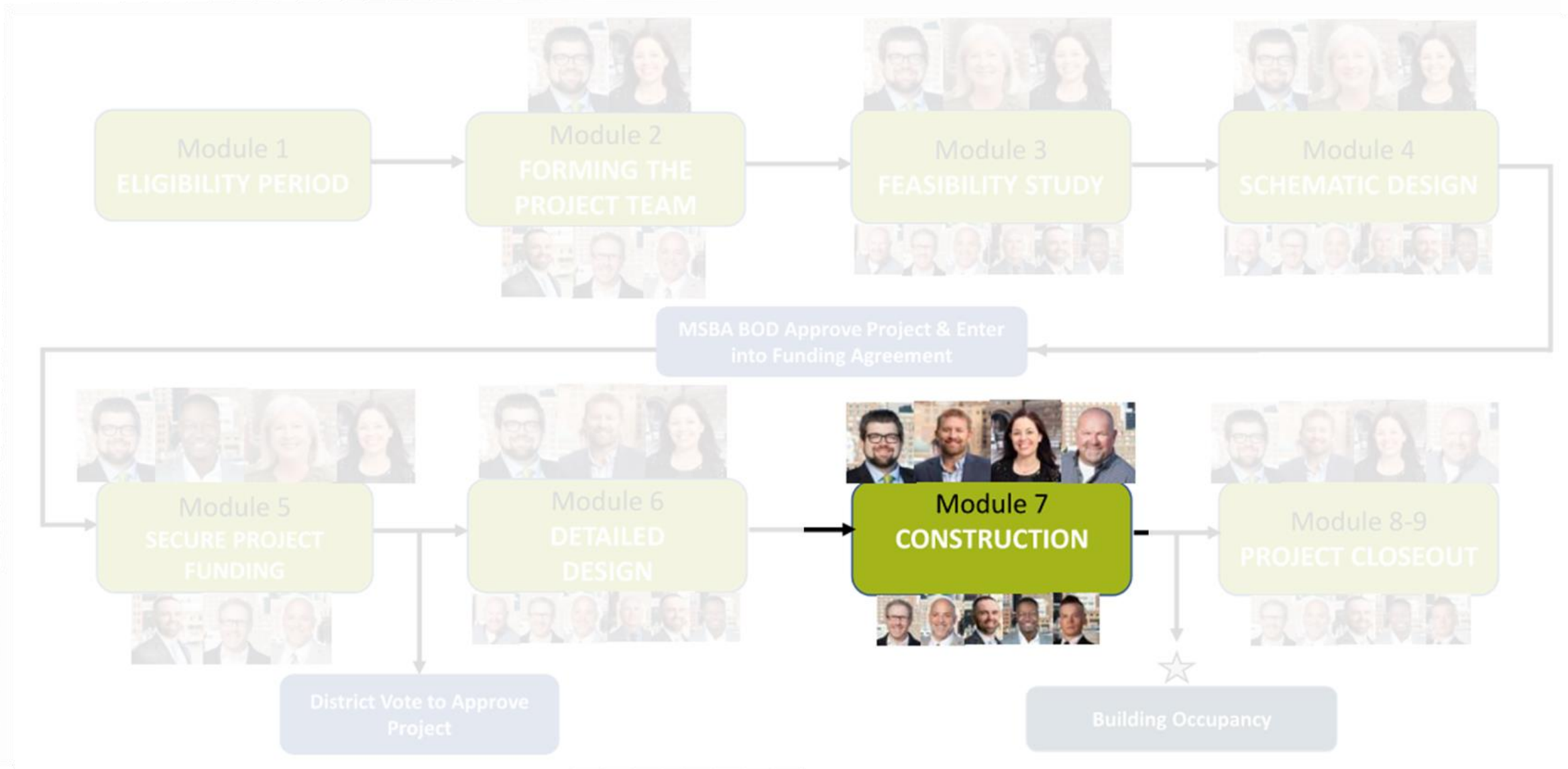
CIVIC GOVERNANCE IN MODULE 6 - DETAILED DESIGN

- Permitting
- Abutter outreach & general public communication of what's to come



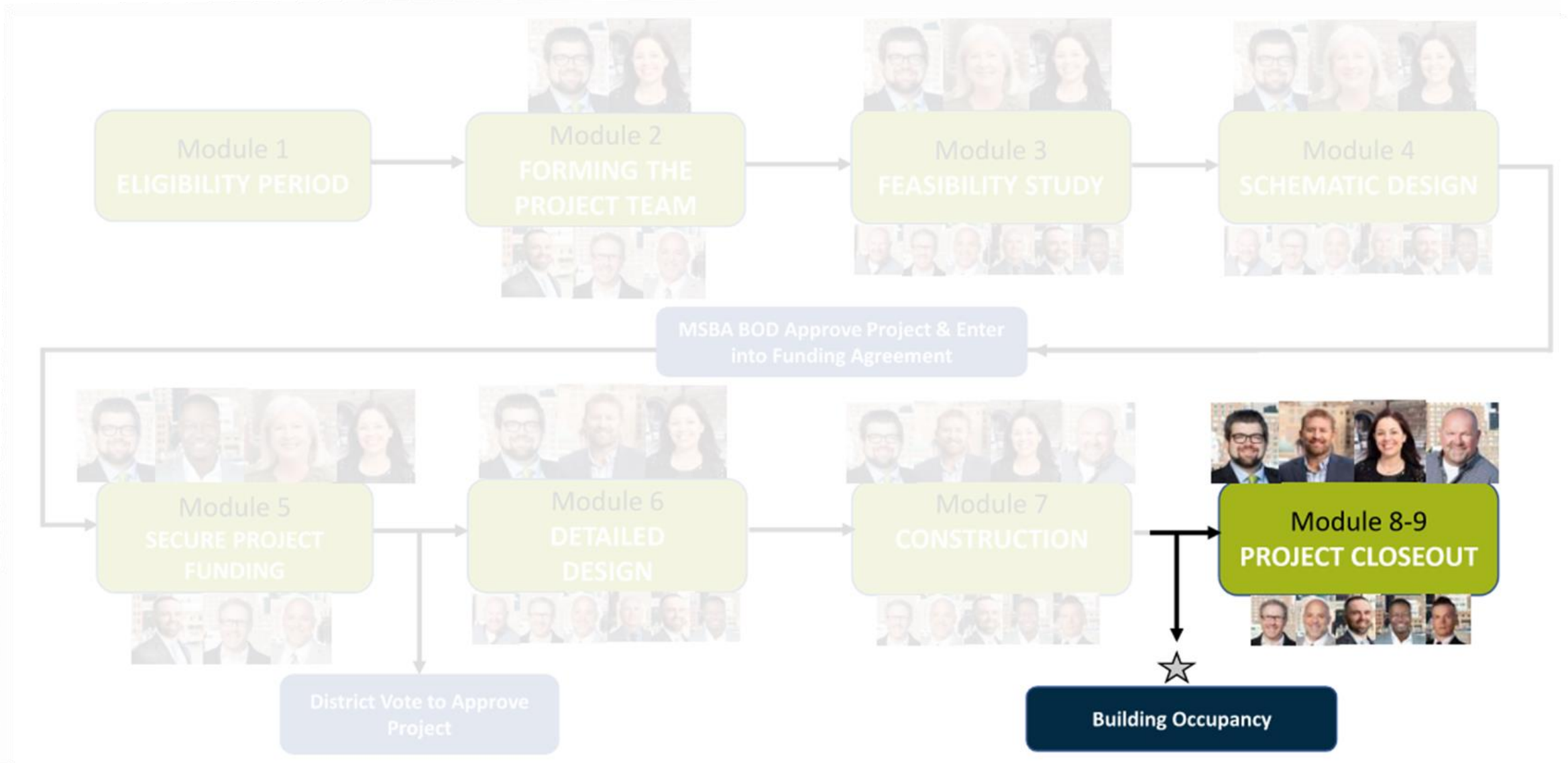
CIVIC GOVERNANCE IN MODULE 7 - CONSTRUCTION

- Oversight of process
- Coordinate w/ various involved vendors, inspectors, monitoring agencies

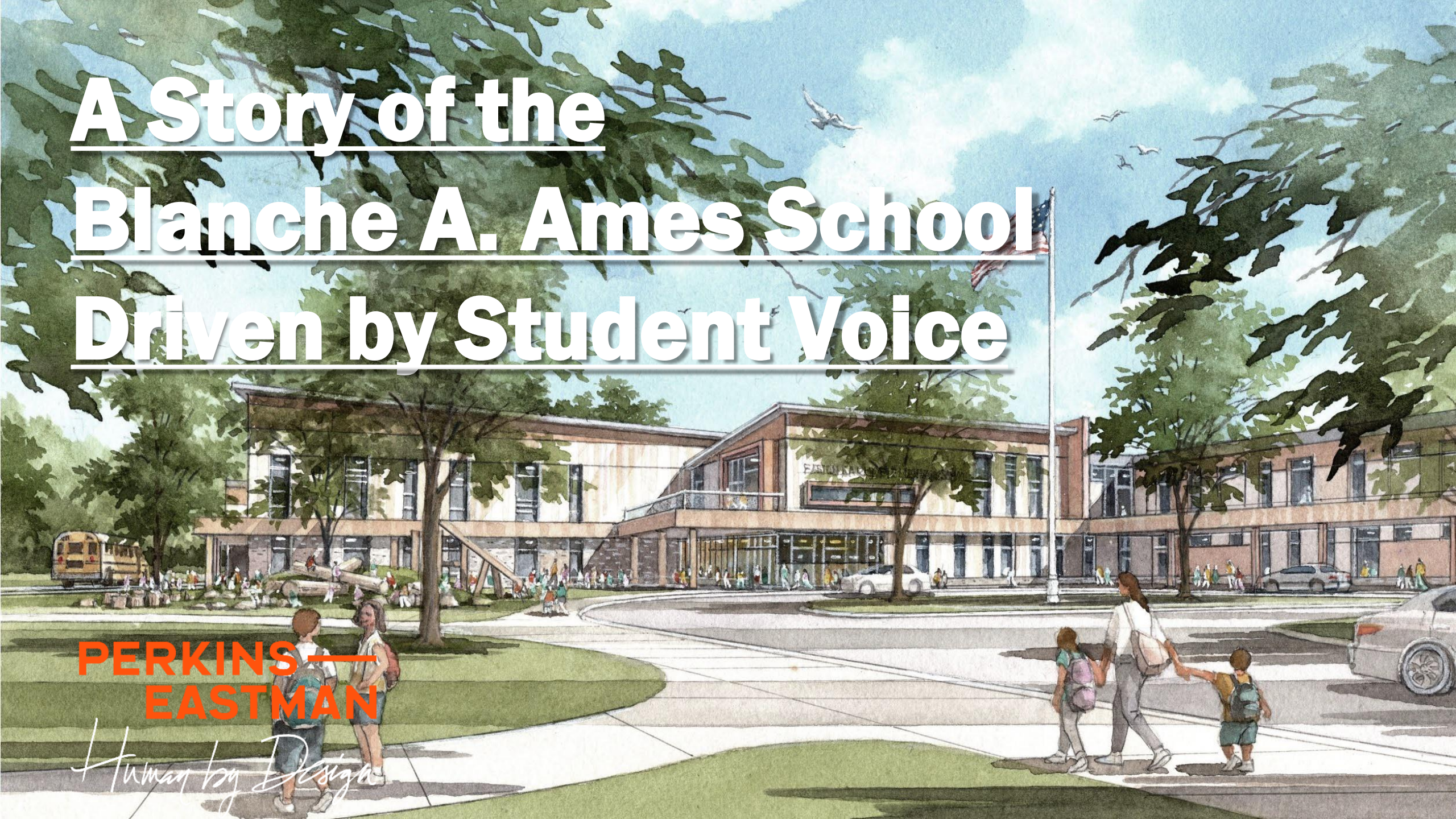


CIVIC GOVERNANCE IN MODULES 8 & 9 - CLOSEOUT

- Coordination of the move, commissioning, user follow-up, all issues large and small
- Prepare and execute Project financial audit with City/Town and MSBA



A Story of the Blanche A. Ames School Driven by Student Voice



PERKINS EASTMAN

Human by Design

The Journey

This is the story of how three neighborhood PK-2 schools unified to become The Blanche A. Ames Early Elementary School.

Who is Blanche A. Ames?

An artist. An inventor. A writer

A leader of the Women's Suffrage Movement in Massachusetts

A visionary. A humanitarian. A leader.

A wife, mother, grandmother and friend.

"For her to have an idea was to act."

- Daughter of Blanche A. Ames

Six Oliver Ames High School Students:

- Kiersten Chan
- Anna Galer
- Olivia Pierce
- Haley Chan
- Emma Lawson
- Aeden Marcus

Design Goals

1 Foster Creativity & Learning Through Play

We know that students ages 4-8 (PK-2 ages) learn through play and inquiry; the design will support this age appropriate learning philosophy by providing opportunities to learn both in the classrooms but also throughout the building and site The design provides a unique opportunity to promote curiosity, think critically and exhibit resilience at an early age.

2 Outdoor Learning/Connections

Utilizing the sensory and evironmental theses, the outdoor learning spaces will create endless opportunities for explorations, discovery, and project based learning. Using materials and aesthetic references that are reflective of Easton will deepen the connection to the Town's history and community at large.

"Our Perkins Eastman team has done a wonderful job designing the future Blanche A. Ames Elementary School to be responsive to how our youngest students learn, as well as incorporate meaningful elements to pay tribute to the town and the school's namesake."

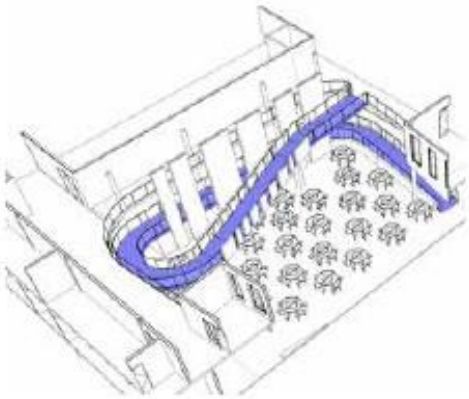
-Superintendent Lisha Cabral

3 Age Appropriate/Scaled

Each classroom cluster will have a theme tied to the history of Easton, will be color coded and have fun graphics to identify. Counting, manipulating, drawing, measuring and much more will all be promoted as the students' journey throughout the building. Numbered steps, magnetic walls, rulers and so much more will be provided to embrace curiosity, think critically and develop relationships.

4 Celebrate the Legacy of Blanche A. Ames

Easton resident Blanche A. Ames (1878 - 1969) was known as a longtime supporter of women's right to vote – marching with her husband, Oakes Ames, drawing political cartoons and organizing supporters at her Easton home. She was also an artist and an inventor who held several patents including one for entrapping enemy aircraft. She designed the Ames Mansion in what is now Borderland State Park, where she and Oakes raised their family. Ames also supported reproductive rights, becoming the first president of the Birth Control League of Massachusetts in 1916



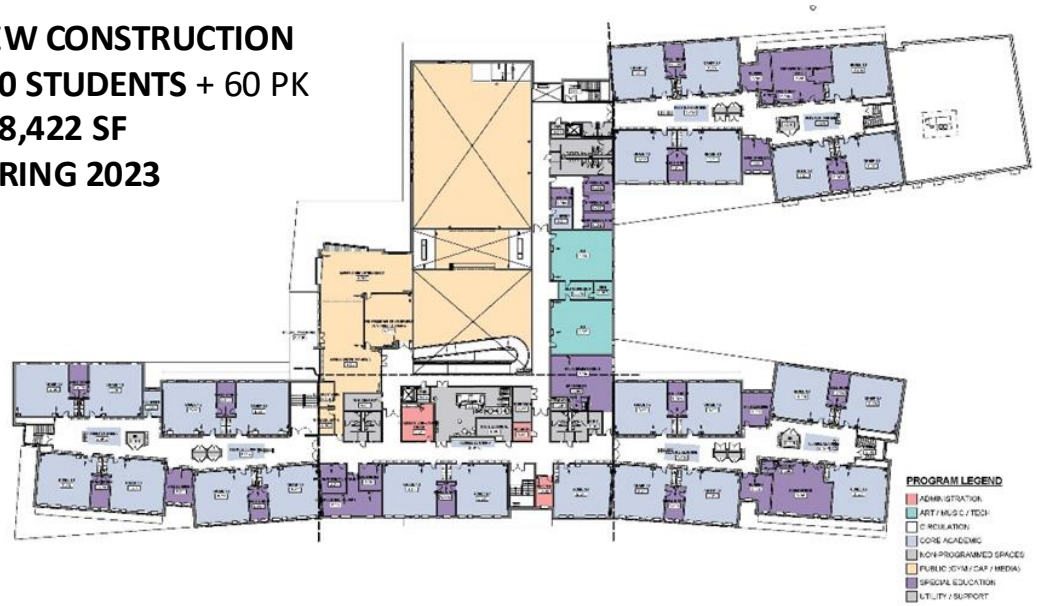
5 Univeral Design for All

The design team believes we can push this design beyond accessibility and embrace Universal Design principles. One example of this is a wide accessible ramp connecting the main floor to the upper floor and celebrates the journey for these young learners to travel throughout the building. All students will use the same journey to get upstairs and down and reinforces the principle of equitable use.

Site & Building Plans

- **NEW CONSTRUCTION**
- **760 STUDENTS** + 60 PK
- **148,422 SF**
- **SPRING 2023**

SITE PLAN



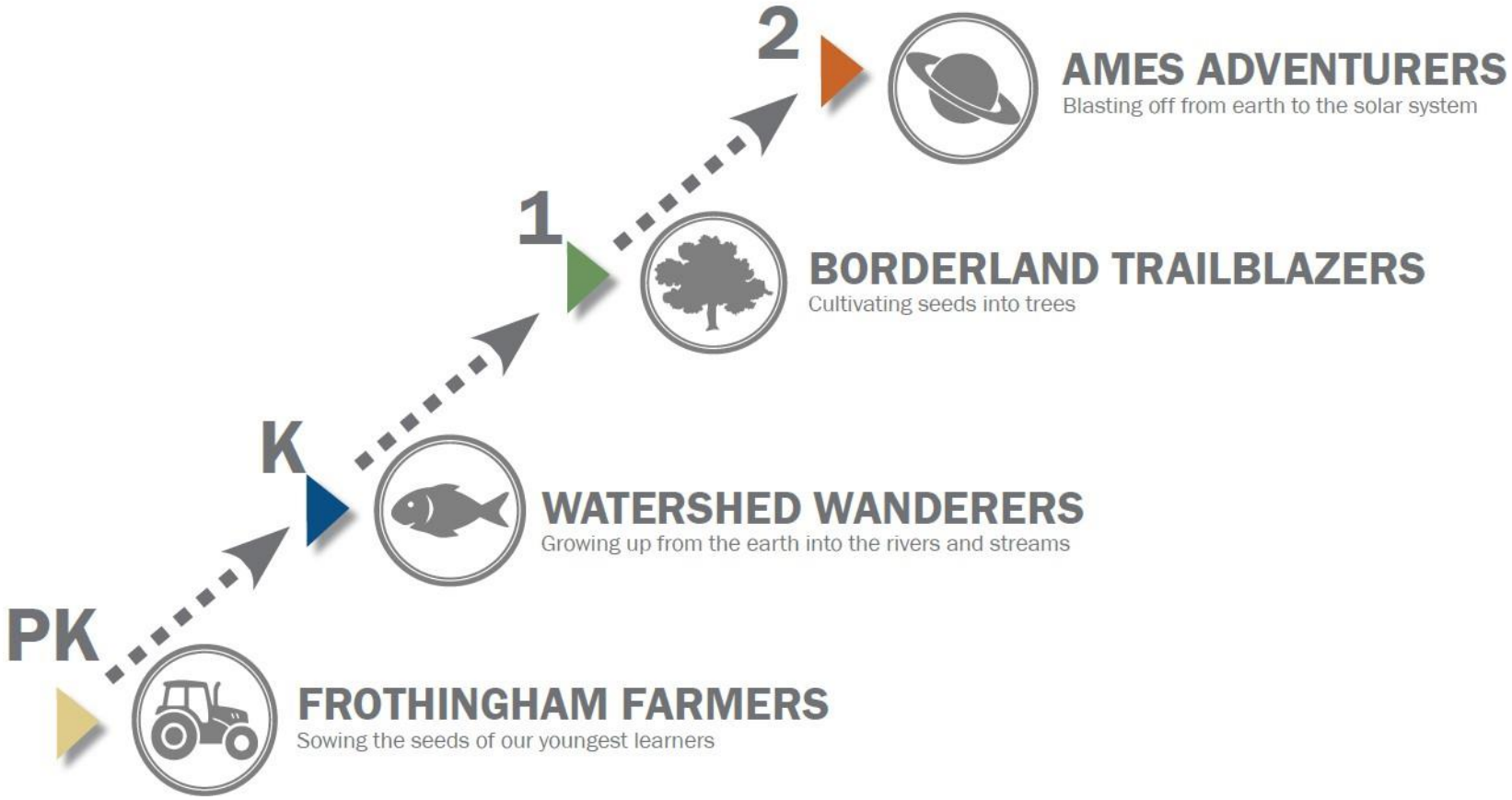
SECOND FLOOR PLAN

FIRST FLOOR PLAN

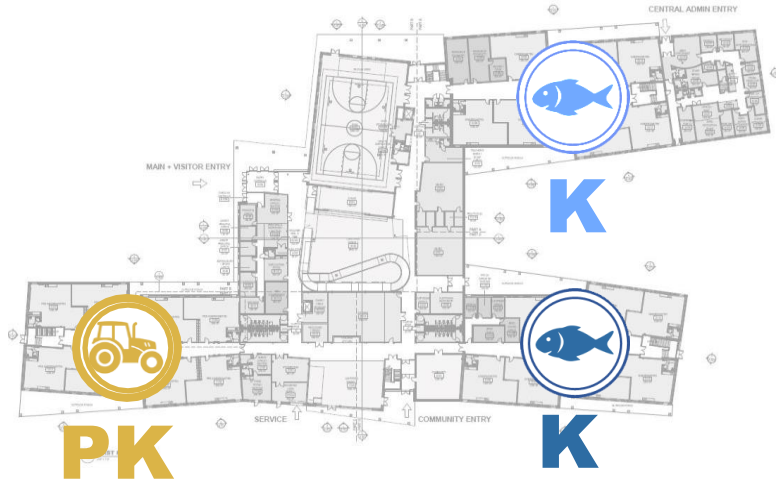
School Design Themes

ACHIEVER'S JOURNEY

INTERIOR CONCEPT

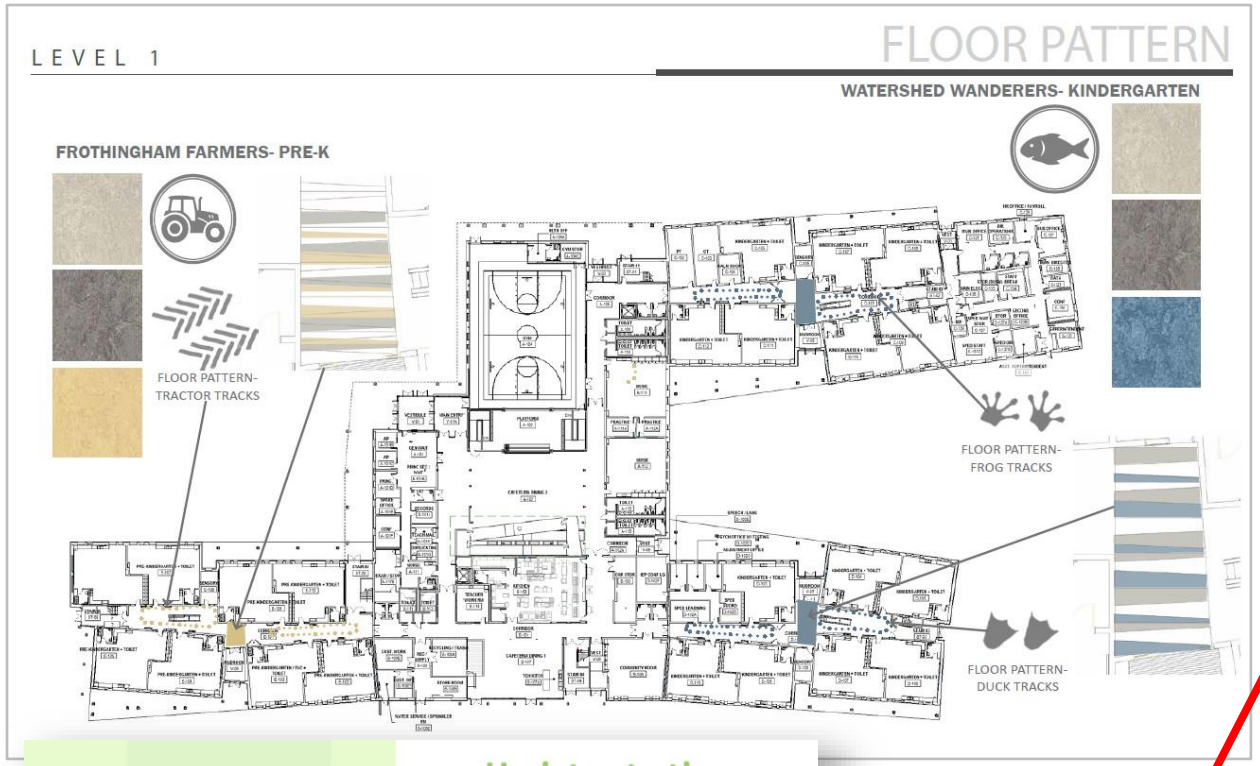


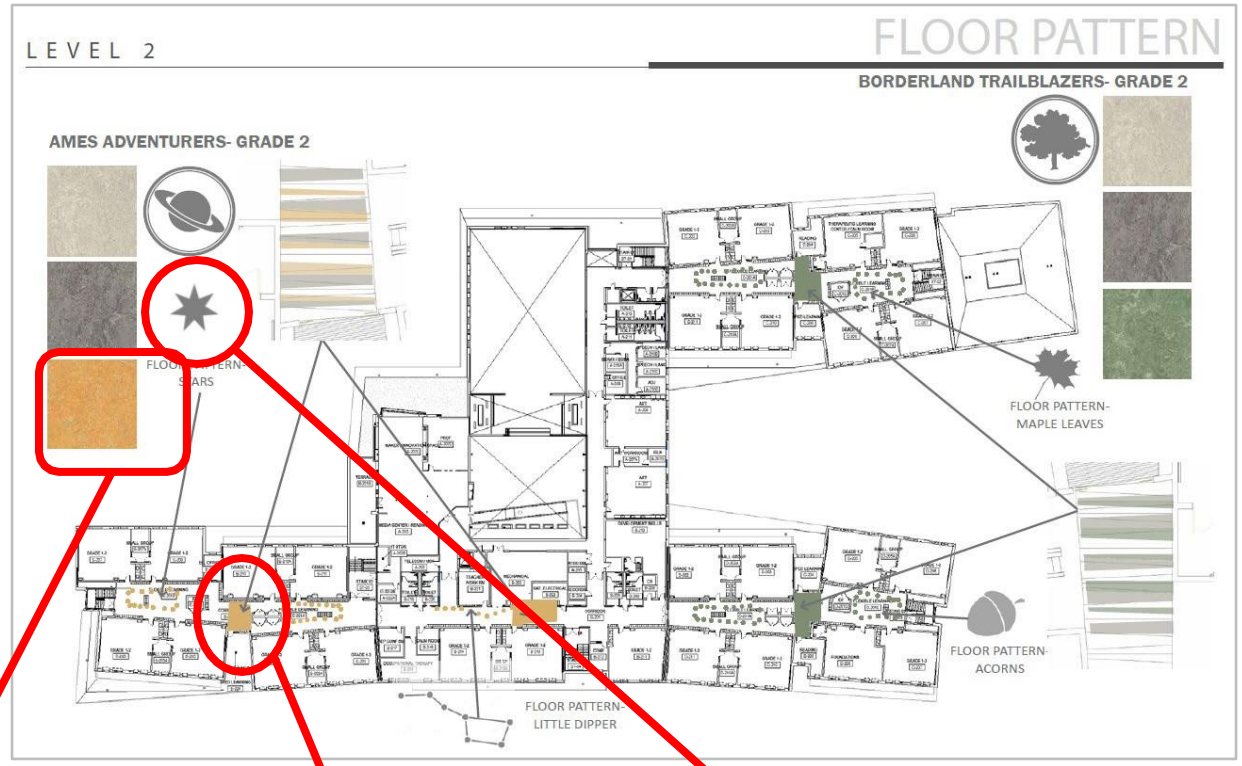
SECOND FLOOR PLAN



FIRST FLOOR PLAN

Corridor Design



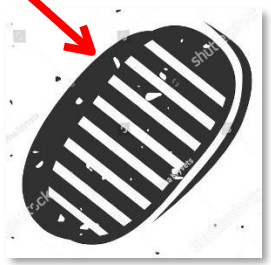


Updates to the hallways

- Astronaut feet instead of stars
  - purple coloring instead of orange for space themes
- Deer or bear feet instead of acorns
- Possible painted ceilings?
  - Fit with 4 themes
  - Could definitely enlist art students
    - Community project

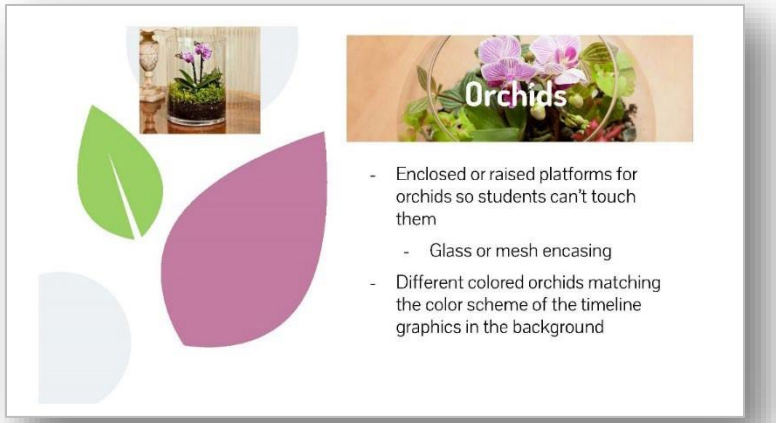
FROM ORANGE TO PURPLE ACCENT COLOR

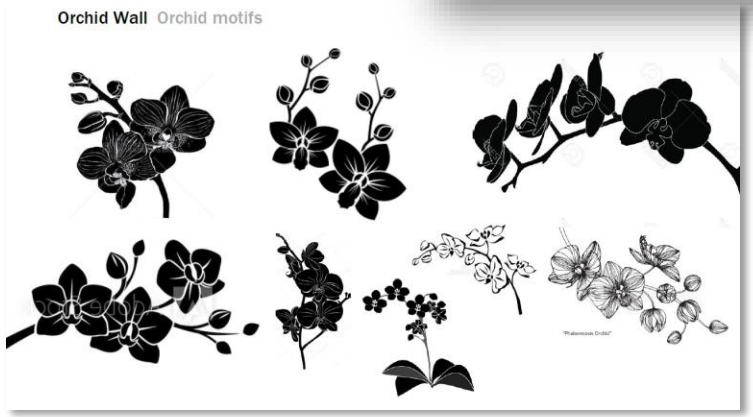
FROM WOOD TO GWB FOR FUTURE STUDENT MURALS

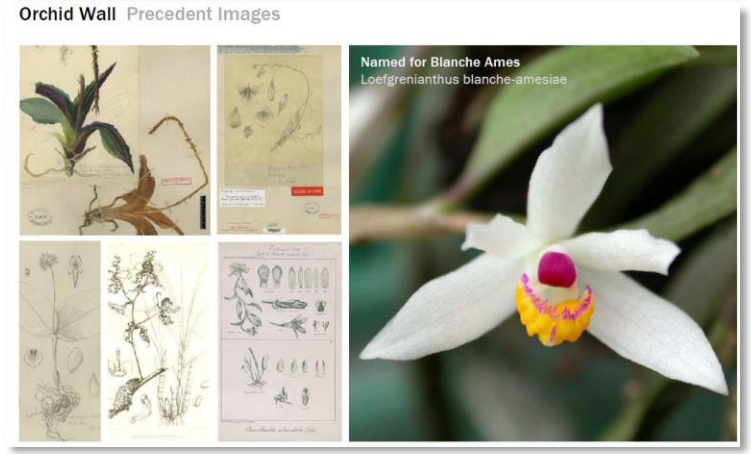


FROM STAR TO ASTRONAUT FOOTPRINT

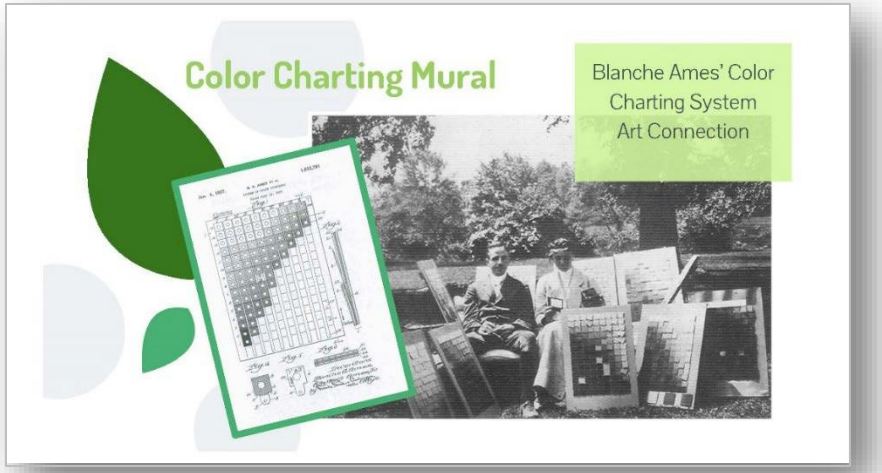
Orchid

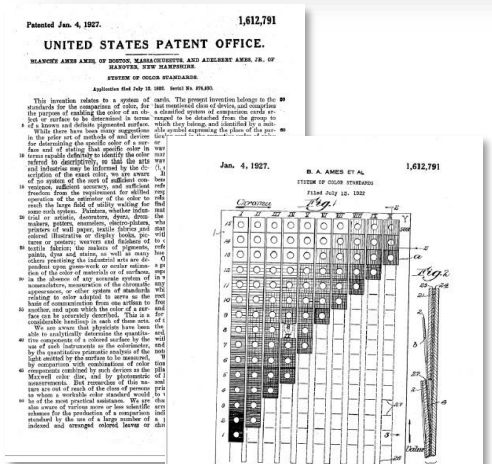

Orchids
- Enclosed or raised platforms for orchids so students can't touch them
  - Glass or mesh encasing
- Different colored orchids matching the color scheme of the timeline graphics in the background


Orchid Wall Orchid motifs


Orchid Wall Precedent Images
Named for Blanche Ames
Loefgrenianthus blanche-amesiae

Color Chart





Patented Jan. 4, 1927. 1,612,791

UNITED STATES PATENT OFFICE.

BLANCHE AMES AMES, OF BOSTON, MASSACHUSETTS, AND ALBERT AMES, JR., OF HANOVER, NEW HAMPSHIRE.

SYSTEM OF COLOR STANDARDS.

Application filed July 12, 1922. Serial No. 574,690.

This invention relates to a system of standards for the comparison of color, for the purpose of ranking the color of an object or surface to be determined in terms of the standards and thereby identifying it.

While there have been many suggestions in the prior art of methods of and devices for determining the specific color of a surface and of stating that specific color in terms capable definitely to identify the color referred to descriptively, so that the arts and industries may be informed by the description of the exact color, we are aware of no system which has been capable of extensive, sufficient accuracy, and sufficient freedom from the requirement for skilled operation of the estimator of the color to reach the large field of utility waiting for some such system. Painters, whether industrial or artistic, decorators, dyers, draughtsmen, printers, manufacturers of textiles, of wall paper, textile fabrics and colored illustrations or display books, pictures or posters; weavers and finishers of textile fabrics; the makers of pigments, paints, dyes and stains, as well as many others practising the industrial arts are dependent upon piece-work or similar estimation of the color of materials or of surfaces; nomenclature, nomenclators, nomenclatures, nomenclatists of the chromatic appearances, or other system of standards relating to color adapted to serve as the basis of communication from one artisan to another, and upon which the color of a surface can be accurately described. This is a condition which has long been felt, and which has been met by physicists here and there, who have been able to analytically determine the quantitative components of a colored surface by the use of such instruments as the colorimeter, by the quantitative prismatic analysis of the light emitted by the surface to be measured, by comparison with combinations of color components combined by such devices as the tintometer, and by other more elaborate measurements. But examples of this nature are out of reach of the class of persons to whom a workable color standard would be of the most practical assistance. We are also aware of various more or less scientific schemes for the production of a comparison standard by the use of a large number of indexed and arranged colored leaves or cards. The present invention belongs to the last mentioned class of devices, and comprises a classified system of comparison cards arranged to be detached from the group to which they belong, and to be used in the manner hereinafter described. The objects of the invention are to provide

Jan. 4, 1927. B. A. AMES ET AL. 1,612,791

SYSTEM OF COLOR STANDARDS

Filed July 12, 1922

Fig. 1

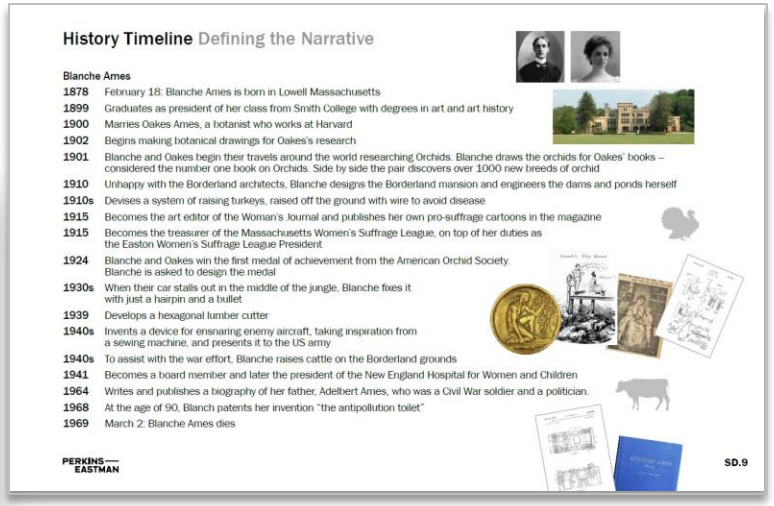
Fig. 4 Fig. 5 Fig. 6

Inventors: Blanche A. Ames, Albert Ames Jr.

Legacy Timeline

Blanche Ames Timeline

- Timeline with simple sentences on the ramp floor and more detailed descriptions on the wall
- Lines can connect corresponding flaps on the ramp wall to the dates on the ramp floor
- Modern color scheme w/black and white historical photos (under the flaps)

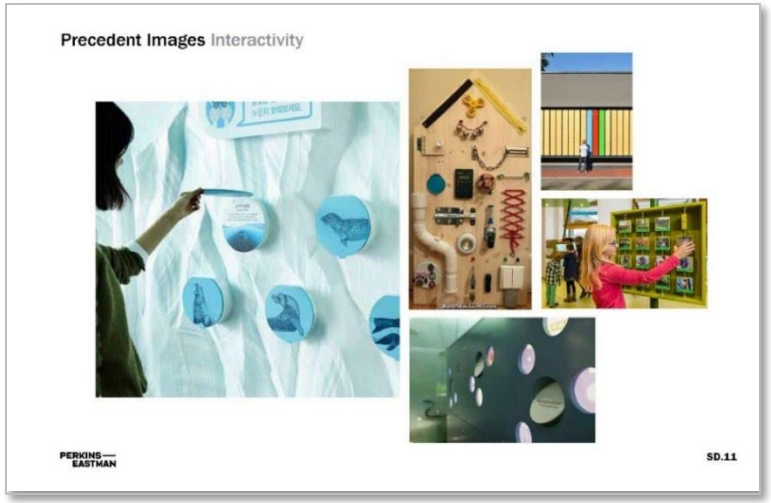


History Timeline Defining the Narrative

Blanche Ames

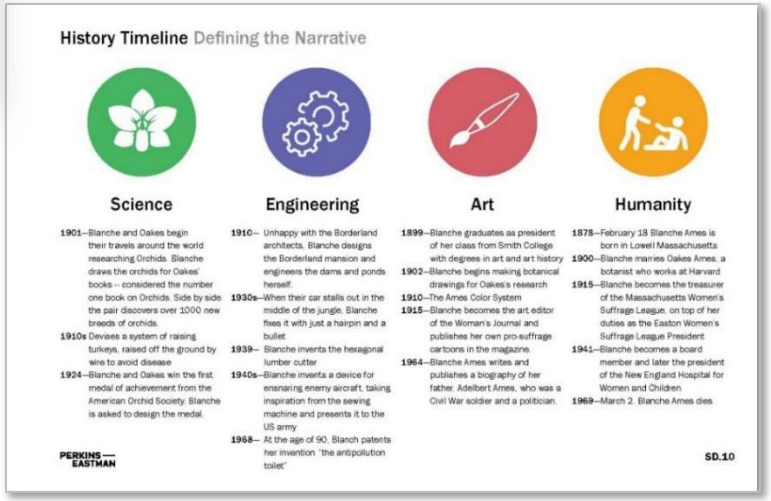
1878 February 18: Blanche Ames is born in Lowell Massachusetts
1899 Graduates as president of her class from Smith College with degrees in art and art history
1900 Marries Oakes Ames, a botanist who works at Harvard
1902 Begins making botanical drawings for Oakes's research
1901 Blanche and Oakes begin their travels around the world researching Orchids. Blanche draws the orchids for Oakes' books -- considered the number one book on Orchids. Side by side the pair discovers over 1000 new breeds of orchid
1910 Unhappy with the Borderland architects, Blanche designs the Borderland mansion and engineers the dams and ponds herself
1910s Devises a system of raising turkeys, raised off the ground with wire to avoid disease
1915 Becomes the art editor of the Woman's Journal and publishes her own pro-suffrage cartoons in the magazine
1915 Becomes the treasurer of the Massachusetts Women's Suffrage League, on top of her duties as the Easton Women's Suffrage League President
1924 Blanche and Oakes win the first medal of achievement from the American Orchid Society. Blanche is asked to design the medal
1930s When their car stalls out in the middle of the jungle, Blanche fixes it with just a hairpin and a bullet
1939 Develops a hexagonal lumber cutter
1940s Invents a device for ensnaring enemy aircraft, taking inspiration from a sewing machine, and presents it to the US army
1940s To assist with the war effort, Blanche raises cattle on the Borderland grounds
1941 Becomes a board member and later the president of the New England Hospital for Women and Children
1964 Writes and publishes a biography of her father, Adelbert Ames, who was a Civil War soldier and a politician.
1968 At the age of 90, Blanch patents her invention "the antipollution toilet"
1969 March 2: Blanche Ames dies

PERKINS EASTMAN SD.9



Precedent Images Interactivity

PERKINS EASTMAN SD.11



History Timeline Defining the Narrative

Science

1901—Blanche and Oakes begin their travels around the world researching Orchids. Blanche draws the orchids for Oakes' books -- considered the number one book on Orchids. Side by side the pair discovers over 1000 new breeds of orchids.
1910s Devises a system of raising turkeys, raised off the ground by wire to avoid disease
1924—Blanche and Oakes win the first medal of achievement from the American Orchid Society. Blanche is asked to design the medal.

Engineering

1910— Unhappy with the Borderland architects, Blanche designs the Borderland mansion and engineers the dams and ponds herself.
1930s—When their car stalls out in the middle of the jungle, Blanche fixes it with just a hairpin and a bullet.
1939— Blanche invents the hexagonal lumber cutter
1940s—Blanche invents a device for ensnaring enemy aircraft, taking inspiration from the sewing machine and presents it to the US army
1968— At the age of 90, Blanch patents her invention "the antipollution toilet"

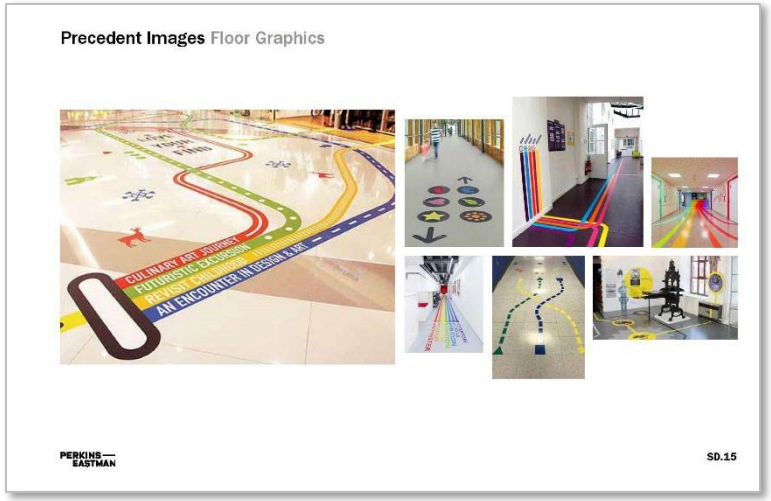
Art

1899—Blanche graduates as president of her class from Smith College with degrees in art and art history
1902—Blanche begins making botanical drawings for Oakes's research
1910—The Ames Color System
1915—Blanche becomes the art editor of the Woman's Journal and publishes her own pro-suffrage cartoons in the magazine.
1964—Blanche Ames writes and publishes a biography of her father, Adelbert Ames, who was a Civil War soldier and a politician.

Humanity

1878—February 18 Blanche Ames is born in Lowell Massachusetts
1900—Blanche marries Oakes Ames, a botanist who works at Harvard
1915—Blanche becomes the treasurer of the Massachusetts Women's Suffrage League, on top of her duties as the Easton Women's Suffrage League President
1941—Blanche becomes a board member and later the president of the New England Hospital for Women and Children
1969—March 2. Blanche Ames dies

PERKINS EASTMAN SD.10



Precedent Images Floor Graphics

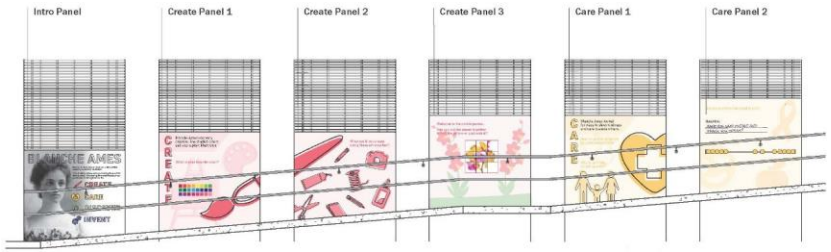
PERKINS EASTMAN SD.15

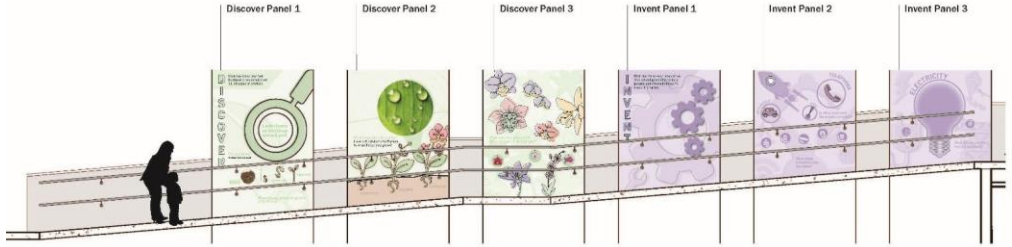
CREATE

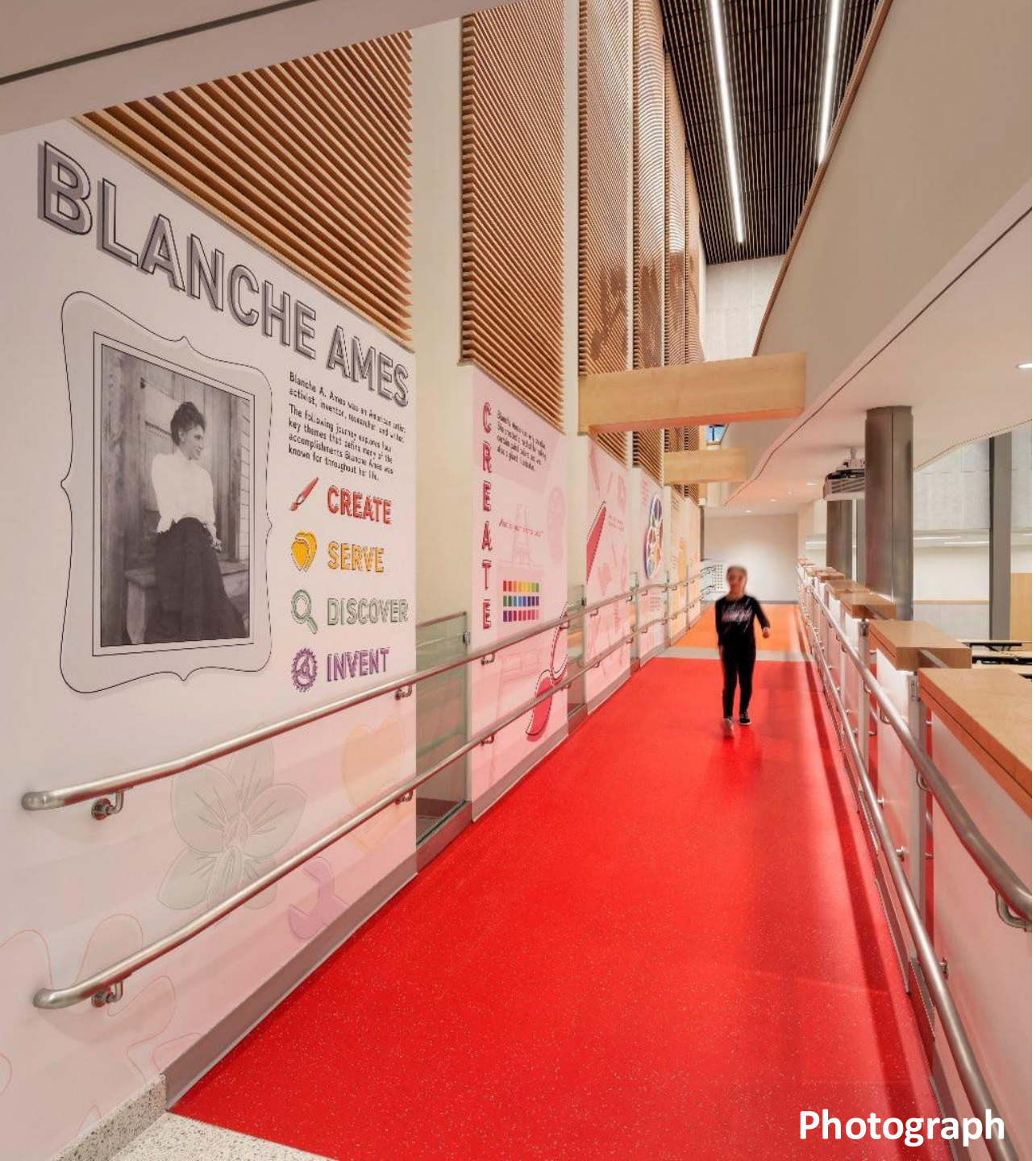
CARE

DISCOVER

INVENT







Legacy Wall Panels

Legacy Pictograms & Fun Facts

Interactive Learning Elements

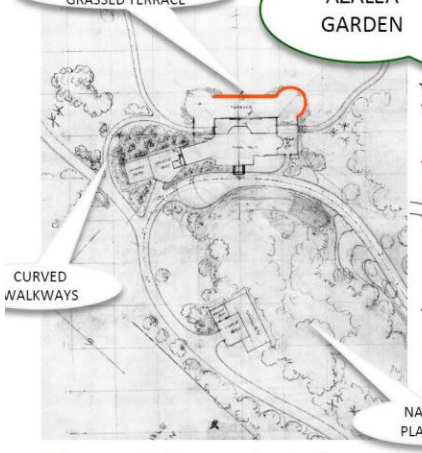

BLANCHE AMES
CREATE
SERVE
DISCOVER
CREATE
SERVE

Outdoor Elements- Map of Easton

THE "HIDE AND SEEK" GARDEN

A SENSORY GARDEN AT EASTON ELEMENTARY SCHOOL

Designed to surprise and delight through the creation of a sequence of sensory spaces and experiences that appear at every turn. Vegetated as a habitat for birds and butterflies the garden becomes a fully immersive educational experience for students



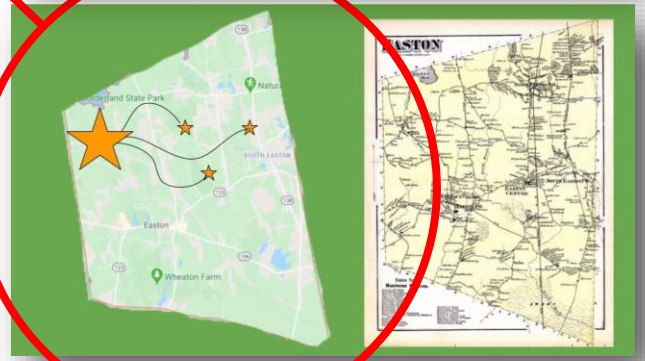
The organically sweeping pathways, naturalistic plantings, recreational lawns and semi-circular grassed outdoor classrooms are inspired by the iconic Olmstead designed landscapes of Easton. A diversity of spaces promote moments of quite while others encourage activity and sensory rich play

PERKINS EASTMAN EASTON EARLY ELEMENTARY SCHOOL PROJECT

TRAVERSE 1

Homage to 3 prior elementary schools

- Painted Town map on the ground
  - Outside in main entrance way or just inside building
- Three stars where 3 schools were and larger star/symbol to connect them (with word in it?)
- Potentially also use as a teaching opportunity about Easton? Highlight key locations: Library, Borderland, Governor Ames estate, Langwater, etc.



Outdoor Elements- Sensory Garden

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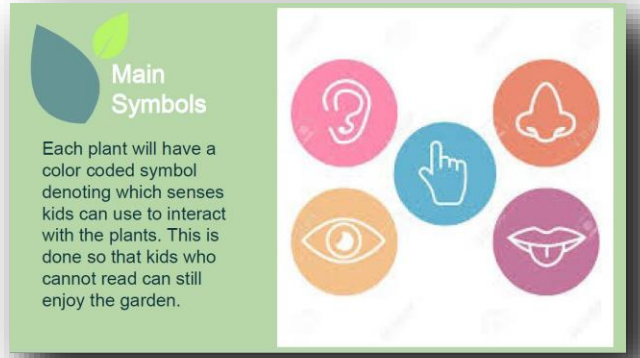
PERKINS EASTMAN EASTON EARLY ELEMENTARY SCHOOL PROJECT

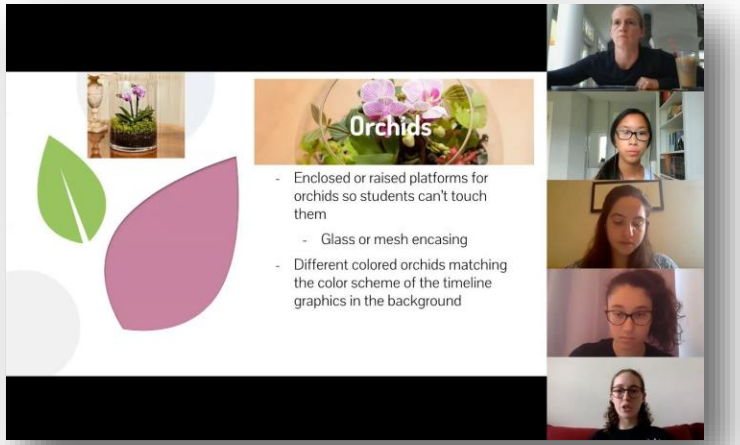
TRAVERSE 1




The sensory garden. What can you hear, smell, see, taste, and touch?
HIDE AND SEEK
GARDEN

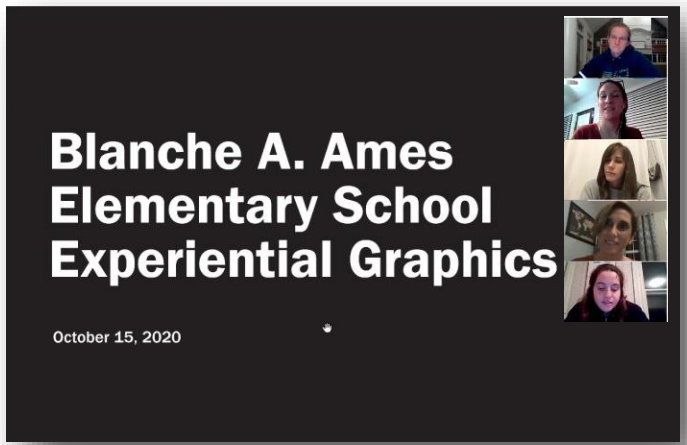
Meeting Timeline

JULY 09, 2020 — DESIGN DEVELOPMENT



JULY 15, 2020 — CONSTRUCTION DOCUMENTS

OCTOBER 15, 2020



MARCH 30, 2021 — GROUNDBREAKING CEREMONY

APRIL 15, 2021

MAY 20, 2021

“ There was applause at the Ground-breaking Ceremony for our Student Involvement. **I really felt respected in that moment because they DID LISTEN to our ideas.”**

Aeden Marcus- Oliver Ames High School Senior; WBZ Radio Interview

“I’m so grateful I got to work with these professionals.... in the back of my mind I thought ‘oh sure you want to hear from us’ but they **ACTUALLY DID LISTEN and valued the things we had to say.”**

Anna Galer - Oliver Ames High School Senior; WBZ Radio Interview

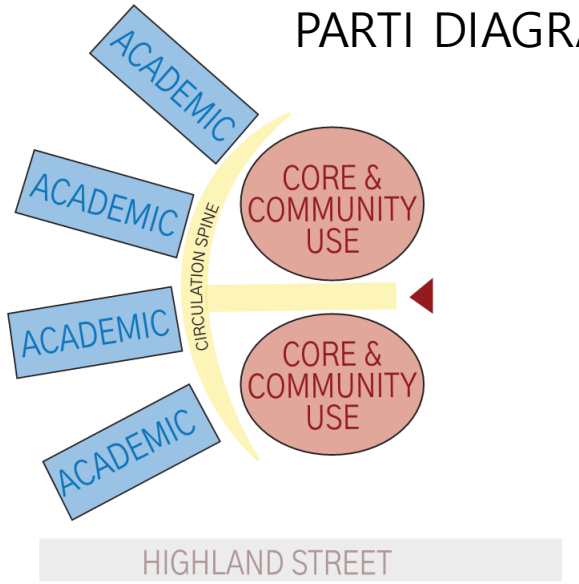
PERKINS — EASTMAN

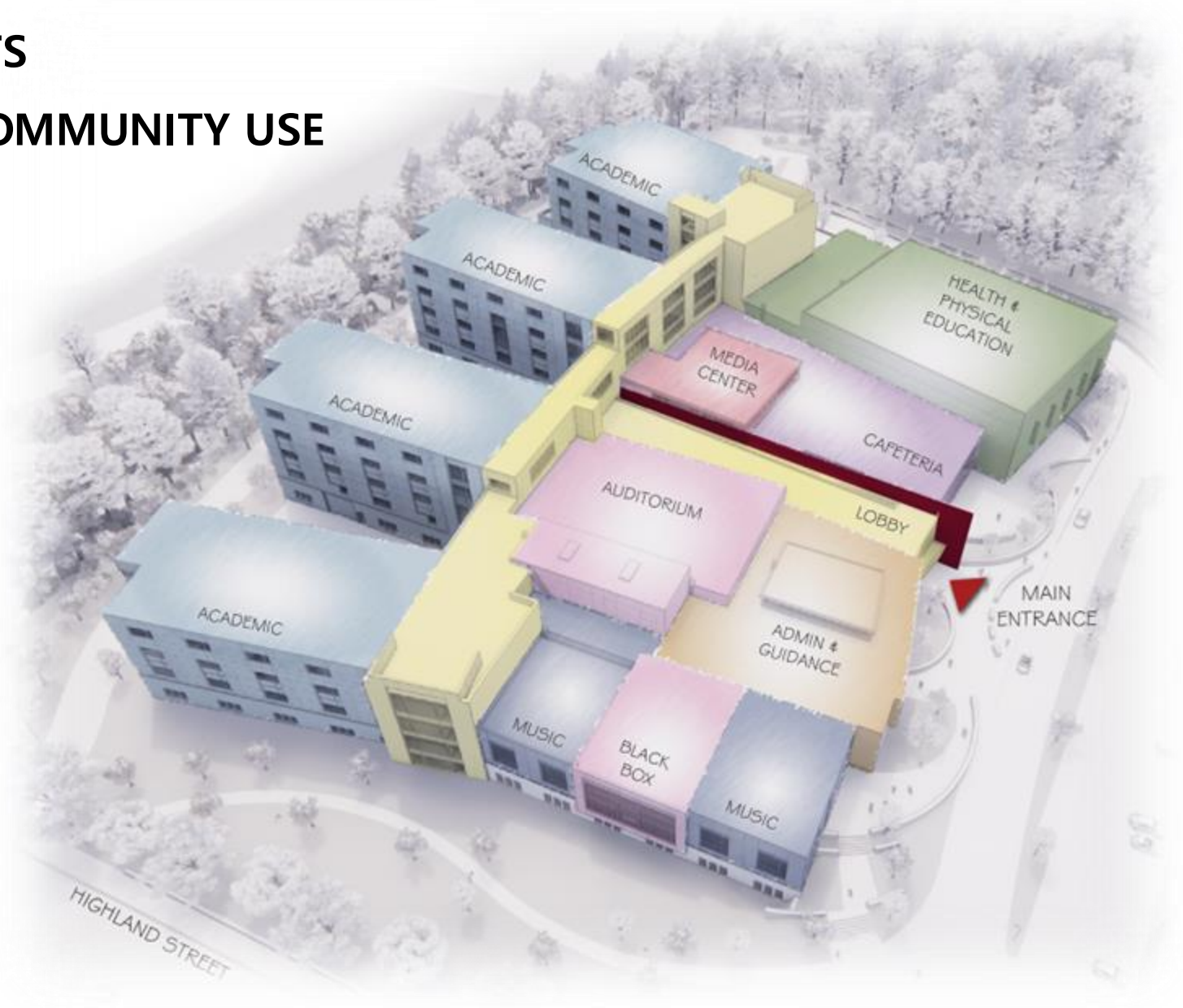

DOHERTY MEMORIAL HIGH SCHOOL

PROJECT STATISTICS

- **NEW CONSTRUCTION** ADJACENT TO THE EXISTING SCHOOL
- ENROLLMENT: **1670 STUDENTS**
- EXPANDED PROGRAM AND **COMMUNITY USE**
- AREA: +/- **422,000 SF**
- OCCUPANCY **FALL 2024**

PARTI DIAGRAM





LIVING LAB OPPORTUNITIES

- BUILD CAREER AWARENESS. DIVERSIFY STEM FIELDS, TRADES, ARCHITECTURE, AND ENGINEERING.
- STRENGTHEN LOCAL WORKFORCE PIPELINES
- SUPPORT CURRICULUM PRIORITIES WITH TARGETED STUDENT ENGAGEMENTS

GOALS

PROPOSED CHAPTER 74 PROGRAMS:

CHAPTER 74 PROGRAMS

WORCESTER PUBLIC SCHOOLS

Massachusetts Department of ELEMENTARY & SECONDARY EDUCATION

CTE® Learning that works for Massachusetts

ENGINEERING & TECHNOLOGY ACADEMY

Enrollment: 400 Students (Existing to be expanded)

MARKETING MANAGEMENT & FINANCE

Enrollment: 200 Students

PROGRAMMING & WEB DEVELOPMENT

Enrollment: 200 Students

CONSTRUCTION CRAFT LABORER

Enrollment: 150 Students

ADVANCED ACADEMY IN BIOTECHNOLOGY

Enrollment: 200 Students

SCHEDULE

2022 | 2023 | 2024 | 2025

J F M A M J J A S O N D | J F M A M J J A S O N D | J F M A M J J A S O N D | J F M A M J J A S O N D

CONCRETE & STEEL
FBI/BDI STRUCTURAL PRESENATION
SITE VISIT
ETA CLASS COLLABORATION
GEOTECHNICAL PRESENTATION

STRUCTURAL ENGINEER

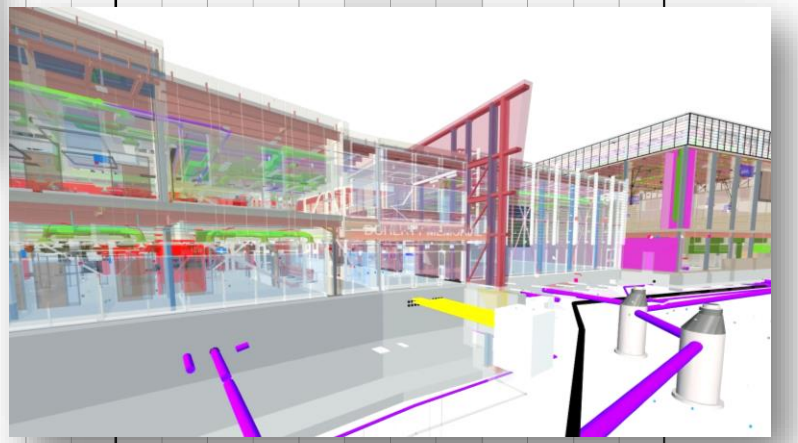
ROOFING

FIREPROOFING

MOCK-UP WALL

EXTERIOR FACADE
SITE VISITS
MASONRY / CURTAIN WALL / METAL PANEL
ENVELOPE OBSERVATION AND TESTING

ENVELOPE TESTING



BIM COORDINATION
BIM COORDINATION
PRESENTATION

BIM COORDINATOR PRESENTATION

MECHANICAL ELECTRICAL AND PLUMBING INSTALLATION
SITE VISITS
COLLABORATION WITH UNION REPRESENTATIVES
COMMISSIONING PRESENTATION
SUSTAINABLE DESIGN ANALYSIS

COMMISSIONING AGENT

INTERIOR FRAMING AND FINISHES
SITE VISITS
STUDENT PROJECTS (HISTORY WALL, CLASS DEDICATIONS)

SUSTAINABLE DESIGN

HVAC ENGINEER

FURNITURE
SITE VISITS

LANDSCAPE ARCH.

ACCESS AND PARKING FOR NEW SCHOOL

ABATE AND DEMO EXISTING BUILDING

FIELD AND SITE COMPLETION

JOB FAIR | JOB FAIR | JOB FAIR | NEW SCHOOL OCCUPANCY | JOB FAIR | PROJECT COMPLETION | JOB FAIR


AUTODESK AUTOCAD
AUTODESK REVIT
DRAFTING SOFTWARE
LIBRARY CLASSROOM
ABERCROMBIE & FITCH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+DIMEO


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FONTAINE

LESSONS LEARNED

✓ A DESIGN AND CONSTRUCTION TEAM-UP WILL REACH MORE STUDENTS

DESIGN, ENGINEERING AND CONSTRUCTION TEAM COLLABORATION ALLOWED US TO REACH MORE STUDENTS AND TO GIVE A COMPREHENSIVE PICTURE OF THE PROJECT AND JOB OPPORTUNITIES FROM CONCEPTION TO COMPLETION.

✓ TIME INVESTMENT UP-FRONT

EXPECT GREATER TIME INVESTMENT AT FIRST TO ESTABLISH THESE RELATIONSHIPS AND BUILD UP MEANINGFUL PRESENTATIONS.

✓ DISTRICT-LEVEL SUPPORT IS VITAL

IN WORKING WITH THE TEACHERS, TIMING AND SCHEDULING CAN BE A CHALLENGE, SO IT HELPS TO HAVE STRONG SUPPORT AND REPRESENTATION AT THE DISTRICT LEVEL AS THESE PROGRAMS ARE ESTABLISHED.

✓ OPPORTUNITIES TO BE MORE HANDS-ON

FUTURE ENGAGEMENT SHOULD EXPAND TO INCLUDE DESIGN CHALLENGES, ESTIMATING EXERCISES, AND MORE HANDS-ON EXPERIENCES.

CAREERS IN CONSTRUCTION

Real Paths, Real Purpose

Todd McCabe

January 8, 2026

CONSIGLI

Est. 1905

Opportunities in the Industry

CONSIGLI
Est. 1905

The Mindset of a Builder

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Analytical

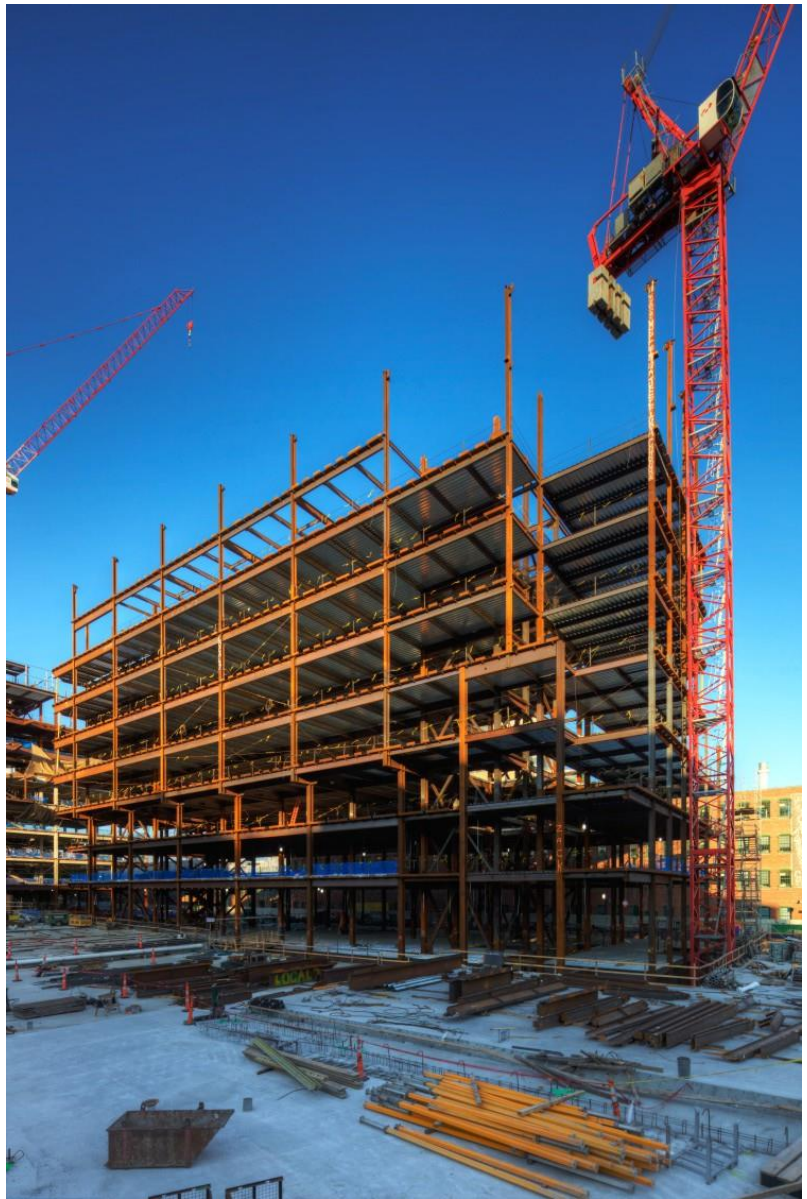
Self-motivated

Mathematical

Team-oriented

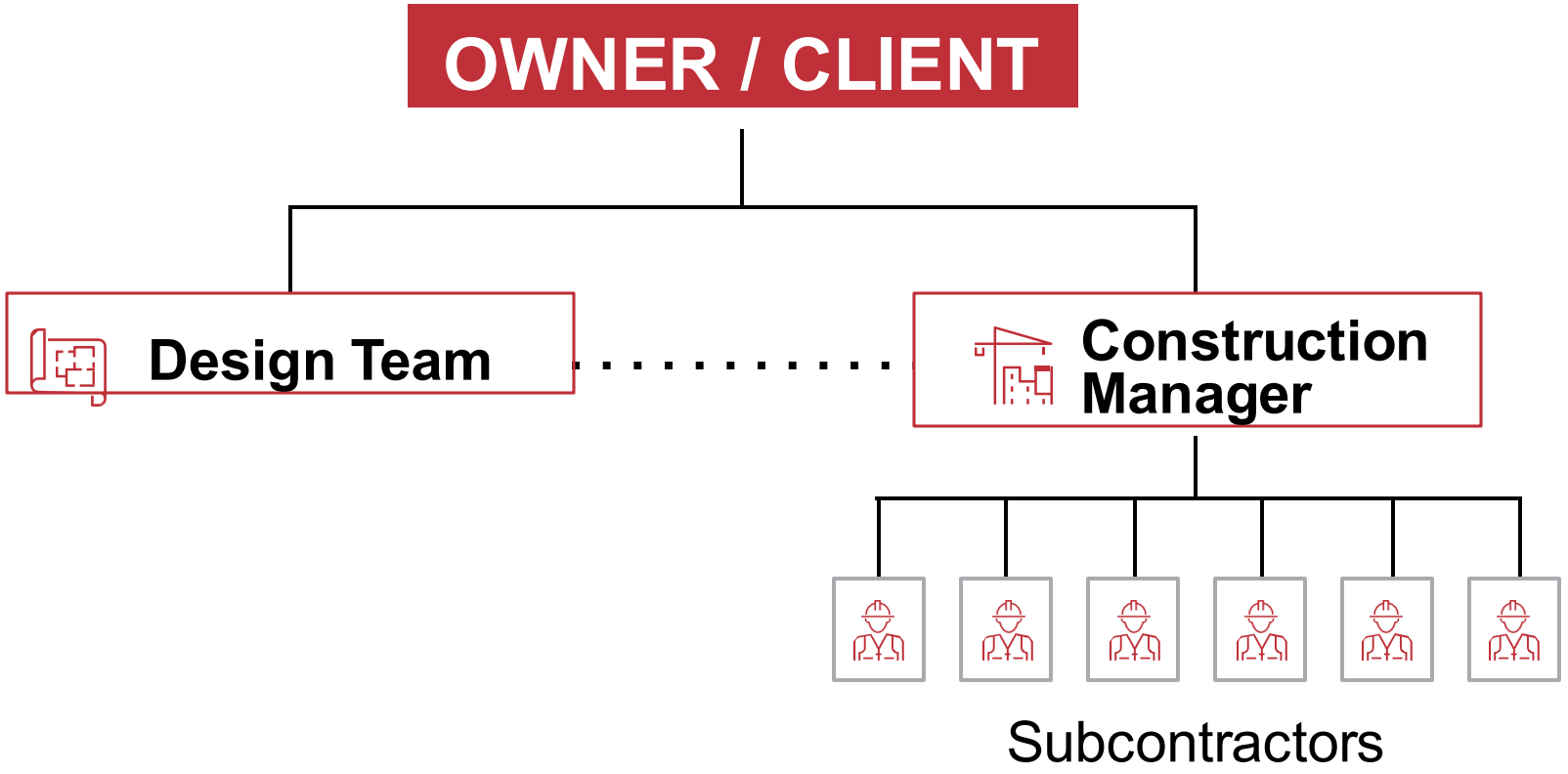
From the Ground Up

CONSIGLI
Est. 1905



A Typical Project Team

CONSIGLI
Est. 1905



Get Work, Do Work, Keep Score

CONSIGLI
Est. 1905

GET WORK

- Business Development
- Marketing

DO WORK

- Energy
- Estimating & Pre-con
- Field Operations
- M/E/P Services
- Project Management
- Purchasing
- Quality
- Safety
- Scheduling & Lean
- Self-perform
- Supply Chain
- Sustainability
- Virtual Design & Construction

KEEP SCORE

- Accounting & Finance
- Human Resources
- Inclusion & Diversity
- Information Technology
- Legal
- Risk Management
- Talent Acquisition
- Talent Development

Construction Team Structure

CONSIGLI
Est. 1905

Project Management

Field Operations

Skilled Trades

Project Management

CONSIGLI
Est. 1905

EDUCATION

Four-year degree
Civil engineering, mechanical engineering,

construction management

PRIMARY RESPONSIBILITIES

- Team leadership & communication
- Planning & coordination
- Budget management

Career Path

Project Engineer	Asst. Project Manager	Project Manager	Sr. Project Manager	Project Executive
0-3 years	3-5 years	5-10 years	10-15 years	15+ years

Field Operations

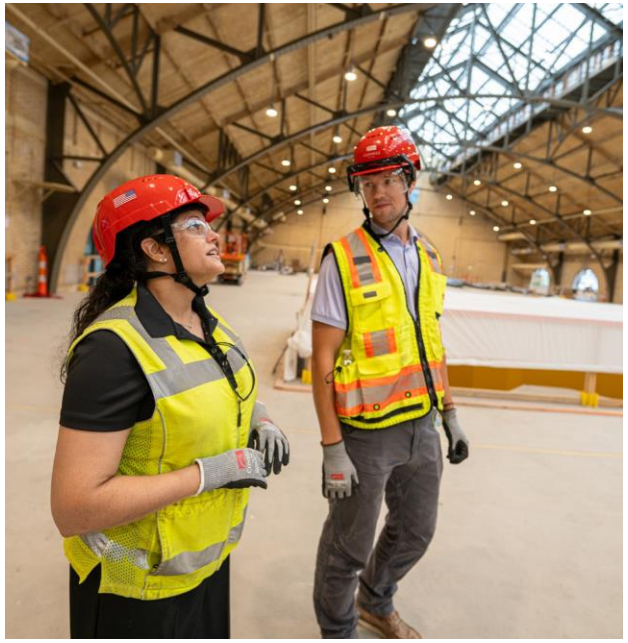
CONSIGLI
Est. 1905

EDUCATION

Four-year degree
Civil engineering, mechanical engineering, construction management

PRIMARY RESPONSIBILITIES

- Subcontractor management
- Schedule, logistics, safety & quality
- Technical problem-solving



Career Path

Asst. Superintendent	Superintendent	Project Superintendent	Senior Superintendent	General Superintendent
0-3 years	3-5 years	5-10 years	10-15 years	15+ years

Skilled Trades

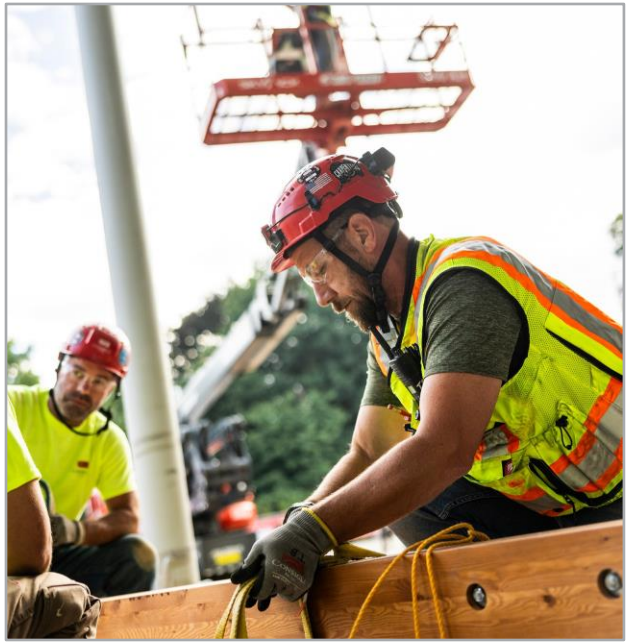
CONSIGLI
Est. 1905

EDUCATION

Apprenticeships, vocational schools, on-the-job training & unions

PRIMARY RESPONSIBILITIES

- Building
- Technical problem-solving
- Coordination & communication



Career Path

Apprentice	Journeyman	Foreman
0-5 years	5+ years	5-10+ years

Opening Doors

CONSIGLI
Est. 1905

Student Participants

Jannaca Lang
Lowell High School ‘26

Kiersten Chan
Town of Easton - Blanche A. Ames Elementary School Building Project
UMass Amherst ’27

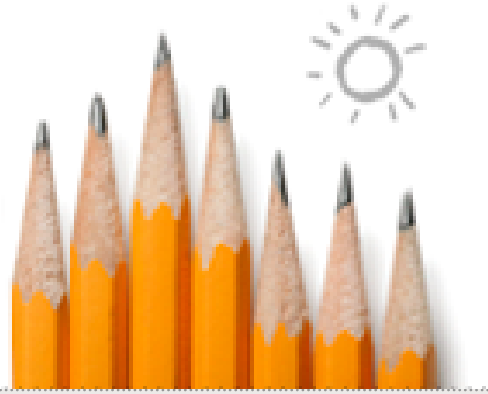
Anna Galer
Town of Easton - Blanche A. Ames Elementary School Building Project
Brown University ‘25

Miles Sperber
Concord Middle School – Grade 8

Casey Ganjolli
Revere High School ‘25
Wentworth Institute of Technology ‘29

QUESTIONS FOR STUDENT PARTICIPANTS

a. How did you participate in your town's building project?
b. How did you get involved?
c. What do you think schools should do to engage more students?
    i. How can principals better advertise to everyone so they even know about the opportunity? How do we make sure other schools are engaged?
    ii. Have any of you worked with a student building committee?
d. What has this experience meant to you



Questions and Conversation