# **Coakley Middle School**

Norwood Public Schools

#### **Middle School Building Committee**

September 13, 2021

## **Agenda**

August 9, 2021

- **♦** Review PSR decisions
- **♦ VOTE on MSBA PSR submission**

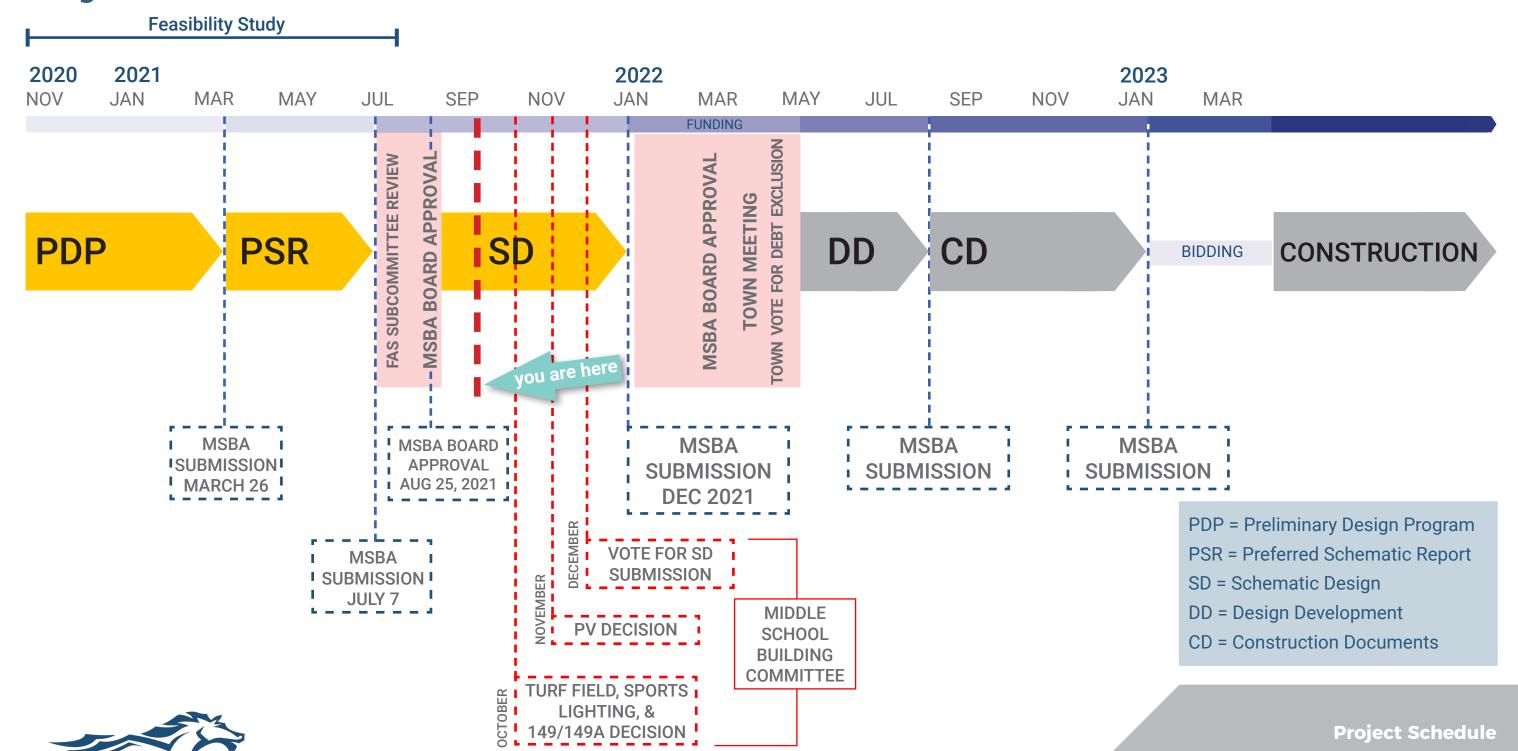
September 13, 2021

- PSR & FAS update
- Schedule update
- Public Forum #5
- ZNE update
- Floor & Site Plan update
- **Exterior update**





## **Project Schedule**



**Community Forum #5** 

Coakley Middle School

## **Agenda**

September 23, 2021

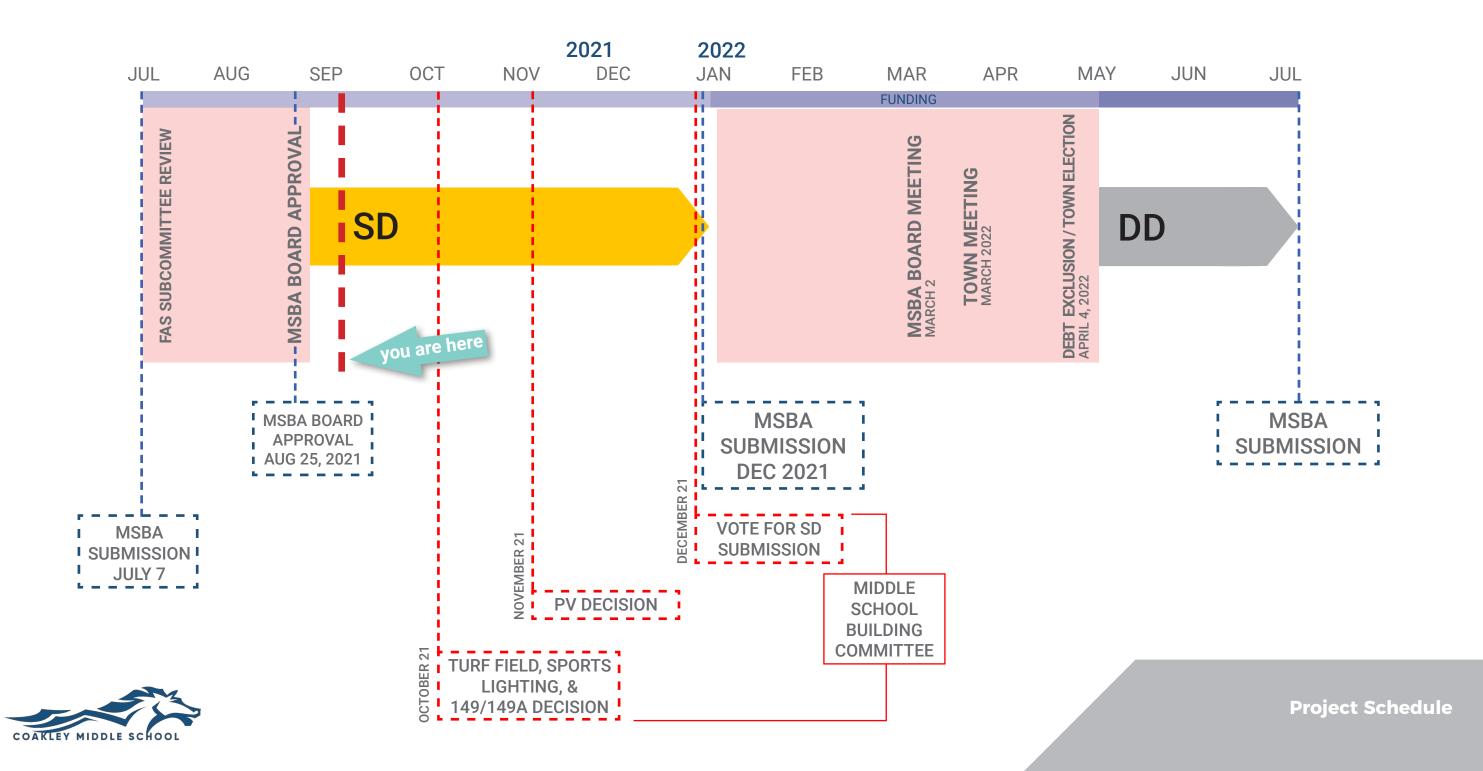
- Introductions
- Agenda
- **Project Schedule & Next Steps**
- **Design update** 
  - **♦ Floor Plans**
  - **♦ Site Plan**
  - **Exterior Renderings**
- **Questions & Answers**





# **Project Schedule**

### **TOWN MEETING & DEBT EXCLUSION VOTE**



### NET ZERO & SUSTAi<sub>3</sub> NABLE DESIGN

## **PATH TO NZE**



Design an all electric building



Target a low EUI



New Coakley Middle School anticipated annual energy consumption:

1,376,400 kWh



# SCHEMATIC DESIGN (SD) TABLE OF CONTENTS

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#### **4.1.3 FINAL DESIGN PROGRAM**

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**Electrical Systems** 

Mechanical Systems

**Plumbing Systems** 

Fire Protection Systems

Information Technology Systems

Theater Equipment

Foodservice Equipment

#### 4.2.1 SUSTAINABLE BUILDING DESIGN

LEED Scorecard
Designer's Certification Letter

Dark Gray - Items related to the Building Option that is required for submission

Light Gray - Items submitted in previous PSR report that are required to be submitted again

#### 4.3.1 ROOM DATA SHEETS

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Certification Letter
Middle School Building Committee Meeting Minutes
School Committee Meeting Minutes
Community Forum Information

#### **APPENDICES**

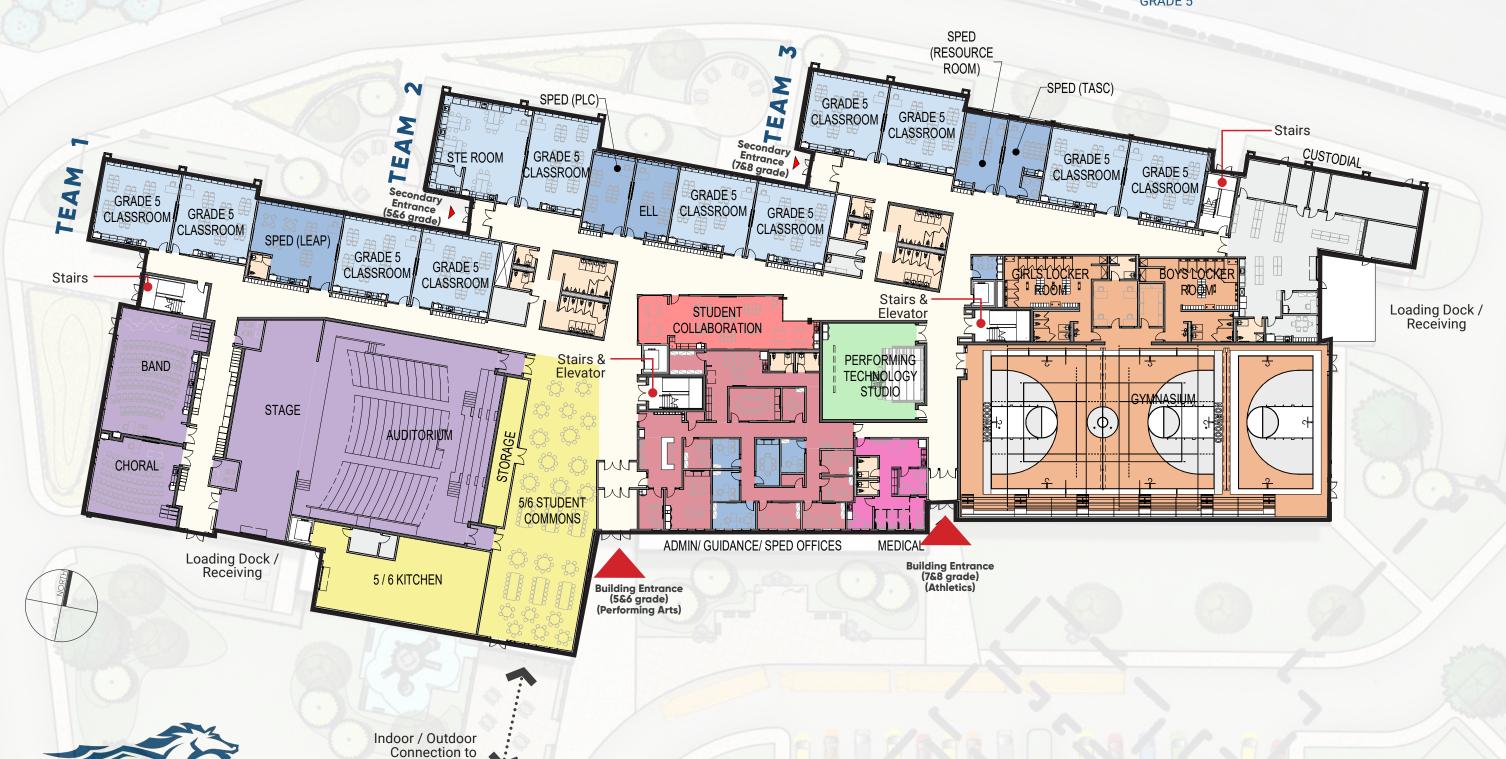
#### A. DESE Submission

OPM DESE Review Cover Letter Special Education Delivery Methodology Signed Education Space Summary Special Education Adjacency Table Preliminary Floor Plans

B. MA Historical Commission Submission







Greenspace















**GRADE 8** 







# **Design Overview**

This presentation will:

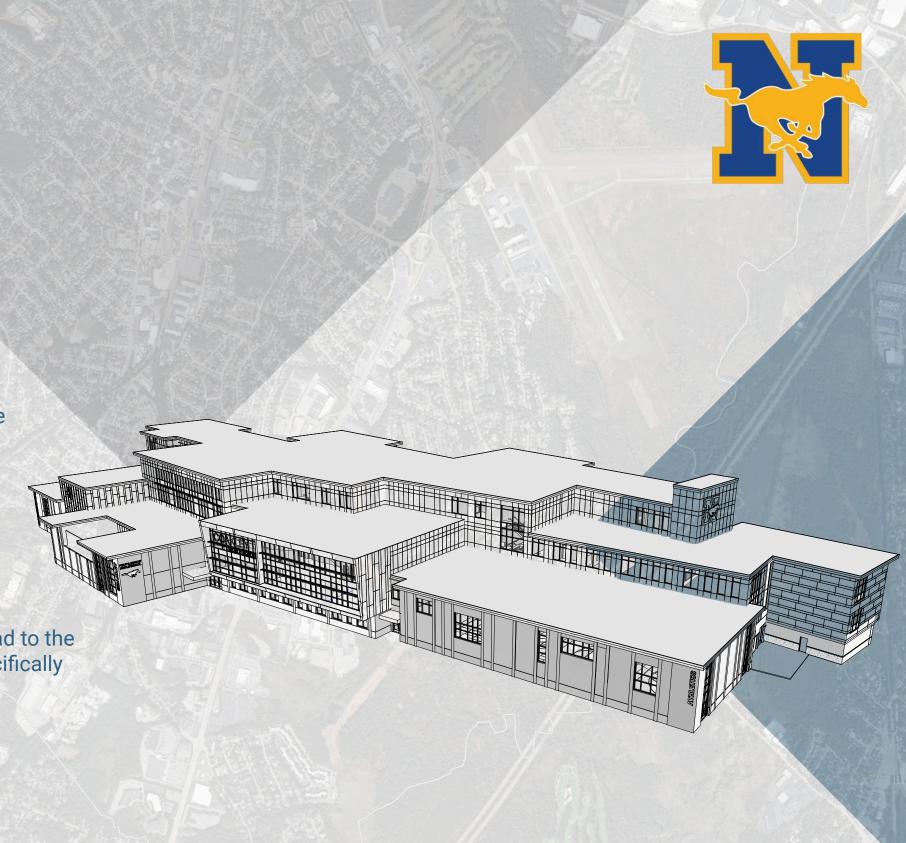
Describe the **UNIFYING** elements of the new Coakley Middle School design and their importance in the history of Norwood.

Reflect on existing buildings within the community to establish **DESIGN PARAMETERS**. These parameters will be used to redefine the limits of traditional architecture to establish the Coakley Middle School as a 21st Century learning environment.

Review massing, materials, textures, and colors and how these critical **BUILDING ELEMENTS** are integrated into the design.

Discuss how taking cues from the past, while looking ahead to the future materializes into a 21st Century Middle School specifically **TAILORED TO THE NORWOOD COMMUNITY**.

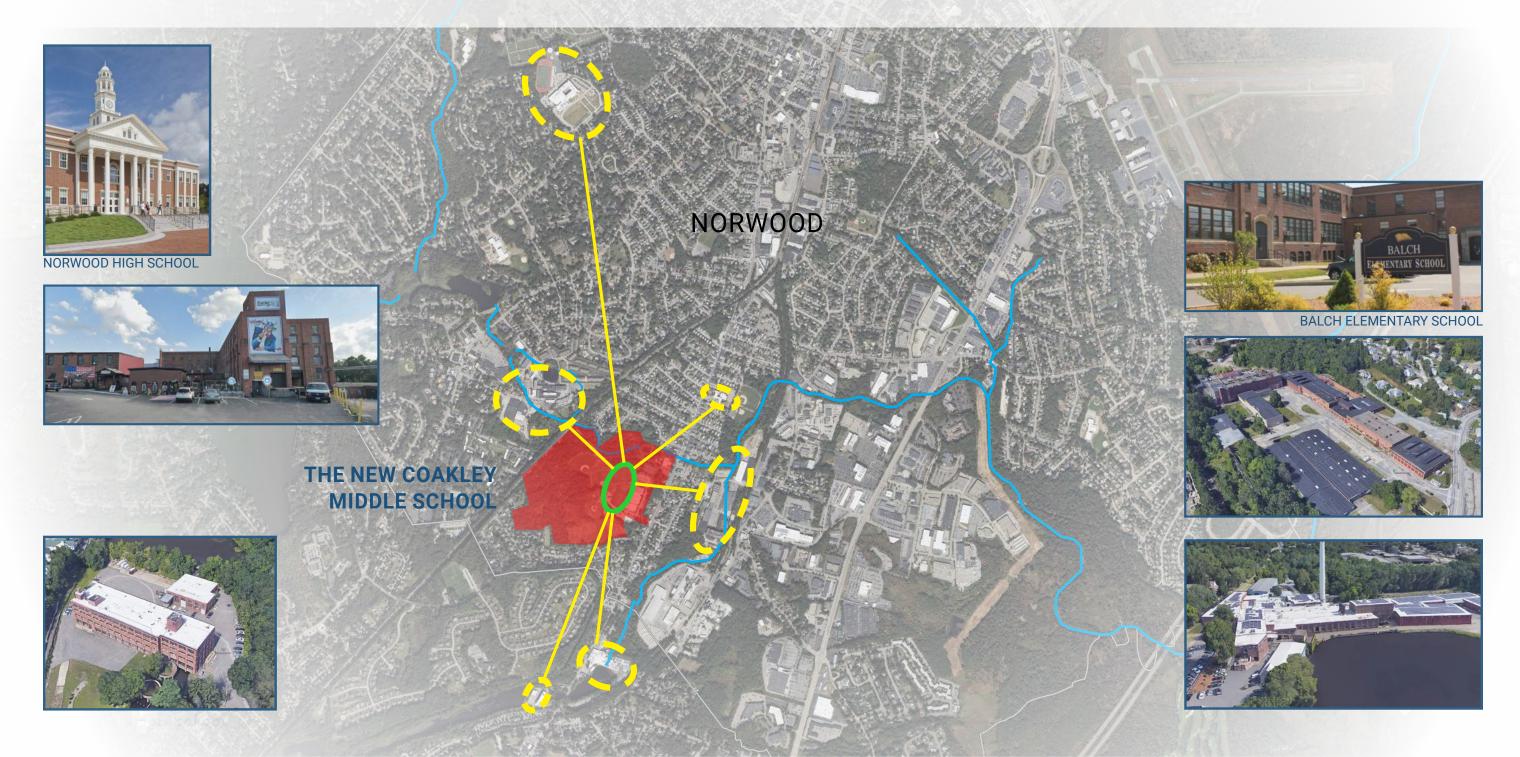




# **Unifying Element**

Industrialization -> Mill Buildings

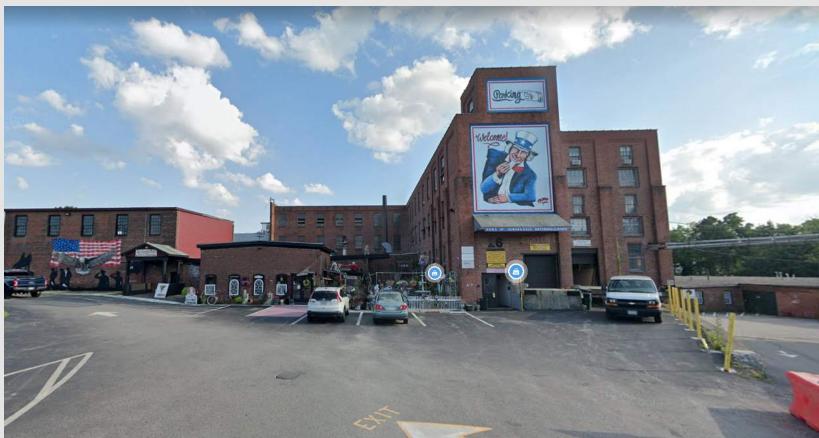
"The industrialization of Norwood is the most significant and distinctive feature of its history. Beginning in the mid-19th century, local tanneries, printing presses, ink manufacturers and other industries helped transform Norwood into a booming and ethnically-diverse industrial town." Norwood Historical Society



























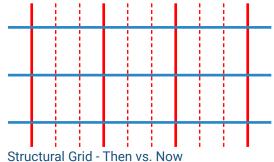
# **Existing Building Reflection**

Patterns & Repetition





## WHAT IS THE STRUCTURAL GRID AND BAY SPACING AND WHY?









# Existing Building Reflection Penthouse | Roof Monitor | Addition

HOW ARE THE ELEMENTS AT THE TOP OF THE BUILDING TREATED?



FIELD







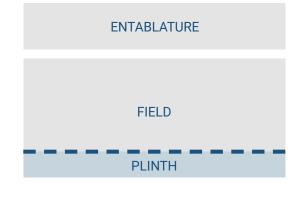


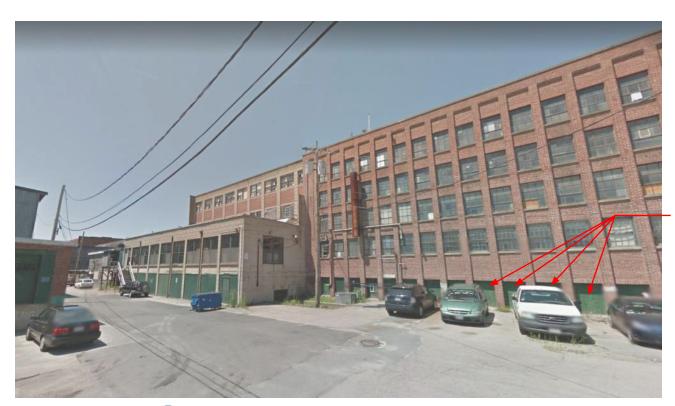


# Existing Building Reflection Treatment of base of building | Connection to ground

ENTABLATURE FIELD

**HOW DOES THE BUILDING INTERACT WITH THE GROUND?** 







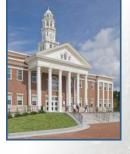
BRICK CONTINUATION -







## Massing - Materials - Textures - Color



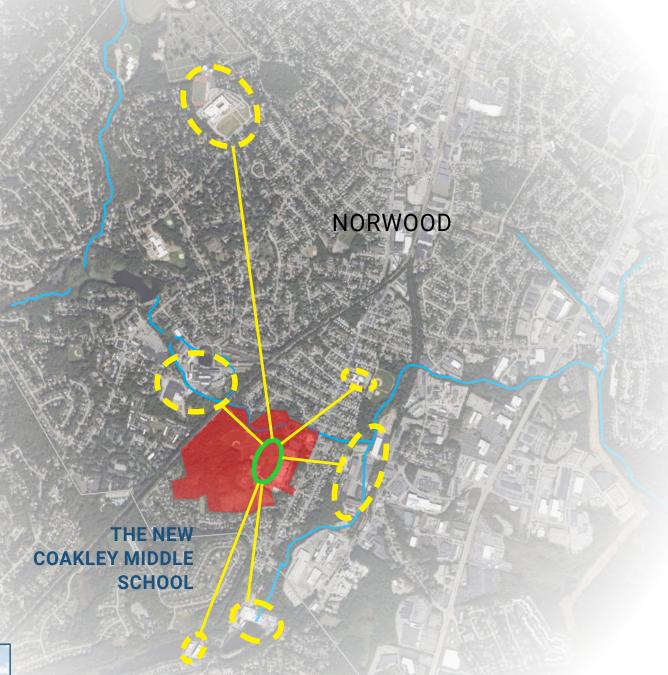




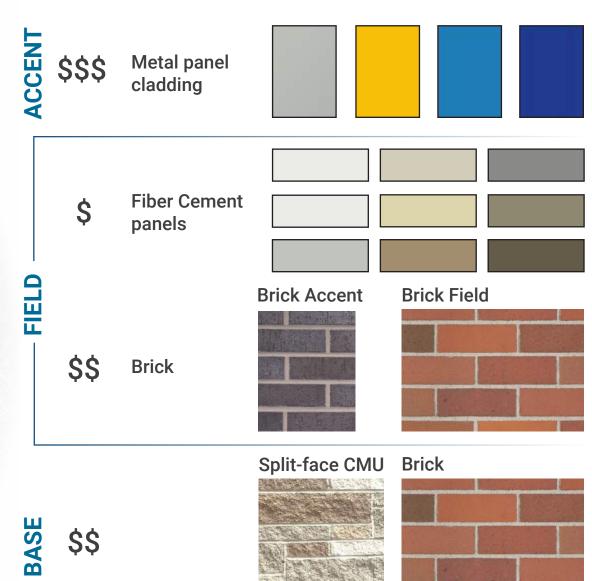


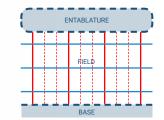






#### **COAKLEY MIDDLE SCHOOL** MATERIALS PALETTE



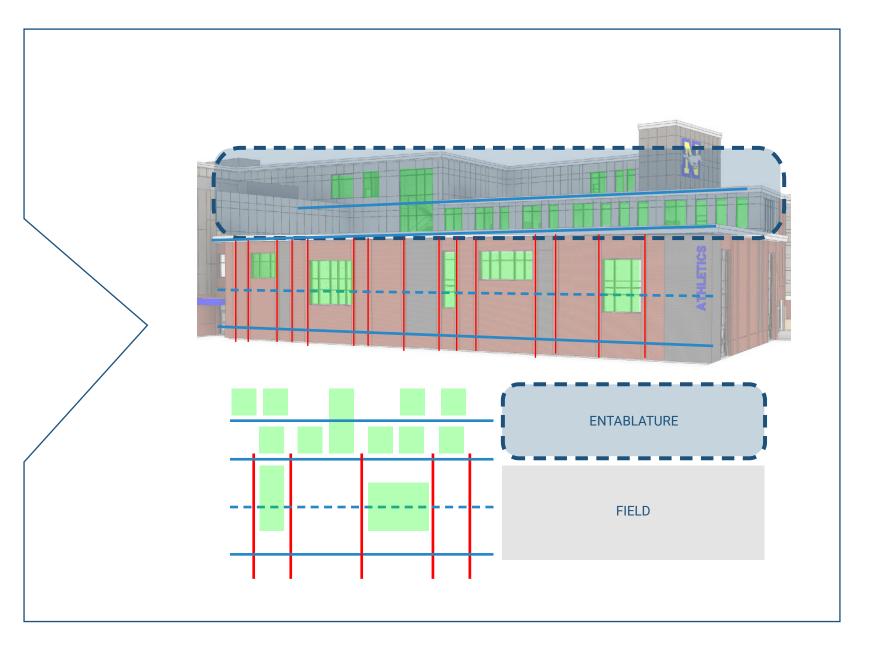


• UTILIZE DURABLE MATERIALS • PROVIDE IDENTIFIABLE ENTRY POINTS • HIGHLIGHT SPECIFIC BUILDING ELEMENTS • REDUCE BUILDING SCALE & MASSING • RELATE BUILDING AND MATERIALS TO SURROUNDING SITE & TOWN • PROVIDE BRANDING & IDENTITY FOR STUDENTS • DESIGN FOR SUSTAINABILITY

# Taking the traditional ..... and redefining the limits

South facade of the building



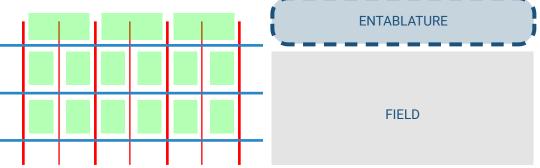


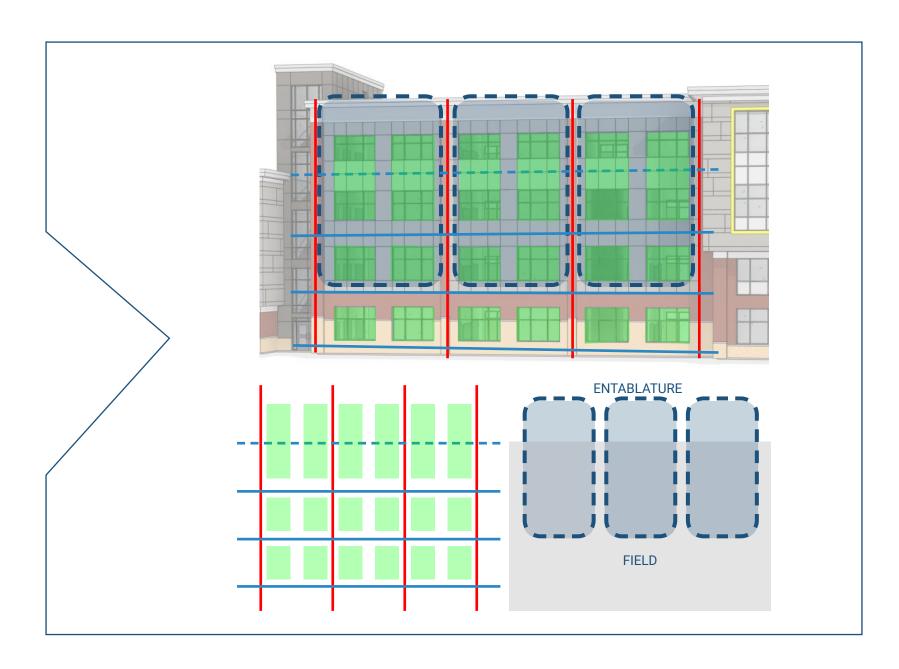


# Taking the traditional ..... and redefining the limits

North facade of the building







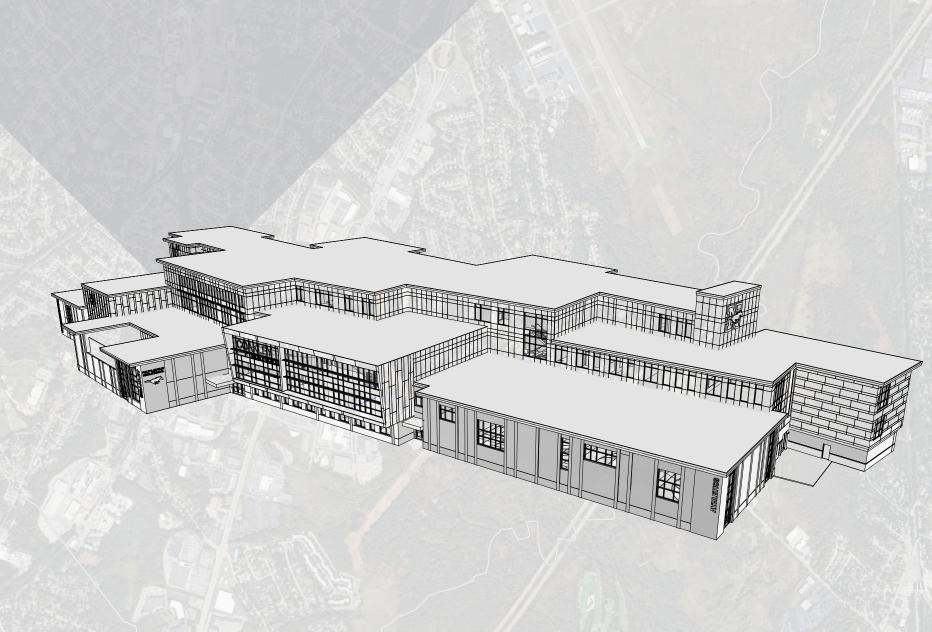




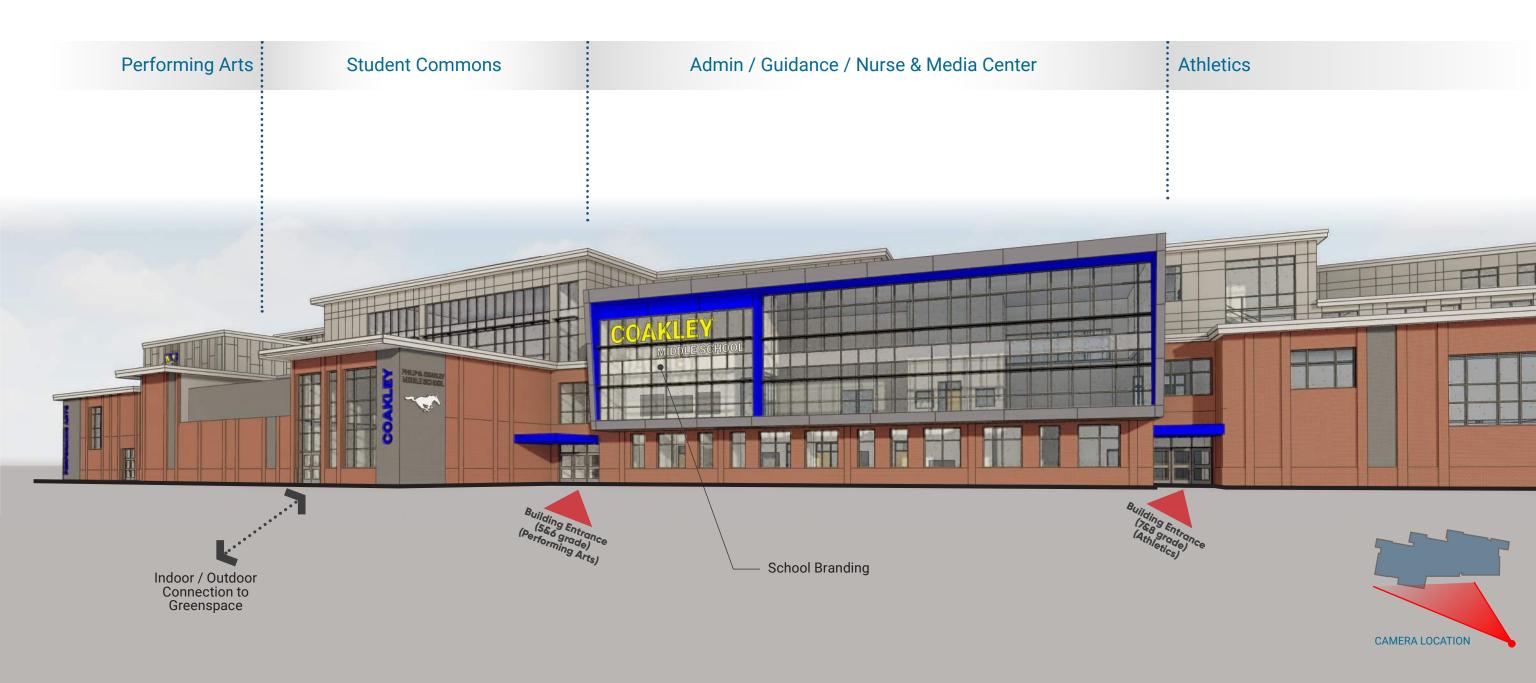
The new Coakley Middle School reflects on references and themes prevalent in the Historical American Mill Buildings throughout the Norwood Community.

The design of the new Coakley Middle School organizes these elements into a modern interpretation of the influential mill building.

The new Coakley Middle School will create a 21st century learning environment that propels the students and staff of Norwood forward; just like the mill buildings propelled the Town forward in the 19th Century.

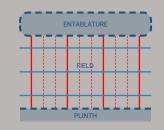


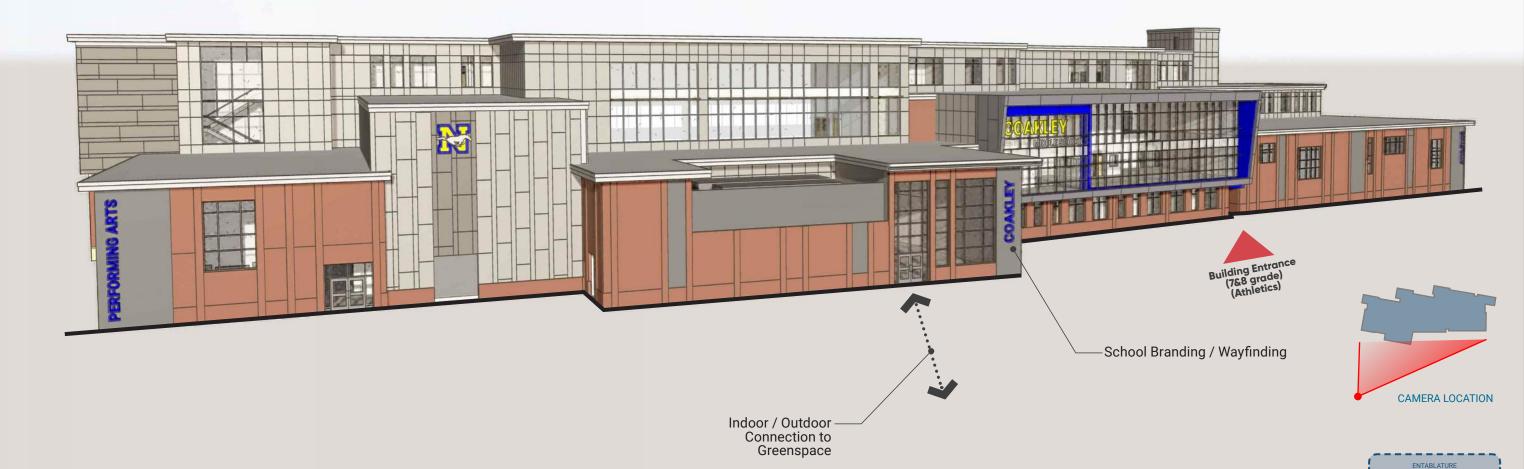






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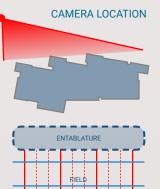
Secondary

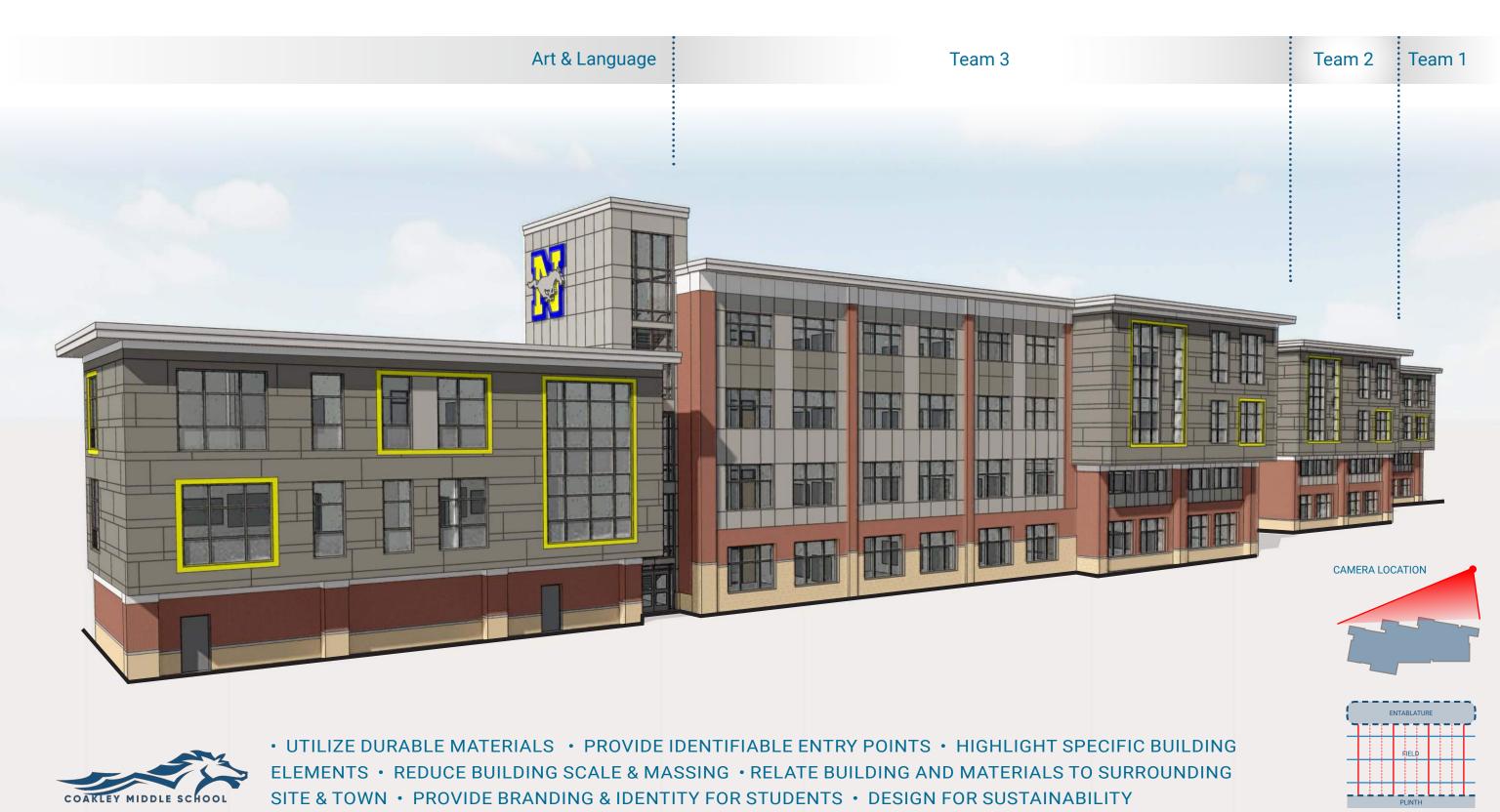
Entrance (7&8 grade)

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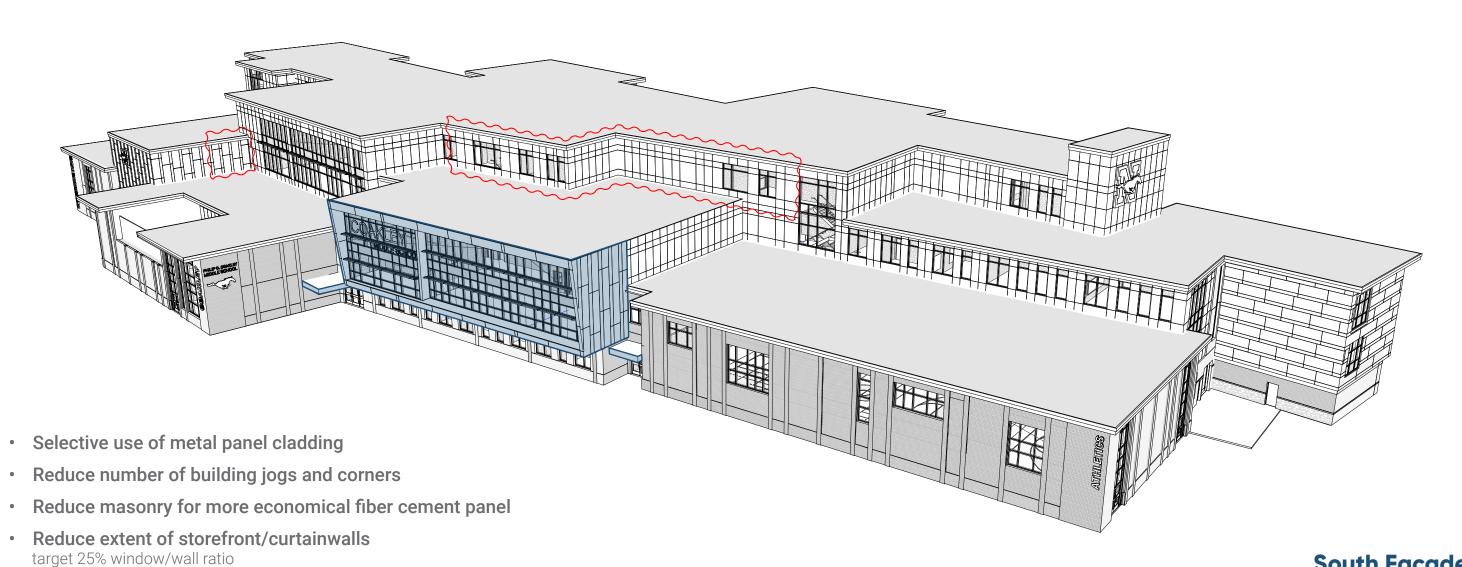
Secondary

Entrance (5&6 grade)





## **Cost Control**

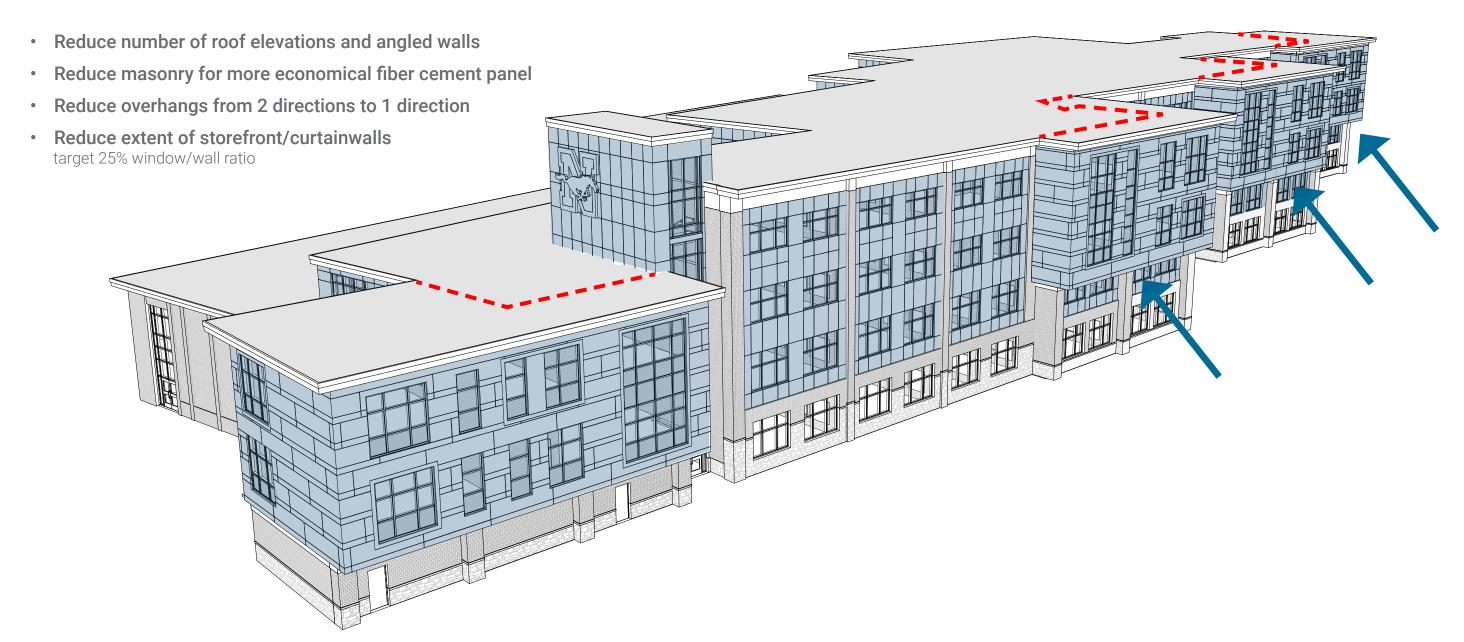




**South Facade** 

**Cost Control** building geometry & material selection

## **Cost Control**



#### **North Facade**



# **Questions/Discussion**



