

East Longmeadow HS Building Project

DESIGN DEVELOPMENT

Topics of Discussion

- Introduce Fontaine
- Review Exterior Finishes
- Review Interior Finishes
- Upcoming Meetings & Deadlines



Schedule Update

Introduction to Fontaine



FONTAINE

INTRODUCTIONS



Photo Credit: JWA/SMMA

Updates

Coordination

- Fontaine and Design Team sharing documents
- Additional geotech and survey work complete
- SMMA doing cut/fill analysis based on design and site information
- Fontaine developing construction layout plans

Upcoming Meetings

Permitting Review with Town Departments

School Safety Plans with Fire & Police

Furniture Design Development Meetings @ School

Next Community Forum – April 11

Updates

DD Package to Estimators & Fontaine	March 5
Pool Package to Estimators & Fontaine	March 12
Estimates back to JWA/SMMA	March 22
Reconciliation of High School Project	March 26
Value Engineering Review	March 27
Package to MSBA	March 29
Pool Estimate Reconciliation	April 2

Exterior Architecture Update

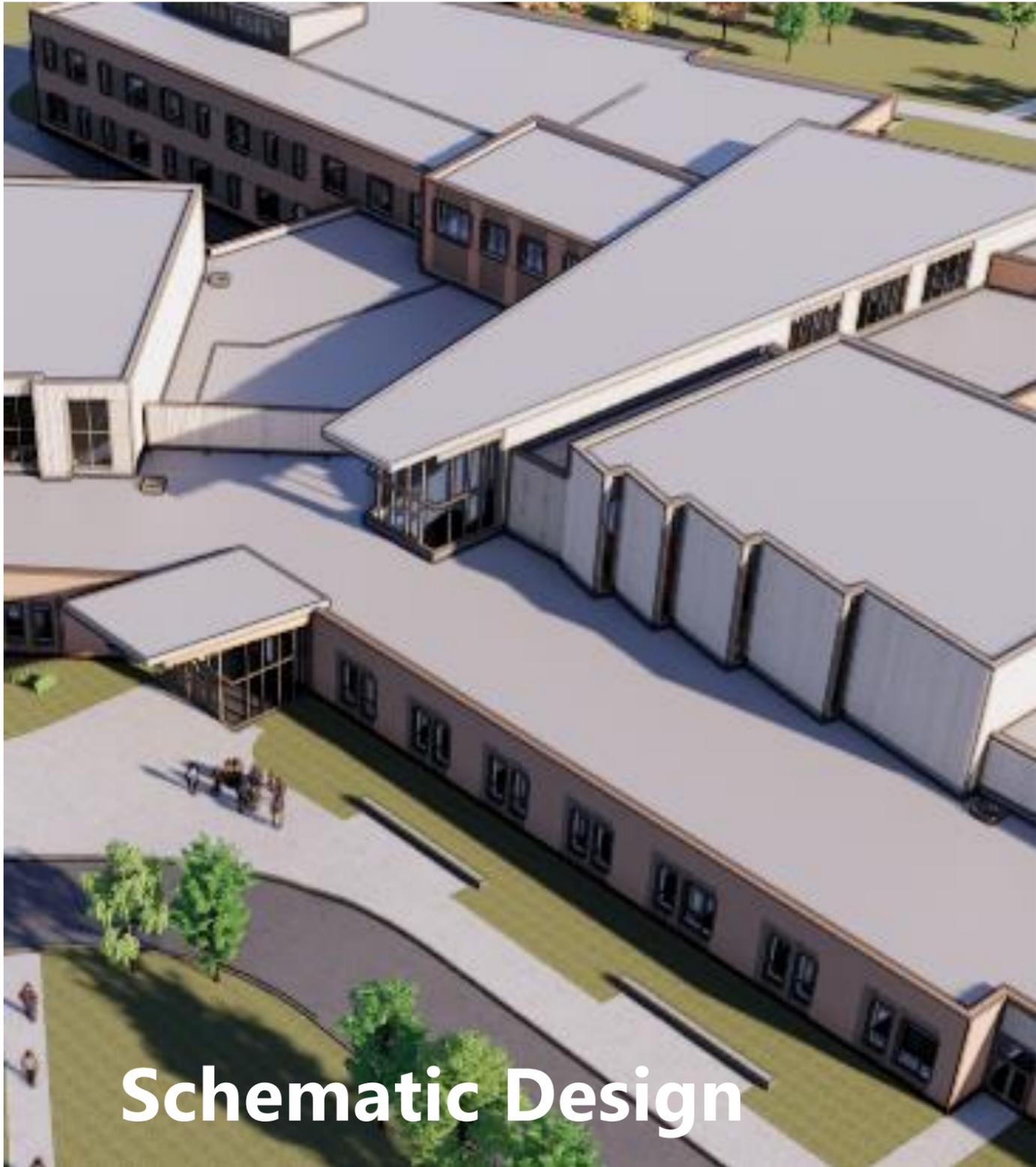
Aerial View – SD Rendering



Entry Facades – SD Rendering



Entry Expression



Entry Expression – Schematic Design



Entry Expression – Current



Entry Expression – Current



South Terrace – SD Rendering





South Terrace - Design Development

Outdoor Commons – SD Rendering



Outdoor Commons – Current View



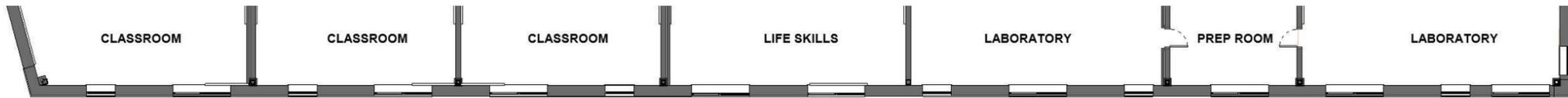
Preschool Corner – Proposed



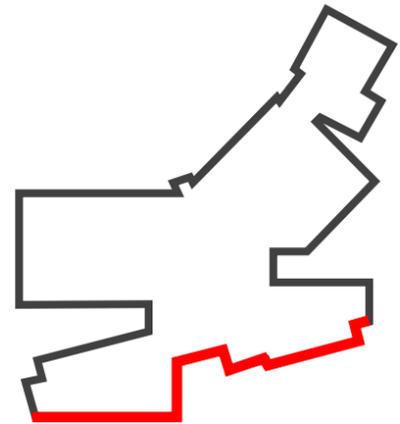
Outdoor Commons – Standard Windows at Preschool



Classroom Window Design – South Elevations



Partial Plan at Classroom Wing



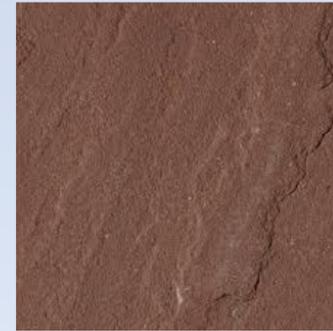


Material Palette



Pre-finished Aluminum

- Window Frames
- Roof Edge Trim
- Sunshades



Precast Accents

- Dark Red/Brown
- Historic Sandstone color tie-in



Primary Brick

- Light Red Colors
- Mottled Effect



Accent Brick

- Dark Color
- Textured



Granite Base

- Similar to Deer Isle (Maine)

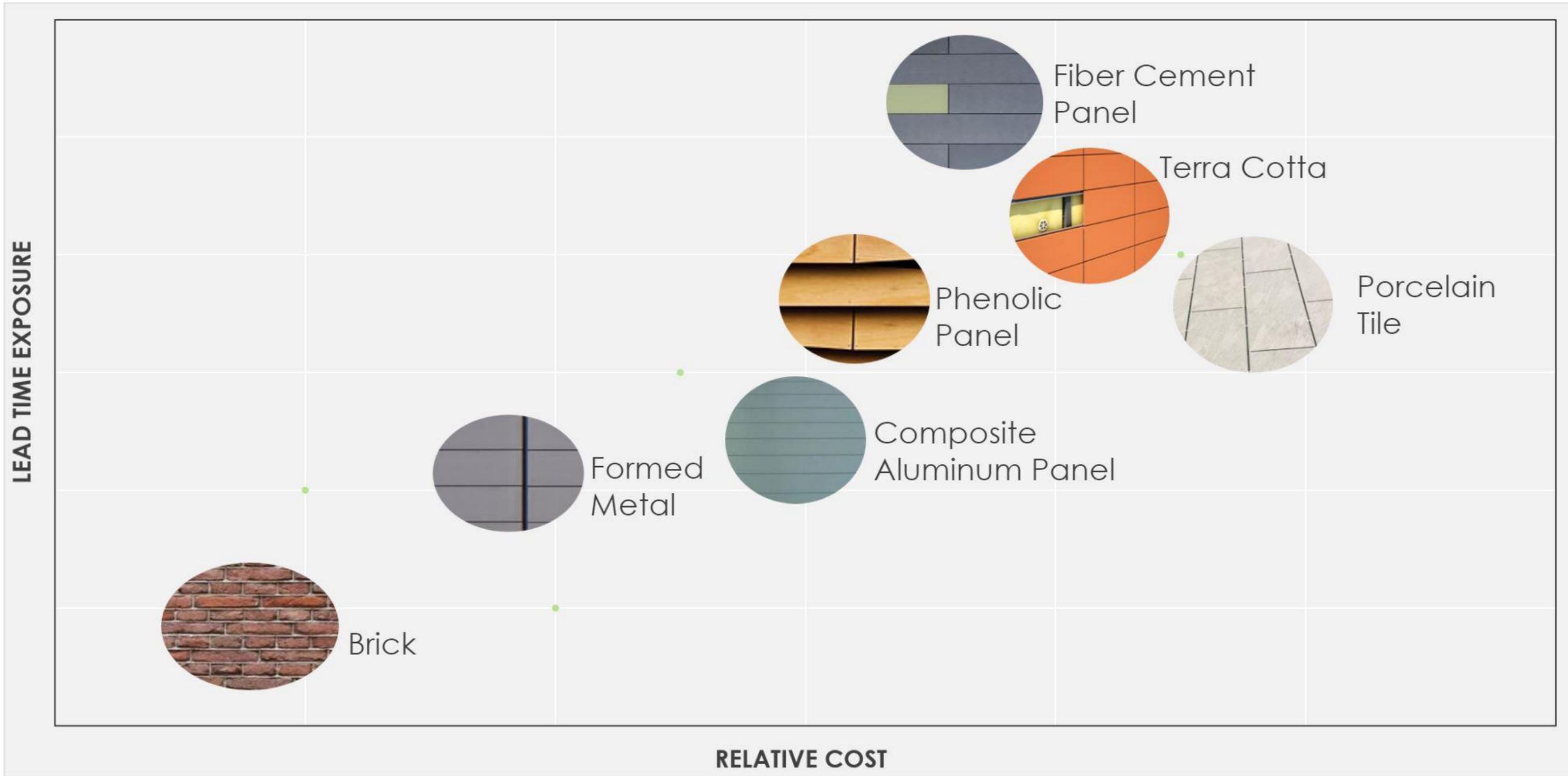
Exterior Enclosure Materials

Opaque Walls	Brick Masonry, Stone Base, Stone or Precast Concrete Trim	<ul style="list-style-type: none"> • Currently 80% of Wall Enclosure • High Insulation Value
Rainscreen Feature Walls	Ceramic Tile or Pre-finished Metal	
Windows	Triple Insulated-Glazed, Aluminum Frame	<ul style="list-style-type: none"> • 20% of Wall Enclosure • Utilizes Low-emissivity glass • Low U-value
Curtain Walls and Storefront	Triple Insulated-Glazed, Aluminum Frame	
Spandrel, Fascia & Canopy	Pre-finished Metal Panel	
Soffit	Pre-finished Metal Panel, Wood-look Metal or DEFS (stucco)	
Roof Screens	Pre-finished Formed Metal	
Roofing	PVC Membrane	

Energy-Efficient Envelope Parameters

- ❑ R-52 Roof insulation (~8.5")
- ❑ R-34 wall insulation (~6" outside of AVB)
- ❑ Triple Glazing
 - U-0.23 assembly
 - IGU 0.14 U-value winter
- ❑ R-20 foundation wall, R-20 for 6' perimeter slab on grade and R-10 central slab on grade areas.

Exterior Wall Cladding Materials: Market Outlook

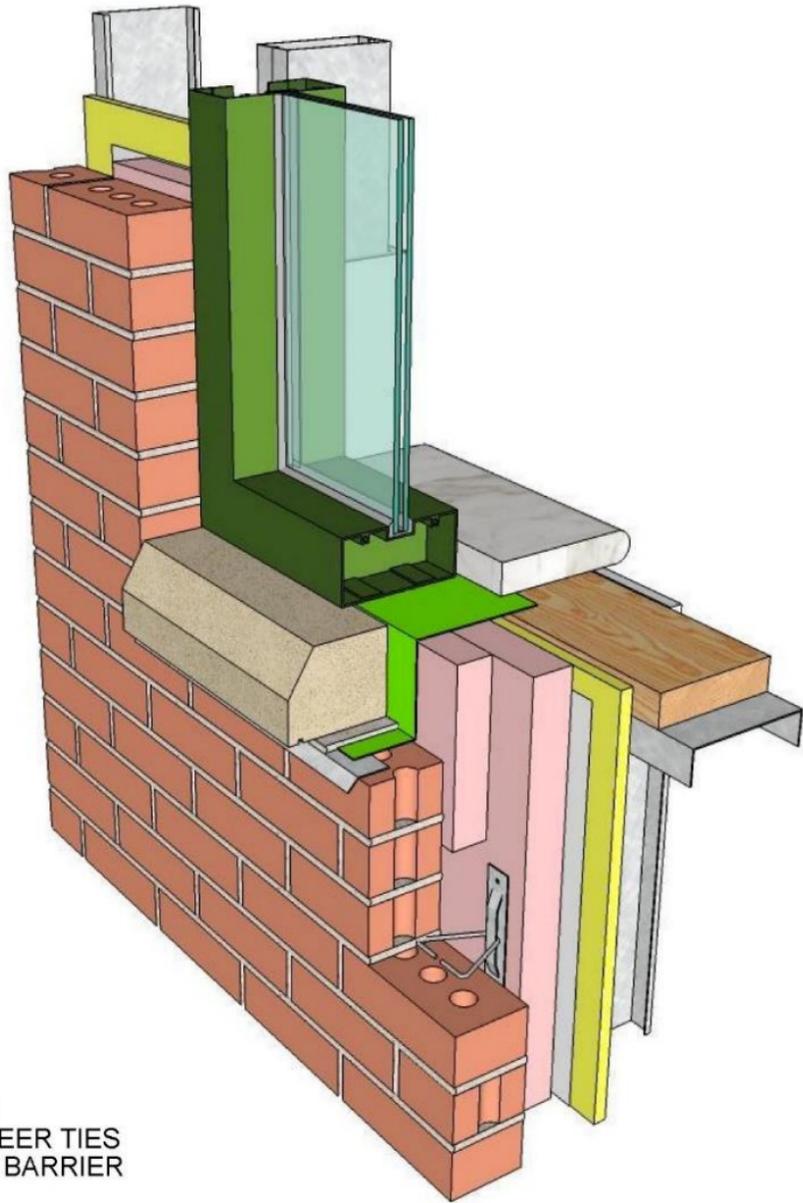


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Brick Masonry Veneer

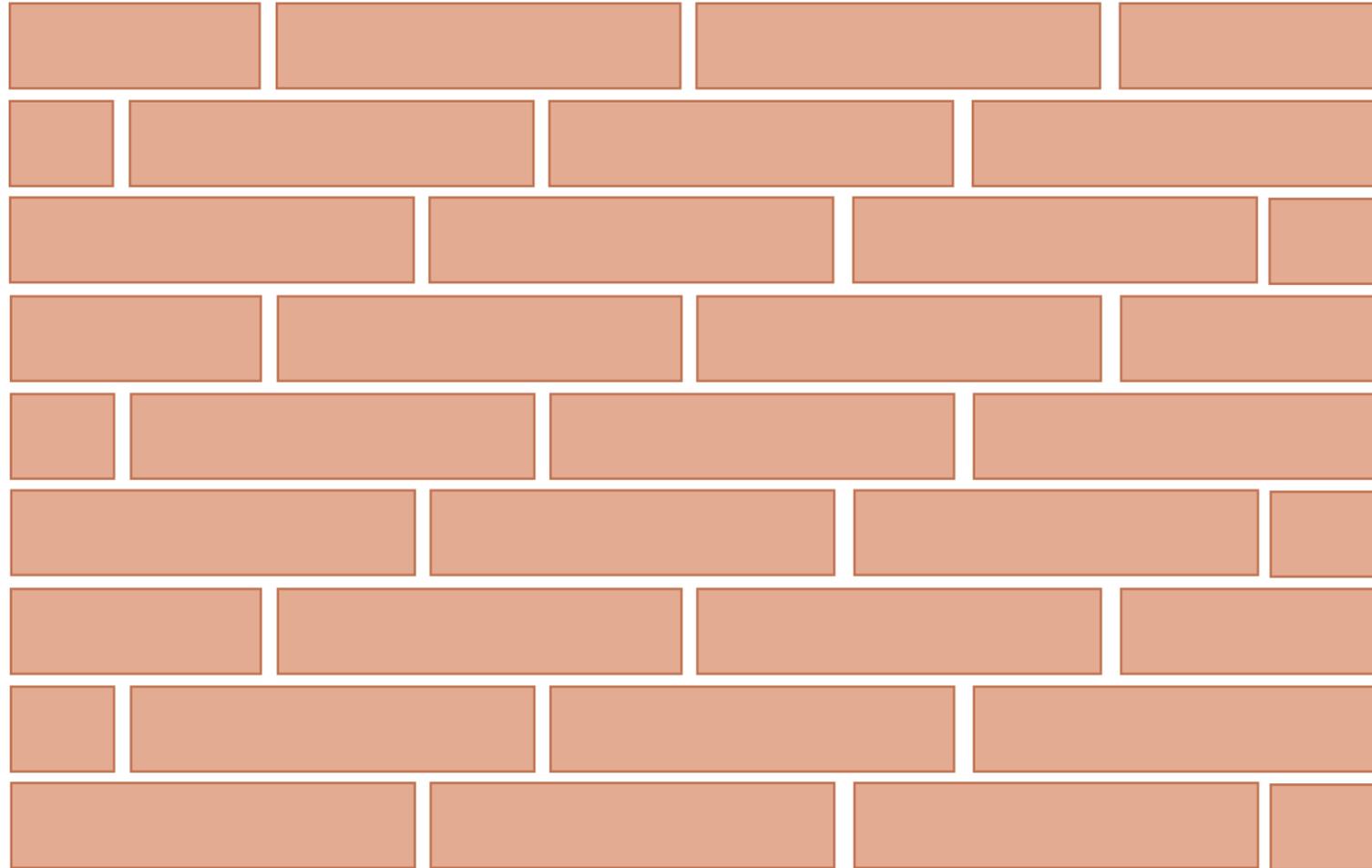


DETAIL FEATURES

- 2-PART FLASHING
- ADJUSTABLE VENEER TIES
- AIR INFILTRATION BARRIER (HOUSEWRAP)

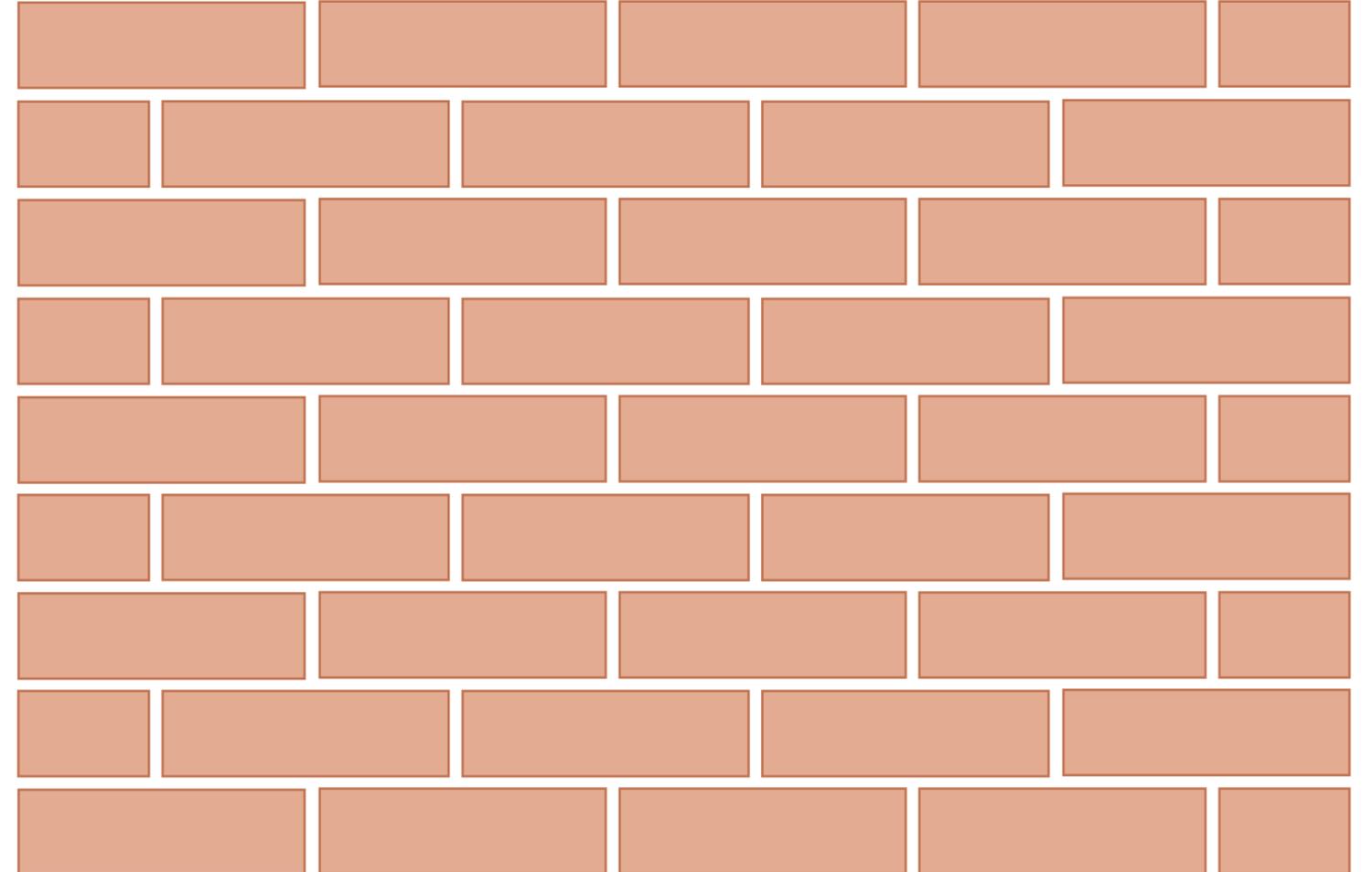


Brick Bond Comparison



Norman Brick 12”L

- 50% Fewer Bricks *May* Save Labor \$
- More \$ for Widest Range of Color/Texture
- Potential Quality Concerns with Tolerances



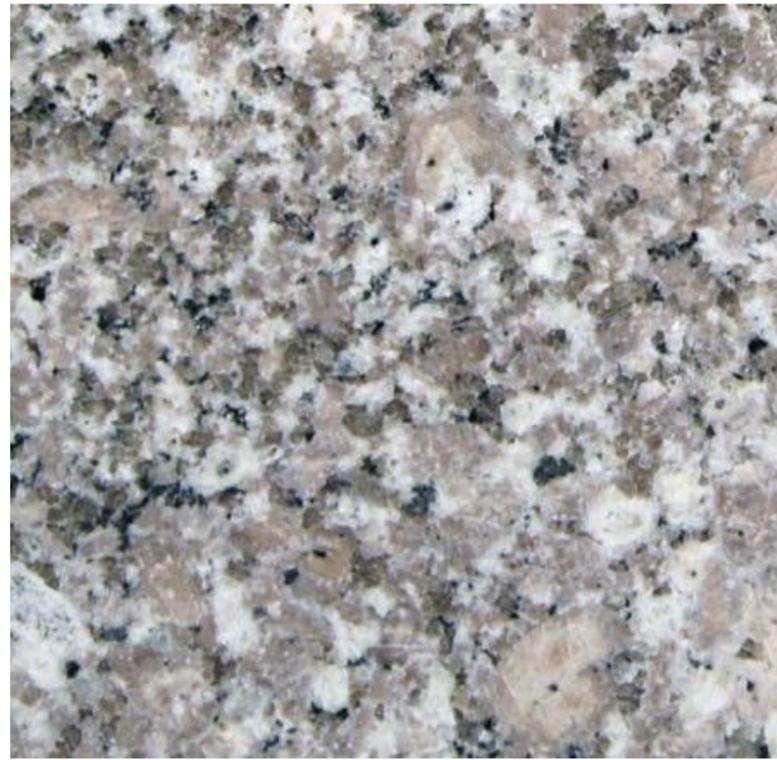
Standard Brick 8”L

- More Economical Material Options Available
- Wide Range of Colors/Textures
- More Reliable Quality Control

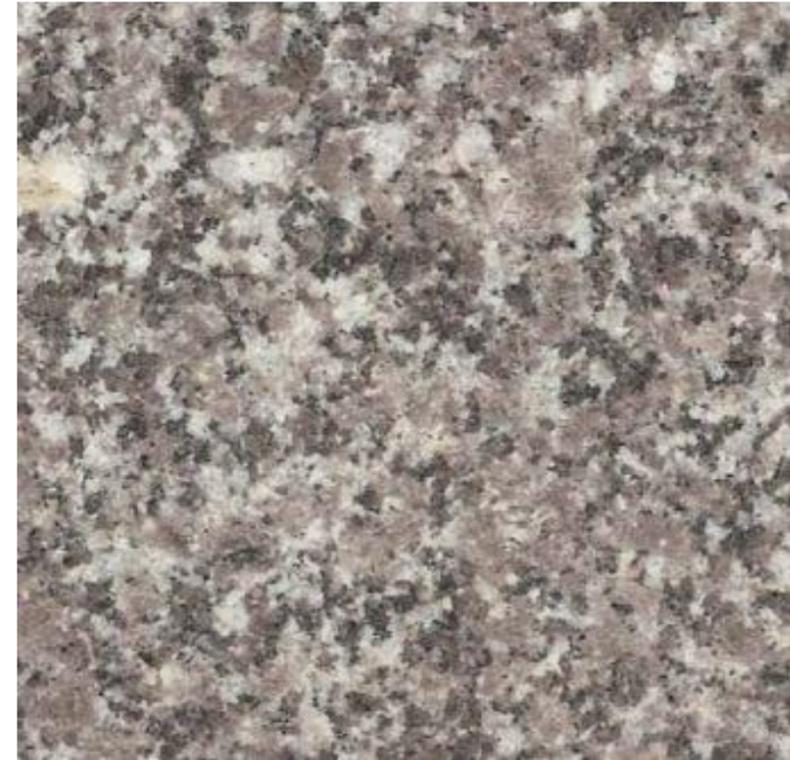
Wall Base: Stone Options



Caledonia Granite



Deer Isle Granite



Englishman's Bay Granite

- Recommended for Best Combination of Cost & Aesthetics

Formed Metal Wall Panels



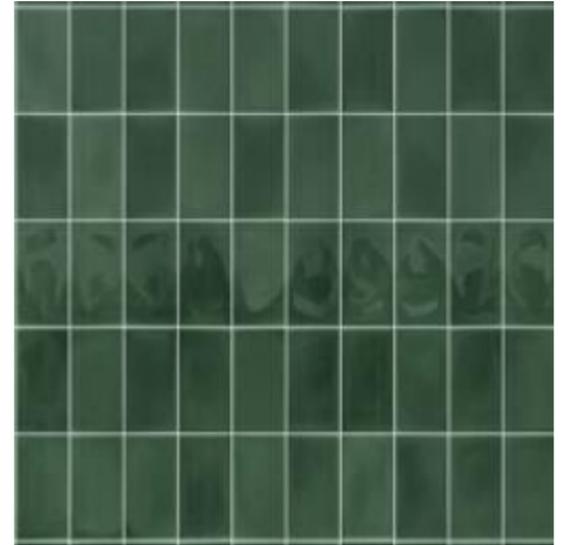
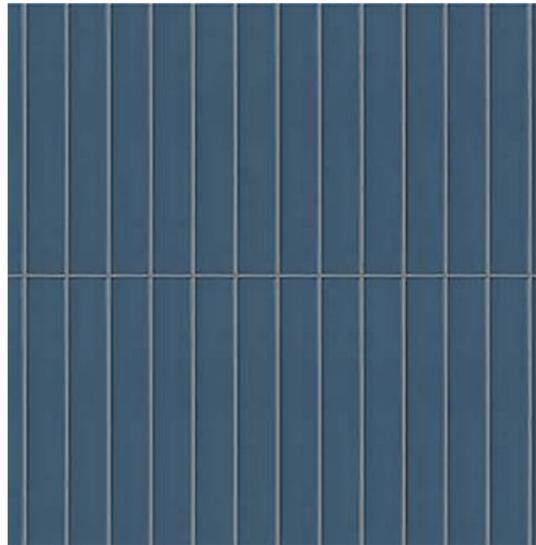
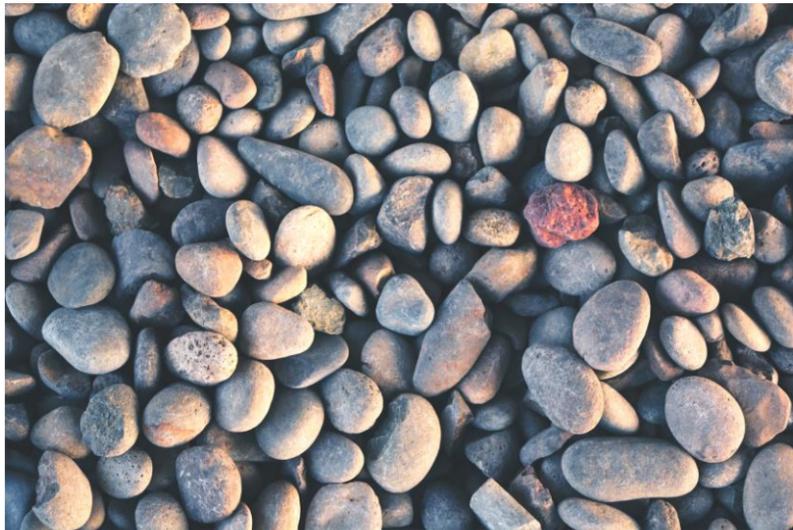
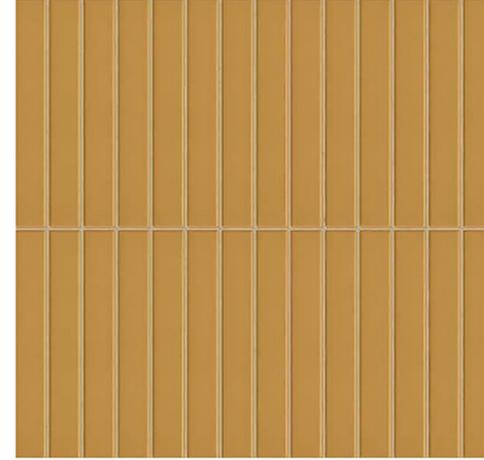
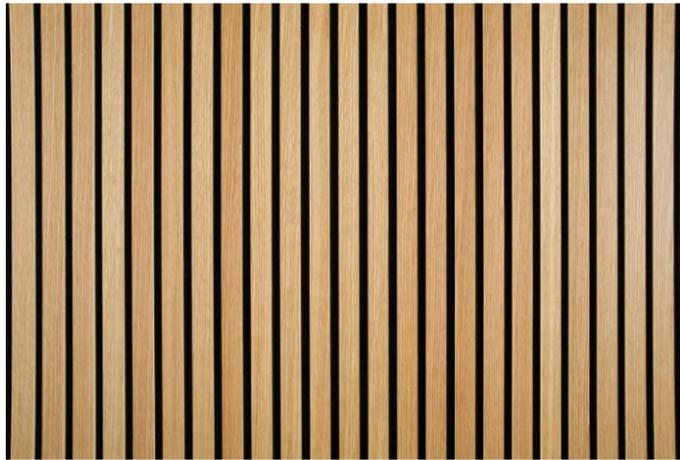
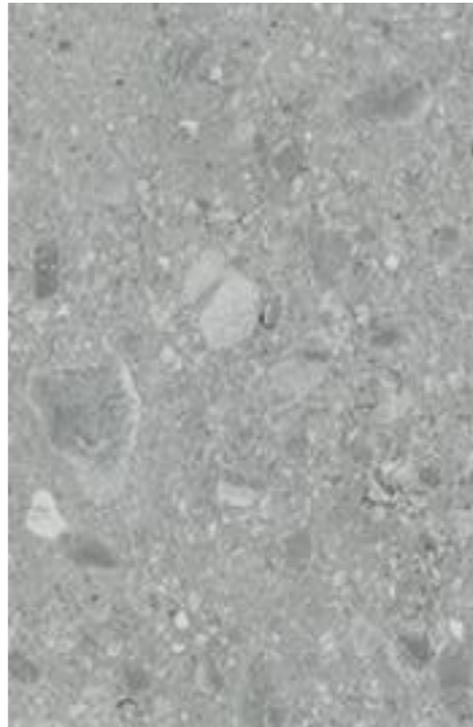
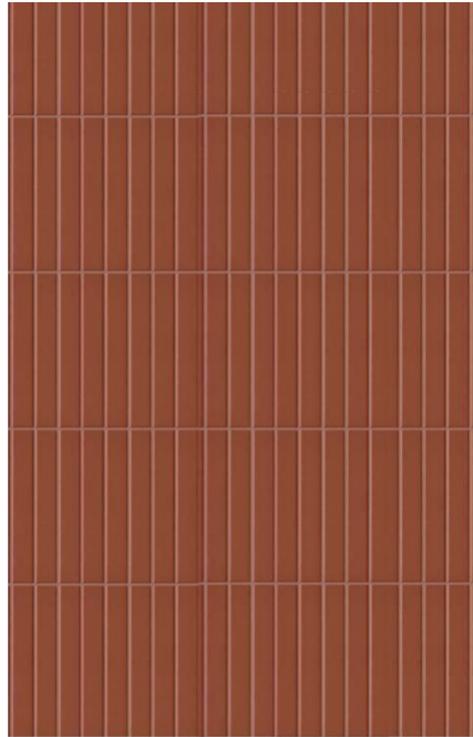
Includes ~212 Linear Foot (27%) Reduction of Solar Shading Devices Since Schematic Design



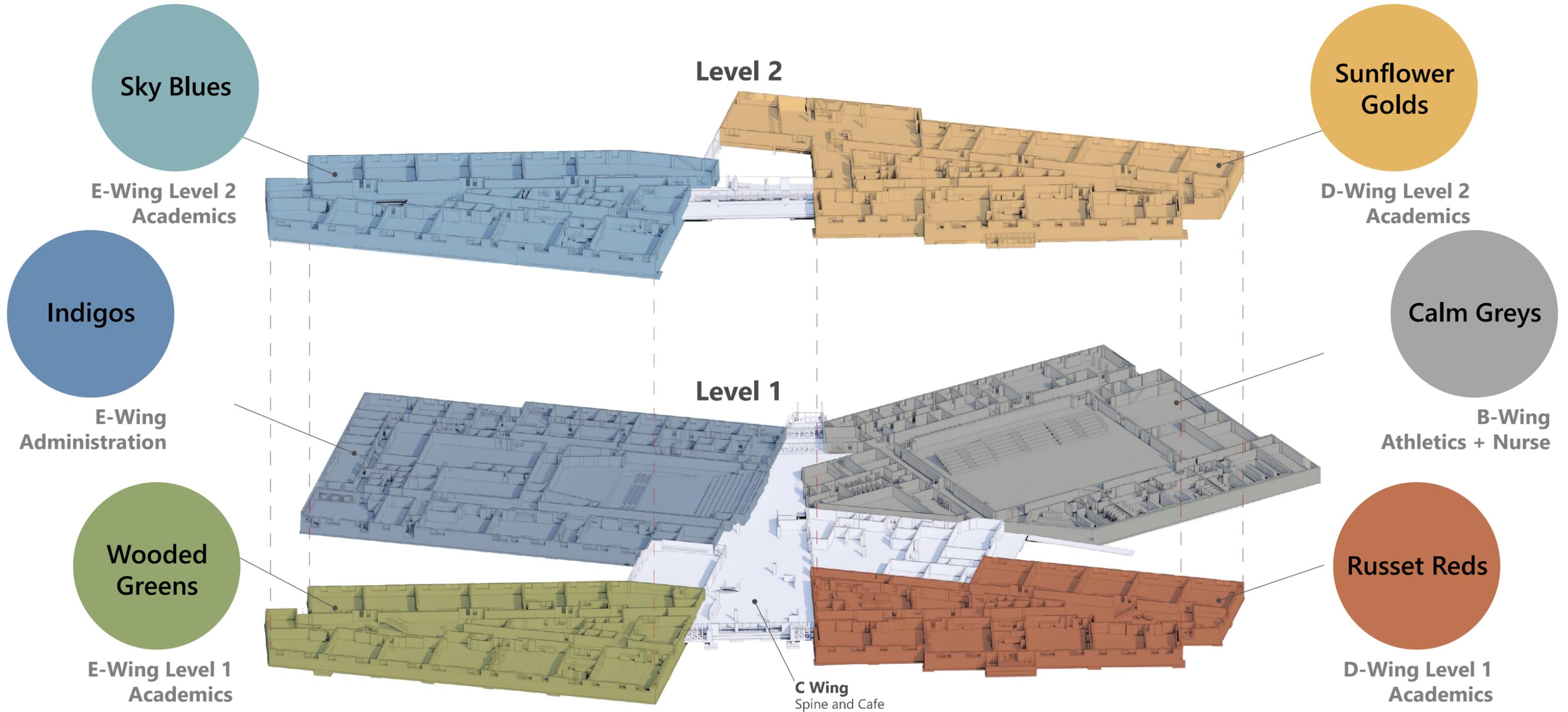
Material Palette

Interior Finishes

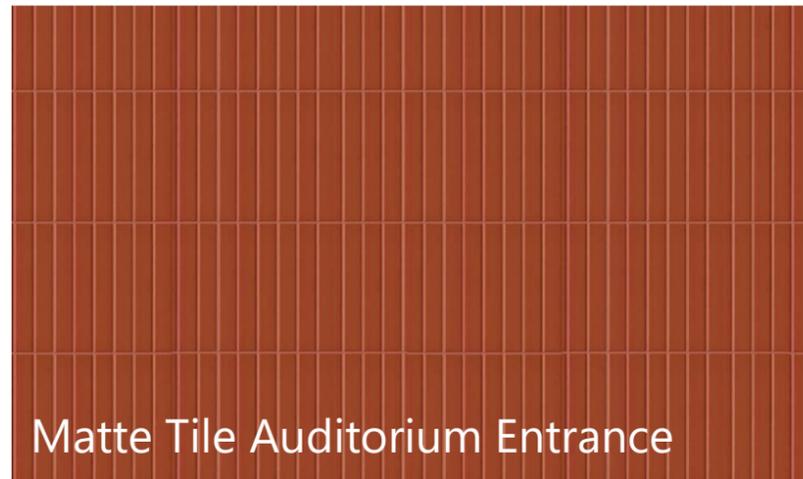
Color Theory | Inspiration



Color Navigation



Entry | Spine



Matte Tile Auditorium Entrance



Tiled Wainscot Walls



Tiled Water Fountain Wall +
Wet Wall in Bathroom



PCT Floors



Auditorium



Gym



B-Wing Entrances



Bathroom Wet Wall



Locker Room Entrance



Hall Rubber Floors



Locker Room Wet Wall

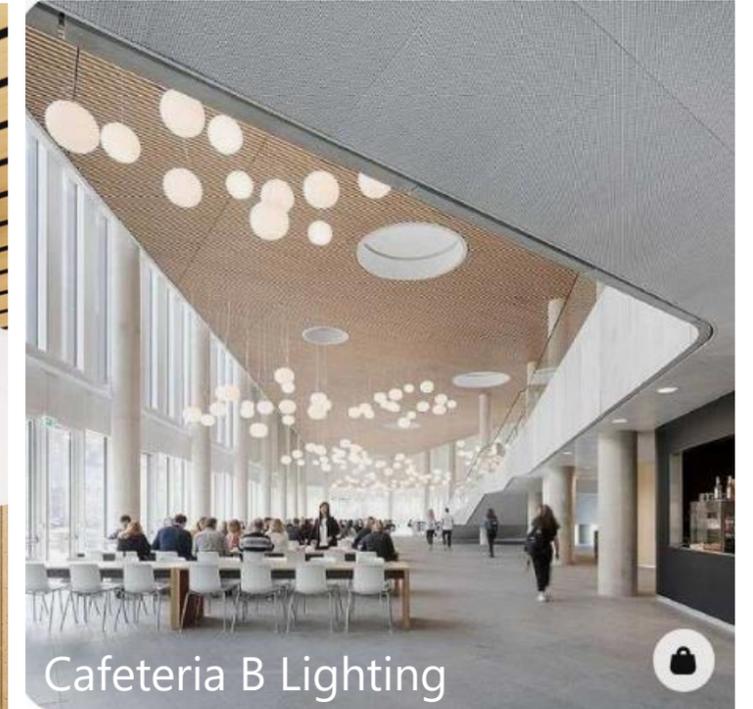


Locker Room Rubber

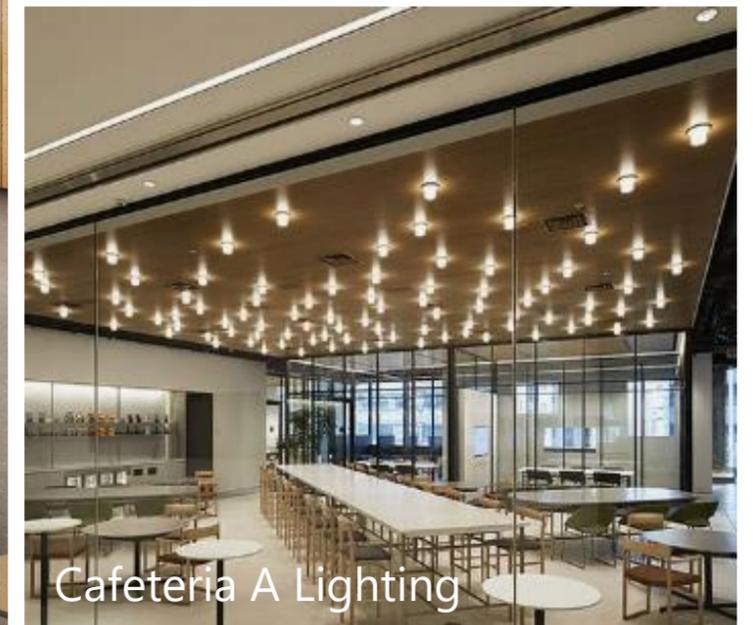
Cafeteria



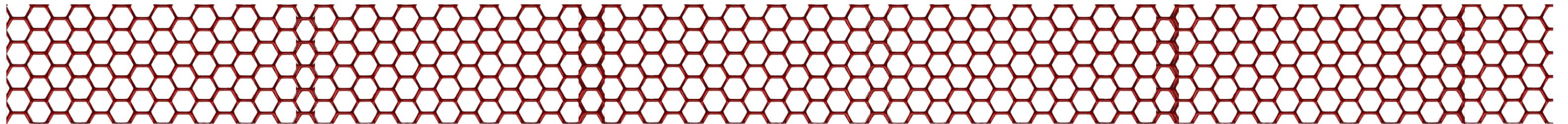
Cafeteria B



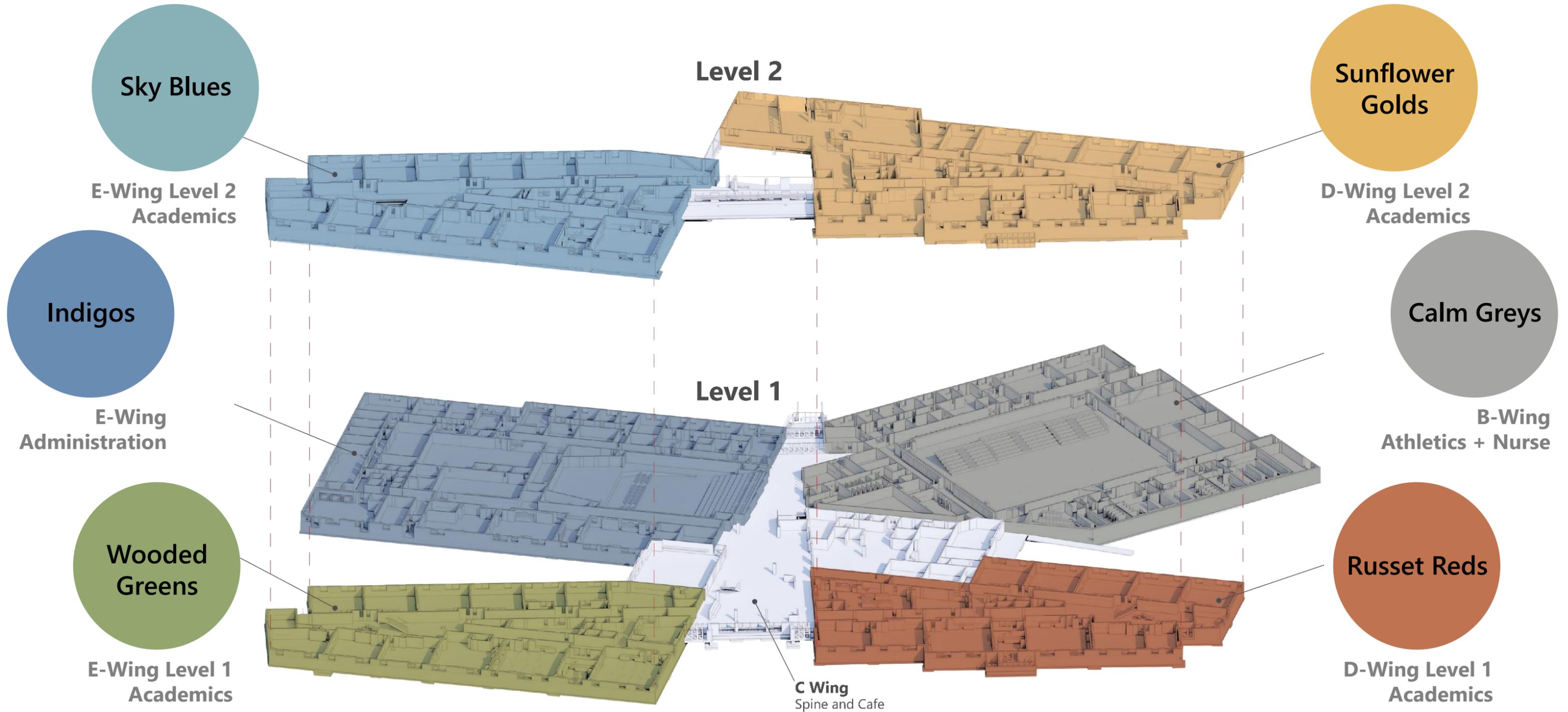
Cafeteria B Lighting



Cafeteria A Lighting



Color Navigation

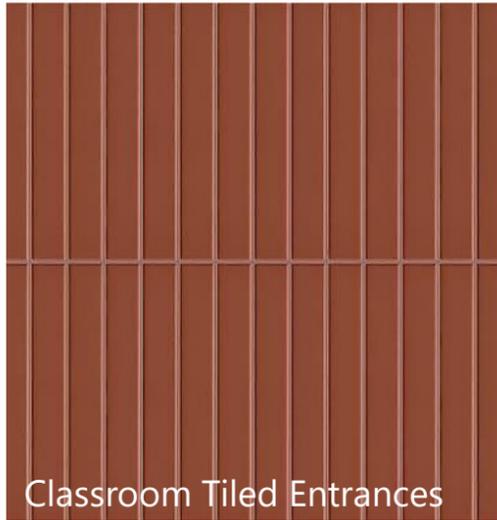


Admin | A-Wing



A-Wing

Classroom | D-Wing Level 1



Classroom Tiled Entrances



Halls Tile Wainscot



Hallway Wall Tile



D-Wing Level 1



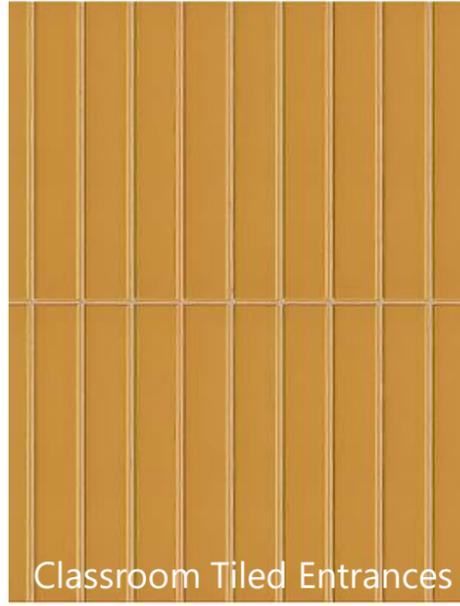
D-Wing 1



Classroom | D-Wing Level 2



Water Fountain +
Bathroom Wet Walls



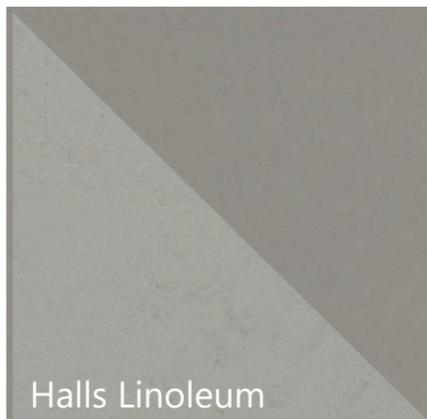
Classroom Tiled Entrances



D-Wing Level 2



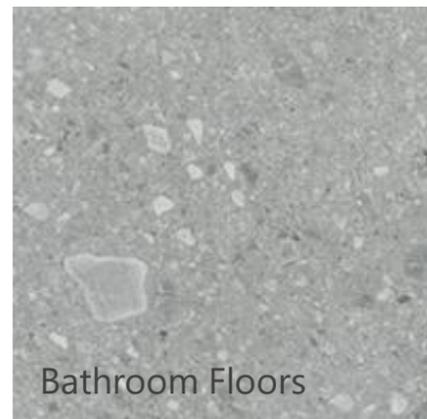
D-Wing Level 2



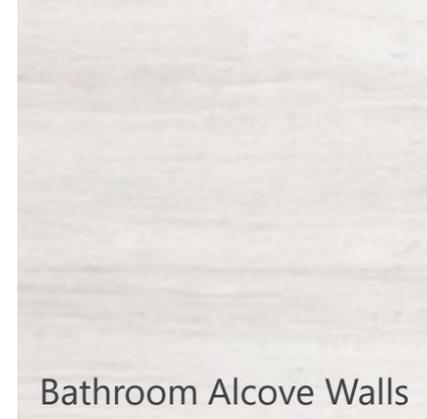
Halls Linoleum



Halls Tile Wainscot



Bathroom Floors

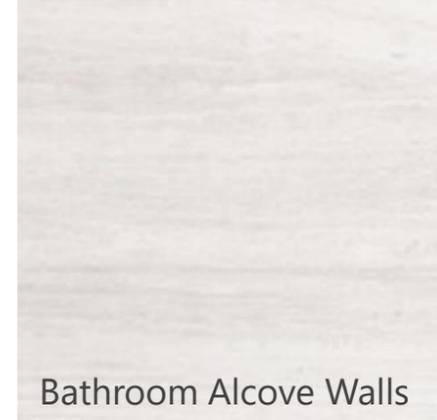
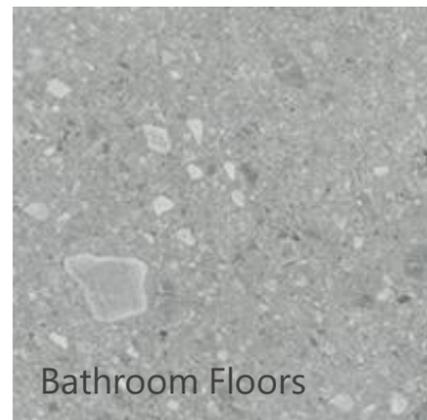


Bathroom Alcove Walls



D-Wing 2

Classroom | E-Wing Level 1



Classroom | E-Wing Level 2



Classroom Tiled



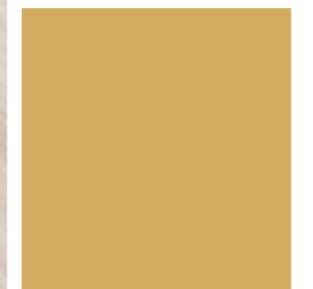
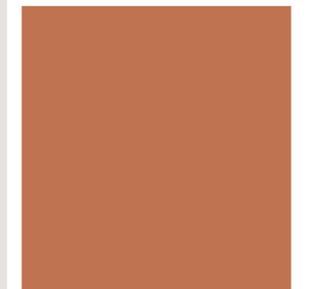
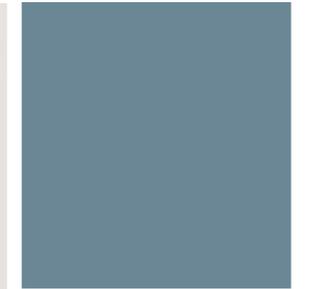
Halls Tile Wainscot



Hallway Wall Tile



E Wing Level 2



Thank you!

JWA | SMMA