Region 18 School Renovation Projects

Board of Education Meeting
December 6, 2023

Region 18 School Renovation Projects

- **Center School**
  34,000 sf
  HVAC Upgrades
  Security/Code & Site Upgrades
- **Lyme/Old Lyme Middle School**
  88,000 sf
  HVAC Upgrades
  Security/Code & Site Upgrades
- **Lyme Consolidated School**
  35,000 sf
  HVAC & FP Upgrades
  Security/Code & Site Upgrades
- **Mile Creek School**
  53,000 sf
  8,600 sf addition
  HVAC & FP Upgrades
  Security/Code & Site Upgrades









LYME-OLD LYME SCHOOLS

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ENGINEERS
INTERIORS

PROJECT SCOPE – CENTER SCHOOL

- **Center School**
- 34,000 sf
- HVAC Upgrades
- Security/Code Upgrades
- Site Upgrades

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PROJECT SCOPE – CENTER SCHOOL

- Security upgrades to entrance vestibule
- Code/ADA compliant upgrades to existing bathrooms
- HVAC & resulting ceiling renovations throughout school
- New BMS & electric rooftop DOAS unit heat pumps, new VRF system, renovate existing perimeter hot water heating to supplement new air system, existing newer oil boiler from Middle School
- Minor site ADA accessibility renovations of walkways
- Renovation of existing courtyards for drainage

- *ADA – American Disabilities Act*
- *HVAC – Heating Ventilation Air Conditioning*
- *BMS – Building Management System*
- *DOAS = Dedicated outdoor air system*
- *VRF = variable refrigerant flow*

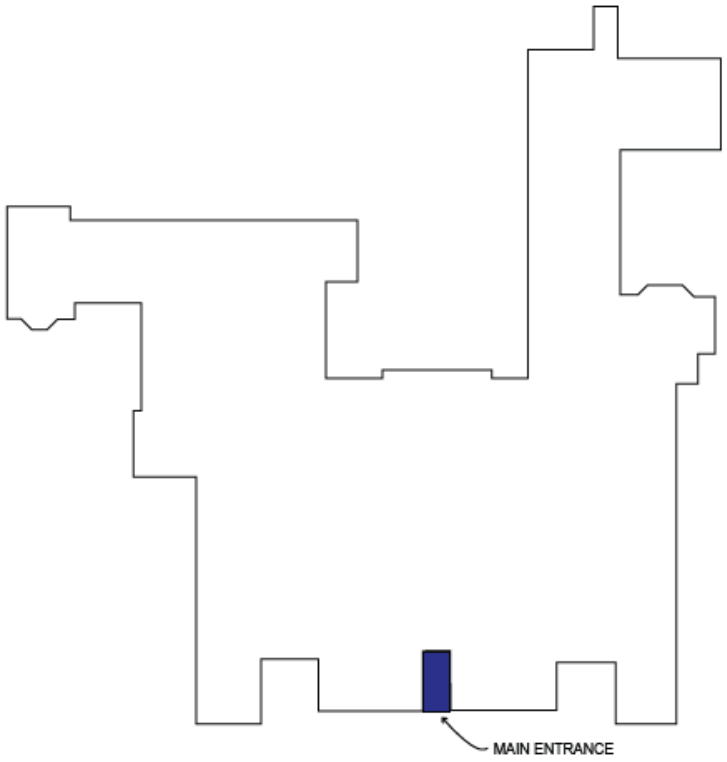
LYME-OLD LYME SCHOOLS

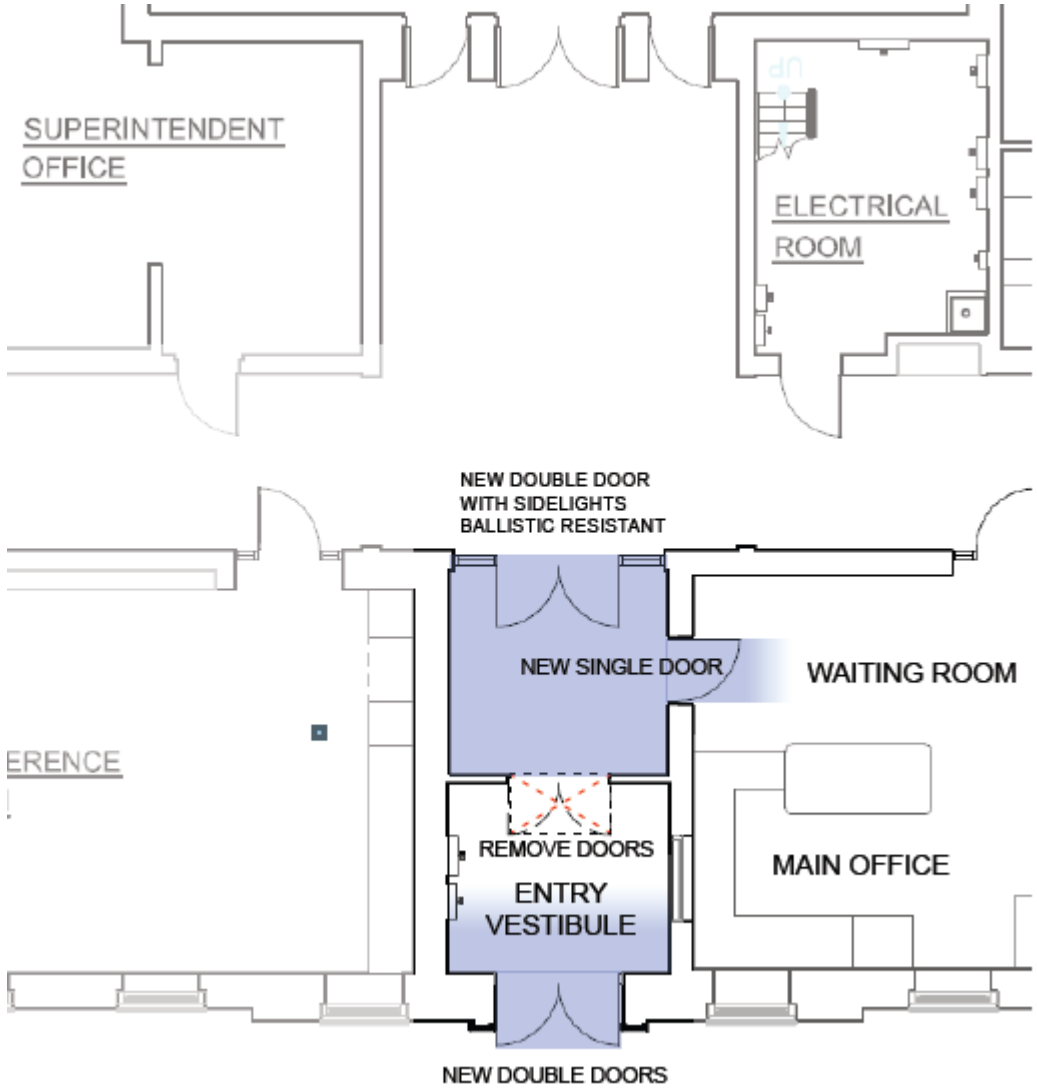
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CENTER SCHOOL – ENTRY VESTIBULE SECURITY RENOVATIONS





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PROJECT SCOPE – LYME/OLD LYME MIDDLE SCHOOL

- **Lyme/Old Lyme Middle School**
- 88,000 sf
- HVAC Upgrades
- Security/Code Upgrades
- Site Upgrades

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PROJECT SCOPE – LYME/OLD LYME MIDDLE SCHOOL

- Security upgrades to entrance vestibule
- Code/ADA compliant upgrades to existing bathrooms
- HVAC & resulting ceiling renovations throughout school
- New BMS & electric rooftop DOAS unit heat pumps, VAV ducted system, renovate/add to existing ductwork, renovate existing perimeter hot water heating to supplement new air system, existing newer oil boiler and tanks to remain
- Minor site ADA accessibility renovations of walkways
- Minor renovations to parking & crosswalk striping
- Minor renovations to HC ramps & sidewalks

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- *DOAS = Dedicated outdoor air system*
- *VAV = variable air volume*

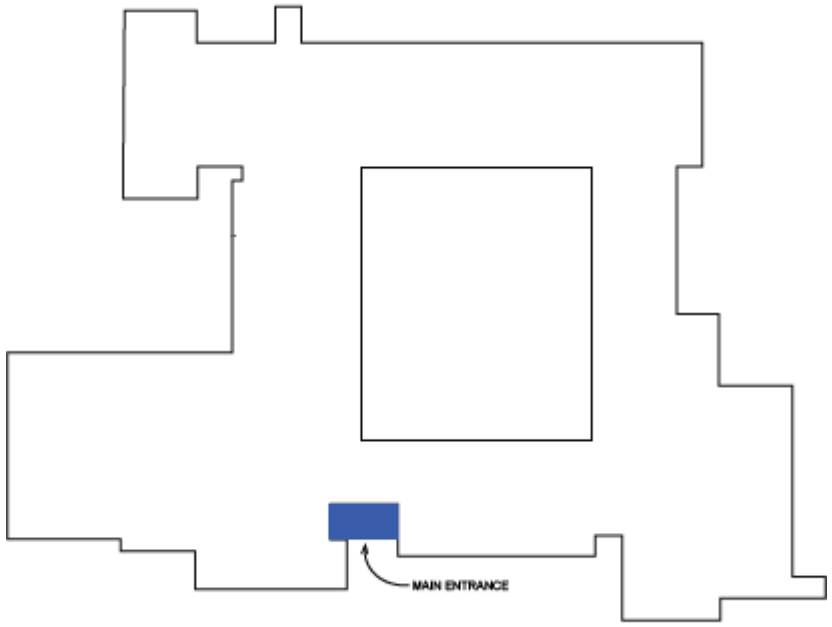
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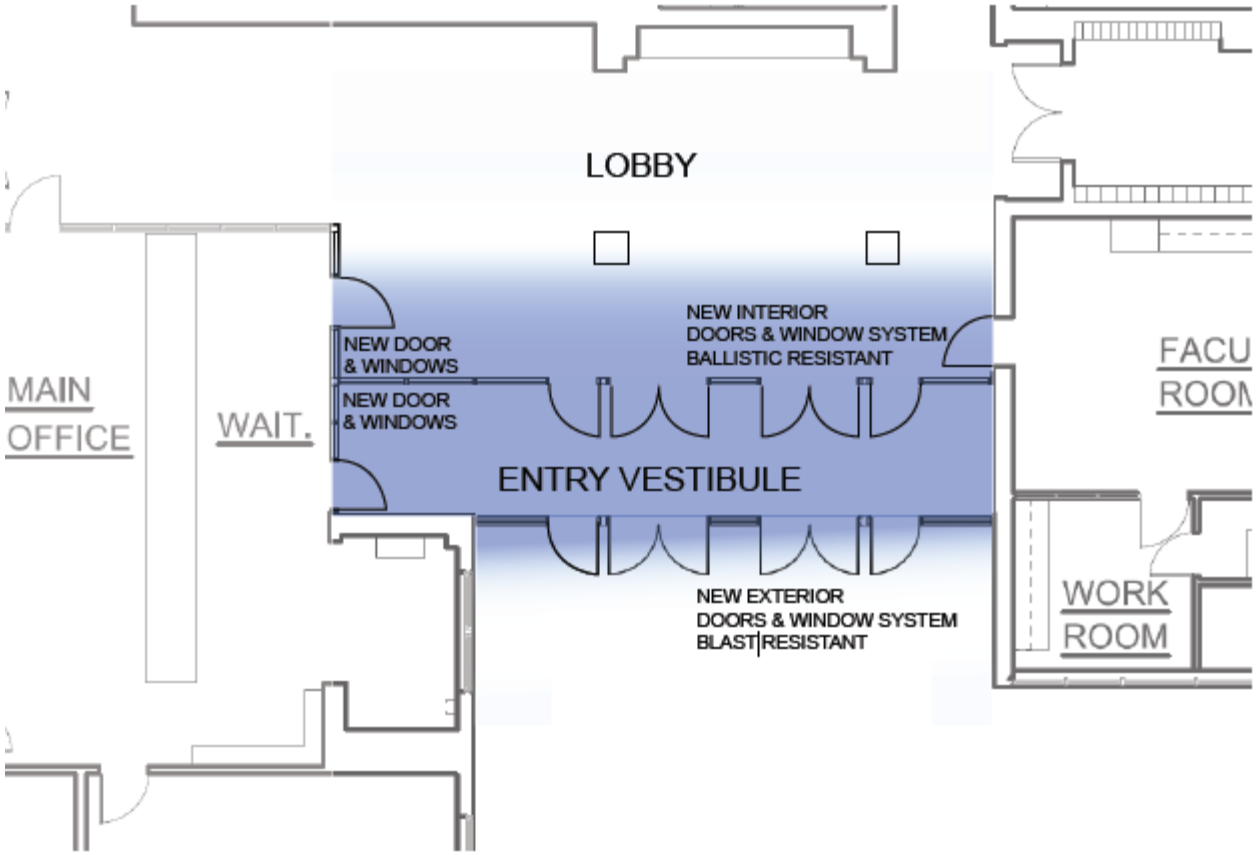
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LYME/OLD LYME MIDDLE SCHOOL - ENTRY VESTIBULE SECURITY RENOVATIONS





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PROJECT SCOPE – LYME CONSOLIDATED SCHOOL

- **Lyme Consolidated School**
- 35,000 sf
- HVAC & FP Upgrades
- Security/Code Upgrades
- Site Upgrades

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PROJECT SCOPE – LYME CONSOLIDATED SCHOOL

- Security Upgrades to entrance vestibule
- Code/ADA compliant upgrades to existing bathrooms
- HVAC, Fire Protection & ceiling renovations throughout school
- New BMS & electric rooftop DOAS unit heat pumps, new VRF system, renovate existing perimeter hot water heating to supplement new air system, replace existing boiler with new high efficiency oil boiler, existing oil tanks.
- New 30,000-gallon underground water tank and new pump house
- Minor site modifications to increase parking

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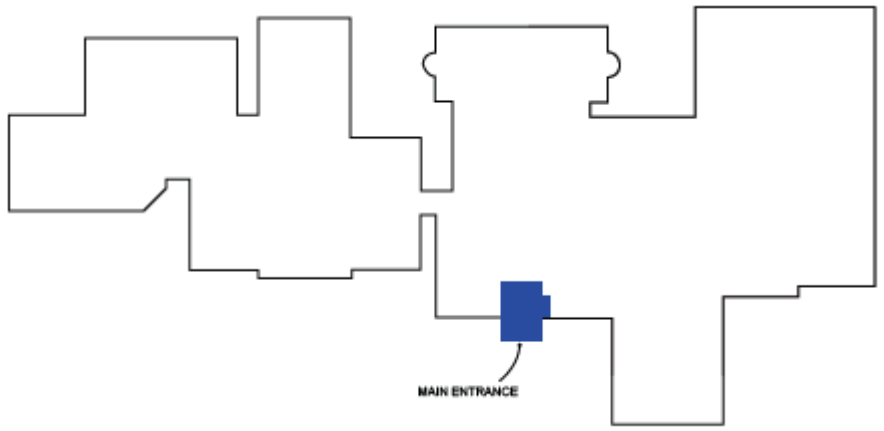
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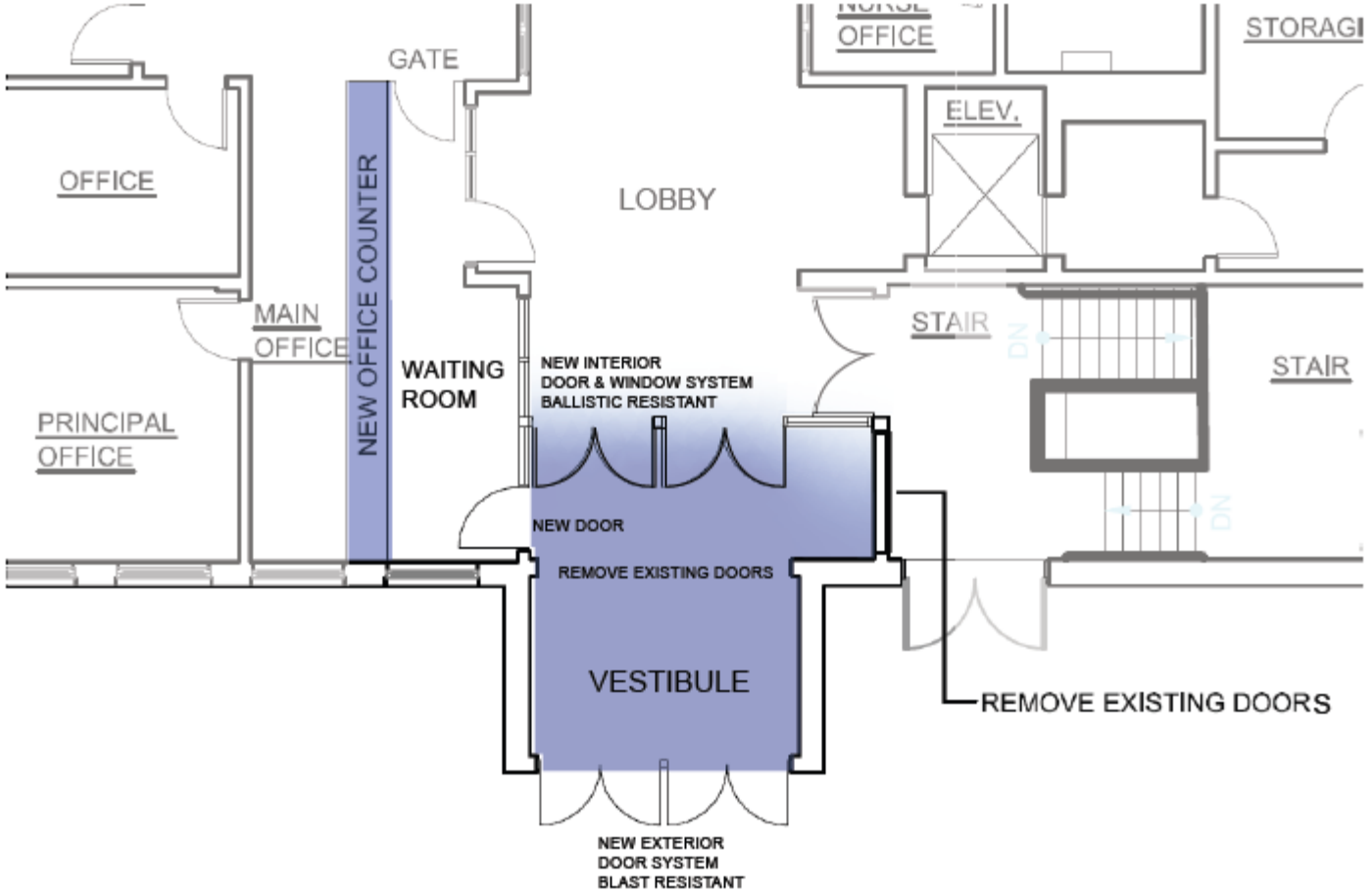
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LYME CONSOLIDATED SCHOOL - ENTRY VESTIBULE SECURITY RENOVATIONS





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Project Scope – Mile Creek School

- **Mile Creek School**
- 53,000 sf
- 8,600 sf addition
- HVAC & FP Upgrades
- Security/Code Upgrades
- Site Upgrades

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PROJECT SCOPE – MILE CREEK SCHOOL

- New 8,600 sf building addition to southwest corner of existing building with 4 new classrooms, faculty conference, workroom & toilets, connection to gymnasium & new courtyard preserving existing gazebo
- Security upgrades to entrance vestibule
- Code/ADA compliant upgrades to existing bathrooms
- HVAC, Fire Protection, ceiling & finish renovations throughout school
- New BMS & electric rooftop DOAS unit heat pumps, new VAV system, exposed ductwork in vaulted ceilings, renovate existing perimeter hot water heating to supplement new air system, replace existing boiler with new high efficiency oil boiler, existing oil tanks
- New electrical service, 30,000-gallon underground water tank and pump house
- Renovation of front (North) side of site with new bus drop & parking for 120
- Renovation to east side parent drop off area
- New stormwater drainage systems above & below ground

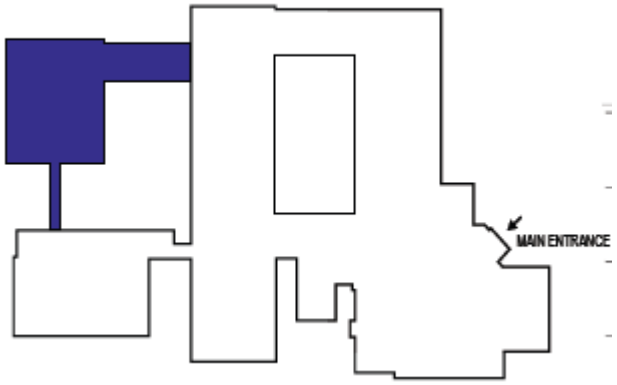
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MILE CREEK SCHOOL - 8,600 SF ADDITION



SPATIAL USE (8600 sq ft)

NEW CLASSROOMS

- SPANISH/GIFTED AND TALENTED
- SPECIAL EDUCATION
- FIFTH GRADE

ADDITIONAL SPACES

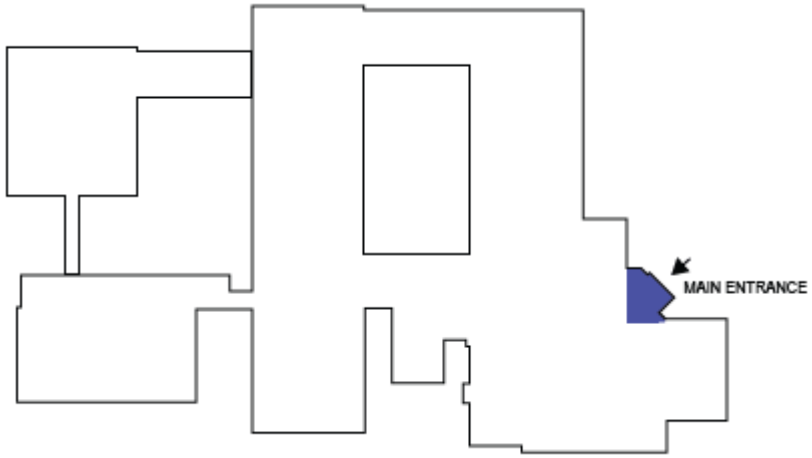
- FACULTY WORK ROOM
- CONFERENCE ROOM
- TOILETS

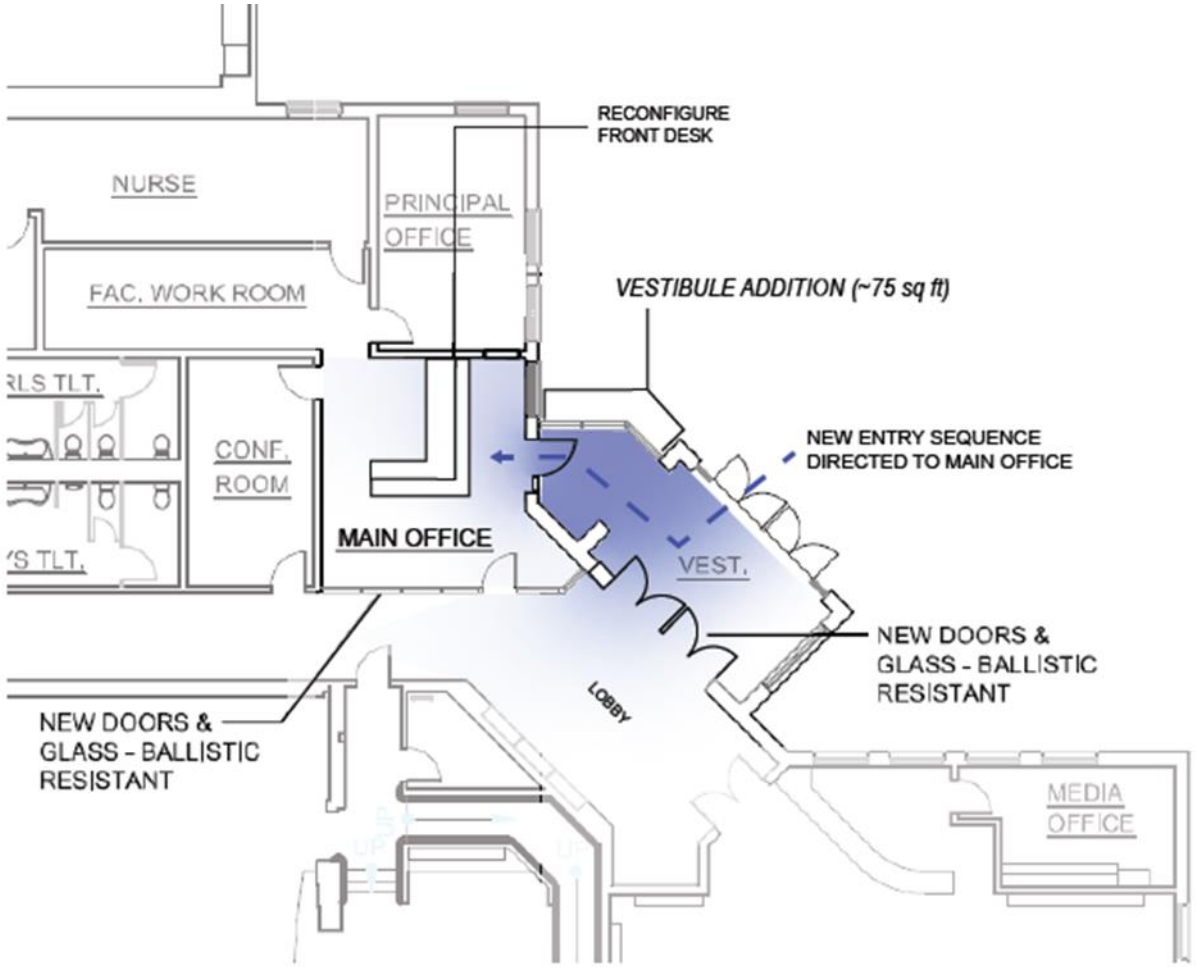


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MILE CREEK SCHOOL – ENTRY VESTIBULE SECURITY RENOVATIONS





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Mile Creek School Addition - Conceptual Rendering



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Mile Creek School Addition - Conceptual Rendering



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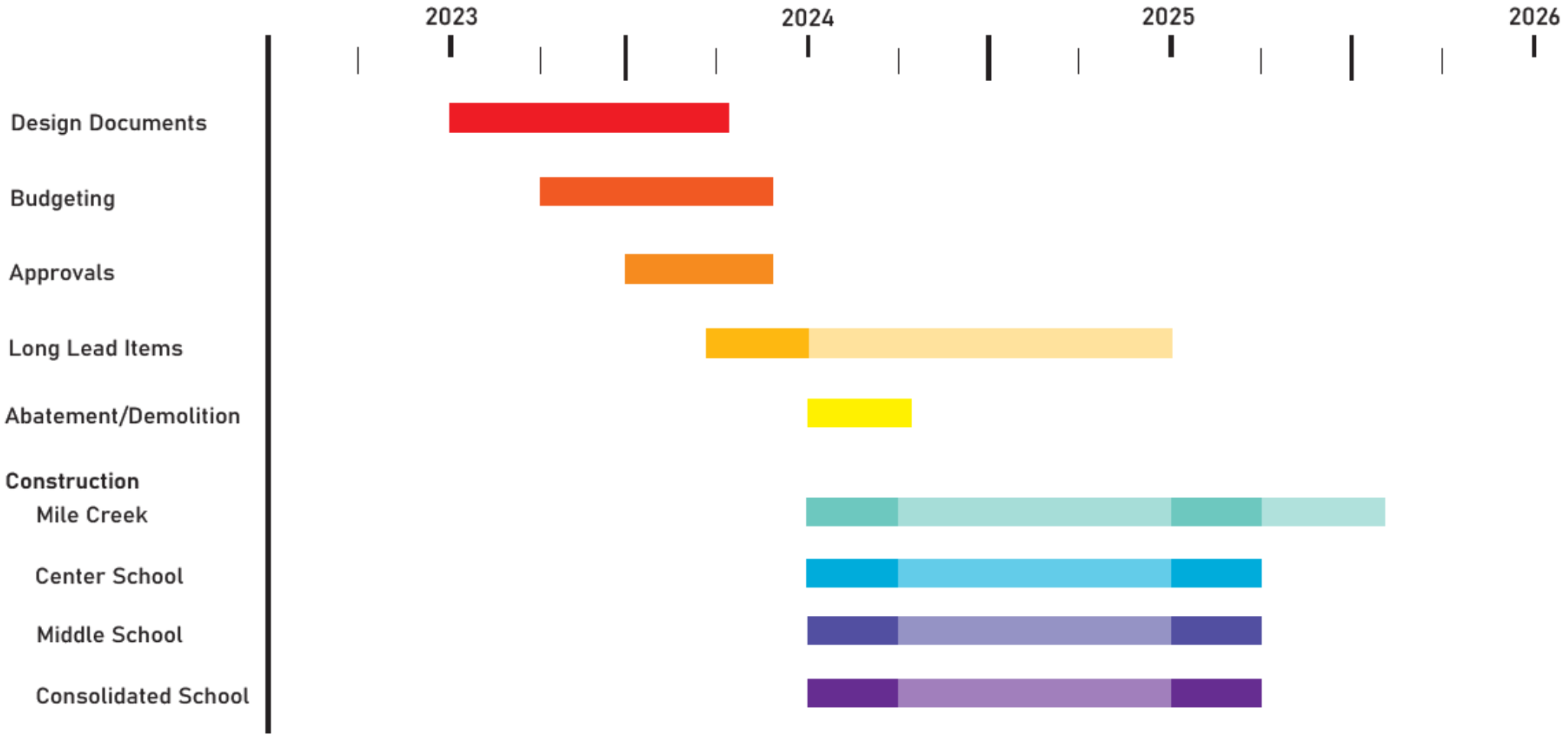
Mile Creek School Addition - Conceptual Rendering



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PROPOSED PROJECT SCHEDULE



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DOWNES CONSTRUCTION COMPANY

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