

# BSD Capital Improvement Plan

## PRIORITY PROJECTS & TIMELINE



**BURLINGTON**  
SCHOOL DISTRICT

# BSD 10 Year Capital Needs

Champlain Elementary School	\$3,942,042
Edmund's Elementary & Middle School	\$10,007,561
Flynn Elementary School	\$844,036
Integrated Arts Academy	\$1,269,772
Sustainability Academy	\$1,299,837
Smith Elementary School	\$352,556
Hunt Middle School	\$6,103,505
IRA Allen	\$3,239,601
Property Services	\$357,956
BHS Accessibility & Maintenance Reserve	\$1,700,000
Design & Contingency	\$9,883,134
<b>Total Needs over 10 years</b>	<b>\$39,000,000</b>

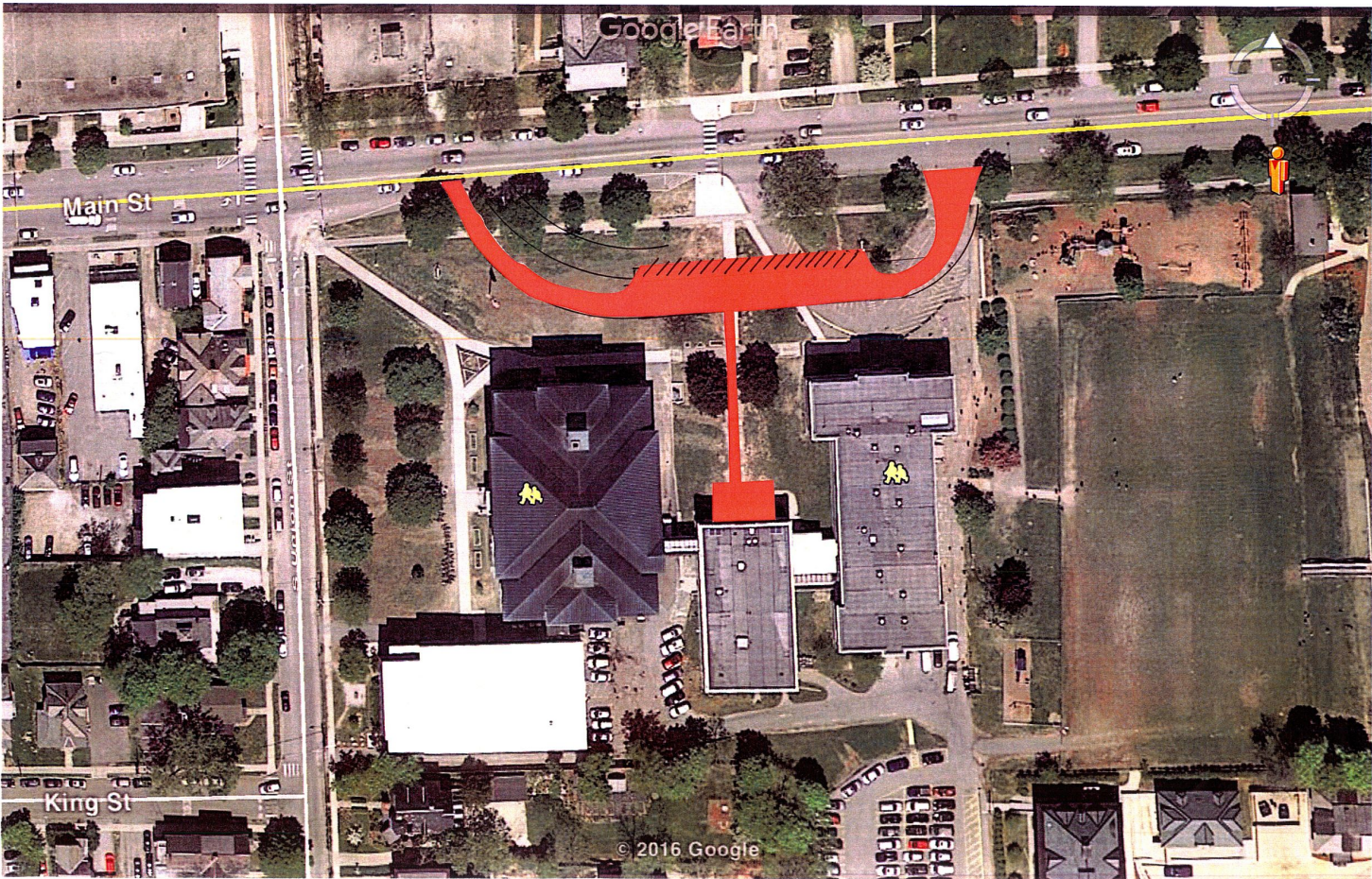
# Year 1 Priorities

- ★ Champlain second floor windows (Complete)
- ★ Voice over IP phone and intercom safety system (Work in Progress)
- ★ Planning and design work
  - Edmunds C building renovations
  - Champlain student drop off lane
  - Elementary school 4 classroom addition
  - IAA building envelope & HVAC upgrade
  - Early Ed Preschool Center

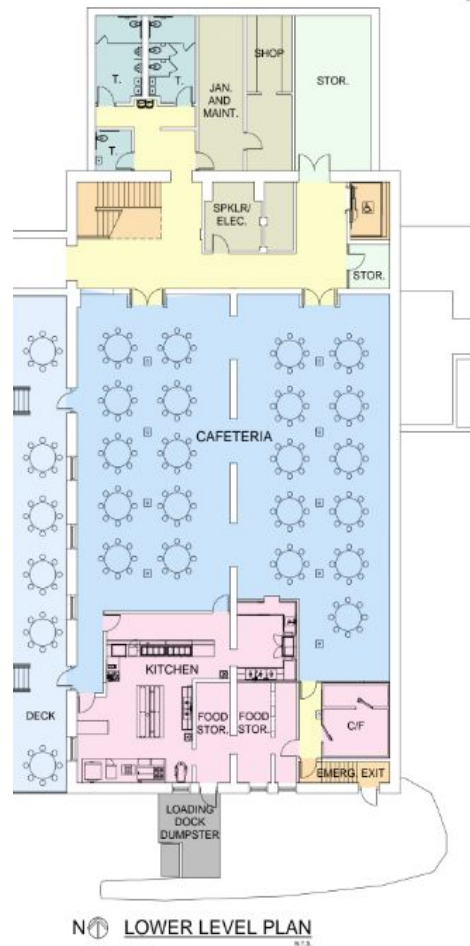


EDMUND'S "C" BUILDING





# EDMUNDS “C”







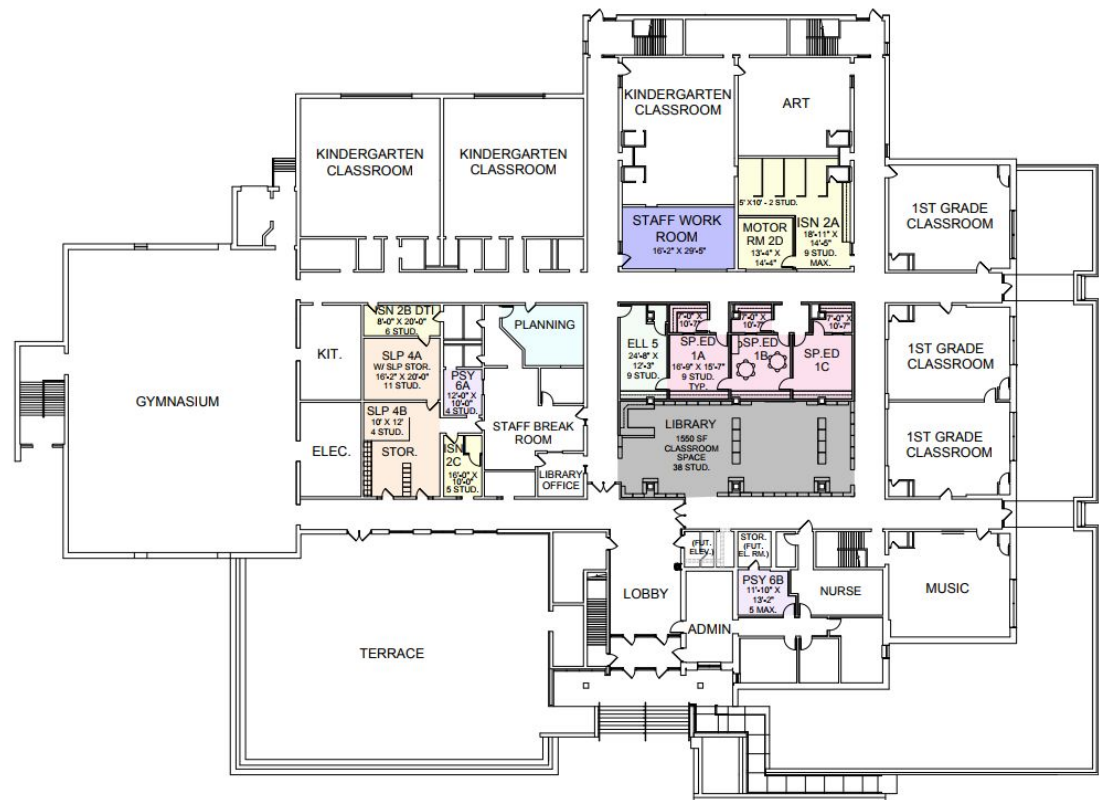
# EDMUNDS “C” BUILDING

Scope of Work	Timeline	Displacement of Students
Basement Cafeteria Renovation, ADA Secure Entrance	Phase I - Summer 2017 (4-6 Month)	NO (Basement overflow PE class ONLY)
Relocation of Admin Staff	Phase II - Summer 2018 (Summer Vacation)	NO

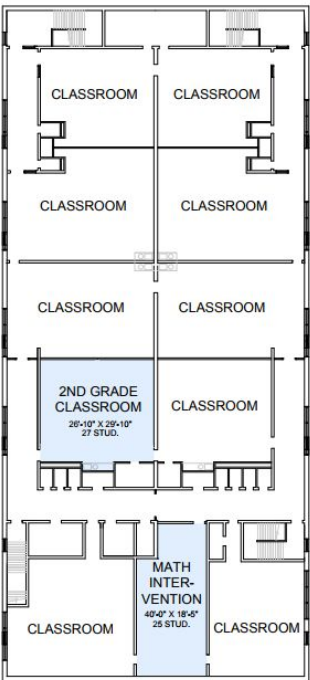



# CHAMPLAIN ELEMENTARY SCHOOL

## CURRENT CONDITION




**FIRST FLOOR PLAN**  
 1/8" = 1'-0"




**SECOND FLOOR PLAN**  
 1/8" = 1'-0"

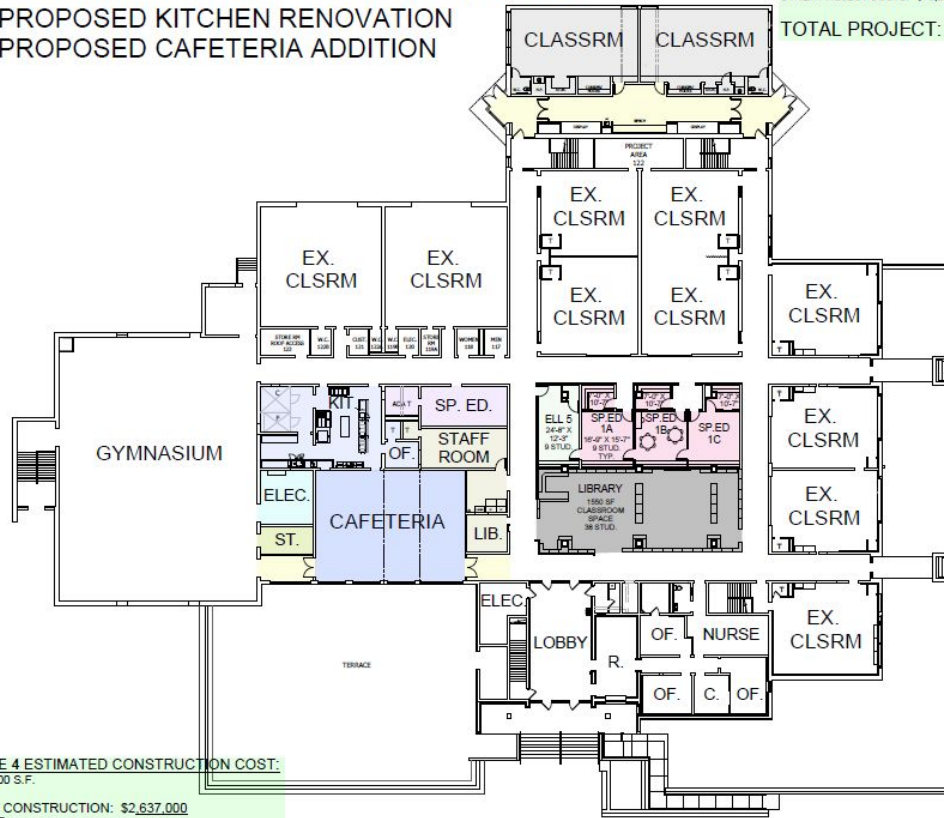
# CHAMPLAIN ELEMENTARY

## PROPOSED CLASSROOM ADDITION AND CLASSROOM RENOVATION W/ DAYLIGHTING

### PROPOSED KITCHEN RENOVATION

### PROPOSED CAFETERIA ADDITION

**PHASE 3 ESTIMATED CONSTRUCTION COST:**  
 +/- 14,000 S.F.  
**TOTAL CONSTRUCTION: \$2,300,000**  
 \$165/S.F. (not including site & below project costs)  
 OWNERS CONTINGENCY: \$175,000  
 PERMITS & DESIGN FEES: \$230,000  
 OTHER PROJECT COSTS: \$75,000.00  
**TOTAL PROJECT: \$2.75 - 3.00 mil.**



**FIRST FLOOR PLAN**  
 1/4" = 1'-0"

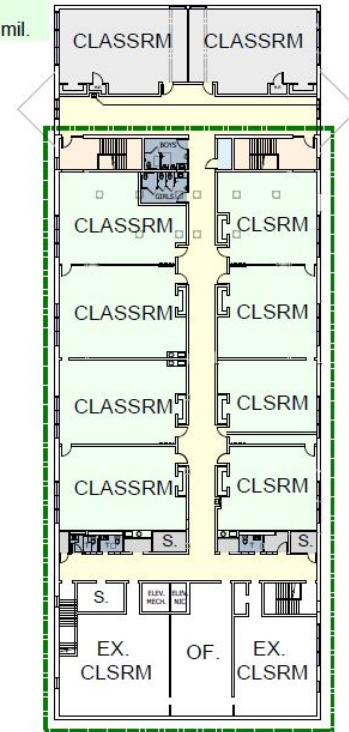
**PHASE 4 ESTIMATED CONSTRUCTION COST:**  
 +/- 14,000 S.F.

**TOTAL CONSTRUCTION: \$2,637,000**  
 \$195/S.F. (not including site & below project costs)

OWNERS CONTINGENCY: \$200,000  
 PERMITS & DESIGN FEES: \$265,000  
 OTHER PROJECT COSTS: \$75,000.00

**TOTAL PROJECT: \$3.00 - 3.25 mil.**

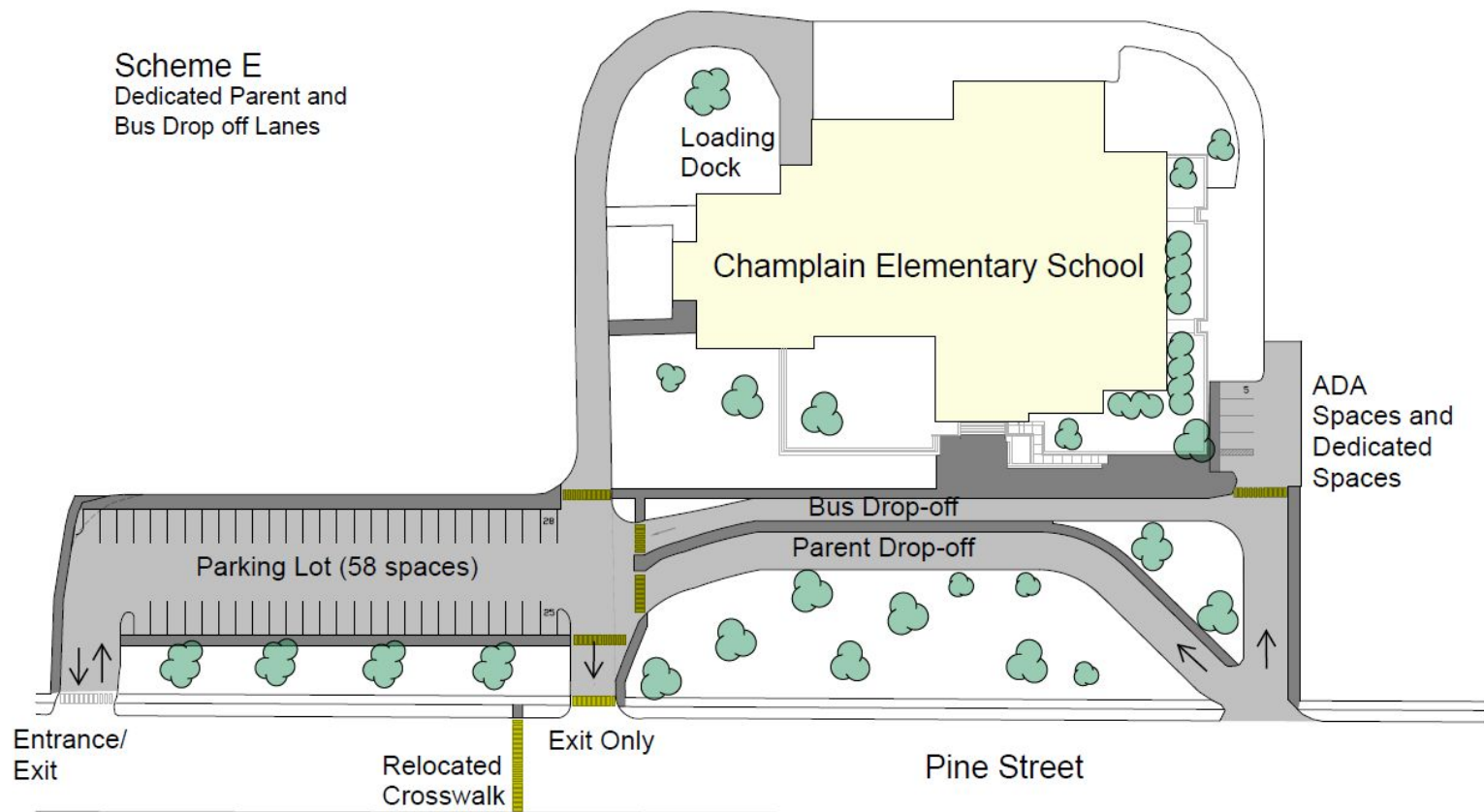
**TOTAL BUDGET: \$ 4.73 MIL**



**SECOND FLOOR PLAN**  
 1/4" = 1'-0"

**\*\* FINAL DESIGN LAYOUT DEPENDENT ON  
PROJECT SEQUENCING, I.E. CROSSOVER  
CORRIDOR AND BATHROOM LOCATIONS**

Scheme E  
Dedicated Parent and  
Bus Drop off Lanes

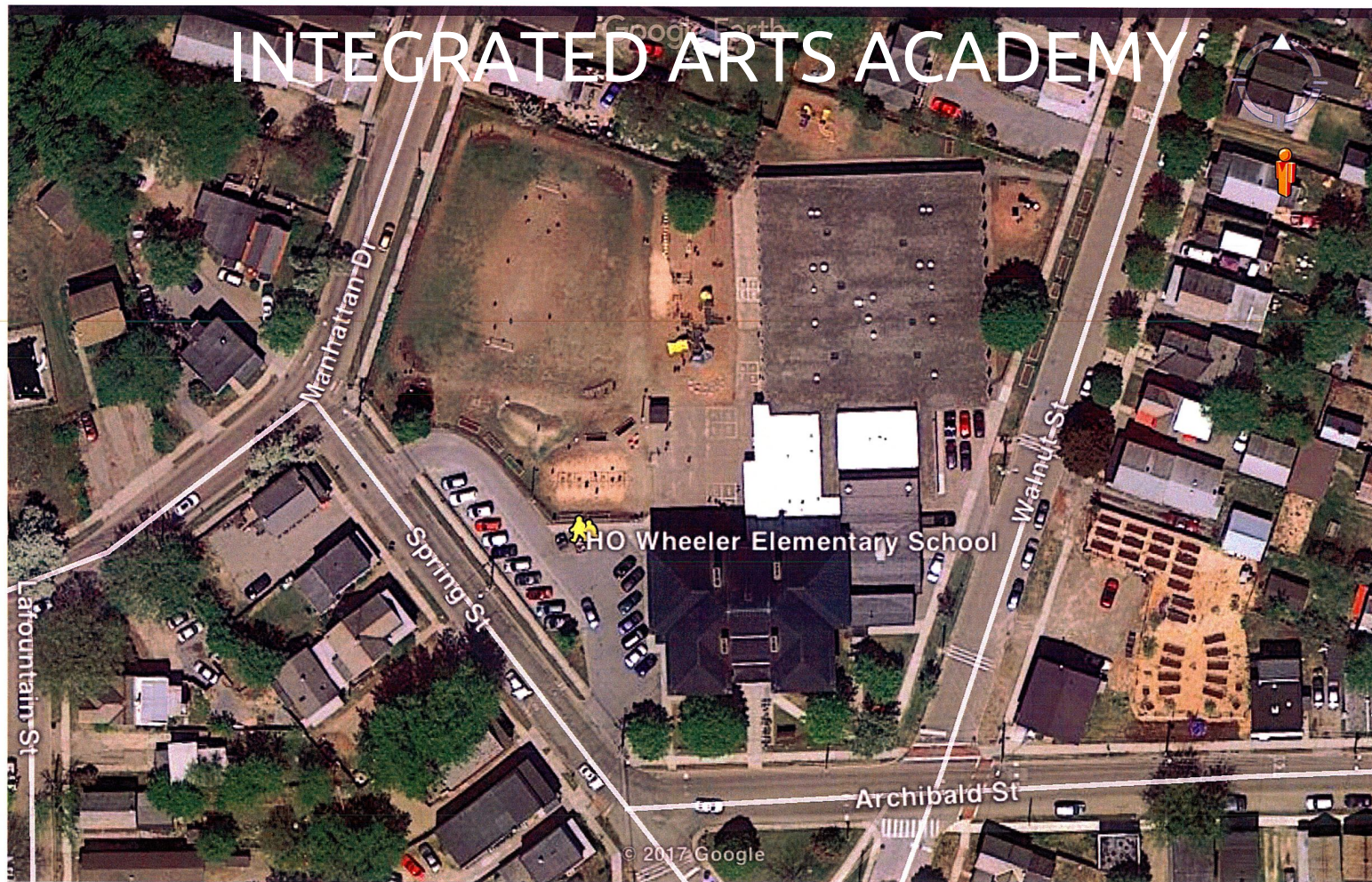


# CHAMPLAIN ELEMENTARY SCHOOL

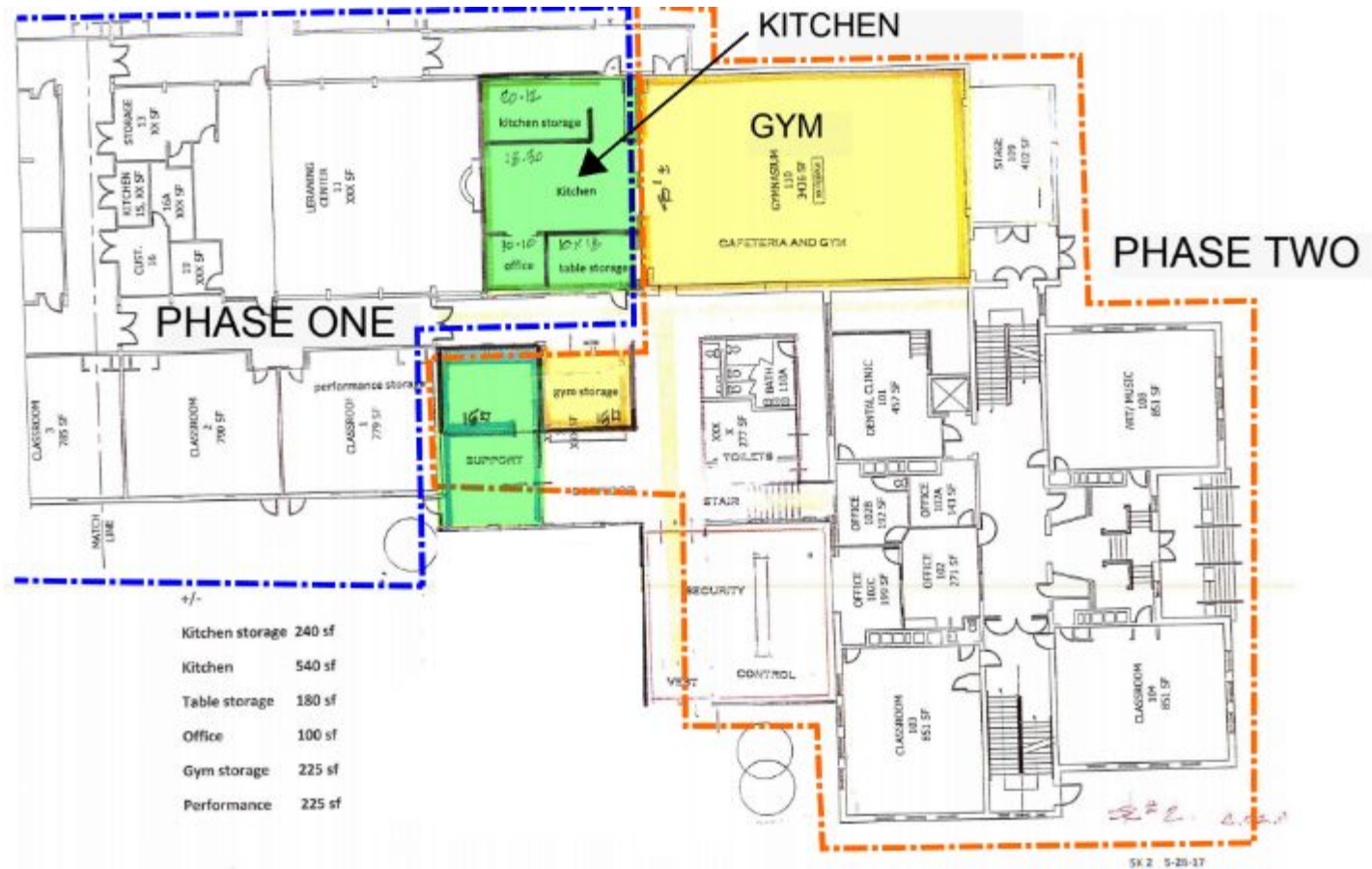
Scope of Work	Timeline	Displacement of Students
Second Floor Renovation, Elevator, 4 Classroom Addition, Cafeteria/Kitchen Renovation & Parent Drop Off	Phased over 2 years	Students may need to be relocated to off site to alternate location



# INTEGRATED ARTS ACADEMY



## PROPOSED RENOVATIONS





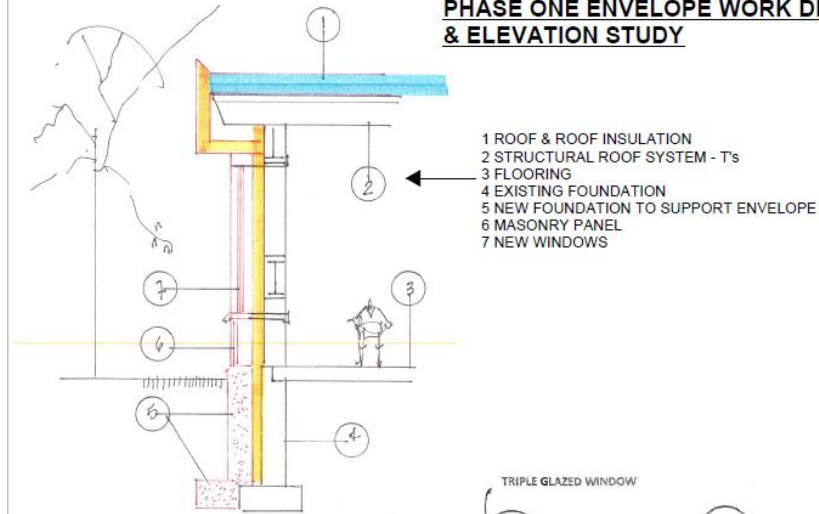








## PHASE ONE ENVELOPE WORK DETAIL & ELEVATION STUDY

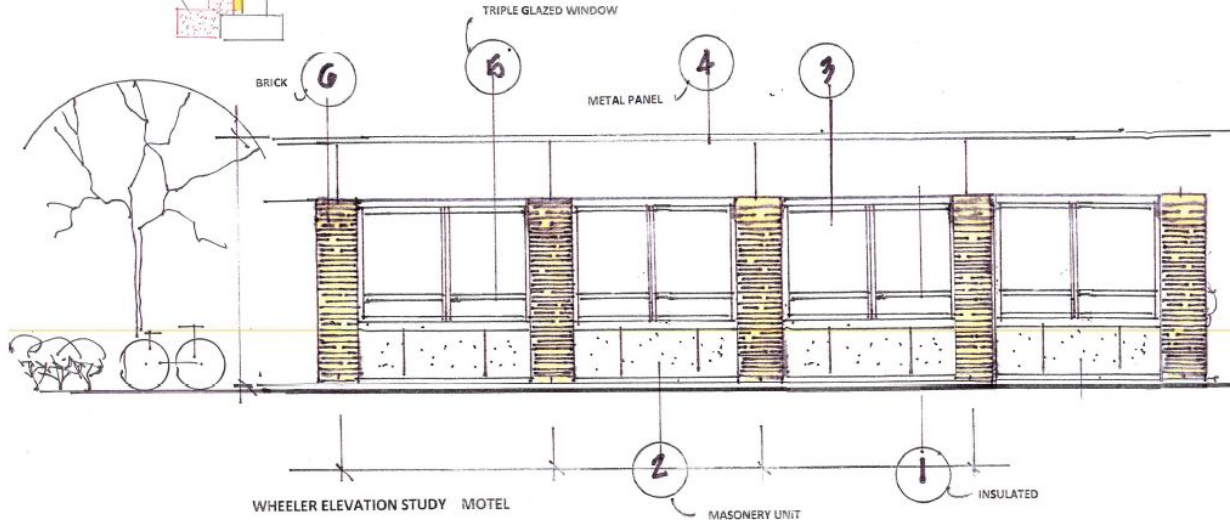


### Wheeler classroom building (ref as the "Motel")

The sketch shows the added enclosure that separates the existing concrete floor, walls and roof system.

The design was focused on the use of pre stressed concrete ties and a reinforced concrete frame. The amount of transfer is major and the approach is to excavate next to the existing foundation and add ridged insulation to separate the parts from top to bottom. The roof at some time requires added insulation that will be several inches thick and the exposed projections of the concrete structure needs to be encapsulated to separate the skin and frame. It is most difficult to achieve this from the inside.

The thermal performance of the glazing can be increased using a triple glazed system which will provide a completely different aesthetic and a bright and pleasant interior.



WHEELER ELEMENTARY SCHOOL

WHEELER ELEMENTARY SCHOOL

COLIN P. LINDBERG, A.L.A.  
208 FLYNN AVENUE, SUITE 2B  
BURLINGTON, VT 05401  
802.684.4890

4 AS CROWN & STREET  
BURLINGTON, VT 05401

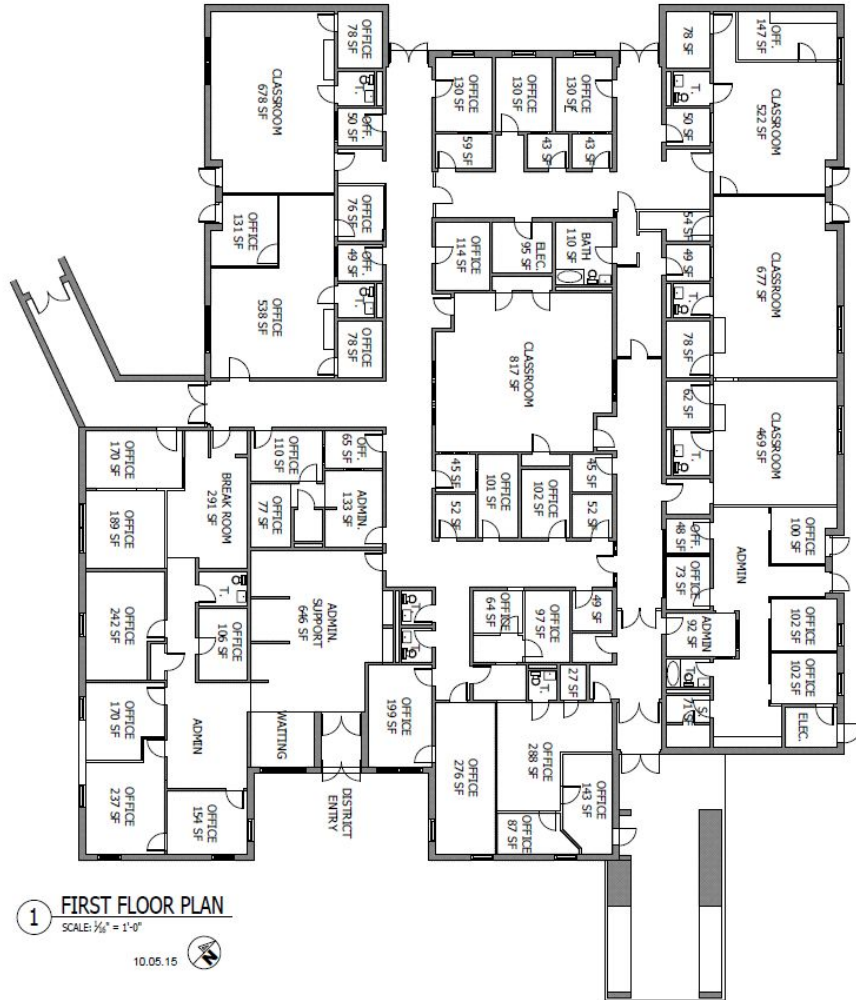


# INTEGRATED ARTS ACADEMY

## IAA

Scope of Work	Timeline	Displacement of Students
Building Windows & Envelope, Cafeteria Renovation and ADA Secure Entrance	Phased over 2 Years	Half the student body relocated to off site to alternate location for several months

150 Colchester Ave.  
Existing Floor Plan

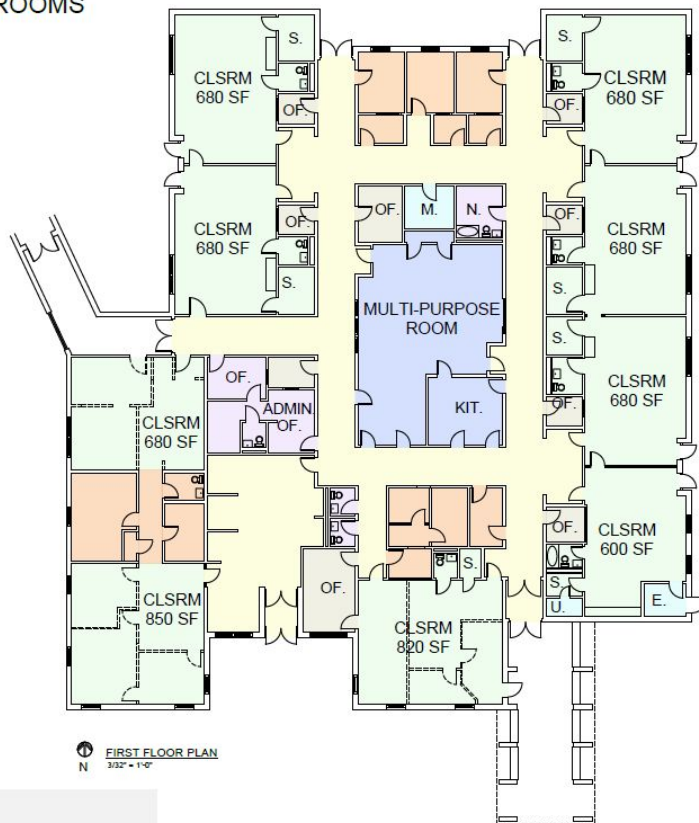




**IRA ALLEN (EEE)**  
**PROPOSED LOCATION FOR**  
**DISTRICT PRE-SCHOOL CLASSROOMS**

- CLASSROOM
- MULTI-PURPOSE RM/ KITCHEN
- ADMINISTRATION
- OFFICE SPACE
- MECHANICAL/ELEC.
- PROGRAM SPACE T.B.D.

**CENTRALLY LOCATED**  
**EARLY ED CENTER**  
**INITIAL OPTION**  
**PLAN "A"**



**PLAN/SITE LIMITATIONS:**  
 NO STAFF BREAK ROOM IN PLAN  
 LIMITED OFFICE & STAFF WORK ROOM EXPANDABILITY  
 LIMITED CLASSROOM GROWTH POTENTIAL ON SITE



EEC AND ADMINISTRATION BUILDING  
SITE PLAN

NTS





SITE CIRCULATION  
& SAFETY  
IMPROVEMENT  
CONCEPTS

USE LIGHT  
FOR CROSS  
TRAFFIC  
CIRCULATION  
NEEDS

PROVIDE  
BUS LANE

IMPROVE  
TRAFFIC/PEDESTRIAN  
CIRCULATION PATTERN  
& PARKING LAYOUT

RIGHT TURN  
IN/OUT  
ONLY



IRA ALLEN (EEE)  
PROPOSED LOCATION FOR  
DISTRICT PRE-SCHOOL CLASSROOMS



SOUTH ELEVATION PHOTOS  
TOP PHOTO: CURRENT EEE ENTRANCE  
BOTTOM PHOTO: CURRENT ADMIN. ENTRANCE

CENTRAL LOCATED  
EARLY ED CENTER  
PLAN "A"

ESTIMATED CONSTRUCTION COST:

SITE WORK\*: \$350,000\* (\*PLACE HOLDER)  
DIVISION 1 (GEN. COND. & MARK UP): \$537,000  
BUILDING DEMO: \$ 89,000  
CONCRETE: \$ 13,000  
MASONRY: \$ 43,000  
METALS: \$ 52,000  
CARPENTRY: \$116,000  
THERMAL & MOISTURE PROTECTION: \$361,000  
DOORS & WINDOWS: \$337,000  
FINISHES: \$217,000  
SPECIALTIES: \$ 11,000  
EQUIPMENT: \$ 60,000  
FURNISHINGS: \$ 10,000  
MECHANICAL: \$950,000  
PLUMBING: \$130,000  
FIRE SPRINKLER:  
FIRE ALARM: \$ 59,000  
ELECTRICAL: \$271,000

**TOTAL CONSTRUCTION: \$3,603,000**  
\$182/S.F. (not including site & below project costs)

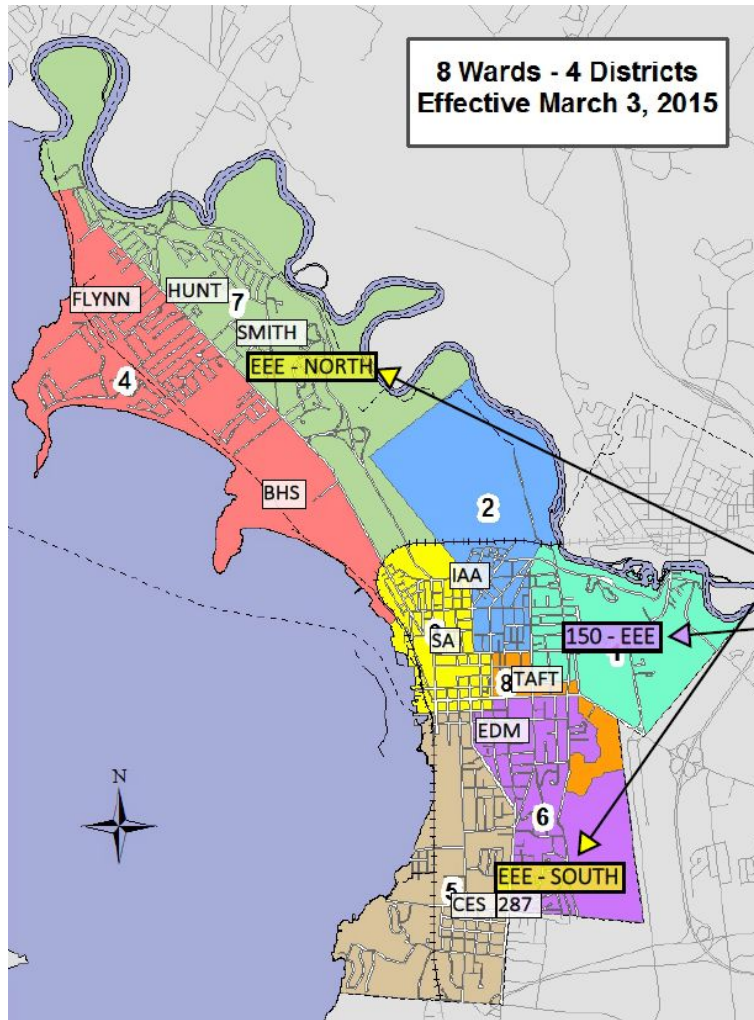
ESTIMATING CONTINGENCY: \$488,000  
OWNERS CONTINGENCY: \$325,000  
PERMITS & DESIGN FEES: \$390,000  
OTHER PROJECT COSTS: \$145,000.00  
(CLERK, LEGAL, ADVERTISING, PRINTS)

**TOTAL PROJECT: \$4.5 - 5.0 mil.**

**BUDGET: \$ 3.25 MIL**



8 Wards - 4 Districts  
Effective March 3, 2015



# PLAN "B"

## NORTH & SOUTH END PRESCHOOLS

### PROPOSED PRE - SCHOOL CENTERS:

EEE - NORTH: Early Essential Education North School - Located on C.P. Smith Site

EEE - SOUTH: Early Essential Education South School and Primary Office\* - Located at 287 Shelb. Rd. Site  
\* 2nd Level Classroom expansion or BSD Administration Offices

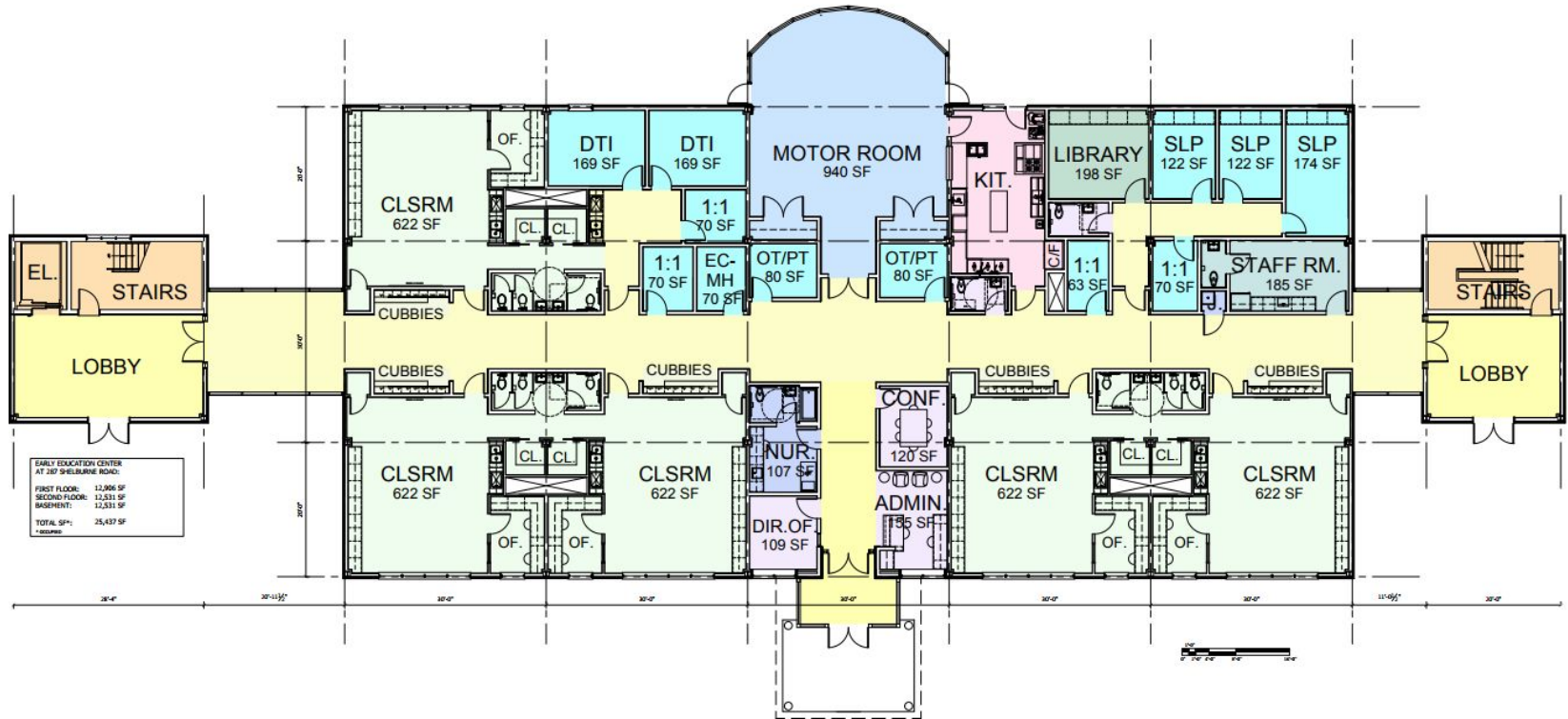
### EXISTING EEEEC LOCATION - CENTRAL CONCEPT:

# SOUTH END EARLY ED CENTER

287 Shelburne Road



SOUTH END EARLY ED CENTER  
287 Shelburne Road



ESTIMATED CONSTRUCTION COST:  
+/- 9,000 S.F.

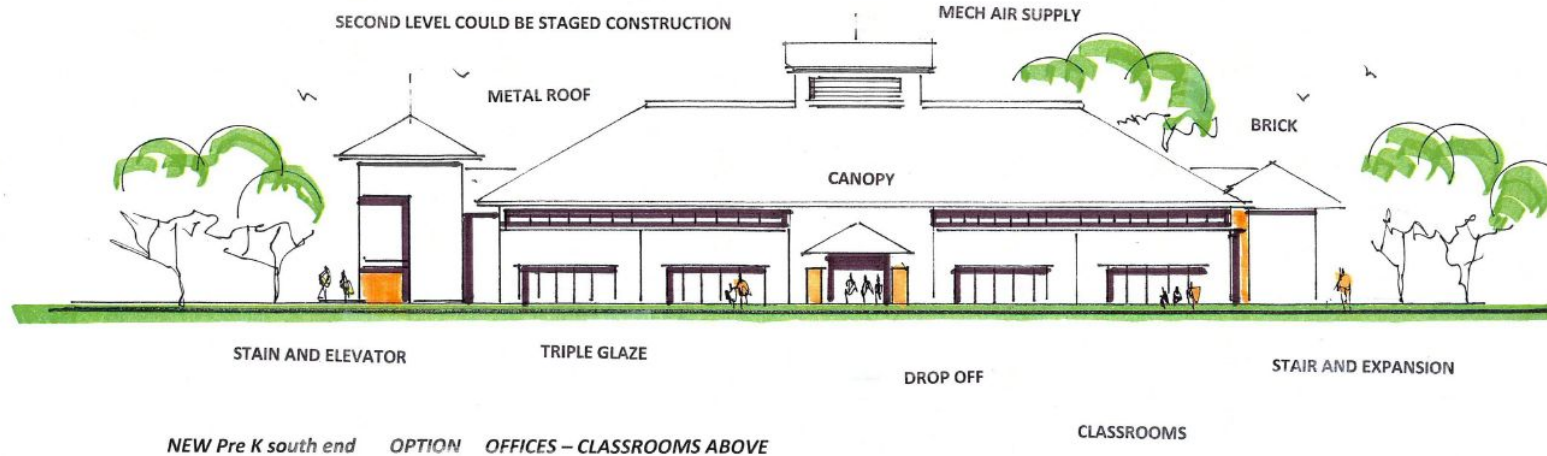
TOTAL CONSTRUCTION: \$2,250,000  
\$250/S.F. (not including site & below project costs)

OWNERS CONTINGENCY: \$168,750  
PERMITS & DESIGN FEES: \$270,000  
OTHER PROJECT COSTS: \$100,000.00

TOTAL PROJECT: \$2.75 - 3.00 mil.

BUDGET: \$ 3.25 MIL

## SOUTH END EARLY ED CENTER 287 Shelburne Road



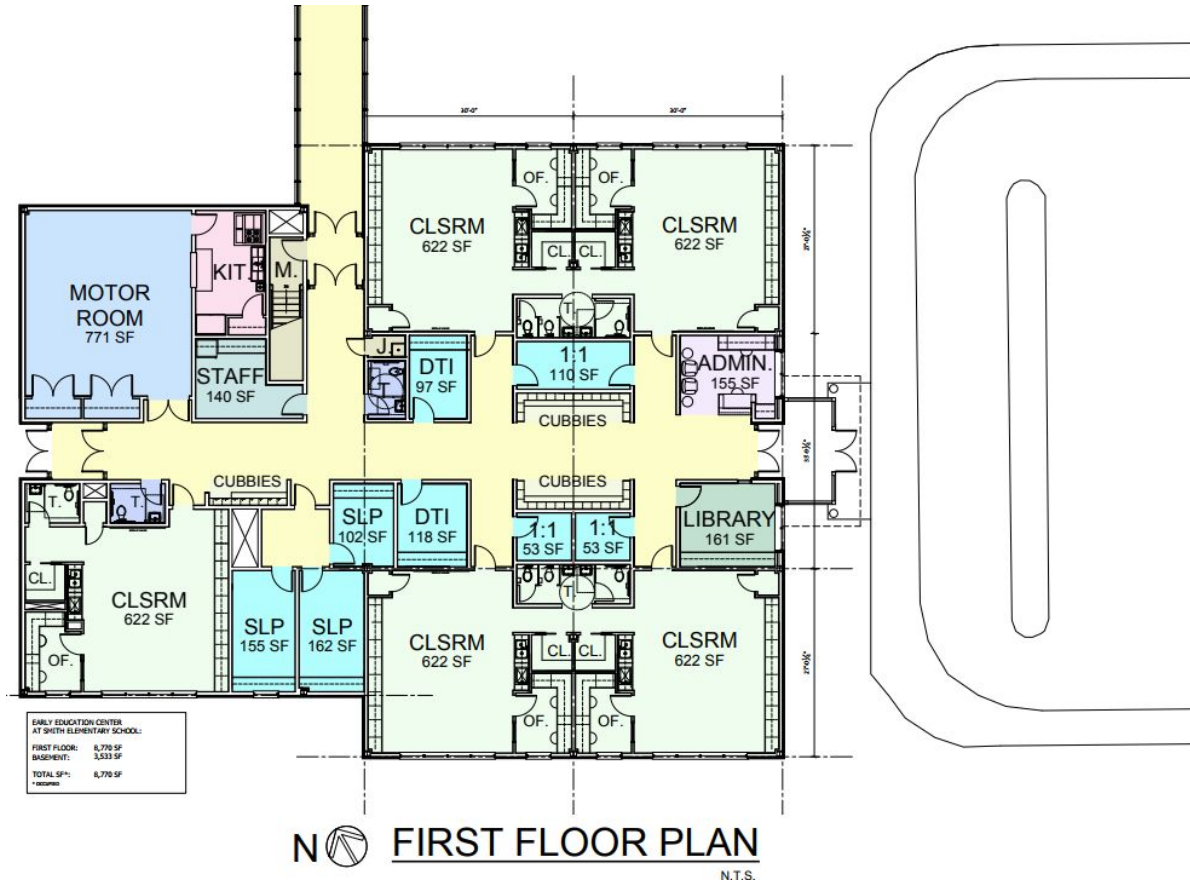


# NORTH END SATELLITE PRESCHOOL PROGRAM





# NORTH END SATELLITE PRESCHOOL PROGRAM



C.P. SMITH ELEMENTARY SCHOOL  
332 ETHAN ALLEN PARKWAY - BURLINGTON, VERMONT

## NORTH END SATELLITE PRESCHOOL PROGRAM

### ESTIMATED CONSTRUCTION COST:

NEW ADDITION: +/- 7,000 S.F.

**TOTAL CONSTRUCTION: \$1,750,000**

\$250/S.F. (not including site & below project costs)

OWNERS CONTINGENCY: \$100,000

PERMITS & DESIGN FEES: \$200,000

OTHER PROJECT COSTS: \$50,000.00

**TOTAL PROJECT: \$2.25 - 2.50 mil.**

**BUDGET: \$ 3.25 MIL**



FOUR CLASSROOM PRE K ADDITION

EAST ELEVATION

# PRESCHOOL OPTIONS

School	Project Scope	Timeline	Displacement of Students	Estimated Project Cost
Central Early Ed Center	9 Classroom Renovation at 150 Colchester Ave	8-10 Month Construction Period MAY 18' - JAN/FEB 19'	Relocate Admin Staff to leased office space - PreK occupancy presence during construction period	\$ 4.5 - 5.0 mil
North & South End Programs	New 5 Classroom Center at 287 Shelburne Rd. New 5 Classroom Satellite Program 332 Ethan Allen Parkway and	12-14 Month Construction Period (2 summers & 1 academic year) MAY 18' - AUG 19'	NO	\$ 5.0 - 5.5 mil

# NORTH END AND SOUTH END PRESCHOOL OPTION SUMMARY

## OPTION “B” NORTH & SOUTH PROGRAMS

- Ira Allen used as swing space for displacement of students from other sites during renovation
  - Upon completion of other capital improvement projects building could be used for alternate programs or sold
- More convenient for north and south end families
- Greater program support options available being adjacent to existing elementary school
- More efficient bus routes with less travel time for students
- Both sites allow for potential future growth
- Building could be designed to accommodate additional programs on second floor
- Proposed site work for both north and south programs also provide significant improvements to Champlain & Smith for student drop off and pick up
- Potential additional Act 166 funding available

## BSD Capital Plan Priority Projects

School	Project Scope	Timeline	Displacement of Students	Estimated Project Cost
Edmunds Elementary & Middle School	"C" Building ADA Secure Entrance & Separate Cafeteria	Summer 2018	NO (Basement overflow PE class ONLY)	\$ 3.25 - 3.5 mil
	EES Entrance and Admin Office	Summer 2019	NO	
EEE Option B	North & South End Programs	Summer 2018	NO	\$ 5.0 - 5.5 mil
Champlain Elementary School (CES)	Student Drop Off Lane	Summer 2018	NO	\$ 5.75 - 6.25 mil
	Second Floor Renovation, 4 Classroom Addition & Cafeteria/Kitchen Renovation	Phased over 2 years Starting Summer 2019	Students may need to be relocated to off site to alternate location	
Integrated Arts Academy (IAA)	Building Windows & Envelope, Cafeteria Renovation and ADA Secure Entrance	Phased over 2 years Starting Summer 2019	Half the student body relocated to off site alternate location for several months	\$ TBD



Cultivating caring, creative, and  
courageous people. Join the journey!

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