

Lincoln High School

Master Plan, RIDE Stage II

January 26, 2017



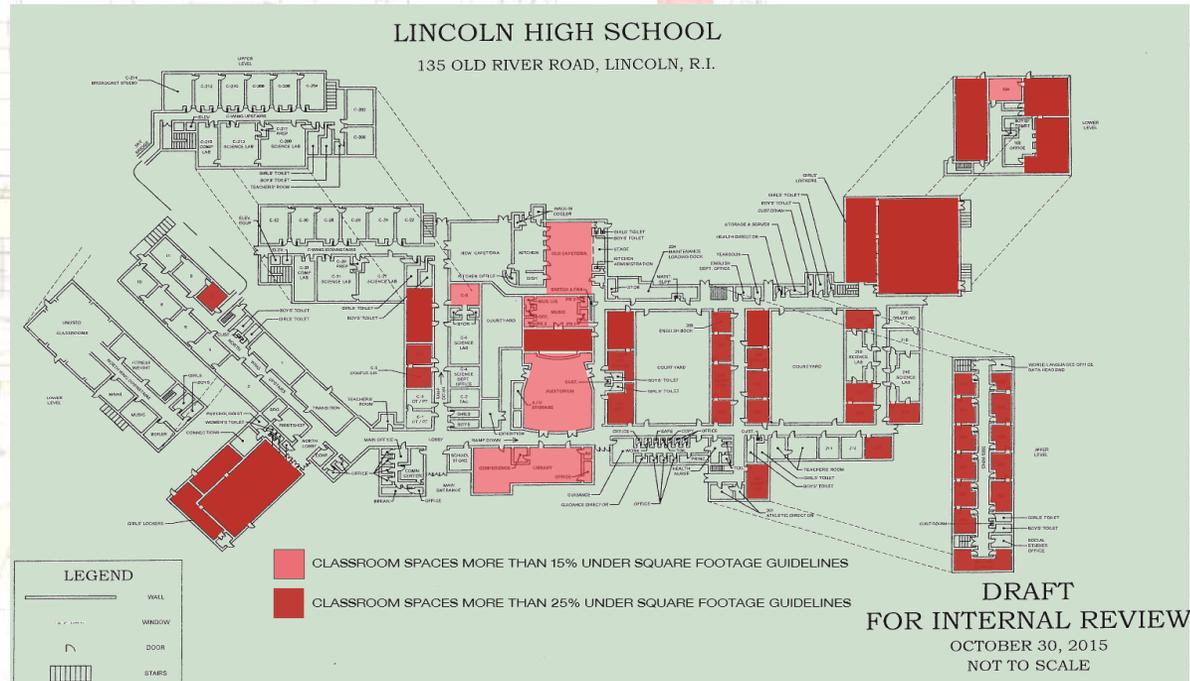
Incorporated 1871

Agenda

- Lincoln's RIDE Stage II Submittal
- Need for Renewal of your High School
- Educational Space
- Alternatives Considered for Renewal
- Preferred Alternative
 - Educational Program
 - Improved Delivery of your Curriculum
 - Expansion
 - Central Administration and Facilities
 - Phasing – Demolition, Construction and Student Life
 - Air Conditioning Alternatives
- Purpose of your Vote
- Precedents

Project Need

- Excess Capacity
- Undersized Spaces
- Accessibility
- Systems Obsolesces: *Facility Assessment*
- Cost: *Protecting Obsolete Assets*



Capacity, Target Enrollment

| Projected Enrollment in Grade Combinations* | | | | | | | | | |
|---------------------------------------------|------|------|-----|------|-----|-----|-----|------|------------|
| Year | PK-1 | K-5 | 2-5 | K-8 | 5-8 | 6-8 | 7-8 | 7-12 | 9-12 |
| 2015-16 | 505 | 1273 | 869 | 2036 | 992 | 763 | 492 | 1381 | 889 |
| 2016-17 | 502 | 1246 | 845 | 1996 | 961 | 750 | 505 | 1348 | 843 |
| 2017-18 | 482 | 1243 | 862 | 1975 | 944 | 732 | 506 | 1339 | 833 |
| 2018-19 | 508 | 1257 | 850 | 1946 | 919 | 689 | 462 | 1333 | 871 |
| 2019-20 | 535 | 1262 | 828 | 1953 | 895 | 691 | 445 | 1285 | 840 |
| 2020-21 | 522 | 1272 | 851 | 1955 | 911 | 683 | 465 | 1278 | 813 |
| 2021-22 | 504 | 1260 | 857 | 1959 | 899 | 699 | 455 | 1253 | 798 |
| 2022-23 | 510 | 1280 | 871 | 1948 | 875 | 668 | 454 | 1234 | 780 |
| 2023-24 | 516 | 1296 | 881 | 1966 | 898 | 670 | 449 | 1207 | 758 |
| 2024-25 | 518 | 1291 | 874 | 1962 | 906 | 671 | 427 | 1199 | 772 |
| 2025-26 | 515 | 1276 | 862 | 1984 | 922 | 708 | 457 | 1217 | 760 |

Total projections have averaged 4 students (1/2% + or -) compared to actual enrolment.

Alternatives Considered

Asset Protection

- 194,673 SF
- \$ 50,401,109



New Construction

- 156,000 SF
- \$74,876,000



Renovation Only

- 170,760 SF
- \$44,210,000



Additions & Renovations

- 169,000 SF
- \$59,802,480



Legend



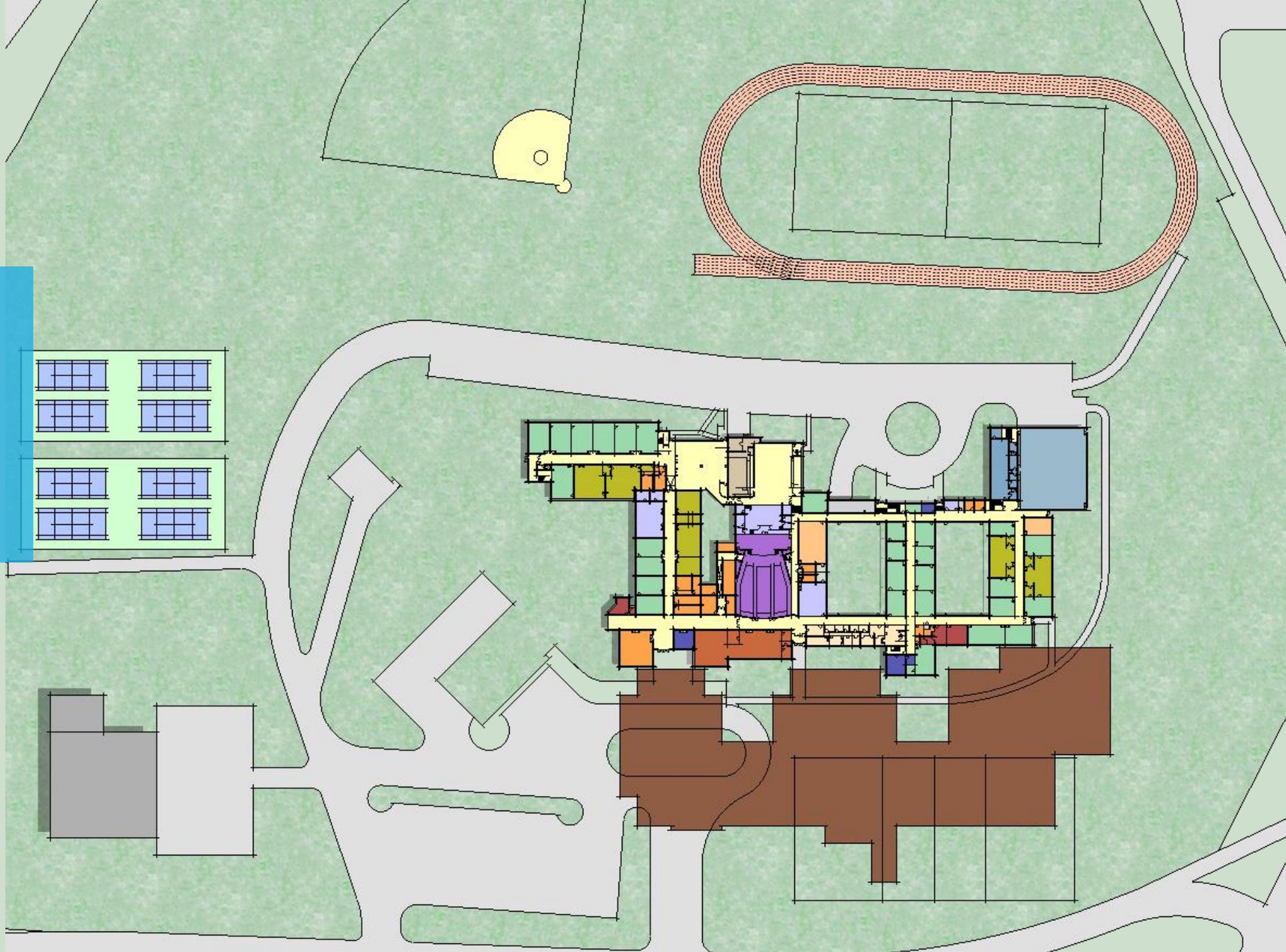


Renovation Only

- Demolition: 23,913 SF
- Renovations: 170,760 SF
- Cost: \$44,210,000
- Little Educational Improvement

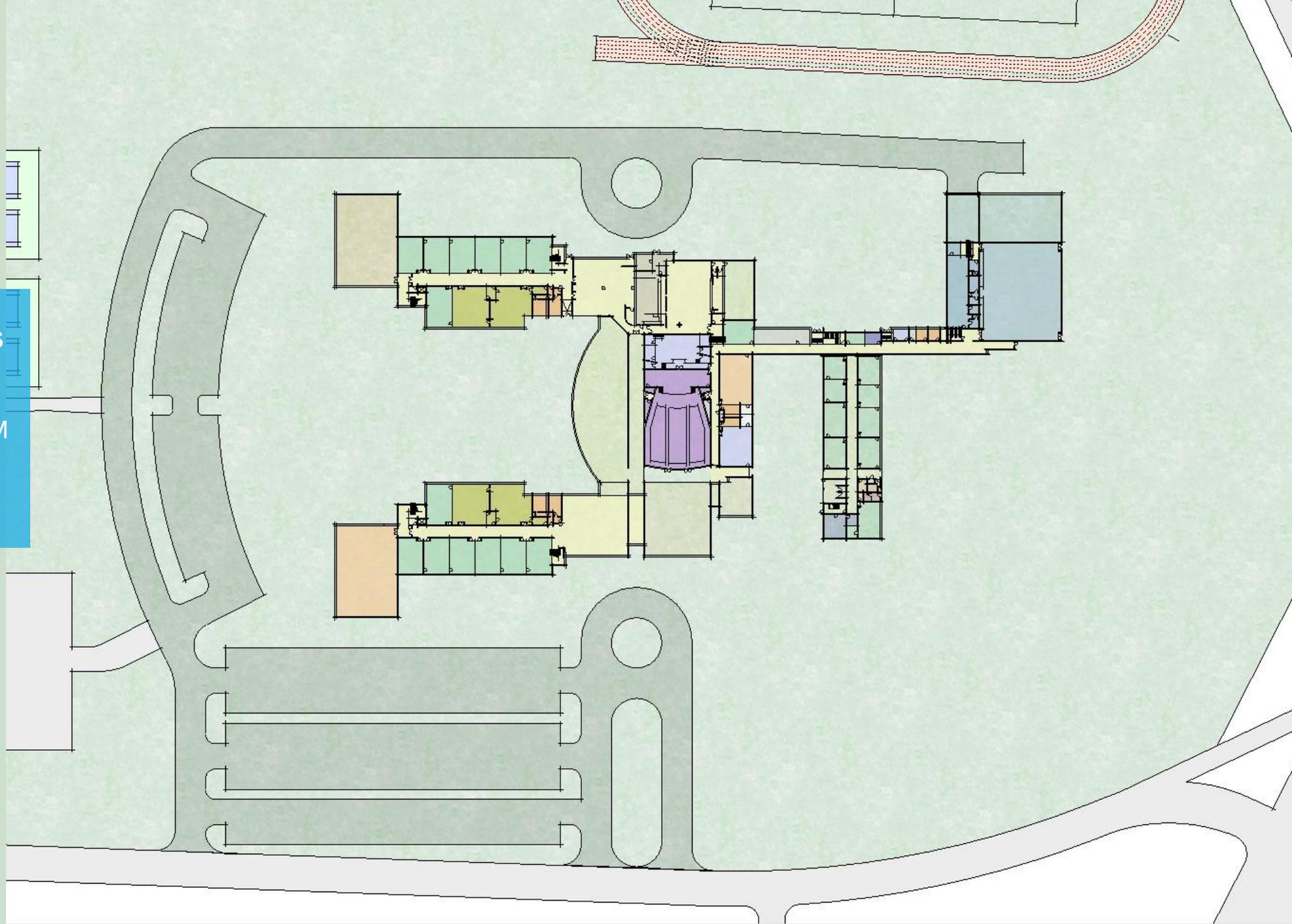
New Construction

- Demolition: 194,673 SF
- New Construction: 156,000 SF
- Cost: \$74,876,000
- Maximum Educational Improvement

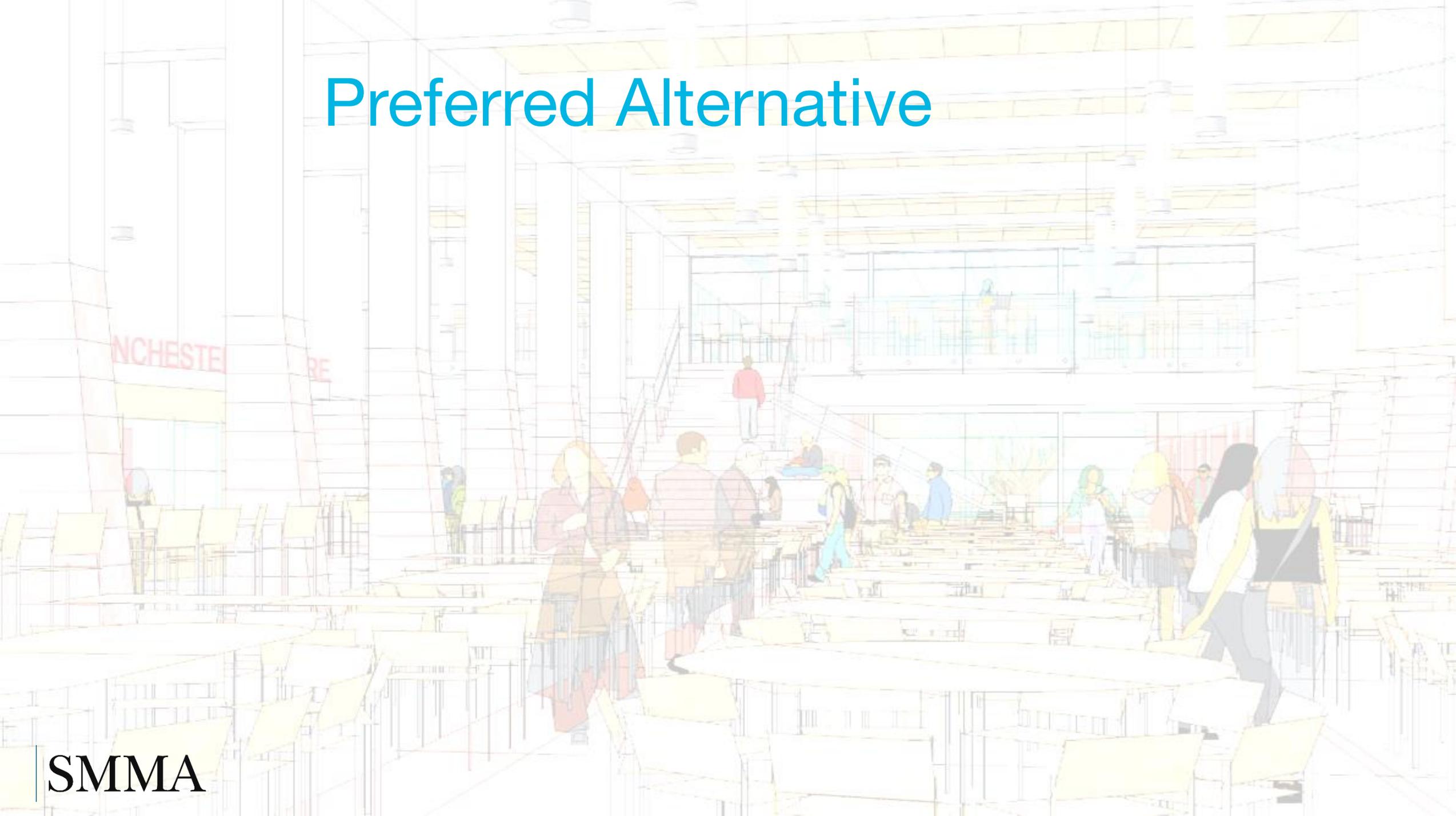


Additions and Renovations

- 165,000 to 170,000 SF
- \$55,000,000 to \$65,000,000M
- Optimum Educational Improvement



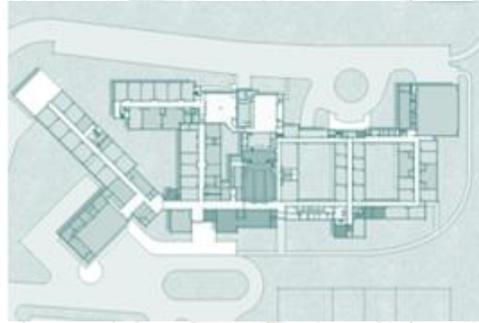
Preferred Alternative



Alternatives Considered

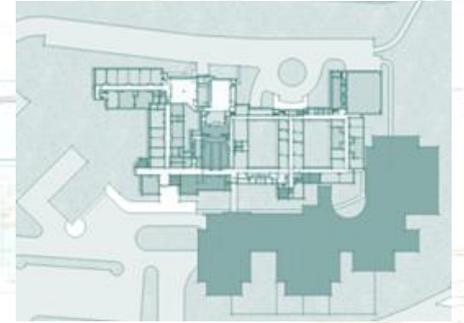
Asset Protection

- 194,673 SF
- \$ 50,401,109



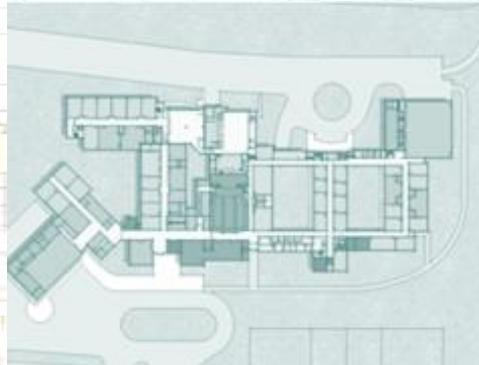
New Construction

- 156,000 SF
- \$74,876,000



Renovation Only

- 170,760 SF
- \$44,210,000



Additions & Renovations

- 169,000 SF
- \$59,802,480



Program (Handout)

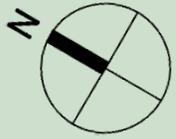
- Same net educational area as a new High School (RIDE)
- Lincoln Specific Curriculum
 - Students
 - Superintendent
 - Principal
 - Department Heads
 - Specific Techers
 - Staff
 - Facilities

| RIDE Regulations | | | | | SMMA | | SMMA Recommendations | | | | |
|-------------------------|-----------|------------------------------------|-----------------------------------------|------------|----------------------------|-------------------------------|----------------------------|------------|------------------------------------|-----------|-----------------------------------------------|
| Space Type | Each Room | Department Discipline Area for 800 | SMMA Recommended Number of Rooms/Spaces | Total Area | Department Discipline Area | Recommended Area Reallocation | Department Discipline Area | Total Area | Recommended Number of Rooms/Spaces | Each Room | Space Type |
| Core Classrooms | 950 | | 28 | 26,600 | | | | 24,300 | 27 | 900 | Core Classrooms |
| Science CR / Lab | 1,200 | | 7 | 8,400 | -35,000 | 2,950 | 37,950 | 2,700 | 27 | 100 | Teacher Planning |
| | | | | | | | | 1,800 | 1 | 1,800 | Large Group Instruction (? To ? seats) |
| | | | | | | | | 900 | 2 | 450 | Small Group Instruction (20-30 seats) |
| | | | | | | | | 7,200 | 6 | 1,200 | Science Classroom / Lab |
| | | | | | | | | 900 | 6 | 150 | Prep Room |
| | | | | | | | | 150 | 1 | 150 | Central Chemical Storage Rm |
| Art Classroom(s) + | 2,025 | | | 2,025 | | | | 2,400 | 2 | 1,200 | Art Classroom - 25 seats |
| Music Room(s) + | 2,200 | | | 2,200 | -4,225 | 2,400 | 6,625 | 300 | 2 | 150 | Art Workshop w/ Storage & kiln |
| | | | | | | | | 1,500 | 1 | 1,500 | Band - 50 - 100 seats |
| | | | | | | | | 1,500 | 1 | 1,500 | Chorus - 50 - 100 seats |
| | | | | | | | | 200 | 1 | 200 | Ensemble |
| | | | | | | | | 225 | 3 | 75 | Music Practice |
| | | | | | | | | 500 | 1 | 500 | Music Storage |
| | | | | | | | | 2,700 | 3 | 900 | Tech CR - (E.G. Drafting, Business) |
| Tech CR | 3,600 | | | 3,600 | | | | 3,600 | 3 | 1,200 | Tech Shop - (E.G. Consumer, Auto, Wood) |
| Tech Shop | 6,000 | | | 6,000 | -9,600 | -3,300 | 6,300 | 5,400 | 6 | 900 | SPED Self-Contained |
| SPED CR | 950 | | 6 | 5,700 | | | | 360 | 6 | 60 | Self-Contained Toilet |
| SPED RR | 500 | | 6 | 3,000 | -8,700 | -240 | 8,460 | 1,350 | 3 | 450 | SPED Resource Room |
| | | | | | | | | 1,350 | 3 | 450 | Small Group Room |
| Media Center | 4,900 | | | 4,900 | | 0 | 4,900 | 4,000 | 1 | 4,000 | Media Center / Reading & Work Rooms & Office |
| | | | | | | | | 900 | 1 | 900 | Computer Lab |
| Gym + | 10,000 | | | 10,000 | | | | 10,000 | 1 | 10,000 | Gymnasium |
| PE Support | 8,650 | | | 8,650 | -18,650 | -20 | 18,630 | 3,000 | 1 | 3,000 | PE Alternatives |
| | | | | | | | | 300 | 1 | 300 | Gym Storeroom |
| | | | | | | | | 4,480 | 1 | 4,480 | Locker Rooms - Boys / Girls w/ Toilets |
| | | | | | | | | 450 | 1 | 450 | Phys. Ed. Storage |
| | | | | | | | | 150 | 1 | 150 | Athletic Director's Office |
| | | | | | | | | 250 | 1 | 250 | Health Instructor's Office w/ Shower & Toilet |
| Kitchen | 2,100 | | | 2,100 | | | | 4,000 | 1 | 4,000 | Cafeteria / Student Lounge / Break-out |
| Cafeteria | 4,000 | | | 4,000 | | | | 350 | 1 | 350 | Chair / Table Storage |
| Staff Lunch Room | 450 | | | 450 | -6,550 | 550 | 7,100 | 500 | 1 | 500 | Scramble Serving Area |
| | | | | | | | | 1,800 | 1 | 1,800 | Kitchen |
| | | | | | | | | 450 | 1 | 450 | Staff Lunch Room |
| Auditorium | 5,328 | | | 5,328 | | | | 5,333 | 1 | 5,333 | Auditorium |
| Stage + | 2,800 | | 1 | 2,800 | -8,128 | 55 | 8,183 | 1,600 | 1 | 1,600 | Stage |
| | | | | | | | | 450 | 1 | 450 | Auditorium Storage |
| | | | | | | | | 600 | 2 | 300 | Make-up / Dressing Rooms |
| | | | | | | | | 200 | 1 | 200 | Controls / Lighting / Projection |
| Nurse's Office | 810 | | | 810 | | 100 | 910 | 250 | 1 | 250 | Nurses' Office / Waiting Room |
| | | | | | | | | 200 | 2 | 100 | Interview Room |
| | | | | | | | | 400 | 4 | 100 | Examination Room / Resting |
| | | | | | | | | 60 | 1 | 60 | Medical Suite Toilet |
| General Office | 2,145 | | | 2,145 | | | | 300 | 1 | 300 | General Office / Waiting Room / Toilet |
| Guidance | 1,275 | | | 1,275 | | | | 100 | 1 | 100 | Teachers' Mail and Time Room |
| Teachers Room | 375 | | | 375 | -3,795 | -650 | 3,145 | 200 | 1 | 200 | Duplicating Room |
| | | | | | | | | 200 | 1 | 200 | Records Room |
| | | | | | | | | 300 | 1 | 300 | Principal's Office w/ Conference Area |
| | | | | | | | | 125 | 1 | 125 | Principal's Secretary / Waiting |
| | | | | | | | | 150 | 1 | 150 | Assistant Principal's Office - AP1 |
| | | | | | | | | 150 | 1 | 150 | Assistant Principal's Office - AP2 |
| | | | | | | | | 120 | 1 | 120 | Supervisory / Spare Office |
| | | | | | | | | 450 | 1 | 450 | Conference Room |
| | | | | | | | | 150 | 1 | 150 | Guidance Office |
| | | | | | | | | 100 | 1 | 100 | Guidance Waiting Room |
| | | | | | | | | 100 | 1 | 100 | Guidance Storeroom |
| | | | | | | | | 300 | 1 | 300 | Career Center |
| | | | | | | | | 100 | 1 | 100 | Records Room |
| | | | | | | | | 300 | 1 | 300 | Teachers' Work Room |
| Custodian / Maintenance | 1,525 | | | 1,525 | | | | 150 | 1 | 150 | Custodian's Office |
| General Storage | 500 | | | 500 | -2,025 | 50 | 2,075 | 250 | 1 | 250 | Custodian's Workshop |
| | | | | | | | | 375 | 1 | 375 | Custodian's Storage |
| | | | | | | | | 400 | 1 | 400 | Recycling Room / Trash |
| | | | | | | | | 300 | 1 | 300 | Receiving and General Supply |
| | | | | | | | | 400 | 1 | 400 | Storeroom |
| | | | | | | | | 200 | 1 | 200 | Network / Telecom Room |

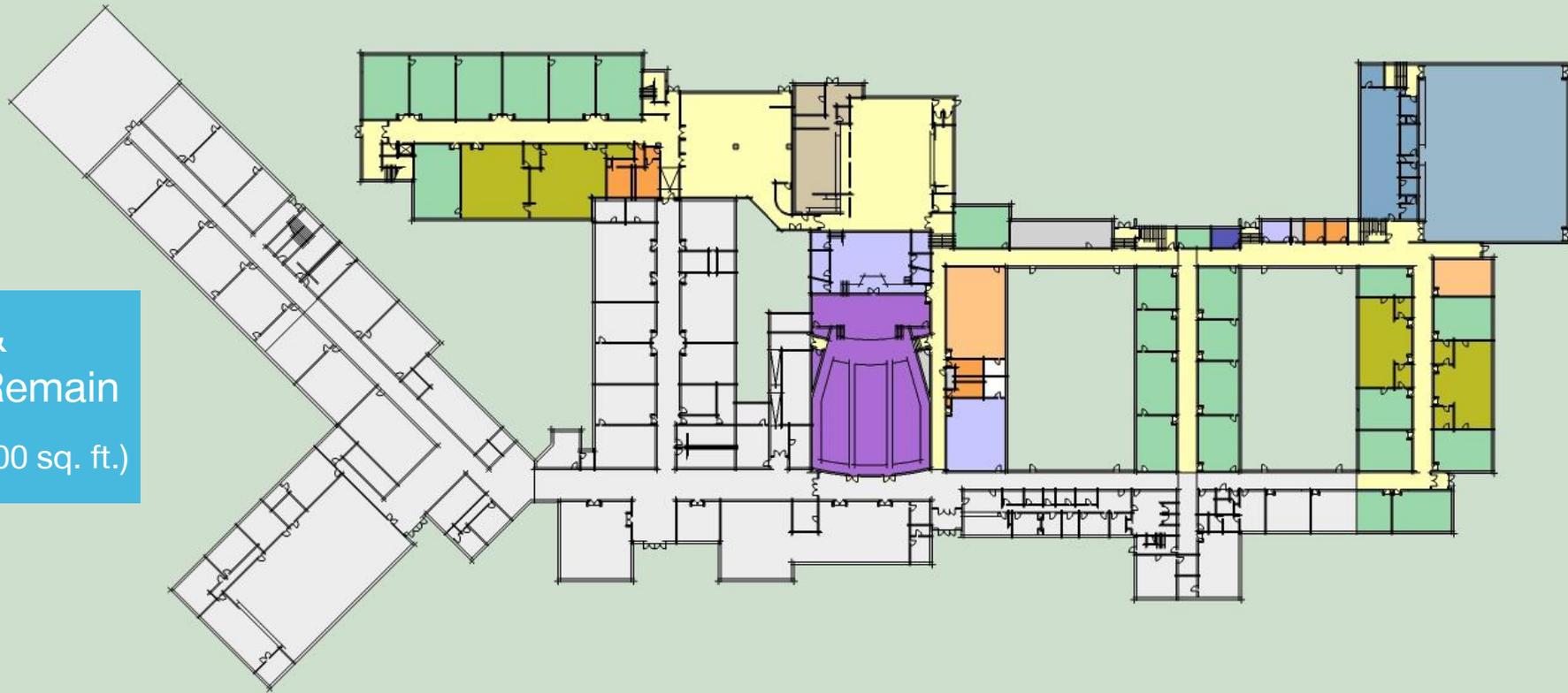
| RIDE Regulations | | SMMA | | SMMA Recommendations | |
|---------------------------------------------------------|----------------|-------|---------|--------------------------------------------|--|
| Total Building Net Floor Area (NFA) | 102,383 | 1,695 | 104,278 | | |
| Grossing Factor (GF) (For corridors, stairs, MEP, etc.) | 1.50 | 1.50 | 1.50 | | |
| Total Building Gross Floor Area (GFA) | 153,575 | 2,543 | 156,417 | | |
| RIDE Allowable GFA for 800 Students (800 x 195=) | 156,000 | | 156,000 | | |
| RIDE Allowable GFA for 799 Students (799 x 196=) | 156,604 | | 156,604 | | |
| GFA Available for Reallocation | 2,426 to 3,030 | or | 52 | Classrooms Required (S, SL, A, M, T, SPED) | |
| | or | | | | |
| | 33 to 637 | | | | |

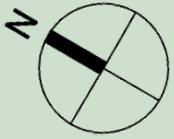
Educational Delivery

- STEM/STEAM: Integration of Disciplines
- Clusters: Integration of Technical and Classical Education
- Dining Commons/Large Group Instruction
Pre and Post Function Space
- Media Center/Learning Commons
- Maker Spaces
- Small Group Instruction
- Building/Site: As a Learning Tool
- Technology Supported Curriculum
- Teach/Learn Everywhere Technology
- Flexible Furniture and Fixtures

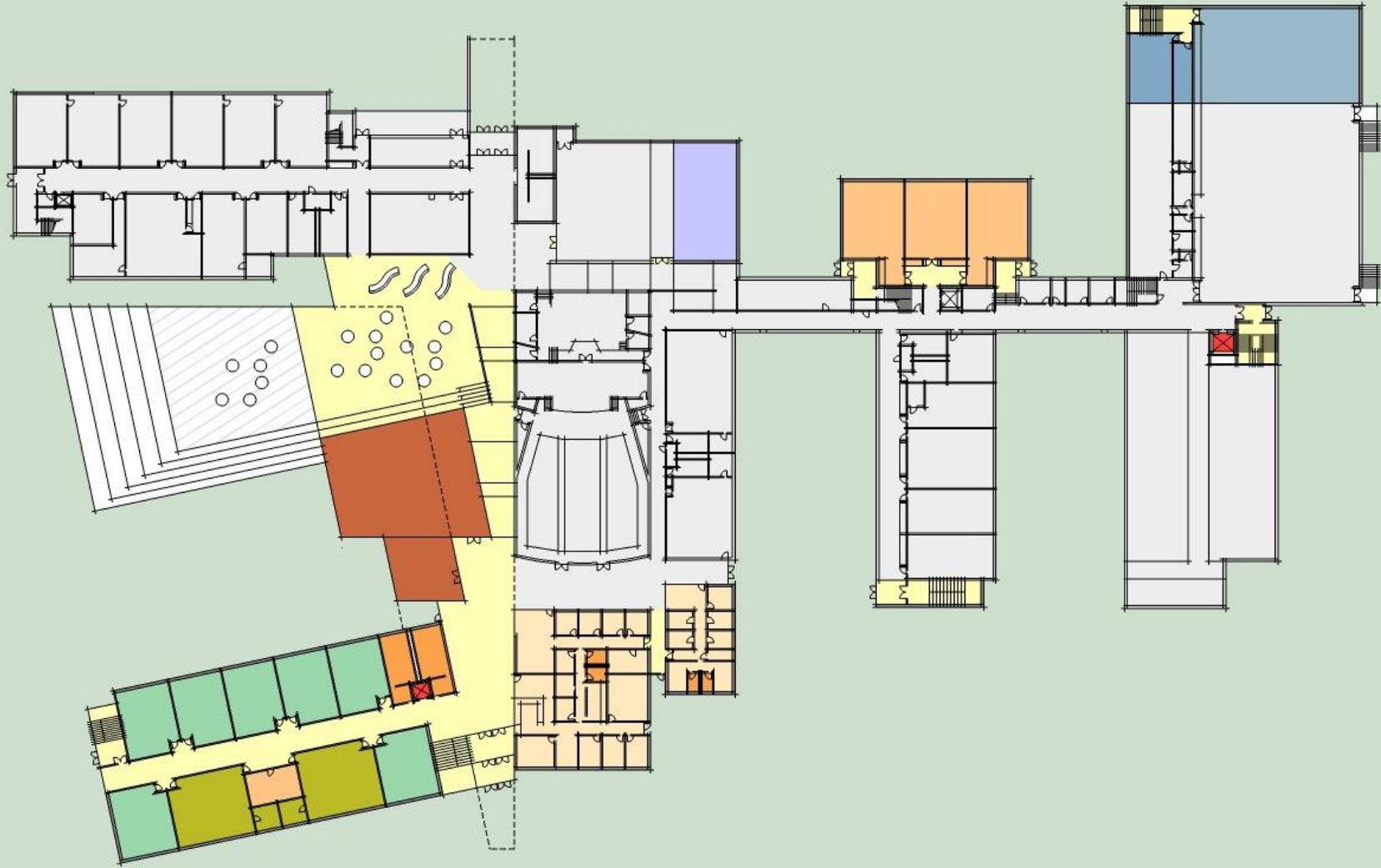


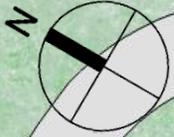
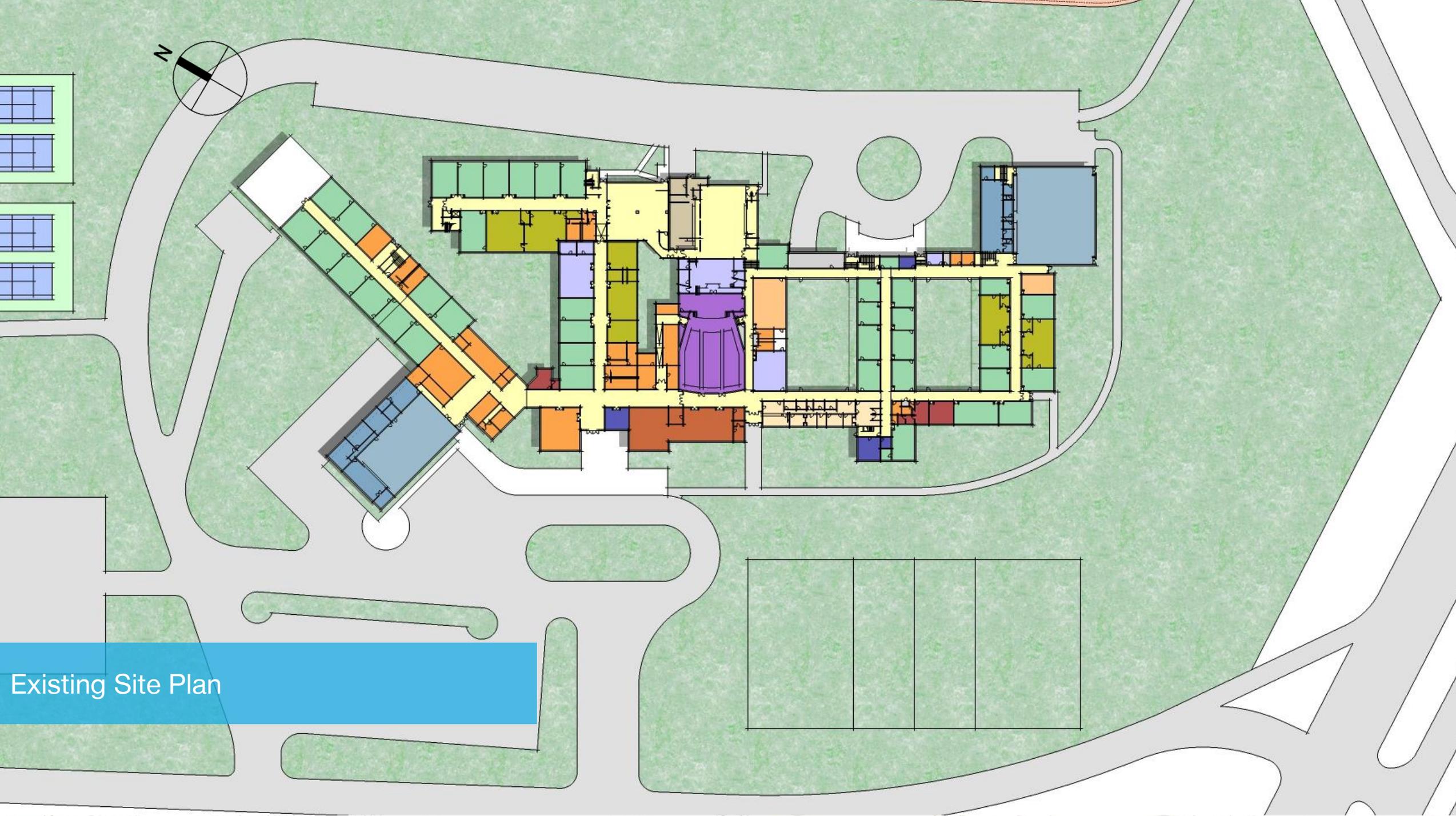
Demolition &
Existing to Remain
(93,673 v 101,000 sq. ft.)



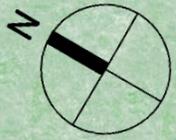


Renovation & New Additions
(60% v 40%)





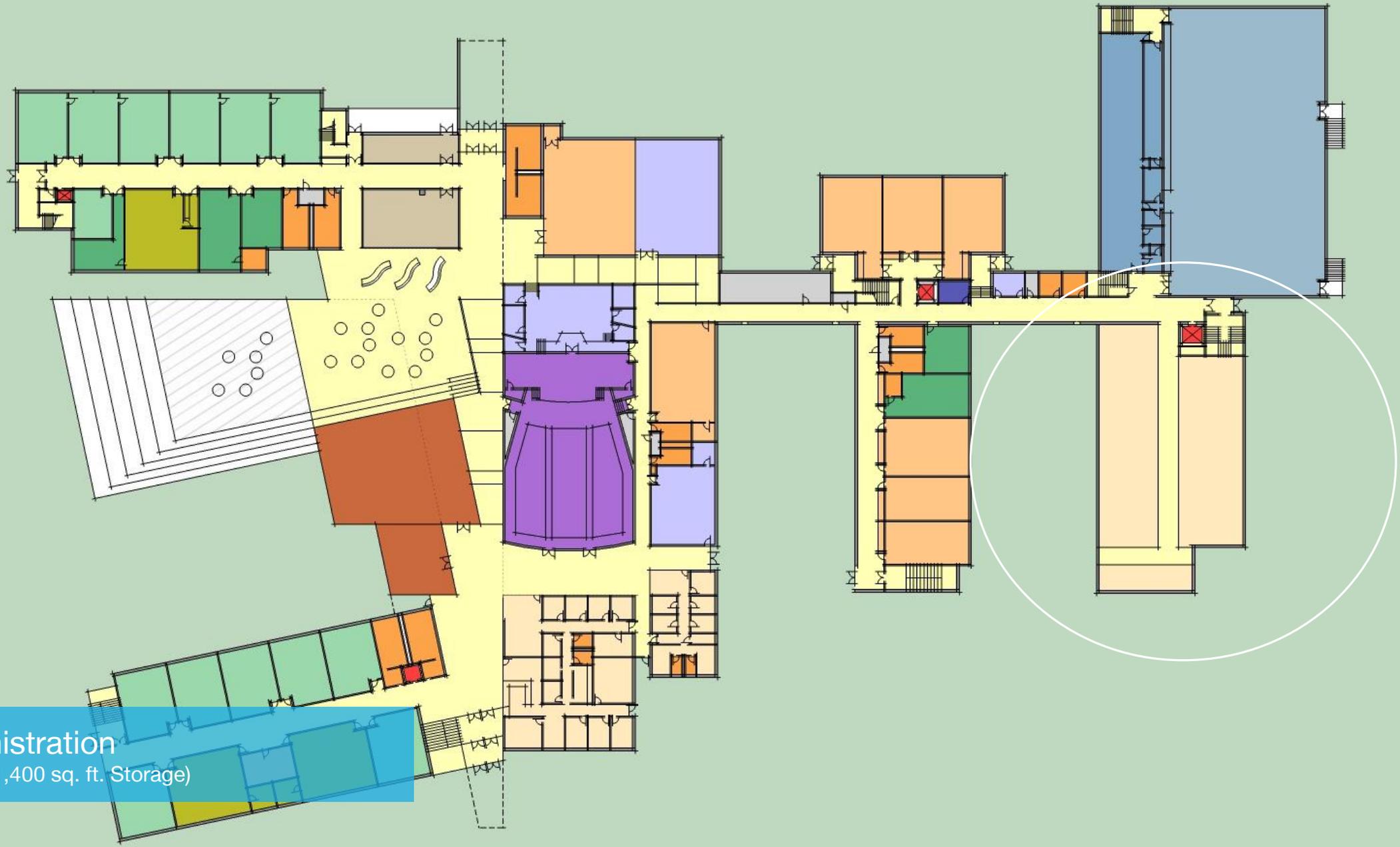
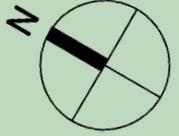
Existing Site Plan



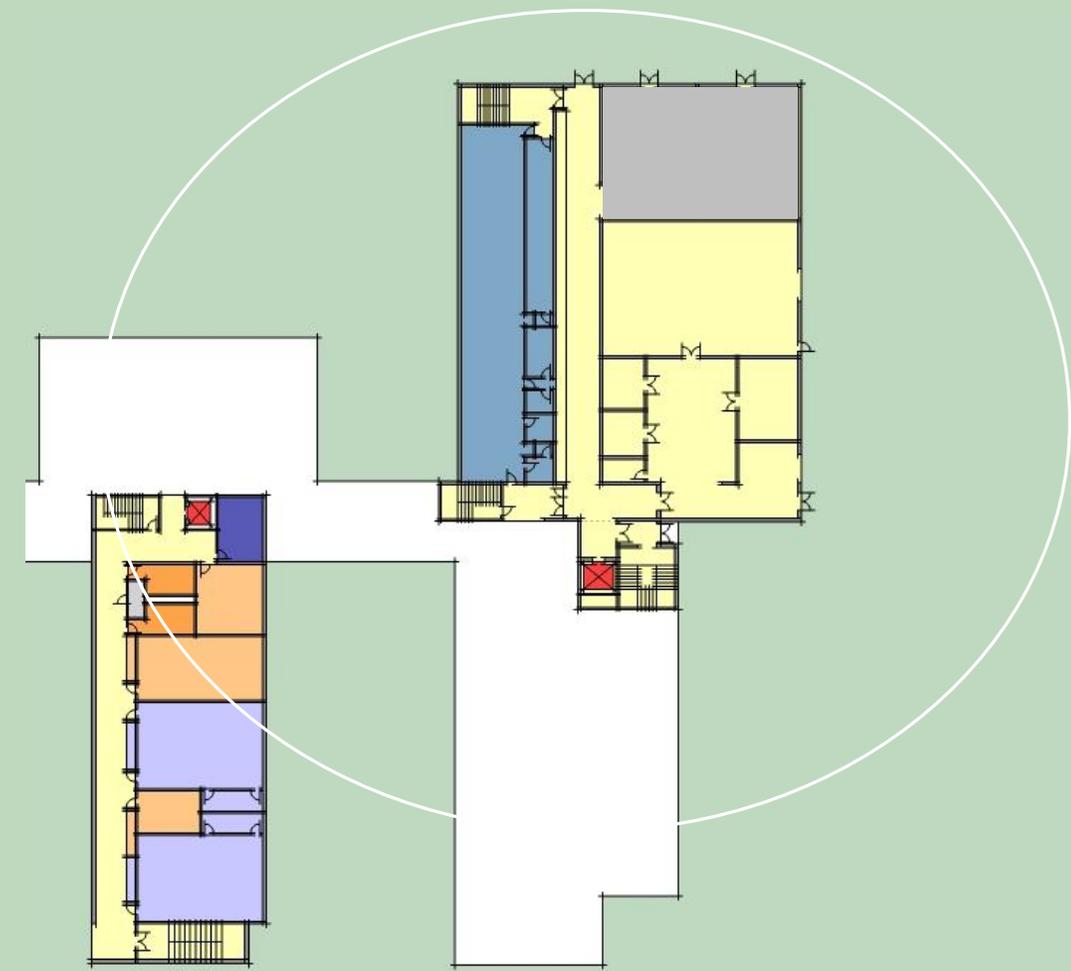
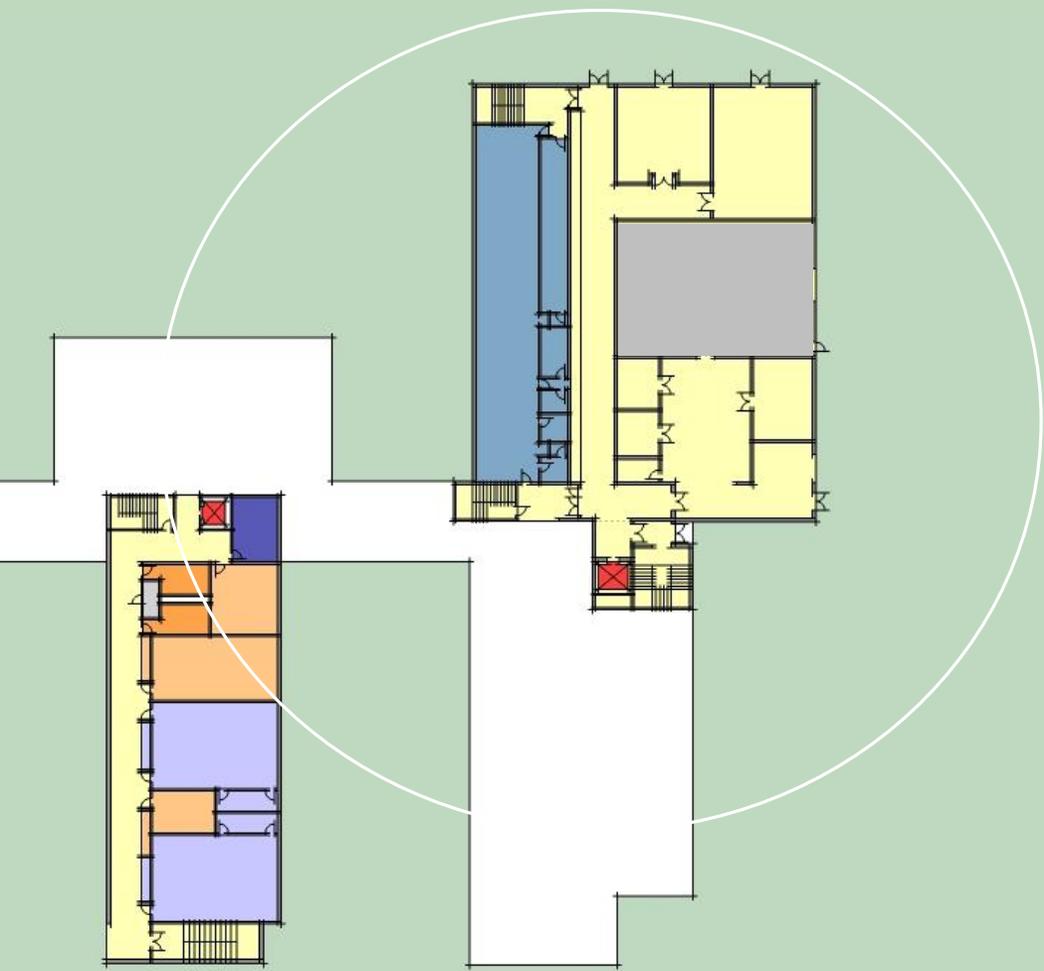
Proposed Site Plan



Proposed Site Plan with Expansion

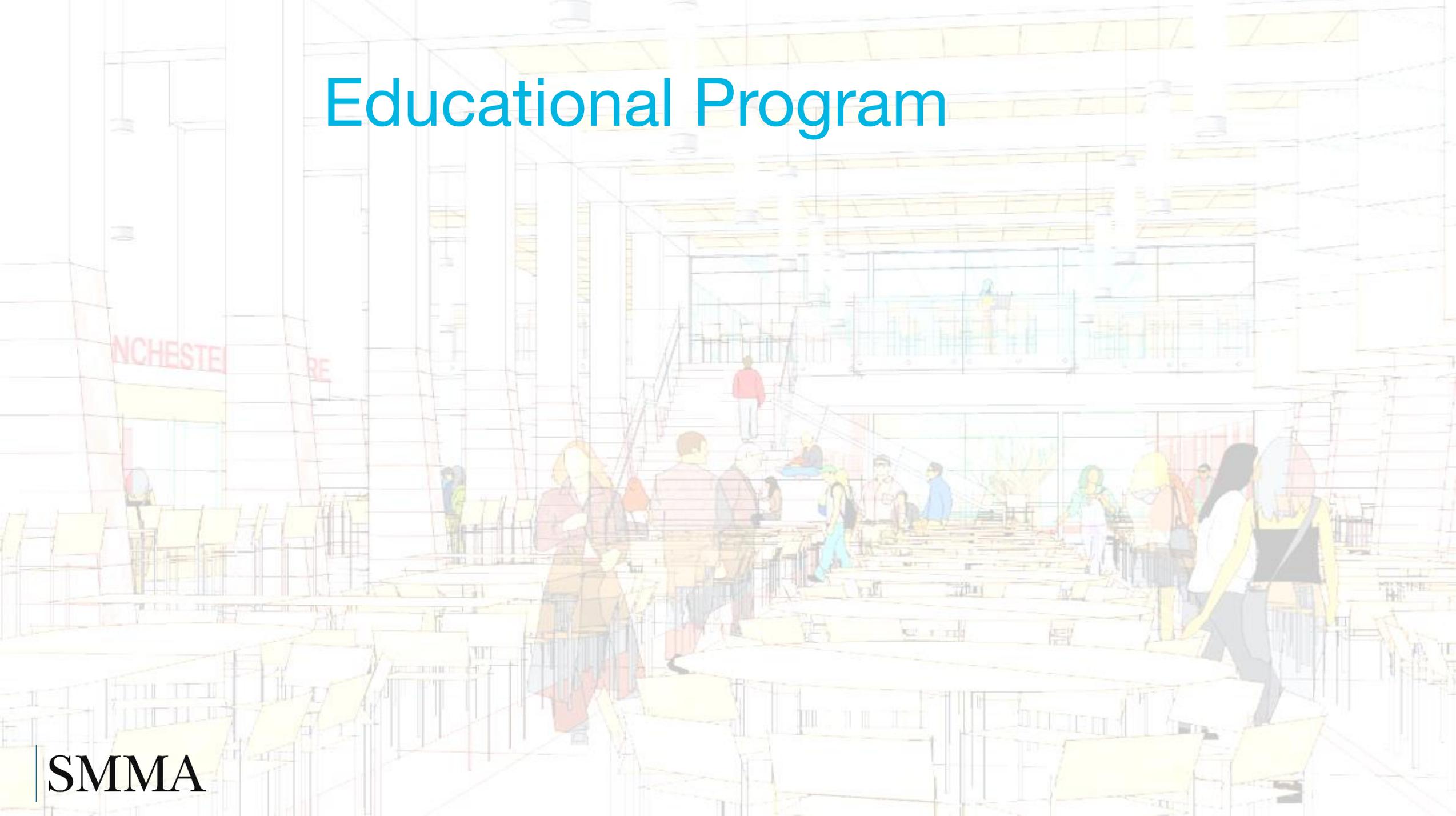


Central Administration
(6,600 sq. ft. Office, 1,400 sq. ft. Storage)

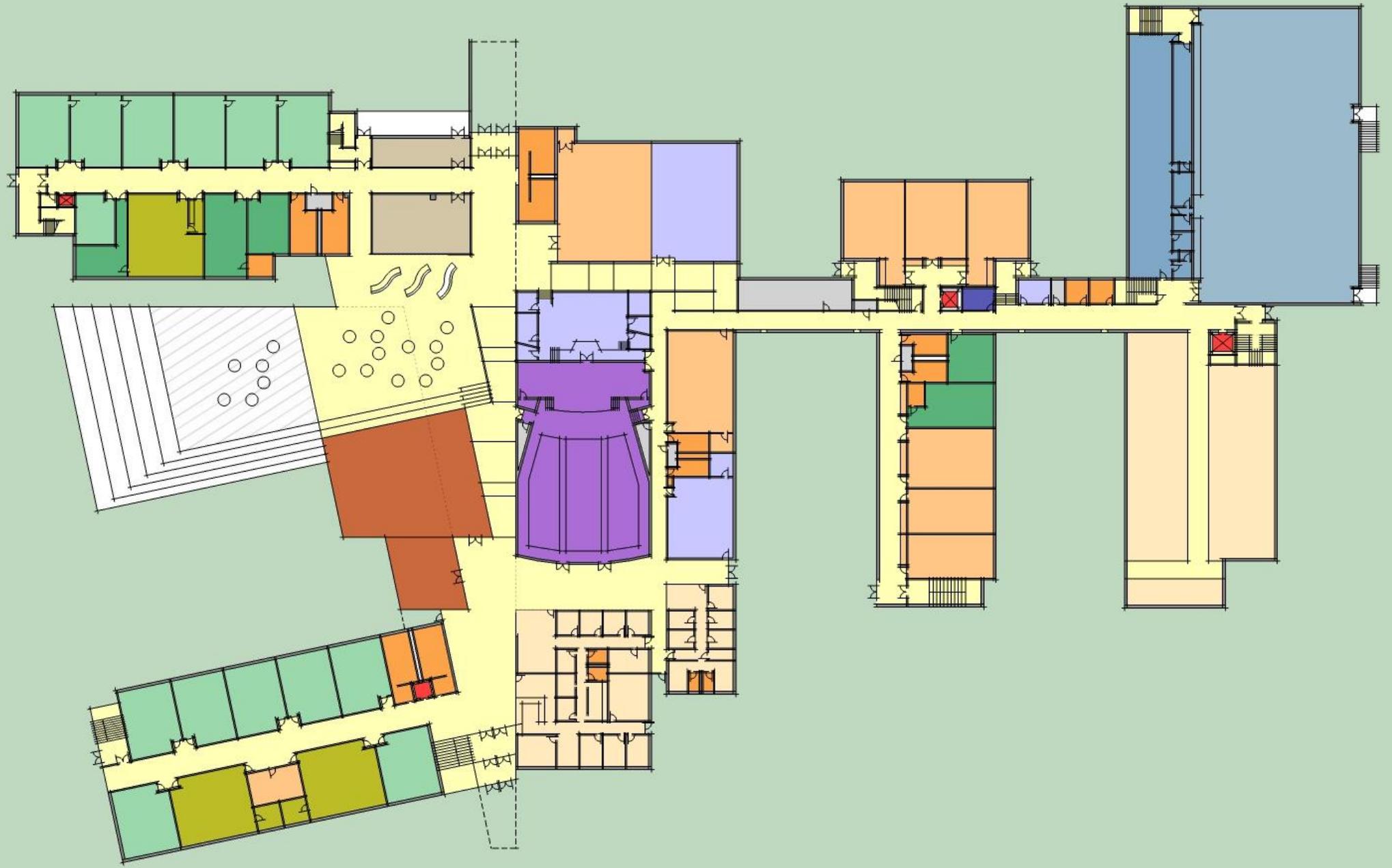
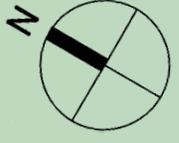


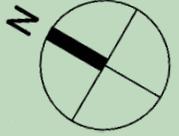
Facilities Alternatives (3,000 sq. ft. +or-)

Educational Program



NCHESTER RE





Receiving & Kitchen

Culinary

Band

High Bay Technology Space

Classrooms, Labs.
Special Education &
Teacher Planning

Gym

Outdoor Instruction
Dining Commons & LGI

Auditorium
Media Center

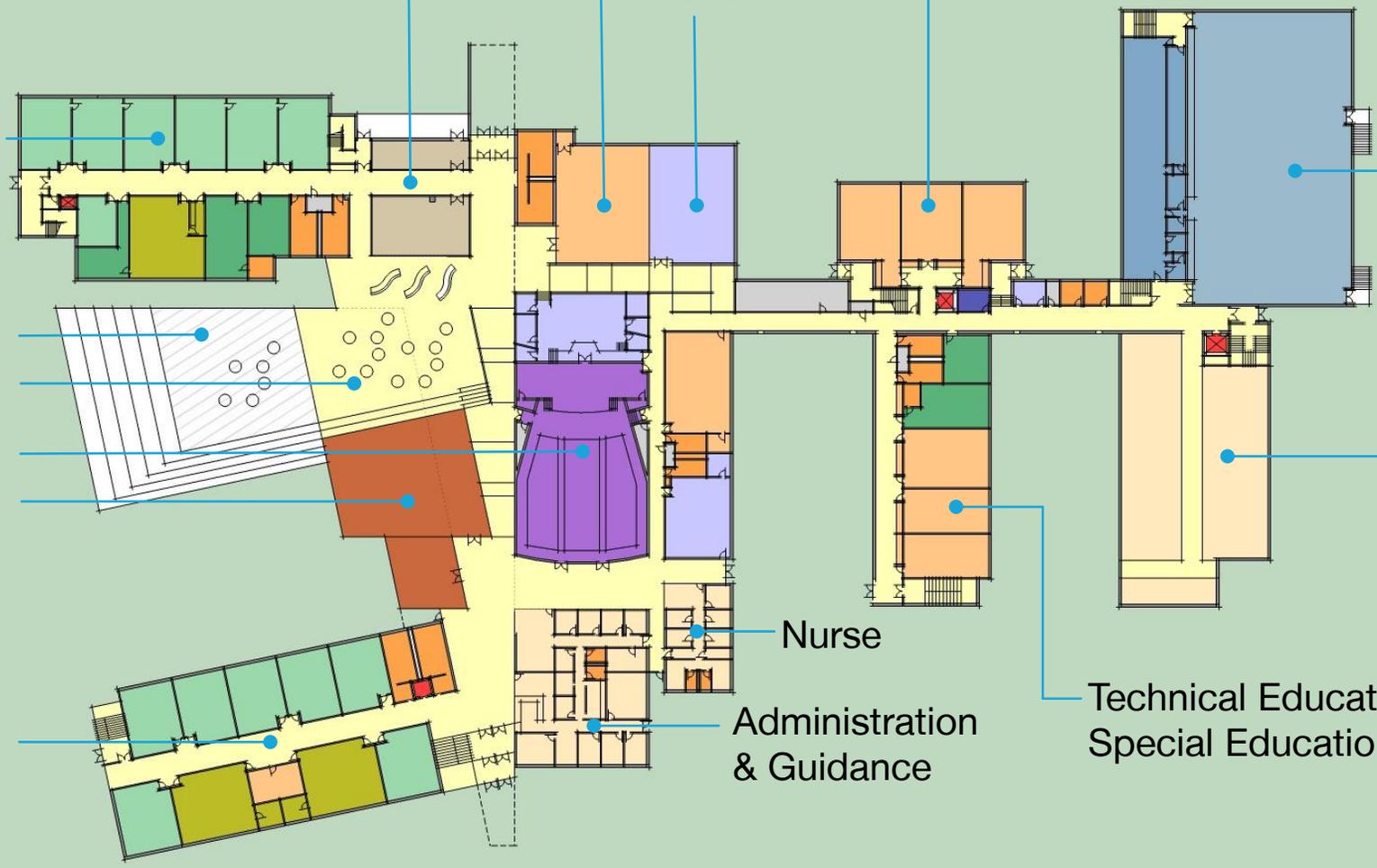
Central
Administration

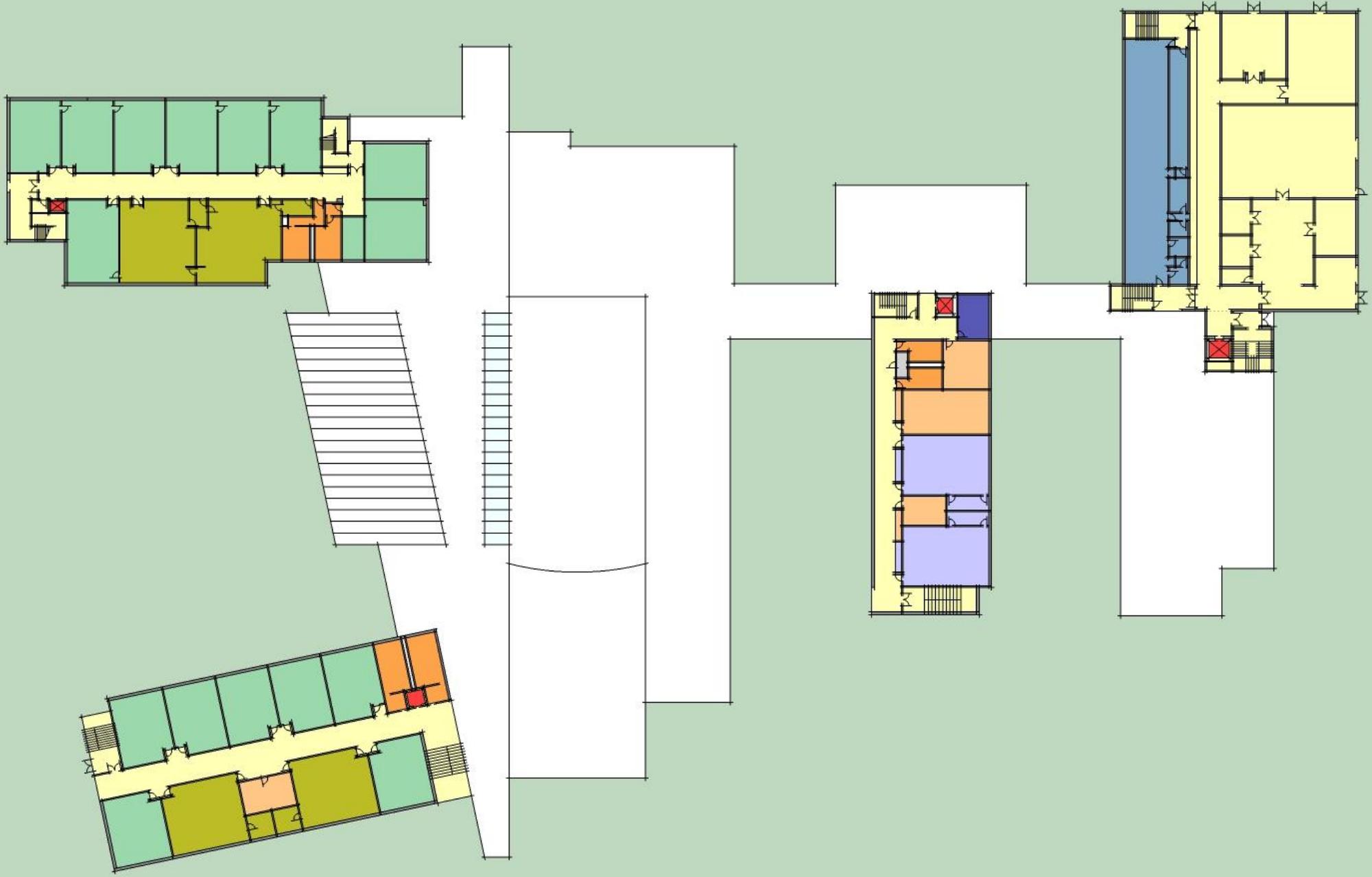
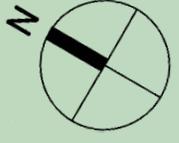
Nurse

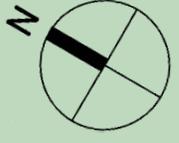
Classrooms,
Labs. Special
Education &
Teacher Planning

Administration
& Guidance

Technical Education, Art &
Special Education

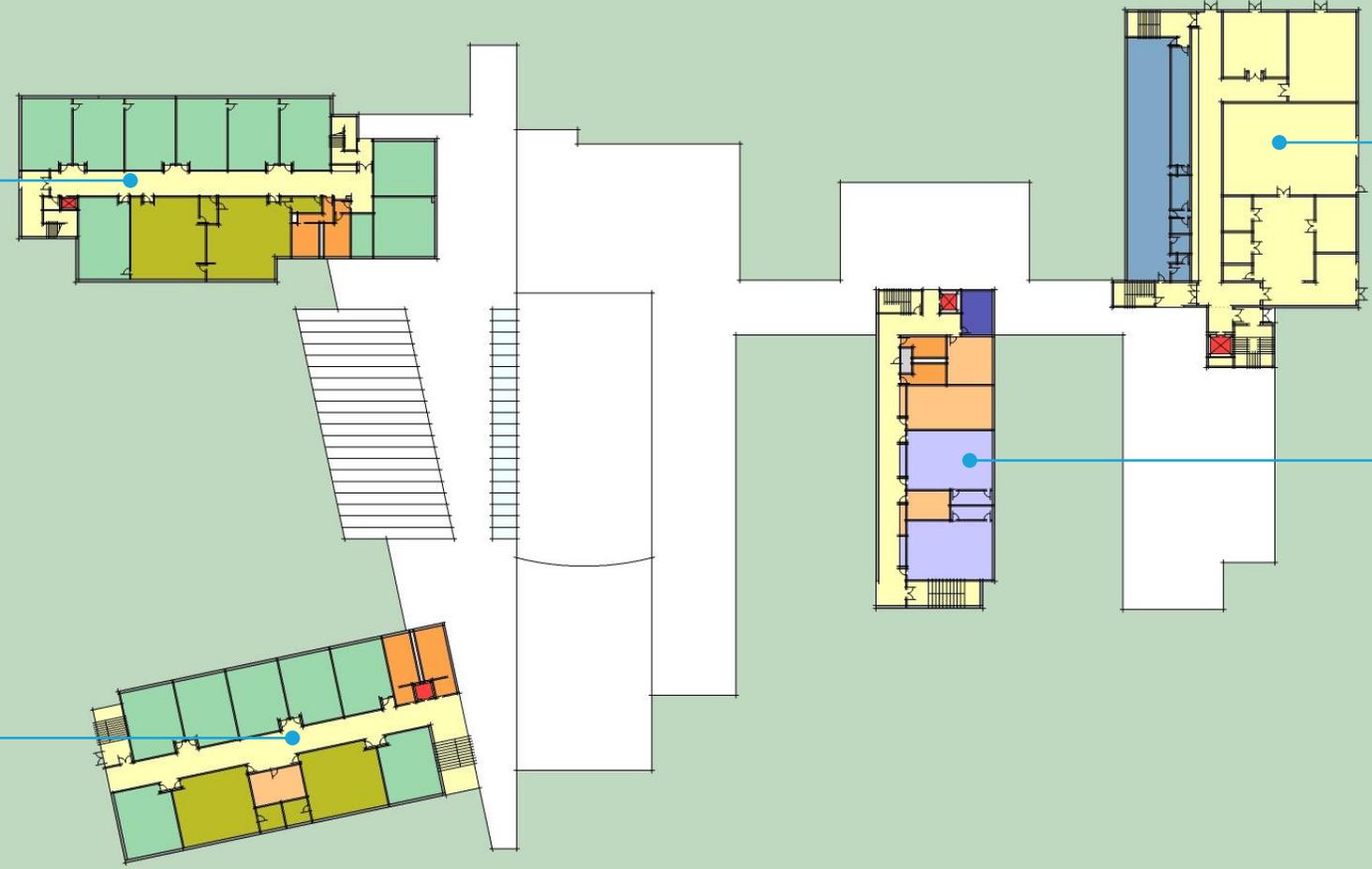






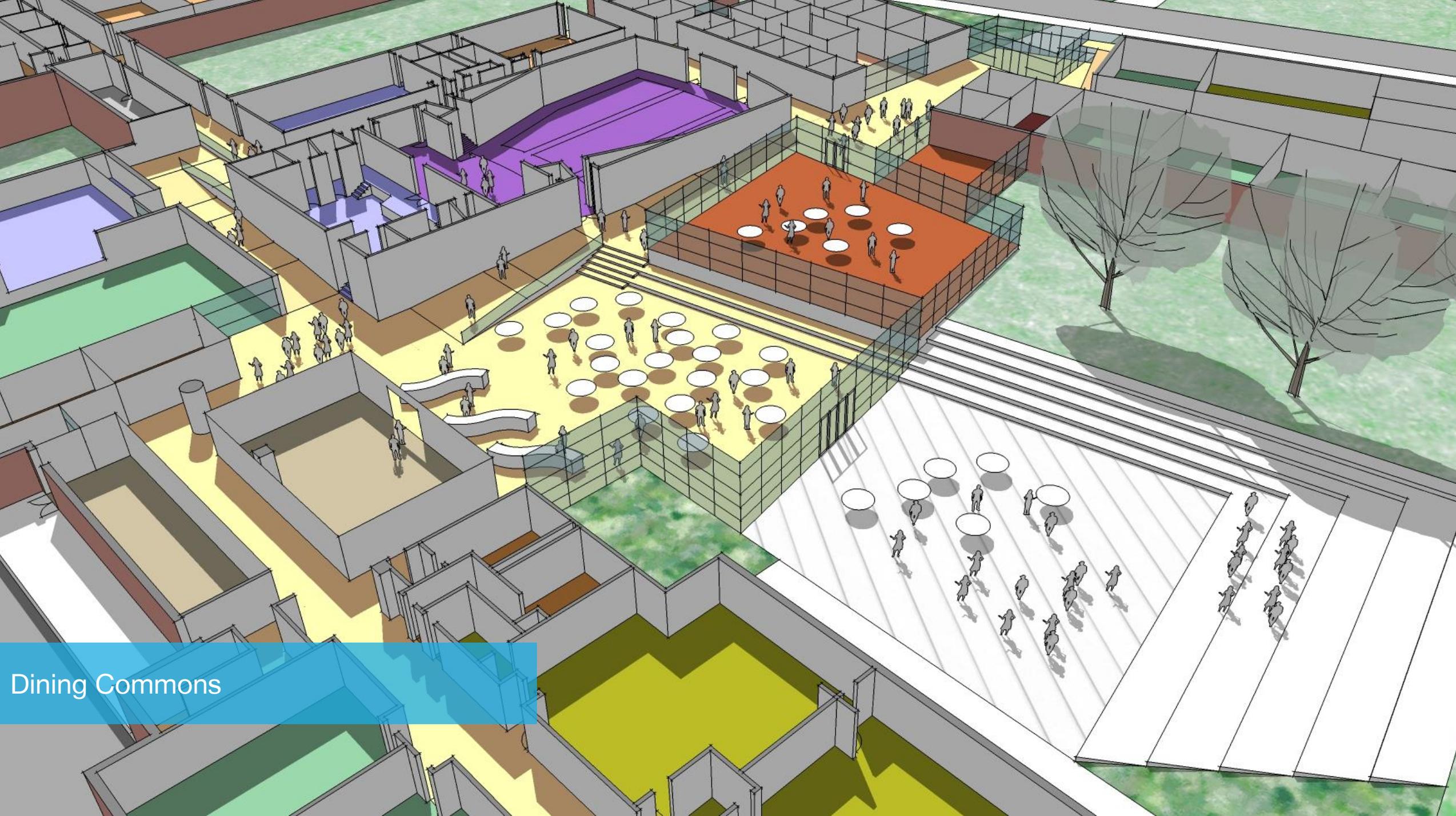
Classrooms, Labs.
Special Education &
Teacher Planning

Classrooms,
Labs. Special
Education &
Teacher Planning

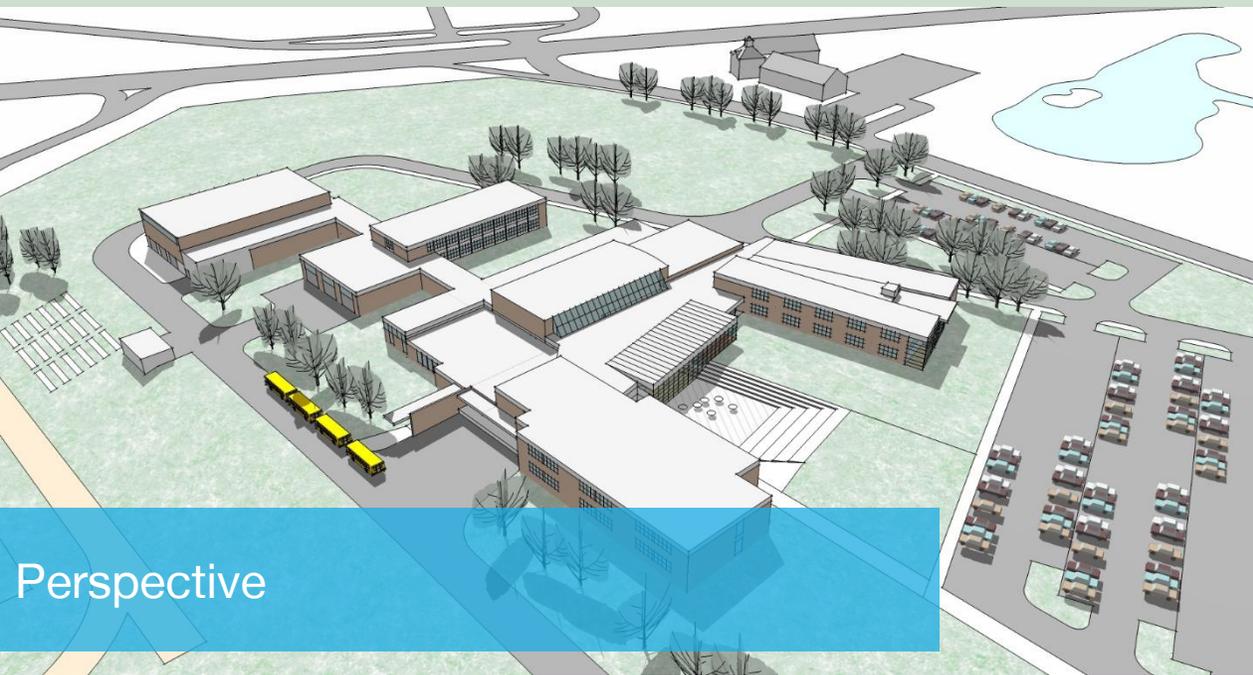


Alternative PE
& Custodial

Technical Education,
Art & Special Educatio



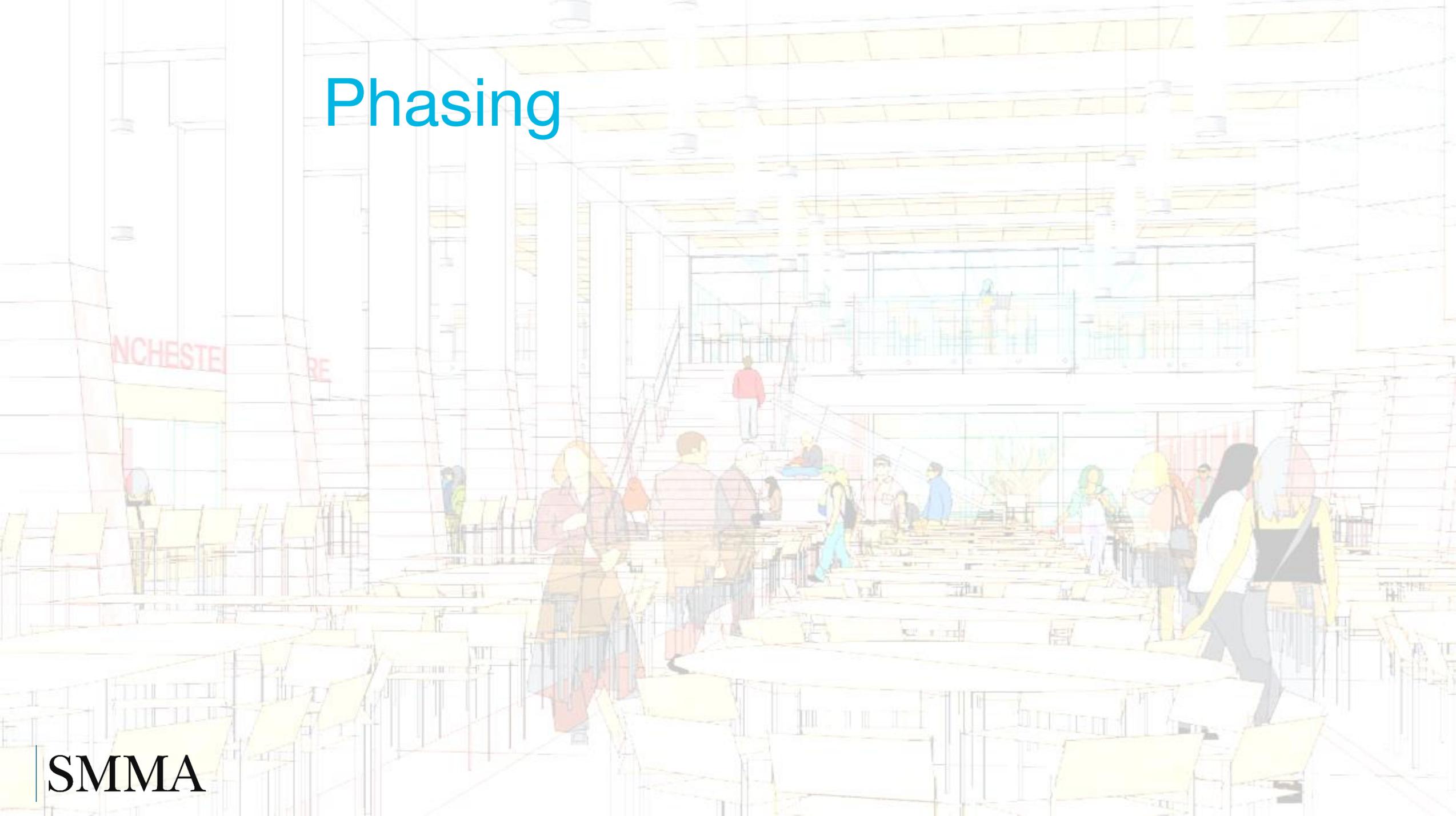
Dining Commons

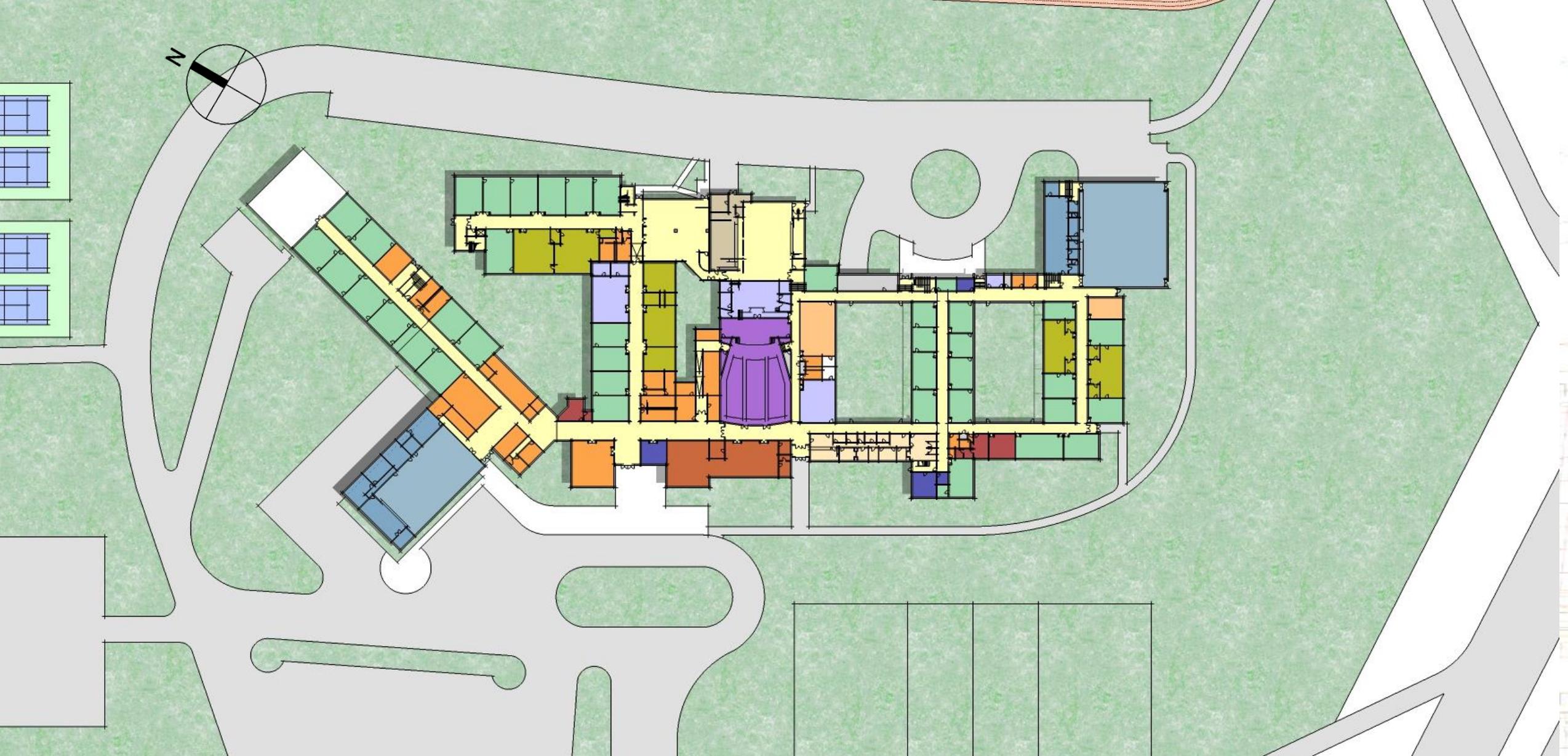




Elevations

Phasing





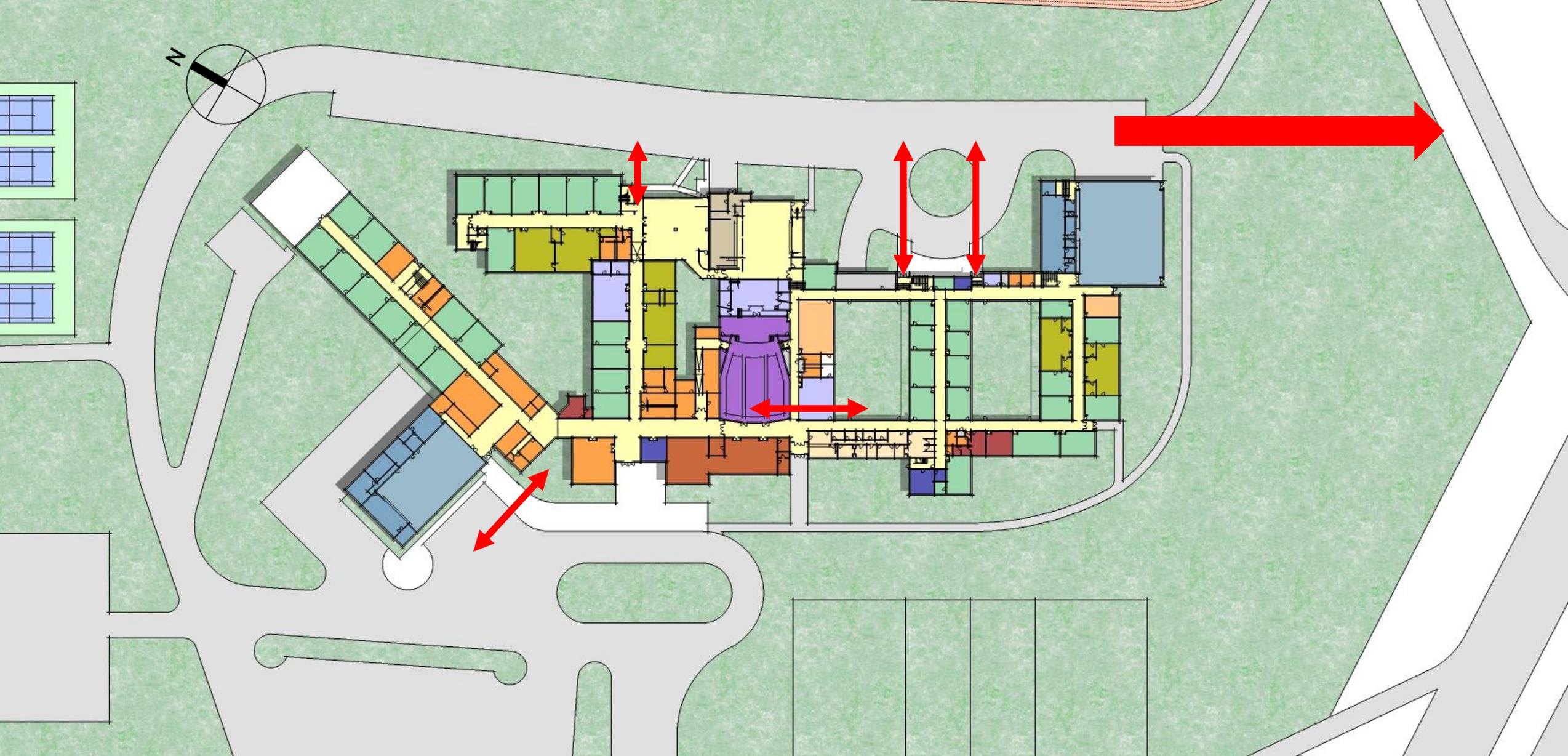
January 2018 to January 2019
Design Begins

Design
 Detailed programming and design
 Design of early and principal package

Internal Moves

Demolition

Construction (& Renovation)



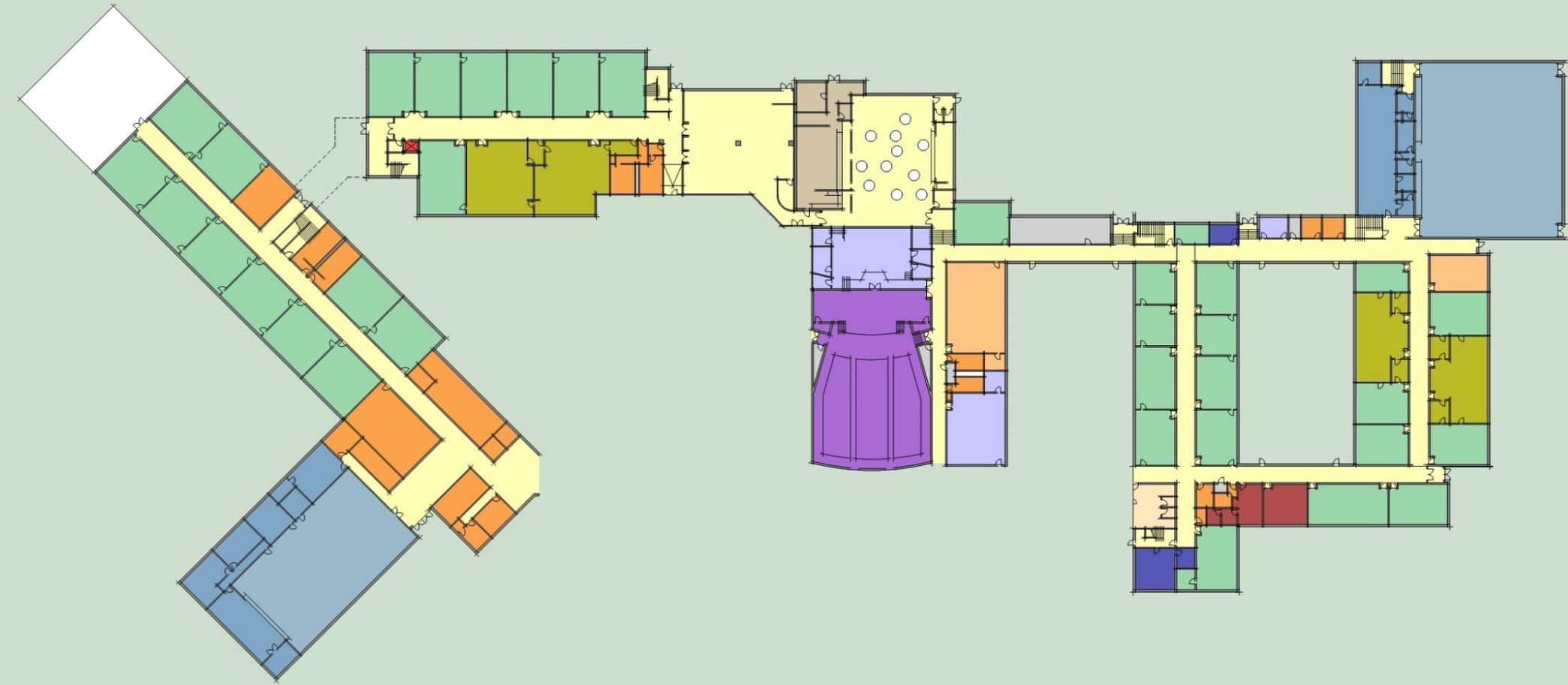
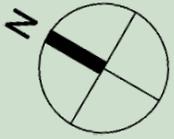
May 2018 to January 2019
Phase 1

Design
 Design continues
 Bid early package

Internal Moves

Demolition

Construction (& Renovation)
 Prepare building and site
 Temporary building, auditorium
 & bus egress



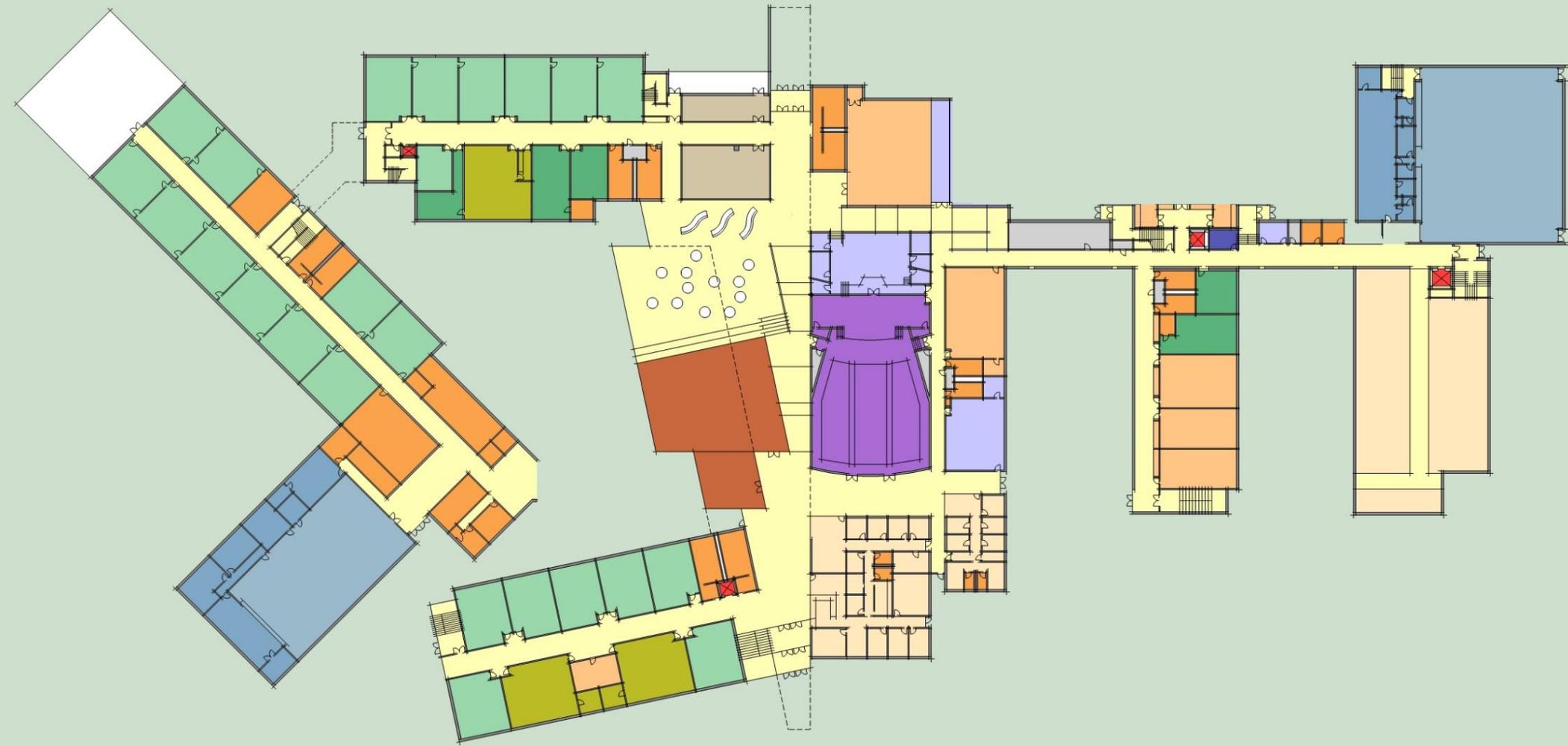
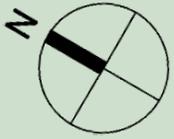
May 2018 to January 2019
Phase 1

Design
Administer construction

Internal Moves
Classrooms, front office & media center to middle school wing

Demolition
Connector wing
Front office and media center

Construction (& Renovation)



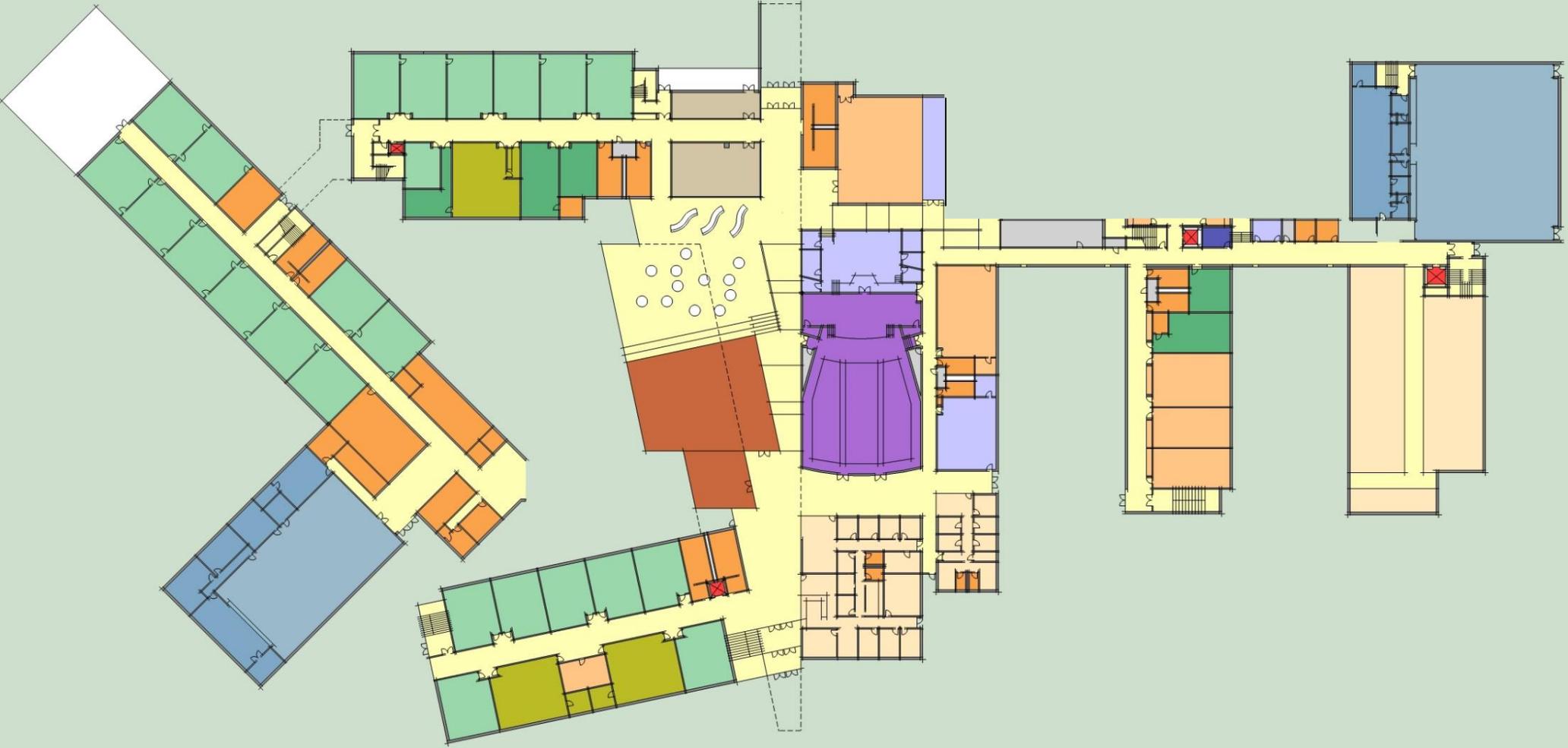
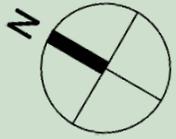
January 2019 to May 2020
Phase 2

Design
Bid principal package, phase 2 through 5, administer construction

Internal Moves

Demolition (June to September)
Kitchen & dining areas (2)

Construction
Dining commons, kitchen, receiving, culinary, media center, administration, guidance, nurse's suite & new classrooms



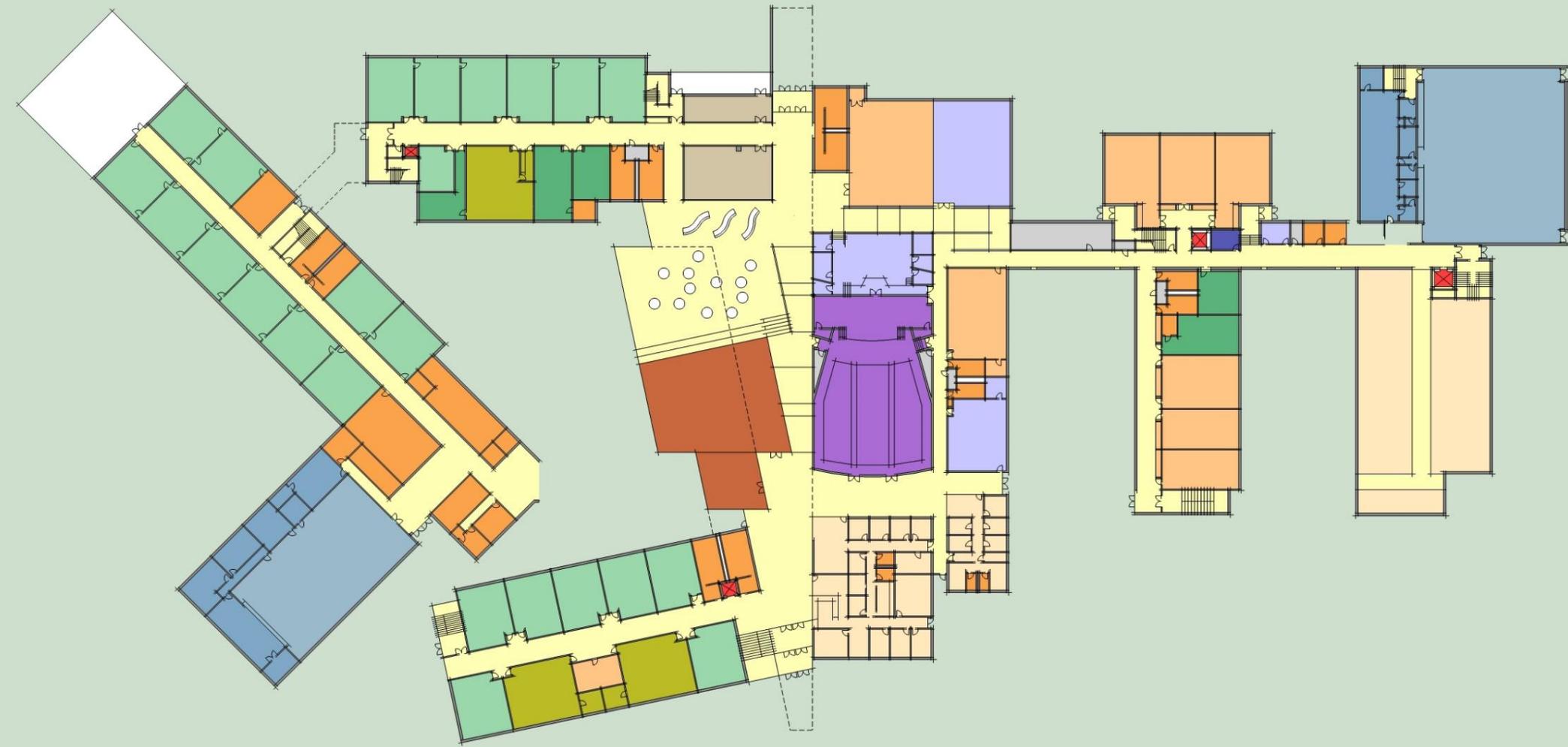
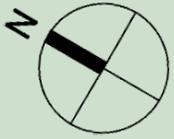
May 2020 to May 2021
Phase 3

Design
Administer construction

Internal Moves
Dining commons, kitchen, receiving, culinary, media center, administration, guidance, nurse's suite & new classrooms to new space

Demolition (June to September)
Northwest classroom wing interior

Construction (& Renovation)
Northwest classroom wing renovation



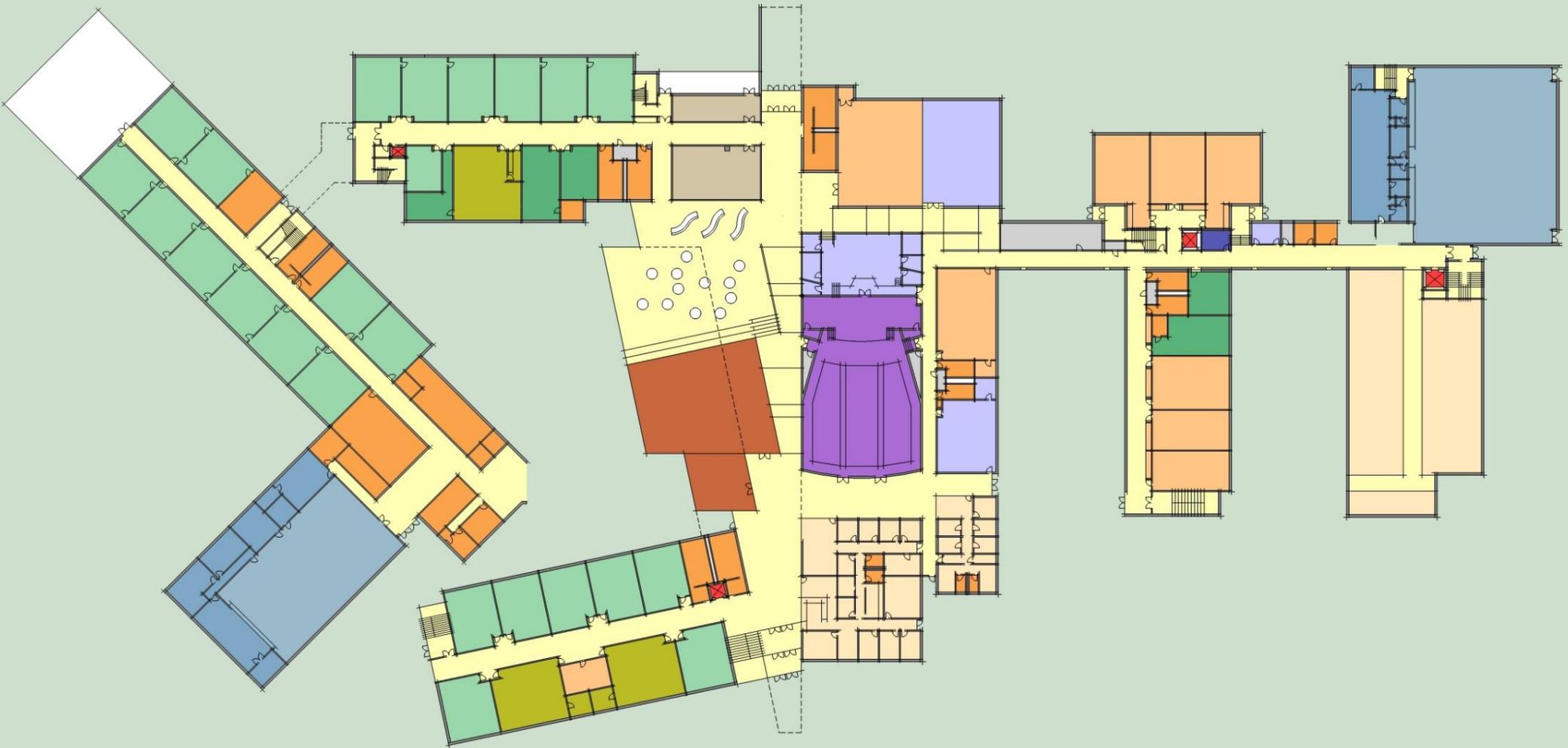
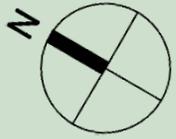
May 2020 to May 2021
Phase 3

Design
Administer construction

Internal Moves
Central classroom wing to middle school wing

Demolition (June to September)
Central classroom wing interior

Construction (& Renovation)
Band, high bay technical education and central classroom wing



May 2021 to May 2022
Phase 4

Design
Administer construction

Internal Moves
PE to middle school, technical education & classrooms to new space

Demolition (June to September)
Gym and technical education interiors

Construction (& Renovation)
Gym & custodial space



May 2022 to Sept. 2022
Phase 5

Design
 Administer & close out construction

Internal Moves
 PE & custodial to new space

Demolition (June to September)
 Middle school wing & site

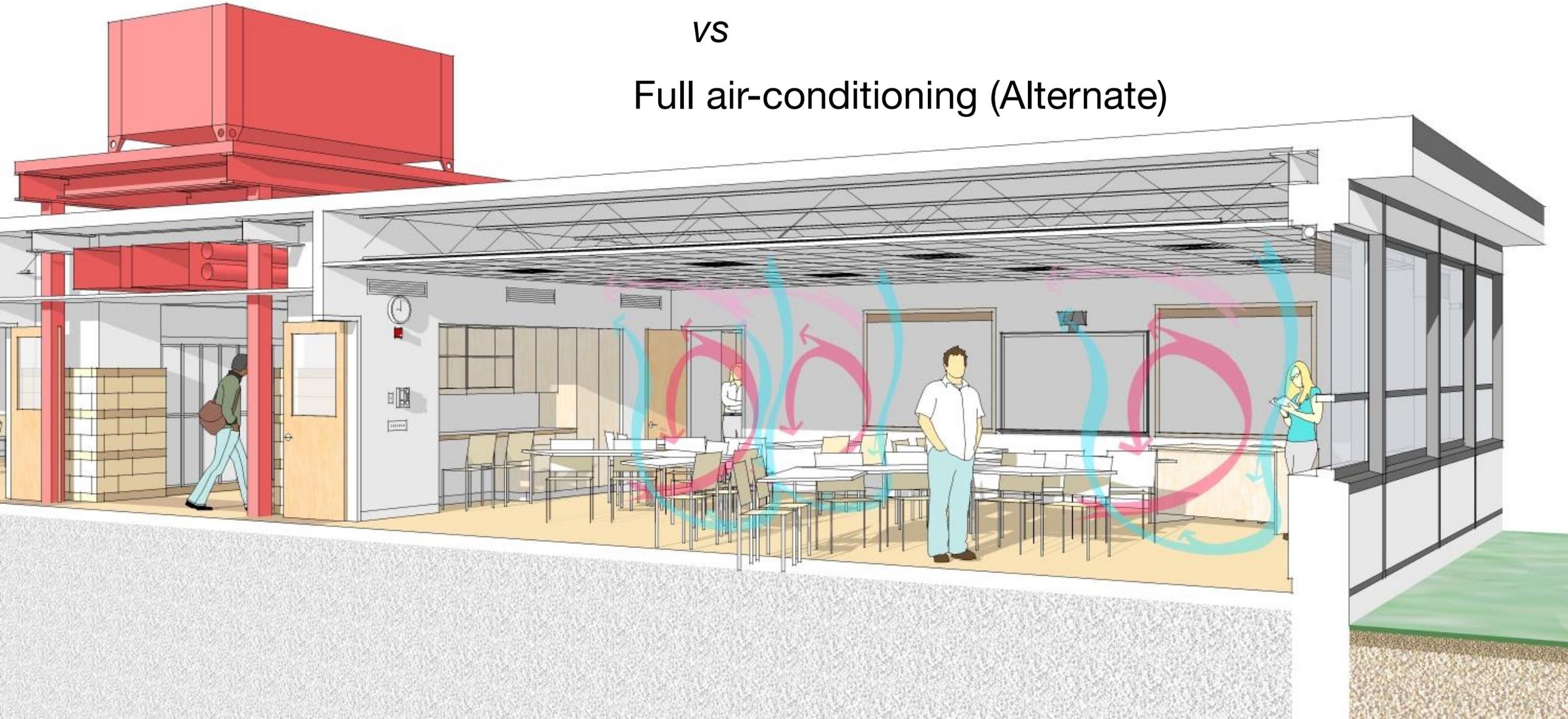
Construction (& Renovation)
 Phase 4 & site construction

HVAC Systems

Conditioned air & specific air-conditioning

VS

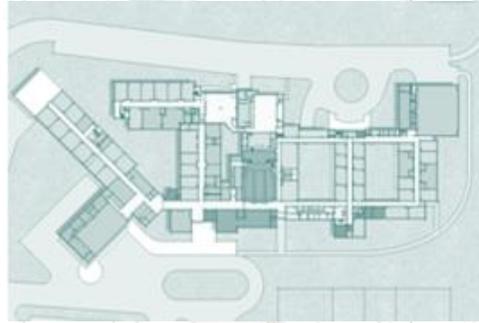
Full air-conditioning (Alternate)



Alternatives Considered

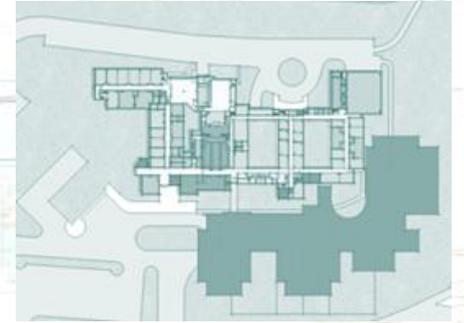
Asset Protection

- 194,673 SF
- \$ 50,401,109



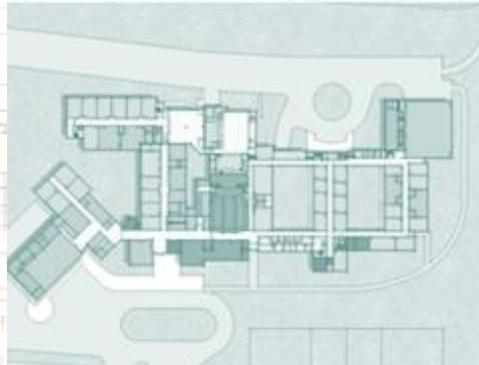
New Construction

- 156,000 SF
- \$74,876,000



Renovation Only

- 170,760 SF
- \$44,210,000



Additions & Renovations

- 169,000 SF
- \$59,802,480



An architectural rendering of a modern university interior. The scene is a large, open-plan space with a high ceiling and a grid of structural elements. The floor is filled with long, white tables and yellow chairs, arranged in a way that suggests a common area or a study space. In the background, there are glass-walled rooms and a staircase. Several people are depicted in various poses, some sitting at tables, some standing, and some walking, giving a sense of activity and life within the space. The overall style is clean and contemporary, with a focus on open-plan living and learning environments.

Questions



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Thank You

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