

SCIENCE CLASSROOM OPTIONS

On the following pages are several concepts that were discussed over the course of this study. Each option has advantages and disadvantages that should be considered.

Existing to Remain as is:

Points to Consider:

- Less capital cost
- Construction costs continue to rise, typically 3%-5% annually a delay in needed construction may cost more in the future
- Lack of adequate teaching space may have an impact on learning/teaching
- Per the May 2010 MSBA report on Science classrooms and labs the ratio of accidents to square foot per student greatly increases when there is less than 60 square feet per student

Option 1: Renovations of Existing Science Classrooms: No expansion of classroom size

Points to Consider:

- Additional renovations and costly upgrades to the facility (ie ADA, sprinkler, seismic) will not be required
- New furniture and fixtures would be provided
- Does not address educational or space issues/needs- does not meet MSBA standards
 - Lack of space may have an impact on learning/teaching and per MSBA study, safety.
- Intrusive renovation will require phased construction/relocation of classrooms to modular units

Option 2: Renovation-Expansion of Existing Science Classrooms within the Building Footprint: Utilize existing modular classrooms - No addition to the building

Points to Consider

- Addresses Educational and Physical Needs at a (probable) lower cost than new construction
- Higher initial capital cost than previous options
- Intrusive renovation and significant phased construction requirements
- Due to expansion of science classrooms, other classrooms will be permanently displaced to the modular classroom building; this may/may not fit with the educational program vision for the school.
- Modular classrooms are not designed as permanent, long-term facilities; a long-term solution will be required within the next 10 years (expected remaining lifespan for modular classrooms).
- Renovations will trigger ADA, seismic, and sprinkler upgrades

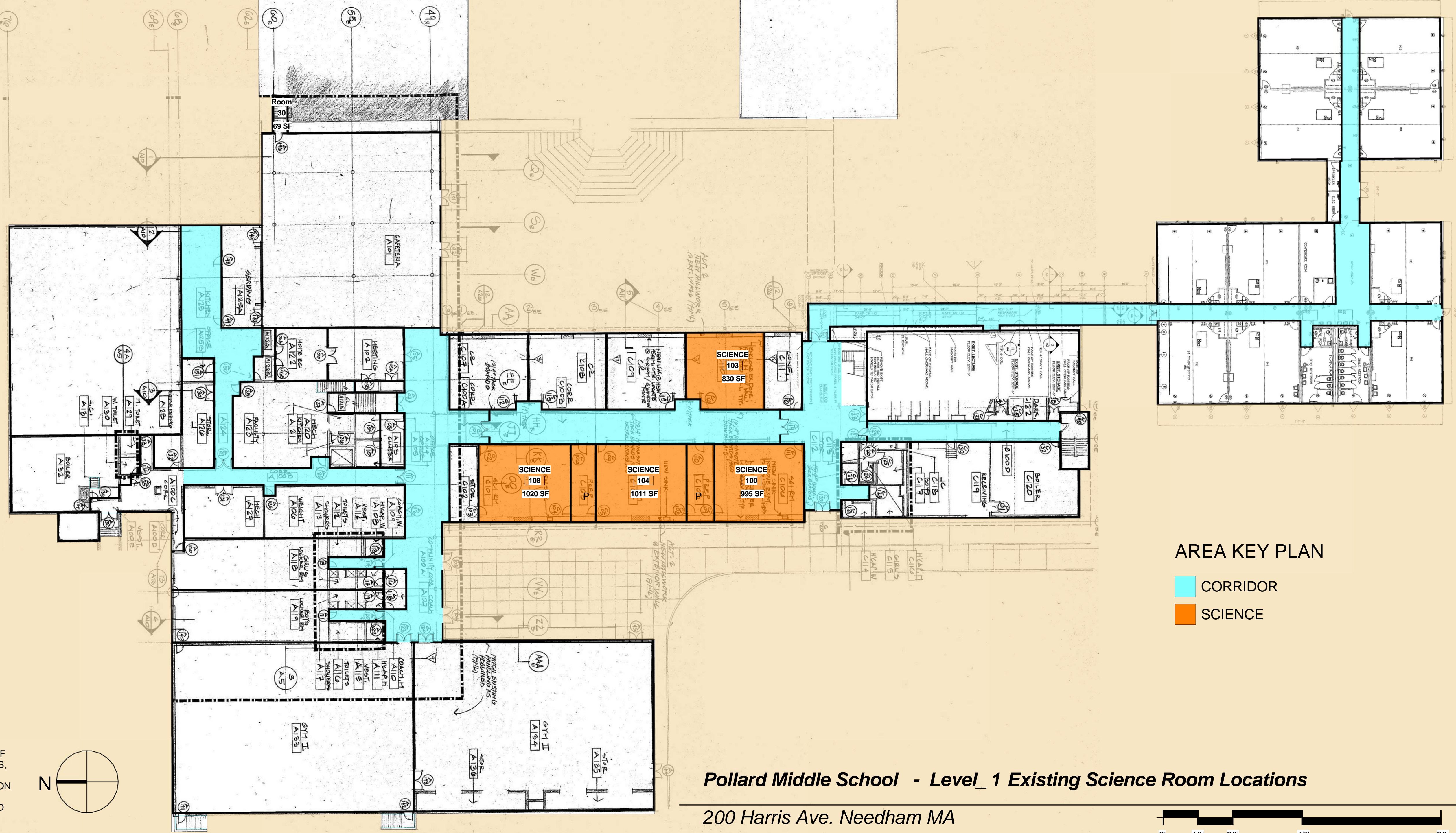
- Renovations will affect existing hvac, electrical, and plumbing systems

Option 3: New Addition and Renovation: Construct 8 classroom addition to the existing building, renovate/reconstruct three existing classroom spaces for use as 2 Science classrooms (total of 10). Renovate existing science classrooms for regular classroom use.

Points to Consider

- Addresses Educational and Physical Needs for Science curriculum
- Creates additional flexibility in future growth and space needs – allows for future elimination of modular classrooms
- Allows for easier phasing of construction than previous options
- Constructing New Addition allows for construction to occur while school is in session and minimize impact of using modular classrooms
- Provides for permanent long-term solution
- Provides the additional flexible classroom space for the expansion and relocation of the Administrative offices
- Requires egress improvements to exiting from courtyard space, if constructed as shown in Option 3 sketches
- Higher initial capital cost

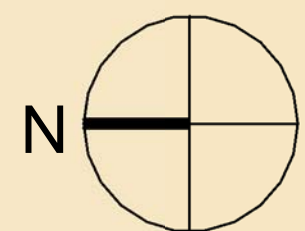
FOUNDATION



AREA KEY PLAN

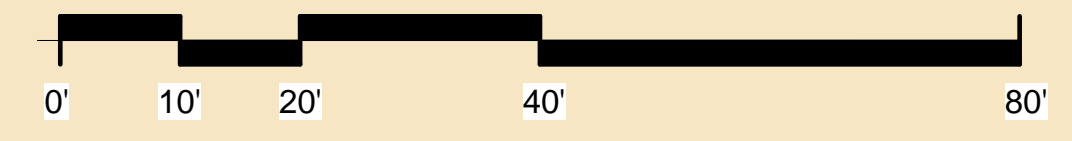
- CORRIDOR
- SCIENCE

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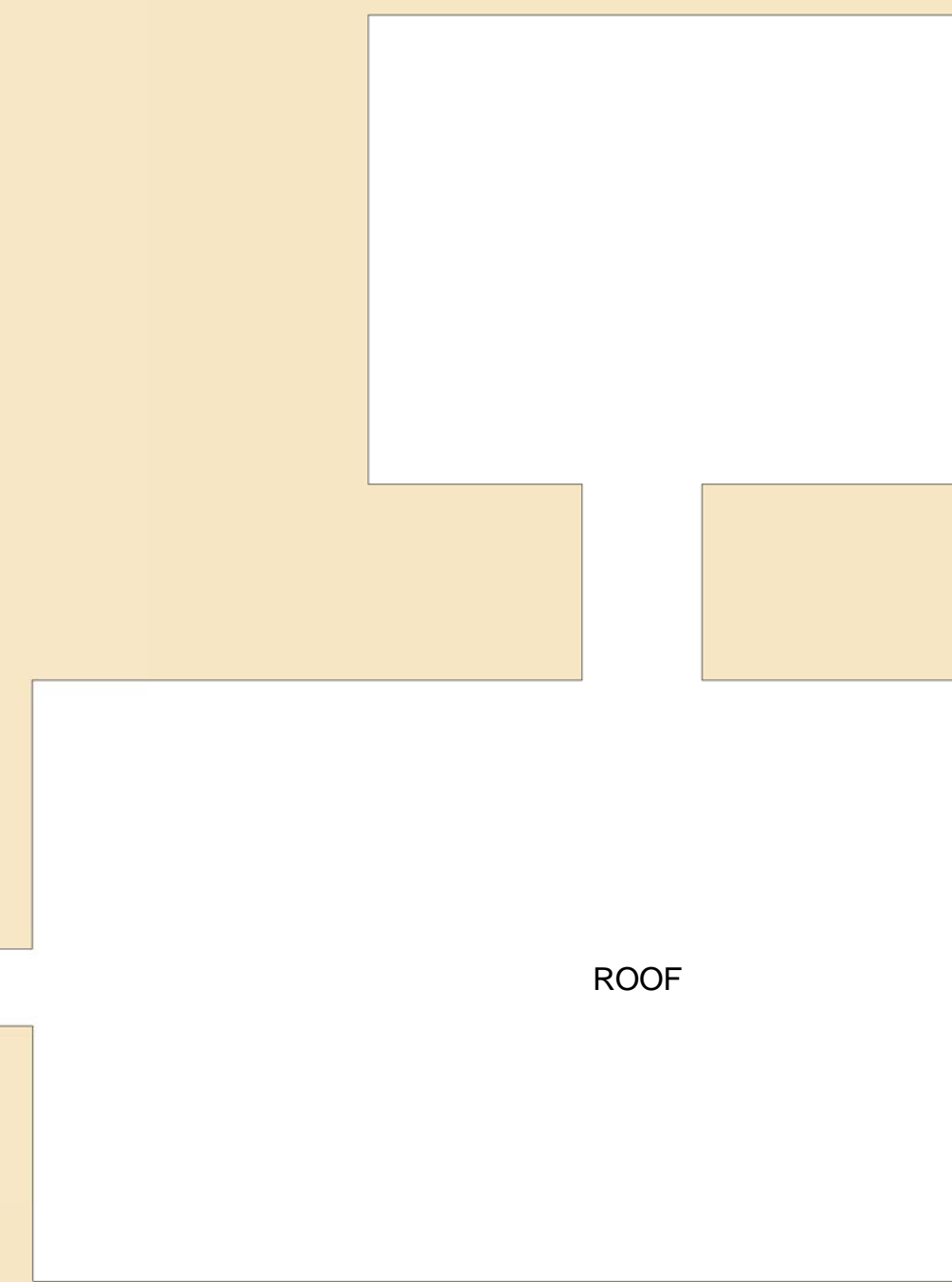
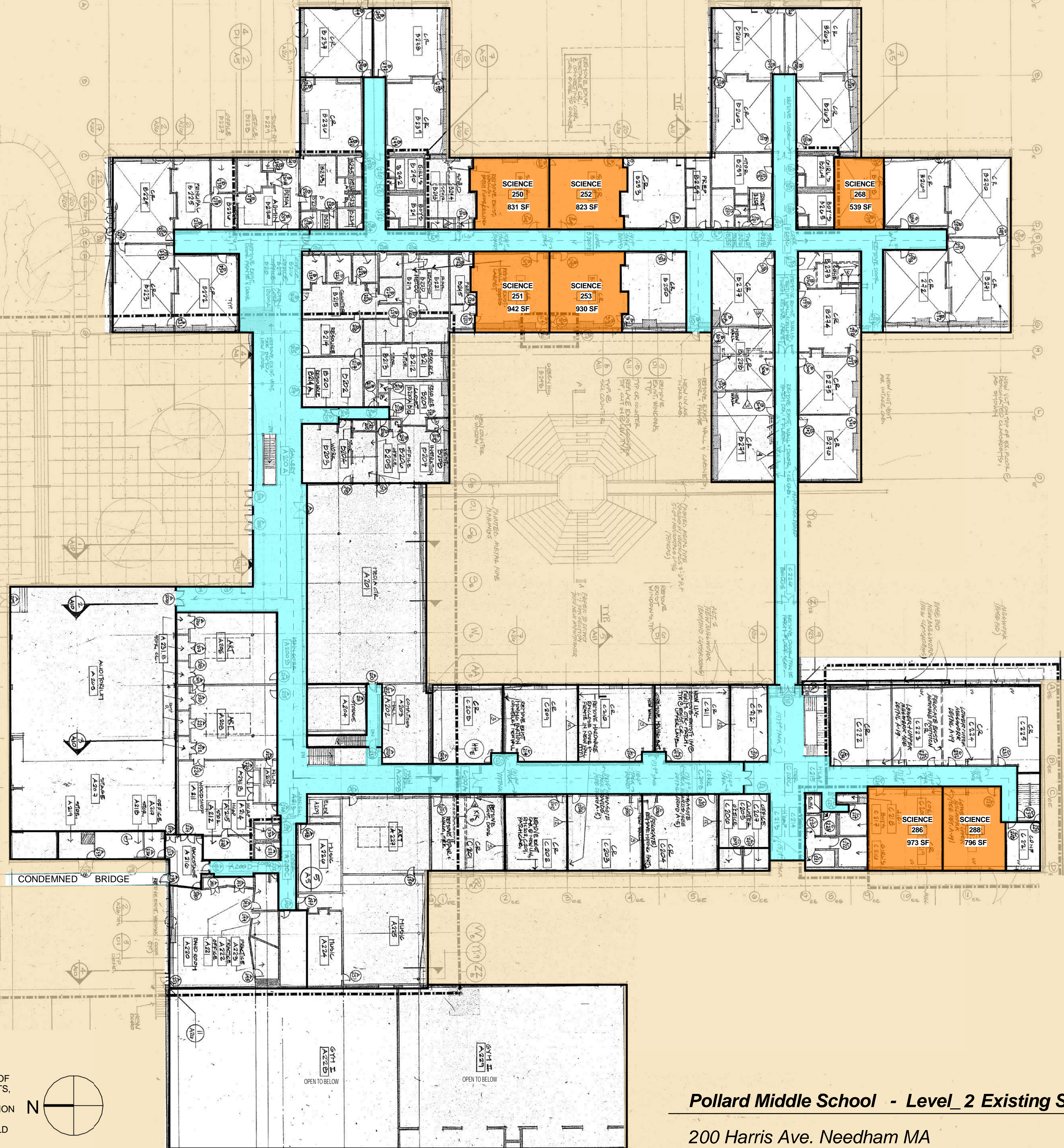
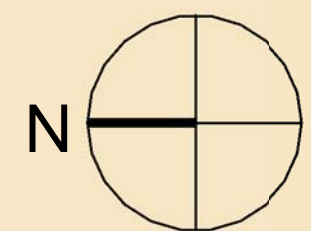


Pollard Middle School - Level_1 Existing Science Room Locations

200 Harris Ave. Needham MA



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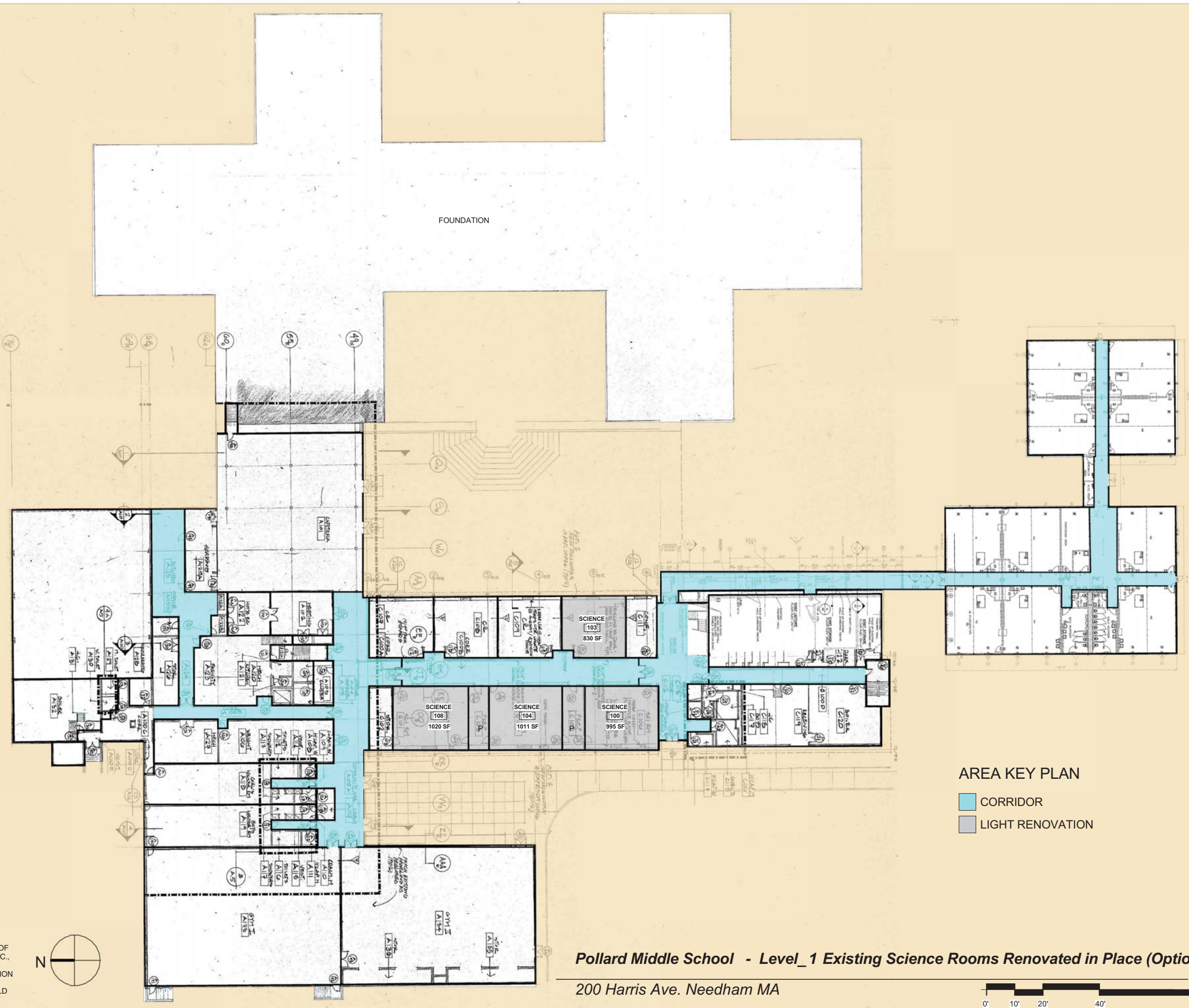
AREA KEY PLAN

- CORRIDOR
- SCIENCE

Pollard Middle School - Level_2 Existing Science Room Locations

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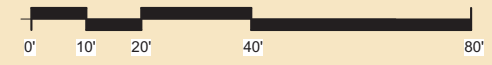
AREA KEY PLAN
 ■ CORRIDOR
 ■ LIGHT RENOVATION

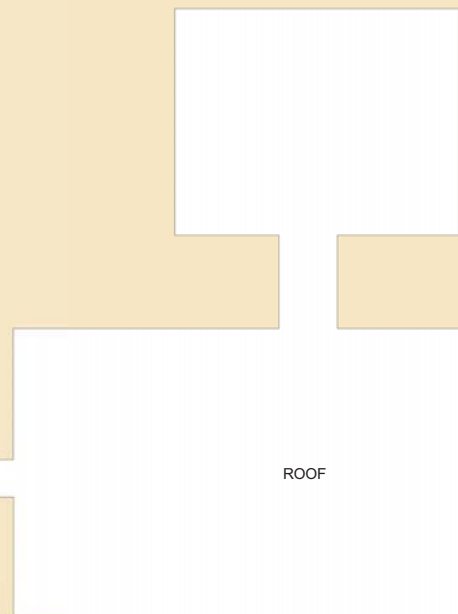
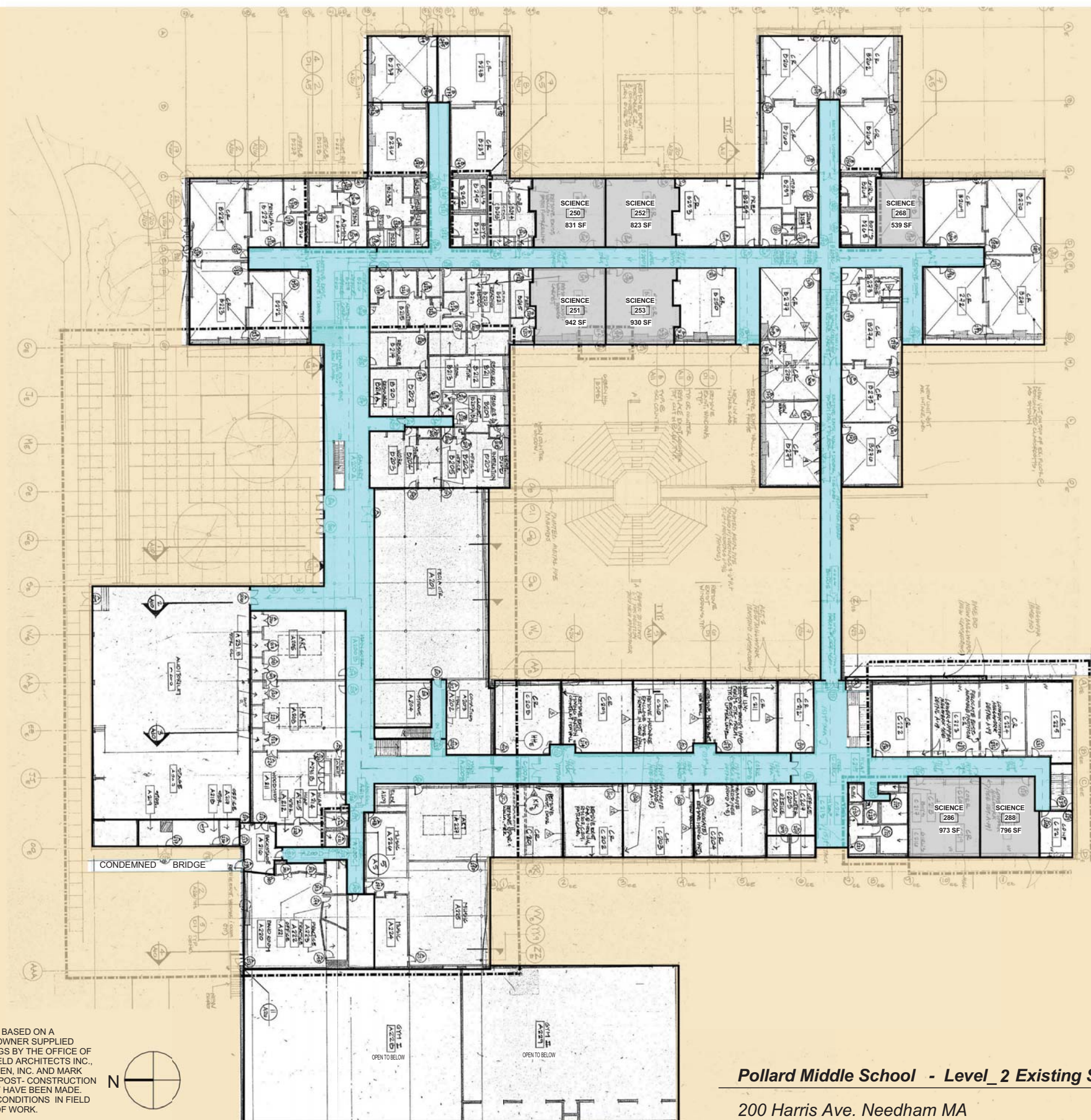
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Pollard Middle School - Level_1 Existing Science Rooms Renovated in Place (Option 1)

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AREA KEY PLAN

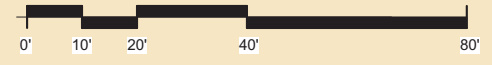
- CORRIDOR
- LIGHT RENOVATION

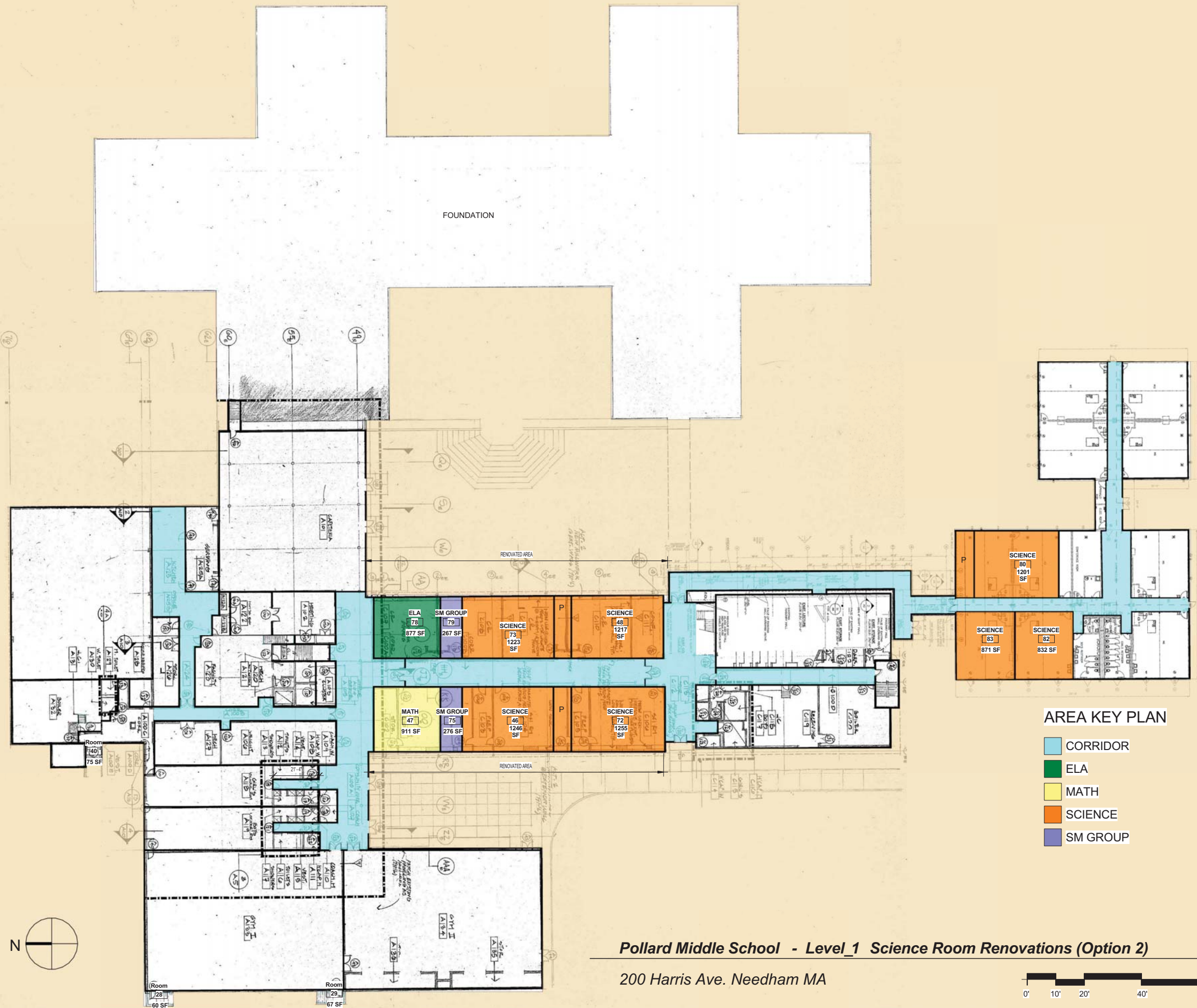
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Pollard Middle School - Level_2 Existing Science Rooms Renovated in Place (Option 1)

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AREA KEY PLAN

- CORRIDOR
- ELA
- MATH
- SCIENCE
- SM GROUP

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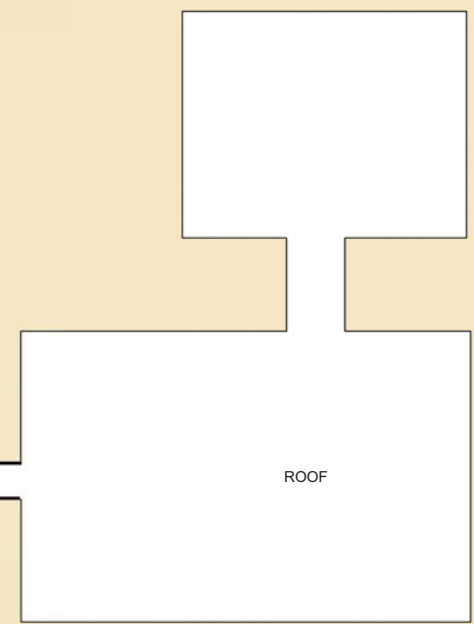


Pollard Middle School - Level 1 Science Room Renovations (Option 2)

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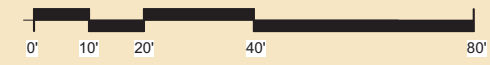


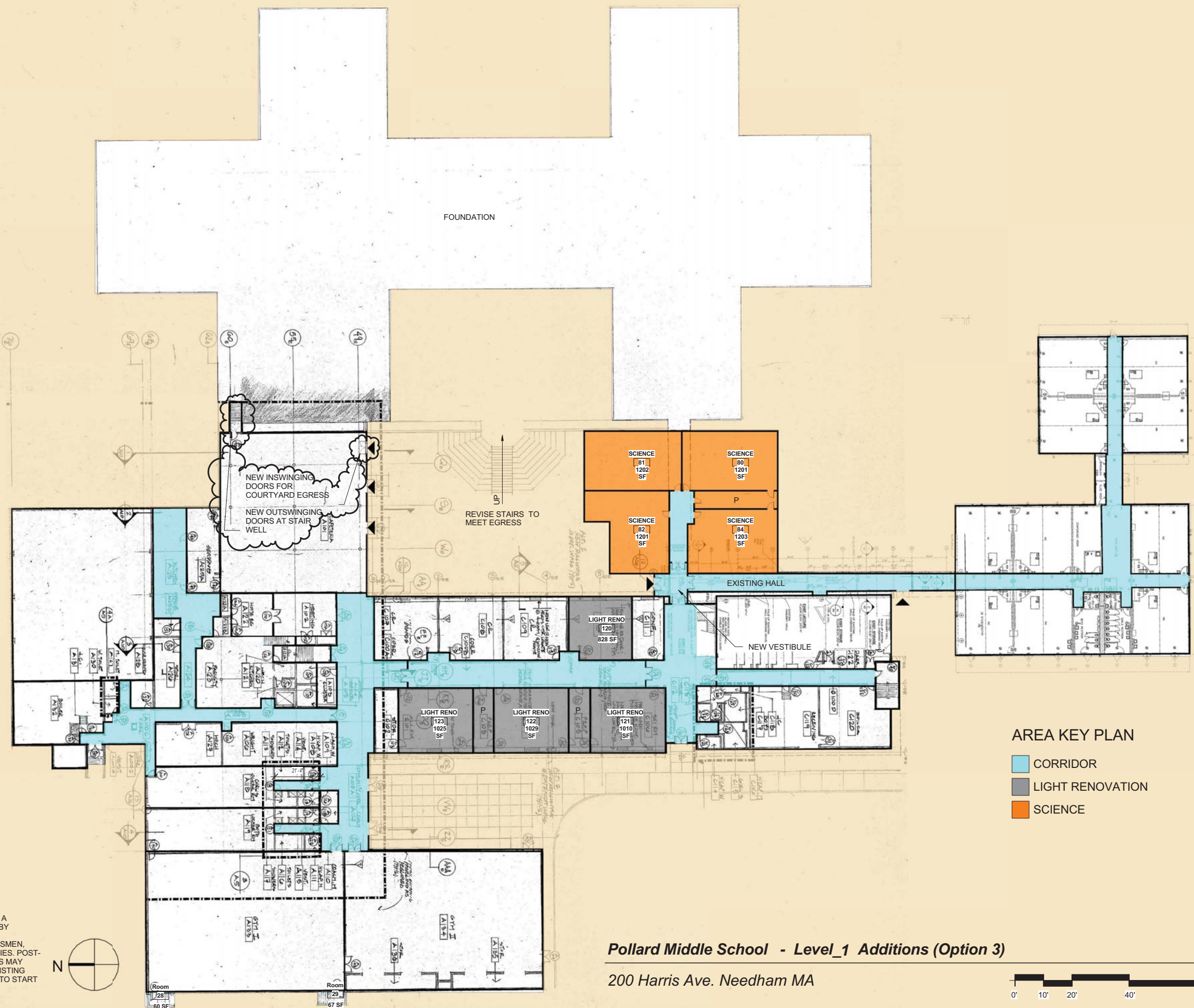
AREA KEY PLAN

- COMP
- CORRIDOR
- GUIDANCE
- MATH
- SCIENCE
- SP/ED
- SS

Pollard Middle School - Level_2 Science Room Renovations (Option 2)

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- AREA KEY PLAN**
- CORRIDOR
 - LIGHT RENOVATION
 - SCIENCE

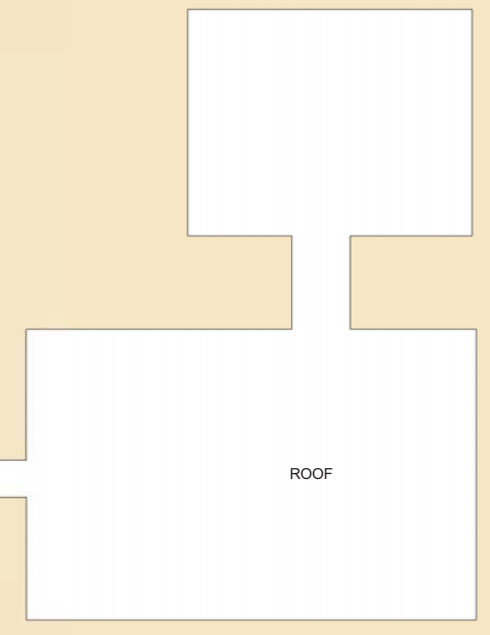
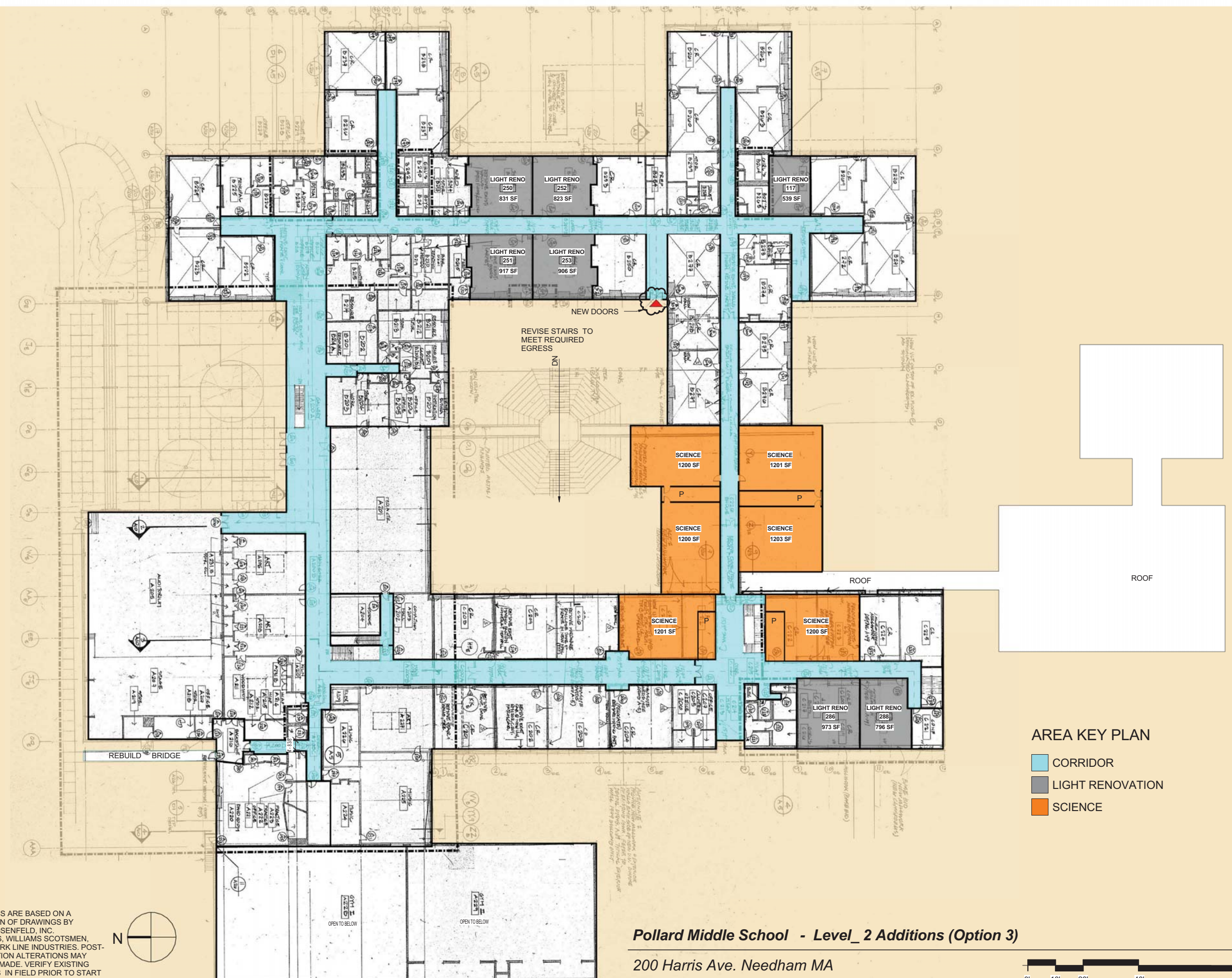
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Pollard Middle School - Level_1 Additions (Option 3)

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- AREA KEY PLAN**
- CORRIDOR
 - LIGHT RENOVATION
 - SCIENCE

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Pollard Middle School - Level_2 Additions (Option 3)

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