

ANN ARBOR PUBLIC SCHOOLS
LEAD. CARE. INSPIRE.



ANN ARBOR PUBLIC SCHOOLS

CAPITAL PROGRAMS UPDATE

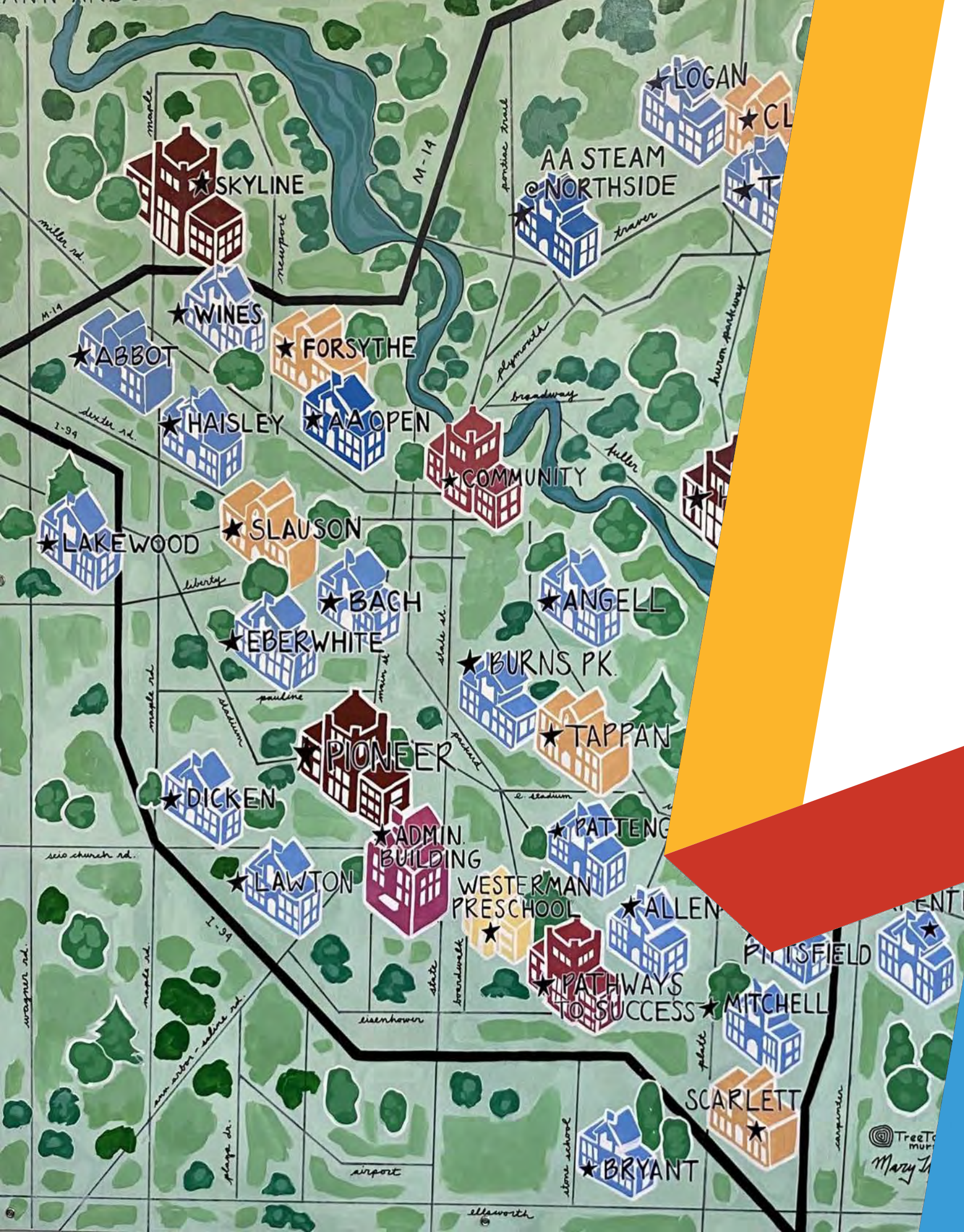
SEPTEMBER 28, 2022

Bernerd Rice, Assistant Superintendent
Capital Programs and Physical Properties

Jason Bing, Director
Capital Programs

Stephanie Corona, Project Executive
Gilbane Building Company

Kevin Stansbury, Project Design Manager
Gilbane Building Company



The logo for Ann Arbor Public Schools is centered in the upper half of the slide. It consists of a thin yellow rectangular frame. Inside the frame, the text "ANN ARBOR PUBLIC SCHOOLS" is written in a white, sans-serif, all-caps font. Below this, the tagline "LEAD. CARE. INSPIRE." is written in a smaller, white, sans-serif, all-caps font. At the bottom of the frame, there are three small, colored squares: a blue square with a white star, a red square with a white heart, and a yellow square with a white exclamation mark.

ANN ARBOR PUBLIC SCHOOLS
LEAD. CARE. INSPIRE.

2022 Summer Projects Overview

2022 Summer Projects Overview

35 projects at 20 schools over 79 days (June 11-Aug 28)

Completed Projects include:

- Air Conditioning and Lighting projects (+ geothermal)
- Paving Improvements
- Rooftop Replacements and Improvements
- Rooftop Solar Arrays
- Theater Upgrades and Improvements
- Stormwater and Irrigation Updates
- Building Envelope Improvements
- Natural Play Area



2022 Summer Projects Overview (cont)

Project Highlights include:

- **147,426 square feet (SF) of roof replacements** completed across 4 different schools
- **84,433 SF of roof coating** improvements applied across 2 different schools
- **27,250 SF of pavement** completed across 5 different schools
- **311,893 SF of ceiling tiles** replaced across 9 different schools
- **29,221 linear feet (LF) of fire suppression** installed at Clague Middle School
- **325** background checks were conducted from April-August for work on 2022 summer projects

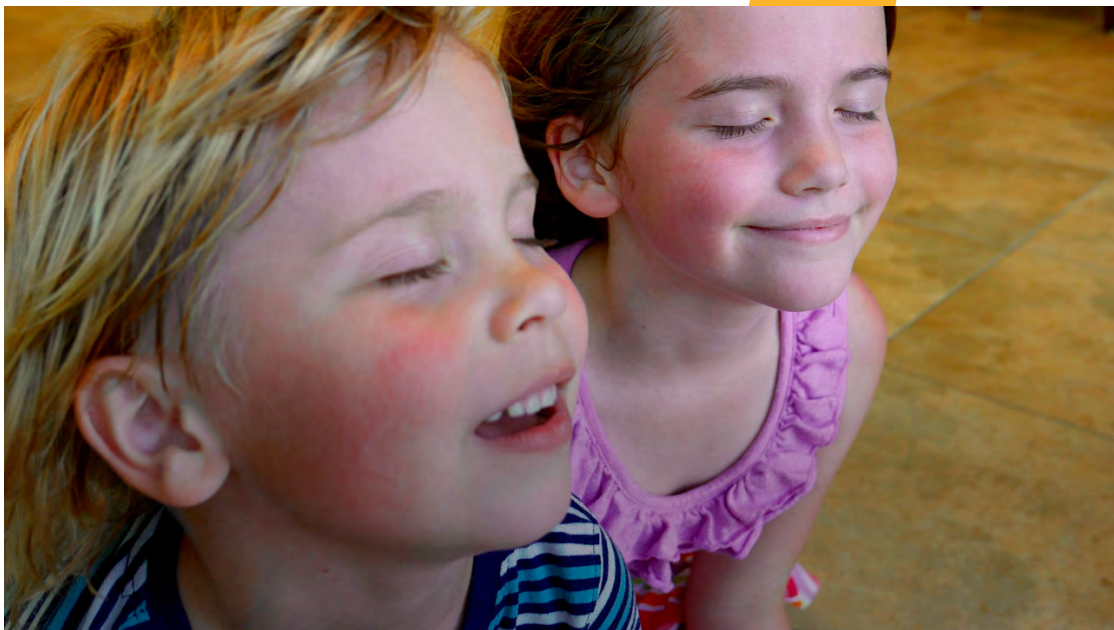
2022 Summer Projects Overview (cont)

*Project Highlights supporting **environmental sustainability** include:*

- **471 kilowatts of rooftop solar** (DC rated capacity) was installed across 3 different schools
- **8,254 light fixtures replaced with high efficiency LEDs** across 15 different schools
- **237 total geothermal vertical bores** drilled at Clague and Forsythe MS to support high performance mechanical HVAC systems
 - 240,020 linear feet (LF) of vertical bore piping installed, equal to **45.5 miles of piping!**

Air Conditioning Bond Improvements

Air Conditioning Program Schedule			
School Year	Square Footage with A/C *	Percentage of SF with A/C	Number of Schools with A/C
Fall 2020	1,579,990	45.7%	11
Fall 2021	1,813,035	52.4%	14
Fall 2022	2,464,615	71.3%	24
Fall 2023	3,156,987	91.3%	30
Fall 2024	3,457,874	100.0%	32
*Does not include miscellaneous spaces in buildings without classroom A/C			



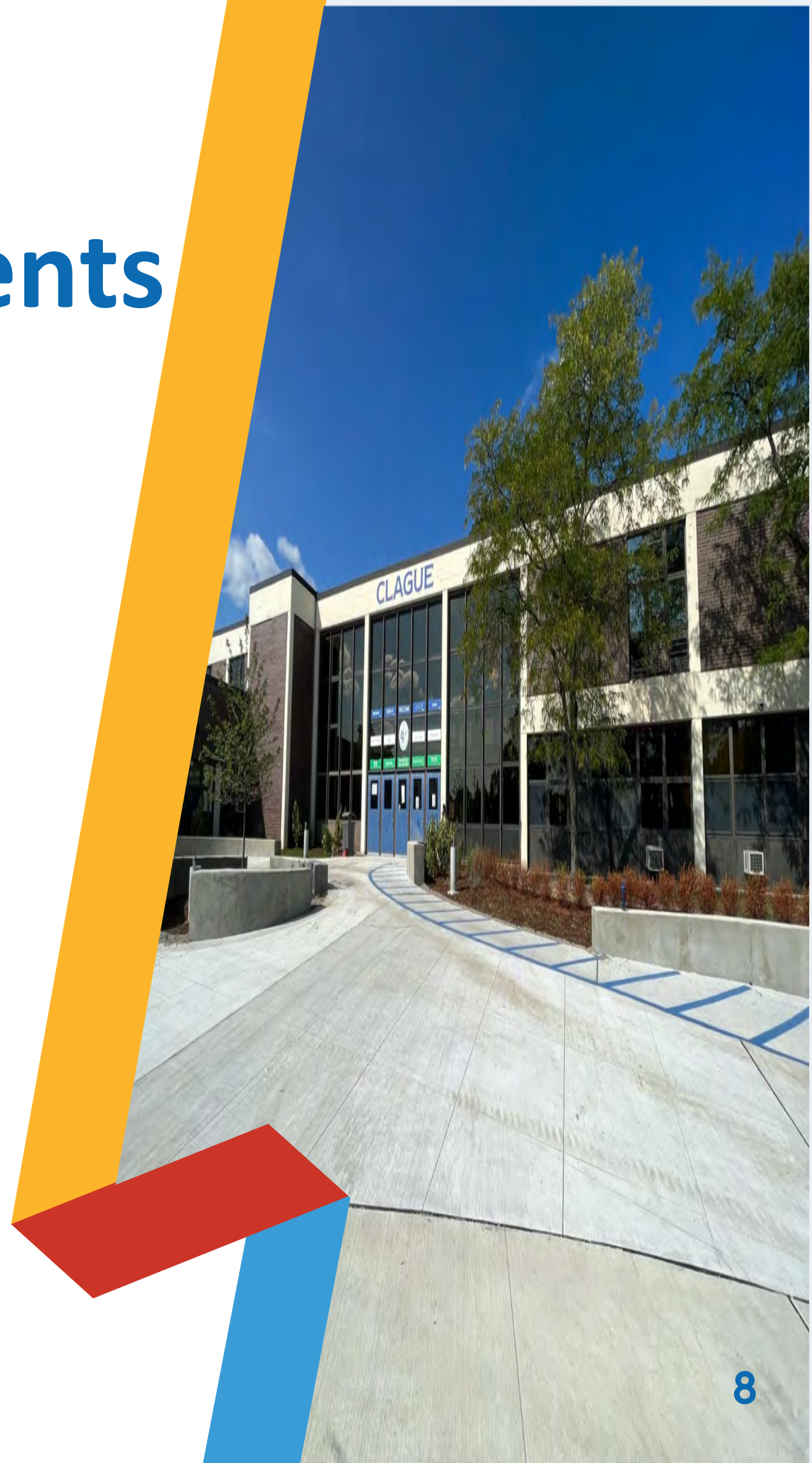
SUMMER AIR CONDITIONING OPERATIONAL TIMELINE				
School	2021	2022	2023	Notes
Angell		online		
Burns Park		online		
Carpenter		online		
Dicken	online			
Lakewood	online			
Mitchell	online			
Community		online		<i>Occupied spaces are cooled; final phase of work continues</i>
Scarlett		online		<i>Occupied spaces are cooled; final phase of work continues</i>
Tappan		online		<i>Occupied spaces are cooled; final phase of work continues</i>
Clague			online	<i>Construction work in progress</i>
Forsythe			online	<i>Construction work in progress</i>
Bach			online	<i>DTE power upgrade</i>
Eberwhite		online		
Pittsfield		online		
Wines			online	<i>DTE power upgrade</i>



2022 Completed Capital Improvements

Additional Capital Needs Addressed include:

- Converted underutilized spaces into classrooms at Forsythe, Scarlett and Tappan Middle Schools
- Collaboration spaces at Scarlett Middle School
- Entry improvements at Clague Middle School
- New storage rooms at Community High School
- New access for HVAC maintenance at Community High School



2022 Completed Capital Improvements

Additional Capital Needs Addressed include:

- Cross corridor doors at Tappan Middle School
- Music room acoustical improvements at Clague, Forsythe and Scarlett Middle Schools
- Student Services center at Scarlett Middle School
- Social/Emotional spaces at Scarlett Middle School
- Secure vestibule upgrades at Tappan Middle School

ANN ARBOR PUBLIC SCHOOLS
LEAD. CARE. INSPIRE.



Completed Bond Projects Since 2020

Completed Bond Projects Since 2020

Theater Rigging Improvements Completed at 4 Schools

- ▶ Clague Middle School
- ▶ Pioneer High School – Both Schreiber and Little Theaters
- ▶ Scarlett Middle School
- ▶ Slauson Middle School

Paving Improvements Completed at 6 Schools

- ▶ Allen Elementary
- ▶ Dicken Elementary
- ▶ Logan Elementary (Patch/Repair)
- ▶ Pattengill Elementary (Patch/Repair)
- ▶ Pittsfield Elementary (Patch/Repair)
- ▶ Wines Elementary (Patch/Repair)

Completed Bond Projects Since 2020 (cont)

Roofing Improvements Completed at 7 Schools

- ▶ Bryant Elementary
- ▶ Huron High School
- ▶ King Elementary
- ▶ Mitchell Elementary
- ▶ Pattengill Elementary
- ▶ Pioneer High School
- ▶ Westerman Preschool

Completed Bond Projects Since 2020 (cont)

Playground Projects Completed at 3 Schools

- ▶ Bryant Elementary
- ▶ Eberwhite Elementary
- ▶ Westerman Preschool – Natural Play Area

Solar Projects Completed at 8 Schools

- ▶ A2 STEAM
- ▶ Bryant Elementary
- ▶ Forsythe Middle School
- ▶ Haisley Elementary
- ▶ Huron High School
- ▶ Pattengill Elementary
- ▶ Pioneer High School
- ▶ Westerman Preschool

Other Completed Bond Projects

- ▶ Pioneer High School Theater Improvements
- ▶ Scarlett Exterior Column Repair
- ▶ Skyline Envelope Improvements
- ▶ Skyline Stormwater & Irrigation
- ▶ Tappan Masonry Parapet Restoration



ANN ARBOR PUBLIC SCHOOLS
LEAD. CARE. INSPIRE.



Upcoming Bond Objectives

Upcoming Bond Objectives

- ▶ Air Conditioning & Lighting Upgrades at multiple schools
- ▶ Classroom Improvements
- ▶ Infrastructure Upgrades at the Transportation Building



2022 Accomplishments



ANN ARBOR PUBLIC SCHOOLS
LEAD. CARE. INSPIRE.



Air Conditioning & Lighting Projects

ANGELL - AIR CONDITIONING



ANGELL - LIGHTING



BACH - AIR CONDITIONING



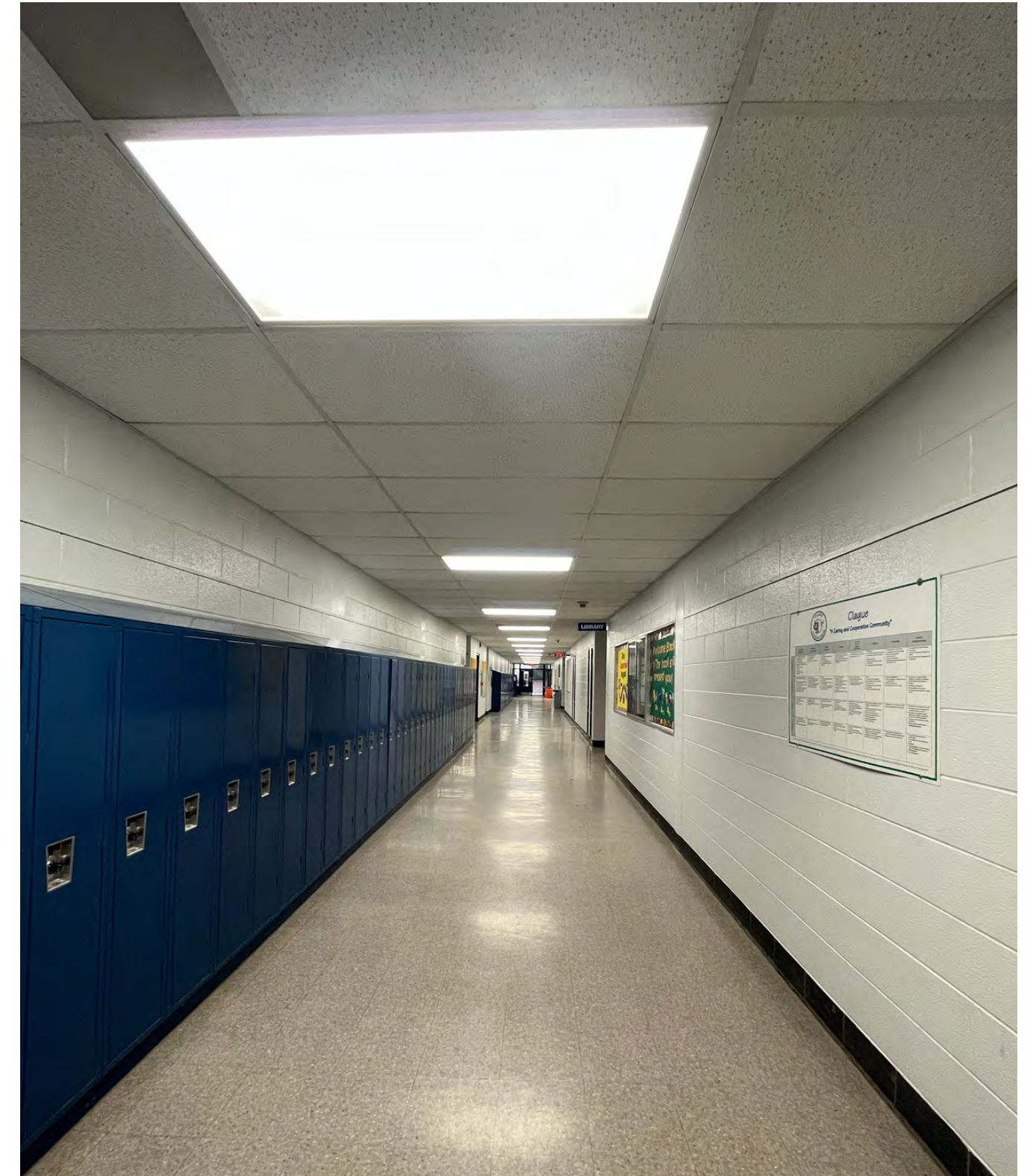
BACH - LIGHTING



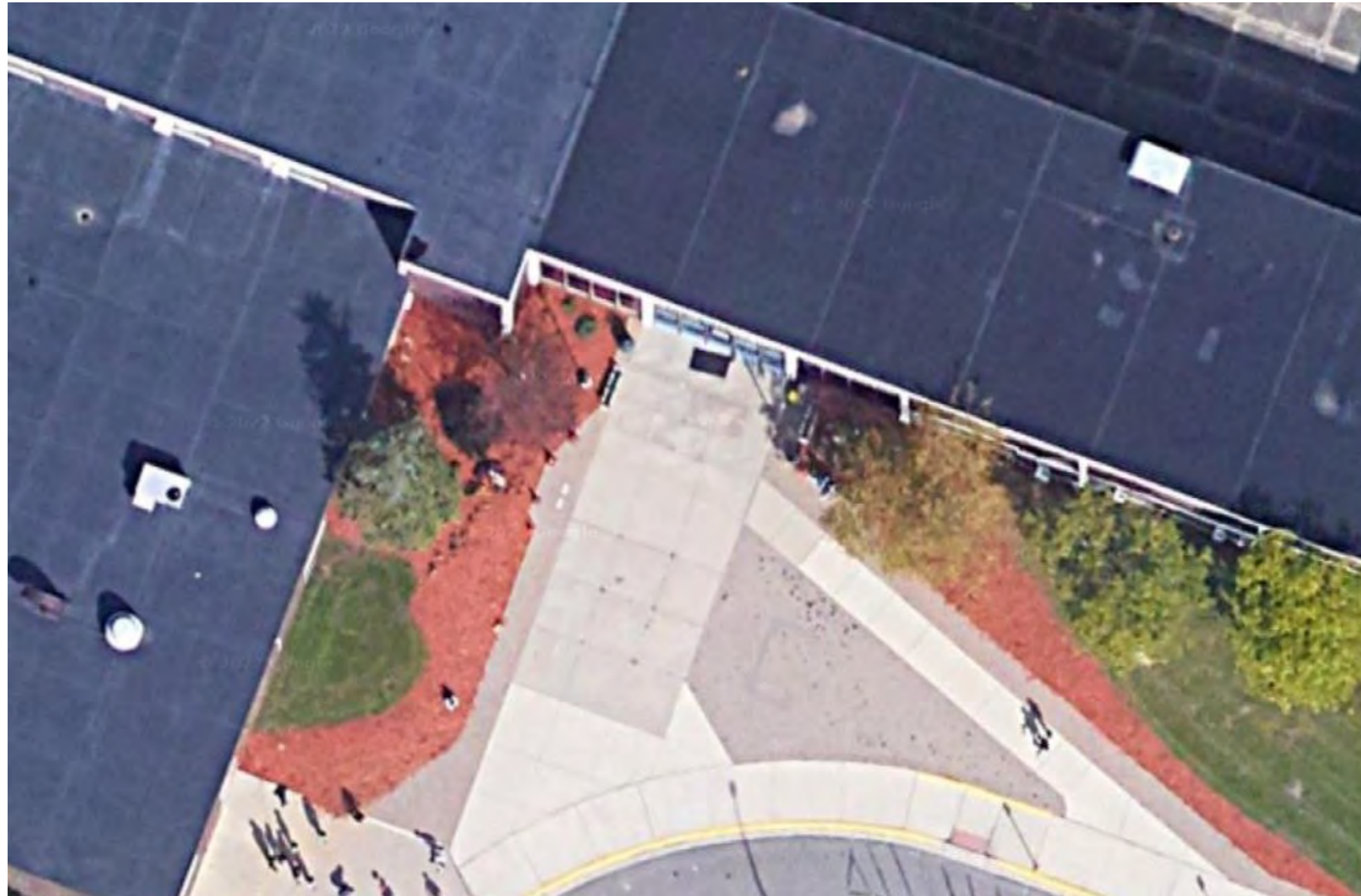
CLAGUE - AIR CONDITIONING



CLAGUE - LIGHTING



CLAGUE - FRONT ENTRANCE RENOVATION



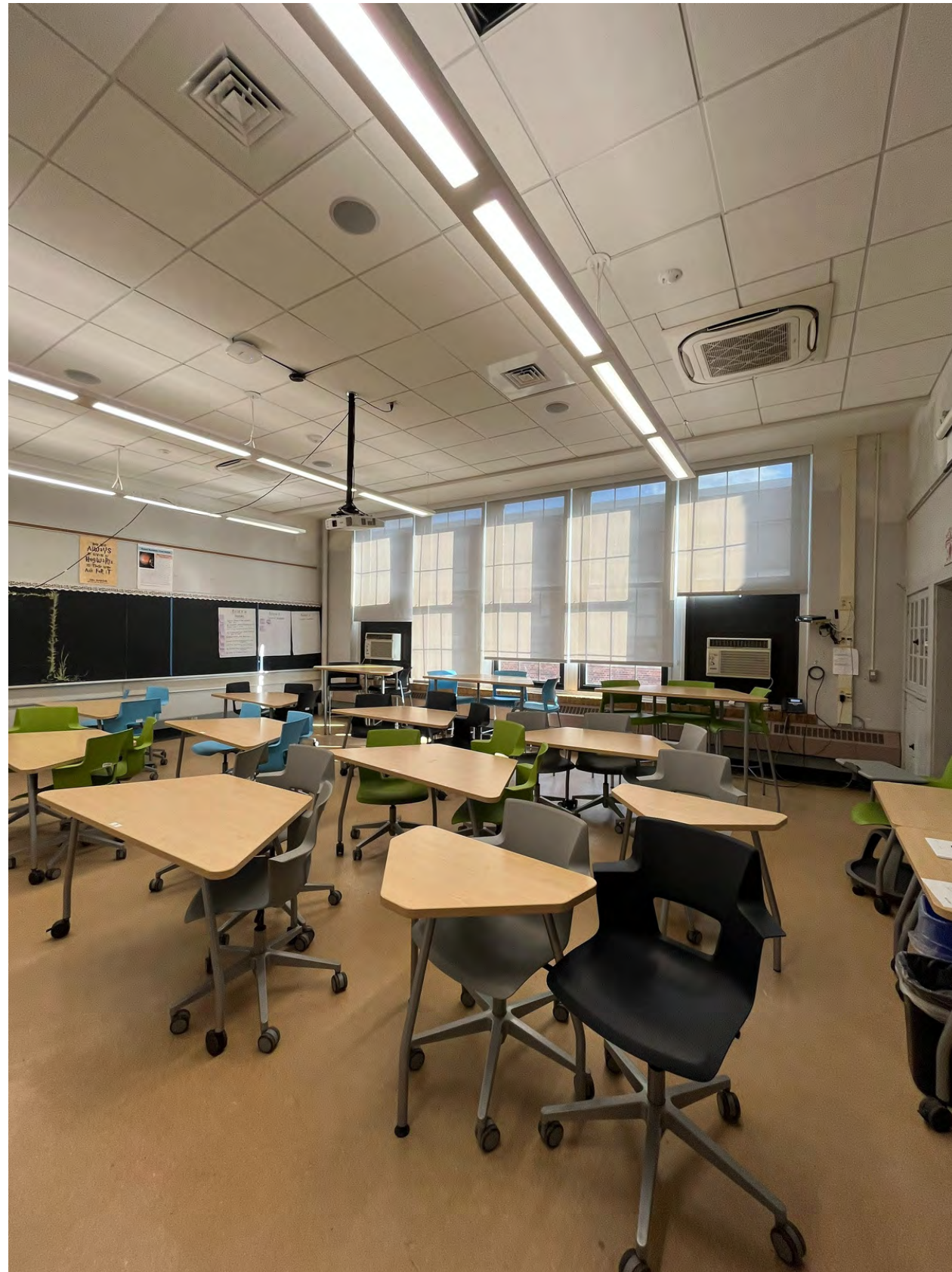
BEFORE

CLAGUE - FRONT ENTRANCE RENOVATION



AFTER

COMMUNITY - AIR CONDITIONING



COMMUNITY - LIGHTING



COMMUNITY – NEW BOILER ROOM ACCESS



COMMUNITY - NEW DOOR INSTALLATION



BEFORE

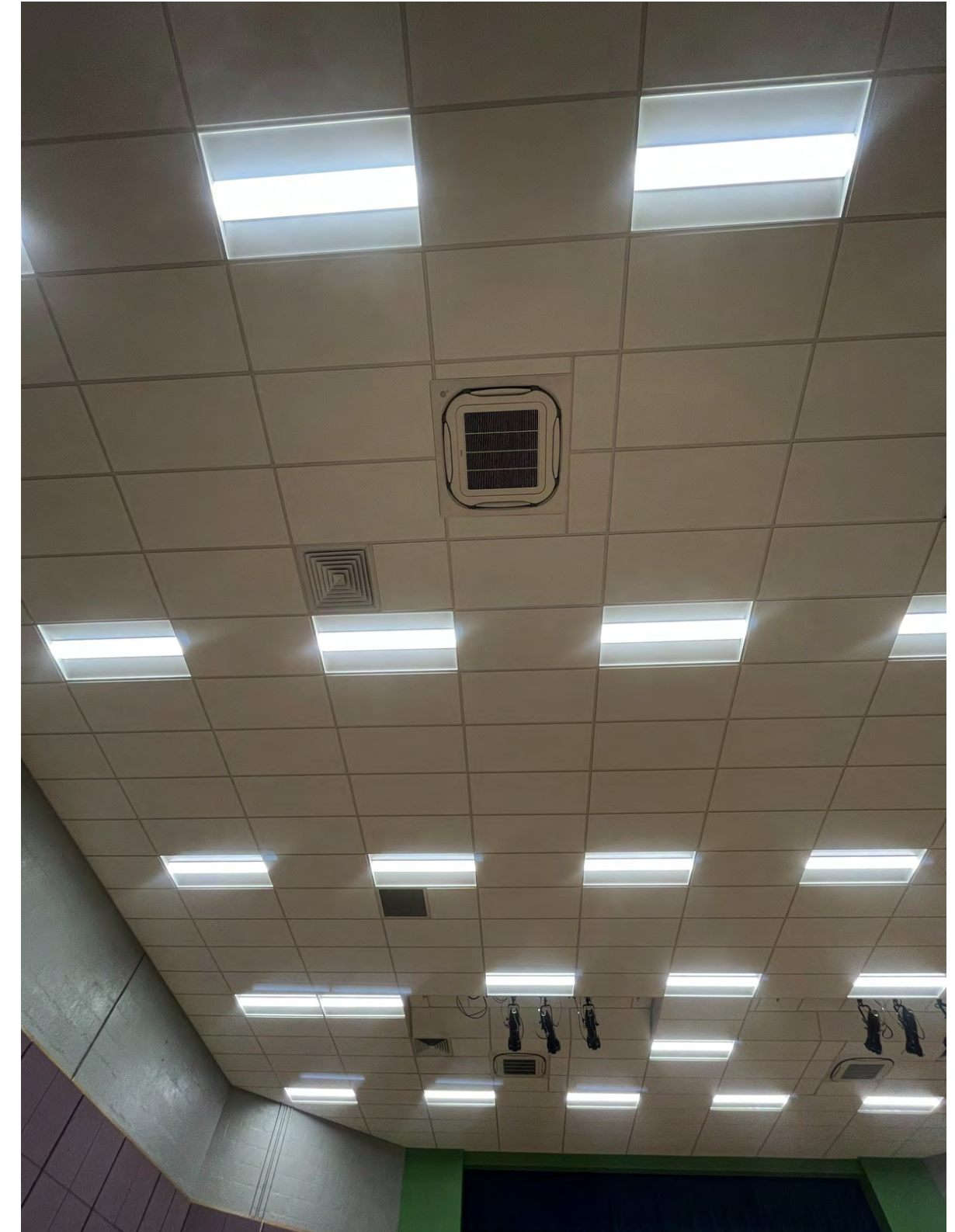


AFTER

EBERWHITE - AIR CONDITIONING & NEW WINDOW SHADES



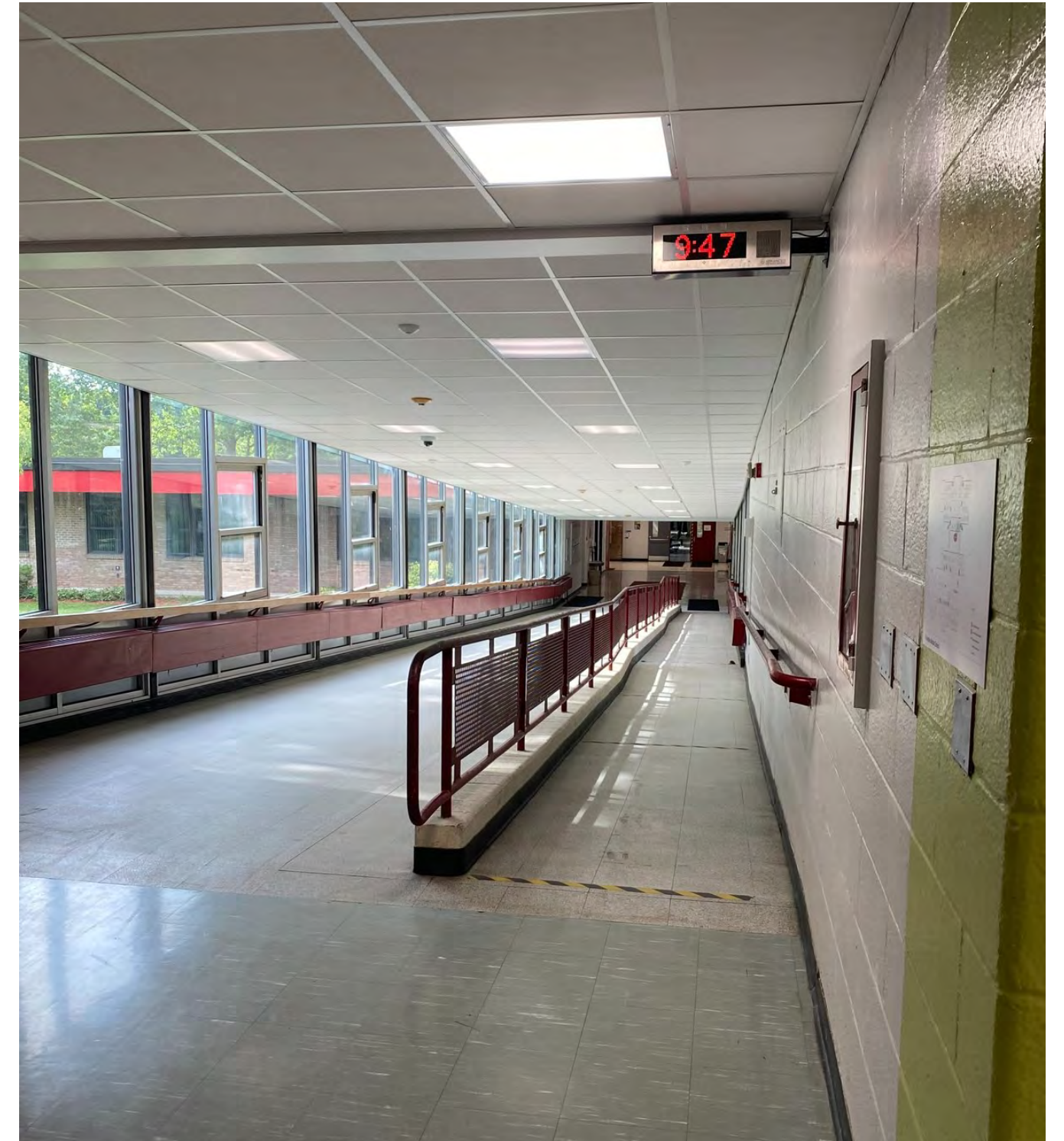
EBERWHITE - LIGHTING



FORSYTHE - AIR CONDITIONING



FORSYTHE - LIGHTING



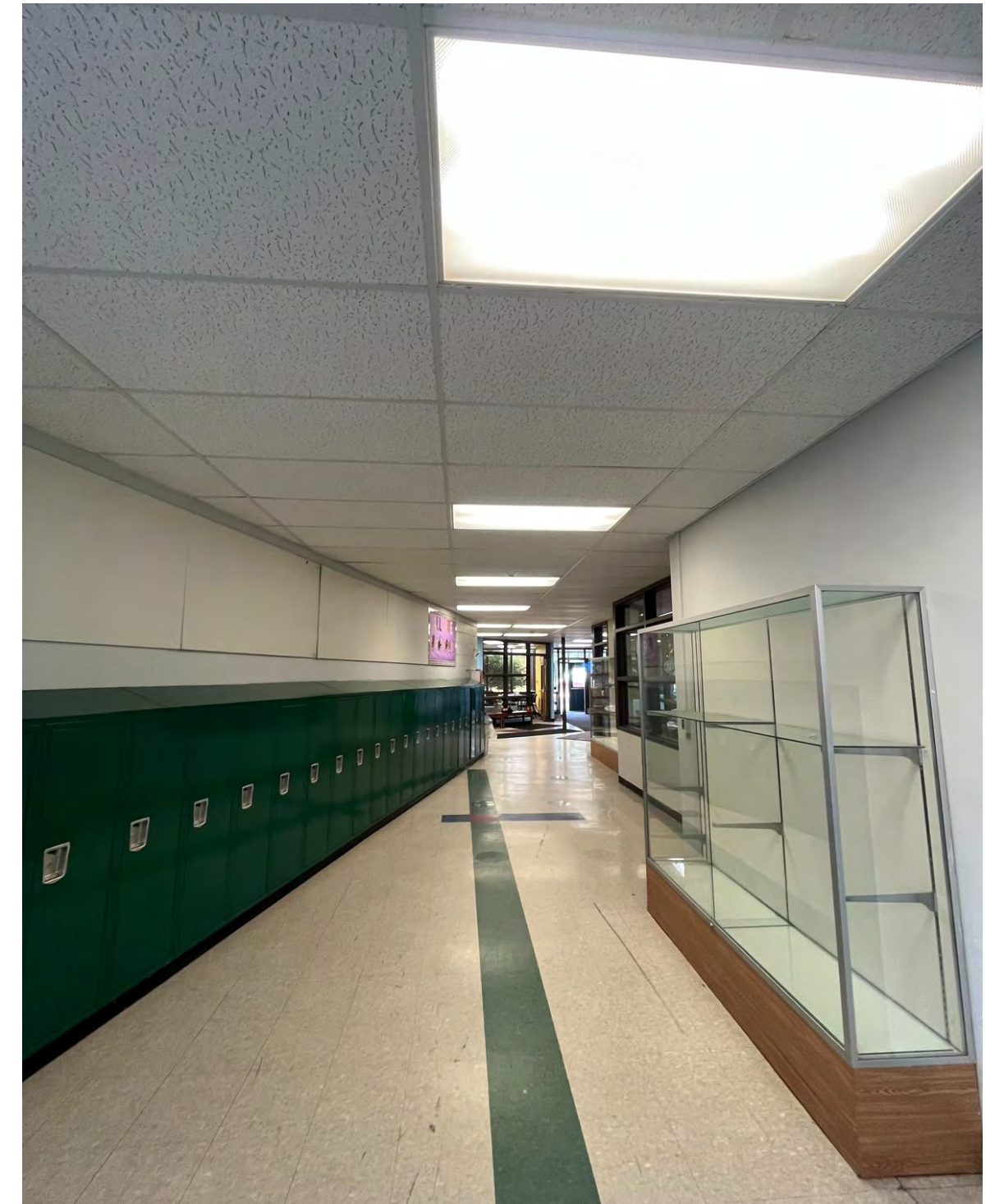
PIONEER - LIGHTING



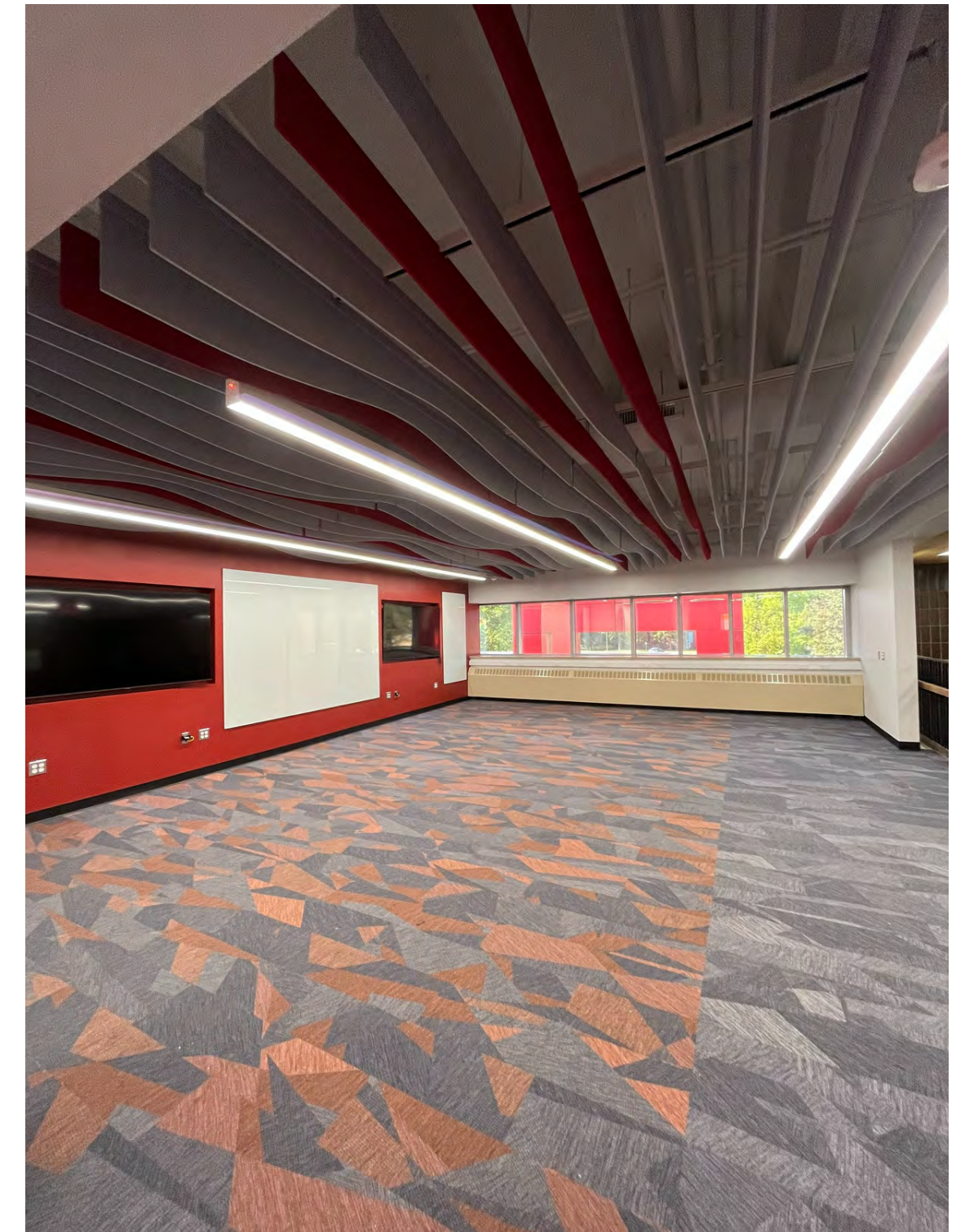
PITTSFIELD - AIR CONDITIONING



PITTSFIELD - LIGHTING



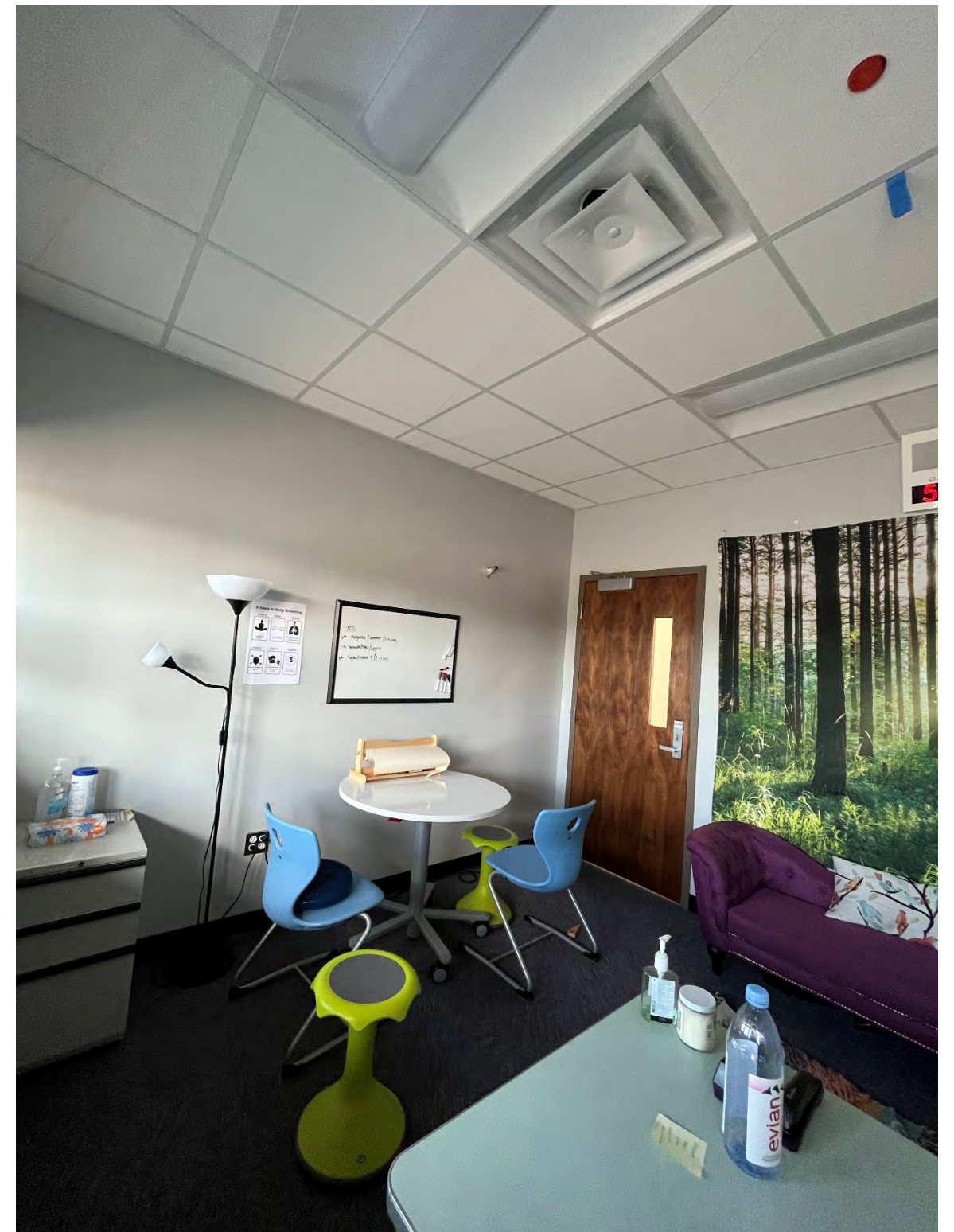
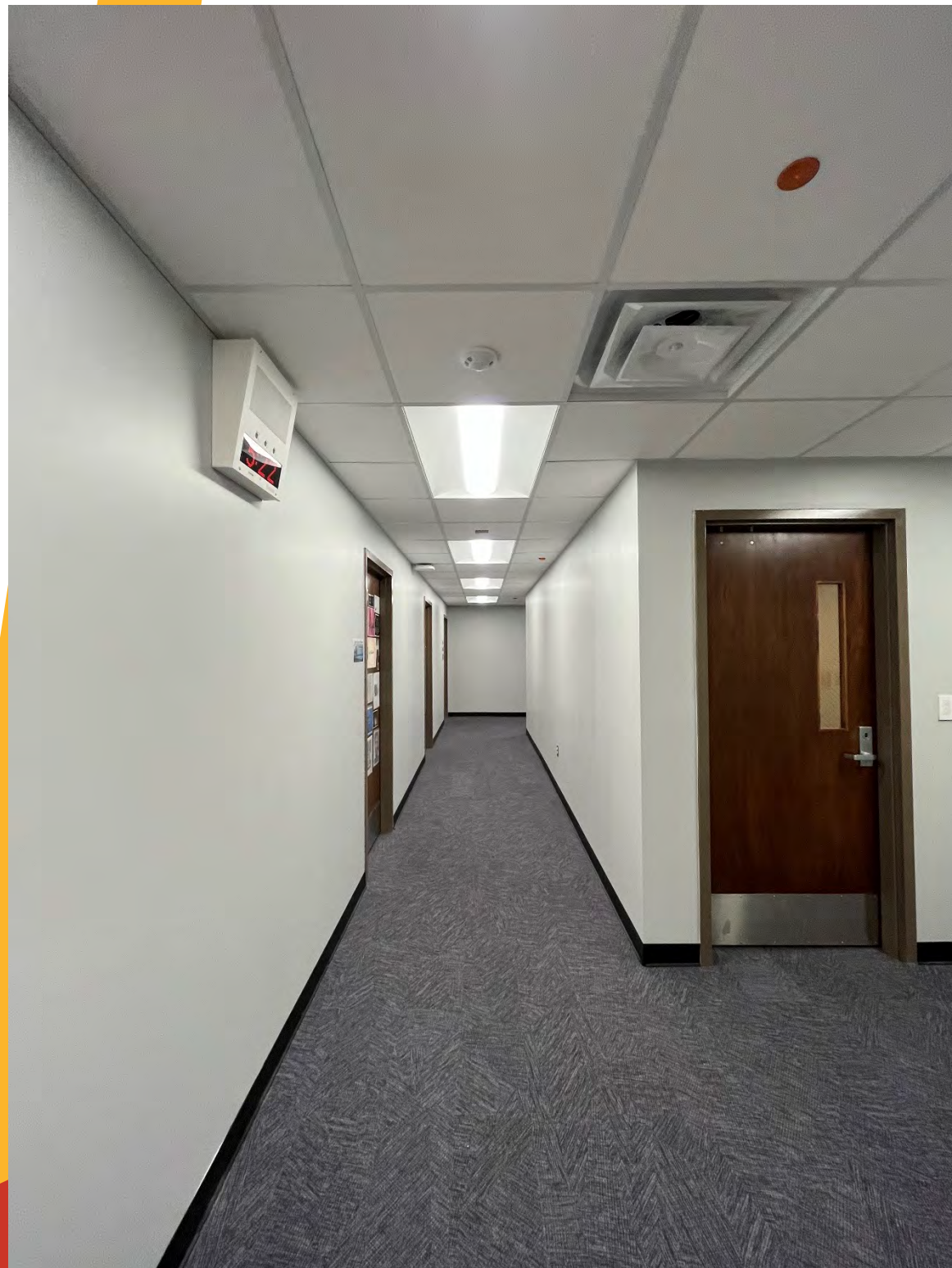
SCARLETT - NEW COLLABORATION SPACE



SCARLETT – TWO NEW CLASSROOMS



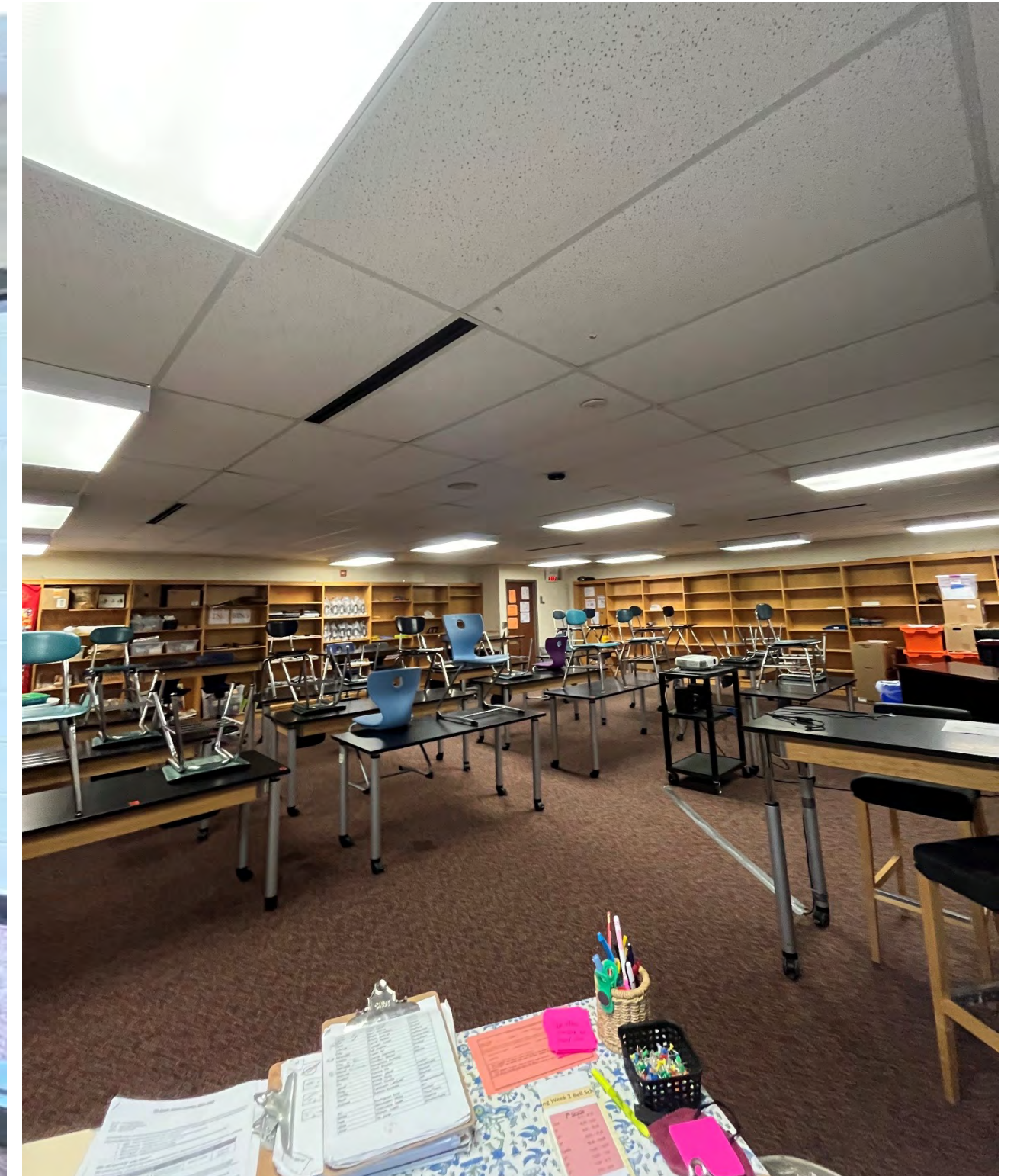
SCARLETT – STUDENT SERVICES CENTER



SCARLETT - NEW CLASSROOM



BEFORE



AFTER

TAPPAN - AIR CONDITIONING



TAPPAN - NEW ROOFTOP AIR CONDITIONING



TAPPAN - LIGHTING



WINES - AIR CONDITONING



WINES - LIGHTING

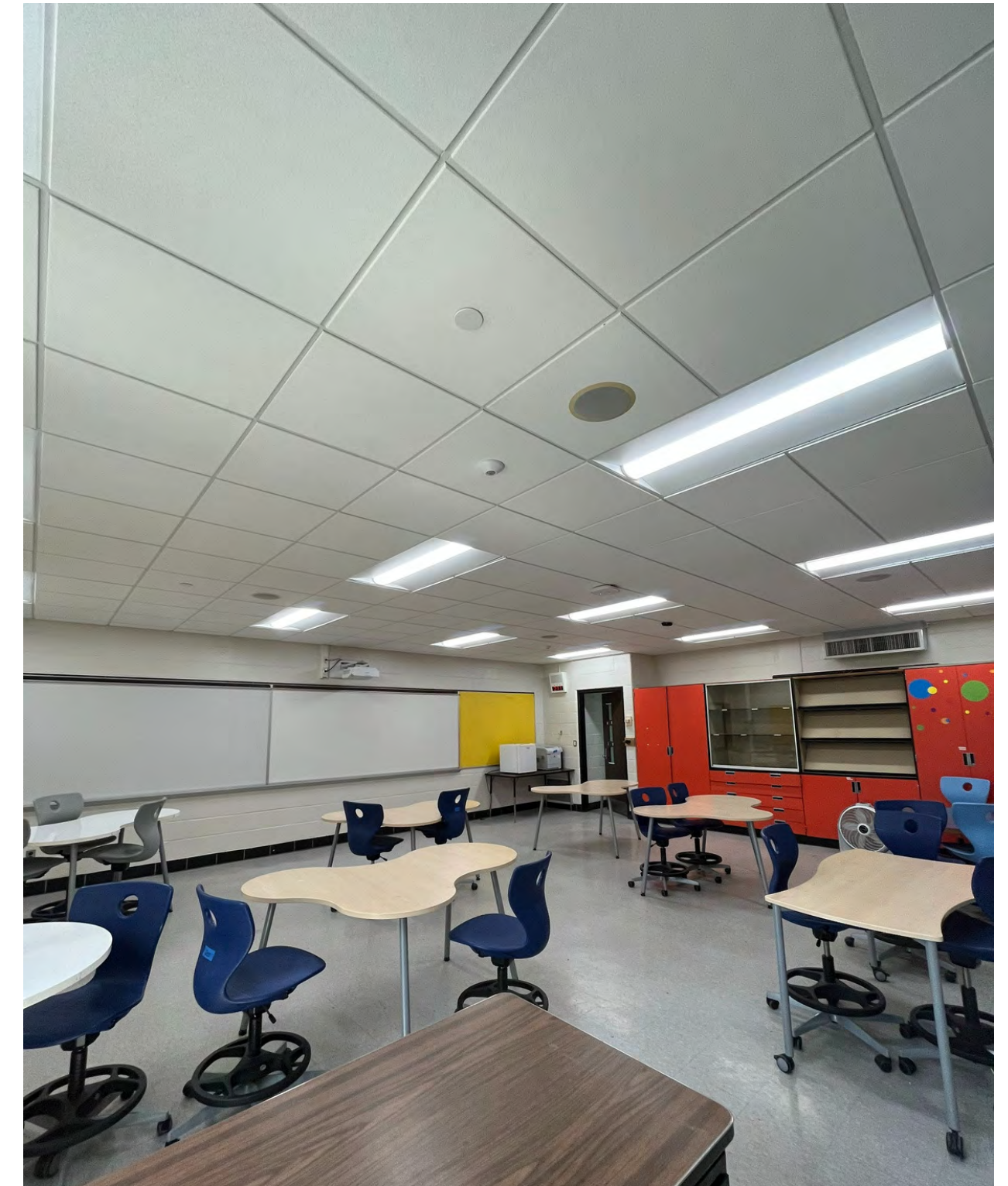


ANN ARBOR PUBLIC SCHOOLS
LEAD. CARE. INSPIRE.



Ceiling Tile Replacements

CLAGUE - CEILING REPLACEMENT



COMMUNITY - CEILING REPLACEMENT



BEFORE



AFTER

FORSYTHE - CEILING REPLACEMENT



SCARLETT - CEILING REPLACEMENT

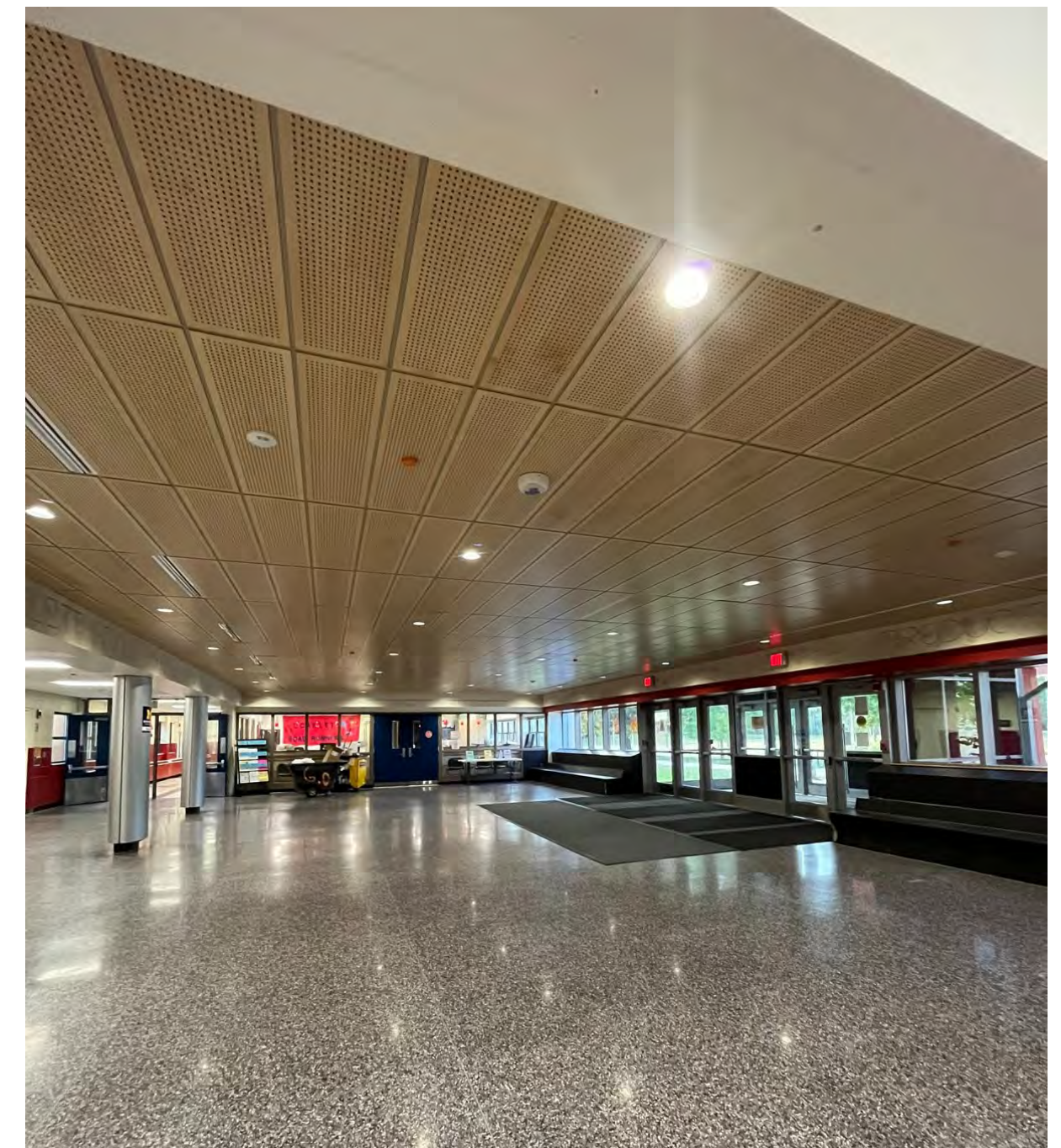


BEFORE



AFTER

SCARLETT - NEW FRONT LOBBY CEILING & LIGHTING



TAPPAN - CEILING REPLACEMENT



WINES - CEILING REPLACEMENT



BEFORE



AFTER

ANN ARBOR PUBLIC SCHOOLS
LEAD. CARE. INSPIRE.



Paving Projects

LOGAN - PAVING



PATTENGILL - PAVING

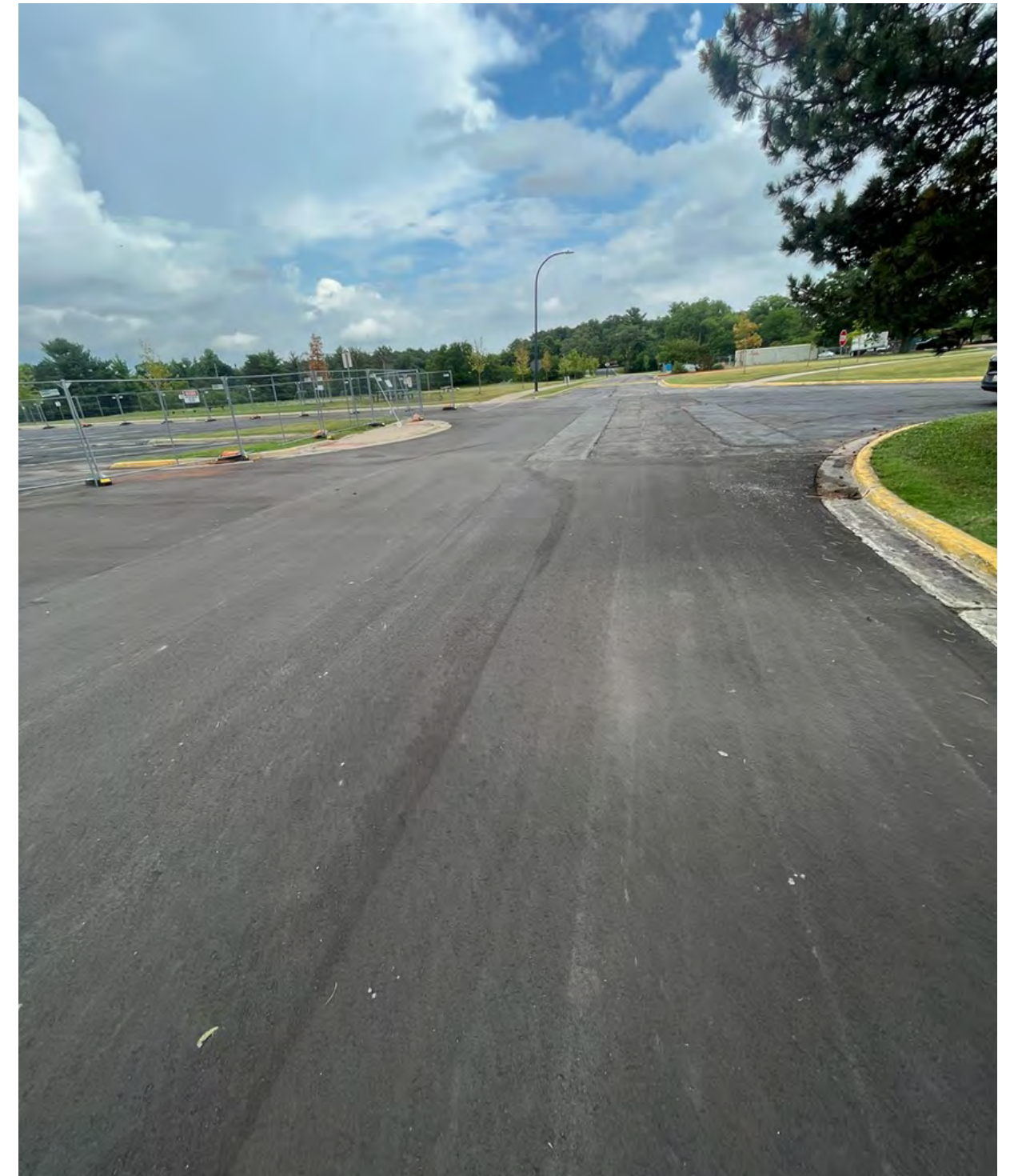


BEFORE



AFTER

WINES - PAVING

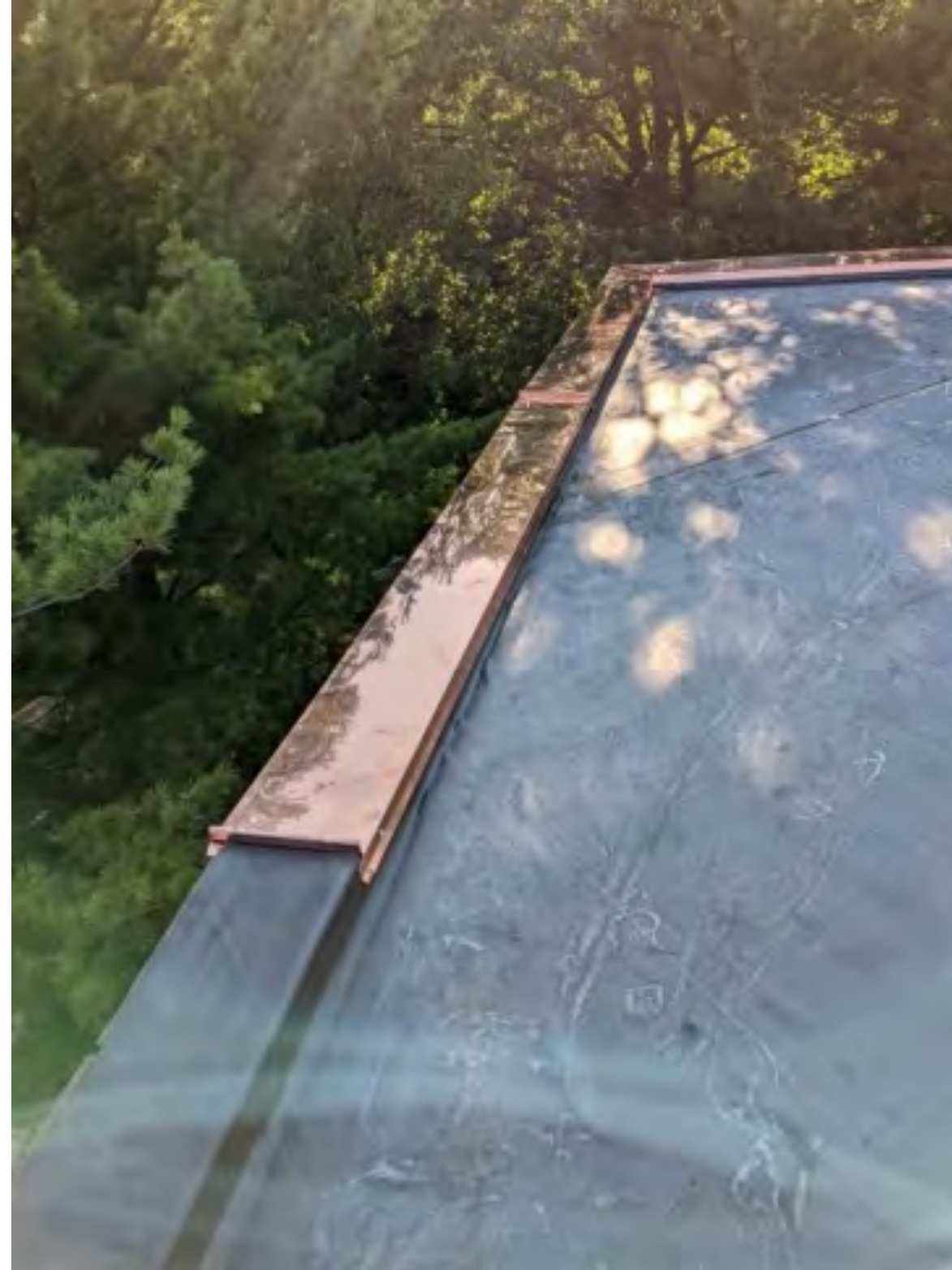


ANN ARBOR PUBLIC SCHOOLS
LEAD. CARE. INSPIRE.



Roofing Projects

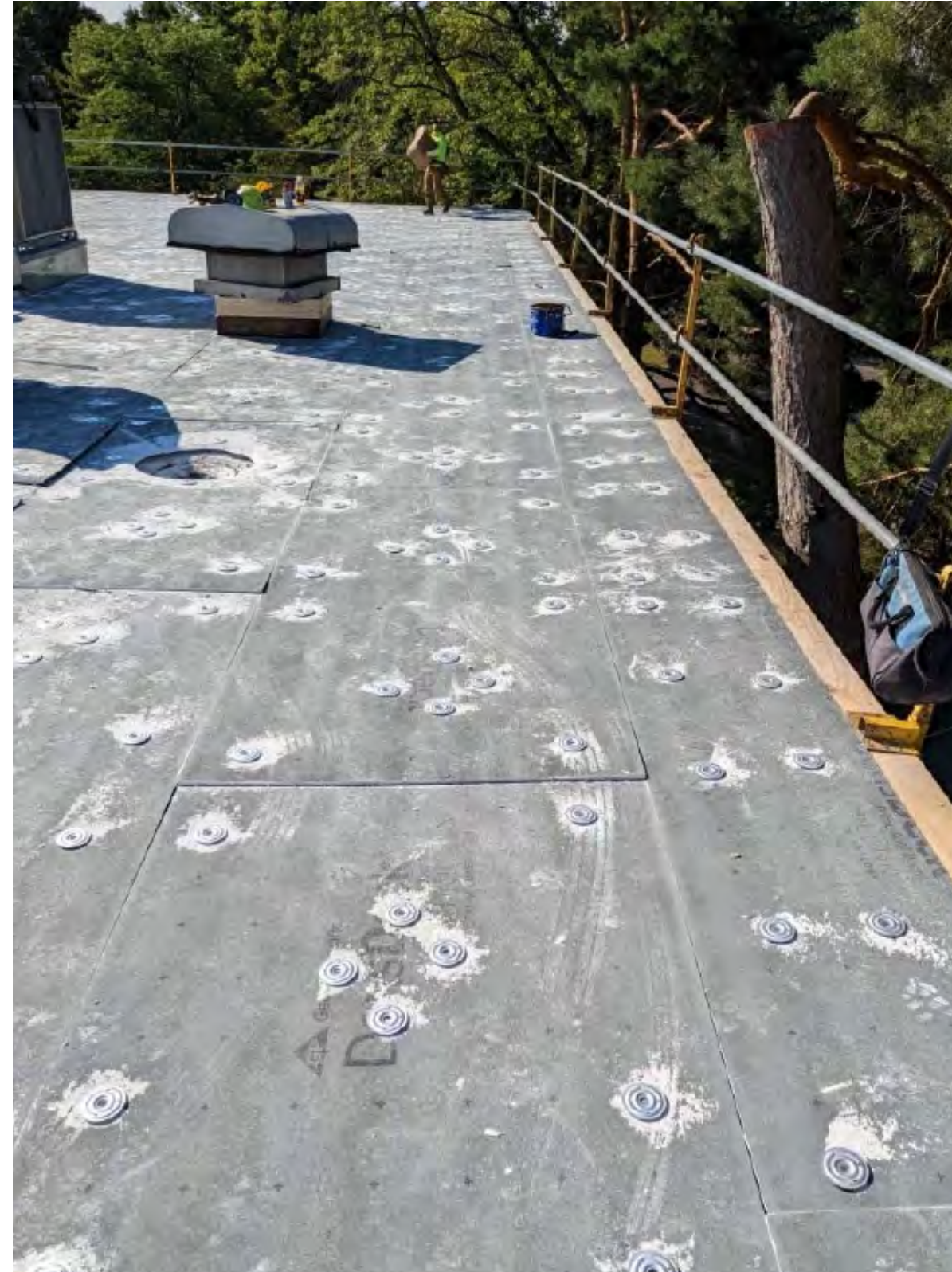
HURON - ROOFING



MITCHELL - ROOFING



PATTENGILL - ROOFING



PIONEER - ROOFING



WESTERMAN - ROOFING



ANN ARBOR PUBLIC SCHOOLS
LEAD. CARE. INSPIRE.



Solar Projects

BRYANT - SOLAR



PIONEER - SOLAR



WESTERMAN - SOLAR



ANN ARBOR PUBLIC SCHOOLS
LEAD. CARE. INSPIRE.



Geothermal Drilling

CLAGUE - GEOTHERMAL DIGGING



FORSYTHE - GEOTHERMAL DIGGING



ANN ARBOR PUBLIC SCHOOLS
LEAD. CARE. INSPIRE.



Theater Rigging Improvements

PIONEER - THEATER RIGGING & RESTORATION



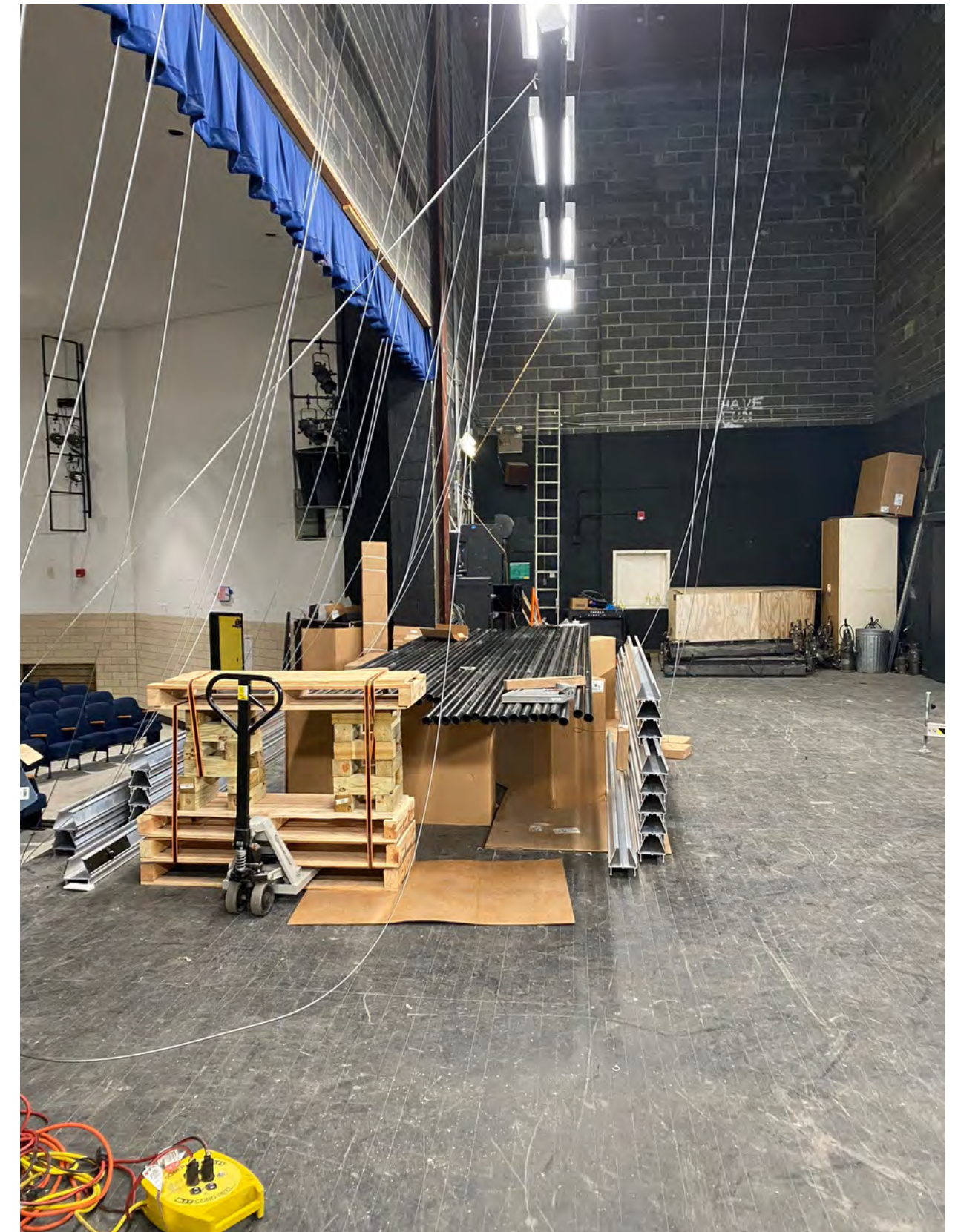
Schreiber Auditorium Construction

PIONEER - THEATER RIGGING



Little Theater Construction

TAPPAN - THEATER RIGGING



ANN ARBOR PUBLIC SCHOOLS
LEAD. CARE. INSPIRE.



Scarlett Column Stabilization

SCARLETT - COLUMN STABILIZATION



ANN ARBOR PUBLIC SCHOOLS
LEAD. CARE. INSPIRE.



Skyline Stormwater & Irrigation

SKYLINE - STORMWATER & IRRIGATION

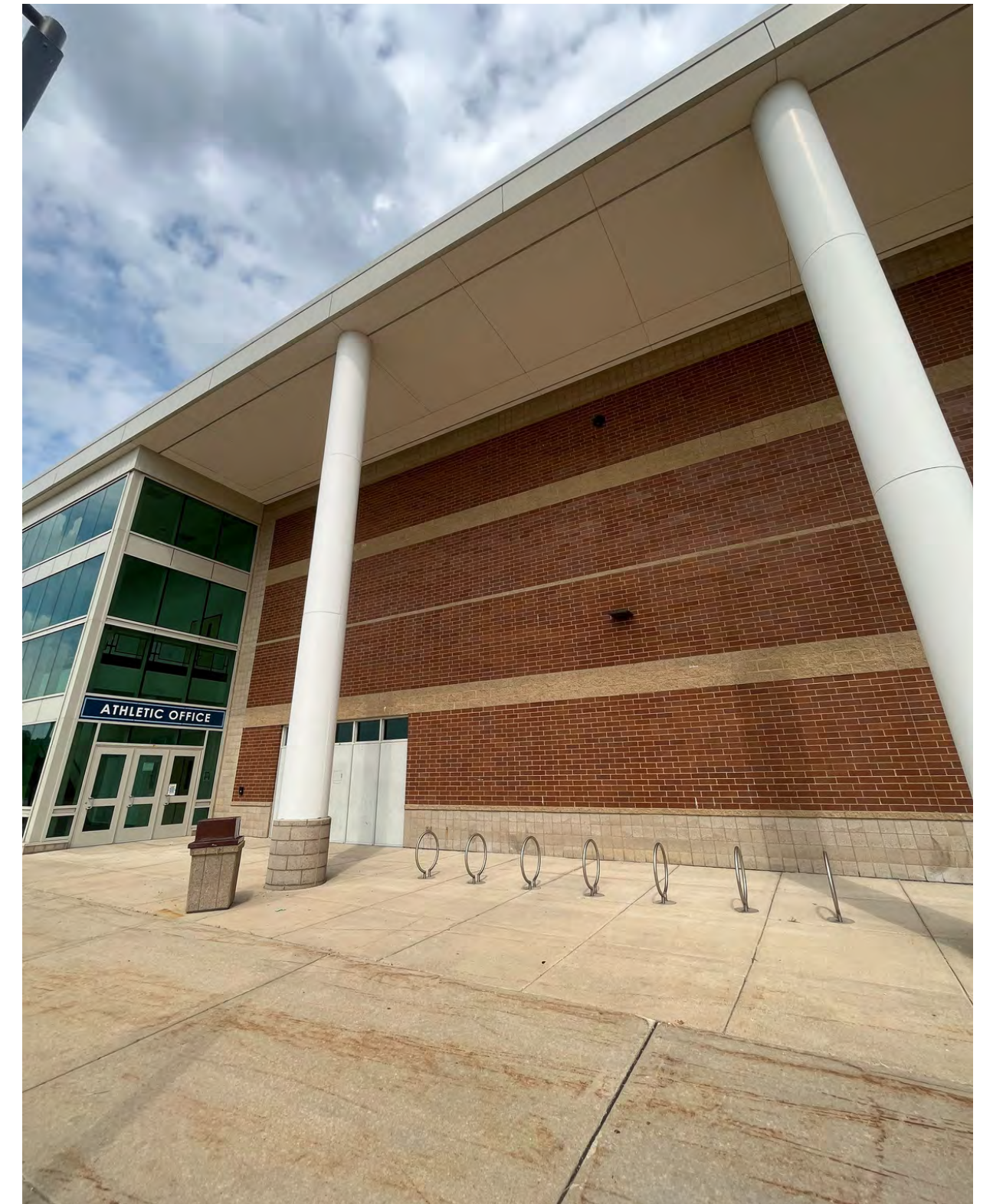


ANN ARBOR PUBLIC SCHOOLS
LEAD. CARE. INSPIRE.



Skyline Envelope Improvements

SKYLINE - ENVELOPE IMPROVEMENTS



ANN ARBOR PUBLIC SCHOOLS
LEAD. CARE. INSPIRE.



Westerman Natural Play Area

WESTERMAN - NATURAL PLAY AREA



BEFORE

WESTERMAN - NATURAL PLAY AREA



AFTER

Capital Program Update | September 28, 2022

ANN ARBOR PUBLIC SCHOOLS
LEAD. CARE. INSPIRE.



Thank You!

For more information, please visit:
A2schoolsbond.org