

2022 Capital Projects Update

15 June 2023

KG+D Architects

- **Walter Hauser**, AIA, Principal
- **Susan Davidson**, Assoc Principal
- **Sarah Davis**, AIA, Project Architect
- **Bella Chen**, Project Designer
- **Wendy Yu**, Project Designer

Triton Construction

- **Kevin Sawyer**, Vice President

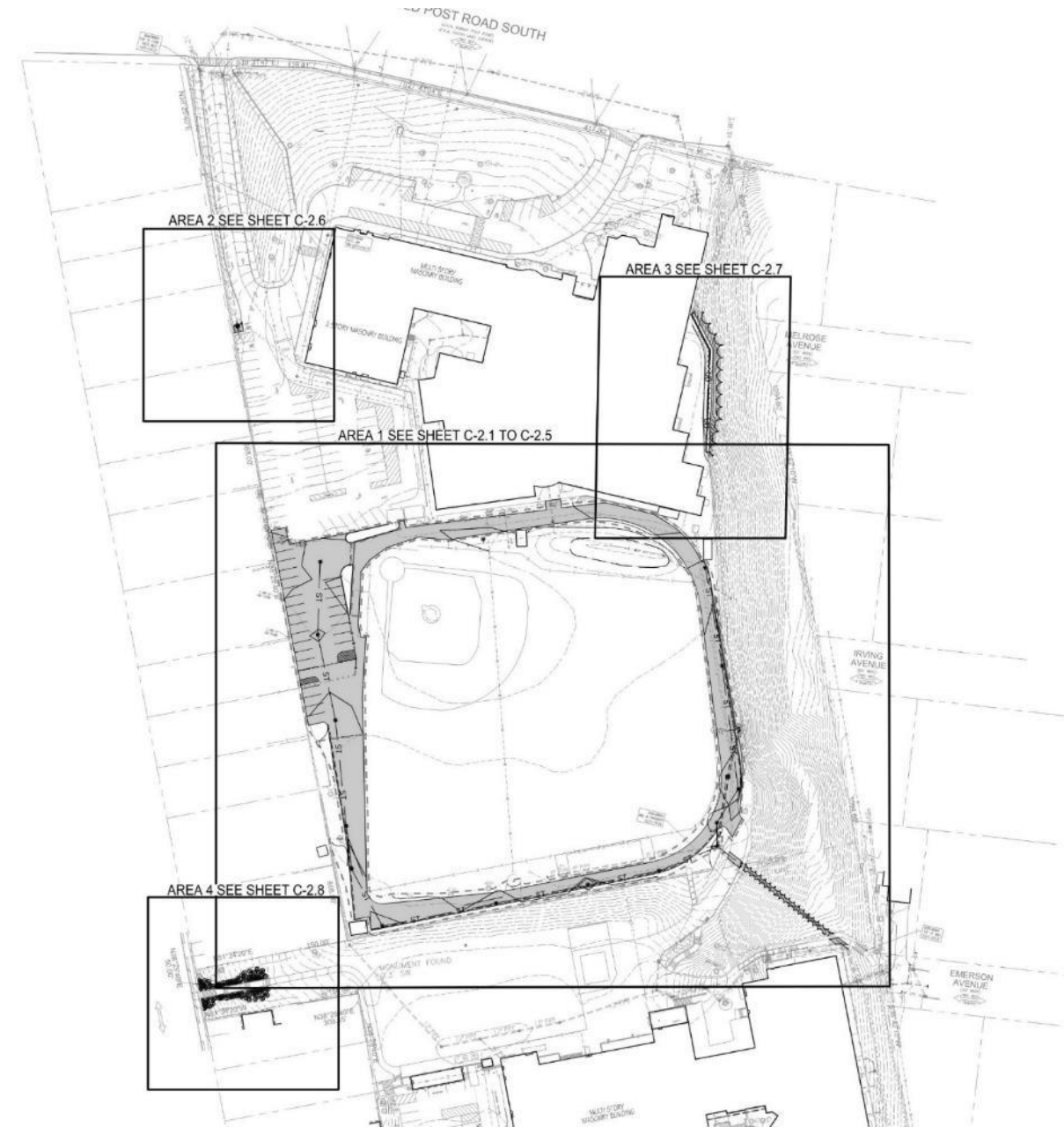
Agenda

- Stormwater Improvements
- 2022 Capital Projects
 - DW Roofing
 - Athletics, Safety & Security
 - DW Capital Improvements
- Health, Wellness & Sustainability
- Budget & Cost Control
- Project Schedule
- Next Steps



Stormwater Improvements

- ❖ Stormwater Upgrades at CET, PVC, and CHHS
- ❖ Blue light system upgrades at CET, PVC, and CHHS
- ❖ **Construction: Summer 2023**



Stormwater Improvements

Carrie E. Tompkins Elementary School



2022 Capital Projects

December 13, 2022, Referendum



- ❖ **Roofing Replacements**
- ❖ **Athletic, Safety + Security**
- ❖ **District-Wide Capital Improvements**

Athletics, Safety & Security

- ❖ Spencer Field, CET & PVC upper fields
- ❖ Safety + security upgrades at CET, PVC, CHHS & DO
 - ❖ Enhancements to site lighting, communications, Wi-Fi and security cameras
- ❖ Schematic Design complete
 - ❖ Negotiating site grading and pedestrian access
 - ❖ Working with stakeholders to optimize field size and incorporate throwing events
 - ❖ Concession stand program development





SYNTHETIC TURF TRACK EXAMPLE



CANOPY EXAMPLE (COLORS TBD)



SEAT WALL EXAMPLE



PIP SURFACING EXAMPLE



BALLSTOPPER SPORTS NETTING IN GROUND SLEEVES



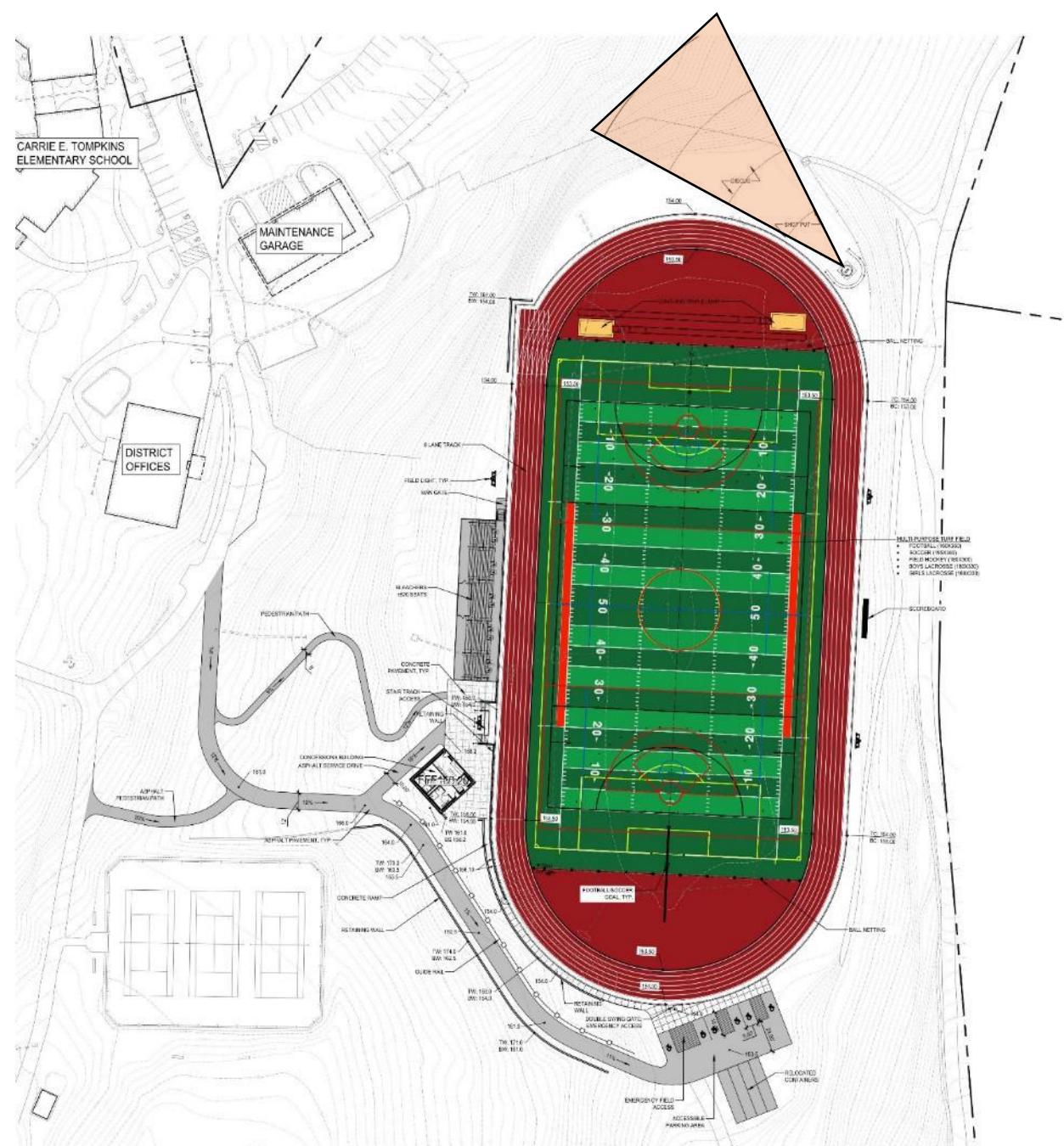
BENCH EXAMPLE #1 (COLORS TBD)



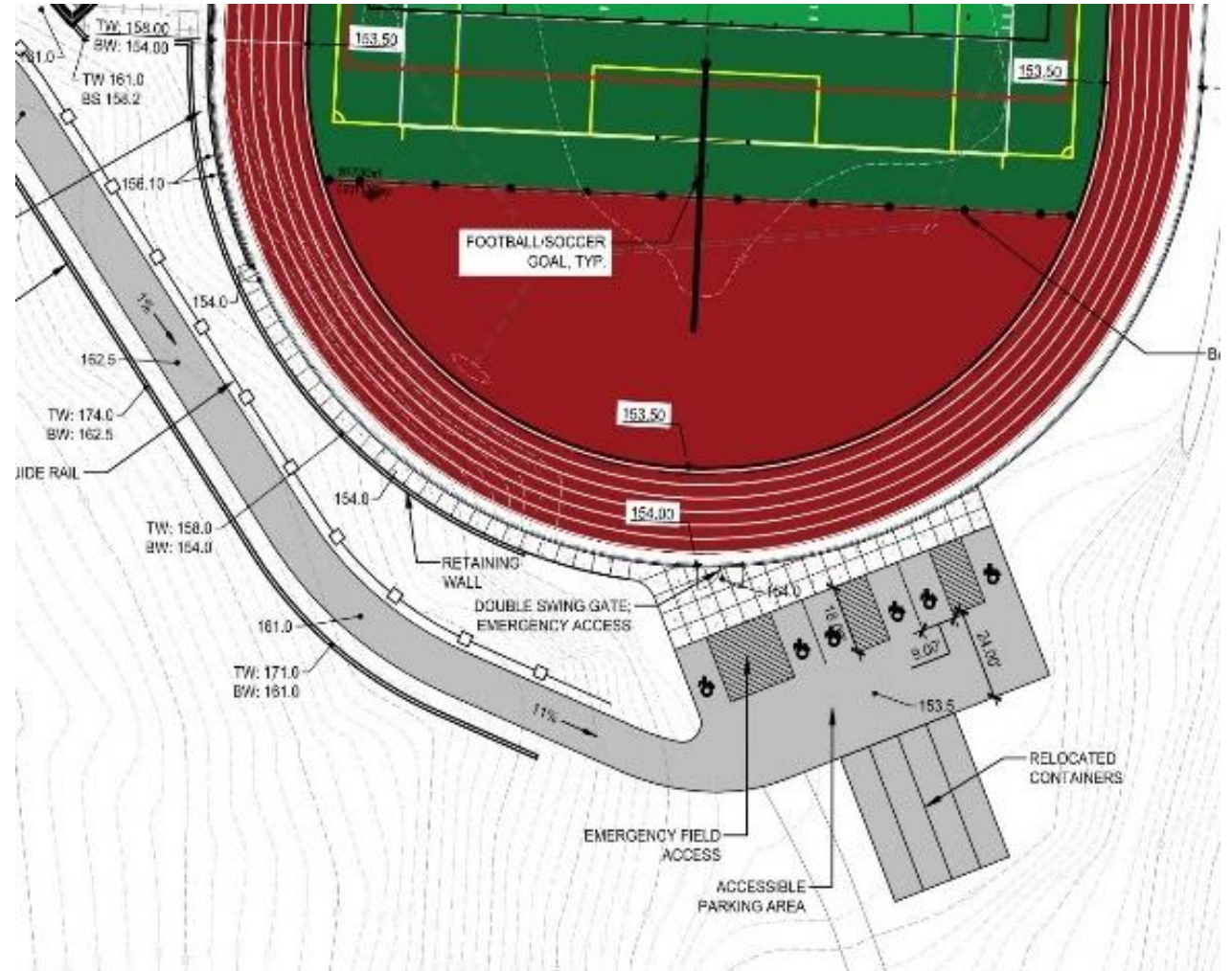
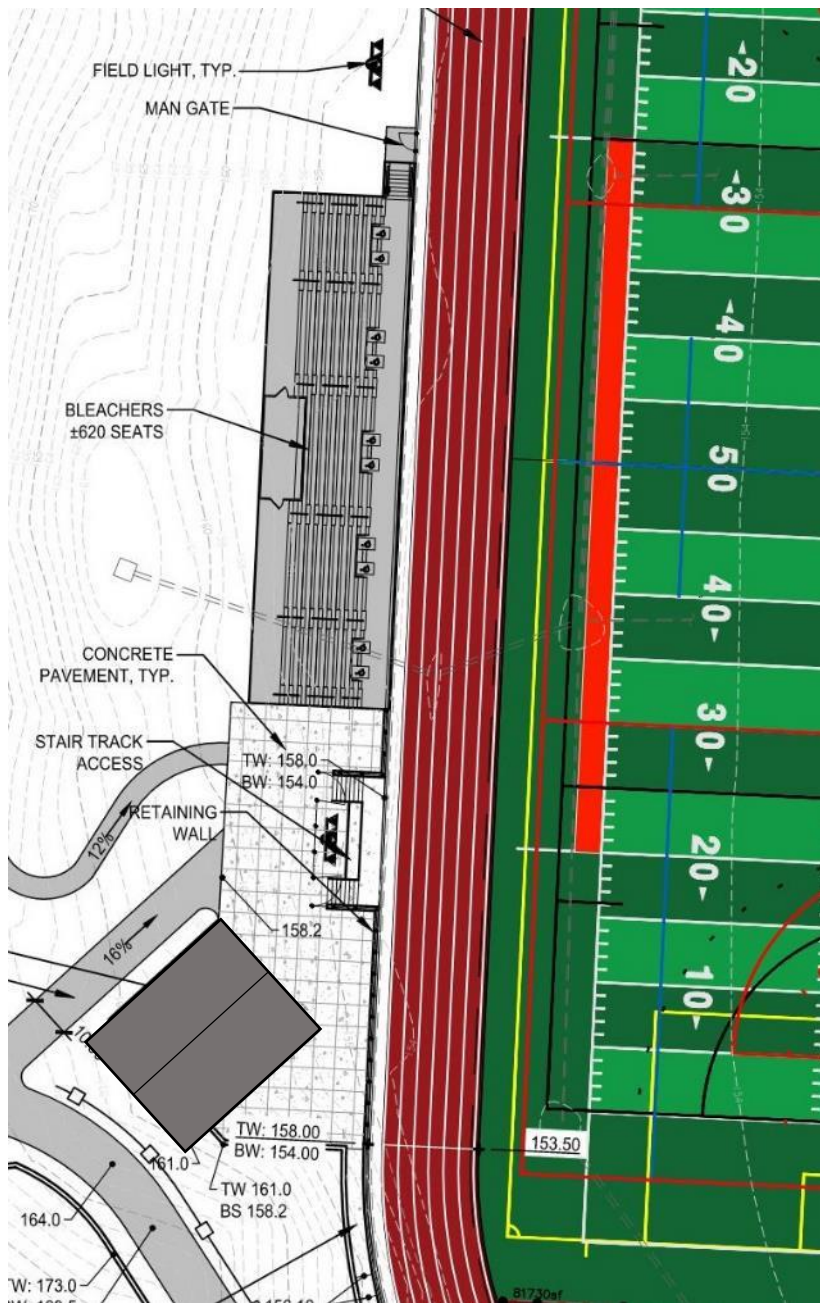
BENCH EXAMPLE #2 (RECYCLED PLASTIC)

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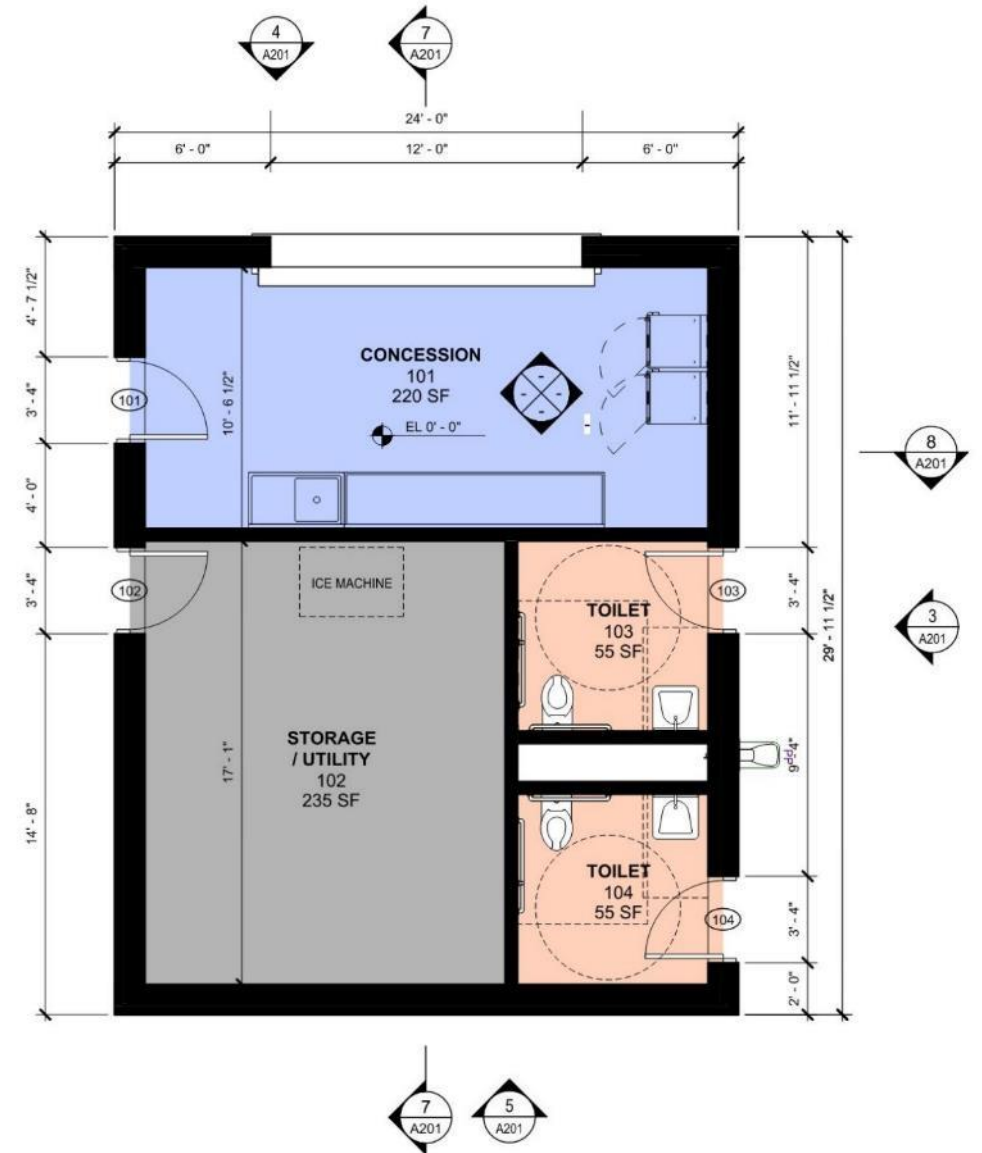
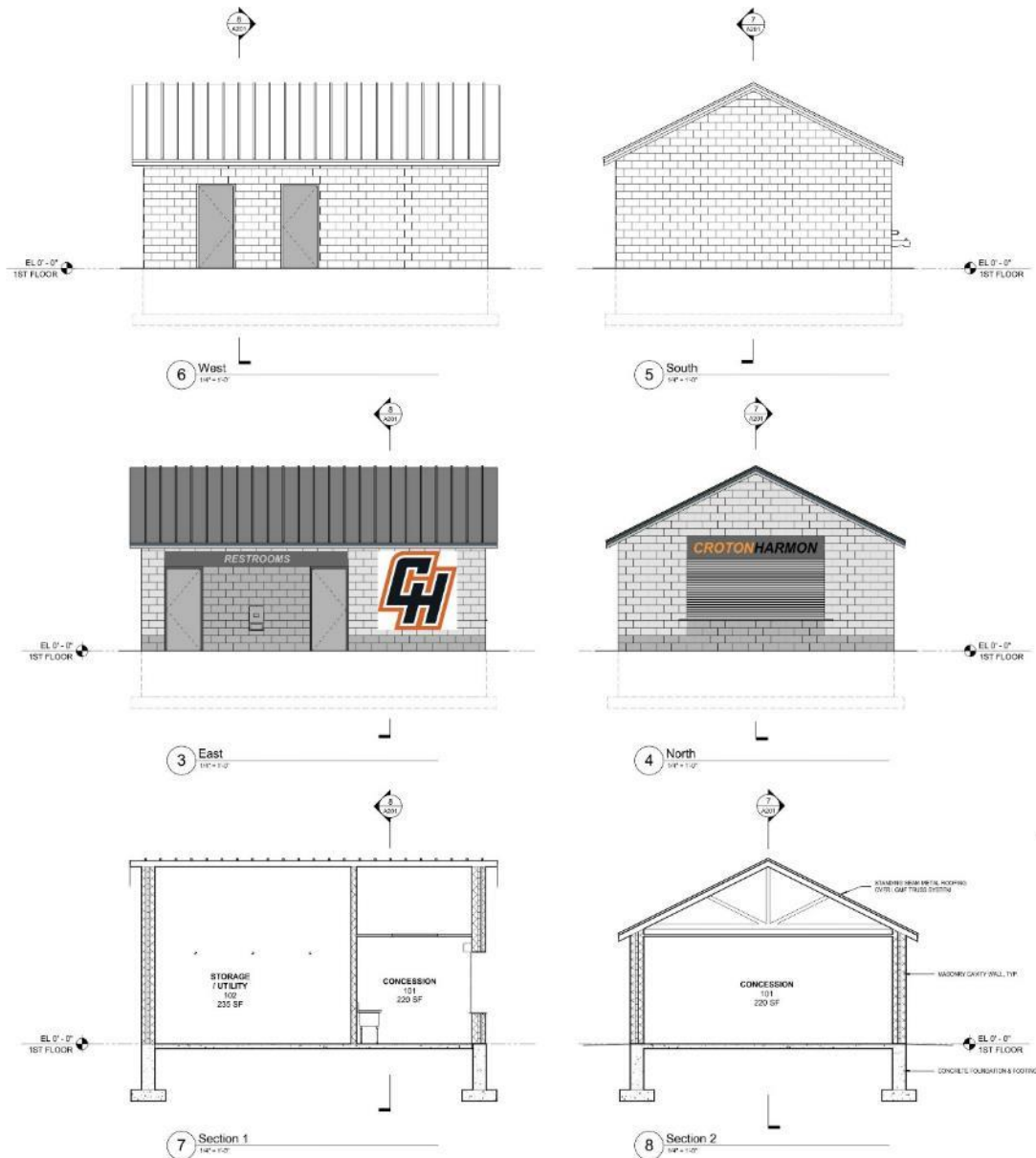
PVC Middle School Upper Field



Spencer Field



Spencer Field – Tiger Plaza and Field Access



Spencer Field – Concession Stand



Spencer Field – Aerial View



Spencer Field – Tiger Plaza



Spencer Field – Tiger Plaza & Bleachers

Athletics, Safety & Security

Next Steps

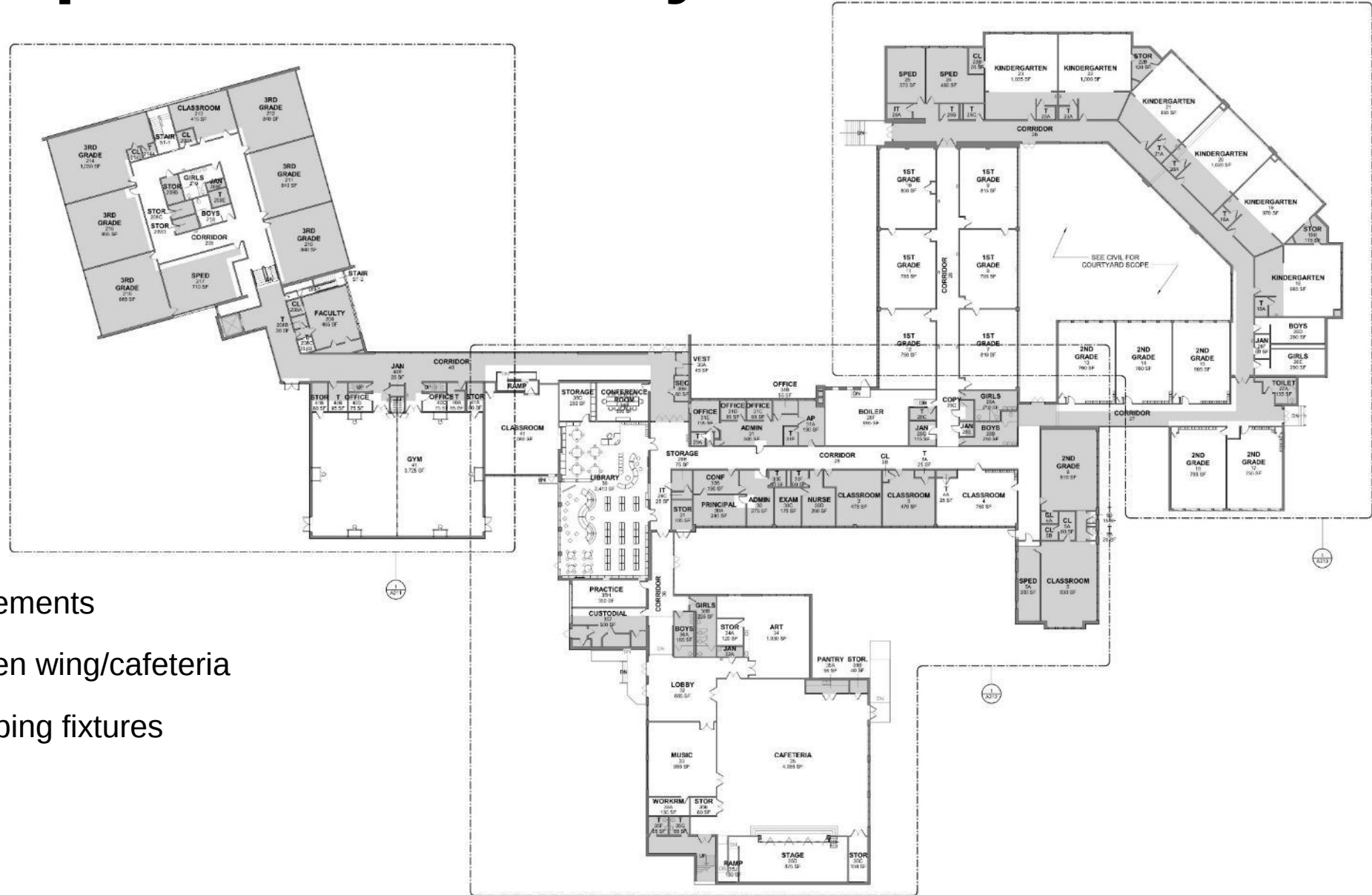
- ❖ Complete Design & Construction Documents
 - ❖ Construction details
 - ❖ Concession stand development
 - ❖ Product selection, to include synthetic turf
- ❖ NYSED Submission: Summer 2023
- ❖ Cost Estimating
- ❖ **Construction: Spring – Fall 2024**

DW Capital Improvements

- ❖ Program improvements and infrastructure work at CET, PVC, CHHS, DO, and transportation
- ❖ Schematic Design complete, next steps include:
 - ❖ Detailed design of program features with stakeholders
 - ❖ Development of plans, interior finishes and refining the design of each space

Carrie E. Tompkins Elementary School

- ❖ Gymnasium & Cafeteria
 - Interior Upgrades
 - ❖ Kindergarten Courtyard
 - ❖ Library Renovation
 - ❖ Infrastructure Upgrades
 - Bottle-filling stations
 - Ceiling and floor replacements
 - Air condition kindergarten wing/cafeteria
 - Replace outdated plumbing fixtures
- 



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Carrie E. Tompkins Elementary School – Courtyard



Carrie E. Tompkins Elementary School – Courtyard



5 NOOK



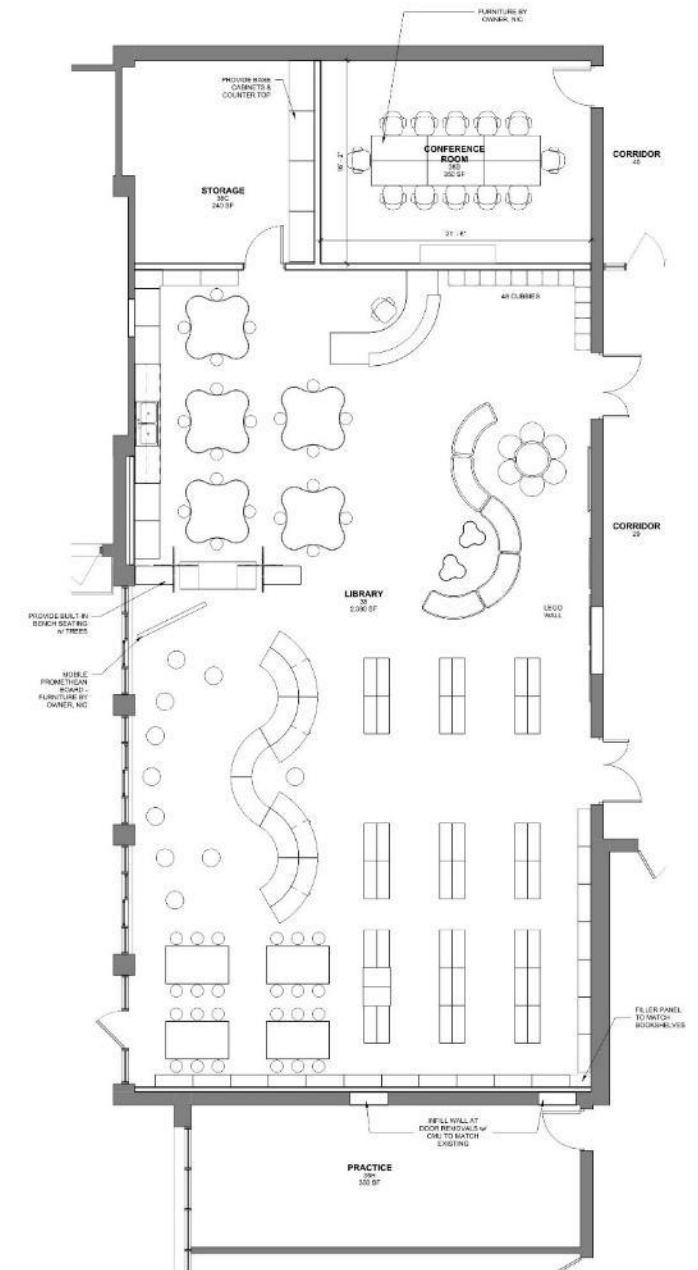
6 OTTOMAN



7 MOVABLE BROWSING BIN



8 BOOKCASE



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Carrie E. Tompkins Elementary School – Library



Carrie E. Tompkins Elementary School – Library



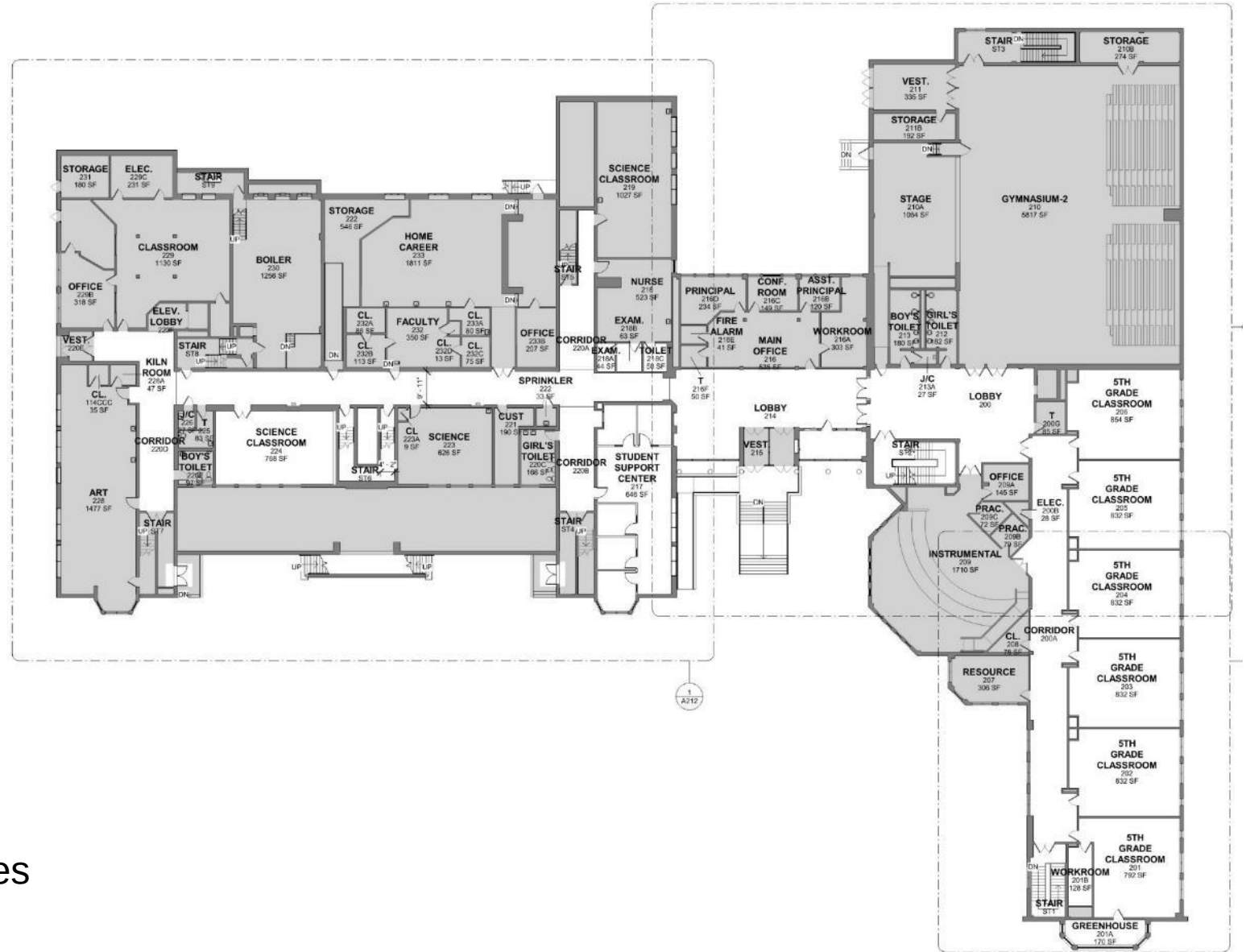
Carrie E. Tompkins Elementary School – Library



Carrie E. Tompkins Elementary School – Library

Pierre Van Cortlandt Middle School

- ❖ New Flex/PPS Space
- ❖ Science Classroom Renovation
- ❖ Courtyard
- ❖ Teacher Hub & Conference Space
- ❖ New Student Support Center
- ❖ Infrastructure Upgrades
 - ❖ Additional kitchen refrigeration
 - ❖ Locker repair
 - ❖ Bottle-filling stations
 - ❖ Ceiling and floor replacements
 - ❖ Replace outdated plumbing fixtures





6 KI PIROUETTE NESTING TABLES



7 KI JESSA TABLET CHAIR



1 TENT FOR FLOOR-LEVEL LEARNING



4 BEAN BAGS



2 LOUNGE SOFA



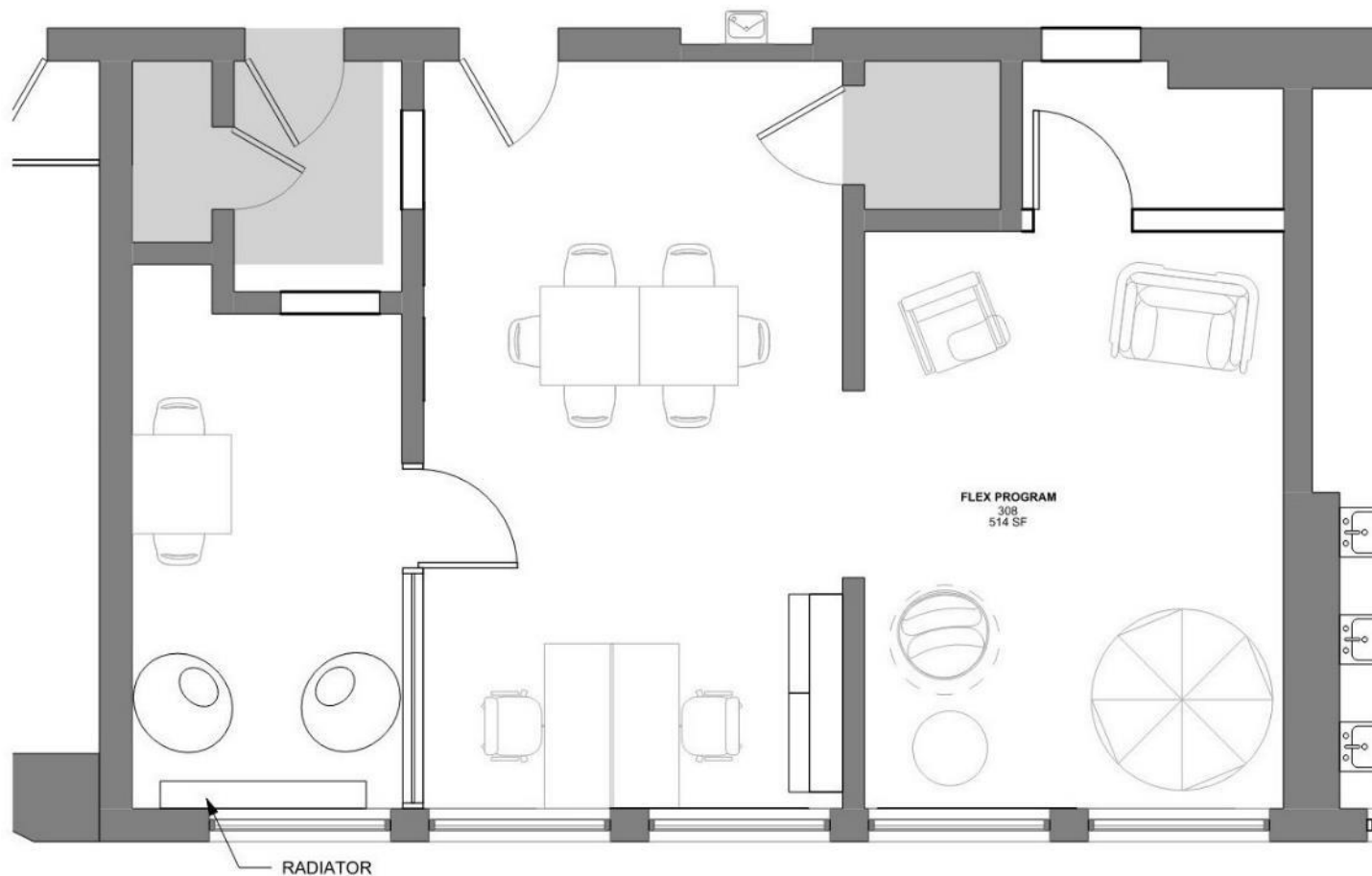
5 TABLE



3 LOUNGE SEATING

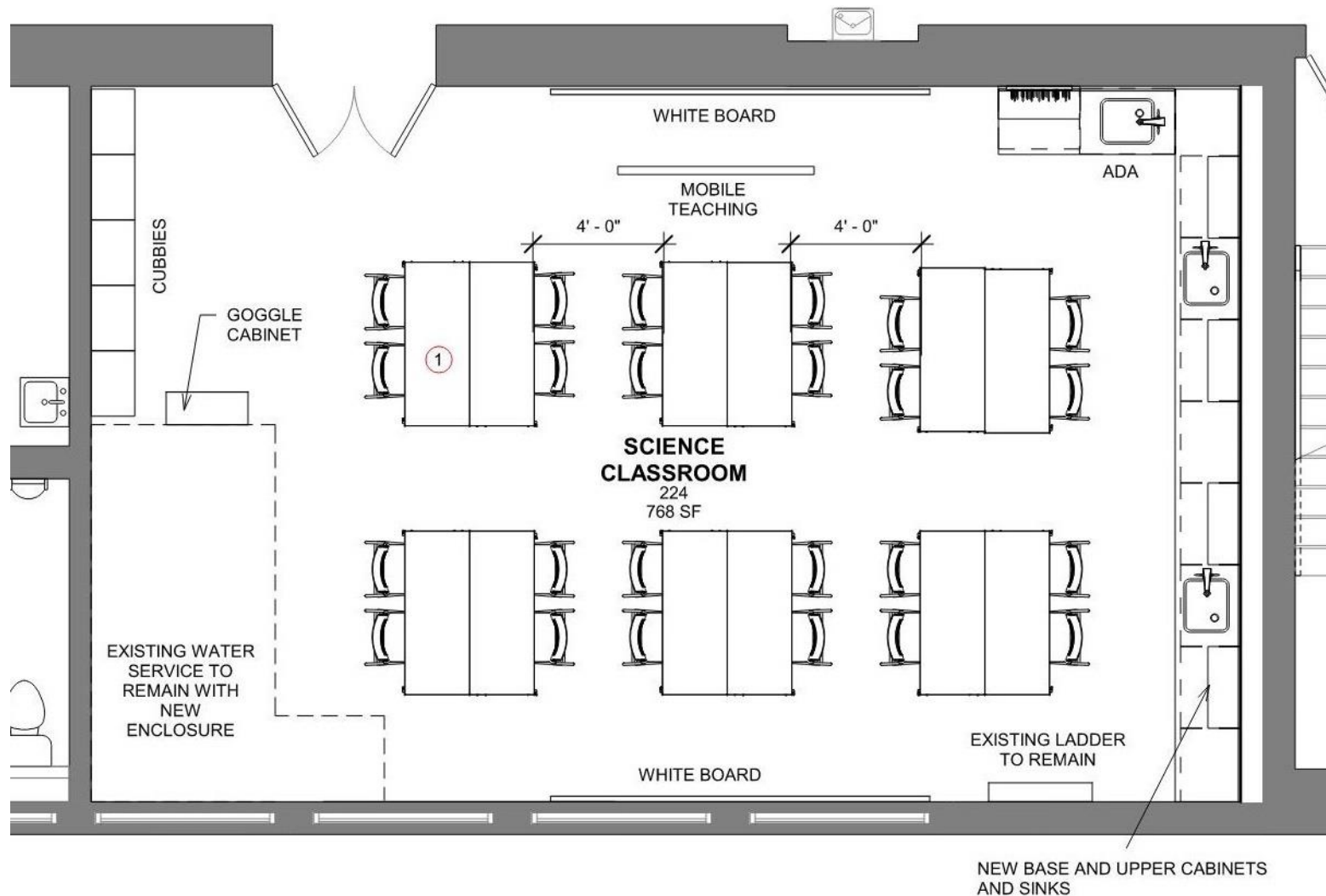


6 CLASSROOM TABLE



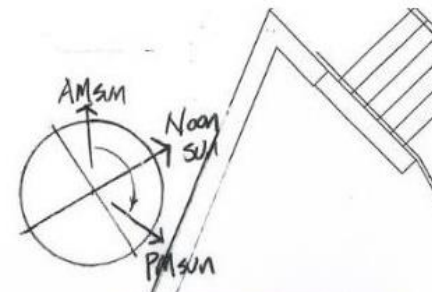
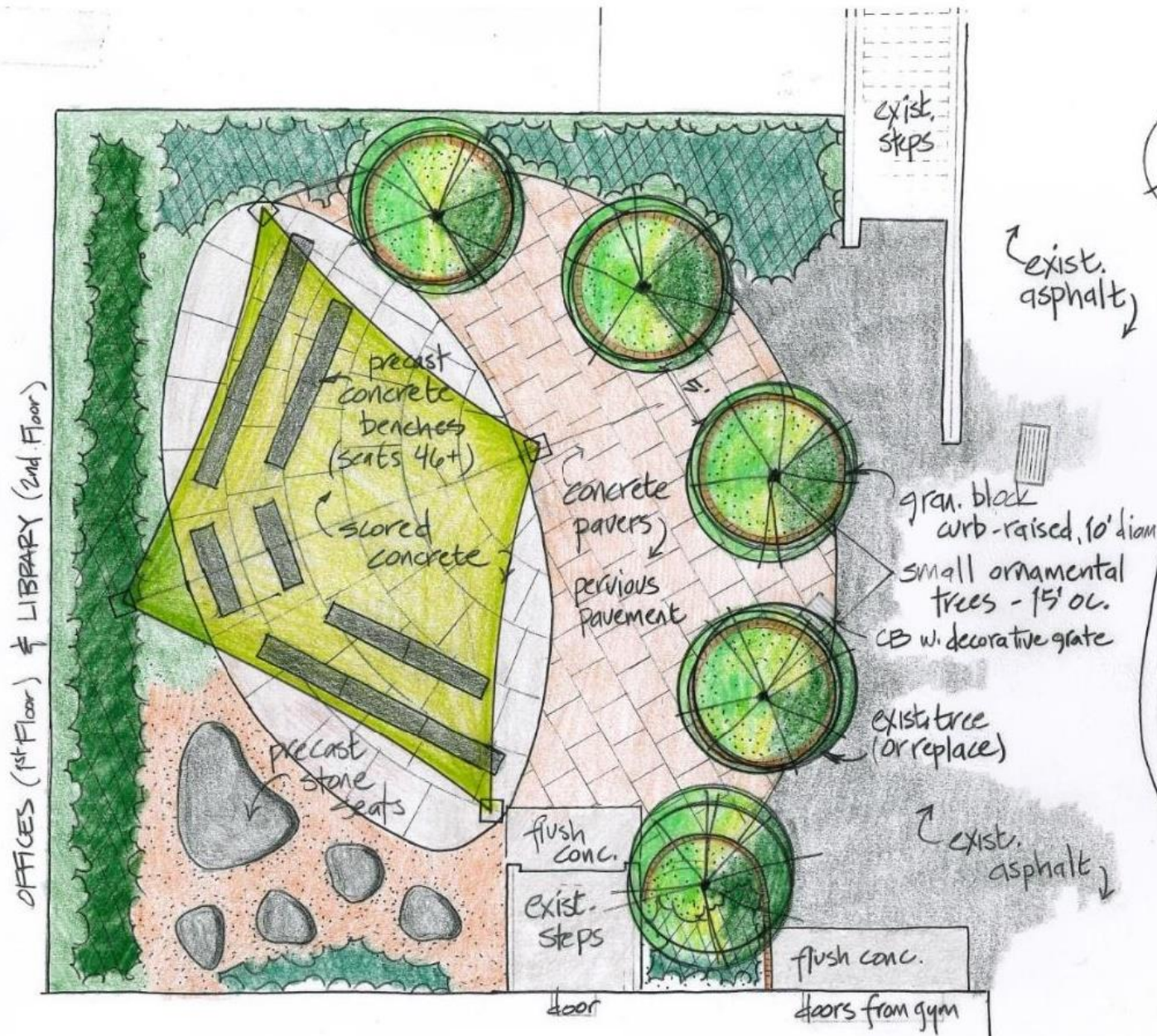
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Pierre Van Cortlandt Middle School – Flex/PPS Suite

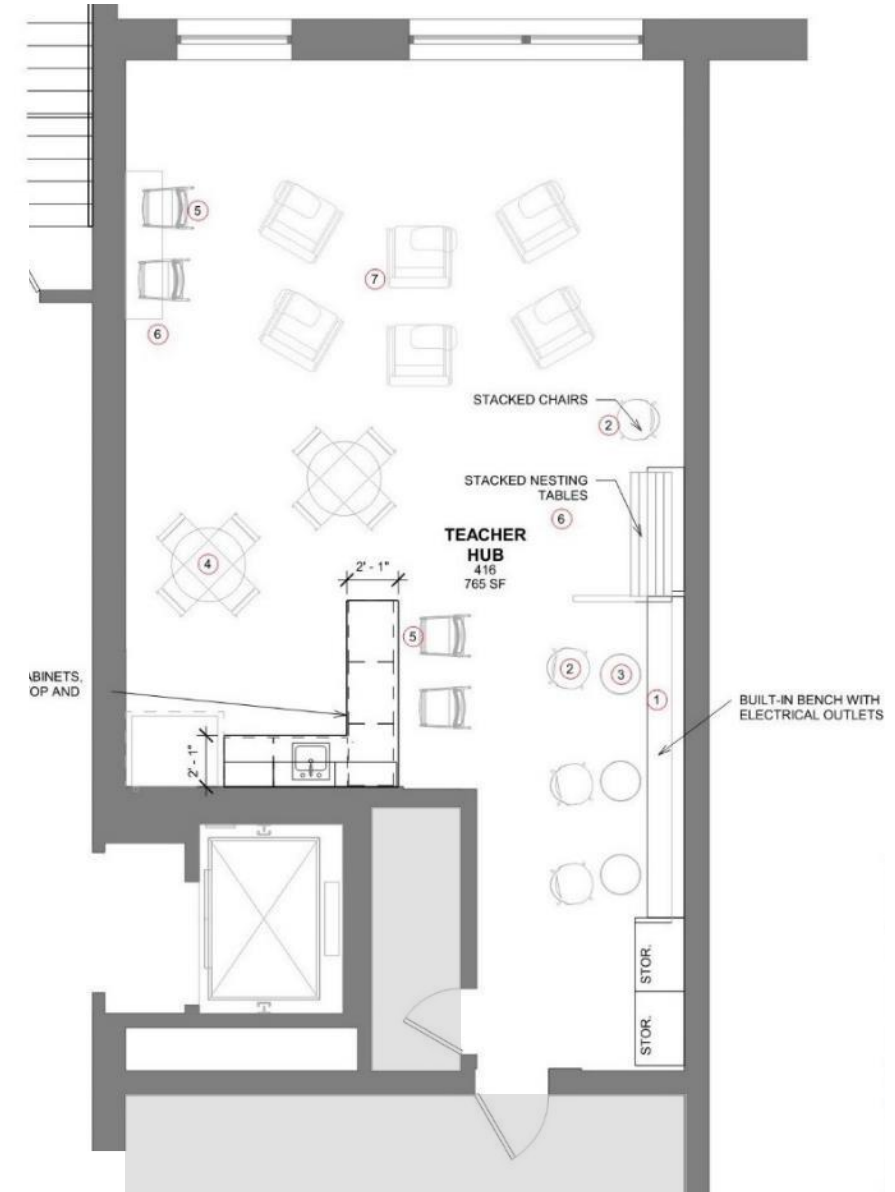


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Pierre Van Cortlandt Middle School – Science Room Renovation



Pierre Van Cortlandt Middle School – Courtyard



Pierre Van Cortlandt Middle School – Teacher Hub & Conference



① LOUNGE SOFA



② OFFICE TABLE



③ ROUND MEETING TABLE



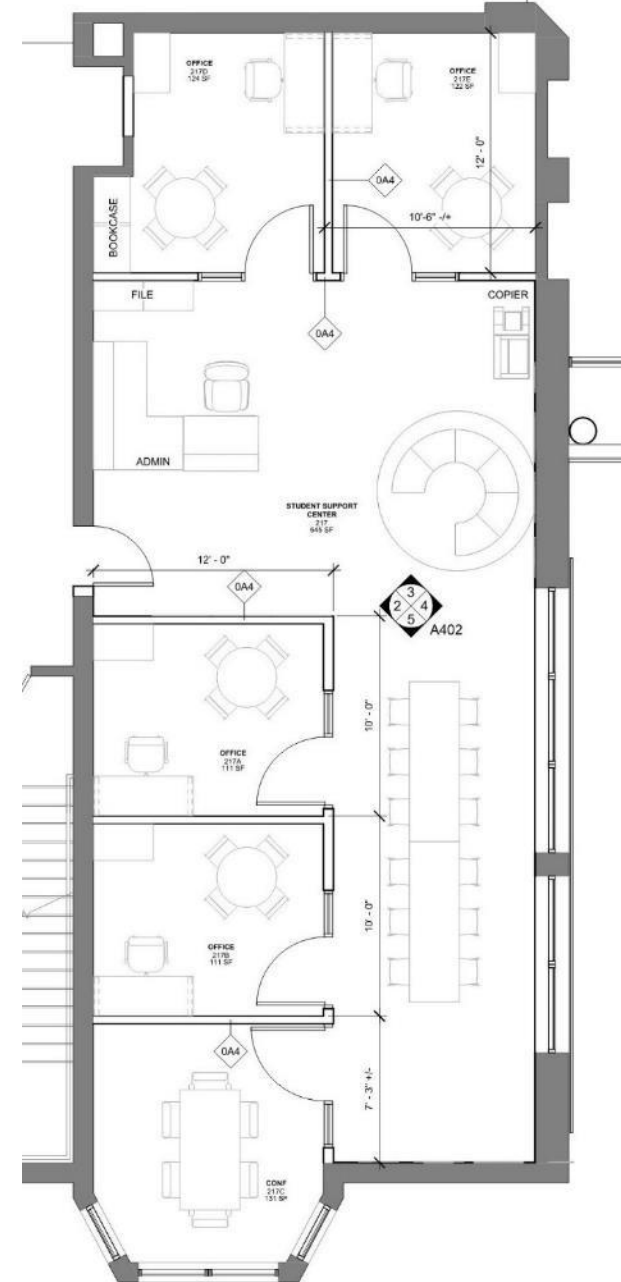
EXISTING SPACE



④ CONFERENCE TABLE



⑤ GATHERING TABLE



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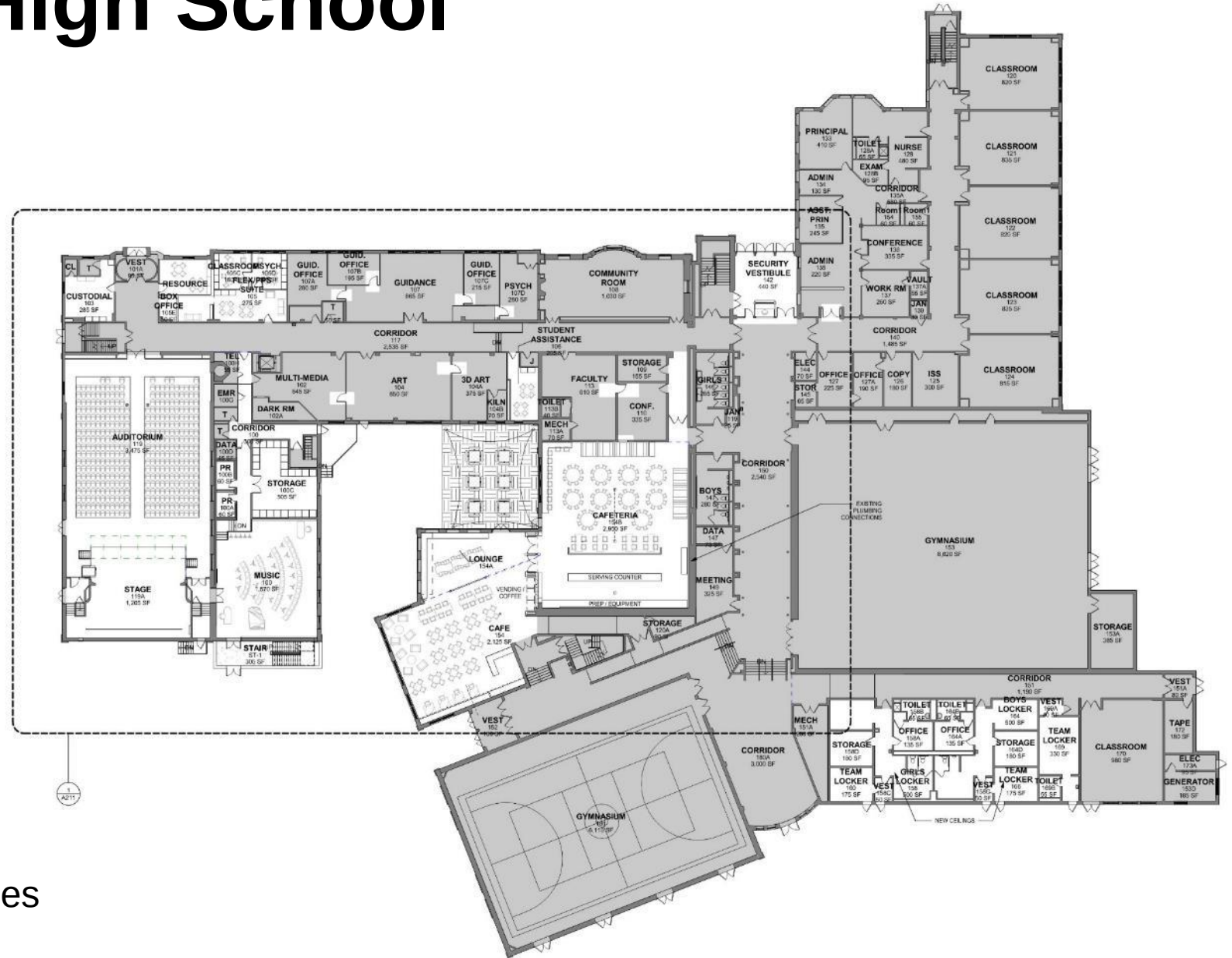
Pierre Van Cortlandt Middle School – Student Support Center

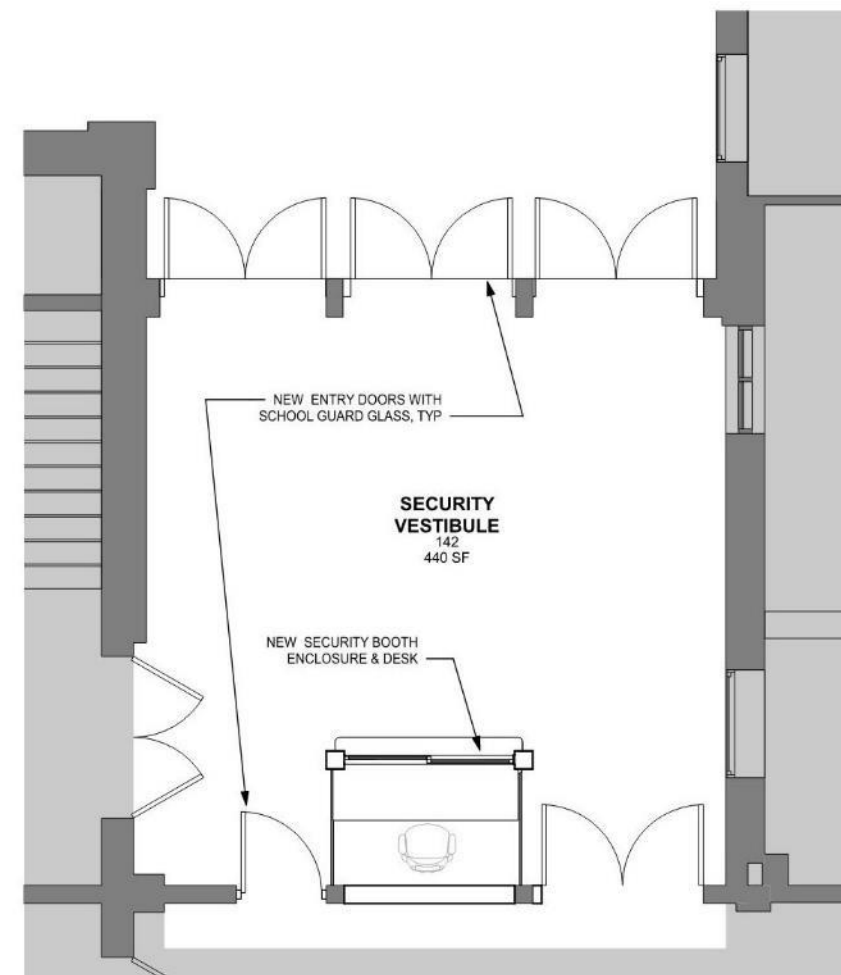


Pierre Van Cortlandt Middle School – Student Support Center

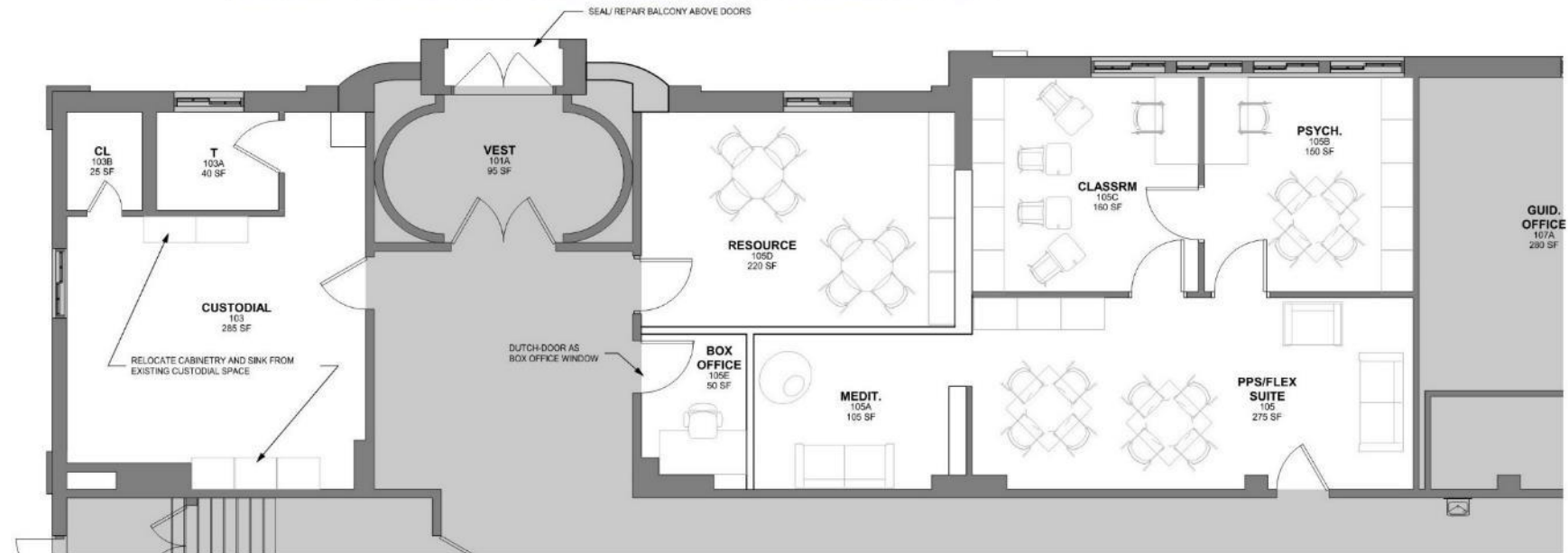
Croton-Harmon High School

- ❖ Security Vestibule Renovation
- ❖ Flex/PPS Upgrades
- ❖ Video Production Relocation
- ❖ Auditorium & Music Suite Renovation
- ❖ STEAM Renovations
- ❖ Cafeteria and Kitchen Renovations
- ❖ Innovative Learning Center
- ❖ Infrastructure Upgrades
 - ❖ Parking enhancements
 - ❖ Bottle-filling stations
 - ❖ Ceiling and floor replacements
 - ❖ Replace outdated plumbing fixtures



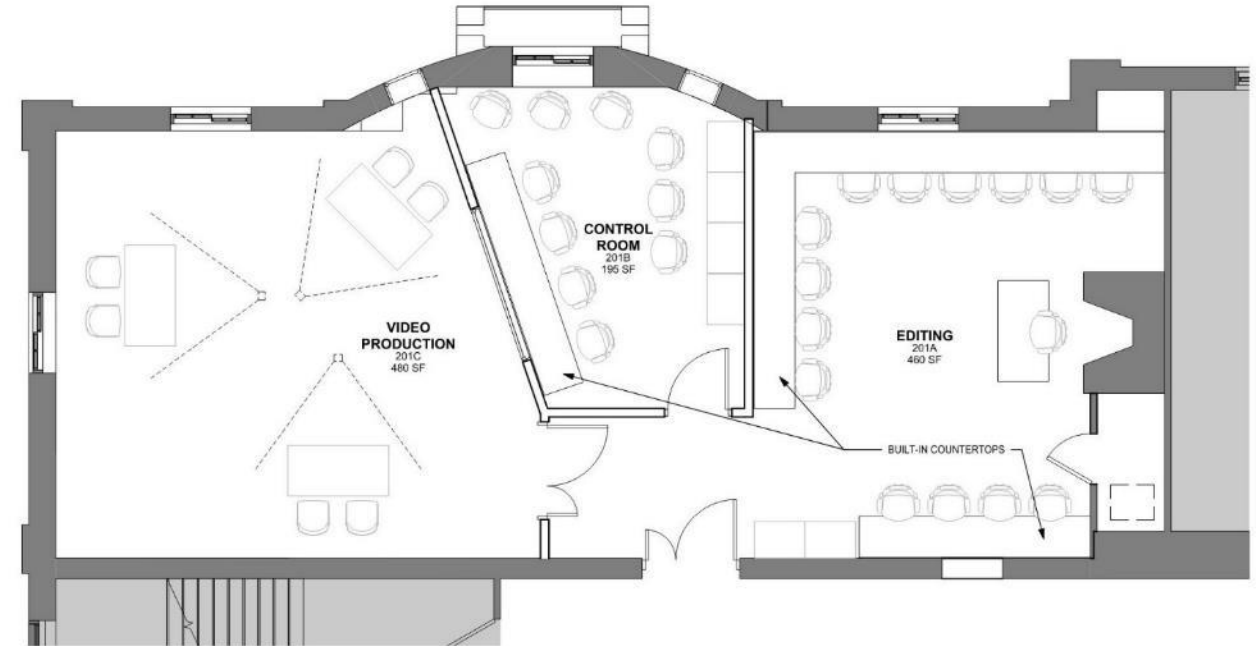


Croton-Harmon High School – Security Vestibule

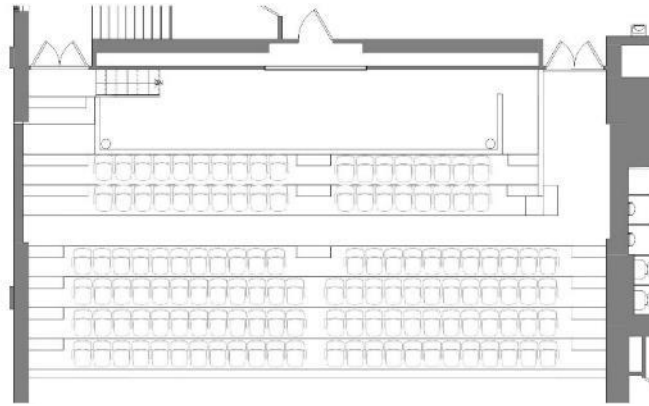


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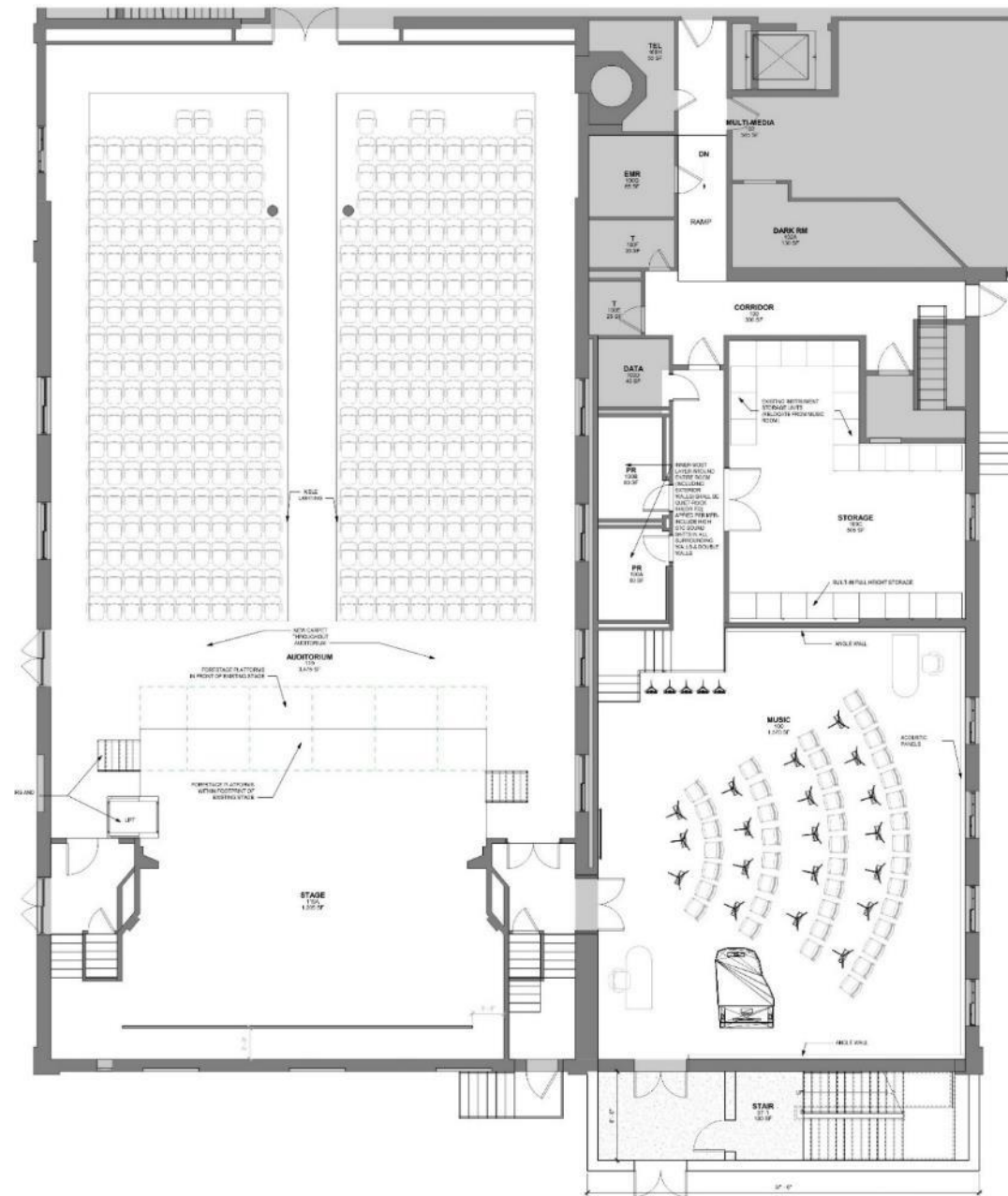
Croton-Harmon High School – Flex/PPS Suite



Croton-Harmon High School – Video Production Relocation

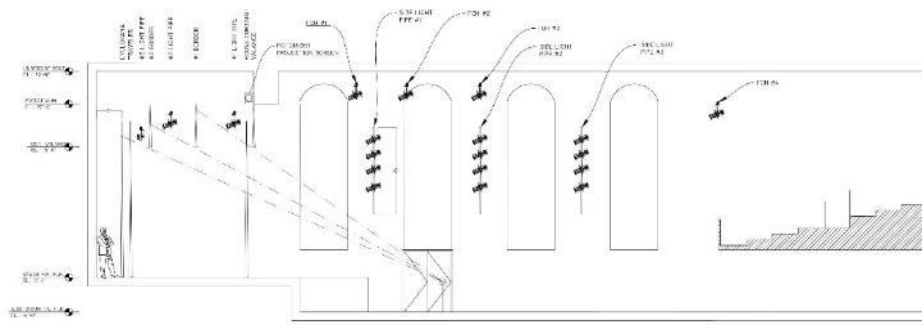


AUDITORIUM BALCONY

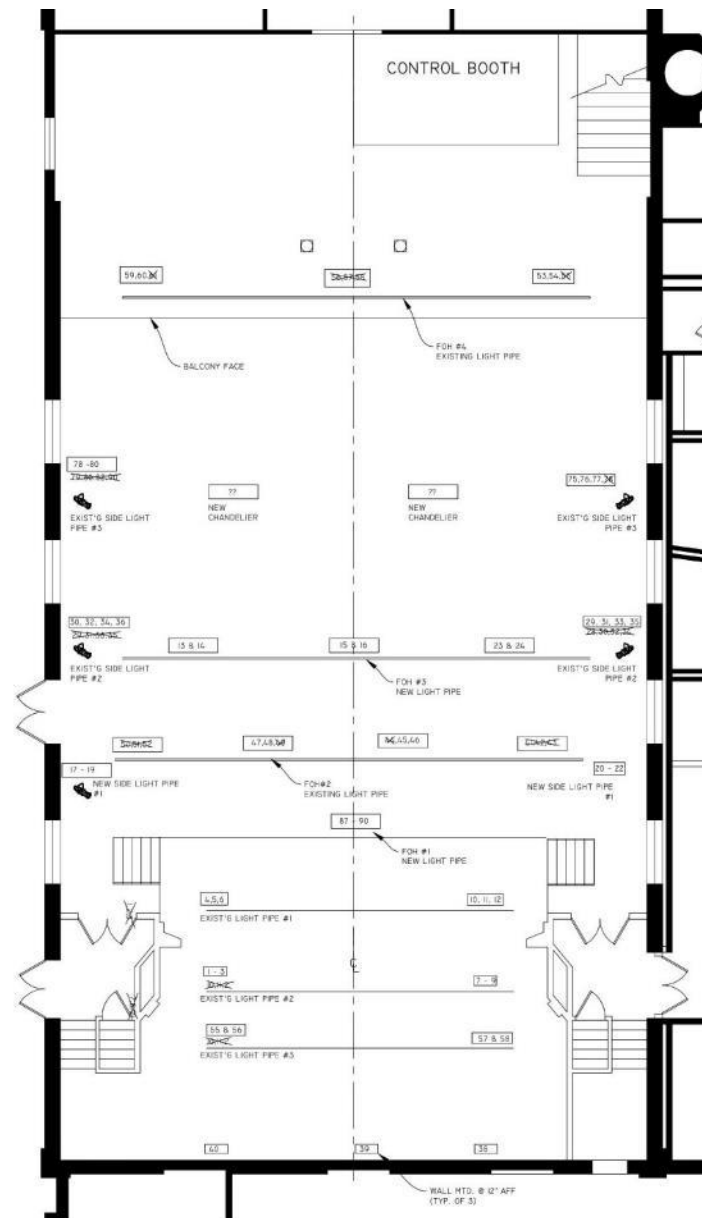


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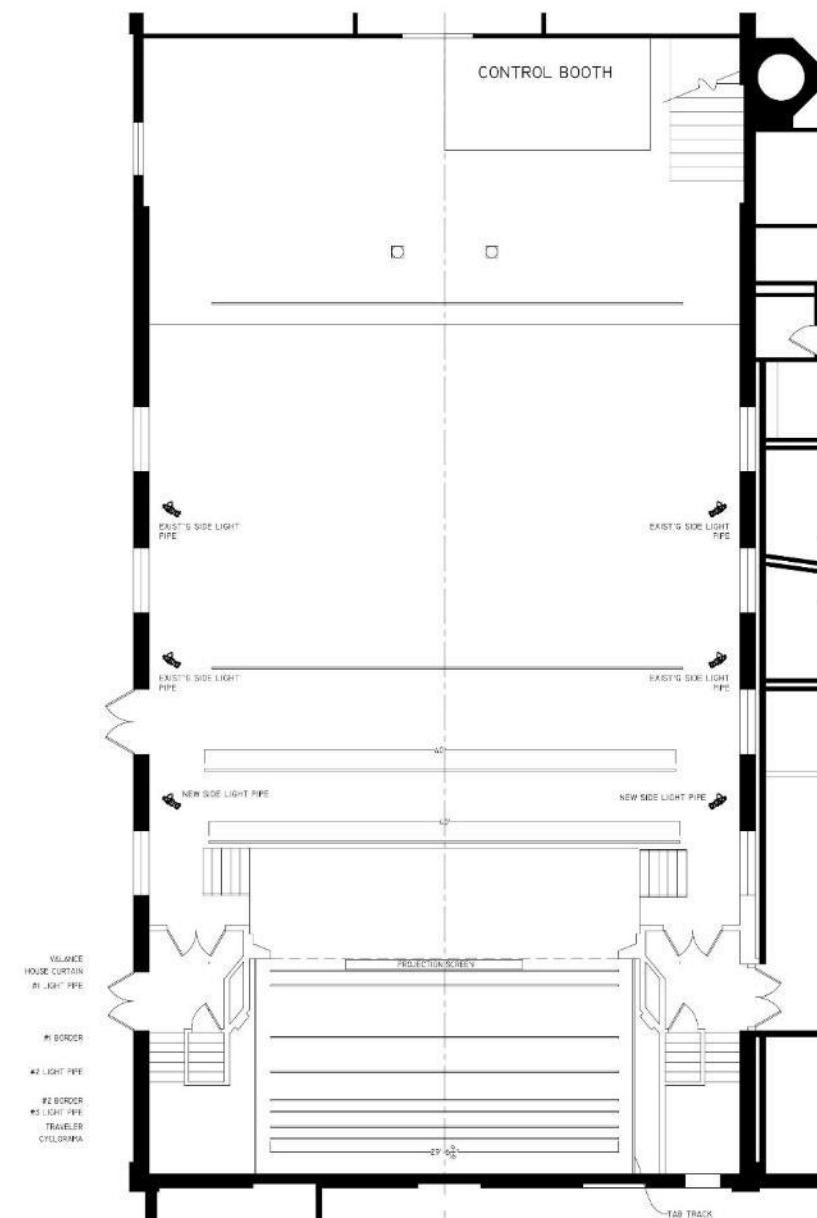
Croton-Harmon High School – Auditorium & Music Suite



AUDITORIUM SECTION



LIGHTING PLAN

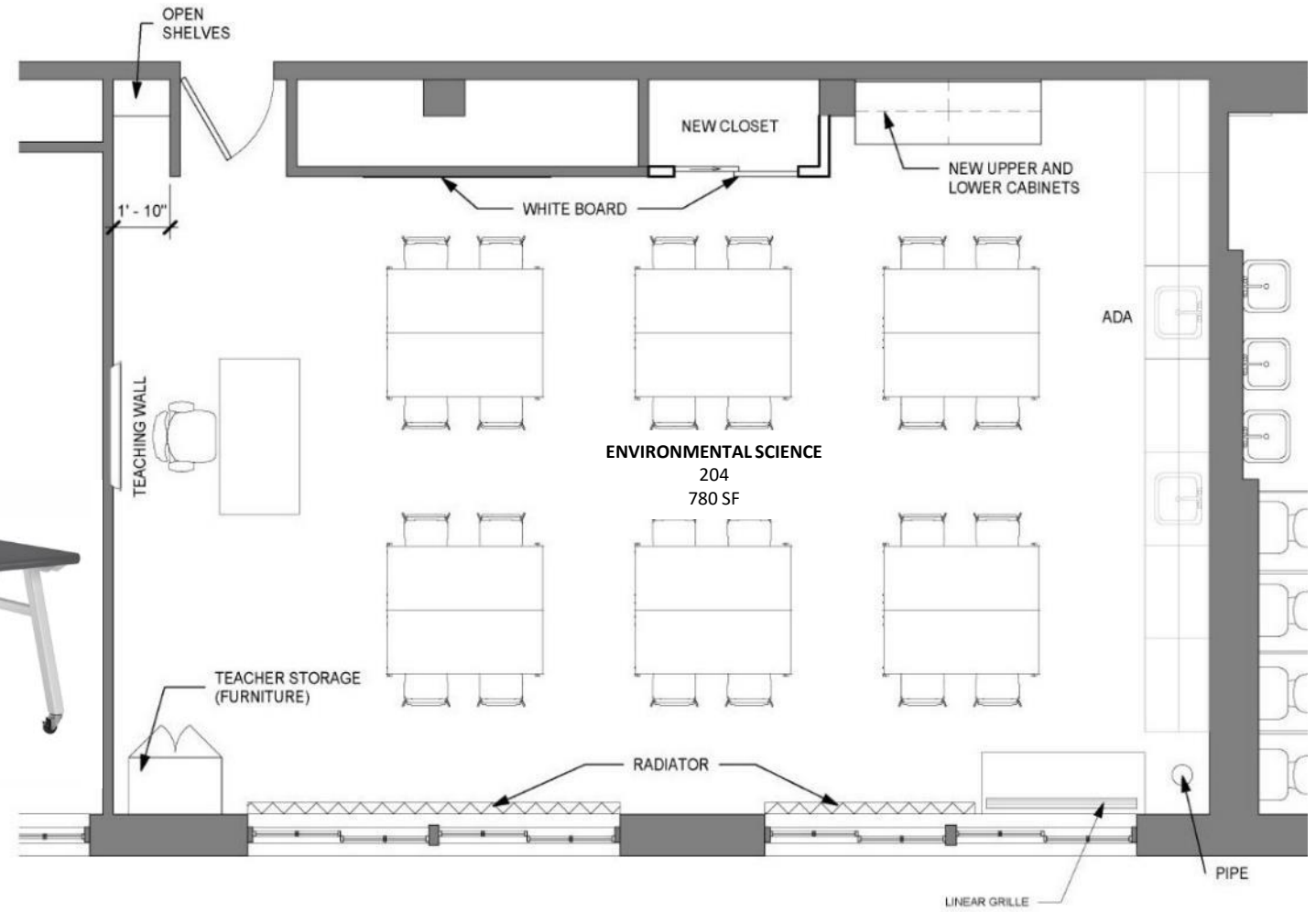


RIGGING PLAN

Croton-Harmon High School – Auditorium Lighting & Rigging



Croton-Harmon High School – Music Room

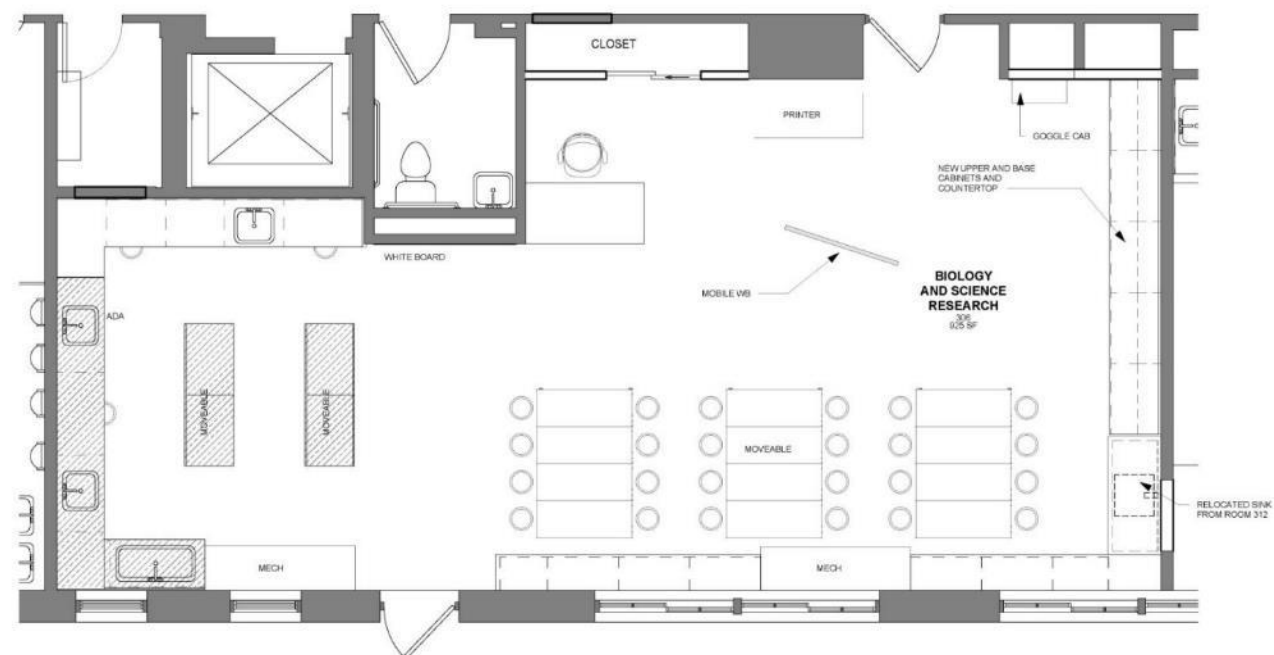


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Croton-Harmon High School – STEAM Renovations



EXISTING 306



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Croton-Harmon High School – STEAM Renovations

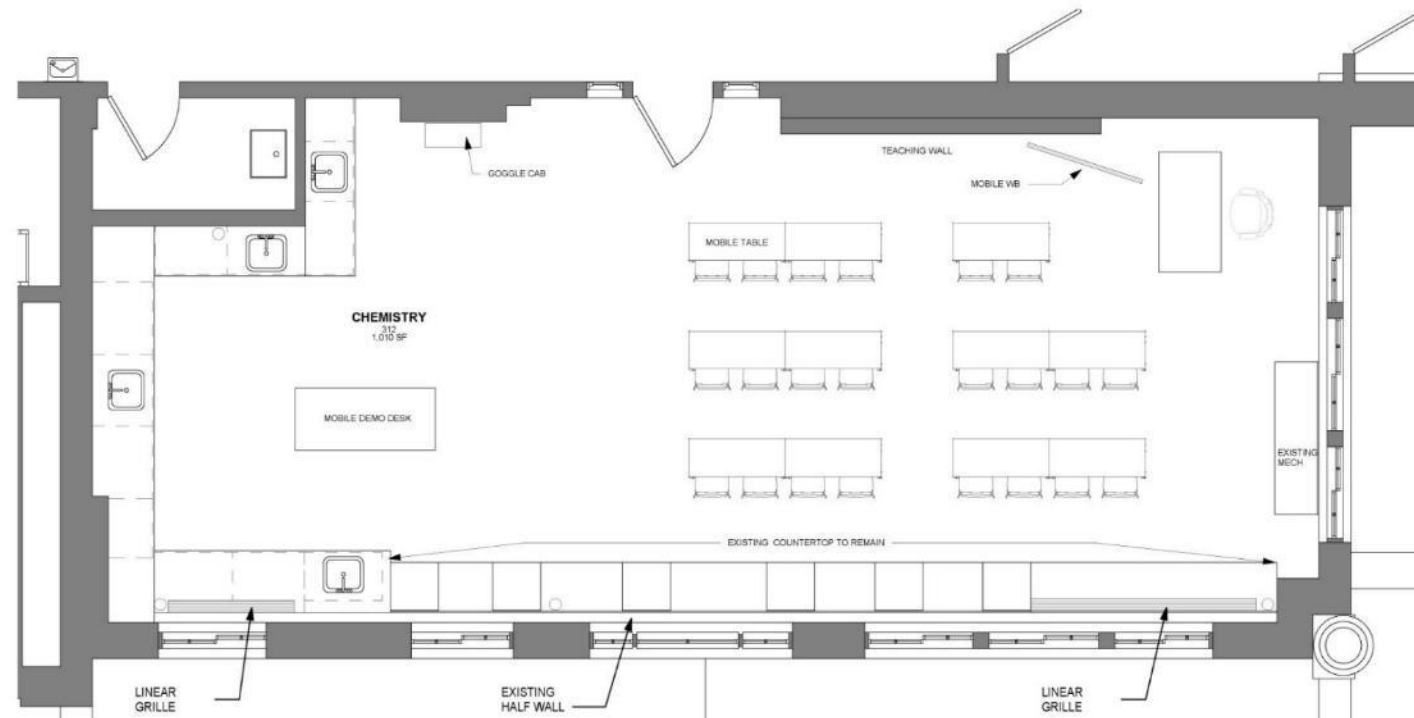


WHITE BOARD



EXISTING 306

EXISTING 312

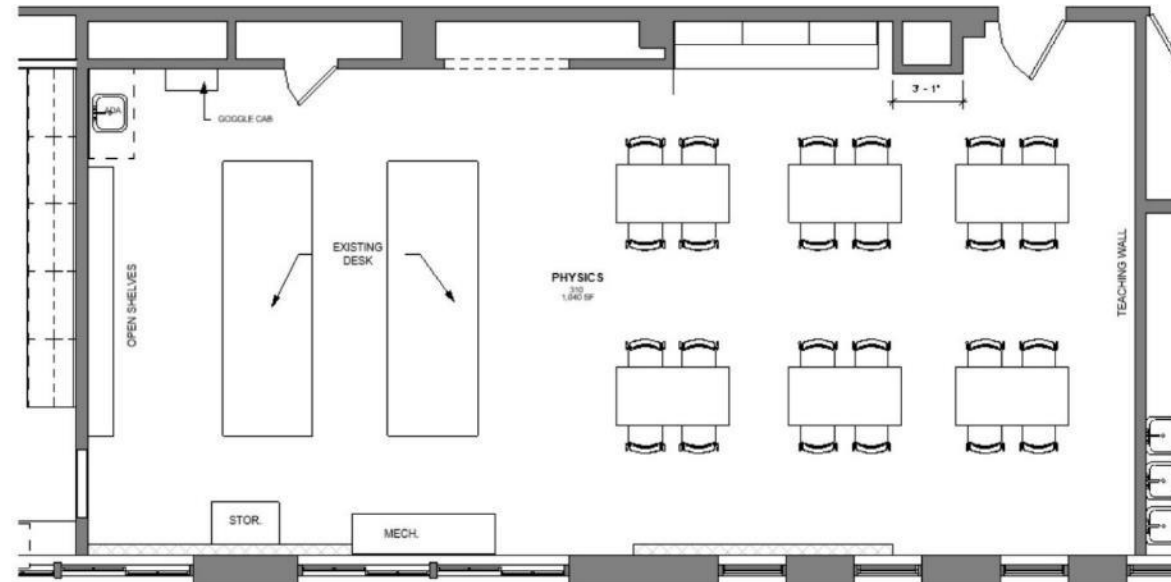


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Croton-Harmon High School – STEAM Renovations



EXISTING 310

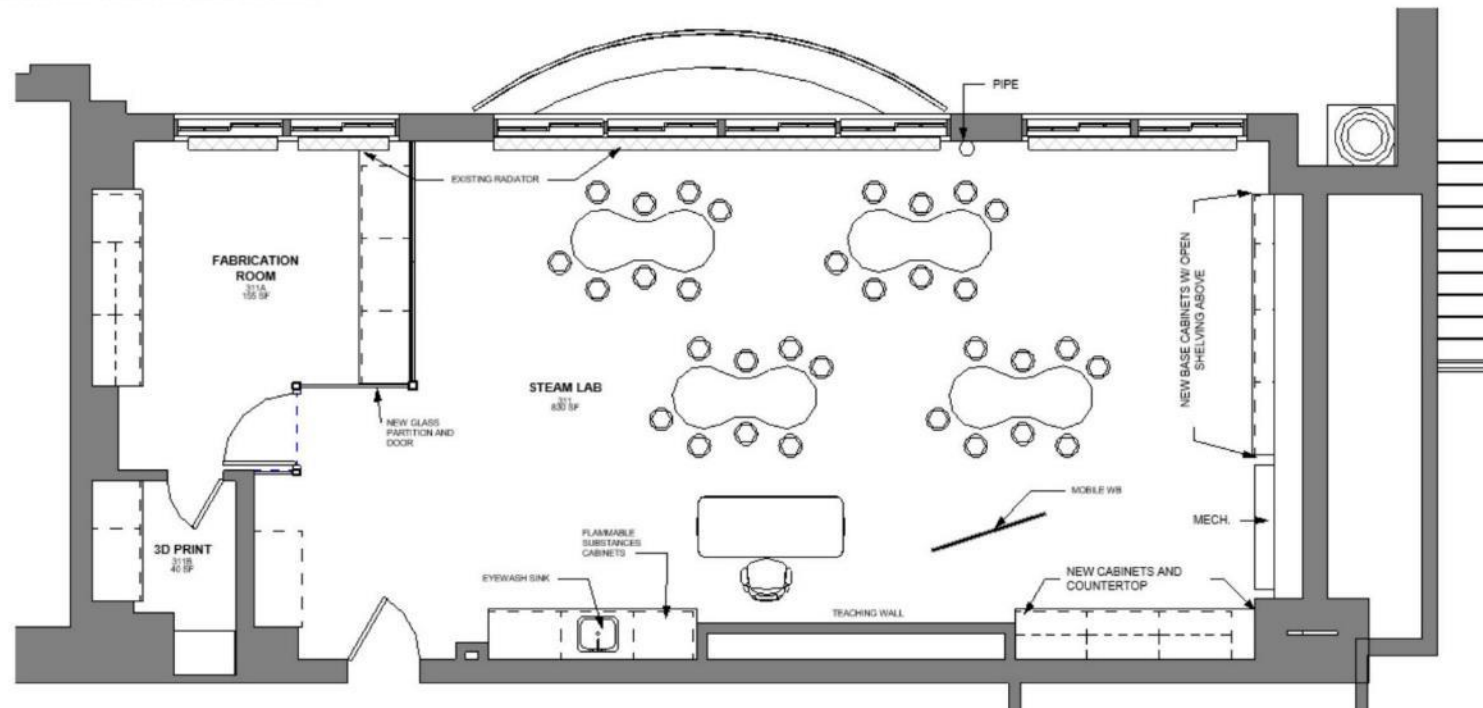


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Croton-Harmon High School – STEAM Renovations



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Croton-Harmon High School – STEAM Renovations



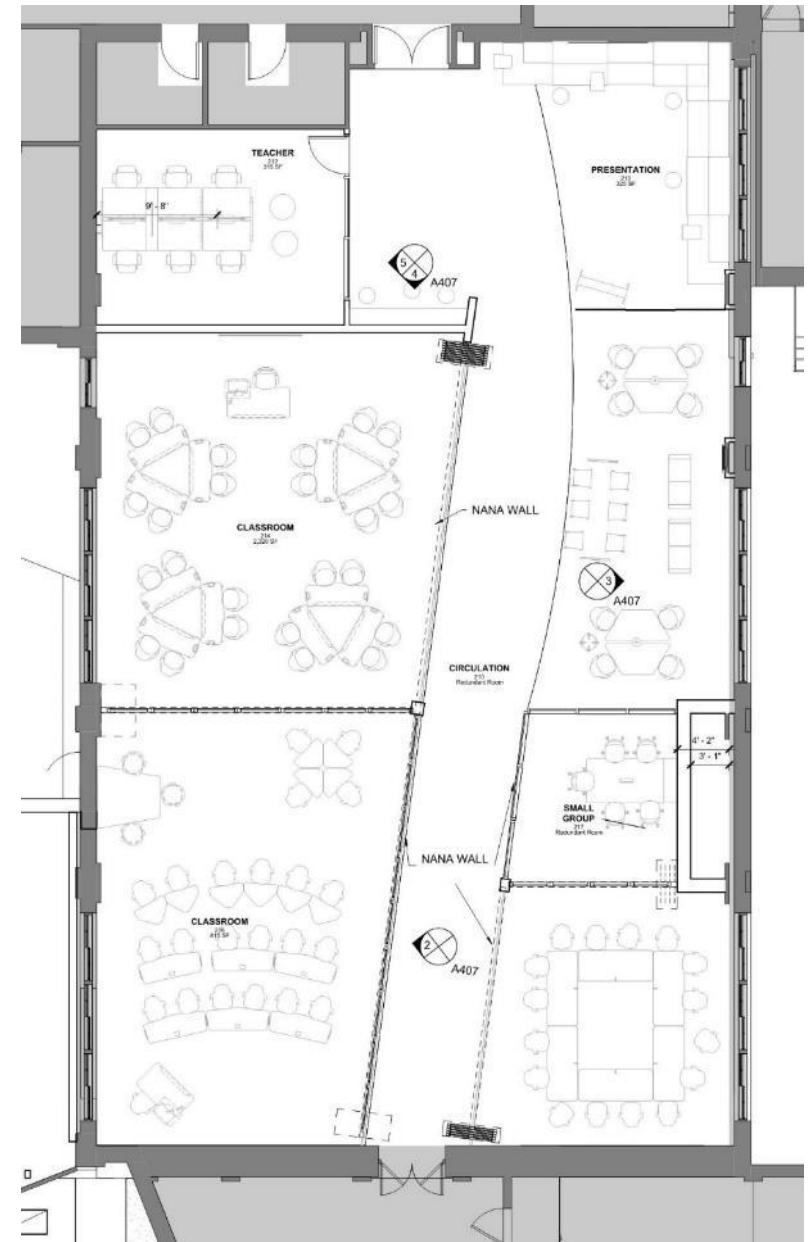
2022 Capital Projects Update - 15 June 2023



Croton-Harmon High School – Cafeteria



GREENVILLE FISHER MIDDLE SCHOOL



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Croton-Harmon High School – Innovative Learning Center



Croton-Harmon High School – Innovative Learning Center



Croton-Harmon High School – Innovative Learning Center



Croton-Harmon High School – Innovative Learning Center



Croton-Harmon High School – Innovative Learning Center



Croton-Harmon High School – Innovative Learning Center

Health, Wellness & Sustainability

- Specification of products, fixtures and furniture, where possible, that are sustainably sourced and backed up by documentation from the manufacturer
- Incorporation of outdoor learning and performance spaces
- Creation of outdoor play fields that benefit the students, teachers and community
- High-efficiency HVAC & lighting systems
- Ventilation with energy recovery, where possible
- Alignment with the Clean Green Schools Initiative (NYSERDA)
- Infrastructure to support electric school bus fleet
- Bottle-filling stations



DW Capital Improvements

Next Steps

- ❖ Complete Design Development Drawings: Summer 2023
 - ❖ Finalize plan layouts and detailed design of each space
 - ❖ Material and finish selections
 - ❖ Food service design
- ❖ Complete Construction Documents: Fall 2023
- ❖ **NYSED Submission: Fall 2023**
- ❖ **Construction Commence Spring 2024**

Budget & Cost Control

- Roofing project starting under budget (and ahead of schedule!)
- Cost control is achieved through independent estimates prepared by KG+D Architects and Triton Construction
- KG+D's schematic design estimate for the district-wide project is complete and under review, pending reconciliation with Triton Construction.
- Spencer field estimate concurrent with NYSED submission

NASCO CONSTRUCTION SERVICES INC SUBJECT: GENERAL CONSTRUCTION - ALL TRADES - CET ELEMENTARY PROJECT: CROTON HARMON SCHOOL DISTRICT LOCATION: CROTON HARMON, NY TYPE EST.: PRE-BOND CLIENT: KGD EST. NO: 23-0183 EST. BY: MMMAK CHKD. BY: EH DATE: 6/9/2023 REV. DATE: AREA SF:					
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
Gymnasium Improvements					
a.	Demolition - Basketball Hoops	6	EA	5,000.00	30,000
b.	Demolition - Wall Padding	258	SF	10.00	2,580
c.	Demolition - Op Partition	1,160	SF	5.00	5,800
d.	New Basketball Hoop	6	EA	20,000.00	120,000
e.	Operable Partition	1,160	SF	125.00	145,000
f.	Perimeter Wall Padding	258	SF	20.00	5,160
g.	Misc	1	LS	10,000.00	10,000
r.	Electrical - Power for Basketball Hoop	3,725	SF	5.00	18,625
	Subtotal				337,165
Cafeteria Improvements					
a.	Demolition - Ceiling Tile Only	4,850	SF	1.00	4,850
b.	Demolition - Flooring	4,850	SF	3.00	14,550
c.	Firestopping	4,850	SF	2.00	9,700
d.	Caulk & Sealant	4,850	SF	1.50	7,275
e.	Operable Partition Self Standin	450	SF	200.00	90,000
f.	Ceiling Tile only	4,850	SF	4.00	19,400
g.	Flooring - LV1	4,850	SF	8.00	38,800
h.	Misc	1	LS	10,000.00	10,000
	Subtotal				194,575
Kindergarten Courtyard Renovation					
a.	Demolition - Misc	1	LS	15,000.00	15,000
b.	Landscaping	2,025	SF	20.00	40,500
c.	Tiered Seating Inc Footing	360	LF	1,000.00	360,000
d.	New Paving	1,500	SF	15.00	22,500
e.	Misc	1	LS	10,000.00	10,000
	Subtotal				448,000
Library & Maker Space Renovation					
a.	Demolition	5,265	SF	10.00	52,650
b.	Milwork	200	LF	850.00	170,000
c.	Rough Blocking	5,265	SF	1.50	7,898
d.	Firestopping	5,265	SF	2.00	10,530
e.	Caulk & Sealant	5,265	SF	1.50	7,898
f.	Partitions	660	SF	25.00	16,500
g.	Flooring - Carpet	3,360	SF	5.00	16,800
h.	Flooring - LV1	108	SF	8.00	864
i.	Painting	1	LS	10,000.00	10,000
j.	Opening	1	LS	20,000.00	20,000
k.	Specialties	1	LS	10,000.00	10,000
r.	Electrical - Light Fixture, & low Voltag	5,265	SF	30.00	157,950
i.	Electrical - Power	5,265	SF	20.00	105,300
t.	HVAC - Complete System	5,265	SF	65.00	342,225
	Subtotal				928,614
Air Condition Kindergarten Wing					
a.	Demolition - Ceiling Tile & Grid	4,935	SF	2.00	9,870



MASTER BUDGET SUMMARY

Croton-Harmon Union Free School District
\$45M Capital Improvement Project

Date: 2/28/23
OACM Ref: #05

SED CODE	Description of Work	BUDGET			ACTUALS			(Sav)/Ovr vs Orig Est.	(Sav)/Ovr vs Rev Est.
		Original Bond BUDGET	Change/ Transfer	Revised BUDGET	Committed Costs	Uncomm Costs	Total Costs		
	HARD COSTS								
	Carrie E. Tompkins Elementary School	690,545	0	690,545	0	690,545	690,545	0	0
	Pierre Van Cortland Middle School	979,181	0	979,181	0	979,181	979,181	0	0
	Croton Harmon High School	1,906,727	0	1,906,727	0	1,906,727	1,906,727	0	0
	District Office	232,273	0	232,273	0	232,273	232,273	0	0
	Transportation Facility	40,830	0	40,830	0	40,830	40,830	0	0
	Sub-Total	3,849,556	0	3,849,556	0	3,849,556	3,849,556	0	0
	Spencer Field	6,530,000	0	6,530,000	0	6,530,000	6,530,000	0	0
	Carrie E. Tompkins ES - UPPER FIELD	199,091	0	199,091	0	199,091	199,091	0	0
	Carrie E. Tompkins Elementary School	260,000	0	260,000	0	260,000	260,000	0	0
	Pierre Van Cortland Middle School	556,818	0	556,818	0	556,818	556,818	0	0
	Croton Harmon High School	191,364	0	191,364	0	191,364	191,364	0	0
	District Office	265,909	0	265,909	0	265,909	265,909	0	0
	Sub-Total	8,003,182	0	8,003,182	0	8,003,182	8,003,182	0	0
	Carrie E. Tompkins Elementary School	4,995,846	0	4,995,846	0	4,995,846	4,995,846	0	0
	Pierre Van Cortland Middle School	5,053,309	0	5,053,309	0	5,053,309	5,053,309	0	0
	Croton Harmon High School	12,897,982	0	12,897,982	0	12,897,982	12,897,982	0	0
	District Office	20,379	0	20,379	0	20,379	20,379	0	0
	Transportation Facility	898,545	0	898,545	0	898,545	898,545	0	0
	Sub-Total	23,866,061	-	23,866,061	-	23,866,061	23,866,061	-	-
	SUBTOTAL ALL PRIME CONTRACTS	35,718,799	-	35,718,799	-	35,718,799	35,718,799	-	-

2023 Summer Construction

- **Stormwater Drainage Upgrades** - to Carrie E. Tompkins and Croton-Harmon HS
 - Includes paving around the CHHS Baseball Field and adjacent parking lot
- **Roof Renovations and Improvements** - to Carrie E. Tompkins ES, District-Office and Transportation Facility
- Pierre Van Cortlandt MS and Croton-Harmon HS Roofing Projects will be rebid this Fall for construction over Summer 2024.
- Project is currently On-Schedule and On-Budget

Project Schedule

