

Alamance-Burlington School System

Capital Project Update

December 17, 2020

7 Year Capital Plan

	Year 1 2019/2020	Year 2 2020/2021	Year 3 2021/2022
Recurring Capital			
Flooring	\$ 65,000.00	\$ 68,250.00	\$ 71,662.00
Painting	\$ 650,000.00	\$ 650,000.00	\$ 650,000.00
Electrical Upgrades		\$ 540,000.00	
HVAC/Controls Repairs			\$ 20,000.00
Minor Renovations/General Needs/Paint*	\$ 30,000.00	\$ 31,500.00	\$ 33,000.00
Roof Repairs/Replacement	\$ 610,000.00	\$ 150,000.00	\$ 550,000.00
Alarm Panel/Security	\$ 58,500.00		
Playground Mulch	\$ 80,000.00	\$ 82,100.00	\$ 84,500.00
Paving/ Concrete Projects Repairs	\$ 100,000.00	\$ 75,000.00	\$ 75,000.00
Classroom Furniture (Replacement)	\$ 100,000.00	\$ 100,000.00	\$ 80,000.00
Plumbing Repairs			\$ 20,000.00
Vehicle Replacement	\$ 95,000.00		
Safety/Security	\$ 1,167,000.00	\$ 1,197,500.00	\$ 1,183,000.00
Maintenance Equipment			\$ 50,000.00
Activity Buses			\$ 90,000.00
Window Replacement			
Contingency Funds	\$ 344,500.00	\$ 405,650.00	\$ 392,838.00
Total	\$ 3,300,000.00	\$ 3,300,000.00	\$ 3,300,000.00

Year 4 2022/2023	Year 5 2023/2024	Year 6 2024/2025	Year 7 2025-2026
\$ 75,245.00	\$ 77,500.00	\$ 79,800.00	\$ 82,000.00
\$ 650,000.00	\$ 650,000.00		
\$ 285,000.00	\$ 250,000.00	\$ 1,500,000.00	\$ 976,000.00
\$ 165,000.00			
\$ 34,500.00	\$ 36,000.00	\$ 37,500.00	\$ 39,000.00
\$ 325,000.00	\$ 230,000.00	\$ 500,000.00	\$ 552,000.00
\$ 87,000.00	\$ 89,500.00	\$ 92,000.00	\$ 94,700.00
\$ 75,000.00	\$ 75,000.00	\$ 100,000.00	\$ 410,000.00
\$ 100,000.00	\$ 80,000.00	\$ 100,000.00	\$ 100,000.00
	\$ 112,000.00		
\$ 1,218,000.00	\$ 1,402,000.00	\$ 145,000.00	\$ 120,000.00
	\$ 90,000.00		
		\$ 330,000.00	\$ 660,000.00
\$ 285,255.00	\$ 208,000.00	\$ 415,700.00	\$ 266,300.00
\$ 3,300,000.00	\$ 3,300,000.00	\$ 3,300,000.00	\$ 3,300,000.00

Facility Needs Survey Summary



2020-21 DPI Facility Needs Survey

Cost Summary
0 to 5 Years

Alamance - Burlington Schools

Cost Summary (0 to 5 years)

Unit: 010		Priority	New School	Additions	Renovations	Furn/Eqpt	Land	Total
113	Alamance High School	1	65,377,690	0	0	5,114,548	2,243,210	\$72,735,448
304	Alexander Wilson Element	2	0	1,406,250	4,165,275	117,500	0	\$5,689,025
308	Altamahaw-Ossipee Elem	2	0	0	2,722,952	0	0	\$2,722,952
310	Broadview Middle	2	0	0	8,113,102	0	0	\$8,113,102
312	Highland Elementary	2	0	0	195,525	0	0	\$195,525
320	E M Yoder Elementary	2	0	2,003,906	575,318	167,438	0	\$2,746,662
324	Eastern Alamance High	1	0	4,972,078	6,419,264	565,445	0	\$11,956,787
326	Eastlawn Elementary	2	0	3,976,875	4,169,233	343,600	0	\$8,489,708
328	Edwin M Holt Elementary	2	0	1,406,250	1,189,193	117,500	0	\$2,712,943
340	Elon Elementary	2	0	2,601,562	0	217,375	0	\$2,818,937
346	B. Everett Jordan Element	2	0	1,164,375	2,663,406	106,050	0	\$3,933,831
347	Audrey W. Garrett Elemen	2	0	2,812,500	634,568	235,000	0	\$3,682,068
348	Graham High	1	0	303,750	7,319,449	25,380	0	\$7,648,579
350	Graham Middle	2	0	2,988,281	3,994,813	249,688	0	\$7,232,782
351	Grove Park Elementary	2	0	1,406,250	568,800	117,500	0	\$2,092,550
353	Hawfields Middle	2	0	0	724,331	0	0	\$724,331
354	Harvey R Newlin Element	2	0	0	587,760	0	0	\$587,760
357	Haw River Elementary	2	0	0	1,128,742	0	0	\$1,128,742
358	Hillcrest Elementary	2	0	0	327,356	0	0	\$327,356

360	Hugh M Cummings High	1	0	645,469	10,923,425	53,932	0	\$11,622,826	
362	Marvin B Smith Elementar	2	0	0	65,175	0	0	\$65,175	
364	North Graham Elementary	2	0	0	147,384	0	0	\$147,384	
372	Pleasant Grove Elementar	1	0	0	6,474,567	0	0	\$6,474,567	
374	R Homer Andrews Eleme	2	0	0	440,820	0	0	\$440,820	
378	Ray Street Academy	2	0	0	1,526,872	0	0	\$1,526,872	
380	South Graham Elementar	2	0	2,109,375	2,757,436	176,250	0	\$5,043,061	
384	South Mebane Elementar	1	0	6,471,844	2,830,852	540,758	0	\$9,843,454	
388	Southern Alamance High	1	0	14,394,669	7,217,150	1,342,308	0	\$22,954,127	
390	Southern Alamance Middl	2	0	9,578,531	4,363,170	800,340	0	\$14,742,041	
392	Sylvan Elementary	2	0	4,680,000	612,645	399,800	0	\$5,692,445	
394	Turrentine Middle	2	0	4,262,203	4,363,762	506,131	0	\$9,132,096	
396	Walter M Williams High	1	0	0	4,706,820	0	0	\$4,706,820	
400	Western Alamance High	1	0	3,141,562	8,382,098	412,495	0	\$11,936,155	
403	Western Alamance Middle	2	0	2,390,625	613,238	199,750	0	\$3,203,613	
406	Woodlawn Middle	2	0	0	4,207,342	0	0	\$4,207,342	
Totals:				65,377,690	72,716,355	105,131,843	11,808,788	2,243,210	\$257,277,886



2020-21 DPI Facility Needs Survey

Cost Summary 6 to 10 Years

Alamance - Burlington Schools Cost Summary (6 - 10 years)

Unit: 010		Priority	New School	Additions	Renovations	Furn/Eqpt	Land	Total
304	Alexander Wilson Element	4	0	0	2,157,292	0	0	\$2,157,292
308	Altamahaw-Ossipee Elem	4	0	0	1,015,664	0	0	\$1,015,664
310	Broadview Middle	3	0	0	1,291,650	0	0	\$1,291,650
312	Highland Elementary	4	0	0	177,750	0	0	\$177,750
320	E M Yoder Elementary	4	0	0	1,894,849	0	0	\$1,894,849
324	Eastern Alamance High	4	0	0	6,852,736	0	0	\$6,852,736
326	Eastlawn Elementary	4	0	0	342,226	0	0	\$342,226
328	Edwin M Holt Elementary	4	0	0	2,955,501	0	0	\$2,955,501
346	B. Everett Jordan Element	3	0	2,109,375	266,625	176,250	0	\$2,552,250
347	Audrey W. Garrett Elemen	4	0	0	2,666,250	0	0	\$2,666,250
348	Graham High	4	0	0	6,550,088	0	0	\$6,550,088
350	Graham Middle	4	0	0	2,156,700	0	0	\$2,156,700
351	Grove Park Elementary	4	0	0	2,385,257	0	0	\$2,385,257
353	Hawfields Middle	4	0	0	237,000	0	0	\$237,000
354	Harvey R Newlin Element	4	0	0	2,784,750	0	0	\$2,784,750

357	Haw River Elementary	3	0	1,406,250	1,451,744	117,500	0	\$2,975,494
358	Hillcrest Elementary	3	0	1,300,781	0	108,688	0	\$1,409,469
360	Hugh M Cummings High	3	0	3,016,406	1,116,270	252,038	0	\$4,384,714
362	Marvin B Smith Elementar	3	0	0	2,799,562	0	0	\$2,799,562
364	North Graham Elementary	3	0	0	1,321,275	0	0	\$1,321,275
372	Pleasant Grove Elementar	4	0	0	118,500	0	0	\$118,500
374	R Homer Andrews Eleme	4	0	0	690,855	0	0	\$690,855
380	South Graham Elementar	4	0	0	3,257,257	0	0	\$3,257,257
384	South Mebane Elementar	4	0	1,195,312	2,427,117	99,875	0	\$3,722,304
388	Southern Alamance High	4	0	6,148,969	8,459,834	513,780	0	\$15,122,583
390	Southern Alamance Middl	3	0	0	1,154,190	0	0	\$1,154,190
392	Sylvan Elementary	4	0	0	983,550	0	0	\$983,550
394	Turrentine Middle	3	0	0	2,898,510	0	0	\$2,898,510
396	Walter M Williams High	4	0	3,016,406	14,574,925	252,038	0	\$17,843,369
400	Western Alamance High	4	0	0	6,748,220	0	0	\$6,748,220
403	Western Alamance Middle	3	0	0	3,752,388	0	0	\$3,752,388
406	Woodlawn Middle	4	0	0	3,526,560	0	0	\$3,526,560
Totals:			0	18,193,499	89,015,095	1,520,169	0	\$108,728,763



BOND PROJECTS

South Mebane Elementary School



South Mebane Elementary School

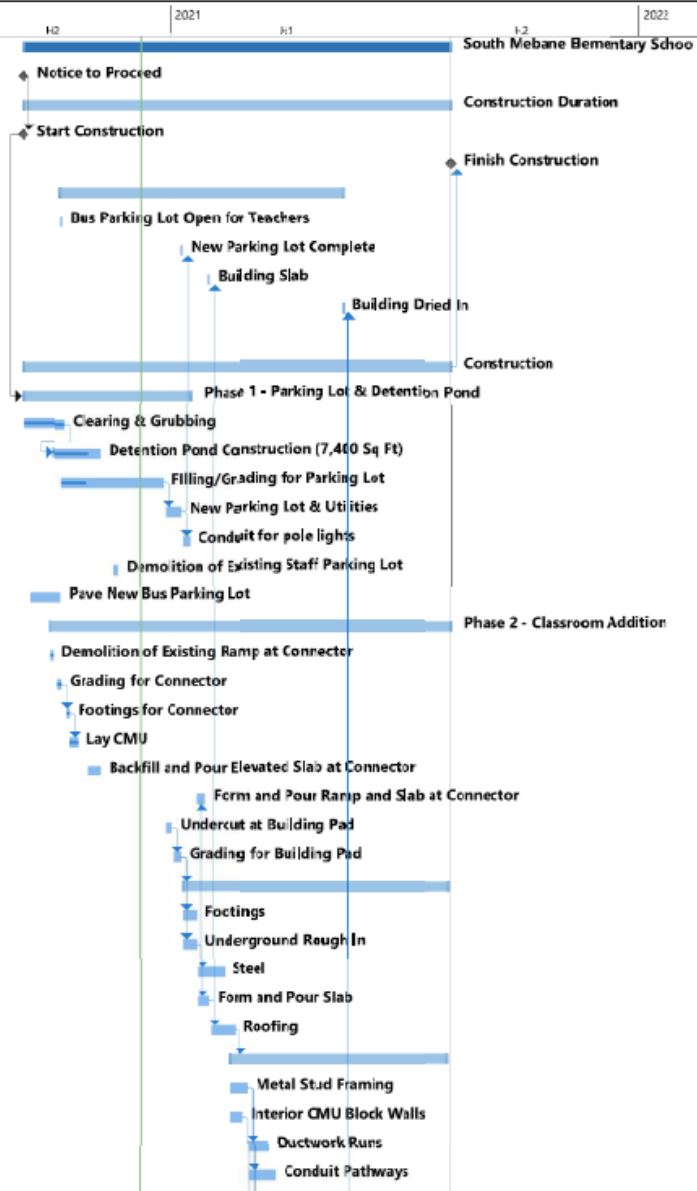


South Mebane Elementary



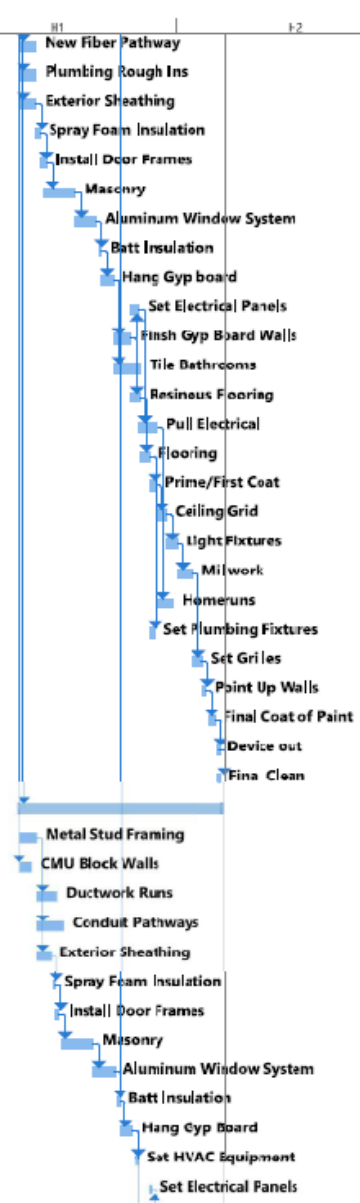
**South Mebane Elementary School
Construction Schedule**

ID	Task Name	Calendar Days	Start	Finish	% Complete	Predecessor	Resource Names
1	South Mebane Elementary School - Addn/Reno	239 days	Tue 9/8/20	Fri 8/6/21	0%		
2	Notice to Proceed	0 days	Tue 9/8/20	Tue 9/8/20	0%		
3	Construction Duration	239 days	Tue 9/8/20	Fri 8/6/21	0%		
4	Start Construction	0 days	Tue 9/8/20	Tue 9/8/20	0%	2	
5	Finish Construction	0 days	Fri 8/6/21	Fri 8/6/21	0%	12	
6	Milestones	158 days	Wed 10/7/20	Fri 5/14/21	0%		
7	Bus Parking Lot Open for Teachers	1 day	Wed 10/7/20	Wed 10/7/20	0%		
8	New Parking Lot Complete	1 day	Fri 1/8/21	Fri 1/8/21	0%	17FS-1 day	
9	Building Slab	1 day	Fri 1/29/21	Fri 1/29/21	0%	34FS-1 day	
10	Building Dried In	1 day	Fri 5/14/21	Fri 5/14/21	0%	76FS-1 day	
11							
12	Construction	239 days	Tue 9/8/20	Fri 8/6/21	9%		
13	Phase 1 - Parking Lot & Detention Pond	94 days	Tue 9/8/20	Fri 1/15/21	40%	45S	
14	Clearing & Grubbing	24 days	Tue 9/8/20	Fri 10/9/20	100%		
15	Detention Pond Construction (7,400 Sq Ft)	28 days	Wed 9/30/20	Fri 11/6/20	75%	14FS-12 da	
16	Filling/Grading for Parking Lot	57 days	Thu 10/8/20	Fri 12/25/20	23%		
17	New Parking Lot & Utilities	10 days	Mon 11/28/20	Fri 1/8/21	0%	16	
18	Conduit for pole lights	5 days	Mon 1/11/21	Fri 1/15/21	0%	17	
19	Demolition of Existing Staff Parking Lot	4 days	Tue 11/17/20	Fri 11/20/20	0%		
20	Pave New Bus Parking Lot	17 days	Mon 9/14/20	Tue 10/6/20	0%		
21	Phase 2 - Classroom Addition	224 days	Tue 9/29/20	Fri 8/6/21	2%		
22	Demolition of Existing Ramp at Connector	2 days	Tue 9/29/20	Wed 9/30/20	100%		
23	Grading for Connector	3 days	Mon 10/5/20	Wed 10/7/20	100%		
24	Footings for Connector	2 days	Mon 10/12/20	Tue 10/13/20	100%	23FS+2 day	
25	Lay CMU	3 days	Wed 10/14/20	Tue 10/20/20	100%	24FS+3 day	
26	Backfill and Pour Elevated Slab at Connector	7 days	Thu 10/29/20	Fri 11/6/20	0%		
27	Form and Pour Ramp and Slab at Connector	5 days	Thu 1/21/21	Wed 1/27/21	0%	32	
28	Undercut at Building Pad	5 days	Mon 11/28/20	Fri 1/1/21	0%		
29	Grading for Building Pad	5 days	Mon 1/4/21	Fri 1/8/21	0%	28	
30	Classroom Wing Addition (17,500 Sq Ft)	148 days	Mon 1/11/21	Wed 8/4/21	0%	29	
31	Footings	8 days	Mon 1/11/21	Wed 1/20/21	0%	29	
32	Underground Rough In	8 days	Mon 1/11/21	Wed 1/20/21	0%	29	
33	Steel	15 days	Thu 1/21/21	Wed 2/10/21	0%	32	
34	Form and Pour Slab	7 days	Thu 1/21/21	Fri 1/29/21	0%	32	
35	Roofing	15 days	Mon 2/1/21	Fri 2/19/21	0%	34	
36	North Wing	121 days	Tue 2/16/21	Tue 8/3/21	0%	35FS-4 day	
37	Metal Stud Framing	10 days	Tue 2/16/21	Mon 3/1/21	0%		
38	Interior CMU Block Walls	8 days	Tue 2/16/21	Thu 2/25/21	0%		
39	Ductwork Runs	12 days	Tue 3/2/21	Wed 3/17/21	0%	37	
40	Conduit Pathways	15 days	Tue 3/2/21	Mon 3/22/21	0%	37	



**South Mebane Elementary School
Construction Schedule**

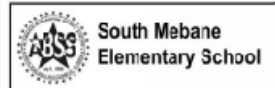
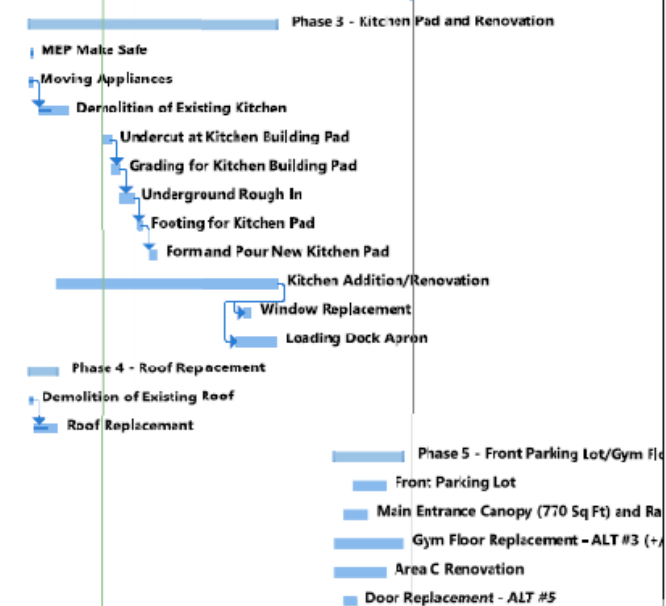
IC	Task Name	Calendar Days	Start	Finish	% Complete	Predecessor	Resource Names	2021	2022
41	New Fiber Pathway	10 days	Tue 3/2/21	Mon 3/15/21	0%	37			
42	Plumbing Rough Ins	10 days	Tue 3/2/21	Mon 3/15/21	0%	37			
43	Exterior Sheathing	10 days	Tue 3/2/21	Mon 3/15/21	0%	37			
44	Spray Foam Insulation	3 days	Tue 3/16/21	Thu 3/18/21	0%	43			
45	Install Door Frames	3 days	Fri 3/19/21	Tue 3/23/21	0%	44			
46	Masonry	18 days	Mon 3/22/21	Wed 4/14/21	0%	45FS-2 day			
47	Aluminum Window System	12 days	Thu 4/15/21	Fri 4/30/21	0%	46			
48	Batt Insulation	2 days	Mon 5/3/21	Tue 5/4/21	0%	47			
49	Hang Gyp board	7 days	Wed 5/5/21	Thu 5/13/21	0%	48			
50	Set Electrical Panels	4 days	Fri 5/28/21	Wed 6/2/21	0%	51			
51	Finish Gyp Board Walls	10 days	Fri 5/14/21	Thu 5/27/21	0%	49			
52	Tile Bathrooms	15 days	Fri 5/14/21	Thu 6/3/21	0%	49			
53	Resinous Flooring	5 days	Fri 5/28/21	Thu 6/3/21	0%	51			
54	Pull Electrical	10 days	Thu 6/3/21	Wed 6/16/21	0%	50			
55	Flooring	5 days	Fri 6/4/21	Thu 6/10/21	0%	53			
56	Prime/First Coat	3 days	Fri 6/11/21	Tue 6/15/21	0%	55			
57	Ceiling Grid	6 days	Wed 6/16/21	Wed 6/23/21	0%	56			
58	Light Fixtures	6 days	Thu 6/24/21	Thu 7/1/21	0%	57			
59	Millwork	8 days	Fri 7/2/21	Tue 7/13/21	0%	58			
60	Home runs	8 days	Thu 6/17/21	Mon 6/28/21	0%	54			
61	Set Plumbing Fixtures	2 days	Fri 6/11/21	Mon 6/14/21	0%	55			
62	Set Grilles	5 days	Wed 7/14/21	Tue 7/20/21	0%	59			
63	Point Up Walls	3 days	Wed 7/21/21	Fri 7/23/21	0%	62			
64	Final Coat of Paint	5 days	Mon 7/26/21	Fri 7/30/21	0%	63			
65	Device out	1 day	Mon 8/2/21	Mon 8/2/21	0%	64			
66	Final Clean	2 days	Mon 8/2/21	Tue 8/3/21	0%	65FS-1 day			
67	South Wing	112 days	Tue 3/2/21	Wed 8/4/21	0%	37			
68	Metal Stud Framing	10 days	Tue 3/2/21	Mon 3/15/21	0%				
69	CMU Block Walls	8 days	Tue 3/2/21	Thu 3/11/21	0%	38			
70	Ductwork Runs	12 days	Tue 3/16/21	Wed 3/31/21	0%	68			
71	Conduit Pathways	15 days	Tue 3/16/21	Mon 4/5/21	0%	68			
72	Exterior Sheathing	9 days	Tue 3/16/21	Fri 3/26/21	0%	68			
73	Spray Foam Insulation	2 days	Mon 3/29/21	Tue 3/30/21	0%	72			
74	Install Door Frames	3 days	Wed 3/31/21	Fri 4/2/21	0%	73			
75	Masonry	18 days	Mon 4/5/21	Wed 4/28/21	0%	74			
76	Aluminum Window System	12 days	Thu 4/29/21	Fri 5/14/21	0%	75			
77	Batt Insulation	2 days	Mon 5/17/21	Tue 5/18/21	0%	76			
78	Hang Gyp Board	8 days	Wed 5/19/21	Fri 5/28/21	0%	77			
79	Set HVAC Equipment	2 days	Mon 5/31/21	Tue 6/1/21	0%	78			
80	Set Electrical Panels	7 days	Thu 6/10/21	Fri 6/11/21	0%	81			



South Mebane Elementary School

Construction Schedule

ID	Task Name	Calendar Days	Start	Finish	% Complete	Predecessors	Resource Names	H2	2021	H1	H2	2022
81	Finish Gyp Board Walls	8 days	Mon 5/31/21	Wed 6/9/21	0%	78						
82	Resinous Flooring	3 days	Thu 6/10/21	Mon 6/14/21	0%	81						
83	Flooring	5 days	Tue 6/15/21	Mon 6/21/21	0%	82						
84	Pull Electrical	10 days	Mon 6/14/21	Fri 6/25/21	0%	80						
85	Prime/First Coat	3 days	Tue 6/22/21	Thu 6/24/21	0%	83						
86	Ceiling Grid	4 days	Fri 6/25/21	Wed 6/30/21	0%	85						
87	Light Fixtures	6 days	Thu 7/1/21	Thu 7/8/21	0%	86						
88	Millwork	5 days	Fri 7/9/21	Thu 7/15/21	0%	87						
89	Homeruns	10 days	Mon 6/28/21	Fri 7/9/21	0%	84						
90	Set Grilles	2 days	Fri 7/16/21	Mon 7/19/21	0%	88						
91	Point Up Walls	4 days	Tue 7/20/21	Fri 7/23/21	0%	90						
92	Final Coat of Paint	5 days	Mon 7/16/21	Fri 7/30/21	0%	91						
93	Device cut	1 day	Mon 8/2/21	Mon 8/2/21	0%	92						
94	Final Clean	2 days	Tue 8/3/21	Wed 8/4/21	0%	93						
95	Sidewalks	20 days	Mon 6/7/21	Fri 7/2/21	0%							
96	New Dumpster Pad & Enclosure	4 wks	Mon 6/14/21	Fri 7/9/21	0%							
97	Final Inspections	2 days	Tue 8/3/21	Wed 8/4/21	0%	94FS-2 day						
98	Fire Marshal	2 days	Thu 8/5/21	Fri 8/6/21	0%	97						
99	Phase 3 - Kitchen Pad and Renovation	140 days	Mon 10/12/20	Fri 4/23/21	5%							
100	MEP Make Safe	1 day	Tue 10/13/20	Tue 10/13/20	100%							
101	Moving Appliances	1 day	Mon 10/12/20	Mon 10/12/20	100%							
102	Demolition of Existing Kitchen	17 days	Mon 10/19/20	Tue 11/10/20	47%	101						
103	Undercut at Kitchen Building Pad	6 days	Mon 12/7/20	Mon 12/14/20	0%							
104	Grading for Kitchen Building Pad	5 days	Tue 12/15/20	Mon 12/21/20	0%	103						
105	Underground Rough In	8 days	Tue 12/12/20	Thu 12/31/20	0%	104						
106	Footing for Kitchen Pad	4 days	Mon 1/4/21	Thu 1/7/21	0%	105FS+1 day						
107	Form and Pour New Kitchen Pad	4 days	Wed 1/13/21	Mon 1/18/21	0%	105FS+3 day						
108	Kitchen Addition/Renovation	125 days	Mon 11/2/20	Fri 4/23/21	0%							
109	Window Replacement	5 days	Mon 3/29/21	Fri 4/2/21	0%	108FS-20 day						
110	Loading Dock Apron	24 days	Mon 3/22/21	Thu 4/22/21	0%	108FS-25 day						
111	Phase 4 - Roof Replacement	16 days	Mon 10/12/20	Mon 11/2/20	68%							
112	Demolition of Existing Roof	3 days	Mon 10/12/20	Wed 10/14/20	100%							
113	Roof Replacement	13 days	Thu 10/15/20	Mon 11/2/20	60%	112						
114	Phase 5 - Front Parking Lot/Gym Floor Replacement/Door Replacement	40 days	Mon 6/7/21	Fri 7/30/21	0%							
115	Front Parking Lot	20 days	Mon 6/21/21	Fri 7/16/21	0%							
116	Main Entrance Canopy (770 Sq Ft) and Ramp System (600 Sq Ft)	15 days	Mon 6/14/21	Fri 7/2/21	0%							
117	Gym Floor Replacement - ALT #3 (+/- 5,000 Sq Ft)	40 days	Mon 6/7/21	Fri 7/30/21	0%							
118	Area C Renovation	30 days	Mon 6/7/21	Fri 7/16/21	0%							
119	Door Replacement - ALT #5	8 days	Mon 6/14/21	Wed 6/23/21	0%							





NEW HIGH SCHOOL

New High School

- Land purchase completed. Recorded on June 29.2020. \$2,246,514.00
- September 2020 – DD phase Final, Cost estimates from CMR, Value Engineering if needed.
- October 2020 – BOE final approval
- October 2020 Project in Construction Document Phase
- Input was received from Students, Staff, Community, Athletic Directors, Central Office Staff, Board of Education, Child Nutrition as well as designers and CMR.
 - Focus points included classroom design, parking, student service areas, administration offices, Career and Technical Education Programs, athletic needs, data layout, security, kitchen design and kitchen equipment.
- Swepsonville Fire Department has submitted application to burn the houses on the property as a training exercise. Due to Covid19 this is not possible. Will be demolished during construction
- December 2020 Swepsonville approved Will Serve letter for sewer permits.
- Final document preparation for Bid Process



AL AMANCE - BURLINGTON HIGH SCHOOL

MAIN ENTRANCE



MANASSAS BRANSON HIGH SCHOOL



Southern High School

- October – Construction Document Phase
- October – BOE Final Approval of Project
- Input was received from Students, Staff, Community, Athletic Directors, Central Office Staff, Board of Education, Child Nutrition as well as designers and CMR.
 - Focus points included classroom design, parking, student service areas, administration offices, Career and Technical Education Programs, athletic needs, data layout, security, kitchen design and kitchen equipment.
- Traffic Study
 - ABSS has received final traffic analysis and civil drawings showing required site and road improvements for this project
 - Due to the location of the middle school improvements will be required for improvements at both sites
 - ABSS staff is meeting with DOT officials to discuss funding options
 - Final document preparation for Bid Process

OVERALL PLAN



SOUTHERN ALAVANCE HIGH SCHOOL
 10000 W. STATE ST. S.W.
 ALAVANCE COUNTY, NORTH CAROLINA
 OVERALL SITE REFERENCE PLAN

PINNACLE ARCHITECTURE
 PROFESSIONAL ASSOCIATION
 210 EAST RAY STREET, SUITE 105
 CHARLESTON, SOUTH CAROLINA 29403
 TEL: (803) 732-5350 FAX: (803) 732-5374

DESIGN: 10.20.2005
 DRAWN: JAE 10.20.2005
 PROJECT: 1102

DO CHECK SET
 NOT FOR
 CONSTRUCTION

REVISION SCHEDULE
 1. REV. 1. REFERENCE

A100




TYPICAL CLASSROOM



ALAMANCE-BURLINGTON SCHOOL SYSTEM

GRAHAM HIGH SCHOOL
RENOVATIONS



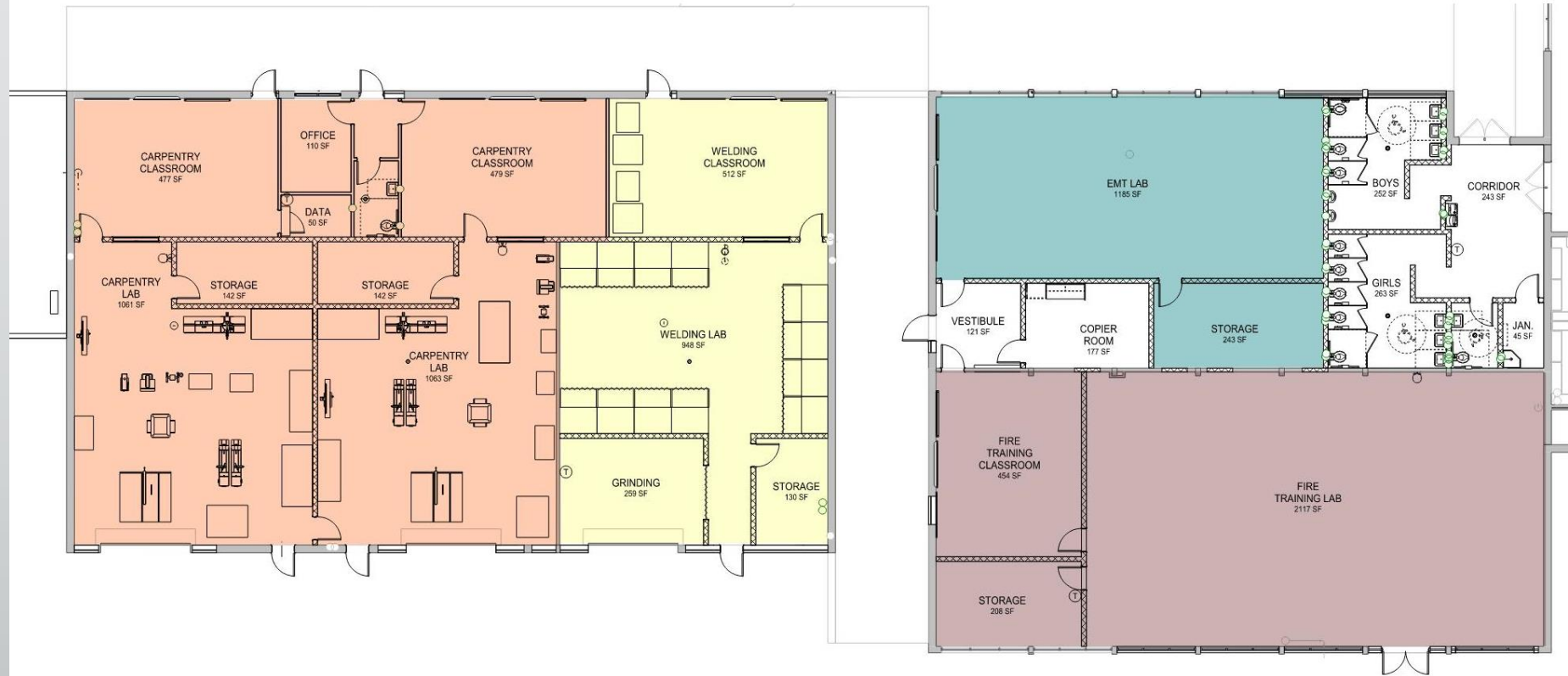
Graham High School

- October – Construction Document Phase
- October – BOE Final Approval of Project
- Engineers and designers have meet with administration, Career and Technical Education staff, Alamance Community College to determine needs
- Final document preparation for Bid Process

PROJECT SCOPE



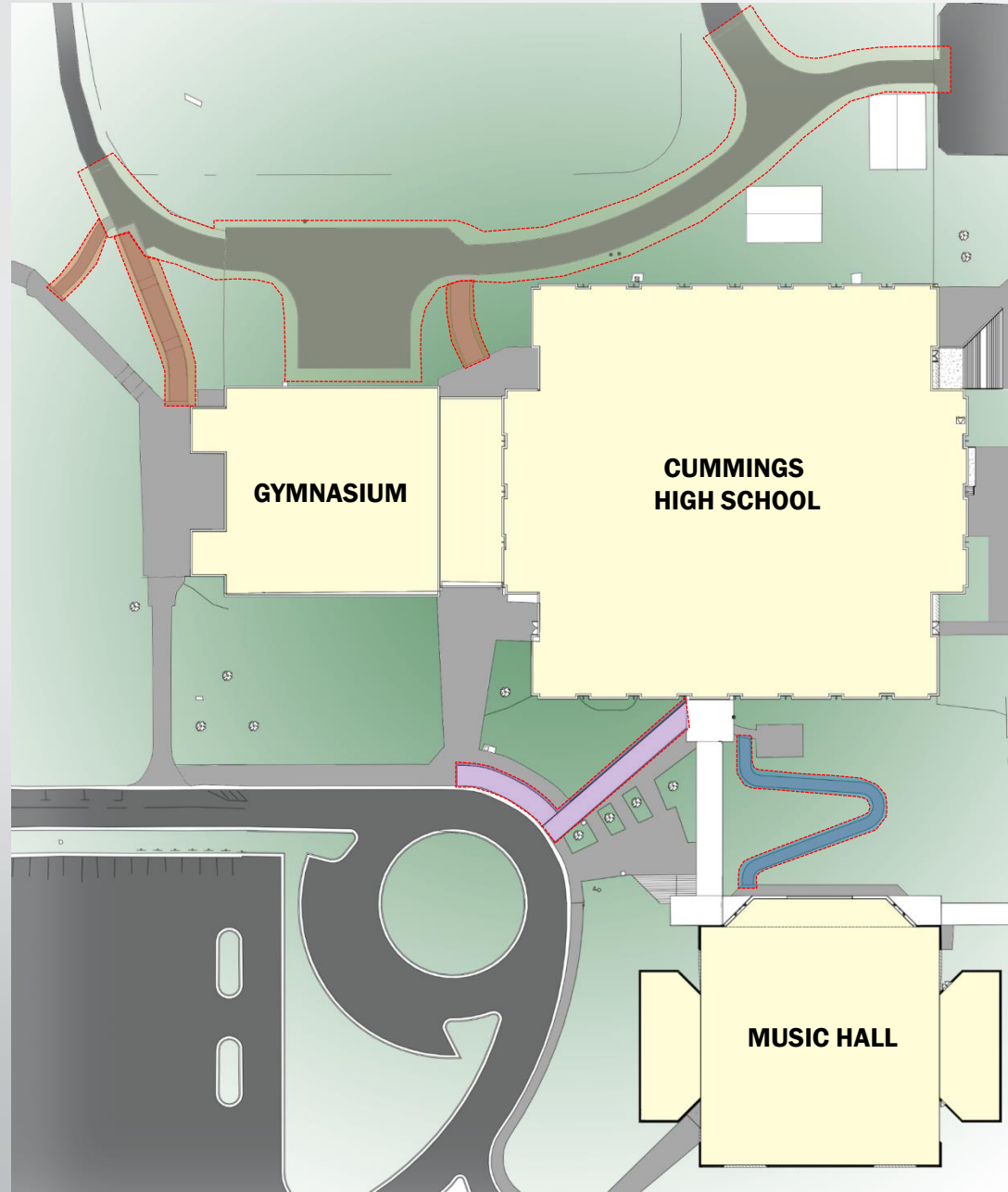
CTE LAB RENOVATIONS



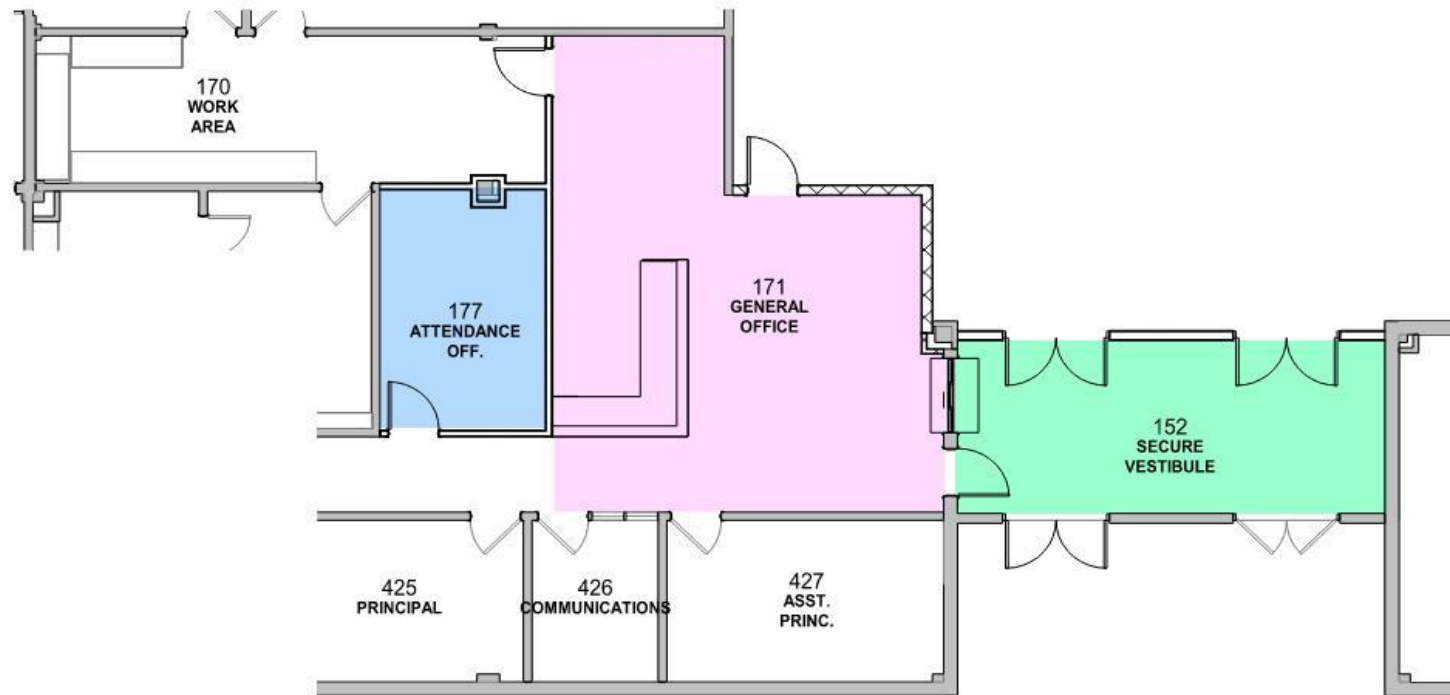
Cummings High School

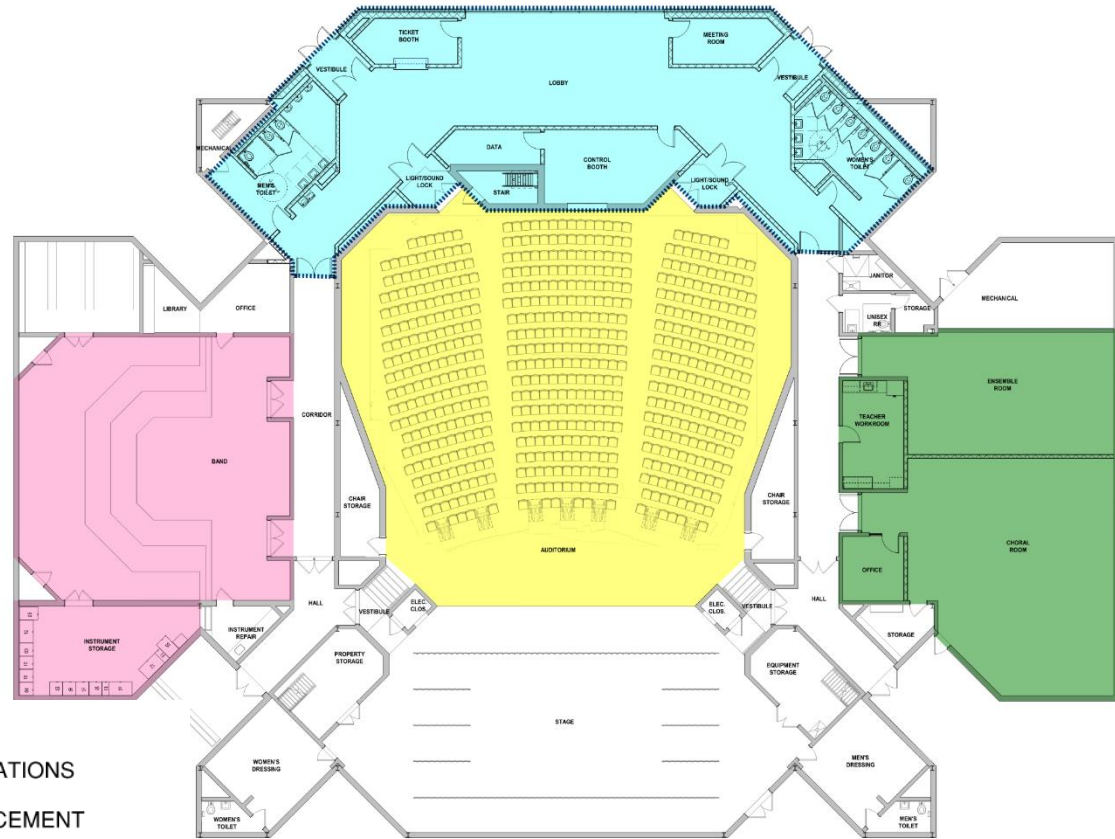
- October – Construction Document Phase
- October – BOE Final Approval of Project
- Engineers and designers have meet with administration, Career and Technical Education staff, Alamance Community College to determine needs
- Final document preparation for Bid Process

PROJECT SCOPE



ENTRANCE RENOVATION



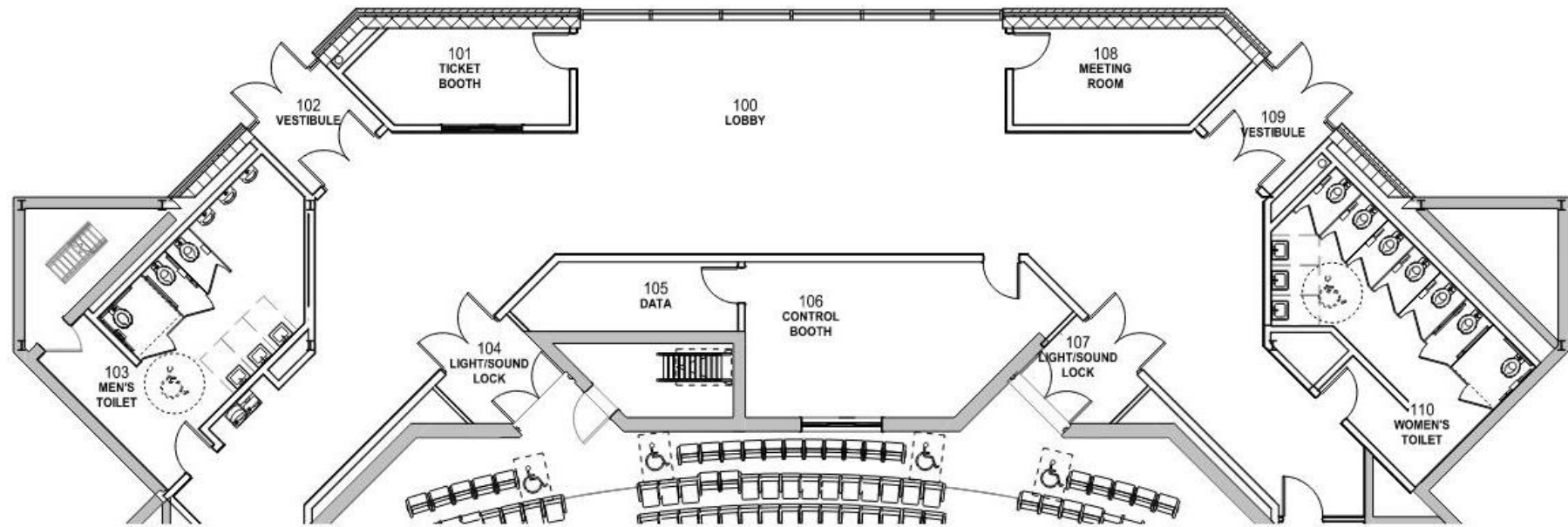


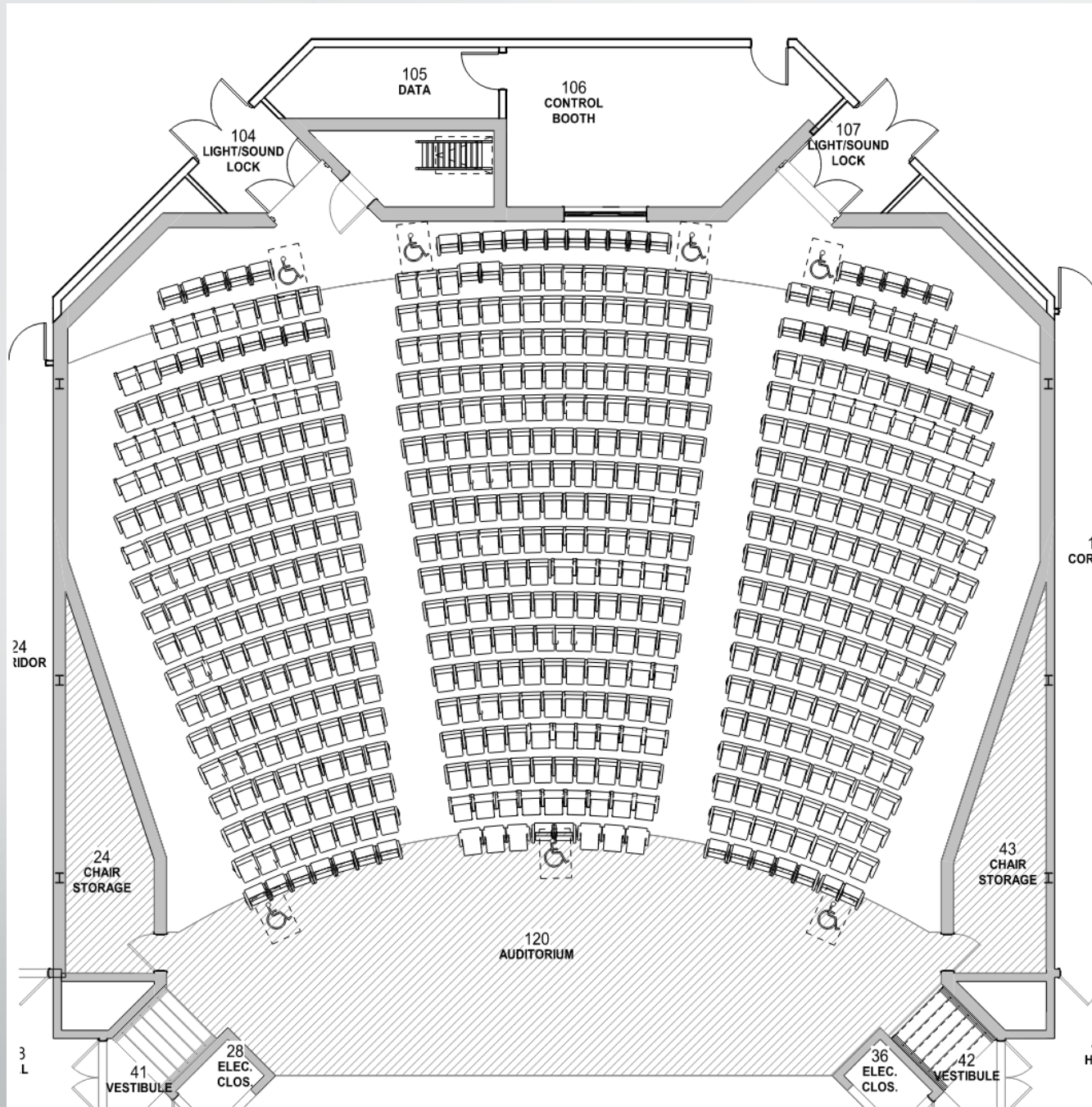
SCOPE ELEMENTS

- GROUP TOILET RENOVATIONS
- WINDOW/DOOR REPLACEMENT
- SECURITY VESTIBULE RENOVATION
- ARTS CLASSROOMS RENOVATIONS
- MUSIC HALL LOBBY ADDITION
- AUDITORIUM RENOVATION
- BAND ROOM RENOVATION
- CHORAL ROOM RENOVATION
- TECHNOLOGY UPGRADES

PROJECT SCOPE

LOBBY ADDITION





Eastern High School

- October – Construction Document Phase
- October – BOE Final Approval of Project
- Administrative Staff has provided input to determine building location, classroom needs, repurpose of space, etc.
- Presentation to the Board of Education in August
- Final Plan Approved by BOE
- Final document preparation for Bid Process

OVERALL SITE REFERENCE PLAN



CAFETERIA ADDITION	= 3340 SF
OUTDOOR COVERED DINING	1814 SF
NEW CLASSROOM BLDGS	= 6560 SF
CLSRM. TOILET RENOVATIONS	= 2216 SF
SCIENCE CLSRM/LAB RENOVATION	= 3256 SF
TOTAL	= 17186 SF

- CORRIDORS
- SCIENCE CLASSROOMS
- SCIENCE PREP ROOMS
- TOILETS
NEW & RENOVATED
- NEW SCIENCE & BIOLOGY LABS
- TEACHER WORKROOM
- CLASSROOMS
- ADMINISTRATIVE AREAS
- SUPPLY, DATA, ELECTRICAL
- NEW SIDEWALKS
- CAFETERIA ADDITION
& COVERED DINING

OVERALL SITE REFERENCE PLAN
 SCALE: 1"=30'
 DATE: 10.04.2020

SCHEMATIC DESIGN
 NOT FOR
 CONSTRUCTION

PINNACLE ARCHITECTURE
 PROFESSIONAL ASSOCIATION
 701 EAST 84th STREET, SUITE 302
 CHARLOTTE, NORTH CAROLINA 28203
 TEL: (704) 535-0000 FAX: (704) 535-0001



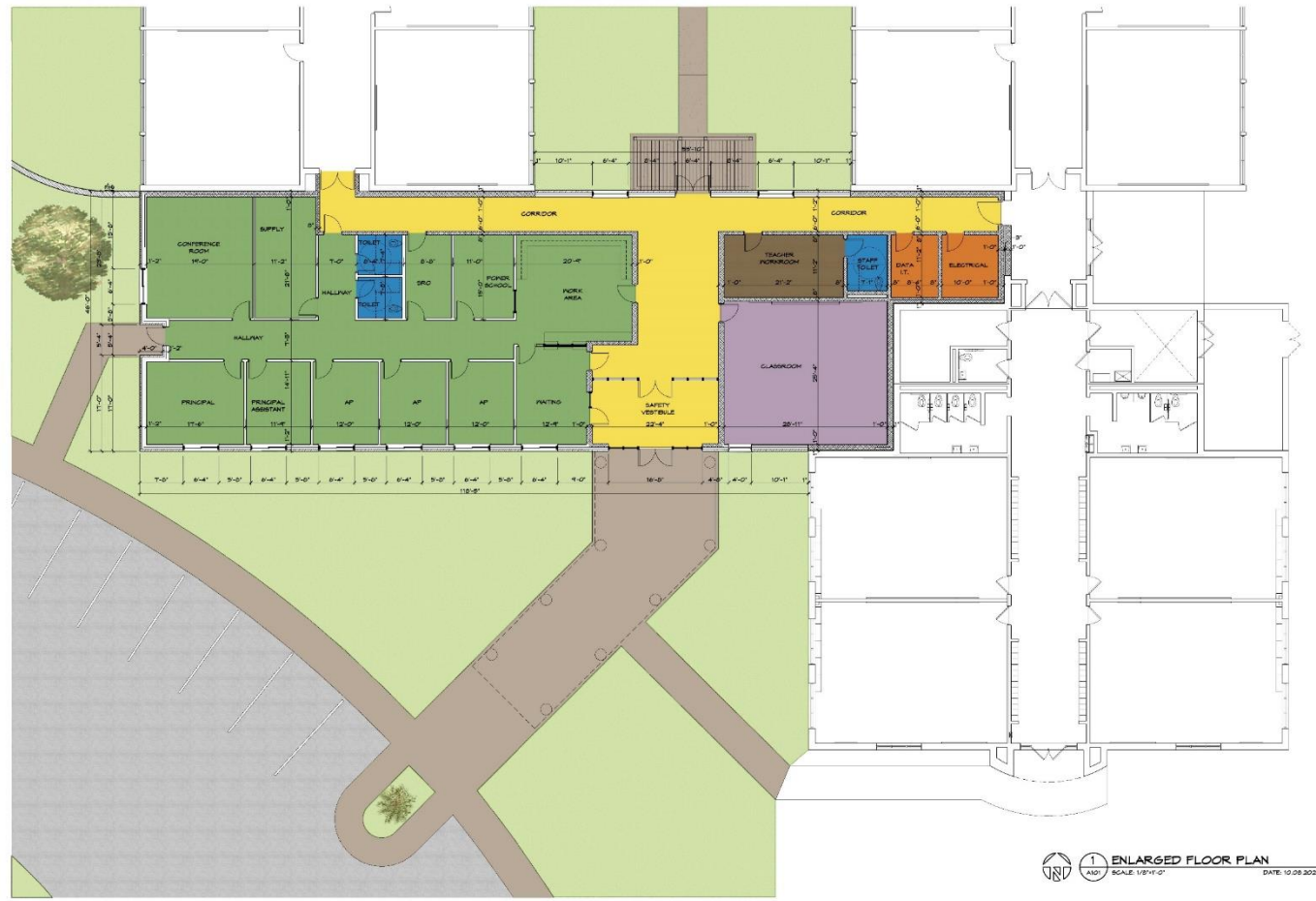
BUILD DATE: 10.04.2020
 DRAWING NO.: A100-01
 PROJECT: 1524

EASTERN ALMANCE HIGH SCHOOL
ADDITIONS & RENOVATIONS
ALMANCE COUNTY, NORTH CAROLINA
OVERALL SITE REFERENCE PLAN

REVISION SCHEDULE	DATE	REFERENCE
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SCHEMATIC FLOOR PLAN

- CORRIDORS
- ADMINISTRATIVE AREAS
- CLASSROOMS
- SUPPLY, DATA, ELECTRICAL
- TEACHER WORKROOM
- TOILETS



1 ENLARGED FLOOR PLAN
SCALE: 1/8"=1'-0"
DATE: 10.09.2020



2 FRONT ELEVATION
SCALE: 1/8"=1'-0"
DATE: 10.09.2020

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EASTERN ALAMANCE HIGH SCHOOL
ADDITIONS & RENOVATIONS
ALAMANCE COUNTY, NORTH CAROLINA
SCHEMATIC FLOOR PLAN & ELEVATION

NO.	DATE	REVISION

DRAWING NO. 2020-03-01
 DRAWING DATE: 03/01/2020
 PROJECT: 1924

PINNACLE ARCHITECTURE
PROFESSIONAL ASSOCIATION
 701 EAST BAY STREET, SUITE 102
 CHARLESTON, SOUTH CAROLINA 29403
 TEL: (803) 799-1000 FAX: (803) 799-1001



SCHEMATIC DESIGN
 NOT FOR
 CONSTRUCTION

Western High School

- Currently in Design Development
- November Final Board Presentation
- Administrative Staff has provided input to determine building location, classroom needs, repurpose of space, etc.
- Final approval of design by BOE
- Final document preparation for Bid Process

OVERALL SITE REFERENCE PLAN



PINNACLE ARCHITECTURE PROFESSIONAL ASSOCIATION
 101 EAST BAY STREET, SUITE 302
 CHARLOTTE, NORTH CAROLINA 28202
 TEL: 704.375.1000 FAX: 704.375.1001
 WWW.PINNACLEARCHITECTURE.COM

WESTERN ALAMANCE HIGH SCHOOL
 ADDITIONS & RENOVATIONS
 ALAMANCE COUNTY, NORTH CAROLINA
 OVERALL SITE REFERENCE PLAN

RELEASE: 10.09.2020
 DRAWN BY: S. HARRIS
 PROJECT: 1023

REVISION SCHEDULE
 1. REFERENCE

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A100

Williams High School

- Currently in Design Development Phase
- October Final Presentation to the BOE
- Presentation of Schematic Design to Walter Williams High School staff on August 6, 2020
- Board of Education Schematic Design presentation to the Board of Education on August 11, 2020.
- Complete study of the facility by the Architects and Engineers
- Final design approval by BOE
- Final document preparation for Bid Process

WALTER M. WILLIAMS HIGH SCHOOL
 PROPOSED BOND PROJECT
 SCOPE & BUDGET OVERVIEW
 GROUND FLOOR

BID LEGEND

- BASE BID
- ALTERNATE BID NO. 1
- ALTERNATE BID NO. 2
- ALTERNATE BID NO. 3

SUMMARY OF WORK BY BID AND ALTERNATES

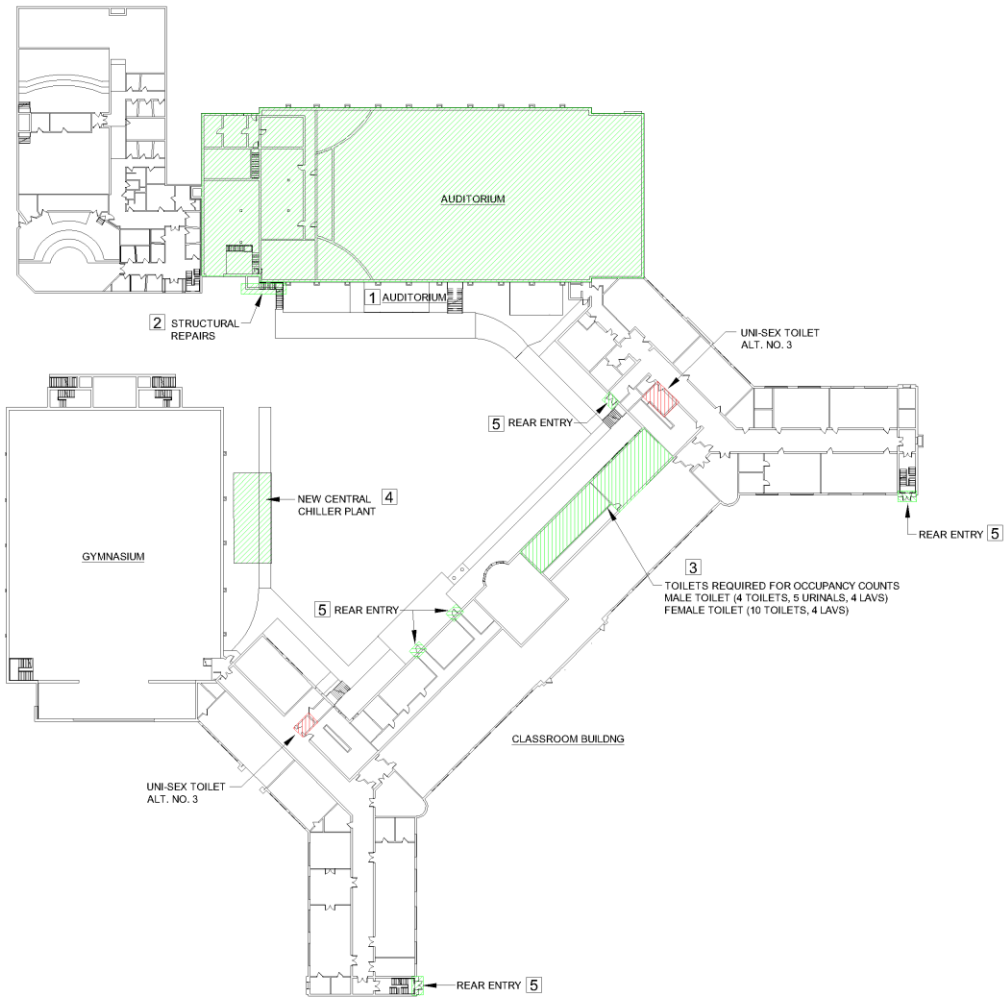
BASE BID

1. Auditorium Upgrades
 - A. Architectural
 - Toilet Upgrade/Expansion Required for Occupancy Counts (Fixtures & Finishes)
 - Flooring
 - Seating (Refurbish)
 - B. HVAC - Replace DX systems with Chilled/Hot Water Air Handling Units
 - C. Plumbing - Toilet Upgrades
 - D. Electrical
 - House Lighting
 - Service Panels & Feeders
 - E. Fire Alarm

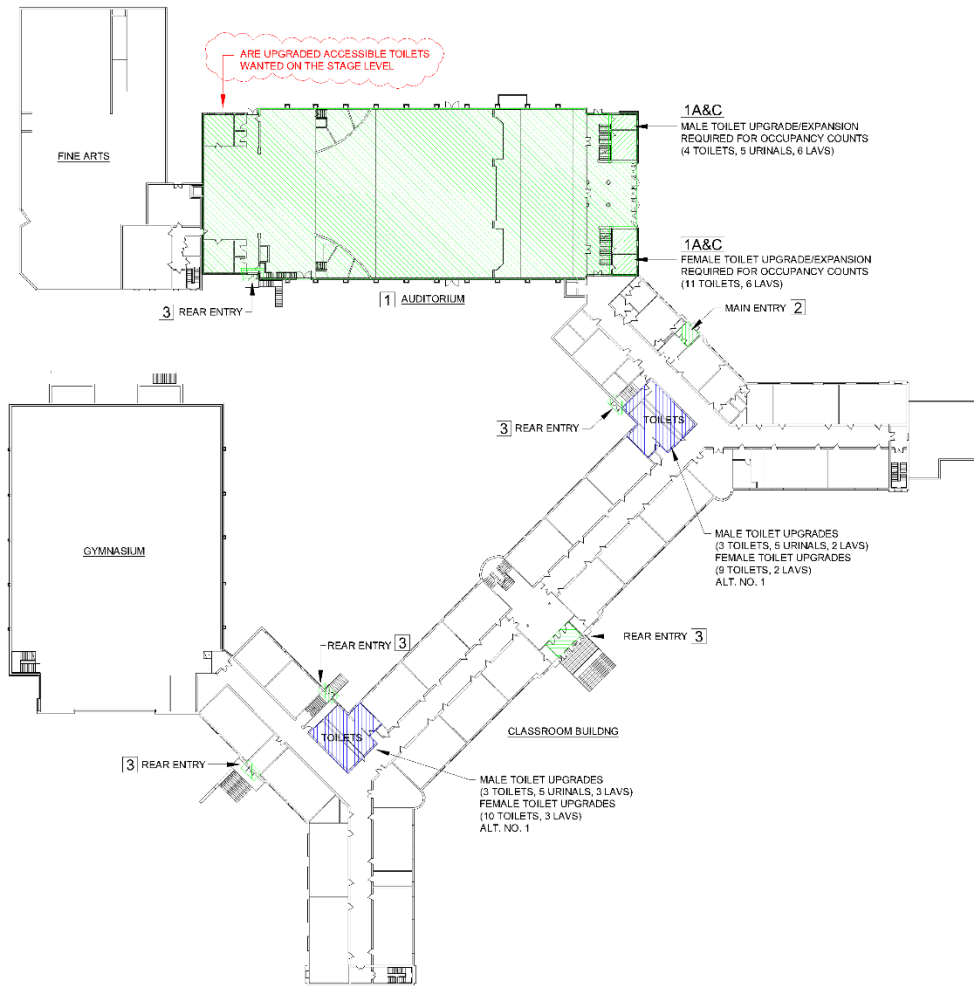
2. Structural Repairs
3. Ground Floor Toilets Required for Occupancy Counts (Fixtures & Finishes)
4. Central Chiller Plant
5. Rear Entry Points - Electronic Access Control

ALTERNATE BID NO. 3

- Ground Floor Uni-sex Toilet Upgrades (Fixtures & Finishes)
- Architectural
 - Plumbing



WILLIAMS HIGH SCHOOL - GROUND FLOOR



WILLIAMS HIGH SCHOOL - MAIN FLOOR

WALTER M. WILLIAMS HIGH SCHOOL
 PROPOSED BOND PROJECT
 SCOPE & BUDGET OVERVIEW
 MAIN FLOOR

BID LEGEND

- BASE BID
- ALTERNATE BID NO. 1
- ALTERNATE BID NO. 2
- ALTERNATE BID NO. 3

SUMMARY OF WORK BY BID AND ALTERNATES

BASE BID

1. Auditorium Upgrades
 - A. Architectural
 - Toilet Upgrade/Expansion Required for Occupancy Counts (Fixtures & Finishes)
 - Flooring
 - Seating (Refurbish)
 - B. HVAC - Replace DX Systems with Chilled/Hot Water Air Handling Units
 - C. Plumbing - Toilet Upgrades
 - D. Electrical
 - House Lighting
 - Service Panels & Feeders
 - E. Fire Alarm

2. Main Entrance - Security Control Area

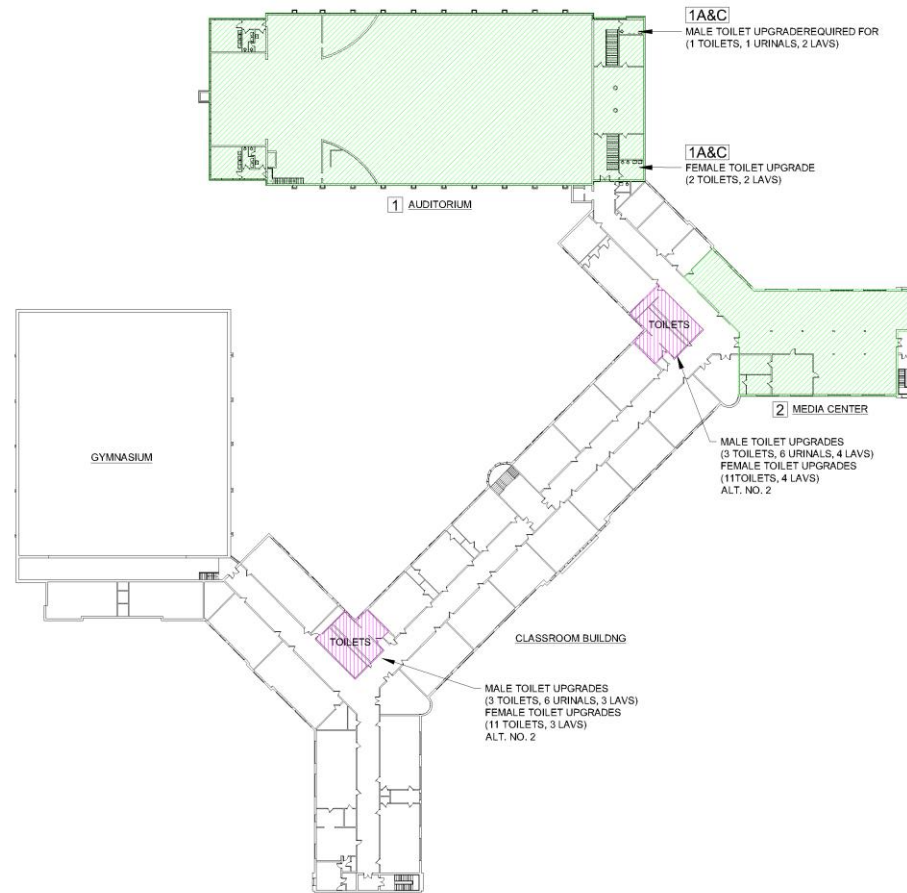
3. Rear Entry Points - Electronic Access Control

ALTERNATE BID NO. 1

Main Floor Toilet Upgrades (Fixtures & Finishes)

- Architectural
- Plumbing

WALTER M. WILLIAMS HIGH SCHOOL
 PROPOSED BOND PROJECT
 SCOPE & BUDGET OVERVIEW
 SECOND FLOOR



WILLIAMS HIGH SCHOOL - SECOND FLOOR

BID LEGEND

- BASE BID
- ALTERNATE BID NO. 1
- ALTERNATE BID NO. 2
- ALTERNATE BID NO. 3

SUMMARY OF WORK BY BID AND ALTERNATES

BASE BID

1. Auditorium Upgrades

A. Architectural

- Toilet Upgrade/Expansion Required for Occupancy Counts (Fixtures & Finishes)
- Flooring
- Seating (Refurbish)

B. HVAC - Replac DX Systems with Chilled/Hot Water Air Handling Units

C. Plumbing - Toilet Upgrades

D. Electrical

- House Lighting
- Service Panels & Feeders

E. Fire Alarm

2. Media Center - Architectural Upgrades

- Demolish Existing Carpet
- New LVT Floor Tiles and New Rubber Base (Owner's Preference Over New Carpet)
- New Acoustical Wall Panels and/or Acoustical Panels Suspended from the Ceiling

ALTERNATE BID NO. 2

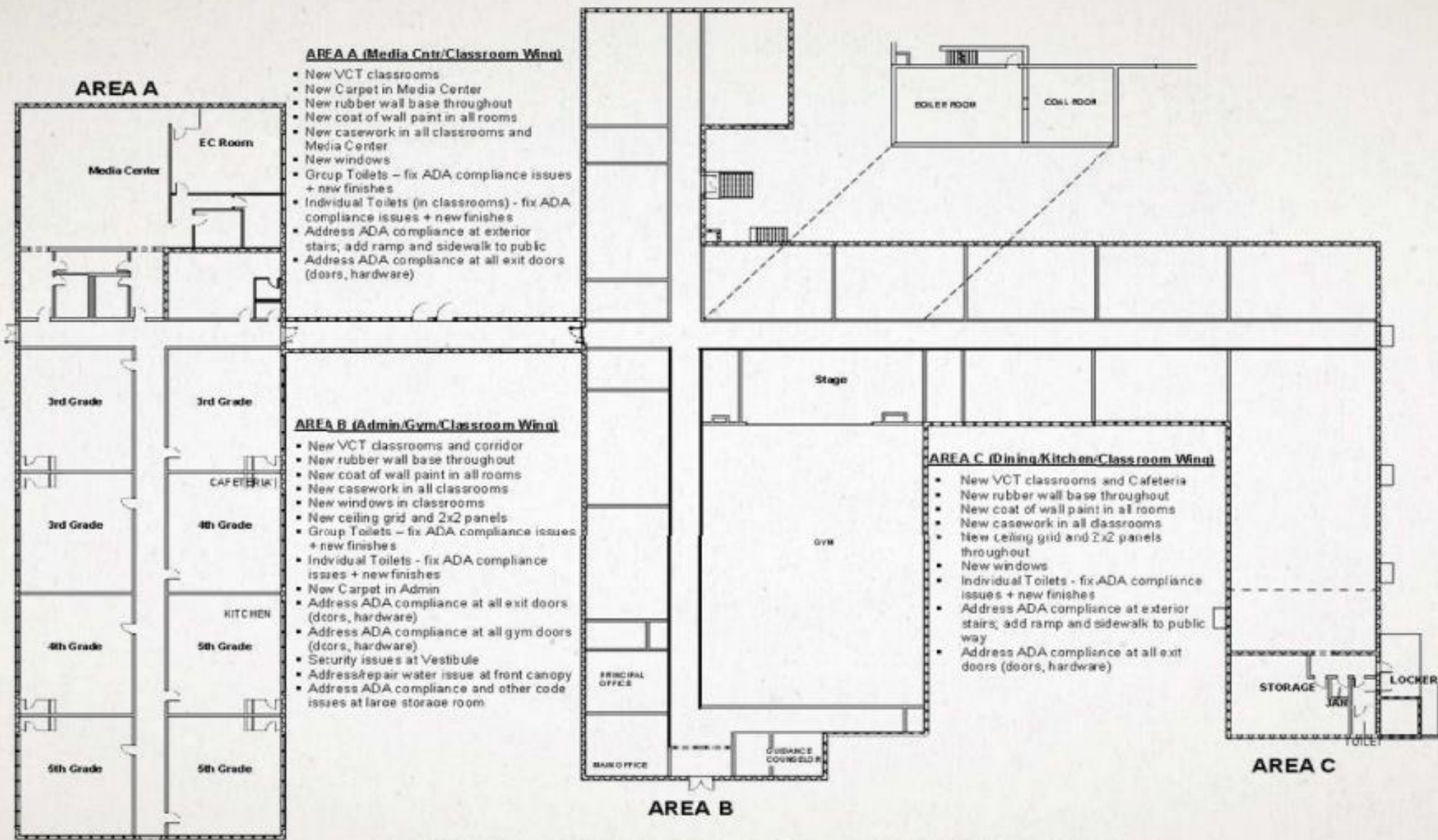
Upper Floor Toilet Upgrades (Fixtures & Finishes)

- Architectural
- Plumbing



Pleasant Grove Elementary

- Engineers and Architects have completed site evaluations
- Input from school personnel
- October presentation to BOE
- Final design approval by BOE
- Final document preparation for Bid Process



AREA A (Media Cntr/Classroom Wing)

- New VCT classrooms
- New Carpet in Media Center
- New rubber wall base throughout
- New coat of wall paint in all rooms
- New casework in all classrooms and Media Center
- New windows
- Group Toilets – fix ADA compliance issues + new finishes
- Individual Toilets (in classrooms) - fix ADA compliance issues + new finishes
- Address ADA compliance at exterior stairs; add ramp and sidewalk to public
- Address ADA compliance at all exit doors (doors, hardware)

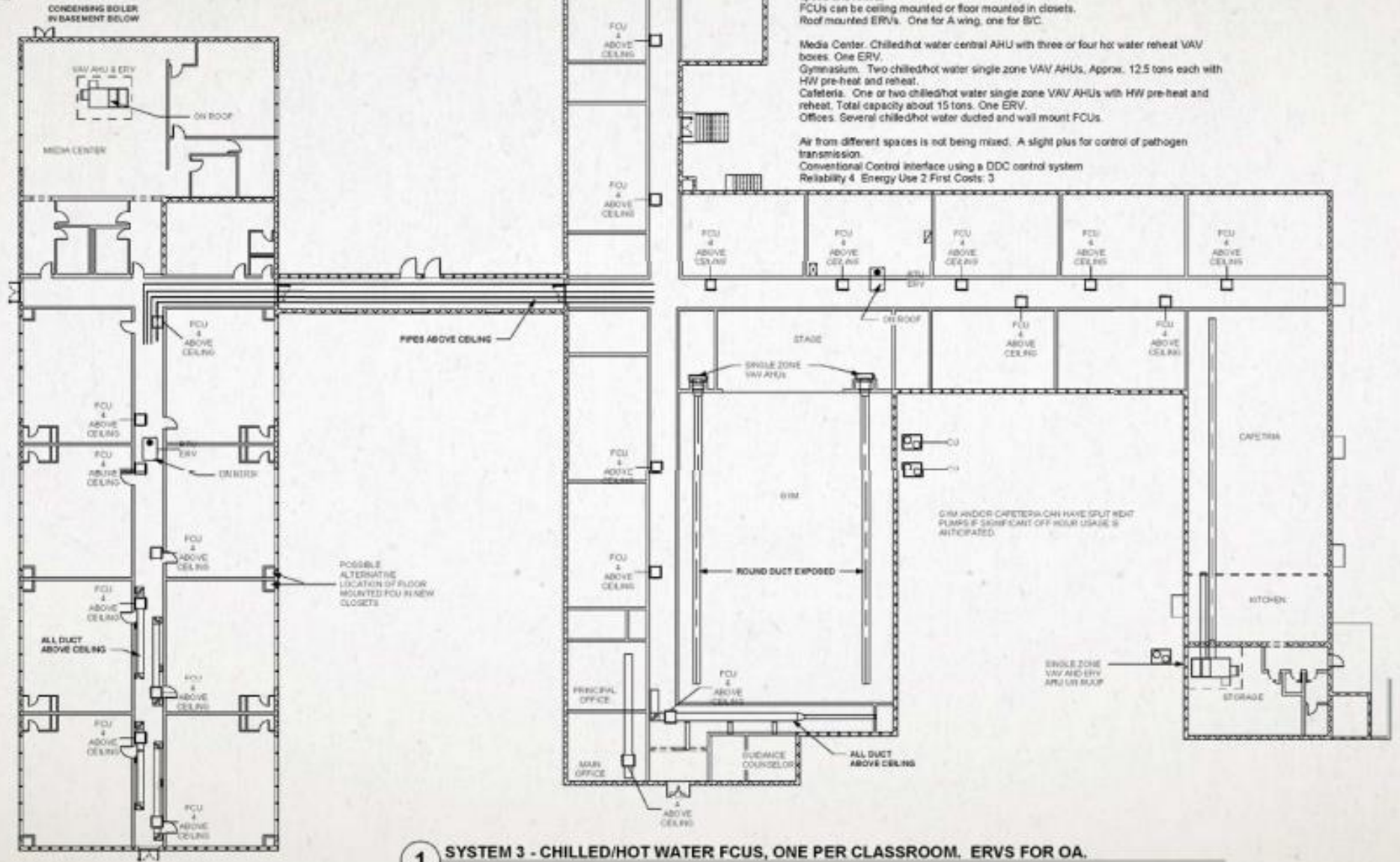
AREA B (Admin/Gym/Classroom Wing)

- New VCT classrooms and corridor
- New rubber wall base throughout
- New coat of wall paint in all rooms
- New casework in all classrooms
- New windows in classrooms
- New ceiling grid and 2x2 panels
- Group Toilets – fix ADA compliance issues + new finishes
- Individual Toilets - fix ADA compliance issues + new finishes
- New Carpet in Admin
- Address ADA compliance at all exit doors (doors, hardware)
- Address ADA compliance at all gym doors (doors, hardware)
- Security issues at Vestibule
- Address/repair water issue at front canopy
- Address ADA compliance and other code issues at large storage room.

AREA C (Dining/Kitchen/Class room Wing)

- New VCT classrooms and Cafeteria
- New rubber wall base throughout
- New coat of wall paint in all rooms
- New casework in all classrooms
- New ceiling grid and 2x2 panels throughout
- New windows
- Individual Toilets - fix ADA compliance issues + new finishes
- Address ADA compliance at exterior stairs; add ramp and sidewalk to public way
- Address ADA compliance at all exit doors (doors, hardware)

PLEASANT GROVE ELEMENTARY SCHOOL - ARCHITECTURAL UPGRADES



System 3. Chilled/Hot Water FCUs, One per Classroom. ERVs for OA. Propane boiler and air-cooled packaged chiller.

20 Classrooms, each with a ducted four pipe chilled/hot water FCUs with variable fan speed and reheat. FCUs can be ceiling mounted or floor mounted in closets. Roof mounted ERVs. One for A wing, one for B/C.

Media Center. Chilled/hot water central AHU with three or four hot water reheat VAV boxes. One ERV.
 Gymnasium. Two chilled/hot water single zone VAV AHUs, Approx. 12.5 tons each with HW pre-heat and reheat.
 Cafeteria. One or two chilled/hot water single zone VAV AHUs with HW pre-heat and reheat. Total capacity about 15 tons. One ERV.
 Offices. Several chilled/hot water ducted and wall mount FCUs.

Air from different spaces is not being mixed. A slight plus for control of pathogen transmission.
 Conventional Control interface using a DDC control system
 Reliability 4 Energy Use 2 First Costs: 3

1 SYSTEM 3 - CHILLED/HOT WATER FCUS, ONE PER CLASSROOM. ERVS FOR OA.

PLEASANT GROVE ELEMENTARY



Project Includes Significant Engineering Upgrades:

- Consolidate Multiple Electrical Services.
- Replace Outdated and Convoluted Electrical Distribution System.
- HVAC Upgrade
- Lighting Upgrade
- Fire Alarm Upgrade





ROOFING

Eastlawn Elementary School - Completed



Graham Middle School - In Progress



Western High School - In Progress



Sellars Gunn - In Progress



Future Project Graham High School



Future Project -Woodlawn Middle School



Future Project - Western High School





SAFETY VESTIBULES

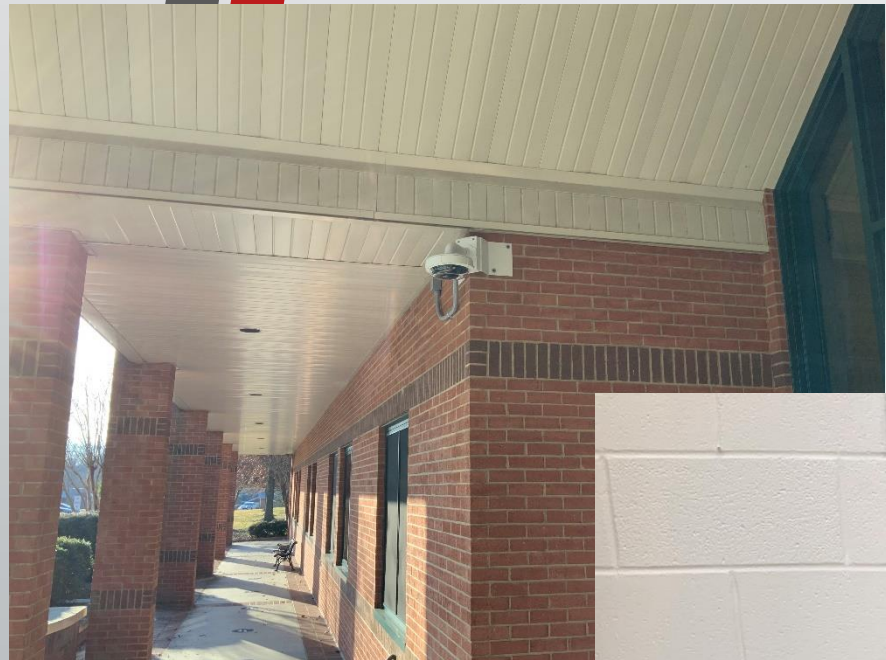
Smith Elementary School



Smith Elementary School



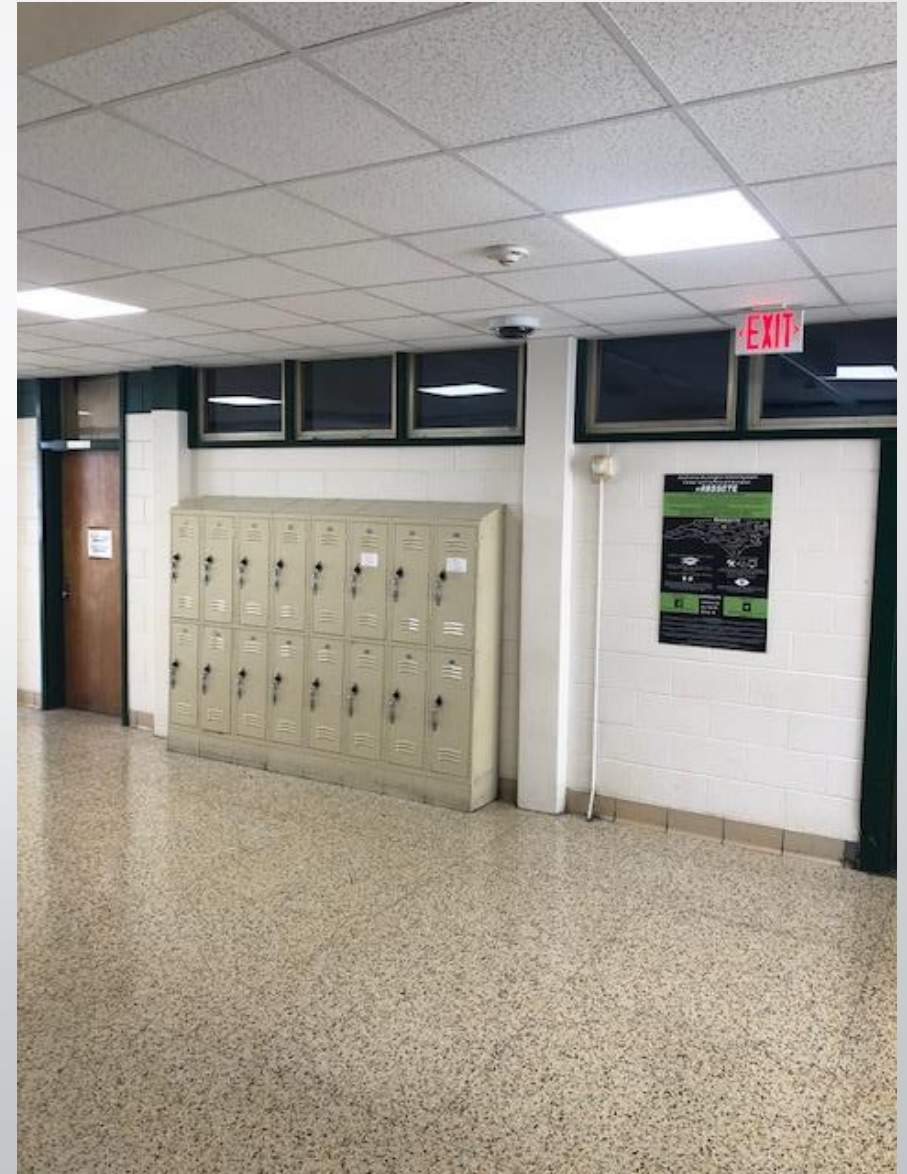
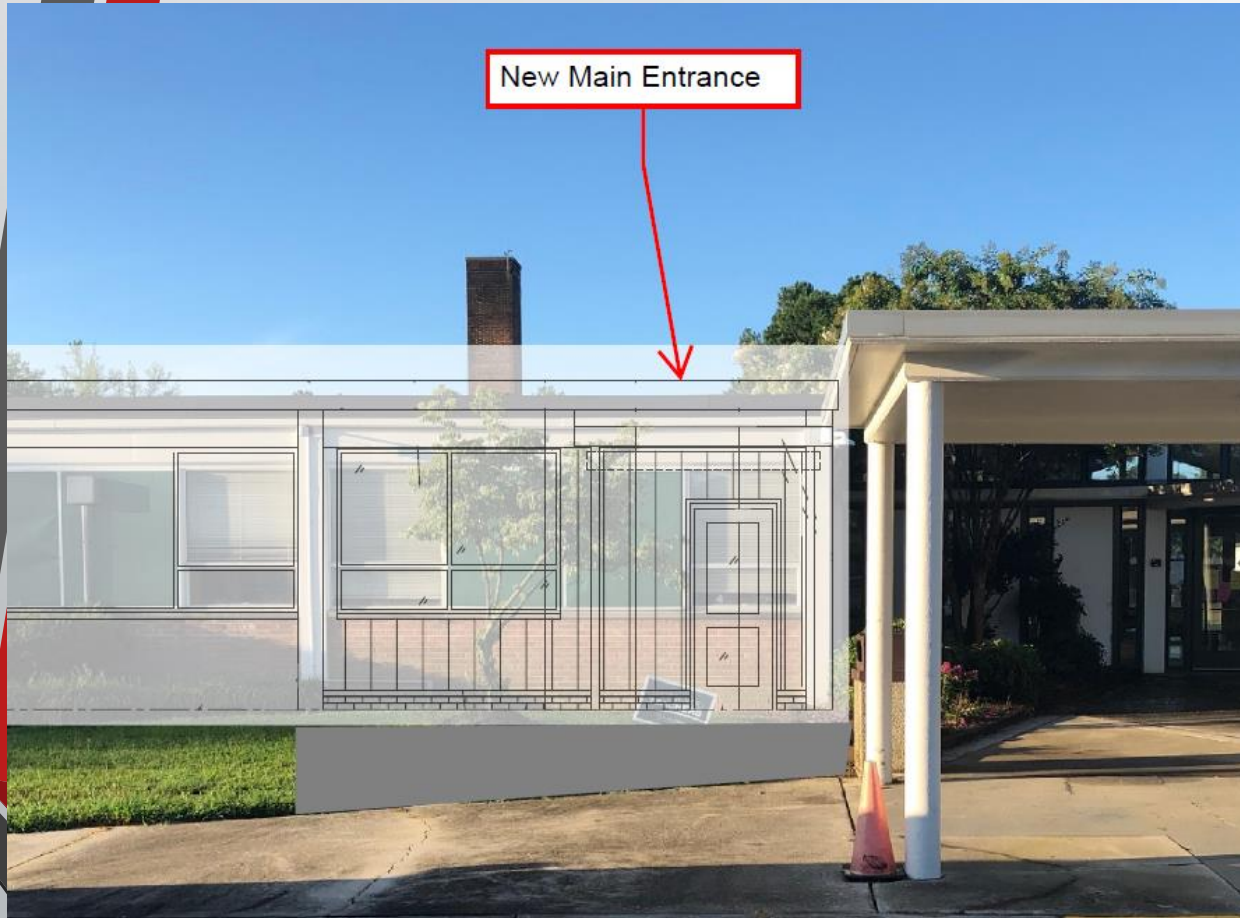
Hillcrest Elementary School



Highland Elementary School



Turrentine Middle Safety



Grove Park Safety



Graham Middle Cameras



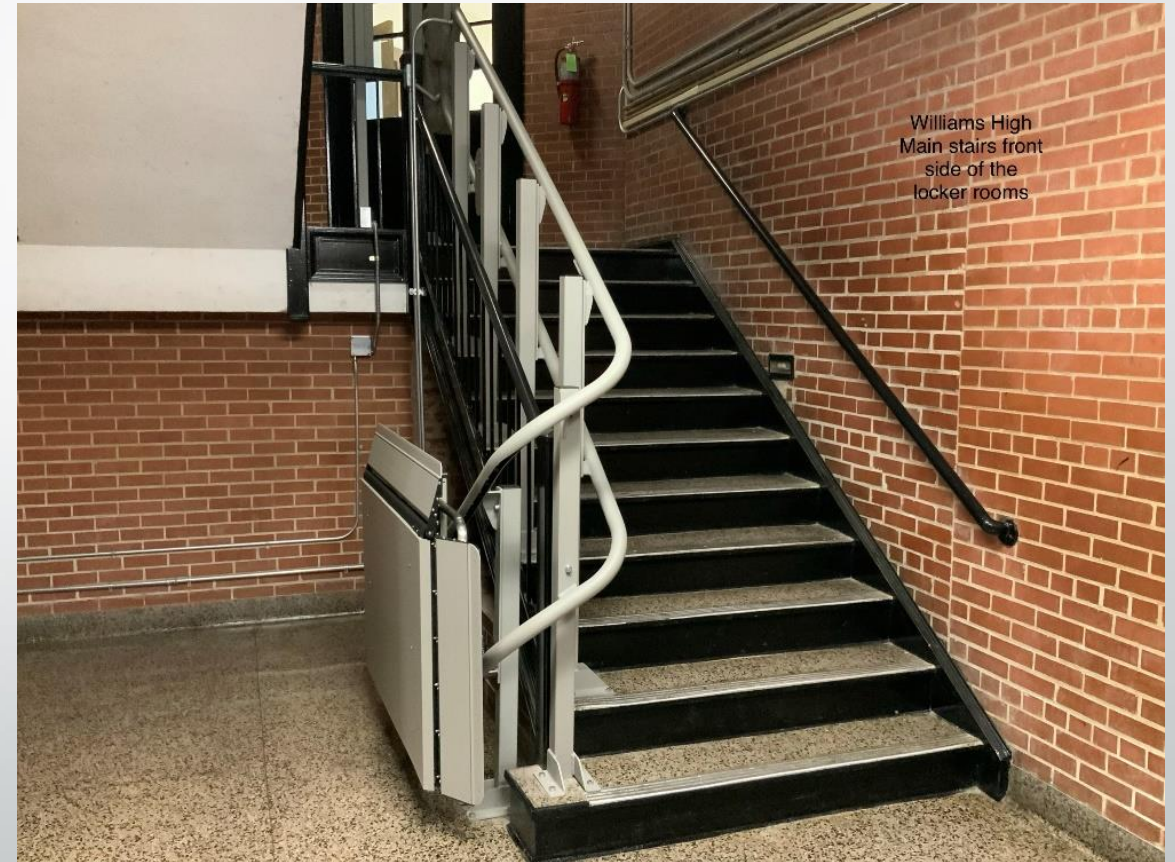


ADA COMPLIANCE

Graham High School



Williams High School



Southern High School



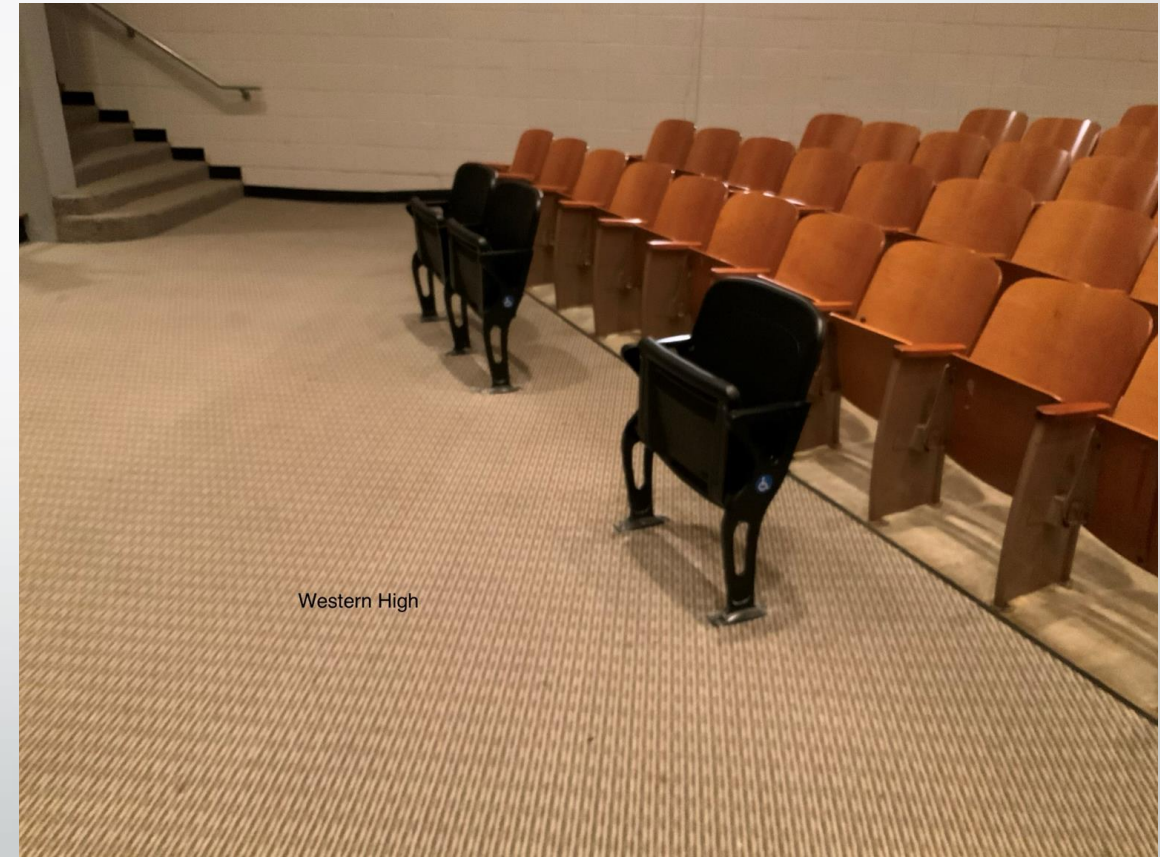
Southern High School



All High Schools



All High Schools



All High Schools



All High Schools



Southern High Office parking



Southern High front student parking



Southern High student parking at stadium

All High Schools



All High Schools



Cummins

Multiple Schools



Multiple Schools



All High Schools





ADDITIONAL PROJECTS

COVID Preparations



Multiple Schools



Cummings High School



Painting

- Garrett Elementary School
- Hawfields Middle School
- Hillcrest Elementary School
- Smith Elementary School
- Williams High School



