



Strasburg School District 31J

Strasburg Elementary School

Programming/Conceptual Design

Design Advisory Group #1

January 14, 2021



Meeting Agenda

1. Agenda / Attendance Sheet – 2 minutes
2. Introductions - 10 minutes
3. DAG Guidelines / Meeting Norms – 5 minutes
4. Project Overview – Scope / Budget– 25 minutes
5. Project Schedule
6. Program Overview
7. Program layout Options
8. Site Traffic Options



Introductions

RTA's Educational Experience

Colorado based Architectural firm established in 1975

Expertise in Multiple Markets

Multi-Skilled

- Site Selection
- Master Planning
- Programming
- Educational Specifications
- Architectural Design
- Interior Design
- Furniture Design and Selection
- Facility Management Planning
- Project Management
- Bond Election Assistance
- Construction Administration

Sustainable Design

- 6 LEED® APs on Staff

Educational Facilities Specialists

- Early Childhood Education through High School

Educational Projects to Date

- 50 percent of our annual work is educational
- 14 Educational Master Plans
- 52 Additions/Alterations to K–12 Schools
- 10 New Elementary/K–8 Schools
- 4 New Preschools
- 3 New High Schools
- Over \$700,000,000 of educational projects completed in the last 10 years

Recognition

- Local, Regional, and National Awards — 25
- Our Greatest Reward: Repeat Clients — Over 90%

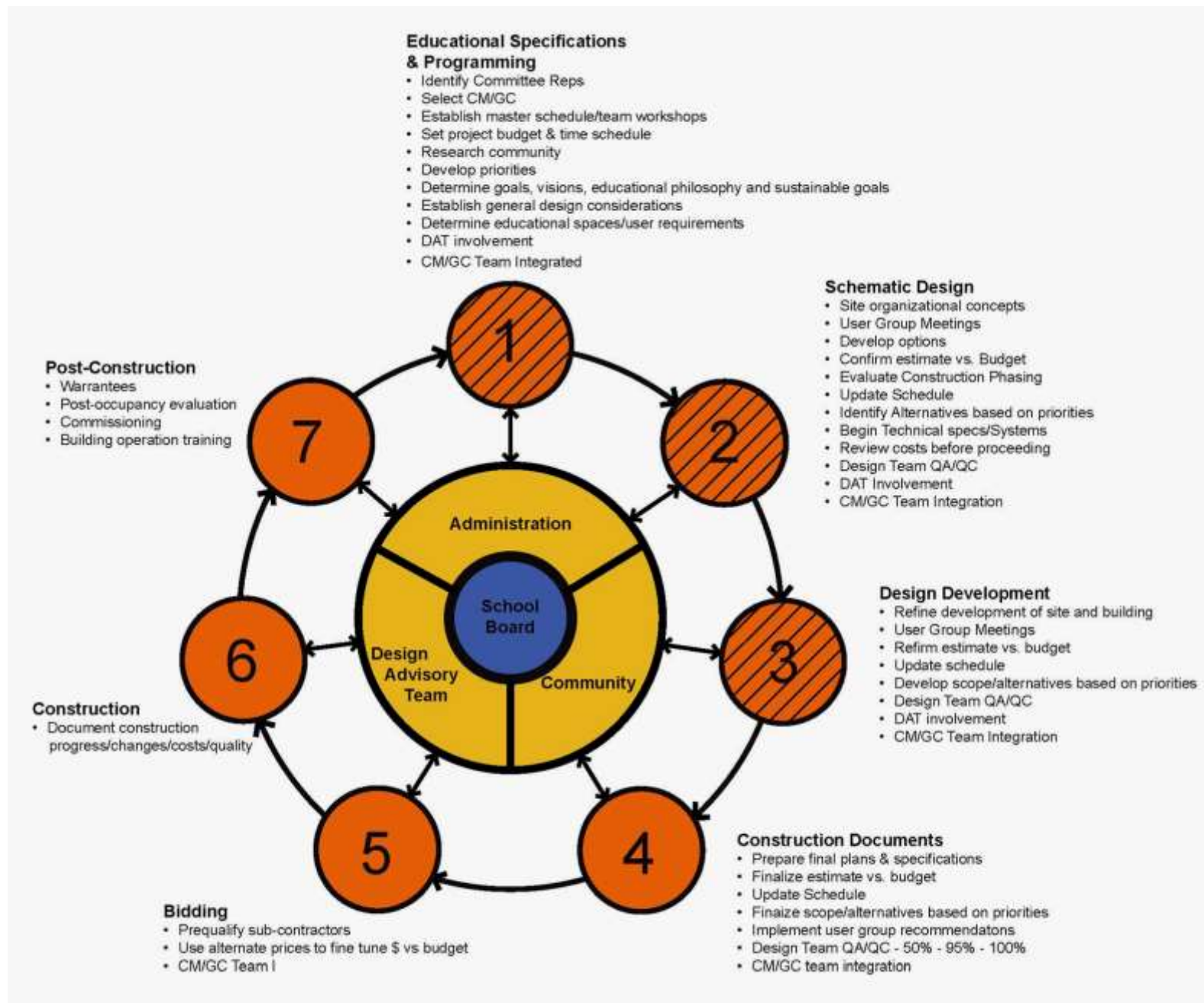


DAG Guidelines

Design Advisory Group Roles and Responsibilities

The DAG's role is advisory in nature. The DAG is not the client or the owner's representative. As the primary users of the building, the DAG members have the most knowledgeable perspective on how the building needs to function. The DAG helps the project architect understand the users' needs to enable the architect to design a building to support those needs.

- Represent the school community.
- Provide critical input and assist in the development of the project through schematic design and design development.
- Communicate process to students, staff, parents, and community
- Seek feedback and communicate to back to DAG.



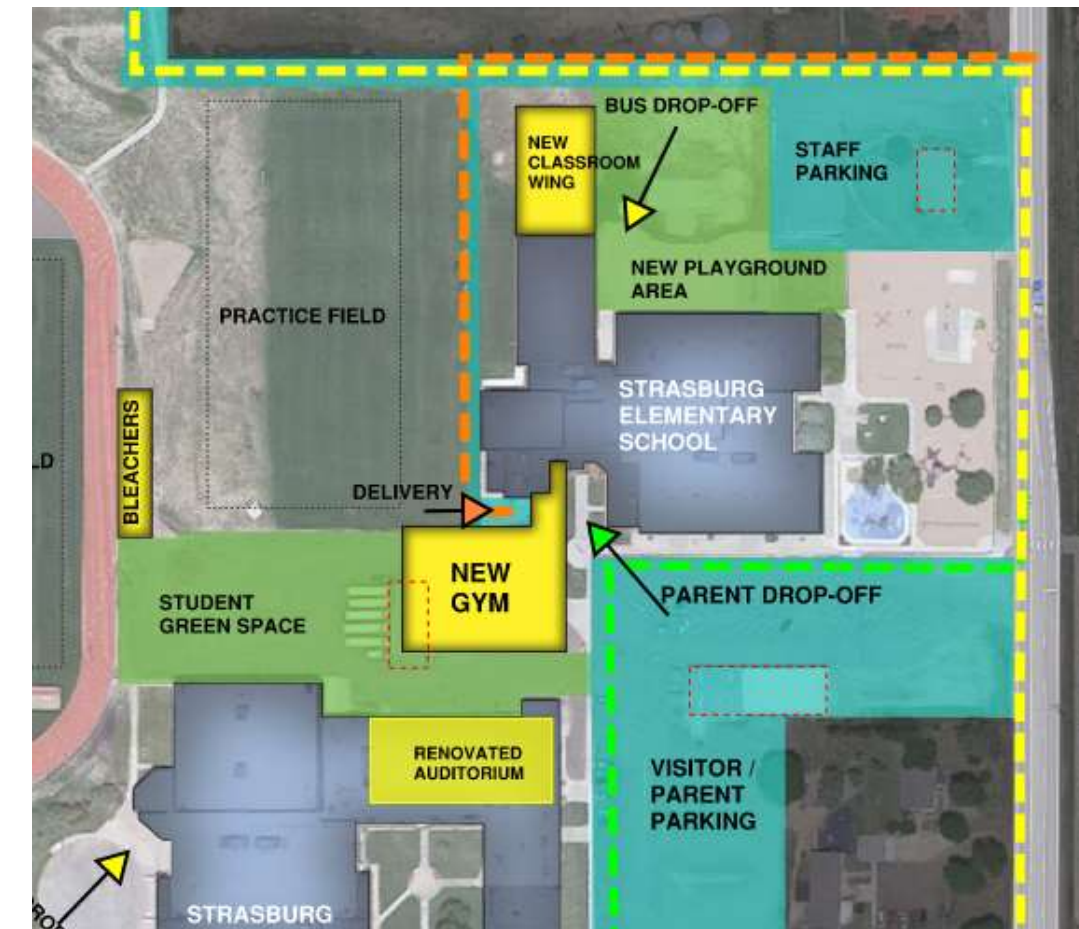
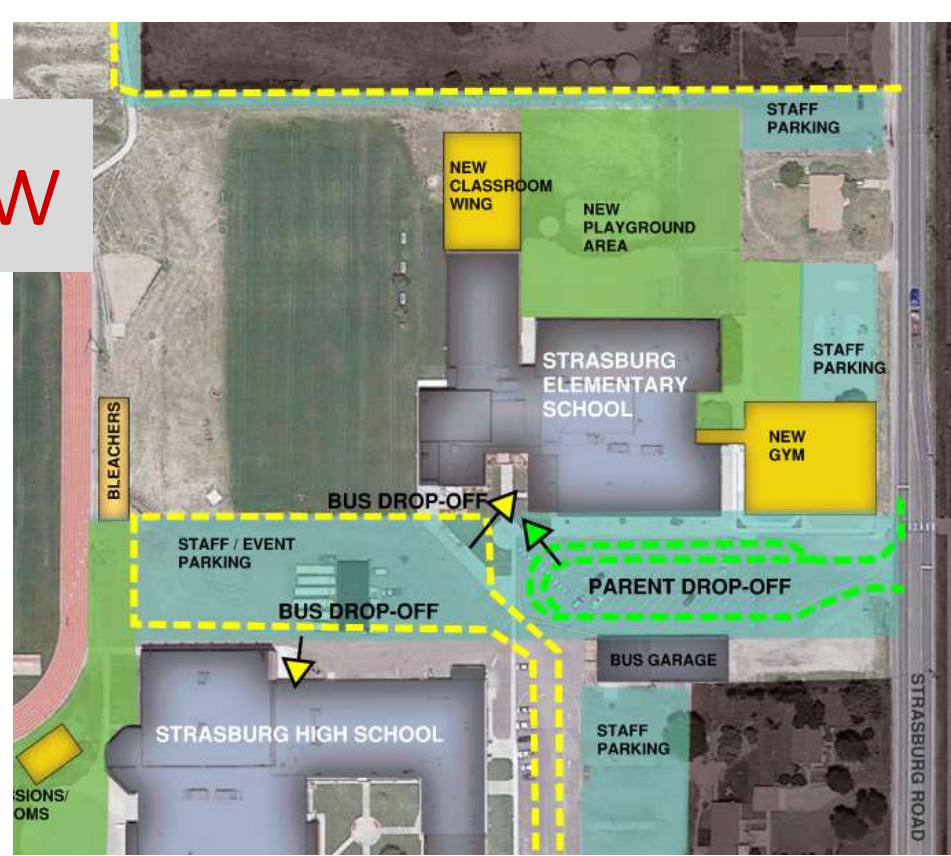
DAG Meeting Norms

- Attendance is expected at all scheduled meetings.
- The meetings will start and end on time with duration of **1 hour** (typical).
- Group members should be on time and expect to remain for the entire meeting.
- The purpose of each meeting will be defined; members are requested to come prepared to discuss the topic.
- **The students' interests come first.**
- Committee members will operate and work towards consensus on all issues. All agree to support the solutions and decisions of the group.
- Committee members are requested to focus on solutions that address the needs of Nederland Elementary School as a whole.
- Discussion, evaluation, and decisions will be research and data based guided by BVSD's mission statement.
- Minutes of each meeting will be distributed by email within one week of meeting date.
- All members are to speak up in an open forum- all points of view will be heard and valued.
- All participants will be treated with mutual respect.
- Members of the committees will operate on a first name basis.



Project Overview

Screenshots from Masterplan Options 04.19.2019

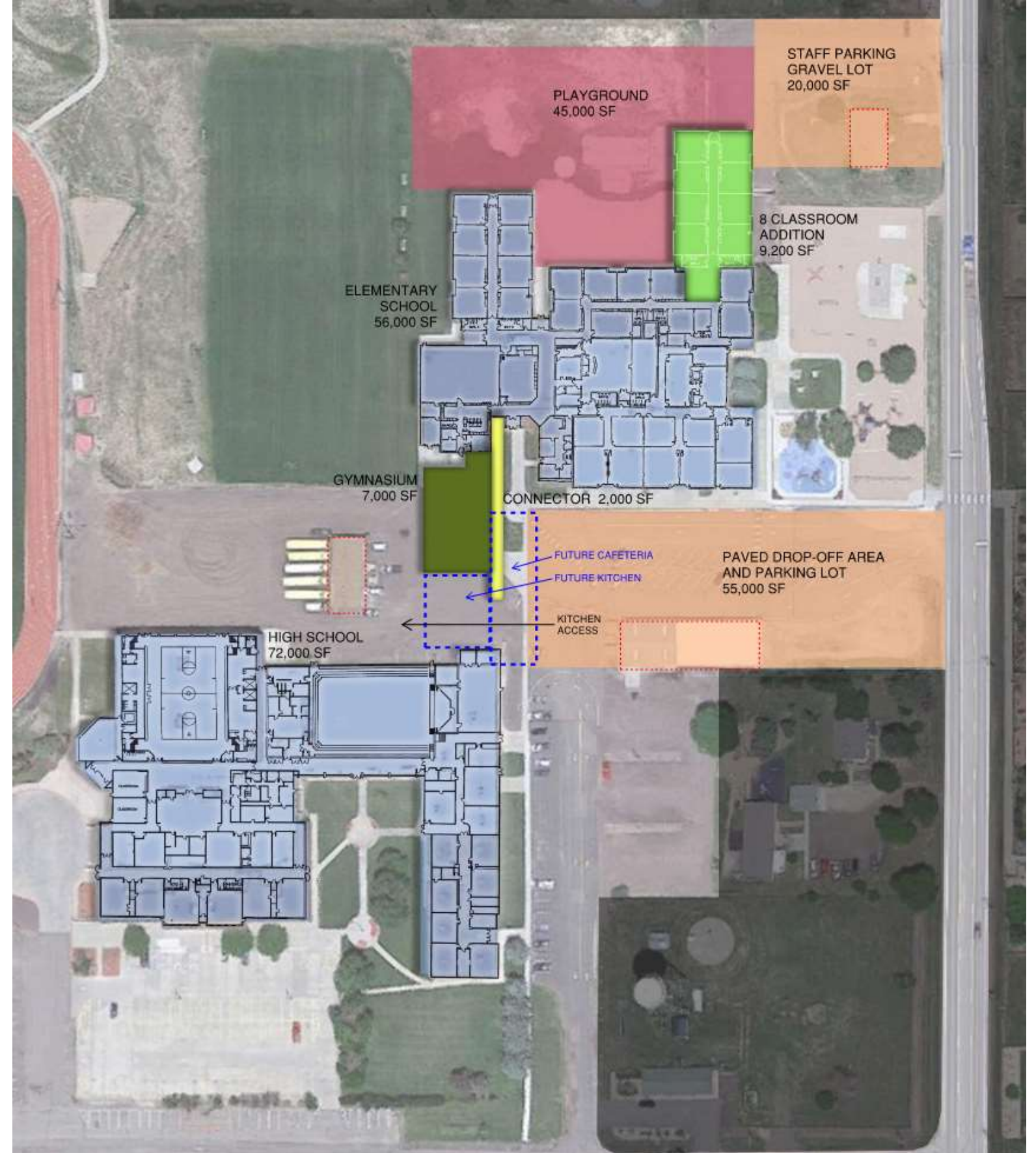


Project Overview

Excerpt from Selected Masterplan Option B 07.28.2020 →

Masterplan Scope of Work: Strasburg Elementary School

- Build 8 elementary school classrooms (9,200 sf Addition)
- Add 45,000 sf playground area for grades 2-5
- 55,000 sf of paving to create safe bus and parent drop off areas
- 50,000 sf of gravel parking area for staff and visitors
- Build a shared gymnasium for elementary school and high school students
- Improve security with corridor connection



Project Overview

Budget

Site and Building Demolition	\$ 113,400
Site Construction	
Staff Parking Lot	\$ 80,000
Bus Drop Off and Parking Lots	\$ 564,000
Playground	\$ <u>520,000</u>
Site sub-total:	\$1,164,000.00
Building Construction	
Classroom Addition / Renovation Area	\$3,650,000
Gymnasium	\$2,100,000
Improve HS Connection	\$ <u>300,000</u>
Building sub-total:	\$6,050,000.00
Direct Cost of Construction	\$7,327,400.00



Project Schedule

Schedule

Schematic Design Phase	November 2020 – February 2021
Design Development Phase	February 2021 – April 2021
Construction Documents Phase	April 2021 – June 2021
Bidding	June 2021 – July 2021
Construction	August 2021 – June 2022



Demographics Data

Strasburg School District 31J - School Capacities						
Elementary School	Room Count	Scheduled	Room Loading	Subtotal	Efficiency Factor	Capacity
Regular Classrooms	19	19	23	437	92%	402
Reading Rec	1	0		0	92%	0
Title I	1	0		0	92%	0
SPED Resource	2	0		0	92%	0
SPED Centered	1	0		0	92%	0
Preschool AM/PM	1	2	18	36	100%	36
BOCES AM/PM	1	2	18	36	100%	36
Art	1	0		0	92%	0
Music on Stage	1	0		0	92%	0
Computer	1	0		0	92%	0
SPED Half Room	1	0		0	92%	0
Book Room	1	0		0	92%	0
K-5 Total	31	23				474



Demographic Data

Strasburg School District 31J - Seat Availability - 2019 - 2026

Year	Grd PK-5	ES Cap	ES Seats Avail		Grd 6-8	MS Cap	MS Seats Avail		Grd 9-12	HS Cap	HS Seats Avail
2019	508	474	-34		263	274	11		324	446	122
2020	528	474	-54		267	274	8		321	446	125
2021	538	474	-64		273	274	1		338	446	109
2022	552	474	-78		261	274	14		374	446	73
2023	583	474	-109		262	274	12		394	446	52
2024	605	474	-131		263	274	12		411	446	35
2025	627	474	-153		267	274	8		418	446	28
2026	649	474	-175		287	274	-13		393	446	53



Demographic Data

Strasburg School District 31J Enrollment Forecast

<i><u>Selected Basis - Last 2</u></i>	K	1	2	3	4	5	6	7	8	9	10	11	12	(PK-5)	(6-8)	(9-12)	(K-12)	Preschool		Net Growth
2019	76	75	60	73	77	67	100	86	78	66	79	82	97	508	263	324	1095	82		30
2020	78	79	72	60	77	80	73	105	89	83	68	82	88	528	267	321	1115	82		21
2021	80	83	76	73	65	81	87	79	108	94	85	71	88	538	273	338	1149	82		34
2022	82	87	80	77	77	68	87	92	82	113	96	88	77	552	261	374	1186	82		38
2023	84	91	84	81	81	81	75	93	95	87	115	99	94	583	262	394	1239	82		53
2024	86	95	88	85	85	85	87	80	96	100	89	118	105	605	263	411	1278	82		40
2025	88	99	92	89	89	89	91	93	83	101	102	92	124	627	267	418	1311	82		33
2026	90	103	96	93	93	93	95	97	96	88	103	105	98	649	287	393	1329	82		18

Existing Building Capacity

Elementary - 474
 Middle School - 274
 High School - 446



Program Overview

Strasburg Elementray School		EXISTING						PROPOSED (2026)					
		NUMBER SIMILAR ROOMS	NET AREA	TOTAL AREA	TEACHER STATIONS	STUDENTS PER STATION	TOTAL STUDENTS	NUMBER SIMILAR ROOMS	NET AREA	TOTAL AREA	TEACHER STATIONS	STUDENTS PER STATION	TOTAL STUDENTS
ACADEMIC CORE													
	PRE-SCHOOL W STORAGE AND RR	3	950	2,850	6	15	90	4	950	3,800	4	20	80
	KINDERGARTEN	3	920	2,760	3	25	75	4	920	3,680	4	25	100
	1ST GRADE	4	820	3,280	4	25	100	5	820	4,100	5	25	125
	2ND GRADE	4	840	3,360	4	25	100	5	840	4,200	5	25	125
	3RD GRADE	3	920	2,760	3	25	75	5	920	4,600	5	25	125
	4TH GRADE	3	800	2,400	3	25	75	5	800	4,000	5	25	125
	5TH GRADE	3	800	2,400	3	25	75	5	800	4,000	5	25	125
ACADEMIC SUPPORT													
	INTERVENTION SPACE	4	412	1,648				4	0	0			
	STUDENT HEALTH PROFESSIONAL	0	0	0				0	0	0			
	TEACHER WORK ROOM	1	209	209				1	0	209			
	STORAGE/RESOURCE MATERIALS	9	0	867				9	0	867			
	FULL TIME COUNSELOR	1	800	800				1	0	400			
	BOCES	2	750	1,500				0	0				
				0									
TOTAL ACADEMIC CORE				24,834			590			29,856			805
SPECIAL EDUCATION													
	SPECIAL ED CLASSROOM	2	630	1,260				3	630	1,890			
	OFFICE	0	0	0				1	200	200			
	OT/PT	0	0	0				0	0	0			
TOTAL SPECIAL EDUCATION				1,260						2,090			



Program Overview

Strasburg Elementray School		EXISTING					PROPOSED (2026)					
		NUMBER SIMILAR ROOMS	NET AREA	TOTAL AREA	TEACHER STATIONS	STUDENTS PER STATION	TOTAL STUDENTS	NUMBER SIMILAR ROOMS	NET AREA	TOTAL AREA	TEACHER STATIONS	STUDENTS PER STATION
DEPARTMENT / PROGRAM												
FINE ARTS												
	ART ROOM	1	918	918			1	918	918			
	MUSIC ROOM/STAGE	1	1544	1,544			1	1544	1,544			
	MUSIC OFFICE /STORAGE	0	0	0			0	0	0			
TOTAL FINE ARTS		2,462					2,462					
DINING / COMMON												
	STAGE	1	3725	3,725			1	3725	3,725			
	KITCHEN	1	1982	1,982			1	1982	1,982			
	CAFETERIA	1	3514	3,514			1	3514	3,514			
	CAFETERIA STORAGE	1	220	220			1	220	220			
TOTAL DINING / COMMON		9,441					9,441					
LIBRARY / TECHNOLOGY												
	MEDIA CENTER	1	1994	1,994			1	3204	3,204			
	COMPUTER LAB	1	1100	1,100			0	0	0			
TOTAL LIBRARY / TECHNOLOGY		3,094					3,204					
PE AND ATHLETICS												
	GYM	0	0	0			1	4500	4,500			
	GYM STORAGE	0	0	0			1	200	200			
TOTAL PE AND ATHLETICS		0					4,700					

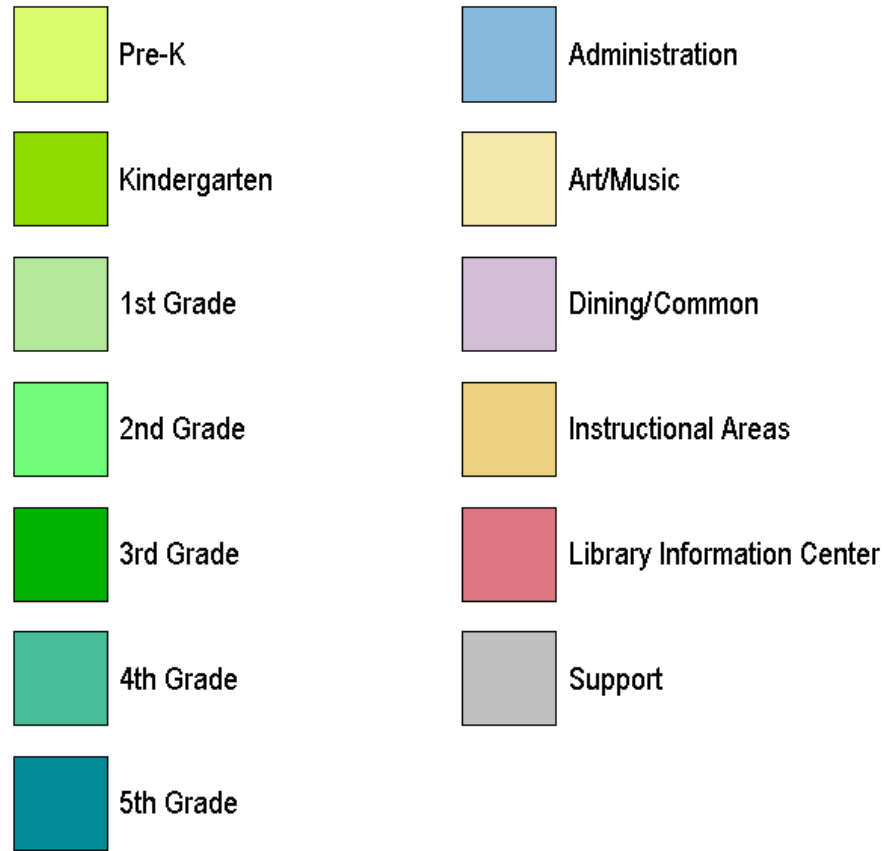


Program Overview

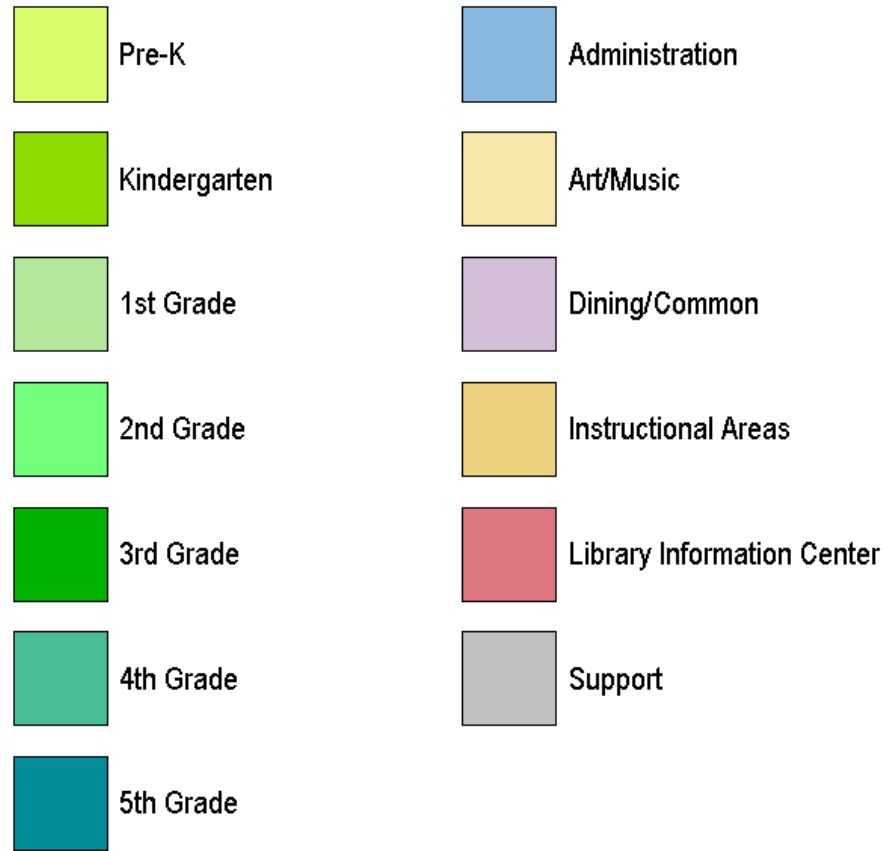
Strasburg Elementray School		EXISTING					PROPOSED (2026)					
		NUMBER SIMILAR ROOMS	NET AREA	TOTAL AREA	TEACHER STATIONS	STUDENTS PER STATION	TOTAL STUDENTS	NUMBER SIMILAR ROOMS	NET AREA	TOTAL AREA	TEACHER STATIONS	STUDENTS PER STATION
ADMIN & STUDENT SERVICES												
	RECEPTION/WAITING AREA	1	504	504			1	504	504			
	PRINCIPALS OFFICE	1	219	219			1	219	219			
	ITINERANT OFFICE	1	128	128			1	128	128			
	TEACHER BREAK ROOM	1	450	450			1	450	450			
	LACTATION ROOM	0	0	0			?	0	0			
	CLINIC W/HC RESTROOM	1	88	88			1	88	88			
	CONFERENCE ROOM	1	205	205			1	205	205			
	SECURE STORAGE	1	84	84			1	84	84			
	COMMUNITY STORAGE / TABLE CHAIR	1	185	185			1	185	185			
TOTAL ADMINISTRATION		1,863					1,863					
TOTAL ASSIGNABLE AREAS				42,954					53,616			
UNASSIGNABLE												
TOTAL UNASSIGNABLE				10,739					13,404			
UNASSIGNABLE % OF ASSIGNABLE AREA				25.0%					25.0%			
SUMMARY												
TOTAL GROSS BUILDING AREA				53,693					67,020			
STUDENT CAPACITY												
BASED ON TOTAL CAPACITY				518 STUDENTS					650 STUDENTS (2026 projection)			



Existing Program



Existing Program





View of Classrooms from Learning Community / Corridor





View of Small Collaboration Space / Outdoor Access

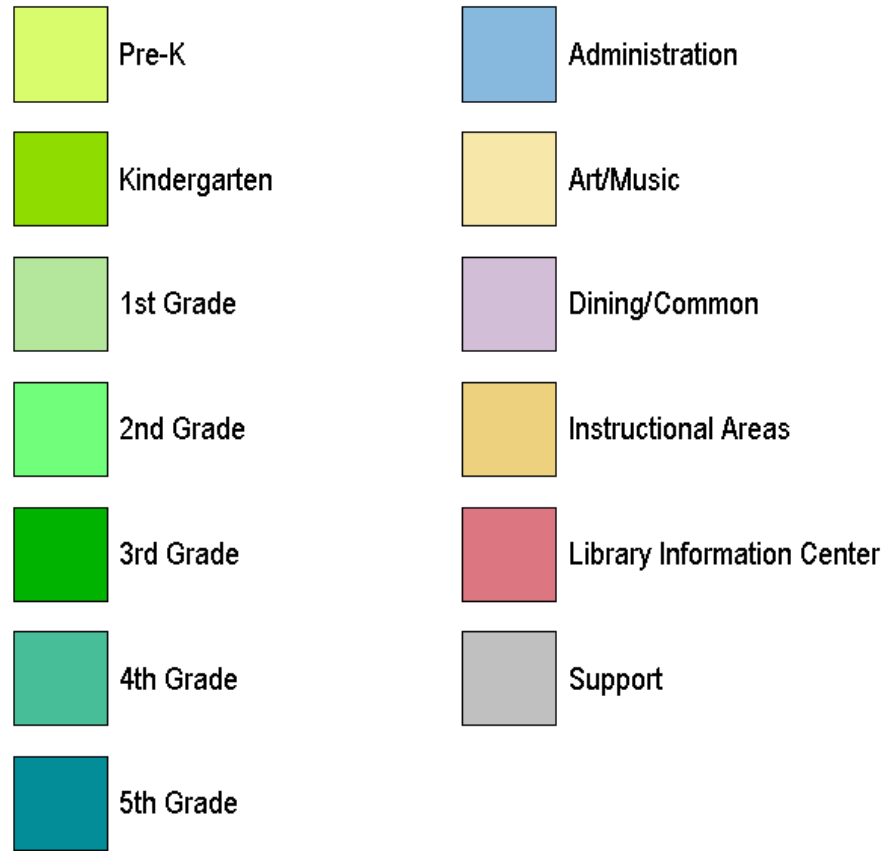




Interior View of Learning Community



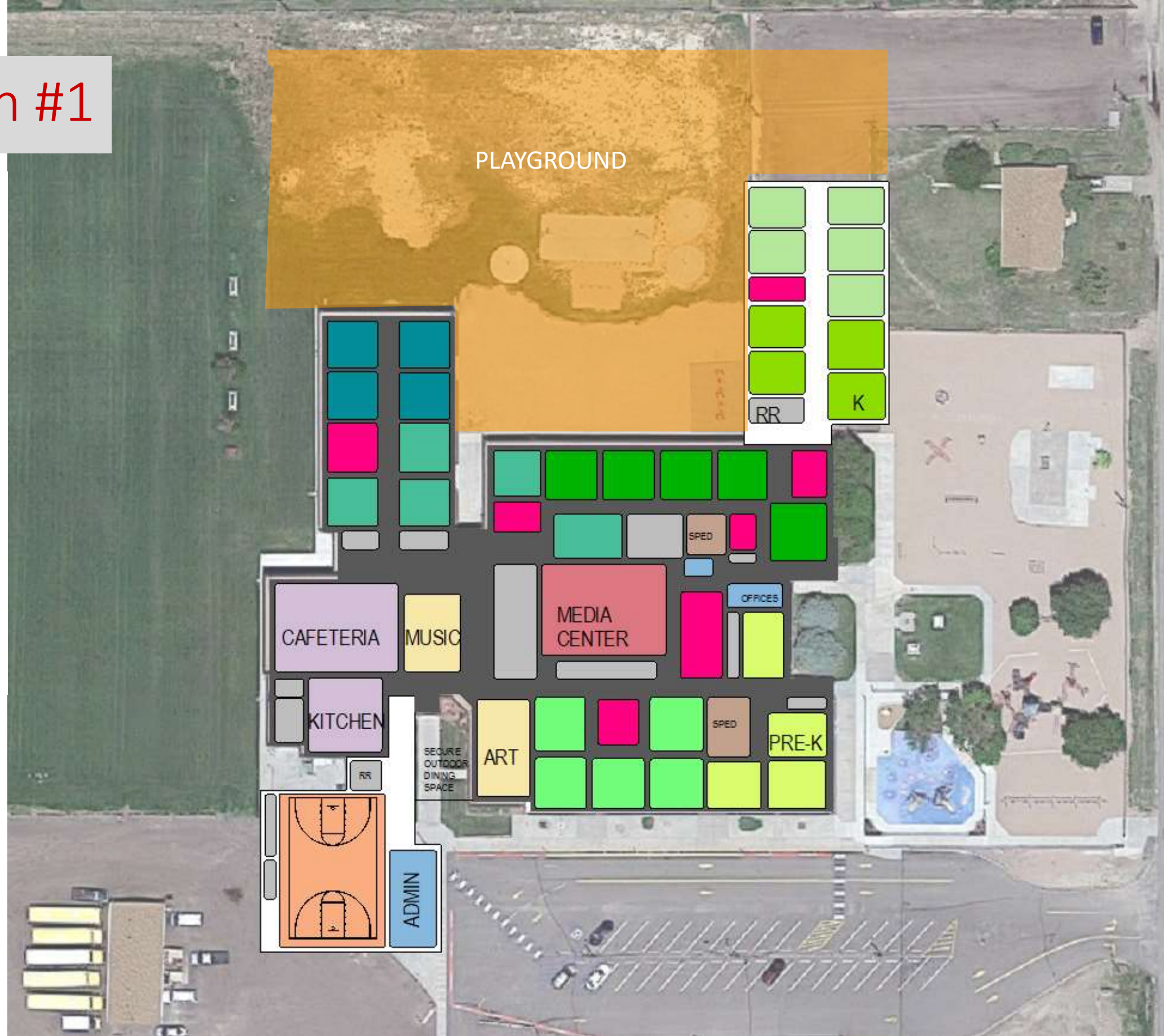
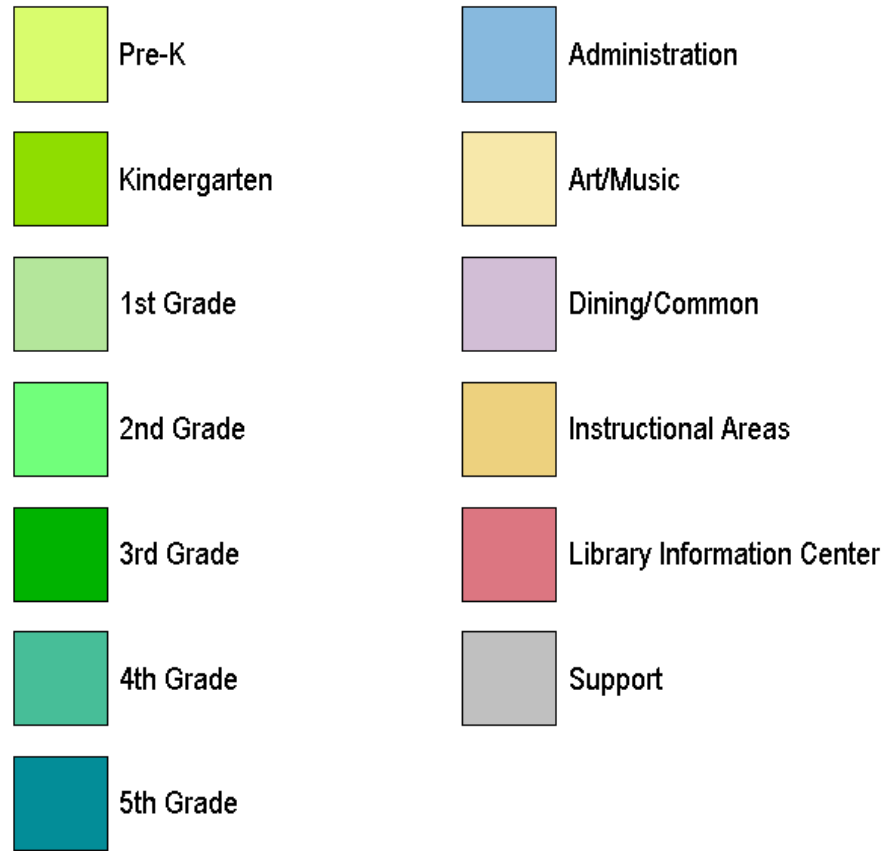
Program Organization #1



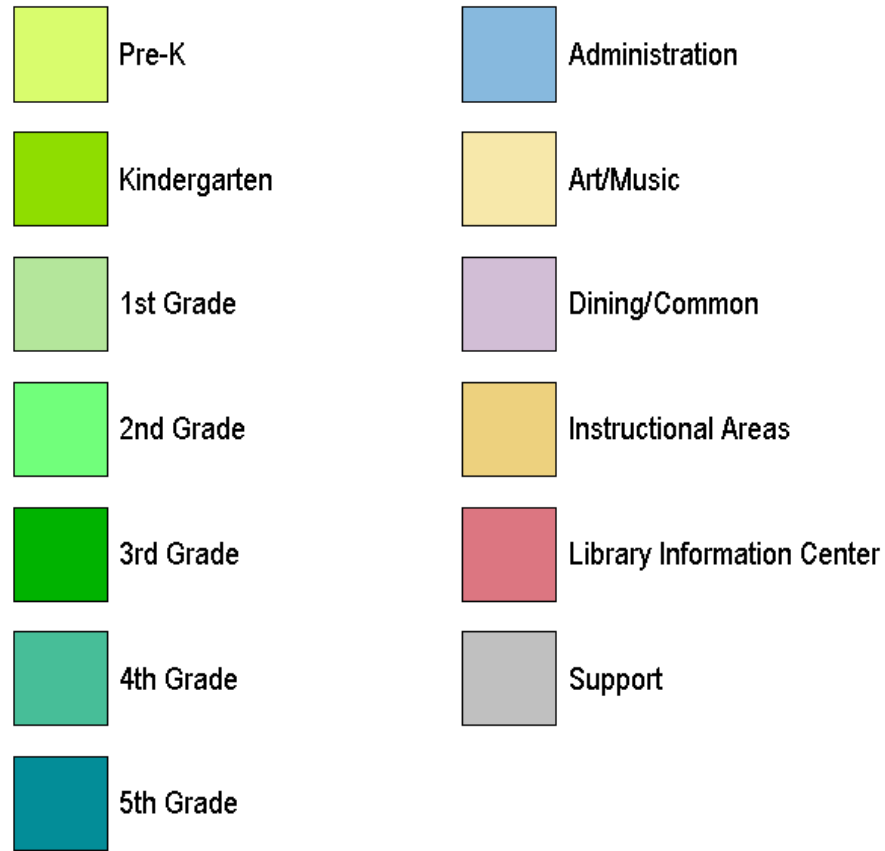
- Pre-K and Kindergarten adjacent to east playground with daylight
- Grades 1-5 clustered in groups with **break-out** learning areas dispersed throughout the building
- Large central media center
- Art room moved to south of building near music
- Administration moved to gym addition to accommodate secure entry
- Outdoor dining area



Program Organization #1



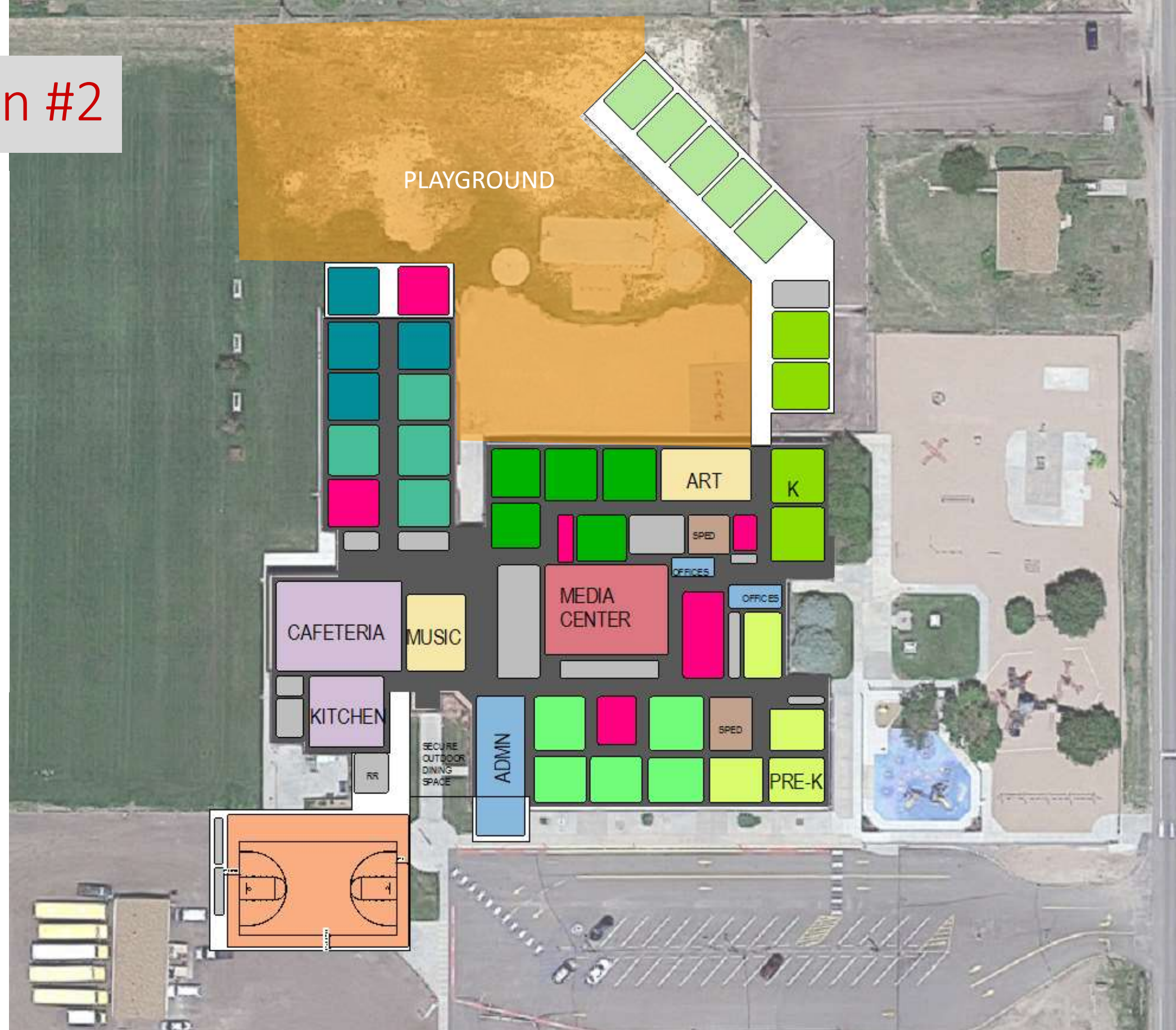
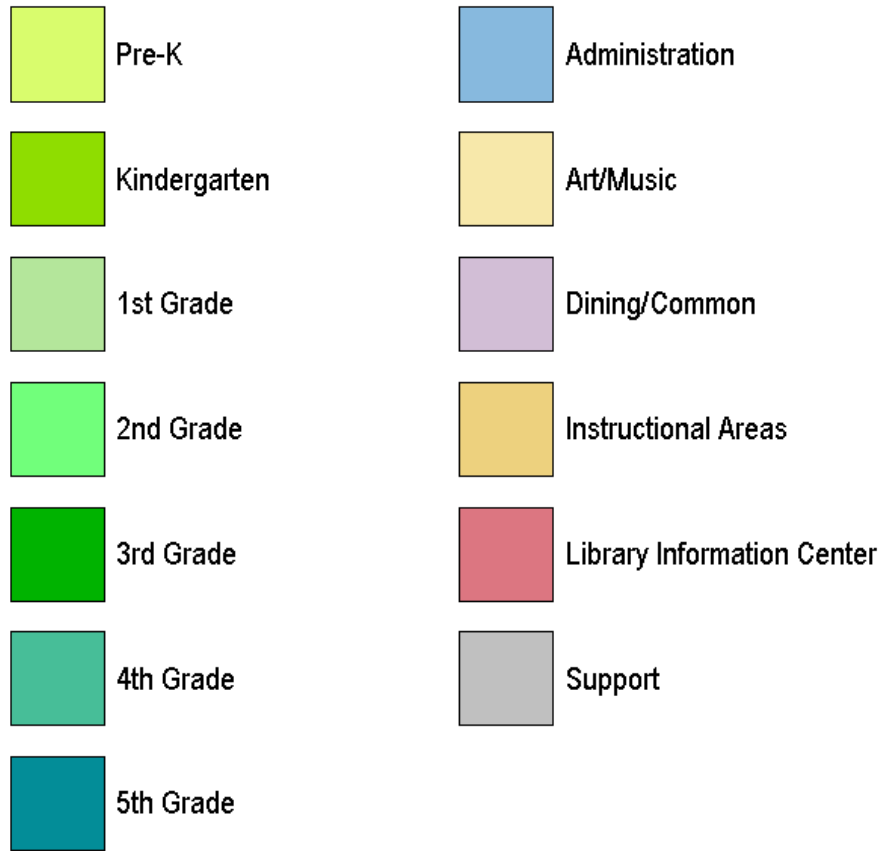
Program Organization #2



- Pre-K and Kindergarten adjacent to east playground with daylight
- Grades 1-5 clustered in groups with **break-out** learning areas dispersed throughout the building
- Large central media center
- Art room with north exposure day light
- Administration entrance expanded to include a secure vestibule entrance
- Outdoor dining area

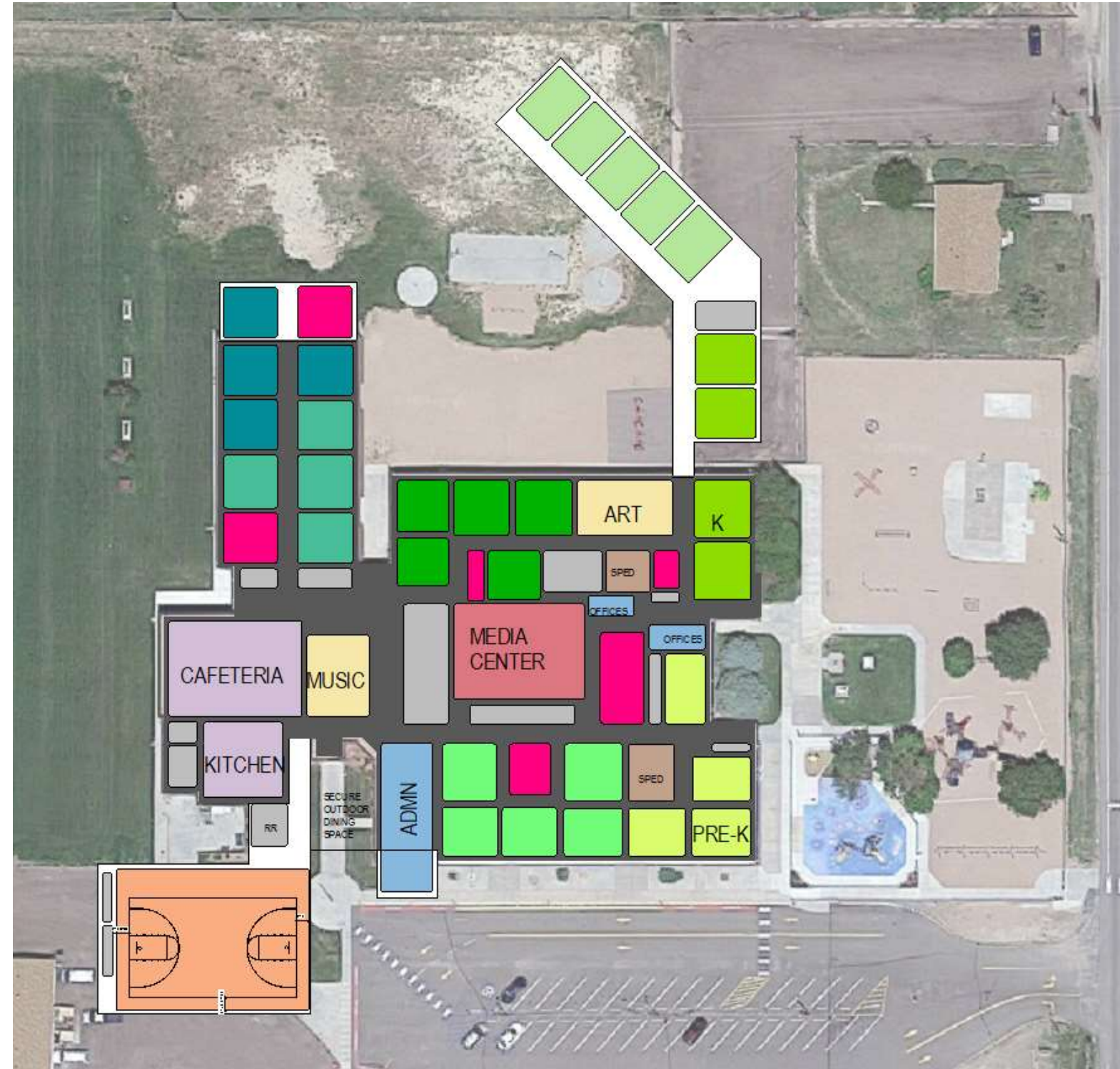
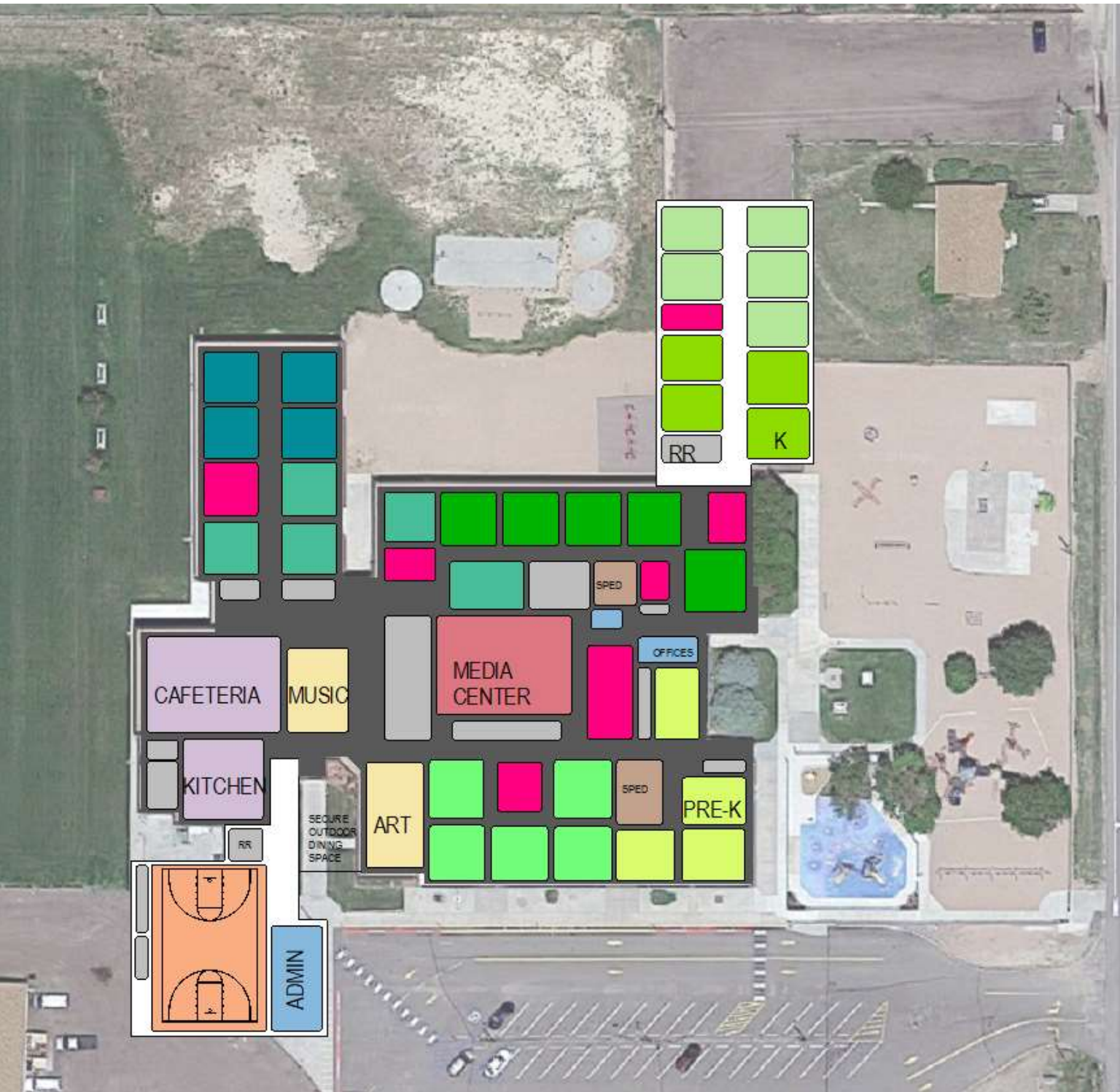


Program Organization #2

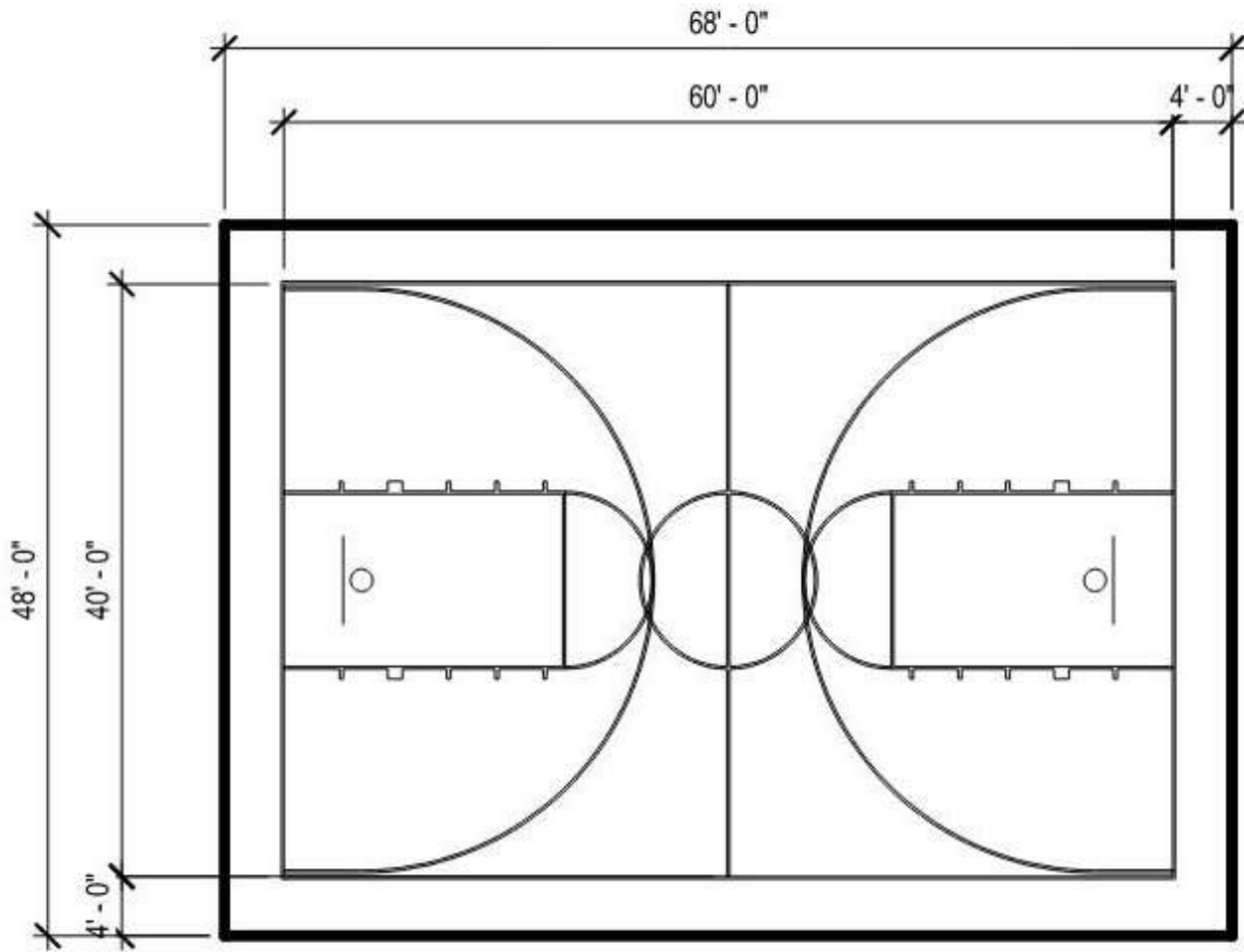


Program Organization #1

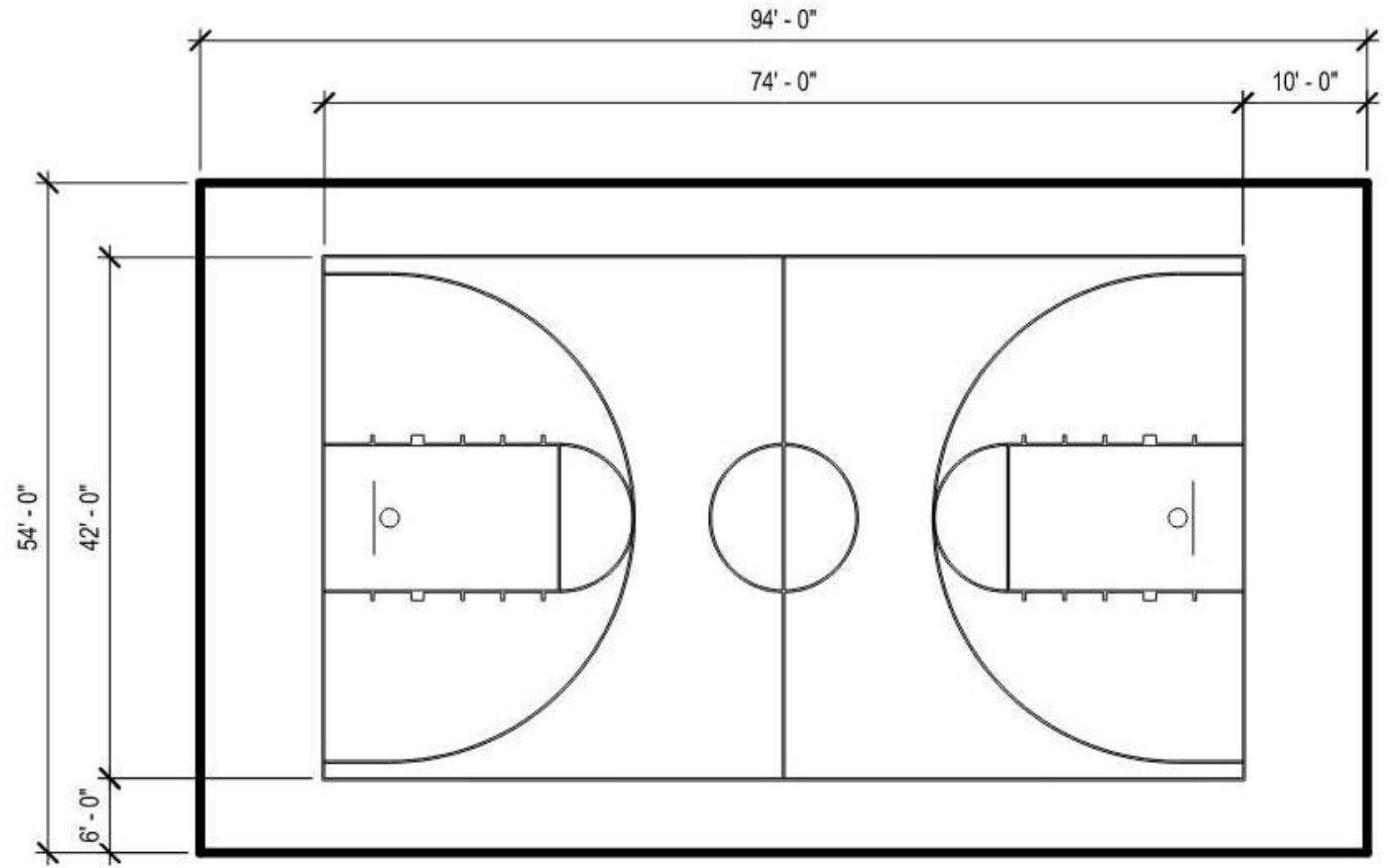
Program Organization #2



Gymnasium Court Options



Option 1 – 3,200sf

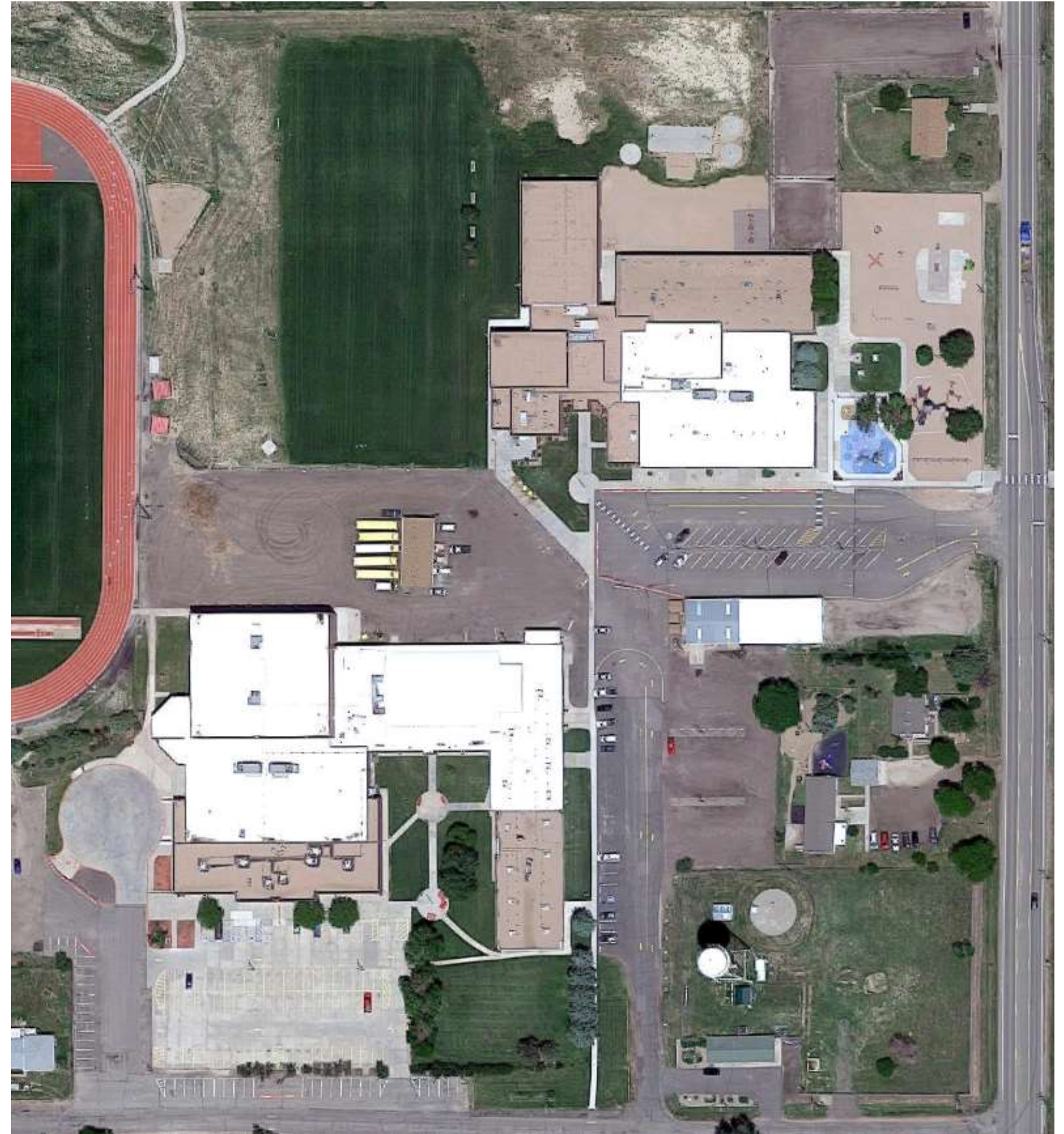


Option 2 – 5,000sf

Site Traffic Options

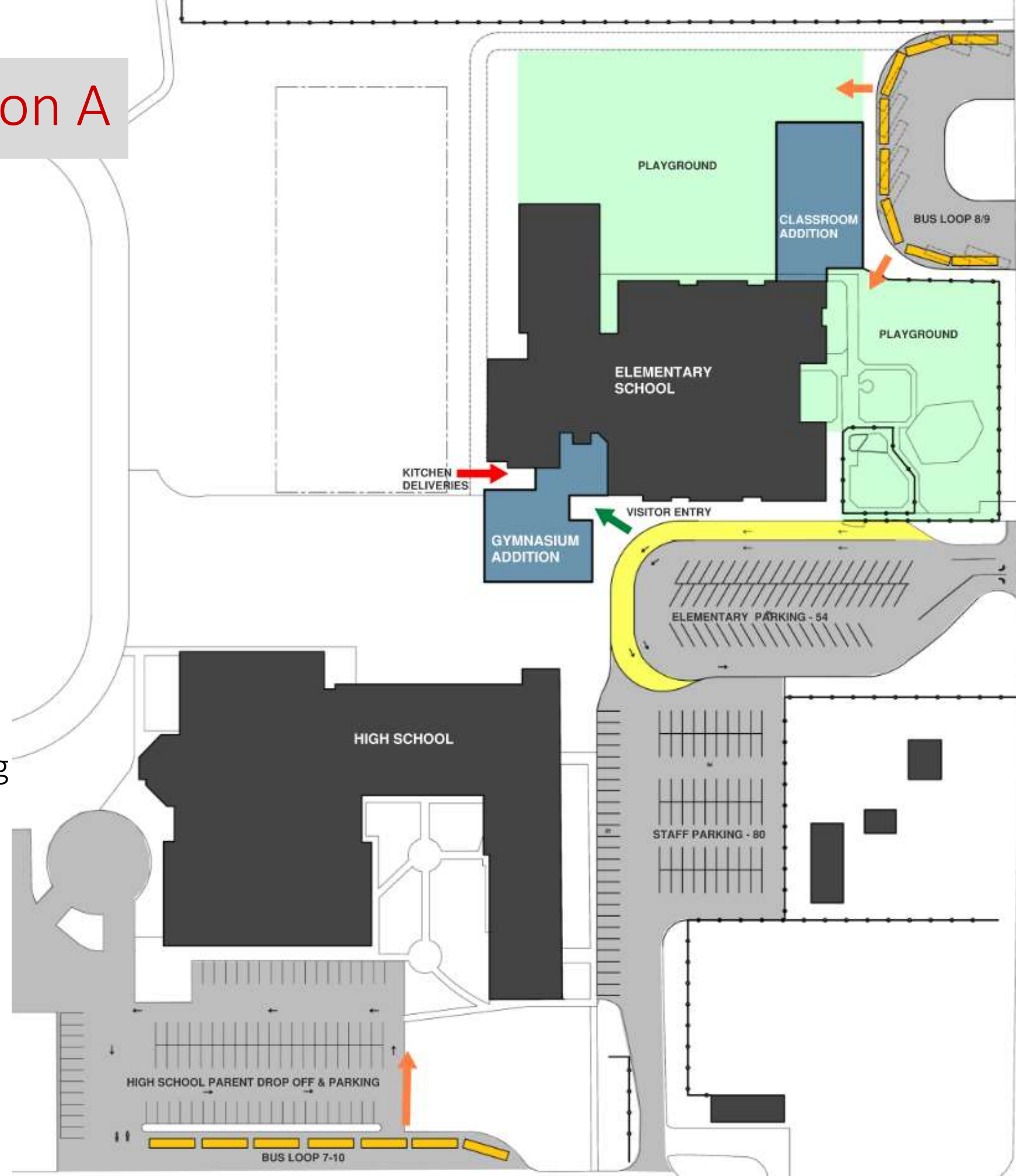
Concerns

- Parent and Bus drop off together in same parking lot is chaotic for elementary school
- Morning deliveries to the kitchen are dangerous for children walking into school
- K-12 grades on same bus – separating bus drop off areas for elementary and high school could cause time issues



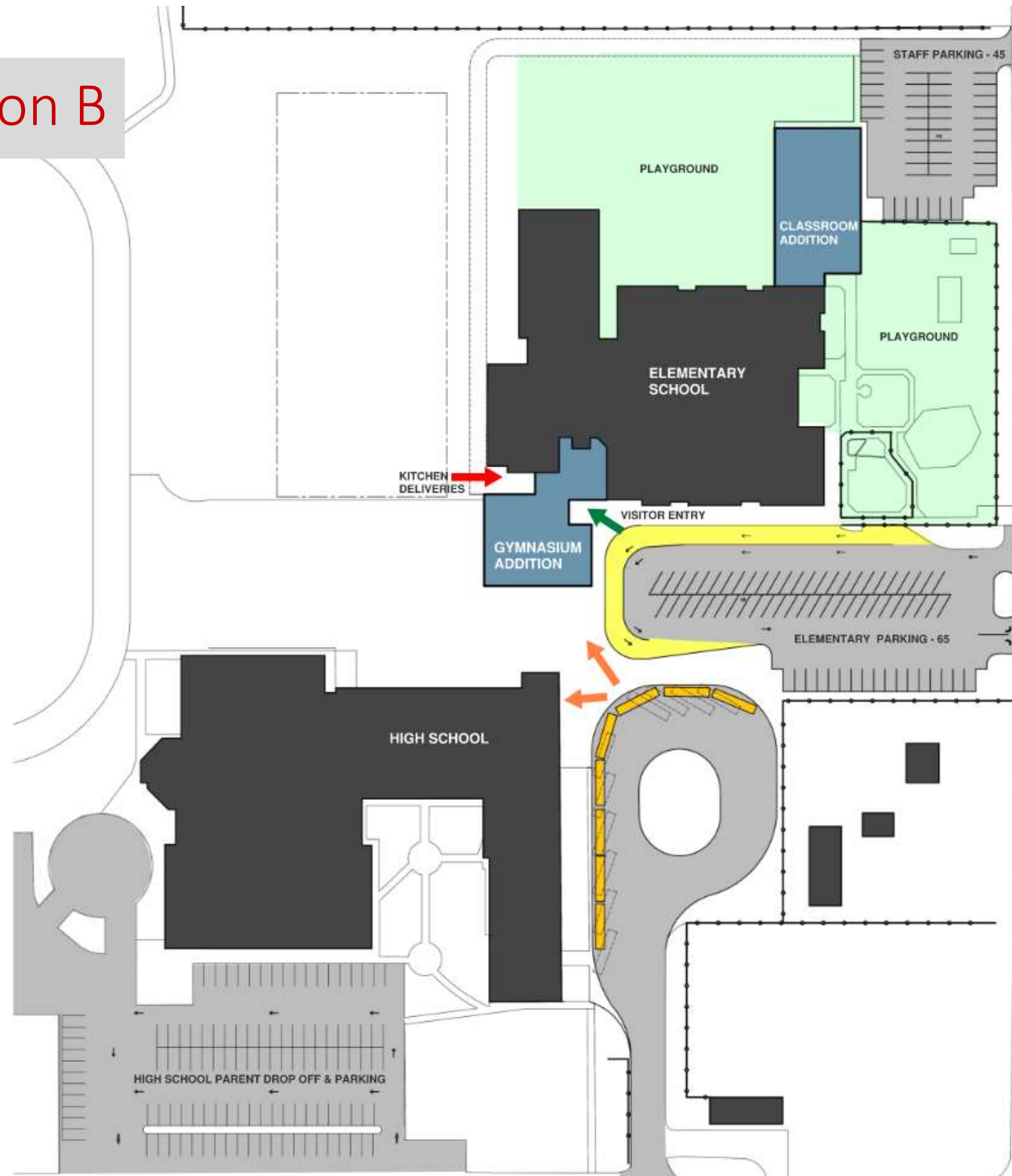
Site Option A

- Separate bus drop off areas for high school and elementary school
- Kitchen delivery moved north if/when connector is constructed
- Elementary school bus drop off is adjacent to playgrounds
- Parent drop off is 365' long
- Room for 8-9 buses at elementary, 7-10 buses at high school depending on parking/stacking method.
- East playground shrinks to accommodate bus loop

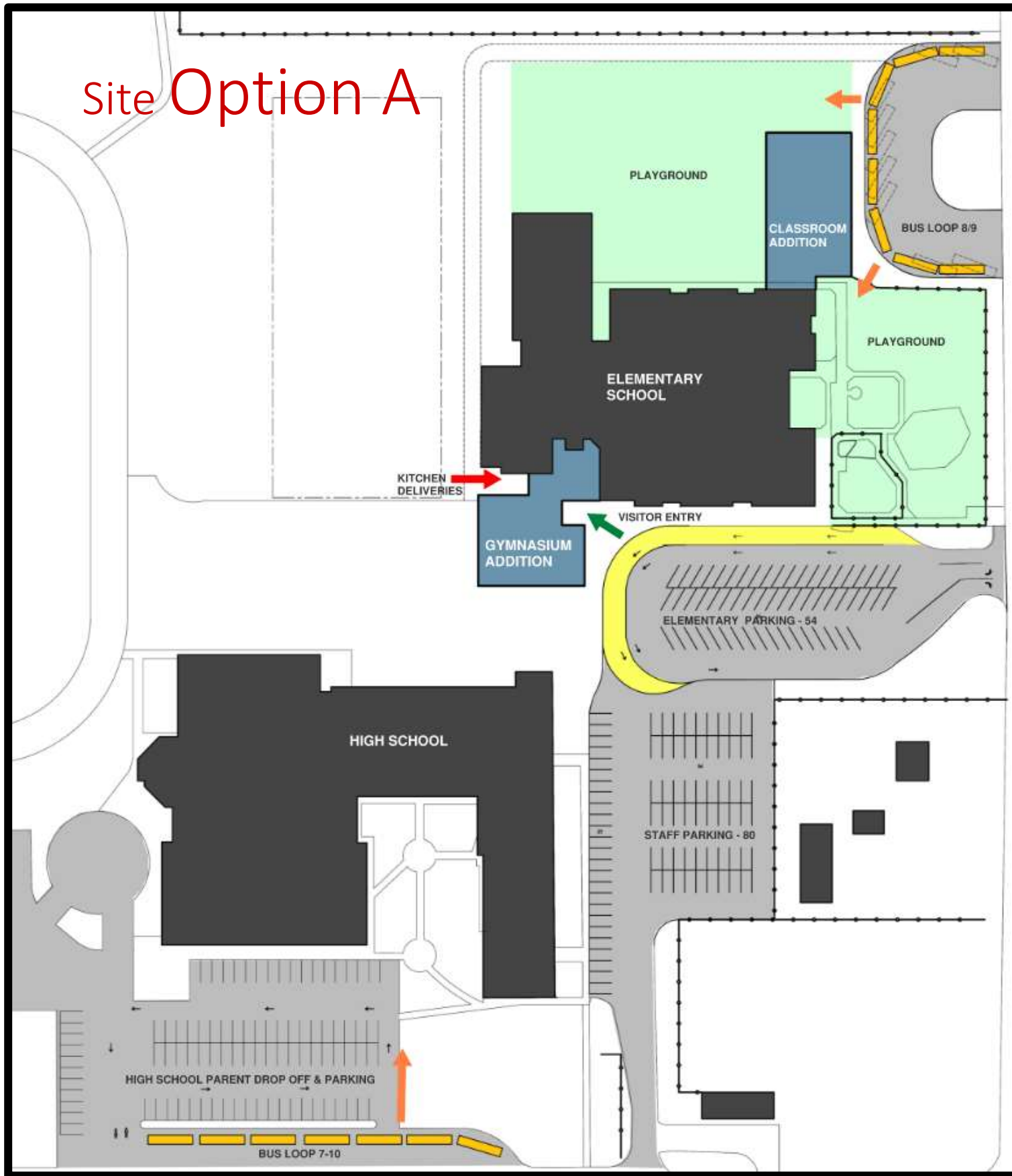


Site Option B

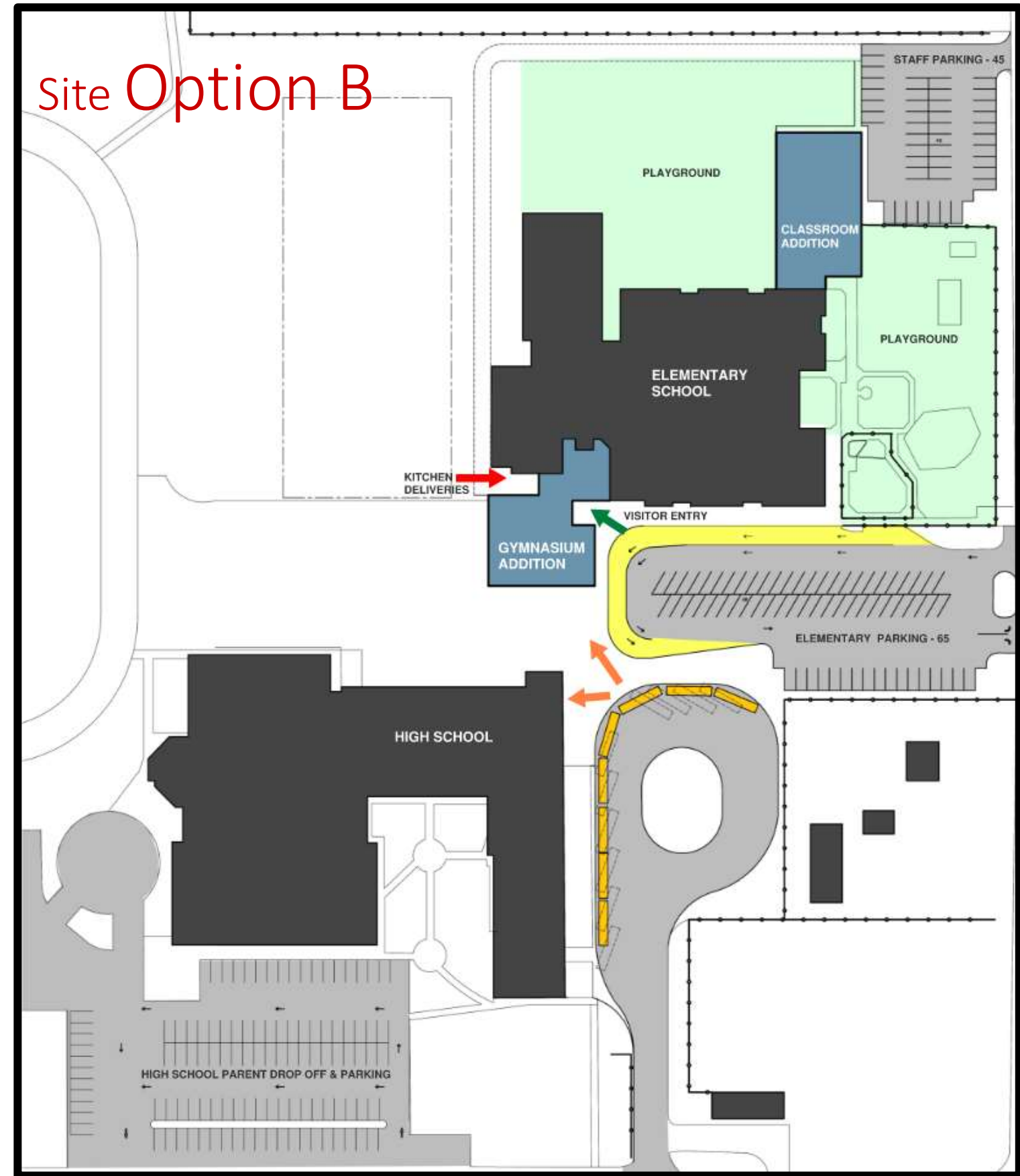
- Bus drop off areas for high school and elementary school remains between schools
- Kitchen delivery moved north if/when connector is constructed
- Parent drop off is 322' long
- Room for 8-10 buses depending on parking/stacking method.
- Elementary School staff parking moves north



Site Option A



Site Option B



Wrap Up

Selected Option

Building / Site

Next Meeting

January 27th – 3:20 – 4:20pm

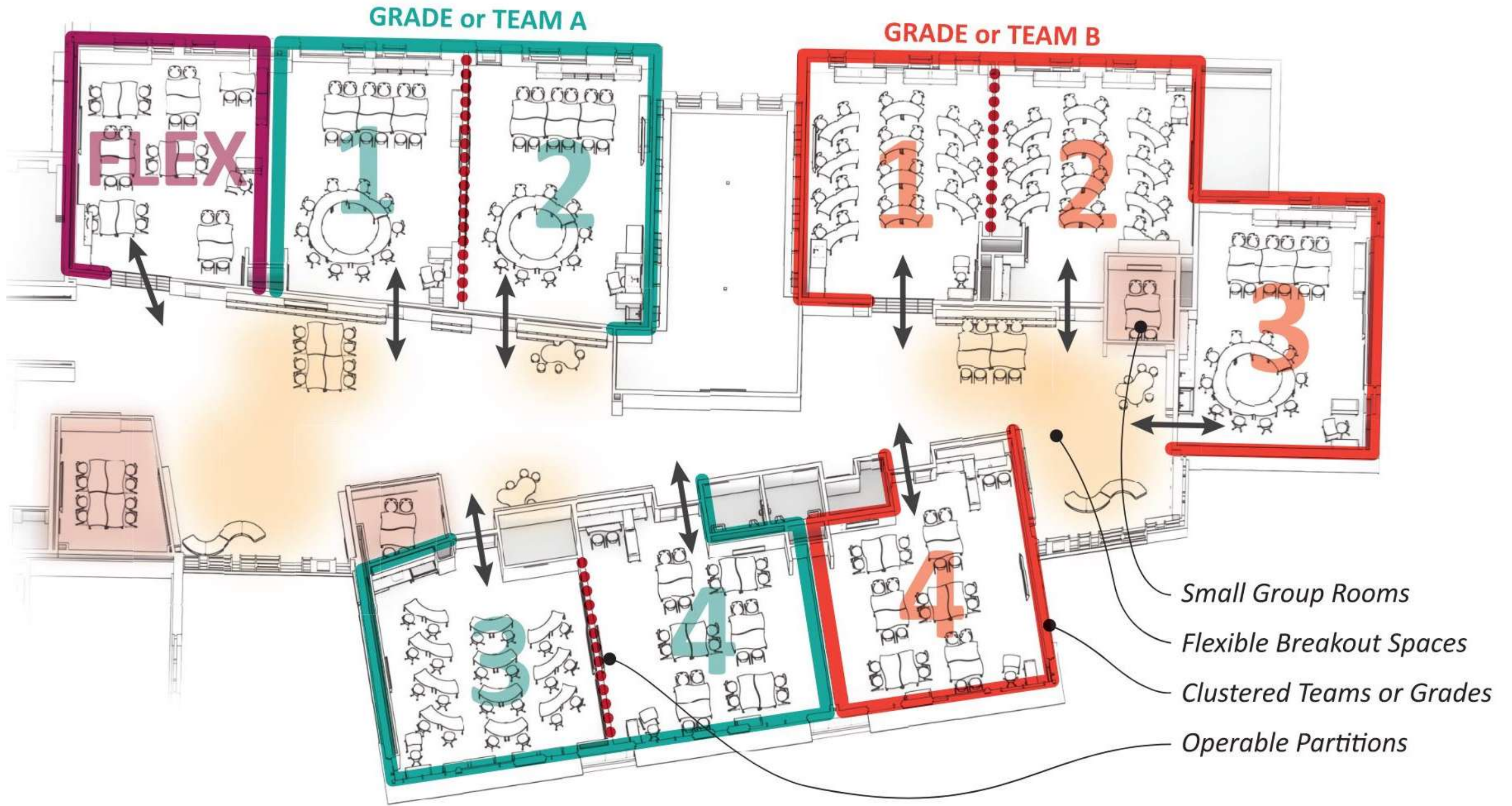


Thank You!

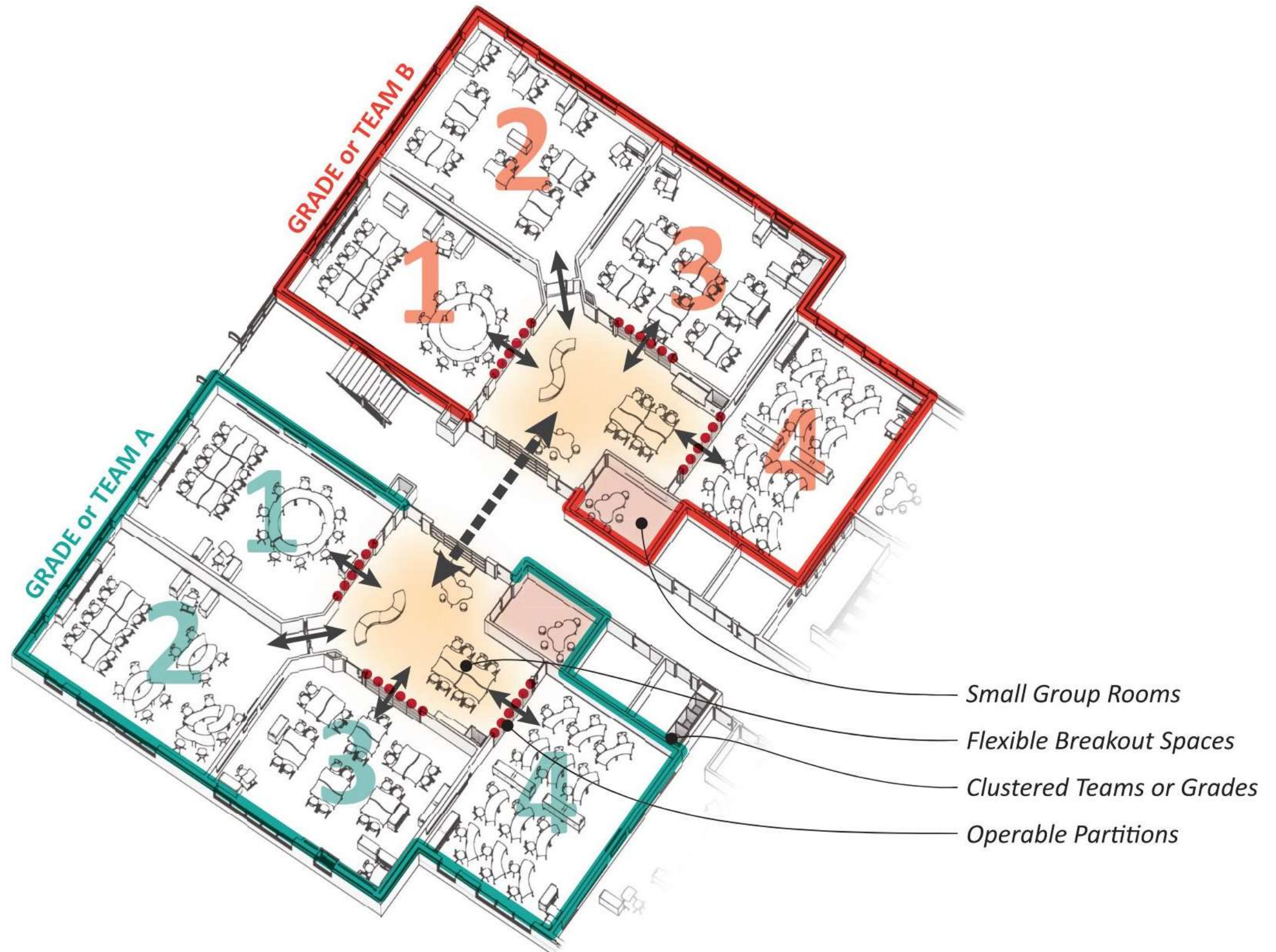


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Example - Douglass Elementary



Example - Chinook Trail Middle School





View of Learning Community from Corridor

