

**State College Area School District
Office of Physical Plant
Ed Poprik, Director**

To: Board of School Directors
From: Ed Poprik
RE: **HS educational specification**
Date: August 26, 2013

Attached are 3 draft educational specification documents related to the educational model for the High School project. Amy Yurko of Brainspaces Inc. will be present on August 26 to discuss and clarify these documents.

On September 9, 2013, we plan to revisit this discussion with the Board of School Directors.

At this time, the Board is scheduled to formally accept a draft of the project educational specifications in late September 2013. These documents will be used by Crabtree Rohrbaugh and Associates to further develop the schematic design.

A final educational specification should not be approved until schematic design has been completed.

Attachments: Summary: Facility Space Program for 2,000 students
Master Schedule Analysis
Planning Diagrams

State College Area High School

MASTER SCHEDULE ANALYSIS CALCULATIONS & COMPARISON WITH 2013 ED SPEC PROPOSAL

ACTUAL USE (2012-13)			
Actual avg. # sl/day all 8 periods	Actual Class Size RANGE	Actual AVERAGE Class Size	Actual Avg. # periods per day

PROJECTIONS			
Target # periods	Target Avg. Class size	# Teaching Stations Required	2013 # Tchg Stat. Suggested

CORE (not including DELTA)

Math	
Social Studies	
English	
Science	
Average # Students/Period = 1,072	

2,145	6-28	17	6 of 8
2,180	13-27	22	6 of 8
2,212	6-27	19	6 of 8
2,035	6/25	18	5 of 8
8,572			

7 of 8	20	15.32	47.0
7 of 8	20	15.57	
7 of 8	20	15.80	
6 of 8	24	14.13	18.0
60.82			65.0

SPECIALTY

World Languages	
Special Education	
Learning Support/Resource	
ELL Program	
Average # Students/Period = 213	

1,354	5-27	18	8 of 8
16	3-8	5	3 of 8
285	1-12	4.5	5 of 8
48	6-11	8	4 of 8
1,703			

7 of 8	20	9.67	12.0
7 of 8	10	0.23	4.0
7 of 8	10	4.07	8.0
7 of 8	10	0.69	1.0
10.59			17.00

CAREER ED

Business & Management	
Woods (Materials/Engineering/Processing)	
Computer Graphics	
Drafting/Design	
Network (CISCO)	
Engineering/Technology	
Health Occupations	
Agriculture	
Automotive	
Construction	
ECE	
Culinary/Foods Program	
FACS - Foods	
FACS - Fashion (proposed: share w/ art & design)	
FACS - Childcare	
Average # Students/Period = 164	

403	5-26	18	7 of 8
99	10-19	14	7 of 8
103	9-24	17	6 of 8
79	8-17	13	5 of 8
131	17-27	21	6 of 8
32	14-17	15	2 of 8
125	7-22	15	6 of 8
89	9-21	15	6 of 8
26	2-13	6.5	3 of 8
40	2-13	6.5	3 of 8
23	9-14	11.5	2 of 8
56	8-18	14	4 of 8
65	2-20	13	5 of 8
12	10-14	12	1 of 8
30	10-15	11.5	3 of 8
1,313			

7 of 8	20	2.88	4.0
7 of 8	20	0.71	1.0
7 of 8	20	0.74	1.0
7 of 8	20	0.56	1.0
7 of 8	20	0.94	1.0
7 of 8	20	0.23	1.0
7 of 8	20	0.89	1.0
7 of 8	20	0.64	1.0
7 of 8	20	0.19	1.0
7 of 8	20	0.29	1.0
6 of 8	20	0.19	1.0
7 of 8	20	0.40	1.0
7 of 8	20	0.46	1.0
7 of 8	20	0.09	0.0
7 of 8	20	0.21	1.0
9.41			17.0

ARTS

Visual Arts	
Performing Arts: Music	
Performing Arts: Drama (Black Box)	
Average # Students/Period = 76	

285	7-22	15	7 of 8
319	7-53	40	8 of 8
604			

7 of 8	20	2.04	3.0
7 of 8	20	2.28	3.0
			1.0
4.31			7.0

LE / Media

LE In	
LE Out	
Art Smart In	
Art Smart Out	
Average # Students/Period = 114	

383	1-46	48	8 of 8
185	1-97	23	8 of 8
278	1-39	35	8 of 8
63	1-29	8	8 of 8
909			

7 of 8	20	2.74	2.0
7 of 8	20	1.32	
7 of 8	20	1.99	2.0
7 of 8	20	0.45	
6.49			4.0
4.72			(plus LMC)

PE

Physical Instruction	
Health Ed.	
Driver's Ed	
Average # Students/Period = 142	

870	11-100	38	7 of 8
393	12-27	23	6 of 8
189	17-50	34	6 of 8
1,452			

8 of 8	20	5.44	7.00
7 of 8	20	2.81	3.00
7 of 8	20	1.35	1.00
9.59			11.0

Other

Study Hall	
PSU	
Delta (not sure if master sched includes Delta)	
Average # Students/Period = 288	

1,080			
27	1-3	2	NA
1,200			
2,307			

8 of 8	20	6.75	
8 of 8	20	0.17	
		12.00	12.0
18.92			12.0

TOTAL Average # Students/Period = 2,108 (AKA School Capacity)	18.5	72.8%	87.5%	20	120	133
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A summary sheet with explanation, methodology and terminology is included on page 2.



SUMMARY

	ACTUAL USE (2012-13)		PROJECTED USE (Ed Specs)	
Average Enrollment (number of students) per Period =	2,108	students	2,000	students
Average Number of Periods each classroom/Teaching Station is used (out of 8) =	5.82	periods/day	7.00	periods/day
Percent Utilization of Classrooms/Teaching Stations =	72.8%	27% of classrooms are unoccupied	87.5%	15% of classrooms will be unoccupied
Actual average class size loading (regular ed classes only) =	18.5	students	NA	
TARGETED average class size loading (regular ed classes only) =	24.0	students	20.0	students (but classrooms sized for 24)
Percent Loading of Regular Classrooms/TS (out of target #) =	77.1%	23% of "seats" are unoccupied	100.0%	hypothetically, all seats are occupied. (This may mean that some classrooms/T.S. have more than 20 students per class.)
			2013 ED SPEC SUGGESTIONS:	
			85.0%	Decrease utilization for schedule flexibility.
			133	Increase # of T.S. for schedule flexibility.

EXPLANATION & METHODOLOGY

Using the 2012-13 High School Master Schedule provided by the District, BSI extracted the above data as a strategy to check that the 2013 ed spec proposed space program will adequately support the student enrollment. Key data for this effort includes tallies and averages for the extent of student participation in various educational programs, identifications of room uses for every educational space currently scheduled, class sizes, and room utilizations. Comparing this data to the District-driven quantitative parameters for the 2013 ed spec illustrates the ability of the proposed quantity of educational spaces to comfortably support these parameters. District-driven quantitative parameters include accommodating 2,000 high school students on-site, utilizing teaching stations 7 out of 8 periods per day, and supporting average class sizes of 20 students per classroom.

The resulting 2013 ed spec interprets this data and includes quantities of teaching stations, as shown above, which have been increased (or "rounded up") to support flexibility in the programs offered, extent of student interest in various programs, teacher and scheduling flexibility, and general evolution of needs over time. Therefore, the 2013 ed spec decreases the room utilization factor to 85% (just under 7 of 8 periods per day), and increases the number of teaching stations in the high school to 128 (straight calculations result in the need for 121 teaching stations). The increase in the number of teaching stations is a direct result of input from the extensive meetings and workshops that BSI conducted with SCAHS teachers.

METHODOLOGY FOR CALCULATIONS

Using the SCAHS Master Schedule, data was sorted by room, course/department, and teacher ID. Quantitative data supporting each of these sorted lists included class sizes, which periods each space is used, which semester each space is used, and the number of teachers assigned to each room (extent of room sharing by both teachers and by departments). To determine the number of teaching stations required to support each department and/or program, the actual student enrollments were tallied from the master schedule. The number of teaching stations required to support each of these enrollments is a simple mathematical formula, which factors the targeted Utilization Rate (7 of 8 periods per day) and the targeted Class Size (20 students per class):

$$\text{total number students actually scheduled in the class throughout an average day} \div 7 \text{ periods} \div 20 \text{ students} = \# \text{ Teaching Stations Required}$$

The 2013 Suggested Number of Teaching Stations adjusts the mathematical result of the above formula to accommodate numerical rounding (typically rounding up), and to accommodate additional insights collected during our on-site discussions with students, teachers and school leadership. The proposed space program for the 2013 educational specifications reflect these calculations and adjustments.

TERMINOLOGY

Teaching Station: (TS) Any space in the school that can be scheduled to accommodate a class of students and at least one teacher/staff member.

Class Size: The number of students scheduled to attend one class in one teaching station.

Class Loading: A percentage of the number of occupied student "seats" in a given teaching station during a scheduled class.

Utilization Rate: A percentage of the number of periods per day that a teaching station is scheduled to accommodate a class of students and at least one teacher/staff.

School Capacity: The total number of students that can be accommodated in all teaching stations at any given time.

note: Capacity calculations factor parameters such as utilization rates and class sizes.



State College Area High School

SUMMARY: FACILITY SPACE PROGRAM for 2,000 STUDENTS

UPDATED: 8/21/13

SPACE CATEGORY	Net Area Sub-Total (sq. ft.)	No. Teaching Stations	Capacity @ 78% Utilization	COMMENTS
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Spaces may change, depending on master planning strategy selected by the School Board.

1.0 9th GRADE LEARNING COMMUNITY			78%	
1.01 Core Learning & Support	15,500	13	202	
1.02 9th Grade Science	6,100	4	62	
1.03 Student Commons	3,060	0	0	
1.04 Staff Support	2,240	0	0	
Sub-Total:	26,900	17	265	
2.0 FINE ARTS LEARNING COMMUNITY			78%	<i>locate near Art, Music and Theater components</i>
2.01 Core Learning & Support	12,100	9	140	
2.02 Science	6,100	4	62	
2.03 Student Commons	3,060	0	0	
2.04 Staff Support	2,240	0	0	
Sub-Total:	23,500	13	202	
3.0 BUSINESS & MARKETING LC			78%	
3.01 Core Learning & Support	12,100	9	140	
3.02 Science	6,100	4	62	
3.03 Business & Management	5,000	4	62	
3.04 Student Commons	3,060	0	0	
3.05 Staff Support	2,240	0	0	gross areas
Sub-Total:	28,500	17	265	
4.0 HEALTH & HUMAN SERVICES LC			78%	<i>locate near PE components</i>
4.01 Core Learning & Support	12,100	9	140	
4.02 Science	6,100	4	62	
4.03 Applied Labs & Support	10,120	5	78	
4.04 Student Commons	3,060	0	0	
4.05 Staff Support	2,240	0	0	gross areas
Sub-Total:	33,620	18	280	
5.0 S.T.E.M. LEARNING COMMUNITY			78%	
5.01 Core Learning & Support	12,100	9	140	
5.02 Science	3,100	2	31	
5.03 Tech Ed	5,000	2	31	
5.04 CTC	15,600	6	93	
5.05 Student Commons & Support	4,900	0	0	
5.06 Staff Support	4,320	0	0	
Sub-Total:	45,020	19	296	
6.0 SPECIALTY PROGRAMS			78%	
6.01 World Languages	9,000	10	125	Plus 2 WL classrooms in 9th Grade LC
6.02 Special Education	5,140	4	31	Specialized spaces should not be located all together.
6.03 ELL Program	900	1	8	
Sub-Total:	15,041	15	163	
7.0 VISUAL & PERFORMING ARTS			78%	
7.01 Visual Arts	4,800	3	47	
7.02 Performing Arts: Music	7,600	3	47	
7.03 Performing Arts: Theater	17,670	1	16	
Sub-Total:	30,070	7	109	
8.0 LIBRARY, LE & TECHNOLOGY			78%	
8.01 Library/Media Resources	9,000	0	0	
8.02 Learning Enrichment	4,000	4	40	Plus approx 40% students studying off-campus.
8.03 TE/Media Communications	1,100	0	0	
8.04 Technology Support	1,800	0	0	
Sub-Total:	15,900	4	40	

State College Area High School

SUMMARY: FACILITY SPACE PROGRAM for 2,000 STUDENTS

UPDATED: 8/21/13

SPACE CATEGORY	Net Area Sub-Total (sq. ft.)	No. Teaching Stations	Capacity @ 78% Utilization	COMMENTS
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Spaces may change, depending on master planning strategy selected by the School Board.

9.0 PHYS ED, HEALTH & ATHLETICS		78%	
9.01 Physical Instruction	56,400	10	156
9.02 PE/Athletics: Support	19,930	1	16
9.03 PE/Athletics: Amenities	1,600	0	0
Sub-Total:	77,930	11	171

10.0 ADMIN & STUDENT SERVICES		78%	
10.01 Administration	5,500	0	0
10.02 Student Services	3,460	0	0
10.03 Health Office	750	0	0
Sub-Total:	9,710	0	0

11.0 STUDENT COMMONS / DINING		78%	
11.01 Dining Commons	16,900	0	0
11.02 Kitchen & Servery	7,500	0	0
Sub-Total:	24,400	0	0

12.0 BUILDING SERVICES		78%	
12.01 Custodial Support	2,800	0	0
12.02 Building Services	2,000	0	0
Sub-Total:	4,800	0	0

13.0 DELTA PROGRAM		78%	
13.01 Delta Program	12,000	12	171
13.02 Delta Support Spaces	1,740	0	0
Sub-Total:	13,740	12	171

SUB-TOTALS:

Net Area Sub-Total (Sq. Ft.)	# TS	Calculated % Utilization	Target Student Capacity = 2,000 Target Utilization Rate = 85% <i>85% Utilization uses TSs roughly 7 of 8 periods/day.</i>
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NET Building Area:

349,131

133

78%

CAPACITY AT 100% Utilization = 2570

6.2

Average periods teaching stations are used, out of 8/day
(85% Utilization uses TSs roughly 7 of 8 periods/day)

1.4.

Gross Building Area:

488,783

Estimated Grossing Factor = 1.4

State College Area High School

FACILITY SPACE PROGRAM

UPDATED: 8/21/13

Spaces may change, depending on master planning strategy selected by the School Board.

1.0 9th GRADE LEARNING COMMUNITY

SPACE DESCRIPTION	Total # of Spaces	Area of Ea. Sp. (sq. ft.)	Net Area Sub-Total (sq. ft.)	# TS	Student Capacity (100%)	COMMENTS
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1.01 Core Learning & Support		PROPOSED				COMMENTS:	
.01	Core Learning: Type A (regular)	8	850	6,800	8	160	
.02	Core Learning: Type B (smaller)	2	450	900	1	20	small classes, tutoring, testing, peer to peer tutoring
.03	Core Learning: Type C (larger)	2	1,200	2,400	2	40	could be used as technology/computer labs
.04	Core Learning: Type D (LGI)	1	2,400	2,400	-	0	Dividable. Large group, Projects + Presentations
.05	World Language Classrooms	2	850	1,700	2	40	
.06	Resource Learning	2	450	900	-	0	no capacity shown for pull-out sped programs
.07	Small Group Rooms	4	100	400	-	0	
Sub-Total:				15,500	13	260	

1.02 9th Grade Science		PROPOSED				COMMENTS:	
.01	Science Labs	4	1,400	5,600	4	80	NSTA recommends 3-4 labs/grade level for 2,400 studen
.02	Science Prep Rooms	2	200	400	-	0	
.03	Shared Storage	1	100	100	-	0	
Sub-Total:				6,100	4	80	

1.03 Student Commons		PROPOSED				COMMENTS:	
.01	Student Commons	2	600	1,200	-	0	
.02	Academy Showcase Space	2	80	160	-	0	
.03	Commons - Open Project Area	2	600	1,200	-	0	
.04	Kitchenette/Vending	2	50	100	-	0	
.05	Club Home-Base Room	2	100	200	-	0	
.06	Commons Storage	2	100	200	-	0	
.07	Student Lockers			0	-	0	(typically counted as gross area)
.08	Student Restrooms			0	-	0	(typically counted as gross area)
Sub-Total:				3,060	0	0	

1.04 Staff Support		PROPOSED				COMMENTS:	
.01	Teacher Planning	2	600	1,200	-	0	
.02	Instructional Materials	2	100	200	-	0	
.03	Teacher Task Rooms	4	50	200	-	0	
.04	Private Offices	2	120	240	-	0	
.05	Conference Rooms	2	200	400	-	0	
.06	Staff Restrooms			0	-	0	(typically counted as gross area)
Sub-Total:				2,240	0	0	

SUBTOTALS:	PROPOSED BUILDING		CALCULATIONS:	
1.0 9th GRADE LEARNING COMMUNITY	Net Area Sub-Total (Sq. Ft.)	# TS	Student Capacity 100%	Utilization Rate = 85%
	26,900	17	340	Student Capacity X Utilization Rate = 289

State College Area High School

FACILITY SPACE PROGRAM

UPDATED: 8/21/13

Spaces may change, depending on master planning strategy selected by the School Board.

Important: Adjacent to Visual & Performing Arts Components

2.0 FINE ARTS LEARNING COMMUNITY

SPACE DESCRIPTION	Total # of Spaces	Area of Ea. Sp. (sq. ft.)	Net Area Sub-Total (sq. ft.)	# TS	Student Capacity (100%)	COMMENTS
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2.01 Core Learning & Support

PROPOSED						COMMENTS:	
.01	Core Learning: Type A (regular)	6	850	5,100	6	120	
.02	Core Learning: Type B (smaller)	2	450	900	1	20	small classes, tutoring, testing, peer to peer tutoring
.03	Core Learning: Type C (larger)	2	1,200	2,400	2	40	could be used as technology/computer labs
.04	Core Learning: Type D (LGI)	1	2,400	2,400	-	0	Dividable. Large group, Projects + Presentations
.05	Resource Learning	2	450	900	-	0	no capacity shown for pull-out sped programs
.06	Small Group Rooms	4	100	400	-	0	
Sub-Total:				12,100	9	180	

2.02 Science

PROPOSED						COMMENTS:	
.01	Science Labs	4	1,400	5,600	4	80	
.02	Science Prep Rooms	2	200	400	-	0	
.03	Shared Storage	1	100	100	-	0	
.04				0	-	0	
Sub-Total:				6,100	4	80	

2.03 Student Commons

PROPOSED						COMMENTS:	
.01	Student Commons	2	600	1,200	-	0	
.02	Academy Showcase Space	2	80	160	-	0	
.03	Commons - Open Project Area	2	600	1,200	-	0	
.04	Kitchenette/Vending	2	50	100	-	0	
.05	Club Home-Base Room	2	100	200	-	0	
.06	Commons Storage	2	100	200	-	0	
.07	Student Lockers			0	-	0	(typically counted as gross area)
.08	Student Restrooms			0	-	0	(typically counted as gross area)
Sub-Total:				3,060	0	0	

2.04 Staff Support

PROPOSED						COMMENTS:	
.01	Teacher Planning	2	600	1,200	-	0	
.02	Instructional Materials	2	100	200	-	0	
.03	Teacher Task Rooms	4	50	200	-	0	
.04	Private Offices	2	120	240	-	0	
.05	Conference Rooms	2	200	400	-	0	
.06	Staff Restrooms			0	-	0	(typically counted as gross area)
Sub-Total:				2,240	0	0	

SUBTOTALS:

PROPOSED BUILDING

CALCULATIONS:

2.0 FINE ARTS LEARNING COMMUNITY	Net Area Sub-Total (Sq. Ft.)	Student Capacity (100%)	Utilization Rate = 85%
	23,500	13 260	Student Capacity X Utilization Rate = 221

State College Area High School

FACILITY SPACE PROGRAM

UPDATED: 8/21/13

Spaces may change, depending on master planning strategy selected by the School Board.

3.0 BUSINESS & MARKETING LEARNING COMMUNITY

SPACE DESCRIPTION	Total # of Spaces	Area of Ea. Sp. (sq. ft.)	Net Area Sub-Total (sq. ft.)	# TS	Student Capacity (100%)	COMMENTS
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3.01 Core Learning & Support

PROPOSED						COMMENTS:	
.01	Core Learning: Type A (regular)	6	850	5,100	6	120	
.02	Core Learning: Type B (smaller)	2	450	900	1	20	small classes, tutoring, testing, peer to peer tutoring
.03	Core Learning: Type C (larger)	2	1,200	2,400	2	40	could be used as technology/computer labs
.04	Core Learning: Type D (LGI)	1	2,400	2,400	-	0	Dividable. Large group, Projects + Presentations
.05	Resource Learning	2	450	900	-	0	no capacity shown for pull-out sped programs
.06	Small Group Rooms	4	100	400	-	0	
Sub-Total:				12,100	9	180	

3.02 Science

PROPOSED						COMMENTS:	
.01	Science Labs	4	1,400	5,600	4	80	
.02	Science Prep Rooms	2	200	400	-	0	
.03	Shared Storage	1	100	100	-	0	
Sub-Total:				6,100	4	80	

3.03 Business & Management

PROPOSED						COMMENTS:	
.01	Classroom: Accounting/Finance	1	900	900	1	20	
.02	Classroom: Entrepreneurship	1	900	900	1	20	
.03	Classroom: Marketing	1	900	900	1	20	supply chain
.04	Roar Store	1	900	900	-	0	
CTC .05	Classroom: Diversified Occ	1	900	900	1	20	could be located with CTC
.06	Business/Management Office	2	200	400	-	0	
.07	Supply/Materials Storage	1	100	100	-	0	
Sub-Total:				5,000	4	80	

3.04 Student Commons

PROPOSED						COMMENTS:	
.01	Student Commons	2	600	1,200	-	0	
.02	Academy Showcase Space	2	80	160	-	0	
.03	Commons - Open Project Area	2	600	1,200	-	0	
.04	Kitchenette/Vending	2	50	100	-	0	
.05	Club Home-Base Room	2	100	200	-	0	
.06	Commons Storage	2	100	200	-	0	
.07	Student Lockers			0	-	0	(typically counted as gross area)
.08	Student Restrooms			0	-	0	(typically counted as gross area)
Sub-Total:				3,060	0	0	

3.05 Staff Support

PROPOSED						COMMENTS:	
.01	Teacher Planning	2	600	1,200	-	0	
.02	Instructional Materials	2	100	200	-	0	
.03	Teacher Task Rooms	4	50	200	-	0	
.04	Private Offices	2	120	240	-	0	
.05	Conference Rooms	2	200	400	-	0	
.06	Staff Restrooms			0	-	0	(typically counted as gross area)
Sub-Total:				2,240	0	0	

SUBTOTALS:

PROPOSED BUILDING

CALCULATIONS:

3.0 BUSINESS & MARKETING LC	Net Area Sub-Total (Sq. Ft.)	# TS	Student Capacity 100%	Utilization Rate = 85%
	28,500	17	340	Student Capacity X Utilization Rate = 289

State College Area High School

FACILITY SPACE PROGRAM

UPDATED: 8/21/13

Spaces may change, depending on master planning strategy selected by the School Board.

Important: Adjacent to PE/Athletics Component

4.0 HEALTH & HUMAN SERVICES LEARNING COMMUNITY

SPACE DESCRIPTION	Total # of Spaces	Area of Ea. Sp. (sq. ft.)	Net Area Sub-Total (sq. ft.)	# TS	Student Capacity (100%)	COMMENTS
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4.01 Core Learning & Support		PROPOSED			COMMENTS:		
.01	Core Learning: Type A (regular)	6	850	5,100	6	120	
.02	Core Learning: Type B (smaller)	20	450	900	1	20	small classes, tutoring, testing, peer to peer tutoring could be used as technology/computer labs
.03	Core Learning: Type C (larger)	2	1,200	2,400	2	40	Dividable. Large group, Projects + Presentations
.04	Core Learning: Type D (LGI)	1	2,400	2,400	-	0	no capacity shown for pull-out sped programs
.05	Resource Learning	2	450	900	-	0	
.06	Small Group Rooms	4	100	400	-	0	
Sub-Total:				12,100	9	180	

4.02 Science		PROPOSED			COMMENTS:		
.01	Science Labs	4	1,400	5,600	4	80	
.02	Science Prep Rooms	2	200	400	-	0	
.03	Shared Storage	1	100	100	-	0	
Sub-Total:				6,100	4	80	

4.03 Applied Labs & Support		PROPOSED			COMMENTS:		
CTC .01	Applied Lab: Health Occupations	1	1,800	1,800	1	20	size of 2 classrooms. locate near Training Room/Fitness
.02	Health Occupations Office	1	120	120	-	0	
.03	Supply/Materials Storage	1	100	100	-	0	
CTC .04	Applied Learning Lab: Culinary	1	2,400	2,400	1	20	
.05	Dining/Café	1	600	600	-	0	
.06	Culinary Office	1	120	120	-	0	
.07	Culinary Storage	1	100	100	-	0	
CTC .08	Early Childhood Education	1	900	900	1	20	Combine ECE & Child Development?
.09	Child Development Program	1	900	900	1	20	
.10	Toddler Area	1	400	400	-	0	connection to outdoor area
.11	Restroom/Changing	1	100	100	-	0	
.12	Kitchenette	1	100	100	-	0	
.13	Storage	1	100	100	-	0	
.14	Office	1	120	120	-	0	
.15	Conference Room	1	400	400	-	0	also use for Relationships & Communications program
.16	Applied Learning Lab: FACS/Foods	1	1,500	1,500	1	20	
.17	Teacher Planning Office	1	120	120	-	0	
.18	Dressing/Changing/Laundry	1	80	80	-	0	
.19	Pantry	1	80	80	-	0	
.20	General Storage	1	80	80	-	0	
Sub-Total:				10,120	5	100	

4.04 Student Commons		PROPOSED			COMMENTS:		
.01	Student Commons	2	600	1,200	-	0	
.02	Academy Showcase Space	2	80	160	-	0	
.03	Commons - Open Project Area	2	600	1,200	-	0	
.04	Kitchenette/Vending	2	50	100	-	0	
.05	Club Home-Base Room	2	100	200	-	0	
.06	Commons Storage	2	100	200	-	0	
.07	Student Lockers			0	-	0	(typically counted as gross area)
.08	Student Restrooms			0	-	0	(typically counted as gross area)
Sub-Total:				3,060	0	0	

4.05 Staff Support		PROPOSED			COMMENTS:		
.01	Teacher Planning	2	600	1,200	-	0	
.02	Instructional Materials	2	100	200	-	0	
.03	Teacher Task Rooms	4	50	200	-	0	
.04	Private Offices	2	120	240	-	0	
.05	Conference Rooms	2	200	400	-	0	
.06	Staff Restrooms			0	-	0	(typically counted as gross area)
Sub-Total:				2,240	0	0	

SUBTOTALS:	PROPOSED BUILDING	CALCULATIONS:
4.0 HEALTH & HUMAN SERVICES LC	Net Area Sub-Total (Sq. Ft.)	Student Capacity (100%)
	33,620	18 360
		Utilization Rate = 85%
		Student Capacity X Utilization Rate = 306

State College Area High School

FACILITY SPACE PROGRAM

UPDATED: 8/21/13

Spaces may change, depending on master planning strategy selected by the School Board.

5.0 S.T.E.M. LEARNING COMMUNITY

SPACE DESCRIPTION	Total # of Spaces	Area of Ea. Sp. (sq. ft.)	Net Area Sub-Total (sq. ft.)	# TS	Student Capacity (100%)	COMMENTS
5.01 Core Learning & Support	2013 PROGRAM					COMMENTS:
.01 Core Learning: Type A (regular)	6	850	5,100	6	120	
.02 Core Learning: Type B (smaller)	2	450	900	1	20	small classes, tutoring, testing, peer to peer tutoring
.03 Core Learning: Type C (larger)	2	1,200	2,400	2	40	could be used as technology/computer labs
.04 Core Learning: Type D (LGI)	1	2,400	2,400	-	0	Dividable. Large group, Projects + Presentations
.05 Resource Learning	2	450	900	-	0	no capacity shown for pull-out sped programs
.06 Small Group Rooms	4	100	400	-	0	
Sub-Total:			12,100	9	180	
5.02 Science	2013 PROGRAM					COMMENTS:
.01 Science Labs	2	1,400	2,800	2	40	
.02 Science Prep Rooms	1	200	200	-	0	
.03 Shared Storage	1	100	100	-	0	
Sub-Total:			3,100	2	40	
5.03 Tech Ed	2013 PROGRAM					COMMENTS:
TE .01 Applied Lab: Woods (Materials/Engineering/Processing)	1	2,800	2,800	1	20	Current space is 1,885sf
TE .02 Applied Lab: Computer Graphics	1	1,800	1,800	1	20	Current space is 1,634sf
TE .03 Supply/Materials Storage	2	100	200	-	0	combine or divide as necessary
TE .04 Equipment Storage/Tool Room	1	200	200	-	0	
Sub-Total:			5,000	2	40	
5.04 CTC	2013 PROGRAM					COMMENTS:
CTC .01 Applied Lab: Drafting/Design	1	1,800	1,800	1	20	Current is 1,222sf
CTC .02 Applied Lab: Network (CISCO)	1	1,800	1,800	1	20	Current is 1,230sf
CTC .03 Applied Lab: Engineering/Technology	1	1,800	1,800	1	20	also open to science, CTC, etc. to use as lab facility
CTC .04 Applied Lab: Automotive	1	2,800	2,800	1	20	Current is 1,729sf
CTC .05 Applied Lab: Construction	1	2,800	2,800	1	20	Current is 1,729sf
CTC .06 Applied Lab: Agriculture	1	2,800	2,800	1	20	Current is 2,375sf
CTC .07 Greenhouse, with drip irrigation	1	600	500	-	0	access from Ag Lab, also include outdoor growing area
CTC .08 Supply/Materials Storage	7	100	700	-	0	combine or divide as necessary
CTC .09 Equipment Storage/Tool Rooms	3	200	600	-	0	combine or divide as necessary
Sub-Total:			15,600	6	120	
5.05 Student Commons & Support	2013 PROGRAM					COMMENTS:
.01 Shared Classrooms	2	850	1,700	-	0	not counted towards student capacity
.02 Conference / Small Group Rooms	4	200	800	-	0	
.03 S.T.E.M. Commons	2	600	1,200	-	0	
.04 STEM Showcase / Transaction	6	200	1,200	-	0	
.05 Kitchenette/Vending			0	-	0	
.06 Student Lockers			0	-	0	(typically counted as gross area)
.07 Student Restrooms			0	-	0	(typically counted as gross area)
0			4,900	0	0	
5.06 Staff Support	2013 PROGRAM					COMMENTS:
.01 Teacher Centers (Office, Planning, etc.)	4	600	2,400	-	0	
.02 Instructional Materials/Resources Storage	2	100	200	-	0	
.03 Teacher Task Rooms	4	50	200	-	0	
.04 Private Offices	6	120	720	-	0	
.05 Conference Rooms	4	200	800	-	0	
.06 Staff Restrooms			0	-	0	(typically counted as gross area)
0			4,320	0	0	
5.07 Outdoor Areas (no SqFt counted)	2013 PROGRAM					COMMENTS:
.01 Outdoor Covered Storage	2	600	-	-	0	easy access for deliveries
.02 Outdoor Instruction / Project Yard	2	1,500	-	-	0	access from applied labs
.03 Outdoor Auto Area	1	600	-	-	0	access from Automotive Lab
.04 Outdoor Agricultural Area	1	600	-	-	0	access from Ag Lab
0			0	0	0	
SUB-TOTALS:	PROPOSED BUILDING			CALCULATIONS:		
5.0 S.T.E.M. PROGRAMS	Net Area Sub-Total (Sq. Ft.)		# TS	Student Capacity 100%	Utilization Rate = 85%	
	56,300		19	380	Student Capacity X Utilization Rate = 323	

State College Area High School

FACILITY SPACE PROGRAM

UPDATED: 8/21/13

Spaces may change, depending on master planning strategy selected by the School Board.

6.0 SPECIALTY PROGRAMS

SPACE DESCRIPTION	Total # of Spaces	Area of Ea. Sp. (sq. ft.)	Net Area Sub-Total (sq. ft.)	# TS	Student Capacity (100%)	COMMENTS
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6.01 World Languages		2013 PROGRAM					COMMENTS:
.01	Core Learning: Type A (regular)	8	850	6,800	8	160	PLUS 2 classrooms in 9th Grade Cluster for upper-level courses with fewer students
.02	Core Learning: Type B (smaller)	2	600	1,200	2	0	
.03	Language Commons (w/Kitchenette)	1	450	450	-	0	
.04	Teacher Planning	1	450	450	-	0	
.05	Storage	1	100	100	-	0	
Sub-Total:				9,000	10	160	(12 Language Classrooms Total)

6.02 Special Education		2013 PROGRAM					COMMENTS:
.01	Core Learning: Specialized	4	800	3,200	4	40	
.02	Special Needs Restroom/Changing	2	100	200	-	0	
.03	Resource Rooms (within Learning Communities)			0	-	0	
.04	OT/PT Room	1	400	400	-	0	
.05	OT/PT & Adaptive Skills Equip. Storage	1	100	100	-	0	
.06	Sensory Room	1	200	200	-	0	
.07	Small Group Rooms	2	100	200	-	0	
.08	SpEd Offices	2	120	240	-	0	
.09	Teacher Prep/Workroom	1	200	200	-	0	
.10	Conference/IEP Room	1	200	200	-	0	
.11	General Storage	2	100	200	-	0	
Sub-Total:				5,140	4	40	

6.03 ELL Program		2013 PROGRAM					COMMENTS:
.01	Core Learning: ELL	1	900	900	1	10	Dividable
.02				0	-	0	
Sub-Total:				900	1	10	

SUB-TOTALS:

SUB-TOTALS:	PROPOSED BUILDING		CALCULATIONS:	
6.0 SPECIALTY PROGRAMS	Net Area Sub-Total (Sq. Ft.)	# TS	Student Capacity (100%)	Utilization Rate = 85%
	15,041	15	210	Student Capacity X Utilization Rate = 179

State College Area High School

FACILITY SPACE PROGRAM

UPDATED: 8/21/13

Spaces may change, depending on master planning strategy selected by the School Board.

7.0 VISUAL & PERFORMING ARTS

SPACE DESCRIPTION	Total # of Spaces	Area of Ea. Sp. (sq. ft.)	Net Area Sub-Total (sq. ft.)	# TS	Student Capacity (100%)	COMMENTS
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7.01 Visual Arts	2013 PROGRAM				COMMENTS:	
.01 Art Studio	2	1,200	2,400	2	40	
.02 Design Consultation Center	1	1,000	1,000	1	20	
.03 Kiln Room/Clay Storage	1	200	200	-	0	
.04 Supply Storage	2	200	400	-	0	
.05 Project Storage	2	200	400	-	0	
.06 Art Office / Art Resources	1	200	200	-	0	
.07 Project Showcase / Gallery	1	200	200	-	0	
Sub-Total:			4,800	3	60	

7.02 Performing Arts: Music	2013 PROGRAM				COMMENTS:	
.01 General Music	1	1,600	1,600	1	20	
.02 Instrumental Music	1	2,400	2,400	1	20	
.03 Music Theory / Digital Music	1	1,200	1,200	1	20	
.04 Ensemble/Sections (Large Practice)	1	200	200	-	0	
.05 Practice Rooms	4	50	200	-	0	
.06 Instrument Storage	1	400	400	-	0	
.07 Recording Room / Sound Equipment	1	50	50	-	0	
.08 Music Resources/Library	1	100	100	-	0	high density storage, if not, need larger room
.09 Uniform / Robe Storage	1	400	400	-	0	
.10 Equipment Storage	1	400	400	-	0	
.11 Music Office	1	250	250	-	0	
.12 Music Commons	1	400	400	-	0	
Sub-Total:			7,600	3	60	

7.03 Performing Arts: Theater	2013 PROGRAM				COMMENTS:	
.01 Theater Seating (900 seats)	1	8,100	8,100	-	0	theater/concert hall (should accommodate 1.5 grade
.02 Stage / Orchestra Pit	1	3,000	3,000	-	0	
.03 Control Booth	1	100	100	-	0	
.04 Dressing Rooms	2	200	400	-	0	
.05 Restrooms	2	50	100	-	0	
.06 Scene Shop	1	1,000	1,000	-	0	OH door to stage, washer/dryer
.07 Scene/Prop Storage	1	400	400	-	0	
.08 Costume Shop/Makeup Room	1	400	400	-	0	
.09 General Storage	1	200	200	-	0	
.10 PA/Theater Office	1	150	150	-	0	
.11 Box Office	1	100	100	-	0	
.12 Black Box Theater	1	3,000	3,000	1	20	opens to telescoping seating for use as mini-theater
.13 Art SMART Commons	1	600	600	-	0	open area
.14 Art SMART Office/Storage	1	120	120	-	0	
Sub-Total:			17,670	1	20	

SUB-TOTALS:

7.0 VISUAL & PERFORMING ARTS	PROPOSED BUILDING	CALCULATIONS:
	Net Area Sub-Total (Sq. Ft.)	Utilization Rate = 85%
	30,070	Student Capacity X Utilization Rate = 119
	# TS	
	7	
	Capacity	
	140	

State College Area High School

FACILITY SPACE PROGRAM

UPDATED: 8/21/13

Spaces may change, depending on master planning strategy selected by the School Board.

8.0 LIBRARY, LE & TECHNOLOGY

2013 PROGRAM

SPACE DESCRIPTION	Total # of Spaces	Area of Ea. Sp. (sq. ft.)	Net Area Sub-Total (sq. ft.)	# TS	Student Capacity (100%)	COMMENTS
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8.01 Library/Media Resources

2013 PROGRAM		# TS	Student Capacity (100%)	COMMENTS:
.01 Library/Media Center	1 5,800 5,800	-	0	Includes: Circulation, reading room, collections/bookstacks
.02 Media Café	1 400 400	-	0	could "leak" outside of formal library space into adjacent commons
.03 Small Group Rooms	4 100 400	-	0	
.04 Collegiate Lecture Hall	1 1,400 1,400	-	0	Lecture space: high end technology, adjacent to tv studio
.05 Media Specialist & Staff Office	1 250 250	-	0	
.06 Workroom/Storage	1 250 250	-	0	
.07 Library Restrooms	2 50 100	-	0	
.08 Staff Professional Library	1 400 400	-	0	
Sub-Total:	9,000	0	0	

8.02 Learning Enrichment

2013 PROGRAM		# TS	Student Capacity (100%)	COMMENTS:
.01 LE Office	1 200 200	-	0	
.02 Learning Enrichment	1 1,800 1,800	2	50	"open" to Media Café & Reading room
.03 LE - Art Smart	1 1,800 1,800	2	50	Near Arts Cluster
.04 Storage	1 200 200	-	0	
Sub-Total:	4,000	4	100	

8.03 TE/Media Communications

2013 PROGRAM		# TS	Student Capacity (100%)	COMMENTS:
.01 Video/TV Studio	1 600 600	-	0	adjacent to Lecture Hall
.02 Video/TV Control & Editing	1 200 200	-	0	
.03 Storage	1 50 50	-	0	
.04 Yearbook/Journalism	1 250 250	-	0	
Sub-Total:	1,100	0	0	

8.04 Technology Support

2013 PROGRAM		# TS	Student Capacity (100%)	COMMENTS:
.01 Technology Office	1 150 150	-	0	students devices provided by district . students allowed to bring ow
.02 Tech Equipment Maintenance	1 150 150	-	0	how the facility supports the effective use and operational for the w
.03 Equipment Storage	1 300 300	-	0	security of devices is important
.04 Help Desk/Equipment Check-out	1 200 200	-	0	
.05 Network Center/Server Room	1 1,000 1,000	-	0	HS is network center for entire district, outside access, can be any
Sub-Total:	1,800	0	0	

SUB-TOTALS:

PROPOSED BUILDING

CALCULATIONS:

8.0 LIBRARY, LE & TECHNOLOGY	Net Area Sub-Total (Sq. Ft.)	# TS	Student Capacity 100%	Utilization Rate = 85%
	15,900	4	100	Student Capacity X Utilization Rate = 85

State College Area High School

FACILITY SPACE PROGRAM

UPDATED: 8/21/13

Spaces may change, depending on master planning strategy selected by the School Board.

9.0 PHYS ED, HEALTH & ATHLETICS

Important: Adjacent to Health & Human Services Academy

SPACE DESCRIPTION	Total # of Spaces	Area of Ea. Sp. (sq. ft.)	Net Area Sub-Total (sq. ft.)	# TS	Student Capacity (100%)	COMMENTS
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9.01 Physical Instruction	2013 PROGRAM					COMMENTS:
.01 Main Gymnasium/Indoor Track	1	16,000	16,000	1	20	
.02 Auxiliary Gymnasium	2	9,000	18,000	2	40	2 cross courts each
.03 Wrestling/Aerobics/Dance/Yoga	1	3,000	3,000	1	20	sized for 2 wrestling mats (38'x38', 28' circle min)
.04 Fitness / Weight Room	1	3,000	3,000	1	20	can be combined with cardio area
.05 Fitness / Cardio Area (within Weight Room)	1	2,000	2,000	1	20	can be combined with weight area
.06 Health Classrooms	2	800	1,600	2	40	
.07 Natatorium	1	12,000	12,000	1	20	
.08 Driver's Education	1	800	800	1	20	
.09			0	-	0	
.10			0	-	0	
Sub-Total:			56,400	10	200	

9.02 PE/Athletics: Support	2013 PROGRAM					COMMENTS:
.01 PE Locker Rooms	2	2,000	4,000	-	0	
.02 PE Storage	3	800	2,400	-	0	
.03 PE Office / Workroom (6 office stations, total)	2	400	800	-	0	for 6 staff
.04 Athletics Director Office	1	300	300	-	0	
.05 Athletics Director Admin	1	100	100	-	0	
.06 Athletics Director Storage	1	50	50	-	0	
.07 Athletics Locker Rooms	2	2,000	4,000	-	0	
.08 Athletics Equipment Storage	1	800	800	-	0	
.09 Coaches Office / Workroom / Resources	2	400	800	-	0	
.10 Staff/Coaches Locker/Showers	2	200	400	-	0	
.11 Training Room (incl office & storage)	1	1,200	1,200	-	0	also serves Health Occ. program
.12 Bag Room	2	300	600	-	0	
.13 Pool Shower/Locker Rooms	2	1,000	2,000	-	0	
.14 Laundry	1	120	120	-	0	
.15 Conference/Team Room	1	1,000	1,000	1	20	can be used as additional health classroom
.16 Pool Equip. Storage	1	800	800	-	0	
.17 Private PE Offices	3	120	360	-	0	Pool, PE Dept head, +1
.18 Adaptive PE Equipment Storage	1	200	200	-	0	
Sub-Total:			19,930	1	20	

9.03 PE/Athletics: Amenities	2013 PROGRAM					COMMENTS:
.01 Gymnasium Prefunction Area	1	800	800	-	0	+ gross area. Include display & trophy cases
.02 Concessions	1	400	400	-	0	includes dry storage
.03 Public / Spectator Restrooms	2		0	-	0	(typically counted as gross area)
.04 Community Equipment Storage	2	200	400	-	0	
Sub-Total:			1,600	0	0	

SUB-TOTALS:	PROPOSED BUILDING			CALCULATIONS:
9.0 PHYS ED, HEALTH & ATHLETICS	Net Area Sub-Total (Sq. Ft.)	# TS	Student Capacity (100%)	Utilization Rate = 85%
	77,930	11	220	Student Capacity X Utilization Rate = 187

State College Area High School

FACILITY SPACE PROGRAM

UPDATED: 8/21/13

Spaces may change, depending on master planning strategy selected by the School Board.

10.0 ADMIN & STUDENT SERVICES

SPACE DESCRIPTION	Total # of Spaces	Area of Ea. Sp. (sq. ft.)	Net Area Sub-Total (sq. ft.)	COMMENTS
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10.01 Administration		2013 PROGRAM		COMMENTS:	
.01	Welcome/Security Desk	1	150	150	needs to be responsible for visitor control
.02	Reception / Waiting	1	400	400	
.03	Receptionist	1	150	150	
.04	Deliveries Alcove	1	20	20	control by security
.05	Administrative Assistants	5	80	400	
.06	Principal Office	2	200	400	Maintain 2 principals, 9-10 + 11-12
.07	Assistant Principal Offices	4	150	600	
.08	General Administrative Offices	6	120	720	business office needs lockable door
.09	Large Conference Room	1	400	400	
.10	Small Conference Room	1	200	200	
.11	Attendance Clerks	1	200	200	shared office, teller window to commons
.12	Security Offices	2	120	240	control for desires to office, Probation
.13	Records Room (Secured)	1	100	100	testing materials, records, etc.
.14	Vault (confidential records)	1	100	100	shared office, teller window to commons
.15	Workroom / Mail Room	1	400	400	mail sorted by principal's asst with help from students
.16	Teacher Lounge w/Kitchenette	1	400	400	access without going through office
.17	Storage	1	100	100	
.18	Staff Restrooms	2	50	100	
.19	Activities Director (A. P.)	1	150	150	transaction window, near vault/safe, workroom, storage
.20	Activities Assistant	1	80	80	easy access to public/commons, and to vault, close to gym as possible
.21	Activities Storage Closet	1	20	20	shelving storage for supplies, equip., walkie-talkies, etc.
.22	Lost & Found Alcove	1	20	20	easily accessible
.23	Office staff break room/kitchenette	1	150	150	separate from teacher break room
Sub-Total:				5,500	

10.02 Student Services		2013 PROGRAM		COMMENTS:	
.01	Reception / Waiting	1	200	200	
.02	Receptionist	1	80	80	
.03	Counselor Offices	8	120	960	
.04	Social Worker Office	1	120	120	
.05	Psychologist	1	120	120	
.06	Speech	1	120	120	
.07	Transition Coordinator	1	120	120	
.08	Itinerant Workstations (Group Office)	1	240	240	
.09	Career/College Coach	1	120	120	
.10	Career/College Resource Center	1	500	500	
.11	Career/Internship Coordinator	1	120	120	
.12	Workroom / Storage	1	100	100	includes copier(s)
.13	Records Room (Secured)	1	80	80	
.14	Conference Room	1	250	250	
.15	Small Conference Room / Testing	1	150	150	
.16	Test Materials Storage	1	80	80	secure room
.17	Staff Restrooms	2	50	100	
Sub-Total:				3,460	

10.03 Health Office		2013 PROGRAM		COMMENTS:	
.01	Nurse Office	1	150	150	confidentiality
.02	Exam/Treatment	1	140	140	
.03	Cot Area	2	150	300	3-4 cots, could be one larger space
.04	Restroom with Shower	1	80	80	
.05	Secure Storage	1	80	80	
Sub-Total:				750	

SUB-TOTALS:	PROPOSED BUILDING	CALCULATIONS:
10.0 ADMIN & STUDENT SERVICES	Net Area Sub-Total (Sq. Ft.)	
	9,710	

State College Area High School

FACILITY SPACE PROGRAM

UPDATED: 8/21/13

Spaces may change, depending on master planning strategy selected by the School Board.

11.0 STUDENT COMMONS / DINING

SPACE DESCRIPTION	Total # of Spaces	Area of Ea. Sp. (sq. ft.)	Net Area Sub-Total (sq. ft.)	COMMENTS
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11.01 Dining Commons

2013 PROGRAM				COMMENTS:	
.01	Dining Commons/Food Court	1	15,000	15,000	can be separated, includes food-court
.02	Staff Commons/Dining Area	1	1,000	1,000	
.03	Vending / Snacks	2	50	100	
.04	Table/Chair Storage	2	400	800	
.05	Student Commons: Club Hub			0	club spaces within classroom clusters
Sub-Total:				16,900	

11.02 Kitchen & Servery

2013 PROGRAM				COMMENTS:	
.01	Kitchen (Inclusive)	1	7,500	7,500	Wish to serve 2400 meals each day.
.02	Servery Stations			0	food court approach
.03	Point of Sale Stations			0	
.04	Kitchen: Food Prep			0	
.05	Kitchen: Dishwashing			0	
.06	Kitchen: Storage			0	
.07	Kitchen: Cold Storage			0	
.08	Food Services Office			0	
.09	Staff Lockers			0	
.10	Staff Restrooms			0	
.11	Food Services Laundry			0	
.12	Food Services Receiving Area			0	
.13	Elementary Commissary			0	commissary for all Elementary schools.
Sub-Total:				7,500	

SUB-TOTALS:

SUB-TOTALS:	PROPOSED BUILDING	CALCULATIONS:
11.0 STUDENT COMMONS / DINING	Net Area Sub-Total (Sq. Ft.)	
	24,400	

State College Area High School

FACILITY SPACE PROGRAM

UPDATED: 8/21/13

Spaces may change, depending on master planning strategy selected by the School Board.

12.0 BUILDING SERVICES

SPACE DESCRIPTION	Total # of Spaces	Area of Ea. Sp. (sq. ft.)	Net Area Sub-Total (sq. ft.)	COMMENTS
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12.01 Custodial Support	2013 PROGRAM			COMMENTS:
.01 Maintenance Office	1	200	200	
.02 Maintenance/Repair Area	1	800	800	
.03 Staff Locker Rooms	2	300	600	
.04 Staff Break Room	1	400	400	
.05 Custodial Equipment Storage	2	400	800	
.06 Custodial Closets			0	<i>gross area</i>
Sub-Total:			2,800	

12.02 Building Services	2013 PROGRAM			COMMENTS:
.01 Receiving Area	2	400	800	
.02 General Building Storage	2	600	1,200	
.03			0	
.04			0	
.05			0	
Sub-Total:			2,000	

SUB-TOTALS:	PROPOSED BUILDING	CALCULATIONS:
12.0 BUILDING SERVICES	Net Area Sub-Total (Sq. Ft.)	
	4,800	

State College Area High School

FACILITY SPACE PROGRAM

UPDATED: 8/21/13

Spaces may change, depending on master planning strategy selected by the School Board.

13.0 DELTA PROGRAM

SPACE DESCRIPTION	Total # of Spaces	Area of Ea. Sp. (sq. ft.)	Net Area Sub-Total (sq. ft.)	# TS	Student Capacity (100%)	COMMENTS
13.01 Delta Program	2013 PROGRAM					COMMENTS:
.01 Core Learning: Type A (regular)	8	800	6,400	8	160	
.02 Core Learning: Type B (smaller)	2	400	800	2	20	
.03 Applied Learning: Project Area	1	1,200	1,200	1	20	
.04 Science Lab	1	1,400	1,400	1	20	
.05 Science Prep	1	200	200	-	0	
.06 Resource Learning	2	400	800	-	0	
.07 Small Group Rooms	2	100	200	-	0	
.08 Student Commons/Kitchenette	1	800	800	-	0	
.09 Showcase Space	2	100	200	-	0	
.10			0	-	0	
Sub-Total:			12,000	12	220	

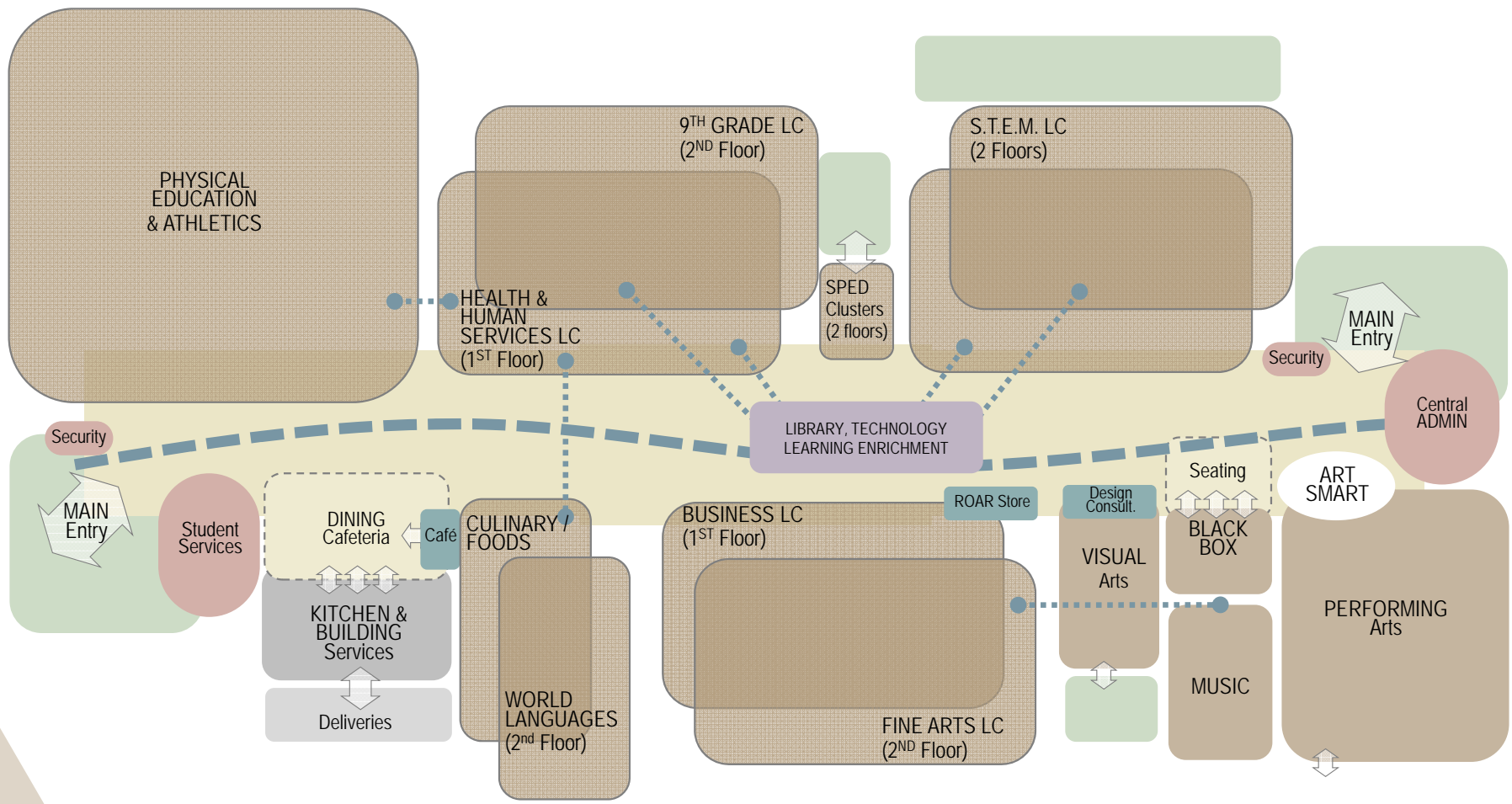
13.02 Delta Support Spaces	2013 PROGRAM					COMMENTS:
.01 Welcome Center / Receptionist	1	100	100	-	0	
.02 Director's Office	1	200	200	-	0	
.03 Private Offices	2	120	240	-	0	
.04 Teacher Planning	1	600	600	-	0	
.05 Teacher Task Rooms	2	50	100	-	0	
.06 Conference Room	1	200	200	-	0	
.07 General Storage	2	150	300	-	0	
.08 Student Restrooms			0	-	0	
.09 Staff Restrooms			0	-	0	
.10 Janitor Closet			0	-	0	
Sub-Total:			1,740	0	0	

SUB-TOTALS:

PROPOSED BUILDING

CALCULATIONS:

13.0 DELTA PROGRAM	Net Area Sub-Total (Sq. Ft.)	# TS	Student Capacity 100%	Utilization Rate = 85%
	13,740	12	220	Student Capacity X Utilization Rate = 187

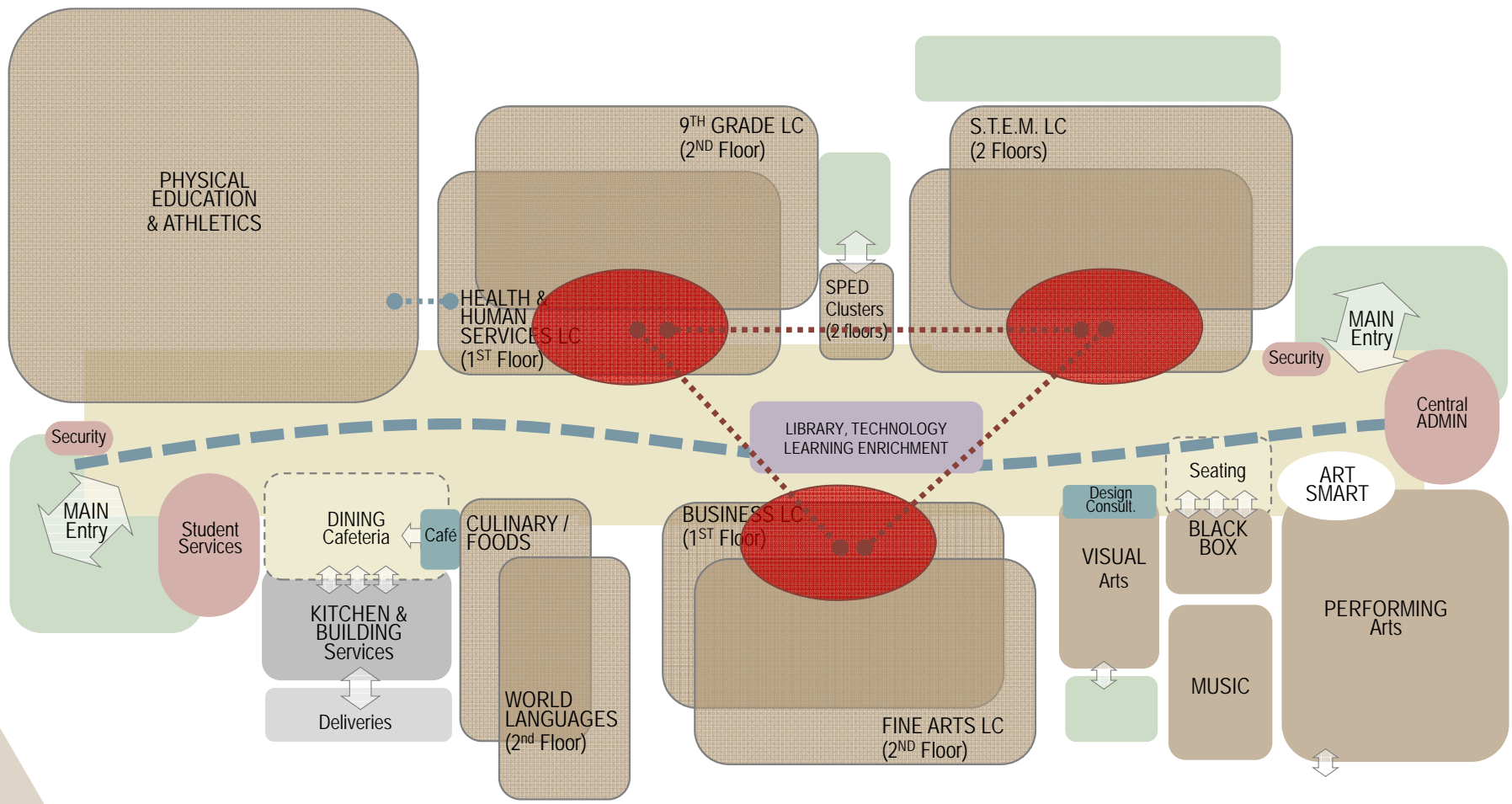


DELTA Program
Location to Be Determined

Planning Diagram: Overall Adjacencies

State College Area High School – August 22, 2013

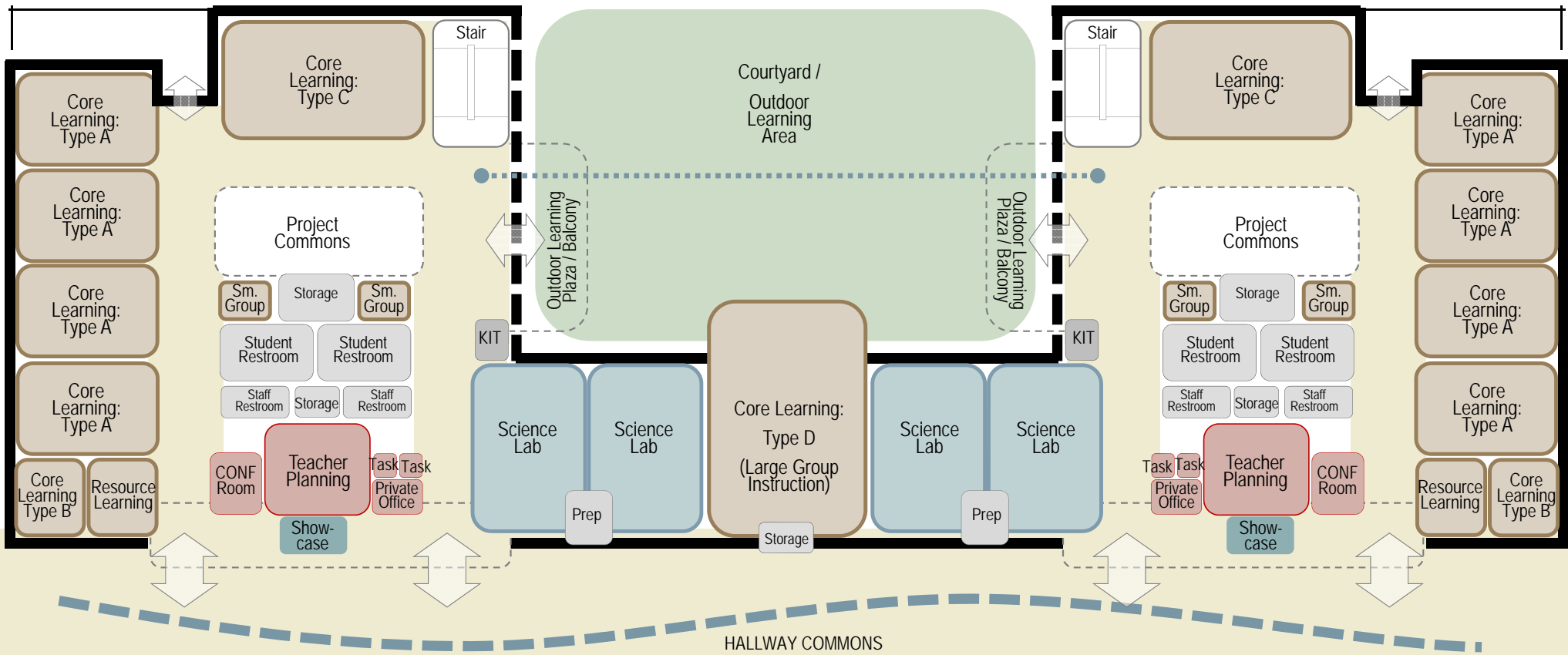


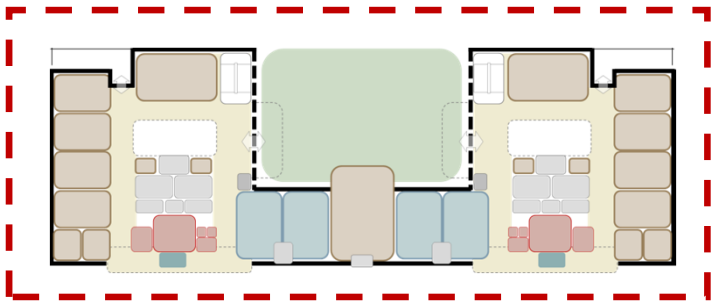


DELTA Program
Location to Be Determined

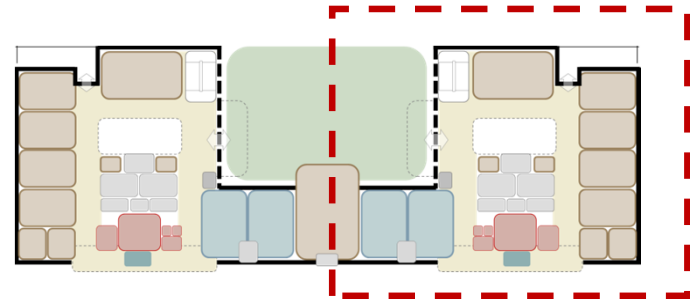
Planning Diagram: Location of Science Labs

State College Area High School – August 22, 2013

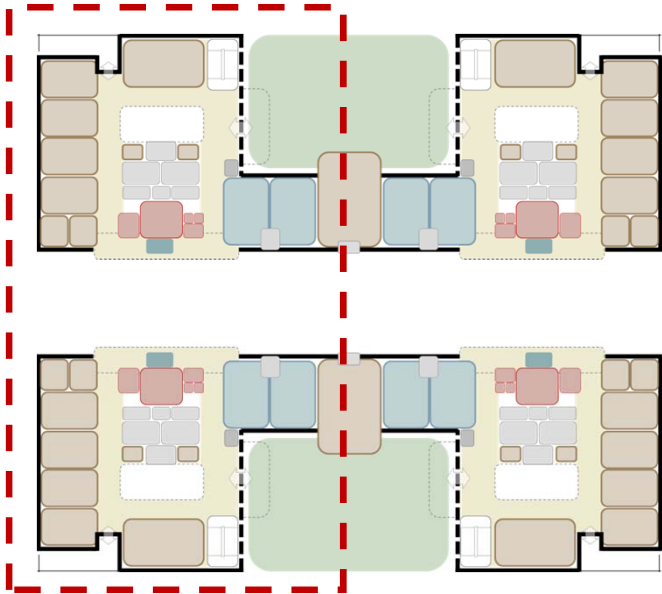




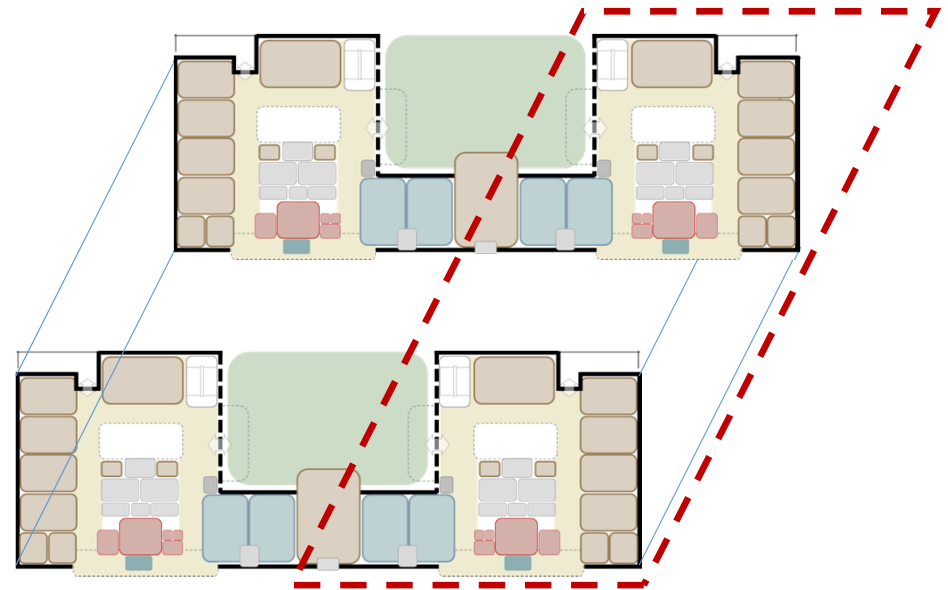
LC all in one cluster



LCs are dividable into smaller LCs



LCs can bridge across a hallway



LCs can be stacked on 2 floors