

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

To: Board of School Directors
From: Ed Poprik
RE: **Work Session Materials**
Date: September 16, 2013

Attached are a series of documents that may be used as reference and presentation materials at the September 16 work session for Item III (Facilities: High School Discussion).

- A - Option D: Composite Site Plan
- B - Site Analysis Graphic
- C - Site Analysis Graphic with Memorial Field
- D - BSI Ed Spec Comparison
- E - BSI Program Facility List
- F - BSI Planning Diagrams



2 AREA OF RENOVATION AND NEW CONSTRUCTION PLAN
SK-2 1" = 100'-0"

Building Area Legend
DEMOLITION
NEW
RENOVATION

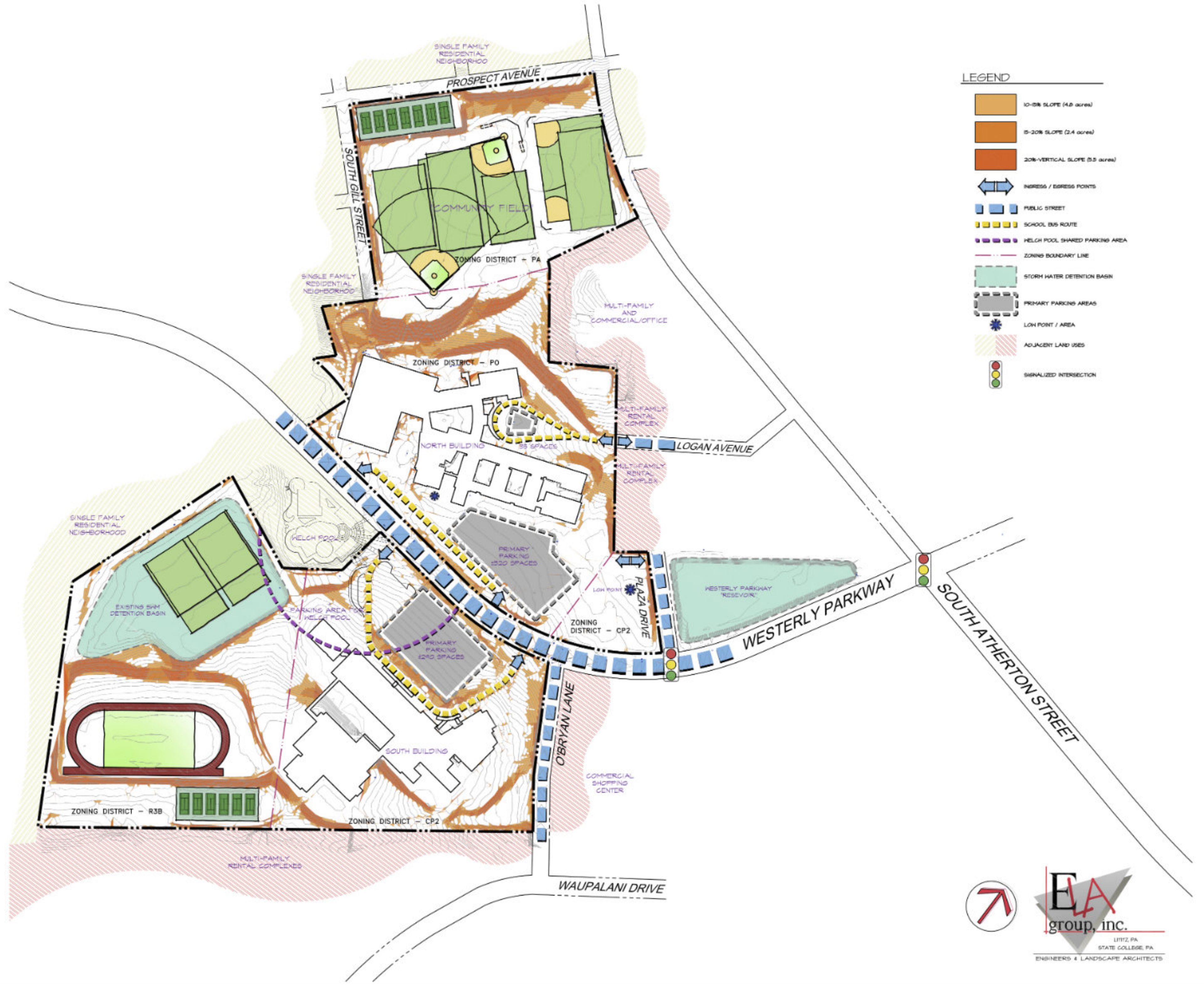


CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS

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MECHANICSBURG PA 17055
717-458-0272 FAX 717-458-0047

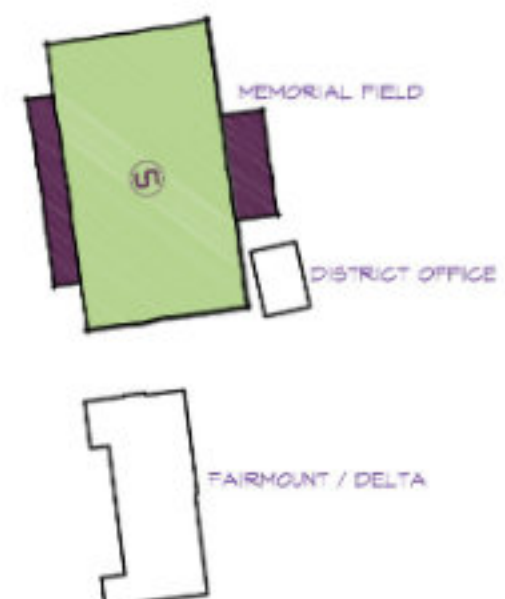
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COLLEGE AVENUE

BEAVER AVENUE



State College Area High School

Ed Spec Comparisons

9/10/2013

Ed Spec Comparisons	ACTUAL USE (2012-13)		2009 ED SPEC (DeJONG)		2013 ED SPEC		Reasoning
Average Enrollment (number of students) per Period =	2,108	students	2,400	students	2,400	students	Match 2009 target Enrollment for purpose of comparison.
Avg # of Periods each Teaching Station is used (out of 8) =	5.8	periods/day	6.8	periods/day	6.3	periods/day	The proposed number of periods per day more closely aligns with current practices.
Percent Utilization of Teaching Stations =	72.8%	27% unoccupied	85%	15% unoccupied	78%	22% unoccupied	The current percent utilization is low, but the 2009 proposal is unrealistic for current practices
Actual or Targeted average class size (regular ed classes only) =	18.5	students per class	24.0	students per class	24.0	students per class	Match 2009 target Class Sizes for purpose of comparison.
Number of Regular Ed Teaching Stations (not incl SpEd) =	122		130		129		(the proposed 2013 ed spec increases the number of SpEd spaces)
Net Area (square feet) =			350,870		350,000		

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.
- 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 2,400 STUDENTS

UPDATED: 9/11/13

SPACE CATEGORY	Net Area Sub-Total (sq. ft.)	No. Teaching Stations	Capacity @ 93% Utilization	Student Capacity 100%	COMMENTS
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Spaces may change, depending on master planning strategy selected by the School Board.

1.0 9th GRADE LEARNING COMMUNITY			93%	20	
1.01 Core Learning & Support	13,800	10	187	200	
1.02 9th Grade Science	6,100	4	75	80	
1.03 Student Commons	2,700	0	0	0	
1.04 Staff Support	2,240	0	0	0	
Sub-Total:	24,840	14	261	280	
2.0 ARTS & HUMANITIES LC			93%	20	locate near Art, Music and Theater components
2.01 Core Learning & Support	12,100	9	168	180	
2.02 Science	6,100	4	75	80	
2.03 Student Commons	2,700	0	0	0	
2.04 Staff Support	2,240	0	0	0	
Sub-Total:	23,140	13	243	260	
3.0 BUSINESS & COMMUNICATONS LC			93%	20	
3.01 Core Learning & Support	12,100	9	168	180	
3.02 Science	6,100	4	75	80	
3.03 Business & Management	5,000	4	75	80	
3.04 Student Commons	2,700	0	0	0	
3.05 Staff Support	2,240	0	0	0	gross areas
Sub-Total:	28,140	17	318	340	
4.0 HEALTH & HUMAN SERVICES LC			93%	20	locate near PE components
4.01 Core Learning & Support	12,100	9	168	180	
4.02 Science	6,100	4	75	80	
4.03 Applied Labs & Support	10,120	5	93	100	
4.04 Student Commons	2,700	0	0	0	
4.05 Staff Support	2,240	0	0	0	gross areas
Sub-Total:	33,260	18	336	360	
5.0 S.T.E.M. LEARNING COMMUNITY			93%	20	
5.01 Core Learning & Support	12,100	9	168	180	
5.02 Science	6,100	4	75	80	
5.03 Tech Ed	5,200	2	37	40	
5.04 CTC	15,600	6	112	120	
5.05 Student Commons & Support	4,800	0	0	0	
5.06 Staff Support	3,520	0	0	0	
Sub-Total:	47,320	21	392	420	
6.0 SPECIALTY PROGRAMS			93%	20	
6.01 World Languages	10,700	12	187	200	Plus 2 WL classrooms in 9th Grade LC
6.02 Special Education	5,150	4	37	40	Specialized spaces should not be near each other.
6.03 ELL Program	900	1	9	10	
Sub-Total:	16,750	17	233	250	
7.0 VISUAL & PERFORMING ARTS			93%	20	
7.01 Visual Arts	4,800	3	56	60	
7.02 Performing Arts: Music	7,600	3	56	60	
7.03 Performing Arts: Theater	16,900	1	19	20	
Sub-Total:	29,300	7	131	140	
8.0 LIBRARY, LE & TECHNOLOGY			93%	20	
8.01 Library/Media Resources	10,000	0	0	0	
8.02 Learning Enrichment	3,600	4	75	80	approx 40% students study off-campus
8.03 TE/Media Communications	1,200	0	0	0	
8.04 Technology Support	1,800	0	0	0	
Sub-Total:	16,600	4	75	80	

State College Area High School

SUMMARY: FACILITY SPACE PROGRAM for 2,400 STUDENTS

UPDATED: 9/11/13

SPACE CATEGORY	Net Area Sub-Total (sq. ft.)	No. Teaching Stations	Capacity @ 93% Utilization	Student Capacity 100%	COMMENTS
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Spaces may change, depending on master planning strategy selected by the School Board.

9.0 PHYS ED, HEALTH & ATHLETICS			93%	20	
9.01 Physical Instruction	56,400	10	187	200	
9.02 PE/Athletics: Support	19,800	1	19	20	
9.03 PE/Athletics: Amenities	1,600	0	0	0	
Sub-Total:	77,800	11	205	220	
10.0 ADMIN & STUDENT SERVICES			93%	20	
10.01 Administration	5,600	0	0	0	
10.02 Student Services	3,450	0	0	0	
10.03 Health Office	600	0	0	0	
Sub-Total:	9,650	0	0	0	
11.0 STUDENT COMMONS / DINING			93%	20	
11.01 Dining Commons	16,900	0	0	0	
11.02 Kitchen & Servery	7,500	0	0	0	
Sub-Total:	24,400	0	0	0	
12.0 BUILDING SERVICES			93%	20	
12.01 Custodial Support	2,800	0	0	0	
12.02 Building Services	2,000	0	0	0	
Sub-Total:	4,800	0	0	0	
13.0 DELTA PROGRAM			93%	20	
13.01 Delta Program	12,200	12	205	220	
13.02 Delta Support Spaces	1,800	0	0	0	
Sub-Total:	14,000	12	205	220	

SUB-TOTALS:

	Net Area Sub-Total (Sq. Ft.)	# TS	Calculated % Utilization	Student Capacity 100%	CALCULATIONS: Target Student Capacity = 2,000 to 2,400
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NET Building Area:

350,000

134

93%

2,570

CAPACITY AT 100% Utilization = 2570

7.5

8

Avg. # periods teaching stations are used, out of 8/day

1.4.

Gross Building Area:

490,000

Estimated Grossing Factor = 1.4

State College Area High School

FACILITY SPACE PROGRAM

UPDATED: 9/11/13

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

2013 PROGRAM

.01 Core Learning: Type A (regular)	8	850	6,800	8	160	
.02 Core Learning: Type B (smaller)	2	450	900	-	0	small classes, tutoring, testing, etc.
.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:			13,800	10	200	

COMMENTS:

1.02 9th Grade Science

2013 PROGRAM

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

COMMENTS:

1.03 Student Commons

2013 PROGRAM

.01 Student Commons	2	500	1,000	-	0	
.02 Academy Showcase Space	2	100	200	-	0	
.03 Commons - Open Project Area	2	500	1,000	-	0	
.04 Kitchenette/Vending	2	50	100	-	0	
.05 Club Home-Base Rooms	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:			2,700	0	0	

COMMENTS:

1.04 Staff Support

2013 PROGRAM

.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/Recording Rooms	2	200	400	-	0	technology for streaming & recording lectures/lessons
.06 Staff Restrooms			0	-	0	(typically counted as gross area)
Sub-Total:			2,240	0	0	

COMMENTS:

SUBTOTALS:

PROPOSED BUILDING

CALCULATIONS:

1.0 9th GRADE LEARNING COMMUNITY	Net Area Sub-Total (Sq. Ft.)	# TS	Student Capacity 100%	Utilization Rate = 93%
	24,840	14	280	Student Capacity X Utilization Rate = 261

State College Area High School

FACILITY SPACE PROGRAM

UPDATED: 9/11/13

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

Important: Adjacent to Visual & Performing Arts Components

2.0 ARTS & HUMANITIES 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

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, etc. (1/2 T.S.)
.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

2013 PROGRAM						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

2013 PROGRAM						COMMENTS:
.01 Student Commons	2	500	1,000	-	0	
.02 Academy Showcase Space	2	100	200	-	0	
.03 Commons - Open Project Area	2	500	1,000	-	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:			2,700	0	0	

2.04 Staff Support

2013 PROGRAM						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/Recording Rooms	2	200	400	-	0	technology for streaming & recording lectures/lessons
.06 Staff Restrooms			0	-	0	(typically counted as gross area)
Sub-Total:			2,240	0	0	

SUBTOTALS:

PROPOSED BUILDING

CALCULATIONS:

2.0 ARTS & HUMANITIES LC	Net Area Sub-Total (Sq. Ft.)	Student # Capacity TS 100%	Utilization Rate = 93%
	23,140	13 260	Student Capacity X Utilization Rate = 243

State College Area High School

FACILITY SPACE PROGRAM

UPDATED: 9/11/13

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

3.0 BUSINESS & COMMUNICATIONS LEARNING COMMUNITY

SPACE DESCRIPTION	Total # of Spaces	Area of Ea. Sp. (sq. ft.)	Net Area Sub-Total (sq. ft.)	# TS	Student Capacity (100%)	COMMENTS
3.01 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, etc. (1/2 T.S.)
.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	2013 PROGRAM					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	2013 PROGRAM					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	2013 PROGRAM					COMMENTS:
.01 Student Commons	2	500	1,000	-	0	
.02 Academy Showcase Space	2	100	200	-	0	
.03 Commons - Open Project Area	2	500	1,000	-	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:			2,700	0	0	
3.05 Staff Support	2013 PROGRAM					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/Recording Rooms	2	200	400	-	0	technology for streaming & recording lectures/lessons
.06 Staff Restrooms			0	-	0	(typically counted as gross area)
Sub-Total:			2,240	0	0	

SUBTOTALS:

PROPOSED BUILDING

CALCULATIONS:

3.0 BUSINESS & COMMUNICATONS LC	Net Area Sub-Total (Sq. Ft.)	# TS	Student Capacity (100%)	Utilization Rate = 93%
	28,140	17	340	Student Capacity X Utilization Rate = 318

State College Area High School

FACILITY SPACE PROGRAM

UPDATED: 9/11/13

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
4.01 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, etc. (1/2 T.S.)
.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	
4.02 Science	2013 PROGRAM					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	2013 PROGRAM					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	2013 PROGRAM					COMMENTS:
.01 Student Commons	2	500	1,000	-	0	
.02 Academy Showcase Space	2	100	200	-	0	
.03 Commons - Open Project Area	2	500	1,000	-	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:			2,700	0	0	
4.05 Staff Support	2013 PROGRAM					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/Recording Rooms	2	200	400	-	0	technology for streaming & recording lectures/lessons
.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.)	# TS	Student Capacity 100%	Utilization Rate = 93%
	33,260	18	360	Student Capacity X Utilization Rate = 336

State College Area High School

FACILITY SPACE PROGRAM

UPDATED: 9/11/13

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.)	Student # Capacity TS (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, etc. (1/2 T.S.)
.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			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	
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			2	200	400	- 0	
Sub-Total:					5,200	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
					15,600	6 120	
5.05 Student Commons & Support			2013 PROGRAM				COMMENTS:
.01 Shared Classrooms			2	800	1,600	- 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					4,800	0 0	
5.06 Staff Support			2013 PROGRAM				COMMENTS:
.01 Teacher Centers (Office, Planning, etc.)			4	400	1,600	- 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/Recording Rooms			4	200	800	- 0	technology for streaming & recording lectures/lessons
.06 Staff Restrooms					0	- 0	(typically counted as gross area)
0					3,520	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. LC			Net Area Sub-Total (Sq. Ft.)			Student Capacity TS 100%	Utilization Rate = 93%
			59,400			21 420	Student Capacity X Utilization Rate = 392

State College Area High School

FACILITY SPACE PROGRAM

UPDATED: 9/11/13

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
6.01 World Languages	2013 PROGRAM					COMMENTS:
.01 Core Learning: Type A (regular)	10	850	8,500	10	200	
.02 Core Learning: Type B (smaller)	2	600	1,200	2	0	for upper-level courses with fewer students
.03 Language Commons (w/Kitchenette)	1	450	450	-	0	
.04 Teacher Planning	1	450	450	-	0	
.05 Storage	1	100	100	-	0	
Sub-Total:			10,700	12	200	(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	125	250	-	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:			5,150	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:	PROPOSED BUILDING					CALCULATIONS:
6.0 SPECIALTY PROGRAMS	Net Area Sub-Total (Sq. Ft.)			# TS	Student Capacity 100%	Utilization Rate = 93%
	16,750			17	250	Student Capacity X Utilization Rate = 233

State College Area High School

FACILITY SPACE PROGRAM

UPDATED: 9/11/13

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	8,000	8,000	-	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	225	450	-	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
Sub-Total:			16,900	1	20	

SUB-TOTALS:

7.0 VISUAL & PERFORMING ARTS		PROPOSED BUILDING		CALCULATIONS:	
		Net Area Sub-Total (Sq. Ft.)	# TS	Student Capacity 100%	Utilization Rate = 93%
		29,300	7	140	Student Capacity X Utilization Rate = 131

State College Area High School

FACILITY SPACE PROGRAM

UPDATED: 9/11/13

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

8.0 LIBRARY, LE & TECHNOLOGY

SPACE DESCRIPTION	Total # of Spaces	Area of Ea. Sp. (sq. ft.)	Net Area Sub-Total (sq. ft.)	# TS	Student Capacity (100%)	COMMENTS
8.01 Library/Media Resources	2013 PROGRAM					COMMENTS:
.01 Library/Media Center	1	5,600	5,600	-	0	Includes: Circulation, reading room, collections/bookstacks
.02 Student Success Hub	1	1,200	1,200	-	0	academic help desk/genius bar, credit recovery, make up testing, t
.03 Media Café	1	400	400	-	0	could "leak" outside of formal library space into adjacent commons
.04 Small Group Rooms	4	100	400	-	0	
.05 Collegiate Lecture Hall	1	1,400	1,400	-	0	Lecture space: high end technology, adjacent to tv studio
.06 Media Specialist & Staff Office	1	200	200	-	0	
.07 Workroom/Storage	1	300	300	-	0	
.08 Staff Professional Library	1	400	400	-	0	
.09 Library Restrooms	2	50	100	-	0	
.10						
Sub-Total:			10,000	0	0	
8.02 Learning Enrichment	2013 PROGRAM					COMMENTS: some LE students learn off campus
.01 LE Office	1	200	200	-	0	
.02 Learning Enrichment	1	1,600	1,600	2	40	"open" to Media Café & Reading room
.03 LE - Art Smart	1	1,600	1,600	2	40	Near Arts Cluster
.04 Storage	2	100	200	-	0	
Sub-Total:			3,600	4	80	
8.03 TE/Media Communications	2013 PROGRAM					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	350	350	-	0	
Sub-Total:			1,200	0	0	
8.04 Technology Support	2013 PROGRAM					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 anyv
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 = 93%
	16,600			4	80	Student Capacity X Utilization Rate = 75

State College Area High School

FACILITY SPACE PROGRAM

UPDATED: 9/11/13

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
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	40	40	-	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/Shower	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	250	500	-	0	
.13 Pool Shower/Locker Rooms	2	1,000	2,000	-	0	
.14 Laundry	1	100	100	-	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:			19,800	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 = 93%
	77,800			11	220	Student Capacity X Utilization Rate = 205

State College Area High School

FACILITY SPACE PROGRAM

UPDATED: 9/11/13

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
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	500	500	
.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:			5,600	
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	240	240	
.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:			3,450	
10.03 Health Office	2013 PROGRAM			COMMENTS:
.01 Nurse Office	1	120	120	confidentiality
.02 Exam/Treatment	1	120	120	
.03 Cot Area	2	100	200	3-4 cots, could be one larger space
.04 Restroom with Shower	1	80	80	
.05 Secure Storage	1	80	80	
Sub-Total:			600	
SUB-TOTALS:	PROPOSED BUILDING			CALCULATIONS:
10.0 ADMIN & STUDENT SERVICES	Net Area Sub-Total (Sq. Ft.)			
	9,650			

State College Area High School

FACILITY SPACE PROGRAM

UPDATED: 9/11/13

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 learning communities
Sub-Total:			16,900	

11.02 Kitchen & Servery

	2013 PROGRAM			COMMENTS:
.01 Kitchen (Inclusive)	1	7,500	7,500	Wish to serve 2000 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: 9/11/13

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	gross area
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:

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: 9/11/13

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.)	Student # Capacity TS (100%)	COMMENTS
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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	450	900	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	450	900	- 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:			12,200	12 220	

13.02 Delta Support Spaces

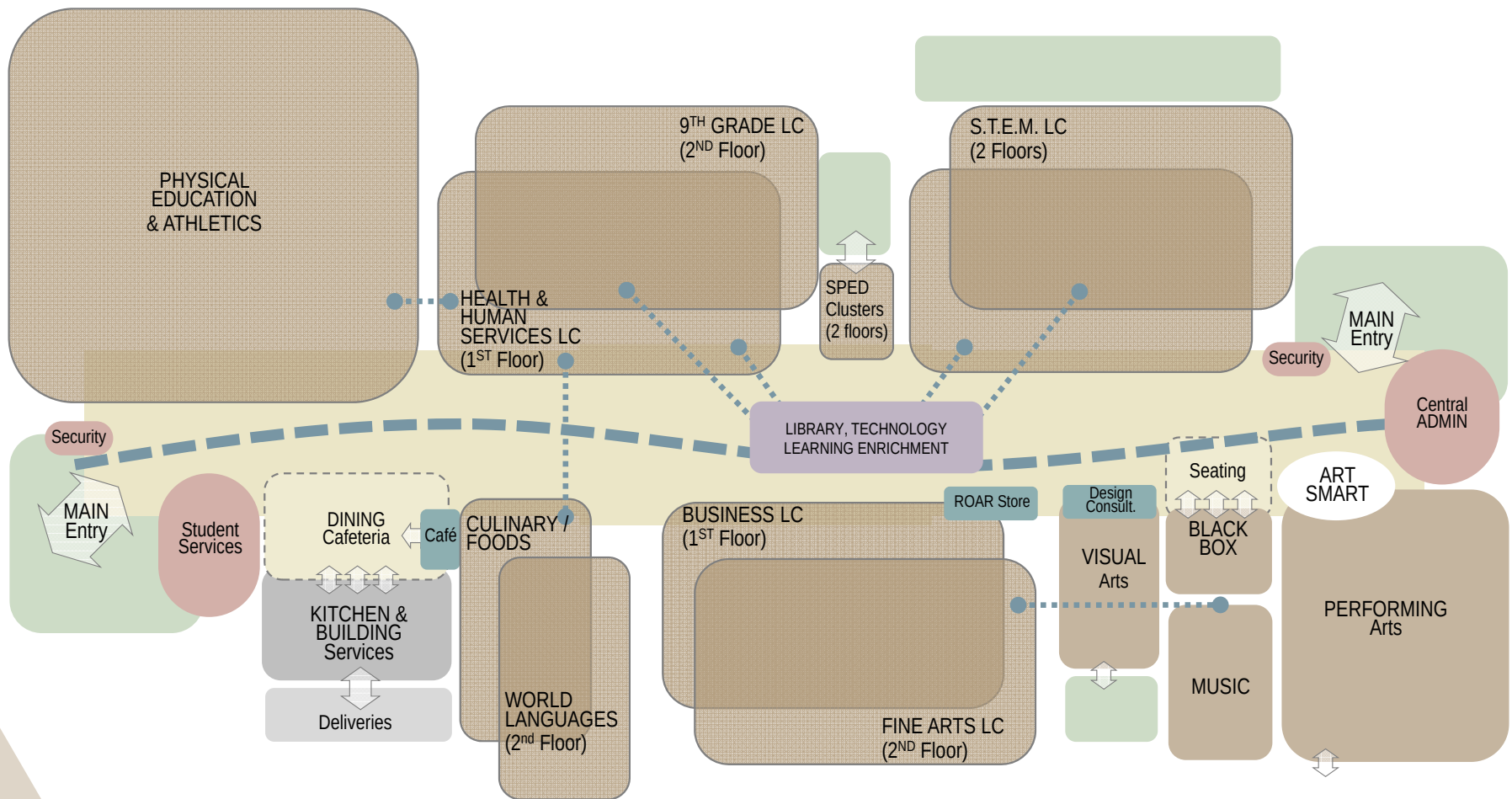
	2013 PROGRAM				COMMENTS:
.01 Welcome Center / Receptionist	1	100	100	- 0	
.02 Director's Office	1	200	200	- 0	
.03 Private Offices	2	120	240	- 0	
.04 Teacher Planning	1	600	600	- 0	
.05 Teacher Task Rooms	2	50	100	- 0	
.06 Conference/Recording Room	1	200	200	- 0	technology for streaming & recording lectures/
.07 General Storage	2	180	360	- 0	
.08 Student Restrooms			0	- 0	
.09 Staff Restrooms			0	- 0	
.10 Janitor Closet			0	- 0	
Sub-Total:			1,800	0 0	

SUB-TOTALS:

PROPOSED BUILDING

CALCULATIONS:

13.0 DELTA PROGRAM	Net Area Sub-Total (Sq. Ft.)	Student # Capacity TS 100%	Utilization Rate = 93%
	14,000	12 220	Student Capacity X Utilization Rate = 205



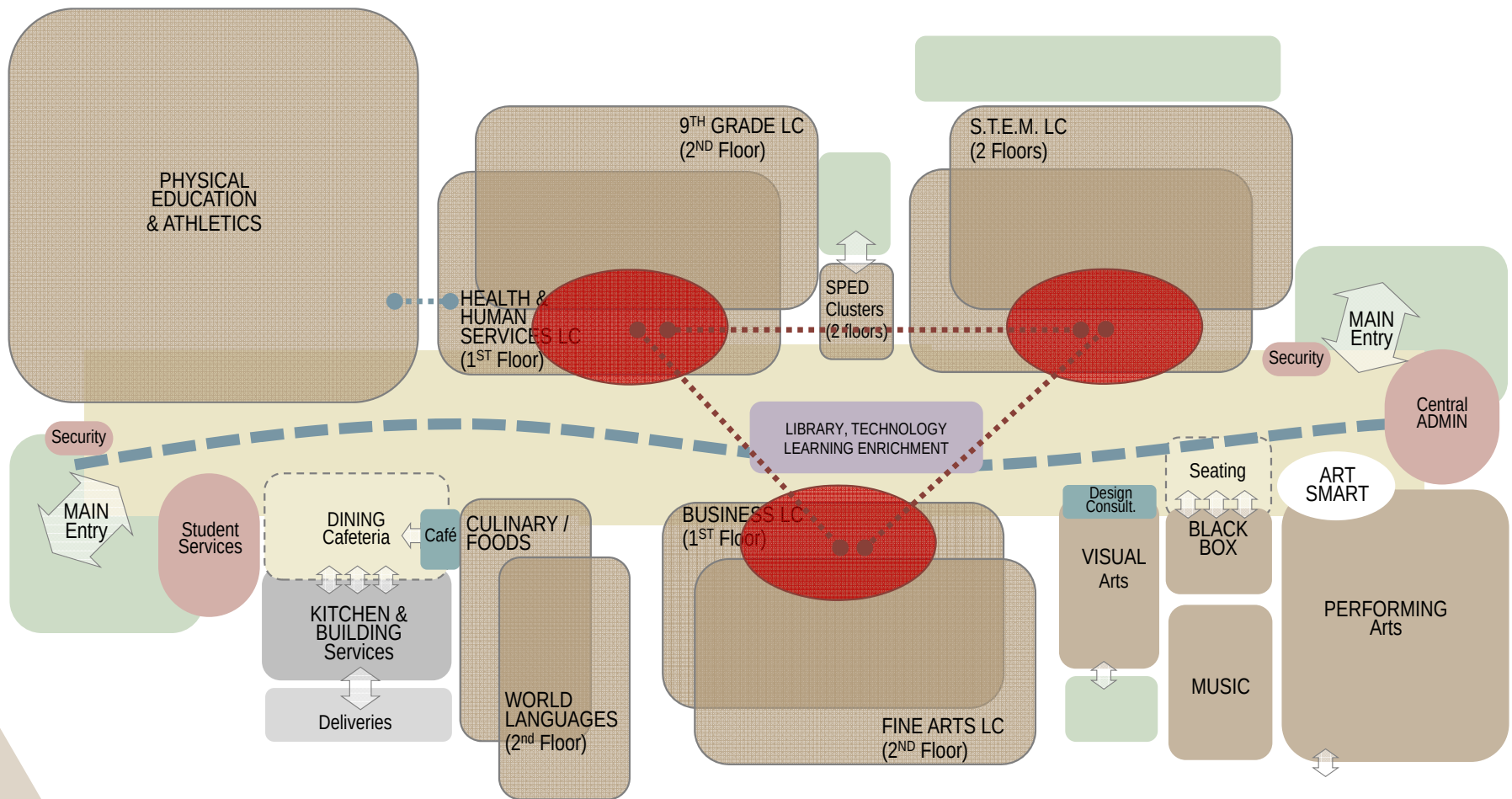
DELTA
Program

Location to Be Determined

Planning Diagram: Overall Adjacencies

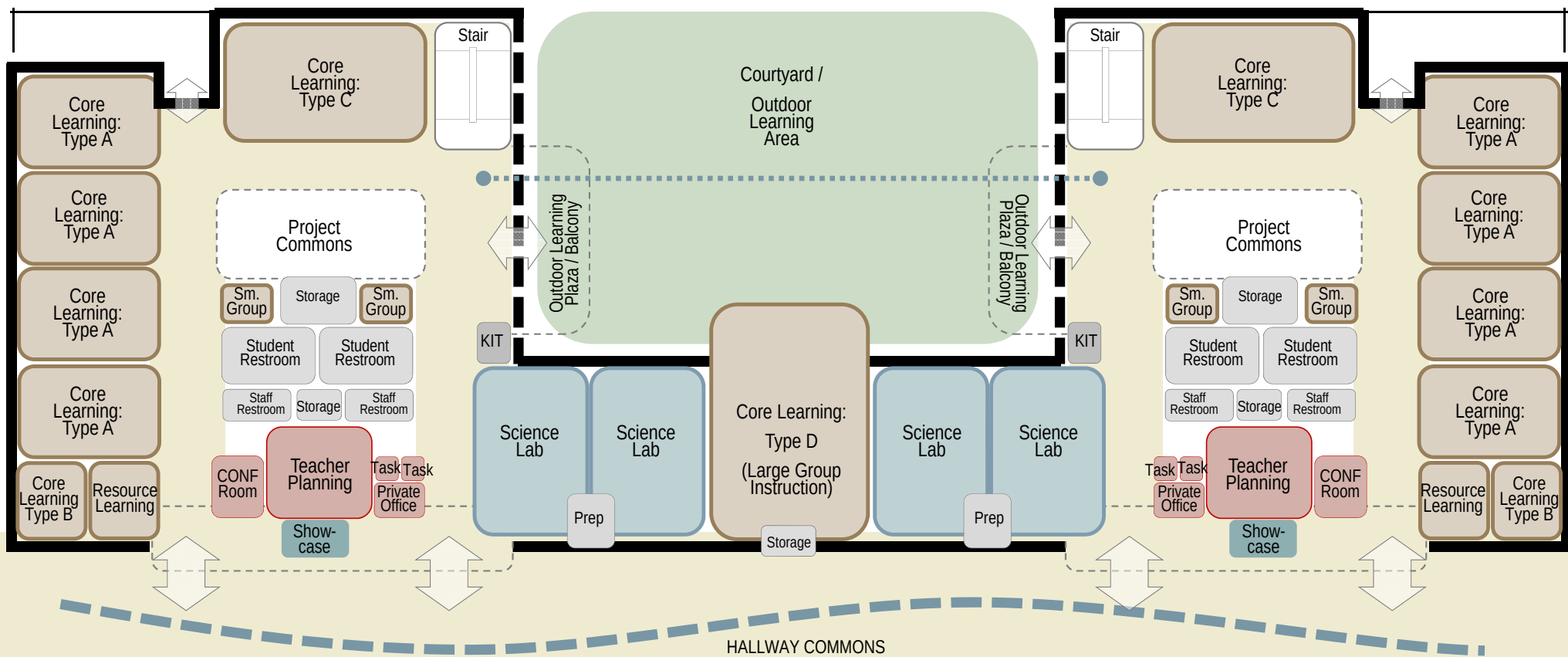


State College Area High School – August 22, 2013

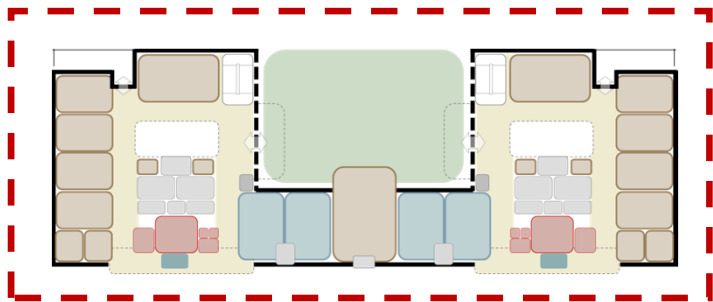


DELTA
Program

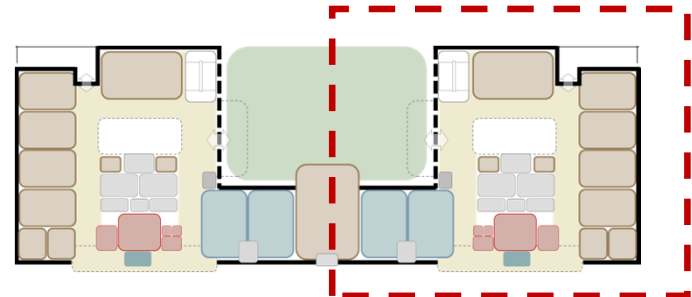
Location to Be Determined



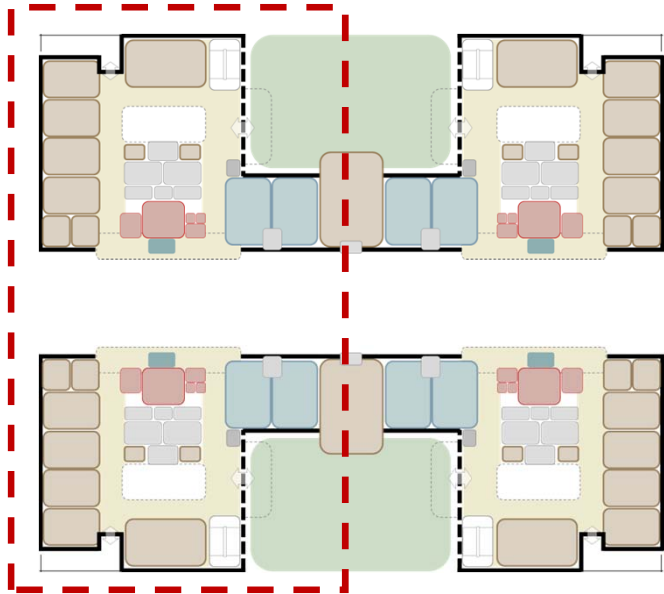
Planning Diagram: One Learning Community



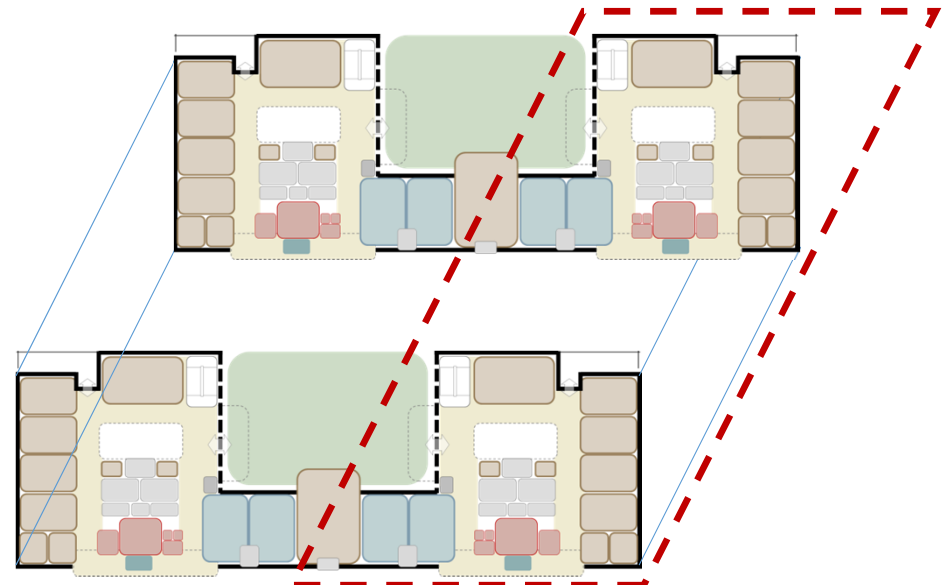
LC all in one cluster



LCs are dividable into smaller LCs



LCs can bridge across a hallway



LCs can be stacked on 2 floors