



ELGIN ISD
ONE TOWN • ONE TEAM • ONE FAMILY

Elgin High School: ADDITIONS AND CTE EXPANSION

Programming Meeting #1

February 2, 2022



S&P

Project Overview and Scope



Elgin High School Additions and CTE Expansion

Programming Meeting #1

Location: virtual meeting

Programming Meeting #1

February 24, 2022: 11:30 PM – 2:30 PM

Meeting Purpose: Develop program of spaces for new CTE, auditorium, classrooms, and cafeteria expansion. Meet with each user group to determine requirements of each space. Review current space utilization.

Agenda:

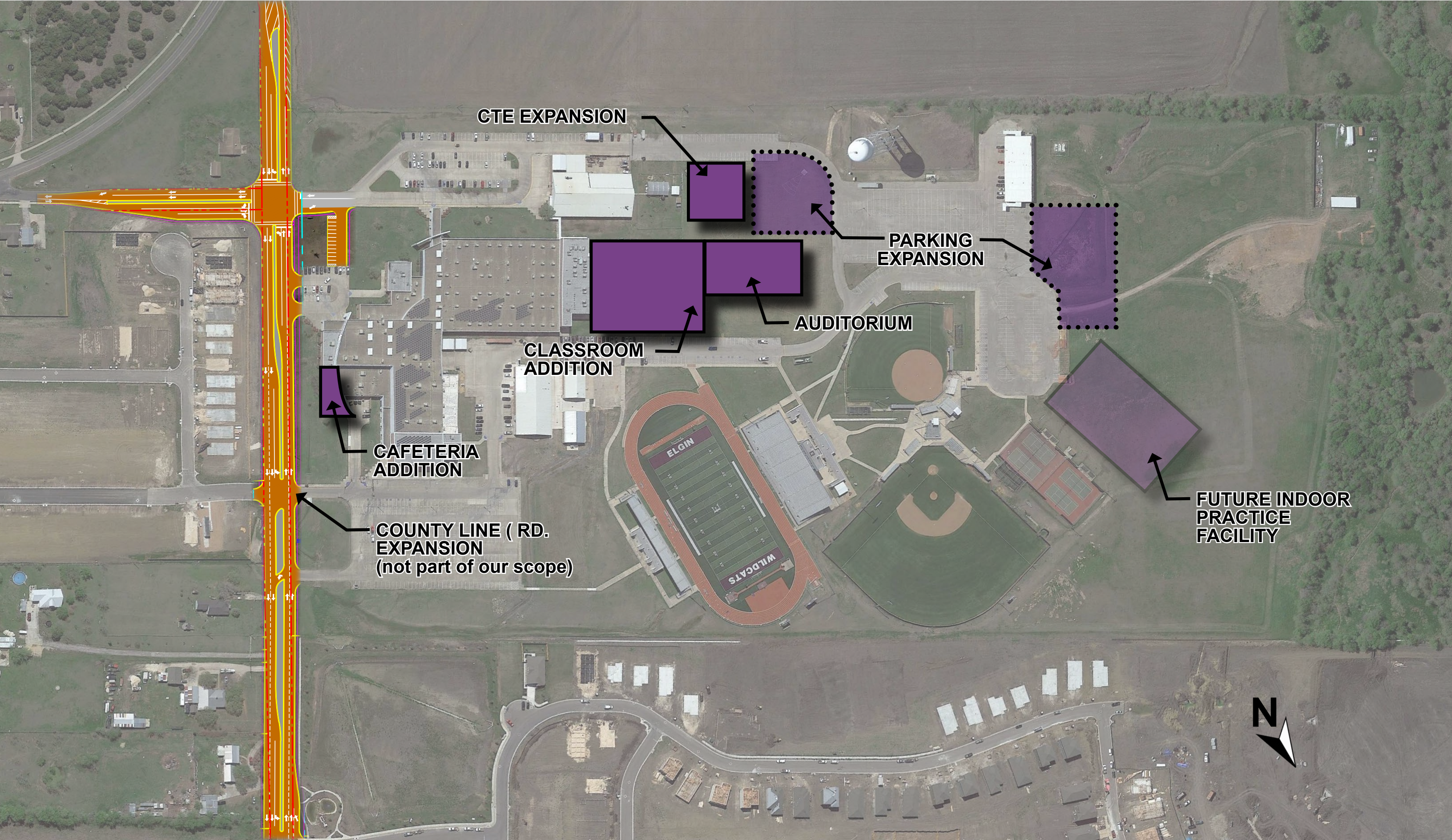
11:30 AM - 12:15 PM	CTE
12:15 PM - 1:00 PM	Fine Arts
1:00 PM - 1:45 PM	Academics
1:45 PM – 2:30 PM	Cafeteria Additions

ELGIN HIGH SCHOOL: OVERALL EXISTING SITE PLAN



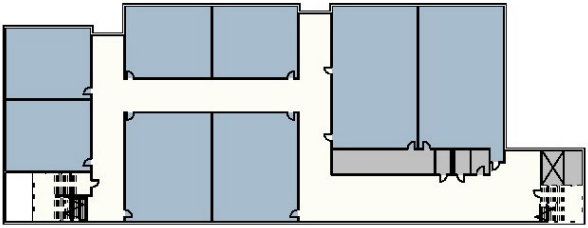
PROJECT SCOPE: OVERALL SITE PLAN PROJECT SCOPE

**LOCATIONS ARE ONLY CONCEPTUAL AND
MAY CHANGE AS WE START THE DESIGN**

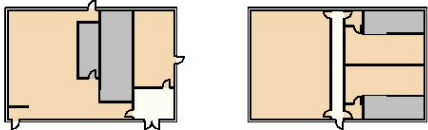


ELGIN HIGH SCHOOL: EXISTING OVERALL FLOOR PLAN

ACADEMICS

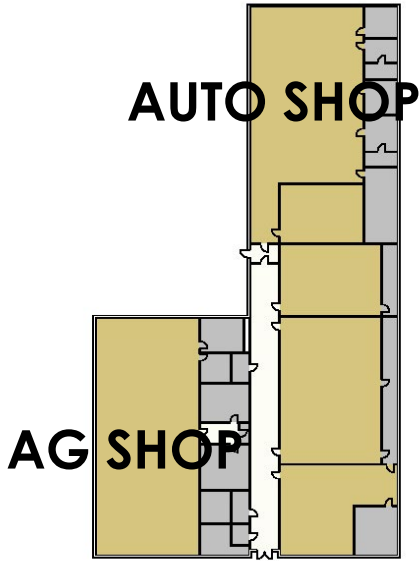
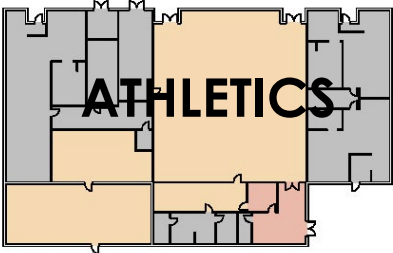


SECOND FLOOR

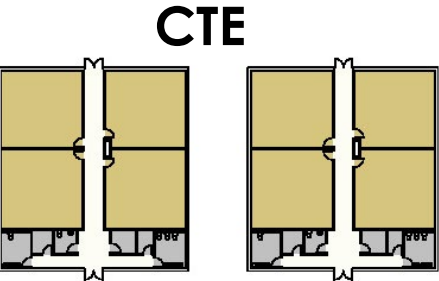


ATHLETICS

ATHLETICS



CTE BUILDING



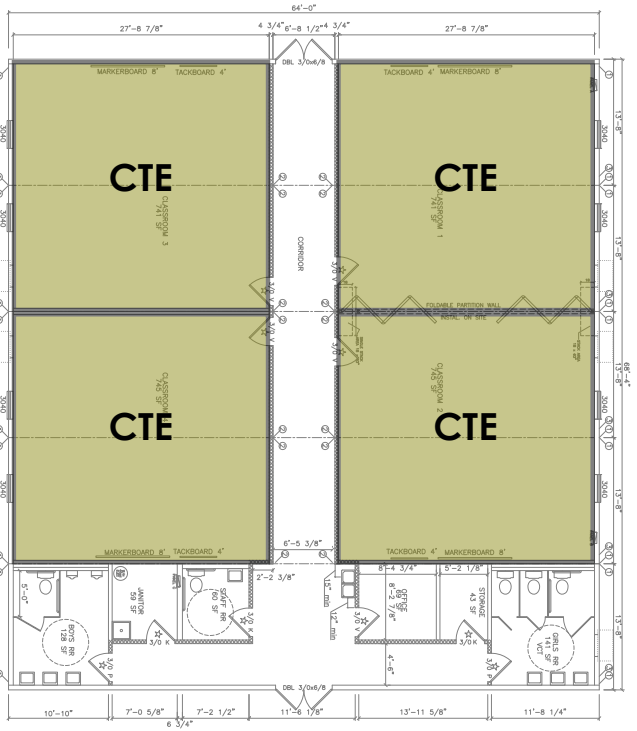
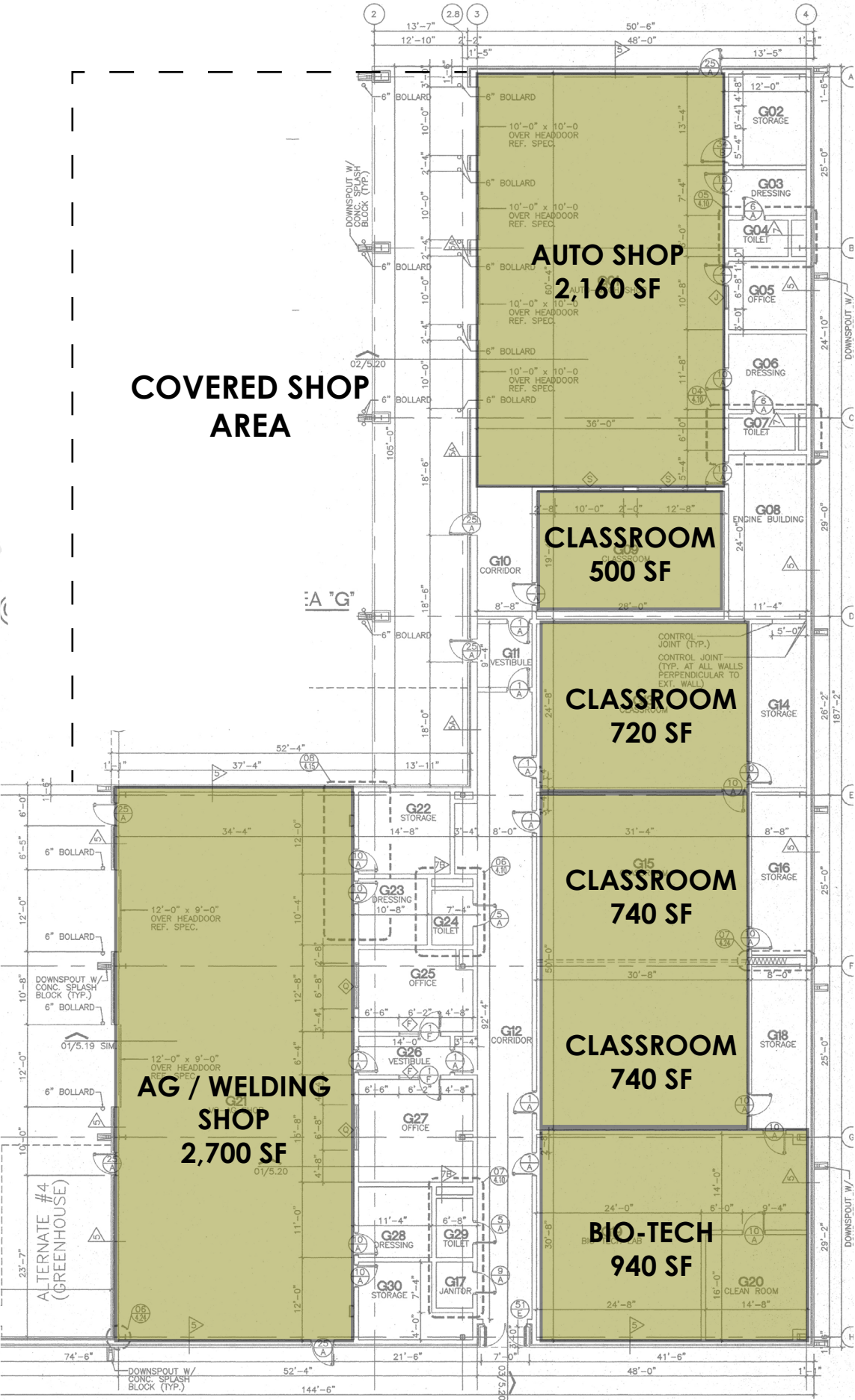
CTE PORTABLES



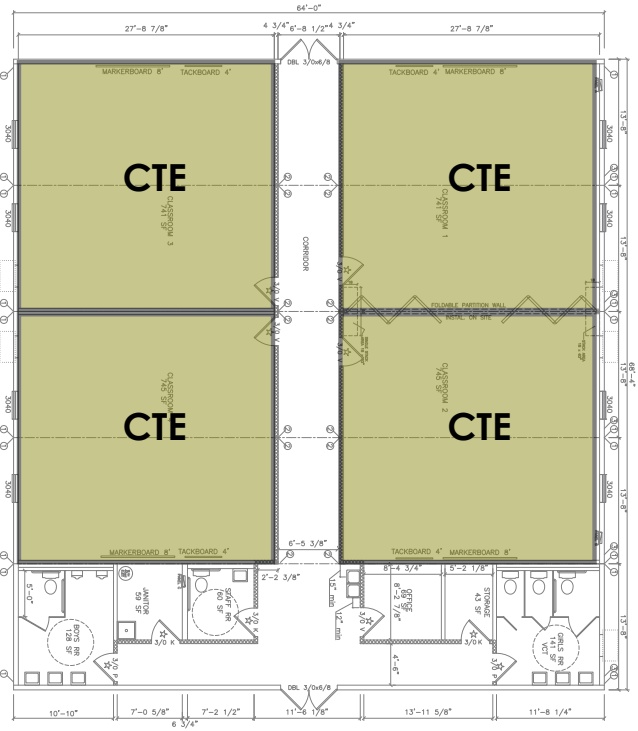
FIRST FLOOR PLAN

CTE Additions Programming

ELGIN HIGH SCHOOL: EXISTING CTE SPACES



CTE PORTABLE
(WILL NEED TO BE REPLACED IN
NEW ADDITIONS)



CTE PORTABLE
(WILL NEED TO BE REPLACED IN
NEW ADDITIONS)

ELGIN HIGH SCHOOL: possible CTE additions

Current CTE Programs offered at EHS:

- Animal Science
- Automotive
- Business Management
- Design & Multimedia Arts/ EHS Yearbook
- Digital Communications
- Healthcare Diagnostics (classes are in typical classrooms, would like more hands-on learning environment)
- Healthcare Therapeutic (classes are in typical classrooms, would like more hands-on learning environment)
- Law Enforcement
- Plant Science
- Programming & Software Development
- Teaching and Training
- Ag-Tech/Welding (P-Tech Early College) currently about 140 students

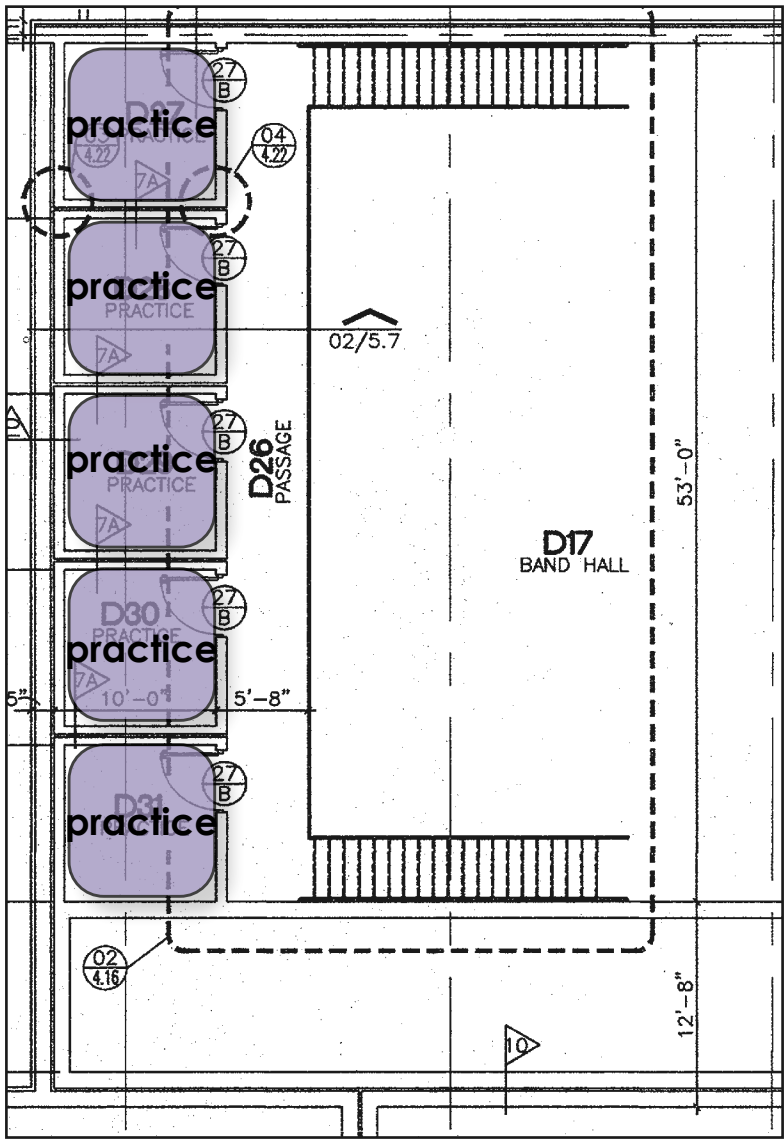
Possible CTE programs for new additions:

- Teaching and Training: currently in EHS portable (functional, but will need to be relocated)
- CMT, phlebotomist: currently requires travel to Austin for these programs
- Ag-Tech/Welding: space is over capacity
- Automotive (160 students); could Automotive be in new facility, Auto Tech Center?
 - Not enough RR's in current Automotive space
- EISD looking at adding Construction/ HVAC Program
- Business Management: would want incubator labs and collab space, not typical lab function design
- ROTC (currently a standalone program)

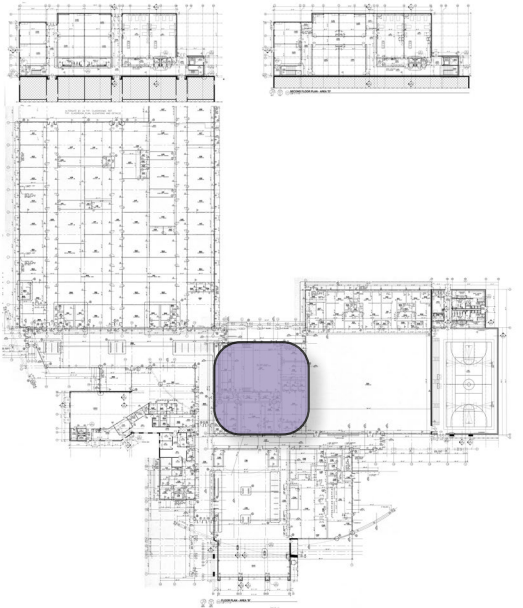
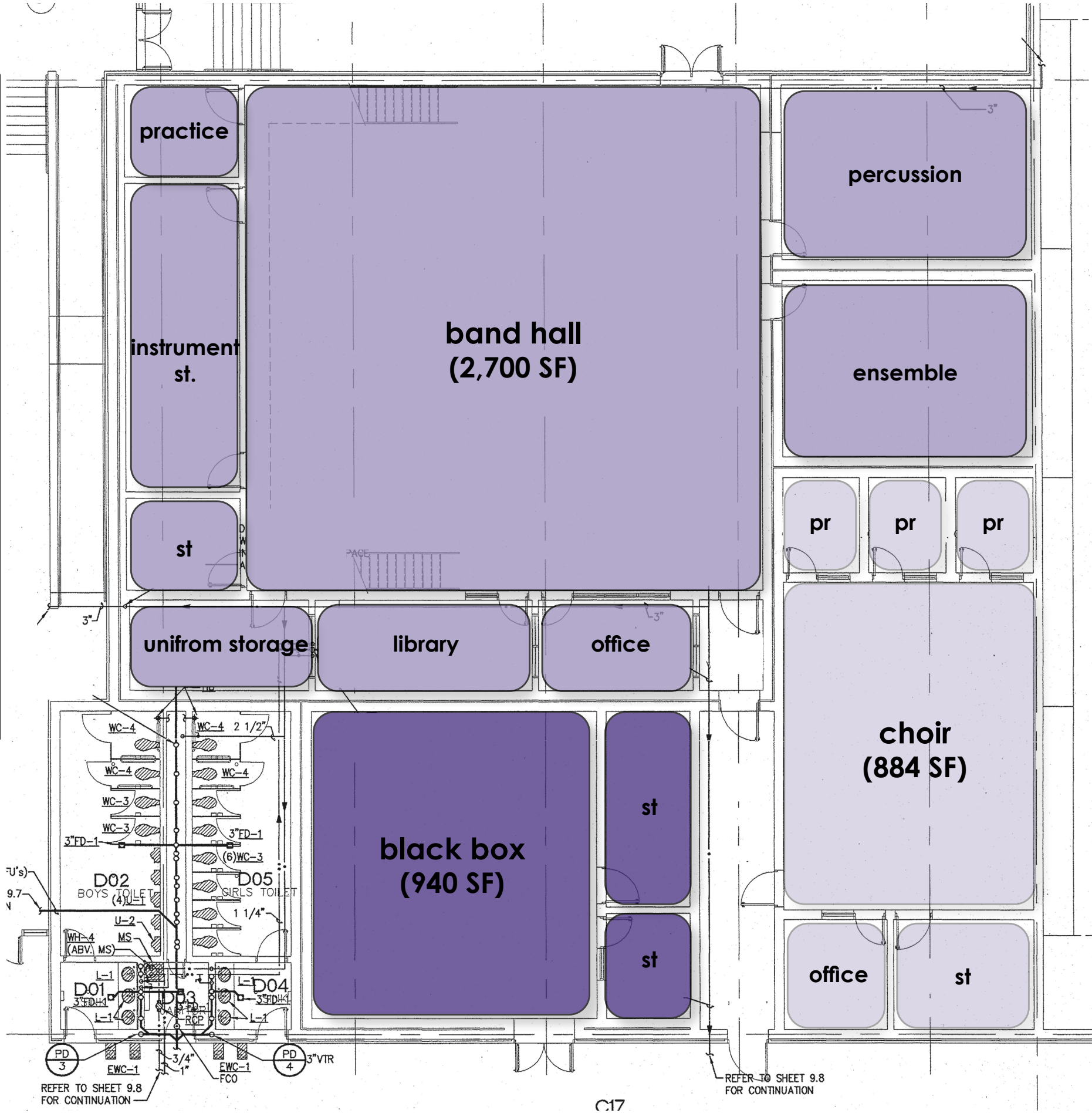
Partnering programs with ACC need to have a Higher Ed feeling to them with NextGen, collaborative and commons areas similar to a college campus

New Auditorium Programming

ELGIN HIGH SCHOOL: existing fine arts spaces



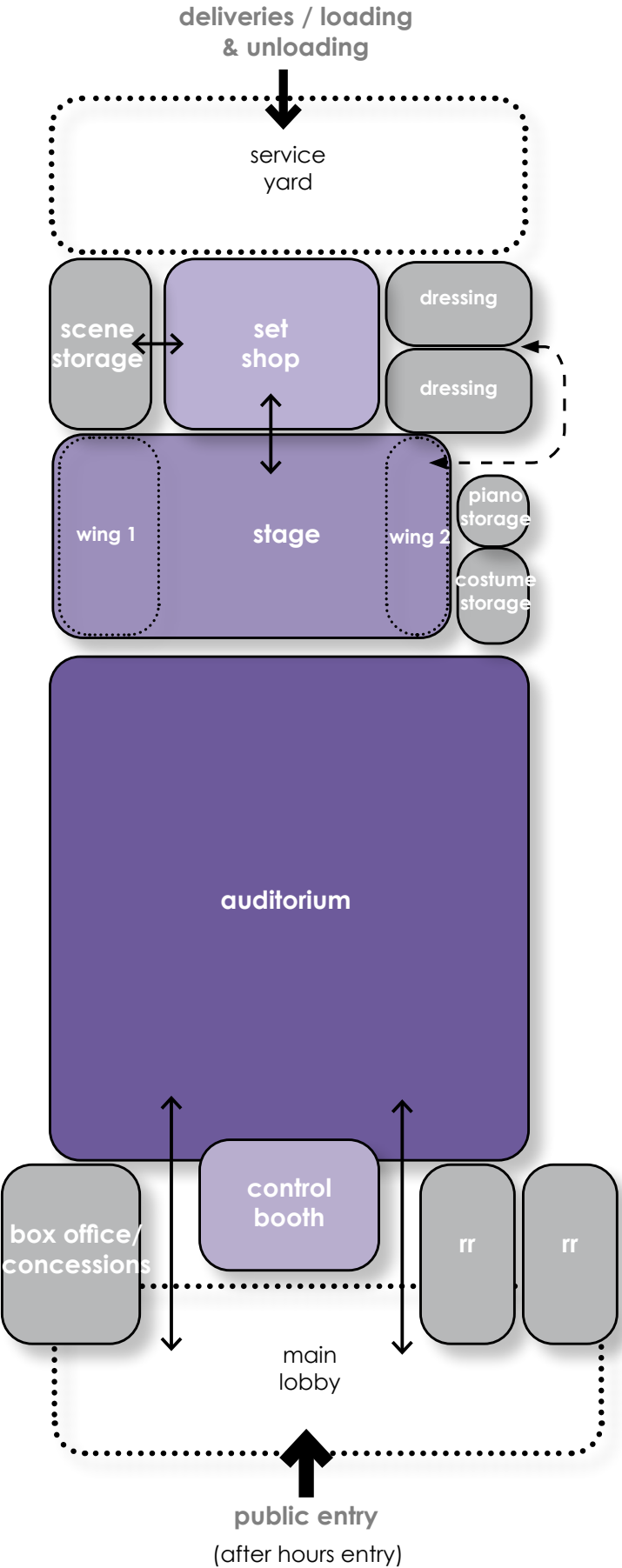
mezzanine



ELGIN HIGH SCHOOL: preliminary program of spaces: **New Auditorium**

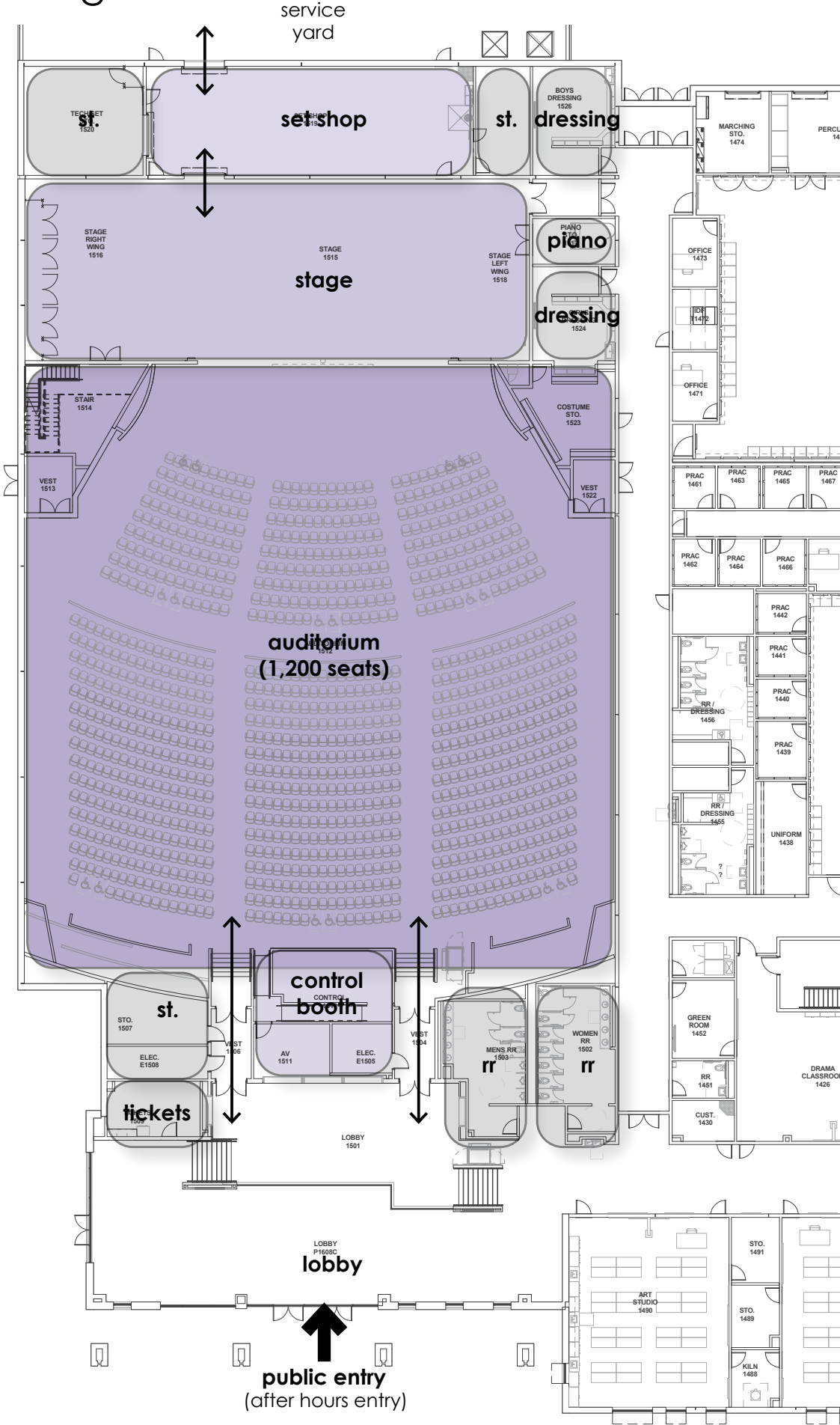
Program of Spaces (DRAFT)				
Space / Function	Quantity	SF/Unit	Total NSF	Notes
Auditorium				
Auditorium Lobby	1	3,000	3,000	SF may vary based on actual design/layout
Box Office / Concessions	1	200	200	
Auditorium	1	13,100	13,100	1,200 seats at 10.9 SF/person
Stage	1	2,400	2,400	60'x40'
Wing 1, Stage Right	1	800	800	28' deep
Wing 2, Stage Left	1	400	400	11' deep
Scene Shop	1	1,500	1,500	
Tech / Set Storage	1	500	500	
Tool Storage	1	120	120	adjacent to set shop
Paint Storage	1	100	100	adjacent to set shop
Costume Storage	1	250	250	
Piano Storage	1	150	150	
Office	1	180	180	Is this needed?
Boys Dressing / Restroom	1	250	250	
Girls Dressing / Restroom	1	250	250	
Laundry Room	1	120	120	Is this needed?
Makeup Room		250	-	Is this needed?
Green Room		250	-	Is this needed?
Control Booth	1	250	250	
AV Storage	1	150	150	
Total Net Auditorium			23,720	
Building Support				
Restrooms	2	380	760	
Family Restroom	1	100	100	
Vestibules	4	100	400	
Custodial Closets	2	100	200	
Electrical Room	1	120	120	
IDF Room	1	120	120	
Roof Access	1	90	90	
Fire Riser	1	100	100	
Total Net Building Support			1,890	
Building Total NSF			25,610	
Corridors, Catwalks, Structure, Walls, Mechanical Space			7,683	30.00%
Total Gross Square Feet (GSF)			33,293	

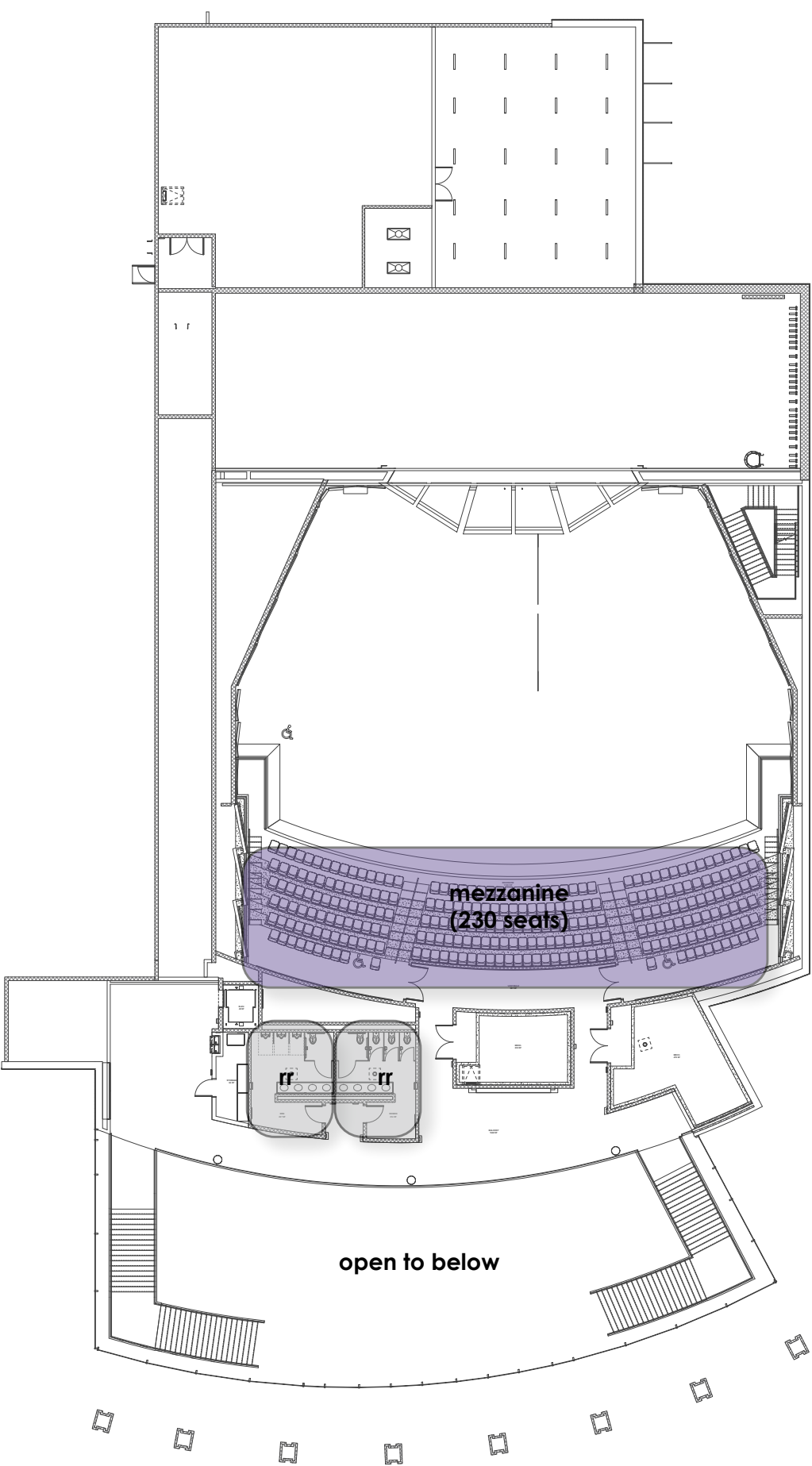
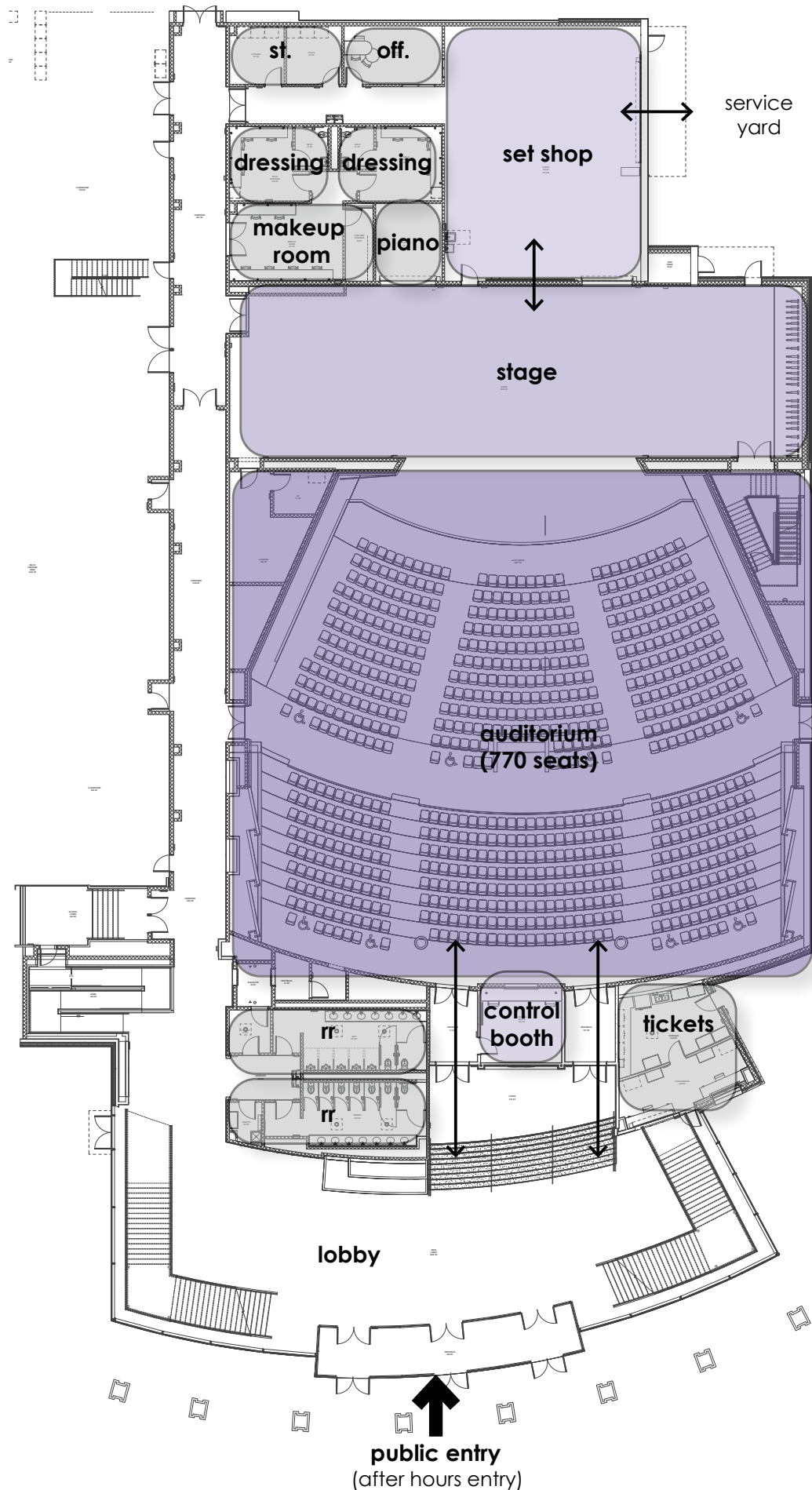
AUDITORIUM SPATIAL RELATIONSHIPS & ADJACENCIES

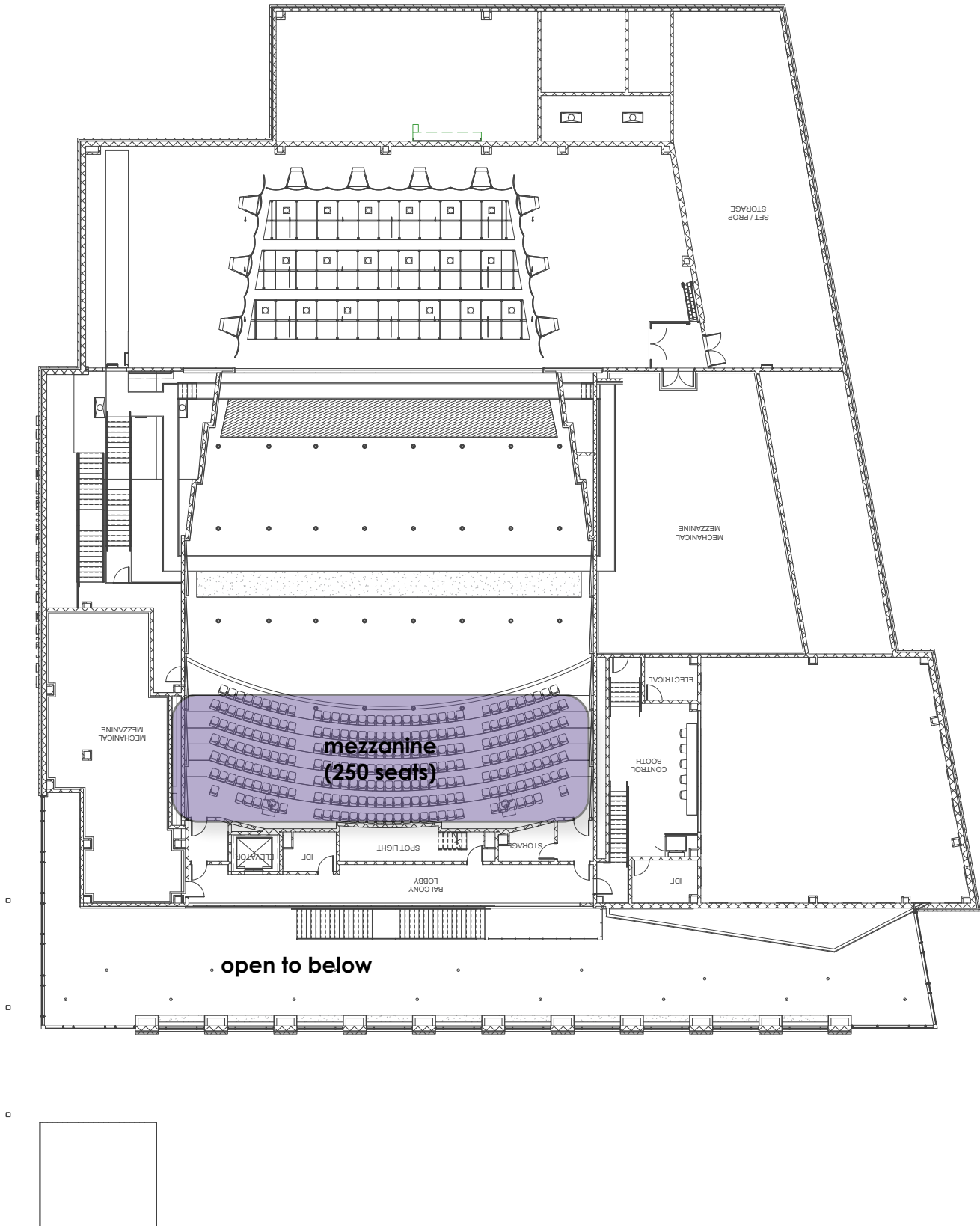
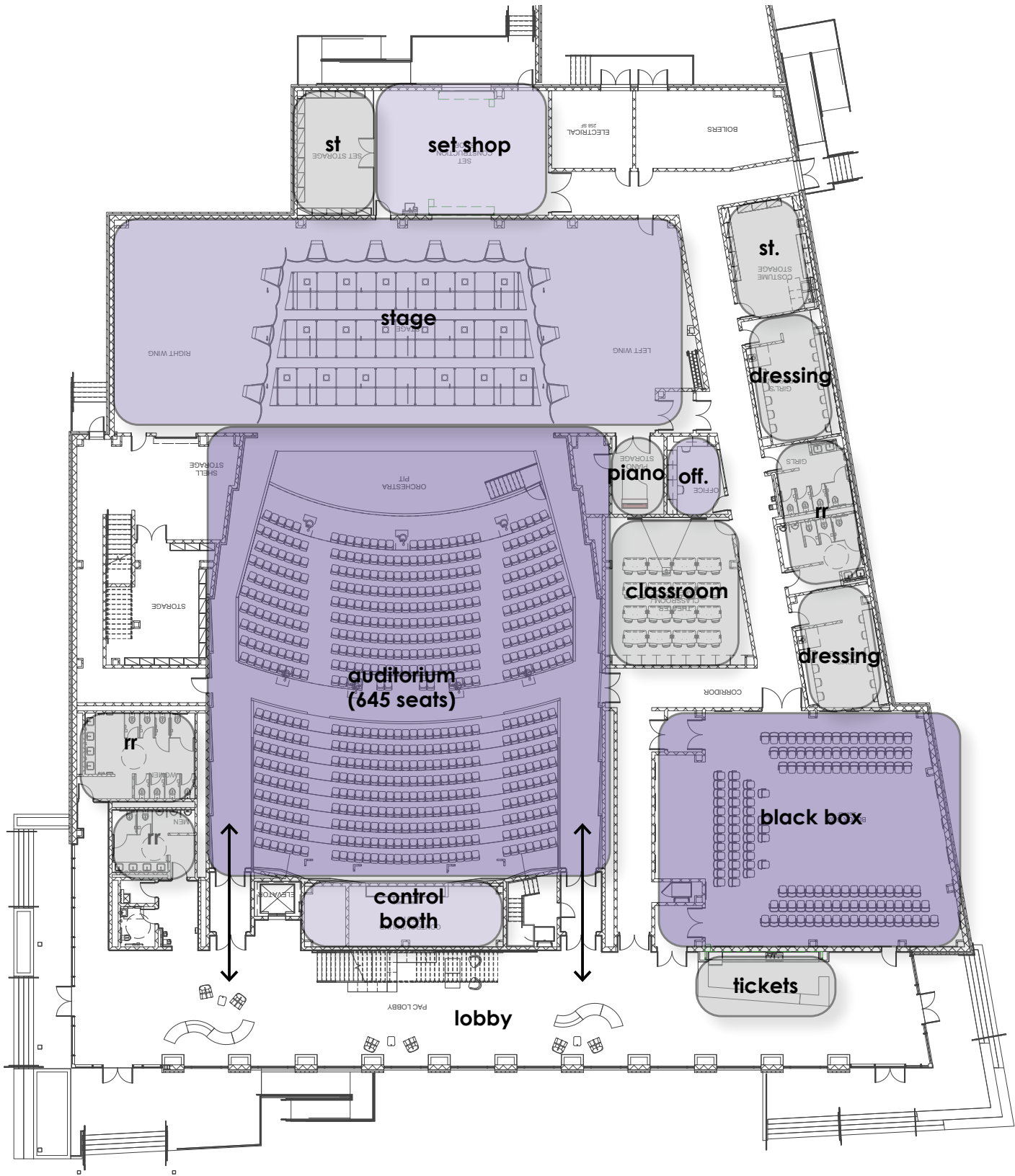


AUDITORIUM EXAMPLES: KISD Chaparral High School

Single Tier: 1,200 seats

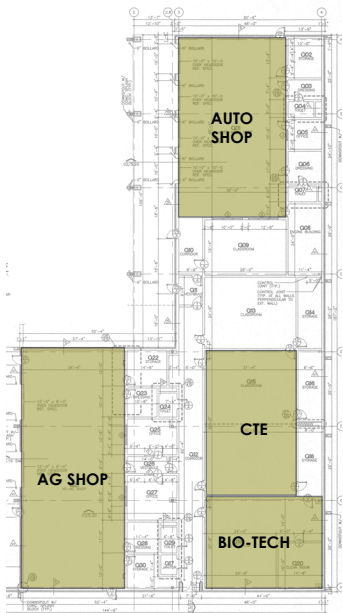




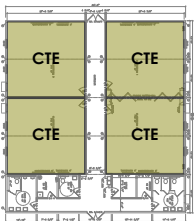


Classroom Additions Programming

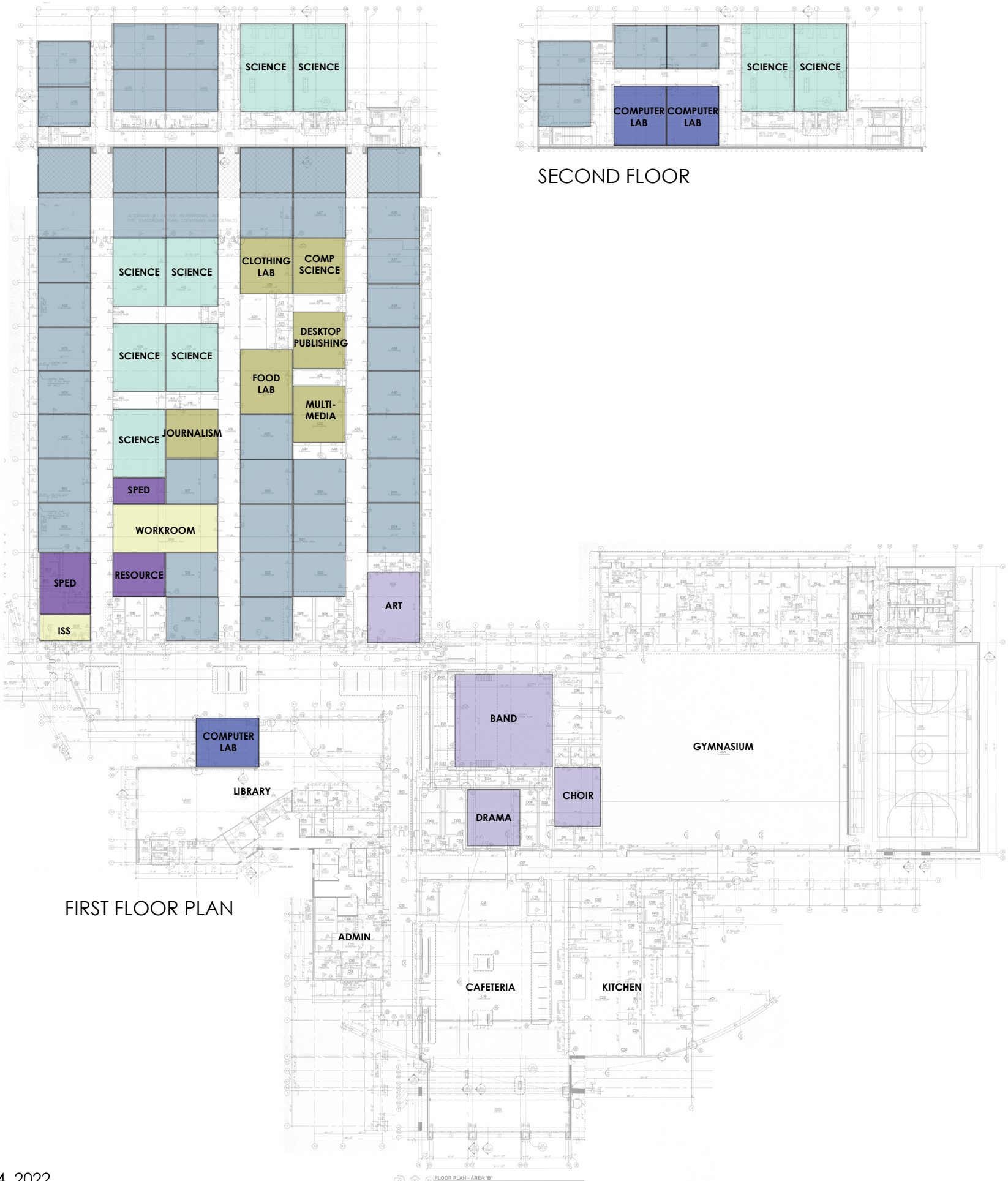
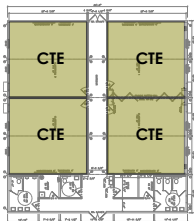
ELGIN HIGH SCHOOL: existing teaching spaces



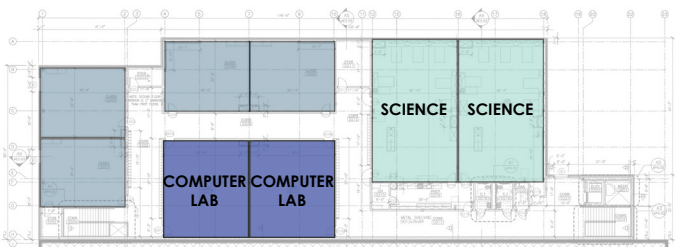
CTE BUILDING



CTE PORTABLES



FIRST FLOOR PLAN



SECOND FLOOR

- 47 GENERAL CLASSROOMS
- 9 SCIENCE LABS
- 3 COMPUTER LABS
- 1 ART LAB
- 18 CTE/ ELECTIVES

Note: some classroom spaces might be currently used for resource, special ed or teacher workroom spaces; need to verify with campus.

Elgin High School Additions & CTE Expansion

Capacity Study: Current and Future

Space / Function	Teaching Spaces	Student/Space	% Utilization	Total Students	Notes
Existing Academic Teaching Station					
General Classrooms	47	22	85%	879	need to verfiy if all used for classrooms
Science Labs	9	24	85%	184	
Existing Elective / Career Tech Stations					
CTE Classrooms	8	25	85%	170	currently in portables
Computer Science	1	25	85%	21	
Desktop Publishing	1	22	85%	19	
Journalism	1	22	85%	19	
Food Lab	1	22	85%	19	
Clothing Lab	1	22	85%	19	
Bio-Tech Lab	1	22	85%	19	
Ag Shop	1	25	85%	21	
Auto Tech Lab	1	25	85%	21	
Art Lab	1	22	85%	19	Will the campus need additional labs?
Band	1			-	not counted for capacity
Choir	1			-	not counted for capacity
Drama	1			-	not counted for capacity
Special Ed	1			-	not counted for capacity
Computer Labs	3			-	not counted for capacity
Current Total Student Capacity				1,408	85% Utilization
New Additions					
General Classrooms	34	25	85%	723	
Science Labs	8	24	85%	163	
Art Labs	2	25	85%	43	
Total Future Student Capacity				2,337	85% Utilization

Elgin High School Additions & CTE Expansion

Capacity Study: Current and Future

Space / Function	Teaching Spaces	Student/Space	% Utilization	Total Students	Notes
Existing Academic Teaching Station					
General Classrooms	47	25	85%	999	need to verfiy if all used for classrooms
Science Labs	9	24	85%	184	
Existing Elective / Career Tech Stations					
CTE Classrooms	8	25	85%	170	currently in portables
Computer Science	1	25	85%	21	
Desktop Publishing	1	22	85%	19	
Journalism	1	22	85%	19	
Food Lab	1	22	85%	19	
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Bio-Tech Lab	1	22	85%	19	
Ag Shop	1	25	85%	21	
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Art Lab	1	22	85%	19	Will the campus need additional labs?
Band	1			-	not counted for capacity
Choir	1			-	not counted for capacity
Drama	1			-	not counted for capacity
Special Ed	1			-	not counted for capacity
Computer Labs	3			-	not counted for capacity
Current Total Student Capacity				1,528	85% Utilization
New Additions					
General Classrooms	34	25	85%	723	
Science Labs	8	24	85%	163	
Art Labs	2	25	85%	43	
Total Future Student Capacity				2,457	85% Utilization

HIGH SCHOOL

(Grade 9 or 10 thru Grade 12, or only Grade 9)



GENERAL CLASSROOMS / ELECTIVES / COLLABORATION SPACES

Qualitative Compliance Method

Flex Level 1 & 2

32 SF

Per Student

Flex Level 3 & 4

36 SF

Per Student

Quantitative Compliance Method

Flex Level 1 & 2

32 SF

Per Student

Flex Level 3 & 4

36 SF

Per Student

**No minimum room size; Capacity is determined by method of compliance and flexibility level resulting in a prescribed SF per student.

COMBINATION
SCIENCE/CLASSROOM

(Dedicated)

Minimum **

1,392 SF

(24 students)

58 SF/student

Lab Prep/
Storage Room

Minimum

240 SF

Chemical Storage



See Chemical
Storage Room Rule

SEPARATE SCIENCE CLASSROOMS
& SCIENCE LABORATORY

Science Classroom
(Dedicated)

Minimum

1,008 SF

42 SF/student

Science Laboratory
(Dedicated)

Minimum

** 900 SF

(24 students)

38 SF/student

** Add 50 SF per additional student in excess of 22 students; must not exceed 25 students.

** Add 42 SF per additional student in excess of 24 students.

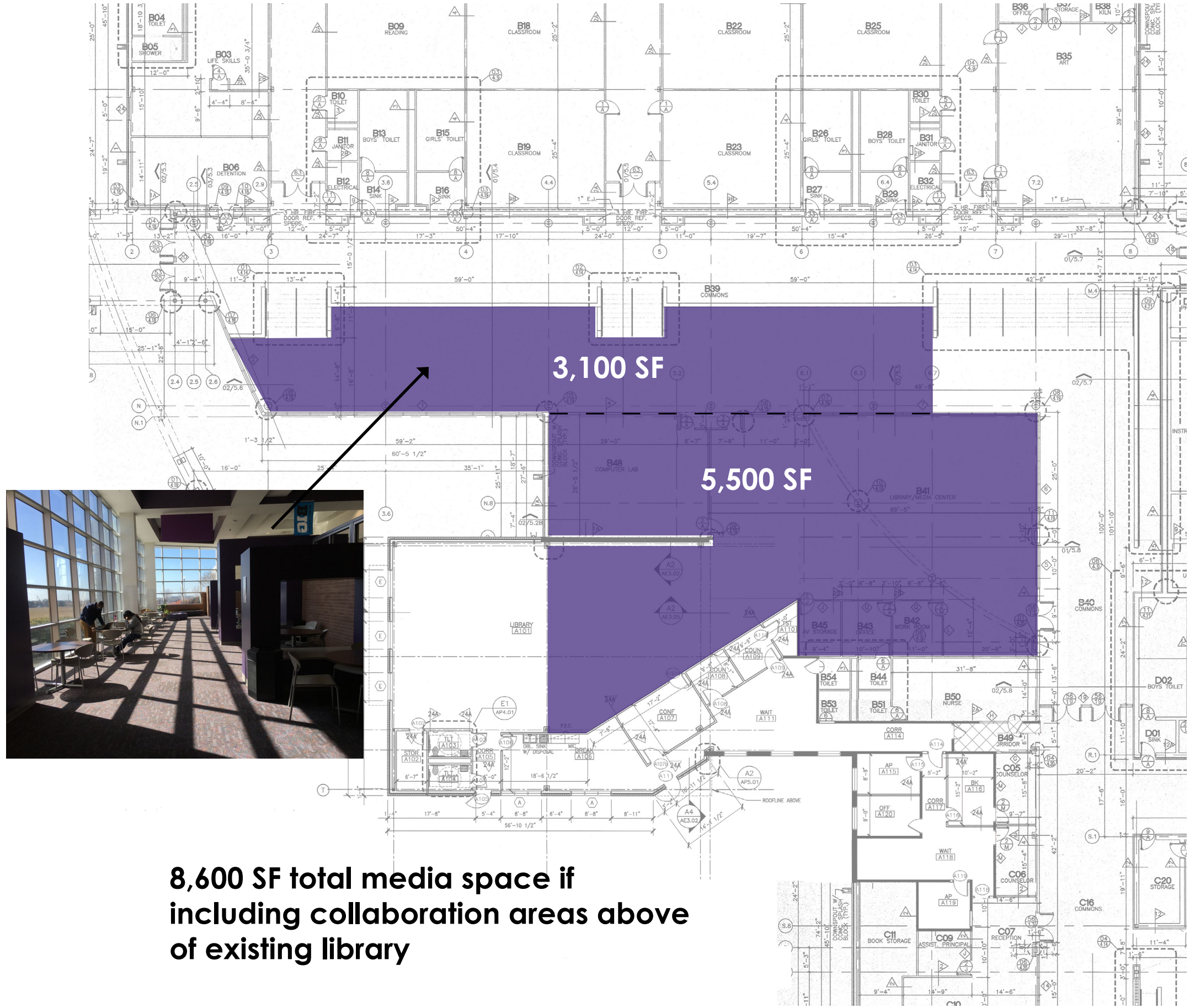
The net square footage of a room shall be measured from the inside surface of the room's walls. Science classrooms should be provided at a ratio not to exceed two science classrooms for every science laboratory. Science laboratories shall be located conveniently to science classrooms they serve.

ELGIN HIGH SCHOOL: preliminary program of spaces: **New Classrooms**

Program of Spaces (DRAFT)				
Space / Function	Quantity	SF/Unit	Total NSF	Notes
Academic Spaces				
General Classrooms	34	800	27,200	25 students / classroom (32 SF/student)
Science Lab Combo	8	1,400	11,200	24 students / lab (58 SF/student)
Science Prep Rooms	4	240	960	minimum TEA
Small Group Rooms	4	150	600	confirm if needed
Resource Rooms	2	400	800	confirm if needed
Specialized Classrooms				Will we need more special ed spaces?
Art Labs				Will we need more art labs?
Total Net Academic			40,760	
Teacher/Admin Spaces				
AP Office	2	150	300	Will school need more than what they currently have?
Counselors Office	2	200	400	Will school need more than what they currently have?
Department Storage	2	200	400	
Teacher Workroom	2	800	1,600	
PLC			-	Is this needed?
Total Net Teacher/ Admin			2,700	
Building Support				
Restrooms	4	280	1,120	
Staff Restrooms	4	100	400	
Custodial Closets	2	100	200	
Electrical Room	4	120	480	
IDF Room	4	110	440	
Total Net Building Support			2,640	
Building Total NSF			46,100	
Circulation / Walls			20,745	45.00%
Total Gross Square Feet (GSF)			66,845	

ELGIN HIGH SCHOOL: existing library space

Is the existing library big enough to accomodate new capacity?



TEA Standard:
LIBRARIES

< 100 Students 1,400 SF	< 101-500 Students 1,400 SF + 4 SF/student in excess of 100 students
< 501-2,000 Students 3,000 SF + 3 SF/student in excess of 500 students	+ 2,001 Students 7,500 SF + 2 SF/student in excess of 2,000 students

8,500 SF required for 2,500 students

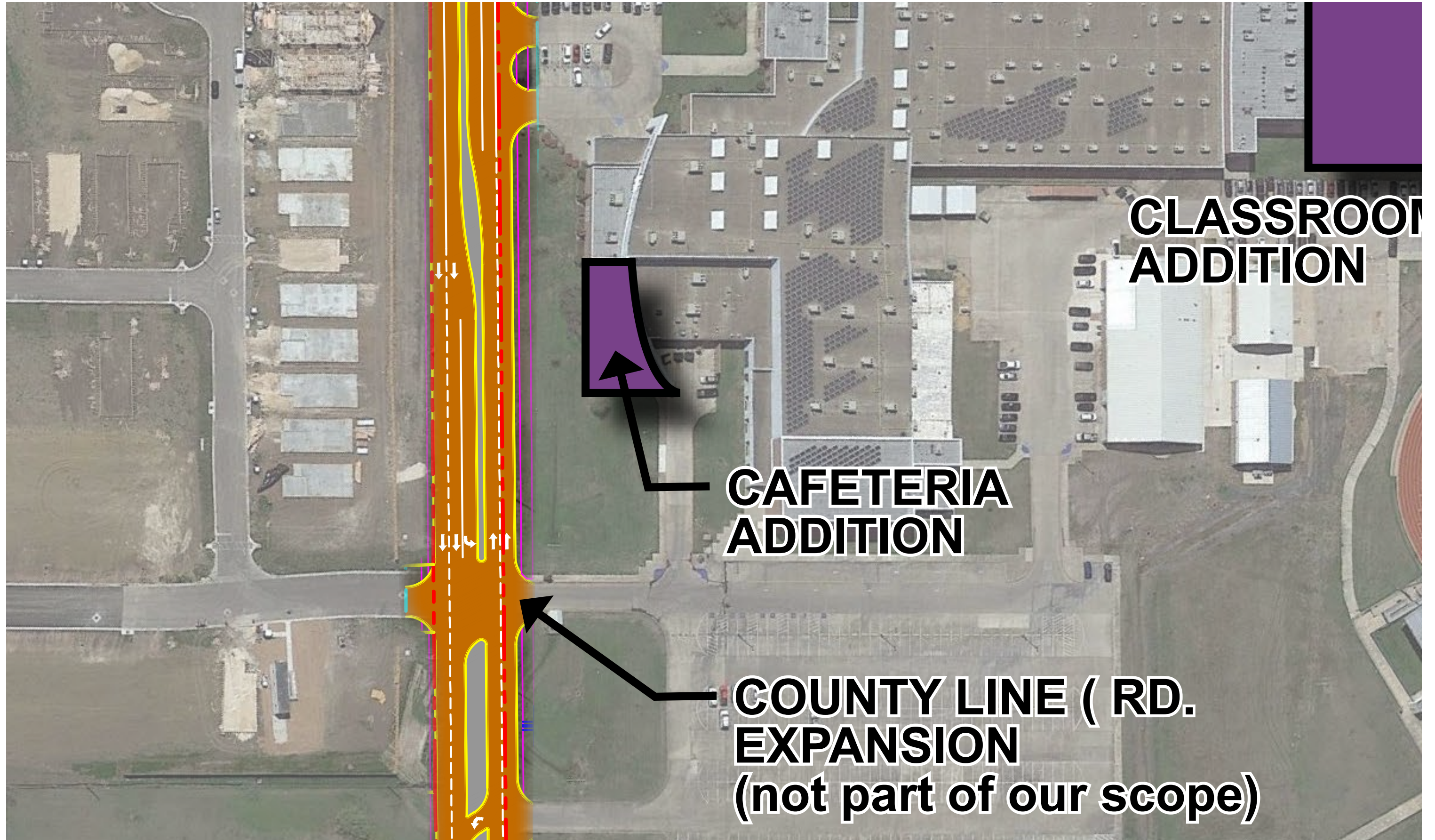
**The library may be dispersed if necessary under the design model. The sum total footage of all library-related areas shall meet the minimum square feet specified for libraries in paragraph, as noted above.

8,600 SF total media space if including collaboration areas above of existing library

Cafeteria Expansion

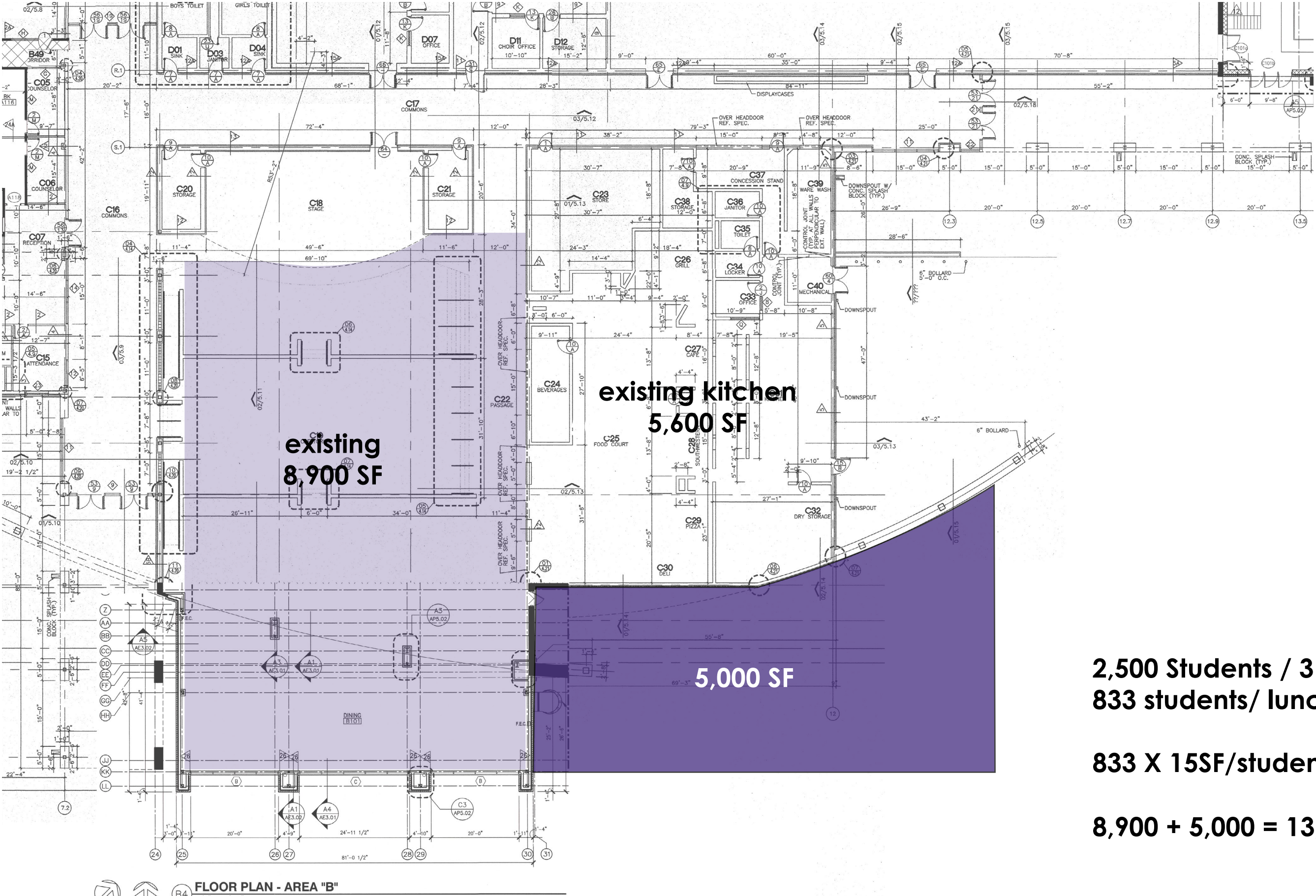
ELGIN HIGH SCHOOL: existing library space

5,000 SF addition to accomodate addition 330 students per lunch



ELGIN HIGH SCHOOL: existing library space

5,000 SF addition to accomodate addition 330 students per lunch



2,500 Students / 3 lunches
833 students/ lunch

833 X 15SF/student = 12,500 SF

8,900 + 5,000 = 13,900 SF



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Thank you!

Next Steps

Develop detailed program based on today's feedback

Set up follow up meeting to confirm final program

Set up date for first design community meeting



S & P