Artesia Public Schools | Freshman High School

Steering Committee Meeting | October 14, 2014

DEKKER
PERICH
SABATINI

ARCHITECTURE
DESIGN
INSPIRATION

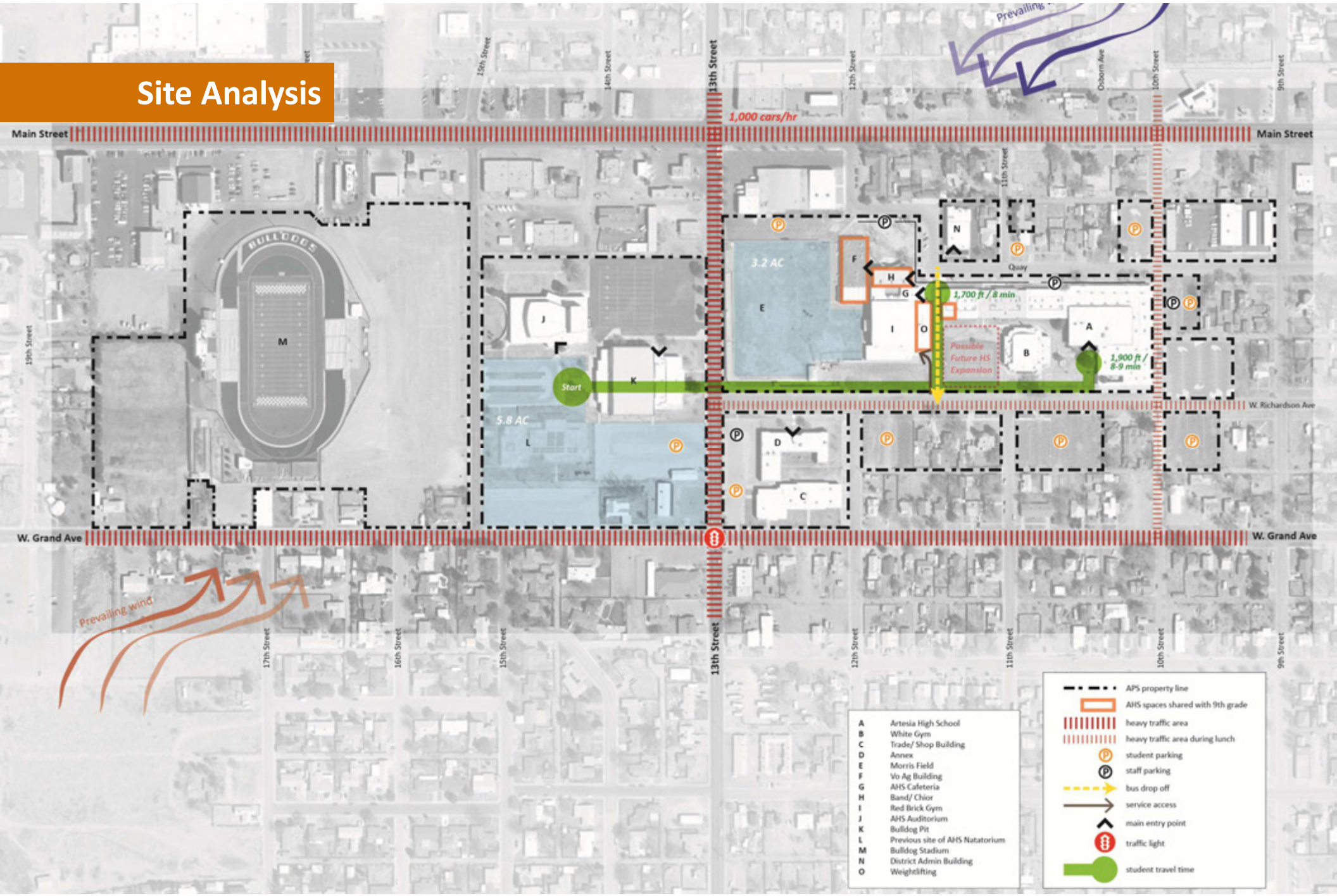
Agenda

1. **Project Update**
    - *Survey ongoing*
    - *13th st improvements*
    - *Project goals*
2. **Site Analysis**
3. **Utilization update**
4. **Preliminary program**
5. **Test Fits**
6. **Next Steps**

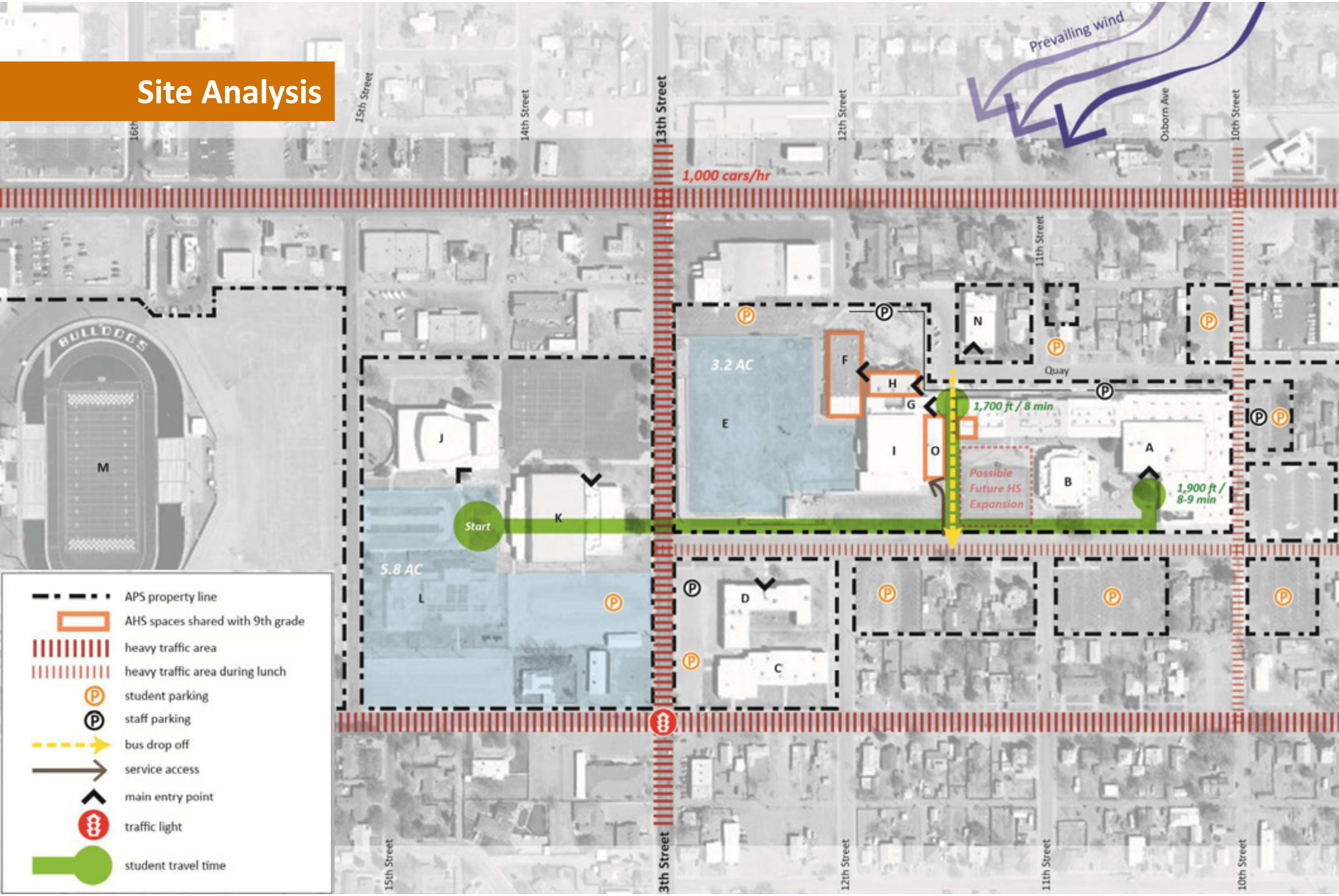
Goal Setting

- **Function**
  - Safe and secure
  - Robust technology
  - Plenty of daylight
  - Wide circulation and common areas
  - Inviting atmosphere
  - Flexibility
- **Identity/Image**
  - Show piece
- **Relationship to site/community**
  - Closed campus
- **Long term operations**

Site Analysis



Site Analysis



Utilization – 9th Grade Spaces

Overall Utilization **82%**

- General classroom 90% *(includes spaces shared by 8th grade classes)*
- Gymnasium 86%
- Electives/Specialty Classes: 60%
  - Family consumer science 100%
  - Wood working 100%
  - Computer lab 71%
  - Weight training (not in gym) 29%
  - ESL 29%
  - band/chorus spaces 29%

Utilization – High School Spaces

Overall Utilization	**82%**	
• Main High School Building	87%	
• Choir/ Band	36%	*(some 9th graders integrated in this program)*
• Vo Ag Building	100%	*(some 9th graders integrated in this program)*
• Annex	72%	*(some 9th graders integrated in these programs)*
• Shop	72%	*(some 9th graders integrated in these programs)*

Utilization – Shared Spaces

- Existing utilization – Choir/ Band
  - *HS Choir = 43%* *HS band = 29%*
    JHS Choir = 29% *JHS band = 29%*
    71% ***57%*** ***(utilization if shared)***
- Vo Ag Building
  - *JHS students already integrated*
- Annex
  - *JHS students already integrated*
- Shop
  - *HS Wood working: = 43%* *JHS = 100%*
  - *HS Drafting = 71%* *(9th graders already integrated?)*
- Other programs?
  - *Weightlifting?*

Preliminary Programming

Based on 400 students

	ADEQUACY				PROPOSED			
	New High School Compliance to PSFA Adequacy Standards for 400 Students				*Design Program for 400 Students*			current enrollment from grades 1-9 = 259 - 355
Description of Space	***Qty.***	***Area Each***	***Net SF***	***PSFA Adequacy Standards & Comments***	***Qty.***	***Area Each***	***Net SF***	
1.0 GENERAL CLASSROOM								
Core Classrooms (math, lang arts, soc studies)	9	810	7,290	*25 nsf + 2 nsf storage per student, 650 min sf*	9	900	8100	Additional float classroom(s)?; science and core will serve 360 kids
Science Lab	3	1,200	3,600	*4 nsf per student in program*	3	1800	5400	similar in size to zia based on interviews
Science Prep Room	2	80	160		2	150	300	
Computer Lab	2	1,200	2,400	*900 nsf min, 3 nsf/student*	2	1200	2400	can this be used as a homeroom?
ISS	1	810	810	*25 nsf + 2 nsf storage per student, 650 min sf*	1	900	900	
Total square footage			**14,260**				**17100**	
2.0 SPECIAL EDUCATION								
Spec.Ed Classroom (type I; A, B, C Levels)	2	500	1,000	*450 sf minimum, 15 students max*	2	500	1000	14-29 students in B+C
Special Ed - (D level)	1	1,000	1,000	*450 sf minimum, 8 students max*	1	1000	1000	1-7 students in D
Kitchenette	1	80	80	*included in tare space*	1	100	100	
restroom	1	60	60	*included in tare space*	1	60	60	
OT/PT	1	500	500		1	500	500	
testing			0		1	250	250	how many student at a time?
Total square footage			**2,640**				**2910**	
3.0 CAREER AND TECHNICAL								
family consumer science	1	1,200	1,200	*650 nsf min, 4 nsf/student in program*	1	1200	1200	food lab needed? How does current space work?
woodworking/shop	1	1,600	1,600	*650 nsf min, 4 nsf/student in program*	1	1600	1600	
driver's ed classroom	1	1,200	1,200	*650 nsf min, 4 nsf/student in program*	1	900	900	
Total square footage			**1,200**				**1200**	

Preliminary Programming

	ADEQUACY				PROPOSED			
	New High School Compliance to PSFA Adequacy Standards for 400 Students				*Design Program for 400 Students*			
Description of Space	***Qty.***	***Area Each***	***Net SF***	***PSFA Adequacy Standards & Comments***	***Qty.***	***Area Each***	***Net SF***	
4.0 MEDIA CENTER								
Media Center	1	2,000	2,000	*minimum 2000 sf, 3nsf/student*	1	2000	2000	technology integration? Computer lab/ dedicated work stations?
A/V Storage	1	175	175		1	250	250	
storage					1	400	400	
Office/workroom	1	400	400	*1 nsf/student*	1	400	400	
lecture space			0		1	1800	1800	assumed double classroom size - how many seats needed? What all will take place in this space?
Total square footage			**2,575**				**4850**	
5.0 PERFORMING ARTS								
Mulsc/Band	1	2,000	2,000	*5 nsf/student*	1	2000	2000	
Storage/practice rooms							0	practice rooms required?
Art	1	900	900		1	1000	1000	one space sufficent? Technology integration?
Total square footage			**2,000**				**2000**	
6.0 PHYSICAL EDUCATION								
Gym (basketball court)	1	6,500	6,500	*6500 for high school aged students*	1	6500	6500	
Bleechers	1	1,800	1,800	*1.5(400sf) x3 sf*	1	3600	3600	3x population (1200 seats)
Locker rooms	2	1,500	3,000		2	2000	4000	
office	2	150	300		4	150	600	
weightlifting			0		1	2000	2000	is this needed?
storage					1	500	500	what are the storage needs?
Total square footage			**11,600**				**17200**	
7.0 FOOD SERVICE / STUDENT DINING								
Cafeteria	1	6,000	6,000	*15 nsf/student*	1	6000	6000	assumed one seating to be able to align with HS bell schedule
Kitchen	1	1,700	1,700	*1,700 min sf, 2nsf per meal*	1	1700	1700	
Total square footage			**6,000**				**7700**	

Preliminary Programming

	ADEQUACY				PROPOSED			
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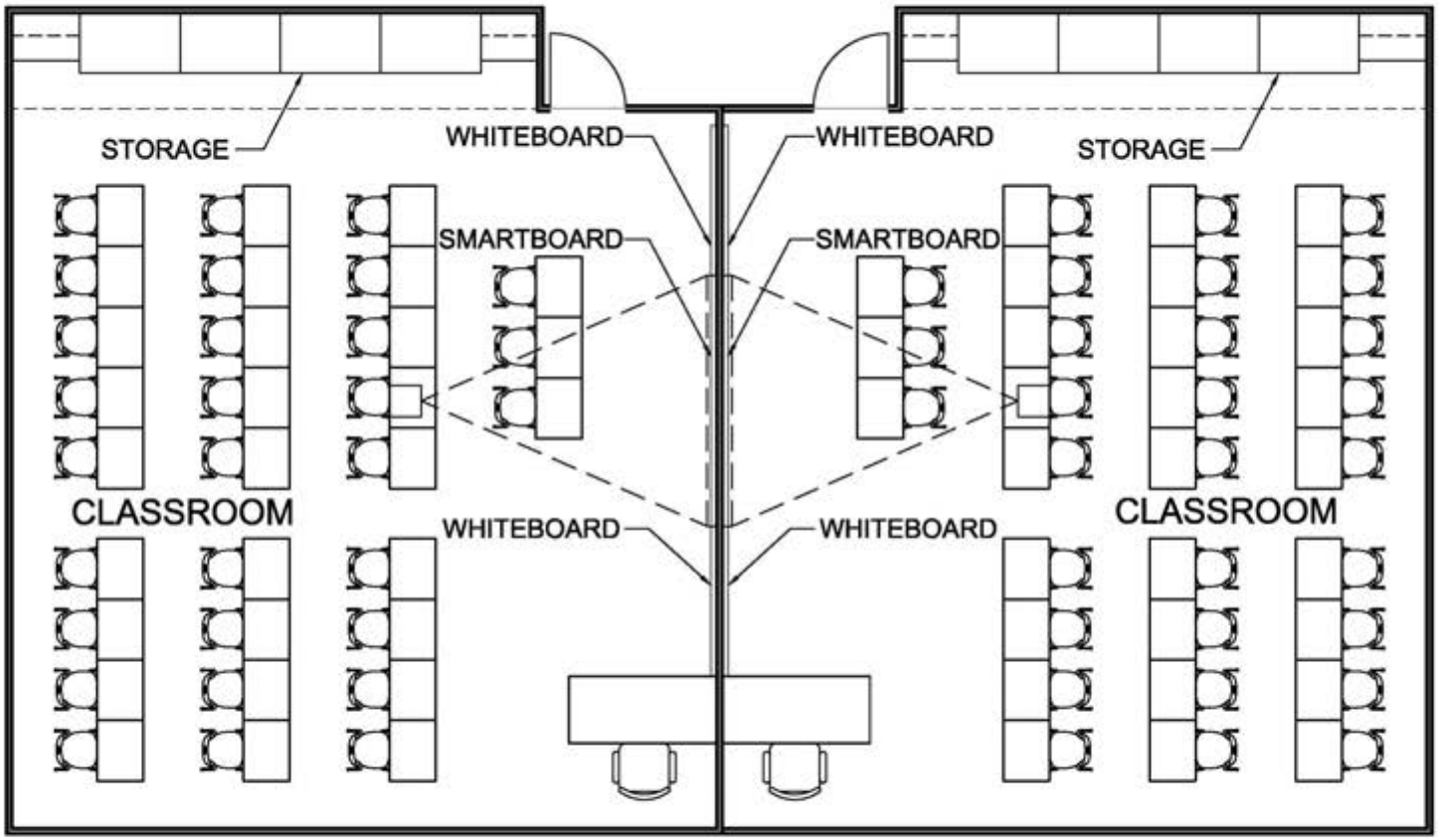
Description of Space	***Qty.***	***Area Each***	***Net SF***	***PSFA Adequacy Standards & Comments***	***Qty.***	***Area Each***	***Net SF***	
8.0 SUPPORT AREAS								
custodian	1	200	200	*0.5 nsf/student*	1	300	300	
Central Storage	1	400	400	*1 nsf/student*	1	500	500	
Total square footage			**600**				**800**	
9.0 ADMINISTRATION								
Admin Suite	1	750	750	*150 nsf + 1.5 nsf by school capacity*			2000	
Lobby				*included in tare*	1	400	400	
Reception/Waiting	1	0	0	*part of admin suite*	1	500	500	
administrator			0		1	150	150	
Principal Office	1	0	0	*part of admin suite*	1	300	300	
Conference Room	1	0	0	*part of admin suite*	1	300	300	seats 10-12 people, is one adequate
Records Room	1	0	0	*part of admin suite*	1	150	150	
supply				*part of admin suite*	1	200	200	
Faculty Lounge	1	400	400	*1 nsf/student*	1	600	600	how many staff? Eat at one time?
Teacher Workroom	1	400	600	*1nsf/student 150 sf min*	1	600	600	could be scattered around building?
health	1	400	400	*1 nsf/student*	1	500	500	
Nurse Office	1	0	0	*part of clinic*			0	
Treatment/Cot Area with Curtains	1	0	0	*part of clinic*			0	
Clinic Storage	1	0	0	*15 sf min*			0	
Restroom	1	0	0	*part of clinic*			0	
Counselor Office	1	400	400	*1nsf/student*	1	250	250	storage requirements? Seating?
counseling space			0		1	200	200	CYFD, ancillary staff, what is needed in this space?
office for ancillary staff			0		2	150	300	diagnostician, speech, audiologist
SRO			0		1	150	150	
Total square footage			**2,550**				**4300**	

Preliminary Programming

Description of Space	ADEQUACY: New High School Compliance to PSFA Adequacy Standards for 400 Students — Qty.	Area Each	Net SF	PSFA Adequacy Standards & Comments	PROPOSED: Design Program for 400 Students — Qty.	Area Each	Net SF
NET BUILDING AREA (NSF)							
Total net square footage			29,825				58,060
TARE Percentage on Net Building Area			30%	PSFA Maximum Allowable Tare			30%
GROSS BUILDING AREA (GSF)							
Total Gross Square Footage			42,607				82,943

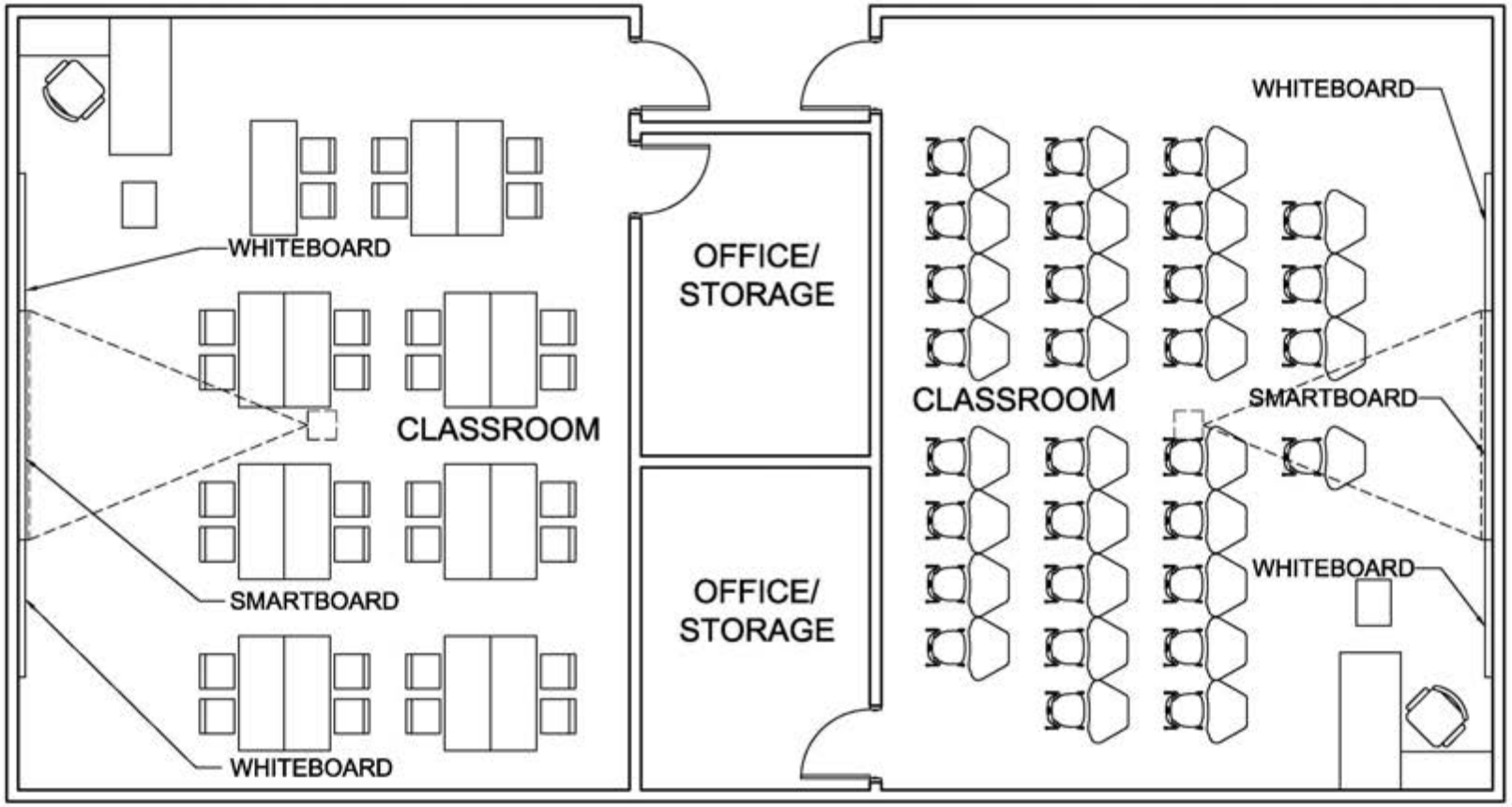
- Initial space estimate was approximately 80,662sf for 450 students based on state adequacy standards.
- Minimum state adequacy standards for 400 students = 73,487sf

Test Fits _ General Classrooms



- 900sf, 30 students
- Technology integration?
- Need for dedicated computer stations or laptop use?
- Storage requirements?

Test Fits _ General Classrooms



- 900sf, 30 students
- Technology integration?
- Need for dedicated computer stations or laptop use?
- Storage requirements?

General Classrooms

General Classrooms

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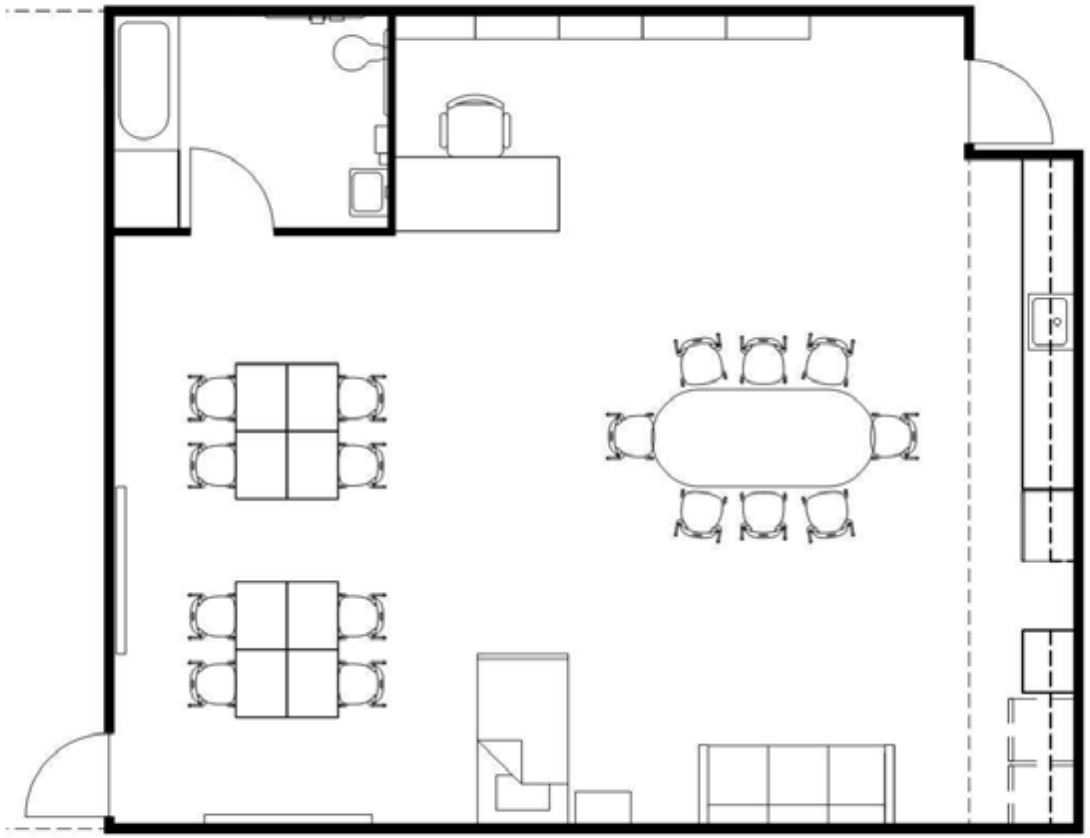
General Classrooms

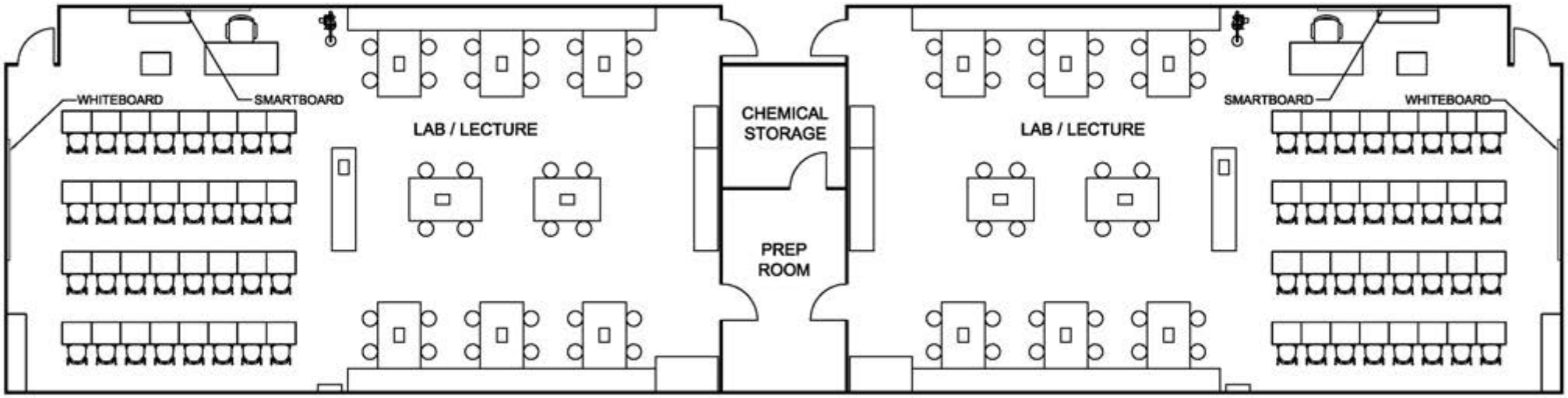
nex+Gen Academy

Test Fits _ Special Education



- 1000sf
- Dedicated storage required?
- Computer work – dedicated computer stations needed or use laptops?
- Proximity to other spaces: close to admin

Test Fits _ Science Classrooms



- 1600sf each
- Separate lecture and lab space each for 30 students
- Shared prep room and chemical storage

Science Classrooms

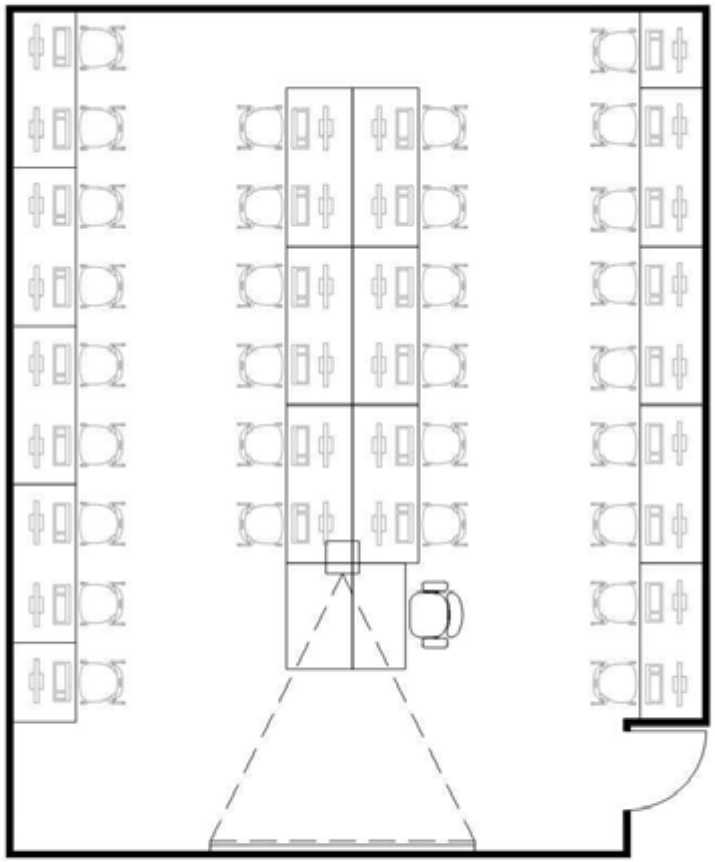
Science Classrooms

Science Classrooms

Los Alamos Middle School

Science Classrooms

Test Fits _ typical computer lab



- 900sf - similar to typical classroom
- Stations for 30 students
- Storage requirements?

Computer Lab

UNM Collaborative Teaching & Learning

Computer Lab

Computer Lab

“Common Areas”

- Physical “heart” of the school
- Multi-purpose space linking major school components together
- Blurs traditional spatial boundaries
- Accommodates health and wellness activities
- The cultural and intellectual nucleus of the school

“Common Areas”

nex+Gen Academy

“Common Areas”

nex+Gen Academy

“Common Areas”

UNM Collaborative Teaching & Learning

“Common Areas”/ Cafeteria

Centennial High School

“Common Areas”/ Media Center

Media Center

Del Norte High School

Media Center