

First Responders Campus

Fresno City College \ Programing \ November 6, 2019



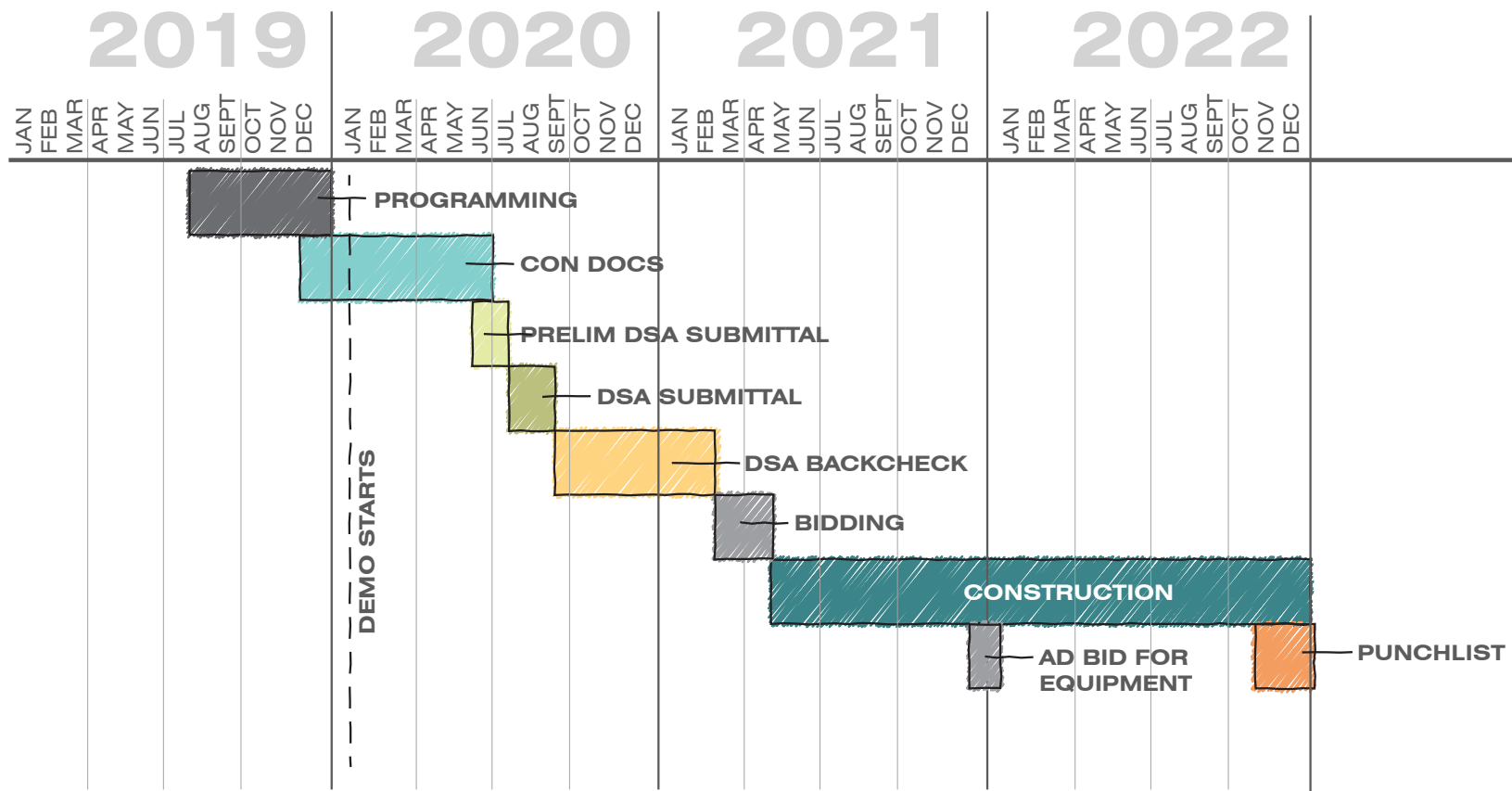
ARCHITECTURE \ ENGINEERING \ PLANNING \ INTERIORS \ TECHNOLOGY \ FACILITY CONSULTING

AGENDA



- I. Introductions
- II. Project Update & Schedule
- III. Design Process
- IV. Overall Program Review
- V. Program Review
 - . Police
 - . Fire
 - . EMT/Paramedic
 - . Shared Administration
 - . Shared academic
- VI. Next Steps
- VII. Preliminary Site Design Diagrams

PROJECT UPDATE & SCHEDULE



DESIGN PROCESS



1. DESIGNING WORLD CLASS ENVIRONMENTS

- RESEARCH TRENDS
- PROGRAM VERIFICATION & TEST FITS
- VISUALIZATION (SKETCHES, RENDERINGS, VR)



DESIGN PROCESS

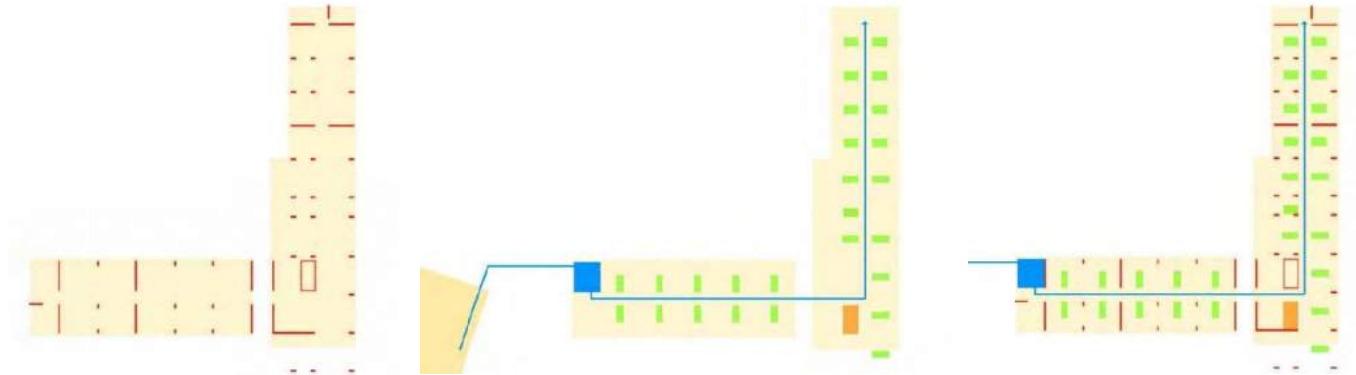
2. HIGH PERFORMANCE DESIGN

- HOLISTIC APPROACH IN WHICH THE STRUCTURAL AND MEP SYSTEMS ARE STUDIED AT THE EARLIEST STAGES OF DESIGN IN ORDER TO CREATE EFFICIENT, COST EFFECTIVE SYSTEMS THAT WORK WITH AND ENHANCE THE ARCHITECTURE.

3. Structure:

The pricing is submitted as follows: direct cost of work excluding mark-ups and contingencies:

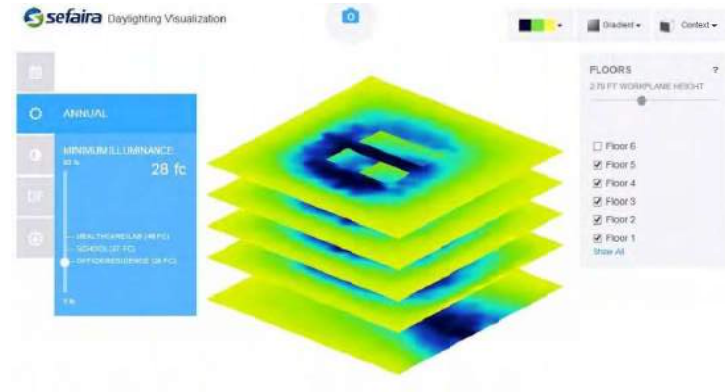
Scope/Phase	Takeoff Cost Model (SCM)	CFMF	CF Flat Slabs	Notes
1. Foundation	\$19.50	\$2.70	\$3.10	BGS
2. Slab on Grade	Included	\$1.70	\$1.70	BGS
3. Elevated Slabs, Columns and Shear Walls	Included	\$4.20	\$12.25	BGS
4. Hoisting/Grate	Included	\$1.50	\$2.00	BGS
5. CFMF	\$26.00	\$26.32	None	White Pool/RSL
6. Decking	Included	Included	None	White Pool/RSL
7. Drywall	\$15.88	\$12.61	\$25.83	White Pool/RSL
Total	\$52.38	\$51.03	\$55.58	
1. Based on 80,000 gsf	\$4,160,400	\$4,082,400	\$4,636,400	
2. Schedule Impact		4 weeks	0 weeks	
3. Engineering		6 weeks	8 weeks	
4. General Conditions	\$1,013,694	\$211,345	\$0	
Total	\$4,160,400	\$4,293,545	\$4,446,400	



DESIGN PROCESS

3. HIGH PERFORMANCE DESIGN

- ENERGY MODELING AND DAYLIGHT ANALYSIS
- LEED, WELL BUILDING SYSTEM, NET ZERO



Preliminary Site - Option 1



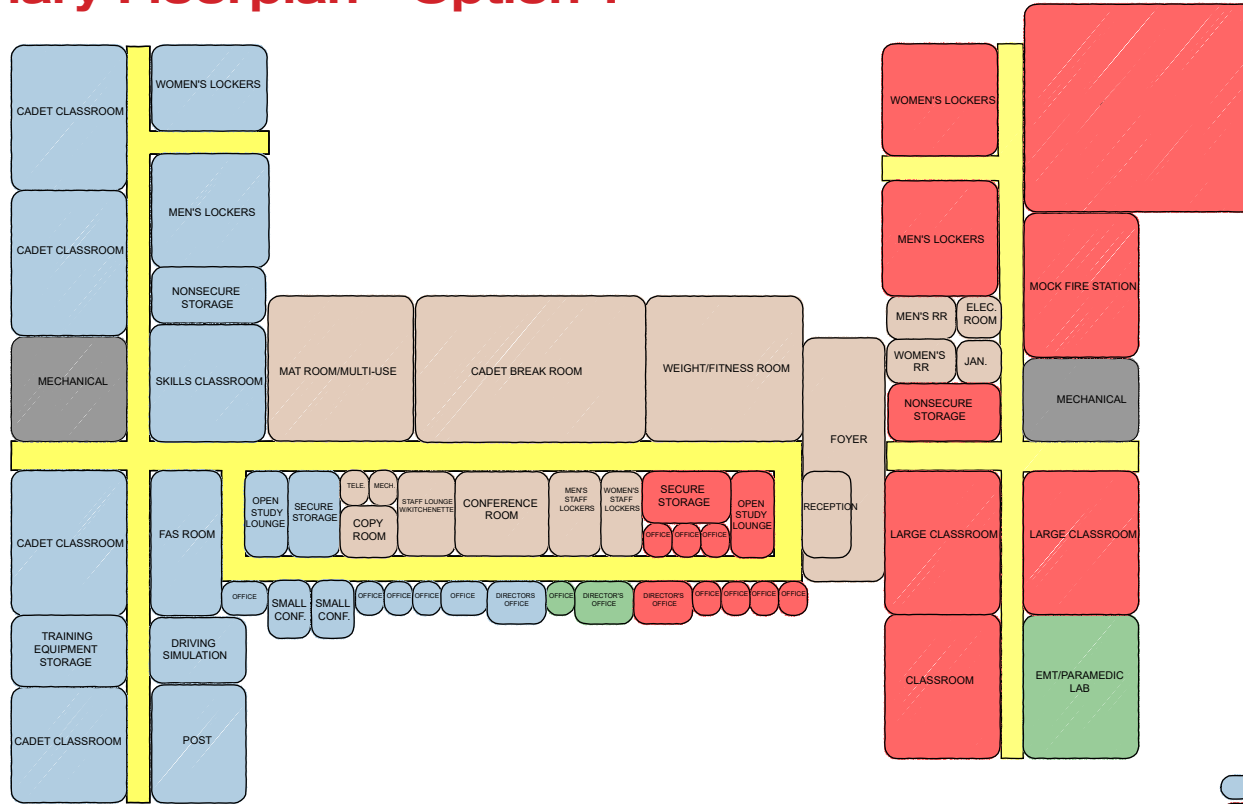
Preliminary Site - Option 2



Preliminary Site - Option 3

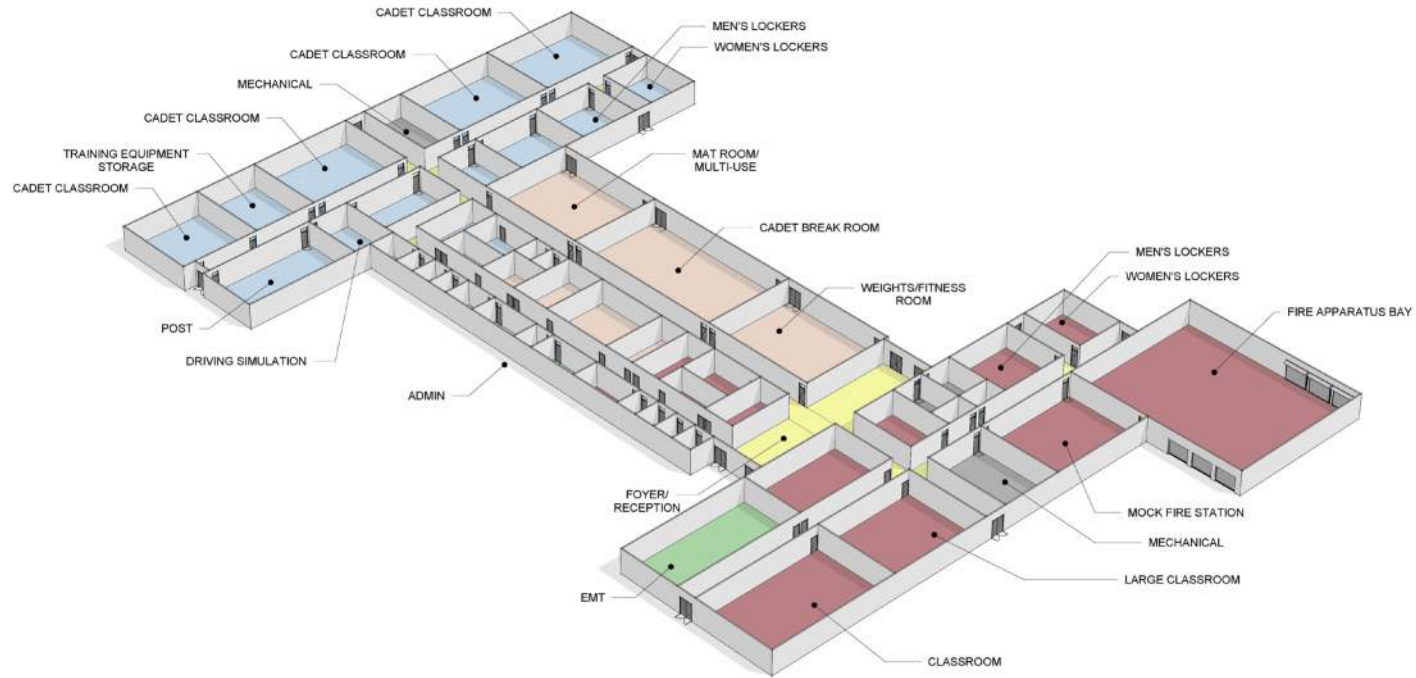


Preliminary Floorplan - Option 1

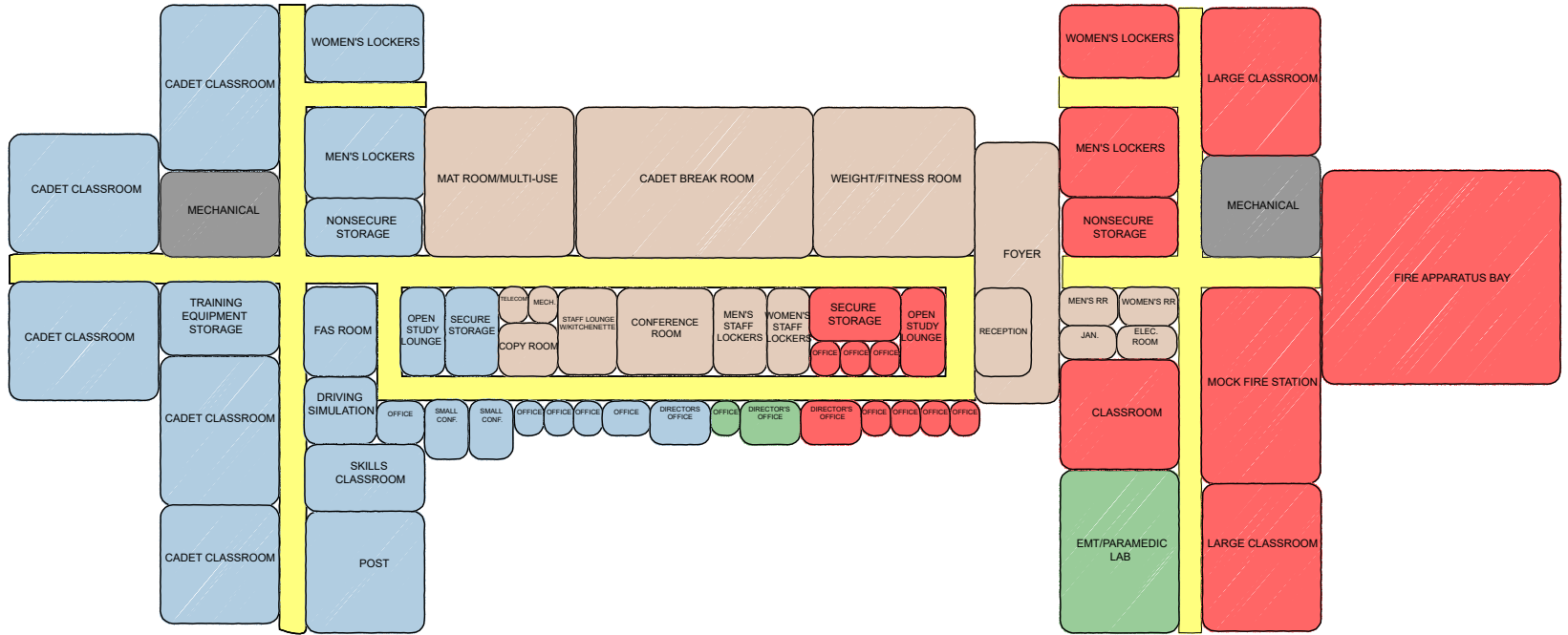


- POLICE DEPARTMENT
- FIRE FIGHTERS DEPARTMENT
- EMT
- SHARED
- SUPPORT
- CIRCULATION

Layout Axonometrics - Option 1

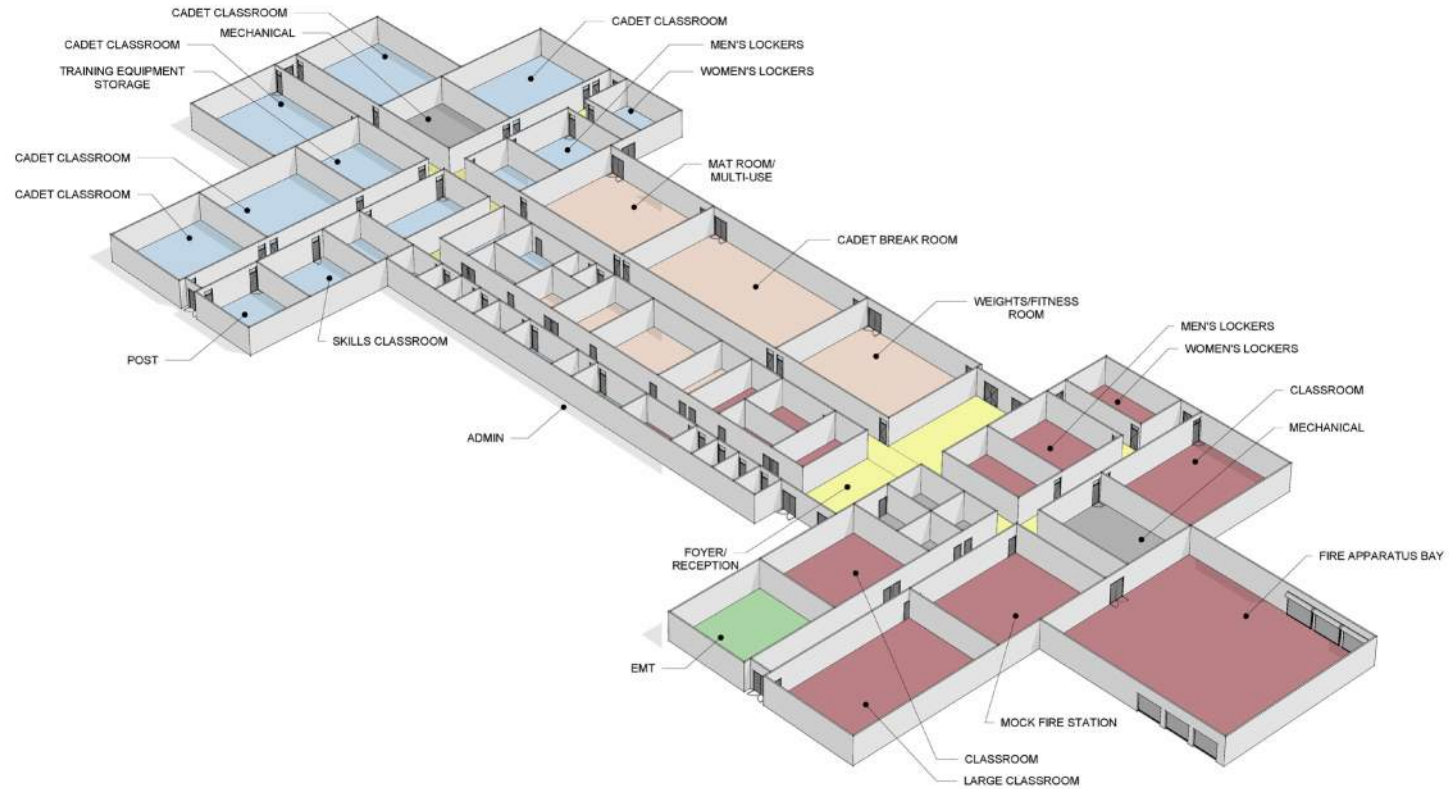


Preliminary Site - Option 2

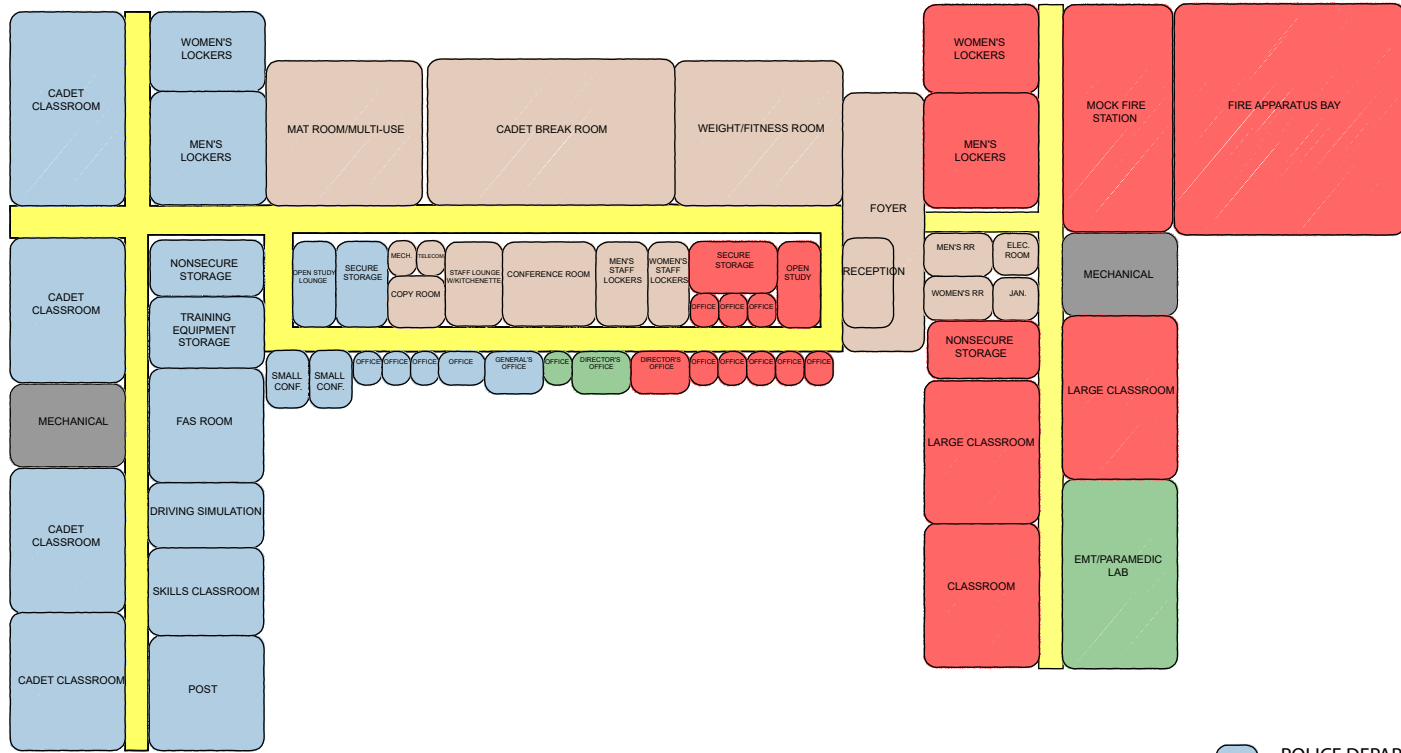


- POLICE DEPARTMENT
- FIRE FIGHTERS DEPARTMENT
- EMT
- SHARED
- SUPPORT
- CIRCULATION

Layout Axonometrics - Option 2

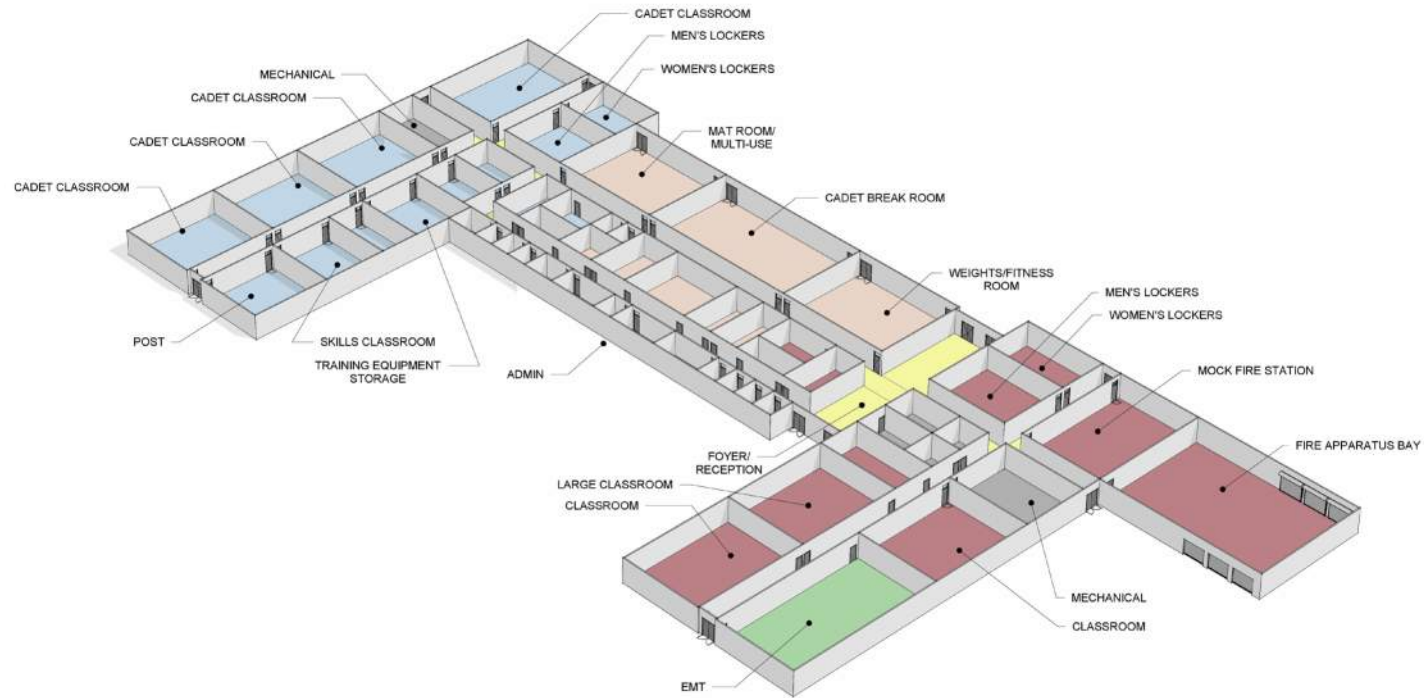


Preliminary Site - Option 3



- POLICE DEPARTMENT
- FIRE FIGHTERS DEPARTMENT
- EMT
- SHARED
- SUPPORT
- CIRCULATION

Layout Axonometrics - Option 3



THANK YOU
SIMPBK
sim-pbk.com