Alamance Community College

Biotechnology Center of Excellence

Schematic Design Presentation | February 26, 2020

Schematic Design Progress

dec

Step #1
Programming and Planning Concepts

Review draft program and priorities

Determine planning concept

jan

Step #2
Refine Strategies

Refine program scope and detail with leadership and faculty input

Initial floor plans, typical classroom and teaching lab concepts

Site plan progress
(CoE and parking sites)

Meetings:
- ACC stakeholder group
- ACC faculty follow-up

feb — mar

Step #3
Schematic Design package

Documentation to include:

- drawings (building and site)
- building systems narratives
- building performance narrative
- cost estimate

SCO / ACC review

Presentations to community leadership.

Next steps
Design Development

project target cost - Advance Planning Summary

total GMP construction cost	**$14.81 million**

includes Center of Excellence and remote parking lot

includes contingency and escalation

total project cost	**$17.6 million**

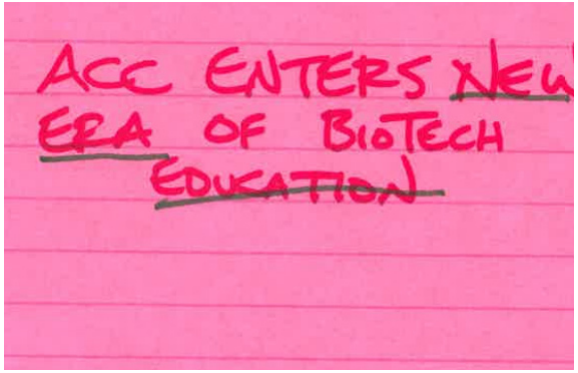
includes owner’s contingency

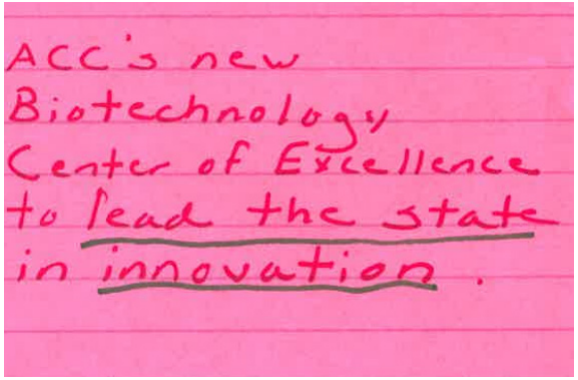
includes design fees and CM@risk pre-construction

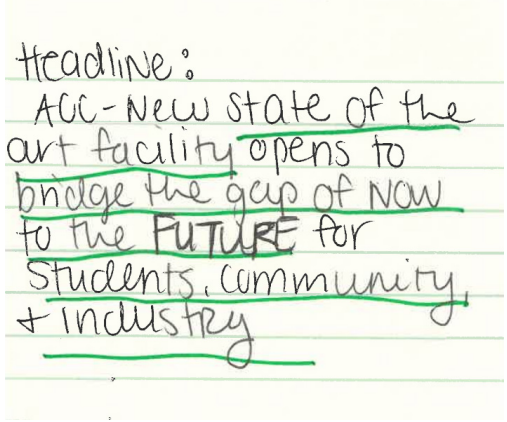
includes Owner’s reserve

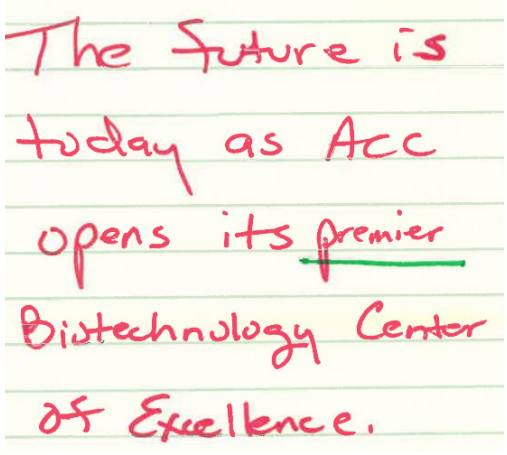
guiding principles

- PREMIERE INSTITUTION
- PROGRESSIVE DESIGN
- FEELS 'BIG'
- TRANSFORMATIVE
- ADAPTIVE PROGRAM
- ACCESSIBLE
- STUDENT FOCUSED / STUDENT SPACES
- INTEGRATE WITH CAMPUS AND SITE
- INCORPORATE OPEN SPACE









program summary

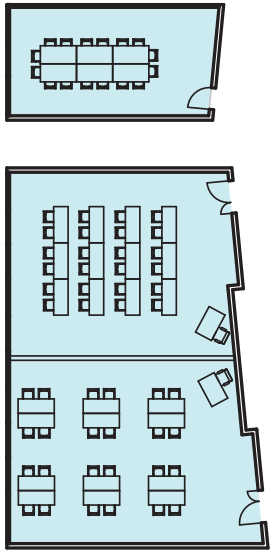
PROGRAM SUMMARY				
PROGRAM TYPE	**SPACE NAME**	AREA/ ROOM	# ROOMS	NET PROGRAM AREA
CLASSROOM	24-PERSON CLASSROOMS	840	2	1680 NSF
	12-PERSON SEMINAR ROOM	530	1	530 NSF
LAB	TEACHING LAB - GENERAL	1510	1	1510 NSF
	DEDICATED LAB MODULE 1 - BIO-MANUFACTURING LAB AND HISTOTECHNOLOGY	1045	2	2090 NSF
	DEDICATED LAB MODULE 2 - BIO/AG AND BIO-TECH / AG-BIO CLEAN ROOM	665	2	1330 NSF
	LAB SUPPORT		mulitple	995 NSF
GH	GREENHOUSE	2000	1	2000 NSF
OFFICES	OFFICES SUITE - INCLUDES DIRECTOR'S OFFICE, RECEPTION, SECURITY, 5 OPEN WORKSTATIONS, SMALL CONFERENCE ROOM, AND KITCHEN/BREAK ROOM		multiple	1330 NSF
GATHERING	STUDENT SEATING/STUDY AREA		multiple	2700 NSF
SHELL SPACE	FUTURE CLASSROOM OR LAB			6255 NSF
TOTAL NET SQUARE FEET PROGRAM AREA				20420 NSF
TOTAL GROSS SQUARE FEET BUILDING AREA (60% EFFICIENCY)				**33775 GSF**

program summary

CLASSROOMS + SEMINAR SPACE

CAMPUS RESOURCE

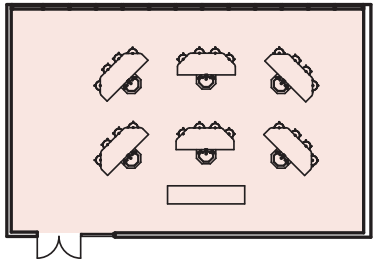
UTILIZATION RATE CAN BE OPTIMIZED TO SUPPORT CAMPUS CLASSROOM NEEDS



GENERAL BIOLOGY TEACHING LAB

CAMPUS RESOURCE

UTILIZATION RATE CAN BE OPTIMIZED TO SUPPORT CAMPUS CLASSROOM NEEDS

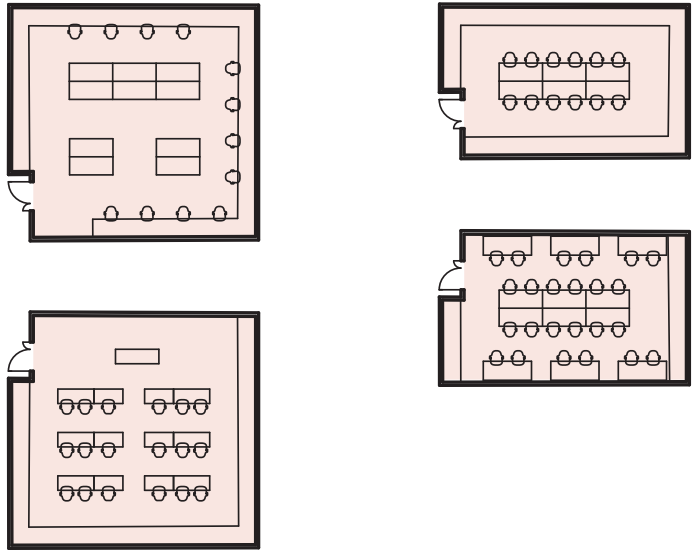


DEDICATED BIOTECHNOLOGY / BIO-AG / HISTOTECHNOLOGY TEACHING LABS

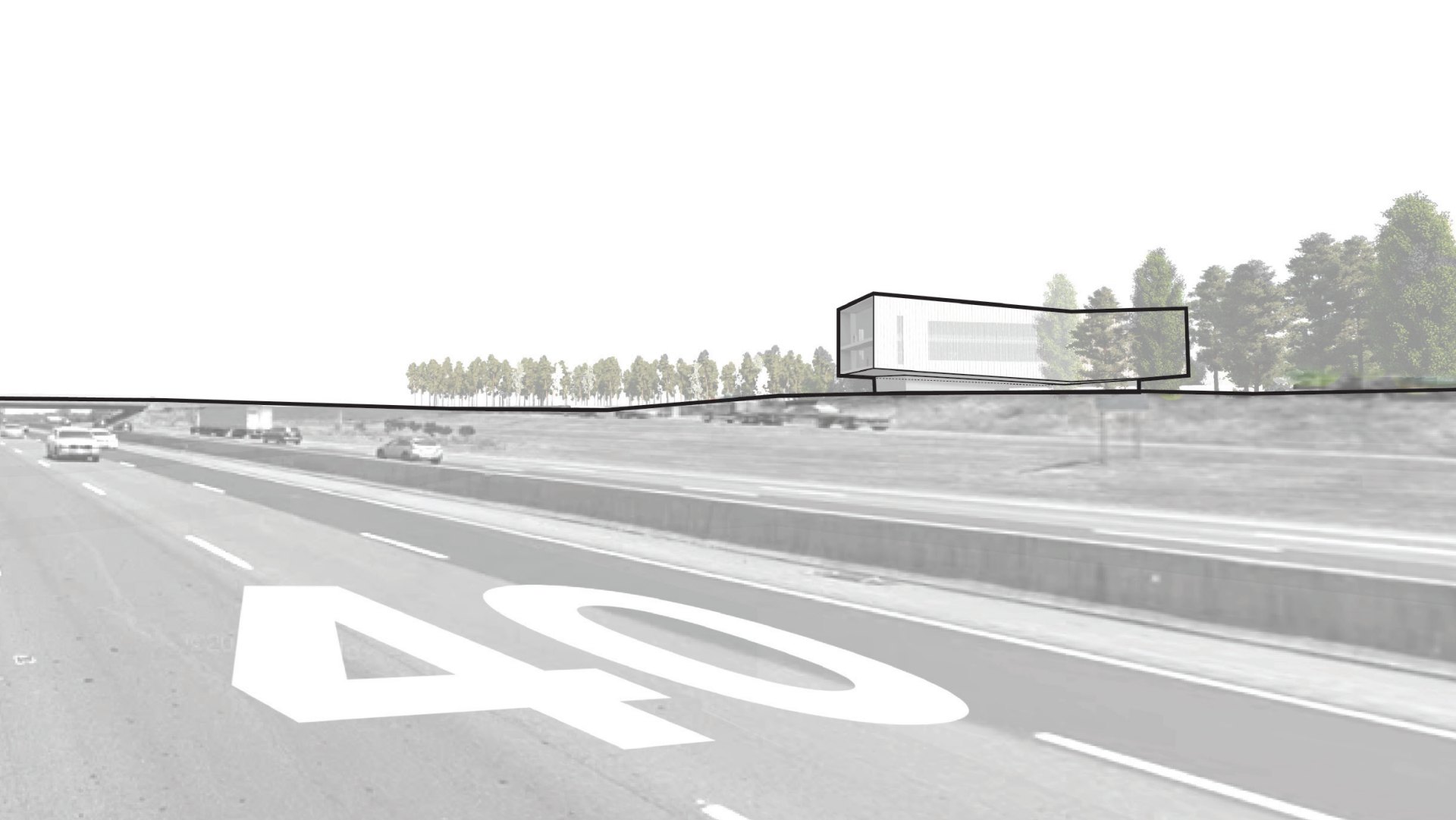
SPACES ARE PROGRAM-SPECIFIC

UTILIZATION RATES TO INCREASE AS PROGRAMS GROW (ASSUMING MORE CLASSES ARE ADDED)

DESIGNS ARE ADAPTABLE FOR FUTURE CLASS NEEDS




UNIVERSAL ACCESS RAMP TO MAIN CAMPUS
STUDENT SEATING
GREENHOUSE
PLANTING BUFFER
PEDESTRIAN ACCESS PATH / APPROACH
RAIN GARDEN / BIO-RETENTION
INTERSTATE 40 - 85
CENTER OF EXCELLENCE
DYNAMIC HARDSCAPE PLAZA
NATURAL MEADOW
JIMMIE KERR ROAD


40