

ARCHITECTS
ENGINEERS
CONNECTED

6-5-17 bold/italic items are revisions to the original program notes

Future Meetings:

- Dr. Caldwell
- Students

A. Specific Room Requirements

- 1. Existing Machine Shop
 - a. Remove existing coiling door (south wall)
 - i. This may become a V.E. item if budget is an issue
 - b. Existing coiling door (east wall) to remain for loading/unloading
 - c. Enclose outdoor area (north) with fencing for shop use
 - i. Modify fence so that existing door to new Computer Lab can be accessed from North.
 - d. Provide shaded area and fencing at east entrance to allow for tractor storage and outdoor work area
- 2. Existing Computer Lab
 - a. The existing classroom was determined by staff to be the best space to convert to a computer lab due to its proximity to the existing CNC machines
 - i. Laptops are existing, plan for 24 desktops with convertible furniture (computer desks that convert to working desks)
 - ii. Remove existing sink/countertop
 - iii. no other enhancements are required for this room to convert to computer lab
 - iv. Refer to FCC T102 or T104
 - v. Transitional computer desks (if space allows, show on plan)
 - vi. OK to bring power/data to desks via power poles
- 3. Existing Counselor Office
 - a. Convert to 3-D printing room due to proximity to computer lab
 - i. Verify location of existing wall separating counseler from computer lab
 - b. (3) 3-d printers
- 4. Maintenance(previously labeled Welding)
 - a. Create separate area within Maintenance for Welding (locate at south end of Maintenance and Ag Shop)
 - i. Consider back to back booths with one oversize booth for ADA/demo
 - ii. 15 fixed booths, no 480V service required



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iii. 15 Existing mobile stations will be relocated from existing welding area, provide storage area

- b. Provide centralized gas storage with distribution manifold
- c. Add air compressor (OK to be located at exterior)
- d. Add hand wash sink, shower, eyewash

5. Plants and Soils Lab (previously labeled Dry Lab)

- a. Dry lab with 24 stations
- Lab casework with chem-resistant countertops on two walls with water, gas, vacuum
- c. Movable tables
- d. No connectivity to Ag Shop/Ag Welding is required
- e. Fume hood with chem-resistant bottom (not stainless steel)
- f. Storage room required
- g. Hazardous chemical storage cabinet required
- h. Closet for vacuum pump required
- i. I.T. needs to weigh in regarding remote learning capabilities in this room
- j. Add oven for drying soils
- k. Provide power at floor
- I. Reduce casework to create teaching wall

6. Ag Shop (previously labeled Ag Lab)

- a. Adjacent to Ag Welding
- b. Provide tool storage
- c. 14 foot ceilings
- d. 12-foot coiling door (1)
- e. 14-foot coiling door (1)
- f. Workstation for Instructional Technician inside shop
- g. Provide shade awning (attach to building) over North coiling doors.
- h. Add hand wash sink, shower, eyewash
- i. Large equipment will be serviced (tractors, trailers)

7. New Restrooms

- a. Multi-accomodation restrooms for Men and Women
 - i. Label restrooms Men/Women rather than Girls/Boys
- Restrooms accessible from exterior of building so they can be used by all students

8. Existing Restrooms

- a. Showers not required
 - i. Consider removing showers and adding additional toilet fixtures
- b. Convert both restrooms to single occupancy, gender neutral restrooms



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- 9. Lecture Room (2)
 - a. 24 students each
 - b. Movable partition separating rooms
 - Locate partition pocket at north wall so that south wall can be used for teaching
 - c. Consider furniture that can be used to convert computer desks to working desktops in one room, lecture-style setup in second room
 - d. No direct access to labs is required
 - e. No visibility to/from labs is required
 - f. Claudia to provide technology requirements at Classrooms
 - g. Provide a revised design for classroom use (teaching walls) for both 24 and 48 students
- 10. Faculty Offices (4)
 - a. 90 s.f. each, located in close proximity to each other, and near Lecture Room
 - b. Provide sidelights at doors (match existing campus)
 - c. Claudia provide SCCCD standards for staff office (L-shaped desk, file cab, bookshelf, 1-2 guest chairs)
 - d. Provide storage/copy room (copier, counter, supply storage)
 - e. Incorporate 'breezeway' for better connectivity between various uses in building (admin /shops/restrooms)
 - f. Consider locating admin functions at south west end of building, and making restrooms more centralized and accessible by students using either building
- 11. Counselor Office
 - a. 90 s.f.
 - b. Add 'Resource Center" next to Counseler
- 12. Break Room/Conference Room
 - a. 8 users
 - Include sink, space for *residential* refrigerator, countertop, microwave, coffee maker
 - c. More of a break room than a conference room
 - d. This room can be reduced in size (8 people)
- 13. Covered outdoor area
 - a. Create a true multi-use space
 - b. Consider shade sails (color, softer aesthetic) for cover
 - c. Limited built-in furniture (prefer movable)
 - d. Provide power for tools/equipment
 - e. Provide power for student use (laptop and phone charging)



Center for Agriculture and Technology Concept Design Meeting 1

6.5.17

- f. Reduce nesting areas for birds
- g. Space must accommodate equipment demo
- h. Do not wish to mix student gathering area with educational area
- i. Provide secure fencing layout
- 14. Student outdoor area
 - a. Keep existing elm tree
 - b. Consider fountain
- 15. Exterior design
 - a. Materials and overall aesthetic are acceptable

Project construction budget: \$3.75M