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8.18.17 ***bold/italic*** items are revisions to the previous program notes

#### Future Meetings:

- Dr. Caldwell
- Students
- Industry Partners (Mike Betts? Sam Geil? Kevin ***Herman***? TBD by SCCCD)

#### 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. Plan for 24 desktops with convertible furniture (computer desks that convert to working desks, refer to Sam's photo; match those provided at Reedley College)
      1. CPU's will be used, not laptops
    - 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
      1. Desks aligned against one wall (as shown) allows power to be brought in without poles (preferred)
    - vii. Relocate teaching station to west wall
  - b. Owner requests that existing wall separating classroom from CNC machines remain (prefer not to relocate this wall)***
3. Existing Counselor Office



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- a. Convert to 3-D printing room due to proximity to computer lab
    - i. Verify location of existing wall separating counselor from computer lab
  - b. (3) 3-d printers
    - i. Provide power/data at printing room for CNC machines
4. Maintenance (previously labeled Welding)
- a. Create separate area within Maintenance for Welding (locate at south end of Maintenance and Ag Shop)
    - i. Provide booths along perimeter of room to maximize space and supervision
    - ii. 15 fixed booths (**minimum**), no 480V service required
    - iii. 15 Existing mobile stations will be relocated from existing welding area, provide storage area
    - iv. 4'-0" wide doors
    - v. Designate one area (previously labeled EL/IT) to gas tank storage. Provide access from building interior, not exterior
    - vi. Provide ventilation at booths (from top, not side) to maximize space.**
    - vii. ADA booth to be closest to door**
    - viii. Confirm booth sizes (match existing) and maximize quantity**
  - 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. **Add drinking fountain bubbler to sink.**
  - e. Provide double doors at Storage Room
5. Plants and Soils Lab (previously labeled Dry Lab)
- a. Dry lab with 24 stations
  - b. 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
    - i. Designated Haz mat room not required
    - ii. Cabinet must be accessible from within classroom
  - h. Closet for vacuum pump required
  - i. I.T. needs to weigh in regarding remote learning capabilities in this room



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- j. Add oven for drying soils
  - k. Provide power at floor
    - i. Lab tables should be able to be 'plugged in' for power/data
  - l. Reduce casework to create teaching wall
    - i. Claudia provide standards for teaching wall (technology, etc.)
  - m. Provide power and utilities at teaching station. Move teaching station **toward south** side of room
  - n. **12'-0" x 12'-0" coiling doors, electric-operated**
6. Ag Shop (previously labeled Ag Lab)
- a. Adjacent to Ag Welding
  - b. Provide tool storage
    - i. Provide double doors at Storage Room
  - c. 14 foot ceilings
  - d. **14-foot (high) x 16'-0" wide coiling door at north wall, electric-operated**
    - i. **Other coiling doors can be 12'x12', electric-operated**
  - e. Workstation for Instructional Technician inside shop
  - f. Provide shade awning (attach to building) over North coiling doors.
  - g. Add hand wash sink, shower, eyewash. **Add drinking fountain bubbler to sink.**
  - h. Large equipment will be serviced (tractors, trailers)
  - i. **Flip location of Tank storage and Mechanical room and ensure that required fire-rating is provided at Tank Storage room.**
7. New Restrooms
- a. Multi-accomodation restrooms for Men and Women
    - i. Label restrooms Men/Women rather than Girls/Boys
  - b. Restrooms accessible from exterior of building so they can be used by all students
  - c. Student Restrooms accessible from interior of building (shops). Okay to reduce fixture count to create hallway access.
  - d. Okay to reduce staff restrooms (1 total)
8. Existing Restrooms
- a. Showers not required
    - i. Consider removing showers (if budget allows) and adding additional toilet fixtures
  - b. Convert both restrooms to single occupancy, gender neutral restrooms
9. Lecture Room (2)
- a. 24 students each
  - b. Movable partition separating rooms



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- i. 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
    - i. **Show 18x60 tables, lecture-style setup in each classroom for Owner review**
  - d. No direct access to labs is required
  - e. No visibility to/from labs is required
  - f. Claudia to provide technology requirements at Classrooms
    - i. Provide power/data for portable monitors at south wall of both 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
  - g. Use additional office space for future office (currently labeled 'RESEARCH')
- 11. Counselor Office
  - a. 90 s.f.
  - b. Add 'Resource Center' next to Counselor
- 12. Break Room/Conference Room
  - a. 8 users
  - b. 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



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- e. Provide power for student use (laptop and phone charging)
  - f. Reduce nesting areas for birds
  - g. Space must accommodate equipment **demonstration**
  - h. Do not wish to mix student gathering area with educational area
  - i. Provide secure fencing layout
  - j. Omit 'Canopy for Tractor'**
  - k. Maximize awning (attached to north face of building) for equipment cover. Minimize columns and other items that would impact equipment maneuvering space.**
14. Student outdoor area
- a. Keep existing elm tree
  - b. Consider fountain
  - c. Consider concrete stamping or staining to add Mountain Lion
15. Exterior design
- a. Materials and overall aesthetic are acceptable
  - b. Consider adding/extending exterior covering/overhang from restrooms to Maintenance Shop exterior door to provide protection from elements.**
  - c. Consider adding a concrete pad/landing outside of existing building Tank Storage so that tanks can be delivered more easily**
16. Exterior work areas
- a. Add 20'-0" gate at fence east of existing building. Move previously shown gate to the north. **All access gates shall be sliding (not swing).**
    - i. Maintain 20'-0" clear width at shade canopy

Project construction budget: \$3.75M

Next Steps:

- Brian to contact BCF to provide GPR and topo to TETER
  - o **Estimated completion mid-September**
- Industry Partner meeting date TBD
- **TETER to provide presentation concept design slides for Owner use (due end of September)**
- **Meeting attendees unanimously agree to allow TETER to proceed with Schematic Design Phase with design modifications noted above**
- **TETER to provide a project schedule for Owner review**
- **Next meeting date TBD**