

**TECHNICAL BUILDING PROJECT SUMMARY**

HMC Job #5007007

October 3, 2013

Welding Lab 121 Renovation

Renovate Lab 121 and 21 into a single welding lab with the following:

- 12 dual Weld Station 5 units with existing welding equipment and compressed air
- Relocation of existing track cutter
- Relocation of existing plasma cutter
- Electrical service as required for welding equipment
- New HVAC equipment
- New Lighting
- Fire Sprinkler Installation
- New Doors to meet current ADA codes
- New Chainlink tool enclosure

Classroom 119 and 120 Conversion

Convert the existing Classrooms 119 and 120 into a single welding lab with the following:

- 26 single Weld Station 5 units with existing welding equipment, connected to the relocated oxyacetylene manifold.
- Relocation of existing band saw
- Electrical service as required for welding equipment
- New HVAC equipment
- New Lighting
- Fire Sprinkler Installation
- New Doors to meet current ADA codes

Welding Yard Upgrades (Alternate)

Upgrade the existing welding yard with the following items:

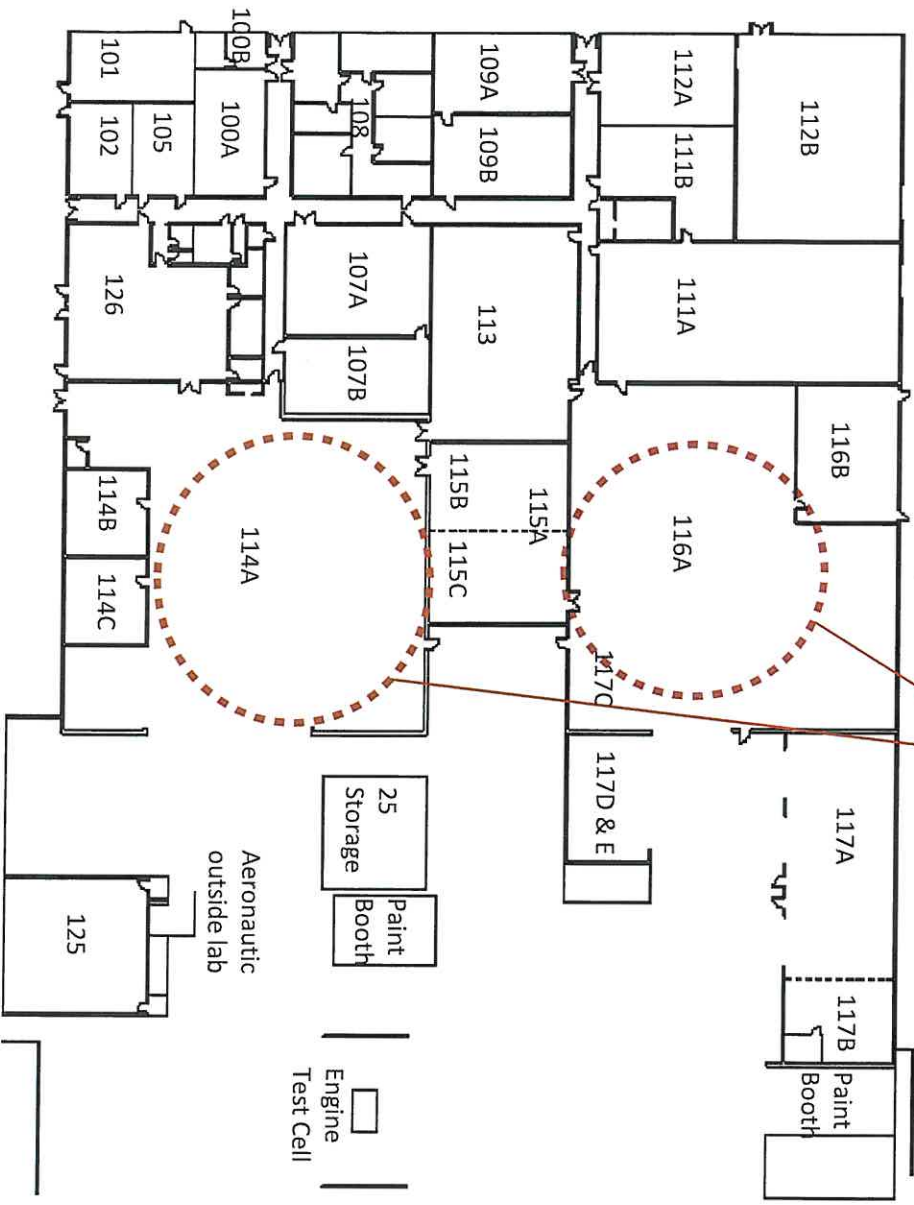
- Additional chainlink fencing and gates to fully contain yard and connect to Lab 121.
- Block wall to screen north side of site.
- New 20' x 30' metal canopy in yard.

Lab 118B Welding Station Installation

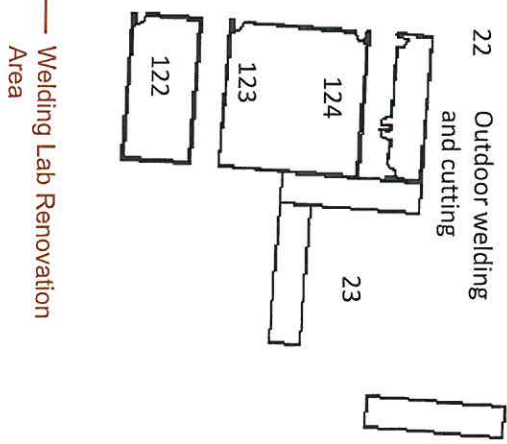
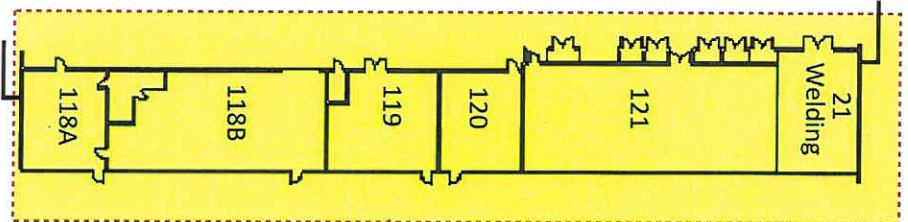
Install 3 welding stations on the north side of Lab 118B for Auto Repair use.

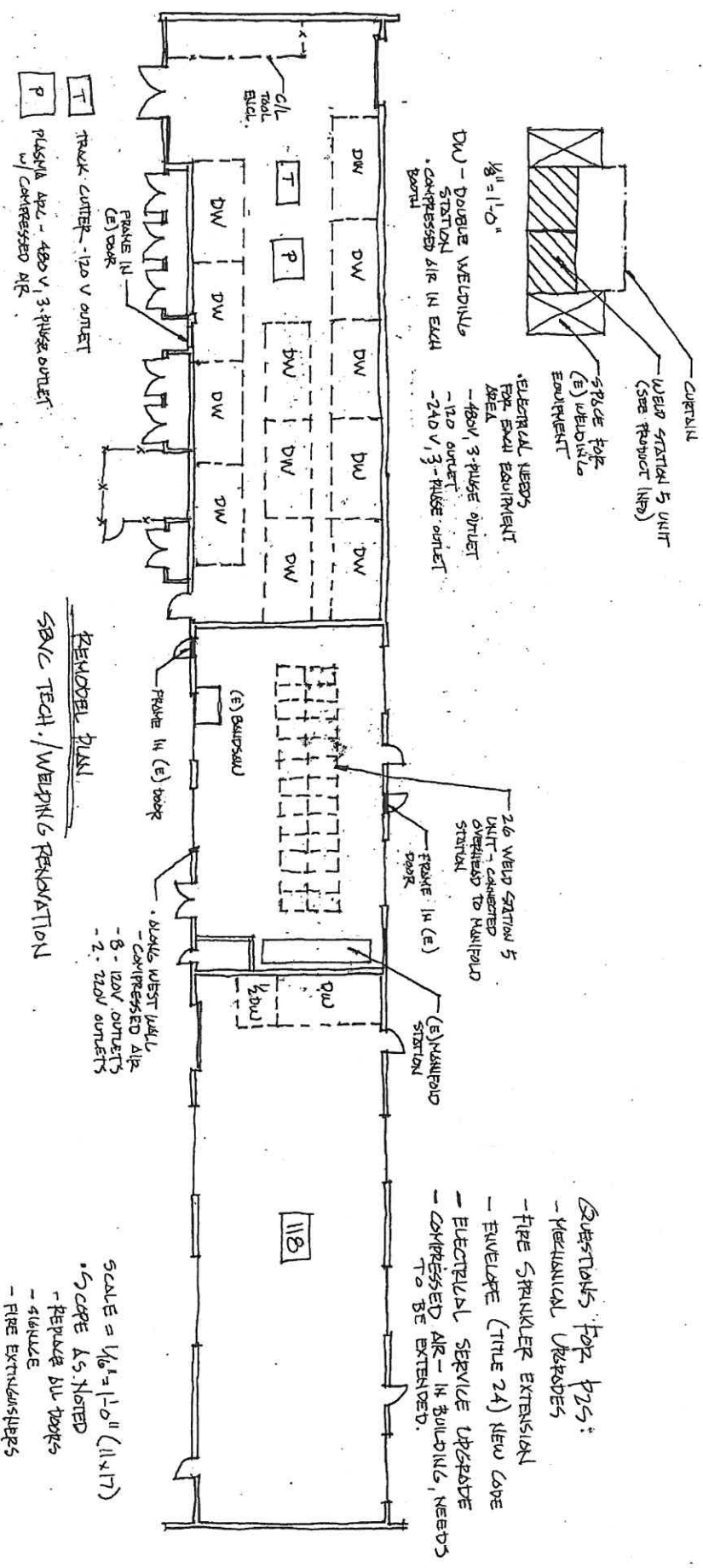
Aeronautics and Automotive Upgrades * To be completed in Mechanical Upgrades Project

- ~~Remove the existing swamp coolers in these two spaces. Provide a new 17-ton DX cooling unit in each space with distribution. This will be done as a separate DSA project. HMC will confirm that this does not trigger additional DSA requirements throughout the main building.~~



HVAC Upgrades - Only
 * To be completed in Tech Building - Mech. upgrades





1/8" = 1'-0"
 DW - DOUBLE WINDOW STATION
 • COMPRESSED AIR IN EACH ROOM

CURTAIN
 WELD STATION 5 UNIT (SEE PRODUCT LITER)
 SPRING FOR (E) WINDOW EQUIPMENT
 ELECTRICAL NEEDS FOR EXIST. EQUIPMENT AREA
 - 480V, 3-PHASE OUTLET
 - 120V OUTLET
 - 240V, 3-PHASE OUTLET

26 WELD STATION 5 UNIT - CONNECTED OVERHEAD TO HALLFOLD STATION
 FRAME IN (E) DOOR

(E) HALLFOLD STATION

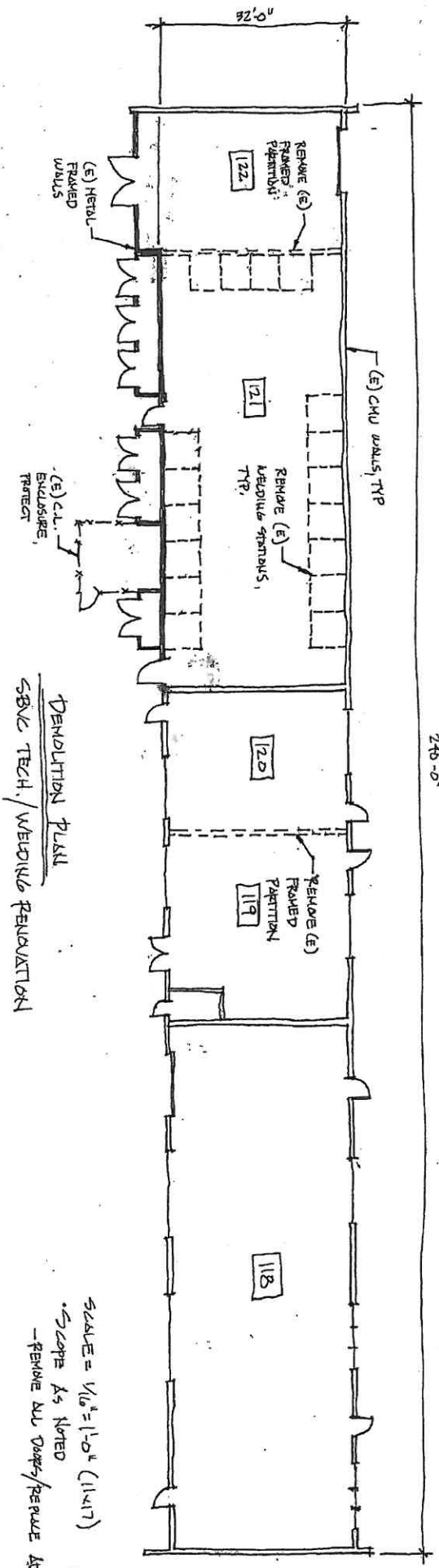
QUESTIONS FOR P25:
 - MECHANICAL UPGRADES
 - FIRE SPRINKLER EXTENSION
 - ENVELOPE (TITLE 24) NEW CODE
 - ELECTRICAL SERVICE UPGRADE
 - COMPRESSED AIR - IN BUILDING, NEEDS TO BE EXTENDED.

T TRUCK CENTER - 120V OUTLET
 P PLASMA ARC - 480V, 3-PHASE OUTLET w/ COMPRESSED AIR

REMODEL PLAN
 SBLV TECH. / WELDING REKINATION

• BLOCK WEST WALL
 - 8 - 120V OUTLETS
 - 2 - 220V OUTLETS

SCALE = 1/8" = 1'-0" (11x17)
 • SCOPE AS NOTED
 - REPAIRS ALL DOORS
 - GLAZING
 - FIRE EXTINGUISHERS



SCALE = 1/16" = 1'-0" (1:127)

* SCOPE AS NOTED

- REMOVE ALL DOORS/REMOVE ADA

Tech Building Cost Studies

ROM Preliminary Estimates

Discipline	Cost 1	Cost 2	Priority 1	Priority 2	Priority 3
Welding Lab Renovation (Cost 1)	\$2,255,894				
Costs/Scope per P2S Study (Cost 2)					
WM1-Welding Station Replacement	not required	\$488,000			
WM2-Welding Lab 121 Make Up Air	not required	\$17,300			
AU1-Auto Shop Ventilation/Cooling		\$60,000	\$60,000		
AU2-Tool Room Ventilation		\$10,000	\$10,000		
AU3-Transmission Wash Drain		\$11,600		\$11,600	
AU4-Fire Sprinkler Coverage	not required	\$136,500			
AU5-Water Heater Replacement		\$34,000		\$34,000	
AR1-Fuel Storage Ventilation		\$3,600	\$3,600		
AP2-Aeronautics Ventilation/Cooling		\$60,000	\$60,000		
GE1-Swamp Cooler Replacement		\$58,000	\$58,000		
GE2-Hose Bibb Replacement		\$11,000		\$11,000	
GE3-Eyewash Replacement		\$95,000		\$95,000	
GE4-Chemical Interceptor		\$106,000		\$106,000	
GE5-Condensate Piping Replacement		\$28,000			\$28,000
GE6-Plumbing Fixture Placement		\$188,000			\$188,000
GE7-Access Compliance Upgrades	not required	\$672,400			\$672,400
GE8-FLS Upgrades	not required	\$351,000			\$351,000
Total Construction Cost	\$2,255,894	\$2,330,400	\$191,600	\$257,600	\$246,000

More welding to east building
 Perform work on 111 - no programming (proceedings)

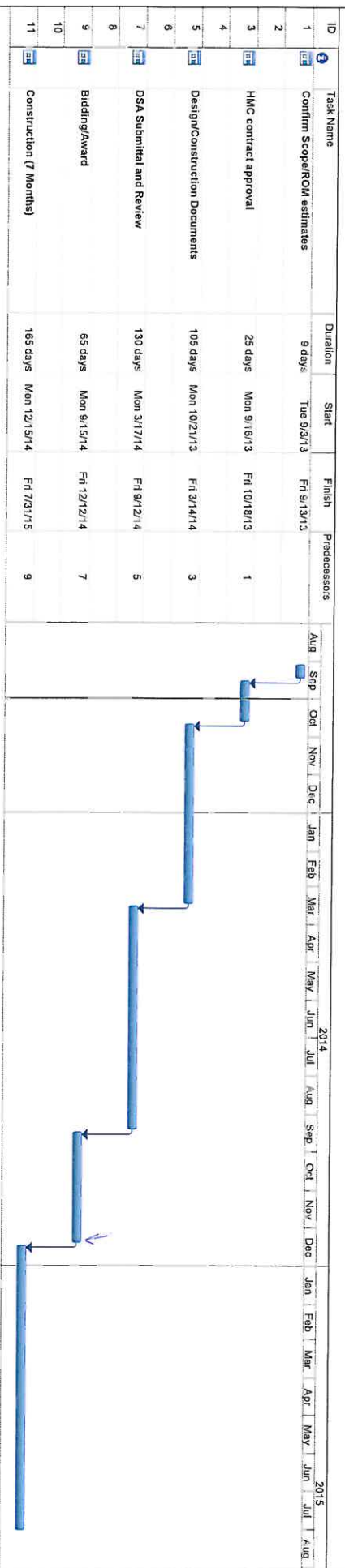
Total Construction Budget \$2,500,000
 Priority 1 - Unsafe Conditions
 Priority 2 - Conditions that are not Compliant to Current FLS codes
 Priority 3 - Items that are at Life Cycle

SB Valley College
 Tech Renovation Analysis
 September 26, 2013
 AUS + GE3 are needed
 → you're will check flow

* Total estimate for east Building: \$2,255,894
 + 10,000
 + 30,000
 = 2,265,894
 → other items in Priority 1 return to be addressed in mechanical upgrades project

Proposed Project Schedule
HMC Project Number 5007

SBVC
Welding Lab Renovation
October 3, 2013



Project: Proposed Project Timeline-11
Date: Tue 10/7/13

Task Split Milestone Summary

Project Summary External Milestone Inactive Task

Inactive Milestone Inactive Summary Manual Task Duration-only

Manual Summary Rollup Manual Summary Start-only Finish-only

Progress Deadline