



COSTA ENGINEERS INC.

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Punch List

To: Karen Copsey
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555 Main Street, Suite 300
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From: Tony Costa

Date of Inspection: July 24, 2012

Project: College of the Siskiyous New Science Building

The following items are to be completed in accordance with the contract documents, prior to acceptance of the project by the engineer and/or owner. Please instruct the contractor to take the necessary corrective action as soon as possible. Items inconsistent with the contract and not listed below are the responsibility of the contractor and shall be completed as required and specified in the contract documents.

HVAC and plumbing systems are essentially complete and have been performed in a workmanlike manner.

Fit and finish, for the most part, looks good.

1. An air and water balance report is required.
2. Adjust all automatic faucets for proper operation time.
3. Caulk all fixtures.
4. Clean all aerators, strainers, and floor drain strainers.
5. There is a significant fan transmission noise above second floor corridor #214. Noise is being transmitted through the structure. *Contractor to find cause and eliminate vibrations.*
6. Air balance has not been accomplished. There is audible noise through the displacement diffusers. *Balancer shall balance per specifications and eliminate diffuser air noise.*
7. The well providing cooling water is malfunctioning. *A properly functioning well is required prior to final water balancing.*

Note: Air Handler AH-1 and AH-2 are properly installed. Fit & finish is good. No vibrations to structure were noted.

8. Ebtron flow meters have not been calibrated. Calibrate per manufacturer's instructions.
9. Inspect and adjust all spring isolators at exhaust fan inertia pads. Ensure that all springs are free and providing proper isolation from structure.

Mechanical Room 107

10. *Label all piping as to function. i.e.: 1st floor hot water supply, etc.*
11. *Most all pressure gauges have unstable pressure readings. This is most likely due to air in the system. Bleed all air from hydronic systems.*
12. *Many pressure gauges are pegged. Remove gauges and replace with new gauges at proper operating range.*
13. *Provide gauge cocks at each gauge connection. Provide snubbers at each gauge.*
14. *Hot water supply to pump P-7 is not level. Revise piping such that undue torque/strain is eliminated from pump connections.*
15. *Pump P-7 is vibrating and transmitting noise to adjacent classroom 107. Repair or replace pump P-7 as required to eliminate noise. Field inspection of pump indicates that front motor bearings maybe defective.*
16. *Isolate piping from structure using cush-a-clamps and flexible connectors as specified.*
17. *Hot water differential pressure sensor is improperly installed. Reverse piping connections and calibrate.*
18. *Wall penetrations from mechanical rooms shall be centered through opening and eliminate all ductwork touching structure at wall penetrations. (This occurs at several exhaust fan locations.)*

Lab 120

19. *Sinks have not been installed. Install sinks per contract documents.*
20. *Some exhaust ducts at hoods in several locations are not vertical or plumb. Adjust ducts such that they are vertical and plumb to the eye. (Ducts with offsets are okay).*

End Of Punch List