

Final Project Completion Report

Project Name and Number: **JVWTP Lab HVAC Upgrades**

Description: This project included upgrading the existing laboratory HVAC system by installing a boiler, an A/C unit, and appurtenances. Previous to this project, the lab relied on the HVAC system serving the entire high rise building and that system was not able to reliably maintain the precise temperature control which the lab requires.

Engineer:	David Jensen & Assoc. Engineering	Design Status: 100%
Original Engineering Contract Amount:		\$48,300
Current Engineering Contract Amount:		\$48,300

Contractor:	Commercial Mechanical Systems and Services	Construction Status: 100%
Original construction contract amount:		\$291,900
Total Change Order amount:		\$23,226.09
Current construction contract amount:		\$315,126.09
Total change orders as a percentage of original contract:		8.0%
Completion Schedule:		
Notice to Proceed:		November 29, 2016
Final Completion:		February 23, 2017

Summary of Change Orders:		Amount
	Description	
1	Replace gas regulators, add new vent lines and leak test new gas piping.	\$7,436.30
2	Relocate light fixtures and smoke detectors. Provide credit for GFCI circuit, disconnect and duct detector.	\$1,522.03
3	Install new exhaust fan, PVS duct, electrical wiring, repair roofing and test and balance new equipment.	\$13,829.68
4	Paint gas piping installed in the project for identification.	\$1,804.28
5	Deduct scope of work related to final install exhaust for future mass spectrometer.	-\$1,366.20
Total Change Order Amount:		\$23,226.09

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New rooftop air handling unit



New boiler unit



New ductwork to the Laboratory