Abstract

This report details the design, equipment selection, and the testing of the heating, ventilating, and air conditioning design of a 6,500 square foot building on the Marine Corps Base Camp Pendleton. The building will serve two purposes, one as a Field and Weapons Company Training Office, and the other as a dental facility. The dental facility design must follow the military code of a medical facility. The systems will consist of six fan coil units to heat and cool, five exhaust fans, a chiller, a boiler, two pumps, two air separators, and two expansion tanks.