



RECENTLY COMPLETED PROJECTS

C-17 TWO BAY HANGAR—TRAVIS AFB, CALIFORNIA



HANGER INTERIOR

This 102,000 S.F., C-17 Double Bay Hangar was designed by the R. A. Burch and Tran-Systems Design/Build Team to house both C-17 and KC-10 aircraft for maintenance operations. Exterior walls were CMU to 16' and steel superstructure covered with pre-insulated stucco embossed panels with enhanced insulating qualities.



Architectural Beauty Combined with State-of-the-Art Functionality



water as well as providing containment for any accidental release of high expansion foam. To support the maintenance function, the hangar was equipped with a 400Hz power system, sized to provide power to two aircraft simultaneously. The state-of-the-art hangar was provided with high bay HID lighting, radiant heating and ventilation and is expected to be presented a LEED Silver certification.



MOVING DAY!!

The double maintenance bays are provided with a five-ton bridge crane with a clear height of 85 feet. Fire protection of the hangar is provided by a high expansion deluge foam system located above the hangar bays and accessible by a series of catwalks. Each hangar bay is supported by a 2,400 S.F. equipment area. Each bay has an unobstructed access to the flight line through a six-panel hangar door, with a clear opening of 192 feet wide and 66 feet high. The administrative area provides office space and open work area for the administration functions. It also houses a break room and bathroom/locker facilities for the maintenance personnel.



New apron pavement connects the new hangar to the airfield. A trench drain along the flight line side of the hangar carries storm

A BIG THANK YOU TO THE ENTIRE R.A. BURCH DESIGN-BUILD TEAM



“The first hangar built by the Air Force to seek LEED Silver certification”



RIBBON CUTTING CEREMONY—JANUARY 15, 2010

The new “Hangar 837” is officially open with the ribbon cutting held for the Travis community on January 15, 2010. Commander of the 60th Air Mobility Wing, Colonel James Vechery called the hangar “absolutely phenomenal” and noted that this hangar will help Travis reach anywhere in the world that mobility power is needed. The new hangar was constructed on time and under budget thanks to the smooth integration and cooperation between the R.A. Burch and Government Design-Build Teams.



Two C-17's can fit completely inside the hangar

Naval Facilities Engineering Command, Southwest Operations Officer Captain Mike Williamson, 60th Maintenance Group Commander, Colonel Carol Johnson and Colonel James Vechery, Commander of the 60th Air Mobility Wing

MINEWARTRACEN TRAINING FACILITY NAVAL BASE POINT LOMA, CALIFORNIA



Recently completed, the design-build Mine-warfare Training Center includes classrooms, laboratory spaces, an electronic maintenance high-bay with a 10-ton crane, and a 12ft deep training pool. In addition to the new construction of the training and maintenance facility there were 3 other remote sites with varying degrees of renovations to existing buildings. Wildman & Morris was our Designer of Record, ATEP expert, Civil Engineer, and Structural Engineer for the project. Vasquez Marshall was the Lead Architect with Mike Marshall (principle) working as the Design Manager.

Once the initial site plan was completed, we took the opportunity to travel with the design team and major subcontractors to Texas to see the inner workings of the MWTC command first hand and to verify our initial design work on the floor plan. Optimal circulation within the applied instruction areas was critical. It was during this visit that we learned the existing 30ft wide pool was not wide enough to train students to turn around the submersible vehicle they were being trained to operate. A 45ft wide pool was optimal, but not included in the contract. With our cost savings we were able to increase the width of the pool by 15ft, thereby bettering the training environment for all students.

On the new building site, the New Lab's Early Start of Construction progressed with the installation of structural pre-cast concrete piles to mitigate soil liquefaction, foundation work, structural steel, and concrete masonry

unit walls. The Maintenance High-Bay construction included metal insulated panels and translucent panels above the concrete masonry unit walls. This long-lasting and durable combination provided an aesthetically pleasing look to the outside of the maintenance facility while also providing a large amount of natural light for the area. The maintenance bay was equipped with compressed air, 10-ton bridge crane, eyewash stations, photocell controlled lighting, infrared heating, specialized 400hz power requirements, and 3 large overhead roll-up doors. These attributes have provided a highly functional space for Electronics Maintenance, applied instruction, and warehousing.

The Classroom and Laboratory section of the facility is a high-tech classroom and teaching facility that includes 400hz power, smartboards and projectors in all classrooms, lab spaces with compressed air, power and communication connections to equipment at the training pool, optimized HVAC system that exceeds Title 24 requirements, fire protection and alarm systems, heavy duty concrete equipment yard, SIPRNet, NIPRNet, TRANet, NMCI and access control hardware on all of the entryways. In addition, the entire project was designed to seek a LEED Gold certification.

*CONGRATULATIONS
to the entire R. A. Burch Design-
Build Team!!*



*This project was completed at a savings of \$5 Million and is
pending a LEED GOLD certification*



Ribbon Cutting Ceremony—March 12, 2010

On March 12, 2010 the new MINEWARTRACEN Training Center was officially opened and the hall has been named "Martin Hall" in honor of Navy Lt. Cecil H. Martin, a Navy Cross recipient for heroism in Vietnam in 1968. The guest speaker was Roy F. Hoffmann a retired Navy rear admiral who served as the overall commander of U.S. Swift Boats in Vietnam.

Trevor Clarke, Project Manager told the audience how proud the R.A. Burch Team was of the finished building. The quality and energy efficiency of the building will be enjoyed by it's inhabitants for years to come.

After the ribbon cutting, the MINEWARTRACEN crew simulated commissioning a vessel and ran aboard to their stations in the building.

An impressive ceremony for an impressive training facility!



Lieutenant Cecil H. Martin, USN (Retired), Rear Admiral Roy F. Hoffmann, USN (Retired) and Commanding Officer Mine Warfare Training Center, Commander