



P420 Air Wing Training Facility Naval Air Station Fallon, Nevada

2018 ABC San Diego Chapter
EXCELLENCE IN CONSTRUCTION AWARDS
PROJECT NARRATIVE

Why is this project special and what qualifies it for an award?



I am very pleased to have worked with this team and recommend them for any complex contract that you may be considering.

*~Dennis Smith, NAVFAC
Construction Manager*

STATE OF THE ART SECURITY

This project is special due to its state of the art nature supporting the beddown of the F-35 at Naval Air Station Fallon. Naval Air Station Fallon is the United States Navy's premier air-to-air and air-to-ground training grounds home to the Naval Aviation Warfighting Development Center (NAWDC), which includes TOPGUN, the Carrier Airborne Early Warning Weapons School (CAEWWS) and the Navy Rotary Wing Weapons School. The entire facility is constructed to ICD 705 standards for TEMPEST Level III construction and supports multiple classified networks including SIPRNET, ALIS, JWICS and Simultaneous Mission Playback (SMP) systems. Close coordination of the communications infrastructure was required to meet TEMPEST separation requirements for the individual Compartmented Areas (CA) within the SCIF (secure facility). A Protective Distribution System was also provided where needed between compartmented areas for higher classified networks running in a lower classified area. This new facility is first of its kind for the United States Navy and tremendously advances their capabilities for training, especially with the F-35 airframe.



P420 AIR WING TRAINING FACILITY
NAVAL AIR STATION FALLON
FALLON, NEVADA
N62473-15-D-2427-0002



PARTNERING

Another special facet of this project was the team's communication and true partnering nature which led to the success of this project. All projects are more successful with effective communication but having the multiple classified networks, the need to obtain SCIF certification, and the need to work collaboratively with Lockheed Martin on the Autonomic Logistics Information System (ALIS) requirements heightened this team's communication needs to entire new level that we haven't experienced before. This project had stakeholders such as NAVFAC SW, NAWDC, the SCIF accrediting officer, Lockheed Martin, Fallon NAS staff, as well as the design and construction team. Due to the complexity of the project and the number of key stakeholders, Straub decided to hold multiple partnering sessions throughout the project in lieu of just having one at the very beginning to ensure that everyone always knew the status of the project and to ensure communication was reaching the correct stakeholders when and how they needed it to.



P420 was a special project due to the complex and extensive quantity of networks and compartmented areas creating unique situations for design.

~Tyson Banks, Burns & McDonnell Lead Electrical/Security Engineer



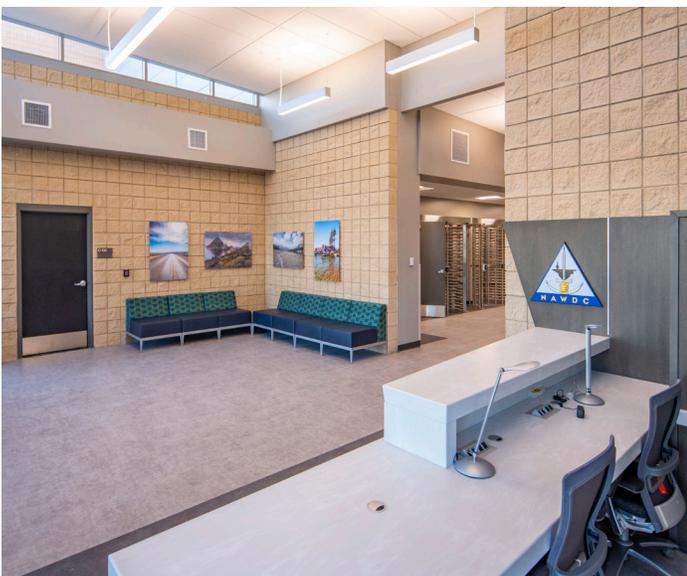
AUDIO/VISUAL

The facility has an extensive state of the art audio/visual component giving the NAVY, not only cutting edge training auditoriums and classrooms, but secure Mission Planning and briefing/debriefing rooms as well. The uniqueness of this facility is the integration of the computer systems (both the Secret Internet Protocol Router Network (SIPRNet) and Non-Secure Internet Protocol Router Network (US DoD) NIPRNET) between and amongst the various Naval departments involved in Range Operations, Mission Planning, Weapons and Defense. This is the first facility in the Navy to integrate all these various disciplines under one roof. The new training auditorium allow for two technicians to each monitor 4 computer terminals giving advanced training capabilities to the instructors for Navy pilots which can be projected on an array of High Definition monitors mounted on "screen walls" up to 24 feet wide and six feet high. The Naval Air Warfare Development Center (NAWDC) is the primary authority on training and tactics development. It provides training, assessment, aviation requirements recommendations, research and development priorities for integrated strike warfare, maritime and overland air superiority, strike fighter employment, airborne battle management, combat search and rescue, close air support and associated planning support systems. The command is also responsible for the development, implementation and administration of several courses of instruction while functioning as the Navy point of contact for all matters relating to the Air Combat Training Continuum. Additionally, NAWDC is the Navy point of contact for all issues involving the Fallon Range Training Complex. This new training facility provides the very latest technology to support NAWDC mission.



The contractor's design team members were very professional and knowledgeable in their respective disciplines. This is a very complicated building design and changes discussed during design review were incorporated immediately, not delaying significant milestones.

~Dennis Smith, NAVFAC Construction Manager



Your team worked tirelessly with us assisting with required major modifications, including a complex audio visual package, extensive networking and electronic security systems.

~R.W. Jones, Naval Aviation Warfighting Development Center Director of Headquarters

CULTURE and COMMUNITY

The local field team was invited to participate in the **3 on 3 Captains Cup** basketball tournament (30 and over) held at "Warrior Fitness Center" (also constructed by Straub Construction) on the Fallon Naval Air Station. This is a great example of how Straub's field team strives to integrate itself in the Navy culture and community. The team even had "Safety Team Straub" shirts printed up, and placed 2nd for the 2018 tournament. The team included two of Straub's field team members, two of our subcontractor's employees, and five Navy personnel. Several practices



were held prior to the tournament and the team scrimmaged with other Navy personnel working out at the fitness facility. It was a great example of participating in the Naval community from a cultural standpoint. Besides, it was great fun for the team! The attached picture shows the team members that were available on the day of the tournament: # 33 Larry Markham (Straub SSHO - Coach); # 54 John Skowronek (Straub Superintendent - Team Captain); # 17 Aaron Rogers-Jarratt (Navy - Player); # 50 Delonis Williams (Navy - Player); # 23 Zach Stiff (Navy - Player); # 32 Eddie Nelson (Navy - Player). Not shown: #34, Captain Leif Steinbaugh



(NAWDC); #31 Marcos Backling (WR Robbins); #2 Aubrey Taylor (Teledata Technologies) and Bryan O'Hare (Straub CQM - Team photographer). To show continued commitment to assimilating with the Navy culture on station, Safety Team Straub will be participating in the 5 on 5 winter basketball league at the Warrior Fitness Center beginning in January.

AWARD QUALITY PROJECT

The **P420 Air Wing Training Facility** project exemplifies the **ABC's Excellence in Construction** awards program. That program highlights both general and specialty contractors for innovative and high-quality merit shop construction projects. This project was a design-build project integrating state-of-the-art Naval technology that was almost six years in the making. It is a complex facility, integrating Sensitive Compartmented Information Facility (SCIF) construction to secure the latest, highly secret technology employed by Naval Air Warfare operations. The design and construction team worked tirelessly with the Naval Facilities Command Southwest (NAVFAC SW) and the Naval Air Warfare Development Center (NAWDC) to deliver a project that meets the most stringent accreditation requirements in the US Navy. The workmanship, innovation and safety performed by, largely, merit shop contractors, is a testament to the quality construction that is the praxis of ABC member contractors. It is an honor for Straub Construction, Inc. to submit this project for consideration.



RIBBON CUTTING

A ribbon cutting was held on the afternoon of September 5. It was a special event that the NAVY scheduled around it's Tailhook Conference held in Reno where all the Navy Admirals were in attendance. Approximately 50 admirals from around the United States were able to attend the Ribbon Cutting. Other guests included members of the Congressional staff and numerous NAVFAC and NAWDC personnel that had been working for years to bring this dream to reality. Admiral Cheevers, local admiral in charge of NAWDC, made brief opening comments, introducing the facility to the attending admirals as the "first of its kind" facility for the Navy and a prototype of what is to come in Naval Aviation training. This is the first facility to integrate the many facets of Naval Air operations that allow the US Navy to be the world leader in protecting the skies and maintaining peace across the globe. At the conclusion of the brief ceremony, the admirals were given tours of the facility and provided refreshments in the new quarterdeck.



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