



Team Members:
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ATC Mobile Office Renovation

Sponsors:
 •ATC Mobile FE – LCDR Streitmatter
 •Project Advisor – CDR Podoll



Areas of Research:

- Space Allocation Analysis based on Shore Facilities Standards Manual
- Energy efficiency and conservation – sustainable materials such as lighting, flooring and paint
- Prioritization Model based on the specific Strengths, Opportunities, Weaknesses and Threats of each space
- Decision-Making Model to choose between different solutions for a common problem based on the qualities of Cost, Payback Period, Code Applicability and Constructability

Problem Statement:

At Aviation Training Center Mobile, the Information Resource Management (IRM) and Comptroller offices are housed in spaces that are inadequate for current and future operations. IRM storage space is housed in two different locations and its office space is poorly configured for classroom and help desk functions, which decreases efficiency and adversely affects support provided to the rest of the unit. Comptroller office space is insufficient for assigned personnel and lacks proper head and locker room space, which significantly detracts from departmental efficiency and hinders the operations of the unit.

Individual Budgets:

- IRM Space: ROM \$120K
- Comptroller Space: ROM \$250K

Projected Timeline:

- 17 March 2010
 - 30% Design
- 23 April 2010
 - 75% Design Proposal
 - Completed Specification Report
- 29 April 2010
 - Capstone Presentation

Team Goal:

The goal of the ATC Mobile Space Renovation Group is to meet the specific demands of stakeholders as closely as possible while adhering to applicable building and Coast Guard related codes and regulations. In designing the renovation of these departments, the group has also set the goal of introducing energy efficient and sustainable methods and materials in order to improve the cost-effectiveness and longevity of each space.

Existing Space Configuration Highlights:



IRM Classroom – Disruptive traffic patterns funneled through space

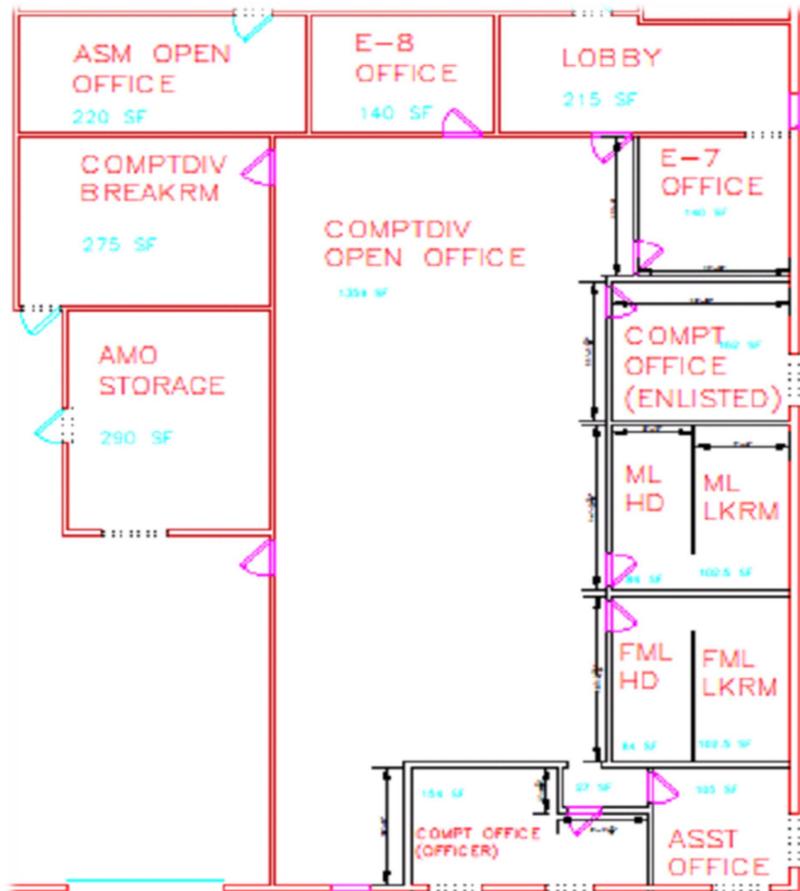


Comptroller Office Space – Too small for billeted personnel; supervisory SKC without private office

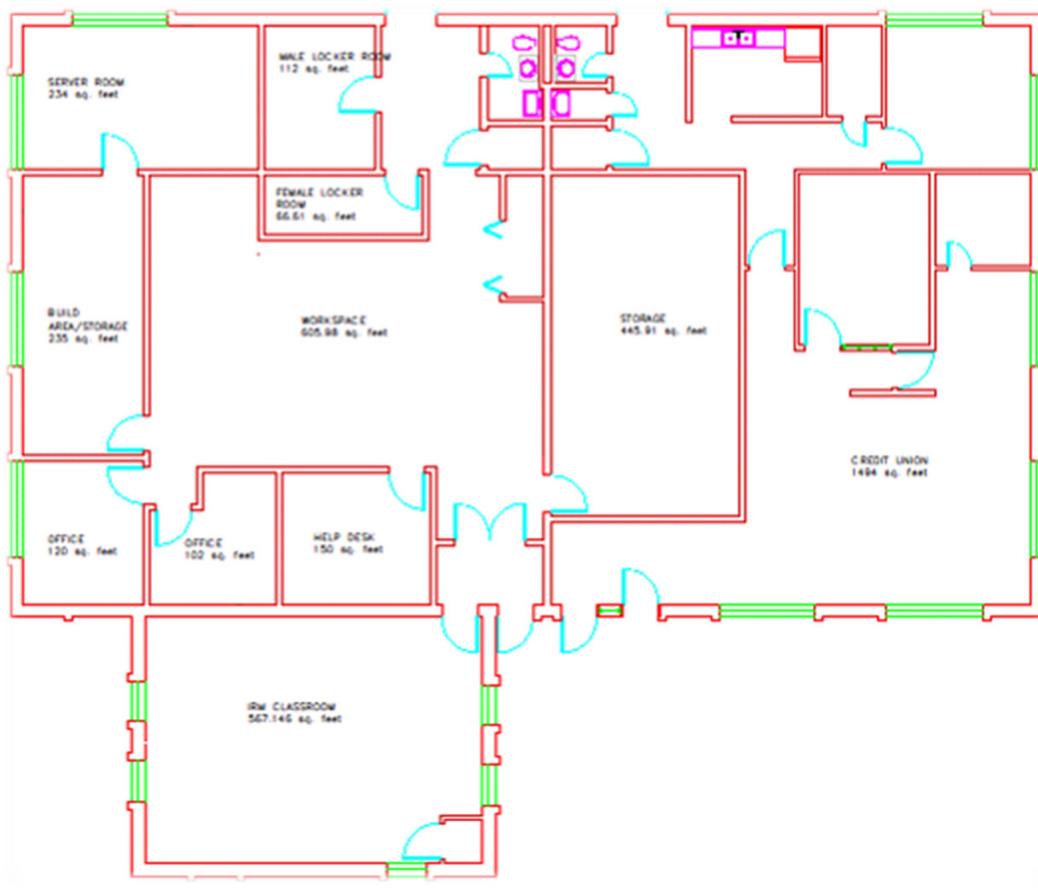
Completed Milestones:

- Redesign of floor plan to meet Coast Guard standards and customer needs:
 1. More functional IRM classroom
 2. Larger, centralized IRM storage space
 3. IRM Help Desk and Build Area
 4. Increased work-life/gender balance in Comptroller with new locker rooms and heads
 5. Comptroller SKC private office
- Completed space analysis, cost estimation and decision models
- Implemented raised flooring, carpet tiling, LED lighting, reflective ceiling tiles and non-VOC paints to reduce energy and maintenance costs

Design Proposals:



Comptroller Division Office (S04)



Information Resource Management Office (S33)