



COMMSTA Boston Multi-Purpose Building



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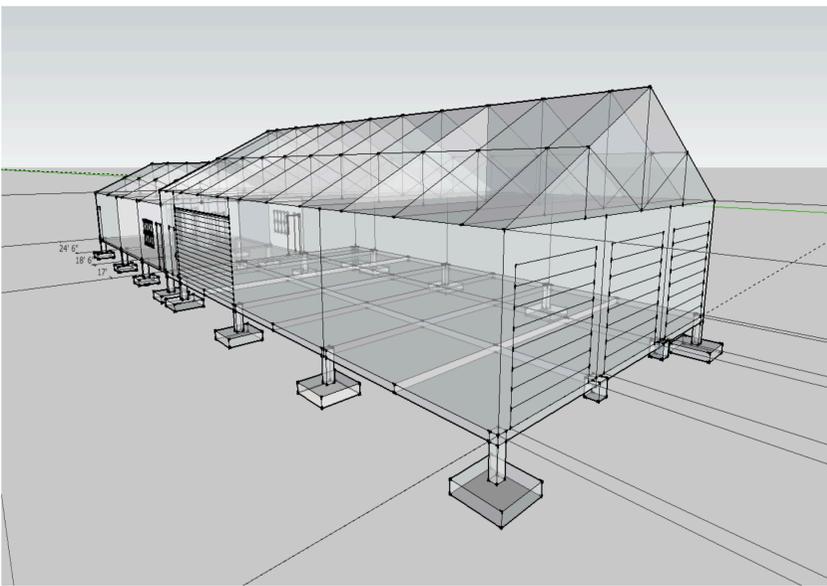


Introduction

A new multi-purpose building is needed for the Coast Guard Communications Station (COMMSTA) in Buzzards Bay, MA. This building must replace the existing structure which was built in the 1950's. The new structure will have multiple uses including equipment storage, office space, a gym, and other facilities.



Aerial View of COMMSTA

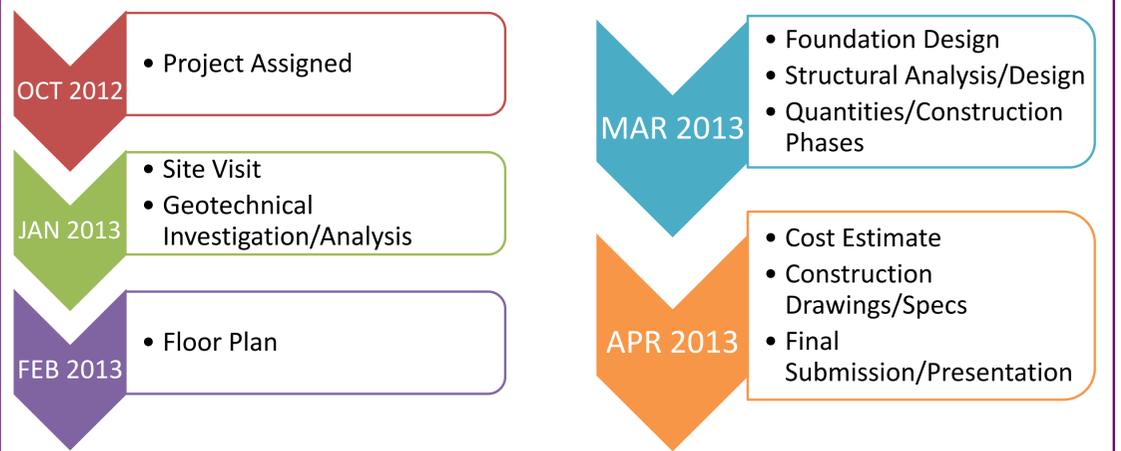


3-D Framing of Steel Building

Scope

Design a single-story, sloped-roof building at Communications Station (COMMSTA) Boston. The building will be used to store heavy equipment, offices for engineers, heads with showers, and a gym. Driveways connecting to existing roads will provide tractors access into the storage portion of the building. Utilities included are electrical, HVAC, plumbing, and sewage. A life-cycle cost analysis and cost estimate of the project have also been prepared and submitted. The project will be constructed in three phases.

Timeline



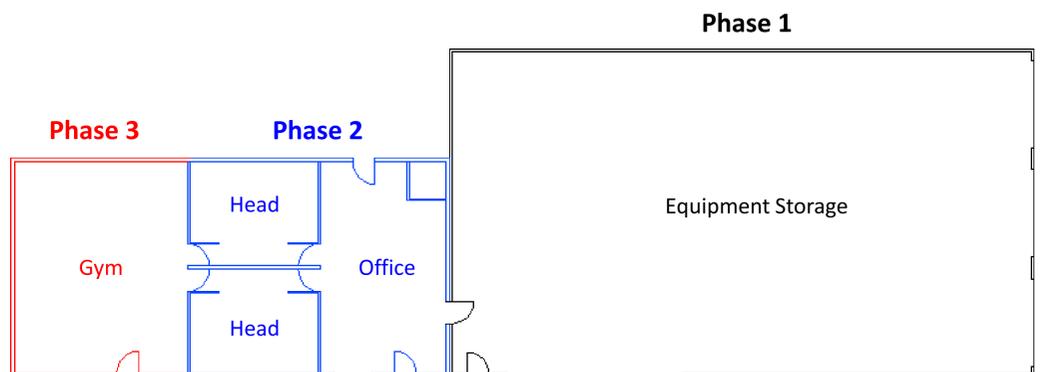
Phasing

Phase 1: Storage facility

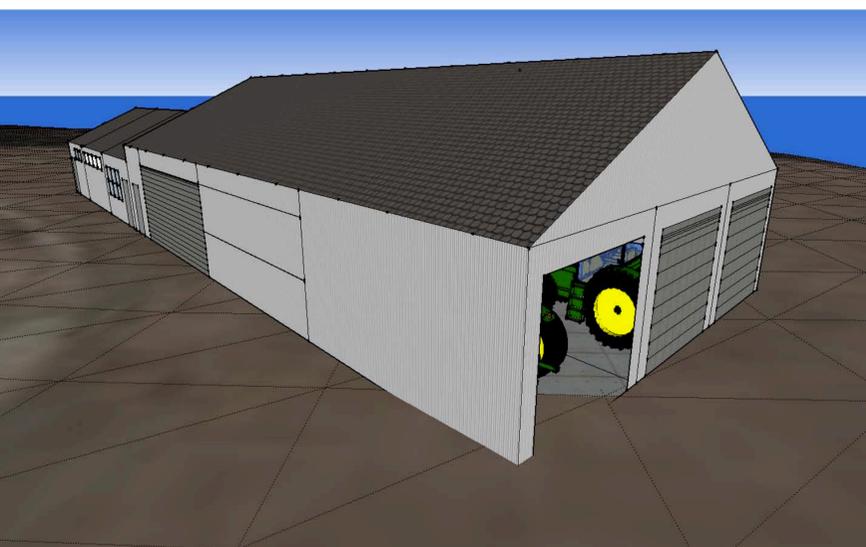
- Excavate and build foundation for columns
- Place concrete floor (slab-on-grade)
- Erect steel structure, insulation, and siding
- Install electrical work
- Finalize interior finishes

Phases 2 + 3: Office Space, Heads, and Gym Space

- Excavate and build foundation for columns
- Place concrete floor (slab-on-grade)
- Erect steel structure, insulation, siding, plumbing, and electrical work
- Interior finishes for office spaces, heads, and gym



Proposed Floor Plan of Building



3-D Rendering of New Building

Cost Estimate

Phase 1: \$160,000

Phases 2&3: \$108,000

Total (All Phases): \$268,000

