

Roland Hall Expansion and Renovation Project



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Sponsor: CDR Gregory Gesele, CGA Facilities Engineering



2010

Problem Statement: The current Indoor Athletic Facilities have been identified as inadequate for the current and future needs of the Academy. Major concerns include the pool, the track, the locker rooms, and a general lack of usable space for all necessary programs which these facilities support.

Goals:

- Create a lasting solution to current CGA Athletic facility issues whether it be a renovation or new building construction
- Create a planning proposal to present to the CGA Facilities Engineering
- Explore the most economical and environmentally friendly options
- Develop a project planning report
- Use 3D Modeling software to effectively analyze a Roland Hall Expansion and Renovation



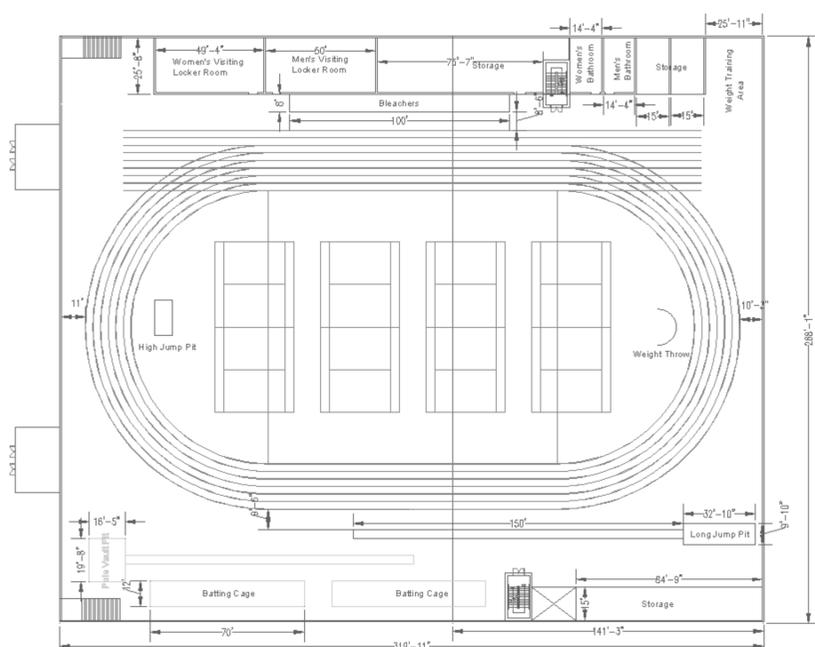
1970s



Late 1980s



2010



Alternative	Description
Alternative 1	Status Quo
Alternative 2	Expansion of the Building to the North
Alternative 3	Four Story Expansion to the East
Alternative 4a	Five Story, Single Phase Construction to the East
Alternative 4b	Five Story, Three Phase Construction to the East

Timeline:

- December – All interviews completed
- February 18 – Visit to MIT Facilities
- February – Develop preliminary alternatives
- March – Complete preliminary design of options
- April 16 – Cost Estimation
- April 29 – Final Report/Formal Presentation
- April 30 – Complete project planning report