

Executive Summary

Virginia Tech's new Basketball Practice Facility is a building with multiple space types. This report looks at four spaces within the building and deals with the redesign of the spaces. The redesign primarily includes the electrical and lighting design for each space, but the gymnasium analysis also includes changes to the structural and mechanical systems.

The four spaces are the building façade, the lobby, the two-court basketball gym, and the men's basketball team's lounge and locker room area. The design criteria described for these spaces includes both quantitative and qualitative considerations, with emphasis on how the lighting relates to the use of the space and the prominent architectural features. The redesign is comprehensive and includes computer validation of the design.