

Donna Kent
Structural Option
Building: Vickroy Hall
Location: Duquesne University
Pittsburgh, PA 15282
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Title of Report: Executive Summary for Technical Report I
Faculty Consultant: Dr. Boothby



Executive Summary

This report is designed to explain the existing conditions of the structural system of Vickroy Hall at Duquesne University. The report goes into detail to describe each of the structural systems in the building. This includes the super structure, lateral resisting system, foundations, and roof.

The main code used to design and build the structure was BOCA 1993. Other important standards such as ASTM, ACI, AISC, etc. were also used for design considerations. Using these codes, or similar (BOCA 1999), as was my case because BOCA 1993 was not available, computations of wind loadings, seismic loadings, and gravity were determined. There are figures within the report and appendix that show the calculations and summarize the findings. If more calculations are necessary, they are available for review.

Periodic pictures are placed throughout the report to better explain and visually illustrate certain aspects in the design, systems, or details. These may be replicas of the original drawings, sketches, or photos taken from the site.