

**AN ABSTRACT OF A THESIS**

**A COMPARISON OF WORKING STRESS DESIGN AND ULTIMATE STRENGTH  
DESIGN OF REINFORCED MASONRY**

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The adoption of an ultimate strength approach in specifications of various building codes involving reinforced masonry has been observed in the last few years. This thesis illustrated the design criteria for working stress and ultimate strength designs, and useful formulations were produced. Numerical examples demonstrated the analysis of various reinforced masonry members, and a comparison of the two design methods was also presented. In addition, axial load-bending moment interaction diagrams for reinforced masonry columns were established.