

Seismic Response of Short Period Structures and the Development of a Self-Centering Truss  
Moment Frame with Energy-Dissipating Elements for Improved Performance

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Thesis submitted to the faculty of the Virginia Polytechnic Institute and State University in  
partial fulfillment of the requirements for the degree of

Master of Science

In

Civil and Environmental Engineering

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Blacksburg, Virginia

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**Draft 09/01/2009**

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-Matt

-----  
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