

ACKNOWLEDGEMENTS

I would like to thank the following:

The love of my life Brad for always being there for me and believing in me. Thank you so much especially this past year for visiting me even when you knew you would only get to watch me work while you were here. I can't wait to marry you!

My family and friends for their endless support and encouraging words over the past five years. Mom and Megan, thank you for putting up with my endless phone calls and always knowing what to say to me when school was overwhelming. Also, a special thanks to Jayme for her help and career advice throughout the past few years.

My fellow classmates, especially Malory and Patrick. I wish you the best of luck in everything you do! Mal and Pat you have made class and our AE all-nighters a lot more fun to get through. Have fun working together!

The AE faculty and staff. A special thanks to my advisors Dr. James Freihaut and Dr. Jelena Srebric for all of their help with this project.

My professional contacts Dave Lyon and Jim Synan for answering my questions and giving me a tour of the building; Michelle Payanzo for providing me with a building rendering and additional material; and to Bob Kalan for answering my questions.

Erin M. Faulds 42 Senior Thesis