



Acknowledgements

Thanks

The following people deserve many thanks for their assistance and support over the past year to see this project to completion:

University of Cincinnati Representative

Ronald Kull

Industry Sponsors

Ricardo Pittella
Michael Tavolaro

Arup
Arup

Industry Contacts

Barrett Bamberger
Kim Starr
Shayne Manning
David Zelman
Michael Moose
Brian Stacy
Mark Taylor

University of Cincinnati
Bernard Tschumi Architects
THP, Ltd.
Glaserworks
Glaserworks
Arup
Nitterhouse Concrete Products

Thesis Advisor

Dr. Linda Hanagan

Honors Advisor

Dr. Lou Geschwindner

Thesis Supervisors

Kevin Parfitt
Jonathan Dougherty

Penn State Architectural Engineering Faculty and Staff

On a more personal note, there were numerous occasions when the love and laughter shared with my family and friends helped relieve the stress of impending deadlines. Without them I would not have made it this year, or any other year at Penn State. It has been a wonderful time, and I am truly blessed by you all.

Picture credits

Figures 1, 2, 4	Glaserworks
Figure 3	Bernard Tschumi Architects
Figures 7, 9	Arup
Figure 11	Office for Metropolitan Architecture