

Letter of Transmittal

DATE: November 17, 2014

TO: Dr. Linda Hanagan, Thesis Advisor

FROM: Christopher Brandmeier, Student

ENCLOSED: AE 481W Structural Technical Report 4

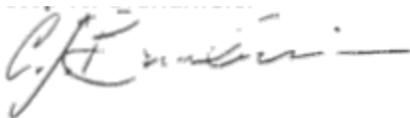
Dear Dr. Linda Hanagan:

The enclosed document is an analysis of the lateral system for SSM St. Clare Health Center in St. Louis Missouri. The analysis was performed with the aid of computer software, and validated with hand calculations.

Several strength spot checks were conducted for critical members subjected to “worst case” loading conditions. The original design of the building was determined to be sufficient from the preliminary checks for both member capacity and drift requirements.

Thank you for your guidance in producing this document.

Sincerely,

A handwritten signature in black ink, appearing to read 'C. Brandmeier', written over a horizontal dashed line.

Christopher Brandmeier

The Pennsylvania State University
Schreyer Honors College, Class of 2015