

Wind Engineering for the Louisville Museum Plaza

Daryl Boggs¹, CPP Inc., Fort Collins, CO 80524, Andy Fry², Magnusson Klemencic Assoc., Noriaki Hosoya³, CPP Inc., Fort Collins, CO 80524

Abstract

Museum Plaza, a mixed-use project planned for Louisville, Kentucky, is one of the most interesting and complex high-rise buildings to be planned on American soil. Special wind tunnel techniques and parametric structural analyses were used to define load cases for the three towers, ranging from 500 to 700 ft tall, and joined by a structural steel “island” at 200 ft above the landscaped plaza. This paper describes the collaborative efforts between the structural and wind tunnel engineers to address this complexity.

¹Vice President/Principal and Corresponding Author (dboggs@cpp.com)

²Senior Associate (afry@mksa.com)

³Associate (nhosoya@cpp.com)