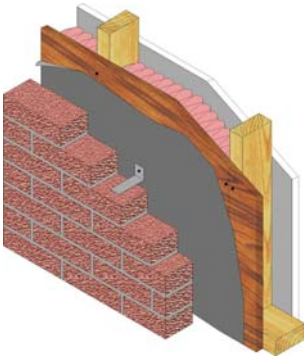
Raths, Raths & Johnson, Inc.

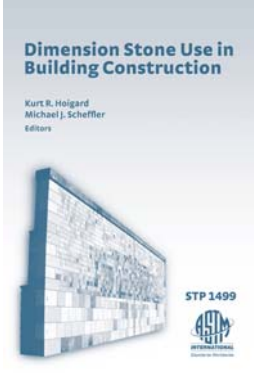
Structural Engineers · Architects · Building Scientists

Industry Update



The Masonry Society publishes ***TMS Responds*** to address questions in masonry design, construction, evaluation and repair. RRJ authored a *TMS Responds* article entitled, **The Gap Between the Wythes and Masonry Wall Type Distinctions** (Click to View)**.** This article explains common misconceptions associated with the gap between masonry wythes, the impact of the wythe on wall performance, and code requirements for the various approaches in masonry construction. **Contact RRJ** today to find out more.

RRJ Feature



Many modern building facades incorporate thin dimension stone cladding panels of granite, marble, limestone, or travertine. These thin

Mansueto Library at University of Chicago

The Joe and Rika Mansueto Library at the University of Chicago campus was designed by Murphy/Jahn and includes an above-grade elliptical glass dome. The dome sits above an underground library with a storage capacity of 3.5 million volumes. RRJ was retained by the University to provide independent quality assurance activities during the installation of below-grade waterproofing components at the base of the dome. Following our initial engagement, RRJ also documented the installation of the glazing and gasket components of the dome, as well as provided recommendations for quality assurance testing. RRJ's professional services included:

- Design review
- Quality assurance testing and observation
- Investigation and analysis
- Consultation to Owner

RRJ worked closely with the Owner and the Project Team to execute the challenging project in a timely manner so that the completion date would not be impacted. **Read more>>>**

RRJ Professional Activities

RRJ founder Charles Raths was recently recognized by the **American Concrete Institute (ACI)** for **50 years** as an active member. Mr. Raths published many articles and writings during his professional career, including **Proposed Revisions to: Building Code Requirements for Reinforced Concrete and Commentary on Building Code Requirements for Reinforced Concrete** and **Designing for Axial Concrete Volume Changes**. Other RRJ staff members are actively involved with ACI Committee 224 (Cracking), as well as ACI 562 (Evaluation, Repair and Rehabilitation of Concrete Buildings), which is currently developing and will eventually maintain code requirements for the evaluation, repair, and/or rehabilitation of existing concrete buildings. Visit our website at www.rrj.com to learn about RRJ's many other professional activities.

panels, though not part of the main building structure, must be designed to resist seismic, self-weight, and wind loads. **Many of the building facade failures investigated by RRJ have been caused by design errors related to the magnitude and distribution of cladding panel anchorage loads**. Dimension stone cladding problems and solutions are just a few of the topics covered by **ASTM STP 1489 Dimension Stone Use in Building Construction** co-edited by RRJ Principal Kurt Hoigard. Mr. Hoigard also co-chaired the ASTM symposium by the same name and co-authored two of the technical papers in the publication. The attached article is excerpted from one of these papers entitled, **Stiffness Considerations in Dimension Stone Design**. **Read more>>>**

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