MASONRY
Institute of Michigan

Load Bearing Masonry Advantages

AIA/CES: 1 hour LU, HSW

The Load Bearing Masonry Advantages presentation will compare two masonry exterior wall systems.

The first system consists of a brick veneer backed up with metal studs in a load bearing structural steel frame. The assembly will be insulated in three different locations 1) batt insulation between the studs, 2) batt insulation between the studs and rigid insulation in the cavity and 3) rigid insulation in the cavity.

The second system is comprised of a multi-wythe masonry wall with brick veneer backed up with loadbearing masonry. The multi-masonry wall will be insulated within the cavity.

This presentation will discuss the effects of thermal mass and review hygrothermal evaluations for both wall systems. Also, life cycle cost analysis (LCCA) and the method used will be explained along with initial construction costs and scheduling efficiencies. Input data for monetary items will be discussed along with the non-monetary criteria for scoring wall systems.

Presenter: Dan Zechmeister, P.E., FASTM, AIA Detroit Honorary Affiliate, has been the Executive Director of the Masonry Institute of Michigan since 1990. He is active in ASTM and the Masonry Standards Joint Committee. Dan also has been a lecturer of Structural Theory and Construction Materials at Lawrence Technological University in the College of Architecture and Design, and Structural Masonry Design at both Lawrence Technological University and Central Michigan University. Dan is a graduate of Wayne State University with a degree in civil engineering, and registered in the state of Michigan as a professional engineer.

To schedule this presentation, please contact Michelle at the Masonry Institute of Michigan via email michelle@mim-online.org or via phone (248) 663-0415.