

# RAM Advanse



**The Structural Engineer's Toolkit System is now even better**

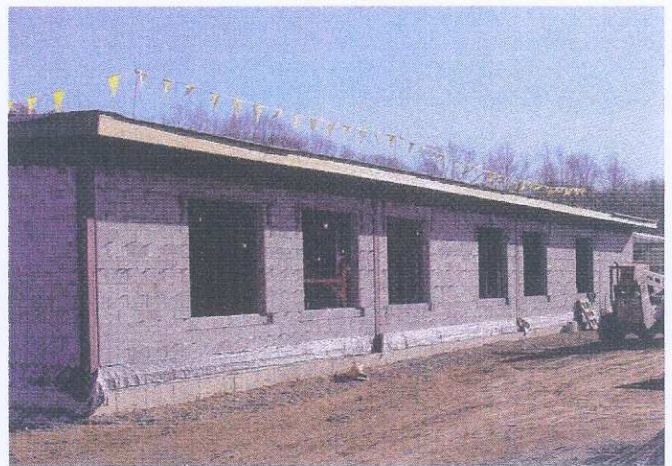
## ***ANNOUNCING HYBRID MASONRY DESIGN***

In 2008, Bentley's RAM Advanse software developers worked hand-in-hand with IMI, NCMA, and David Biggs of Ryan-Biggs Associates, P.C. of New York to enhance the program with the ability to design hybrid masonry structures. The hybrid masonry concept has existed for many years, but Mr. Biggs has pioneered the design procedure for utilizing structural masonry infill within a structural steel frame, allowing for faster and more economical designs including irregular configurations, wall openings and more all done with a whole building approach, not just structural components.

**DETAIL FOR THIS...**



**OR THIS?**



### **IF YOU'VE EVER FOUND YOURSELF:**

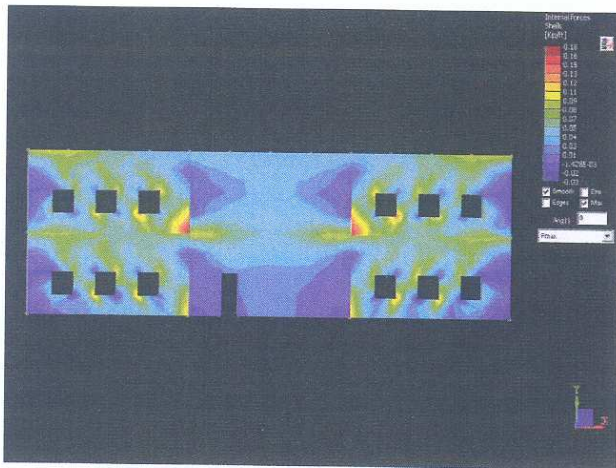
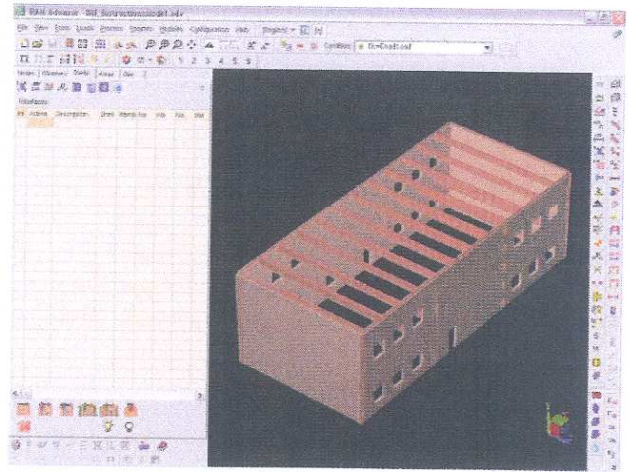
- designing steel buildings that contain CMU walls as partitions only**
- trying to develop construction details for interaction between CMU walls and structural steel framing**
- handling requests for information (RFIs) from the field with questions about detailing masonry and steel interaction**
- handling complaints from architects about interferences between steel frames and CMU walls, fireproofing, etc.**

**...THEN HYBRID MASONRY MAY BE FOR YOU. AND RAM ADVANSE IS THE TOOL TO MAKE YOUR DESIGN WORK EASIER**



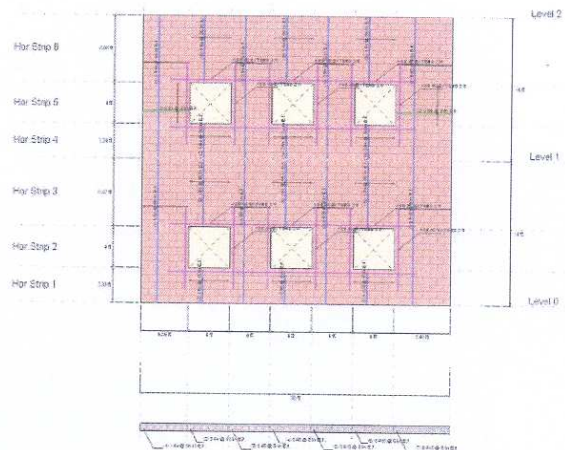
# RAM Advan<sup>se</sup> - The Structural Engineer's Toolkit System

RAM Advan<sup>se</sup> allows you to model an entire building, including wall openings, etc., and specify Type I, IIA, IIB, IIIA, or IIIB hybrid walls (as well as traditional, non-hybrid masonry walls) as required for your structure's design.



RAM Advan<sup>se</sup> will automatically configure the releases for the finite element modeling of your hybrid masonry walls. Output options include design code checks, traditional color-coded FEA output, and...

...full reinforcing bar layouts that can be exported for use in your drawings or for reviewing with architects and contractors.



To learn more about the capabilities of RAM Advan<sup>se</sup> for both general structural analysis/design and as an everyday component toolkit for retaining walls, continuous beams, footings, trusses, and more, please visit [www.bentley.com/RAMAdvanse](http://www.bentley.com/RAMAdvanse)