October 17-19, 2016
ATLANTA, GEORGIA

Building Blocks in Masonry

Updates from BIM-M
TOP 10 THINGS YOU SHOULD KNOW ABOUT BIM-M

BIM-M
Building Information Modeling for Masonry

#BIMForumED www.BIMforMasonry.org
Mission Statement

To unify the masonry industry and all supporting industries through the development and implementation of BIM for masonry software to facilitate smoother workflows and collaboration across all disciplines from owner, architect, engineer, manufacturer, mason, contractor, construction manager, and maintenance professionals.
1. WHERE YOU CAN FIND US

BIM-M Website
www.BimforMasonry.org

#BIMForumED
www.BIMforMasonry.org
2. LOD SPECIFICATION

BIM-M Recommendations incorporated into BIMForum LOD Specification in 2014
WALL

VERTICALLY REINFORCED & GROUTED CELLS

HORIZONTALLY REINFORCED & GROUTED BOND BEAM

STRUCTURAL USAGE TAG FOR WALL SYSTEM

LOD 200
LOD 300
LOD 350
LOD 400
3. AWARE OF LIMITATIONS
• Very difficult to achieve our LOD recommendations with current REVIT tools
• Need ability to adjust height of separate wythes without duplicate modeling
• Need ‘Smart’ wallpaper for coursing collaboration
• Better graphics for section and plan views
• Ability to easily define bond beam locations within a wall
• Ability to insert intelligent control joints
• Better structural usage tags to flag walls for clash and to identify wythes that push downstream to analytical programs
• INTELLIGENT data that we can push downstream
• Plug-ins to get us to LOD 400
CTC has entered data for the top 20 Generic models for both Clay and Concrete.

Both NCMA and BIA are providing family data for generic sizes.
5. MASONRY CONTRACTORS DELIVERABLE GUIDE

- Free Download

Table of Contents

- History and Goals of BIM-M
- Why BIM is Important to Mason Contractors
- How to Get Started in BIM
- Developing a BIM Execution Plan
- Software in the BIM Environment
- Examples of BIM Deliverables Being Utilized by Mason Contractors
- Drawing and Model Examples
- Distributing the Information (the ‘I’ in BIM)
- Return on Investment Realized through the Use of BIM
- Educational Resources
- Summary

www.BIMforMasonry.org
6. BEST PRACTICES GUIDE

- Free Download
- Based on current Revit tools
- Examples of how other firms approach masonry
7. MASONRY CONTENT PACK FOR AUTODESK REVIT

- Free Download

2017 BIM Project Suite, Masonry Content Package

BIM for Masonry
Now Available!
Masonry Content Pack for Autodesk Revit
BIM-M announces the release of its new "Masonry Content Pack for Autodesk Revit". Our experts have created such content as bond beams, vertical reinforcement in grouted cells, movement joints, arches, wall types of numerous conditions, various generic unit profiles, wall hatches for bonding patterns, flashing details, and more. The library can be accessed for free at https://ctcexpressstools.com/bim-masonry/. An instructional video accompanies the library to help you get started!
8. VIDEOS

• Free Videos on You Tube and BIM-M Website

Instructional Videos
BIM-M announces the first is a series of instructional videos to accompany its guide "BIM for Masonry, Modeling Masonry Buildings in Autodesk Revit" for architects, engineers, contractors and other users of masonry. The seven minute video is a free download and addresses Hatch Patterns as described in the overall guide. One PDF file accompanies the video.
9. YOU TUBE

Building Information Modeling for Masonry BIM-M

Revit Hatch Patterns for Masonry
2 months ago • 411 views
The first is a series of instructional videos to accompany its guide: "BIM for Masonry, Modeling Masonry Buildings in Autodesk Revit" for architects, engineers, contractors and...
10. FUTURE VISION
when SAM met BIM.....
BIM-M Web site
www.BimforMasonry.org

BIM for Masonry
BIM is an acronym that stands for an object, a "building information model" and also a process for creating and using that object, "building information modeling". The BIM model provides a digital representation of the building, so that the modeling and analysis tools used by architects, engineers, contractors, managers and owners can use them and refer to the same information source.
BIM is expanding quickly within the construction industry worldwide. However, the masonry industry is not well represented. Therefore, there is a need to develop BIM tools for masonry to maintain market share. With that intent, an Initiative was formed in 2012 specifically to advance BIM for masonry.

The National Building Information Modeling for Masonry Initiative (BIM-M) is identifying barriers to and strategies for the full implementation of masonry materials and systems into BIM software for the design and construction industries.

Our commitment to BIM-M is an indication of the professionalism and dedication of