MASONRY SOLUTIONS FOR BIM

MODEL DRIVEN DESIGN AND CONSTRUCTION

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MasonryIQ
Cad Blox
FLEXIBILITY = COMPLEXITY
TYPES OF MODELS

Design Models

Estimating Models

Coordination Models

Design Intent, Editable, Data, Light

Fabrication, Accurate, Detailed, Heavy
#1 ALIGNMENT OF DOORS AND WINDOWS TO BOND
#3 UNDER-SLAB COORDINATION
#4 HVAC COORDINATION WITH BOND BEAMS
MASONRY IS AN INTEGRATED SYSTEM

- **Bed Depth and Patterns**
- **Modular Penetrations**
- **Rebar Arrays, Control Joints**
- **Bond Beams**
- **Pipe, Conduit, Fixtures**
- **Beam Pockets, Anchors**
- **Field Cuts and Array Shifts**
<table>
<thead>
<tr>
<th>LOD</th>
<th>Element modeling to include:</th>
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<tbody>
<tr>
<td>300</td>
<td>• floor element with design-specified locations and geometries</td>
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</tbody>
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43 B1010.10-LOD-300 Floor Structural Frame (Masonry Framing)
Element modeling to include:

- Reinforcing
- Connections
- Grouting Material
- Jams
- Bond Beams
- Lintels
- Member fabrication part number
- Any part required for complete installation
#9 MODEL OWNERSHIP
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