

Generic AEC/FM BIM View Specification

Design to Code Checking -

2006 International Energy Conservation Code (IECC)

Reference	001	Version	0.85	Status	Draft
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Authors	Richard See (Digital Alchemy)				
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Description

This Model View is intended to enable BIM based automated building code compliance checking.

The scope for this version includes code provisions from the following building codes, all of which were developed by ICC and its member building authorities, and published by ICC:

- International Energy Conservation Code (IECC) -- 2006 edition

The project scenario for which this MVD is intended can be summarized as follows:

- 1) Designer creates a BIM for proposed design in a BIM Authoring application
- 2) Designer Saves the BIM as an IFC BIM using the SMARTcodes Code Checking View 2009
- 3) Designer Opens the IFC BIM using a BIM Model Checking application that supports this model view
- 4) The Model Checking Software (MCS) checks objects in the model for compliance with all relevant building code provisions for each object -- and generates a report and/or annotations in the model about issues of non-conformance with building code requirements
- 5) to enable the designer to change the design such that it meets all building code requirements
- 6) Designer makes changes to the design in order satisfy the failed code requirements
- 7) The Designer repeats steps 2 through 6 until the design is fully conformant with the building code requirements

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