

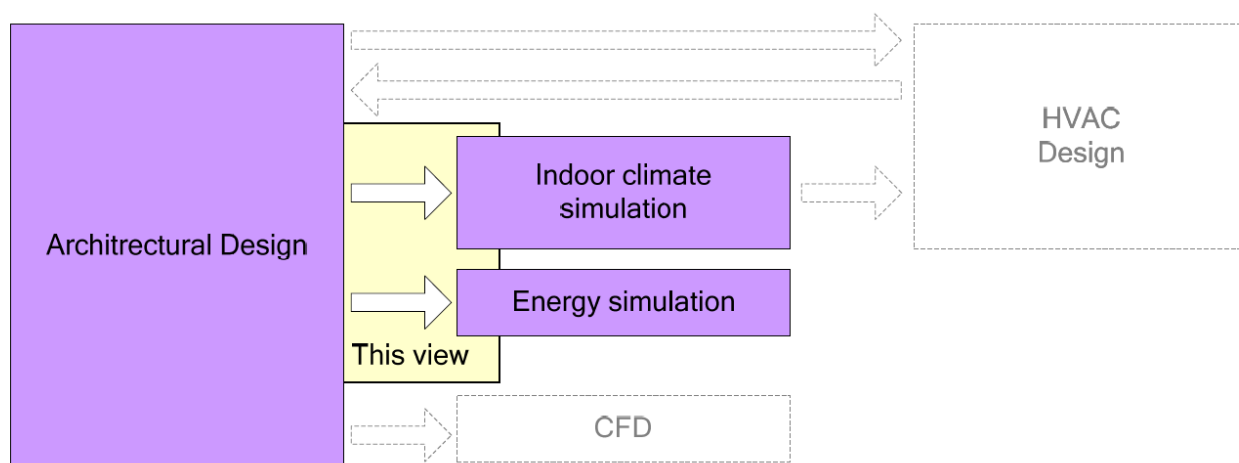
Generic AEC/FM BIM View Specification

Concept Design to Building Energy Analysis (BEA)

Reference	GSA-003	Version	1.0 -- 30-May-2011	Status	Candidate
History	<ul style="list-style-type: none">• Updated for submission to US NBIMS – 30-May-2011• Adapted for use in GSA-003, for GSA, Statsbygg, Senate Properties – in late 2009• Adapted for use in buildingSMART alliance/Open Geospatial Consortium AECO-1 Testbed - BPEA Thread - as MVD BSA-002 - in Nov-2008• Based on overview proposed for the VBL-007 Project - Architectural Design to Thermal Simulation• Based on BLIS View 'Arch. Design >> Thermal Load Calculations/HVAC System Design' (2000)				
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Document Owner	buildingSMART alliance, IAI GSC, Virtual Building Laboratory, BLIS Consortium				

Description

Architectural building information model can be used as basis for energy simulation. Only the relevant subset of the architectural model is exchanged.



The central information in this view is

- the space geometry and identifiers
- space boundary geometry for walls, slabs, windows, doors, openings and also virtual space boundaries
- construction types for walls and slabs
- window and door types
- the materials and material layers of the walls and slabs
- building elements that will be used by middleware to generate second level space boundaries

The same view is used in all stages of the projects. This view covers only information created by the architect.

This view only defines the information that is exchanged. How this information is used often has to be agreed upon on a national or even project level.

This document uses the official IAI View Definition Format version 1.0.11.