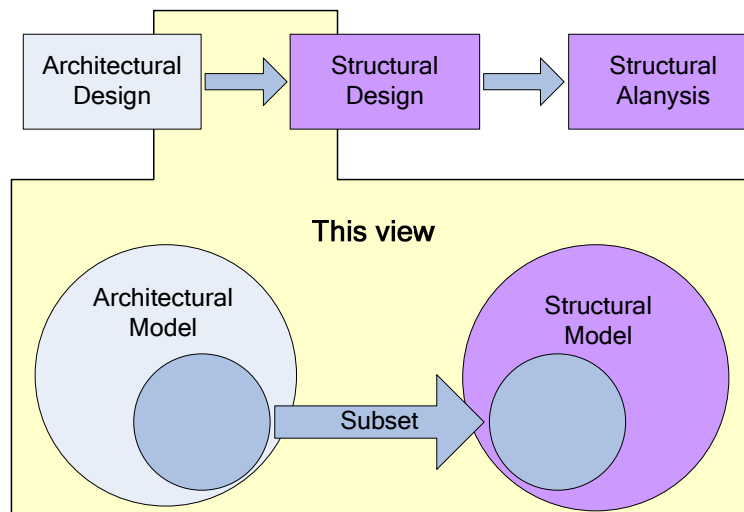


## Generic AEC/FM View Description

# Architectural design to structural design

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Authors	Sakari Lehtinen				
Document Owner	Virtual Building Laboratory @ TUT (sakari.lehtinen@tut.fi)				
Description					

Only part of information which is created by architects is of interest to structural design. This view defines the useful minimum subset of the architect's model, which should be exchanged between the architectural design applications and structural design applications. The exchange between structural design and structural analysis is not covered by this view.



The central information in this view is geometry. The geometry produced by the architect can be used as a reference model by structural design or it can be translated into native objects in the structural design application. In the most advanced scenario the architect's objects are used for generating structural objects in an automated or semi-automated way. In addition it is possible to identify objects based on their type, name and construction type, as well as to organize the objects based on building storeys.

The same view is used in all stages of the projects.

The view does not make a difference between steel, concrete and timber constructions. It can be applied both for in-situ and pre-fabricated design solutions.

This view covers only information created by the architect. For example information about heavy equipment may sometimes be found in the architect's model and it could potentially be used for defining loads. However, this information typically comes from mechanical design and is omitted from this view.

The 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 view enables for example the use of construction types, but the types that are used in each case have to be agreed upon separately. The same applies to all other name and classification information.

This document uses the official IFC Model View Definition Format version 1.1.0. of the IAI ([www.iai-international.org](http://www.iai-international.org))  
The content of this document has to be certified by the IAI before becoming part of an official IFC Model View Definition.