

BIMcollab®

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Example Project Reference Guide



BIMcollab Example Project

The BIMcollab Example Project is based on several IFC and BIM source files. It is a mix of issues generated in Solibri Model Checker, issues added with the BCF Managers in ARCHICAD and Revit and issues that were made in the BIMcollab web application.

To understand and use the correct models with corresponding issues, use the following as a reference.

The screenshot displays the BIMcollab web application interface. At the top, there is a navigation bar with the 'join' logo and menu items: Dashboard, Issues, Reports, Import, and Settings. Below the navigation bar, the project name 'BIMcollab Example project' is shown, along with buttons for 'New issue', 'Report', and a filter icon. The main content area is titled 'All 22 issues in this project' and features a grid of 22 issue cards. Each card includes a 3D model thumbnail, a title, the author's name, the issue status (e.g., Resolved, Active), and the severity (Normal). The issues are numbered 1 through 22. The interface also includes a search bar and a settings icon in the top right corner.

Issue ID	Title	Author	Status	Severity
1	Intersections check: beam insi...	Fred Leopard	Resolved	Normal
2	Intersections check: column insi...	Fred Leopard	Active	Normal
3	Intersections check: wall inside...	Fred Leopard	Resolved	Normal
4	Intersections check: ceiling insi...	Fred Leopard	Closed	Normal
5	Duplicate components check s...	Blake Green	Active	Normal
6	Duplicate components check s...	Blake Green	Active	Normal
7	Ducts are designed in elevator ...	Dwayne Parsons	Active	Normal
8	Hollow core slab and sewer ar...	Dwayne Parsons	Active	Normal
9	Intersections of slab	Irwin Renfro	Active	Normal
10	Intersections of column	Betty Glizzy	Active	Normal
11	Intersection ventilation and wall	Irwin Renfro	Active	Normal
12	Pipe too close to window com...	Dwayne Parsons	Active	Normal
16	Atrium is interrupted by venti...	Blake Green	Active	Normal
17	Layout of main entrance	Blake Green	Active	Normal
13	Ventilation duct too close to wall	Jane Holloway	Active	Normal
14	Sewer and hollowcore slab int...	Stewart Mendoza	Active	Normal
15	Ventilation and prefab concrete	Stewart Mendoza	Active	Normal
18	Shapes on outside of building	Blake Green	Active	Normal
19	Ventilation in auditorium	Blake Green	Active	Normal
20	Balcony	Blake Green	Active	Normal
21	Ceiling above reception	Irwin Renfro	Active	Normal
22	Sitework progress is slow	Fred Leopard	Active	Normal

Project model structure

There are 9 IFC files available to test the BIMcollab system cross platform.
2 Solibri Model Checker files (with loaded models) are included for model checking and presentation.
2 Source files are included for testing ARCHICAD and Revit.

Architect model

ARCHICAD: 01_BIMcollab_Example_ARC.pla

Structural model

Revit: 02_BIMcollab_Example_STR.rvt

MEP model:

DDS-MEP: 03_BIMcollab_Example_MEP.ifcZIP (ifc only)

For the specific installation and use of the BCF Managers we refer the FAQ on the support page.

For the design phase there are 3 IFC files available:

01_BIMcollab_Example_ARC.ifc

02_BIMcollab_Example_STR.ifc

03_BIMcollab_Example_MEP.ifcZIP

For the engineering phase there are 6 IFC files available:

04_BIMcollab_Example_Elevatorshaft.ifc

05_BIMcollab_Example_Hollow_core_slabs.ifc

06_BIMcollab_Example_Limestone walls.ifc

07_BIMcollab_Example_Structural Steel.ifc

08_BIMcollab_Example_Ventilation.ifc

09_BIMcollab_Example_Heating_Plumbing.ifc

Use of the issues

In the Example project there are 22 numbered issues, based on source files and IFC files. Specific uses are available for the following issues:

Issues 1 - 6, 8 - 17 (Design phase)

Added by the Solibri Model Checker file:

03_BIMcollab_Design_check_ARC-STR-MEP.smc

Used IFC models:

01_BIMcollab_Example_ARC.ifc

02_BIMcollab_Example_STR.ifc

03_BIMcollab_Example_MEP.ifcZIP

Issues 7 (Design phase)

Added by Revit BCF Manager:

02_BIMcollab_Example_STR.rvt

Due to limitations of Autodesk Revit at the time of writing, Revit is not capable to select components in a linked Revit or IFC model. As a consequence, only elements that are in the source file are shown when zooming to an issue. As an alternative, use section boxes to see components from a linked file.

Issues 18 - 21 (Design phase)

Added by BCF Manager in ARCHICAD:

01_BIMcollab_Example_ARC.pla

Issues 13, 14, 15 (Engineering phase)

Added by the Solibri Model Checker file:

03 BIMcollab Engineering check Prefab-MEP.smc

Used IFC models:

04_BIMcollab_Example_Elevatorshaft.ifc

05_BIMcollab_Example_Hollow_core_slabs.ifc

06_BIMcollab_Example_Limestone walls.ifc

07_BIMcollab_Example_Structural Steel.ifc

08_BIMcollab_Example_Ventilation.ifc

09_BIMcollab_Example_Heating_Plumbing.ifc

Issues 17 - 20(Design phase)

Added by ARCHICAD BCF Manager:

01_BIMcollab_Example_ARC.pla

Issues 21, 22 (Design & Construction phase)

Added by BIMcollab Web application

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