

MEP Ruleset

Discipline: MEP

Organization: ifc-checker.com

Information: bimspot MEP Ruleset.

Basic MEP rulesets ensure minimum standard of MEP models.

Ruleset:

Formal Basics

Formal requirements are checked, which must be correct in any case.

Rule	Description
IFC Structure Check	This rule checks the correct ifc structure.
Floor Check	This rule checks if the model contains a building and floors. It is also checked whether all components are contained in floors, whether there are empty floors, if several floors have the same insertion height and if there are the same names on floors.
Unique GUID Check	This rule checks if GUIDs are unique.

Ruleset:

Geometry Basics

Geometry requirements are checked, which must be correct in any case.

Rule	Description
Duplicated Elements	The ruleset checks for double elements.
General Overlap Check	The rule checks for double MEP elements.
Intersecting Elements	The rule checks for intersections between MEP elements.
General Collision Check	The rule checks for any intersections between MEP elements except the same system.

Ruleset:

Information Basics

Information requirements are checked, which must be correct in any case.

Rule	Description
System Check	This rule checks if all elements are assigned to a system.
