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Introduction

BricsCAD is a software application for computer-aided design (CAD), developed by Bricsys. With BricsCAD BIM, users get a one stop solution, from sketch to detail. The intuitive interface of BricsCAD allows users to draw freely, and add BIM information only when needed. Geometric data is classified automatically, using AI algorithms that recognize BIM objects, such as wall, beam, column, etc.

BricsCAD BIM comes with IFC import and export functionalities, which enable users to share design information using an open and neutral data format. The certified 'CV2.0-Arch IFC Export and Import' has been available since the release of BricsCAD BIM v18.

Testlist

Name test	concepts total	manually checked		
				
Beam_01 / 2x3	10	10		
Beam_02 / 2x3	12	11		1
Column 01 / 2x3	11	11		
CurtainWall-01 / 2x3	29	24	1	4
Door 01 / 2x3	22	17	2	3
Grid 01 / 2x3				11
Member 01A / 2x3	10	10		
Member_01S / 2x3	10	8		2
Pile 01 / 2x3	19	18		1
PlateFastener-01 / 2x3	67	57		10
RampSlab-01 / 2x3	18	17		1
RandomArch-X1 VW / 2x3	18	15	1	2
RandomArch-X4 Allplan2013 / 2x3	14	13		1
Reinforcement-01 / 2x3	94	82	1	11
Roof 01 / 2x3	15	14		1
Site 02 / 2x3	13	10	1	2
Slab 01A / 2x3	9	9		
Slab 01S / 2x3	11	11		
Slab 02S / 2x3	22	19		3
Space 01A / 2x3	12	9	2	1
Space_01MEP / 2x3	15	12	2	1
StairSlab-01 / 2x3	19	17		2
UnitTest-01MEP / 2x3	3	3		
UnitTest-01S / 2x3	3	3		
Wall 01 / 2x3	19	18		1
Wall 02 / 2x3	14	12	1	1



Supported



Restricted

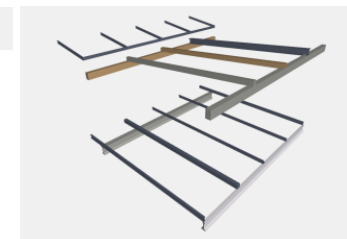


Not Supported

Name test	concepts total	manually checked		
WallStandardCase 01S / 2x3	15	14		1
WallStandardCase 02A / 2x3	11	10		1
WallStandardCase 03A / 2x3	9	9		
Window 01 / 2x3	22	20		2

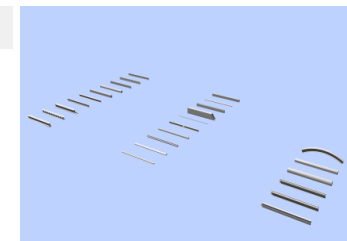
Concepts

Beam_01 / 2x3



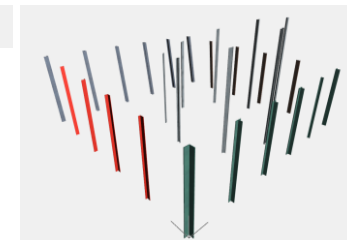
103 IfcBeam	company statement		Beam_01 / 2x3
010 Naming		■	
020 Placement			
020-2 Placement Relative		■	
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid		■	
030-6-2 Geometry Clipping		■	
040 Presentation			
040-1 Geometric Presentation		■	
040-2 Material Presentation		■	
120 Spatial Containment		■	
200 Material			
200-1 Single Material		■	
210 Property Set			
210-1 Property Set IFC Common		■	
General	company statement		Beam_01 / 2x3
_G4 Remarks		■	

Beam_02 / 2x3



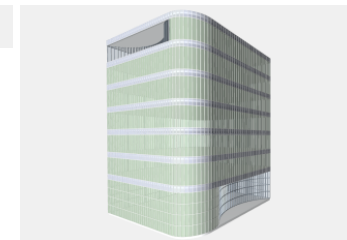
103 IfcBeam	company statement		Beam_02 / 2x3
010 Naming	■		
030 Geometry			
030-2 Geometry Axis	■	Geometry axis is not imported.	
030-6 Geometry Body			
030-6-1 Geometry SweptSolid	■		
030-6-2 Geometry Clipping	■		
030-6-5 Geometry Explicit	■		
050 CAD Layer	■		
070 Voiding			
070-1 Voiding Geometry Explicit	■		
070-2 Voiding Geometry Mapped	■		
070-3 Voiding Geometry SweptSolid	■		
120 Spatial Containment	■		
200 Material			
200-1 Single Material	■		
General	company statement		Beam_02 / 2x3
_G4 Remarks	■		

Column 01 / 2x3



104 IfcColumn	company statement		Column 01 / 2x3
010 Naming	■		
020 Placement			
020-2 Placement Relative	■		
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid	■		
030-6-2 Geometry Clipping	■		
040 Presentation			
040-1 Geometric Presentation	■		
040-2 Material Presentation	■		
050 CAD Layer	■		
120 Spatial Containment	■		
200 Material			
200-1 Single Material	■		
210 Property Set			
210-1 Property Set IFC Common	■		
General	company statement		Column 01 / 2x3
_G4 Remarks	■		

CurtainWall-01 / 2x3

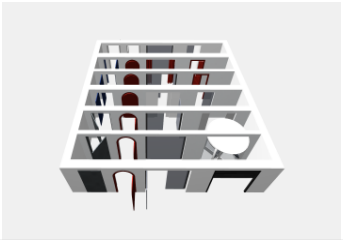


109 IfcCurtainWall	company statement		CurtainWall-01 / 2x3
001 GUIDs	■		
002 History	■	Owner history is not imported.	
010 Naming	■		
020 Placement			
020-1 Placement Relative	■		
030 Geometry			
030-6 Geometry Body			
030-6-5 Geometry Explicit	■		
030-9 Geometry By Components	■		
040 Presentation			
040-1 Geometric Presentation	■		
050 CAD Layer	■		
100 Element Aggregation			
100-2 Element Decomposition	■		
120 Spatial Containment	■		
200 Material			
200-1 Single Material	■		
200-5 Material List	■	Material list is not imported.	

210 Property Set		
210-1 Property Set IFC Common	■	
210-3 Property Set User Defined	■	
300 Type		
300-1 Type Geometry	■	
300-2 Type Naming	■	Type naming is not imported.
300-3 Type Material	■	
300-5 Type Property Set	■	
501 IfcProject		<i>company statement</i> CurtainWall-01 / 2x3
010 Naming	■	Project name is not imported.
502 IfcSite		<i>company statement</i> CurtainWall-01 / 2x3
010 Naming	■	
060 Location		
060-1 Geographic Location	■	
060-2 Address	■	
503 IfcBuilding		<i>company statement</i> CurtainWall-01 / 2x3
010 Naming	■	
020 Placement		
020-2 Placement Relative	■	
504 IfcBuildingStorey		<i>company statement</i> CurtainWall-01 / 2x3
010 Naming	■	
020 Placement		
020-2 Placement Relative	■	
060 Location		
060-4 Storey Elevation	■	

210 Property Set	
210-1 Property Set IFC Common	Name of the property set is different.
General	<i>company statement</i> CurtainWall-01 / 2x3
_G4 Remarks	

Door 01 / 2x3

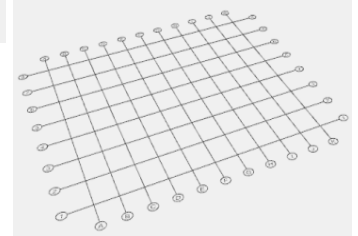


302 IfcDoor	company statement		Door 01 / 2x3
001 GUIDs	■		
002 History	■	Owner history is not imported.	
010 Naming	■		
020 Placement			
020-2 Placement Relative	■		
030 Geometry			
030-5 Geometry Profile	■	Geometry Profile is not supported for doors. (only for windows)	
030-6 Geometry Body			
030-6-5 Geometry Explicit	■		
030-6-9 Geometry Mapped	■		
040 Presentation			
040-1 Geometric Presentation	■		
050 CAD Layer	■		
080 Filling			
080-2 Is Filling	■		
120 Spatial Containment	■		
200 Material			
200-1 Single Material	■		
200-5 Material List	■	Material list is not imported.	

210 Property Set	
210-1 Property Set IFC Common	■
210-2 Property Set IFC any	■
210-3 Property Set User Defined	■
300 Type	
300-1 Type Geometry	■
300-2 Type Naming	■
300-3 Type Material	■
300-5 Type Property Set	■ Not all IfcDoorStyle properties are imported.
300-6 Type Predefined Properties	
300-6-1 Type Predefined Properties Door	■ Not all IfcDoorStyle properties are imported.
General	<i>company statement</i>
_G4 Remarks	■

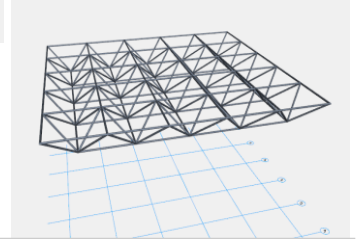
Door 01 / 2x3

Grid 01 / 2x3



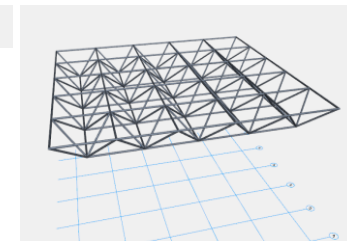
509 IfcGrid	company statement		Grid 01 / 2x3
001 GUIDs	■	In the current version, a BIM grid is not supported.	
002 History	■	In the current version, a BIM grid is not supported.	
010 Naming	■	In the current version, a BIM grid is not supported.	
020 Placement			
020-2 Placement Relative	■	In the current version, a BIM grid is not supported.	
030 Geometry			
030-3 Geometry FootPrint	■	In the current version, a BIM grid is not supported.	
040 Presentation			
040-1 Geometric Presentation	■	In the current version, a BIM grid is not supported.	
050 CAD Layer	■	In the current version, a BIM grid is not supported.	
120 Spatial Containment	■	In the current version, a BIM grid is not supported.	
210 Property Set			
210-3 Property Set User Defined	■	In the current version, a BIM grid is not supported.	
270 Grid Usage			
270-1 Grid Axes	■	In the current version, a BIM grid is not supported.	
General	company statement		Grid 01 / 2x3
_G4 Remarks	■	In the current version, a BIM grid is not supported.	

Member_01S / 2x3



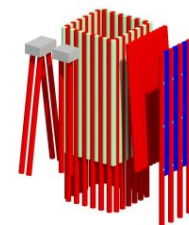
401 IfcMember	company statement		Member_01S / 2x3
010 Naming	■		
020 Placement			
020-2 Placement Relative	■		
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid	■		
030-6-2 Geometry Clipping	■		
110 Connectivity			
110-1 Connectivity Basic	■	Connectivity path is not imported. Connections are defined directly from the geometry.	
110-3 Connectivity Realization			
110-3-1 Connectivity Realized	■	Connectivity path is not imported. Connections are defined directly from the geometry.	
120 Spatial Containment	■		
200 Material			
200-1 Single Material	■		
300 Type			
300-1 Type Geometry	■		
General	company statement		Member_01S / 2x3
_G4 Remarks	■		

Member 01A / 2x3



401 IfcMember	company statement		Member 01A / 2x3
010 Naming	■		
020 Placement			
020-2 Placement Relative	■		
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid	■		
030-6-2 Geometry Clipping	■		
040 Presentation			
040-1 Geometric Presentation	■		
040-2 Material Presentation	■		
120 Spatial Containment	■		
200 Material			
200-1 Single Material	■		
300 Type			
300-1 Type Geometry	■		
General	company statement		Member 01A / 2x3
_G4 Remarks	■		

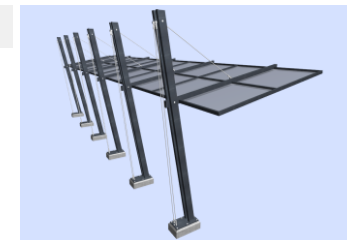
Pile 01 / 2x3



404 IfcPile	company statement		Pile 01 / 2x3
001 GUIDs	■		
002 History	■	Owner history is not imported.	
010 Naming	■		
020 Placement			
020-1 Placement Relative	■		
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid	■		
030-6-2 Geometry Clipping	■		
030-6-9 Geometry Mapped	■		
040 Presentation			
040-1 Geometric Presentation	■		
040-2 Material Presentation	■		
050 CAD Layer	■		
070 Voiding			
070-3 Voiding Geometry SweptSolid	■		
100 Element Aggregation			
100-2 Element Decomposition	■		
120 Spatial Containment	■		

200 Material	
200-1 Single Material	■
210 Property Set	
210-3 Property Set User Defined	■
300 Type	
300-1 Type Geometry	■
300-3 Type Material	■
300-5 Type Property Set	■
General	<i>company statement</i>
_G4 Remarks	■

PlateFastener-01 / 2x3



103 IfcBeam	company statement		PlateFastener-01 / 2x3
001 GUIDs	■		
002 History	■	Owner history is not imported.	
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid	■		
030-6-9 Geometry Mapped	■		
104 IfcColumn	company statement		PlateFastener-01 / 2x3
001 GUIDs	■		
002 History	■	Owner history is not imported.	
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid	■		
030-6-9 Geometry Mapped	■		
100 Element Aggregation			
100-2 Element Decomposition	■		
210 Property Set			
210-3 Property Set User Defined	■		

300 Type		
300-1 Type Geometry		
300-2 Type Naming		Type naming is not imported.
300-3 Type Material		
300-5 Type Property Set		
401 IfcMember	company statement PlateFastener-01 / 2x3	
001 GUIDs		
002 History		Owner history is not imported.
020 Placement		
020-2 Placement Relative		
030 Geometry		
030-6 Geometry Body		
030-6-1 Geometry SweptSolid		
030-6-9 Geometry Mapped		
040 Presentation		
040-1 Geometric Presentation		
050 CAD Layer		
210 Property Set		
210-1 Property Set IFC Common		
210-3 Property Set User Defined		
300 Type		
300-2 Type Naming		Type naming is not imported.
300-3 Type Material		
300-5 Type Property Set		
402 IfcPlate	company statement PlateFastener-01 / 2x3	

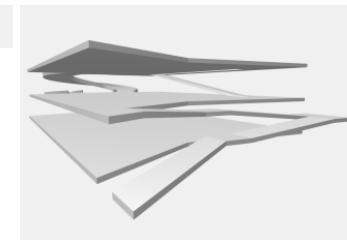
001 GUIDs		
002 History		Owner history is not imported.
010 Naming		
020 Placement		
020-2 Placement Relative		
030 Geometry		
030-6 Geometry Body		
030-6-1 Geometry SweptSolid		
030-6-2 Geometry Clipping		
030-6-5 Geometry Explicit		
040 Presentation		
040-1 Geometric Presentation		
050 CAD Layer		
070 Voiding		
070-3 Voiding Geometry SweptSolid		
120 Spatial Containment		
200 Material		
200-2 Material Layer Set		
210 Property Set		
210-1 Property Set IFC Common		
210-3 Property Set User Defined		

300 Type		
300-1 Type Geometry		
300-2 Type Naming		Type naming is not imported.
300-3 Type Material		
300-5 Type Property Set		
403 IfcFooting	company statement PlateFastener-01 / 2x3	
030 Geometry		
030-6 Geometry Body		
030-6-1 Geometry SweptSolid		
030-6-2 Geometry Clipping		
405 IfcFastener	company statement PlateFastener-01 / 2x3	
010 Naming		
020 Placement		
020-2 Placement Relative		
030 Geometry		
030-2 Geometry Axis		Geometry axis is not imported.
406 IfcMechanicalFastener	company statement PlateFastener-01 / 2x3	
001 GUIDs		
002 History		Owner history is not imported.
010 Naming		
020 Placement		
020-2 Placement Relative		

030 Geometry		
030-6 Geometry Body		
030-6-1 Geometry SweptSolid	■	
030-6-5 Geometry Explicit	■	
030-6-9 Geometry Mapped	■	
040 Presentation		
040-1 Geometric Presentation	■	
050 CAD Layer	■	
120 Spatial Containment	■	
200 Material		
200-1 Single Material	■	
210 Property Set		
210-6 Property Set IFC any	■	
210-9 Property Set User Defined	■	
300 Type		
300-1 Type Geometry	■	
300-2 Type Naming	■	Type naming is not imported.
300-3 Type Material	■	
300-5 Type Property Set	■	
General	company statement	
_G4 Remarks	■	

PlateFastener-01 / 2x3

RampSlab-01 / 2x3



105 IfcSlab	company statement		RampSlab-01 / 2x3
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid	■		
040 Presentation			
040-1 Geometric Presentation	■		
040-2 Material Presentation	■		
070 Voiding			
070-3 Voiding Geometry SweptSolid	■		
107 IfcRamp	company statement		RampSlab-01 / 2x3
001 GUIDs	■		
002 History	■	Owner history is not imported.	
010 Naming	■		
020 Placement			
020-1 Placement Relative	■		
030 Geometry			
030-6 Geometry Body			
030-6-5 Geometry Explicit	■		
030-9 Geometry By Components	■		

040 Presentation	
040-1 Geometric Presentation	■
050 CAD Layer	■
100 Element Aggregation	
100-2 Element Decomposition	■
120 Spatial Containment	■
200 Material	
200-1 Single Material	■
210 Property Set	
210-1 Property Set IFC Common	■
210-3 Property Set User Defined	■
General	<i>company statement</i>
_G4 Remarks	■

RampSlab-01 / 2x3

RandomArch-X1 VW / 2x3

103 IfcBeam	company statement		RandomArch-X1 VW / 2x3
030 Geometry			
030-6 Geometry Body			
030-6-5 Geometry Explicit		■	
040 Presentation			
040-2 Material Presentation		■	
200 Material			
200-1 Single Material		■	
210 Property Set			
210-1 Property Set IFC Common		■	
104 IfcColumn	company statement		RandomArch-X1 VW / 2x3
030 Geometry			
030-6 Geometry Body			
030-6-5 Geometry Explicit		■	
040 Presentation			
040-2 Material Presentation		■	
200 Material			
200-1 Single Material		■	
210 Property Set			
210-1 Property Set IFC Common		■	
105 IfcSlab	company statement		RandomArch-X1 VW / 2x3

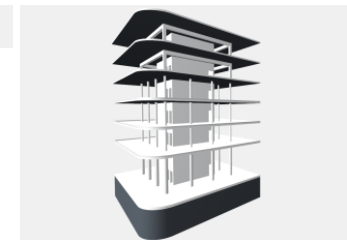
030 Geometry		
030-6 Geometry Body		
030-6-1 Geometry SweptSolid	■	
040 Presentation		
040-2 Material Presentation	■	
200 Material		
200-2 Material Layer Set	■	
200-3 Material Layer Usage	■	
110 IfcRoof	company statement RandomArch-X1 VW / 2x3	
100 Element Aggregation		
100-2 Element Decomposition	■	
210 Property Set		
210-1 Property Set IFC Common	■	
503 IfcBuilding	company statement RandomArch-X1 VW / 2x3	
210 Property Set		
210-1 Property Set IFC Common	■	
509 IfcGrid	company statement RandomArch-X1 VW / 2x3	
030 Geometry		
030-3 Geometry FootPrint	■	
270 Grid Usage		
270-1 Grid Axes	■	
General	company statement RandomArch-X1 VW / 2x3	
_G4 Remarks	■	

RandomArch-X4 Allplan2013 / 2x3

105 IfcSlab		<i>company statement</i>	<i>RandomArch-X4 Allplan2013 / 2x3</i>
010 Naming	■		
020 Placement			
020-2 Placement Relative	■		
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid	■		
050 CAD Layer	■		
070 Voiding			
070-3 Voiding Geometry SweptSolid	■		
200 Material			
200-2 Material Layer Set	■		
403 IfcFooting		<i>company statement</i>	<i>RandomArch-X4 Allplan2013 / 2x3</i>
010 Naming	■		
020 Placement			
020-1 Placement Relative	■		

030 Geometry	
030-2 Geometry Axis	Not Supported
030-6 Geometry Body	
030-6-1 Geometry SweptSolid	Supported
030-6-5 Geometry Explicit	Supported
050 CAD Layer	Supported
200 Material	
200-1 Single Material	Supported
General	company statementRandomArch-X4 Allplan2013 / 2x3
_G4 Remarks	Supported

Reinforcement-01 / 2x3



101 IfcWallStandardCase		company statement	Reinforcement-01 / 2x3
020 Placement			
020-2 Placement Relative		■	
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid		■	
120 Spatial Containment		■	
103 IfcBeam		company statement	Reinforcement-01 / 2x3
020 Placement			
020-2 Placement Relative		■	
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid		■	
120 Spatial Containment		■	
104 IfcColumn		company statement	Reinforcement-01 / 2x3
020 Placement			
020-2 Placement Relative		■	
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid		■	

120 Spatial Containment	■	
105 IfcSlab		company statement Reinforcement-01 / 2x3
020 Placement		
020-2 Placement Relative	■	
030 Geometry		
030-6 Geometry Body		
030-6-1 Geometry SweptSolid	■	
120 Spatial Containment	■	
403 IfcFooting		company statement Reinforcement-01 / 2x3
010 Naming	■	
030 Geometry		
030-6 Geometry Body		
030-6-1 Geometry SweptSolid	■	
040 Presentation		
040-1 Geometric Presentation	■	
050 CAD Layer	■	
120 Spatial Containment	■	
210 Property Set		
210-3 Property Set User Defined	■	
407 IfcDiscreteAccessory		company statement Reinforcement-01 / 2x3
001 GUIDs	■	
010 Naming	■	
020 Placement		
020-2 Placement Relative	■	

030 Geometry	
030-6 Geometry Body	
030-6-5 Geometry Explicit	■
030-6-9 Geometry Mapped	■
040 Presentation	
040-1 Geometric Presentation	■
050 CAD Layer	■
120 Spatial Containment	■
200 Material	
200-1 Single Material	■
210 Property Set	
210-9 Property Set User Defined	■
300 Type	
300-1 Type Geometry	■
300-2 Type Naming	■ Type naming is not imported.
300-3 Type Material	■
300-5 Type Property Set	■
408 IfcElementAssembly	<i>company statement</i>
001 GUIDs	■
010 Naming	■
020 Placement	
020-2 Placement Relative	■
030 Geometry	
030-6 Geometry Body	
030-9 Geometry By Components	■

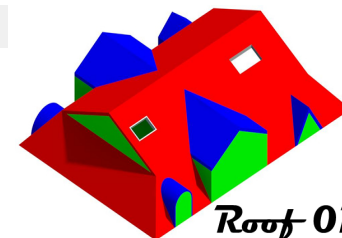
040 Presentation		
040-1 Geometric Presentation	■	
050 CAD Layer	■	
100 Element Aggregation		
100-2 Element Decomposition	■	
120 Spatial Containment	■	
210 Property Set		
210-9 Property Set User Defined	■	Property set user defined is not imported for element assembly.
409 IfcReinforcingBar		<i>company statement</i> Reinforcement-01 / 2x3
001 GUIDs	■	
010 Naming	■	
020 Placement		
020-2 Placement Relative	■	
030 Geometry		
030-6 Geometry Body		
030-6-4 Geometry AdvancedSweptSolid	■	
030-6-5 Geometry Explicit	■	
030-6-9 Geometry Mapped	■	
040 Presentation		
040-1 Geometric Presentation	■	
050 CAD Layer	■	
120 Spatial Containment	■	
200 Material		
200-1 Single Material	■	

210 Property Set		
210-9 Property Set User Defined		
300 Type		
300-1 Type Geometry		
300-2 Type Naming		Type naming is not imported.
300-3 Type Material		
300-5 Type Property Set		
410 IfcReinforcingMesh	company statement Reinforcement-01 / 2x3	
001 GUIDs		
010 Naming		
020 Placement		
020-2 Placement Relative		
030 Geometry		
030-6 Geometry Body		
030-6-4 Geometry AdvancedSweptSolid		
030-6-5 Geometry Explicit		
030-6-9 Geometry Mapped		
040 Presentation		
040-1 Geometric Presentation		
050 CAD Layer		
120 Spatial Containment		
200 Material		
200-1 Single Material		
210 Property Set		
210-9 Property Set User Defined		

300 Type	
300-1 Type Geometry	■
300-2 Type Naming	■ Type naming is not imported.
300-3 Type Material	■
300-5 Type Property Set	■
501 IfcProject	<i>company statement</i> Reinforcement-01 / 2x3
001 GUIDs	■ GUID is not supported for project.
002 History	■ Owner history is not imported.
005 Project Units	
005-1 Project Metric Units	■
008 Representation Context	
008-1 Representation Main Context	■ TrueNorth is not imported.
008-2 Representation Sub Context	
008-2-2 Representation Sub Context 3D	■
010 Naming	■ Project is not imported.
150 Spatial Aggregation	
150-2 Spatial Decomposition	■
503 IfcBuilding	<i>company statement</i> Reinforcement-01 / 2x3
001 GUIDs	■ GUID is not supported for buildings.
002 History	■ Owner history is not imported.
010 Naming	■
020 Placement	
020-1 Placement Absolute	■
060 Location	
060-2 Address	■

150 Spatial Aggregation		
150-1 Spatial Composition	■	
150-2 Spatial Decomposition	■	
504 IfcBuildingStorey	company statement	
	Reinforcement-01 / 2x3	
001 GUIDs	■	GUID is not supported for storeys.
002 History	■	Owner history is not imported.
010 Naming	■	
020 Placement		
020-2 Placement Relative	■	
060 Location		
060-4 Storey Elevation	■	
120 Spatial Containment	■	
150 Spatial Aggregation		
150-1 Spatial Composition	■	
150-2 Spatial Decomposition	■	
General	company statement	
	Reinforcement-01 / 2x3	
_G4 Remarks	■	

Roof 01 / 2x3

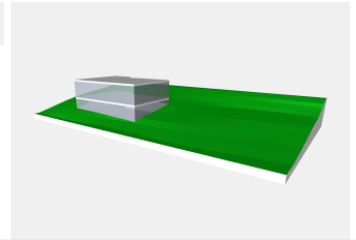


101 IfcWallStandardCase	company statement		Roof 01 / 2x3
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid	■		
030-6-2 Geometry Clipping	■		
105 IfcSlab	company statement		Roof 01 / 2x3
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid	■		
030-6-2 Geometry Clipping	■		
030-6-9 Geometry Mapped	■		
070 Voiding			
070-3 Voiding Geometry SweptSolid	■		
080 Filling			
080-1 Has Filling			
080-1-2 Has Filling Window	■		
200 Material			
200-2 Material Layer Set	■		
110 IfcRoof	company statement		Roof 01 / 2x3
030 Geometry			
030-1 Geometry Box	■	Geometry box is not imported.	

040 Presentation	
040-1 Geometric Presentation	■
040-2 Material Presentation	■
100 Element Aggregation	
100-2 Element Decomposition	■
120 Spatial Containment	■
200 Material	
200-1 Single Material	■
General	<i>company statement</i>
_G4 Remarks	■

Roof 01 / 2x3

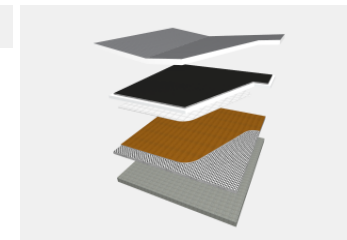
Site 02 / 2x3



502 IfcSite	company statement		Site 02 / 2x3
010 Naming	■		
020 Placement			
020-1 Placement Absolute	■		
030 Geometry			
030-3 Geometry FootPrint	■	Geometry footprint is not supported.	
030-6 Geometry Body			
030-6-5 Geometry Explicit	■		
150 Spatial Aggregation			
150-1 Spatial Composition	■		
150-2 Spatial Decomposition	■		
210 Property Set			
210-9 Property Set User Defined	■	Not supported on IfcSpatialStructure elements (site, building, building storey).	
503 IfcBuilding	company statement		Site 02 / 2x3
010 Naming	■		
020 Placement			
020-2 Placement Relative	■		
150 Spatial Aggregation			
150-1 Spatial Composition	■		
150-2 Spatial Decomposition	■		

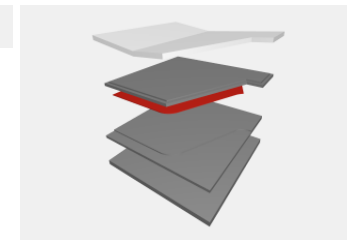
210 Property Set	
210-1 Property Set IFC Common	Property set name is not correct.
General	<i>company statement</i> Site 02 / 2x3
_G4 Remarks	

Slab 01A / 2x3



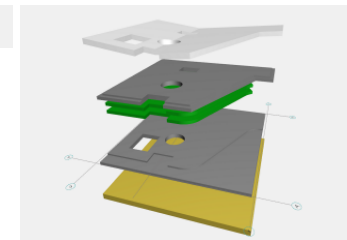
105 IfcSlab	company statement		Slab 01A / 2x3
010 Naming		■	
020 Placement			
020-2 Placement Relative		■	
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid		■	
030-6-2 Geometry Clipping		■	
050 CAD Layer		■	
200 Material			
200-2 Material Layer Set		■	
200-3 Material Layer Usage		■	
210 Property Set			
210-1 Property Set IFC Common		■	
General	company statement		Slab 01A / 2x3
_G4 Remarks		■	

Slab 01S / 2x3



105 IfcSlab	company statement		Slab 01S / 2x3
010 Naming		■	
020 Placement			
020-2 Placement Relative		■	
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid		■	
030-6-2 Geometry Clipping		■	
040 Presentation			
040-1 Geometric Presentation		■	
040-2 Material Presentation		■	
050 CAD Layer		■	
200 Material			
200-2 Material Layer Set		■	
200-3 Material Layer Usage		■	
210 Property Set			
210-1 Property Set IFC Common		■	
General	company statement		Slab 01S / 2x3
_G4 Remarks		■	

Slab 02S / 2x3

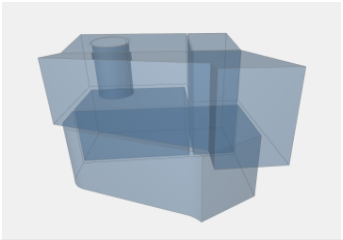


105 IfcSlab	company statement		Slab 02S / 2x3
010 Naming		■	
020 Placement			
020-2 Placement Relative		■	
030 Geometry			
030-1 Geometry Box		■	Geometry box is not imported.
030-6 Geometry Body			
030-6-1 Geometry SweptSolid		■	
030-6-2 Geometry Clipping		■	
030-6-5 Geometry Explicit		■	
030-6-9 Geometry Mapped		■	
070 Voiding			
070-1 Voiding Geometry Explicit		■	
070-2 Voiding Geometry Mapped		■	
070-3 Voiding Geometry SweptSolid		■	
120 Spatial Containment		■	
130 Grouping			
130-1 Grouping General		■	Groups are not imported.

200 Material	
200-1 Single Material	■
200-2 Material Layer Set	■
210 Property Set	
210-1 Property Set IFC Common	■
210-2 Property Set IFC any	■
210-3 Property Set User Defined	■
300 Type	
300-1 Type Geometry	■
300-2 Type Naming	■ Type naming is not imported.
300-3 Type Material	■
300-5 Type Property Set	■
General	<i>company statement</i>
_G4 Remarks	■

Slab 02S / 2x3

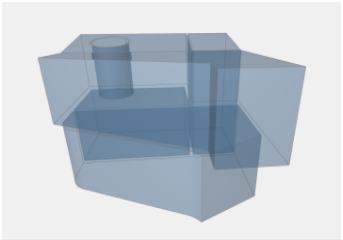
Space_01MEP / 2x3



111 IfcBuildingElementProxy	company statement		Space_01MEP / 2x3
010 Naming	■		
020 Placement			
020-2 Placement Relative	■		
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid	■		
210 Property Set			
210-2 Property Set IFC any	■		
505 IfcSpace	company statement		Space_01MEP / 2x3
001 GUIDs	■		
002 History	■	Owner History is not supported.	
010 Naming	■		
020 Placement			
020-2 Placement Relative	■		
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid	■		
030-6-2 Geometry Clipping	■		

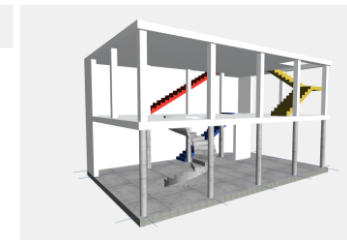
040 Presentation	
040-1 Geometric Presentation	 Transparency is given to solid room.
050 CAD Layer	 Solid is placed on dedicated BIMROOM layer, but original CAD layer is also imported.
150 Spatial Aggregation	
150-1 Spatial Composition	
210 Property Set	
210-6 Property Set IFC any	
General	<i>company statement</i> Space_01MEP / 2x3
_G4 Remarks	

Space 01A / 2x3



505 IfcSpace	company statement		Space 01A / 2x3
001 GUIDs	■		
002 History	■	Owner history is not supported.	
010 Naming	■		
020 Placement			
020-2 Placement Relative	■		
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid	■		
030-6-2 Geometry Clipping	■		
040 Presentation			
040-1 Geometric Presentation	■	Transparency is given to solid room.	
050 CAD Layer	■	Solid is placed on dedicated BIMROOM layer, but original CAD layer is also imported.	
150 Spatial Aggregation			
150-1 Spatial Composition	■		
210 Property Set			
210-1 Property Set IFC Common	■		
210-6 Property Set IFC any	■		
General	company statement		Space 01A / 2x3
_G4 Remarks	■		

StairSlab-01 / 2x3

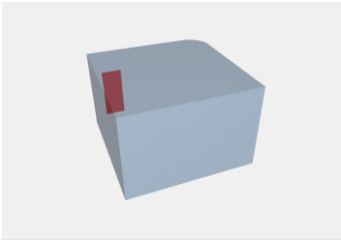


105 IfcSlab	company statement		StairSlab-01 / 2x3
001 GUIDs	■		
002 History	■	Owner history is not imported.	
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid	■		
040 Presentation			
040-1 Geometric Presentation	■		
040-2 Material Presentation	■		
070 Voiding			
070-3 Voiding Geometry SweptSolid	■		
106 IfcStair	company statement		StairSlab-01 / 2x3
001 GUIDs	■		
002 History	■	Owner history is not imported.	
010 Naming	■		
020 Placement			
020-1 Placement Relative	■		

030 Geometry	
030-6 Geometry Body	
030-6-5 Geometry Explicit	■
030-9 Geometry By Components	■
040 Presentation	
040-1 Geometric Presentation	■
050 CAD Layer	■
100 Element Aggregation	
100-2 Element Decomposition	■
120 Spatial Containment	■
200 Material	
200-1 Single Material	■
210 Property Set	
210-1 Property Set IFC Common	■
General	<i>company statement</i>
_G4 Remarks	■

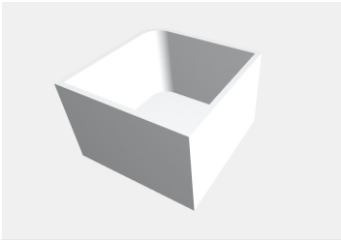
StairSlab-01 / 2x3

UnitTest-01MEP / 2x3



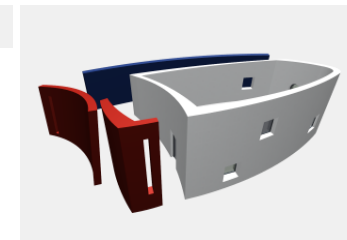
501 IfcProject		company statement	UnitTest-01MEP / 2x3
005 Project Units			
005-1 Project Metric Units	■		
005-2 Project Imperial Units	■		
General		company statement	UnitTest-01MEP / 2x3
_G4 Remarks	■		

UnitTest-01S / 2x3



501 IfcProject	company statement		UnitTest-01S / 2x3
005 Project Units			
005-1 Project Metric Units	■		
005-2 Project Imperial Units	■		
General	company statement		UnitTest-01S / 2x3
_G4 Remarks	■		

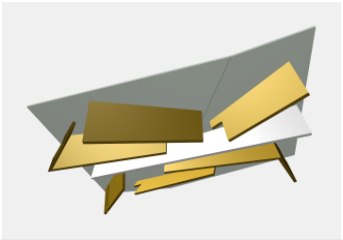
Wall 01 / 2x3



102 IfcWall	company statement		Wall 01 / 2x3
002 History	■	Owner history is not imported.	
010 Naming	■		
020 Placement			
020-2 Placement Relative	■		
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid	■		
030-6-2 Geometry Clipping	■		
030-6-5 Geometry Explicit	■		
040 Presentation			
040-1 Geometric Presentation	■		
040-2 Material Presentation	■		
070 Voiding			
070-1 Voiding Geometry Explicit	■		
070-3 Voiding Geometry SweptSolid	■		
080 Filling			
080-1 Has Filling			
080-1-1 Has Filling Door	■		
080-1-2 Has Filling Window	■		

200 Material		
200-1 Single Material	■	
210 Property Set		
210-1 Property Set IFC Common	■	
300 Type		
300-3 Type Material	■	
300-5 Type Property Set	■	
301 IfcWindow		company statement Wall 01 / 2x3
020 Placement		
020-2 Placement Relative	■	
302 IfcDoor		company statement Wall 01 / 2x3
020 Placement		
020-2 Placement Relative	■	
General		company statement Wall 01 / 2x3
_G4 Remarks	■	

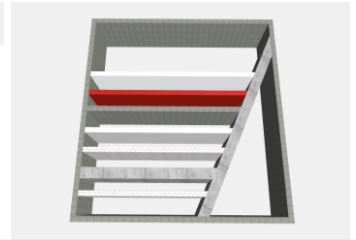
Wall 02 / 2x3



102 IfcWall	company statement		Wall 02 / 2x3
010 Naming		■	
020 Placement			
020-2 Placement Relative		■	
030 Geometry			
030-2 Geometry Axis		■	
030-6 Geometry Body			
030-6-1 Geometry SweptSolid		■	
030-6-2 Geometry Clipping		■	
030-6-5 Geometry Explicit		■	
050 CAD Layer		■	
070 Voiding			
070-1 Voiding Geometry Explicit		■	
070-3 Voiding Geometry SweptSolid		■	
120 Spatial Containment		■	
130 Grouping			
130-1 Grouping General	■	Groups are not imported.	
200 Material			
200-3 Material Layer Set		■	

300 Type	
300-2 Type Naming	Type naming is not imported.
General	<i>company statement</i>
_G4 Remarks	

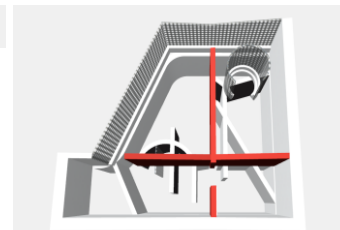
WallStandardCase 01S / 2x3



101 IfcWallStandardCase	company statement		WallStandardCase 01S / 2x3
010 Naming		■	
020 Placement			
020-2 Placement Relative		■	
030 Geometry			
030-2 Geometry Axis		■	
030-6 Geometry Body			
030-6-1 Geometry SweptSolid		■	
030-6-2 Geometry Clipping		■	
040 Presentation			
040-1 Geometric Presentation		■	
040-2 Material Presentation		■	
050 CAD Layer		■	
110 Connectivity			
110-2 Connectivity Path		■	Connectivity path is not imported. Connections are defined directly from the geometry.
120 Spatial Containment		■	
200 Material			
200-4 Material Layer Usage		■	
210 Property Set			
210-3 Property Set User Defined		■	

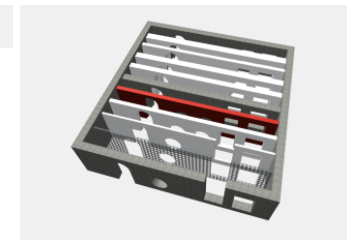
300 Type	
300-3 Type Material	■
300-5 Type Property Set	■
General	company statement WallStandardCase 01S / 2x3
_G4 Remarks	■

WallStandardCase 02A / 2x3



101 IfcWallStandardCase		company statement	WallStandardCase 02A / 2x3
010 Naming		■	
020 Placement			
020-2 Placement Relative		■	
030 Geometry			
030-2 Geometry Axis		■	
030-6 Geometry Body			
030-6-1 Geometry SweptSolid		■	
030-6-2 Geometry Clipping		■	
050 CAD Layer		■	
110 Connectivity			
110-2 Connectivity Path		■ Connectivity path is not imported. Connections are defined directly from the geometry.	
120 Spatial Containment		■	
200 Material			
200-4 Material Layer Usage		■	
210 Property Set			
210-1 Property Set IFC Common		■	
General		company statement	WallStandardCase 02A / 2x3
_G4 Remarks		■	

WallStandardCase 03A / 2x3



101 IfcWallStandardCase	company statement		WallStandardCase 03A / 2x3
010 Naming		■	
020 Placement			
020-2 Placement Relative		■	
030 Geometry			
030-2 Geometry Axis		■	
030-6 Geometry Body			
030-6-1 Geometry SweptSolid		■	
070 Voiding			
070-1 Voiding Geometry SweptSolid		■	
070-2 Voiding Geometry Explicit		■	
070-3 Voiding Geometry Mapped		■	
120 Spatial Containment		■	
General	company statement		WallStandardCase 03A / 2x3
_G4 Remarks		■	

Window 01 / 2x3



301 IfcWindow	company statement		Window 01 / 2x3
001 GUIDs	■		
002 History	■	Owner history is not imported.	
010 Naming	■		
020 Placement			
020-2 Placement Relative	■		
030 Geometry			
030-5 Geometry Profile	■		
030-6 Geometry Body			
030-6-5 Geometry Explicit	■		
030-6-9 Geometry Mapped	■		
040 Presentation			
040-1 Geometric Presentation	■		
050 CAD Layer	■		
080 Filling			
080-2 Is Filling	■		
120 Spatial Containment	■		
200 Material			
200-1 Single Material	■		
200-5 Material List	■	Material list is not imported.	

210 Property Set	
210-1 Property Set IFC Common	■
210-2 Property Set IFC any	■
210-3 Property Set User Defined	■
300 Type	
300-1 Type Geometry	■
300-2 Type Naming	■
300-3 Type Material	■
300-5 Type Property Set	■
300-6 Type Predefined Properties	
300-6-1 Type Predefined Properties Window	■
General	<i>company statement</i>
_G4 Remarks	■

Window 01 / 2x3