CoordinationView 2.0 / import

CV2.0

Autodesk-R

Autodesk Revit Architecture

24/07/2015

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Introduction

Release: Revit 2016, IFC Version 16.2.0

IFC for Revit 2016

Revit 2016 ships with IFC support. Users can download upgraded versions of the latest version of IFC from either the Autodesk Exchange Apps store or from SourceForge. In addition, the source code for IFC can also be downloaded from SourceForge. The certified version for Autodesk Revit 2016 is v16.2.0, which covers the Link IFC functionality. The version from the app store contains access to help documentation; additional help can be found at the Autodesk and SourceForge Wikis. Although there is currently no automatic update of the IFC add-on, all users that download the applications from the Autodesk Exchange Apps store will receive an update email with links to the current version.

SourceForge wiki: https://sourceforge.net/p/ifcexporter/home/Home/

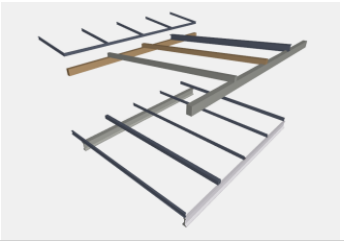
Testlist

Name test	concepts total	manually checked		
		■	■	■
Beam_01 / 2x3	10	9	1	
Beam_03 / 2x3	6	4		2
CharsetTest-01A / 2x3	2	2		
Column 01 / 2x3	11	10	1	
CoveringFurnishing-01 / 2x3	57	51	4	2
CurtainWall-01 / 2x3	29	23	1	5
Door 01 / 2x3	22	18	2	2
DuplexHouse_Electrical / 2x3	65	59	5	1
DuplexHouse_Heating / 2x3	56	56		
DuplexHouse_Sanitary / 2x3	52	47	4	1
DuplexHouse_Ventilation / 2x3	44	39	4	1
Grid 01 / 2x3	11	7	1	3
Member 01A / 2x3	10	9	1	
Member_01S / 2x3	10	7	1	2
Pile 01 / 2x3	19	17	1	1
PlateFastener-01 / 2x3	67	59	2	6
RampRailing-01 / 2x3	28	24	2	2
RampSlab-01 / 2x3	18	16	1	1
RandomArch-X1 Allplan2013 / 2x3	16	11	3	2
RandomArch-X3 RAC / 2x3	9	8		1
RandomArch-X4 VW / 2x3	66	48	10	8
RandomMEP-X2 BENCH / 2x3	21	21		
RandomMEP-X3 RME / 2x3	4	1	3	
RandomStruc-X2 Scia / 2x3	10	8	1	1
RandomStruc-X2 TS / 2x3	9	9		
Reinforcement-01 / 2x3	94	73	10	11

Name test	concepts total	manually checked		
ReplacementTest_forPile-01 Scia / 2x3	7	5	2	
Roof 01 / 2x3	15	12	1	2
Site 01 / 2x3	14	9	1	4
Slab 01A / 2x3	9	9		
Slab 01S / 2x3	11	11		
Slab 02A / 2x3	24	19	3	2
Space 01A / 2x3	12	11		1
StairSlab-01 / 2x3	19	16	1	2
UnitTest-01A / 2x3	3	3		
Wall 01 / 2x3	19	16		3
WallStandardCase 01A / 2x3	15	13	1	1
WallStandardCase 02A / 2x3	11	9	1	1
WallStandardCase 02S / 2x3	11	8	1	2
WallStandardCase 03A / 2x3	9	7	1	1
Window 01 / 2x3	22	16	2	4

Concepts

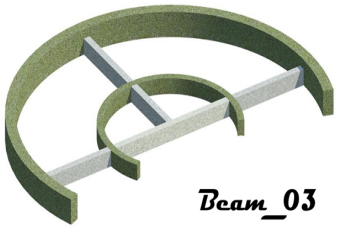
Beam_01 / 2x3



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	■	At the time of this test, Revit had the containment information for levels, but not for building or site.
200 Material		
200-1 Single Material	■	
210 Property Set		
210-1 Property Set IFC Common	■	
General	*company statement*	*Beam_01 / 2x3*

_G4 Remarks	

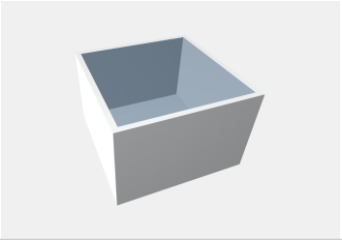
Beam_03 / 2x3



103 IfcBeam	*company statement*	*Beam_03 / 2x3*
030 Geometry		
030-1 Geometry Box	Revit does not currently import bounding box geometry if the body representation contains geometry.	
030-2 Geometry Axis	At the time of this test, Revit didn't create a beam axis on linking the IFC file.	
030-6 Geometry Body		
030-6-1 Geometry SweptSolid		
030-6-2 Geometry Clipping		
300 Type		
300-5 Type Property Set		

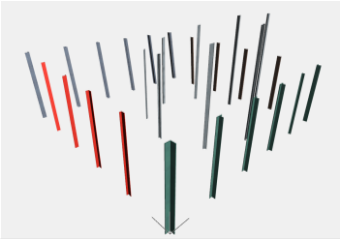
General	*company statement*	*Beam_03 / 2x3*
_G4 Remarks		

CharsetTest-01A / 2x3



General	*company statement*	*CharsetTest-01A / 2x3*
_G1 Character sets		
_G4 Remarks		

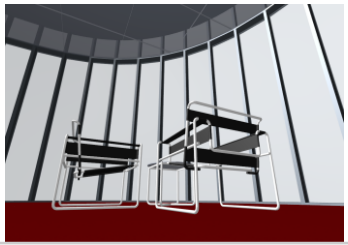
Column 01 / 2x3



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	At the time of this test, Revit had the containment information for levels, but not for building or site.	
200 Material		
200-1 Single Material		
210 Property Set		
210-1 Property Set IFC Common		

General	*company statement*	*Column 01 / 2x3*
_G4 Remarks		

CoveringFurnishing-01 / 2x3



210 IfcFlowTerminal	*company statement*	*CoveringFurnishing-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	At the time of this test, Revit had the containment information for levels, but not for building or site.	
210 Property Set		
210-1 Property Set IFC Common		
210-6 Property Set IFC any		
210-9 Property Set User Defined		

300 Type		
300-1 Type Geometry	■	
300-2 Type Naming	■	
300-3 Type Material	■	
300-5 Type Property Set	■	
303 IfcCovering	*company statement*	*CoveringFurnishing-01 / 2x3*
010 Naming	■	
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	■	
070 Voiding		
120 Spatial Containment	■	At the time of this test, Revit had the containment information for levels, but not for building or site.
200 Material		
200-1 Single Material	■	
200-3 Material Layer Set	■	
210 Property Set		
210-1 Property Set IFC Common	■	

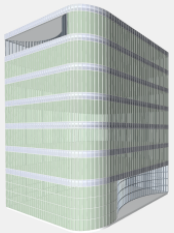
300 Type		
300-1 Type Geometry	■	
300-2 Type Naming	■	
300-3 Type Material	■	
300-5 Type Property Set	■	
304 IfcFurnishingElement	*company statement*	*CoveringFurnishing-01 / 2x3*
001 GUIDs	■	
010 Naming	■	
020 Placement		
020-2 Placement Relative	■	
030 Geometry		
030-6 Geometry Body		
030-6-5 Geometry Explicit	■	
030-6-9 Geometry Mapped	■	
040 Presentation		
040-1 Geometric Presentation	■	
050 CAD Layer	■	
120 Spatial Containment	■	At the time of this test, Revit had the containment information for levels, but not for building or site.
200 Material		
200-1 Single Material	■	
200-5 Material List	■	
210 Property Set		
210-6 Property Set IFC any	■	
210-9 Property Set User Defined	■	

■ Supported ■ Restricted ■ Not Supported

300 Type			
300-1 Type Geometry			
300-2 Type Naming			
300-3 Type Material			
300-5 Type Property Set			
505 IfcSpace		*company statement*	*CoveringFurnishing-01 / 2x3*
030 Geometry			
030-3 Geometry FootPrint			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid			
120 Spatial Containment		Revit Link IFC supports containment information for levels, but not the building and site.	
130 Grouping			
130-3 Grouping to Zones			
230 Classification		As of the time of this test, Revit Link IFC does not support importing classification information.	
508 IfcZone		*company statement*	*CoveringFurnishing-01 / 2x3*
001 GUIDs			
002 History		Revit Link IFC does not import the owner history.	
010 Naming			
130 Grouping			
130-5 Is Group			
210 Property Set			
210-1 Property Set IFC Common			
210-9 Property Set User Defined			

General	*company statement*	*CoveringFurnishing-01 / 2x3*
_G4 Remarks		

CurtainWall-01 / 2x3



109 IfcCurtainWall	*company statement*	*CurtainWall-01 / 2x3*
001 GUIDs		
002 History	Revit Link IFC does not import the owner history.	
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	At the time of this test, Revit had the containment information for levels, but not for building or site.	
200 Material		
200-1 Single Material		
200-5 Material List	Note that Revit tracks the materials of the curtain wall components, but not at the level of the entire curtain wall group.	

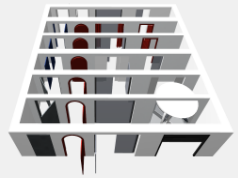
Supported Restricted Not Supported

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	■		
300-3 Type Material	■		
300-5 Type Property Set	■		
501 IfcProject		*company statement*	*CurtainWall-01 / 2x3*
010 Naming	■		
502 IfcSite		*company statement*	*CurtainWall-01 / 2x3*
010 Naming	■		
060 Location			
060-1 Geographic Location	■	Revit does not import the geographic location for this file.	
060-2 Address	■	At the time of this test, Revit didn't import the building address.	
503 IfcBuilding		*company statement*	*CurtainWall-01 / 2x3*
010 Naming	■		
020 Placement			
020-2 Placement Relative	■	Revit does not have the concept of a building element, so this concept is not supported.	
504 IfcBuildingStorey		*company statement*	*CurtainWall-01 / 2x3*
010 Naming	■		
020 Placement			
020-2 Placement Relative	■		
060 Location			
060-4 Storey Elevation	■		

■ Supported ■ Restricted ■ Not Supported

210 Property Set		
210-1 Property Set IFC Common		
General	*company statement*	*CurtainWall-01 / 2x3*
_G4 Remarks		

Door 01 / 2x3



302 IfcDoor	*company statement*	*Door 01 / 2x3*
001 GUIDs		
002 History	Revit Link IFC does not import the owner history.	
010 Naming		
020 Placement		
020-2 Placement Relative		
030 Geometry		
030-5 Geometry Profile	Revit Link IFC does not currently support the profile shape representation.	
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	Revit maintains a door's host element in the IfcContainedInHost parameter, but the opening element does not have this parameter.	
120 Spatial Containment	At the time of this test, Revit had the containment information for levels, but not for building or site.	

200 Material			
200-1 Single Material	■		
200-5 Material List	■		
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 Door	■		
General		*company statement*	*Door 01 / 2x3*
_G4 Remarks	■		

DuplexHouse_Electrical / 2x3



204 IfcEnergyConversionDevice	*company statement*	*DuplexHouse_Electrical / 2x3*
010 Naming	■	
020 Placement		
020-2 Placement Relative	■	
030 Geometry		
030-6 Geometry Body		
030-6-5 Geometry Explicit	■	
030-6-9 Geometry Mapped	■	
100 Element Aggregation		
100-4 Port Assignment	■	
110 Connectivity		
110-5 Connectivity by Ports	■	
120 Spatial Containment	■	Revit Link IFC supports containment information for levels, but not the building and site.
130 Grouping		
130-2 Grouping to Systems	■	
300 Type		
300-1 Type Geometry	■	
300-2 Type Naming	■	
205 IfcFlowController	*company statement*	*DuplexHouse_Electrical / 2x3*

010 Naming	■	
020 Placement		
020-2 Placement Relative	■	
030 Geometry		
030-6 Geometry Body		
030-6-5 Geometry Explicit	■	
030-6-9 Geometry Mapped	■	
100 Element Aggregation		
100-4 Port Assignment	■	
110 Connectivity		
110-5 Connectivity by Ports	■	
120 Spatial Containment	■	Revit Link IFC supports containment information for levels, but not the building and site.
130 Grouping		
130-2 Grouping to Systems	■	
300 Type		
300-1 Type Geometry	■	
300-2 Type Naming	■	
206 IfcFlowFitting	*company statement*	*DuplexHouse_Electrical / 2x3*
010 Naming	■	
020 Placement		
020-2 Placement Relative	■	

030 Geometry		
030-6 Geometry Body		
030-6-5 Geometry Explicit	■	
030-6-9 Geometry Mapped	■	
100 Element Aggregation		
100-4 Port Assignment	■	
110 Connectivity		
110-5 Connectivity by Ports	■	
120 Spatial Containment	■	Revit Link IFC supports containment information for levels, but not the building and site.
130 Grouping		
130-2 Grouping to Systems	■	
300 Type		
300-1 Type Geometry	■	
300-2 Type Naming	■	
208 IfcFlowSegment	*company statement*	*DuplexHouse_Electrical / 2x3*
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	■	

■ Supported ■ Restricted ■ Not Supported

100 Element Aggregation			
100-4 Port Assignment	■		
110 Connectivity			
110-5 Connectivity by Ports	■		
120 Spatial Containment	■	Revit Link IFC supports containment information for levels, but not the building and site.	
130 Grouping			
130-2 Grouping to Systems	■		
300 Type			
300-1 Type Geometry	■		
300-2 Type Naming	■		
210 IfcFlowTerminal		*company statement*	*DuplexHouse_Electrical / 2x3*
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	■		
100 Element Aggregation			
100-4 Port Assignment	■		

110 Connectivity			
110-5 Connectivity by Ports			
120 Spatial Containment		Revit Link IFC supports containment information for levels, but not the building and site.	
130 Grouping			
130-2 Grouping to Systems			
210 Property Set			
210-1 Property Set IFC Common			
210-6 Property Set IFC any			
210-9 Property Set User Defined			
300 Type			
300-1 Type Geometry			
300-2 Type Naming			
501 IfcProject		*company statement*	*DuplexHouse_Electrical / 2x3*
010 Naming			
503 IfcBuilding		*company statement*	*DuplexHouse_Electrical / 2x3*
010 Naming		Revit does not have the concept of Building, so this is not supported.	
504 IfcBuildingStorey		*company statement*	*DuplexHouse_Electrical / 2x3*
010 Naming			
020 Placement			
020-2 Placement Relative			
150 Spatial Aggregation			
150-1 Spatial Composition		Revit does not have the concept of Building, so this is not supported.	
507 IfcSystem		*company statement*	*DuplexHouse_Electrical / 2x3*
010 Naming			

130 Grouping		
130-2 Grouping to Systems		
130-5 Is Group		
General	*company statement*	*DuplexHouse_Electrical / 2x3*
_G4 Remarks		

DuplexHouse_Heating / 2x3



204 IfcEnergyConversionDevice	*company statement*	*DuplexHouse_Heating / 2x3*
010 Naming	■	
030 Geometry		
030-6 Geometry Body		
030-6-5 Geometry Explicit	■	
030-6-9 Geometry Mapped	■	
040 Presentation		
040-1 Geometric Presentation	■	
100 Element Aggregation		
100-4 Port Assignment	■	
110 Connectivity		
110-5 Connectivity by Ports	■	
130 Grouping		
130-2 Grouping to Systems	■	
300 Type		
300-1 Type Geometry	■	
300-5 Type Property Set	■	
205 IfcFlowController	*company statement*	*DuplexHouse_Heating / 2x3*
010 Naming	■	

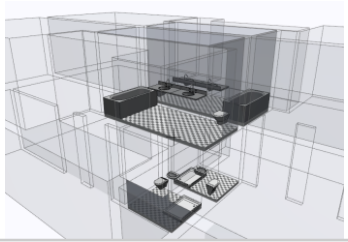
030 Geometry			
030-6 Geometry Body			
030-6-5 Geometry Explicit	■		
030-6-9 Geometry Mapped	■		
040 Presentation			
040-1 Geometric Presentation	■		
100 Element Aggregation			
100-4 Port Assignment	■		
110 Connectivity			
110-5 Connectivity by Ports	■		
130 Grouping			
130-2 Grouping to Systems	■		
300 Type			
300-1 Type Geometry	■		
300-5 Type Property Set	■		
206 IfcFlowFitting		*company statement*	*DuplexHouse_Heating / 2x3*
010 Naming	■		
030 Geometry			
030-6 Geometry Body			
030-6-5 Geometry Explicit	■		
030-6-9 Geometry Mapped	■		
040 Presentation			
040-1 Geometric Presentation	■		
100 Element Aggregation			
100-4 Port Assignment	■		

110 Connectivity			
110-5 Connectivity by Ports	■		
130 Grouping			
130-2 Grouping to Systems	■		
300 Type			
300-1 Type Geometry	■		
300-5 Type Property Set	■		
207 IfcFlowMovingDevice		*company statement*	*DuplexHouse_Heating / 2x3*
010 Naming	■		
030 Geometry			
030-6 Geometry Body			
030-6-5 Geometry Explicit	■		
030-6-9 Geometry Mapped	■		
040 Presentation			
040-1 Geometric Presentation	■		
100 Element Aggregation			
100-4 Port Assignment	■		
110 Connectivity			
110-5 Connectivity by Ports	■		
130 Grouping			
130-2 Grouping to Systems	■		
300 Type			
300-1 Type Geometry	■		
300-5 Type Property Set	■		
208 IfcFlowSegment		*company statement*	*DuplexHouse_Heating / 2x3*

010 Naming	■		
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	■		
100 Element Aggregation			
100-4 Port Assignment	■		
110 Connectivity			
110-5 Connectivity by Ports	■		
130 Grouping			
130-2 Grouping to Systems	■		
300 Type			
300-1 Type Geometry	■		
300-5 Type Property Set	■		
210 IfcFlowTerminal		*company statement*	*DuplexHouse_Heating / 2x3*
010 Naming	■		
030 Geometry			
030-6 Geometry Body			
030-6-5 Geometry Explicit	■		
030-6-9 Geometry Mapped	■		
040 Presentation			
040-1 Geometric Presentation	■		

100 Element Aggregation		
100-4 Port Assignment	■	
110 Connectivity		
110-5 Connectivity by Ports	■	
130 Grouping		
130-2 Grouping to Systems	■	
300 Type		
300-1 Type Geometry	■	
300-5 Type Property Set	■	
General	*company statement*	*DuplexHouse_Heating / 2x3*
_G4 Remarks	■	

DuplexHouse_Sanitary / 2x3



205 IfcFlowController	*company statement*	*DuplexHouse_Sanitary / 2x3*
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	■	
100 Element Aggregation		
100-4 Port Assignment	■	
110 Connectivity		
110-5 Connectivity by Ports	■	
120 Spatial Containment	■	Revit Link IFC supports containment information for levels, but not the building and site.
130 Grouping		
130-2 Grouping to Systems	■	
206 IfcFlowFitting	*company statement*	*DuplexHouse_Sanitary / 2x3*

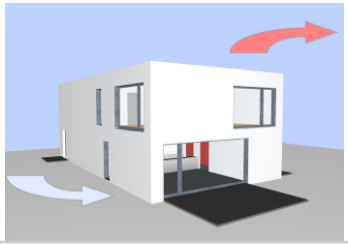
010 Naming	■	
020 Placement		
020-2 Placement Relative	■	
030 Geometry		
030-6 Geometry Body		
030-6-1 Geometry SweptSolid	■	
030-6-5 Geometry Explicit	■	
030-6-9 Geometry Mapped	■	
040 Presentation		
040-1 Geometric Presentation	■	
100 Element Aggregation		
100-4 Port Assignment	■	
110 Connectivity		
110-5 Connectivity by Ports	■	
120 Spatial Containment	■	Revit Link IFC supports containment information for levels, but not the building and site.
130 Grouping		
130-2 Grouping to Systems	■	
208 IfcFlowSegment	*company statement*	*DuplexHouse_Sanitary / 2x3*
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	■	
100 Element Aggregation		
100-4 Port Assignment	■	
110 Connectivity		
110-5 Connectivity by Ports	■	
120 Spatial Containment	■	Revit Link IFC supports containment information for levels, but not the building and site.
130 Grouping		
130-2 Grouping to Systems	■	
210 IfcFlowTerminal	*company statement*	*DuplexHouse_Sanitary / 2x3*
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	■	
100 Element Aggregation		
100-4 Port Assignment	■	
110 Connectivity		
110-5 Connectivity by Ports	■	
120 Spatial Containment	■	Revit Link IFC supports containment information for levels, but not the building and site.
130 Grouping		
130-2 Grouping to Systems	■	
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	■	
300-3 Type Material	■	
300-5 Type Property Set	■	
507 IfcSystem	*company statement*	*DuplexHouse_Sanitary / 2x3*
010 Naming	■	
130 Grouping		
130-5 Is Group	■	

250 System Assignment		
250-2 Services Spatial Element		Revit does not currently assign a system to a spatial element, rather the individual elements are assigned.
General	*company statement*	*DuplexHouse_Sanitary / 2x3*
_G4 Remarks		

DuplexHouse_Ventilation / 2x3



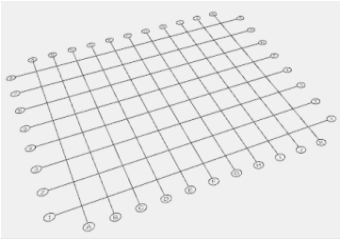
206 IfcFlowFitting	*company statement*	*DuplexHouse_Ventilation / 2x3*
010 Naming	■	
020 Placement		
020-2 Placement Relative	■	
030 Geometry		
030-6 Geometry Body		
030-6-1 Geometry SweptSolid	■	
030-6-5 Geometry Explicit	■	
030-6-9 Geometry Mapped	■	
040 Presentation		
040-1 Geometric Presentation	■	
100 Element Aggregation		
100-4 Port Assignment	■	
110 Connectivity		
110-5 Connectivity by Ports	■	
120 Spatial Containment	■	Revit Link IFC supports containment information for levels, but not the building and site.
130 Grouping		
130-2 Grouping to Systems	■	
207 IfcFlowMovingDevice	*company statement*	*DuplexHouse_Ventilation / 2x3*

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	■	
100 Element Aggregation		
100-4 Port Assignment	■	
110 Connectivity		
110-5 Connectivity by Ports	■	
120 Spatial Containment	■	Revit Link IFC supports containment information for levels, but not the building and site.
130 Grouping		
130-2 Grouping to Systems	■	
208 IfcFlowSegment	*company statement*	*DuplexHouse_Ventilation / 2x3*
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		
100 Element Aggregation		
100-4 Port Assignment		
110 Connectivity		
110-5 Connectivity by Ports		
120 Spatial Containment		Revit Link IFC supports containment information for levels, but not the building and site.
130 Grouping		
130-2 Grouping to Systems		
210 IfcFlowTerminal	*company statement*	*DuplexHouse_Ventilation / 2x3*
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			
100 Element Aggregation			
100-4 Port Assignment			
110 Connectivity			
110-5 Connectivity by Ports			
120 Spatial Containment		Revit Link IFC supports containment information for levels, but not the building and site.	
130 Grouping			
130-2 Grouping to Systems			
507 IfcSystem		*company statement*	*DuplexHouse_Ventilation / 2x3*
010 Naming			
130 Grouping			
130-5 Is Group			
250 System Assignment			
250-2 Services Spatial Element		Revit does not currently assign a system to a spatial element, rather the individual elements are assigned.	
General		*company statement*	*DuplexHouse_Ventilation / 2x3*
_G4 Remarks			

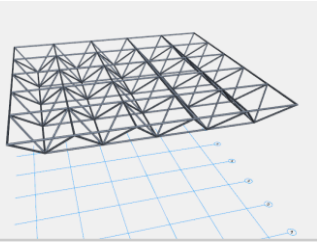
Grid 01 / 2x3



509 IfcGrid	*company statement*	*Grid 01 / 2x3*
001 GUIDs		
002 History	Revit does not import the owner history.	
010 Naming		
020 Placement		
020-2 Placement Relative		
030 Geometry		
030-3 Geometry FootPrint		
040 Presentation		
040-1 Geometric Presentation	Revit does not import color information for grids.	
050 CAD Layer	At the time of this test, Revit did not import CAD layer information for grids.	
120 Spatial Containment	At the time of this test, Revit had the containment information for levels, but not for building or site.	
210 Property Set		
210-3 Property Set User Defined		
270 Grid Usage		
270-1 Grid Axes		

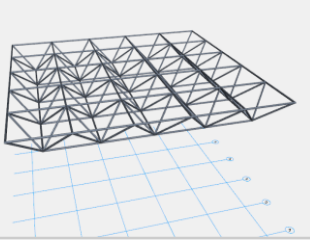
General	*company statement*	*Grid 01 / 2x3*
_G4 Remarks		

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	Revit reads the connection information but it is not shown in the imported model.	
110-3 Connectivity Realization		
110-3-1 Connectivity Realized	Revit reads the connection information but it is not shown in the imported model.	
120 Spatial Containment	At the time of this test, Revit had the containment information for levels, but not for building or site.	
200 Material		
200-1 Single Material		
300 Type		
300-1 Type Geometry		
General	*company statement*	*Member_01S / 2x3*
_G4 Remarks		

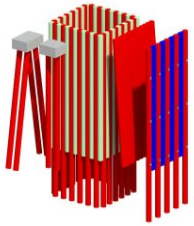
Member 01A / 2x3



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	■	At the time of this test, Revit had the containment information for levels, but not for building or site.
200 Material		
200-1 Single Material	■	
300 Type		
300-1 Type Geometry	■	

General	*company statement*	*Member 01A / 2x3*
_G4 Remarks	■	

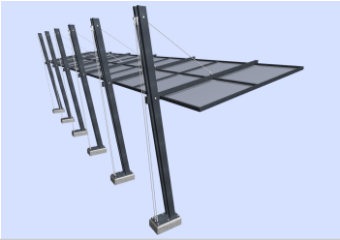
Pile 01 / 2x3



404 IfcPile	*company statement*	*Pile 01 / 2x3*
001 GUIDs		
002 History	Revit Link IFC does not import the owner history.	
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		Revit Link IFC supports containment information for levels, but not the building and site.
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		*company statement* *Pile 01 / 2x3*
_G4 Remarks		

PlateFastener-01 / 2x3



103 IfcBeam	*company statement*	*PlateFastener-01 / 2x3*
001 GUIDs		
002 History	Revit Link IFC does not import the owner history.	
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	Revit Link IFC does not import the owner history.	
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		

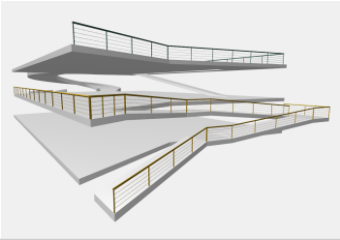
300 Type		
300-1 Type Geometry		
300-2 Type Naming		
300-3 Type Material		
300-5 Type Property Set		
401 IfcMember	*company statement*	*PlateFastener-01 / 2x3*
001 GUIDs		
002 History	Revit Link IFC does not import the owner history.	
020 Placement		
020-2 Placement Relative		
030 Geometry		
030-6 Geometry 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		
300-3 Type Material		
300-5 Type Property Set		
402 IfcPlate	*company statement*	*PlateFastener-01 / 2x3*

001 GUIDs	■	
002 History	■	Revit Link IFC does not import the owner history.
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	■	Revit Link IFC supports containment information for levels, but not the building and site.
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	■		
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	■	At the time of this test, Revit didn't create a fastener axis on linking the IFC file.	
406 IfcMechanicalFastener		*company statement*	*PlateFastener-01 / 2x3*
001 GUIDs	■		
002 History	■	Revit Link IFC does not import the owner history.	
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	■	Revit Link IFC supports containment information for levels, but not the building and site.
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	■	
300-3 Type Material	■	
300-5 Type Property Set	■	
General	*company statement*	*PlateFastener-01 / 2x3*
_G4 Remarks	■	

RampRailing-01 / 2x3



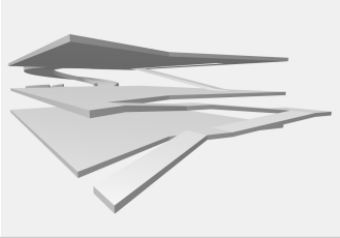
RampRailing-01 / 2x3

107 IfcRamp	*company statement*
001 GUIDs	
002 History	Revit Link IFC does not import the owner history.
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	At the time of this test, Revit had the containment information for levels, but not for building or site.
200 Material	
200-1 Single Material	

210 Property Set		
210-1 Property Set IFC Common	■	
210-3 Property Set User Defined	■	
108 IfcRailing	*company statement*	*RampRailing-01 / 2x3*
001 GUIDs	■	
002 History	■	Revit Link IFC does not import the owner history.
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	■	At the time of this test, Revit had the containment information for levels, but not for building or site.
200 Material		
200-1 Single Material	■	
200-5 Material List	■	

210 Property Set		
210-1 Property Set IFC Common		
210-3 Property Set User Defined		
General	*company statement*	*RampRailing-01 / 2x3*
_G4 Remarks		

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	■	Revit Link IFC does not import the owner history.
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	■	At the time of this test, Revit had the containment information for levels, but not for building or site.
200 Material		
200-1 Single Material	■	
210 Property Set		
210-1 Property Set IFC Common	■	
210-3 Property Set User Defined	■	
General	*company statement*	*RampSlab-01 / 2x3*
_G4 Remarks	■	

RandomArch-X1 Allplan2013 / 2x3

101 IfcWallStandardCase	*company statement*	*RandomArch-X1 Allplan2013 / 2x3*
020 Placement		
020-2 Placement Relative		
030 Geometry		
030-2 Geometry Axis	Revit Link IFC does not currently import axis	
030-6 Geometry Body		
030-6-1 Geometry SweptSolid		
030-6-2 Geometry Clipping		
070 Voiding		
070-2 Voiding Geometry Explicit		
080 Filling		
081 Has Filling		
081-1 Has Filling Door	Revit maintains a door's host element in the IfcContainedInHost parameter, but the opening element does not have this parameter.	
200 Material		
200-4 Material Layer Usage		
210 Property Set		
210-3 Property Set User Defined		

102 IfcWall	*company statement*	*RandomArch-X1 Allplan2013 / 2x3*

020 Placement			
020-2 Placement Relative			
030 Geometry			
030-2 Geometry Axis		Revit Link IFC does not currently import axis	
030-6 Geometry Body			
030-6-1 Geometry SweptSolid			
030-6-2 Geometry Clipping			
070 Voiding			
070-1 Voiding Geometry Explicit			
080 Filling			
080-1 Has Filling			
080-1-1 Has Filling Door		Revit maintains a door's host element in the IfcContainedInHost parameter, but the opening element does not have this parameter.	
080-1-2 Has Filling Window		Revit maintains a door's host element in the IfcContainedInHost parameter, but the opening element does not have this parameter.	
General		*company statement*	*RandomArch-X1 Allplan2013 / 2x3*
_G4 Remarks			

RandomArch-X3 RAC / 2x3

101 IfcWallStandardCase		*company statement*	*RandomArch-X3 RAC / 2x3*
020 Placement			
020-2 Placement Relative	■		
102 IfcWall		*company statement*	*RandomArch-X3 RAC / 2x3*
020 Placement			
020-2 Placement Relative	■		
105 IfcSlab		*company statement*	*RandomArch-X3 RAC / 2x3*
010 Naming	■		
020 Placement			
020-2 Placement Relative	■		
110 IfcRoof		*company statement*	*RandomArch-X3 RAC / 2x3*
010 Naming	■		
020 Placement			
020-2 Placement Relative	■		
111 IfcBuildingElementProxy		*company statement*	*RandomArch-X3 RAC / 2x3*
010 Naming	■		
503 IfcBuilding		*company statement*	*RandomArch-X3 RAC / 2x3*
010 Naming	■	Revit does not currently import the building name from IFC.	
General		*company statement*	*RandomArch-X3 RAC / 2x3*
_G4 Remarks	■		

RandomArch-X4 VW / 2x3

101 IfcWallStandardCase	*company statement*	*RandomArch-X4 VW / 2x3*
001 GUIDs		
002 History	Revit Link IFC does not import the owner history.	
010 Naming		
020 Placement		
020-2 Placement Relative		
030 Geometry		
030-6 Geometry Body		
030-6-1 Geometry SweptSolid		
050 CAD Layer		
120 Spatial Containment	Revit Link IFC supports containment information for levels, but not the building and site.	
210 Property Set		
210-1 Property Set IFC Common		

102 IfcWall	*company statement*	*RandomArch-X4 VW / 2x3*
001 GUIDs		
002 History	Revit Link IFC does not import the owner history.	
010 Naming		

020 Placement		
020-2 Placement Relative	■	
030 Geometry		
030-6 Geometry Body		
030-6-1 Geometry SweptSolid	■	
030-6-5 Geometry Explicit	■	
040 Presentation		
040-2 Material Presentation	■	
050 CAD Layer	■	
120 Spatial Containment	■	Revit Link IFC supports containment information for levels, but not the building and site.
200 Material		
200-1 Single Material	■	
105 IfcSlab	*company statement*	*RandomArch-X4 VW / 2x3*
001 GUIDs	■	
002 History	■	Revit Link IFC does not import the owner history.
010 Naming	■	
020 Placement		
020-2 Placement Relative	■	
030 Geometry		
030-6 Geometry Body		
030-6-5 Geometry Explicit	■	
040 Presentation		
040-2 Material Presentation	■	

050 CAD Layer		
120 Spatial Containment	Revit Link IFC supports containment information for levels, but not the building and site.	
200 Material		
200-1 Single Material		
111 IfcBuildingElementProxy	*company statement*	*RandomArch-X4 VW / 2x3*
001 GUIDs		
002 History	Revit Link IFC does not import the owner history.	
010 Naming		
020 Placement		
020-2 Placement Relative		
030 Geometry		
030-6 Geometry Body		
030-6-5 Geometry Explicit		
040 Presentation		
040-2 Material Presentation		
050 CAD Layer		
120 Spatial Containment	Revit Link IFC supports containment information for levels, but not the building and site.	
200 Material		
200-1 Single Material		
210 Property Set		
210-3 Property Set User Defined		

403 IfcFooting	*company statement*	*RandomArch-X4 VW / 2x3*
001 GUIDs		
002 History	Revit Link IFC does not import the owner history.	
010 Naming		
020 Placement		
020-1 Placement Relative		
030 Geometry		
030-6 Geometry Body		
030-6-5 Geometry Explicit		
040 Presentation		
040-2 Material Presentation		
050 CAD Layer		
120 Spatial Containment	Revit Link IFC supports containment information for levels, but not the building and site.	
200 Material		
200-1 Single Material		

501 IfcProject	*company statement*	*RandomArch-X4 VW / 2x3*
001 GUIDs		
002 History	Revit Link IFC does not import the owner history.	
005 Project Units		
005-1 Project Metric Units		
010 Naming		

150 Spatial Aggregation		
150-1 Spatial Composition	Restricted	Revit Link IFC supports containment information for levels, but not the building and site.
150-2 Spatial Decomposition	Restricted	Revit Link IFC supports containment information for levels, but not the building and site.
502 IfcSite	*company statement*	*RandomArch-X4 VW / 2x3*
001 GUIDs	Supported	
002 History	Not Supported	Revit Link IFC does not import the owner history.
010 Naming	Supported	
020 Placement		
020-1 Placement Absolute	Supported	
030 Geometry		
030-1 Geometry Box	Not Supported	Revit does not currently import the bounding box.
030-6 Geometry Body		
030-6-5 Geometry Explicit	Supported	
040 Presentation		
040-1 Geometric Presentation	Supported	
050 CAD Layer	Supported	
060 Location		
060-1 Geographic Location	Supported	
120 Spatial Containment	Restricted	Revit Link IFC supports containment information for levels, but not the building and site.

150 Spatial Aggregation		
150-1 Spatial Composition	Revit Link IFC supports containment information for levels, but not the building and site.	
150-2 Spatial Decomposition	Revit Link IFC supports containment information for levels, but not the building and site.	
210 Property Set		
210-9 Property Set User Defined		
General	*company statement*	*RandomArch-X4 VW / 2x3*
_G4 Remarks		

RandomMEP-X2 BENCH / 2x3

206 IfcFlowFitting	*company statement*	*RandomMEP-X2 BENCH / 2x3*
030 Geometry		
030-6 Geometry Body		
030-6-9 Geometry Mapped	■	
100 Element Aggregation		
100-4 Port Assignment	■	
110 Connectivity		
110-5 Connectivity by Ports	■	
207 IfcFlowMovingDevice	*company statement*	*RandomMEP-X2 BENCH / 2x3*
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	■	

100 Element Aggregation		
100-4 Port Assignment	■	
110 Connectivity		
110-5 Connectivity by Ports	■	
120 Spatial Containment	■	
200 Material		
200-1 Single Material	■	
210 Property Set		
210-9 Property Set User Defined	■	
208 IfcFlowSegment	*company statement*	*RandomMEP-X2 BENCH / 2x3*
030 Geometry		
030-6 Geometry Body		
030-6-9 Geometry Mapped	■	
100 Element Aggregation		
100-4 Port Assignment	■	
110 Connectivity		
110-5 Connectivity by Ports	■	
210 IfcFlowTerminal	*company statement*	*RandomMEP-X2 BENCH / 2x3*
030 Geometry		
030-6 Geometry Body		
030-6-9 Geometry Mapped	■	
100 Element Aggregation		
100-4 Port Assignment	■	
110 Connectivity		
110-5 Connectivity by Ports	■	

General	*company statement*	*RandomMEP-X2 BENCH / 2x3*
_G4 Remarks		

RandomMEP-X3 RME / 2x3

506 IfcGroup	*company statement*	*RandomMEP-X3 RME / 2x3*
001 GUIDs	Revit imports IfcSystem but not other IfcGroup.	
010 Naming	Revit imports IfcSystem but not other IfcGroup.	
130 Grouping		
130-5 Is Group	Revit imports IfcSystem but not other IfcGroup.	
General	*company statement*	*RandomMEP-X3 RME / 2x3*
_G4 Remarks		

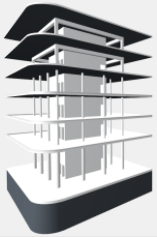
RandomStruc-X2 Scia / 2x3

411 IfcTendon	*company statement*	*RandomStruc-X2 Scia / 2x3*
001 GUIDs		
002 History	Revit Link IFC does not import the owner history.	
010 Naming		
020 Placement		
020-2 Placement Relative		
030 Geometry		
030-6 Geometry Body		
030-6-4 Geometry AdvancedSweptSolid		
040 Presentation		
040-1 Geometric Presentation		
050 CAD Layer		
120 Spatial Containment	Revit Link IFC supports containment information for levels, but not the building and site.	
200 Material		
200-1 Single Material		
General	*company statement*	*RandomStruc-X2 Scia / 2x3*
_G4 Remarks		

RandomStruc-X2 TS / 2x3

409 IfcReinforcingBar	*company statement*	*RandomStruc-X2 TS / 2x3*
010 Naming	■	
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	■	
100 Element Aggregation		
100-1 Element Composition	■	
200 Material		
200-1 Single Material	■	
General	*company statement*	*RandomStruc-X2 TS / 2x3*
_G4 Remarks	■	

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	■	Revit Link IFC supports containment information for levels, but not the building and site.	
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	■	Revit Link IFC supports containment information for levels, but not the building and site.	
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	Revit Link IFC supports containment information for levels, but not the building and site.	
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	Revit Link IFC supports containment information for levels, but not the building and site.	
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	Revit Link IFC supports containment information for levels, but not the building and site.	

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	Revit Link IFC supports containment information for levels, but not the building and site.	
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		
300-3 Type Material		
300-5 Type Property Set		

408 IfcElementAssembly	*company statement*	*Reinforcement-01 / 2x3*
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	■	Revit Link IFC supports containment information for levels, but not the building and site.
210 Property Set		
210-9 Property Set User Defined	■	
409 IfcReinforcingBar	*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	■	Revit Link IFC supports containment information for levels, but not the building and site.
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	■	
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	■	Revit Link IFC supports containment information for levels, but not the building and site.
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	■	
300-3 Type Material	■	
300-5 Type Property Set	■	
501 IfcProject	*company statement*	*Reinforcement-01 / 2x3*
001 GUIDs	■	
002 History	■	Revit Link IFC does not import the owner history.

005 Project Units		
005-1 Project Metric Units	■	
008 Representation Context		
008-1 Representation Main Context	■	Revit doesn't import the Representation Main Context from IFC.
008-2 Representation Sub Context		
008-2-2 Representation Sub Context 3D	■	Revit doesn't import the Representation Subcontext from IFC.
010 Naming	■	
150 Spatial Aggregation		
150-2 Spatial Decomposition	■	Revit does not currently import the spatial decomposition of IFCProject.
503 IfcBuilding		*company statement* — *Reinforcement-01 / 2x3*
001 GUIDs	■	Revit doesn't currently import the building GUID.
002 History	■	Revit Link IFC does not import the owner history.
010 Naming	■	Revit doesn't currently import the building name.
020 Placement		
020-1 Placement Absolute	■	
060 Location		
060-2 Address	■	At the time of this test, Revit didn't import the building address.
150 Spatial Aggregation		
150-1 Spatial Composition	■	Revit does not have the concept of Building and so this is not supported.
150-2 Spatial Decomposition	■	Revit does not have the concept of Building and so this is not supported.
504 IfcBuildingStorey		*company statement* — *Reinforcement-01 / 2x3*
001 GUIDs	■	
002 History	■	Revit Link IFC does not import the owner history.

■ Supported ■ Restricted ■ Not Supported

010 Naming		
020 Placement		
020-2 Placement Relative		
060 Location		
060-4 Storey Elevation		
120 Spatial Containment		Revit Link IFC supports containment information for levels, but not the building and site.
150 Spatial Aggregation		
150-1 Spatial Composition		
150-2 Spatial Decomposition		
General	*company statement*	*Reinforcement-01 / 2x3*
_G4 Remarks		

ReplacementTest_forPile-01 Scia / 2x3

101 IfcWallStandardCase	*company statement*	*ReplacementTest_forPile-01 Scia / 2x3*
030 Geometry		
030-6 Geometry Body		
030-6-1 Geometry SweptSolid		
104 IfcColumn	*company statement*	*ReplacementTest_forPile-01 Scia / 2x3*
030 Geometry		
030-6 Geometry Body		
030-6-1 Geometry SweptSolid		
030-6-2 Geometry Clipping		
050 CAD Layer		
200 Material		
200-1 Single Material		
210 Property Set		
210-3 Property Set User Defined		
General	*company statement*	*ReplacementTest_forPile-01 Scia / 2x3*
_G4 Remarks		

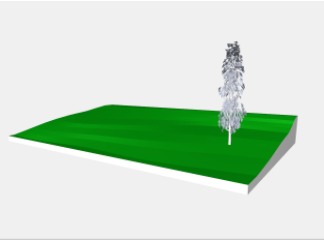
Roof 01 / 2x3



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	■	At the time of this test, Revit did not import the relation between windows and their hosts.	
200 Material			
200-2 Material Layer Set	■		
110 IfcRoof		*company statement*	*Roof 01 / 2x3*

030 Geometry		
030-1 Geometry Box		Revit does not currently import bounding box geometry if there is body geometry present.
040 Presentation		
040-1 Geometric Presentation		
040-2 Material Presentation		
100 Element Aggregation		
100-2 Element Decomposition		
120 Spatial Containment		At the time of this test, Revit had the containment information for levels, but not for building or site.
200 Material		
200-1 Single Material		
General	*company statement*	*Roof 01 / 2x3*
_G4 Remarks		

Site 01 / 2x3

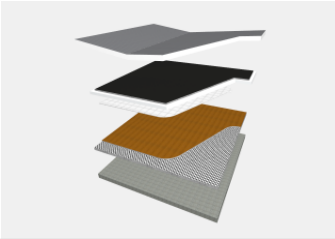


502 IfcSite	*company statement*	*Site 01 / 2x3*
001 GUIDs		
002 History	Revit does not import the owner history.	
010 Naming		
020 Placement		
020-1 Placement Absolute		
030 Geometry		
030-1 Geometry Box	Revit does not currently import the bounding box geometry for sites.	
030-3 Geometry FootPrint	Revit does not currently import footprint geometry for sites.	
030-6 Geometry Body		
030-6-5 Geometry Explicit		
040 Presentation		
040-1 Geometric Presentation		
050 CAD Layer		
060 Location		
060-1 Geographic Location		
060-2 Address	At the time of this test, Revit didn't import the building address.	
120 Spatial Containment	At the time of this test, Revit had the containment information for levels, but not for building or site.	
210 Property Set		
210-1 Property Set IFC Common		

Supported Restricted Not Supported

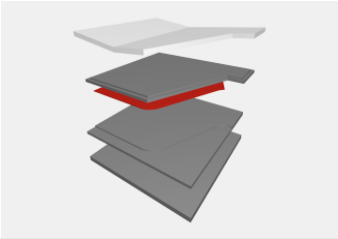
General	*company statement*	*Site 01 / 2x3*
_G4 Remarks		

Slab 01A / 2x3



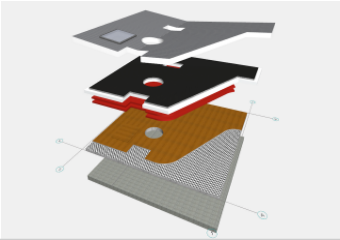
105 IfcSlab	*company statement*	*Slab 01A / 2x3*
010 Naming	■	
020 Placement		
020-2 Placement Relative	■	
030 Geometry		
030-6 Geometry Body		
030-6-1 Geometry SweptSolid	■	
030-6-2 Geometry Clipping	■	
050 CAD Layer	■	
200 Material		
200-2 Material Layer Set	■	
200-3 Material Layer Usage	■	
210 Property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

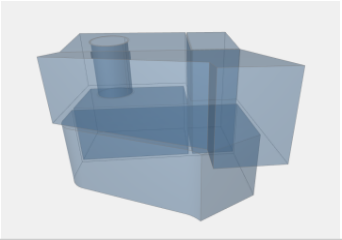
Slab 02A / 2x3



105 IfcSlab	*company statement*	*Slab 02A / 2x3*
010 Naming		
020 Placement		
020-2 Placement Relative		
030 Geometry		
030-1 Geometry Box	Revit does not currently import bounding box geometry if there is a body representation.	
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		
080 Filling		
080-1 Has Filling		
080-1-1 Has Filling Door	At the time of this test, Revit Link IFC supported the import of door filling openings in slabs, but did not maintain the relation between slab and door	
080-1-2 Has Filling Window	At the time of this test, Revit Link IFC supported the import of window filling openings in slabs, but did not maintain the relation between slab and window	

120 Spatial Containment		At the time of this test, Revit had the containment information for levels, but not for building or site.
130 Grouping		
130-1 Grouping General		At the time of this test, Revit didn't group elements on linking the IFC file.
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		
300-3 Type Material		
300-5 Type Property Set		
General	*company statement*	*Slab 02A / 2x3*
_G4 Remarks		

Space 01A / 2x3

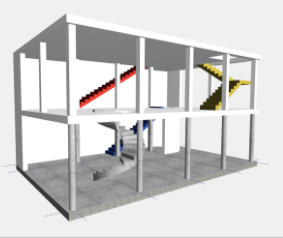


505 IfcSpace	*company statement*	*Space 01A / 2x3*
001 GUIDs		
002 History	Revit Link IFC does not import the owner history.	
010 Naming		
020 Placement		
020-2 Placement Relative		
030 Geometry		
030-6 Geometry Body		
030-6-1 Geometry SweptSolid		
030-6-2 Geometry Clipping		
040 Presentation		
040-1 Geometric Presentation		
050 CAD Layer		
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

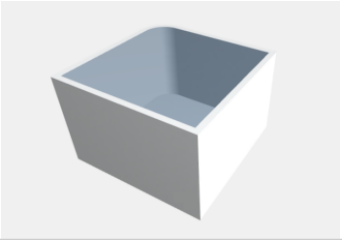


105 IfcSlab	*company statement*	*StairSlab-01 / 2x3*
001 GUIDs		
002 History	Revit Link IFC does not import the owner history.	
030 Geometry		
030-6 Geometry Body		
030-6-1 Geometry SweptSolid		
040 Presentation		
040-1 Geometric Presentation		
040-2 Material Presentation		
070 Voiding		
070-3 Voiding Geometry SweptSolid		

106 IfcStair	*company statement*	*StairSlab-01 / 2x3*
001 GUIDs		
002 History	Revit Link IFC does not import the owner history.	
010 Naming		
020 Placement		
020-1 Placement Relative		

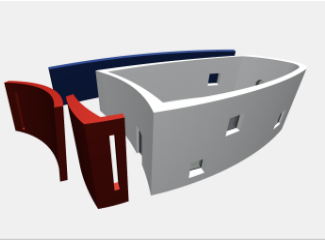
030 Geometry		
030-6 Geometry Body		
030-6-5 Geometry Explicit	■	
030-9 Geometry By Components	■	
040 Presentation		
040-1 Geometric Presentation	■	
050 CAD Layer	■	
100 Element Aggregation		
100-2 Element Decomposition	■	
120 Spatial Containment	■	At the time of this test, Revit had the containment information for levels, but not for building or site.
200 Material		
200-1 Single Material	■	
210 Property Set		
210-1 Property Set IFC Common	■	
General	*company statement*	*StairSlab-01 / 2x3*
_G4 Remarks	■	

UnitTest-01A / 2x3



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

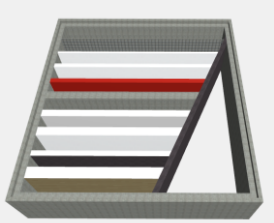
Wall 01 / 2x3



102 IfcWall	*company statement*	*Wall 01 / 2x3*
002 History	Revit Link IFC does not import the owner history.	
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	At the time of this test, Revit did not display the relation between doors and their hosts.	
080-1-2 Has Filling Window	At the time of this test, Revit did not display the relation between doors and their hosts.	

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	■		

WallStandardCase 01A / 2x3

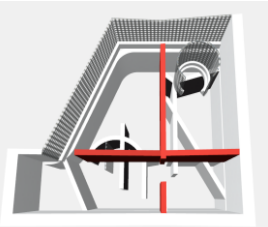


101 IfcWallStandardCase	*company statement*	*WallStandardCase 01A / 2x3*
010 Naming		
020 Placement		
020-2 Placement Relative		
030 Geometry		
030-2 Geometry Axis		
030-6 Geometry Body		
030-6-1 Geometry SweptSolid		
030-6-2 Geometry Clipping		
040 Presentation		
040-1 Geometric Presentation		
040-2 Material Presentation		
050 CAD Layer		
110 Connectivity		
110-2 Connectivity Path	Revit Link IFC does not currently maintain the connectivity path information for walls.	
120 Spatial Containment	At the time of this test, Revit had the containment information for levels, but not for building or site.	
200 Material		
200-4 Material Layer Usage		
210 Property Set		
210-3 Property Set User Defined		

Supported Restricted Not Supported

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

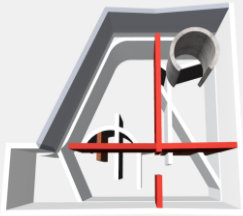
WallStandardCase 02A / 2x3



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	■	Revit Link IFC does not currently maintain the connectivity path information for walls.	
120 Spatial Containment	■	At the time of this test, Revit had the containment information for levels, but not for building or site.	
200 Material			
200-4 Material Layer Usage	■		
210 Property Set			
210-1 Property Set IFC Common	■		
General		*company statement*	*WallStandardCase 02A / 2x3*
_G4 Remarks	■		

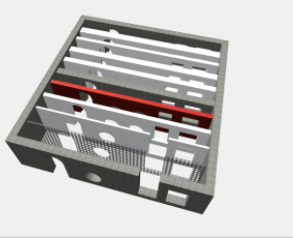
■ Supported ■ Restricted ■ Not Supported

WallStandardCase 02S / 2x3



101 IfcWallStandardCase		*company statement*	*WallStandardCase 02S / 2x3*
010 Naming			
020 Placement			
020-2 Placement Relative			
030 Geometry			
030-2 Geometry Axis		Revit Link IFC does not currently display the axis representation for walls.	
030-6 Geometry Body			
030-6-1 Geometry SweptSolid			
030-6-2 Geometry Clipping			
050 CAD Layer			
110 Connectivity			
110-2 Connectivity Path		Revit Link IFC does not currently maintain the connectivity path information for walls.	
120 Spatial Containment		At the time of this test, Revit had the containment information for levels, but not for building or site.	
200 Material			
200-4 Material Layer Usage			
210 Property Set			
210-1 Property Set IFC Common			
General		*company statement*	*WallStandardCase 02S / 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	■	At the time of this test, Revit didn't create a wall axis on linking the IFC file.	
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	■	At the time of this test, Revit had the containment information for levels, but not for building or site.	

General		*company statement*	*WallStandardCase 03A / 2x3*
_G4 Remarks	■		

Window 01 / 2x3



301 IfcWindow	*company statement*	*Window 01 / 2x3*
001 GUIDs		
002 History	Revit Link IFC does not import the owner history.	
010 Naming		
020 Placement		
020-2 Placement Relative		
030 Geometry		
030-5 Geometry Profile	Revit Link IFC does not currently support the profile shape representation.	
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	Revit maintains a door's host element in the IfcContainedInHost parameter, but the opening element does not have this parameter.	
120 Spatial Containment	At the time of this test, Revit had the containment information for levels, but not for building or site.	

200 Material			
200-1 Single Material			
200-5 Material List			
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		Revit does not currently import the Type properties of windows such as Operation and Construction Type.	
General		*company statement*	*Window 01 / 2x3*
_G4 Remarks			