CoordinationView 2.0 / Export

CV2.0-MEP

Autodesk-R

Autodesk Revit MEP

12/07/2013

Table of contents

Introduction

IFC Export for Revit 2013 and 2014

Revit 2013 and 2014 ship with IFC support. Users can download upgraded versions of both the exporter and the exporter UI from either the Autodesk Exchange Apps store or from SourceForge. In addition, the source code for the exporter and UI can also be downloaded from SourceForge. The certified version for Autodesk Revit MEP 2013 is v2.12.0 for the exporter, and v1.12.0 for the UI; the certified version for Autodesk Revit MEP 2014 is v3.4.0 for the exporter, and v2.4.0 for the UI. The versions of the exporter and UI from the app store contain access to help documentation; additional help can be found at the Autodesk and SourceForge Wikis. Although there is currently no automatic update of the exporter and UI, all users that download the applications from the Autodesk Exchange Apps store will receive an update email with links to the current version(s).

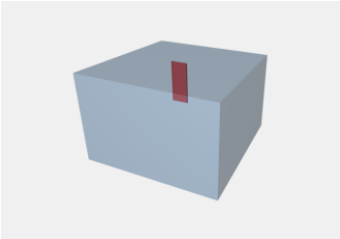
SourceForge wiki: https://sourceforge.net/p/ifcexporter/home/Home/

Testlist

Name test	concepts total	manually checked		
		■	■	■
CharsetTest-01MEP / 2x3	2	2		
DuplexHouse_Electrical / 2x3	65	32	6	27
DuplexHouse_Heating / 2x3	56	46	1	9
DuplexHouse_Sanitary / 2x3	52	45	1	6
DuplexHouse_Ventilation / 2x3	44	41		3
RandomMEP-X1 / 2x3	10	9		1
RandomMEP-X2 / 2x3	8	8		
RandomMEP-X3 / 2x3	4	4		
RandomMEP-X4 / 2x3	6	6		
RandomMEP-X5 / 2x3	19	15		4
Space_01MEP / 2x3	15	13		2
UnitTest-01MEP / 2x3	3	1	2	

Concepts

CharsetTest-01MEP / 2x3



General	*company statement*	*CharsetTest-01MEP / 2x3*
_G1 Character sets	■	
_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	All of the IfcEnergyConversionDevices in this test case use mapped representations.	
030-6-9 Geometry Mapped		
100 Element Aggregation		
100-4 Port Assignment		
110 Connectivity		
110-5 Connectivity by Ports		
120 Spatial Containment	Revit 2013 do not allow for spatial containment inside an MEP space. The Revit 2014 version of the exporter does allow for this.	
130 Grouping		
130-2 Grouping to Systems		
300 Type		
300-1 Type Geometry	In this test case, the IfcEnergyConversionDevice did not have an associated type object.	
300-2 Type Naming	In this test case, the IfcEnergyConversionDevice did not have an associated type object.	
205 IfcFlowController	*company statement*	*DuplexHouse_Electrical / 2x3*

Supported Restricted Not Supported

010 Naming	■	
020 Placement		
020-2 Placement Relative	■	
030 Geometry		
030-6 Geometry Body		
030-6-5 Geometry Explicit	■	All of the IfcFlowControllers in this test case use mapped representations.
030-6-9 Geometry Mapped	■	
100 Element Aggregation		
100-4 Port Assignment	■	
110 Connectivity		
110-5 Connectivity by Ports	■	
120 Spatial Containment	■	Revit 2013 do not allow for spatial containment inside an MEP space. The Revit 2014 version of the exporter does allow for this.
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	■	Revit does not currently support exporting electrical wires(cables), so IfcFlowFitting and IfcFlowSegment are not supported for this test case.
020 Placement		
020-2 Placement Relative	■	Revit does not currently support exporting electrical wires(cables), so IfcFlowFitting and IfcFlowSegment are not supported for this test case.

030 Geometry		
030-6 Geometry Body		
030-6-5 Geometry Explicit		Revit does not currently support exporting electrical wires(cables), so IfcFlowFitting and IfcFlowSegment are not supported for this test case.
030-6-9 Geometry Mapped		Revit does not currently support exporting electrical wires(cables), so IfcFlowFitting and IfcFlowSegment are not supported for this test case.
100 Element Aggregation		
100-4 Port Assignment		Revit does not currently support exporting electrical wires(cables), so IfcFlowFitting and IfcFlowSegment are not supported for this test case.
110 Connectivity		
110-5 Connectivity by Ports		Revit does not currently support exporting electrical wires(cables), so IfcFlowFitting and IfcFlowSegment are not supported for this test case.
120 Spatial Containment		Revit does not currently support exporting electrical wires(cables), so IfcFlowFitting and IfcFlowSegment are not supported for this test case.
130 Grouping		
130-2 Grouping to Systems		Revit does not currently support exporting electrical wires(cables), so IfcFlowFitting and IfcFlowSegment are not supported for this test case.
300 Type		
300-1 Type Geometry		Revit does not currently support exporting electrical wires(cables), so IfcFlowFitting and IfcFlowSegment are not supported for this test case.
300-2 Type Naming		Revit does not currently support exporting electrical wires(cables), so IfcFlowFitting and IfcFlowSegment are not supported for this test case.
208 IfcFlowSegment	*company statement*	*DuplexHouse_Electrical / 2x3*
010 Naming		Revit does not currently support exporting electrical wires(cables), so IfcFlowFitting and IfcFlowSegment are not supported for this test case.
020 Placement		
020-2 Placement Relative		Revit does not currently support exporting electrical wires(cables), so IfcFlowFitting and IfcFlowSegment are not supported for this test case.

030 Geometry		
030-6 Geometry Body		
030-6-5 Geometry Explicit	Revit does not currently support exporting electrical wires(cables), so IfcFlowFitting and IfcFlowSegment are not supported for this test case.	
030-6-9 Geometry Mapped	Revit does not currently support exporting electrical wires(cables), so IfcFlowFitting and IfcFlowSegment are not supported for this test case.	
040 Presentation		
040-1 Geometric Presentation	Revit does not currently support exporting electrical wires(cables), so IfcFlowFitting and IfcFlowSegment are not supported for this test case.	
100 Element Aggregation		
100-4 Port Assignment	Revit does not currently support exporting electrical wires(cables), so IfcFlowFitting and IfcFlowSegment are not supported for this test case.	
110 Connectivity		
110-5 Connectivity by Ports	Revit does not currently support exporting electrical wires(cables), so IfcFlowFitting and IfcFlowSegment are not supported for this test case.	
120 Spatial Containment	Revit does not currently support exporting electrical wires(cables), so IfcFlowFitting and IfcFlowSegment are not supported for this test case.	
130 Grouping		
130-2 Grouping to Systems	Revit does not currently support exporting electrical wires(cables), so IfcFlowFitting and IfcFlowSegment are not supported for this test case.	
300 Type		
300-1 Type Geometry	Revit does not currently support exporting electrical wires(cables), so IfcFlowFitting and IfcFlowSegment are not supported for this test case.	
300-2 Type Naming	Revit does not currently support exporting electrical wires(cables), so IfcFlowFitting and IfcFlowSegment are not supported for this test case.	
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	🟥	All of the IfcFlowTerminals in this test case use mapped representations.
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 2013 do not allow for spatial containment inside an MEP space. The Revit 2014 version of the exporter does allow for this.
130 Grouping		
130-2 Grouping to Systems	🟨	In this test case, the outlets supporting the appliances are in the circuits rather than the appliances themselves.
210 Property Set		
210-1 Property Set IFC Common	🟩	
210-6 Property Set IFC any	🟩	
210-9 Property Set User Defined	🟥	Revit does not currently have the capability to create user-defined parameter groups, corresponding to IFC property sets. The Open Source IFC exporter allows for the programmatic creation of user-defined property sets. A user can add these sets to the base export.
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			
504 IfcBuildingStorey		*company statement*	*DuplexHouse_Electrical / 2x3*
010 Naming			
020 Placement			
020-2 Placement Relative			
150 Spatial Aggregation			
150-1 Spatial Composition			
507 IfcSystem		*company statement*	*DuplexHouse_Electrical / 2x3*
010 Naming			
130 Grouping			
130-2 Grouping to Systems		Revit doesn't support nested systems.	
130-5 Is Group			
General		*company statement*	*DuplexHouse_Electrical / 2x3*
_G4 Remarks		Revit does not currently support exporting electrical wires(cables), so IfcFlowFitting and IfcFlowSegment are not supported for this test case. Also, we have simplified the test model by only creating only one flat, instead of duplicating it.	

DuplexHouse_Heating / 2x3

204 IfcEnergyConversionDevice	*company statement*	*DuplexHouse_Heating / 2x3*
010 Naming		
030 Geometry		
030-6 Geometry Body		
030-6-5 Geometry Explicit	In this test case, all of the IfcEnergyConversionDevices have thier geometry represented by IfcMappedRepresentation.	
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	Revit does not currently support IFC common type property sets associated with IfcEnergyConversionDevice types. It does support exporting internal Revit property sets at the type level.	
205 IfcFlowController	*company statement*	*DuplexHouse_Heating / 2x3*
010 Naming		

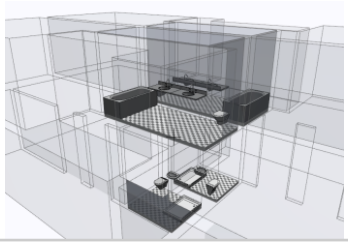
030 Geometry			
030-6 Geometry Body			
030-6-5 Geometry Explicit			
030-6-9 Geometry Mapped			
040 Presentation			
040-1 Geometric Presentation			
100 Element Aggregation			
100-4 Port Assignment			
110 Connectivity			
110-5 Connectivity by Ports			
130 Grouping			
130-2 Grouping to Systems			
300 Type			
300-1 Type Geometry		Revit's use of type vs. non-type geometry depends on the Revit element used. For family-based MEP elements, we have type geometry. For the non-family based ones we don't export the type geometry.	
300-5 Type Property Set		Revit does not currently support IFC common type property sets associated with IfcFlowController types. It does support exporting internal Revit property sets at the type level.	
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	■	Revit does not currently support IFC common type property sets associated with IfcFlowFitting types. It does support exporting internal Revit property sets at the type level.
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	■	The IfcFlowSegments in this test case were all exported as IfcSweptSolids.	
030-6-9 Geometry Mapped	■	The IfcFlowSegments in this test case were all exported as IfcSweptSolids.	
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	■	Revit's use of type vs. non-type geometry depends on the Revit element used. For family-based MEP elements, we have type geometry. For the non-family based ones we don't export the type geometry.	
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		Revit does not currently support all IFC common type property sets associated with IfcFlowTerminal types - it does support some for washbasins, toilets and sinks. It does support exporting internal Revit property sets at the type level.	
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	In this test case, the IfcFlowControllers have explicit geoemtric representations.	
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		
130 Grouping		
130-2 Grouping to Systems		

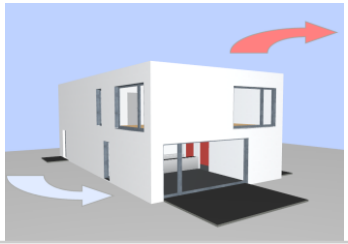
206 IfcFlowFitting	*company statement*	*DuplexHouse_Sanitary / 2x3*
010 Naming		

020 Placement		
020-2 Placement Relative	■	
030 Geometry		
030-6 Geometry Body		
030-6-1 Geometry SweptSolid	■	In this test case, the IfcFlowFittings have explicit geoemtric representations.
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	■	
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	■	In this test case, the IfcFlowSegments have swept solid representations.
030-6-9 Geometry Mapped	■	In this test case, the IfcFlowSegments have swept solid representations.

040 Presentation		
040-1 Geometric Presentation	■	
100 Element Aggregation		
100-4 Port Assignment	■	
110 Connectivity		
110-5 Connectivity by Ports	■	
120 Spatial Containment	■	
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	■	In this test case, the IfcFlowTerminals have explicit representations.
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	■		
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	■	In this test case, none of the IfcFlowSegments have type geometry, so they don't have type material inforrmation.	
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	■		
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	■	
130 Grouping		
130-2 Grouping to Systems	■	
207 IfcFlowMovingDevice	*company statement*	*DuplexHouse_Ventilation / 2x3*
010 Naming	■	

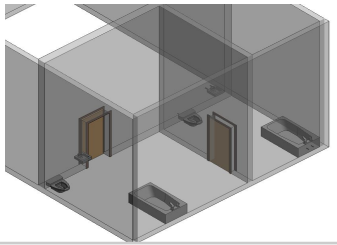
■ Supported ■ Restricted ■ Not Supported

020 Placement		
020-2 Placement Relative	■	
030 Geometry		
030-6 Geometry Body		
030-6-1 Geometry SweptSolid	■	
030-6-5 Geometry Explicit	■	In this test case, the IfcFlowMovingDevices have mapped geometric representations.
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	■	
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		In this test case, the IfcFlowMovingDevices have BRep or swept solid representations.
040 Presentation		
040-1 Geometric Presentation		
100 Element Aggregation		
100-4 Port Assignment		
110 Connectivity		
110-5 Connectivity by Ports		
120 Spatial Containment		
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		In this test case, the IfcFlowTerminals have explicit geometric representations.
030-6-5 Geometry Explicit		
030-6-9 Geometry Mapped		
040 Presentation		
040-1 Geometric Presentation		

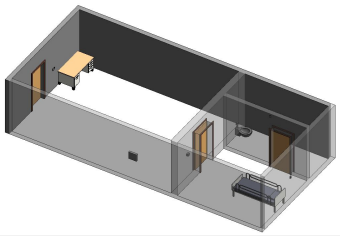
100 Element Aggregation		
100-4 Port Assignment	■	
110 Connectivity		
110-5 Connectivity by Ports	■	
120 Spatial Containment	■	
130 Grouping		
130-2 Grouping to Systems	■	
507 IfcSystem	*company statement*	*DuplexHouse_Ventilation / 2x3*
010 Naming	■	
130 Grouping		
130-5 Is Group	■	
250 System Assignment		
250-2 Services Spatial Element	■	
General	*company statement*	*DuplexHouse_Ventilation / 2x3*
_G4 Remarks	■	

RandomMEP-X1 / 2x3



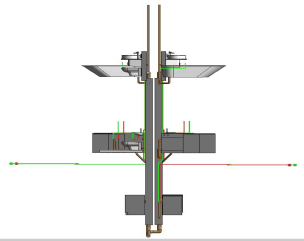
210 IfcFlowTerminal		*company statement*	*RandomMEP-X1 / 2x3*
001 GUIDs	■		
010 Naming	■		
020 Placement			
020-2 Placement Relative	■		
030 Geometry			
030-6 Geometry Body			
030-6-5 Geometry Explicit	■		
408 IfcElementAssembly		*company statement*	*RandomMEP-X1 / 2x3*
001 GUIDs	■		
010 Naming	■		
020 Placement			
020-2 Placement Relative	■		
100 Element Aggregation			
100-1 Element Composition	■	This test case does not contain nested assemblies.	
100-2 Element Decomposition	■		
General		*company statement*	*RandomMEP-X1 / 2x3*
_G4 Remarks	■		

RandomMEP-X2 / 2x3



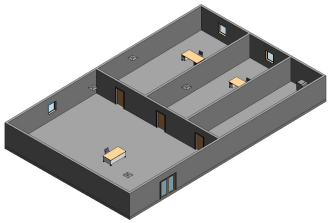
205 IfcFlowController	*company statement*	*RandomMEP-X2 / 2x3*
001 GUIDs	■	
002 History	■	
010 Naming	■	
020 Placement		
020-2 Placement Relative	■	
030 Geometry		
030-6 Geometry Body		
030-6-9 Geometry Mapped	■	
050 CAD Layer	■	
100 Element Aggregation		
100-4 Port Assignment	■	
General	*company statement*	*RandomMEP-X2 / 2x3*
_G4 Remarks	■	

RandomMEP-X3 / 2x3



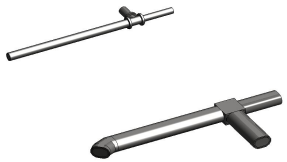
506 IfcGroup	*company statement*	*RandomMEP-X3 / 2x3*
001 GUIDs	■	
010 Naming	■	
130 Grouping		
130-5 Is Group	■	
General	*company statement*	*RandomMEP-X3 / 2x3*
_G4 Remarks	■	

RandomMEP-X4 / 2x3



508 IfcZone	*company statement*	*RandomMEP-X4 / 2x3*
001 GUIDs	■	
002 History	■	
010 Naming	■	
130 Grouping		
130-3 Grouping to Zones	■	
210 Property Set		
210-6 Property Set IFC any	■	
General	*company statement*	*RandomMEP-X4 / 2x3*
_G4 Remarks	■	

RandomMEP-X5 / 2x3



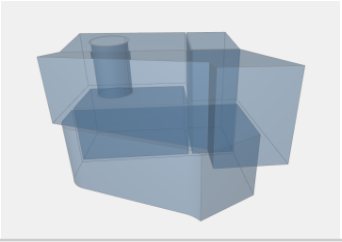
206 IfcFlowFitting	*company statement*	*RandomMEP-X5 / 2x3*
001 GUIDs	■	
020 Placement		
020-2 Placement Relative	■	
030 Geometry		
030-6 Geometry Body		
030-6-9 Geometry Mapped	■	
200 Material		
200-1 Single Material	■	

208 IfcFlowSegment	*company statement*	*RandomMEP-X5 / 2x3*
001 GUIDs	■	
020 Placement		
020-2 Placement Relative	■	
030 Geometry		
030-6 Geometry Body		
030-6-1 Geometry SweptSolid	■	
200 Material		
200-1 Single Material	■	

■ Supported ■ Restricted ■ Not Supported

300 Type			
300-1 Type Geometry		In this test case, all of the IfcFlowSegments have swept solid or BRep geometry; the types do not contain the geometry.	
300-3 Type Material		In this test case, all of the IfcFlowSegments have swept solid or BRep geometry; the types do not contain the material information.	
303 IfcCovering		*company statement*	*RandomMEP-X5 / 2x3*
001 GUIDs			
020 Placement			
020-2 Placement Relative			
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid			
030-6-5 Geometry Explicit			
050 CAD Layer			
200 Material			
200-1 Single Material			
300 Type			
300-1 Type Geometry		Revit does not currently support IfcCoveringType.	
300-3 Type Material		Revit does not currently support IfcCoveringType.	
General		*company statement*	*RandomMEP-X5 / 2x3*
_G4 Remarks			

Space_01MEP / 2x3

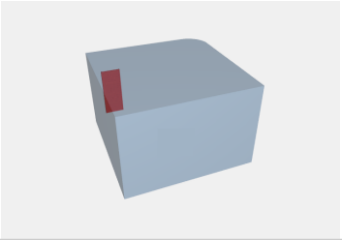


111 IfcBuildingElementProxy	*company statement*	*Space_01MEP / 2x3*
010 Naming		
020 Placement		
020-2 Placement Relative		
030 Geometry		
030-6 Geometry Body		
030-6-1 Geometry SweptSolid		
210 Property Set		
210-2 Property Set IFC any		
505 IfcSpace	*company statement*	*Space_01MEP / 2x3*
001 GUIDs		
002 History		
010 Naming		
020 Placement		
020-2 Placement Relative		
030 Geometry		
030-6 Geometry Body		
030-6-1 Geometry SweptSolid		
030-6-2 Geometry Clipping	In this test case, geometry that may have been exported as clipped geometry was instead exported as BRep geometry.	

Supported Restricted Not Supported

040 Presentation		
040-1 Geometric Presentation	Revit does not have color information assigned to IfcSpace, as spaces in Revit do not have a visible 3D representation.	
050 CAD Layer		
150 Spatial Aggregation		
150-1 Spatial Composition		
210 Property Set		
210-6 Property Set IFC any		
General	*company statement*	*Space_01MEP / 2x3*
_G4 Remarks		

UnitTest-01MEP / 2x3



501 IfcProject	*company statement*	*UnitTest-01MEP / 2x3*
005 Project Units		
005-1 Project Metric Units	Revit 2013 does not support Radians as a unit of plane angle measure, so a Radians test case could not be created.	
005-2 Project Imperial Units	Revit 2013 does not support Radians as a unit of plane angle measure, so a Radians test case could not be created.	

General	*company statement*	*UnitTest-01MEP / 2x3*
_G4 Remarks	Revit 2013 does not support Radians as a unit of plane angle measure, so a Radians test case could not be created.	