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Introduction

EdiLus is the structural analysis software, based on BIM technology, for design needs with regard to reinforced concrete, masonry, steel and timber structures.

It is the modular structural analysis software solution that addresses structural calculations of buildings with its own integrated FEM solver in order to create detailed working drawings and documentation. The model input in Edilus is accomplished using 3D objects that represent the structural members such as beams, columns, walls, slabs, etc. A simple drawing of the structure is sufficient to provide the necessary data input for the FEM solver with nodes, loads and constraints.

Edilus has the ability to import IFC files: this feature is continuously updated. The import is handled in a specific editor functionality that allows the inspection of all the relationships and properties contained in the model. It allows then analysis and navigation of the entities via filters, selection and color changing. Coordination View (Surface Geometry) and the Quantity Take-Off addon view are also supported. From version 41.00 named "Edilus BIM", the software is certified for CV2.0 Import. All Edilus capabilities, including those relating to IFC, are clearly illustrated in special videos and online help tutorials. The end-user is also supported by dedicated online support and forums.

Testlist

Name test	concepts total	manually checked
BeamColumn 04 / 2x3	47	47
Beam_01 / 2x3	10	10
Beam_02 / 2x3	12	12
Column 01 / 2x3	11	11
Column_02 / 2x3	6	6
CoveringFurnishing-01 / 2x3	57	57
CurtainWall-01 / 2x3	29	29
Door 01 / 2x3	22	22
DoorWindow-02 / 2x3	11	11
Member 01A / 2x3	10	10
Member_01S / 2x3	10	10
Pile 01 / 2x3	19	19
PlateFastener-01 / 2x3	67	67
Reinforcement-01 / 2x3	94	94
Roof 01 / 2x3	15	15
Roof 02 / 2x3	12	12
Site 01 / 2x3	14	14
Site 02 / 2x3	13	13
Slab 01A / 2x3	9	9
Slab 02A / 2x3	24	24
Space 01A / 2x3	12	12
Space_01MEP / 2x3	15	15
StairSlab-01 / 2x3	19	19
UnitTest-01S / 2x3	3	3
Wall 01 / 2x3	19	19
Wall 02 / 2x3	14	14



Supported



Restricted

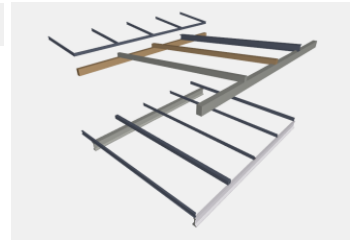


Not Supported

Name test	concepts total	manually checked
WallStandardCase 01A / 2x3	15	15
WallStandardCase 03S / 2x3	8	8
Window 01 / 2x3	22	22

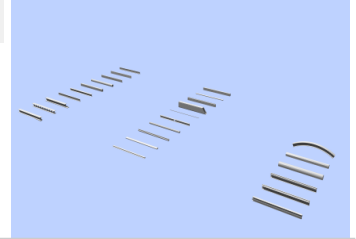
Concepts

Beam_01 / 2x3



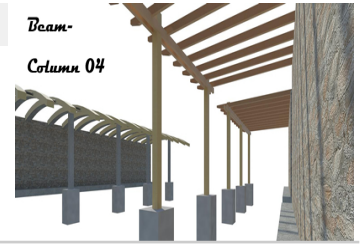
103 IfcBeam	company statement		Beam_01 / 2x3
010 Naming		■	
020 Placement			
020-2 Placement Relative		■	
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid		■	
030-6-2 Geometry Clipping		■	
040 Presentation			
040-1 Geometric Presentation		■	
040-2 Material Presentation		■	
120 Spatial 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	■		
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	■	None of the tested files contained this concept but it is supported	
070-2 Voiding Geometry Mapped	■	None of the tested files contained this concept but it is supported	
070-3 Voiding Geometry SweptSolid	■		
120 Spatial Containment	■		
200 Material			
200-1 Single Material	■		
General	company statement		Beam_02 / 2x3
_G4 Remarks	■		

BeamColumn 04 / 2x3



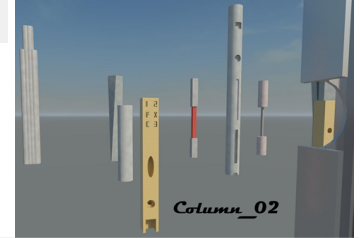
103 IfcBeam	company statement	
001 GUIDs	■	
002 History	■	
010 Naming	■	
020 Placement		
020-2 Placement Relative	■	
030 Geometry		
030-6 Geometry Body		
030-6-1 Geometry SweptSolid	■	
030-6-9 Geometry Mapped	■	
070 Voiding		
070-1 Voiding Geometry Explicit	■	None of the tested files contained this concept but it is supported.
070-2 Voiding Geometry Mapped	■	None of the tested files contained this concept but it is supported.
070-3 Voiding Geometry SweptSolid	■	
130 Grouping		
130-1 Grouping General	■	
200 Material		
200-1 Single Material	■	

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	■	
104 IfcColumn	company statement BeamColumn 04 / 2x3	
001 GUIDs	■	
002 History	■	
010 Naming	■	
020 Placement		
020-2 Placement Relative	■	
030 Geometry		
030-6 Geometry Body		
030-6-1 Geometry SweptSolid	■	
030-6-9 Geometry Mapped	■	
070 Voiding		
070-1 Voiding Geometry Explicit	■	None of the tested files contained this concept but it is supported.
070-2 Voiding Geometry Mapped	■	None of the tested files contained this concept but it is supported.
070-3 Voiding Geometry SweptSolid	■	
130 Grouping		
130-1 Grouping General	■	

200 Material	
200-1 Single Material	■
210 Property Set	
210-2 Property Set IFC any	■
300 Type	
300-1 Type Geometry	■
300-2 Type Naming	■
300-3 Type Material	■
300-5 Type Property Set	■
403 IfcFooting	<i>company statement</i>
	<i>BeamColumn 04 / 2x3</i>
001 GUIDs	■
002 History	■
010 Naming	■
020 Placement	
020-1 Placement Relative	■
030 Geometry	
030-6 Geometry Body	
030-6-1 Geometry SweptSolid	■
030-6-9 Geometry Mapped	■
130 Grouping	
130-1 Grouping General	■
200 Material	
200-1 Single Material	■
210 Property Set	
210-2 Property Set IFC any	■

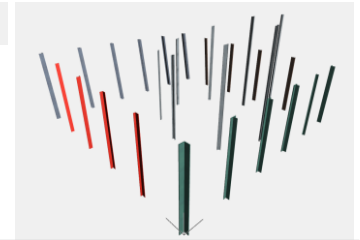
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300-1 Type Geometry	None of the tested files contained this concept but it is supported.
300-2 Type Naming	None of the tested files contained this concept but it is supported.
300-3 Type Material	None of the tested files contained this concept but it is supported.
300-5 Type Property Set	None of the tested files contained this concept but it is supported.
General	<i>company statement</i>
_G4 Remarks	

Column_02 / 2x3



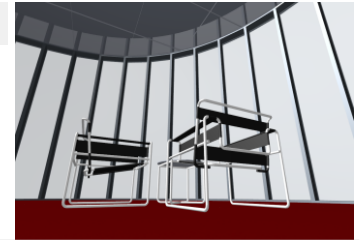
104 IfcColumn		company statement	Column_02 / 2x3
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid		■	
030-6-5 Geometry Explicit		■	
070 Voiding			
070-1 Voiding Geometry Explicit		■	
070-2 Voiding Geometry Mapped		■	None of the tested files contained this concept but it is supported
070-3 Voiding Geometry SweptSolid		■	
General		company statement	Column_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	■		

CoveringFurnishing-01 / 2x3



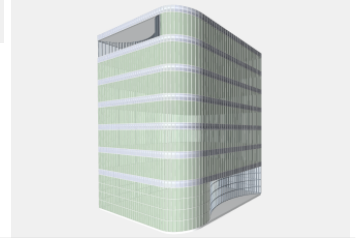
210 IfcFlowTerminal	company statement		CoveringFurnishing-01 / 2x3
001 GUIDs		■	
010 Naming		■	
020 Placement			
020-2 Placement Relative		■	
030 Geometry			
030-6 Geometry Body			
030-6-5 Geometry Explicit		■	
030-6-9 Geometry Mapped		■	
040 Presentation			
040-1 Geometric Presentation		■	
050 CAD Layer		■	
120 Spatial Containment		■	
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	■ None of the tested files contained this concept but it is supported.
040 Presentation	
040-1 Geometric Presentation	■
050 CAD Layer	■
070 Voiding	
120 Spatial Containment	■
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	■	
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	■	

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	■	None of the tested files contained this concept but it is supported.
030-6 Geometry Body		
030-6-1 Geometry SweptSolid	■	
120 Spatial Containment	■	
130 Grouping		
130-3 Grouping to Zones	■	
230 Classification	■	
508 IfcZone	company statement CoveringFurnishing-01 / 2x3	
001 GUIDs	■	
002 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

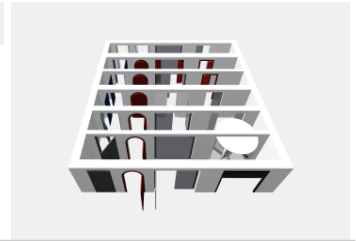


109 IfcCurtainWall	company statement		CurtainWall-01 / 2x3
001 GUIDs		■	
002 History		■	
010 Naming		■	
020 Placement			
020-1 Placement Relative		■	
030 Geometry			
030-6 Geometry Body			
030-6-5 Geometry Explicit		■	
030-9 Geometry By Components		■	
040 Presentation			
040-1 Geometric Presentation		■	
050 CAD Layer		■	
100 Element Aggregation			
100-2 Element Decomposition		■	
120 Spatial Containment		■	
200 Material			
200-1 Single Material		■	
200-5 Material List		■	

210 Property Set		
210-1 Property Set IFC Common	■	
210-3 Property Set User Defined	■	
300 Type		
300-1 Type Geometry	■	None of the tested files contained this concept but it is supported
300-2 Type Naming	■	
300-3 Type Material	■	None of the tested files contained this concept but it is supported
300-5 Type Property Set	■	
501 IfcProject		<i>company statement</i> CurtainWall-01 / 2x3
010 Naming	■	
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	■	
General		<i>company statement</i>
_G4 Remarks	■	

Door 01 / 2x3



302 IfcDoor	company statement		Door 01 / 2x3
001 GUIDs		■	
002 History		■	
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		■	

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	■	None of the tested files contained this concept but it is supported.
300-5 Type Property Set	■	
300-6 Type Predefined Properties		
300-6-1 Type Predefined Properties Door	■	
General	company statement	
_G4 Remarks	■	

Door 01 / 2x3

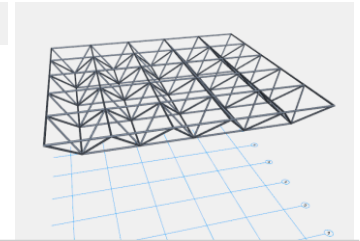
DoorWindow-02 / 2x3



301 IfcWindow	company statement		DoorWindow-02 / 2x3
001 GUIDs	■		
020 Placement			
020-2 Placement Relative	■		
030 Geometry			
030-6 Geometry Body			
030-6-5 Geometry Explicit	■		
080 Filling			
080-2 Is Filling	■		
300 Type			
300-1 Type Geometry	■		
302 IfcDoor	company statement		DoorWindow-02 / 2x3
001 GUIDs	■		
020 Placement			
020-2 Placement Relative	■		
030 Geometry			
030-6 Geometry Body			
030-6-5 Geometry Explicit	■		
080 Filling			
080-2 Is Filling	■		

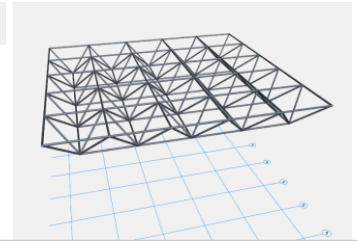
300 Type		
300-1 Type Geometry		
General	<i>company statement</i>	<i>DoorWindow-02 / 2x3</i>
_G4 Remarks		

Member_01S / 2x3



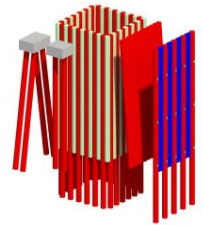
401 IfcMember	company statement		Member_01S / 2x3
010 Naming	■		
020 Placement			
020-2 Placement Relative	■		
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid	■		
030-6-2 Geometry Clipping	■	None of the tested files contained this concept but it is supported.	
110 Connectivity			
110-1 Connectivity Basic	■		
110-3 Connectivity Realization			
110-3-1 Connectivity Realized	■	None of the tested files contained this concept but it is supported.	
120 Spatial Containment	■		
200 Material			
200-1 Single Material	■		
300 Type			
300-1 Type Geometry	■	None of the tested files contained this concept but it is supported.	
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	■		

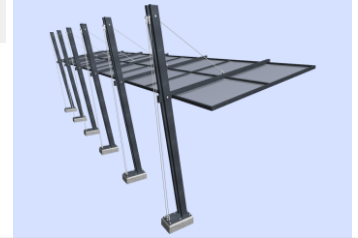
Pile 01 / 2x3



404 IfcPile	company statement		Pile 01 / 2x3
001 GUIDs		■	
002 History		■	
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	None of the tested files contained this concept but it is supported.
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	■		
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	■		
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid	■		
030-6-9 Geometry Mapped	■		
100 Element Aggregation			
100-2 Element Decomposition	■	None of the tested files contained this concept but it is supported.	
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	■	None of the tested files contained this concept but it is supported.
401 IfcMember	company statement PlateFastener-01 / 2x3	
001 GUIDs	■	
002 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	■	None of the tested files contained this concept but it is supported.
300-5 Type Property Set	■	None of the tested files contained this concept but it is supported.
402 IfcPlate	company statement PlateFastener-01 / 2x3	

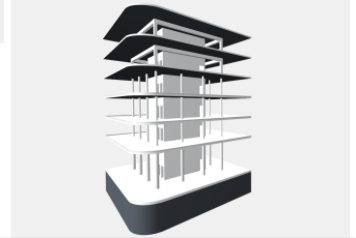
001 GUIDs		
002 History		
010 Naming		
020 Placement		
020-2 Placement Relative		
030 Geometry		
030-6 Geometry Body		
030-6-1 Geometry SweptSolid		
030-6-2 Geometry Clipping		None of the tested files contained this concept but it is supported.
030-6-5 Geometry Explicit		
040 Presentation		
040-1 Geometric Presentation		
050 CAD Layer		
070 Voiding		
070-3 Voiding Geometry SweptSolid		None of the tested files contained this concept but it is supported.
120 Spatial Containment		
200 Material		
200-2 Material Layer Set		None of the tested files contained this concept but it is 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	■	None of the tested files contained this concept but it is supported.
403 IfcFooting	company statement PlateFastener-01 / 2x3	
030 Geometry		
030-6 Geometry Body		
030-6-1 Geometry SweptSolid	■	None of the tested files contained this concept but it is supported.
030-6-2 Geometry Clipping	■	None of the tested files contained this concept but it is supported.
405 IfcFastener	company statement PlateFastener-01 / 2x3	
010 Naming	■	None of the tested files contained this concept but it is supported.
020 Placement		
020-2 Placement Relative	■	None of the tested files contained this concept but it is supported.
030 Geometry		
030-2 Geometry Axis	■	None of the tested files contained this concept but it is supported.
406 IfcMechanicalFastener	company statement PlateFastener-01 / 2x3	
001 GUIDs	■	
002 History	■	
010 Naming	■	
020 Placement		
020-2 Placement Relative	■	

030 Geometry		
030-6 Geometry Body		
030-6-1 Geometry SweptSolid	■	None of the tested files contained this concept but it is supported.
030-6-5 Geometry Explicit	■	None of the tested files contained this concept but it is supported.
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	■	
300-3 Type Material	■	
300-5 Type Property Set	■	
General	company statement	
_G4 Remarks	■	

PlateFastener-01 / 2x3

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		None of the tested files contained this concept but it is supported.
010 Naming		None of the tested files contained this concept but it is supported.
020 Placement		
020-2 Placement Relative		None of the tested files contained this concept but it is supported.

030 Geometry	
030-6 Geometry Body	
030-6-5 Geometry Explicit	 None of the tested files contained this concept but it is supported.
030-6-9 Geometry Mapped	 None of the tested files contained this concept but it is supported.
040 Presentation	
040-1 Geometric Presentation	 None of the tested files contained this concept but it is supported.
050 CAD Layer	 None of the tested files contained this concept but it is supported.
120 Spatial Containment	 None of the tested files contained this concept but it is supported.
200 Material	
200-1 Single Material	 None of the tested files contained this concept but it is supported.
210 Property Set	
210-9 Property Set User Defined	 None of the tested files contained this concept but it is supported.
300 Type	
300-1 Type Geometry	 None of the tested files contained this concept but it is supported.
300-2 Type Naming	 None of the tested files contained this concept but it is supported.
300-3 Type Material	 None of the tested files contained this concept but it is supported.
300-5 Type Property Set	 None of the tested files contained this concept but it is supported.
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		None of the tested files contained this concept but it is supported.
100 Element Aggregation		
100-2 Element Decomposition		
120 Spatial Containment		
210 Property Set		
210-9 Property Set User Defined		None of the tested files contained this concept but it is supported.
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		None of the tested files contained this concept but it is supported
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		
300-3 Type Material		None of the tested files contained this concept but it is supported
300-5 Type Property Set		
410 IfcReinforcingMesh	company statementReinforcement-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		None of the tested files contained this concept but it is supported.
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	■	
300-3 Type Material	■	None of the tested files contained this concept but it is supported.
300-5 Type Property Set	■	
501 IfcProject		company statement Reinforcement-01 / 2x3
001 GUIDs	■	
002 History	■	
005 Project Units		
005-1 Project Metric Units	■	
008 Representation Context		
008-1 Representation Main Context	■	
008-2 Representation Sub Context		
008-2-2 Representation Sub Context 3D	■	
010 Naming	■	
150 Spatial Aggregation		
150-2 Spatial Decomposition	■	
503 IfcBuilding		company statement Reinforcement-01 / 2x3
001 GUIDs	■	
002 History	■	
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		<i>company statement</i> Reinforcement-01 / 2x3
001 GUIDs	■	
002 History	■	
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		<i>company statement</i> Reinforcement-01 / 2x3
_G4 Remarks	■	

Roof 01 / 2x3

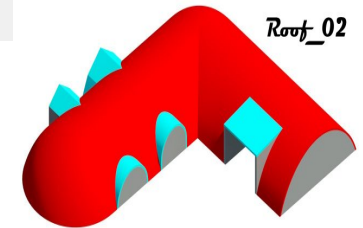


101 IfcWallStandardCase	company statement		Roof 01 / 2x3
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid			
030-6-2 Geometry Clipping			
105 IfcSlab	company statement		Roof 01 / 2x3
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid		None of the tested files contained this concept but it is supported.	
030-6-2 Geometry Clipping			
030-6-9 Geometry Mapped		None of the tested files contained this concept but it is supported.	
070 Voiding			
070-3 Voiding Geometry SweptSolid		None of the tested files contained this concept but it is supported.	
080 Filling			
080-1 Has Filling			
080-1-2 Has Filling Window		None of the tested files contained this concept but it is supported.	
200 Material			
200-2 Material Layer Set			
110 IfcRoof	company statement		Roof 01 / 2x3
030 Geometry			
030-1 Geometry Box			

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

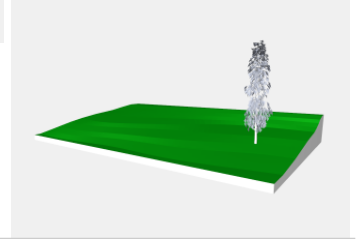
Roof 02 / 2x3



101 IfcWallStandardCase		company statement	Roof 02 / 2x3
010 Naming	■		
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid	■		
030-6-2 Geometry Clipping	■		
050 CAD Layer	■		
110 IfcRoof		company statement	Roof 02 / 2x3
010 Naming	■		
020 Placement			
020-2 Placement Relative	■		
030 Geometry			
030-6 Geometry Body			
030-6-5 Geometry Explicit	■		
050 CAD Layer	■		
100 Element Aggregation			
100-2 Element Decomposition	■		
210 Property Set			
210-1 Property Set IFC Common	■		
210-3 Property Set User Defined	■		

General	company statement	Roof 02 / 2x3
_G4 Remarks		

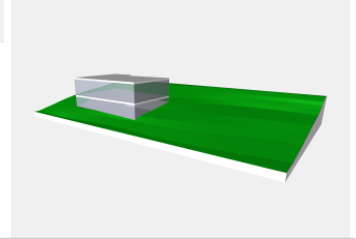
Site 01 / 2x3



502 IfcSite	company statement		Site 01 / 2x3
001 GUIDs		■	
002 History		■	
010 Naming		■	
020 Placement			
020-1 Placement Absolute		■	
030 Geometry			
030-1 Geometry Box		■	
030-3 Geometry FootPrint		■	
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		■	
120 Spatial Containment		■	
210 Property Set			
210-1 Property Set IFC Common		■	

General	company statement	Site 01 / 2x3
_G4 Remarks		

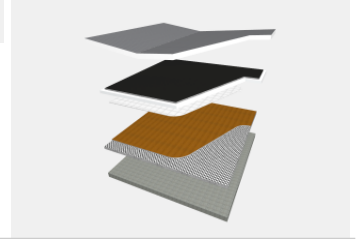
Site 02 / 2x3



502 IfcSite	company statement		Site 02 / 2x3
010 Naming	■		
020 Placement			
020-1 Placement Absolute	■		
030 Geometry			
030-3 Geometry FootPrint	■		
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	■		
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	■		

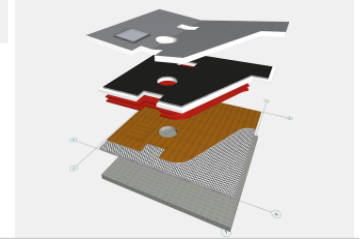
210 Property Set		
210-1 Property Set IFC Common		
General	company statement	Site 02 / 2x3
_G4 Remarks		

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 02A / 2x3

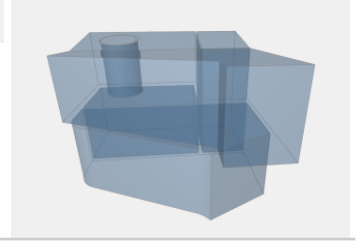


105 IfcSlab	company statement		Slab 02A / 2x3
010 Naming	■		
020 Placement			
020-2 Placement Relative	■		
030 Geometry			
030-1 Geometry Box	■		
030-6 Geometry Body			
030-6-1 Geometry SweptSolid	■		
030-6-2 Geometry Clipping	■		
030-6-5 Geometry Explicit	■		
030-6-9 Geometry Mapped	■		
070 Voiding			
070-1 Voiding Geometry Explicit	■		
070-2 Voiding Geometry Mapped	■	None of the tested files contained this concept but it is supported.	
070-3 Voiding Geometry SweptSolid	■		
080 Filling			
080-1 Has Filling			
080-1-1 Has Filling Door	■		
080-1-2 Has Filling Window	■		
120 Spatial Containment	■		

130 Grouping		
130-1 Grouping General	■	
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	■	None of the tested files contained this concept but it is supported.
300-2 Type Naming	■	
300-3 Type Material	■	
300-5 Type Property Set	■	
General		company statement
_G4 Remarks	■	

Slab 02A / 2x3

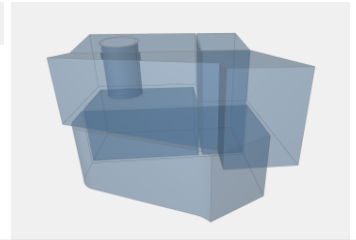
Space_01MEP / 2x3



111 IfcBuildingElementProxy		<i>company statement</i>	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		<i>company statement</i>	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	■		

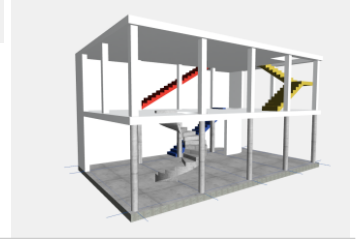
040 Presentation	
040-1 Geometric Presentation	■
050 CAD Layer	■
150 Spatial Aggregation	
150-1 Spatial Composition	■
210 Property Set	
210-6 Property Set IFC any	■
General	<i>company statement</i> <i>Space_01MEP / 2x3</i>
_G4 Remarks	■

Space 01A / 2x3



505 IfcSpace	company statement		Space 01A / 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		■	
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

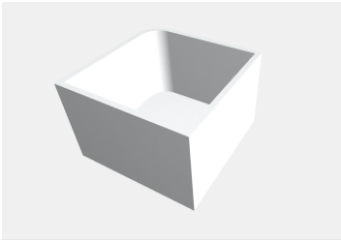


105 IfcSlab	company statement		StairSlab-01 / 2x3
001 GUIDs	■		
002 History	■		
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid	■		
040 Presentation			
040-1 Geometric Presentation	■		
040-2 Material Presentation	■		
070 Voiding			
070-3 Voiding Geometry SweptSolid	■		
106 IfcStair	company statement		StairSlab-01 / 2x3
001 GUIDs	■		
002 History	■		
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	■

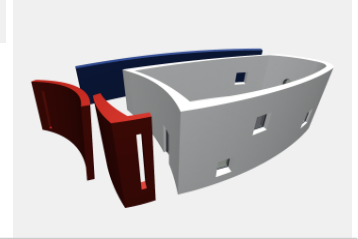
StairSlab-01 / 2x3

UnitTest-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	■		

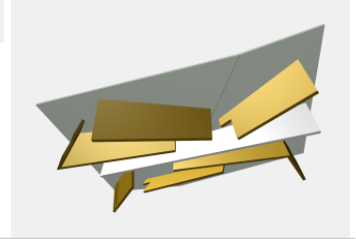
Wall 01 / 2x3



102 IfcWall	company statement		Wall 01 / 2x3
002 History		■	
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	■	None of the tested files contained this concept but it is supported.
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

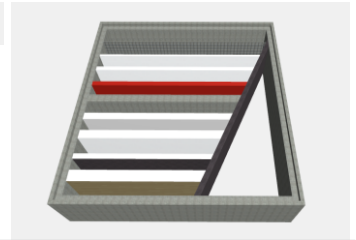


102 IfcWall	company statement		Wall 02 / 2x3
010 Naming	■		
020 Placement			
020-2 Placement Relative	■		
030 Geometry			
030-2 Geometry Axis	■		
030-6 Geometry Body			
030-6-1 Geometry SweptSolid	■		
030-6-2 Geometry Clipping	■		
030-6-5 Geometry Explicit	■		
050 CAD Layer	■		
070 Voiding			
070-1 Voiding Geometry Explicit	■	None of the tested files contained this concept but it is supported.	
070-3 Voiding Geometry SweptSolid	■		
120 Spatial Containment	■		
130 Grouping			
130-1 Grouping General	■		
200 Material			
200-3 Material Layer Set	■		

300 Type		
300-2 Type Naming	■	
General		company statement
_G4 Remarks	■	

Wall 02 / 2x3

WallStandardCase 01A / 2x3

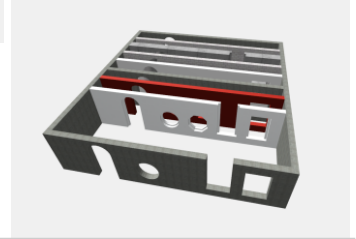


101 IfcWallStandardCase	company statement		WallStandardCase 01A / 2x3
010 Naming		■	
020 Placement			
020-2 Placement Relative		■	
030 Geometry			
030-2 Geometry Axis		■	
030-6 Geometry Body			
030-6-1 Geometry SweptSolid		■	
030-6-2 Geometry Clipping		■	
040 Presentation			
040-1 Geometric Presentation		■	
040-2 Material Presentation		■	
050 CAD Layer		■	
110 Connectivity			
110-2 Connectivity Path		■	
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	
_G4 Remarks	■	

WallStandardCase 01A / 2x3

WallStandardCase 03S / 2x3



101 IfcWallStandardCase	company statement		WallStandardCase 03S / 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		■	
120 Spatial Containment		■	
General	company statement		WallStandardCase 03S / 2x3
_G4 Remarks		■	

Window 01 / 2x3



301 IfcWindow	company statement		Window 01 / 2x3
001 GUIDs	■		
002 History	■		
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	■		

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	None of the tested files contained this concept but it is supported.
300-5 Type Property Set	
300-6 Type Predefined Properties	
300-6-1 Type Predefined Properties Window	
General	<i>company statement</i>
_G4 Remarks	