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Testlist

Concepts

Introduction

CerTus-HSBIM - BIM software for Health and Safety on a Construction Site implying 3D modelling, 4D planning, real-time (RT) and virtual reality (VR) navigation of the construction site.

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

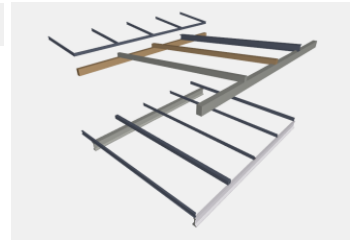


Not Supported

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

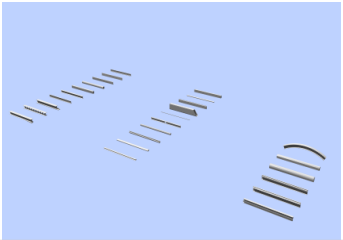
Concepts

Beam_01 / 2x3



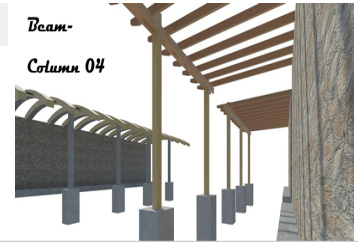
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020 Placement			
020-2 Placement Relative	■		
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid	■		
030-6-2 Geometry Clipping	■		
040 Presentation			
040-1 Geometric Presentation	■		
040-2 Material Presentation	■		
120 Spatial Containment	■		
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	■		
070-2 Voiding Geometry Mapped	■		
070-3 Voiding Geometry SweptSolid	■		
120 Spatial Containment	■		
200 Material			
200-1 Single Material	■		
General	company statement		Beam_02 / 2x3
_G4 Remarks	■		

BeamColumn 04 / 2x3



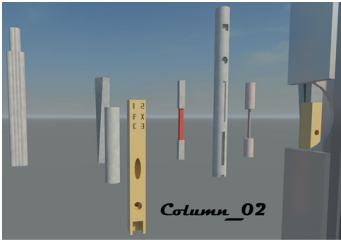
103 IfcBeam	<i>company statement</i>
001 GUIDs	■
<i>002 History</i>	■
010 Naming	■
020 Placement	
020-2 Placement Relative	■
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030-6 Geometry Body	
030-6-1 Geometry SweptSolid	■
030-6-9 Geometry Mapped	■
070 Voiding	
070-1 Voiding Geometry Explicit	■
070-2 Voiding Geometry Mapped	■
070-3 Voiding Geometry SweptSolid	■
130 Grouping	
<i>130-1 Grouping General</i>	■
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	<i>company statement</i>
	<i>BeamColumn 04 / 2x3</i>
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	■
070-2 Voiding Geometry Mapped	■
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	■

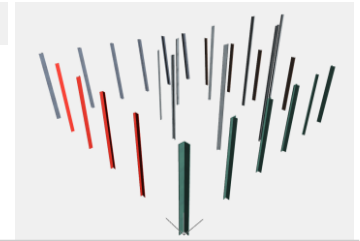
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300-2 Type Naming	■	
300-3 Type Material	■	
300-5 Type Property Set	■	
General	company statement	
_G4 Remarks	■	

Column_02 / 2x3



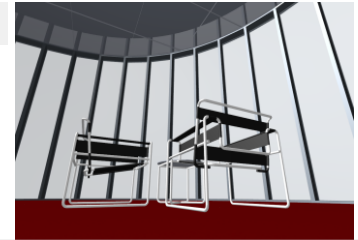
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030-6 Geometry Body			
030-6-1 Geometry SweptSolid	■		
030-6-5 Geometry Explicit	■		
070 Voiding			
070-1 Voiding Geometry Explicit	■		
070-2 Voiding Geometry Mapped	■		
070-3 Voiding Geometry SweptSolid	■		
General	company statement		Column_02 / 2x3
_G4 Remarks	■		

Column 01 / 2x3



104 IfcColumn	company statement		Column 01 / 2x3
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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



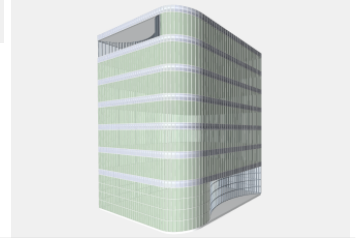
210 IfcFlowTerminal	company statement		CoveringFurnishing-01 / 2x3
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030-6 Geometry Body			
030-6-5 Geometry Explicit		■	
030-6-9 Geometry Mapped		■	
040 Presentation			
040-1 Geometric Presentation		■	
050 CAD Layer		■	
120 Spatial Containment		■	
210 Property Set			
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210-6 Property Set IFC any		■	
210-9 Property Set User Defined		■	

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300-2 Type Naming	■
300-3 Type Material	■
300-5 Type Property Set	■
303 IfcCovering	company statement CoveringFurnishing-01 / 2x3
010 Naming	■
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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	■
200 Material	
200-1 Single Material	■
200-3 Material Layer Set	■
210 Property Set	
210-1 Property Set IFC Common	■

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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	■	
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

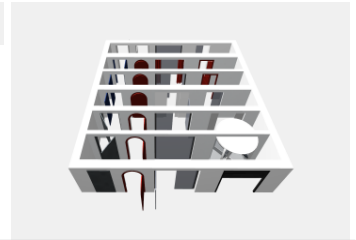


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002 History		■	
010 Naming		■	
020 Placement			
020-1 Placement Relative		■	
030 Geometry			
030-6 Geometry Body			
030-6-5 Geometry Explicit		■	
030-9 Geometry By Components		■	
040 Presentation			
040-1 Geometric Presentation		■	
050 CAD Layer		■	
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	■	
300-2 Type Naming	■	
300-3 Type Material	■	
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	company statement	CurtainWall-01 / 2x3
_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	■
300-5 Type Property Set	■
300-6 Type Predefined Properties	
300-6-1 Type Predefined Properties Door	■
General	company statement
_G4 Remarks	■

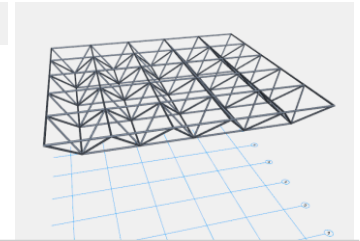
DoorWindow-02 / 2x3



301 IfcWindow	company statement		DoorWindow-02 / 2x3
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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	■		

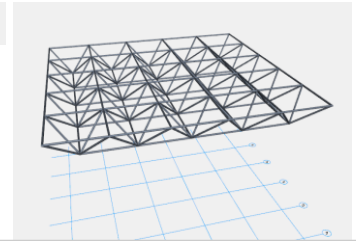
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General	company statement	DoorWindow-02 / 2x3
_G4 Remarks		

Member_01S / 2x3



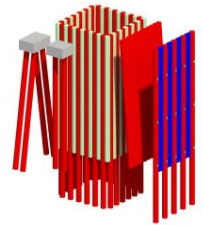
401 IfcMember	company statement		Member_01S / 2x3
010 Naming	■		
020 Placement			
020-2 Placement Relative	■		
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid	■		
030-6-2 Geometry Clipping	■		
110 Connectivity			
110-1 Connectivity Basic	■		
110-3 Connectivity Realization			
110-3-1 Connectivity Realized	■		
120 Spatial Containment	■		
200 Material			
200-1 Single Material	■		
300 Type			
300-1 Type Geometry	■		
General	company statement		Member_01S / 2x3
_G4 Remarks	■		

Member 01A / 2x3



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

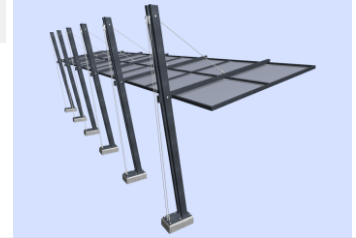
Pile 01 / 2x3



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	■
300-5 Type Property Set	■
General	company statement
_G4 Remarks	■

PlateFastener-01 / 2x3



103 IfcBeam	company statement		PlateFastener-01 / 2x3
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002 History		■	
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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		■	
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030-6 Geometry Body			
030-6-1 Geometry SweptSolid		■	
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100-2 Element Decomposition		■	
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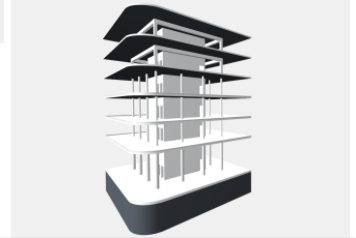
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300-5 Type Property Set	■	
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001 GUIDs	■	
002 History	■	
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020-2 Placement Relative	■	
030 Geometry		
030-6 Geometry Body		
030-6-1 Geometry SweptSolid	■	
030-6-9 Geometry Mapped	■	
040 Presentation		
040-1 Geometric Presentation	■	
050 CAD Layer	■	
210 Property Set		
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210-3 Property Set User Defined	■	
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300-3 Type Material	■	
300-5 Type Property Set	■	
402 IfcPlate	company statement PlateFastener-01 / 2x3	

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002 History	■
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020-2 Placement Relative	■
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030-6 Geometry Body	
030-6-1 Geometry SweptSolid	■
030-6-2 Geometry Clipping	■
030-6-5 Geometry Explicit	■
040 Presentation	
040-1 Geometric Presentation	■
050 CAD Layer	■
070 Voiding	
070-3 Voiding Geometry SweptSolid	■
120 Spatial Containment	■
200 Material	
200-2 Material Layer Set	■
210 Property Set	
210-1 Property Set IFC Common	■
210-3 Property Set User Defined	■

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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	■	
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	■
030-6-5 Geometry Explicit	■
030-6-9 Geometry Mapped	■
040 Presentation	
040-1 Geometric Presentation	■
050 CAD Layer	■
120 Spatial Containment	■
200 Material	
200-1 Single Material	■
210 Property Set	
210-6 Property Set IFC any	■
210-9 Property Set User Defined	■
300 Type	
300-1 Type Geometry	■
300-2 Type Naming	■
300-3 Type Material	■
300-5 Type Property Set	■
General	company statement
_G4 Remarks	■

Reinforcement-01 / 2x3



101 IfcWallStandardCase		company statement	Reinforcement-01 / 2x3
020 Placement			
020-2 Placement Relative		■	
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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		<i>company statement</i> 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		<i>company statement</i> 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		<i>company statement</i> Reinforcement-01 / 2x3
001 GUIDs		
010 Naming		
020 Placement		
020-2 Placement Relative		

030 Geometry	
030-6 Geometry Body	
030-6-5 Geometry Explicit	■
030-6-9 Geometry Mapped	■
040 Presentation	
040-1 Geometric Presentation	■
050 CAD Layer	■
120 Spatial Containment	■
200 Material	
200-1 Single Material	■
210 Property Set	
210-9 Property Set User Defined	■
300 Type	
300-1 Type Geometry	■
300-2 Type Naming	■
300-3 Type Material	■
300-5 Type Property Set	■
408 IfcElementAssembly	<i>company statement</i>
001 GUIDs	■
010 Naming	■
020 Placement	
020-2 Placement Relative	■
030 Geometry	
030-6 Geometry Body	
030-9 Geometry By Components	■

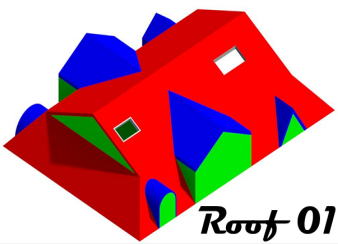
040 Presentation		
040-1 Geometric Presentation	■	
050 CAD Layer	■	
100 Element Aggregation		
100-2 Element Decomposition	■	
120 Spatial Containment	■	
210 Property Set		
210-9 Property Set User Defined	■	
409 IfcReinforcingBar	company statement Reinforcement-01 / 2x3	
001 GUIDs	■	
010 Naming	■	
020 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	■	
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	<i>company statement</i> Reinforcement-01 / 2x3
001 GUIDs	■
010 Naming	■
020 Placement	
020-2 Placement Relative	■
030 Geometry	
030-6 Geometry Body	
030-6-4 Geometry AdvancedSweptSolid	■
030-6-5 Geometry Explicit	■
030-6-9 Geometry Mapped	■
040 Presentation	
040-1 Geometric Presentation	■
050 CAD Layer	■
120 Spatial Containment	■
200 Material	
200-1 Single Material	■
210 Property Set	
210-9 Property Set User Defined	■

300 Type		
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300-2 Type Naming	■	
300-3 Type Material	■	
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

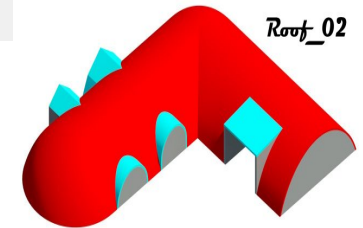


101 IfcWallStandardCase	company statement		Roof 01 / 2x3
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid		■	
030-6-2 Geometry Clipping		■	
105 IfcSlab	company statement		Roof 01 / 2x3
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid		■	
030-6-2 Geometry Clipping		■	
030-6-9 Geometry Mapped		■	
070 Voiding			
070-3 Voiding Geometry SweptSolid		■	
080 Filling			
080-1 Has Filling			
080-1-2 Has Filling Window		■	
200 Material			
200-2 Material Layer Set		■	
110 IfcRoof	company statement		Roof 01 / 2x3
030 Geometry			
030-1 Geometry Box		■	

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>
<i>_G4 Remarks</i>	■

Roof 01 / 2x3

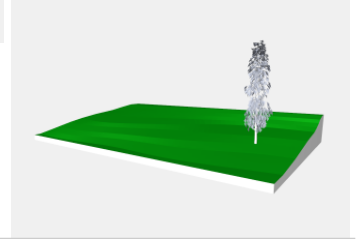
Roof 02 / 2x3



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		

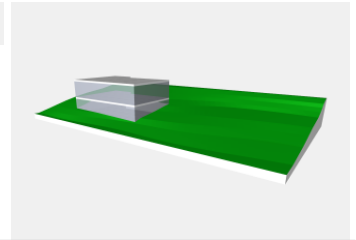
Site 01 / 2x3



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		

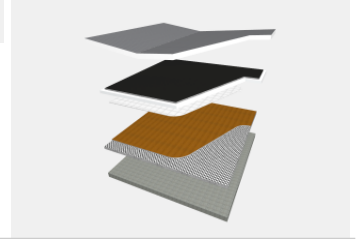
Site 02 / 2x3



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	■		

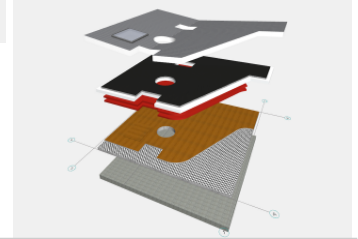
210 Property Set		
210-1 Property Set IFC Common		
General	company statement	Site 02 / 2x3
_G4 Remarks		

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		■	

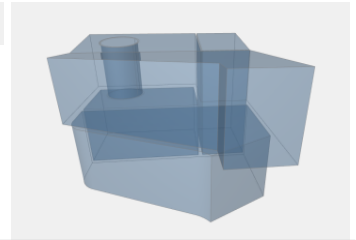
Slab 02A / 2x3



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		■	
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	■
300-2 Type Naming	■
300-3 Type Material	■
300-5 Type Property Set	■
General	company statement
Slab 02A / 2x3	
_G4 Remarks	■

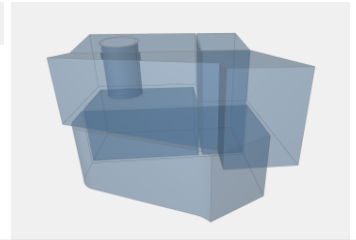
Space_01MEP / 2x3



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	■		

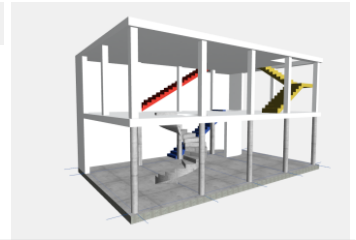
040 Presentation	
040-1 Geometric Presentation	■
050 CAD Layer	■
150 Spatial Aggregation	
150-1 Spatial Composition	■
210 Property Set	
210-6 Property Set IFC any	■
General	company statementSpace_01MEP / 2x3
_G4 Remarks	■

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

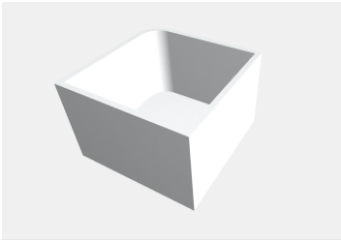


105 IfcSlab	company statement		StairSlab-01 / 2x3
001 GUIDs	■		
002 History	■		
030 Geometry			
030-6 Geometry Body			
030-6-1 Geometry SweptSolid	■		
040 Presentation			
040-1 Geometric Presentation	■		
040-2 Material Presentation	■		
070 Voiding			
070-3 Voiding Geometry SweptSolid	■		
106 IfcStair	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	company statement
_G4 Remarks	■

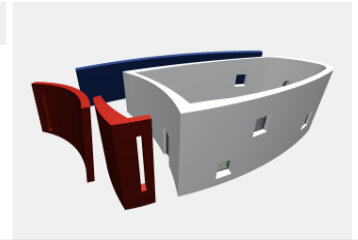
StairSlab-01 / 2x3

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	■		

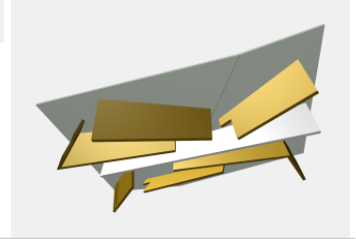
Wall 01 / 2x3



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	■	
300-5 Type Property Set	■	
301 IfcWindow		company statement Wall 01 / 2x3
020 Placement		
020-2 Placement Relative	■	
302 IfcDoor		company statement Wall 01 / 2x3
020 Placement		
020-2 Placement Relative	■	
General		company statement Wall 01 / 2x3
_G4 Remarks	■	

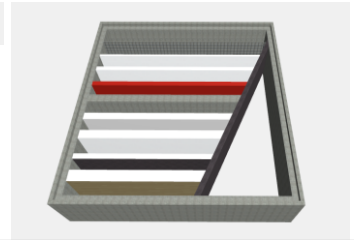
Wall 02 / 2x3



102 IfcWall	company statement		Wall 02 / 2x3
010 Naming		■	
020 Placement			
020-2 Placement Relative		■	
030 Geometry			
030-2 Geometry Axis		■	
030-6 Geometry Body			
030-6-1 Geometry SweptSolid		■	
030-6-2 Geometry Clipping		■	
030-6-5 Geometry Explicit		■	
050 CAD Layer		■	
070 Voiding			
070-1 Voiding Geometry Explicit		■	
070-3 Voiding Geometry SweptSolid		■	
120 Spatial Containment		■	
130 Grouping			
130-1 Grouping General		■	
200 Material			
200-3 Material Layer Set		■	

300 Type			
300-2 Type Naming	■		
General		company statement	Wall 02 / 2x3
_G4 Remarks	■		

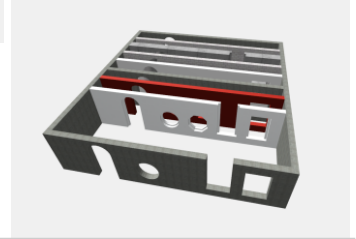
WallStandardCase 01A / 2x3



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		■	
120 Spatial Containment		■	
200 Material			
200-4 Material Layer Usage		■	
210 Property Set			
210-3 Property Set User Defined		■	

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

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	■
300-5 Type Property Set	■
300-6 Type Predefined Properties	
300-6-1 Type Predefined Properties Window	■
General	company statement
_G4 Remarks	■