*CoordinationView 2.0 / Import*

*CV2.0*

***Seokyoung Systems Corp.***

***NaviTouch***

*25/01/2014*

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## Introduction

Purpose

NaviTouch BIM Browser is a Building Information Management Software that enhances Design, Construction, and Building Analysis. It utilized convergence IT with BIM for information - based construciton and expands building support.

Based on BIM design information process technology, NaviTouch BIM Browser displays BIM based architectural information such as design, construction, building maintenance in 3D features. This browser shows desired element’s property information by adjusting view point or location.

Main Functions

- Supports BIM international standard, IFC 2X3.
- Provides property information in 3 types of tree view (Hierarchy/Element/Layer)
- Provides detailed property information of BIM elements.
- Displays in 3D feature of BIM information.
- Additional 3D feature display by user-setting (Basket function)
- Provides 4 types of view mode (Transparent/Solid/Perspective, Orthogonal) for displaying 3D features.
- Save/animation view functions of snapshot images.

NaviTouch BIM Browser can imports IFC elements converted into native objects to display all elements on the screen.

## Testlist

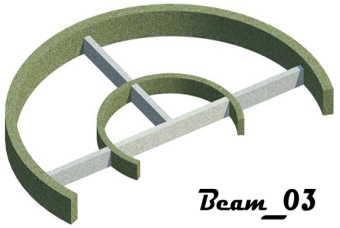
| Name test | concepts total | manually checked | | |
|---|---|---|---|---|
| | | ■ | ■ | ■ |
| BeamColumn 04 / 2x3 | 47 | 38 | | 3 |
| Beam_03 / 2x3 | 6 | 4 | | 1 |
| Column 01 / 2x3 | 11 | 11 | | |
| Door 01 / 2x3 | 22 | 21 | | 1 |
| DoorWindow-02 / 2x3 | 11 | 10 | 1 | |
| DuplexHouse_Heating / 2x3 | 56 | 34 | | 8 |
| DuplexHouse_Sanitary / 2x3 | 52 | 41 | | 8 |
| DuplexHouse_Ventilation / 2x3 | 44 | 33 | | 8 |
| Member_01S / 2x3 | 10 | 8 | | 2 |
| Pile 01 / 2x3 | 19 | 12 | | |
| PlateFastener-01 / 2x3 | 67 | 44 | | 5 |
| RampRailing-01 / 2x3 | 28 | 26 | | 2 |
| RandomArch-X1 AC16 / 2x3 | 53 | 45 | 2 | 6 |
| RandomArch-X2 Allplan2013 / 2x3 | 11 | 11 | | |
| RandomMEP-X2 RME / 2x3 | 8 | 7 | | 1 |
| RandomStruc-X1 Scia / 2x3 | 9 | 9 | | |
| RandomStruc-X5 TS / 2x3 | 13 | 12 | | |
| Roof 01 / 2x3 | 15 | 12 | | |
| Site 02 / 2x3 | 13 | 12 | | 1 |
| Slab 01A / 2x3 | 9 | 9 | | |
| Slab 02A / 2x3 | 24 | 13 | 2 | |
| Space 01A / 2x3 | 12 | 12 | | |
| StairSlab-01 / 2x3 | 19 | 17 | | 2 |
| Wall 02 / 2x3 | 14 | 13 | 1 | |
| WallSlab 03 / 2x3 | 32 | 29 | | 2 |
| WallStandardCase 01A / 2x3 | 15 | 14 | 1 | |

■ Supported ■ Restricted ■ Not Supported

| Name test | concepts total | manually checked | | |
|---|---|---|---|---|
| | | ■ | ■ | ■ |
| Window 01 / 2x3 | 22 | 21 | | 1 |

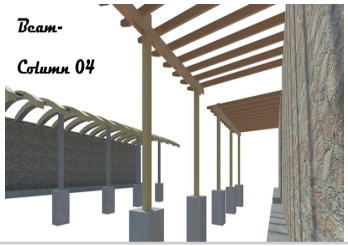
# Concepts

## Beam_03 / 2x3




| | | |
|---|---|---|
| 103 IfcBeam | company statement | Beam_03 / 2x3 |
| 030 Geometry | | |
| *030-1 Geometry Box* | | |
| *030-2 Geometry Axis* | | |
| 030-6 Geometry Body | | |
| 030-6-1 Geometry SweptSolid | | |
| 030-6-2 Geometry Clipping | | |
| 300 Type | | |
| 300-5 Type Property Set | | |
| General | company statement | Beam_03 / 2x3 |
| *_G4 Remarks* | | |

## BeamColumn 04 / 2x3



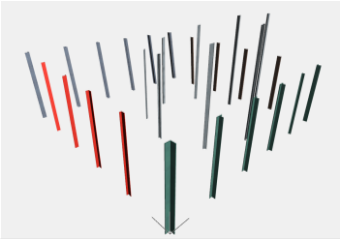

| 103 IfcBeam | company statement | BeamColumn 04 / 2x3 |
|---|---|---|
| 001 GUIDs | | |
| *002 History* | Not in scope of this viewer. | |
| 010 Naming | | |
| 020 Placement | | |
| 020-2 Placement Relative | | |
| 030 Geometry | | |
| 030-6 Geometry Body | | |
| 030-6-1 Geometry SweptSolid | | |
| 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 | | |
| 210-1 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* | Not in scope of this viewer. | |
| 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 | *company statement* | *BeamColumn 04 / 2x3* |
| 001 GUIDs | ■ | |
| *002 History* | ■ Not in scope of this viewer. | |
| 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 | ■ | |

| | | |
|---|---|---|
| 300 Type | | |
| 300-1 Type Geometry | | |
| 300-2 Type Naming | | |
| 300-3 Type Material | | |
| 300-5 Type Property Set | | |
| General | *company statement* | *BeamColumn 04 / 2x3* |
| *_G4 Remarks* | | |

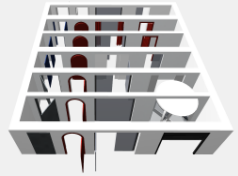
## Column 01 / 2x3



| 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 | Cannot display all Material values of the file exported from AutoCAD. | |
| 210 Property Set | | |
| 210-1 Property Set IFC Common | | |

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

## Door 01 / 2x3



| 302 IfcDoor | company statement | Door 01 / 2x3 |
|---|---|---|
| 001 GUIDs | | |
| *002 History* | Not in scope of this viewer. | |
| 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 | Please change the status as Supported because we revised the NaviTouch. | |
| 120 Spatial Containment | | |
| 200 Material | | |
| *200-1 Single Material* | | |
| *200-5 Material List* | | |

Supported Restricted Not Supported

| | | |
|---|---|---|
| 210 Property Set | | |
| 210-1 Property Set IFC Common | ■ | |
| 210-2 Property Set IFC any | ■ | |
| 210-3 Property Set User Defined | ■ | |
| 300 Type | | |
| 300-1 Type Geometry | ■ | |
| 300-2 Type Naming | ■ | |
| 300-3 Type Material | ■ | |
| 300-5 Type Property Set | ■ | |
| 300-6 Type Predefined Properties | | |
| 300-6-1 Type Predefined Properties Door | ■ | |
| General | *company statement* | *Door 01 / 2x3* |
| *_G4 Remarks* | ■ | |

## DoorWindow-02 / 2x3

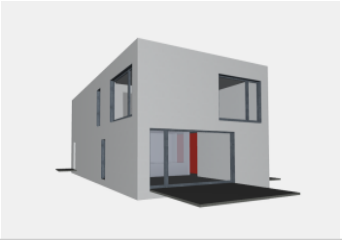


| | | |
|---|---|---|
| 301 IfcWindow | *company statement* | *DoorWindow-02 / 2x3* |
| 001 GUIDs | ■ | |
| 020 Placement | | |
| 020-2 Placement Relative | ■ | |
| 030 Geometry | | |
| 030-6 Geometry Body | | |
| 030-6-5 Geometry Explicit | ■ | |
| 080 Filling | | |
| 080-2 Is Filling | ■ | |
| 300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

■ Supported ■ Restricted ■ Not Supported

| | | |
|---|---|---|
| 300 Type | | |
| 300-1 Type Geometry | ■ | |
| General | *company statement* | *DoorWindow-02 / 2x3* |
| *_G4 Remarks* | ■ | |

## DuplexHouse_Heating / 2x3



| 204 IfcEnergyConversionDevice | company statement | DuplexHouse_Heating / 2x3 |
|---|---|---|
| 010 Naming | | |
| 030 Geometry | | |
| 030-6 Geometry Body | | |
| 030-6-5 Geometry Explicit | | |
| 030-6-9 Geometry Mapped | | |
| 040 Presentation | | |
| 040-1 Geometric Presentation | | |
| 100 Element Aggregation | | |
| 100-4 Port Assignment | Visualizing of Connections (Ports) not possible. | |
| 110 Connectivity | | |
| 110-5 Connectivity by Ports | Visualizing of Connections (Ports) not possible. | |
| 130 Grouping | | |
| 130-2 Grouping to Systems | | |
| 300 Type | | |
| 300-1 Type Geometry | | |
| 300-5 Type Property Set | | |
| 205 IfcFlowController | company statement | DuplexHouse_Heating / 2x3 |
| 010 Naming | | |

| | | |
|---|---|---|
| 030 Geometry | | |
| 030-6 Geometry Body | | |
| 030-6-5 Geometry Explicit | ■ | |
| 030-6-9 Geometry Mapped | ■ | |
| 040 Presentation | | |
| 040-1 Geometric Presentation | ■ | |
| 100 Element Aggregation | | |
| 100-4 Port Assignment | ■ | Visualizing of Connections (Ports) not possible. |
| 110 Connectivity | | |
| 110-5 Connectivity by Ports | ■ | Visualizing of Connections (Ports) not possible. |
| 130 Grouping | | |
| 130-2 Grouping to Systems | ■ | |
| 300 Type | | |
| 300-1 Type Geometry | ■ | |
| 300-5 Type Property Set | ■ | |
| 206 IfcFlowFitting | *company statement* | *DuplexHouse_Heating / 2x3* |
| 010 Naming | ■ | |
| 030 Geometry | | |
| 030-6 Geometry Body | | |
| 030-6-5 Geometry Explicit | ■ | |
| 030-6-9 Geometry Mapped | ■ | |
| 040 Presentation | | |
| 040-1 Geometric Presentation | ■ | |
| 100 Element Aggregation | | |
| 100-4 Port Assignment | ■ | Visualizing of Connections (Ports) not possible. |

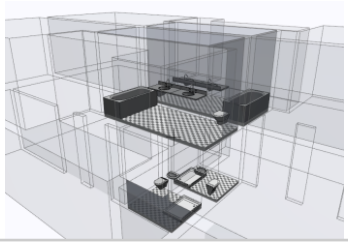
■ Supported ■ Restricted ■ Not Supported

| | | | |
|---|---|---|---|
| 110 Connectivity | | | |
| 110-5 Connectivity by Ports | | Visualizing of Connections (Ports) not possible. | |
| 130 Grouping | | | |
| 130-2 Grouping to Systems | | | |
| 300 Type | | | |
| 300-1 Type Geometry | | | |
| 300-5 Type Property Set | | | |
| 207 IfcFlowMovingDevice | | *company statement* | *DuplexHouse_Heating / 2x3* |
| 010 Naming | | | |
| 030 Geometry | | | |
| 030-6 Geometry Body | | | |
| 030-6-5 Geometry Explicit | | | |
| 030-6-9 Geometry Mapped | | | |
| 040 Presentation | | | |
| 040-1 Geometric Presentation | | | |
| 100 Element Aggregation | | | |
| 100-4 Port Assignment | | Visualizing of Connections (Ports) not possible. | |
| 110 Connectivity | | | |
| 110-5 Connectivity by Ports | | Visualizing of Connections (Ports) not possible. | |
| 130 Grouping | | | |
| 130-2 Grouping to Systems | | | |
| 300 Type | | | |
| 300-1 Type Geometry | | | |
| 300-5 Type Property Set | | | |
| 208 IfcFlowSegment | | *company statement* | *DuplexHouse_Heating / 2x3* |

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

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

## DuplexHouse_Sanitary / 2x3



| 205 IfcFlowController | company statement | DuplexHouse_Sanitary / 2x3 |
|---|---|---|
| 010 Naming | | |
| 020 Placement | | |
| 020-2 Placement Relative | | |
| 030 Geometry | | |
| 030-6 Geometry Body | | |
| 030-6-1 Geometry SweptSolid | | |
| 030-6-5 Geometry Explicit | | |
| 030-6-9 Geometry Mapped | | |
| 040 Presentation | | |
| 040-1 Geometric Presentation | | |
| 100 Element Aggregation | | |
| 100-4 Port Assignment | Visualizing of Connections (Ports) not possible. | |
| 110 Connectivity | | |
| 110-5 Connectivity by Ports | Visualizing of Connections (Ports) not possible. | |
| 120 Spatial Containment | | |
| 130 Grouping | | |
| 130-2 Grouping to Systems | | |
| 206 IfcFlowFitting | company statement | DuplexHouse_Sanitary / 2x3 |
| 010 Naming | | |

Supported Restricted Not Supported

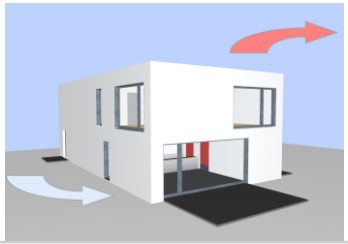
| | | |
|---|---|---|
| 020 Placement | | |
| 020-2 Placement Relative | ■ | |
| 030 Geometry | | |
| 030-6 Geometry Body | | |
| 030-6-1 Geometry SweptSolid | ■ | |
| 030-6-5 Geometry Explicit | ■ | |
| 030-6-9 Geometry Mapped | ■ | |
| 040 Presentation | | |
| 040-1 Geometric Presentation | ■ | |
| 100 Element Aggregation | | |
| 100-4 Port Assignment | ■ | Visualizing of Connections (Ports) not possible. |
| 110 Connectivity | | |
| 110-5 Connectivity by Ports | ■ | Visualizing of Connections (Ports) not possible. |
| 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 | ■ | |
| 030-6-9 Geometry Mapped | ■ | |

■ Supported ■ Restricted ■ Not Supported

| | | |
|---|---|---|
| 040 Presentation | | |
| 040-1 Geometric Presentation | ■ | |
| 100 Element Aggregation | | |
| 100-4 Port Assignment | ■ | Visualizing of Connections (Ports) not possible. |
| 110 Connectivity | | |
| 110-5 Connectivity by Ports | ■ | Visualizing of Connections (Ports) not possible. |
| 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 | ■ | |
| 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 | ■ | Visualizing of Connections (Ports) not possible. |
| 110 Connectivity | | |
| 110-5 Connectivity by Ports | ■ | Visualizing of Connections (Ports) not possible. |

| | | |
|---|---|---|
| 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 | ■ | |
| 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 | Visualizing of Connections (Ports) not possible. | |
| 110 Connectivity | | |
| 110-5 Connectivity by Ports | Visualizing of Connections (Ports) not possible. | |
| 120 Spatial Containment | | |
| 130 Grouping | | |
| 130-2 Grouping to Systems | | |
| 207 IfcFlowMovingDevice | company statement | DuplexHouse_Ventilation / 2x3 |
| 010 Naming | | |

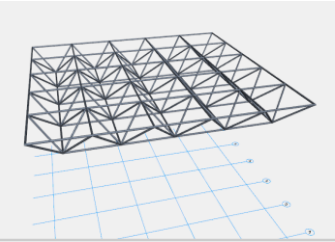
Supported Restricted Not Supported

| | | |
|---|---|---|
| 020 Placement | | |
| 020-2 Placement Relative | ■ | |
| 030 Geometry | | |
| 030-6 Geometry Body | | |
| 030-6-1 Geometry SweptSolid | ■ | |
| 030-6-5 Geometry Explicit | ■ | |
| 030-6-9 Geometry Mapped | ■ | |
| 040 Presentation | | |
| 040-1 Geometric Presentation | ■ | |
| 100 Element Aggregation | | |
| 100-4 Port Assignment | ■ | Visualizing of Connections (Ports) not possible. |
| 110 Connectivity | | |
| 110-5 Connectivity by Ports | ■ | Visualizing of Connections (Ports) not possible. |
| 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 | ■ | |

| | | |
|---|---|---|
| 040 Presentation | | |
| 040-1 Geometric Presentation | ■ | |
| 100 Element Aggregation | | |
| 100-4 Port Assignment | ■ | Visualizing of Connections (Ports) not possible. |
| 110 Connectivity | | |
| 110-5 Connectivity by Ports | ■ | Visualizing of Connections (Ports) not possible. |
| 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 | ■ | |
| 030-6-5 Geometry Explicit | ■ | |
| 030-6-9 Geometry Mapped | ■ | |
| 040 Presentation | | |
| 040-1 Geometric Presentation | ■ | |
| 100 Element Aggregation | | |
| 100-4 Port Assignment | ■ | Visualizing of Connections (Ports) not possible. |
| 110 Connectivity | | |
| 110-5 Connectivity by Ports | ■ | Visualizing of Connections (Ports) not possible. |
| 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 | ■ | | |

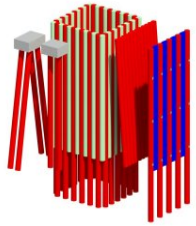
## Member_01S / 2x3



| 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* | Not in scope of this viewer. | |
| 110-3 Connectivity Realization | | |
| *110-3-1 Connectivity Realized* | Not in scope of this viewer. | |
| 120 Spatial Containment | | |
| 200 Material | | |
| 200-1 Single Material | | |
| 300 Type | | |
| 300-1 Type Geometry | | |

| General | company statement | Member_01S / 2x3 |
|---|---|---|
| *_G4 Remarks* | | |

## Pile 01 / 2x3

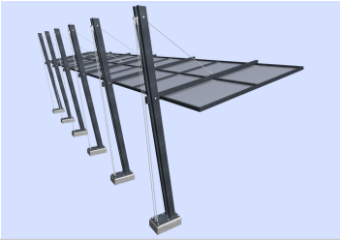


| 404 IfcPile | company statement | Pile 01 / 2x3 |
|---|---|---|
| 001 GUIDs | ■ | |
| *002 History* | ■ | |
| *010 Naming* | ■ | |
| 020 Placement | | |
| 020-1 Placement Relative | ■ | |
| 030 Geometry | | |
| 030-6 Geometry Body | | |
| 030-6-1 Geometry SweptSolid | ■ | |
| 030-6-2 Geometry Clipping | ■ | |
| 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 | ■ | |

■ Supported ■ Restricted ■ Not Supported

| | | |
|---|---|---|
| 200 Material | | |
| 200-1 Single Material | ■ | |
| 210 Property Set | | |
| 210-3 Property Set User Defined | ■ | |
| 300 Type | | |
| 300-1 Type Geometry | ■ | |
| 300-3 Type Material | ■ | |
| 300-5 Type Property Set | ■ | |
| General | *company statement* | *Pile 01 / 2x3* |
| *_G4 Remarks* | ■ | |

## PlateFastener-01 / 2x3



| | | | |
|---|---|---|---|
| 103 IfcBeam | | *company statement* | *PlateFastener-01 / 2x3* |
| 001 GUIDs | ■ | | |
| *002 History* | ■ | Not in scope of this viewer. | |
| 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* | ■ | Not in scope of this viewer. | |
| 030 Geometry | | | |
| 030-6 Geometry Body | | | |
| 030-6-1 Geometry SweptSolid | ■ | | |
| 030-6-9 Geometry Mapped | ■ | | |
| 100 Element Aggregation | | | |
| 100-2 Element Decomposition | ■ | | |
| 210 Property Set | | | |
| 210-3 Property Set User Defined | ■ | | |

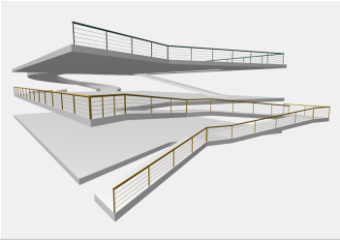
| | | | |
|---|---|---|---|
| 300 Type | | | |
| 300-1 Type Geometry | | | |
| 300-2 Type Naming | | | |
| 300-3 Type Material | | | |
| 300-5 Type Property Set | | | |
| 401 IfcMember | | *company statement* | *PlateFastener-01 / 2x3* |
| 001 GUIDs | | | |
| *002 History* | | Out of scope of this viewer. | |
| 020 Placement | | | |
| 020-2 Placement Relative | | | |
| 030 Geometry | | | |
| 030-6 Geometry Body | | | |
| 030-6-1 Geometry SweptSolid | | | |
| 030-6-9 Geometry Mapped | | | |
| 040 Presentation | | | |
| 040-1 Geometric Presentation | | | |
| 050 CAD Layer | | | |
| 210 Property Set | | | |
| 210-1 Property Set IFC Common | | | |
| 210-3 Property Set User Defined | | | |
| 300 Type | | | |
| 300-2 Type Naming | | | |
| 300-3 Type Material | | | |
| 300-5 Type Property Set | | | |
| 402 IfcPlate | | *company statement* | *PlateFastener-01 / 2x3* |

| | |
|---|---|
| 001 GUIDs | ■ |
| *002 History* | ■ |
| 010 Naming | ■ |
| 020 Placement | |
| 020-2 Placement Relative | ■ |
| 030 Geometry | |
| 030-6 Geometry Body | |
| 030-6-1 Geometry SweptSolid | ■ |
| 030-6-2 Geometry Clipping | ■ |
| 030-6-5 Geometry Explicit | ■ |
| 040 Presentation | |
| 040-1 Geometric Presentation | ■ |
| 050 CAD Layer | ■ |
| 070 Voiding | |
| 070-3 Voiding Geometry SweptSolid | ■ |
| 120 Spatial Containment | ■ |
| 200 Material | |
| 200-2 Material Layer Set | ■ |
| 210 Property Set | |
| 210-1 Property Set IFC Common | ■ |
| 210-3 Property Set User Defined | ■ |

| | | | |
|---|---|---|---|
| 300 Type | | | |
| 300-1 Type Geometry | | | |
| 300-2 Type Naming | | | |
| 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* | | Not in scope of this viewer. | |
| 406 IfcMechanicalFastener | | company statement | PlateFastener-01 / 2x3 |
| 001 GUIDs | | | |
| *002 History* | | Not in scope of this viewer. | |
| 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* | *PlateFastener-01 / 2x3* |
| *_G4 Remarks* | | |

## RampRailing-01 / 2x3



| 107 IfcRamp | company statement | RampRailing-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 | ■ | | |
| 210-3 Property Set User Defined | ■ | | |
| 108 IfcRailing | | *company statement* | *RampRailing-01 / 2x3* |
| 001 GUIDs | ■ | | |
| *002 History* | ■ | Not in scope of this viewer. | |
| 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 | ■ | | |
| *200-5 Material List* | ■ | | |
| 210 Property Set | | | |
| 210-1 Property Set IFC Common | ■ | | |
| 210-3 Property Set User Defined | ■ | | |
| General | | *company statement* | *RampRailing-01 / 2x3* |

| | |
|---|---|
| _G4 Remarks |  |

## RandomArch-X1 AC16 / 2x3

| 101 IfcWallStandardCase | company statement | RandomArch-X1 AC16 / 2x3 |
|---|---|---|
| 001 GUIDs | | |
| *002 History* | Out of scope of this viewer. | |
| 010 Naming | | |
| 030 Geometry | | |
| 030-2 Geometry Axis | 2D axis is not displayed, but 3D axis is displayed. | |
| 030-6 Geometry Body | | |
| 030-6-1 Geometry SweptSolid | | |
| 050 CAD Layer | | |
| 070 Voiding | | |
| 070-1 Voiding Geometry SweptSolid | | |
| 080 Filling | | |
| 081 Has Filling | | |
| 081-2 Has Filling Window | The Relation is displayed now. | |
| 200 Material | | |
| 200-4 Material Layer Usage | | |
| 300 Type | | |
| 300-2 Type Naming | | |

| 102 IfcWall | company statement | RandomArch-X1 AC16 / 2x3 |
|---|---|---|
| *002 History* | Out of scope of this viewer. | |

| | | |
|---|---|---|
| 010 Naming | ■ | |
| 030 Geometry | | |
| *030-2 Geometry Axis* | ■ | |
| 030-6 Geometry Body | | |
| 030-6-1 Geometry SweptSolid | ■ | |
| 050 CAD Layer | ■ | |
| 070 Voiding | | |
| 070-1 Voiding Geometry Explicit | ■ | |
| 070-3 Voiding Geometry SweptSolid | ■ | |
| 080 Filling | | |
| 080-1 Has Filling | | |
| 080-1-1 Has Filling Door | ■ | The Relation is displayed now. |
| 080-1-2 Has Filling Window | ■ | The Relation is displayed now. |
| 200 Material | | |
| 200-1 Single Material | ■ | |
| 200-3 Material Layer Set | ■ | |
| 210 Property Set | | |
| 210-1 Property Set IFC Common | ■ | |
| 300 Type | | |
| 300-2 Type Naming | ■ | |
| 104 IfcColumn | *company statement* | *RandomArch-X1 AC16 / 2x3* |
| *002 History* | ■ | Out of scope of this viewer. |
| 010 Naming | ■ | |

| | | | |
|---|---|---|---|
| 030 Geometry | | | |
| 030-6 Geometry Body | | | |
| 030-6-1 Geometry SweptSolid | | | |
| 050 CAD Layer | | | |
| 200 Material | | | |
| 200-1 Single Material | | | |
| 210 Property Set | | | |
| 210-1 Property Set IFC Common | | | |
| 300 Type | | | |
| 300-2 Type Naming | | | |
| 105 IfcSlab | | *company statement* | *RandomArch-X1 AC16 / 2x3* |
| *002 History* | | Out of scope of this viewer. | |
| 010 Naming | | | |
| 030 Geometry | | | |
| 030-6 Geometry Body | | | |
| 030-6-1 Geometry SweptSolid | | | |
| 050 CAD Layer | | | |
| 070 Voiding | | | |
| 070-3 Voiding Geometry SweptSolid | | | |
| 200 Material | | | |
| 200-2 Material Layer Set | | | |
| 200-3 Material Layer Usage | | | |
| 210 Property Set | | | |
| 210-1 Property Set IFC Common | | | |
| 301 IfcWindow | | *company statement* | *RandomArch-X1 AC16 / 2x3* |

| | | |
|---|---|---|
| *002 History* | | Out of scope of this viewer. |
| 010 Naming | | |
| 030 Geometry | | |
| 030-6 Geometry Body | | |
| 030-6-5 Geometry Explicit | | |
| 050 CAD Layer | | |
| 200 Material | | |
| *200-1 Single Material* | | |
| 300 Type | | |
| 300-1 Type Geometry | | |
| 300-2 Type Naming | | |
| 300-6 Type Predefined Properties | | |
| 302 IfcDoor | *company statement* | *RandomArch-X1 AC16 / 2x3* |
| *002 History* | | Out of scope of this viewer. |
| 010 Naming | | |
| 030 Geometry | | |
| 030-6 Geometry Body | | |
| 030-6-5 Geometry Explicit | | |
| 050 CAD Layer | | |
| 200 Material | | |
| *200-1 Single Material* | | |
| 300 Type | | |
| 300-2 Type Naming | | |
| 300-6 Type Predefined Properties | | |
| 300-6-1 Type Predefined Properties Door | | |

| | | |
|---|---|---|
| 509 IfcGrid | *company statement* | *RandomArch-X1 AC16 / 2x3* |
| 030 Geometry | | |
| General | *company statement* | *RandomArch-X1 AC16 / 2x3* |
| *_G4 Remarks* |  | |

## RandomArch-X2 Allplan2013 / 2x3

| 303 IfcCovering | company statement | RandomArch-X2 Allplan2013 / 2x3 |
|---|---|---|
| 010 Naming | ■ | |
| 020 Placement | | |
| 020-2 Placement Relative | ■ | |
| 030 Geometry | | |
| 030-6 Geometry Body | | |
| 030-6-1 Geometry SweptSolid | ■ | |
| 040 Presentation | | |
| 040-2 Material Presentation | ■ | |
| 050 CAD Layer | ■ | |
| 120 Spatial Containment | ■ | |
| 200 Material | | |
| 200-3 Material Layer Set | ■ | |

| 505 IfcSpace | company statement | RandomArch-X2 Allplan2013 / 2x3 |
|---|---|---|
| 010 Naming | ■ | |
| 020 Placement | | |
| 020-2 Placement Relative | ■ | |
| 030 Geometry | | |
| 030-6 Geometry Body | | |
| 030-6-2 Geometry Clipping | ■ | |

| General | company statement | RandomArch-X2 Allplan2013 / 2x3 |
| --- | --- | --- |
| _G4 Remarks |  | |

## RandomMEP-X2 RME / 2x3

| 205 IfcFlowController | company statement | RandomMEP-X2 RME / 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 | Visualizing of Connections (Ports) not possible. | |
| **General** | *company statement* | *RandomMEP-X2 RME / 2x3* |
| *_G4 Remarks* | | |

## RandomStruc-X1 Scia / 2x3

| | | |
|---|---|---|
| 103 IfcBeam | company statement | RandomStruc-X1 Scia / 2x3 |
| 030 Geometry | | |
| 030-6 Geometry Body | | |
| 030-6-1 Geometry SweptSolid | ■ | |
| 030-6-5 Geometry Explicit | ■ | |
| 200 Material | | |
| 200-1 Single Material | ■ | |
| 104 IfcColumn | company statement | RandomStruc-X1 Scia / 2x3 |
| 030 Geometry | | |
| 030-6 Geometry Body | | |
| 030-6-1 Geometry SweptSolid | ■ | |
| 030-6-5 Geometry Explicit | ■ | |
| 402 IfcPlate | company statement | RandomStruc-X1 Scia / 2x3 |
| 030 Geometry | | |
| 030-6 Geometry Body | | |
| 030-6-1 Geometry SweptSolid | ■ | |
| 406 IfcMechanicalFastener | company statement | RandomStruc-X1 Scia / 2x3 |
| 010 Naming | ■ | |
| 030 Geometry | | |
| 030-6 Geometry Body | | |
| 030-6-5 Geometry Explicit | ■ | |

■ Supported ■ Restricted ■ Not Supported

| General | company statement | RandomStruc-X1 Scia / 2x3 |
| --- | --- | --- |
| _G4 Remarks |  | |

## RandomStruc-X5 TS / 2x3

| | | |
|---|---|---|
| 406 IfcMechanicalFastener | company statement | RandomStruc-X5 TS / 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 | ■ | |
| 200 Material | | |
| 200-1 Single Material | ■ | |
| 300 Type | | |
| 300-1 Type Geometry | ■ | |
| 300-2 Type Naming | ■ | |
| 300-3 Type Material | ■ | |
| 300-5 Type Property Set | ■ | |
| 408 IfcElementAssembly | company statement | RandomStruc-X5 TS / 2x3 |
| 010 Naming | ■ | |
| 100 Element Aggregation | | |
| 100-2 Element Decomposition | ■ | |
| General | company statement | RandomStruc-X5 TS / 2x3 |

■ Supported ■ Restricted ■ Not Supported

| | |
|---|---|
| _G4 Remarks | |

## Roof 01 / 2x3

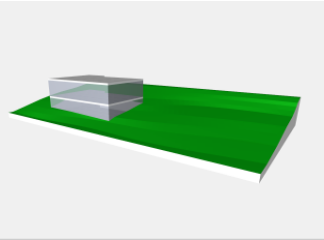



| | | |
|---|---|---|
| 101 IfcWallStandardCase | company statement | Roof 01 / 2x3 |
| 030 Geometry | | |
| 030-6 Geometry Body | | |
| 030-6-1 Geometry SweptSolid | ■ | |
| 030-6-2 Geometry Clipping | ■ | |
| 105 IfcSlab | company statement | Roof 01 / 2x3 |
| 030 Geometry | | |
| 030-6 Geometry Body | | |
| 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* | ■ | |

■ Supported ■ Restricted ■ Not Supported

| | | |
|---|---|---|
| 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 | *company statement* | *Roof 01 / 2x3* |
| *_G4 Remarks* | ■ | |

## Site 02 / 2x3

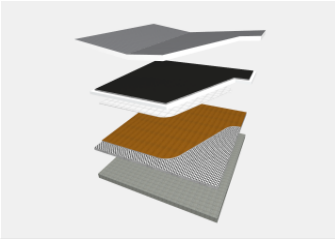


| | | |
|---|---|---|
| 502 IfcSite | *company statement* | *Site 02 / 2x3* |
| 010 Naming | | |
| 020 Placement | | |
| 020-1 Placement Absolute | | |
| 030 Geometry | | |
| 030-3 Geometry FootPrint | It will be developed later. | |
| 030-6 Geometry Body | | |
| 030-6-5 Geometry Explicit | | |
| 150 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 | | |

Supported Restricted Not Supported

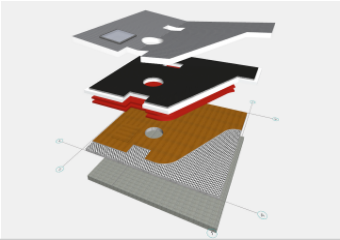
| | | |
|---|---|---|
| 210 Property Set | | |
| 210-1 Property Set IFC Common |  | |
| General | *company statement* | *Site 02 / 2x3* |
| *_G4 Remarks* |  | |

## 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

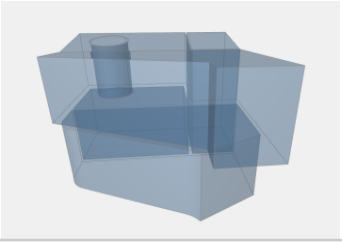


| 105 IfcSlab | company statement | Slab 02A / 2x3 |
|---|---|---|
| 010 Naming | ■ | |
| 020 Placement | | |
| 020-2 Placement Relative | ■ | |
| 030 Geometry | | |
| *030-1 Geometry Box* | ■ | |
| 030-6 Geometry Body | | |
| 030-6-1 Geometry SweptSolid | ■ | |
| 030-6-2 Geometry Clipping | ■ | |
| 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 | ■ | The relation is only displayable in Revit file, however It will be revised later. |
| 080-1-2 Has Filling Window | ■ | The relation is only displayable in Revit file, however It will be revised later. |
| 120 Spatial Containment | ■ | |

■ Supported ■ Restricted ■ Not Supported

| | | |
|---|---|---|
| 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 01A / 2x3

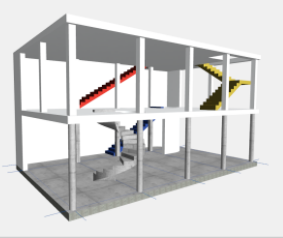


| 505 IfcSpace | company statement | Space 01A / 2x3 |
|---|---|---|
| 001 GUIDs | ■ | |
| 002 History | ■ | |
| 010 Naming | ■ | |
| 020 Placement | | |
| 020-2 Placement Relative | ■ | |
| 030 Geometry | | |
| 030-6 Geometry Body | | |
| 030-6-1 Geometry SweptSolid | ■ | |
| 030-6-2 Geometry Clipping | ■ | |
| 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* | ■ | |

■ Supported ■ Restricted ■ Not Supported

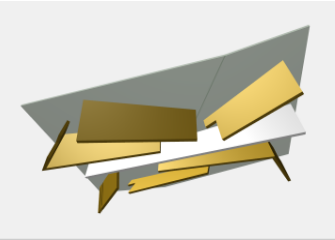
## StairSlab-01 / 2x3



| | | | |
|---|---|---|---|
| 105 IfcSlab | | *company statement* | *StairSlab-01 / 2x3* |
| 001 GUIDs | ■ | | |
| *002 History* | ■ | Not in scope of this viewer. | |
| 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* | ■ | Not in scope of this viewer. | |
| 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* | *StairSlab-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* | ■ | 2D axis is not displayed but 3D axis is supported. |
| 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* | ■ | |

## WallSlab 03 / 2x3



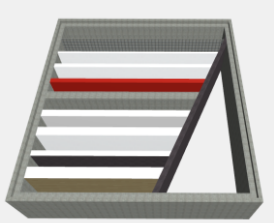
| | | |
|---|---|---|
| 102 IfcWall | company statement | WallSlab 03 / 2x3 |
| 010 Naming | ■ | |
| 020 Placement | | |
| 020-2 Placement Relative | ■ | |
| 030 Geometry | | |
| 030-9 Geometry By Components | ■ | |
| 070 Voiding | | |
| 070-3 Voiding Geometry SweptSolid | ■ | |
| 100 Element Aggregation | | |
| 100-2 Element Decomposition | ■ | |
| 210 Property Set | | |
| 210-1 Property Set IFC Common | ■ | |
| 105 IfcSlab | company statement | WallSlab 03 / 2x3 |
| 010 Naming | ■ | |
| 020 Placement | | |
| 020-2 Placement Relative | ■ | |
| 030 Geometry | | |
| 030-9 Geometry By Components | ■ | |
| 100 Element Aggregation | | |
| 100-2 Element Decomposition | ■ | |

| | | |
|---|---|---|
| 501 IfcProject | company statement | WallSlab 03 / 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 | WallSlab 03 / 2x3 |
| 001 GUIDs | | |
| 002 History | Not in scope of this viewer. | |
| *010 Naming* | | |
| 020 Placement | | |
| 020-1 Placement Absolute | | |
| 150 Spatial Aggregation | | |
| 150-1 Spatial Composition | | |
| 150-2 Spatial Decomposition | | |
| 504 IfcBuildingStorey | company statement | WallSlab 03 / 2x3 |
| 001 GUIDs | | |
| 002 History | Not in scope of this viewer. | |
| 010 Naming | | |

Supported Restricted Not Supported

| | | | |
|---|---|---|---|
| 020 Placement | | | |
| 020-2 Placement Relative | ■ | | |
| 150 Spatial Aggregation | | | |
| 150-1 Spatial Composition | ■ | | |
| 150-2 Spatial Decomposition | ■ | | |
| 505 IfcSpace | | *company statement* | *WallSlab 03 / 2x3* |
| 010 Naming | ■ | | |
| 030 Geometry | | | |
| 030-6 Geometry Body | | | |
| 030-6-1 Geometry SweptSolid | ■ | | |
| General | | *company statement* | *WallSlab 03 / 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 | 3D display of walls are supported.<br>2D wall axis is not displayed. | |
| 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* | ■ | | |

## Window 01 / 2x3



| 301 IfcWindow | company statement | Window 01 / 2x3 |
|---|---|---|
| 001 GUIDs | | |
| *002 History* | Not in scope of this viewer. | |
| 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* | *Window 01 / 2x3* |
| *_G4 Remarks* | ■ | | |