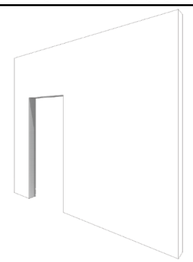
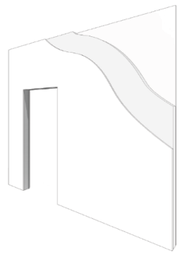
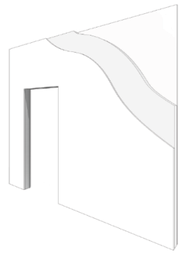
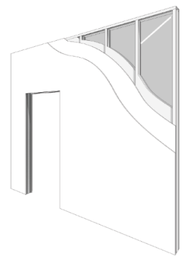
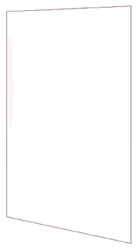
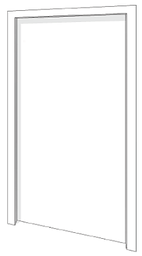
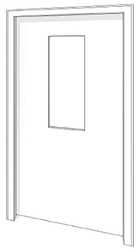
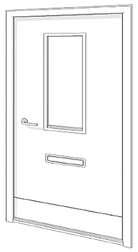
Content

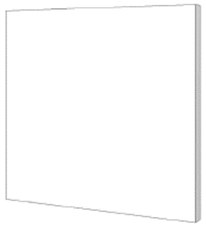
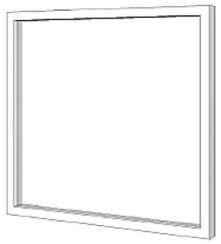
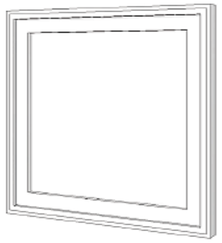
Building element **Wall**
Description **Applies to all outside and inside walls**
Revision date 26-11-2015

	Information level 1	Information level 2	Information level 3	Information level 4	Information level 5	Information level 6	Information level 7
Illustration							
Description			Walls are modelled as generic objects in max. outer contour broken down into overall types. Expected dimension and location. Openings with expected dimension and location.	Walls are modelled as assemblies with details of materials. Specified main dimension and location. Openings with specified dimension and location.	Walls are modelled as assemblies with details of materials. Final dimension and location. Openings with final dimension and location. Surfaces down to 5 mm.	Walls are modelled as assemblies with details of materials. Final structure, dimension and location. Openings with final dimension and location. Surfaces down to 5 mm. Components, joints, holes etc.	
Mandatory shape and location attributes (attribute classes F, G)			Area	Area	Area Location	Area Location	
Mandatory attributes (attribute classes A-E, H-R)			Classification Type Type name	Classification Type Type name	Classification Type Type name Fire rating Acoustic rating	Classification Type Type name Fire rating Acoustic rating	
Other attributes			Location Width Length Height	Location Width Length Height U-value Material	Width Length Height U-value Material Contract	Width Length Height U-value Material Contract	

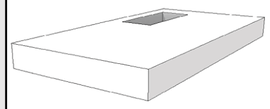
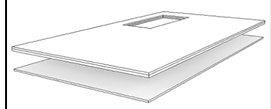
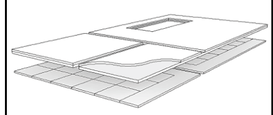
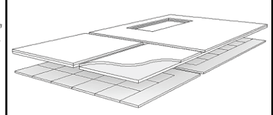
Building element **Door**
Description **Applies to all outside and inside doors and gates**
Revision date 26-11-2015

	Information level 1	Information level 2	Information level 3	Information level 4	Information level 5	Information level 6	Information level 7
Illustration							
Description			Doors are modelled as generic objects in max. outer contour broken down into overall types. Expected dimension and location. Doors are modelled in simple geometry.	Doors are modelled with hinges, frame, architrave, door sill / threshold. Specified dimension and location. Material on door panel modelled as glass or solid.	Doors are modelled with hinges, frame, architrave, door sill / threshold. Final dimension and location. Material on door panel modelled as glass or solid. Conspicuous fittings are modelled.	Doors are modelled with hinges, frame, architrave, door sill / threshold. Final structure, dimension and location. Material of door panel is modelled. Conspicuous fittings are modelled.	
Mandatory shape and location attributes (attribute classes F, G)			Width Height	Width Height	Width Height Location	Width Height Location	
Mandatory attributes (attribute classes A-E, H-R)			Classification Type name	Classification Type Type name Fire rating Acoustic rating	Classification Type Type name Fire rating Acoustic rating Equipment Fittings	Classification Type Type name Fire rating Acoustic rating Equipment Fittings	
Other attributes			Type Area Location Orientation	Area Location Orientation Contract Wall width U-value Material Equipment	Area Orientation Contract Wall width U-value Material	Area Orientation Contract Wall width U-value Material	

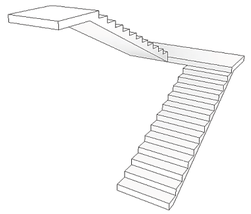
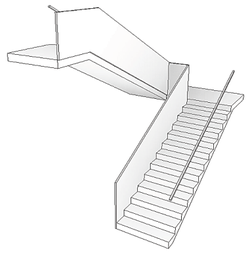
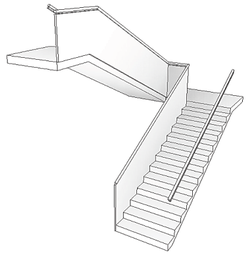
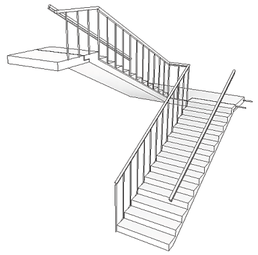
Building element **Window**
Description **Applies to all windows, with panes and opaque areas**
Revision date 26-11-2015

	Information level 1	Information level 2	Information level 3	Information level 4	Information level 5	Information level 6	Information level 7
Illustration							
Description			Windows are modelled as generic objects in max. outer contour broken down into overall types. Expected dimension and location.	Windows are modelled with frame and architrave. Specified dimension and location.	Windows are modelled with frame and architrave. Final dimension and location.	Windows are modelled with frame and architrave. Final structure, dimension and location.	
Mandatory shape and location attributes (attribute classes F, G)			Width Height	Width Height	Width Height Location	Width Height Location	
Mandatory attributes (attribute classes A-E, H-R)			Classification Type name	Classification Type Type name Fire rating Acoustic rating	Classification Type Type name Fire rating Acoustic rating U-value	Classification Type Type name Fire rating Acoustic rating Equipment U-value Fittings	
Other attributes			Type Area Location Orientation	Area Location Orientation Contract Wall width U-value Equipment Fittings Material			

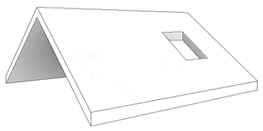
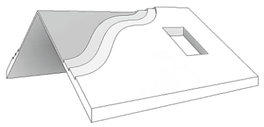
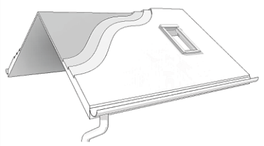
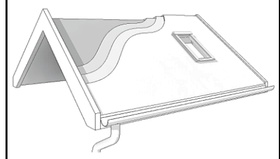
Building element **Floor build up**
Description **Applies to all floor dividers that make a horizontal separation**
Revision date 26-11-2015

	Information level 1	Information level 2	Information level 3	Information level 4	Information level 5	Information level 6	Information level 7
Illustration							
Description			Floor build ups are modelled as a combined generic object (floor, slab and ceiling) broken down into overall types. Floor dividers are a continuous surface over the whole of the relevant storey. Expected dimension and location.	Floor build ups are modelled as assemblies broken down into floors, slabs and ceilings. Floors and ceilings may be a continuous surface over the whole of the relevant storey Specified main dimension and location. Larger apertures are modelled.	Floor build ups are modelled as assemblies broken down into floors, slabs and ceilings. Ceilings and floors are divided by walls etc. Final dimension and location incl. any risers etc. Panel divisions marked with hatching. Larger apertures are modelled.	Floor build ups are modelled as assemblies broken down into floors, slabs and ceilings. Ceilings and floors are separated by walls etc. Final structure, dimension and location incl. any risers etc. Panel divisions marked with hatching. Larger apertures are modelled.	
Mandatory shape and location attributes (attribute classes F, G)			Area Height	Area Height	Area Height Location	Area Height Location	
Mandatory attributes (attribute classes A-E, H-R)			Classification Type name	Classification Type Type name	Classification Type Type name Fire rating Acoustic rating	Classification Type Type name Fire rating Acoustic rating	
Other attributes			Type Location	Location Contract Fire rating Acoustic rating U-value	Contract U-value Material	Contract U-value Material	

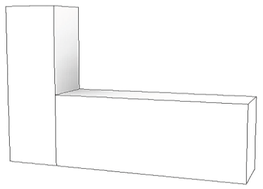
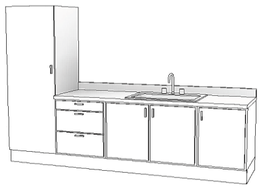
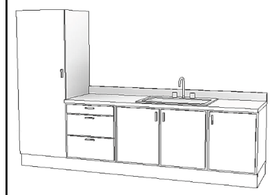
Building element Stairs, ramps and railings
Description Applies to all site-cast and prefabricated stairs and ramps and associated railings
Revision date 26-11-2015

	Information level 1	Information level 2	Information level 3	Information level 4	Information level 5	Information level 6	Information level 7
Illustration							
Description			Staircases are modelled. Expected dimension and location.	Specified dimension and location. Staircases and railings are modelled.	Staircases, railings, balustres and handrails are modelled. Final dimension and location.	Staircases, railings, handrails and balustres are modelled. Final dimension and location (element length/division), number, shape and location. Final in terms of brackets, holes, joints.	
Mandatory shape and location attributes (attribute classes F, G)				Ramp slope	Ramp slope Location	Ramp slope Location	
Mandatory attributes (attribute classes A-E, H-R)			Classification Type name	Classification Type Type name	Classification Type Type name Fire rating	Classification Type Type name Fire rating	
Other attributes			Location	Location Contract Material	Contract Material	Contract Material	

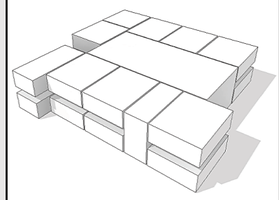
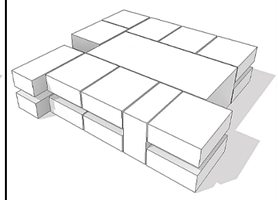
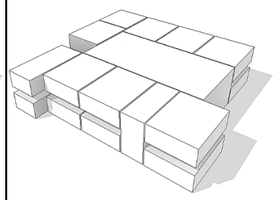
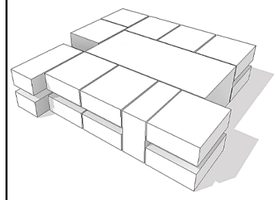
Building element **Roof**
Description **Applies to all roof structures that close the building from above**
Revision date 01-12-2015

	Information level 1	Information level 2	Information level 3	Information level 4	Information level 5	Information level 6	Information level 7
Illustration							
Description			Roofs are modelled as a collective generic object without sub-structures and divided into overall types. Expected dimension and location.	Roofs are modelled as assemblies broken down into roof slab, roof structure, insulation and membrane. Specified dimension and location.	Roofs are modelled as assemblies broken down into roof slab, roof structure, insulation and membrane. Final dimension and location. Finish, roof gradient and materials are included. Roof gutters and downpipes are modelled.	Roofs are modelled as assemblies broken down into roof slab, roof structure, insulation and membrane. Final dimension and location. Finish, roof gradient, holes, elements, joists, components and materials are modelled.	
Mandatory shape and location attributes (attribute classes F, G)			Area	Area	Area Location	Area Location	
Mandatory attributes (attribute classes A-E, H-R)			Classification Type name	Classification Type Type name	Classification Type Type name Fire rating	Classification Type Type name Fire rating	
Other attributes			Type Height Location	Height Location Contract Fire rating U-value Material	Height Contract U-value Material	Height Contract U-value Material	

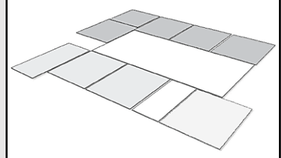
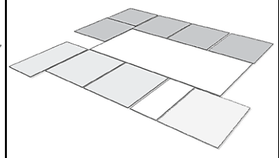
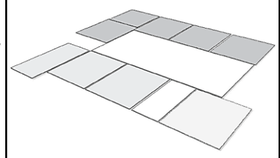
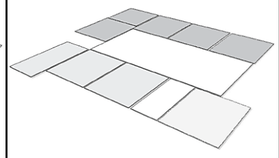
Building element **Furniture and equipment**
Description Applies to loose and permanent fittings
Revision date 26-11-2015

	Information level 1	Information level 2	Information level 3	Information level 4	Information level 5	Information level 6	Information level 7
Illustration							
Description			Modelled as generic objects in max. outer contour.	Modelled with specified geometry and category.	Modelled with final geometry and category.	Modelled with final geometry and category.	
Mandatory shape and location attributes (attribute classes F, G)				Width Height Length	Width Height Length Location	Width Height Length Location	
Mandatory attributes (attribute classes A-E, H-R)			Classification Type name	Classification Type Type name	Classification Type Type name	Classification Type Type name	
Other attributes			Type Location	Location Contract Number	Location Number	Location Number	

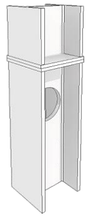
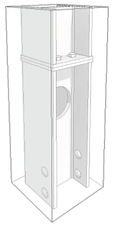
Object **Room**
Description Applies to all room objects bounded by 3D structures
Revision date 26-11-2015

	Information level 1	Information level 2	Information level 3	Information level 4	Information level 5	Information level 6	Information level 7
Graphic/object							
Description			Room objects are inserted and bounded by 3D structures. Modelled to soffit of ceiling.	Room objects are inserted and bounded by 3D structures. Modelled to soffit of ceiling.	Room objects are inserted and bounded by 3D structures. Modelled to soffit of ceiling.	Room objects are inserted and bounded by 3D structures. Modelled to soffit of ceiling.	
Mandatory shape and location attributes (attribute classes F, G)			Area Volume	Area Volume	Area Volume Location	Area Volume Location	
Mandatory attributes (attribute classes A-E, H-R)			Room name	Room name Room number	Room name Room number	Room name Room number	
Other attributes			Location Floor surface Ceiling surface Planned area	Location Floor surface Ceiling surface Wall surface Planned area	Floor surface Ceiling surface Wall surface Planned area	Floor surface Ceiling surface Wall surface Planned area	

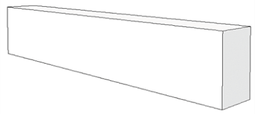
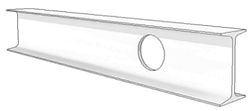
Object **Area**
Description Applies to all areas bounded by 3D structures
Revision date 26-11-2015

	Information level 1	Information level 2	Information level 3	Information level 4	Information level 5	Information level 6	Information level 7
Graphic/object							
Description			Areas are used to define e.g. the total area and/or sub-areas of the building. Areas may be divided into sub-areas (building, floor, section, room)	Areas are used to define e.g. the total area and/or sub-areas of the building. Areas may be divided into sub-areas (building, floor, section, room)	Areas are used to define e.g. the total area and/or sub-areas of the building. Areas may be divided into sub-areas (building, floor, section, room)	Areas are used to define e.g. the total area and/or sub-areas of the building. Areas may be divided into sub-areas (building, floor, section, room)	
Mandatory shape and location attributes (attribute classes F, G)			Gross area Sub-areas	Gross area Sub-areas	Gross area Sub-areas	Gross area Sub-areas	
Mandatory attributes (attribute classes A-E, H-R)			Area name	Area name	Area name	Area name	
Other attributes							

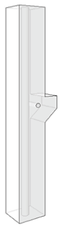
Building element **Steel column**
Description Applies to steel columns
Revision date 01-12-2015

	Information level 1	Information level 2	Information level 3	Information level 4	Information level 5	Information level 6	Information level 7
Illustration							
Description			Columns are modelled as generic objects in max. outer contour broken down into overall types. Expected main geometry, orientation and location.	Columns are modelled in specified main dimension, orientation and location. Larger holes for main lead-throughs with specified size and location.	Columns are modelled in final dimension, profile length, orientation and location. Final brackets and holes for lead-throughs. Fire insulation is modelled where it is crucial to inter-disciplinary coordination.	Columns are modelled in final dimension, orientation, location and profile length for production. Final brackets, holes for lead-throughs, bolts, connection plates, welds and fire insulation.	
Mandatory shape and location attributes (attribute classes F, G)			Width Height Length	Width Height Length Profile type	Width Height Length Profile type Location (e.g. building number or floor)	Width Height Length Profile type Location (e.g. building number or floor)	
Mandatory attributes (attribute classes A-E, H-R)			Classification Type name	Classification Type name Type Construction type	Classification Type name Type Construction type	Classification Type name Type Construction type Steel quality Serial number Steel quality Surface treatment Fire rating Insulation type Insulation thickness Contract	
Other attributes				Contract Location	Fire rating Insulation type Insulation thickness Corrosion class Serial number Contract Steel quality Surface treatment		

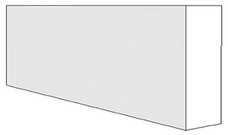
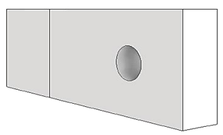
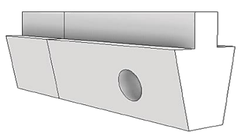
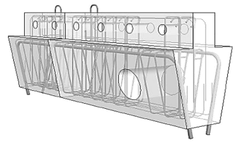
Building element **Steel beam**
Description Applies to steel beams
Revision date 01-12-2015

	Information level 1	Information level 2	Information level 3	Information level 4	Information level 5	Information level 6	Information level 7
Illustration							
Description			Beams are modelled as generic objects in max. outer contour broken down into overall types. Expected main geometry, orientation and location.	Beams are modelled in specified main dimension, orientation and location. Larger holes for main lead-throughs with specified size and location.	Beams are modelled in final dimension, profile length, orientation and location. Final brackets and holes for lead-throughs. Fire insulation is modelled on the underside of beams where it is crucial to inter-disciplinary coordination.	Beams are modelled in final dimension, orientation, location and profile length for production. Final brackets, holes for lead-throughs, bolts, connection plates, welds and fire insulation.	
Mandatory shape and location attributes (attribute classes F, G)			Width Height Length	Width Height Length Profile type	Width Height Length Profile type Location (e.g. building number or floor)	Width Height Length Profile type Location (e.g. building number or floor)	
Mandatory attributes (attribute classes A-E, H-R)			Classification Type name	Classification Type name Type Construction type	Classification Type name Type Construction type	Classification Type name Type Serial number Construction type Steel quality Surface treatment Corrosion class Fire rating Insulation type Insulation thickness Environmental class Contract	
Other attributes				Contract Location	Fire rating Insulation type Insulation thickness Corrosion class Serial number Contract Steel quality Surface treatment		

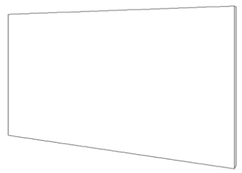
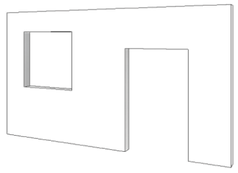
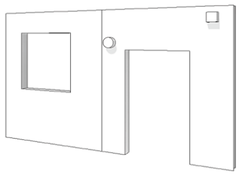
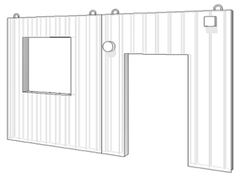
Building element **Concrete column**
Description Applies to site-cast and prefabricated concrete columns
Revision date 01-12-2015

	Information level 1	Information level 2	Information level 3	Information level 4	Information level 5	Information level 6	Information level 7
Illustration							
Description			Columns are modelled as generic objects in max. outer contour broken down into overall types. Expected main geometry, orientation and Location.	Columns are modelled in specified main dimension, orientation and Location. Larger holes for main lead-throughs with specified size and Location.	Columns are modelled in final dimension, element length, orientation and location. Final brackets, corrugated pipes and holes for lead-throughs.	Columns are modelled in final dimension, production length, orientation and Location. Final brackets, holes for lead-throughs, joints, reinforcement incl. supports, mounting points, bevels and insert plates.	
Mandatory shape and Location attributes (attribute classes F, G)			Width Height Length	Width Height Length Profile type	Width Height Length Profile type Location (e.g. building number or floor)	Width Height Length Profile type Location (e.g. building number or floor)	
Mandatory attributes (attribute classes A-E, H-R)			Classification Type name	Classification Type name Type Construction type	Classification Type name Type Construction type	Classification Type name Type Serial number Construction type Concrete strength Environmental class Max. stone size Surface requirements Surface treatment Reinforcement quantity Contract	
Other attributes				Reinforcement quantity Concrete strength Environmental class Max. stone size Contract Location	Serial number Reinforcement quantity Surface treatment Contract Concrete strength Environmental class Max. stone size		

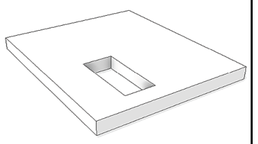
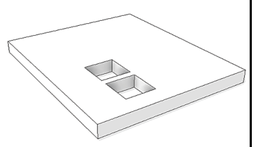
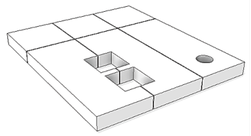
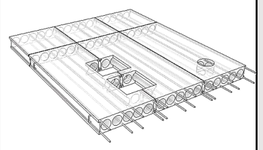
Building element **Concrete beam**
Description Applies to site-cast and prefabricated concrete beams
Revision date 01-12-2015

	Information level 1	Information level 2	Information level 3	Information level 4	Information level 5	Information level 6	Information level 7
Illustration							
Description			Beams are modelled as generic objects in max. outer contour broken down into overall types. Expected main geometry, orientation and location.	Beams are modelled in specified main dimension, orientation and location. Larger holes for main lead-throughs with specified size and location.	Beams are modelled in final dimension, element length, orientation and location. Final brackets and holes for lead-throughs.	Beams are modelled in final dimension, production length, orientation and location. Final brackets, holes for lead-throughs, joints, reinforcement incl. supports, mounting points, bevels and insert plates.	
Mandatory shape and location attributes (attribute classes F, G)			Width Height Length	Width Height Length Profile type	Width Height Length Profile type Location (e.g. building number or floor)	Width Height Length Profile type Location (e.g. building number or floor)	
Mandatory attributes (attribute classes A-E, H-R)			Classification Type name	Classification Type name Type Construction type	Classification Type name Type Construction type	Classification Type name Type Serial number Construction type Concrete strength Environmental class Max. stone size Surface requirements Surface treatment Reinforcement quantity Contract	
Other attributes				Concrete strength Environmental class Max. stone size Reinforcement quantity Contract Location	Serial number Reinforcement quantity Surface treatment Contract Concrete strength Environmental class Max. stone size		

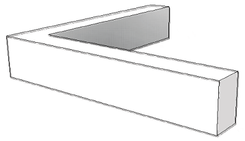
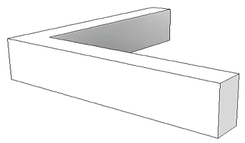
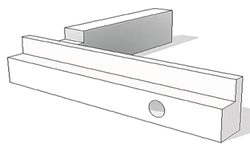
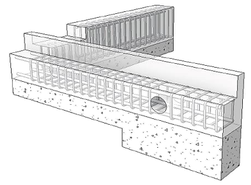
Building element **Concrete wall**
Description Applies to site-cast and prefabricated concrete walls
Revision date 01-12-2015

	Information level 1	Information level 2	Information level 3	Information level 4	Information level 5	Information level 6	Information level 7
Illustration							
Description			Walls are modelled as generic objects in max. outer contour broken down into overall types. Expected main geometry, orientation and location.	Walls are modelled in specified main dimension, orientation and location. Large openings and holes for main lead-throughs with specified size and location.	Walls are modelled in final dimension, element division, orientation and location. Final openings, holes for main lead-throughs with diameter or edge length over 150 mm. Final brackets, skirts, bends and corrugated pipes.	Walls are modelled in final dimension, orientation, location and element division for production. Final openings and holes for lead-throughs. Final brackets, joints, joint locks, reinforcement incl. supports, mounting points, bevels, inserts and plates.	
Mandatory shape and location attributes (attribute classes F, G)			Width Height Length	Width Height Length Profile type	Width Height Length Profile type Location (e.g. building number or floor)	Width Height Length Profile type Location (e.g. building number or floor)	
Mandatory attributes (attribute classes A-E, H-R)			Classification Type name	Classification Type name Type Construction type	Classification Type name Type Construction type	Classification Type name Type Serial number Construction type Concrete strength Environmental class Max. stone size Surface requirements Surface treatment Reinforcement quantity Contract	
Other attributes				Concrete strength Environmental class Max. stone size Contract Reinforcement quantity Location	Serial number Reinforcement quantity Surface treatment Contract Concrete strength Environmental class Max. stone size		

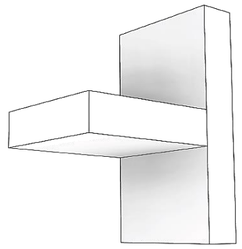
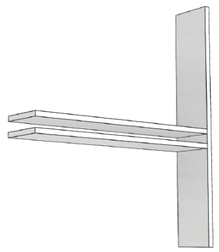
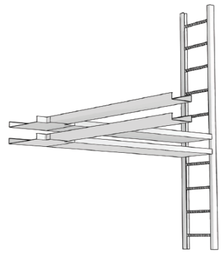
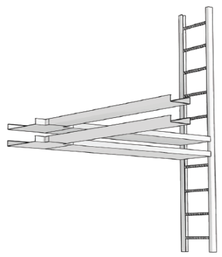
Building element **Concrete slab**
Description Applies to site-cast and prefabricated concrete slabs
Revision date 01-12-2015

	Information level 1	Information level 2	Information level 3	Information level 4	Information level 5	Information level 6	Information level 7
Illustration							
Description			slabs are modelled as generic objects in max. outer contour broken down into overall types. Expected main geometry, orientation and location.	slabs are modelled in specified main dimension, orientation and location. Large openings and holes for main lead-throughs with specified size and location.	slabs are modelled in final dimension, orientation and location, with stress direction, element division and large site-cast areas. Final openings, holes for main lead-throughs with diameter or edge length over 150 mm.	slabs are modelled in final dimension, orientation, location and element division for production. Final openings and holes for lead-throughs. Final brackets, joints, joint locks, reinforcement incl. supports, mounting points, bevels, inserts and plates, structural joints and coverings.	
Mandatory shape and location attributes (attribute classes F, G)			Width Height Length	Width Height Length Profile type	Width Height Length Profile type Location (e.g. building number or floor)	Width Height Length Profile type Location (e.g. building number or floor)	
Mandatory attributes (attribute classes A-E, H-R)			Classification Type name	Classification Type name Type Construction type	Classification Type name Type Construction type	Classification Type name Type Serial number Construction type Concrete strength Environmental class Max. stone size Surface requirements Surface treatment Reinforcement quantity Contract	
Other attributes				Concrete strength Environmental class Max. stone size Reinforcement quantity Contract Location	Serial number Reinforcement quantity Surface treatment Contract Concrete strength Environmental class Max. stone size		

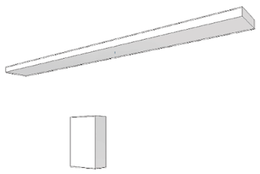
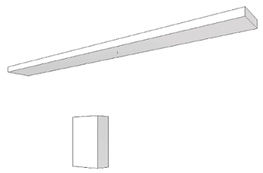
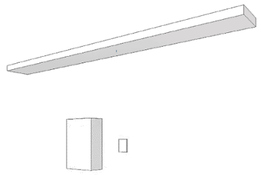
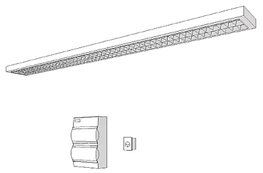
Building element **Foundations**
Description Applies to linear and point foundations
Revision date 01-12-2015

	Information level 1	Information level 2	Information level 3	Information level 4	Information level 5	Information level 6	Information level 7
Illustration							
Description			Foundations are modelled as generic objects in max. outer contour broken down into overall types. Expected main geometry, orientation and location.	Foundations are modelled in specified main dimension, orientation and location. Larger holes for main lead-throughs with specified size and location.	Foundations are modelled in final dimension, element division, orientation and location. Final steps, plinths and holes for lead-throughs.	Foundations are modelled in final dimension, element division, orientation and location. Final steps, plinths, brackets and holes for lead-throughs. Final reinforcement incl. supports, mounting points, fixings, inserts and plates.	
Mandatory shape and location attributes (attribute classes F, G)			Width Height Length	Width Height Length Profile type	Width Height Length Profile type Location (e.g. building number or level)	Width Height Length Profile type Location (e.g. building number or level)	
Mandatory attributes (attribute classes A-E, H-R)			Classification Type name	Classification Type name Type Construction type	Classification Type name Type Construction type	Classification Type name Type Serial number Construction type Concrete strength Environmental class Max. stone size Surface requirements Surface treatment Reinforcement quantity Contract	
Other attributes				Concrete strength Environmental class Max. stone size Reinforcement quantity Contract Location	Serial number Reinforcement quantity Surface treatment Contract Concrete strength Environmental class Max. stone size		

Building element **Electrical routings**
Description Applies to cable trays, cable ladders, installation channels, cable ducts etc.
Revision date 26-11-2015

	Information level 1	Information level 2	Information level 3	Information level 4	Information level 5	Information level 6	Information level 7
Illustration							
Description			Routings are modelled as common generic volume objects for all installations in expected max. outer contour. Expected location and orientation.	Routings are modelled in specified max. outer dimensions. Specified location and orientation of cable Routings and fittings.	Routings are modelled in final outer dimensions. Final location and orientation of cable Routings and fittings.	Routings are modelled in final dimensions based on actual choice of product. Final location and orientation of cable Routings and fittings.	
Mandatory shape and location attributes (attribute classes F, G)			No attributes	Width Height Length Diameter Elevation	Width Height Length Diameter Elevation (absolute) Location (e.g. building number, floor or room number) Elevation	Width Height Length Diameter Location (e.g. building number, floor or room number) Elevation Production length	
Mandatory attributes (attribute classes A-E, H-R)			Classification Type name	Classification Type name	Classification Type name Part division	Classification Type name Part division Product-specific type Producer	
Other attributes				Contract	Contract Hole requirement Material	Contract Hole requirement Material	

Building element **Electrical components**
Description Applies to all types of components for electrical installations (boards, control units, rack cabinets, luminaires, plugs, workstations etc.)
Revision date 26-11-2015

	Information level 1	Information level 2	Information level 3	Information level 4	Information level 5	Information level 6	Information level 7
Illustration							
Description			Components are modelled as generic volume objects in expected max. outer contour. Expected location and orientation of components.	Components are modelled in specified max. outer dimensions. Specified location and orientation of components.	Components are modelled in final outer dimensions. Final location and orientation of components.	Components are modelled in final dimensions based on actual choice of product. Final location and orientation of components.	
Mandatory shape and location attributes (attribute classes F, G)			No attributes	Width Height Length Diameter Depth	Width Height Length Diameter Depth Location (e.g. building number, floor or room number) Elevation	Width Height Length Diameter Depth Location (e.g. building number, floor or room number) Elevation	
Mandatory attributes (attribute classes A-E, H-R)			Classification Type name	Classification Type name	Classification Type name	Classification Type name Product-specific type Producer	
Other attributes				Contract	Contract Data for embedded electrical Ducts and boxes Elevation ID numbers (group numbers, component-IDs etc.)	Contract Data for embedded electrical Ducts and boxes Elevation ID numbers (group numbers, component-IDs etc.)	

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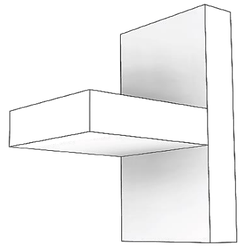
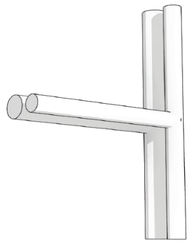
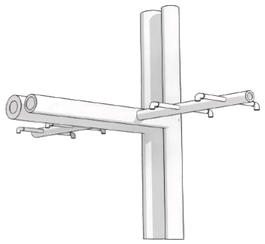
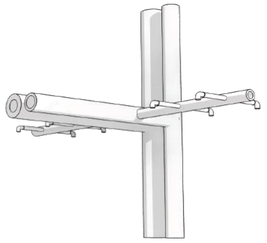
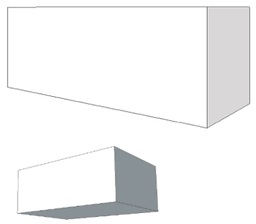
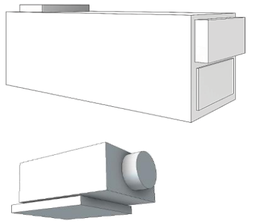
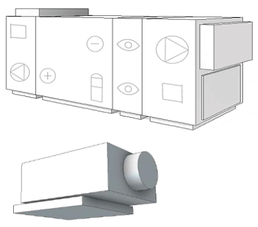
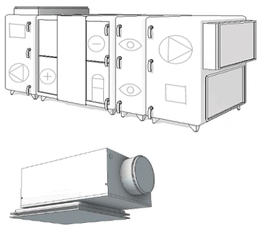
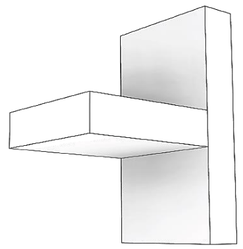
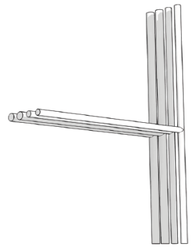
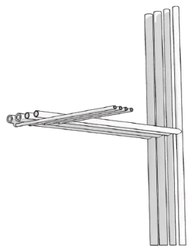
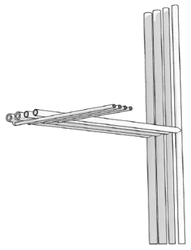
Building element **Ventilation routings**
Description Applies to channels and channel fittings
Revision date 26-11-2015

	Information level 1	Information level 2	Information level 3	Information level 4	Information level 5	Information level 6	Information level 7
Illustration							
Description			Conduits are modelled as common generic volume objects for all installations in expected max. outer contour. Expected location and orientation.	Conduits are modelled in specified max. outer channel dimensions plus any insulation. Specified location and orientation of channels, fittings and poss. insulation.	Conduits are modelled in specified outer channel dimensions plus any insulation. Final location and orientation of channels, fittings and poss. insulation.	Conduits are modelled in final channel dimensions based on actual choice of product, and with any insulation. Final location and orientation of channels, fittings and poss. insulation.	
Mandatory shape and location attributes (attribute classes F, G)			No attributes	Width Height Length Diameter	Width Height Length Diameter Location (e.g. Building number, floor or room number) Elevation	Width Height Length Diameter Location (e.g. building number, floor or room number) Elevation Production length	
Mandatory attributes (attribute classes A-E, H-R)			Classification Type name	Classification Type name Insulation thickness	Classification Type name Insulation thickness Material Insulation type	Classification Type name Insulation thickness Material Insulation type Product-specific type Producer	
Other attributes				Contract	Contract Hole requirement Air volume	Contract Hole requirement Air volume	

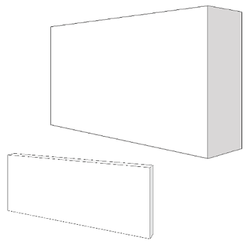
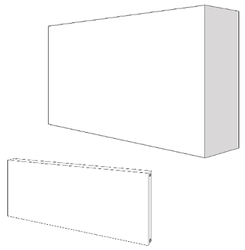
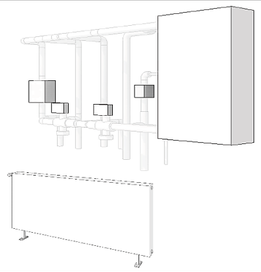
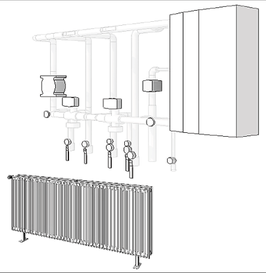
Building element **Ventilation components**
Description Applies to all types of components for ventilation (ventilation units, fans, diffusers, dampers, silencers etc.)
Revision date 26-11-2015

	Information level 1	Information level 2	Information level 3	Information level 4	Information level 5	Information level 6	Information level 7
Illustration							
Description			Components are modelled as generic volume objects in expected max. outer contour. Expected location and orientation of components.	Components are modelled in specified max. outer dimensions. Specified location and orientation of components.	Components are modelled in final outer dimensions. Final location and orientation of components.	Components are modelled in final dimensions based on actual choice of product. Final location and orientation of components.	
Mandatory shape and location attributes (attribute classes F, G)			No attributes	Width Height Length Diameter Depth	Width Height Length Diameter Depth Location (e.g. building number, floor or room number) Elevation	Width Height Length Diameter Depth Location (e.g. building number, floor or room number) Elevation	
Mandatory attributes (attribute classes A-E, H-R)			Classification Type name	Classification Type name	Classification Type name	Classification Type name Product-specific type Producer	
Other attributes				Contract	Contract Unit type	Contract Unit type	

Building element **Heating and sanitation routings**
Description Applies to pipes and pipe fittings
Revision date 26-11-2015

	Information level 1	Information level 2	Information level 3	Information level 4	Information level 5	Information level 6	Information level 7
Illustration							
Description			Conduits are modelled as common generic volume objects for all installations in expected max. outer contour. Expected location and orientation.	Conduits are modelled in specified max. outer pipe dimensions plus any insulation. Specified location and orientation of pipes, fittings and poss. insulation.	Conduits are modelled in final outer pipe dimensions plus any insulation. Final location and orientation of pipes, fittings and poss. insulation.	Conduits are modelled in final pipe dimensions based on actual choice of product, and with any insulation. Final location and orientation of pipes, fittings and poss. insulation.	
Mandatory shape and location attributes (attribute classes F, G)			No attributes	Length Diameter	Length Diameter Location (e.g. building number, floor or room number) Elevation	Length Diameter Location (e.g. building number, floor or room number) Elevation Production length	
Mandatory attributes (attribute classes A-E, H-R)			Classification Type name	Classification Type name Insulation thickness	Classification Type name Insulation thickness Material Insulation type	Classification Type name Insulation thickness Material Product-specific type Producer Insulation type	
Other attributes				Contract	Contract Hole requirement	Contract Hole requirement	

Building element **Heating and sanitation components**
Description Applies to all types of components for heating and sanitation (exchangers, vessels, filters, pumps, valves, radiators etc.)
Revision date 26-11-2015

	Information level 1	Information level 2	Information level 3	Information level 4	Information level 5	Information level 6	Information level 7
Illustration							
Description			Components are modelled as generic volume objects in expected max. outer contour. Expected location and orientation of components.	Components are modelled in specified max. outer dimensions incl. Specified location and orientation of components.	Components are modelled in final outer dimensions. Final location and orientation of components.	Components are modelled in final dimensions based on actual choice of product. Final location and orientation of components.	
Mandatory shape and location attributes (attribute classes F, G)			No attributes	Length Diameter	Length Diameter Location (e.g. building number, floor or room number) Elevation	Length Diameter Location (e.g. building number, floor or room number) Elevation Production length	
Mandatory attributes (attribute classes A-E, H-R)			Classification Type name	Classification Type name Insulation thickness	Classification Type name Insulation thickness Material Insulation type	Classification Type name Insulation thickness Material Product-specific type Producer Insulation type	
Other attributes				Contract	Contract Hole requirement	Contract Hole requirement	