

BG Graspontner GmbH & Co KG
Monolithic drainage-system FILCOTEN[®] one
BIM-user-guide – Revit 2016



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1. General name convention

composition of the family-name:

„fbimFi_Com_CNR_at_BGC_Rinnensystem_FilcotenOne_NW150/NW200“

(Manufacturer Graspointhner, indiv. object as common family, for Austria, out of concrete)

„---BGC_FILCOTENone_NW150/NW200_Elementtyp“

Designation for the components of the channel system interleaved in the main object

Binding character is " _ "

No mutated vowels

Dimensions in cm, separator is a dot

2. Fundamental

All BG BIM Data have been created in Autodesk Revit 2016.

The BIM files are created as Revit 'Family' files which can be identified by the file extension '.rfa' and should not be confused with Revit project files that have '.rvt' extension.

All files are created as 'Face Based Models' and therefore they can be placed on any horizontal or sloped surface within the project.

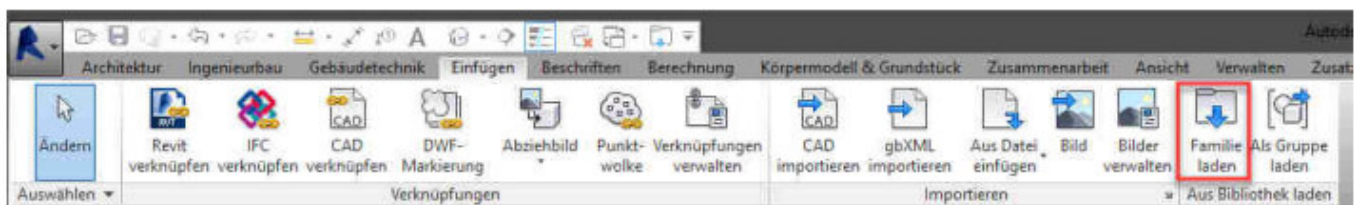
Basically, a family copy consists of:

- infinitely many main elements (length = 1000 mm)
- Accessoire-elements
 - Revision-element
 - Outlet-element upper part
 - Outlet-element lower part
 - front- and end-plates
 - connector-plate

3. Instructions for using the monolithic channel system FILCOTEN one in Revit

3.1. Load family

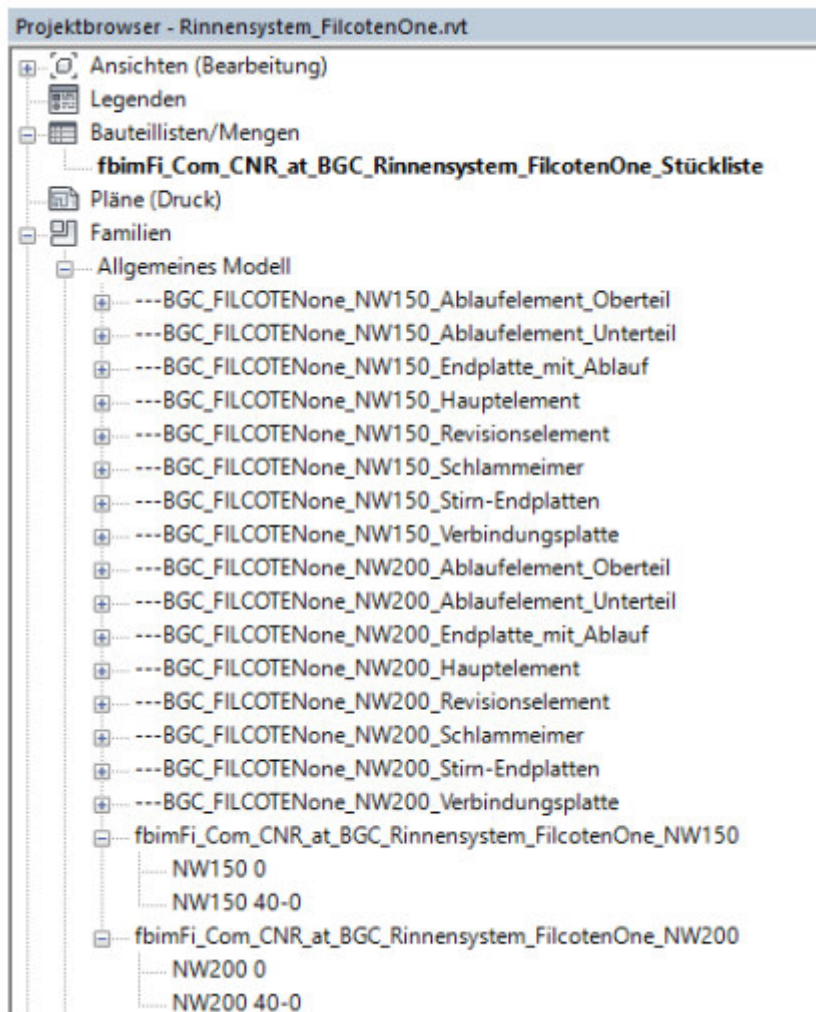
- „Insert“ > „load family“



- Navigate from within the 'Load Family' window to the desired '.rfa' (Revit Family File).

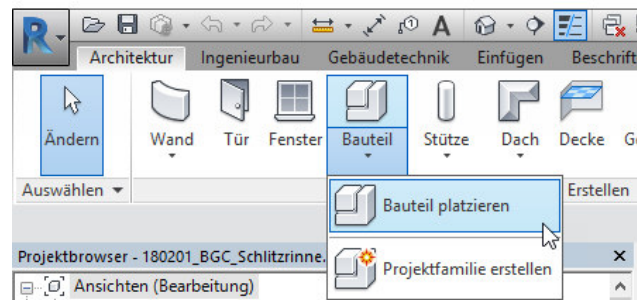
3.2. Location of the loaded families in the project browser

- Project browser > Family > general model

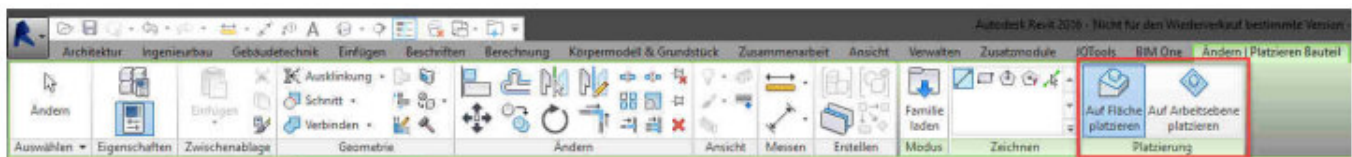


3.3. Create an example/copy

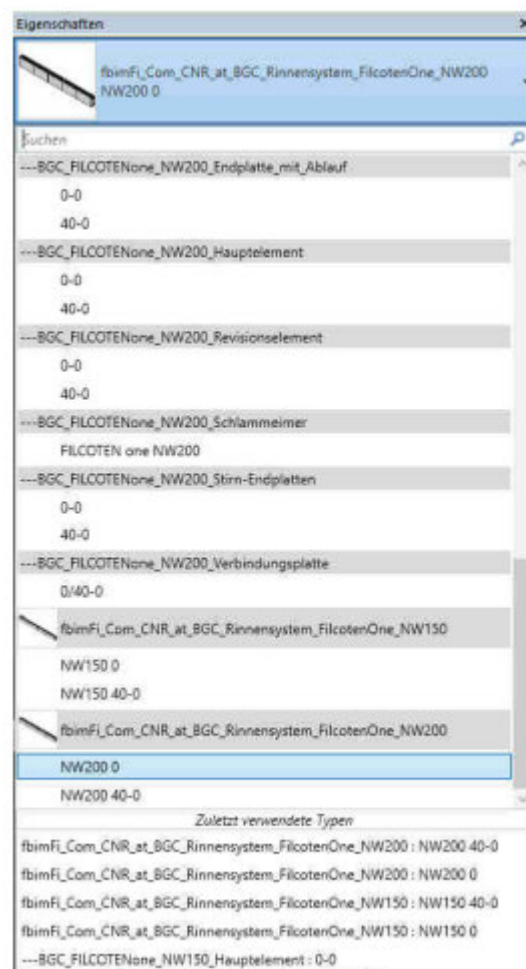
- „Architecture“ > „Component“ >



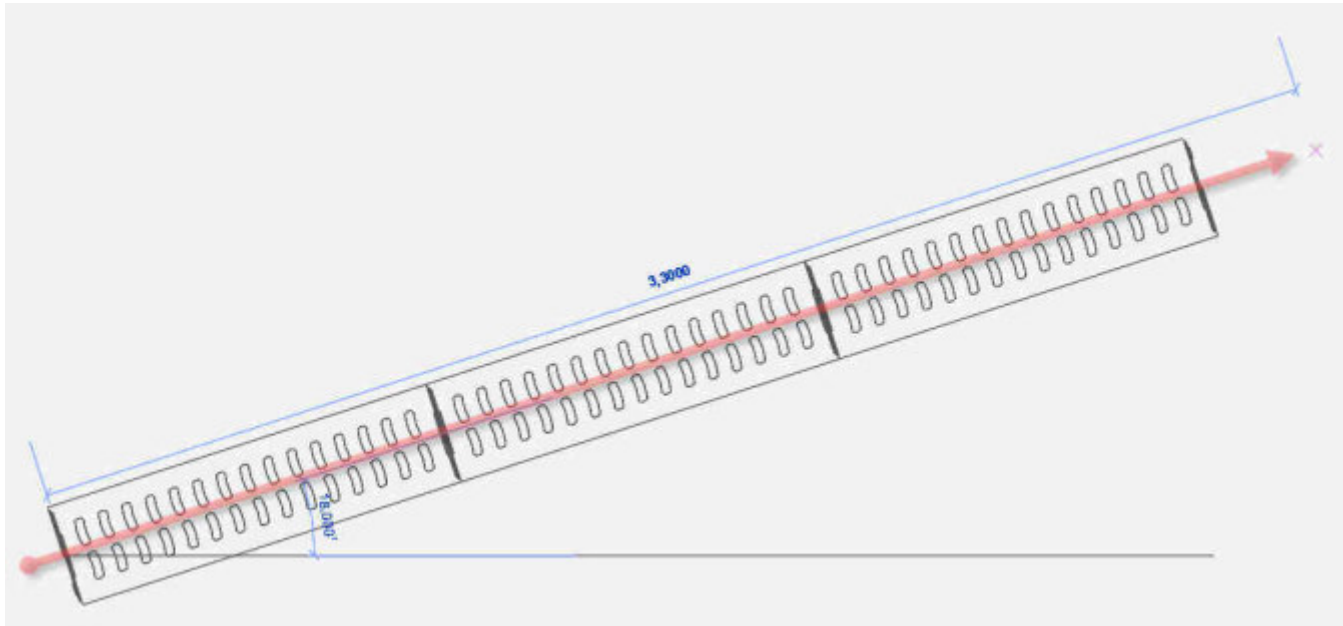
- „modify“ > place component „place on face“ or „place on work-plane“



- characteristics > Select the channel system from the drop-down list

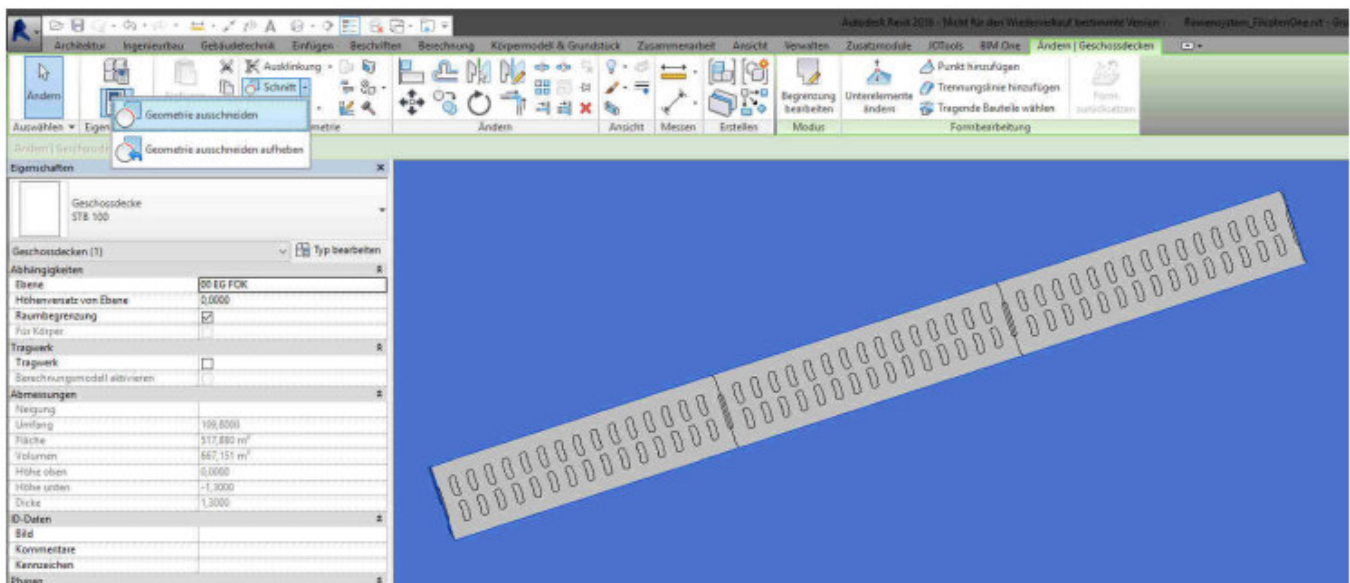


- Place the channel line with the start and end points (draw line)



3.4. Base component (e.g., floor ceiling) cut with the channel

- Select Item > Modify > Cut > Cut Geometry
- First selection: Select the item to be cut > Select base component
- Select the family copy. That you want to use for cutting "Select channel"



- Tip: A yellow border around one copy (subtract body) means that the item was not cut out of any base member. The subtract body is not visible when printing.

3.5. Change family example/copy

- Select item> Properties> Start / End element Set Visibility
- Select item> Properties> Select Type / Fit Type

Eigenschaften:

fbimFi_Cor_CNR_at_BGC_Rinnensystem_FilcotenOne_NW200
NW200 0

Allgemeines Modell (1) Typ bearbeiten

Abhängigkeiten

Länge: 3,3000
Versatz: 0,0000
Arbeitsebene: Geschossdecke: STB 100

Abmessungen

Volumen:

ID-Daten

Bild:
Kommentare:
Kennzeichen:

Phasen

Phase erstellt: Vorentwurf
Phase abgebrochen: Keine

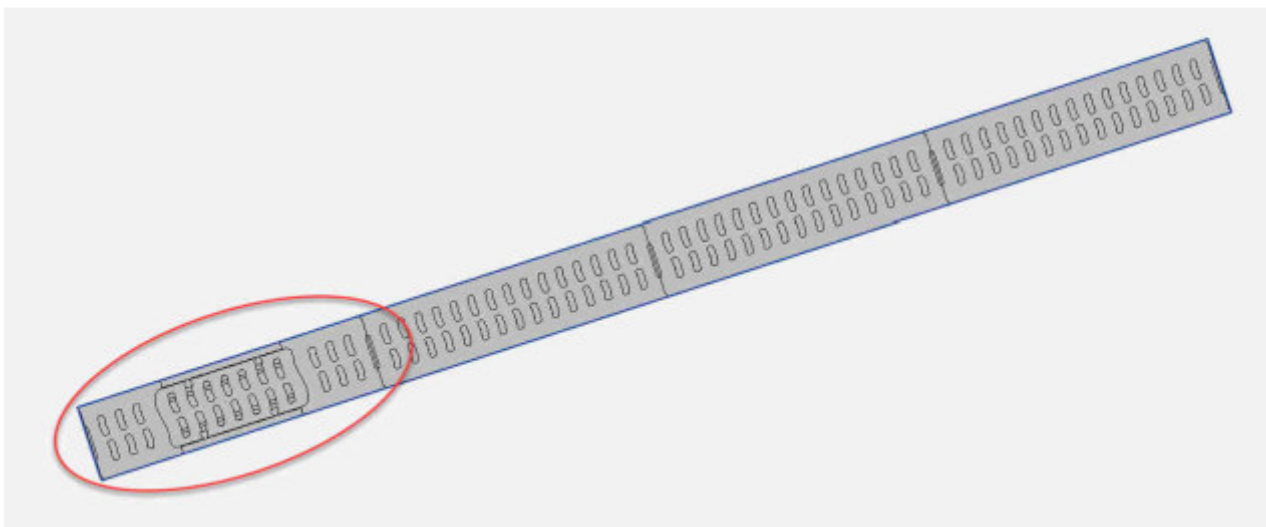
Allgemein

BGC_Rinne_Stirnplatte_Sichtbar: ☐
BGC_Rinne_ElementAnfang_Sichtbar: ☒
BGC_Rinne_ElementAnfang_Typ<Allgemeines Modell>: ---BGC_FILCOTENone_NW200_Revisionselement : 0-0
 BGC_Rinne_ElementEnde<Allgemeines Modell>: ---BGC_FILCOTENone_NW200_Hauptelement : 0-0
 BGC_Rinne_ElementEnde_Sichtbar: ☐
 BGC_Rinne_Endplatte_Typ<Allgemeines Modell>: ---BGC_FILCOTENone_NW200_Stirn-Endplatten : 0-0
 BGC_Rinne_Endplatte_Sichtbar: ☐

Sonstige

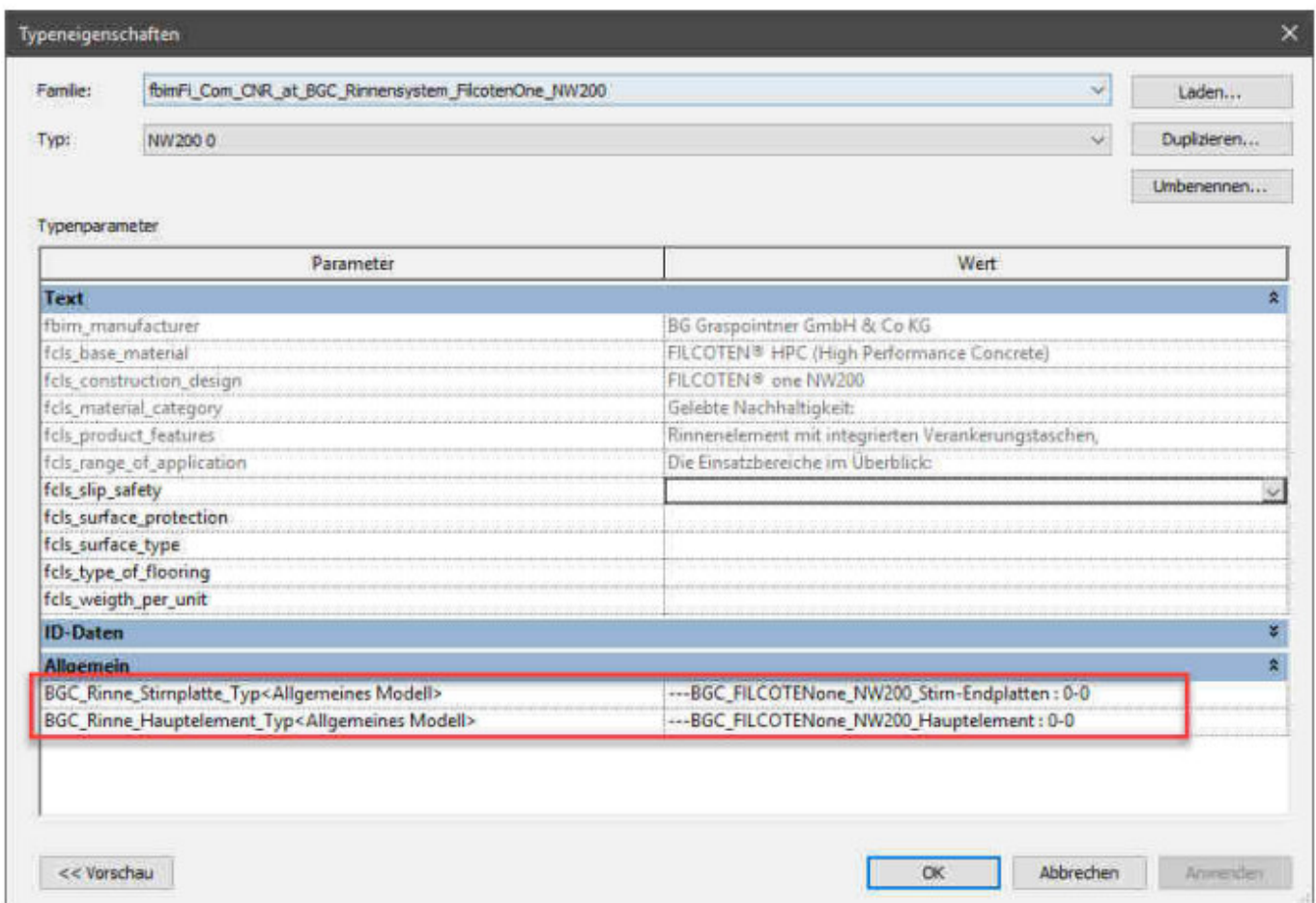
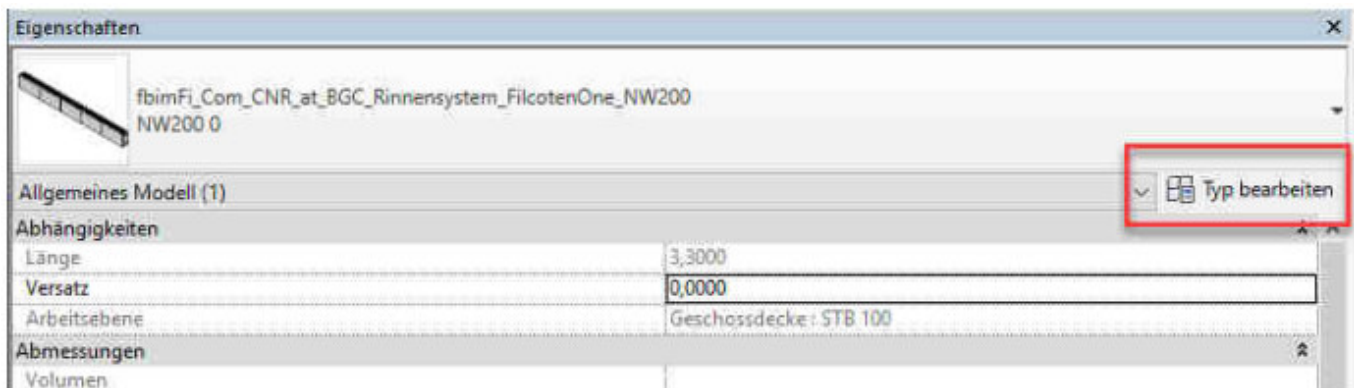
BGC_Rinne_Element_1: ☐
 BGC_Rinne_HauptElement_Anzahl: 3
 BGC_Rinne_HauptElement_Anzahl_Berechnet: 3,000000

[Hilfe zu Eigenschaften](#) Anwenden



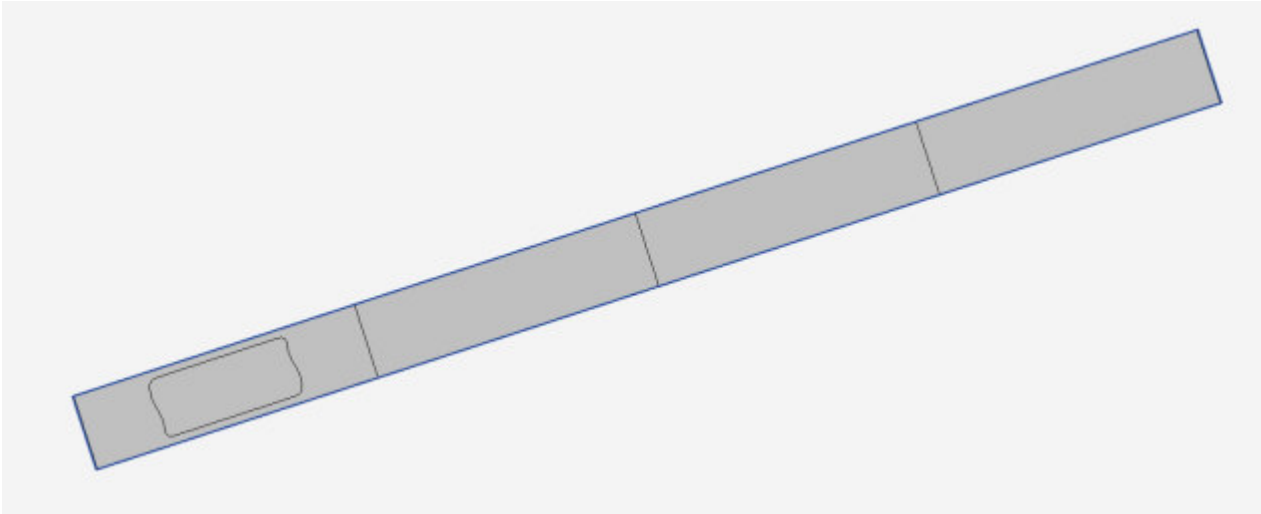
3.6.Change Family type

- Select Item> Properties> Edit Type> Duplicate Type> enter Type Name
- Replace channel elements_type

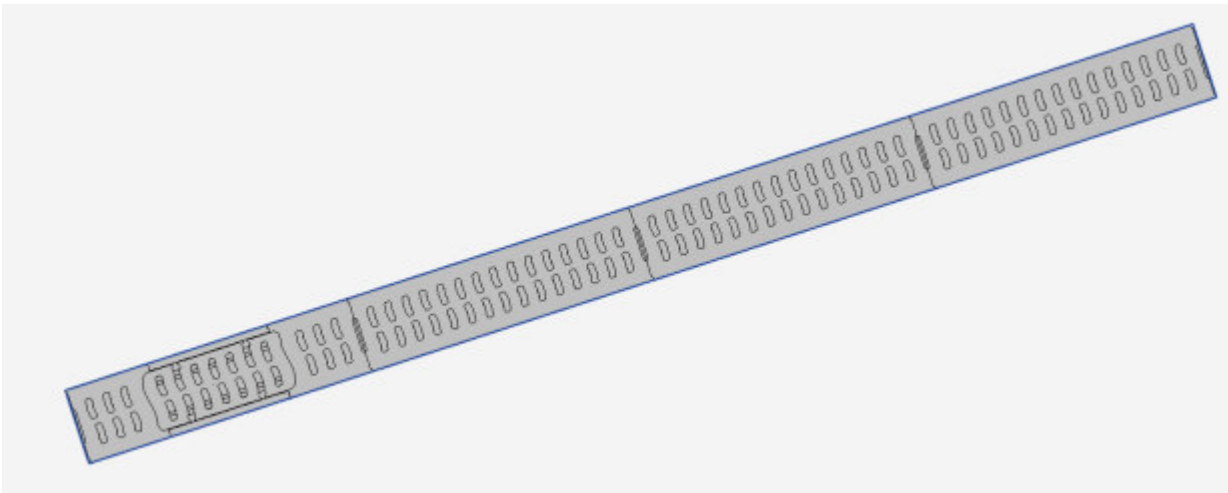


3.7. Level of detail, scale

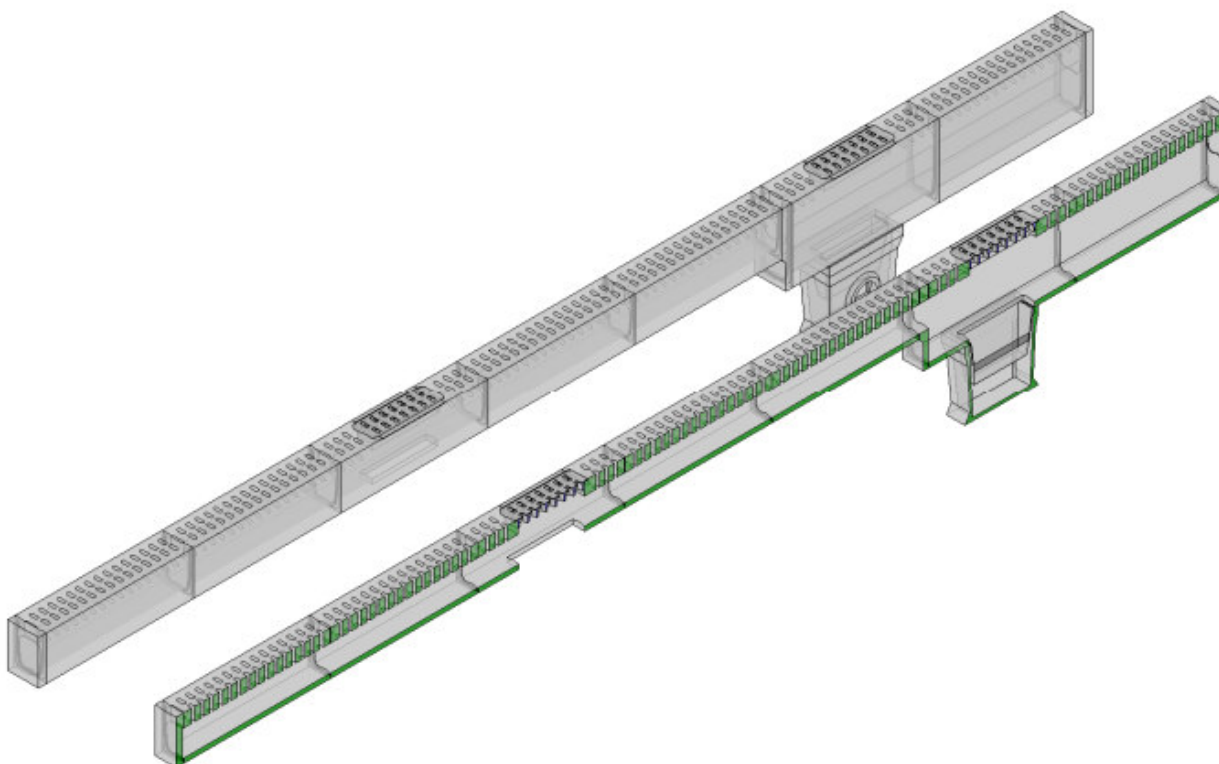
DRAFT - Coarse, 1: 200



SUBMISSION - means, 1: 100 | EXECUTION - Fine, 1:50



3.8. System-view 3D (FILCOTEN one NW150)



3.9. Bill of material - calculation of seal length

<fbimFi_Com_CNR_at_BGC_Rinnensystem_FilcotenOne_Stückliste>							
A	B	C	D	E	F	G	H
Stückzahl	Artikelnummer	Beschreibung	BGC_Rinne_Element_Dichtung_Länge	fcis_length	fcis_nominal_pos	form_manufacturer	Kosten
FILCOTEN one NW150							
4	22511	Schleimstreifen zu Sinkkasten, Kunststoff	0,00	1,76		BG Graspointner GmbH & Co KG	
11	15015100	Rinnenkörper FILCOTEN one NW 150 Nr. 0, Lx1000 mm, SW 23/70mm	7,16	11,00	Li&Ht 1000x210x300 mm	BG Graspointner GmbH & Co KG	
11	15015168	Rinnenkörper FILCOTEN one NW 150 Nr. 40-G, Lx1000 mm, SW 23/70mm	11,65	11,00	Li&Ht 1000x210x300 mm	BG Graspointner GmbH & Co KG	
4	15015170	Absaufelement Nr. 0, Lx1000 mm inkl. Gussrost	2,64	4,00	Li&Ht 1000x210x300 mm	BG Graspointner GmbH & Co KG	
4	15015178	Absaufelement Nr. 40-G, Lx1000 mm inkl. Gussrost	4,24	4,00	Li&Ht 1000x210x300 mm	BG Graspointner GmbH & Co KG	
2	15015180	Revisionselement Nr. 0, Lx1000 mm inkl. Gussrost	1,32	2,00	Li&Ht 1000x210x300 mm	BG Graspointner GmbH & Co KG	
1	15015188	Revisionselement Nr. 40-G, Lx1000 mm inkl. Gussrost	1,06	1,00	Li&Ht 1000x210x300 mm	BG Graspointner GmbH & Co KG	
6	19115095	Absaufelement Unterbau, Ablauf DN150, El. F	0,00	3,00	Li&Ht 500x245x480 mm	BG Graspointner GmbH & Co KG	
9	19115100	Stirn-/Endplatte, Nr. 0, ohne Ablauf	1,98	0,16	Li&Ht 65x210x300 mm	BG Graspointner GmbH & Co KG	
6	19115108	Stirn-/Endplatte, Nr. 0, ohne Ablauf	6,35	0,22	Li&Ht 65x210x300 mm	BG Graspointner GmbH & Co KG	
1	19115110	Endplatte, Nr. 0, mit Ablauf DN 150	0,66	0,05	Li&Ht 54x210x300 mm	BG Graspointner GmbH & Co KG	
1	19115118	Endplatte, Nr. 40-G, mit Ablauf DN 150	1,06	0,05	Li&Ht 54x210x300 mm	BG Graspointner GmbH & Co KG	
3	19115157	Verbindungsplatte, Nr. 0 auf 40-G	3,18	0,22	Li&Ht 74x210x300 mm	BG Graspointner GmbH & Co KG	
			41,37	38,97			
FILCOTEN one NW200							
2	22511	Schleimstreifen zu Sinkkasten, Kunststoff	0,00	0,89		BG Graspointner GmbH & Co KG	
15	15020100	Rinnenkörper FILCOTEN one NW 200 Nr. 0, Lx1000 mm, SW 23/70mm	11,60	15,00	Li&Ht 1000x260x335 mm	BG Graspointner GmbH & Co KG	
9	15020168	Rinnenkörper FILCOTEN one NW 200 Nr. 40-G, Lx1000 mm, SW 23/70mm	10,56	9,00	Li&Ht 1000x260x335 mm	BG Graspointner GmbH & Co KG	
3	15020170	Absaufelement Nr. 0, Lx1000 mm inkl. Gussrost	2,32	3,00	Li&Ht 1000x260x335 mm	BG Graspointner GmbH & Co KG	
3	15020178	Absaufelement Nr. 40-G, Lx1000 mm inkl. Gussrost	3,52	3,00	Li&Ht 1000x260x335 mm	BG Graspointner GmbH & Co KG	
2	15020180	Revisionselement Nr. 0, Lx1000 mm inkl. Gussrost	1,55	2,00	Li&Ht 1000x260x335 mm	BG Graspointner GmbH & Co KG	
1	15020188	Revisionselement Nr. 40-G, Lx1000 mm inkl. Gussrost	1,17	1,00	Li&Ht 1000x260x335 mm	BG Graspointner GmbH & Co KG	
4	19120095	Absaufelement Unterbau, Ablauf DN200, El. F	0,00	2,00	Li&Ht 600x309x480 mm	BG Graspointner GmbH & Co KG	
4	19120108	Stirn-/Endplatte, Nr. 40-G, ohne Ablauf	4,69	0,27	Li&Ht 65x260x335 mm	BG Graspointner GmbH & Co KG	
1	19120110	Endplatte, Nr. 0, mit Ablauf DN 200	0,77	0,07	Li&Ht 65x260x335 mm	BG Graspointner GmbH & Co KG	
1	19120118	Endplatte, Nr. 40-G, mit Ablauf DN 200	1,17	0,07	Li&Ht 65x260x335 mm	BG Graspointner GmbH & Co KG	
1	19120157	Verbindungsplatte, Nr. 0 auf 40-G	1,17	0,07	Li&Ht 74x260x335 mm	BG Graspointner GmbH & Co KG	
			38,52	38,38			
Gesamt: 102			Dichtung Gesamtlänge	79,69	74,66		

3.10. Transferring the bill of material template in your own Revit project

