MagiCAD RS

Beskrivelse af DEN lokaliseringen

Dato: 2020-03-06

Forfatter: JHE m.fl.

Korrekturlæser: -

Indholdsfortegnelse

Lokalisering DEN-MCREV-2021_a

Denne lokalisering indeholder både EL, VVS og VENTILATION og bygger oven på de tidligere lokaliseringer, der ud over beskrivelsen i dette dokument, er beskrevet i dokumenterne DEN-MCREV-E-2019_c.pdf og DEN-MCREV-MP-2019_c.pdf

Bortset fra filformatet er lokaliseringen til Revit 2021, Revit 2020 og Revit 2019 identisk med lokaliseringen til Revit 2018.

MP lokalisering til MagiCAD på Revit 2018, består ud over dette dokument af fire filer.

DEN-MCREV-2021_a_r2018.mrv (dataset)

DEN-MCREV-2021_a_r2018.rte (Revit template)

DEN-MCREV-2021_car2018.mcd (description fil)

NTItools_DK_MEP_Shared parameters .txt

MP lokalisering til MagiCAD på Revit 2019, består ud over dette dokument af fire filer.

DEN-MCREV-2021_a_r2019.mrv (dataset)

DEN-MCREV-2021_a_r2019.rte (Revit template)

DEN-MCREV-2021_a_r2019.mcd (description fil)

NTItools_DK_MEP_Shared parameters .txt

MP lokalisering til MagiCAD på Revit 2020, består ud over dette dokument af fire filer.

DEN-MCREV-2021_a_r2020.mrv (dataset)

DEN-MCREV-2021_a_r2020.rte (Revit template)

DEN-MCREV-2021_a_r2020.mcd (description fil)

NTItools_DK_MEP_Shared parameters .txt

MP lokalisering til MagiCAD på Revit 2021, består ud over dette dokument af fire filer.

DEN-MCREV-2021_a_r2021.mrv (dataset)

DEN-MCREV-2021_a_r2021.rte (Revit template)

DEN-MCREV-2021_a_r2021.mcd (description fil)

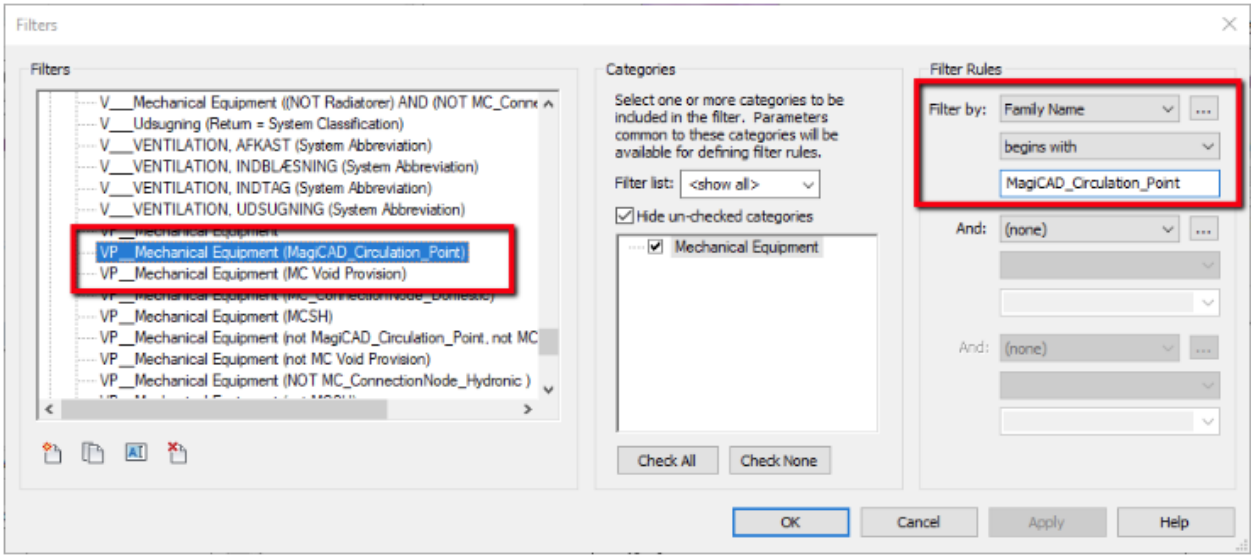
NTItools_DK_MEP_Shared parameters .txt

Herudover indeholder lokaliseringen nogle tegningshoveder, tegningsrammer og tags

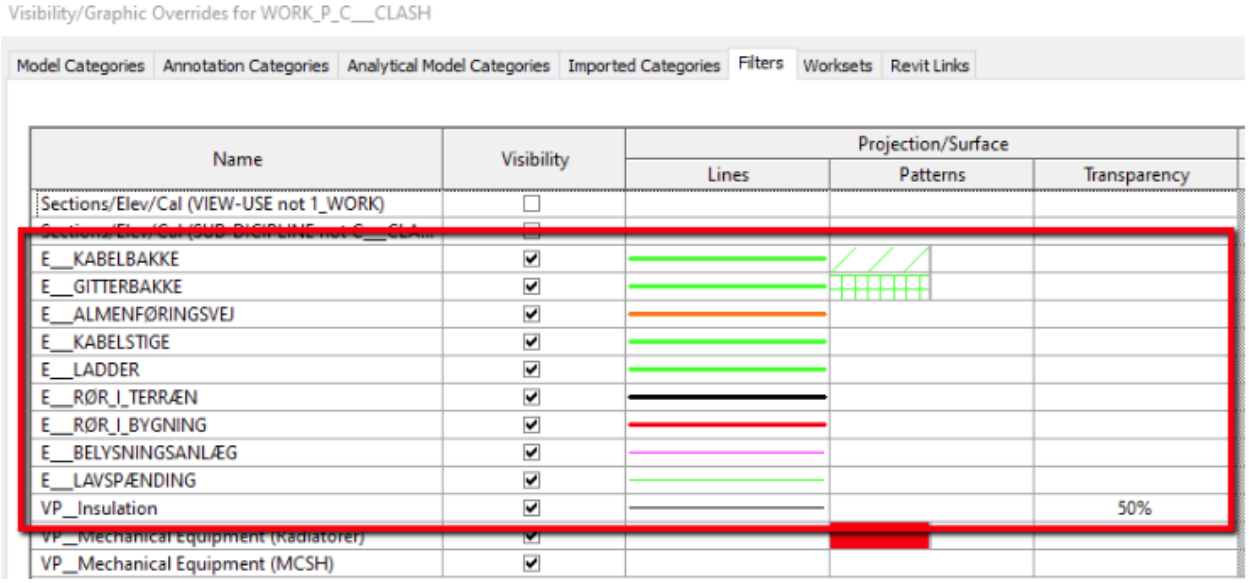
Template

View templates, Filtre:

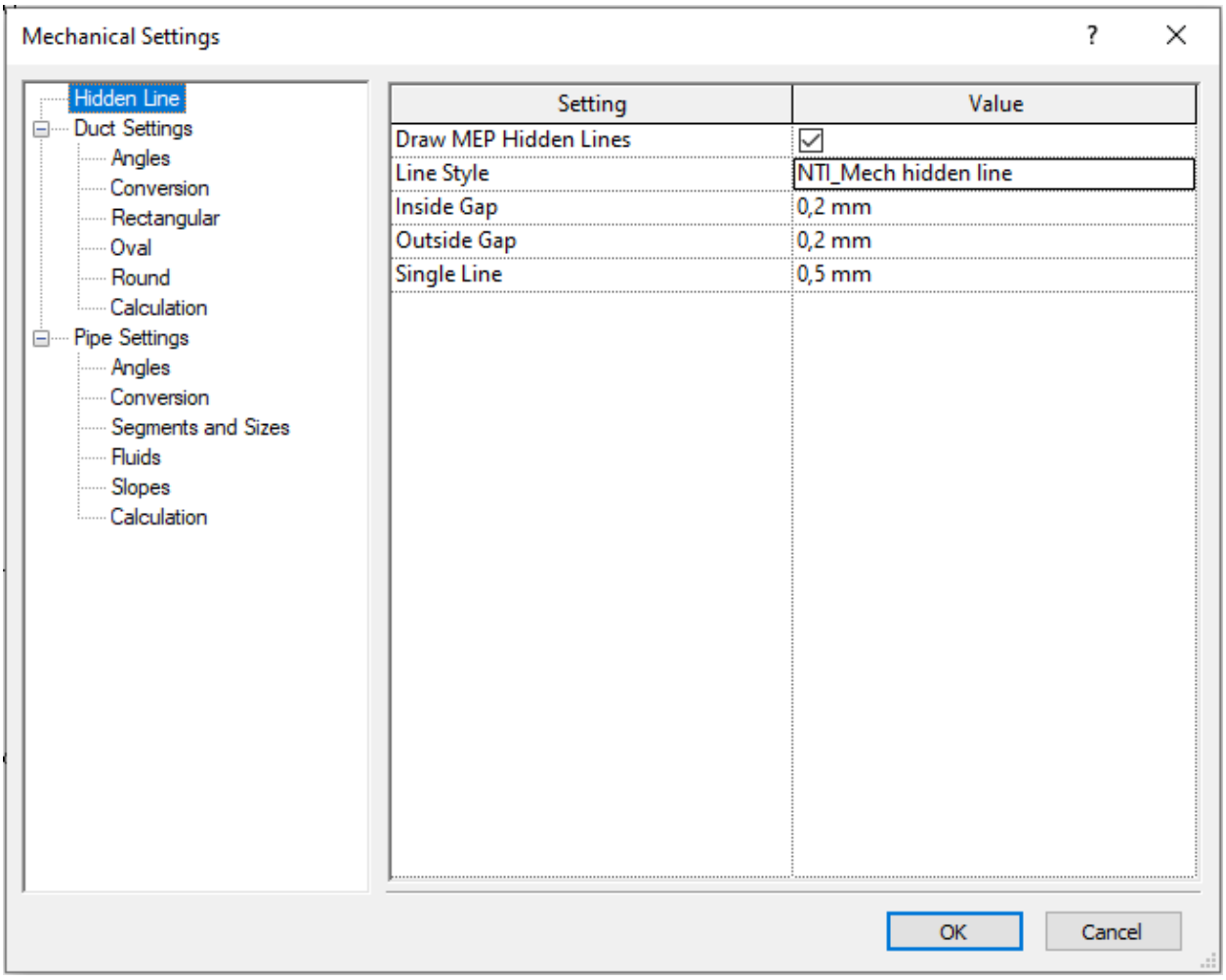
- Nedenstående filter oprettet og tilføjet view Heating viewtemplates



- View templaten WORK_C_C__CLASH har fået tilknyttet nedenstående filtre.



- Mech Hidden line er blevet ændret så inside og outside gap er 0,2 mm, derudover er der blevet tilknyttet en ny Line style NTI_Mech hidden line.



Insulation i view templates.

- Alle 3D viewtemplates er indstillet til at vise insulation på 80% transparency og halftones i V/G, er gældende for både duct og pipes
- På Alle QA Viewtemplates er overriden fjernet så isoleringen vises.
- På alle plan og section viewtemplates er pipe insulation halftonet i et filter.

Kanalserie.

Lindab TCU er udskiftet fra TCU beveled til TCU Small roundings.

Generelt:

- Template purget og renset.
- Duct Series opdateret:
    - Fleksible Kanaler
    - Lindab Rekt
    - Lindab SR
    - Lindab SR Standard

Lokalisering DEN-MCREV-2020_c

Denne lokalisering indeholder både EL, VVS og VENTILATION og bygger oven på de tidligere lokaliseringer, der ud over beskrivelsen i dette dokument, er beskrevet i dokumenterne DEN-MCREV-E-2019_c.pdf og DEN-MCREV-MP-2019_c.pdf

Bortset fra filformatet er lokaliseringen til Revit 2020 og Revit 2019 identisk med lokaliseringen til Revit 2018.

MP lokalisering til MagiCAD på Revit 2018, består ud over dette dokument af fire filer.

DEN-MCREV-2020_c_r2018.mrv (dataset)

DEN-MCREV-2020_c_r2018.rte (Revit template)

DEN-MCREV-2020_c_r2018.mcd (description fil)

NTItools_DK_MEP_Shared parameters .txt

MP lokalisering til MagiCAD på Revit 2019, består ud over dette dokument af fire filer.

DEN-MCREV-2020_c_r2019.mrv (dataset)

DEN-MCREV-2020_c_r2019.rte (Revit template)

DEN-MCREV-2020_c_r2019.mcd (description fil)

NTItools_DK_MEP_Shared parameters .txt

MP lokalisering til MagiCAD på Revit 2020, består ud over dette dokument af fire filer.

DEN-MCREV-2020_c_r2020.mrv (dataset)

DEN-MCREV-2020_c_r2020.rte (Revit template)

DEN-MCREV-2020_c_r2020.mcd (description fil)

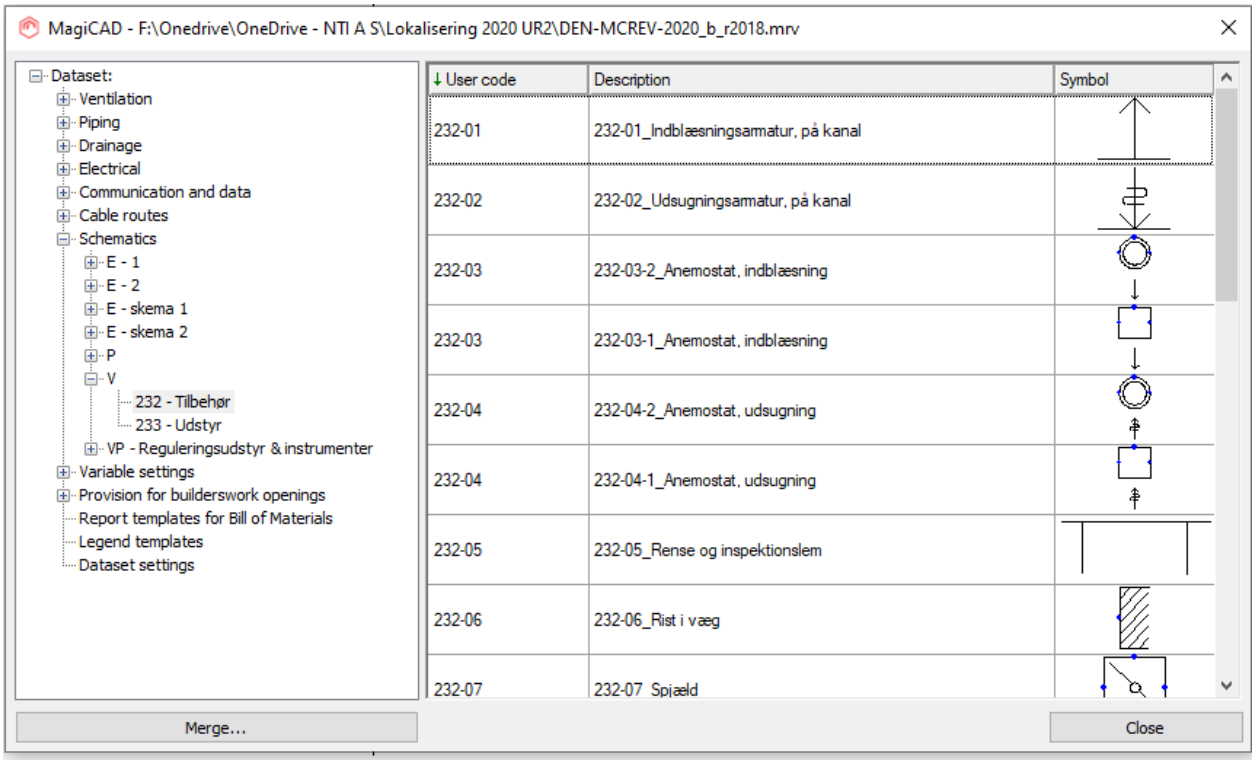
NTItools_DK_MEP_Shared parameters .txt

Herudover indeholder lokaliseringen nogle tegningshoveder, tegningsrammer og tags

Dataset

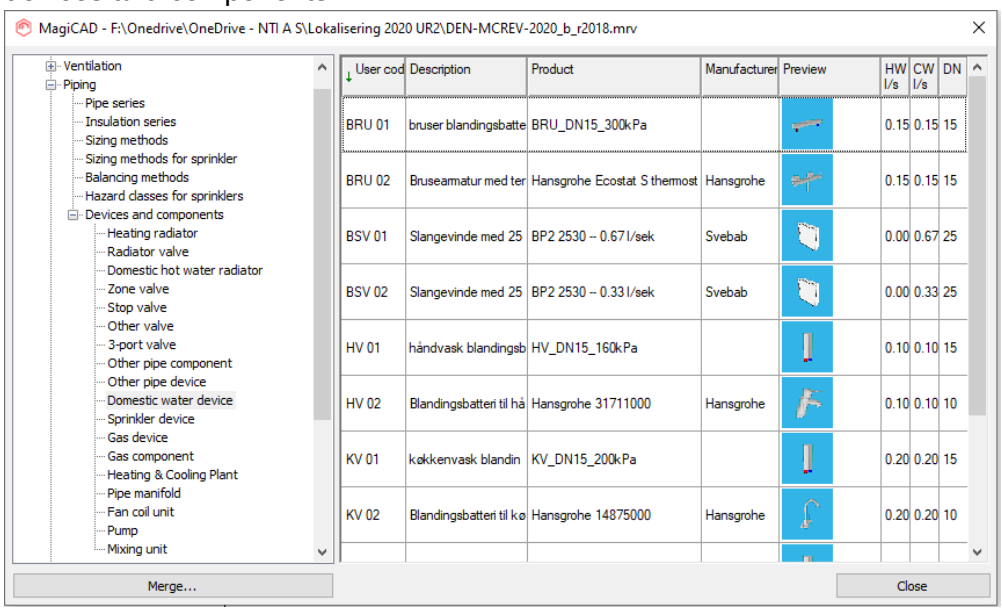
Schematics

- Tilføjet symboler til dataet filen, til brug med MC Schematics.



Products

- Ændret navngivning på produkter så den korrekte benævnelses er der, fra Pa til kPa – devices and components



- Tilføjet ESNU S og ESNU E i hhv. Supply air device og extract air device. Vær opmærksom på at tryktabs data ikke er verificeret.

	Perforeret diffusor	PKA MBB	Lindab	
	Perforeret diffusor	PCA MBB	Lindab	
	Exhaust valve	KSU	Lindab	
	Endebund med net	ESNU E		

Template

View templates, Filtre:

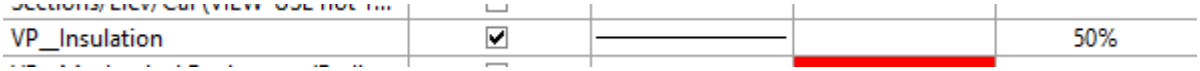
- Nye Molio farver for ventilation er ændret i template

Tabel for præsentationsform - Ventilation

Forkortelse		Farve (RGB) (A)
	Ventilation	
	Ventilation, disponering	000-255-000
INDT	Ventilation, udeluft (indtag)	141-189-000
AFK	Ventilation, afkastluft (afkast)	000-129-064
VG(F/R)	Ventilation, omluft (varmegenvinding (Frem/Retur))	000-255-000
VI	Ventilation, tilluft (indblæsning)	255-000-000
VU	Ventilation, fraluft (udsugning)	000-000-255
RVE	Røgventilation	255-126-000

- Derudover er alle duct systems sat til no override i line weight, samt no override i line pattern. Så bliver mech hidden line vist korrekt.

- VP_Insulation filteret er fjernet på alle work view der har med ducts at gøre, det var overflødigt på ducts, men det er stadigvæk på pipes work views,

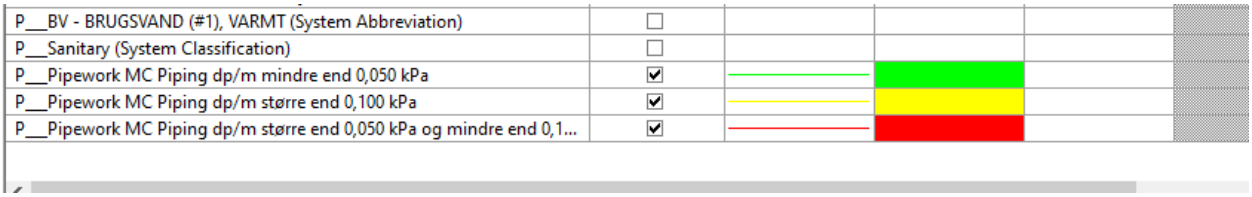


- Tilføjer fliter S-KON til viewtemplate WORK-3_C__CLASH – Solid fill = White

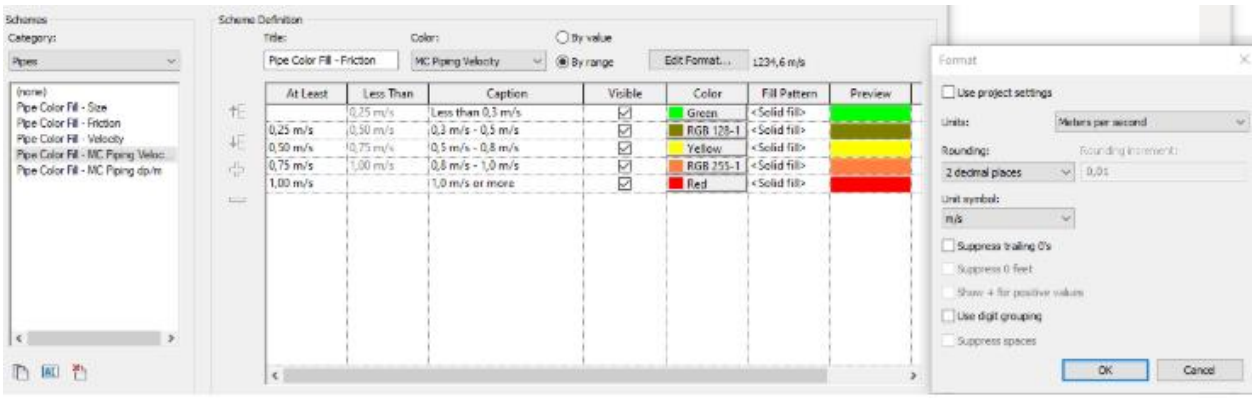
- Fjernet kategorien Floor fra all QA Viewtemplates

- 3D HEATING viewtemplate er der slukket for MagiCAD_Circulation_Point

- QA___3_P___MC PIPING dp/m er filter ændret så farverne passer med nedenstående indstillinger.



- QA___P_P___MC PIPING VELOCITY color scheme er nu med 2 decimaler



Generelt:

- Template purget og renset.
- Duct Series opdateret:
    - Fleksible Kanaler
    - Lindab Rekt
    - Lindab SR
    - Lindab SR Standard

Lokalisering DEN-MCREV-2020_b

Denne lokalisering indeholder både EL, VVS og VENTILATION og bygger oven på de tidligere lokaliseringer, der ud over beskrivelsen i dette dokument, er beskrevet i dokumenterne DEN-MCREV-E-2019_c.pdf og DEN-MCREV-MP-2019_c.pdf

Bortset fra filformatet er lokaliseringen til Revit 2020 og Revit 2019 identisk med lokaliseringen til Revit 2018.

MP lokalisering til MagiCAD på Revit 2018, består ud over dette dokument af fire filer.

DEN-MCREV-2020_b_r2018.mrv (dataset)

DEN-MCREV-2020_b_r2018.rte (Revit template)

DEN-MCREV-2020_b_r2018.mcd (description fil)

NTItools_DK_MEP_Shared parameters .txt

MP lokalisering til MagiCAD på Revit 2019, består ud over dette dokument af fire filer.

DEN-MCREV-2020_b_r2019.mrv (dataset)

DEN-MCREV-2020_b_r2019.rte (Revit template)

DEN-MCREV-2020_b_r2019.mcd (description fil)

NTItools_DK_MEP_Shared parameters .txt

MP lokalisering til MagiCAD på Revit 2020, består ud over dette dokument af fire filer.

DEN-MCREV-2020_b_r2020.mrv (dataset)

DEN-MCREV-2020_b_r2020.rte (Revit template)

DEN-MCREV-2020_b_r2020.mcd (description fil)

NTItools_DK_MEP_Shared parameters .txt

Herudover indeholder lokaliseringen nogle tegningshoveder, tegningsrammer og tags

Dataset

Ventilation

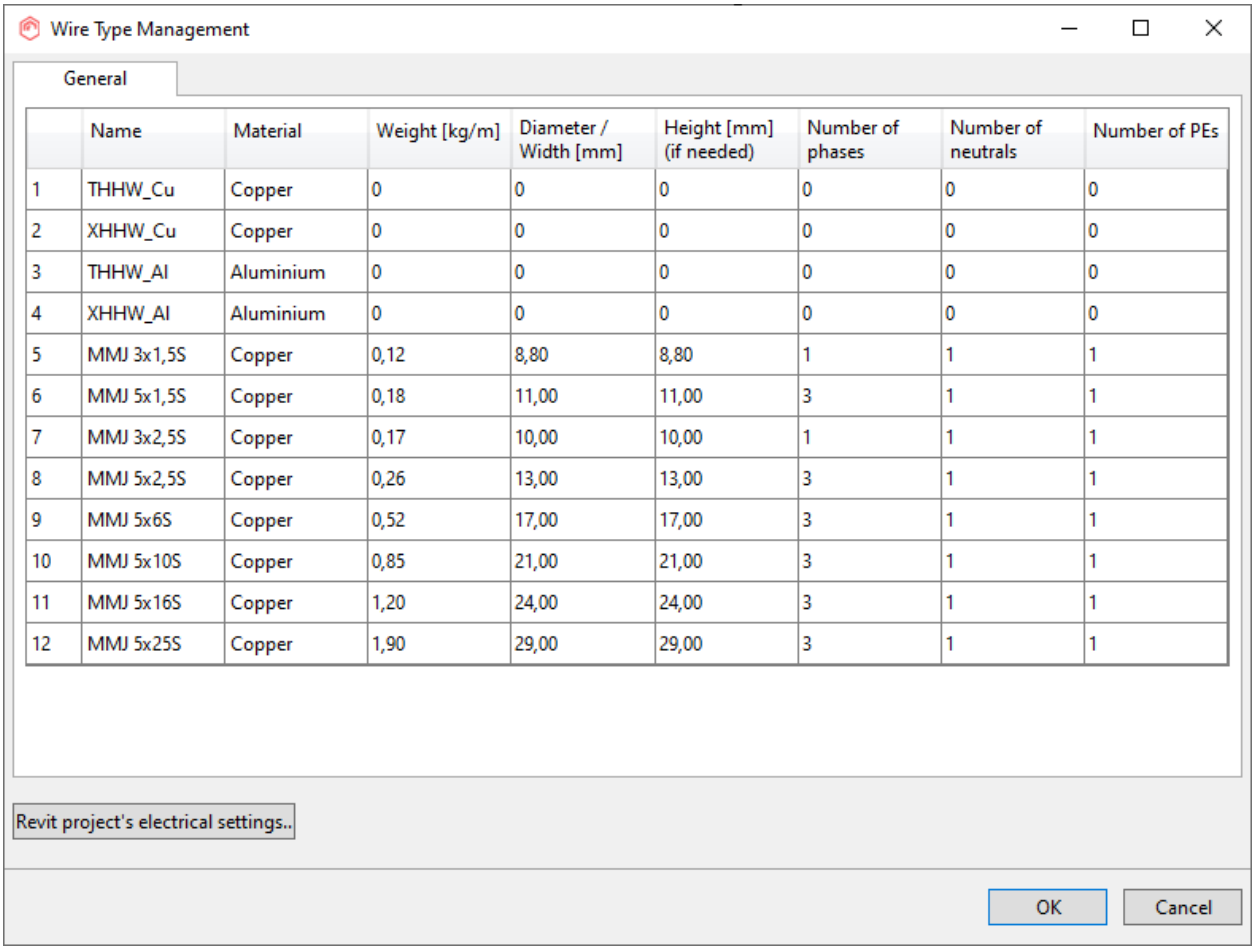
- Flangen LS LOOSE på rekt kanaler er ændret til LS_L da LS LOOSE i visse tilfælde gav årsag til fejl.
- På serien Lindab Rekt er flangerne LS og LS Loose skiftet ud med RJFP og RJFP_L, da disse i dag leveres som standard fra Lindab. LS og LS Loose (nu LS_L) er bevaret i datasettet.
- På serien Lindab Rekt er Duct Joint MAGIJ-R-*-* er udskiftet med MAGIJ-R2. Dette for at flangens størrelse ikke påvirker kanal-længder.

Afløb

- N-Branch er tilføjet drainage serien MA Afløb.

El

- Data for nye Wiring Types tilføjet:



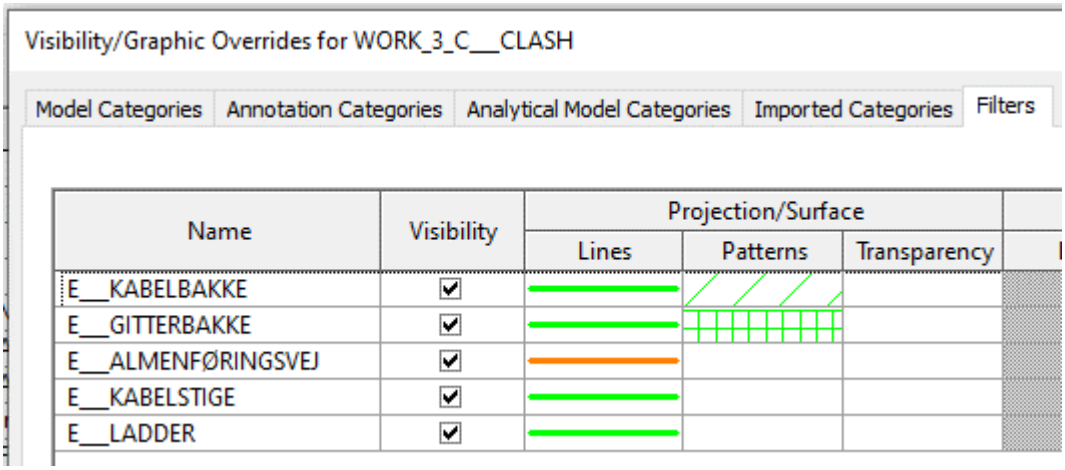
	Name	Material	Weight [kg/m]	Diameter / Width [mm]	Height [mm] (if needed)	Number of phases	Number of neutrals	Number of PEs
1	THHW_Cu	Copper	0	0	0	0	0	0
2	XHHW_Cu	Copper	0	0	0	0	0	0
3	THHW_Al	Aluminium	0	0	0	0	0	0
4	XHHW_Al	Aluminium	0	0	0	0	0	0
5	MMJ 3x1,5S	Copper	0,12	8,80	8,80	1	1	1
6	MMJ 5x1,5S	Copper	0,18	11,00	11,00	3	1	1
7	MMJ 3x2,5S	Copper	0,17	10,00	10,00	1	1	1
8	MMJ 5x2,5S	Copper	0,26	13,00	13,00	3	1	1
9	MMJ 5x6S	Copper	0,52	17,00	17,00	3	1	1
10	MMJ 5x10S	Copper	0,85	21,00	21,00	3	1	1
11	MMJ 5x16S	Copper	1,20	24,00	24,00	3	1	1
12	MMJ 5x25S	Copper	1,90	29,00	29,00	3	1	1

Template

View Types, View templates, Filtre, og Schedules:

- Floor Pattern visibility slukket i view templates for planer.
- Ny View Template: QA___P_P__MC PIPING VELOCITY med ny Pipe Legend: MC Piping Velocity
- Ny View Template: QA___P_P__MC PIPING dp/m med ny Pipe Legend:MC PIPING dp/m
- Ny View Template: QA___3_P__MC PIPING VELOCITY med følgende filtre:
    - P___Pipework MC Piping Velocity mindre end 0,25 m/sek
    - P___Pipework MC Piping Velocity større end 0,25 m/sek og mindre end 0,50 m/sek
    - P___Pipework MC Piping Velocity større end 0,50 m/sek og mindre end 0,75 m/sek
    - P___Pipework MC Piping Velocity større end 0,75 m/sek og mindre end 1,00 m/sek
    - P___Pipework MC Piping Velocity større end 1,00 m/sek
- Ny View Template: QA___3_P__MC PIPING dp/m med følgende filtre:
    - P___Pipework MC Piping dp/m mindre end 0,050 kPa
    - P___Pipework MC Piping dp/m større end 0,050 kPa og mindre end 0,100 kPa
    - P___Pipework MC Piping dp/m større end 0,100 kPa
- Ny View Template: QA___P_E_ELECTRICAL PANEL på baggrund af WORK_P_E_ELECTRICAL, med følgende filter tilføjet:
    - E___Panel tilsluttet komponenter
- Ny View Template QA___P_E_ELECTRICAL SWITCH på baggrund af WORK_P_E_ELECTRICAL, med følgende filter tilføjet:
    - E___Panel tilsluttet komponenter
    - E___Switch tilsluttet komponenter
- View Type QA___P__HEATING VELOCITY anvender nu View Template QA___P_P__MC PIPING VELOCITY
- View Type QA___P__HEATING FRICTION anvender nu View Template QA___P_P__MC PIPING dp/m
- Filtre på View Template QA___3_V__VELOCITY er ændret til at skille ved 3, 5, 7, og 9 m/sek.

- Filtre tilføjet til View Template WORK_3_C__CLASH:



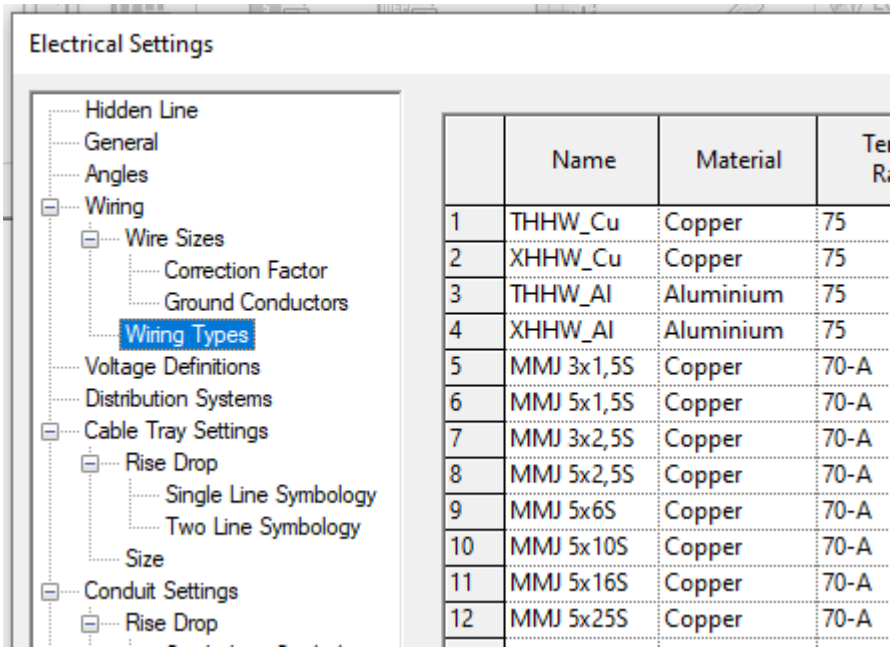
- Filtre for P_VF og P_VR ændret, så de styres af BEGINS WITH (VF/VR)i stedet for EQUALS (VF/VR)
- Isolering transparens styres kun vha. Filtre, og ikke både via filtre og Model Categories.
- Schedule «Rumskema» er erstattet af «Room Schedule» der kigger på Rooms, også fra linkede filer.
- Oprettet Space Schedule til brug for Spaces i den aktuelle i model. Kigger som udgangspunkt ikke efter Spaces i linkede filer.
- Cut Plane offset er ændret til 1800mm på SHEET loftplaner.
- Cut Plane offset er ændret til 10mm på WORK loftplaner

Families:

- Detail Items: VARME, FREM (samt primær og sekundær) er flyttet til at ligge under MC Heating Supply og VARME, RETUR (samt primær og sekundær)er flyttet til MC Heating Supply.
- Generic Annotation family MC_VERTICAL_0_DATA opdateret (anvendes på Switchboard Schematic Sheets).
- Origin family flyttet fra Level til Ref. Plane. Derved bevares Origin familien, selv hvis level slettes (evt. I forbindelse med Copy/monitor).

MEP Settings:

- Nye Wiring Types oprettet:



	Name	Material	Te R
1	THHW_Cu	Copper	75
2	XHHW_Cu	Copper	75
3	THHW_Al	Aluminium	75
4	XHHW_Al	Aluminium	75
5	MMJ 3x1,5S	Copper	70-A
6	MMJ 5x1,5S	Copper	70-A
7	MMJ 3x2,5S	Copper	70-A
8	MMJ 5x2,5S	Copper	70-A
9	MMJ 5x6S	Copper	70-A
10	MMJ 5x10S	Copper	70-A
11	MMJ 5x16S	Copper	70-A
12	MMJ 5x25S	Copper	70-A

Generelt:

- Template purget og renset.
- Duct Series opdateret:
    - Fleksible Kanaler
    - Lindab Rekt
    - Lindab SR
    - Lindab SR Standard

Lokalisering DEN-MCREV-2020_a

Denne lokalisering indeholder både EL, VVS og VENTILATION og bygger oven på de tidligere lokaliseringer, der er beskrevet i dokumenterne DEN-MCREV-E-2019_c.pdf og DEN-MCREV-MP-2019_c.pdf

Bortset fra filformatet er lokaliseringen til Revit 2020 og Revit 2019 identisk med lokaliseringen til Revit 2018.

MP lokalisering til MagiCAD på Revit 2018, består ud over dette dokument af fire filer.

DEN-MCREV-2020_a_r2018.mrv (dataset)

DEN-MCREV-2020_a_r2018.rte (Revit template)

DEN-MCREV-2020_a_r2018.mcd (description fil)

NTItools_DK_MEP_Shared parameters .txt

MP lokalisering til MagiCAD på Revit 2019, består ud over dette dokument af fire filer.

DEN-MCREV-2020_a_r2019.mrv (dataset)

DEN-MCREV-2020_a_r2019.rte (Revit template)

DEN-MCREV-2020_a_r2019.mcd (description fil)

NTItools_DK_MEP_Shared parameters .txt

MP lokalisering til MagiCAD på Revit 2020, består ud over dette dokument af fire filer.

DEN-MCREV-2020_a_r2020.mrv (dataset)

DEN-MCREV-2020_a_r2020.rte (Revit template)

DEN-MCREV-2020_a_r2020.mcd (description fil)

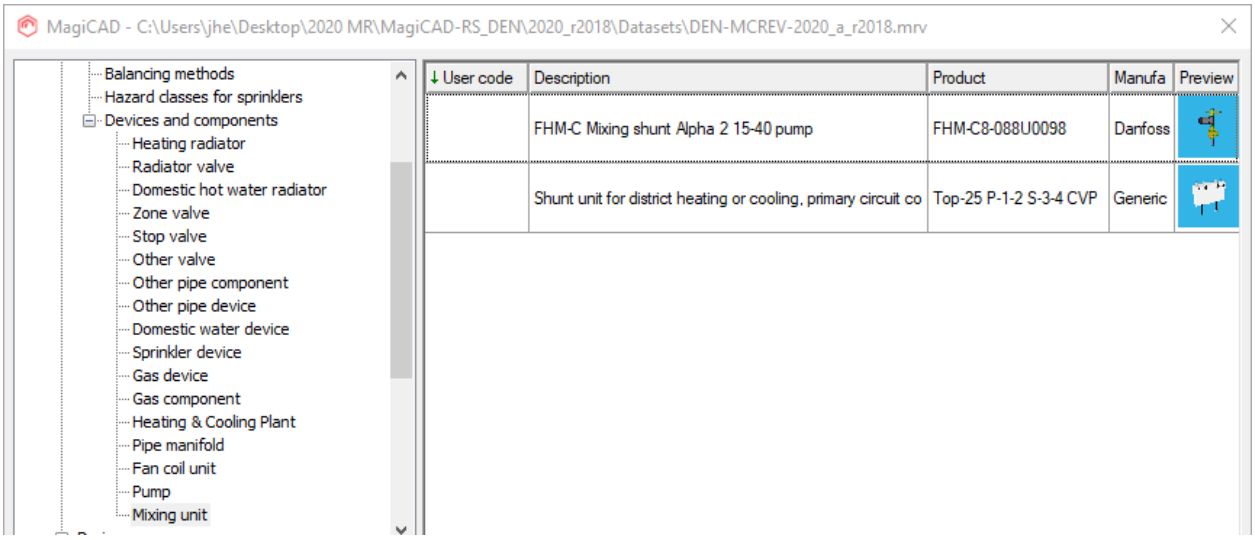
NTItools_DK_MEP_Shared parameters .txt

Herudover indeholder lokaliseringen nogle tegningshoveder, tegningsrammer og tags

Dataset

Mixing Unit

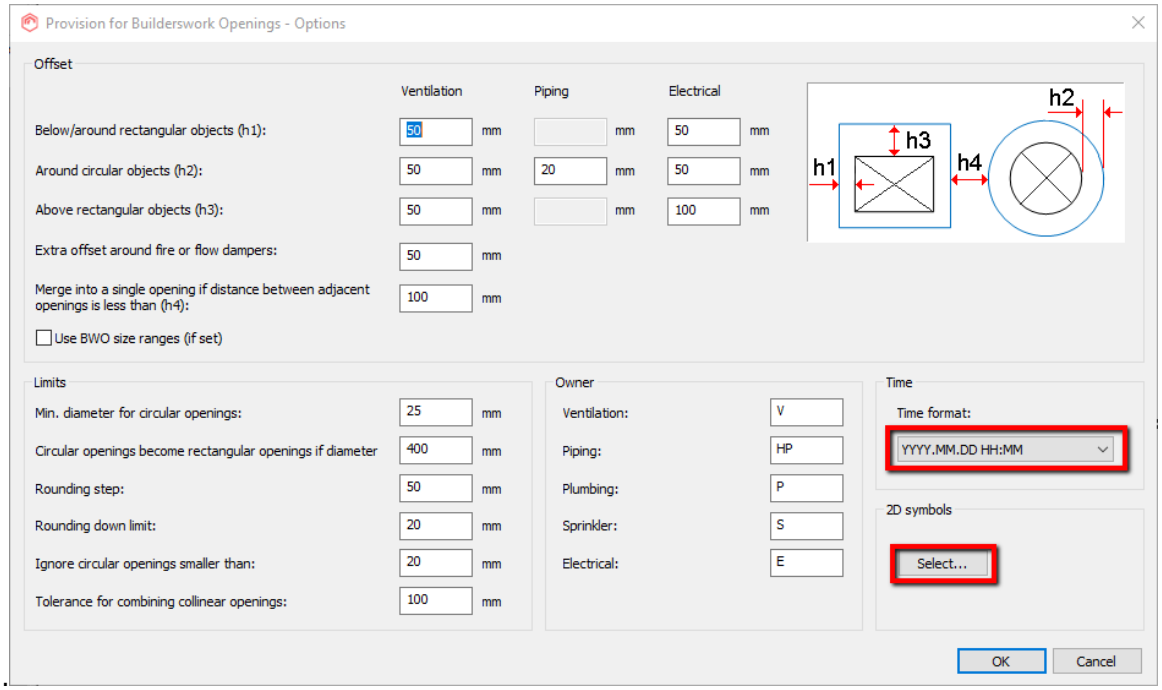
2 shunts er tilføjet. Det er bleet muligt at size og indregulere med disse.

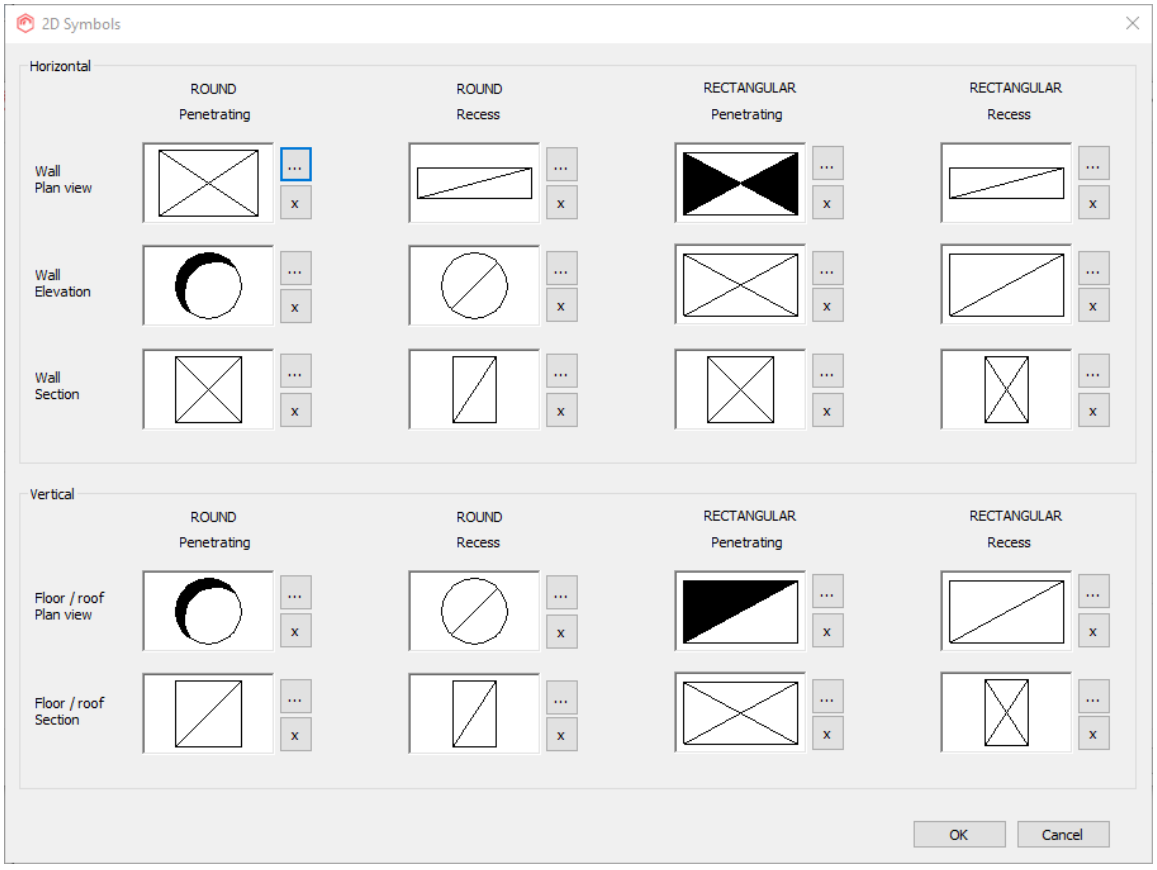


Provision for Builderswork Openings

Ved generering af ”Provision for Builderswork Openings” tilføjes nu en time stamp.

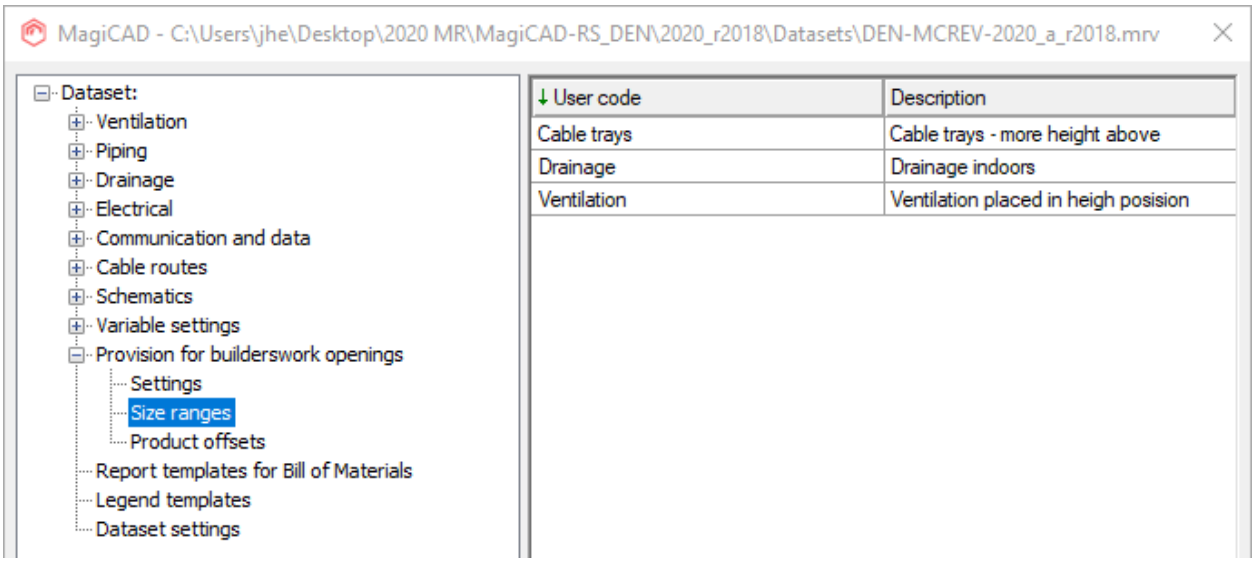
Det er blevet muligt at koble symboler til ”Provision for Builderswork Openings”





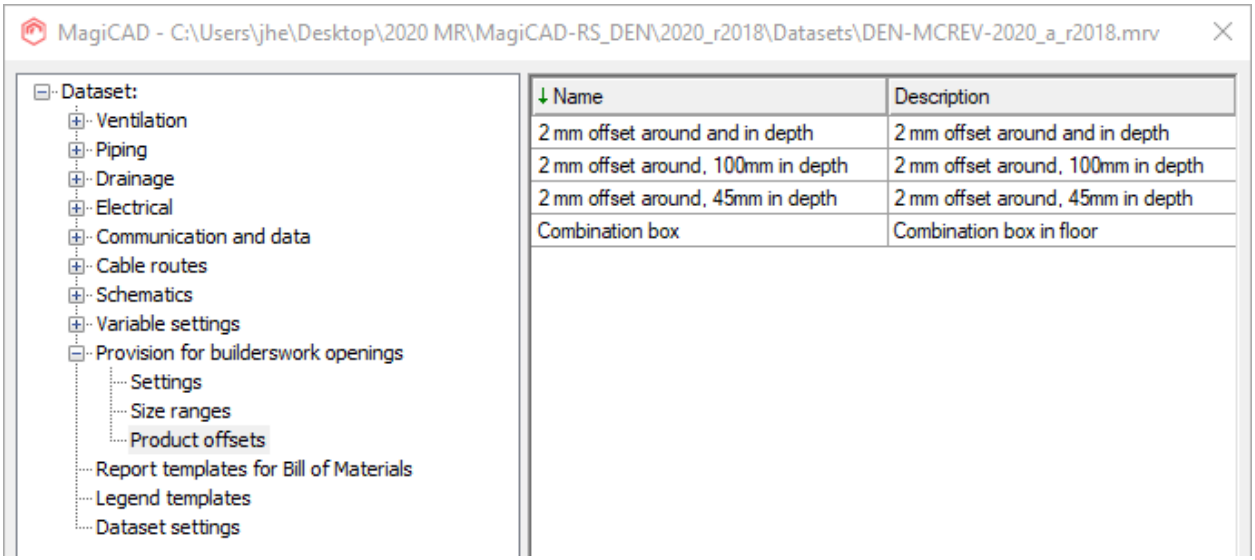
”Size ranges” blev allerede muligt med 2019 UR1.

Forslag hertil er nu tilføjet til datasettet.



”Product offsets” blev allerede muligt med 2019 UR2

Forslag hertil er nu tilføjet til datasettet.



Template

Navngivningen af viewtemplates og viewtyper følger standarden nedenfor.

	VIEW USE	
WORK	1_WORK	ARBEJDSVIEWS
SHEET	2_SHEET	VIEWS OPSAT TIL PLOT
EXPORT	3_EXPORT	VIEWS OPSAT TIL EKSPORT
QUALITY ASSURANCE	4_QA	KVALITETSIKRING

	VIEW TYPE	
PLAN	P	PLAN
CEILING	C	LOFTPLAN
SECTION	S	SNIT OG OPSTALTER
3D	3	3d
DIAGRAM	D	PRINCIPDIAGRAMMER

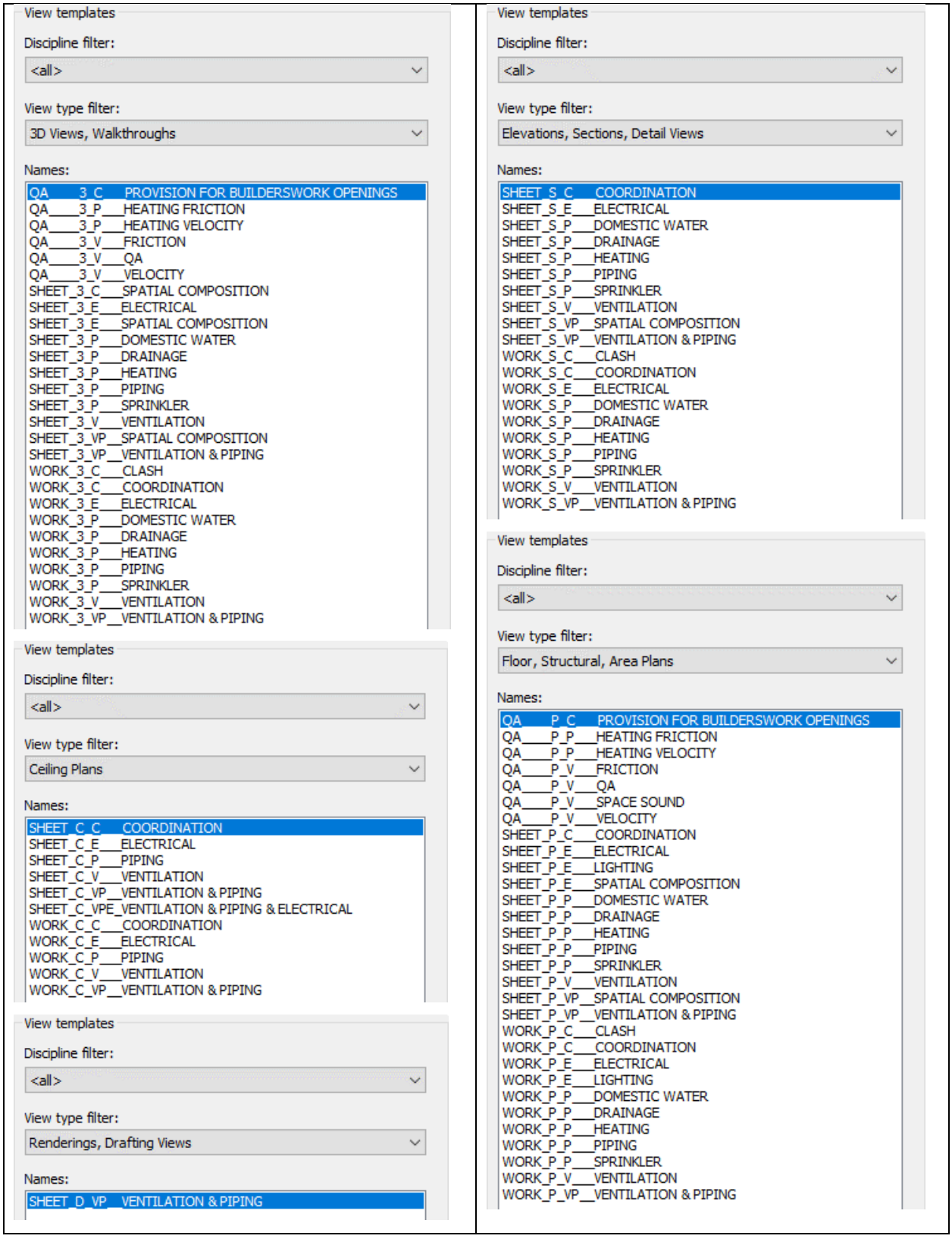
	MagiCAD DICIPLINE	
ARCHITECTURE	A	ARKITEKT
COORDINATION	C	KOORDINERING
ELECTRICAL	E	EL
PIPING	P	VVS
STRUCTURE	S	BÆRENDE KONSTRUKTIONER
VENTILATION	V	VENTILATION

MagiCAD SUB-DICIPLINE	
PROVISION FOR BUILDERSWORK OPENINGS	UDSPARINGER
QA	KVALITETSIKRING
FRICTION	Pa/m
SPACE SOUND	dB
VELOCITY	m/sek
SPATIAL COMPOSITION	OPSAT TIL NTI SPATIAL COMPOSITION
DOMESTIC WATER	BRUGSVAND
DRAINAGE	AFLØB
HEATING	OPVARMNING
SPRINKLER	SPRINKLER
LIGHTING	BELYSNING

SUB-DICIPLINE = *MagiCAD* DICIPLINE_ *MagiCAD* SUB-DICIPLINE

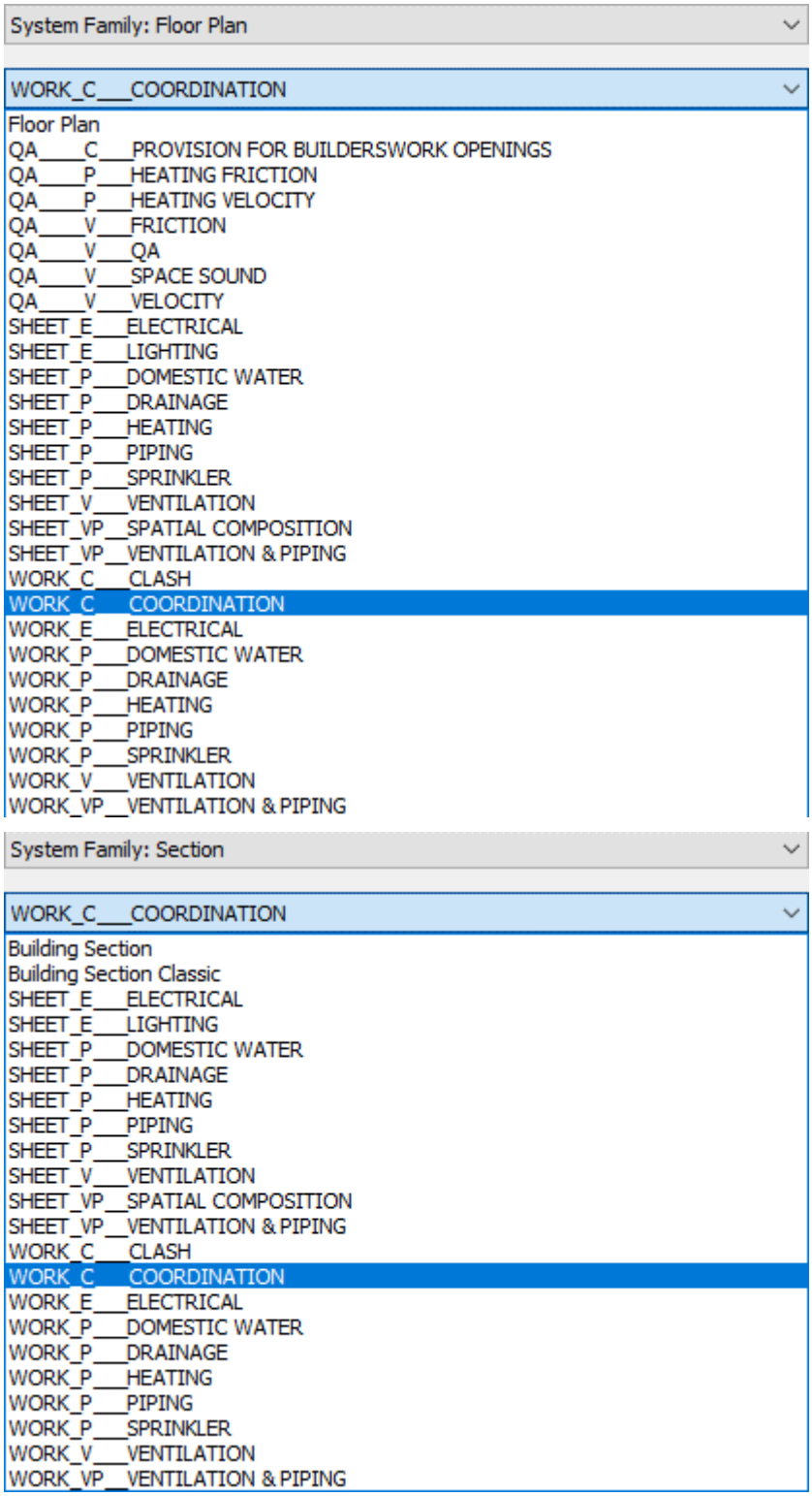
Viewtemplates

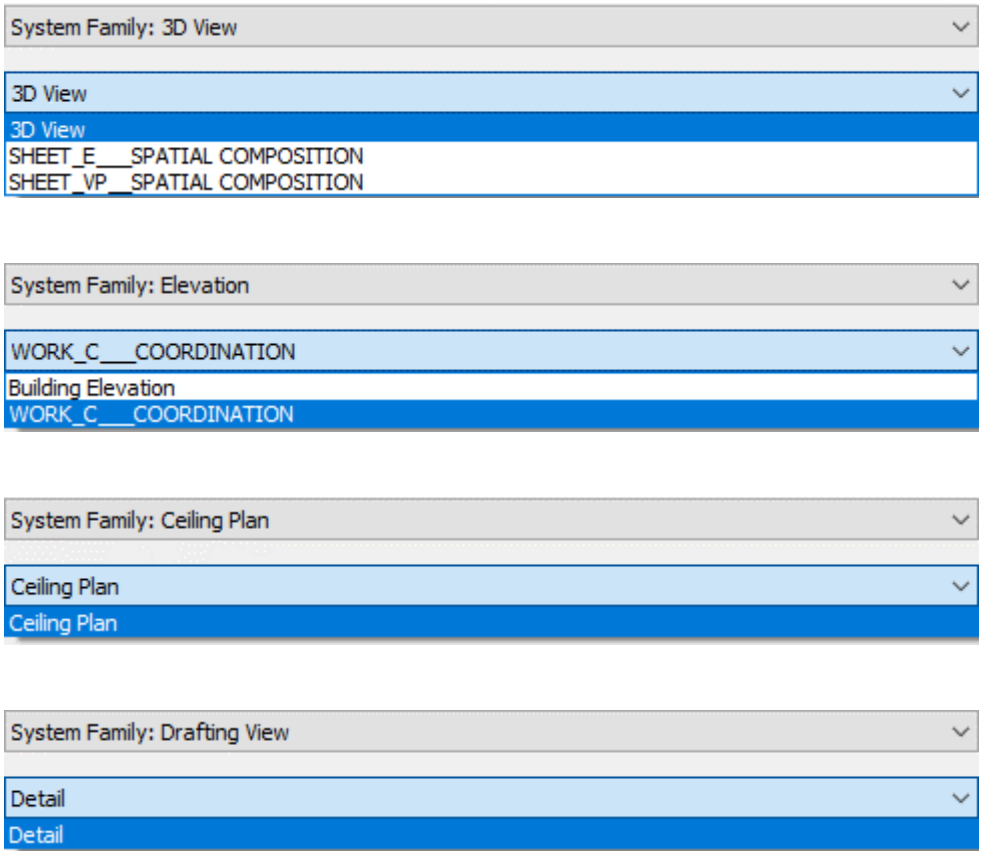
VIEW USE_VIEW TYPE_MagiCAD-DICIPLINE_MagiCAD SUB-DICIPLINE



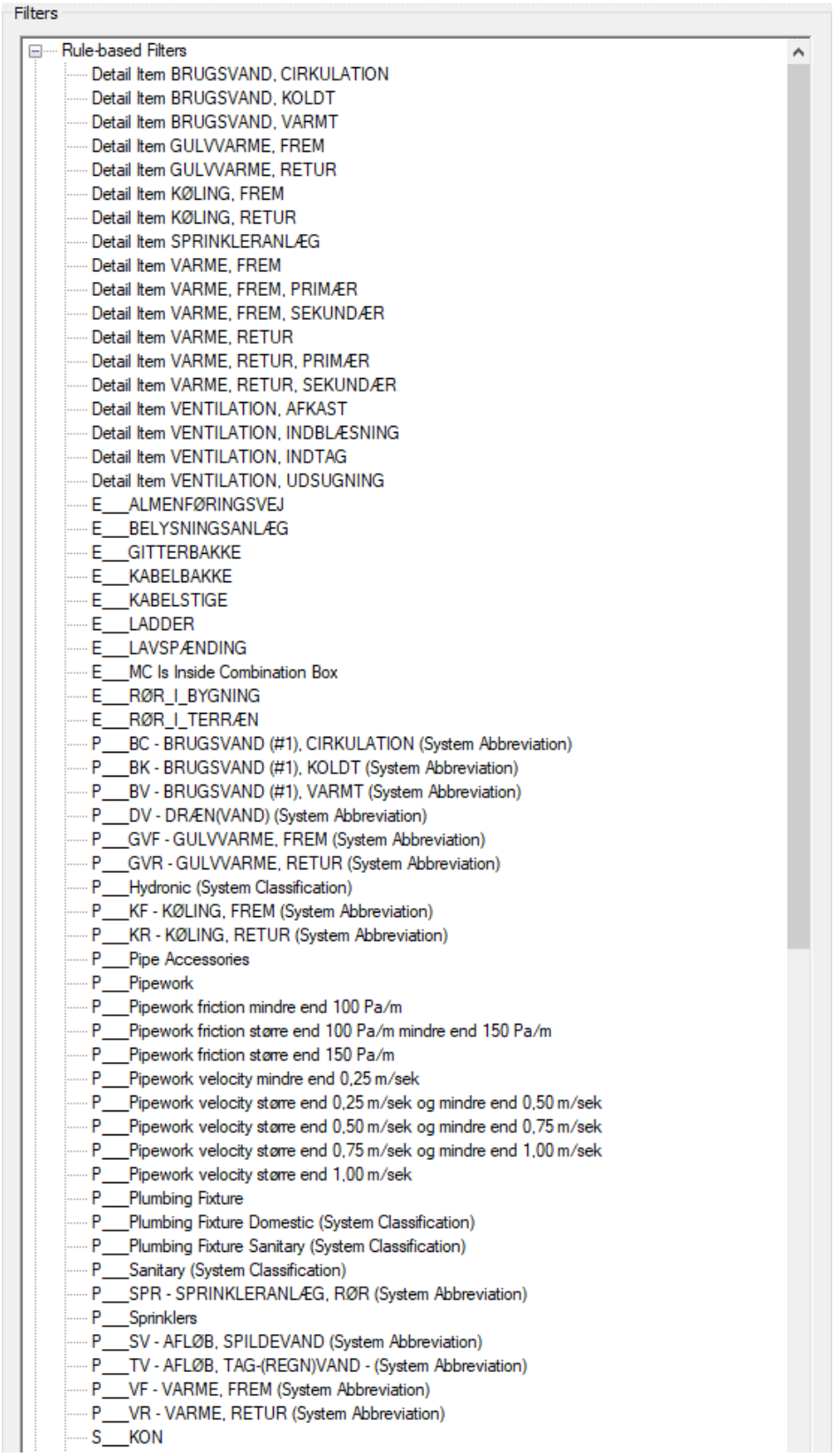
Viewtype

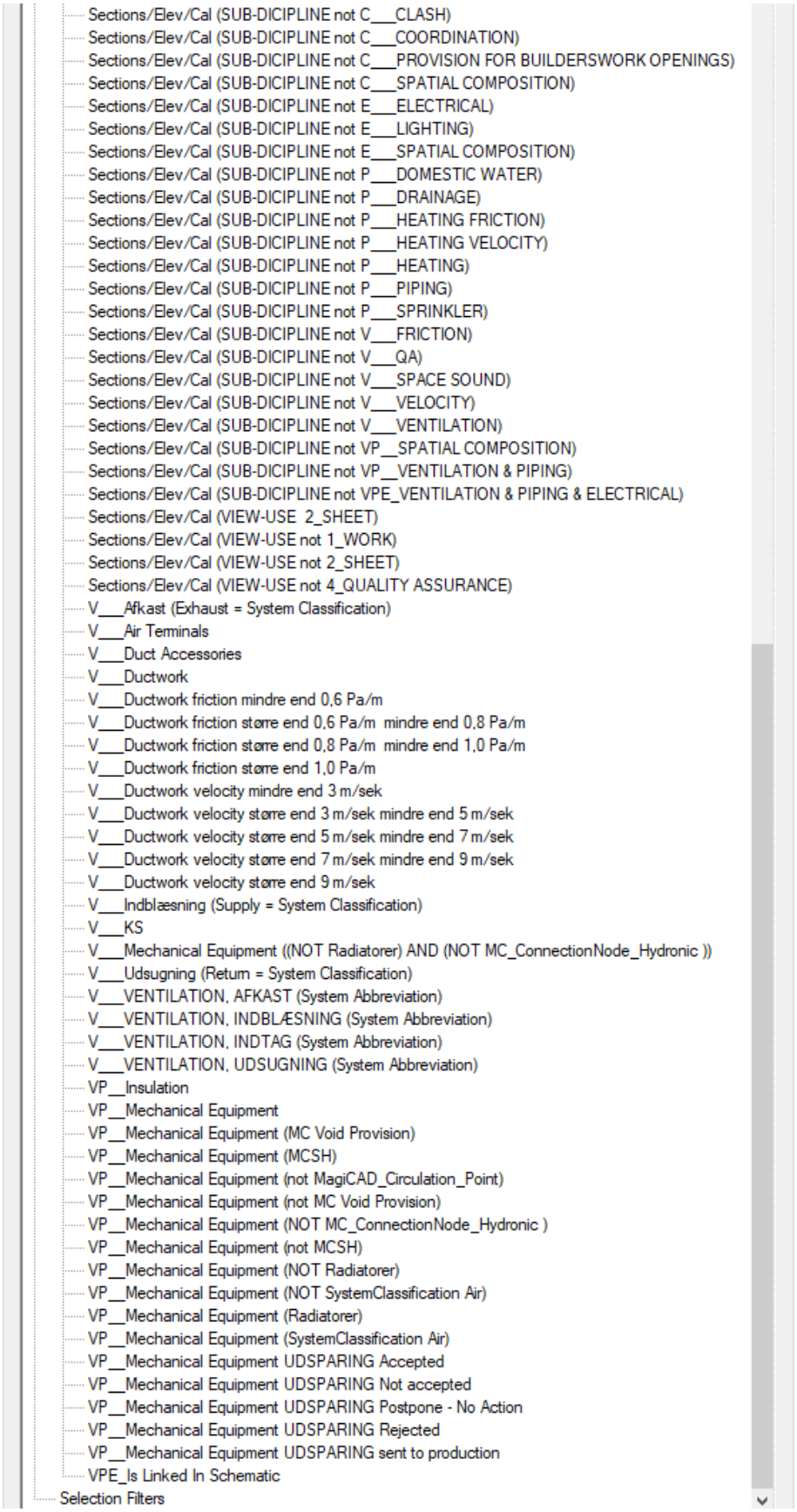
VIEW USE_ MagiCAD-DICIPLINE_ SUB-DICIPLINE




System Family: 3D View
3D View
3D View
SHEET_E___SPATIAL COMPOSITION
SHEET_VP__SPATIAL COMPOSITION
System Family: Elevation
WORK_C___COORDINATION
Building Elevation
WORK_C___COORDINATION
System Family: Ceiling Plan
Ceiling Plan
Ceiling Plan
System Family: Drafting View
Detail
Detail

Filters




Sections/Elev/Cal (SUB-DICIPLINE not C___CLASH)
Sections/Elev/Cal (SUB-DICIPLINE not C___COORDINATION)
Sections/Elev/Cal (SUB-DICIPLINE not C___PROVISION FOR BUILDERSWORK OPENINGS)
Sections/Elev/Cal (SUB-DICIPLINE not C___SPATIAL COMPOSITION)
Sections/Elev/Cal (SUB-DICIPLINE not E___ELECTRICAL)
Sections/Elev/Cal (SUB-DICIPLINE not E___LIGHTING)
Sections/Elev/Cal (SUB-DICIPLINE not E___SPATIAL COMPOSITION)
Sections/Elev/Cal (SUB-DICIPLINE not P___DOMESTIC WATER)
Sections/Elev/Cal (SUB-DICIPLINE not P___DRAINAGE)
Sections/Elev/Cal (SUB-DICIPLINE not P___HEATING FRICTION)
Sections/Elev/Cal (SUB-DICIPLINE not P___HEATING VELOCITY)
Sections/Elev/Cal (SUB-DICIPLINE not P___HEATING)
Sections/Elev/Cal (SUB-DICIPLINE not P___PIPING)
Sections/Elev/Cal (SUB-DICIPLINE not P___SPRINKLER)
Sections/Elev/Cal (SUB-DICIPLINE not V___FRICTION)
Sections/Elev/Cal (SUB-DICIPLINE not V___QA)
Sections/Elev/Cal (SUB-DICIPLINE not V___SPACE SOUND)
Sections/Elev/Cal (SUB-DICIPLINE not V___VELOCITY)
Sections/Elev/Cal (SUB-DICIPLINE not V___VENTILATION)
Sections/Elev/Cal (SUB-DICIPLINE not VP__SPATIAL COMPOSITION)
Sections/Elev/Cal (SUB-DICIPLINE not VP__VENTILATION & PIPING)
Sections/Elev/Cal (SUB-DICIPLINE not VPE_VENTILATION & PIPING & ELECTRICAL)
Sections/Elev/Cal (VIEW-USE 2_SHEET)
Sections/Elev/Cal (VIEW-USE not 1_WORK)
Sections/Elev/Cal (VIEW-USE not 2_SHEET)
Sections/Elev/Cal (VIEW-USE not 4_QUALITY ASSURANCE)
V___Afkast (Exhaust = System Classification)
V___Air Terminals
V___Duct Accessories
V___Ductwork
V___Ductwork friction mindre end 0,6 Pa/m
V___Ductwork friction større end 0,6 Pa/m mindre end 0,8 Pa/m
V___Ductwork friction større end 0,8 Pa/m mindre end 1,0 Pa/m
V___Ductwork friction større end 1,0 Pa/m
V___Ductwork velocity mindre end 3 m/sek
V___Ductwork velocity større end 3 m/sek mindre end 5 m/sek
V___Ductwork velocity større end 5 m/sek mindre end 7 m/sek
V___Ductwork velocity større end 7 m/sek mindre end 9 m/sek
V___Ductwork velocity større end 9 m/sek
V___Indblæsning (Supply = System Classification)
V___KS
V___Mechanical Equipment ((NOT Radiatorer) AND (NOT MC_ConnectionNode_Hydronic))
V___Udsugning (Return = System Classification)
V___VENTILATION, AFKAST (System Abbreviation)
V___VENTILATION, INDBLÆSNING (System Abbreviation)
V___VENTILATION, INDTAG (System Abbreviation)
V___VENTILATION, UDSUGNING (System Abbreviation)
VP__Insulation
VP__Mechanical Equipment
VP__Mechanical Equipment (MC Void Provision)
VP__Mechanical Equipment (MCSH)
VP__Mechanical Equipment (not MagiCAD_Circulation_Point)
VP__Mechanical Equipment (not MC Void Provision)
VP__Mechanical Equipment (NOT MC_ConnectionNode_Hydronic)
VP__Mechanical Equipment (not MCSH)
VP__Mechanical Equipment (NOT Radiatorer)
VP__Mechanical Equipment (NOT SystemClassification Air)
VP__Mechanical Equipment (Radiatorer)
VP__Mechanical Equipment (SystemClassification Air)
VP__Mechanical Equipment UDSPARING Accepted
VP__Mechanical Equipment UDSPARING Not accepted
VP__Mechanical Equipment UDSPARING Postpone - No Action
VP__Mechanical Equipment UDSPARING Rejected
VP__Mechanical Equipment UDSPARING sent to production
VPE_Is Linked In Schematic
Selection Filters

Quality Assurance

Detaljeret beskrivelse af viewtemplates

QA____3_C___PROVISION FOR BUILDERSWORK OPENINGS

PROVISION FOR BUILDERSWORK OPENINGS er nu Mechanical Equipments. Family Name er ændret.

QA____P_C___PROVISION FOR BUILDERSWORK OPENINGS

PROVISION FOR BUILDERSWORK OPENINGS er nu Mechanical Equipments. Family Name er ændret.

QA___3_P___HEATING_FRICTION

SUB-DICIPLINE	P__HEATING FRICTION	☑
VIEW USE	QUALITY ASSURANCE	☑

Visibility/Graphic Overrides for QA___3_P__HEATING FRICTION

Model Categories | Annotation Categories | Analytical Model Categories | Imported Categories | Filters

Name	Visibility	Projection/Surface	
		Lines	Patterns
VP__Mechanical Equipment (Radiatorer)	☑		
VP__Mechanical Equipment (SystemClassification Air)	☐		
VP__Mechanical Equipment MC Void Provision	☐		
P__KF - KØLING, FREM (System Abbreviation)	☐		
P__KR - KØLING, RETUR (System Abbreviation)	☐		
P__SPR - SPRINKLERANLÆG, RØR (System Abbreviation)	☐		
P__BC - BRUGSVAND (#1), CIRKULATION (System Abbreviation)	☐		
P__BK - BRUGSVAND (#1), KOLDT (System Abbreviation)	☐		
P__BV - BRUGSVAND (#1), VARMT (System Abbreviation)	☐		
P__Sanitary (System Classification)	☐		
P__Pipework friction mindre end 100 Pa/m	☑		
P__Pipework friction større end 100 Pa/m mindre end 150 Pa/m	☑		
P__Pipework friction større end 150 Pa/m	☑		

QA___P_P___HEATING FRICTION

SUB-DICIPLINE	P__HEATING FRICTION	☑
VIEW USE	QUALITY ASSURANCE	☑

Color Schemes

Categories	Color scheme
Pipes	Pipe Color Fill - Friction
Ducts	<none>

Edit Color Scheme

Schemes
Category: Pipes
(none)
Pipe Color Fill - Size
Pipe Color Fill - Friction

Scheme Definition
Title: Pipe Color Fill - Friction
Color: Friction
By value / By range
Edit Format... 1.235 Pa/m

At Least	Less Than	Caption	Visible	Color	Fill Pattern	Preview
	100,0000 Pa/m	Less than 100 Pa/m	☑	Green	Solid fill	
100,0000 Pa/m	150,0000 Pa/m	100 Pa/m - 150 Pa/m	☑	Yellow	Solid fill	
150,0000 Pa/m		150 Pa/m or more	☑	Red	Solid fill	

QA___3_P___HEATING VELOCITY

SUB-DICIPLINE	P__HEATING VELOCITY	☑
VIEW USE	QUALITY ASSURANCE	☑

Visibility/Graphic Overrides for QA___3_P__HEATING VELOCITY

Model Categories | Annotation Categories | Analytical Model Categories | Imported Categories | Filters

Name	Visibility	Projection/Surface	
		Lines	Patterns
VP__Mechanical Equipment (Radiatorer)	☑		
VP__Mechanical Equipment (SystemClassification Air)	☐		
VP__Mechanical Equipment MC Void Provision	☐	Override...	Override...
P__KF - KØLING, FREM (System Abbreviation)	☐		
P__KR - KØLING, RETUR (System Abbreviation)	☐		
P__SPR - SPRINKLERANLÆG, RØR (System Abbreviation)	☐		
P__BC - BRUGSVAND (#1), CIRKULATION (System Abbreviation)	☐		
P__BK - BRUGSVAND (#1), KOLDT (System Abbreviation)	☐		
P__BV - BRUGSVAND (#1), VARMT (System Abbreviation)	☐		
P__Sanitary (System Classification)	☐		
P__Pipework velocity mindre end 0,25 m/sek	☑		
P__Pipework velocity større end 0,25 m/sek og mindre end 0,50 m...	☑		
P__Pipework velocity større end 0,50 m/sek og mindre end 0,75 m...	☑		
P__Pipework velocity større end 0,75 m/sek og mindre end 1,00 m...	☑		
P__Pipework velocity større end 1,00 m/sek	☑		

QA___P_P___VELOCITY

SUB-DICIPLINE	P__HEATING VELOCITY
VIEW USE	QUALITY ASSURANCE

Color Schemes

Categories	Color scheme
Pipes	Pipe Color Fill - Velocity
Ducts	<none>

Edit Color Scheme

Schemes
Category: Pipes
(none)
Pipe Color Fill - Size
Pipe Color Fill - Friction
Pipe Color Fill - Velocity

Scheme Definition
Title: Pipe Color Fill - Friction
Color: Velocity
By value / By range
Edit Format... 1234,6 m/s

At Least	Less Than	Caption	Visible	Color	Fill Pattern	Preview
	0,25 m/s	Less than 0,3 m/s	☑	Green	Solid fill	
0,25 m/s	0,50 m/s	0,3 m/s - 0,5 m/s	☑	RGB 128-	Solid fill	
0,50 m/s	0,75 m/s	0,5 m/s - 0,8 m/s	☑	Yellow	Solid fill	
0,75 m/s	1,00 m/s	0,8 m/s - 1,0 m/s	☑	RGB 255-	Solid fill	
1,00 m/s		1,0 m/s or more	☑	Red	Solid fill	

QA___3_V___FRICTION

SUB-DICIPLINE	V__FRICTION	☑
VIEW USE	QUALITY ASSURANCE	☑

Visibility/Graphic Overrides for QA___3_V__FRICTION

Model Categories | Annotation Categories | Analytical Model Categories | Imported Categories | Filters

Name	Visibility	Projection/Surface	
		Lines	Patterns
VP__Mechanical Equipment (NOT SystemClassification Air)	☐		
V__Ductwork friction mindre end 0,6 Pa/m	☑	———	
V__Ductwork friction større end 0,6 Pa/m mindre end 0,8 Pa/m	☑	———	
V__Ductwork friction større end 0,8 Pa/m mindre end 1,0 Pa/m	☑	———	
V__Ductwork friction større end 1,0 Pa/m	☑	———	

QA___P_V___FRICTION

SUB-DICIPLINE	V__FRICTION
VIEW USE	QUALITY ASSURANCE

Color Schemes

Categories	Color scheme
Pipes	<none>
Ducts	Duct Color Fill - Friction

QA___3_V___VELOCITY

SUB-DICIPLINE	V__VELOCITY	☑
VIEW USE	QUALITY ASSURANCE	☑

Visibility/Graphic Overrides for QA___3_V__VELOCITY

Model Categories | Annotation Categories | Analytical Model Categories | Imported Categories | Filters

Name	Visibility	Projection/Surface	
		Lines	Patterns
VP__Mechanical Equipment (NOT SystemClassification Air)	☐		
V__Ductwork velocity mindre end 3 m/sek	☑	———	
V__Ductwork velocity større end 3 m/sek mindre end 5 m/sek	☑	———	
V__Ductwork velocity større end 5 m/sek mindre end 7 m/sek	☑	———	
V__Ductwork velocity større end 7 m/sek mindre end 9 m/sek	☑	———	
V__Ductwork velocity større end 9 m/sek	☑	———	

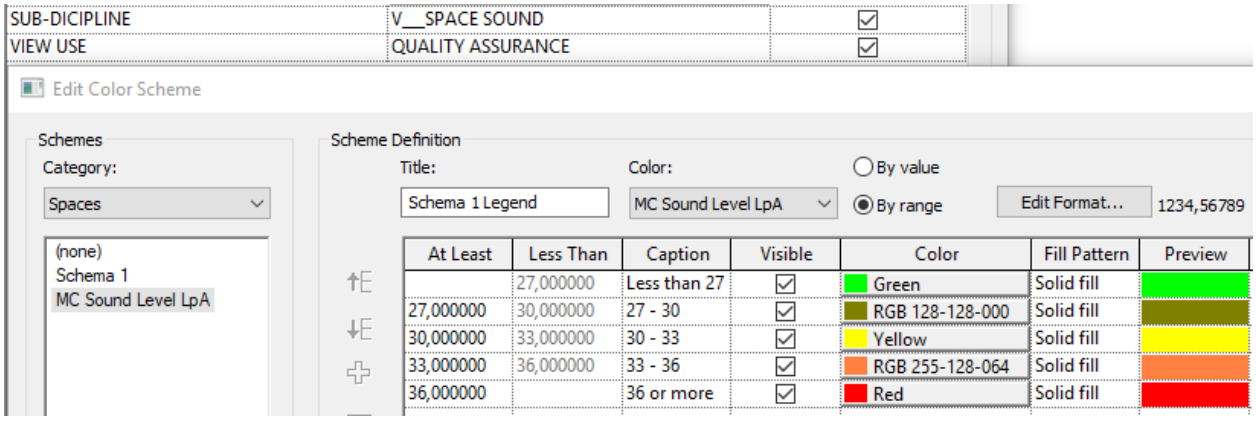
QA___P_V___VELOCITY

SUB-DICIPLINE	V__VELOCITY
VIEW USE	QUALITY ASSURANCE

Color Schemes

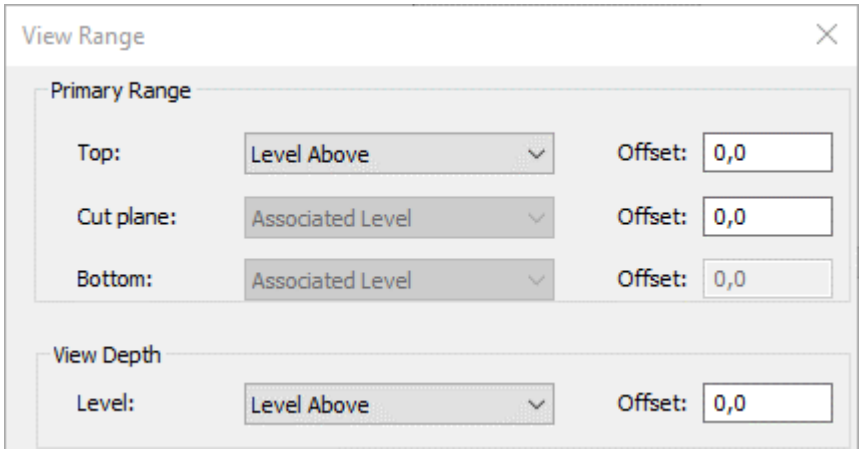
Categories	Color scheme
Pipes	<none>
Ducts	Duct Color Fill - Velocity

QA___P_V___SPACE SOUND



Ceiling Planes

På alle **WORK** loftplaner er View Range ændret så komponenterne ses straks de indsættes.

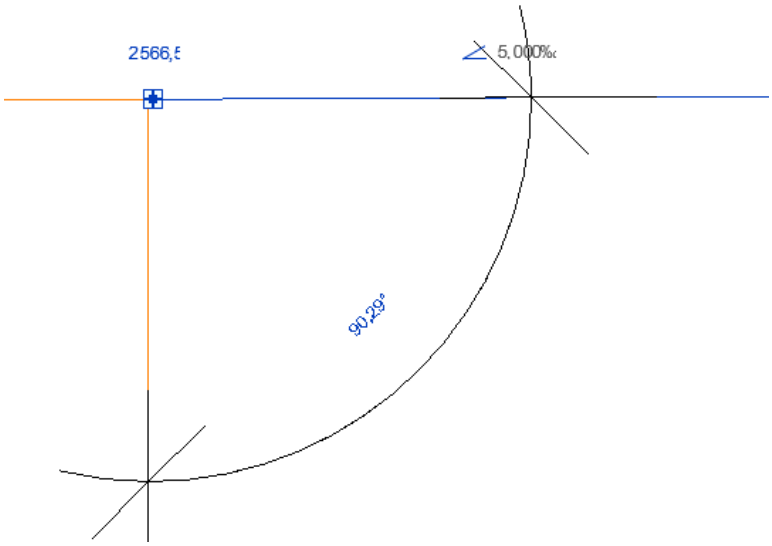


Kanalserier, rørserier og kabelbakker

Rørserier

Stålrør, middelsvære

Der er i en tidligere lokalisering blevet tilføjet en T-fitingfitting – **NTI Fitting – 90 med vrid** - der gør det muligt at tegne og tilslutte sprinkleranlæg med fald.

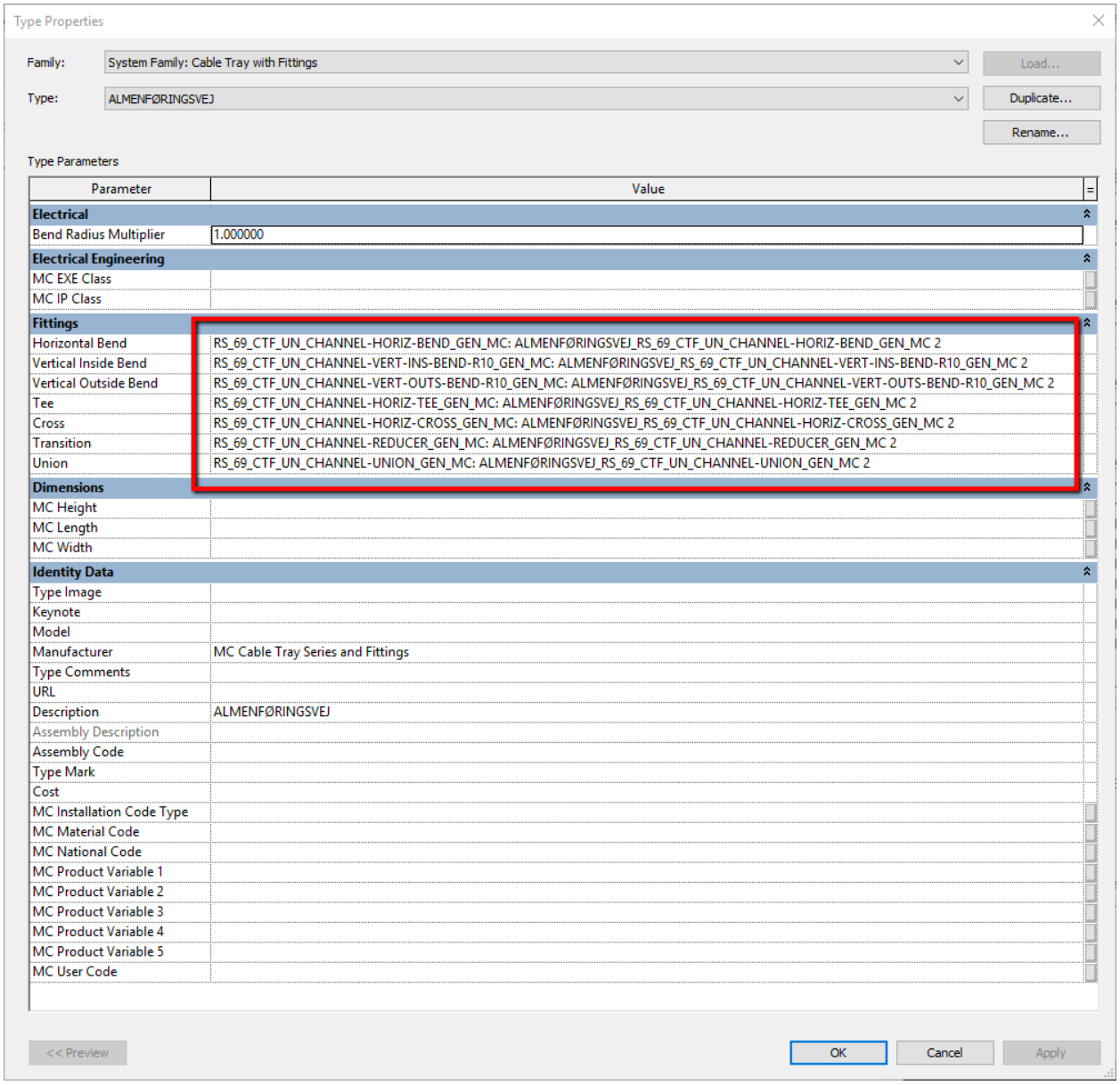


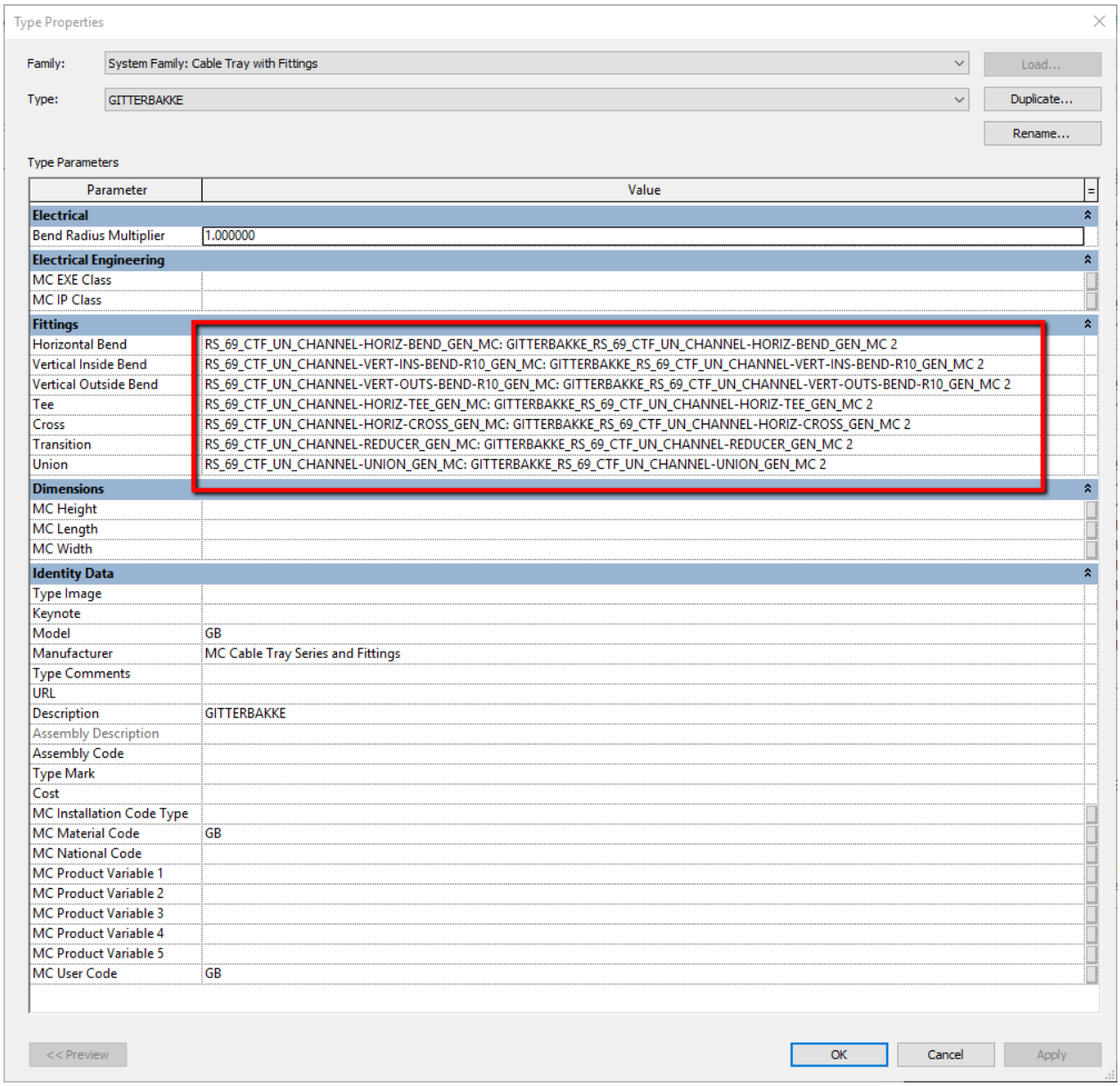
Denne fitting er fremragende når der modelleres sprinklerrør, men den er ikke så god når Pipe Connection anvendes til at genere rørlayouts.

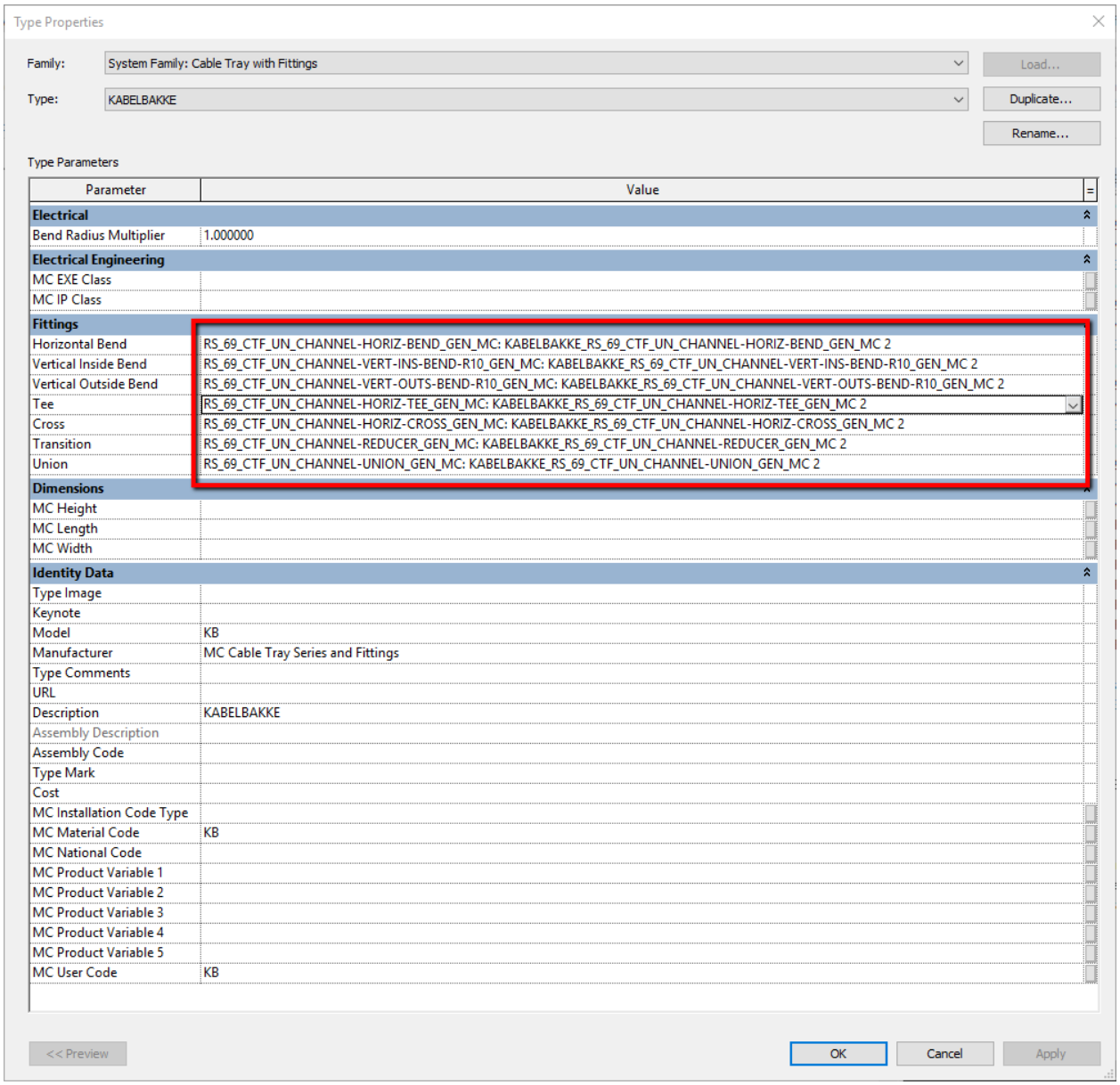
I denne version af lokaliseringen anvendes i rørtypen **Stålrør, middelsvære** som standard en fitting som er optimal i forbindelse med anvendelse af Pipe Connection til generering af rørlayouts.

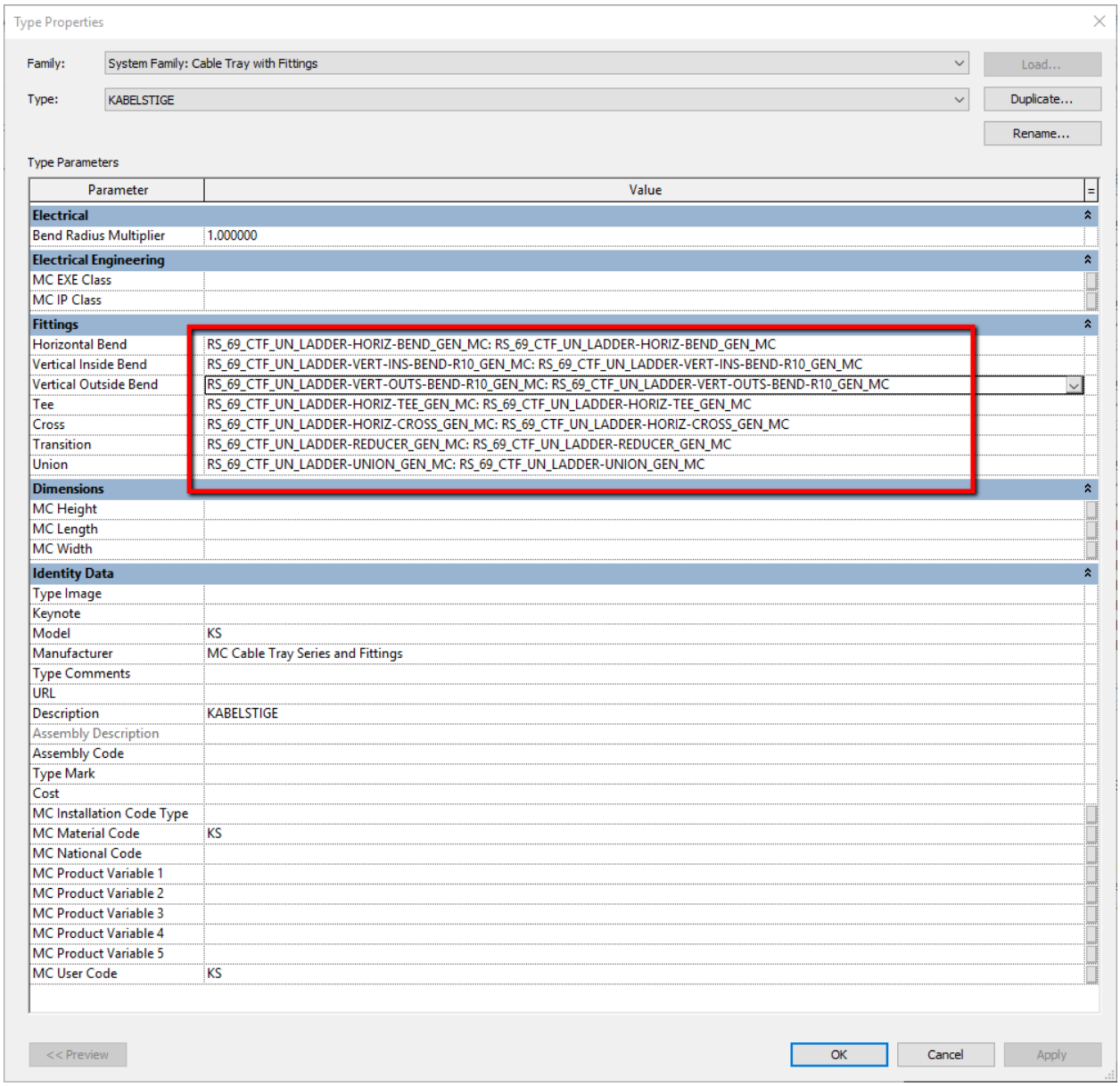
Hvis der projekteres sprinkler anbefales det at tilpasse Pipe Typen **Stålrør, middelsvære** så der anvendes T-fittingen **NTI Fitting – 90 med vrid.**

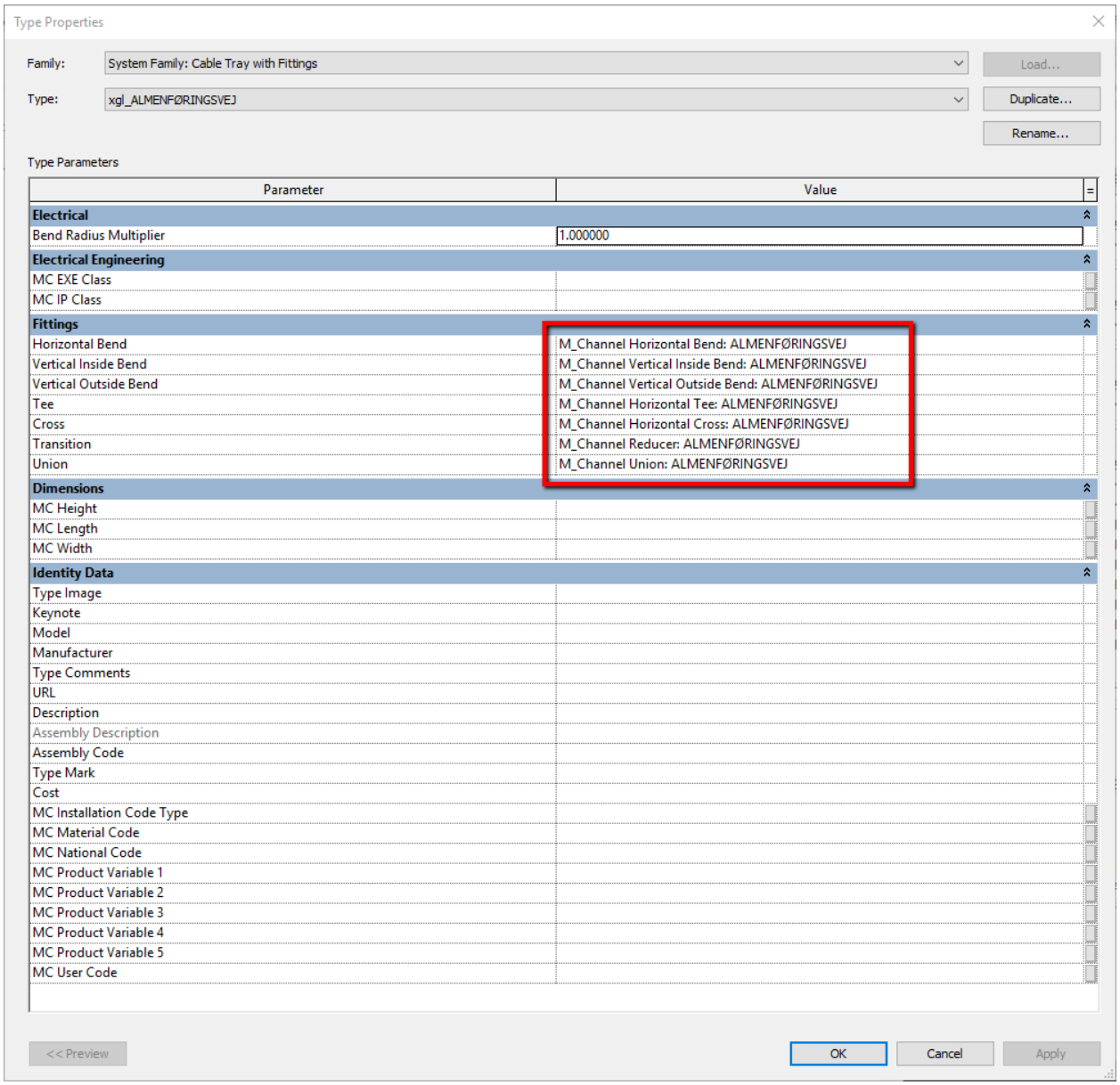
Kabelbakker

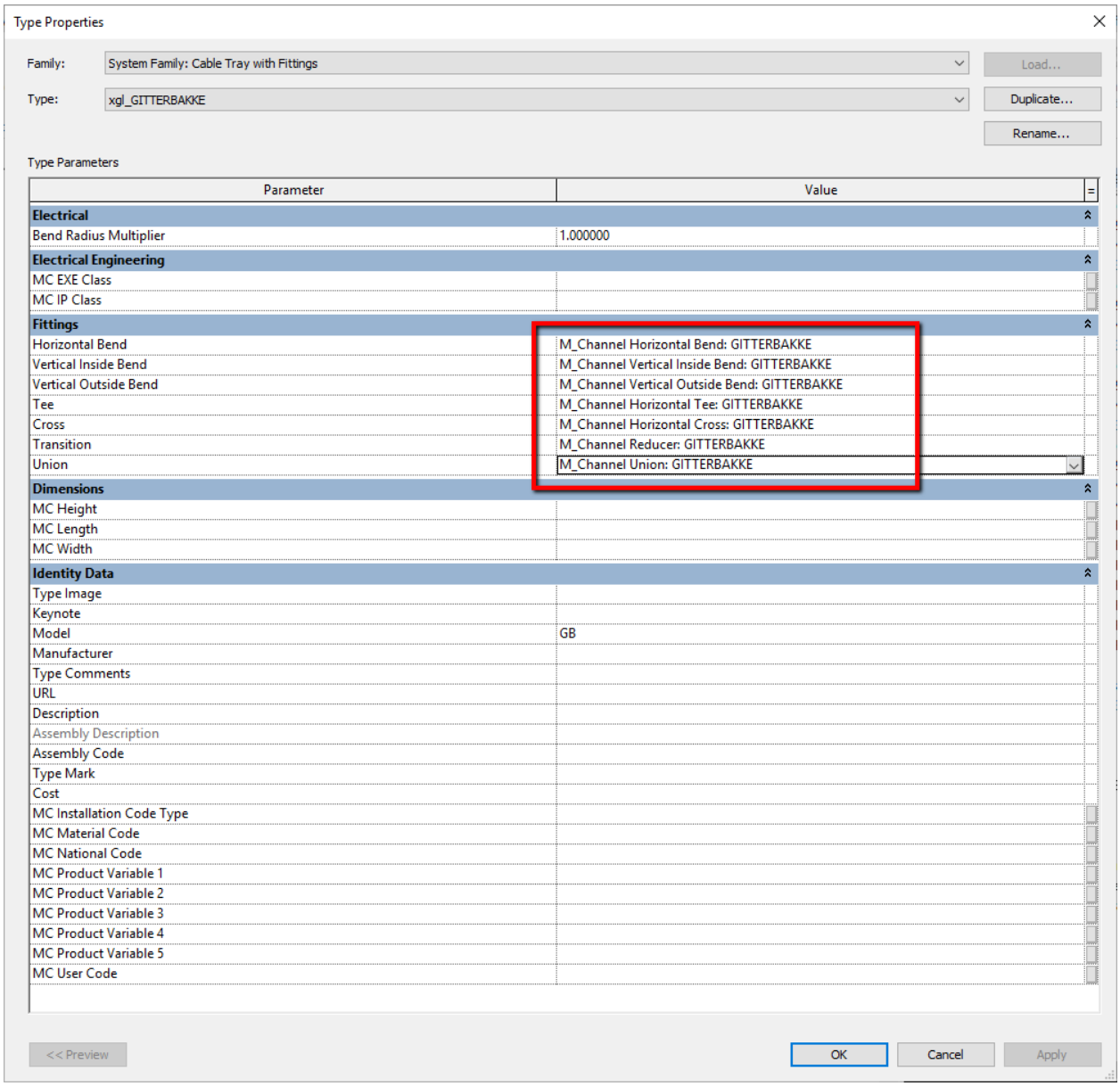


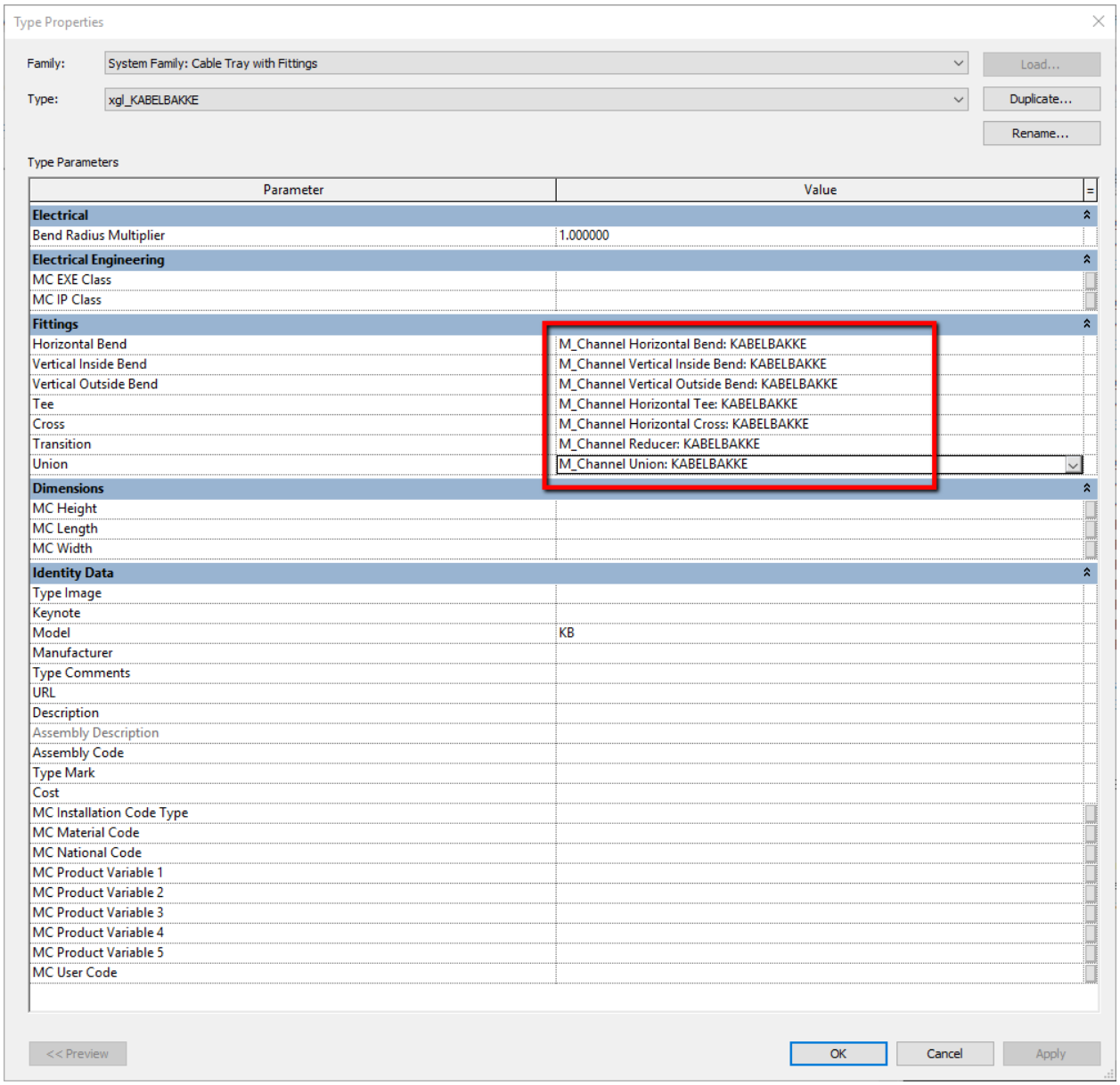

Type Properties
Family: System Family: Cable Tray with Fittings
Load...
Type: GITTERBAKKE
Duplicate...
Rename...
Type Parameters
Parameter
Value
Electrical
Bend Radius Multiplier 1.000000
Electrical Engineering
MC EXE Class
MC IP Class
Fittings
Horizontal Bend RS_69_CTF_UN_CHANNEL-HORIZ-BEND_GEN_MC: GITTERBAKKE_RS_69_CTF_UN_CHANNEL-HORIZ-BEND_GEN_MC 2
Vertical Inside Bend RS_69_CTF_UN_CHANNEL-VERT-INS-BEND-R10_GEN_MC: GITTERBAKKE_RS_69_CTF_UN_CHANNEL-VERT-INS-BEND-R10_GEN_MC 2
Vertical Outside Bend RS_69_CTF_UN_CHANNEL-VERT-OUTS-BEND-R10_GEN_MC: GITTERBAKKE_RS_69_CTF_UN_CHANNEL-VERT-OUTS-BEND-R10_GEN_MC 2
Tee RS_69_CTF_UN_CHANNEL-HORIZ-TEE_GEN_MC: GITTERBAKKE_RS_69_CTF_UN_CHANNEL-HORIZ-TEE_GEN_MC 2
Cross RS_69_CTF_UN_CHANNEL-HORIZ-CROSS_GEN_MC: GITTERBAKKE_RS_69_CTF_UN_CHANNEL-HORIZ-CROSS_GEN_MC 2
Transition RS_69_CTF_UN_CHANNEL-REDUCER_GEN_MC: GITTERBAKKE_RS_69_CTF_UN_CHANNEL-REDUCER_GEN_MC 2
Union RS_69_CTF_UN_CHANNEL-UNION_GEN_MC: GITTERBAKKE_RS_69_CTF_UN_CHANNEL-UNION_GEN_MC 2
Dimensions
MC Height
MC Length
MC Width
Identity Data
Type Image
Keynote
Model GB
Manufacturer MC Cable Tray Series and Fittings
Type Comments
URL
Description GITTERBAKKE
Assembly Description
Assembly Code
Type Mark
Cost
MC Installation Code Type
MC Material Code GB
MC National Code
MC Product Variable 1
MC Product Variable 2
MC Product Variable 3
MC Product Variable 4
MC Product Variable 5
MC User Code GB
<< Preview
OK
Cancel
Apply

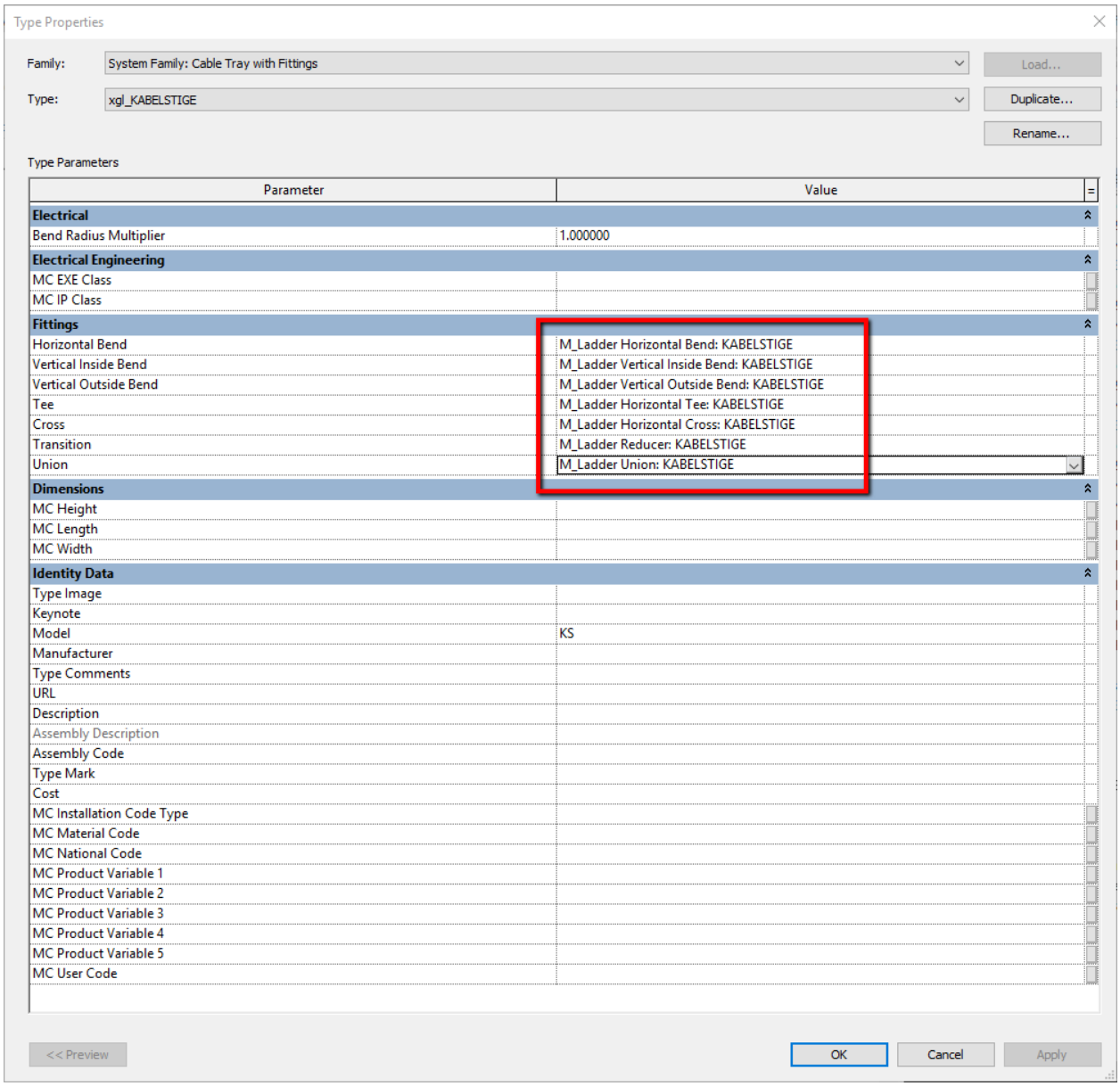

Type Properties
Family: System Family: Cable Tray with Fittings
Load...
Type: KABELBAKKE
Duplicate...
Rename...
Type Parameters
Parameter
Value
Electrical
Bend Radius Multiplier
1.000000
Electrical Engineering
MC EXE Class
MC IP Class
Fittings
Horizontal Bend
RS_69_CTF_UN_CHANNEL-HORIZ-BEND_GEN_MC: KABELBAKKE_RS_69_CTF_UN_CHANNEL-HORIZ-BEND_GEN_MC 2
Vertical Inside Bend
RS_69_CTF_UN_CHANNEL-VERT-INS-BEND-R10_GEN_MC: KABELBAKKE_RS_69_CTF_UN_CHANNEL-VERT-INS-BEND-R10_GEN_MC 2
Vertical Outside Bend
RS_69_CTF_UN_CHANNEL-VERT-OUTS-BEND-R10_GEN_MC: KABELBAKKE_RS_69_CTF_UN_CHANNEL-VERT-OUTS-BEND-R10_GEN_MC 2
Tee
RS_69_CTF_UN_CHANNEL-HORIZ-TEE_GEN_MC: KABELBAKKE_RS_69_CTF_UN_CHANNEL-HORIZ-TEE_GEN_MC 2
Cross
RS_69_CTF_UN_CHANNEL-HORIZ-CROSS_GEN_MC: KABELBAKKE_RS_69_CTF_UN_CHANNEL-HORIZ-CROSS_GEN_MC 2
Transition
RS_69_CTF_UN_CHANNEL-REDUCER_GEN_MC: KABELBAKKE_RS_69_CTF_UN_CHANNEL-REDUCER_GEN_MC 2
Union
RS_69_CTF_UN_CHANNEL-UNION_GEN_MC: KABELBAKKE_RS_69_CTF_UN_CHANNEL-UNION_GEN_MC 2
Dimensions
MC Height
MC Length
MC Width
Identity Data
Type Image
Keynote
Model
KB
Manufacturer
MC Cable Tray Series and Fittings
Type Comments
URL
Description
KABELBAKKE
Assembly Description
Assembly Code
Type Mark
Cost
MC Installation Code Type
MC Material Code
KB
MC National Code
MC Product Variable 1
MC Product Variable 2
MC Product Variable 3
MC Product Variable 4
MC Product Variable 5
MC User Code
KB
<< Preview
OK
Cancel
Apply


Type Properties
Family: System Family: Cable Tray with Fittings
Load...
Type: KABELSTIGE
Duplicate...
Rename...
Type Parameters
Parameter
Value
Electrical
Bend Radius Multiplier 1.000000
Electrical Engineering
MC EXE Class
MC IP Class
Fittings
Horizontal Bend RS_69_CTF_UN_LADDER-HORIZ-BEND_GEN_MC: RS_69_CTF_UN_LADDER-HORIZ-BEND_GEN_MC
Vertical Inside Bend RS_69_CTF_UN_LADDER-VERT-INS-BEND-R10_GEN_MC: RS_69_CTF_UN_LADDER-VERT-INS-BEND-R10_GEN_MC
Vertical Outside Bend RS_69_CTF_UN_LADDER-VERT-OUTS-BEND-R10_GEN_MC: RS_69_CTF_UN_LADDER-VERT-OUTS-BEND-R10_GEN_MC
Tee RS_69_CTF_UN_LADDER-HORIZ-TEE_GEN_MC: RS_69_CTF_UN_LADDER-HORIZ-TEE_GEN_MC
Cross RS_69_CTF_UN_LADDER-HORIZ-CROSS_GEN_MC: RS_69_CTF_UN_LADDER-HORIZ-CROSS_GEN_MC
Transition RS_69_CTF_UN_LADDER-REDUCER_GEN_MC: RS_69_CTF_UN_LADDER-REDUCER_GEN_MC
Union RS_69_CTF_UN_LADDER-UNION_GEN_MC: RS_69_CTF_UN_LADDER-UNION_GEN_MC
Dimensions
MC Height
MC Length
MC Width
Identity Data
Type Image
Keynote
Model KS
Manufacturer MC Cable Tray Series and Fittings
Type Comments
URL
Description KABELSTIGE
Assembly Description
Assembly Code
Type Mark
Cost
MC Installation Code Type
MC Material Code KS
MC National Code
MC Product Variable 1
MC Product Variable 2
MC Product Variable 3
MC Product Variable 4
MC Product Variable 5
MC User Code KS
<< Preview
OK
Cancel
Apply


Type Properties
Family: System Family: Cable Tray with Fittings
Load...
Type: xgl_ALMENFØRINGSVEJ
Duplicate...
Rename...
Type Parameters
Parameter
Value
Electrical
Bend Radius Multiplier
1.000000
Electrical Engineering
MC EXE Class
MC IP Class
Fittings
Horizontal Bend
M_Channel Horizontal Bend: ALMENFØRINGSVEJ
Vertical Inside Bend
M_Channel Vertical Inside Bend: ALMENFØRINGSVEJ
Vertical Outside Bend
M_Channel Vertical Outside Bend: ALMENFØRINGSVEJ
Tee
M_Channel Horizontal Tee: ALMENFØRINGSVEJ
Cross
M_Channel Horizontal Cross: ALMENFØRINGSVEJ
Transition
M_Channel Reducer: ALMENFØRINGSVEJ
Union
M_Channel Union: ALMENFØRINGSVEJ
Dimensions
MC Height
MC Length
MC Width
Identity Data
Type Image
Keynote
Model
Manufacturer
Type Comments
URL
Description
Assembly Description
Assembly Code
Type Mark
Cost
MC Installation Code Type
MC Material Code
MC National Code
MC Product Variable 1
MC Product Variable 2
MC Product Variable 3
MC Product Variable 4
MC Product Variable 5
MC User Code
<< Preview
OK
Cancel
Apply


Type Properties
Family: System Family: Cable Tray with Fittings
Load...
Type: xgl_GITTERBAKKE
Duplicate...
Rename...
Type Parameters
Parameter
Value
Electrical
Bend Radius Multiplier
1.000000
Electrical Engineering
MC EXE Class
MC IP Class
Fittings
Horizontal Bend
M_Channel Horizontal Bend: GITTERBAKKE
Vertical Inside Bend
M_Channel Vertical Inside Bend: GITTERBAKKE
Vertical Outside Bend
M_Channel Vertical Outside Bend: GITTERBAKKE
Tee
M_Channel Horizontal Tee: GITTERBAKKE
Cross
M_Channel Horizontal Cross: GITTERBAKKE
Transition
M_Channel Reducer: GITTERBAKKE
Union
M_Channel Union: GITTERBAKKE
Dimensions
MC Height
MC Length
MC Width
Identity Data
Type Image
Keynote
Model
GB
Manufacturer
Type Comments
URL
Description
Assembly Description
Assembly Code
Type Mark
Cost
MC Installation Code Type
MC Material Code
MC National Code
MC Product Variable 1
MC Product Variable 2
MC Product Variable 3
MC Product Variable 4
MC Product Variable 5
MC User Code
<< Preview
OK
Cancel
Apply


Type Properties
Family:
System Family: Cable Tray with Fittings
Load...
Type:
xgl_KABELBAKKE
Duplicate...
Rename...
Type Parameters
Parameter
Value
Electrical
Bend Radius Multiplier
1.000000
Electrical Engineering
MC EXE Class
MC IP Class
Fittings
Horizontal Bend
M_Channel Horizontal Bend: KABELBAKKE
Vertical Inside Bend
M_Channel Vertical Inside Bend: KABELBAKKE
Vertical Outside Bend
M_Channel Vertical Outside Bend: KABELBAKKE
Tee
M_Channel Horizontal Tee: KABELBAKKE
Cross
M_Channel Horizontal Cross: KABELBAKKE
Transition
M_Channel Reducer: KABELBAKKE
Union
M_Channel Union: KABELBAKKE
Dimensions
MC Height
MC Length
MC Width
Identity Data
Type Image
Keynote
Model
KB
Manufacturer
Type Comments
URL
Description
Assembly Description
Assembly Code
Type Mark
Cost
MC Installation Code Type
MC Material Code
MC National Code
MC Product Variable 1
MC Product Variable 2
MC Product Variable 3
MC Product Variable 4
MC Product Variable 5
MC User Code
<< Preview
OK
Cancel
Apply

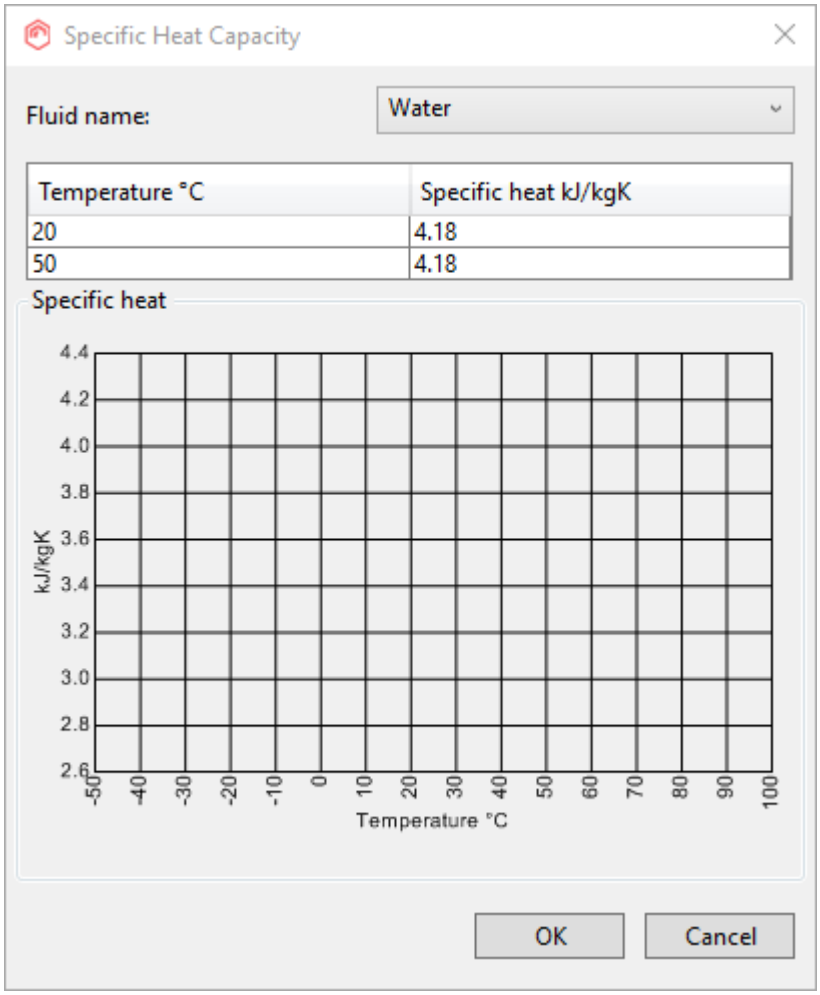


Tag

Diverse tags er opdaterede.

Specific Heat Capacity

Denne er ændret for vand

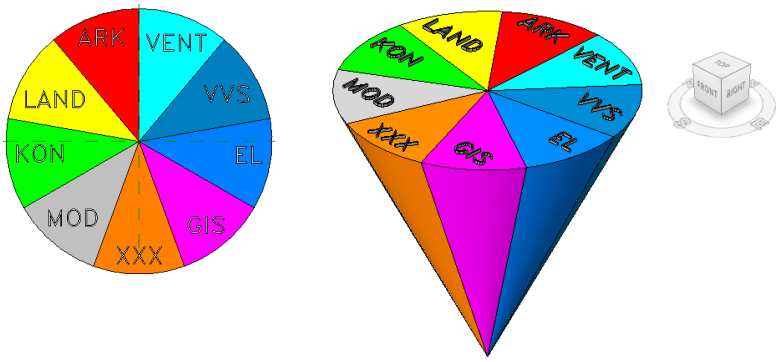


Origin_Marker

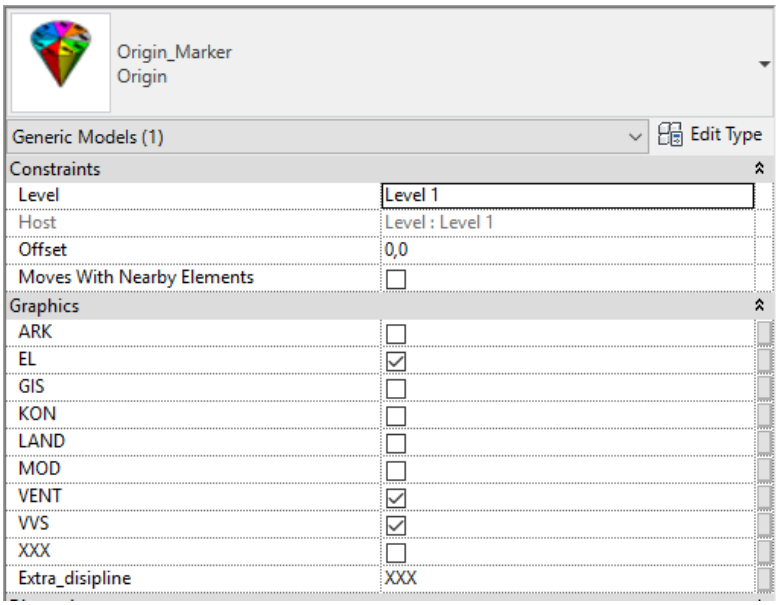
NTI har lavet en Origin_Marker, som angiver Revits Origin.

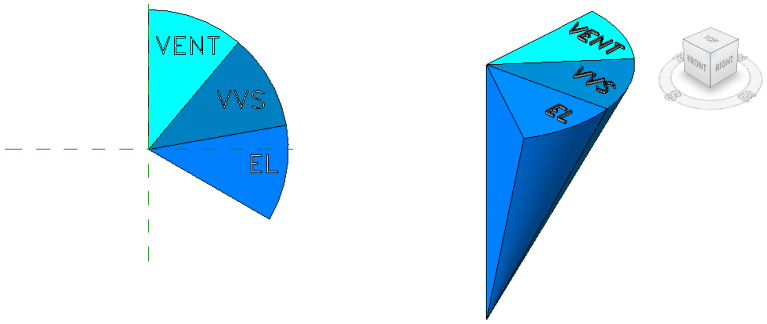
I plan og 3D ser markeren således ud.

Pilespidsen ligger i Z=0



Således kan hvert faggruppe tænde for deres del og nemt kontrollere at modellerne ligger rigtigt i forhold til hinanden





Stikordsregister