

MagiCAD RS

Beskrivelse af DEN lokaliseringen

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Lokalisering DEN-MCREV-2022_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 dokumentet DEN-MCREV- 2021_a.pdf

Bortset fra filformatet er lokaliseringen til Revit 2022, Revit 2021, Revit 2020 og Revit 2019 identisk med lokaliseringen til Revit 2018.

Lokalisering til MagiCAD på Revit, består ud over dette dokument af fire filer.

DEN-MCREV-2022_a_r<Revit version>.mrvt (dataset)

DEN-MCREV-2022_a_r<Revit version>.rte (Revit template)

DEN-MCREV-2022_a_r<Revit version>.mcd (description fil)

magiParameters .txt (shared parameters fil)

Herudover indeholder lokaliseringen nogle tegningshoveder, tegningsrammer og tags

Dataset

Ventilation

- Det er nu blevet muligt at tilføje/bruge fittings med han/hun tilslutninger. Disse er blevet tilføjet til kanalsierierne. TCPMU, BKFMU, BKMU, MF og SMFU er tilføjet.
- Lindab MCU er blevet tilføjet til Distribution box kategorien.

Piping

- Produkt kategorier har fået tilføjet produkter, så der min. er et produkt i hver kategori.
- Det er blevet muligt at hente produkt specifikke rørserier ned fra MagiCAD cloud – dette er ikke gjort i template/dataset.

Template

View templates

- WORK_P_E___ELECTRICAL – har fået tilføjet værdi i filteret E_MC is inside Combination box –
- Kanal og rør serier er blevet reloaded.

Lokalisering DEN-MCREV-2021_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 dokumentet DEN-MCREV- 2021_a.pdf

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Lokalisering til MagiCAD på Revit, består ud over dette dokument af fire filer.

DEN-MCREV-2021_c_r<Revit version>.mrw (dataset)

DEN-MCREV-2021_c_r<Revit version>.rte (Revit template)

DEN-MCREV-2021_c_r<Revit version>.mcd (description fil)

magiParameters .txt (shared parameters fil)

Herudover indeholder lokaliseringen nogle tegningshoveder, tegningsrammer og tags

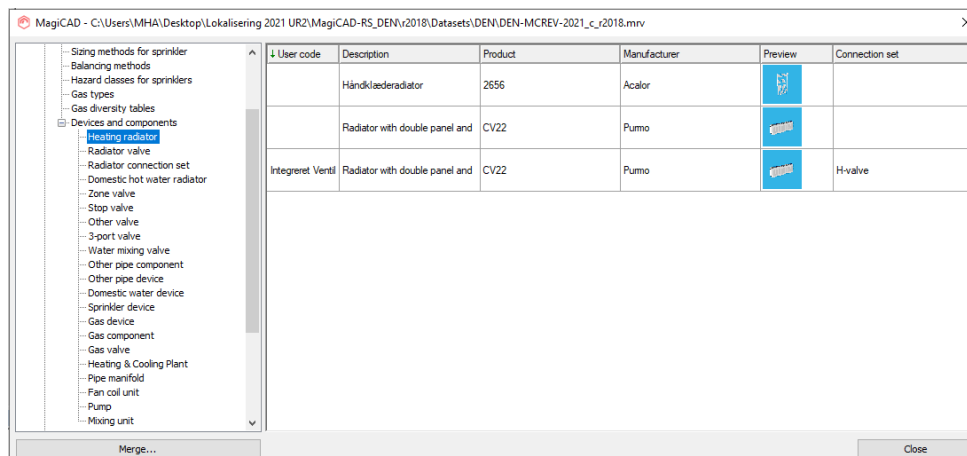
Dataset

Ventilation

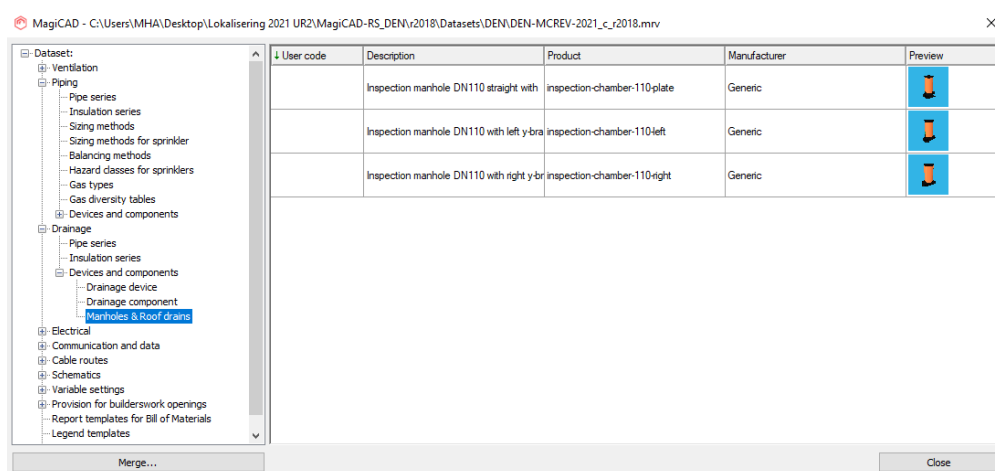
- S-part og Yparts er blevet reloaded fra MagiCAD databasen – da der er kommet nye families der giver mulighed for offsets.
- Lindab kanalsierierne er blevet reloaded og opdateret
- ESNU E og ESNU S er blevet opdateret og sat ind på ny.

Piping

- Alle 2D symboler til tapsteder er genvalgt i dataset.
- Alle Rio radiatorer er blevet slettet og der er valgt 2 Purmo radiatorer en med integreret ventil.



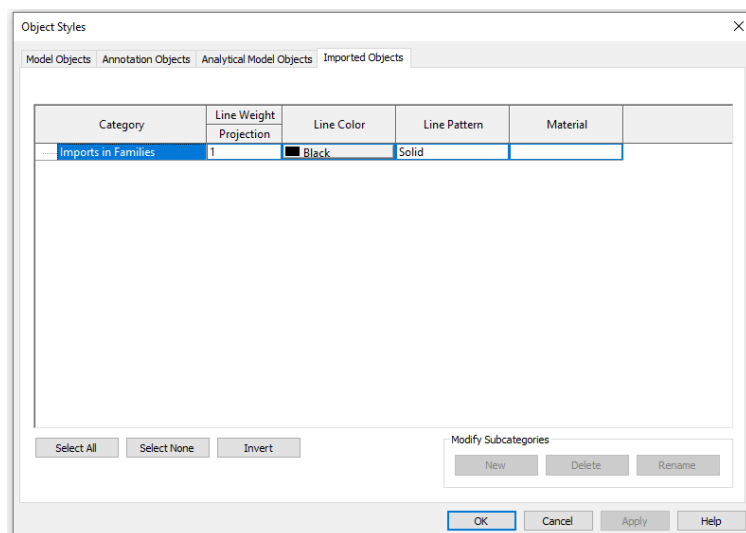
- Derudover er der også tilføjet en generisk "mixing valve" samt en generisk "radiator connection set" til datasettet.
- "Manholes & Drains" har fået nye komponenter der virker når de bliver sat ind på et afløb med fald.



Template

Object styles

- Object styles i template er blevet ryddet, så der ikke længere findes importerede linie typer.



View templates

- På el siden er der blevet oprettet nye view templates både som work, sheet og section views.

E___ELECTRICAL – Viser alt el.

E___ELECTRICAL DISTRIBUTION – Viser kun tavler og føringsveje.

E___LIGHTING – Viser alt el minus føringsveje.

- QA____D_VP__LINKED IN SCHEMATIC – er blevet opdateret med korrekte molio farver.

Visibility/Graphic Overrides for QA____D_VP__LINKED IN SCHEMATIC

Model Categories Annotation Categories Imported Categories Filters

Name	Visibility	Projection/Surface			Cut		Halftone
		Lines	Patterns	Transparency	Lines	Patterns	
VPE_Is Linked In Schematic	☒						☐
Detail Item BRUGSVAND, KOLDT	☒						☐
Detail Item GULVVARME, FREM	☒						☐
Detail Item GULVVARME, RETUR	☒						☐
Detail Item SPRINKLERANLÆG	☒						☐
Detail Item VARME, FREM	☒						☐
Detail Item VARME, RETUR	☒						☐
Detail Item KØLING, FREM	☒						☐
Detail Item KØLING, RETUR	☒						☐
Detail Item VARME, FREM, PRIMÆR	☒						☐
Detail Item VARME, RETUR, PRIMÆR	☒						☐
Detail Item VARME, FREM, SEKUND...	☒						☐
Detail Item VARME, RETUR, SEKUN...	☒						☐
Detail Item BRUGSVAND, VARMT	☒						☐
Detail Item BRUGSVAND, CIRKULAT...	☒						☐
Detail Item VENTILATION, INDBLÆS...	☒						☐
Detail Item VENTILATION, UDSUGN...	☒						☐
Detail Item VENTILATION, INDTAG	☒						☐
Detail Item VENTILATION, AFKAST	☒						☐

Lokalisering DEN-MCREV-2021_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 dokumentet DEN-MCREV- 2021_a.pdf

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

Lokalisering til MagiCAD på Revit, består ud over dette dokument af fire filer.

DEN-MCREV-2021_b_r<Revit version>.mrw (dataset)

DEN-MCREV-2021_b_r<Revit version>.rte (Revit template)

DEN-MCREV-2021_b_r<Revit version>.mcd (description fil)

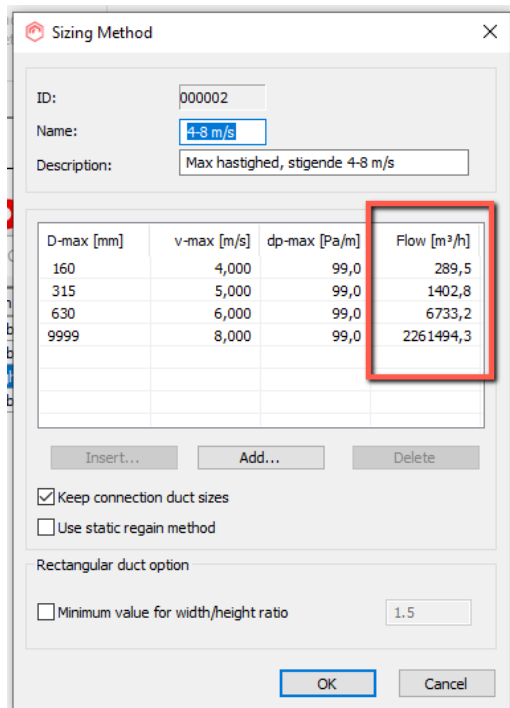
magiParameters .txt (shared parameters fil)

Herudover indeholder lokaliseringen nogle tegningshoveder, tegningsrammer og tags

Dataset

Ventilation

- Flow kan nu anvendes ved dimensionering. Angiv max flow per kanaldimension via Sizing Method

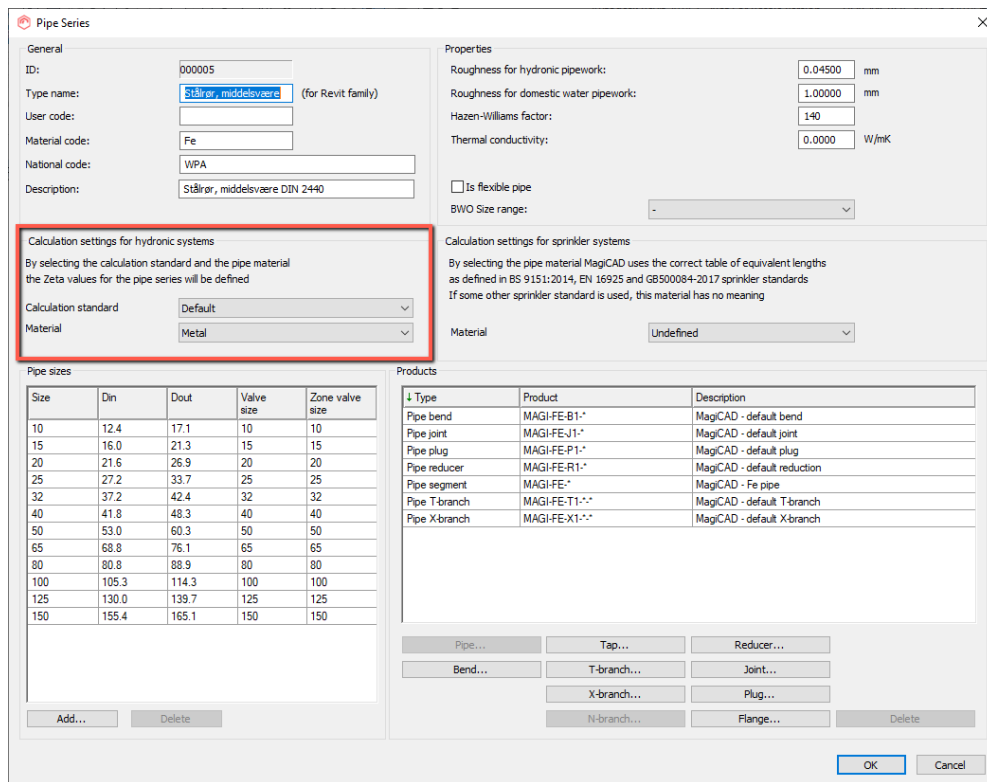


D-max [mm]	v-max [m/s]	dp-max [Pa/m]	Flow [m³/h]
160	4,000	99,0	289,5
315	5,000	99,0	1402,8
630	6,000	99,0	6733,2
9999	8,000	99,0	2261494,3

- Kanalserierne Lindab SR og Lindab SR Standard. Påstik "TSTCU Bevelled" er udskiftet med "TSTCU Small Roundings". Kanalserierne er opdateret i Revit project template "DEN-MCREV-2021_b_r<Revit version>.rte

Piping

- Beregningsstandard kan nu defineres specifikt for hver enkelt rørserie.



General

ID: 000005

Type name: Stålrør, middelsvære (for Revit family)

User code:

Material code: Fe

National code: WPA

Description: Stålrør, middelsvære DIN 2440

Calculation settings for hydronic systems

By selecting the calculation standard and the pipe material the Zeta values for the pipe series will be defined

Calculation standard: Default

Material: Metal

Properties

Roughness for hydronic pipework: 0.04500 mm

Roughness for domestic water pipework: 1.00000 mm

Hazen-Williams factor: 140

Thermal conductivity: 0.0000 W/mK

☐ Is flexible pipe

BWO Size range:

Calculation settings for sprinkler systems

By selecting the pipe material MagiCAD uses the correct table of equivalent lengths as defined in BS 9151:2014, EN 16925 and GB500084-2017 sprinkler standards. If some other sprinkler standard is used, this material has no meaning

Material: Undefined

Pipe sizes

Size	Din	Dout	Valve size	Zone valve size
10	12.4	17.1	10	10
15	16.0	21.3	15	15
20	21.6	26.9	20	20
25	27.2	33.7	25	25
32	37.2	42.4	32	32
40	41.8	48.3	40	40
50	53.0	60.3	50	50
65	68.8	76.1	65	65
80	80.8	88.9	80	80
100	105.3	114.3	100	100
125	130.0	139.7	125	125
150	155.4	165.1	150	150

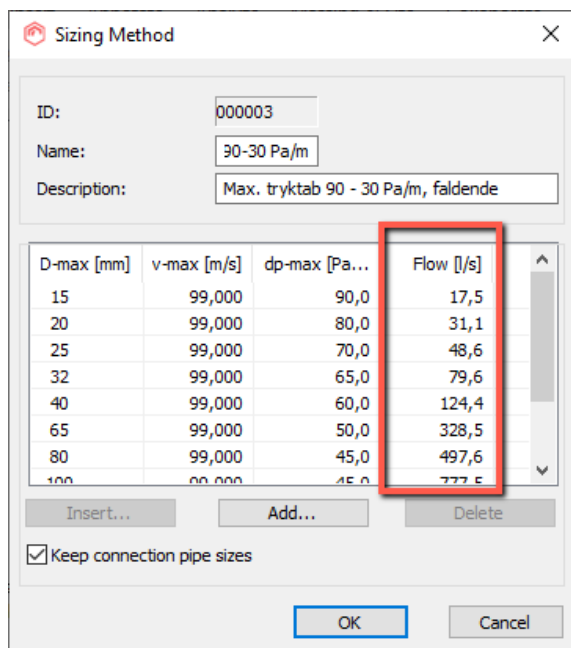
Products

Type	Product	Description
Pipe bend	MAGI-FE-B1-*	MagiCAD - default bend
Pipe joint	MAGI-FE-J1-*	MagiCAD - default joint
Pipe plug	MAGI-FE-P1-*	MagiCAD - default plug
Pipe reducer	MAGI-FE-R1-*	MagiCAD - default reduction
Pipe segment	MAGI-FE-*	MagiCAD - Fe pipe
Pipe T-branch	MAGI-FE-T1-*	MagiCAD - default T-branch
Pipe X-branch	MAGI-FE-X1-*	MagiCAD - default X-branch

Buttons: Pipe..., Tap..., Reducer..., Bend..., T-branch..., Joint..., X-branch..., Plug..., N-branch..., Flange..., Delete

OK Cancel

- Flow kan nu anvendes ved dimensionering. Angiv max flow per rørdimension via Sizing Method



Sizing Method

ID: 000003

Name: 90-30 Pa/m

Description: Max. tryktab 90 - 30 Pa/m, faldende

D-max [mm]	v-max [m/s]	dp-max [Pa...]	Flow [l/s]
15	99,000	90,0	17,5
20	99,000	80,0	31,1
25	99,000	70,0	48,6
32	99,000	65,0	79,6
40	99,000	60,0	124,4
65	99,000	50,0	328,5
80	99,000	45,0	497,6
100	99,000	45,0	777,5

Buttons: Insert..., Add..., Delete

☒ Keep connection pipe sizes

OK Cancel

- Bedre understøttelse for pumper med variabel hastighed og multi-hastighed. Tilføjet to eksempel-pumper til datasettet.

Schematics

- Opret præ-definerede symbol-samlinger ("Symbol assemblies") og gem dem i datasettet. Samlingen kan bestå af både symboler og Revit detail items som linjer, cirkler osv (splines understøttes ikke). En Symbol Assembly oprettes og gemmes i datasettet ved at placere symboler i et view, markere dem og vælge Create Assembly fra MagiCAD Schematics fanebladet. En Symbol Assembly kunne f.eks. være en blandesløjfe.

Variable settings

- Installation codes kan nu, som tidligere kun muligt for el, tilføjes både piping og ventilation, og anvendes på rør/kanaler, fittings, armaturer, elementer osv.

Dataset:

Ventilation

Piping

Drainage

Electrical

Communication and data

Cable routes

Schematics

Variable settings

.....Installation codes (electrical)

.....Installation codes (piping)

.....Installation codes (ventilation)

.....Status

Running index

Provision for builderswork openings

Report templates for Bill of Materials

Legend templates

Dataset settings

↓ ID	User code	Description
1	W	On wall
2	F	In floor
3	MBP	Mount before pipes
4	F150	150 mm from the floor
5	AF	Above false ceiling

- Status kan anvendes til, på instance-niveau, at angive f.eks. om et element er eksisterende, foreløbig, uafklaret, egen eller anden entreprise osv.

For hver Status angives Name, Description, Locked Size (yes/no), Add to BOM (yes/no), Add to legend (yes/no), Use IFC color (yes/no), samt IFC color.

Status vælges på objektet via instance parameteret "MC Object Status".

Nedenstående eksempler er inkluderet i dataset og template i den danske lokalisering. Status overføres fra dataset til projekt via Design Data.

MagiCAD -

MagiCAD-RS_DEN\rs2018\Datasets\DEN\MCREV-2021_b_r2018.mrv

Dataset:

Ventilation

Piping

Drainage

Electrical

Communication and data

Cable routes

Schematics

Variable settings

Installation codes (electrical)

Installation codes (piping)

Installation codes (ventilation)

Status

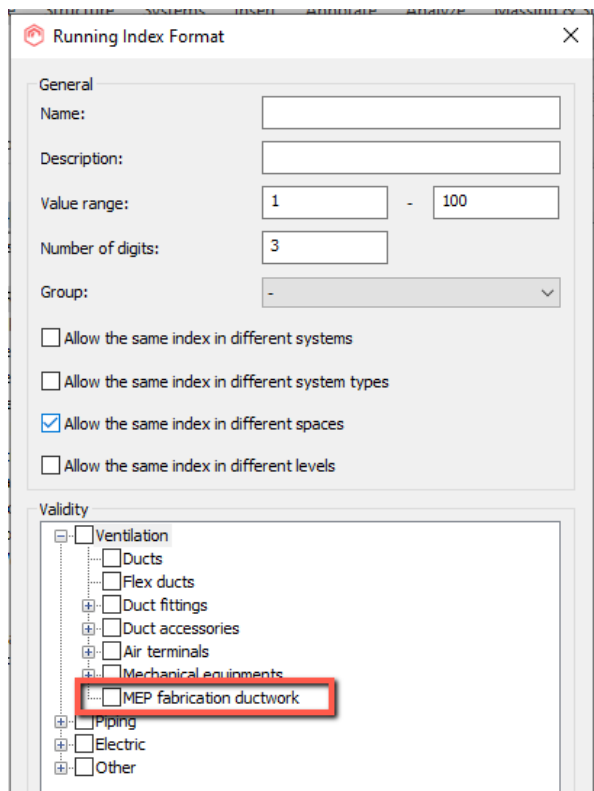
Running index

Provision for builderswork openings

Report templates for Bill of Materials

Name	Description	Locked size	Add to BOM	Add to legend	Use IFC color	IFC color
Anden entreprise	Installationer ikke inkluderet i egen entreprise	☒	☐	☐	☒	
Eksisterende	Eksisterende installationer	☒	☐	☐	☒	
Færdigprojekteret	Installationer klar til mængdeudtræk	☒	☒	☒	☐	

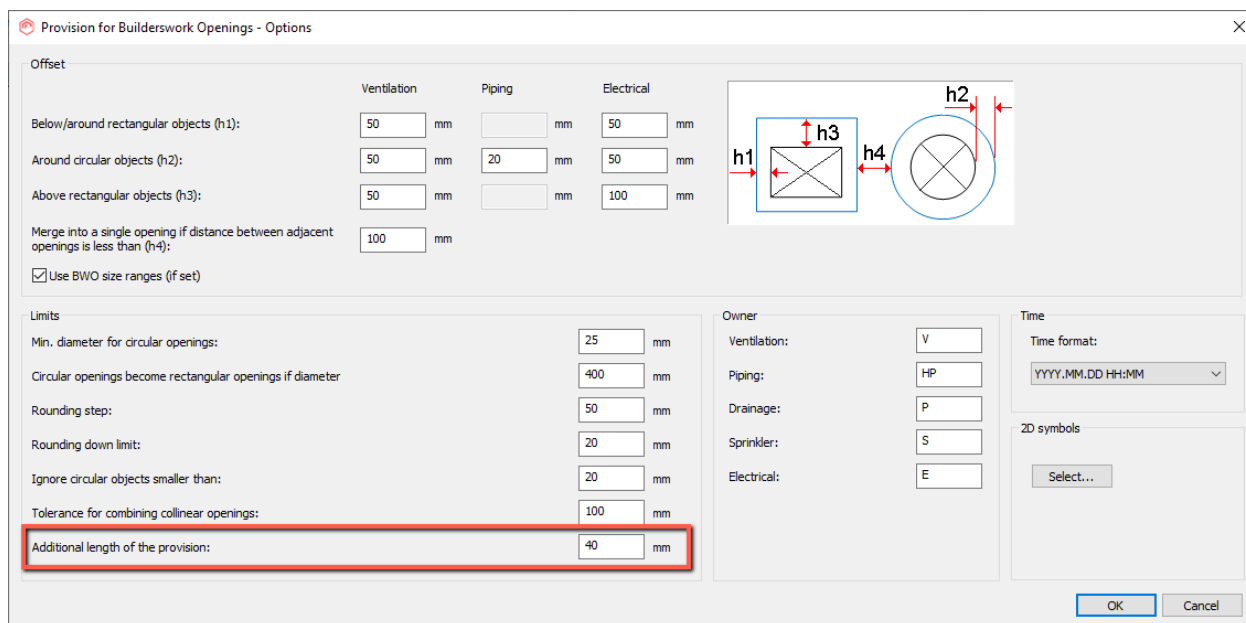
- Running index format understøtter nu MEP fabrication parts



The 'Running Index Format' dialog box is shown. It has a 'General' tab with fields for Name, Description, Value range (1 to 100), Number of digits (3), and a Group dropdown. Below these are four checkboxes: 'Allow the same index in different systems' (unchecked), 'Allow the same index in different system types' (unchecked), 'Allow the same index in different spaces' (checked), and 'Allow the same index in different levels' (unchecked). The 'Validity' section shows a tree view of system types. Under 'Ventilation', 'MEP fabrication ductwork' is highlighted with a red box.

Provision for builderswork openings

- Mulighed for at styre hvor stor en del af provision-elementet, der skal stikke ud fra væg- eller dækoverflader. Afstanden styres vha. parameteret "Additional length of the provision"

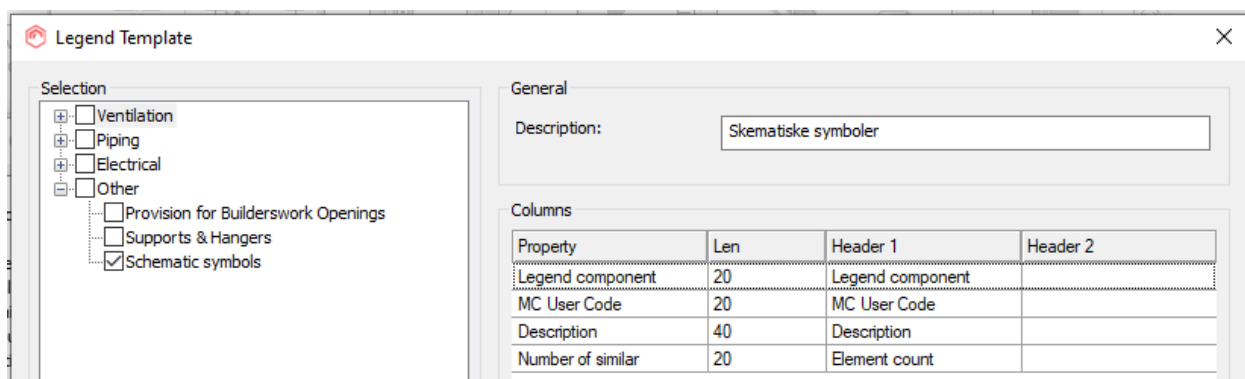


The 'Provision for Builderswork Openings - Options' dialog box is shown. It has an 'Offset' section with a table of values for Ventilation, Piping, and Electrical. The 'Additional length of the provision' field is highlighted with a red box. The 'Limits' section has fields for Min. diameter for circular openings, Circular openings become rectangular openings if diameter, Rounding step, Rounding down limit, Ignore circular objects smaller than, and Tolerance for combining collinear openings. The 'Owner' section has dropdowns for Ventilation, Piping, Drainage, Sprinkler, and Electrical. The 'Time' section has a 'Time format' dropdown and a '2D symbols' section with a 'Select...' button. The 'Additional length of the provision' field is highlighted with a red box.

	Ventilation	Piping	Electrical
Below/around rectangular objects (h1):	50 mm	50 mm	50 mm
Around circular objects (h2):	50 mm	20 mm	50 mm
Above rectangular objects (h3):	50 mm	50 mm	100 mm
Merge into a single opening if distance between adjacent openings is less than (h4):	100 mm		

Legend template for Schematic Symbols

- Legend templates omfatter nu også Schematic Symbols. Nedenstående eksempel er tilføjet datasettet i den danske lokalisering



Template

Ændringer i shared parameters fil

- MagiCAD 2021 UR-1 indeholder følgende ændringer i magiParameters.txt:

GUID	Parameter name	Group
30507a38-59bf-4e66-9ce0-718d046d2f1e	MC Copy Wire Type from Circuit	5
f0cb2d83-07c9-4de6-afbb-98b9abab529e	MC Design Sensible Cooling Load	1
402f4210-cb8a-4bb7-860e-1eabd99e5fa2	MC Design Supply Air Temperature	1
4c8bf974-566d-4b33-8718-64d84ef35ea9	MC Design Temperature Cooling	1
bae3dce1-3398-437d-b5a9-1dfdeff446ae	MC Design Temperature Heating	1
8ef7ce10-01a3-46b4-9fe0-53a3023598e7	MC Fire Rating	1
fc9fd78c-9cc3-418e-925f-9d2754f7b017	MC Not in Use	5
1c5ed3cc-b988-4f4e-b64b-e7c5a4bfe18e	MC Object Status	1
6509b509-cc20-4bb2-8526-c82d9f39a03c	MC Part Number	1
c8e3fe63-3809-40d3-b395-1ffed49959d1	MC Piping Diversified Flow	1
8f1b2b2a-480b-4b7c-8c80-f1b024900108	MC Provision Type	1
874a24dc-6b3f-46d8-a349-38e70cd70a60	MC Provision Host	1

Ventilation

- Kanalserierne "Lindab SR" og "Lindab SR Standard" er opdateret som beskrevet under afsnittet "Dataset"
- Parameteret "MC Ventilation LpA 10 sab" er slettet

Heating

- View template "QA___3_P__MC PIPING VELOCITY" er omdøbt til "QA___3_P__HEATING MC VELOCITY"
- View template "QA___P_P__MC PIPING VELOCITY" er omdøbt til "QA___P_P__HEATING MC VELOCITY". Filtre er opdateret

Visibility/Graphic Overrides for QA___P_P__HEATING MC VELOCITY

Model Categories

Annotation Categories

Analytical Model Categories

Imported Categories

Filters

Name	Visibility
Sections/Elev/Cal (VIEW-USE not 4_QUALITY ASSURANCE)	☐
Sections/Elev/Cal (SUB-DICIPLINE not P__HEATING VELOCITY)	☐
VP__Mechanical Equipment (Radiatorer)	☐
P__SV - AFLØB, SPILDEVAND (System Abbreviation)	☐
P__KF - KØLING, FREM (System Abbreviation)	☐
P__KR - KØLING, RETUR (System Abbreviation)	☐
P__SPR - SPRINKLERANLÆG, RØR (System Abbreviation)	☐
P__TV - AFLØB, TAG-(REGN)VAND - (System Abbreviation)	☐
P__BC - BRUGSVAND (#1), CIRKULATION (System Abbreviation)	☐
P__BK - BRUGSVAND (#1), KOLDT (System Abbreviation)	☐
P__BV - BRUGSVAND (#1), VARMT (System Abbreviation)	☐
P__DV - DRÆN(VAND) (System Abbreviation)	☐

- View template "QA___3_P__MC PIPING dp/m" er omdøbt til "QA___3_P__MC HEATING dp/m". Filtre er opdateret

Visibility/Graphic Overrides for QA___3_P__MC HEATING dp/m

Model Categories	Annotation Categories	Analytical Model Categories	Imported Categories	Filters
Name	Visibility	Projection/Surface		
		Lines	Patterns	Trans
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 Abbr...	☐			
P__BK - BRUGSVAND (#1), KOLDT (System Abbreviation)	☐			
P__BV - BRUGSVAND (#1), VARMT (System Abbreviation)	☐			
P__Sanitary (System Classification)	☐			
P__Pipework MC Piping dp/m mindre end 0,050 kPa	☒			
P__Pipework MC Piping dp/m større end 0,100 kPa	☒			
P__Pipework MC Piping dp/m større end 0,050 kPa og ...	☒			

- View template "QA____P_P_MC PIPING dp/m" er omdøbt til "QA____P_P_MC HEATING dp/m". Filtre er opdateret

Visibility/Graphic Overrides for QA____P_P_MC HEATING dp/m

Model Categories Annotation Categories Analytical Model Categories Imported Categories Filters				
Name	Visibility	Projection/Surface		
		Lines	Patterns	1
Sections/Elev/Cal (VIEW-USE not 4_QUALITY ASSURAN...	☐			
Sections/Elev/Cal (SUB-DICIPLINE not P__HEATING FRI...	☐			
P__SV - AFLØB, SPILDEVAND (System Abbreviation)	☐			
P__TV - AFLØB, TAG-(REGN)VAND - (System Abbreviat...	☐			
P__BC - BRUGSVAND (#1), CIRKULATION (System Abbr...	☐			
P__BK - BRUGSVAND (#1), KOLDT (System Abbreviation)	☐			
P__BV - BRUGSVAND (#1), VARMT (System Abbreviatio...	☐			
P__KF - KØLING, FREM (System Abbreviation)	☐			
P__KR - KØLING, RETUR (System Abbreviation)	☐			
P__SPR - SPRINKLERANLÆG, RØR (System Abbreviation)	☐			
P__Sanitary (System Classification)	☐			
VP__Mechanical Equipment (Radiatorer)	☒			

Electrical

- Wire type management. Via kolonnen "In use" er det nu muligt at definere hvilke ledningstyper der skal være tilgængelige ved tegning af ledninger ("Wires"). I templateen for den danske lokalisering, er alle typer valgt på forhånd.

Wire Type Management

General

Type name

	In use	Name	Conductor Materials	Conductor Arrangements	Weight [kg/m]	Diameter / Width [mm]	Height [mm] (if needed)	Number of phases	Number of neutrals	Number of PEs
1	☒	THHW_Cu	Ph: Copper PE: Copper	Live: Multi-core PE: PE Included	0	0	0	0	0	0
2	☒	XHHW_Cu	Ph: Copper PE: Copper	Live: Multi-core PE: PE Included	0	0	0	0	0	0
3	☒	THHW_AI	Ph: Copper PE: Copper	Live: Multi-core PE: PE Included	0	0	0	0	0	0
4	☒	XHHW_AI	Ph: Copper PE: Copper	Live: Multi-core PE: PE Included	0	0	0	0	0	0
5	☒	MMJ 3x1,5S	Ph: Copper PE: Copper	Live: Multi-core PE: PE Included	0,12	8,80	8,80	1	1	1
6	☒	MMJ 5x1,5S	Ph: Copper PE: Copper	Live: Multi-core PE: PE Included	0,18	11,00	11,00	3	1	1

☒ Show calculation columns

Open electrical settings...

OK Cancel

Schematic

- Ny view template "QA____3_P__HEATING LINKED IN SCHEMATIC"

Ny view template "QA____D_VP__LINKED IN SCHEMATIC"

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)
NTIttools_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)
NTIttools_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)
NTIttools_DK_MEP_Shared parameters .txt

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

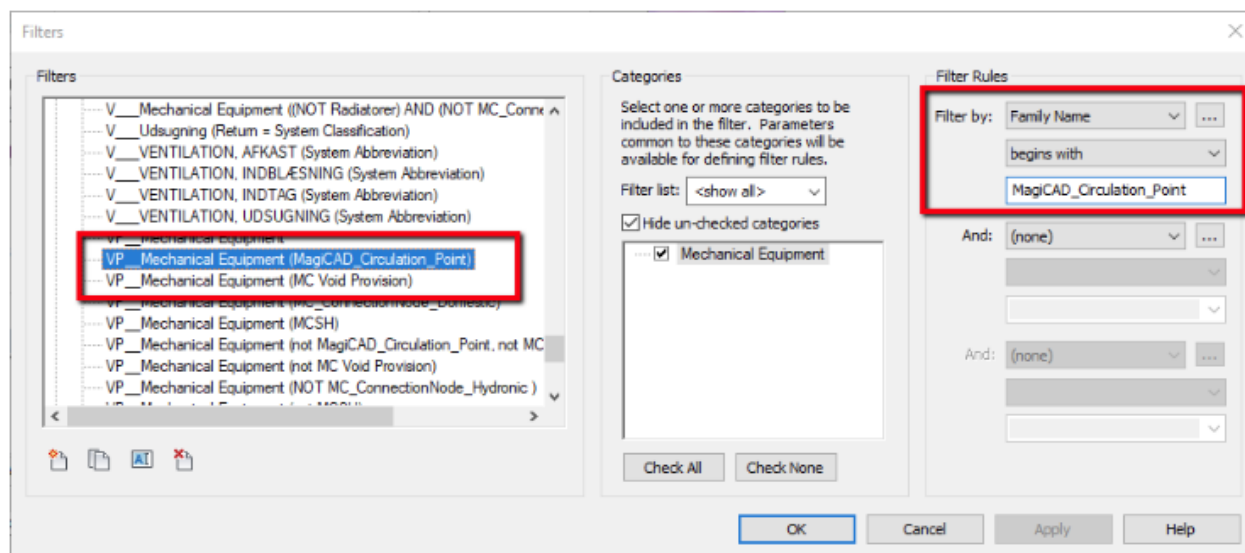
DEN-MCREV-2021_a_r2021.mrv (dataset)
DEN-MCREV-2021_a_r2021.rte (Revit template)
DEN-MCREV-2021_a_r2021.mcd (description fil)
NTIttools_DK_MEP_Shared parameters .txt

Herudover indeholder lokaliseringen nogle tegningshoveder, tegningsrammer og tags

Template

View templates, Filtre:

- Nedenstående filter oprettet og tilføjet view Heating viewtemplates

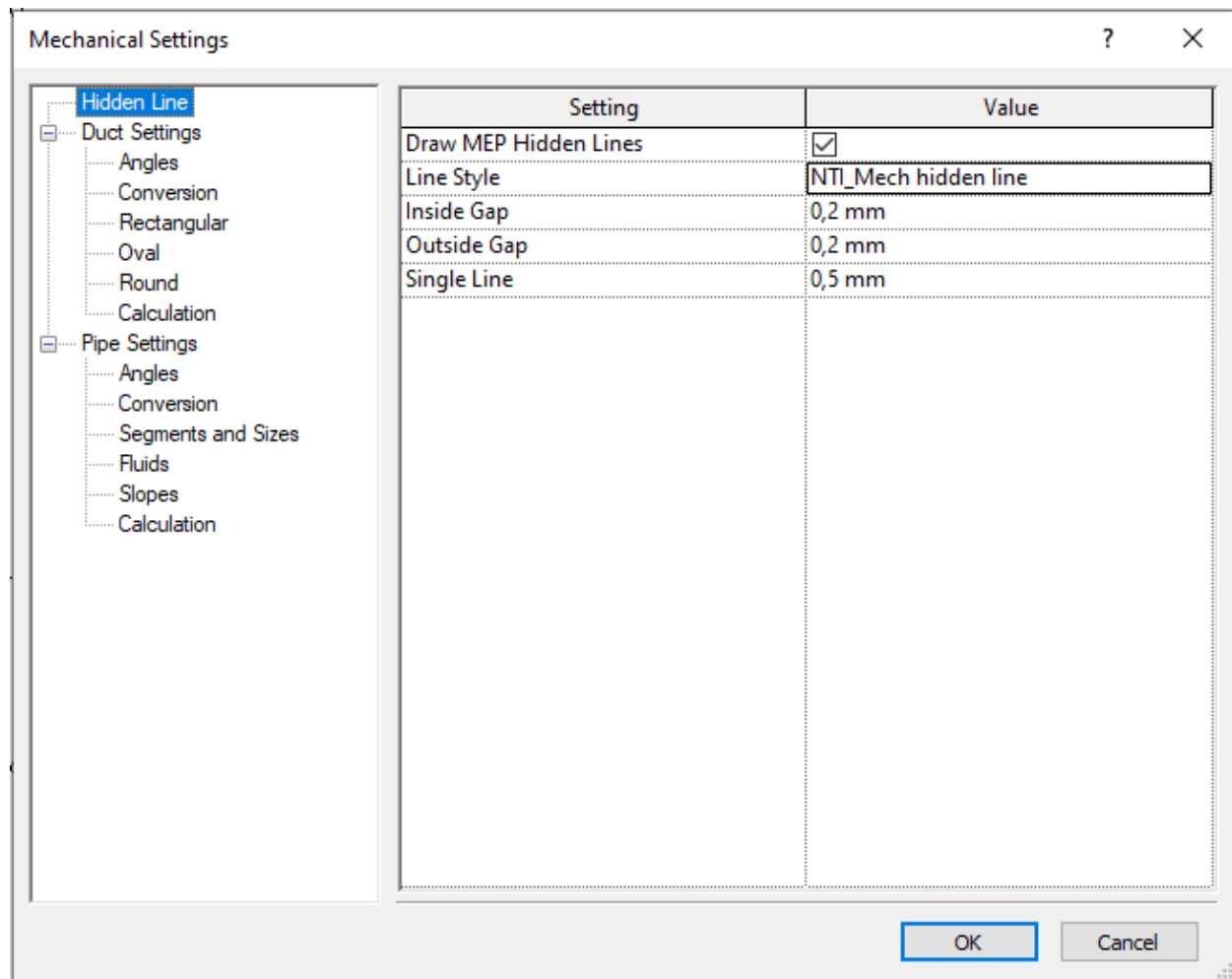


- View template WORK_C_C__CLASH har fået tilknyttet nedenstående filtre.

Visibility/Graphic Overrides for WORK_P_C__CLASH

Model Categories Annotation Categories Analytical Model Categories Imported Categories Filters Worksets Revit Links				
Name	Visibility	Projection/Surface		
		Lines	Patterns	Transparency
Sections/Elev/Cal (VIEW-USE not 1_WORK)	☐			
Sections/Elev/Cal (SUB-DISCIPLINE not C__CLASH)	☐			
E_KABELBAKKE	☒			
E_GITTERBAKKE	☒			
E_ALMENFØRINGSVEJ	☒			
E_KABELSTIGE	☒			
E_LADDER	☒			
E_RØR_I_TERRÆN	☒			
E_RØR_I_BYGNING	☒			
E_BELYSNINGSANLÆG	☒			
E_LAVSPÆNDING	☒			
VP_Insulation	☒			50%
VP_Mechanical Equipment (Radiatorer)	☒			
VP_Mechanical Equipment (MCSH)	☒			

- 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 rensset.
- 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

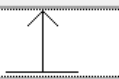
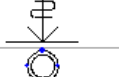
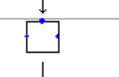
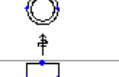
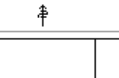
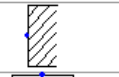
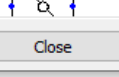
Herudover indeholder lokaliseringen nogle tegningshoveder, tegningsrammer og tags

Dataset

Schematics

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

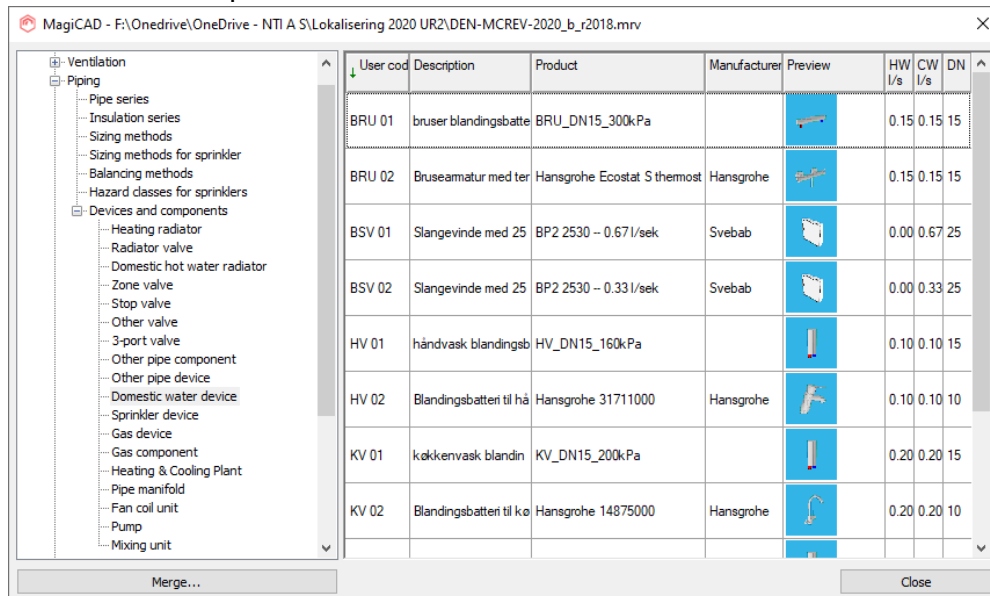
MagiCAD - F:\Onedrive\OneDrive - NTI A S\Lokalisering 2020 UR2\DEN-MCREV-2020_b_r2018.mrv

Dataset:	User code	Description	Symbol
- Ventilation - Piping - Drainage - Electrical - Communication and data - Cable routes - Schematics - E - 1 - E - 2 - E - skema 1 - E - skema 2 - P - V 232 - Tilbehør 233 - Udstyr - VP - Reguleringsudstyr & instrumenter - Variable settings - Provision for builderswork openings - Report templates for Bill of Materials - Legend templates - Dataset settings			
	232-01	232-01_Indblæsningsarmatur, på kanal	
	232-02	232-02_Udsugningsarmatur, på kanal	
	232-03	232-03-2_Anemostat, indblæsning	
	232-03	232-03-1_Anemostat, indblæsning	
	232-04	232-04-2_Anemostat, udsugning	
	232-04	232-04-1_Anemostat, udsugning	
	232-05	232-05_Rense og inspektionslem	
	232-06	232-06_Rist i væg	
	232-07	232-07_Spjæld	

Merge... Close

Products

- Ændret navngivning på produkter så den korrekte benævnelse 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 præsenterationsform - 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

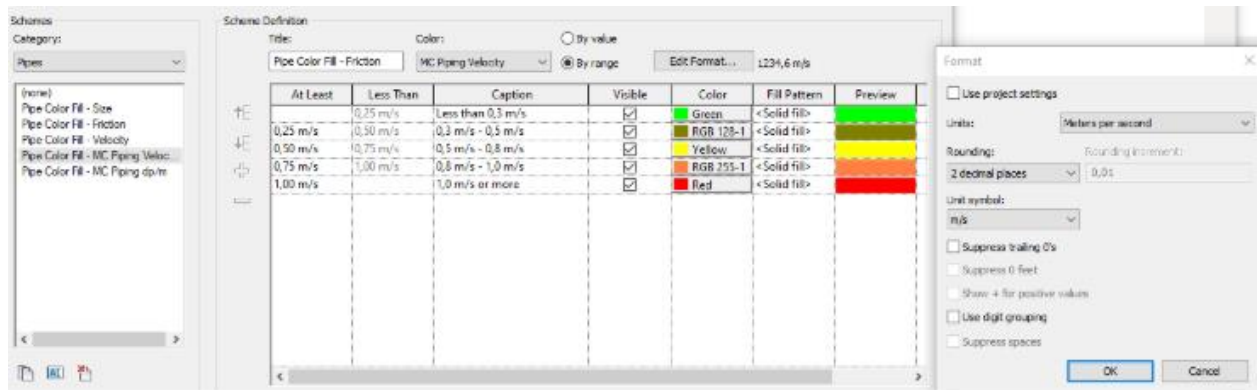
- Derudover er alle duct systems sat til no override i line weight, samt no override i line pattern. Så bliver mech hidden line vist korrekt.
- VP_Insulation filteret er fjernet på alle work view der har med ducts at gøre, det var overflødigt på ducts, men det er stadigvæk på pipes work views,

VP_Insulation	☒		50%
---------------	-------------------------------------	--	-----

- 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.

P__BV - BRUGSVAND (#1), VARMT (System Abbreviation)	☐			
P__Sanitary (System Classification)	☐			
P__Pipework MC Piping dp/m mindre end 0,050 kPa	☒			
P__Pipework MC Piping dp/m større end 0,100 kPa	☒			
P__Pipework MC Piping dp/m større end 0,050 kPa og mindre end 0,1...	☒			

- 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

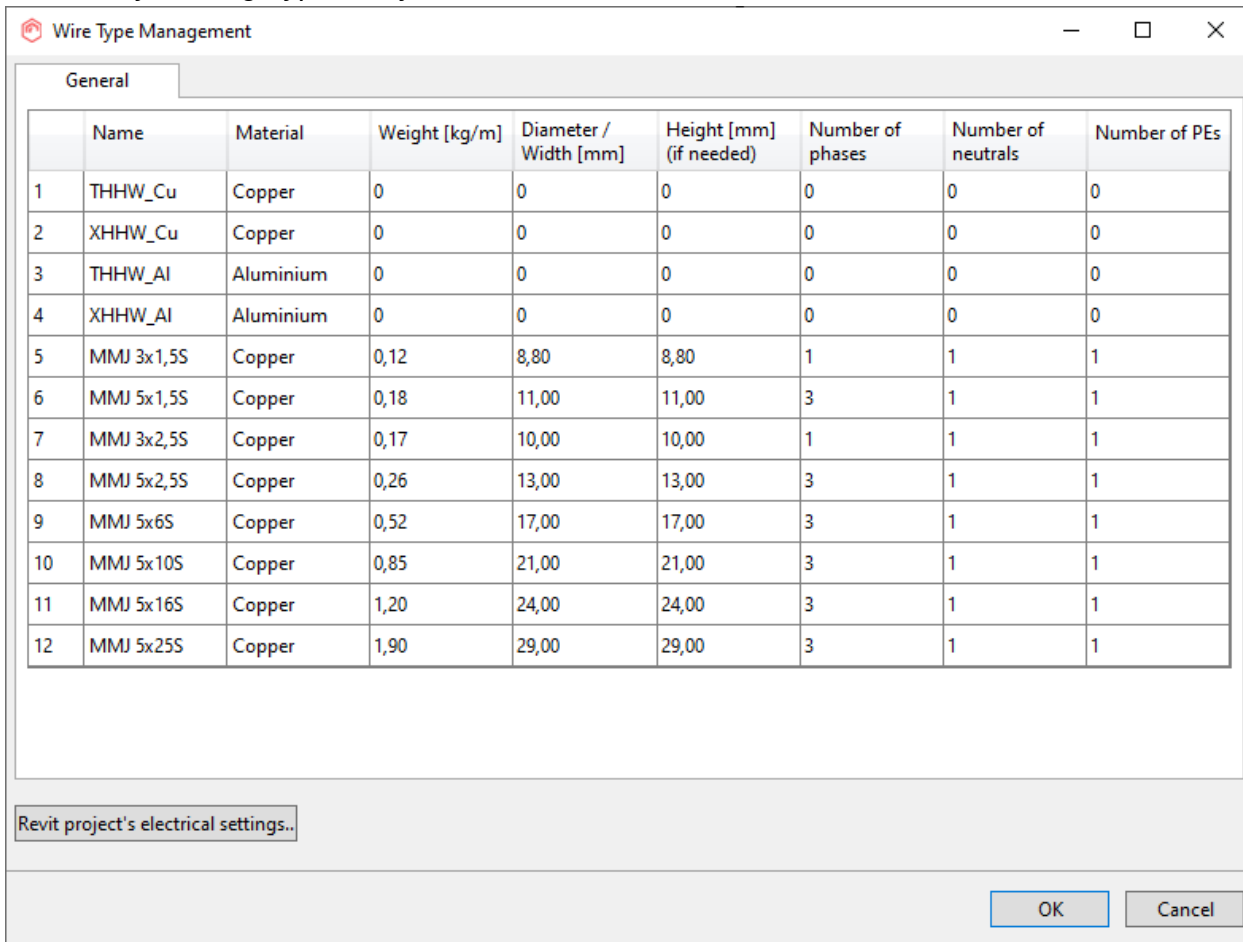
- Flangen LS LOOSE på rekt kanaler er ændret til LS_L da LS LOOSE i visse tilfælde gav årsag til fejl.
- På serien Lindab Rekt er flangerne LS og LS Loose skiftet ud med RJFP og RJFP_L, da disse i dag leveres som standard fra Lindab. LS og LS Loose (nu LS_L) er bevaret i datasettet.
- På serien Lindab 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.

EI

- 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_AI	Aluminium	0	0	0	0	0	0
4	XHHW_AI	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

Revit project's electrical settings..

OK Cancel

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:

Visibility/Graphic Overrides for WORK_3_C__CLASH

Model Categories Annotation Categories Analytical Model Categories Imported Categories Filters					
Name	Visibility	Projection/Surface			
		Lines	Patterns	Transparency	
E_KABELBAKKE	☒				
E_GITTERBAKKE	☒				
E_ALMENFØRINGSVEJ	☒				
E_KABELSTIGE	☒				
E_LADDER	☒				

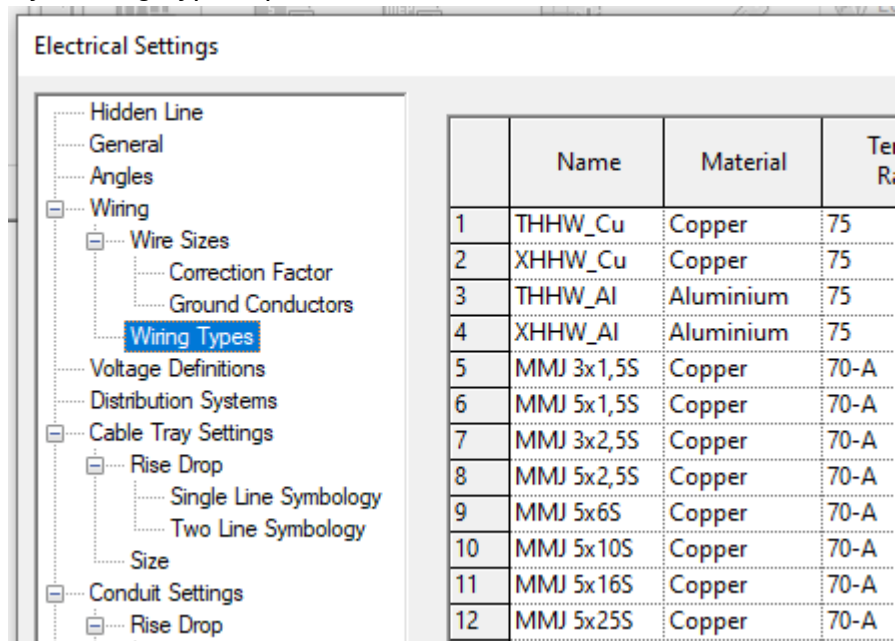
- Filtre for P_VF og P_VR ændret, så de styres af BEGINS WITH (VF/VR) i stedet for EQUALS (VF/VR)
- Isolering transparens styres kun vha. Filtre, og ikke både via filtre og Model Categories.
- Schedule «Rumskema» er erstattet af «Room Schedule» der kigger på Rooms, også fra linkede filer.
- Oprettet 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	Ter Ri
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

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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.

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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

Mixing Unit

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

The screenshot shows the MagiCAD software interface. On the left, a tree view under 'Balancing methods' lists various components: Hazard classes for sprinklers, Devices and components (expanded), Heating radiator, Radiator valve, Domestic hot water radiator, Zone valve, Stop valve, Other valve, Other pipe component, Other pipe device, Domestic water device, Sprinkler device, Gas device, Gas component, Heating & Cooling Plant, Pipe manifold, Fan coil unit, Pump, and Mixing unit. On the right, a table displays component details:

User code	Description	Product	Manufa	Preview
	FHM-C Mixing shunt Alpha 2 15-40 pump	FHM-C8-088U0098	Danfoss	
	Shunt unit for district heating or cooling, primary circuit co	Top-25 P-1-2 S-3-4 CVP	Generic	

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"

Provision for Builderswork Openings - Options

Offset

Below/around rectangular objects (h1): mm

Around circular objects (h2): mm

Above rectangular objects (h3): mm

Extra offset around fire or flow dampers: mm

Merge into a single opening if distance between adjacent openings is less than (h4): mm

☐ Use BWO size ranges (if set)

Ventilation: mm

Piping: mm

Electrical: mm

Limits

Min. diameter for circular openings: mm

Circular openings become rectangular openings if diameter: mm

Rounding step: mm

Rounding down limit: mm

Ignore circular openings smaller than: mm

Tolerance for combining collinear openings: mm

Owner

Ventilation:

Piping:

Plumbing:

Sprinkler:

Electrical:

Time

Time format:

2D symbols

2D Symbols

Horizontal

ROUND Penetrating

ROUND Recess

RECTANGULAR Penetrating

RECTANGULAR Recess

Wall Plan view

Wall Elevation

Wall Section

Vertical

ROUND Penetrating

ROUND Recess

RECTANGULAR Penetrating

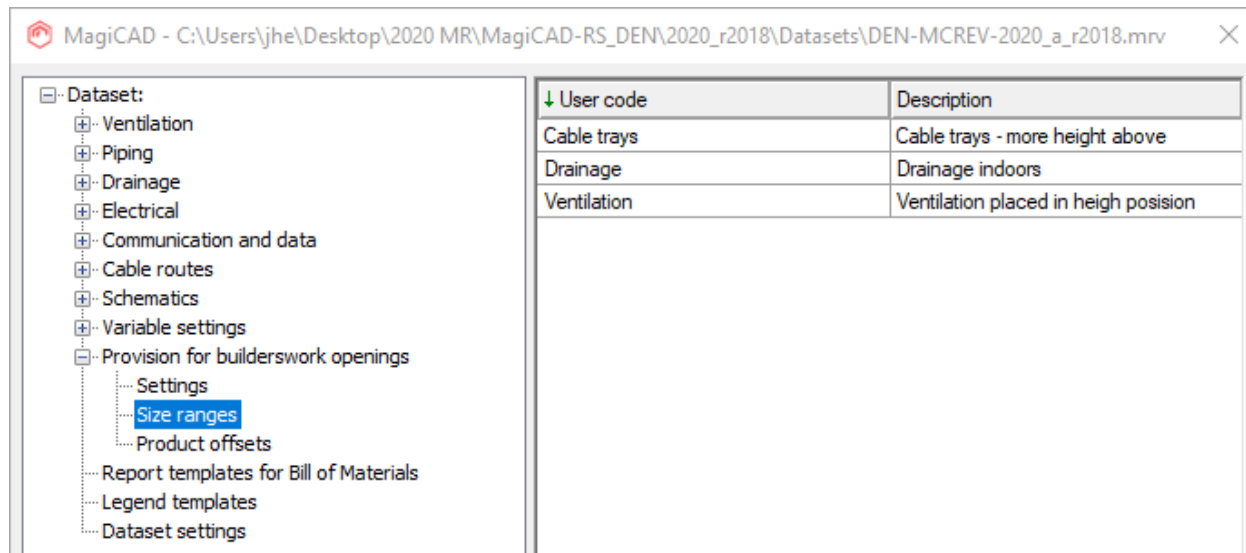
RECTANGULAR Recess

Floor / roof Plan view

Floor / roof Section

"Size ranges" blev allerede muligt med 2019 UR1.

Forslag hertil er nu tilføjet til datasettet.

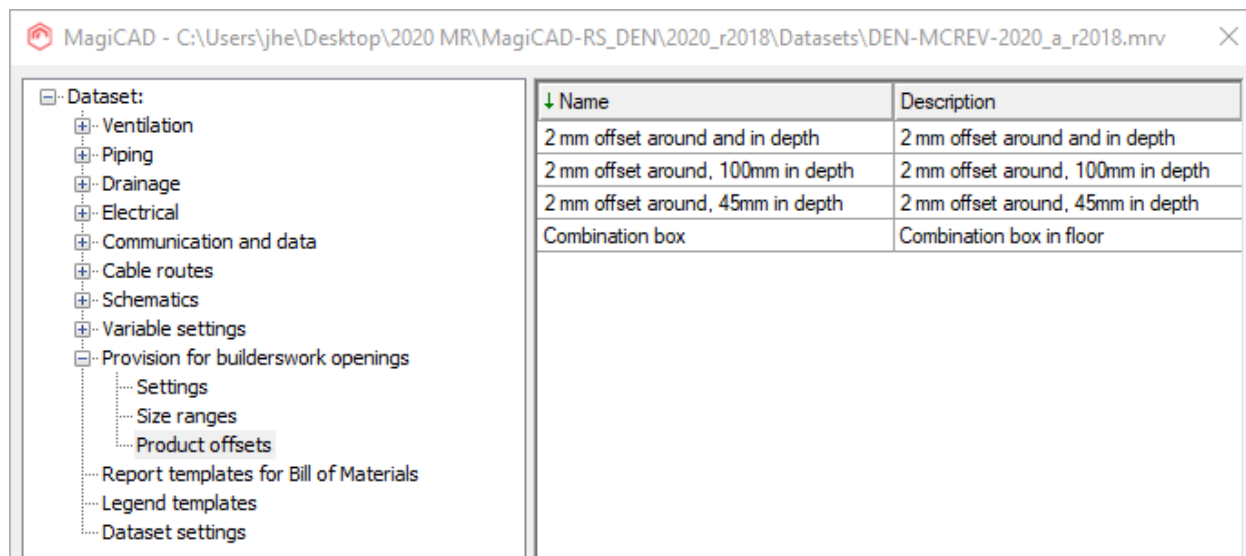


MagiCAD - C:\Users\jhe\Desktop\2020 MR\MagiCAD-RS_DEN\2020_r2018\Datasets\DEN-MCREV-2020_a_r2018.mrv

Dataset:	User code	Description
Ventilation		
Piping		
Drainage		
Electrical		
Communication and data		
Cable routes		
Schematics		
Variable settings		
Provision for builderswork openings		
Settings		
Size ranges		
Product offsets		
Report templates for Bill of Materials		
Legend templates		
Dataset settings		

"Product offsets" blev allerede muligt med 2019 UR2

Forslag hertil er nu tilføjet til datasettet.



MagiCAD - C:\Users\jhe\Desktop\2020 MR\MagiCAD-RS_DEN\2020_r2018\Datasets\DEN-MCREV-2020_a_r2018.mrv

Dataset:	Name	Description
Ventilation		
Piping		
Drainage		
Electrical		
Communication and data		
Cable routes		
Schematics		
Variable settings		
Provision for builderswork openings		
Settings		
Size ranges		
Product offsets		
Report templates for Bill of Materials		
Legend templates		
Dataset settings		

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

View templates
Discipline filter:
<all>
View type filter:
3D Views, Walkthroughs
Names:
QA 3 C PROVISION FOR BUILDERSWORK OPENINGS
QA 3 P HEATING FRICTION
QA 3 P HEATING VELOCITY
QA 3 V FRICTION
QA 3 V QA
QA 3 V VELOCITY
SHEET 3 C SPATIAL COMPOSITION
SHEET 3 E ELECTRICAL
SHEET 3 E SPATIAL COMPOSITION
SHEET 3 P DOMESTIC WATER
SHEET 3 P DRAINAGE
SHEET 3 P HEATING
SHEET 3 P PIPING
SHEET 3 P SPRINKLER
SHEET 3 V VENTILATION
SHEET 3 VP SPATIAL COMPOSITION
SHEET 3 VP VENTILATION & PIPING
WORK 3 C CLASH
WORK 3 C COORDINATION
WORK 3 E ELECTRICAL
WORK 3 P DOMESTIC WATER
WORK 3 P DRAINAGE
WORK 3 P HEATING
WORK 3 P PIPING
WORK 3 P SPRINKLER
WORK 3 V VENTILATION
WORK 3 VP VENTILATION & PIPING

View templates
Discipline filter:
<all>
View type filter:
Ceiling Plans
Names:
SHEET C C COORDINATION
SHEET C E ELECTRICAL
SHEET C P PIPING
SHEET C V VENTILATION
SHEET C VP VENTILATION & PIPING
SHEET C VPE VENTILATION & PIPING & ELECTRICAL
WORK C C COORDINATION
WORK C E ELECTRICAL
WORK C P PIPING
WORK C V VENTILATION
WORK C VP VENTILATION & PIPING

View templates
Discipline filter:
<all>
View type filter:
Renderings, Drafting Views
Names:
SHEET D VP VENTILATION & PIPING

View templates
Discipline filter:
<all>
View type filter:
Elevations, Sections, Detail Views
Names:
SHEET S C COORDINATION
SHEET S E ELECTRICAL
SHEET S P DOMESTIC WATER
SHEET S P DRAINAGE
SHEET S P HEATING
SHEET S P PIPING
SHEET S P SPRINKLER
SHEET S V VENTILATION
SHEET S VP SPATIAL COMPOSITION
SHEET S VP VENTILATION & PIPING
WORK S C CLASH
WORK S C COORDINATION
WORK S E ELECTRICAL
WORK S P DOMESTIC WATER
WORK S P DRAINAGE
WORK S P HEATING
WORK S P PIPING
WORK S P SPRINKLER
WORK S V VENTILATION
WORK S VP VENTILATION & PIPING

View templates
Discipline filter:
<all>
View type filter:
Floor, Structural, Area Plans
Names:
QA P C PROVISION FOR BUILDERSWORK OPENINGS
QA P P HEATING FRICTION
QA P P HEATING VELOCITY
QA P V FRICTION
QA P V QA
QA P V SPACE SOUND
QA P V VELOCITY
SHEET P C COORDINATION
SHEET P E ELECTRICAL
SHEET P E LIGHTING
SHEET P E SPATIAL COMPOSITION
SHEET P P DOMESTIC WATER
SHEET P P DRAINAGE
SHEET P P HEATING
SHEET P P PIPING
SHEET P P SPRINKLER
SHEET P V VENTILATION
SHEET P VP SPATIAL COMPOSITION
SHEET P VP VENTILATION & PIPING
WORK P C CLASH
WORK P C COORDINATION
WORK P E ELECTRICAL
WORK P E LIGHTING
WORK P P DOMESTIC WATER
WORK P P DRAINAGE
WORK P P HEATING
WORK P P PIPING
WORK P P SPRINKLER
WORK P V VENTILATION
WORK P VP VENTILATION & PIPING

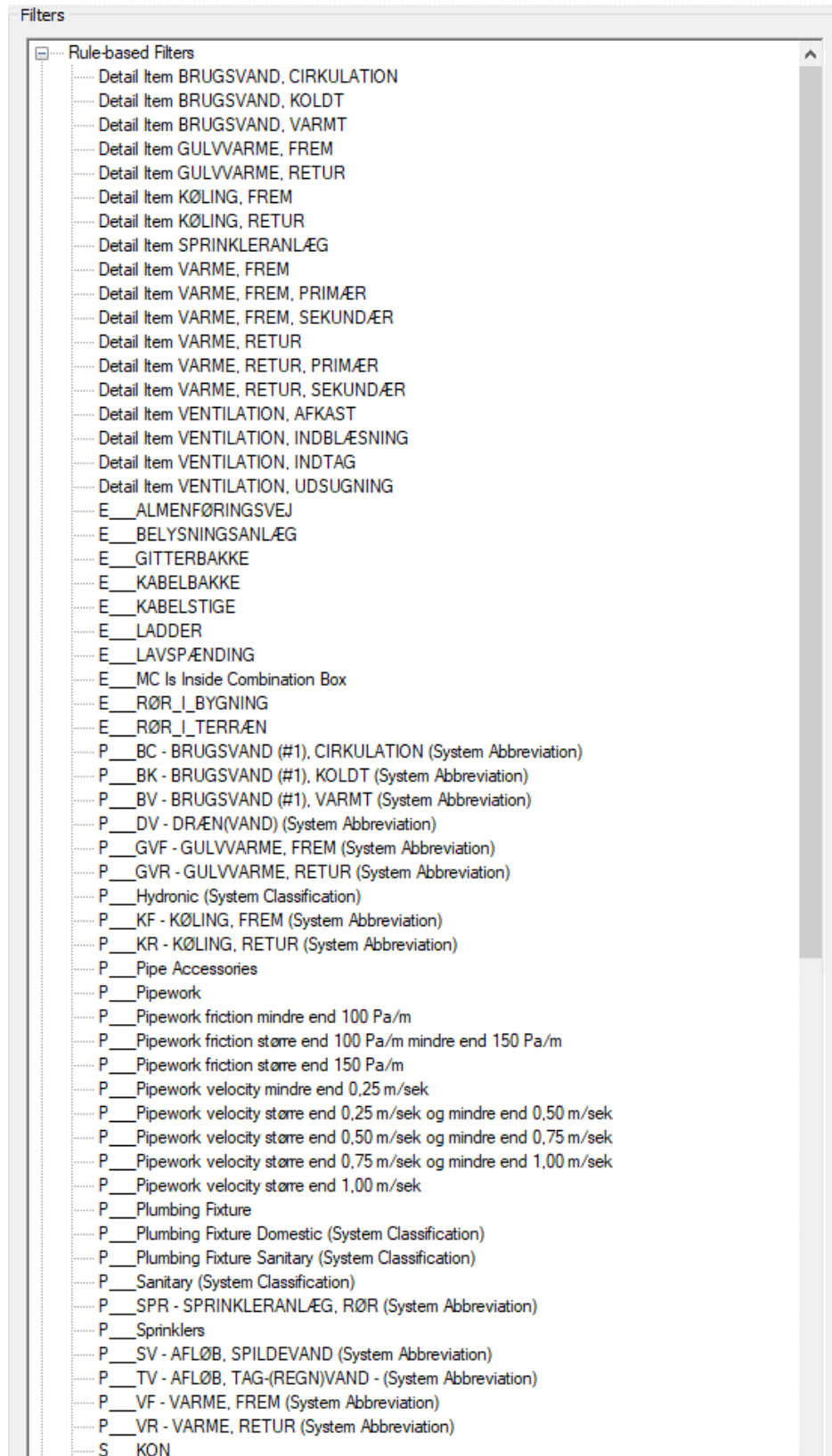
Viewtype

VIEW USE _ MagiCAD-DICIPLINE _ SUB-DICIPLINE

System Family: Floor Plan	▼
WORK_C _ COORDINATION	▼
Floor Plan	
QA _ C _ PROVISION FOR BUILDERSWORK OPENINGS	
QA _ P _ HEATING FRICTION	
QA _ P _ HEATING VELOCITY	
QA _ V _ FRICTION	
QA _ V _ QA	
QA _ V _ SPACE SOUND	
QA _ V _ VELOCITY	
SHEET_E _ ELECTRICAL	
SHEET_E _ LIGHTING	
SHEET_P _ DOMESTIC WATER	
SHEET_P _ DRAINAGE	
SHEET_P _ HEATING	
SHEET_P _ PIPING	
SHEET_P _ SPRINKLER	
SHEET_V _ VENTILATION	
SHEET_VP _ SPATIAL COMPOSITION	
SHEET_VP _ VENTILATION & PIPING	
WORK_C _ CLASH	
WORK_C _ COORDINATION	
WORK_E _ ELECTRICAL	
WORK_P _ DOMESTIC WATER	
WORK_P _ DRAINAGE	
WORK_P _ HEATING	
WORK_P _ PIPING	
WORK_P _ SPRINKLER	
WORK_V _ VENTILATION	
WORK_VP _ VENTILATION & PIPING	
System Family: Section	▼
WORK_C _ COORDINATION	▼
Building Section	
Building Section Classic	
SHEET_E _ ELECTRICAL	
SHEET_E _ LIGHTING	
SHEET_P _ DOMESTIC WATER	
SHEET_P _ DRAINAGE	
SHEET_P _ HEATING	
SHEET_P _ PIPING	
SHEET_P _ SPRINKLER	
SHEET_V _ VENTILATION	
SHEET_VP _ SPATIAL COMPOSITION	
SHEET_VP _ VENTILATION & PIPING	
WORK_C _ CLASH	
WORK_C _ COORDINATION	
WORK_E _ ELECTRICAL	
WORK_P _ DOMESTIC WATER	
WORK_P _ DRAINAGE	
WORK_P _ HEATING	
WORK_P _ PIPING	
WORK_P _ SPRINKLER	
WORK_V _ VENTILATION	
WORK_VP _ VENTILATION & PIPING	

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

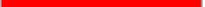
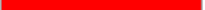
By value

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 (Radiatoror)	☒		
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

SUB-DICIPLINE	V__SPACE SOUND	☒
VIEW USE	QUALITY ASSURANCE	☒

Edit Color Scheme

Schemes
Category:
Spaces

Schema 1
MC Sound Level LpA

Scheme Definition
Title: Schema 1 Legend
Color: MC Sound Level LpA
☐ By value
☒ By range
Edit Format... 1234,56789

At Least	Less Than	Caption	Visible	Color	Fill Pattern	Preview
	27,000000	Less than 27	☒	Green	Solid fill	
27,000000	30,000000	27 - 30	☒	RGB 128-128-000	Solid fill	
30,000000	33,000000	30 - 33	☒	Yellow	Solid fill	
33,000000	36,000000	33 - 36	☒	RGB 255-128-064	Solid fill	
36,000000		36 or more	☒	Red	Solid fill	

Ceiling Planes

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

View Range

Primary Range

Top:

Level Above

Offset:

0,0

Cut plane:

Associated Level

Offset:

0,0

Bottom:

Associated Level

Offset:

0,0

View Depth

Level:

Level Above

Offset:

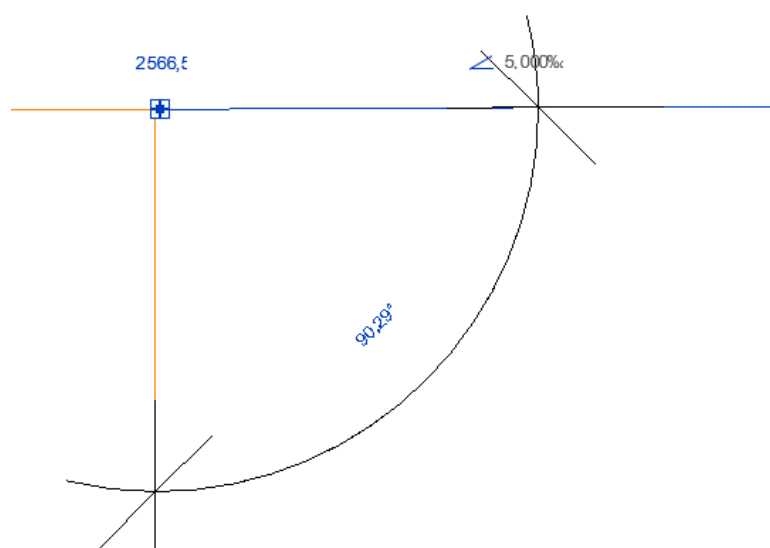
0,0

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
Type: ALMENFØRINGSVEJ

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: ALMENFØRINGSVEJ_RS_69_CTF_UN_CHANNEL-HORIZ-BEND_GEN_MC 2
Vertical Inside Bend	RS_69_CTF_UN_CHANNEL-VERT-INS-BEND-R10_GEN_MC: ALMENFØRINGSVEJ_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: ALMENFØRINGSVEJ_RS_69_CTF_UN_CHANNEL-VERT-OUTS-BEND-R10_GEN_MC 2
Tee	RS_69_CTF_UN_CHANNEL-HORIZ-TEE_GEN_MC: ALMENFØRINGSVEJ_RS_69_CTF_UN_CHANNEL-HORIZ-TEE_GEN_MC 2
Cross	RS_69_CTF_UN_CHANNEL-HORIZ-CROSS_GEN_MC: ALMENFØRINGSVEJ_RS_69_CTF_UN_CHANNEL-HORIZ-CROSS_GEN_MC 2
Transition	RS_69_CTF_UN_CHANNEL-REDUCER_GEN_MC: ALMENFØRINGSVEJ_RS_69_CTF_UN_CHANNEL-REDUCER_GEN_MC 2
Union	RS_69_CTF_UN_CHANNEL-UNION_GEN_MC: ALMENFØRINGSVEJ_RS_69_CTF_UN_CHANNEL-UNION_GEN_MC 2
Dimensions	
MC Height	
MC Length	
MC Width	
Identity Data	
Type Image	
Keynote	
Model	
Manufacturer	MC Cable Tray Series and Fittings
Type Comments	
URL	
Description	ALMENFØRINGSVEJ
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: 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
Type: KABELBAKKE
Load...
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

Type Properties

Family: System Family: Cable Tray with Fittings Load...

Type: xgl_KABELSTIGE Duplicate... Rename...

Type Parameters

Parameter	Value
Electrical	
Bend Radius Multiplier	1.000000
Electrical Engineering	
MC EXE Class	
MC IP Class	
Fittings	
Horizontal Bend	M_Ladder Horizontal Bend: KABELSTIGE
Vertical Inside Bend	M_Ladder Vertical Inside Bend: KABELSTIGE
Vertical Outside Bend	M_Ladder Vertical Outside Bend: KABELSTIGE
Tee	M_Ladder Horizontal Tee: KABELSTIGE
Cross	M_Ladder Horizontal Cross: KABELSTIGE
Transition	M_Ladder Reducer: KABELSTIGE
Union	M_Ladder Union: KABELSTIGE
Dimensions	
MC Height	
MC Length	
MC Width	
Identity Data	
Type Image	
Keynote	
Model	KS
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	

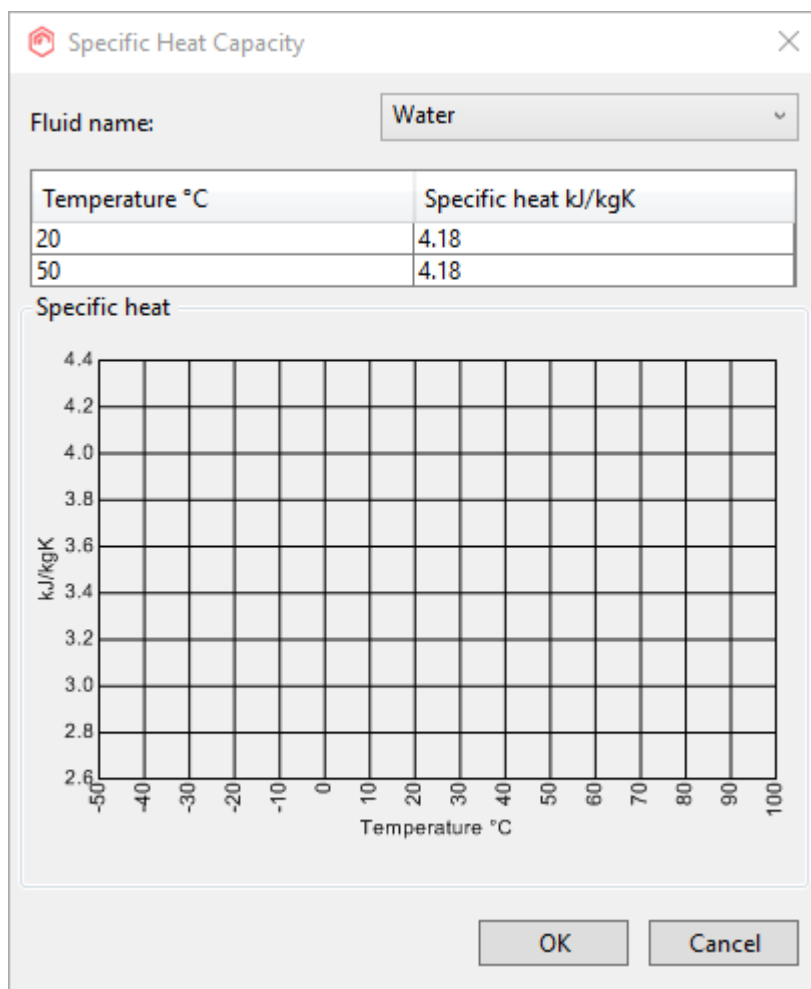
<< Preview OK Cancel Apply

Tag

Diverse tags er opdaterede.

Specific Heat Capacity

Denne er ændret for vand

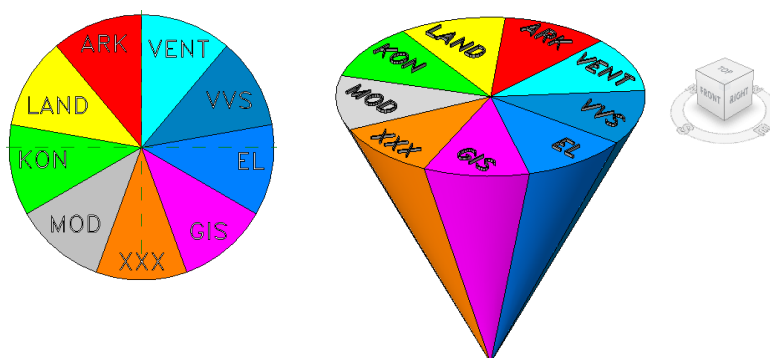


Origin_Marker

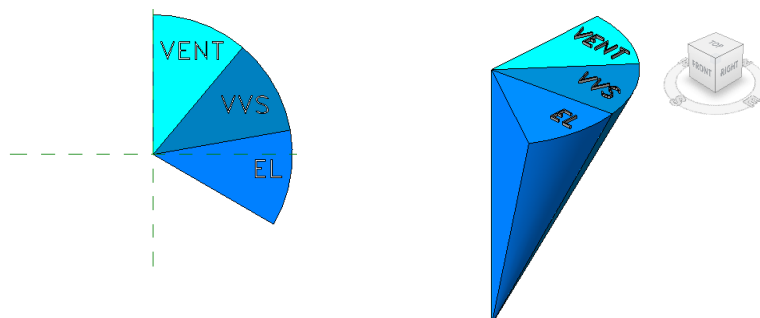
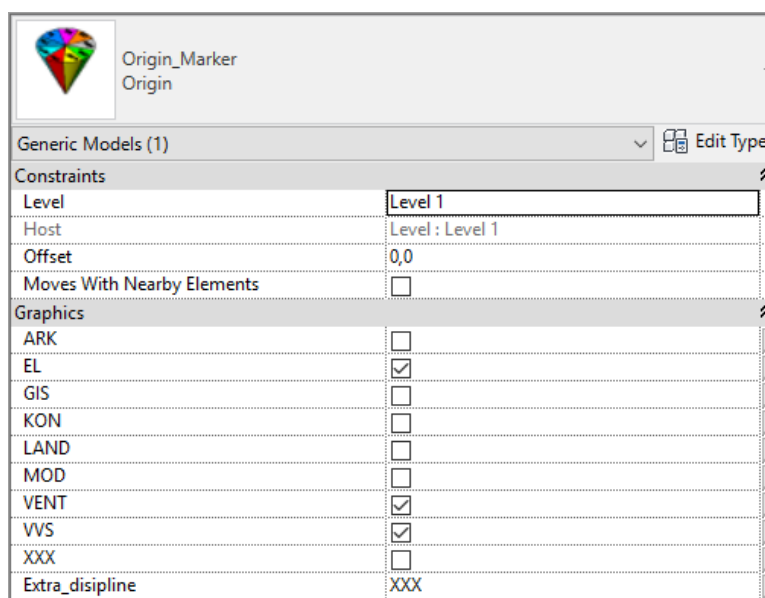
NTI har lavet en Origin_Marker, som angiver Revits Origin.

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

Indholdsfortegnelse; 2

NTI CADcenter A/S; 1