

TFM Manage UI

I

The category to update. You can also use Filters to define groups of elements.

"Mode" defines the level of data analysis. From only predefined parameter values to rulesets and builtin logic.

| _ | | | | | | | | | | |
|---|--|---------------------------------------|------------------------------------|--------------|--------------|-----------------|-----------------------------|-----------------------------|-------------------|---|
| [| ×] TFM | | | | | | | | | × |
| | Doors | ✓ 🗘 🗌 Select element | | | | | | Mod | e: Advanced | ~ |
| | Туре | RefString | Assembly Code | [Auto]SysNo1 | [Auto]SysNo2 | [Auto]CompOccNo | Keynote | [Auto]CompTypeNo1 | [Auto]CompTypeNo2 | ^ |
| | M_Single-Flush-Dbl Acting: 0915 x 2134mm | ++1234=2440.101.01-DIZ0001%DIZ.105.01 | 2440 - Vindu-, dør-, foldeveggsyst | 101 | 01 | 0001 | DIZ - Dører innvendig | 105 | 01 | |
| | M_Single-Flush: 0915 x 2134mm | ++1234=2440.101.02-DIZ0002%DIZ.105.02 | 2440 - Vindu-, dør-, foldeveggsyst | 101 | 02 | 0002 | DIZ - Dører innvendig | 105 | 02 | |
| | M_Single-Flush: 0915 x 2134mm 20 Minute | ++1234=2440.101.03-DBZ0001%DBZ.104.01 | 2440 - Vindu-, dør-, foldeveggsyst | 101 | 03 | 0001 | DBZ - Dører med brannklasse | 104 | 01 | |
| | M_Double-Flush: 1830 x 2134mm | ++1234=2440.101.04-DIZ0003%DIZ.103.01 | 2440 - Vindu-, dør-, foldeveggsyst | 101 | 04 | 0003 | DIZ - Dører innvendig | 103 | 01 | |
| | M_Single-Flush: 0915 x 2134mm | ++1234=2440.101.05-DIZ0004%DIZ.105.03 | 2440 - Vindu-, dør-, foldeveggsyst | 101 | 05 | 0004 | DIZ - Dører innvendig | 105 | 03 | |
| | M_Single-Flush: 0915 x 2134mm | ++1234=2440.101.06-DIZ0005%DIZ.105.04 | 2440 - Vindu-, dør-, foldeveggsyst | 101 | 06 | 0005 | DIZ - Dører innvendig | 105 | 04 | |
| | M_Single-Flush: 0915 x 2134mm | ++1234=2440.101.07-DIZ0006%DIZ.105.05 | 2440 - Vindu-, dør-, foldeveggsyst | 101 | 07 | 0006 | DIZ - Dører innvendig | 105 | 05 | |
| | M_Single-Flush: 0915 x 2134mm | ++1234=2440.101.08-DIZ0007%DIZ.105.06 | 2440 - Vindu-, dør-, foldeveggsyst | 101 | 08 | 0007 | DIZ - Dører innvendig | 105 | 06 | |
| | M. Single-Flush: 0915 x 2134mm | ++1234=2440.101.09-DIZ0008%DIZ.105.07 | 2440 - Vindu- dør- foldevenasyst | 101 | 09 | 0008 | DIZ - Dører innvendig | 105 | 07 | ~ |
| | Setting: 🗋 🕻 <global></global> | | | | | | | leset auto-numbers (If any) | Close | |

Settings can be applied for each category and default is <Global>. Among other things they store parameters and numbering.

If you use auto numbering you can reset the numbering by checking this before update.

- EXCLUDING ELEMENTS

- PHASE AND DEPENDENTS

Rightclick an element to exclude it by type or instance.On next update it will not be included.

| [×] TFM | | | |
|--------------------------|--------------------|------------|--------------|
| Stairs | | ~ | \bigcirc |
| Туре | | RefString | |
| Assembled Stair: 15 | Phases | ▶ 3/-25 | 810-101-CTRC |
| Assembled Stan. Is | Include Dependents | • | Yes |
| Non-Monolithic Rui | omm nega iommina | -2010 | No |
| Stringer: Stringer - Pai | nt - 50 mm Width | =2810.101- | CIDUUT/0C |
| Stringer: Stringer - Pai | nt - 50 mm Width | =2810.101- | CTB0008%C |

Another way to exclude elements is by setting any value on parameter DuplicateOwnedBy. For example if you are an Architect you can set "RIB" as value on structural walls.



Rightclick **Type** to choose **Phase**. Default is "All".

Some categories such as Stairs and Curtain Walls have an Include Dependents option. For curtain walls "dependents" would be panels and mullions. To exclude a certain category as member create a dedicated settings for its category. For example if you create a dedicated settings for Mullions they will no longer be processed with curtain systems.

[×] TFM

| Stairs | | ~ | \bigcirc | 🗌 S | elect eleme | ent |
|--------------------------------------|--------------------|-------------|------------|----------|-------------|-------|
| Туре | | n (c) : | | | | Acc |
| Assembled Stain 150mm many rise | Phases | | • | All | | |
| Assembled Stair: 150mm max rise | Include Dependents | | s 🕨 | Exi | istina | |
| Non-Monolithic Run: 50 mm Tread | 13 mm K | =2810.101-0 | TBUUUD: | | | |
| | | | | Ne | w Constru | ction |
| Stringer: Stringer - Paint - 50 mm V | Nidth | =2810.101-0 | CTB00075 | %CTB.104 | | 2870 |
| | | | | | | 1 |



- LOCATION CODES

Rightclick **RefString** to set the projectwide location code.



You can also set the location code on each element. Although if you need this you should preferably use some kind of zone tool to do it.



- CLASSIFICATIONS AND SOURCE PARAMETERS

Rightclick **any** header to choose a parameter where you either have a predefined value, or where you want to store changes.

If a parameter has a valid value, the field will have a grey background. If it doesnt we will most likely suggest a value.



NOTE!

If you are changing source parameters on the **<Global>** setting all categories without a dedicated settings will change.

Sometimes we will fail to suggest a system classification. Or we might suggest something you disagree with. There are multiple ways of influencing or changing values.

For example when we analyze Walls we look at the Function and Structural parameters as well as the name. Any changes you make to those reflects the classification you get.

You can also use **Rulesets** to define the outcome of classifications.



Or you can simply change it manually as shown here.

| Assembly Code | | [Auto]SysNo1 | [Auto]SysNo2 [Auto] | | [Auto]CompOccNo | | Keynote |
|---------------------------------------|----------------------|----------------|---------------------|---------------|-----------------|------|---------------------------------|
| 2570 - System | er for systemhimling | 102 | 01 | 0001 | 0001 | | EHB - Systemhimlinger |
| 2570 - Systemer for systembimling 102 | | 102 | 02 | 0002 | 0002 | | EHB - Systemhimlinger |
| 2570 - System | 2 Bygning | • | 21 Grunn og f | undamenter | • | 2100 | Grunn og fundamenter |
| | 3 VVS | • | 22 Bærende k | onstruksjoner | + | 2120 | Byggegropsystemer |
| 2570 - System | 4 Elkraft | • | 23 Ytterveggs | ystemer | | 2130 | Grunnforsterkningssystemer |
| 2560 - System | 5 EKOM | • | 24 Innerveggs | vstemer | • | 2140 | Støttekonstruksjonssystemer |
| 2560 - System | 6 Andre | • | 25 Dekkesyste | mer | | 2150 | Pelefundamenteringssystemer |
| 2570 - System | 7 Utendørs | • | 26 Yttertaksys | temer | * | 2160 | Direkte fundamenteringssystemer |
| 2570 - System | Remove source v | /alue (If any) | 27 Andre | | • | 2170 | Dreneringssystemer |
| | | | 28 Trapper, ba | lkonger | | | 1 |

The same applies to component codes:

| | М | ode: Advance | d | \sim | FRONT RISP |
|---------------------|--------------------------------------|--------------|-----------|--------|--------------------------|
| Keynote | [Auto]0 | CompTypeNo1 | [Auto]Co | n ^ | S |
| EHB - Systemhimling | er 103 | | 01 | | |
| EHB - Systemhimli | 102 | | 0.2 | | |
| EHB - Systemhiml | A Bærende, romdanr B Innebyggende | nende | | | |
| EHB - Systemhiml | C Kompletterende, u | tspringende | | - I | |
| EHA - Tette himlin | D Åpnende | | | - F | |
| EHA - Tette himlin | E Bekledende | | | • | EB Overflatebekledning |
| EHB - Systemhiml | F Innredende, fastmo | ontert | | • | EC Overflatebehandlinger |
| EHB - Systemhiml | G Møblerende, uts | EHA Tette h | imlinger | | EH Himlinger 🕨 |
| | H Hjelpende (mob | EHB System | himlinger | - I | |
| | I Produserende | EHC Åpne h | imlinaer | - 1 | |

But if everything looks ok you don't have to do anything.

- NUMBERING

Numbering fields can be set to **None**, **Auto** or a specific parameter if you already have numbering. (Such as circuit numbers)

Rightclick any header to change its source parameter.

| Keynote | [A | [Auto]CompTypeNo1 | | Auto]CompTypeNo2 | | |
|-----------------------|----|-------------------|---|-------------------------|--|--|
| EHB - Systemhimlinger | 10 | Apply to source | | | | |
| EHB - Systemhimlinger | 10 | <none></none> | | | | |
| EHB - Systemhimlinger | 10 | <auto></auto> | • | RefCompTypeNo1 settings | | |
| EHB - Systemhimlinger | 10 | B | | | | |
| EHA - Tette himlinger | 10 | С | + | | | |

Auto numbering has different settings. The below settings says *"start numbering on 1, use a 001 format and give each type its own number"*.

IMPORTANT: The actual change happens on **Update** <u>IF</u> you have check the Reset Auto-numbering checkbox.

 You have check the Reset Auto-humbering checkbo.

 [X] Group numbering by

| Default grouping: | RefCompTypeNo1 | | |
|--|----------------|----------------|---|
| Start on | Padding 3 | ltemize groups | |
| Value groups: | | | |
| Manufacturer Mark Model RefCompClass RefCompOccNo RefCompTypeN RefCompTypeN RefCompTypeN RefCompTypeN RefPriSysClass RefPriSysNo1 RefPriSysNo2 RefPriSysNo2 RefPriSysOcc RefSting V Type | o1 o2 | ^ | |
| Type Comments | | | |
| Type Mark | | ~ | |
| | Save | Cancel |] |



- APPLY TO SOURCE / EDITING

When using Auto-numbering **Apply to Source** will write both the classification code AND the number to the main parameter.

(In this case the Type Mark parameter.) The same will happen if you edit the numbers manually. Samme applies to sub-numbers.

| _ | | | | | |
|---|-----------------------|--------|-----|---------------|-----------|
| | Type Mark | [Auto] | Com | pTypeNo1 | [Auto]Con |
| | EHB - Systemhimlinger | 103 | | Apply to sou | urce |
| | EHB - Systemhimlinger | 103 | | <none></none> | |
| | EHB - Systemhimlinger | 103 | | <auto></auto> | |
| | EHB - Systemhimlinger | 103 | | A | |
| | EHA - Tette himlinger | 102 | | С | |
| | | | | C | · · · · |

IMPORTANT Using Apply to Source is OPTIONAL

| pe Properties | | | > |
|---------------|------------------|---------|-----------|
| Family: | ~ | Load | |
| Type: | 600 x 600mm Grid | ~ | Duplicate |
| | | | Rename |
| Type Paramete | rs | | |
| | Parameter | Value | = |
| Construction | 1 | | ¥ |
| Graphics | | | × |
| Analytical Pr | operties | | × |
| Identity Dat | a | | \$ |
| Type Image | | | |
| Keynote | | | |
| Model | | | |
| Manufacture | r | | |
| Type Comme | ents | | |
| URL | | | |
| Description | | | |
| Assembly De | scription | | |
| Assembly Co | de | | |
| Type Mark | | EHB.103 | |
| Cost | | | |

On the other hand if using a specific parameter (such as Model) for a number field, you are only editing that specific parameter. Values will NOT be combined into Type Mark.

| _ | | | |
|---|-----------------------|-------------------|--------|
| | Type Mark | Model | [Auto] |
| | EHB - Systemhimlinger | 34 <mark>5</mark> | |
| | EHB - Systemhimlinger | 345 | |
| | EHB - Systemhimlinger | 345 | |
| | EHB - Systemhimlinger | 345 | |
| | EHA - Tette himlinger | 102 | |
| | EHA - Tette himlinger | 102 | |

Whatever parameters you use each element will get the required TFM fields as defined in NS3457.

| Properties | | × |
|-----------------|-----------------------------------|-----------|
| Cc | ompound Ceiling 0 x 600mm Grid | • |
| Ceilings (1) | * | Edit Type |
| Export to IFC | By Type | ^ |
| Export to IFC A | s | |
| IFC Predefined | т | |
| IfcGUID | 2gWxmxSBjEKvO_FLoGXgF | Pv |
| RefCompClass | EHB | |
| RefCompOcc | EHB0002 | |
| RefCompOccN | lo 0002 | |
| RefCompType | EHB.345 | |
| RefCompType | No1 345 | |
| RefCompType | No2 02 | |
| RefPriSysClass | 2570 | |
| RefPriSysLoc | 1234 | |
| RefPriSysNo1 | 102 | |
| RefPriSysNo2 | 02 | |
| RefPriSysOcc | 2570.102.02 | |
| RefString | ++1234=2570.102.02-EHB0 | 002%EH |
| TFMExclude | v | |
| TFMOverrideC | 0 | |
| TFMOverrideC | 0 | |
| TFMOverrideS | /5 | |
| E\$ 2↓ X↓ | | Apply |