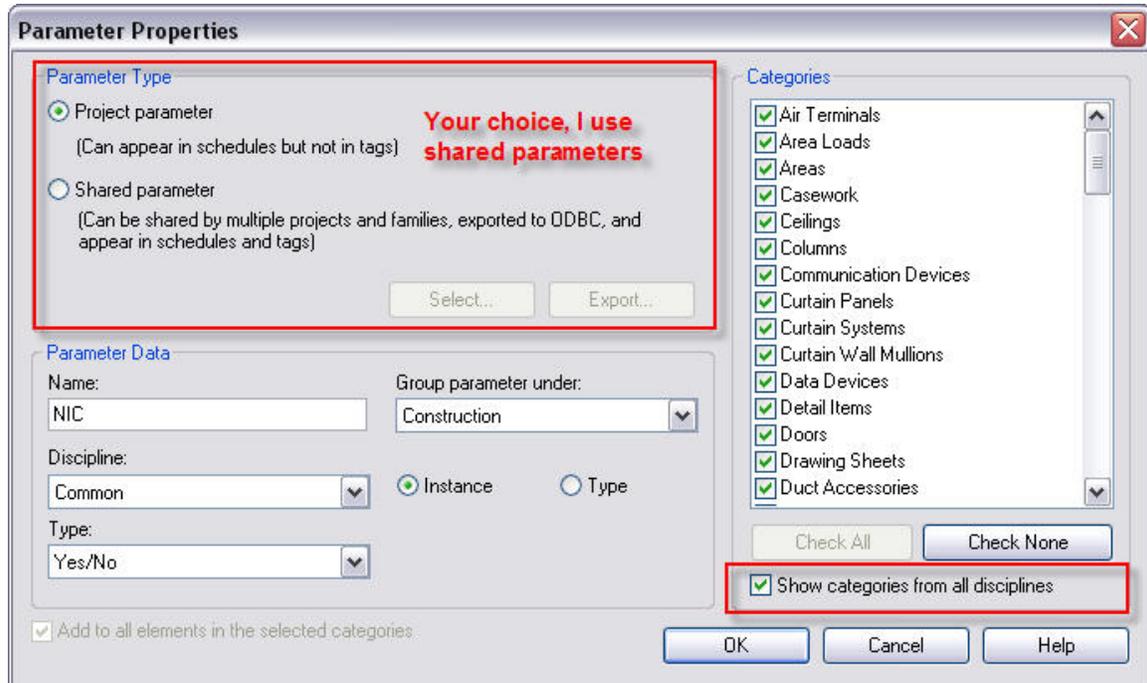# How to define a NIC filter and apply to all elements in the model:

Step 1:
Add a parameter to your project called NIC that is a Yes/No parameter. This can be a simple project parameter or it can be a shared parameter. Both will work, but the shared parameter is more flexible when exporting the model via ODBC as it is included in the export.
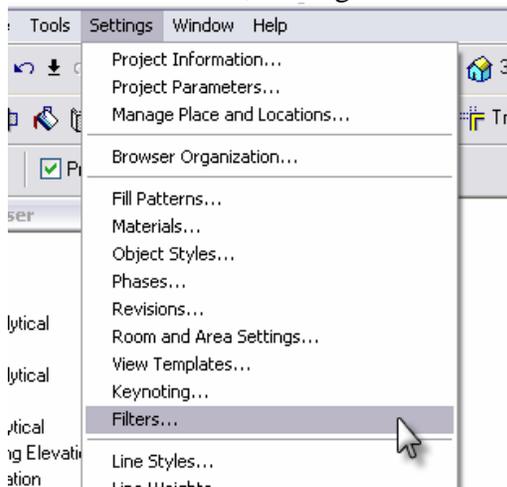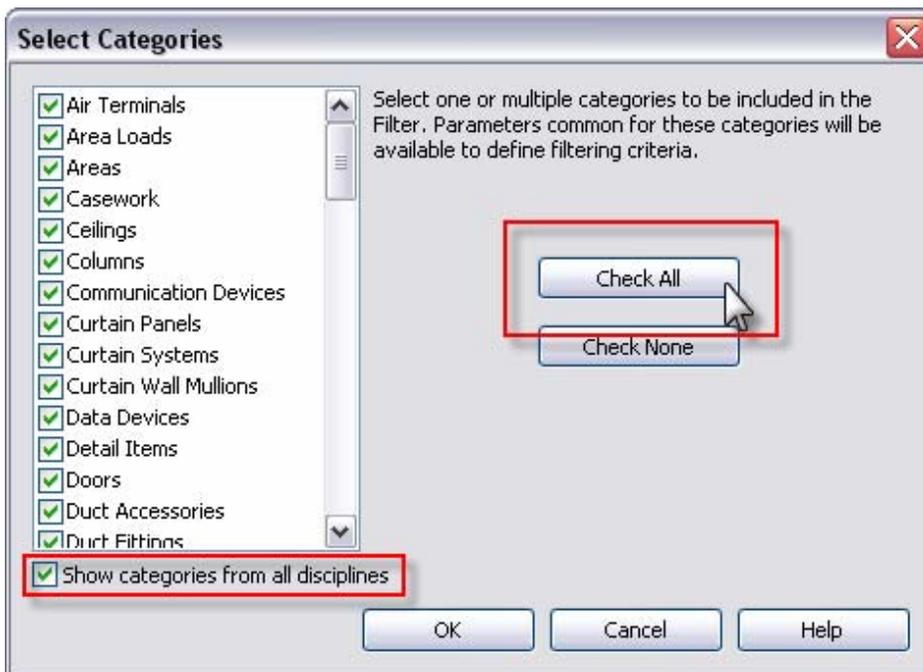

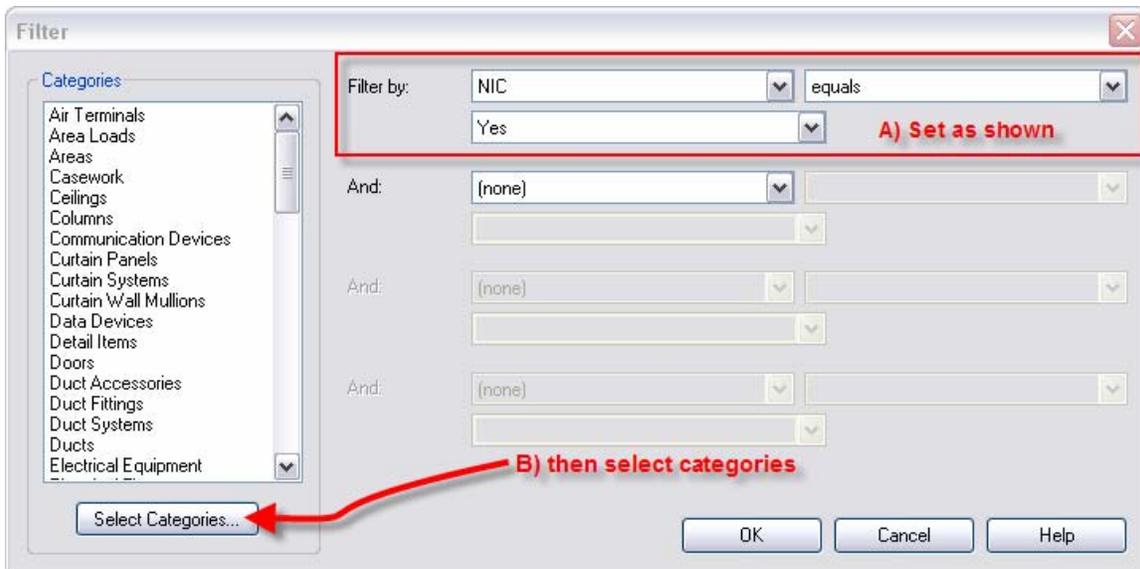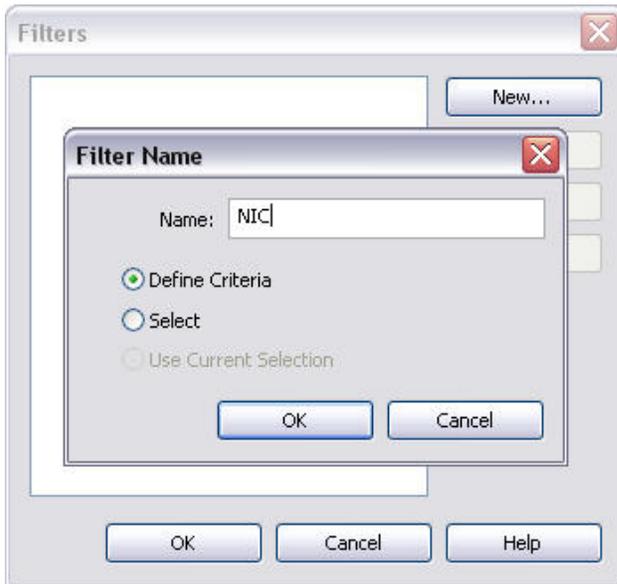Make sure the 'Type' is set to Yes/No, choose what Grouping you desire to place the parameter under and most importantly choose if you want this to be an Instance or Type parameter.

Be sure to apply the newly created NIC parameter to all categories. Be sure to check the 'Show categories from all disciplines' box if you want this to apply to Structural and MEP.
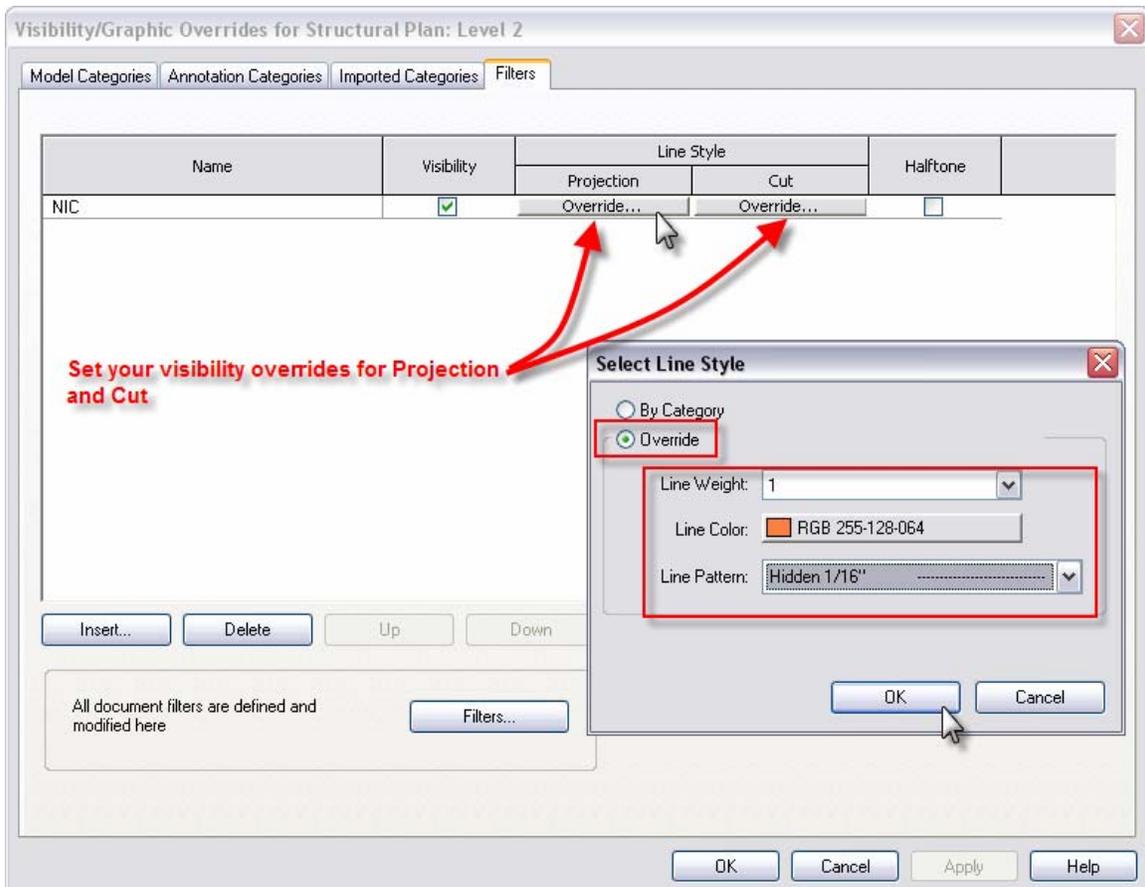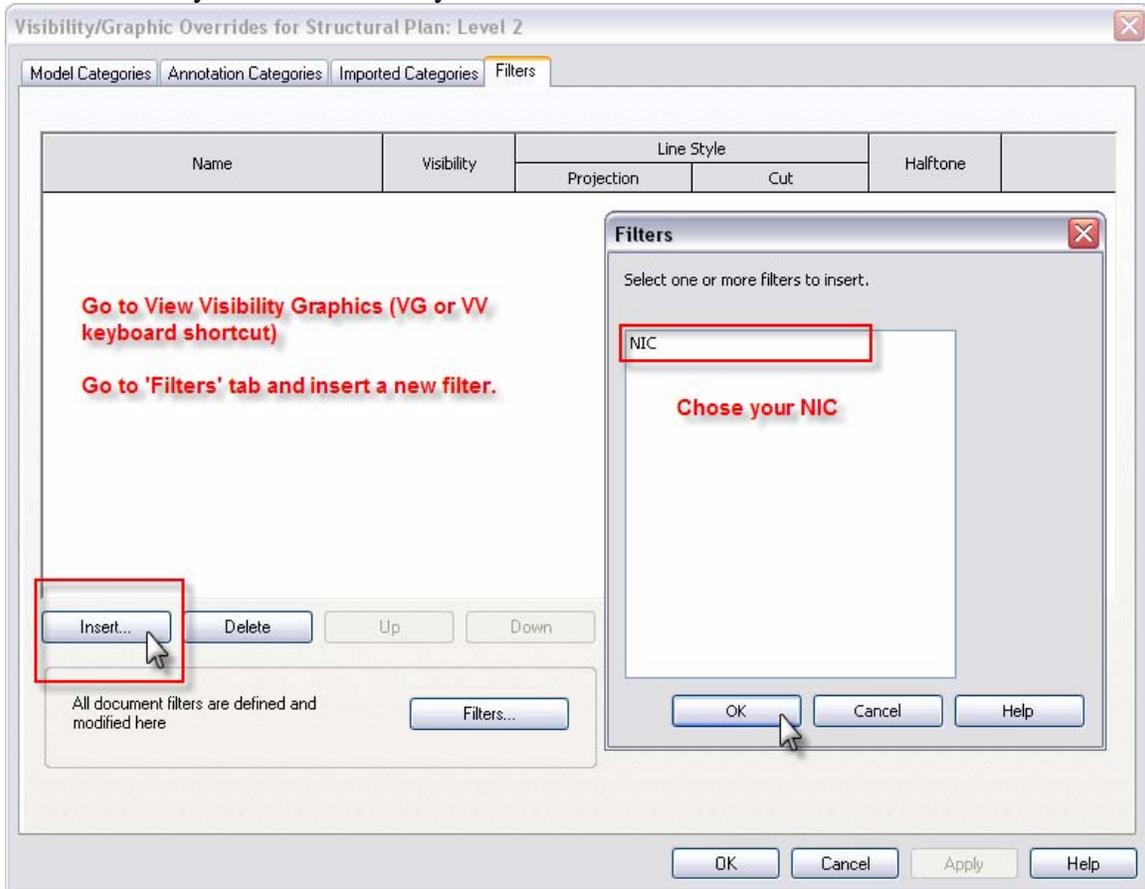
Step 2:
Create a new filter, Setting>Filters>New.

Filters

New...

Filter Name

Name: NIC

○ Define Criteria
○ Select
○ Use Current Selection

OK   Cancel

OK   Cancel   Help

Filter

Categories
Air Terminals
Area Loads
Areas
Casework
Ceilings
Columns
Communication Devices
Curtain Panels
Curtain Systems
Curtain Wall Mullions
Data Devices
Detail Items
Doors
Duct Accessories
Duct Fittings
Duct Systems
Ducts
Electrical Equipment

Filter by: NIC   equals
             Yes   **A) Set as shown**

And: (none)

And: (none)

And: (none)

Select Categories...   **B) then select categories**

OK   Cancel   Help

Select Categories

☑ Air Terminals
☑ Area Loads
☑ Areas
☑ Casework
☑ Ceilings
☑ Columns
☑ Communication Devices
☑ Curtain Panels
☑ Curtain Systems
☑ Curtain Wall Mullions
☑ Data Devices
☑ Detail Items
☑ Doors
☑ Duct Accessories
☑ Duct Fittings

Select one or multiple categories to be included in the Filter. Parameters common for these categories will be available to define filtering criteria.

Check All

Check None

☑ Show categories from all disciplines

OK   Cancel   Help

Step 3:
Add a filter to your view Visibility

Element Properties dialog

Family: Refrigerator

Type: 30" x 32" RH

Type Parameters: Control all elements of this type

Parameter	Value
Text	
Label	REF.
Materials and Finishes	
Material	Metal - Paint Finish - Ivory,Glossy
Dimensions	

Instance Parameters - Control selected or to-be-created instance

Parameter	Value
Constraints	
Level	Level 2
Host	Level : Level 2
Offset	0' 0"
Moves With Nearby Elements	☐
Construction	
NIC	☑
Identity Data	
Comments	
Mark	
Phasing	
Phase Created	New Construction
Phase Demolished	None

Every object now has an NIC check box. Check it on if the object is NIC, otherwise leave blank or with ghosted check.

Object with NIC on

Object with NIC off
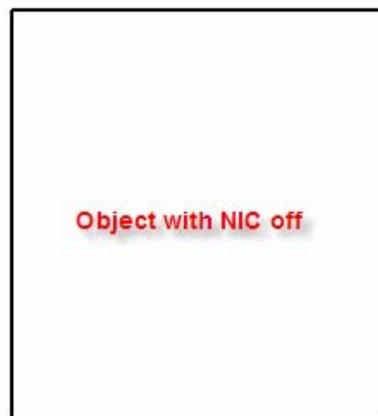
Step 4:
Add your filter to each view you want to show NIC. View Templates are your best bet.