# eVolve 1.5

## View and Sheet Creator

**This is an in depth tutorial on how to use the latest version as well as the typical workflows.**

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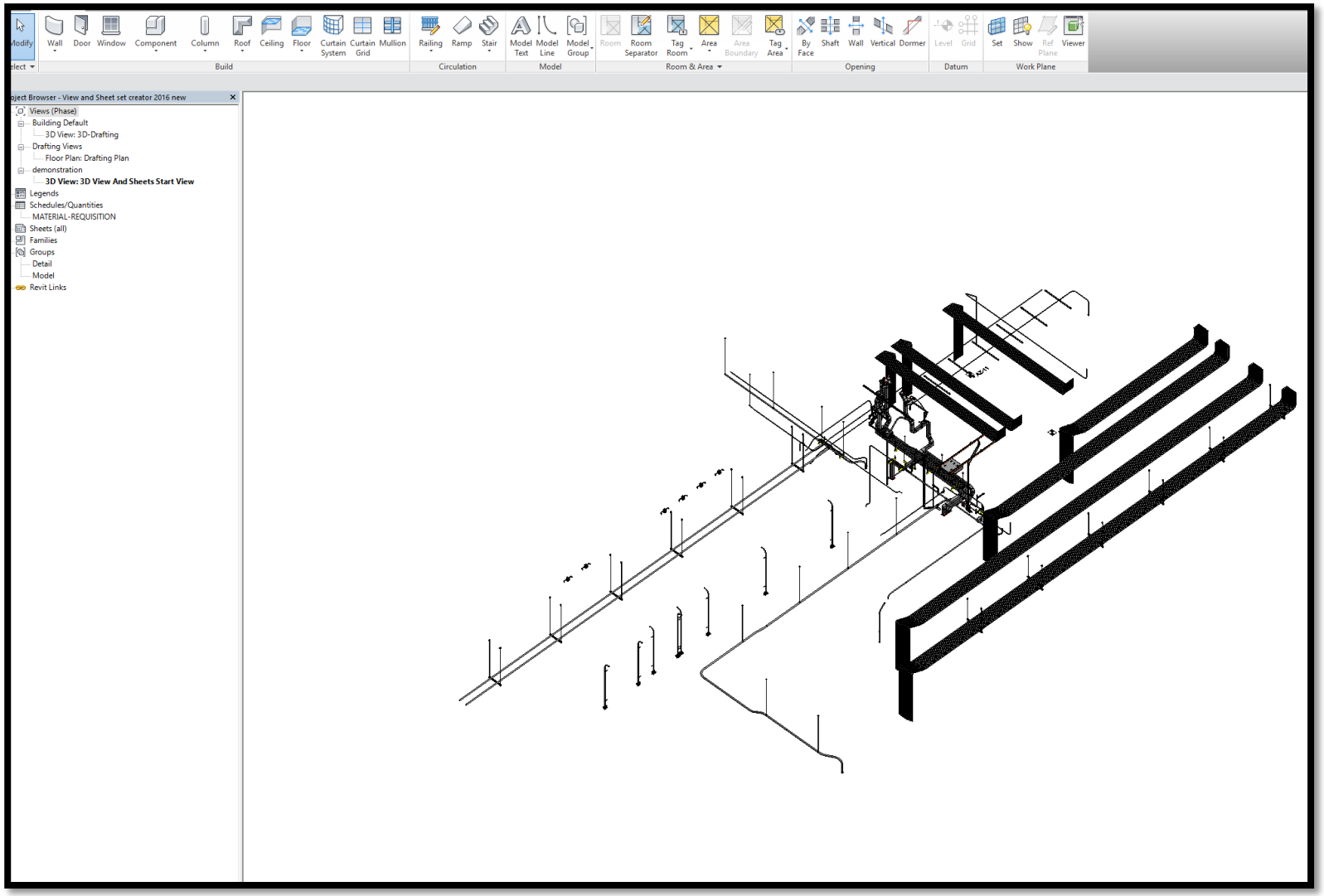
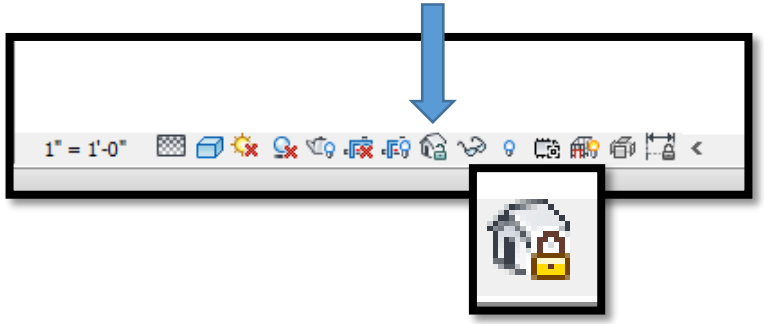
# Setup

Let’s begin with this sample project. We will be creating our sheets based on several scenarios.

Go to a 3D view and lets go through some settings. This view will be used later on to control look and feel and be used as a template.

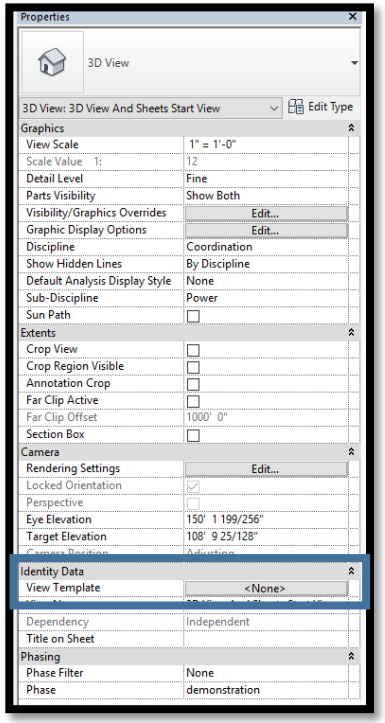


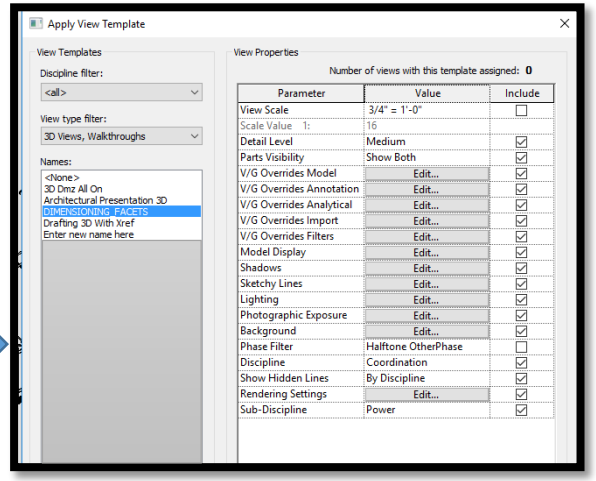
# Setup

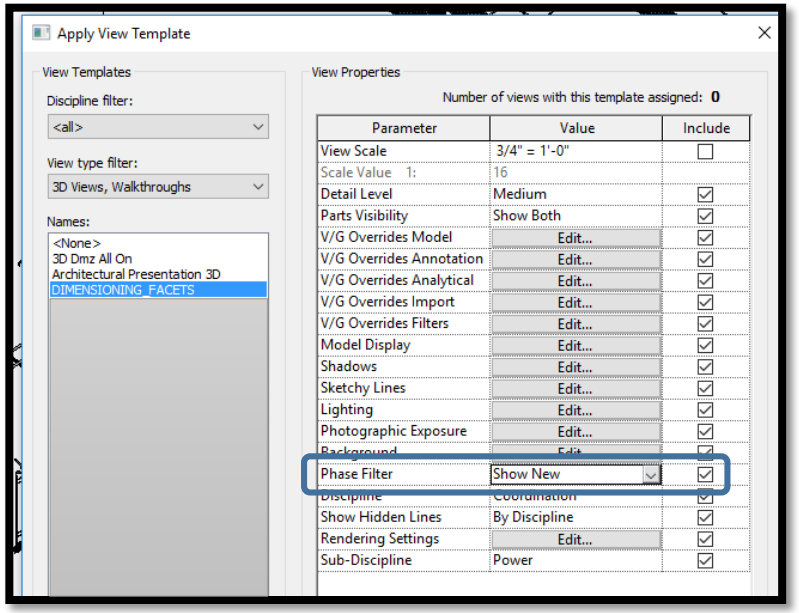



At the bottom of your screen there is a house padlock symbol, select it and lock the view

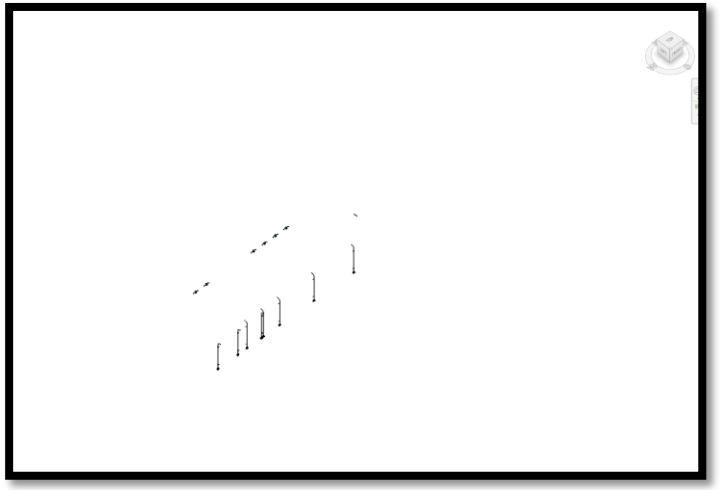
Next go to the 3d Views properties and select a view template. Choose one that will reveal the hidden shapes in your conduit etc. You will be setting this view up as  a sort of template for the 3D Views.



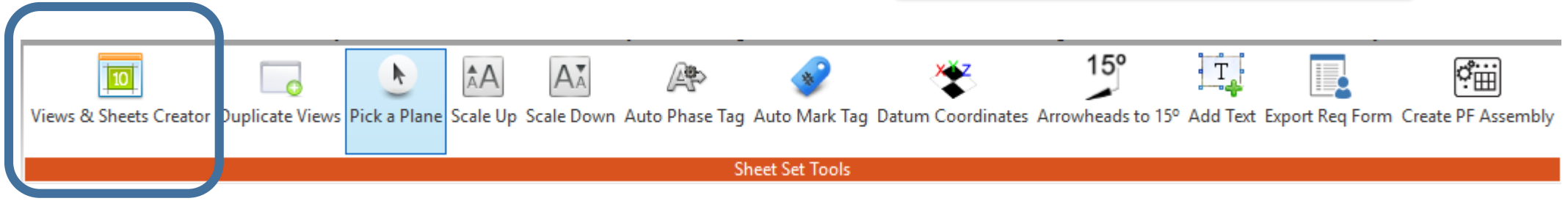






In the Phase Filter portion , select “Show New”. Also Check “Include”. You should notice some items disappear in the view provided you have assigned phases.

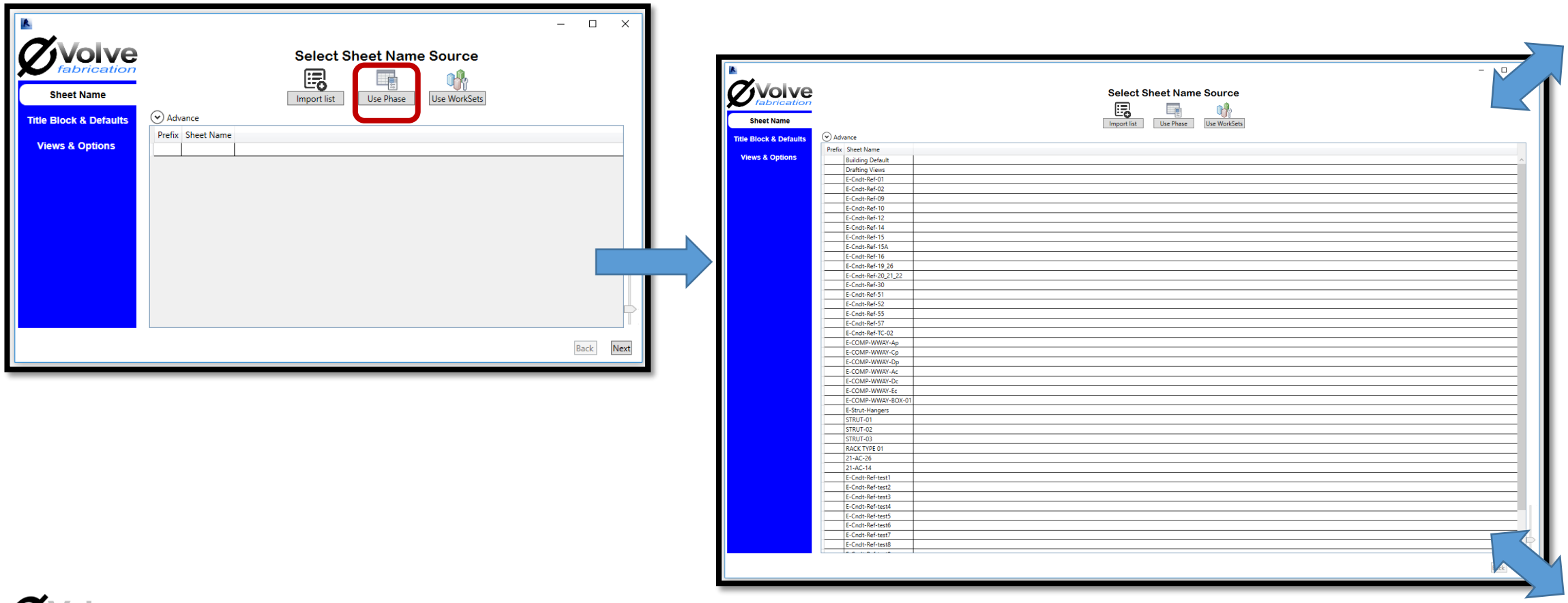


We are ready to start up the View and Sheet creator

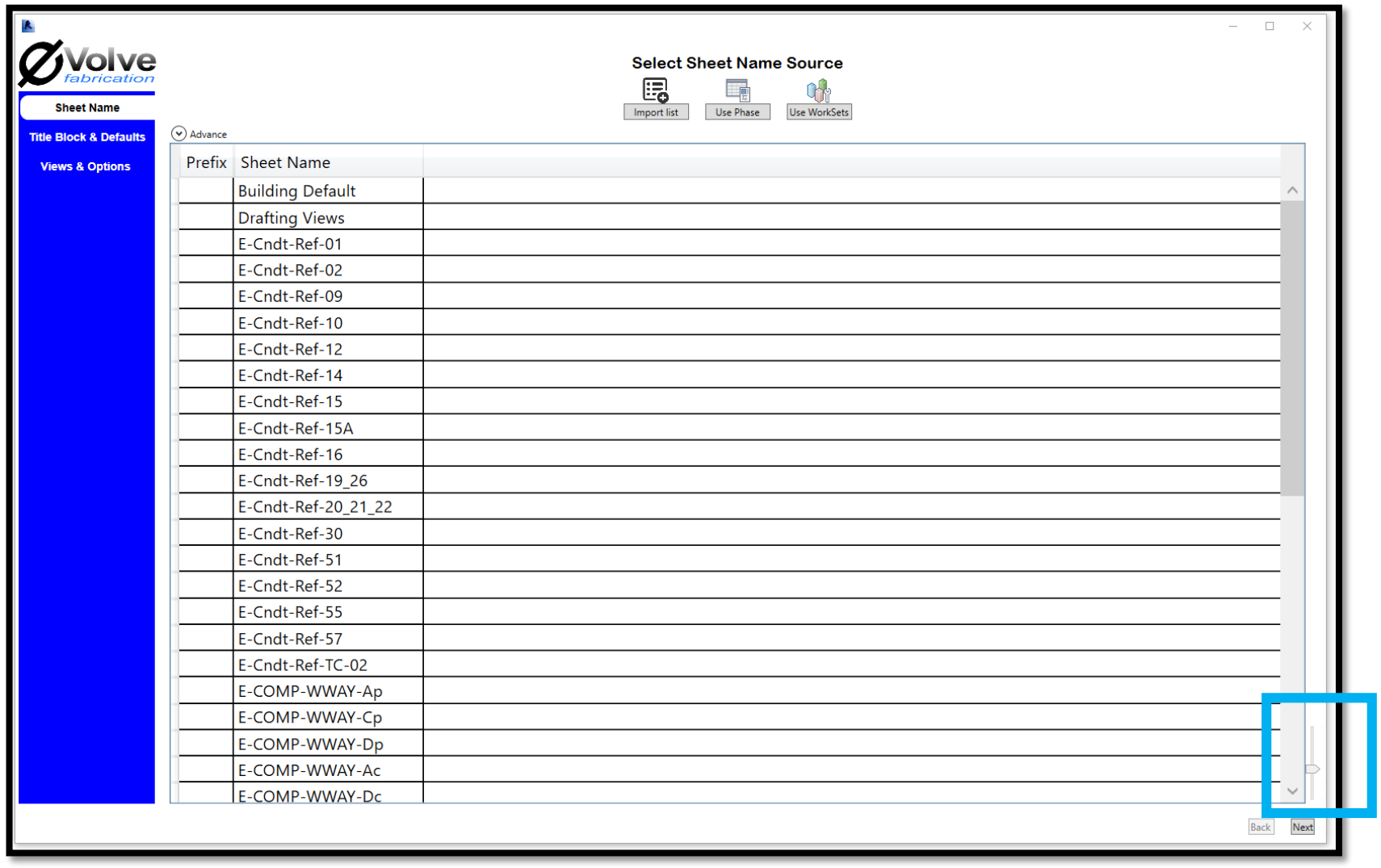


# Sheet Name

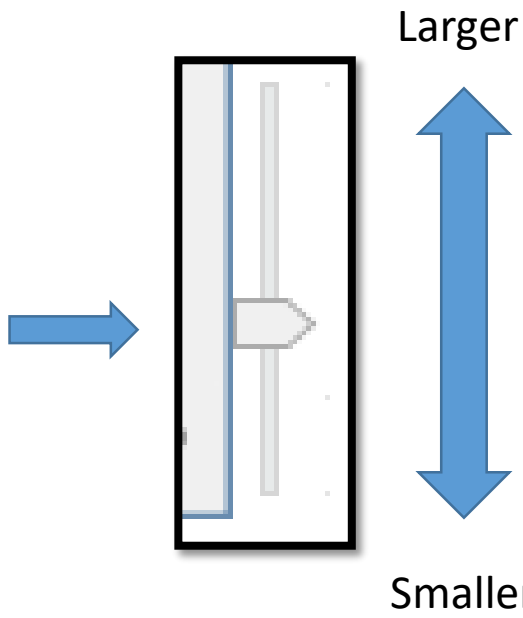
With the latest version, we can still utilize Phases, but there are two new options for developing views and sheets. First we will go over the “Use Phase” version. Select “Use Phase”. You will notice that the Cells portion of the dialog not contains some new fields. You may stretch the extents of the window as well by dragging the corners.



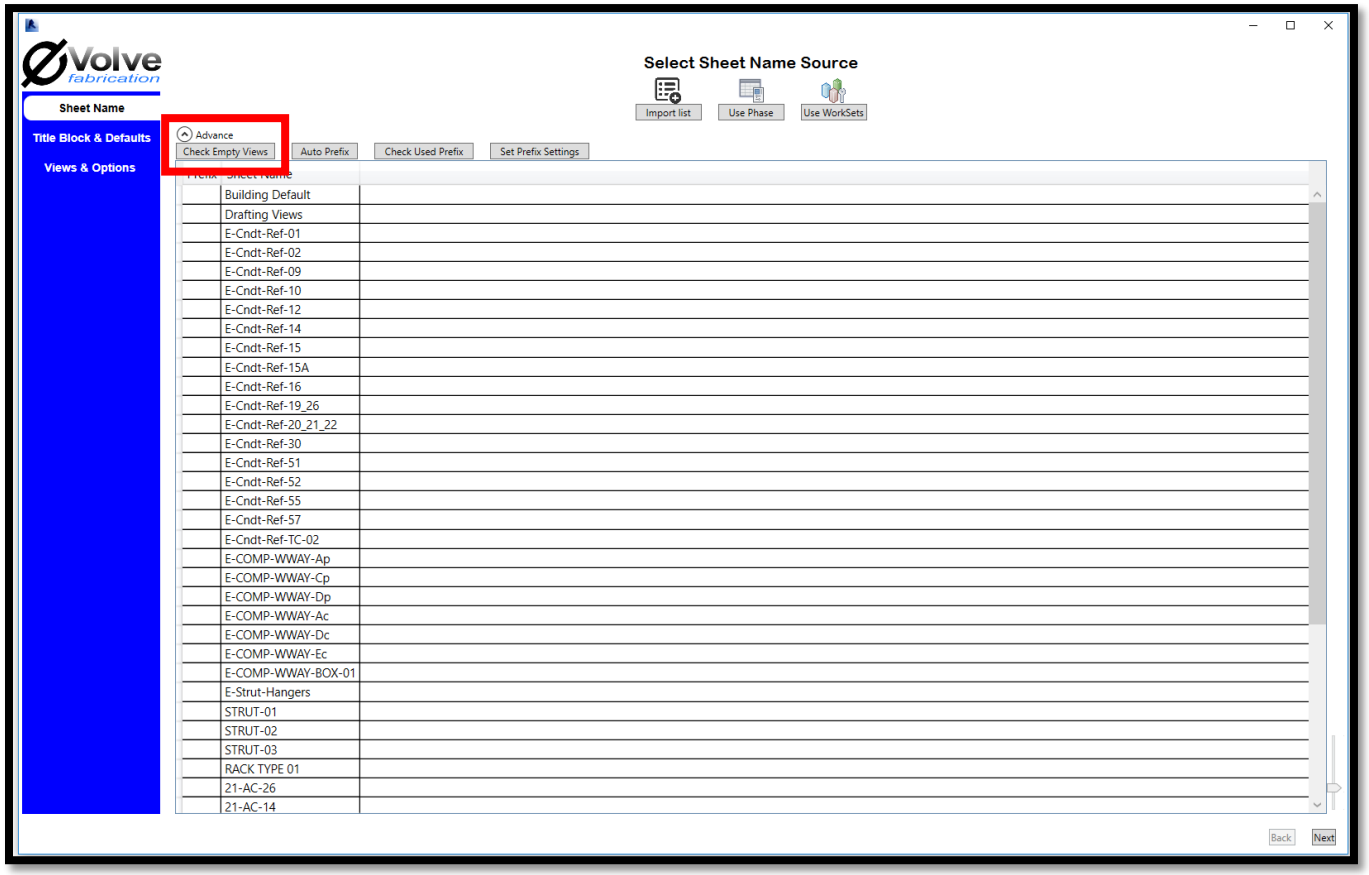
# Sheet Name




You can enlarge the text by using the slider at the bottom right. Slide it up or down to adjust it. You may also use CNTRL and the mouse wheel.

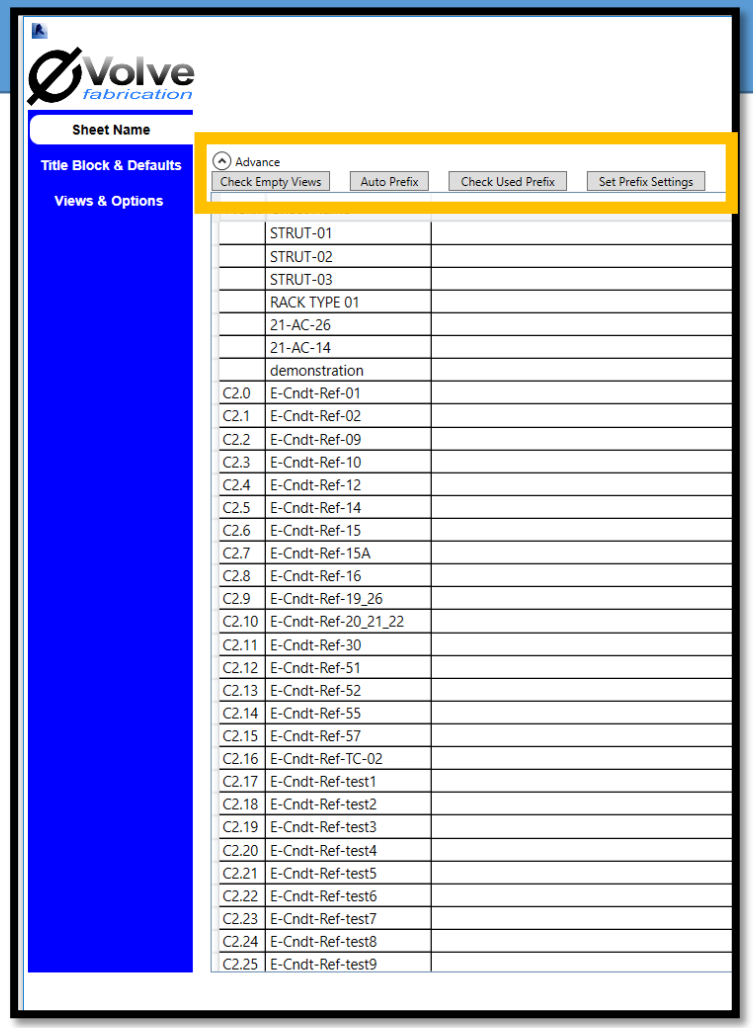


# Sheet Name

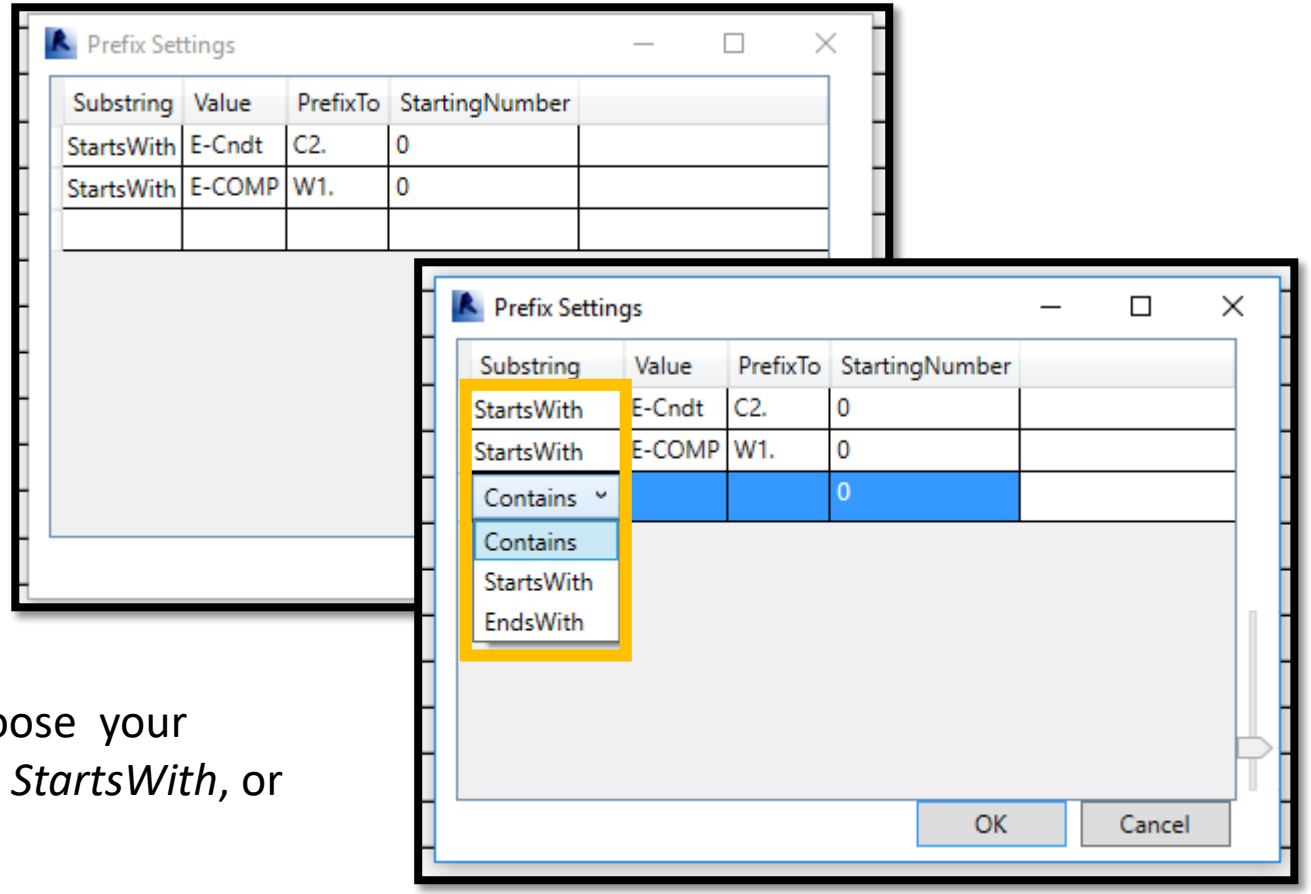



Click Advance to reveal options for the sheets.
Select Check Empty Views. This will highlight views in the set that have zero contents. We will want to delete these from the set. To delete, select then Right Click. Select the option to Delete if needed.

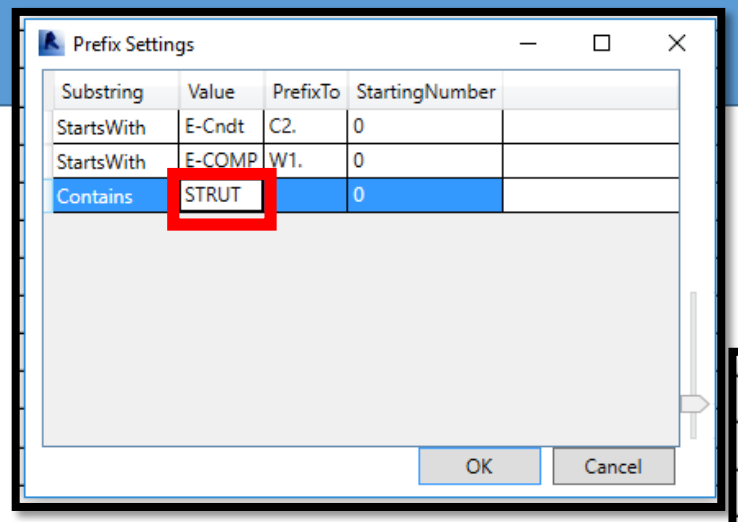
# Sheet Name



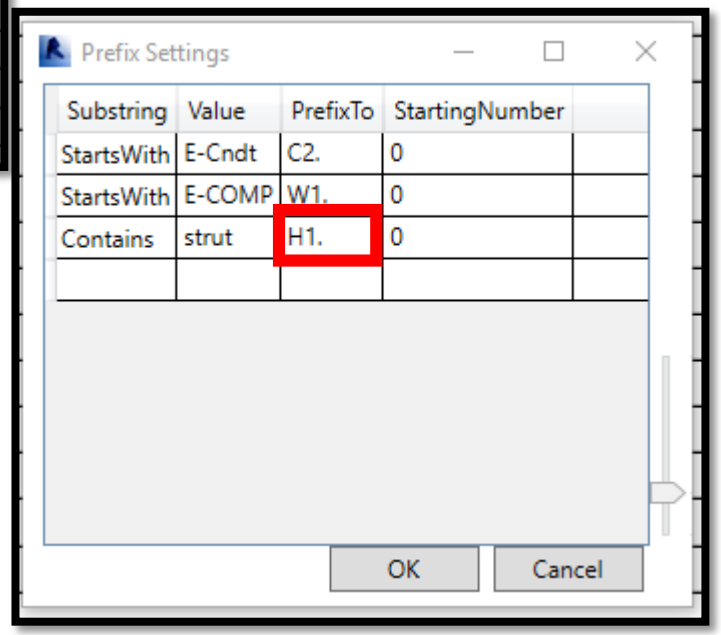

There is an option to assign prefixes automatically but first we need to create the criteria. Select set prefix settings a dialog will open.



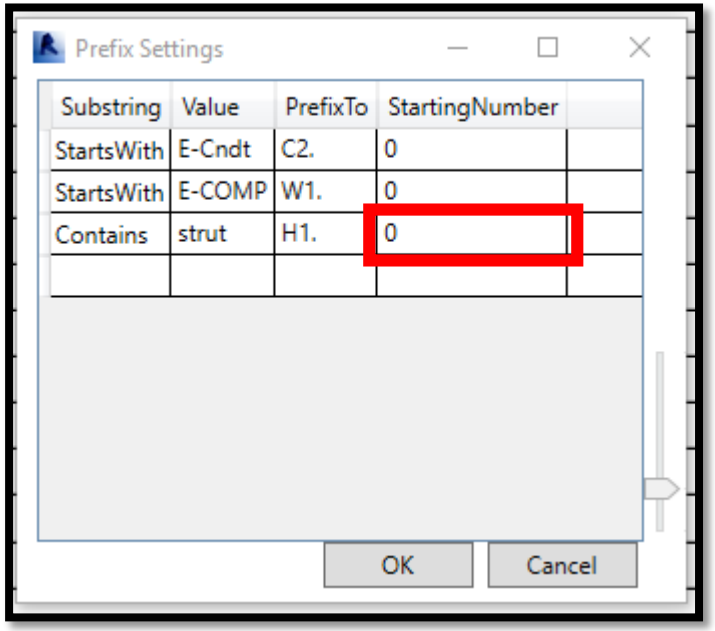

In the Starts With Column  You can choose  your validation conditions. Select  *Contains*, *StartsWith*, or *EndsWith*.




Type a value  in the Value cell in which to validate. The value is **not** required to be case sensitive.

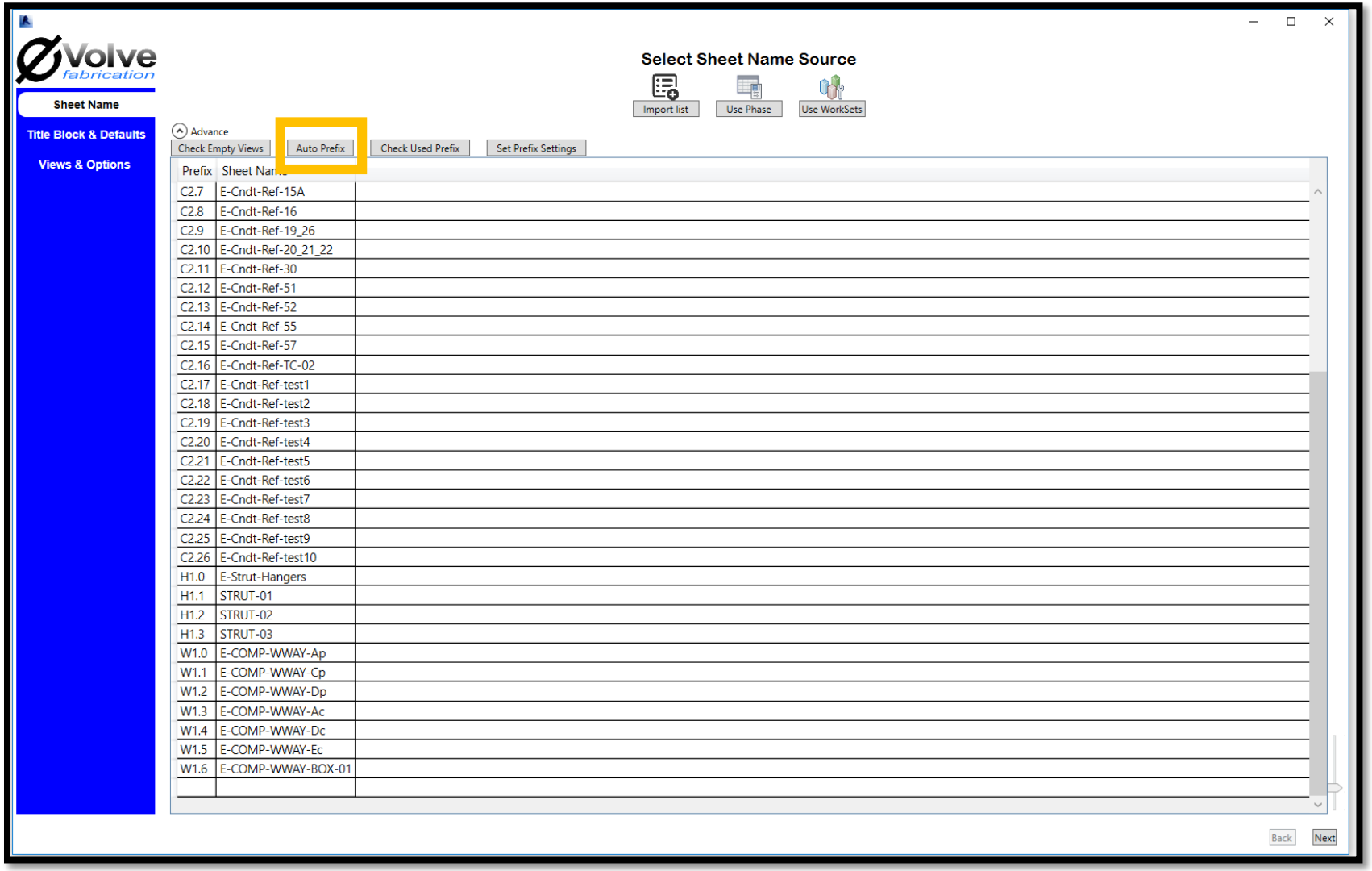


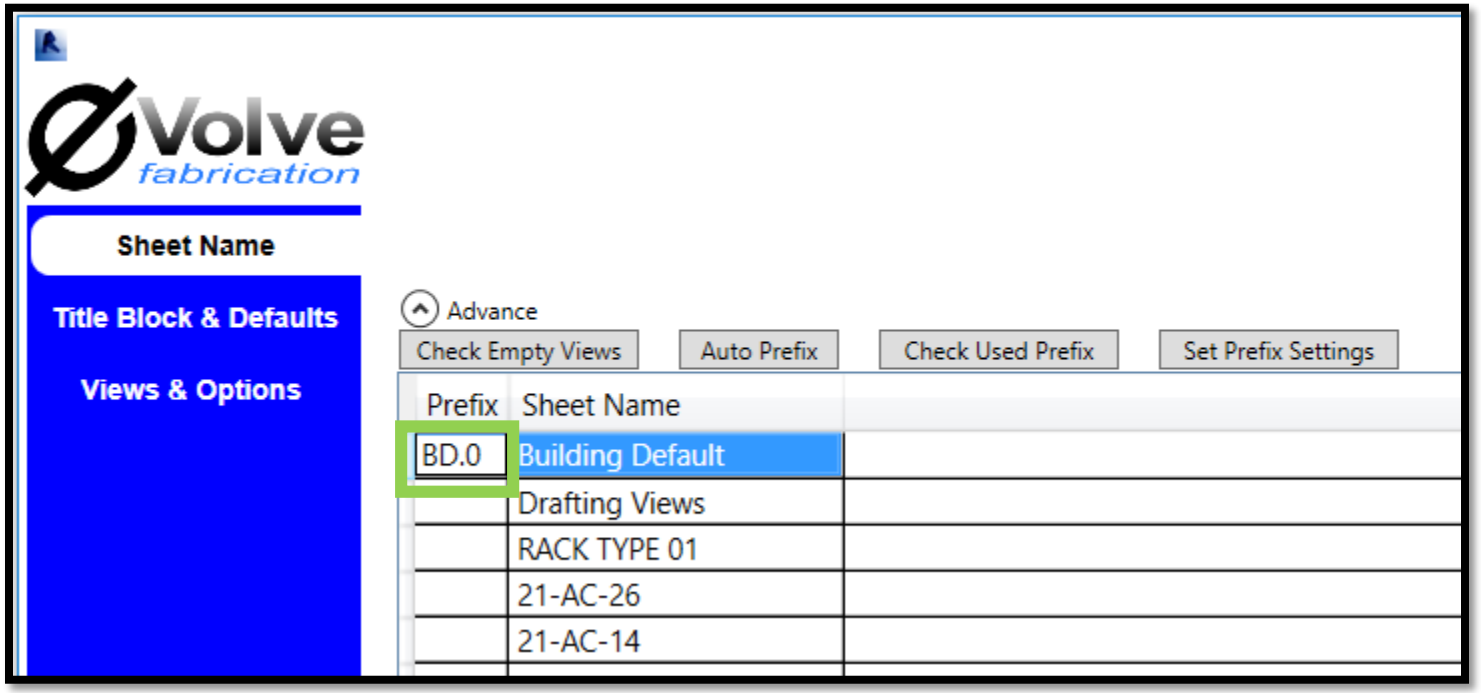

Type the values for Prefix to: This value must contain a Number. We used “H1.”.



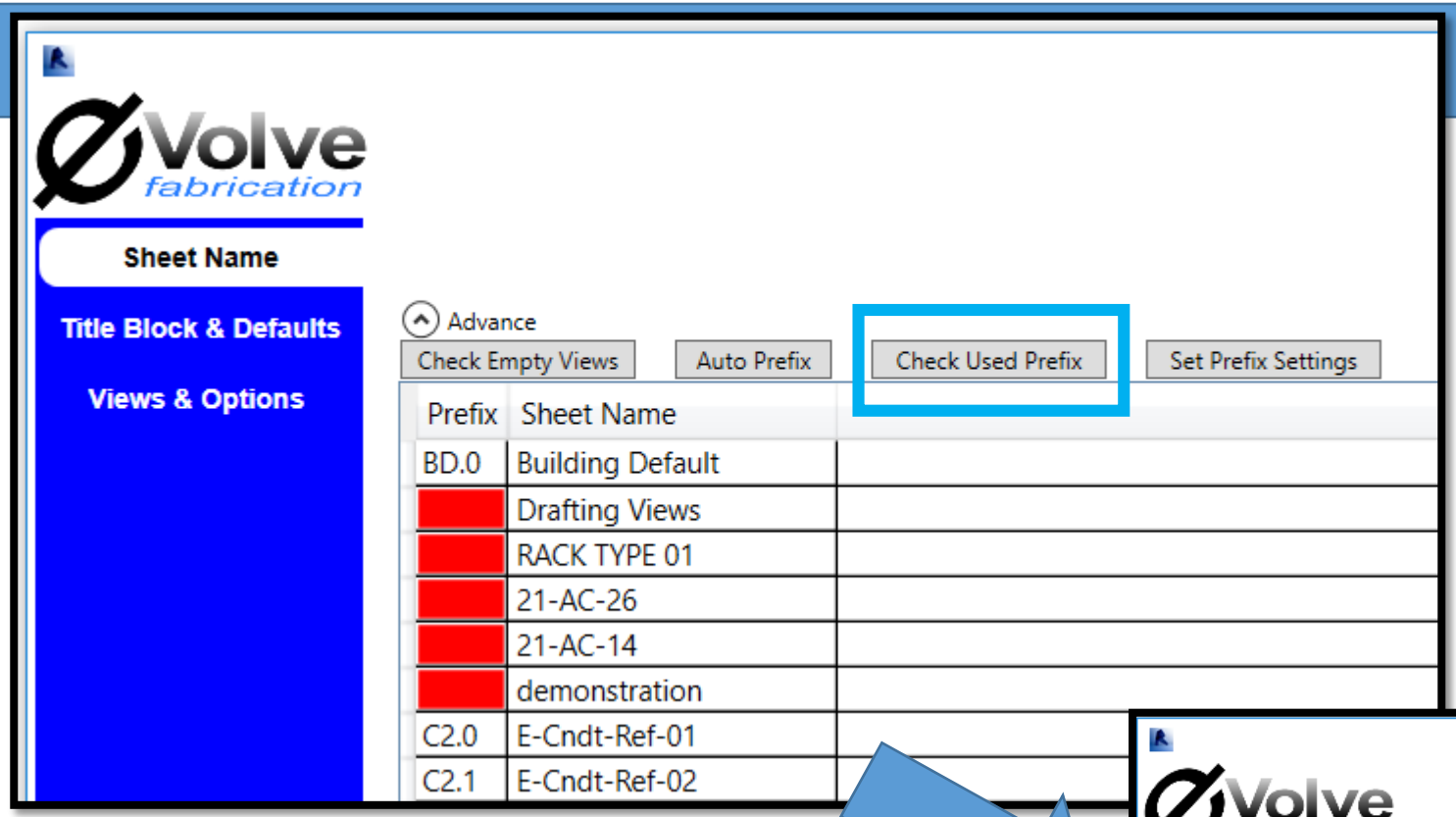

You can choose your starting number in the set. In this example we will stick with 0 . Repeat the steps as needed There is a hierarchy to the order. The last one created or the lowest one in the list takes precedence over the ones further up the list. You can create a new prefix setting anywhere in the list By right clicking further up or down.

To assign the Prefixes select Auto prefix.



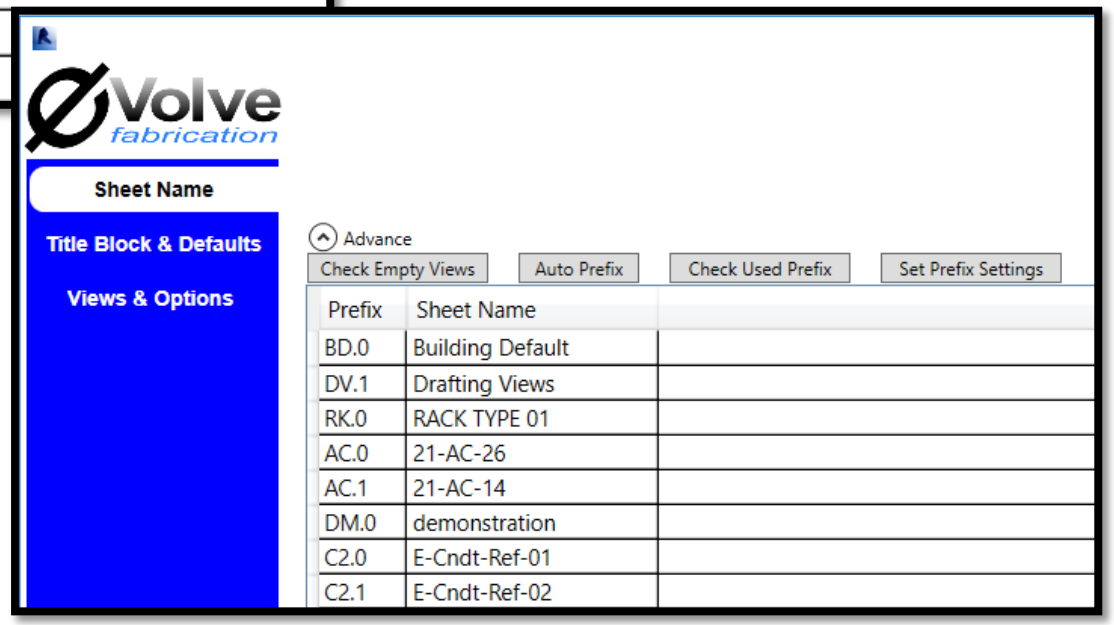



To manually assign a prefix click the cell and type the value. The prefix will require a number .




Check Used Prefix has several items to check for. These will need to be corrected if your cells are highlighted.

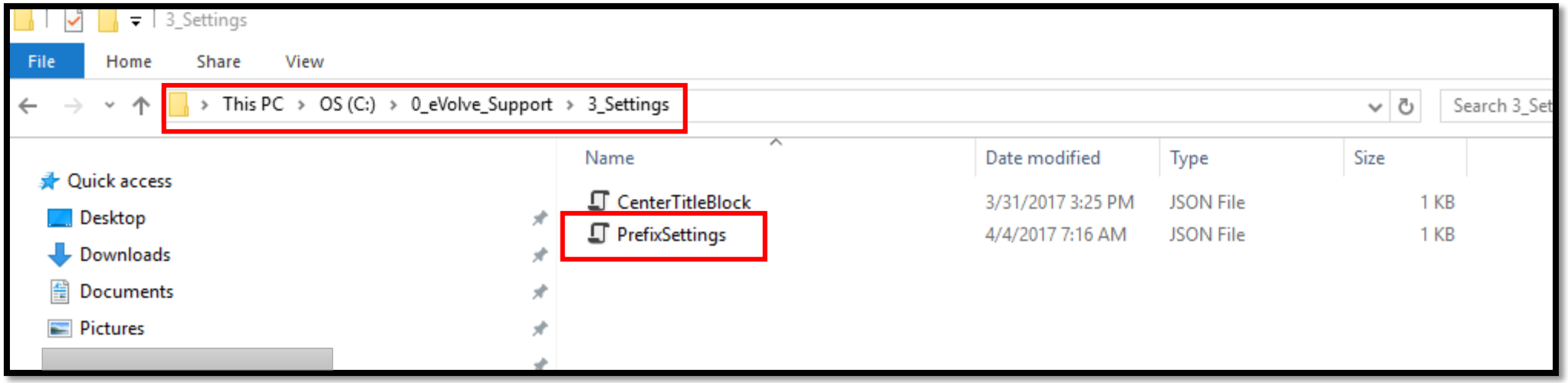
- Prefix needs to be unique
- Has to have a number
- No special characters *&%$#
- Field cannot be left blank
- Field cannot be a duplicate



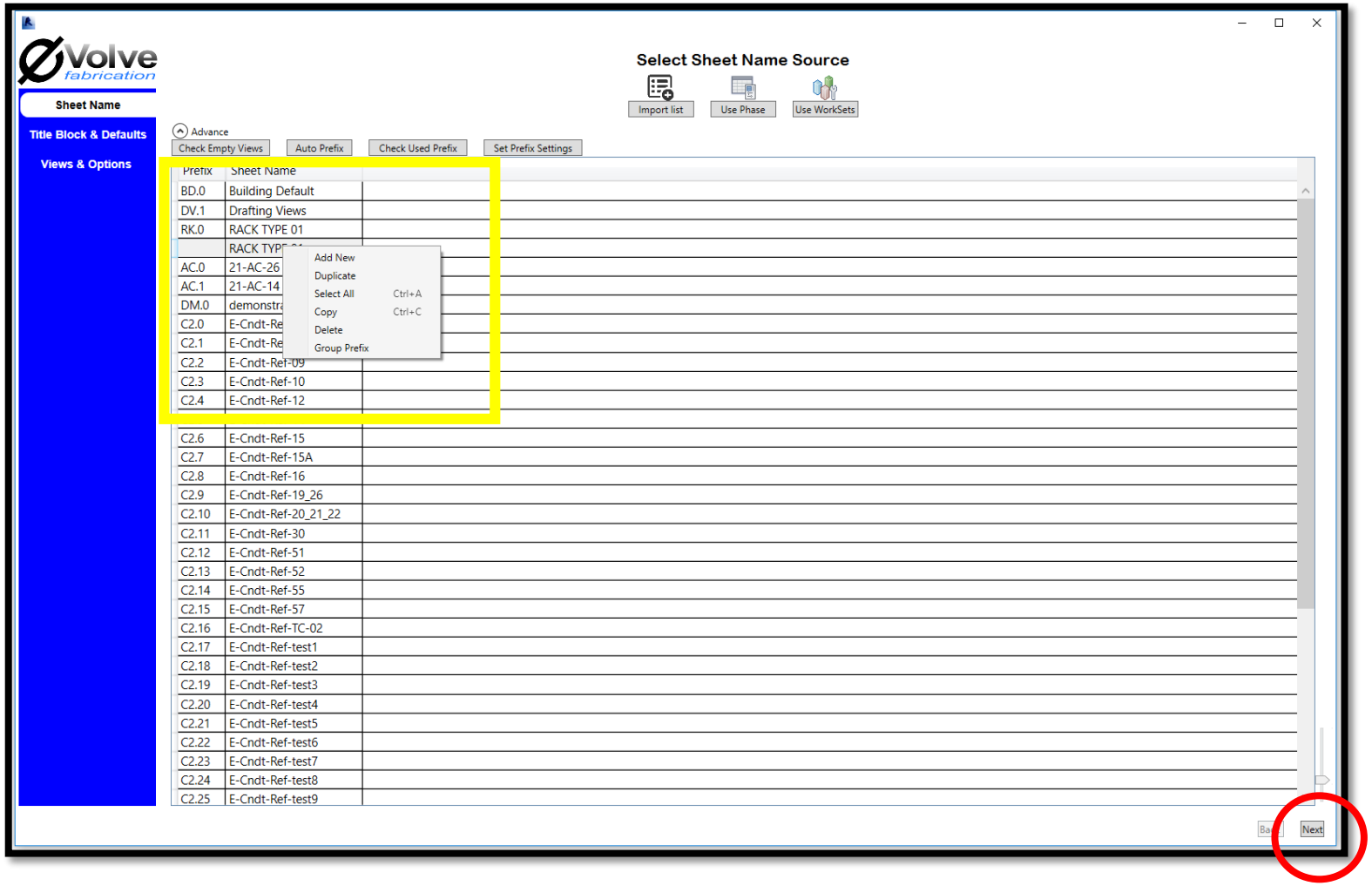

After corrections run Check Used Prefix again. Cells will clear up when corrected.

# Sheet Name

Once setting have been created you can share these setting or set these as the Company Standard by overwriting the file located on the C Drive here. The name must be the exact same. Do not rename the file.



# Sheet Name

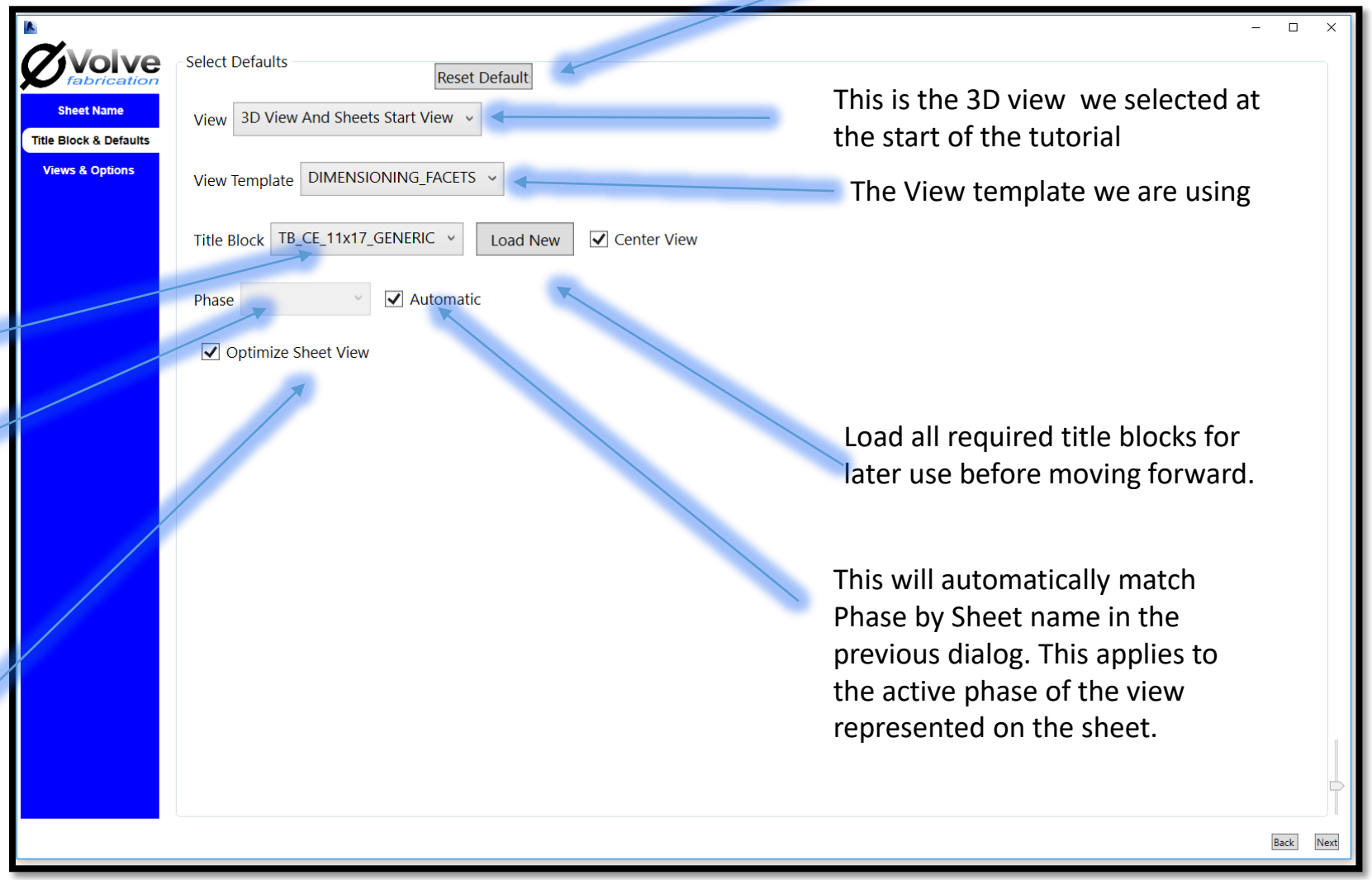



To insert an additional sheet(s) based on one of the phases , right click and select duplicate. You  will be able to assign the view type later. Add the Prefix to the new sheet(s). Be sure it meets the criteria discussed.

When complete click next.

## Most Common Settings

Now let's assign our settings for our **most common** view that we are using as a template for the sheets. Then we can modify as needed later.




This will reset the settings.

This is the 3D view we selected at the start of the tutorial

The View template we are using

The Title Block we are using for this sheet type

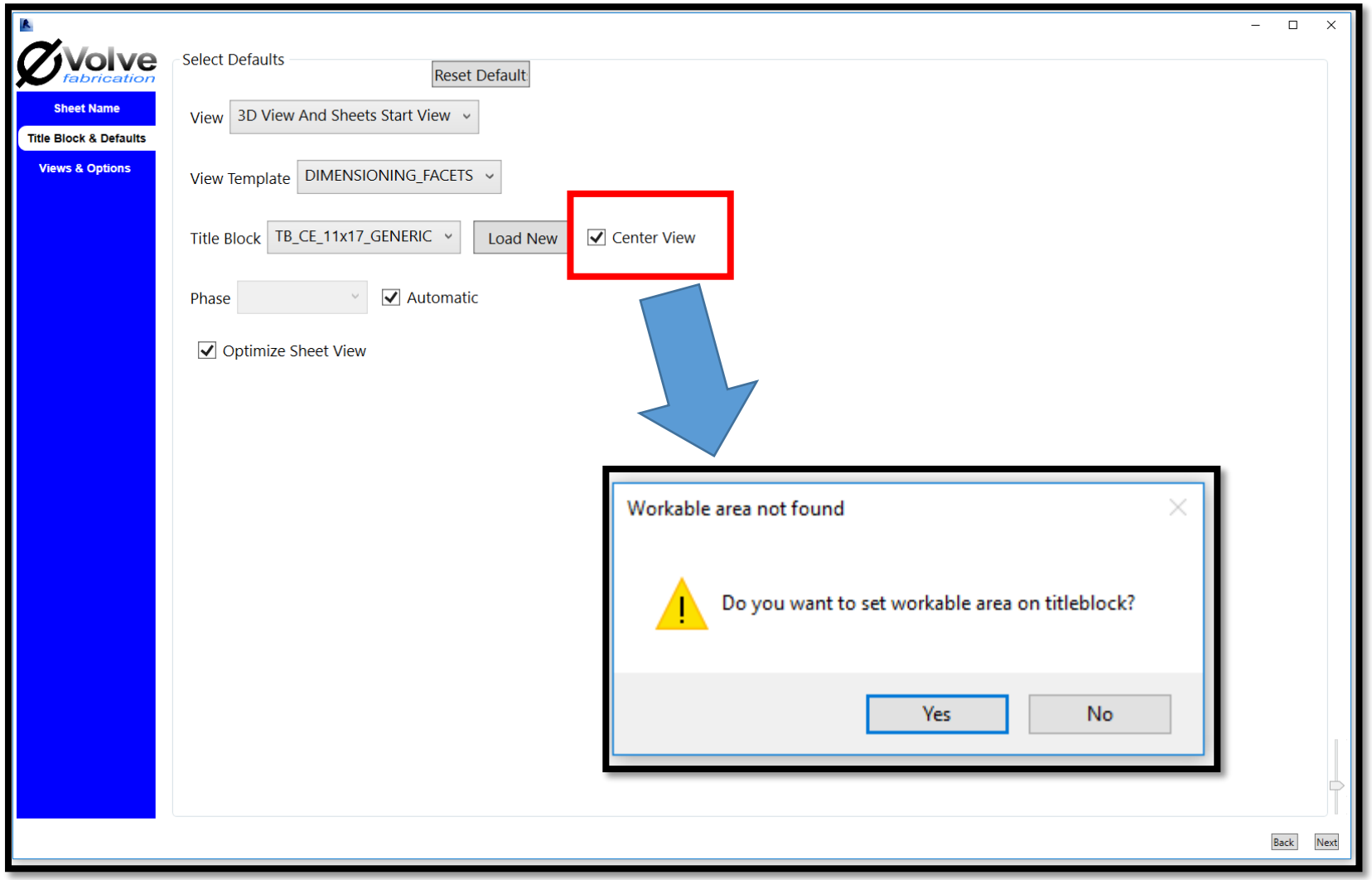
Load all required title blocks for later use before moving forward.

Use when overriding and manually picking a single phase for this sheet type. This applies to the active phase of the view represented on the sheet.

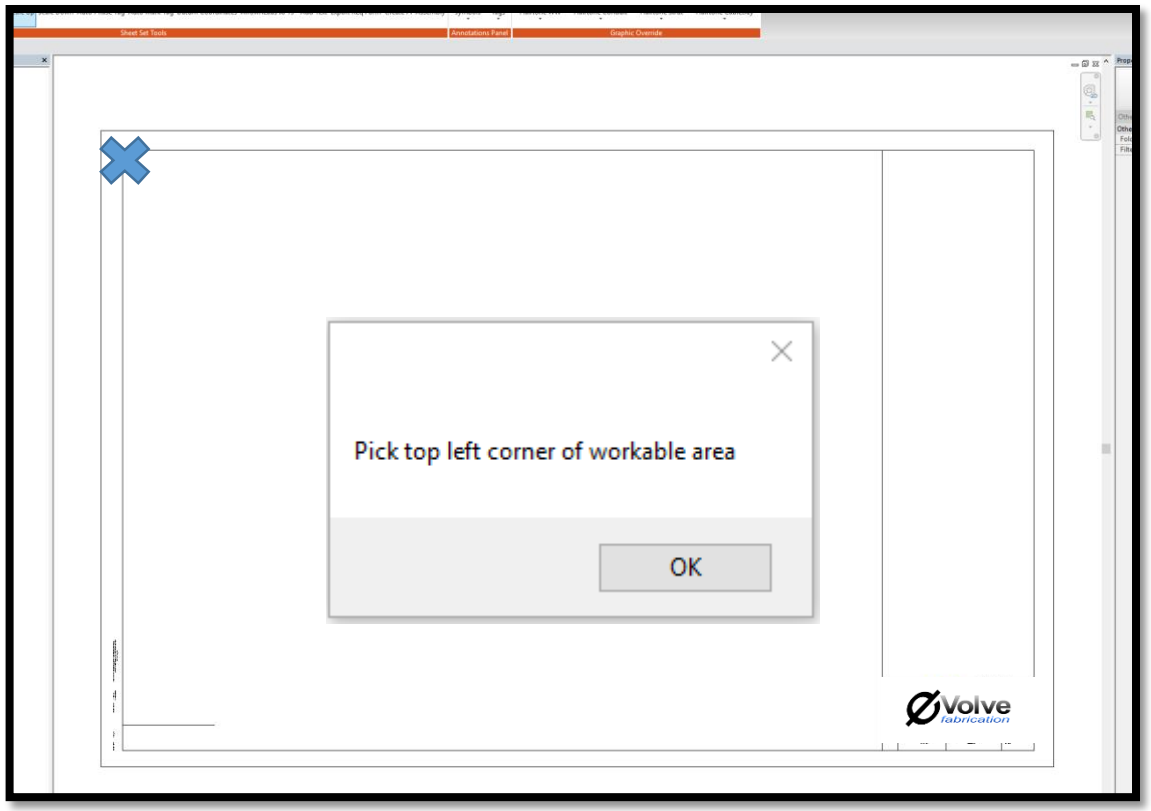
This will automatically match Phase by Sheet name in the previous dialog. This applies to the active phase of the view represented on the sheet.

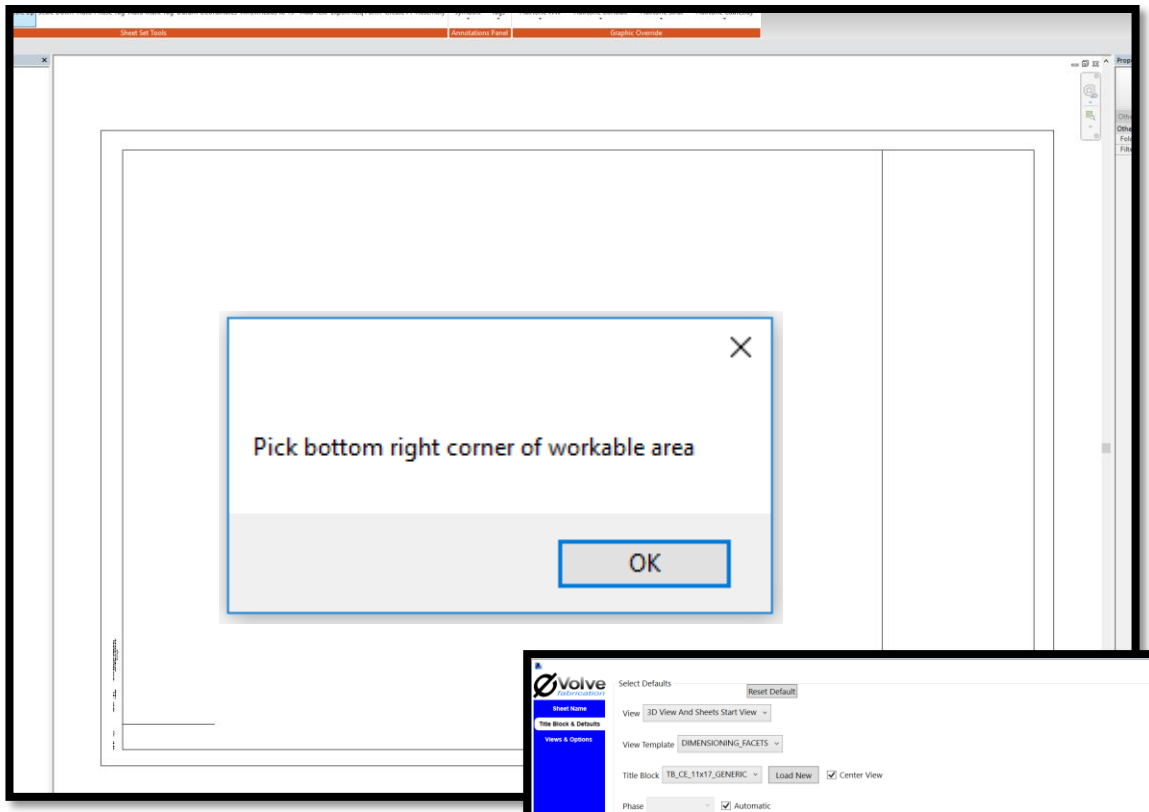
This will shrink the Viewport to the extents of the model elements in the phase.

When setting Center View on a newly loaded title block it will open a new dialog. Continue to next slide



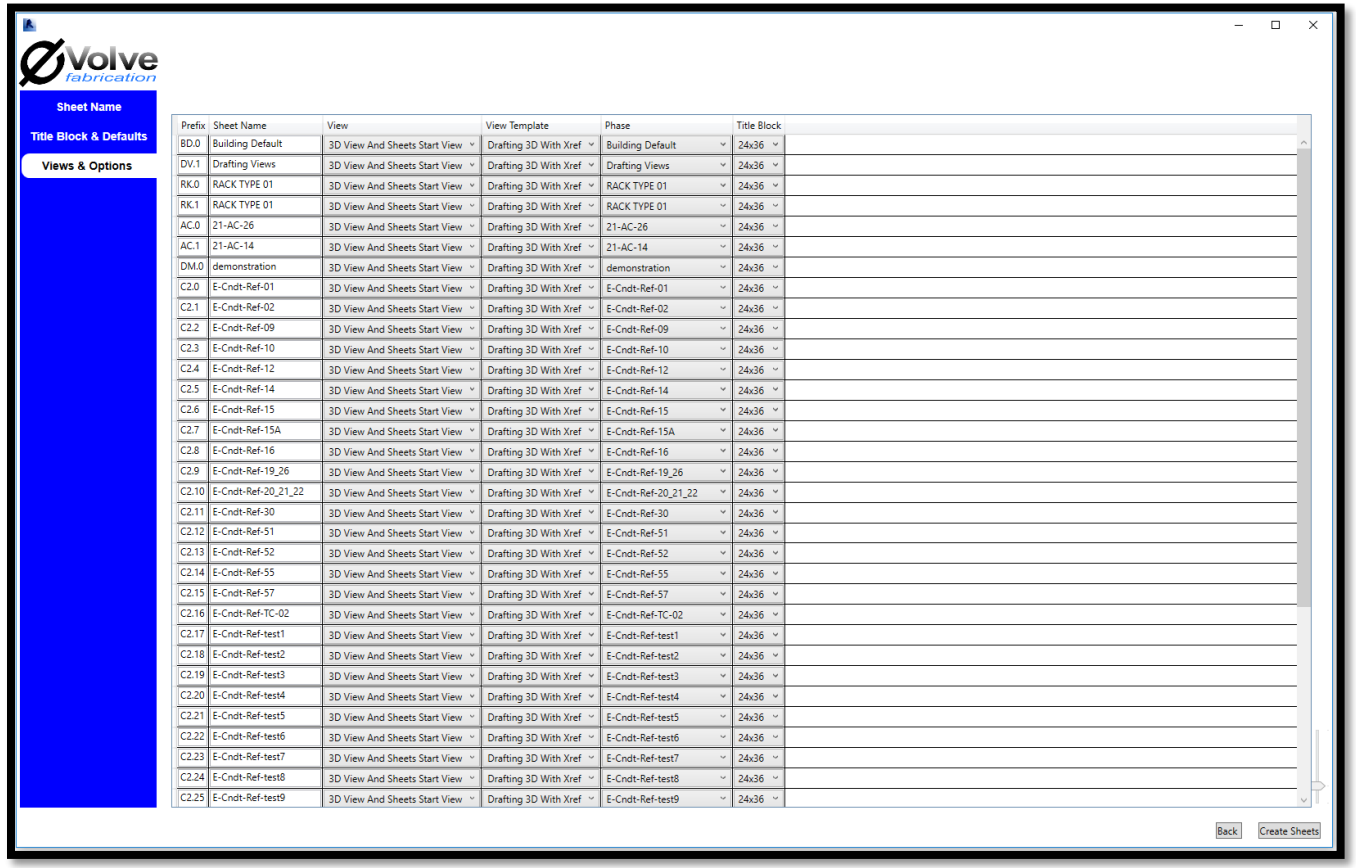
# Title Block & Defaults



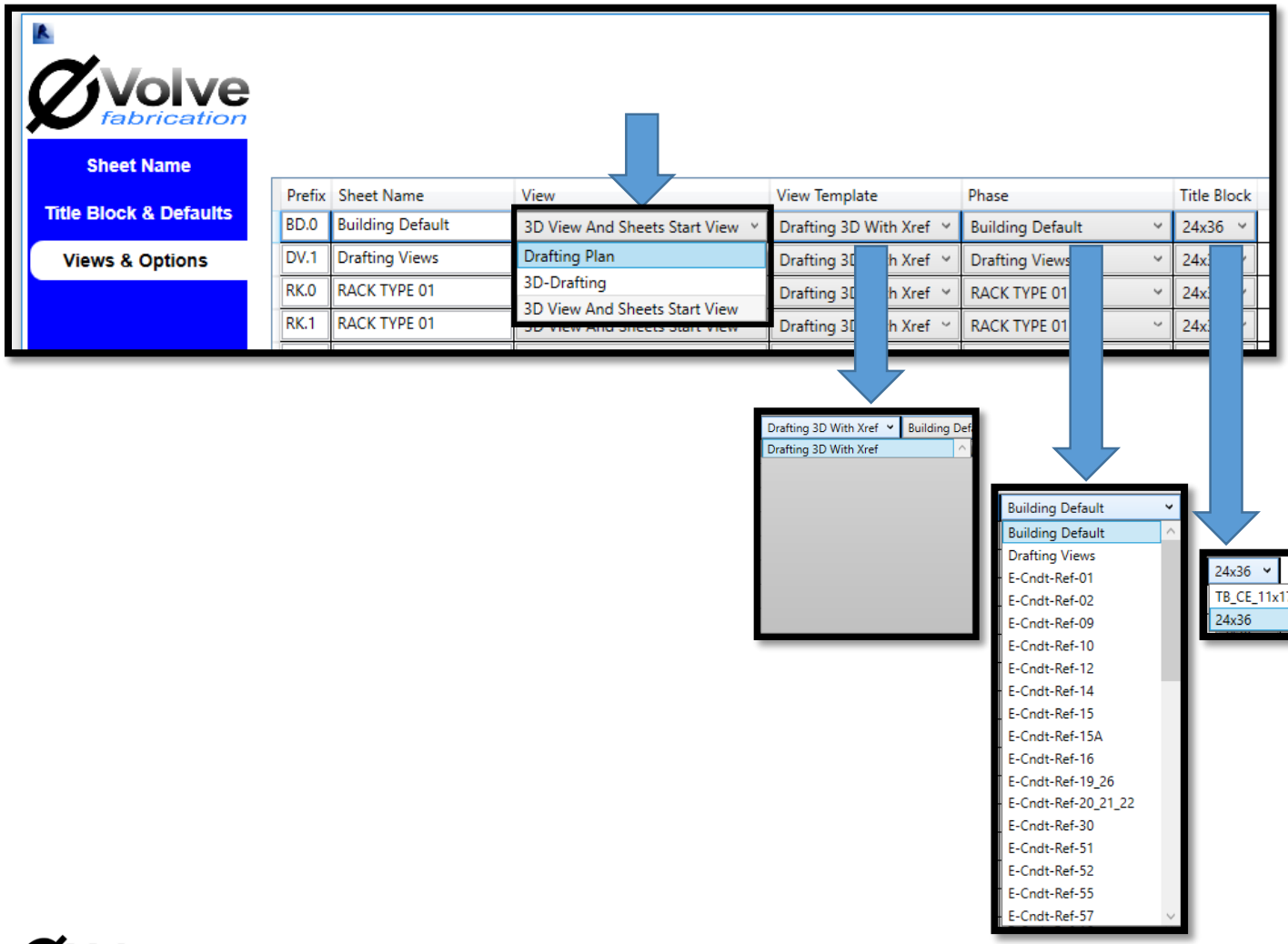

When complete the previous window reappears.

# Views & Options



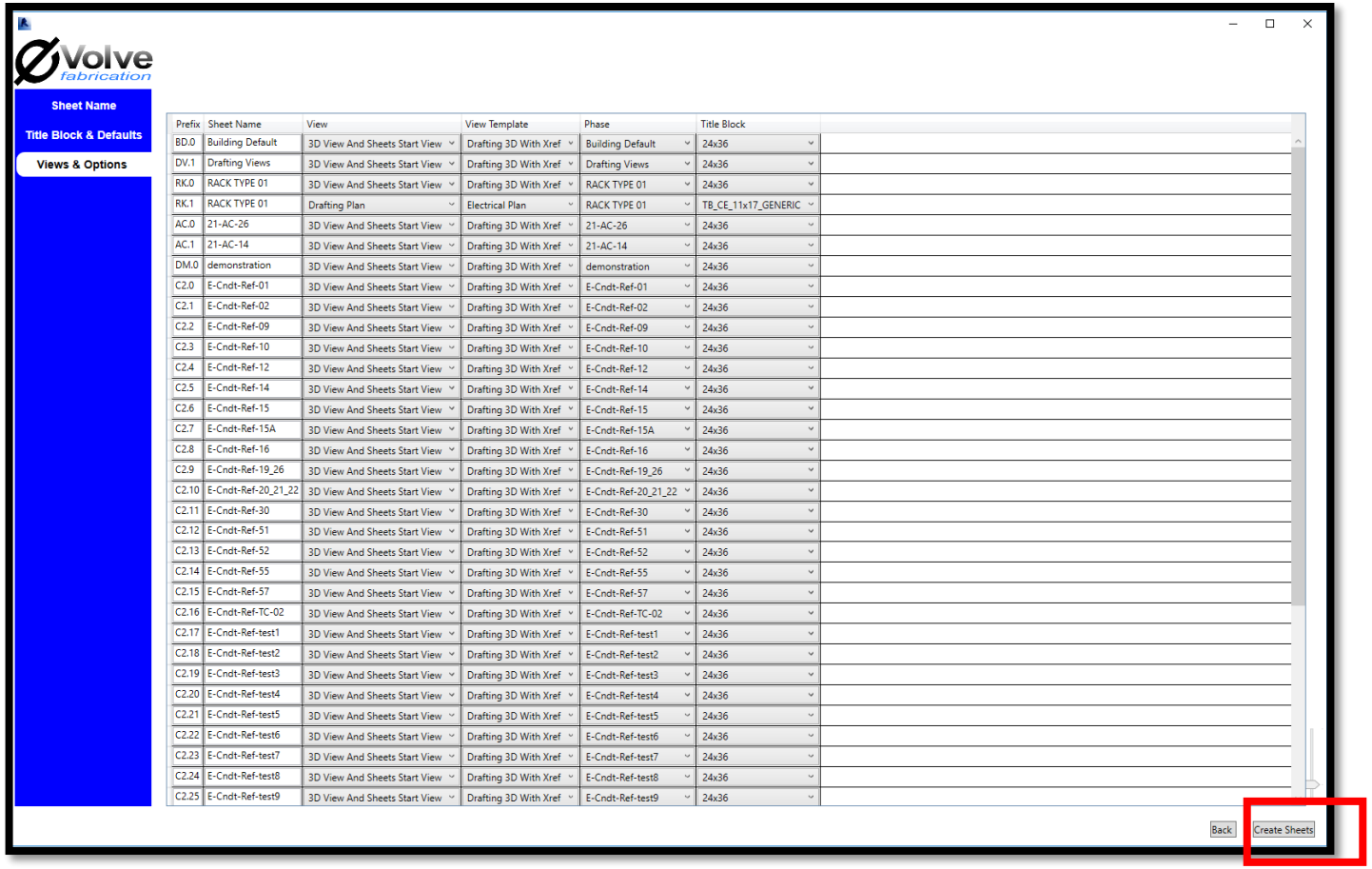

In this part we are in the Views and Options menu. From here we can make changes to the View , View template , Phase and Title block choices on the least common sheets.

Make your choices from the dropdown menus



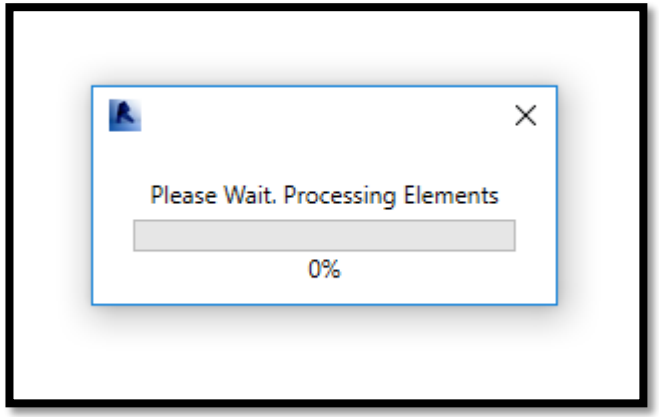

| Prefix | Sheet Name | View | View Template | Phase | Title Block |
|---|---|---|---|---|---|
| BD.0 | Building Default | 3D View And Sheets Start View | Drafting 3D With Xref | Building Default | 24x36 |
| DV.1 | Drafting Views | 3D View And Sheets Start View | Drafting 3D With Xref | Drafting Views | 24x36 |
| RK.0 | RACK TYPE 01 | 3D View And Sheets Start View | Drafting 3D With Xref | RACK TYPE 01 | 24x36 |
| RK.1 | RACK TYPE 01 | Drafting Plan | Electrical Plan | RACK TYPE 01 | TB_CE_11x17_GENERIC |

# Create Sheets



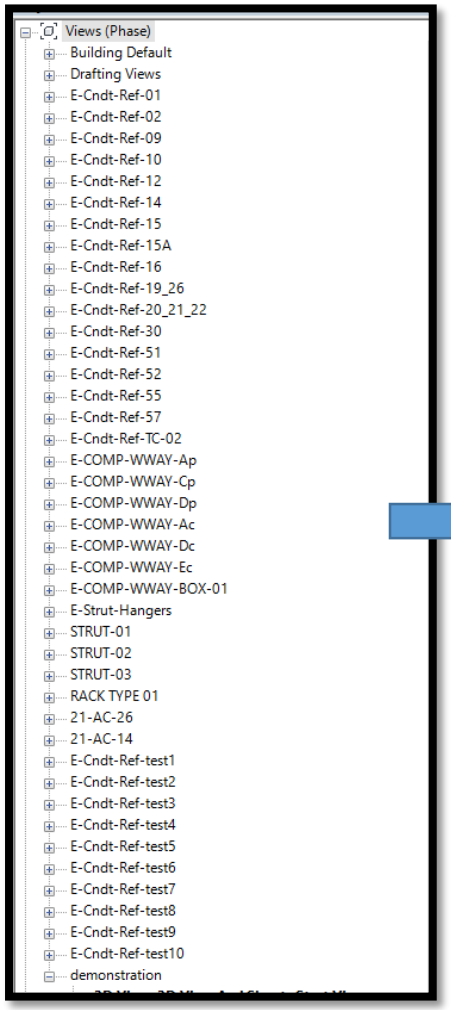

| Prefix | Sheet Name | View | View Template | Phase | Title Block |
|---|---|---|---|---|---|
| BD.0 | Building Default | 3D View And Sheets Start View | Drafting 3D With Xref | Building Default | 24x36 |
| DV.1 | Drafting Views | 3D View And Sheets Start View | Drafting 3D With Xref | Drafting Views | 24x36 |
| RK.0 | RACK TYPE 01 | 3D View And Sheets Start View | Drafting 3D With Xref | RACK TYPE 01 | 24x36 |
| RK.1 | RACK TYPE 01 | Drafting Plan | Electrical Plan | RACK TYPE 01 | TB_CE_11x17_GENERIC |
| AC.0 | 21-AC-26 | 3D View And Sheets Start View | Drafting 3D With Xref | 21-AC-26 | 24x36 |
| AC.1 | 21-AC-14 | 3D View And Sheets Start View | Drafting 3D With Xref | 21-AC-14 | 24x36 |
| DM.0 | demonstration | 3D View And Sheets Start View | Drafting 3D With Xref | demonstration | 24x36 |
| C2.0 | E-Cndt-Ref-01 | 3D View And Sheets Start View | Drafting 3D With Xref | E-Cndt-Ref-01 | 24x36 |
| C2.1 | E-Cndt-Ref-02 | 3D View And Sheets Start View | Drafting 3D With Xref | E-Cndt-Ref-02 | 24x36 |
| C2.2 | E-Cndt-Ref-09 | 3D View And Sheets Start View | Drafting 3D With Xref | E-Cndt-Ref-09 | 24x36 |
| C2.3 | E-Cndt-Ref-10 | 3D View And Sheets Start View | Drafting 3D With Xref | E-Cndt-Ref-10 | 24x36 |
| C2.4 | E-Cndt-Ref-12 | 3D View And Sheets Start View | Drafting 3D With Xref | E-Cndt-Ref-12 | 24x36 |
| C2.5 | E-Cndt-Ref-14 | 3D View And Sheets Start View | Drafting 3D With Xref | E-Cndt-Ref-14 | 24x36 |
| C2.6 | E-Cndt-Ref-15 | 3D View And Sheets Start View | Drafting 3D With Xref | E-Cndt-Ref-15 | 24x36 |
| C2.7 | E-Cndt-Ref-15A | 3D View And Sheets Start View | Drafting 3D With Xref | E-Cndt-Ref-15A | 24x36 |
| C2.8 | E-Cndt-Ref-16 | 3D View And Sheets Start View | Drafting 3D With Xref | E-Cndt-Ref-16 | 24x36 |
| C2.9 | E-Cndt-Ref-19_26 | 3D View And Sheets Start View | Drafting 3D With Xref | E-Cndt-Ref-19_26 | 24x36 |
| C2.10 | E-Cndt-Ref-20_21_22 | 3D View And Sheets Start View | Drafting 3D With Xref | E-Cndt-Ref-20_21_22 | 24x36 |
| C2.11 | E-Cndt-Ref-30 | 3D View And Sheets Start View | Drafting 3D With Xref | E-Cndt-Ref-30 | 24x36 |
| C2.12 | E-Cndt-Ref-51 | 3D View And Sheets Start View | Drafting 3D With Xref | E-Cndt-Ref-51 | 24x36 |
| C2.13 | E-Cndt-Ref-52 | 3D View And Sheets Start View | Drafting 3D With Xref | E-Cndt-Ref-52 | 24x36 |
| C2.14 | E-Cndt-Ref-55 | 3D View And Sheets Start View | Drafting 3D With Xref | E-Cndt-Ref-55 | 24x36 |
| C2.15 | E-Cndt-Ref-57 | 3D View And Sheets Start View | Drafting 3D With Xref | E-Cndt-Ref-57 | 24x36 |
| C2.16 | E-Cndt-Ref-TC-02 | 3D View And Sheets Start View | Drafting 3D With Xref | E-Cndt-Ref-TC-02 | 24x36 |
| C2.17 | E-Cndt-Ref-test1 | 3D View And Sheets Start View | Drafting 3D With Xref | E-Cndt-Ref-test1 | 24x36 |
| C2.18 | E-Cndt-Ref-test2 | 3D View And Sheets Start View | Drafting 3D With Xref | E-Cndt-Ref-test2 | 24x36 |
| C2.19 | E-Cndt-Ref-test3 | 3D View And Sheets Start View | Drafting 3D With Xref | E-Cndt-Ref-test3 | 24x36 |
| C2.20 | E-Cndt-Ref-test4 | 3D View And Sheets Start View | Drafting 3D With Xref | E-Cndt-Ref-test4 | 24x36 |
| C2.21 | E-Cndt-Ref-test5 | 3D View And Sheets Start View | Drafting 3D With Xref | E-Cndt-Ref-test5 | 24x36 |
| C2.22 | E-Cndt-Ref-test6 | 3D View And Sheets Start View | Drafting 3D With Xref | E-Cndt-Ref-test6 | 24x36 |
| C2.23 | E-Cndt-Ref-test7 | 3D View And Sheets Start View | Drafting 3D With Xref | E-Cndt-Ref-test7 | 24x36 |
| C2.24 | E-Cndt-Ref-test8 | 3D View And Sheets Start View | Drafting 3D With Xref | E-Cndt-Ref-test8 | 24x36 |
| C2.25 | E-Cndt-Ref-test9 | 3D View And Sheets Start View | Drafting 3D With Xref | E-Cndt-Ref-test9 | 24x36 |

It’s time to create the sheets. Click Create Sheets at the bottom right of the window.

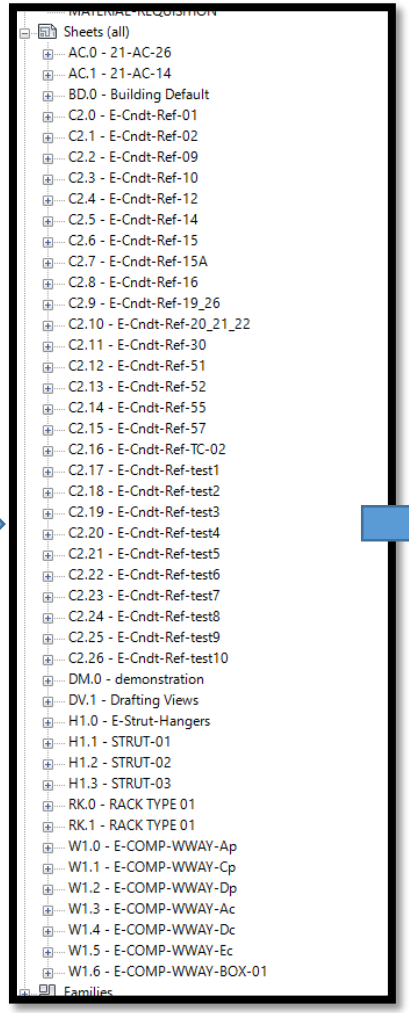


# Create Sheets

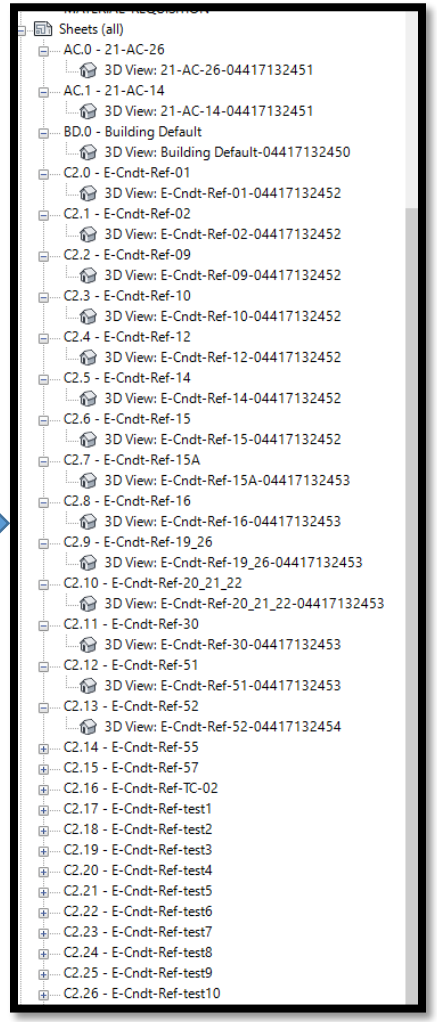
## New Views



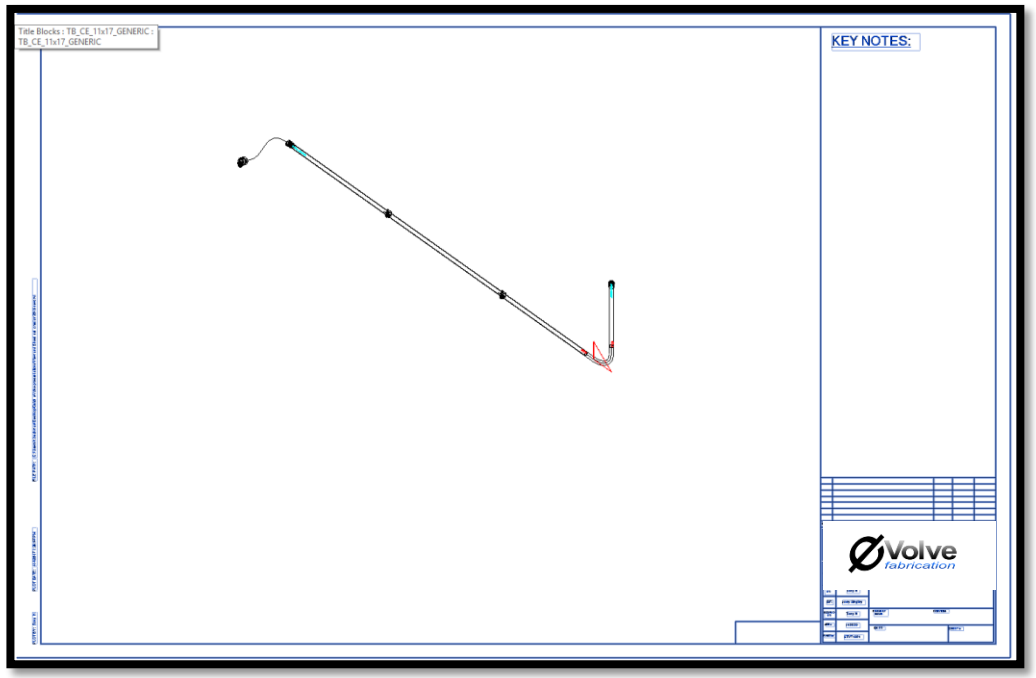

## New Sheets




## New Views place into Sheets



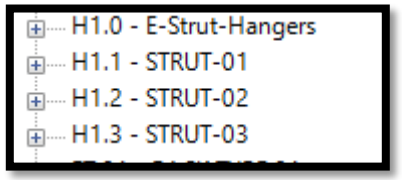
# Create Sheets  - Review Sheets



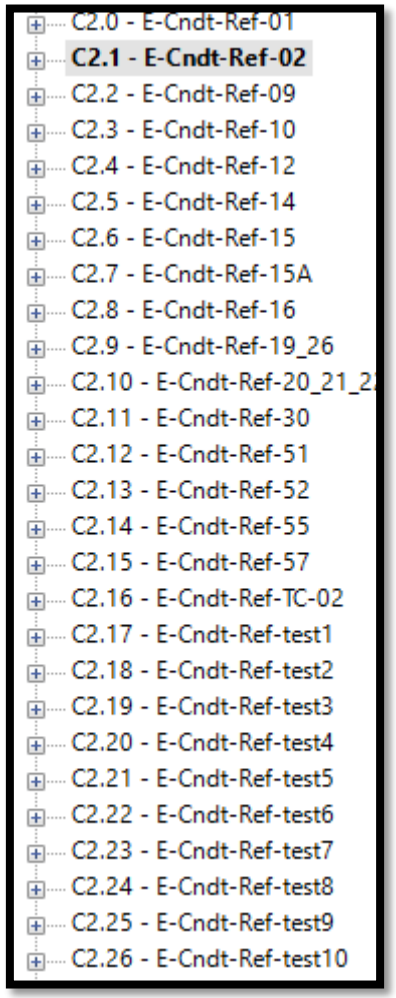

You are now ready to do the details of tagging and dimensions.

# Batch Options

Release 1




Release 2

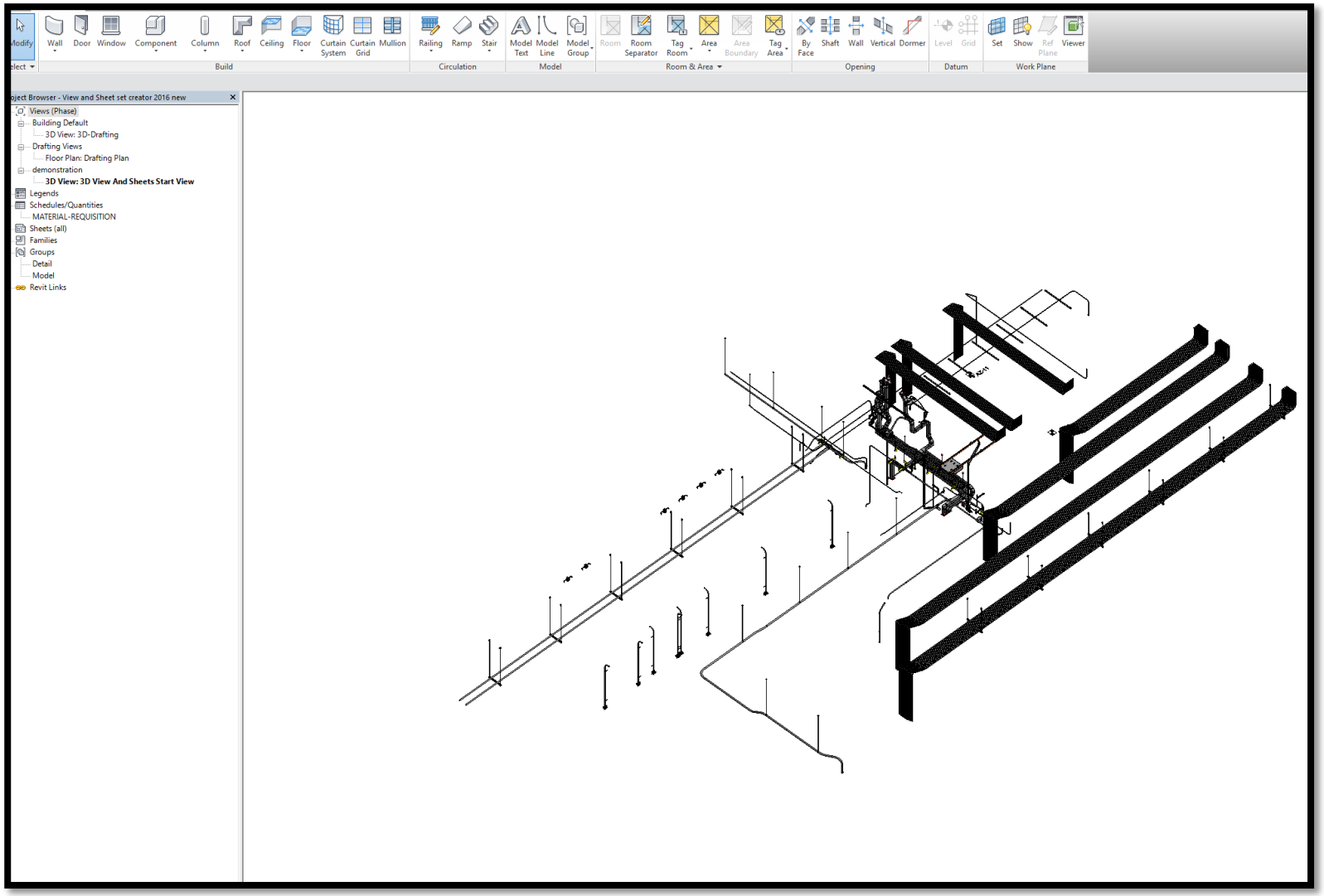



With the latest version we can now do additional sheet releases. This method will show how to do a batch method. We will print out individual releases For Conduit and strut for example.

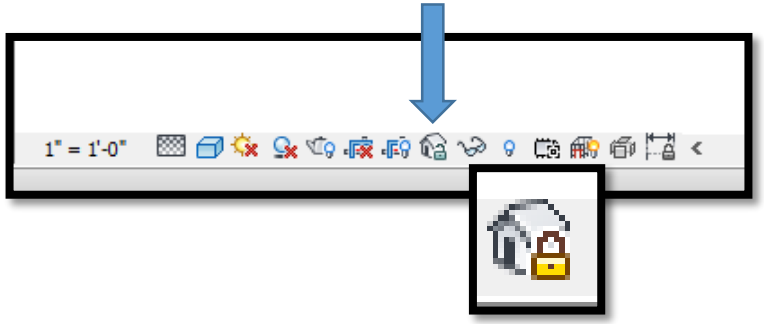
# Batch Options-Setup

Let’s begin with this sample project. We will be creating our sheets based on several scenarios.

Go to a 3D view and lets go through some settings. This view will be used later on to control look and feel and be used as a template.

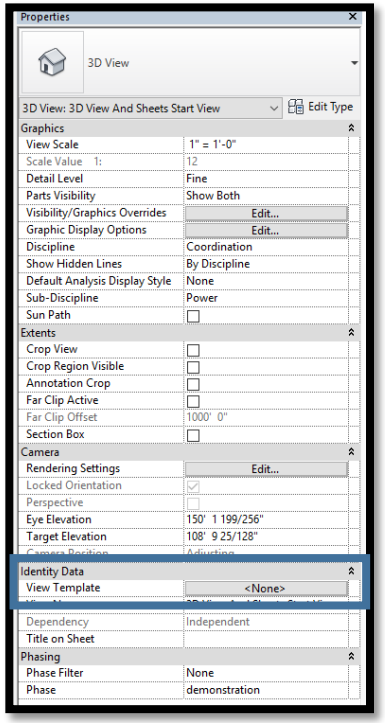


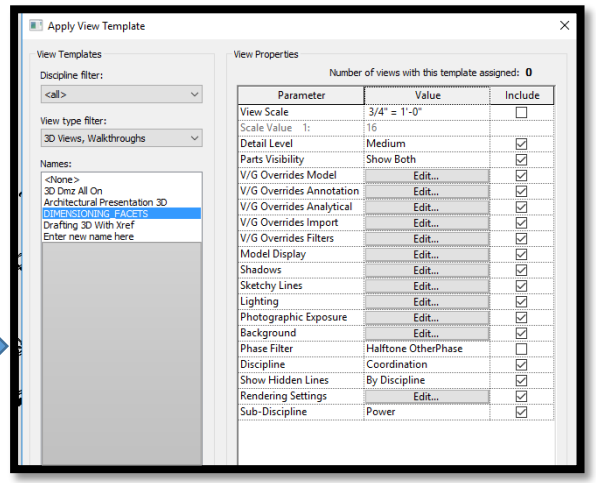
# Batch Options-Setup



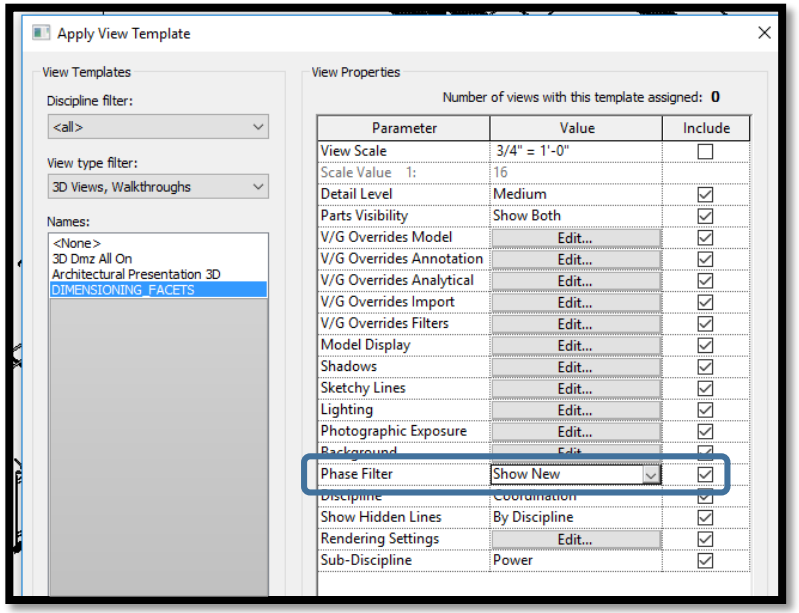

At the bottom of your screen there is a house padlock symbol, select it and lock the view

Next go to the 3d Views properties and select a view template. Choose one that will reveal the hidden shapes in your conduit etc. You will be setting this view up as  a sort of template for the 3D Views.

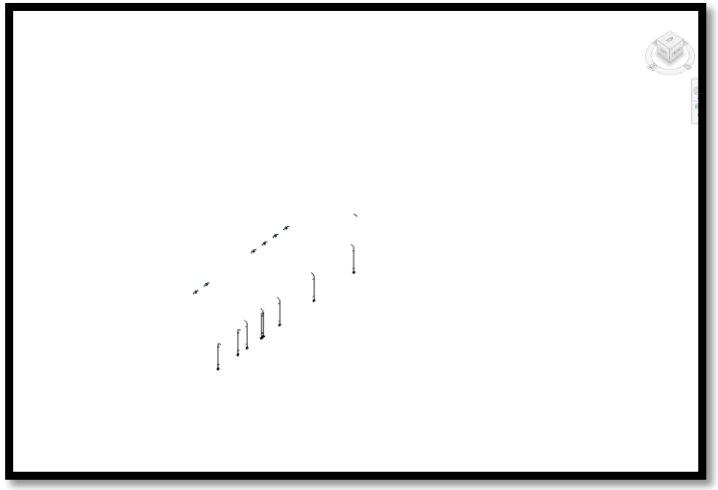


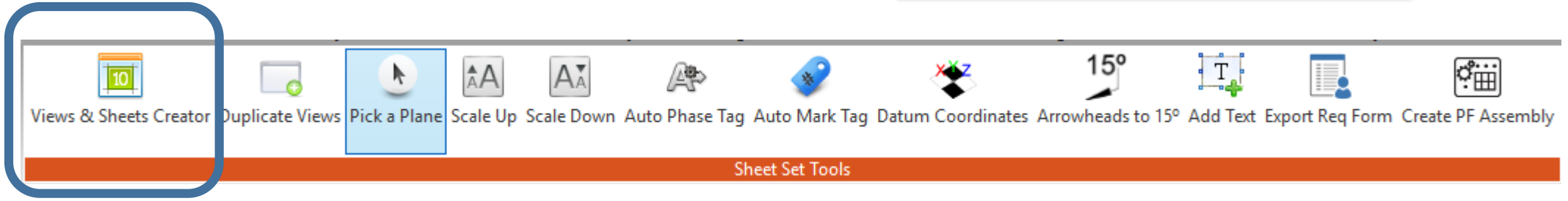
# Batch Options-Setup




In the Phase Filter portion , select “Show New”. Also Check “Include”. You should notice some items disappear in the view provided you have assigned phases.

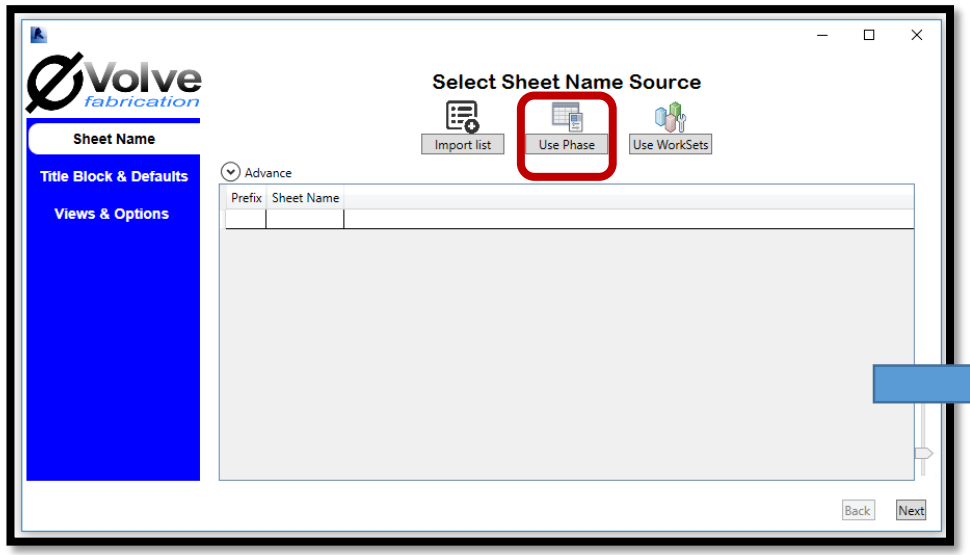


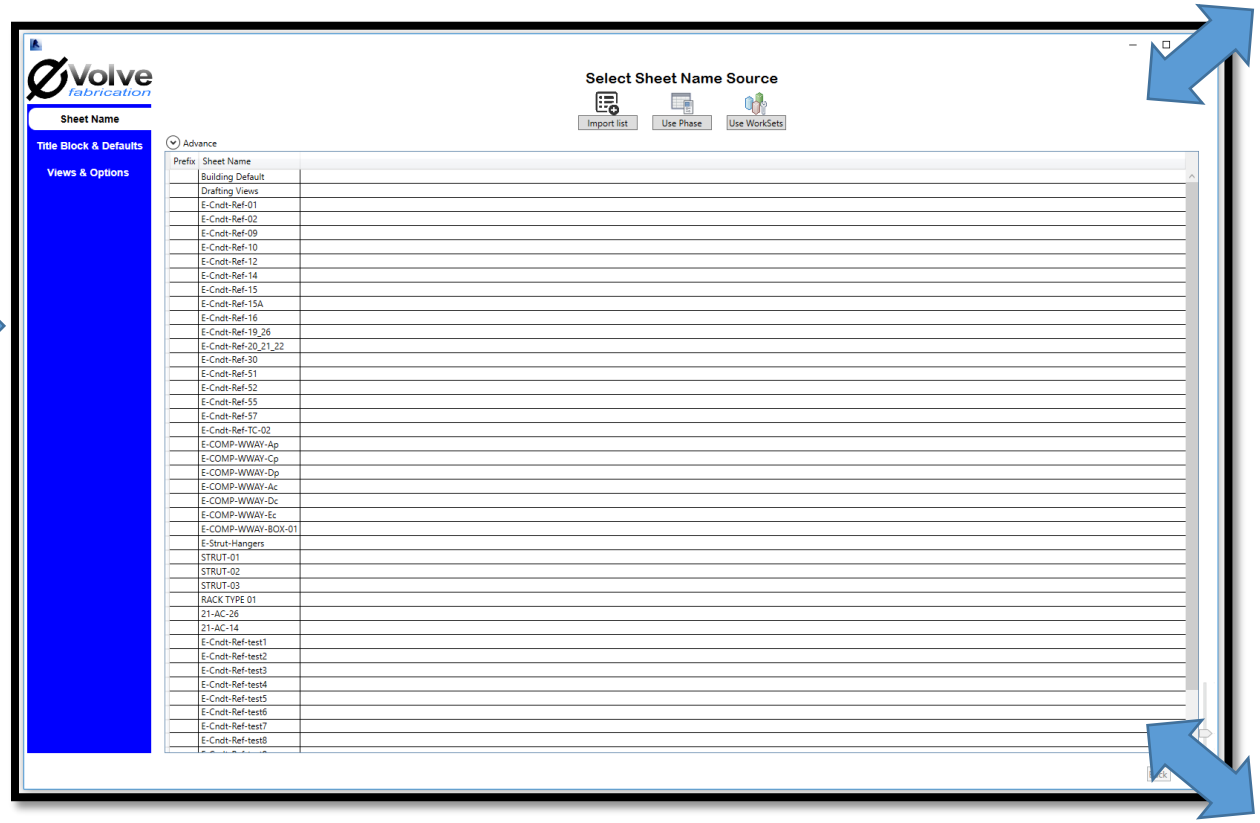
We are ready to start up the View and Sheet creator



# Batch Option-Sheet Name

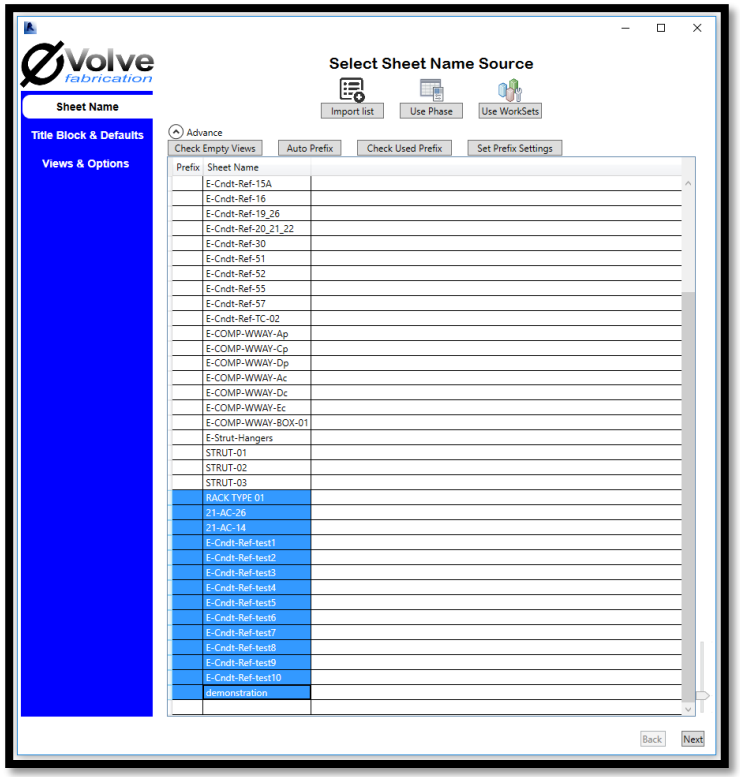
With the latest version, we can still utilize Phases, but there are two new options for developing views and sheets. First we will go over the “Use Phase” version. Select “Use Phase”. You will notice that the Cells portion of the dialog not contains some new fields. You may stretch the extents of the window as well by dragging the corners.



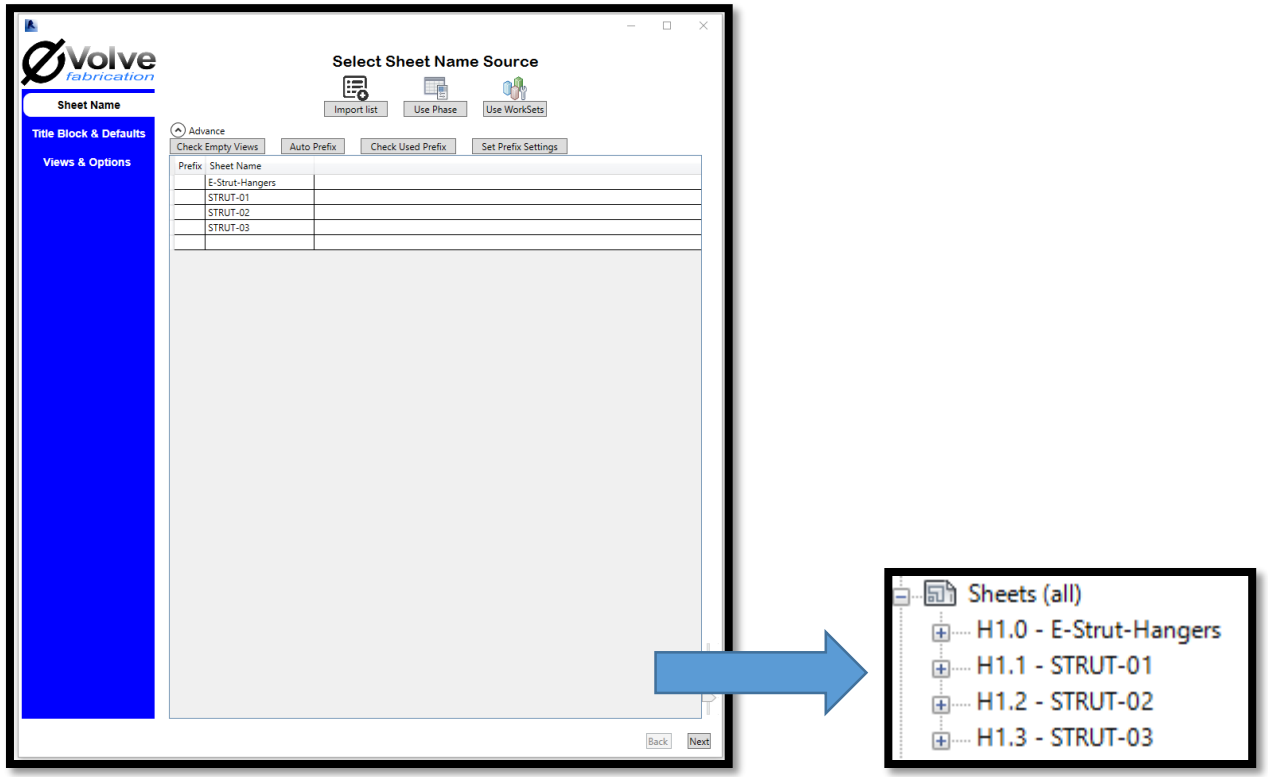



# Batch Option-Sheet Name

Select and delete the sheets you want to exclude. Select and right click Select “Delete”.



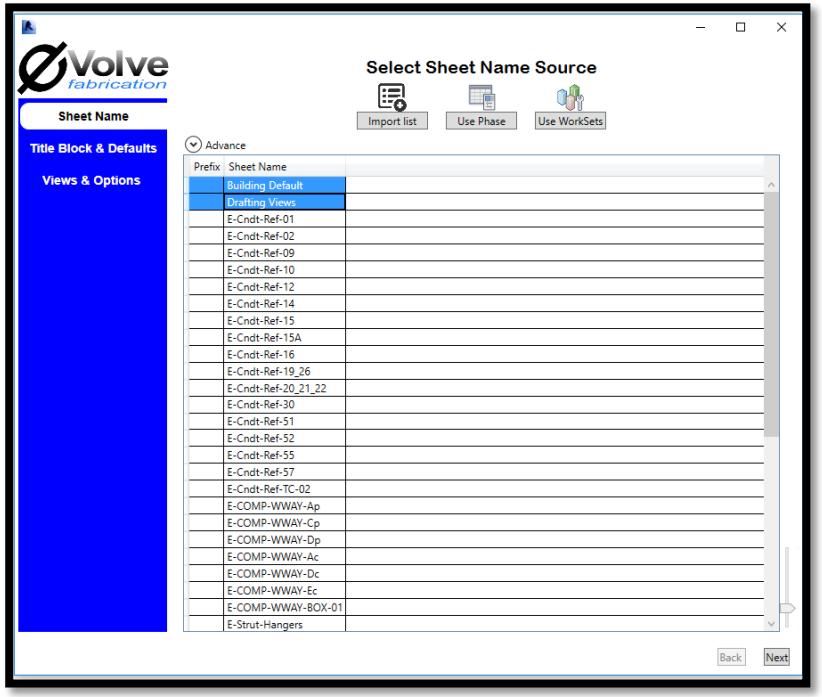

Follow steps from the previous exercise on **pages 7-22 as needed**

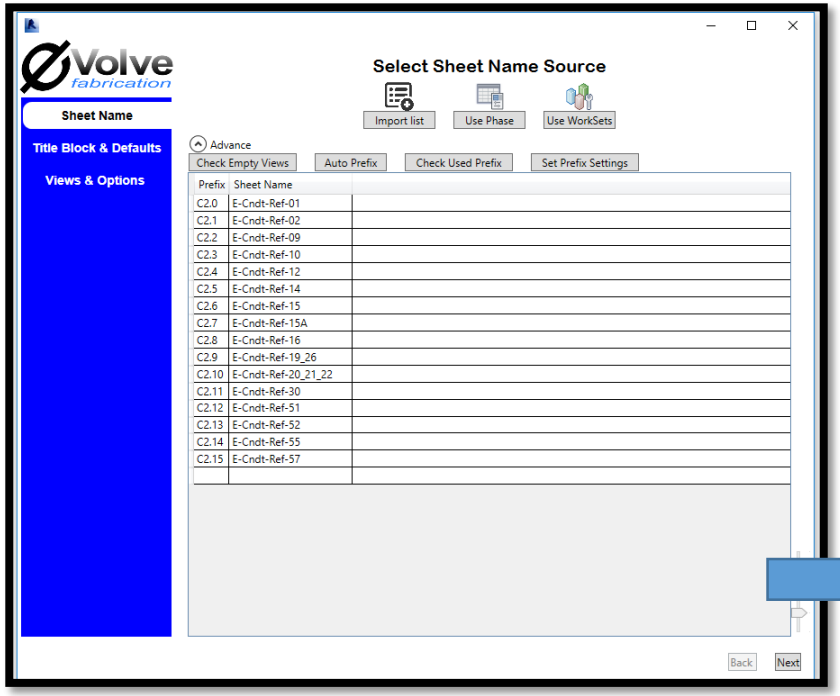


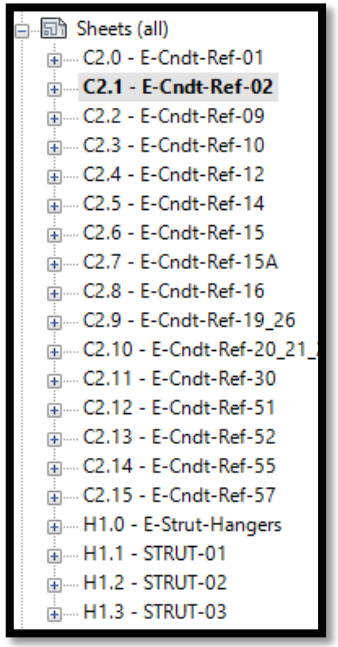
# Batch Option-Sheet Name

New batch or release 2 (repeat Pages 26 and 27),select and delete the sheets you want to exclude. Select and right click Select “Delete”.

Follow steps from the previous exercise on **pages 7-22 as needed**

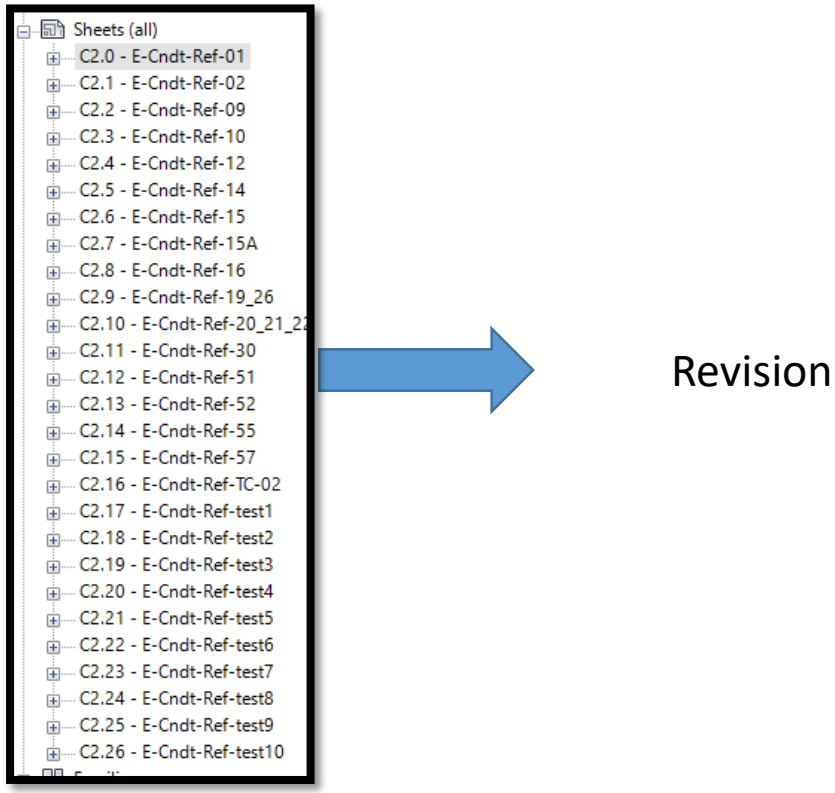


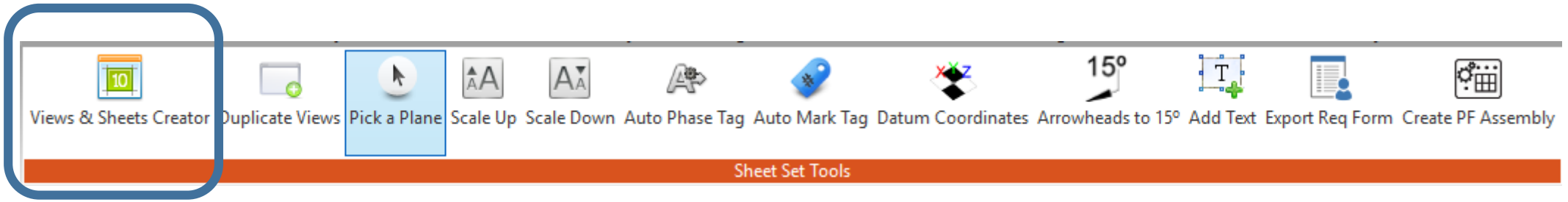
# Revision Option

In this method we will now release a revision. This is used when we have already sent sheets out but are now issuing a revised set. An example would be the a Conduit set was sent out to prefab but has recently been modified. We need to issue a revision to prefab.



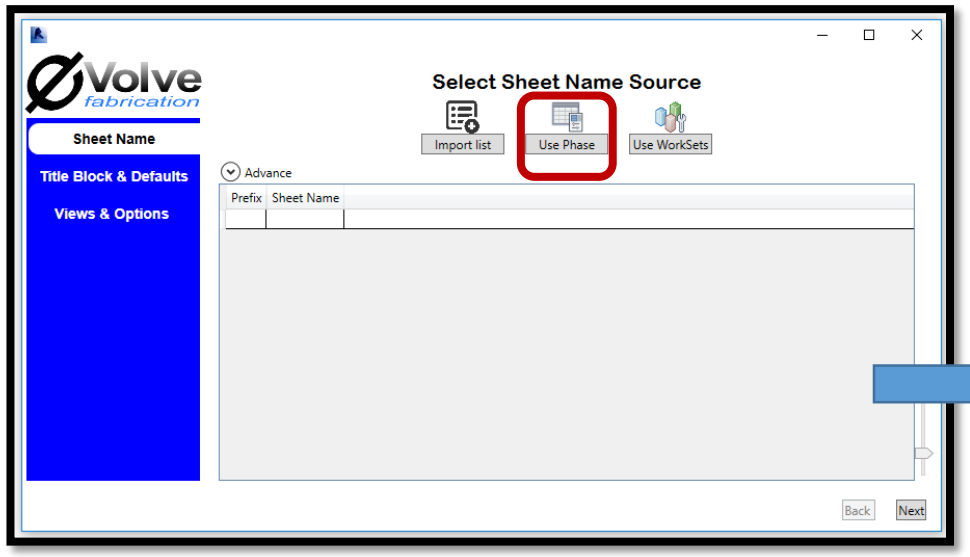

Revision

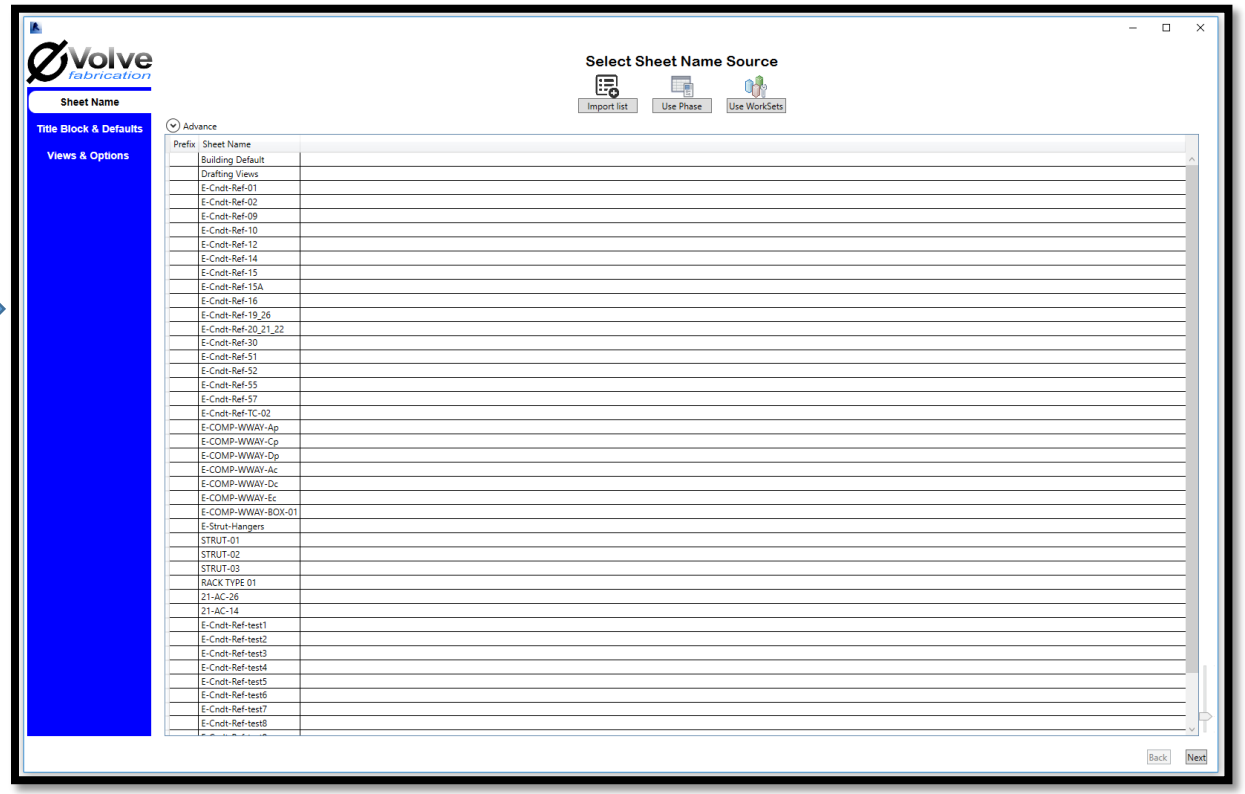
Since we have done a previous set we will skip some steps and go to the view and sheet creator right away.



# Revision Option

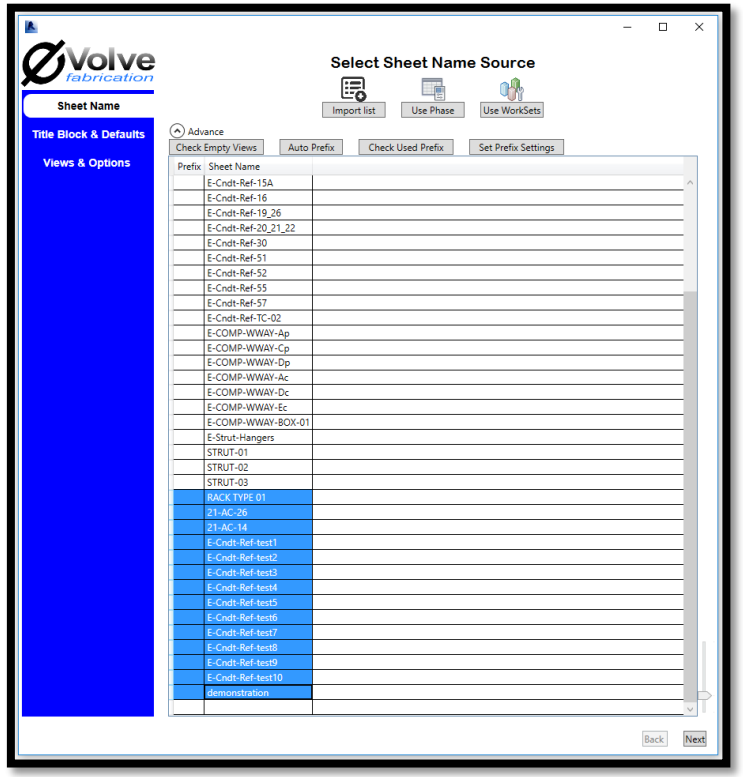
Use Phases and populate the cells.

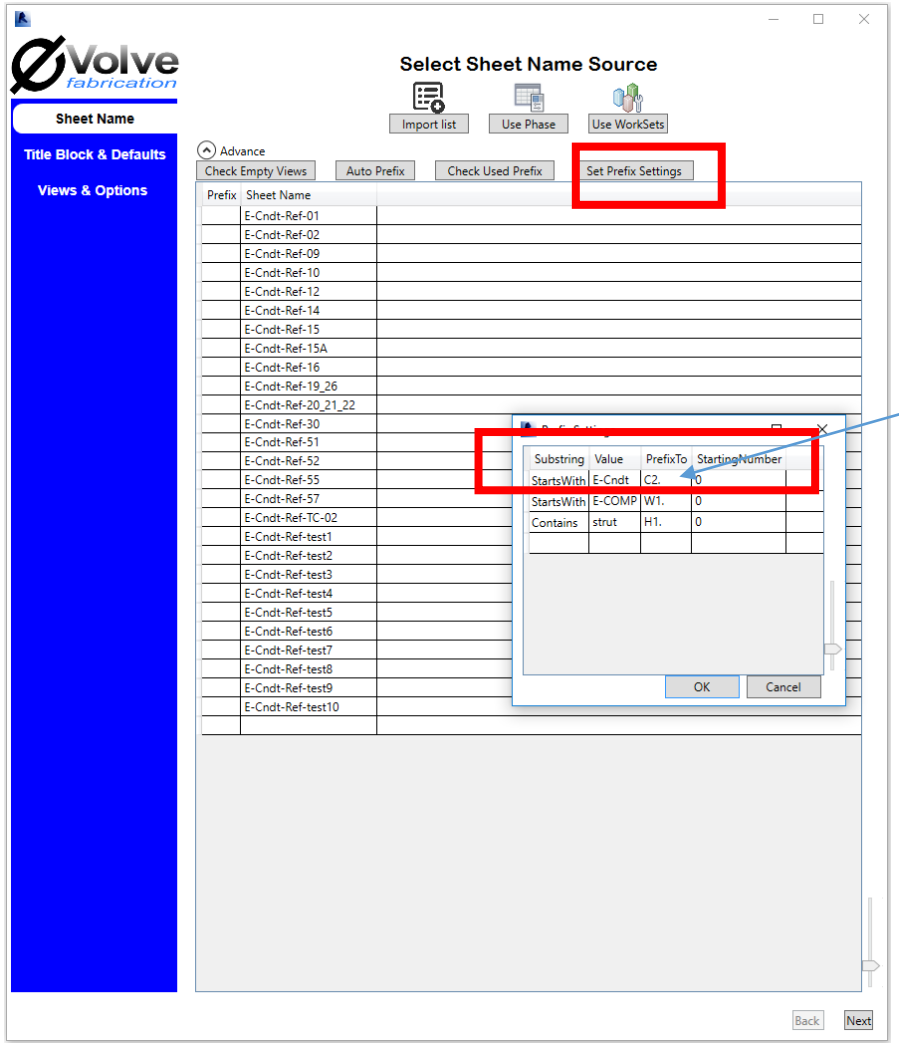


# Revision Option

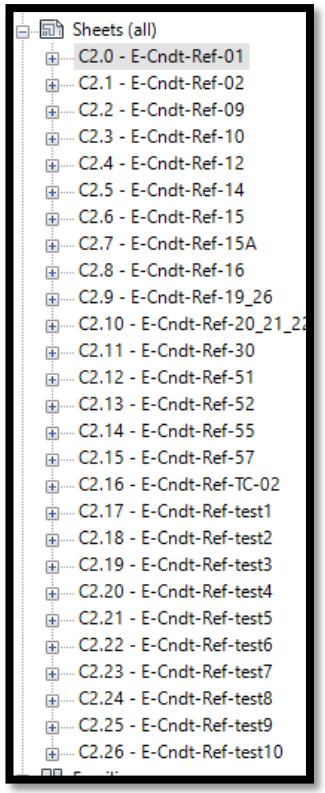
Remove unwanted sheet names from the list. Next go to set prefix settings. We are going to alter the setting for row 1. We will change it from C2 to C3 for example. This maybe something you decide internally .It must be different than the previous set.



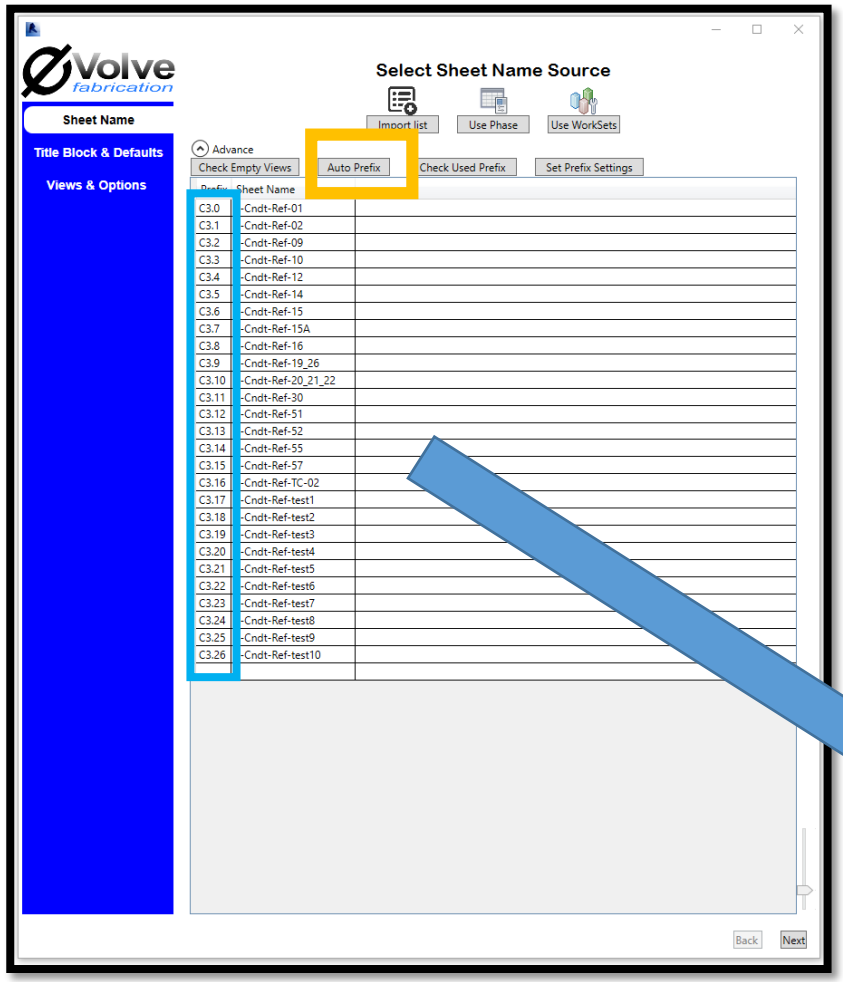




C2 to C3
As an example

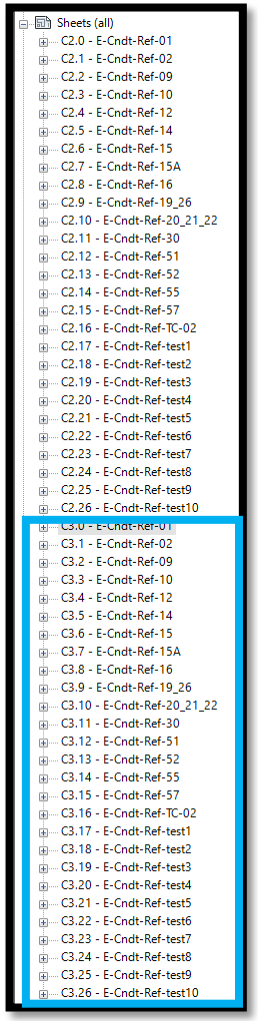
Previous Set




To assign the Prefixes select Auto prefix.



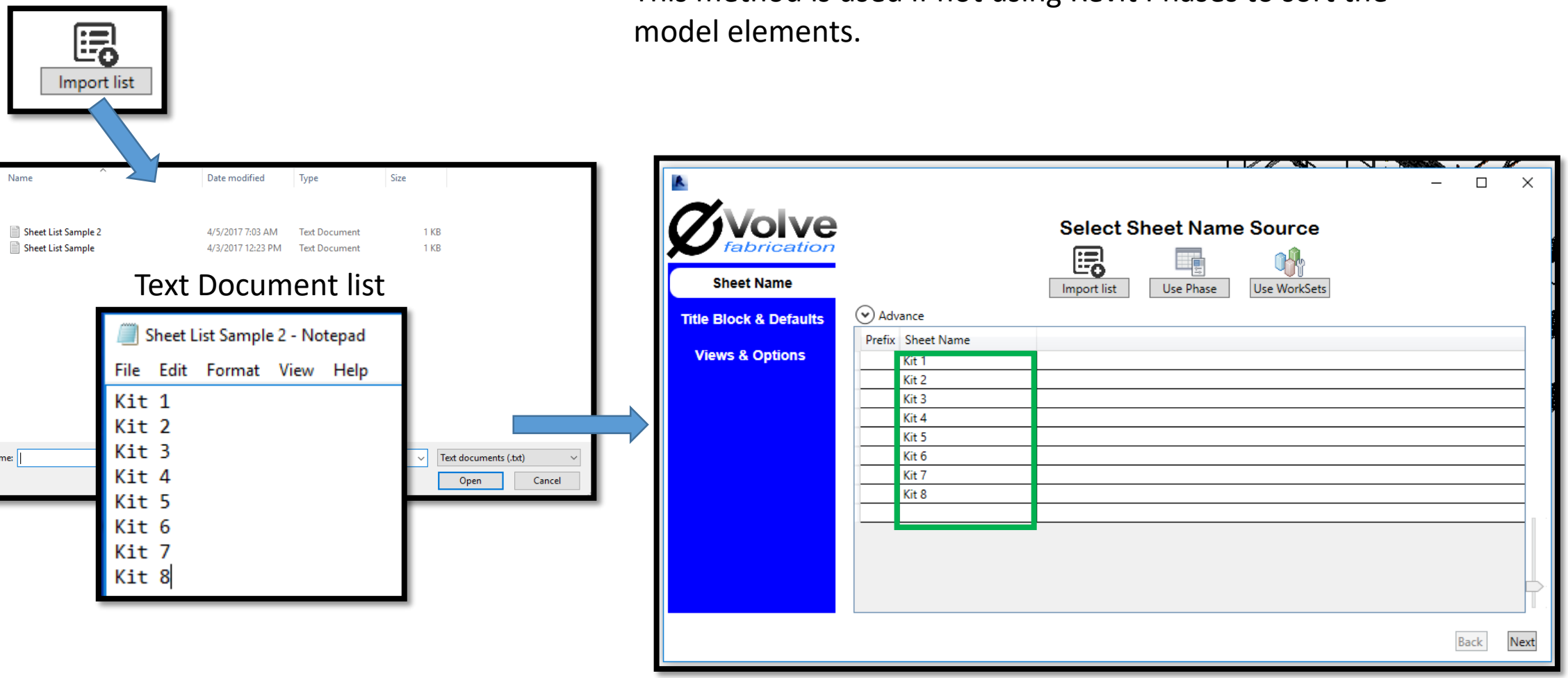

Follow steps from the previous exercise on **pages 14-22 as needed**



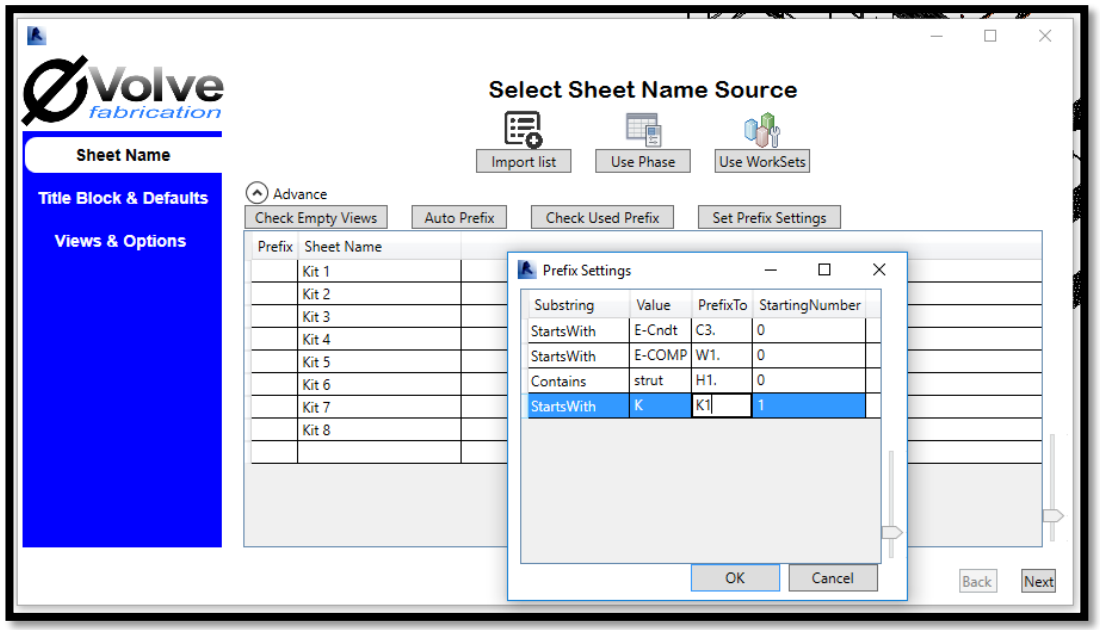

New set added.

# Import List Method

This method is used if not using Revit Phases to sort the model elements.



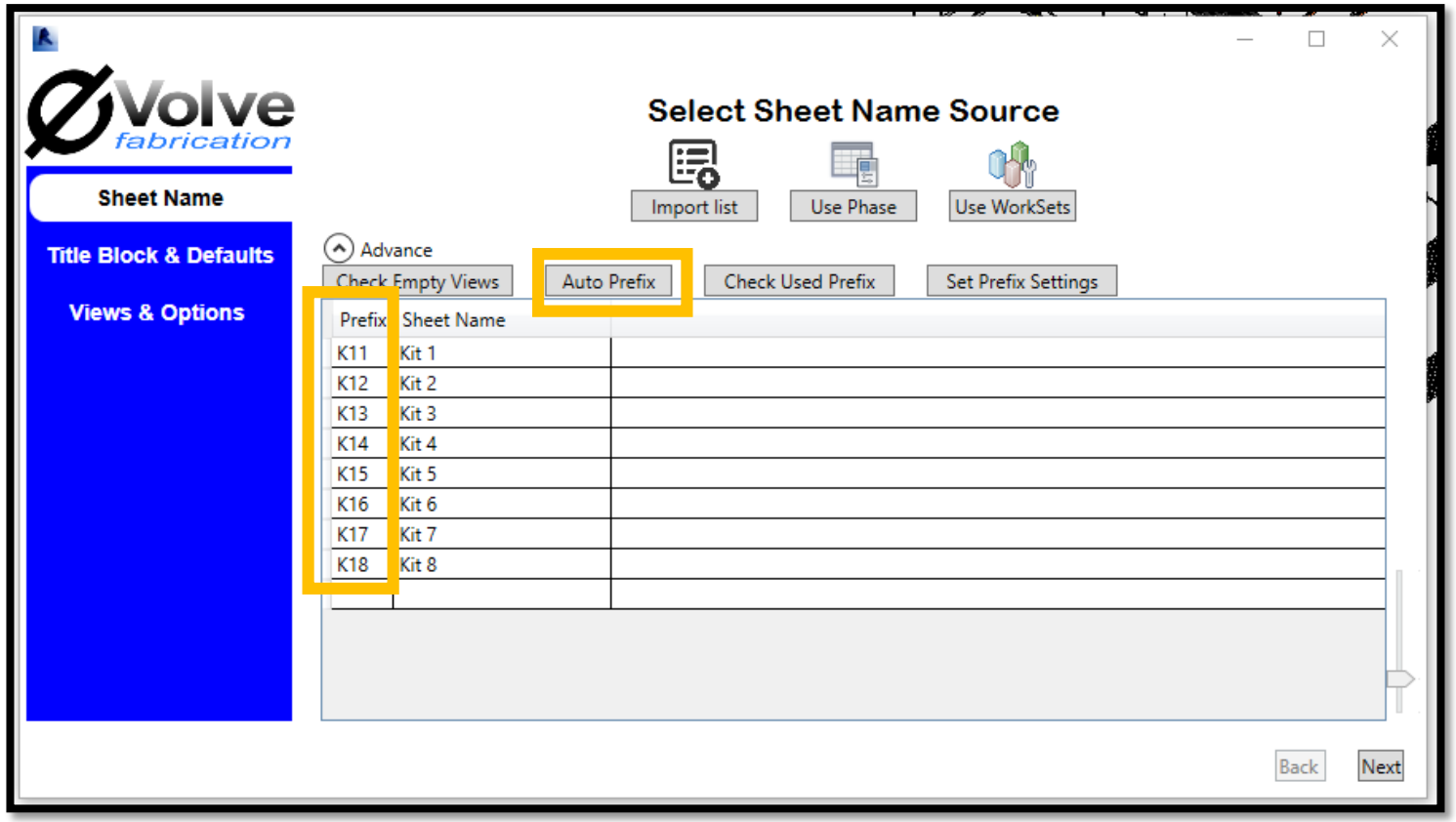
# Import List Method



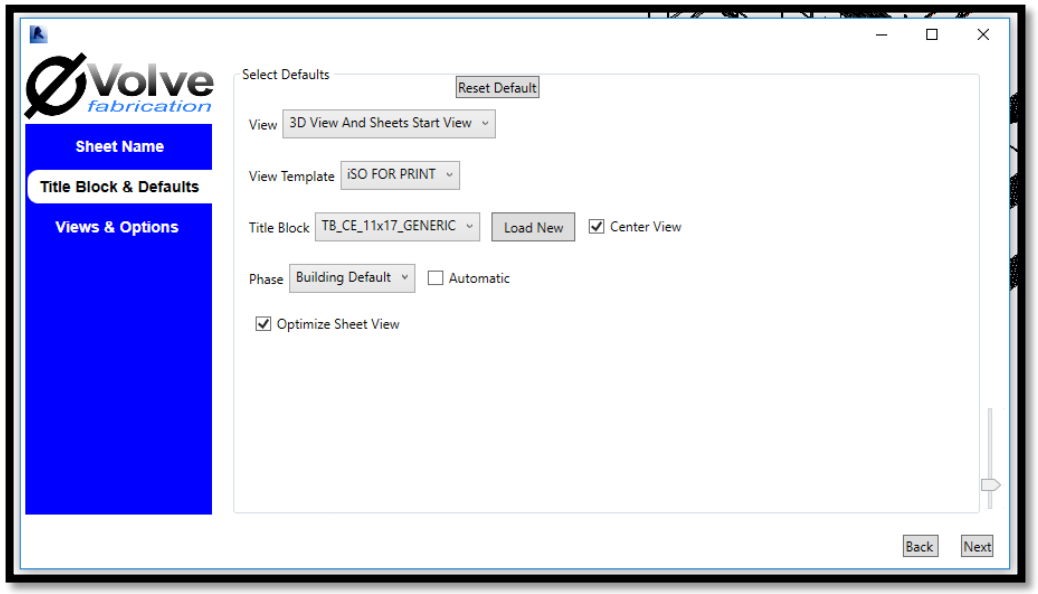

Follow steps from the previous exercise on **pages 8-9 as needed**

# Import List Method

To assign the Prefixes select Auto prefix.



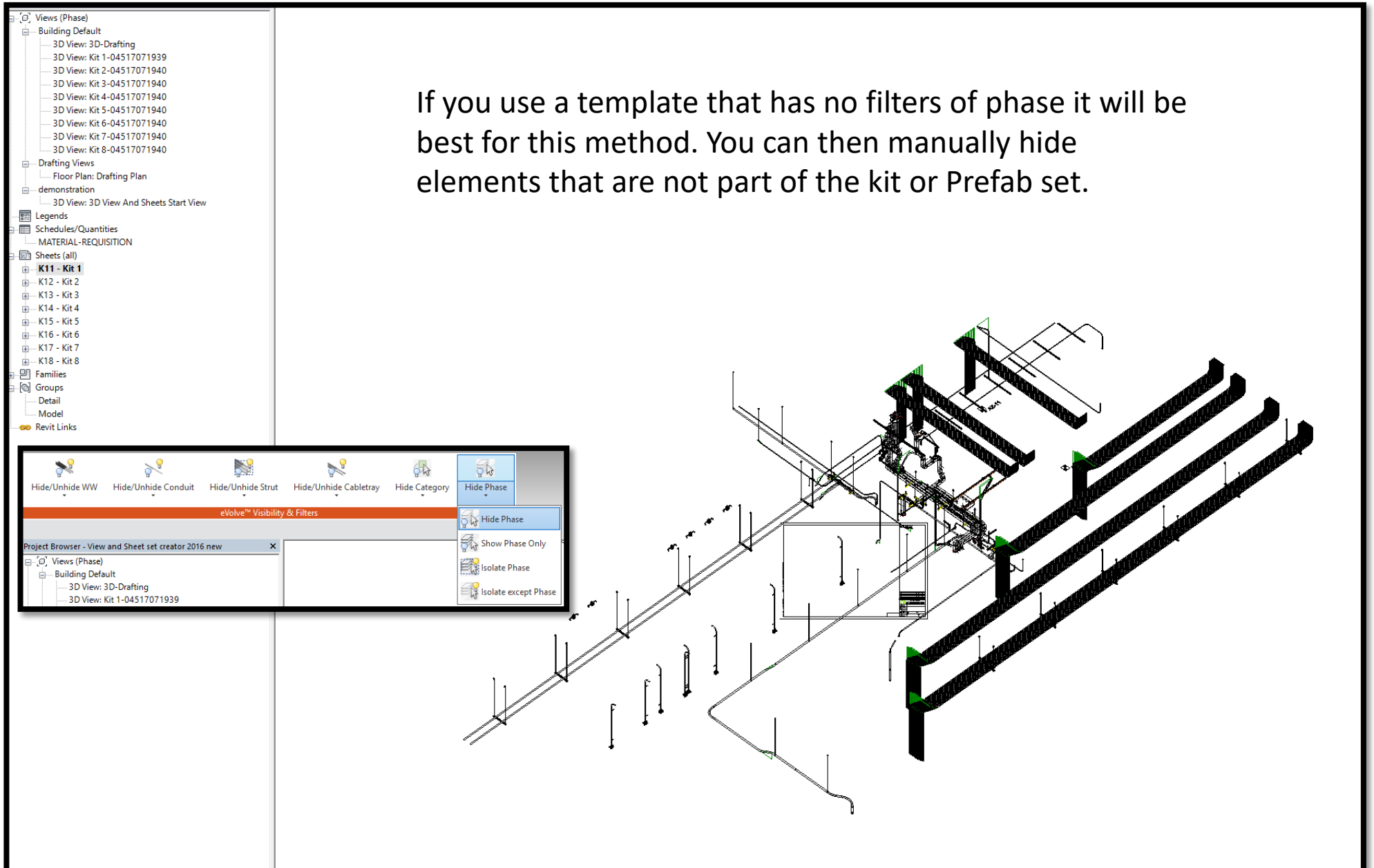
# Import List Method




Follow steps from the previous exercise on **pages 14-22 as needed**

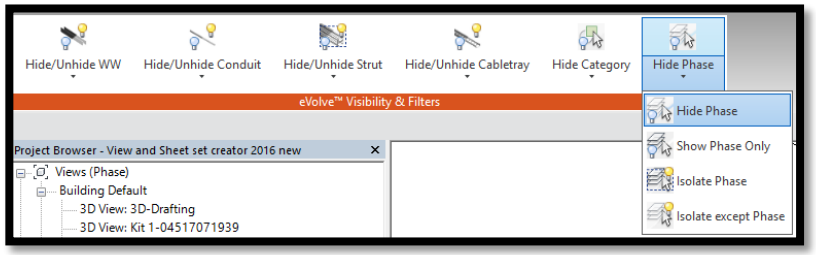
If you use a template that has no filters of phase it will be best for this method. You can then manually hide elements that are not part of the kit or Prefab set.

# Import List Method

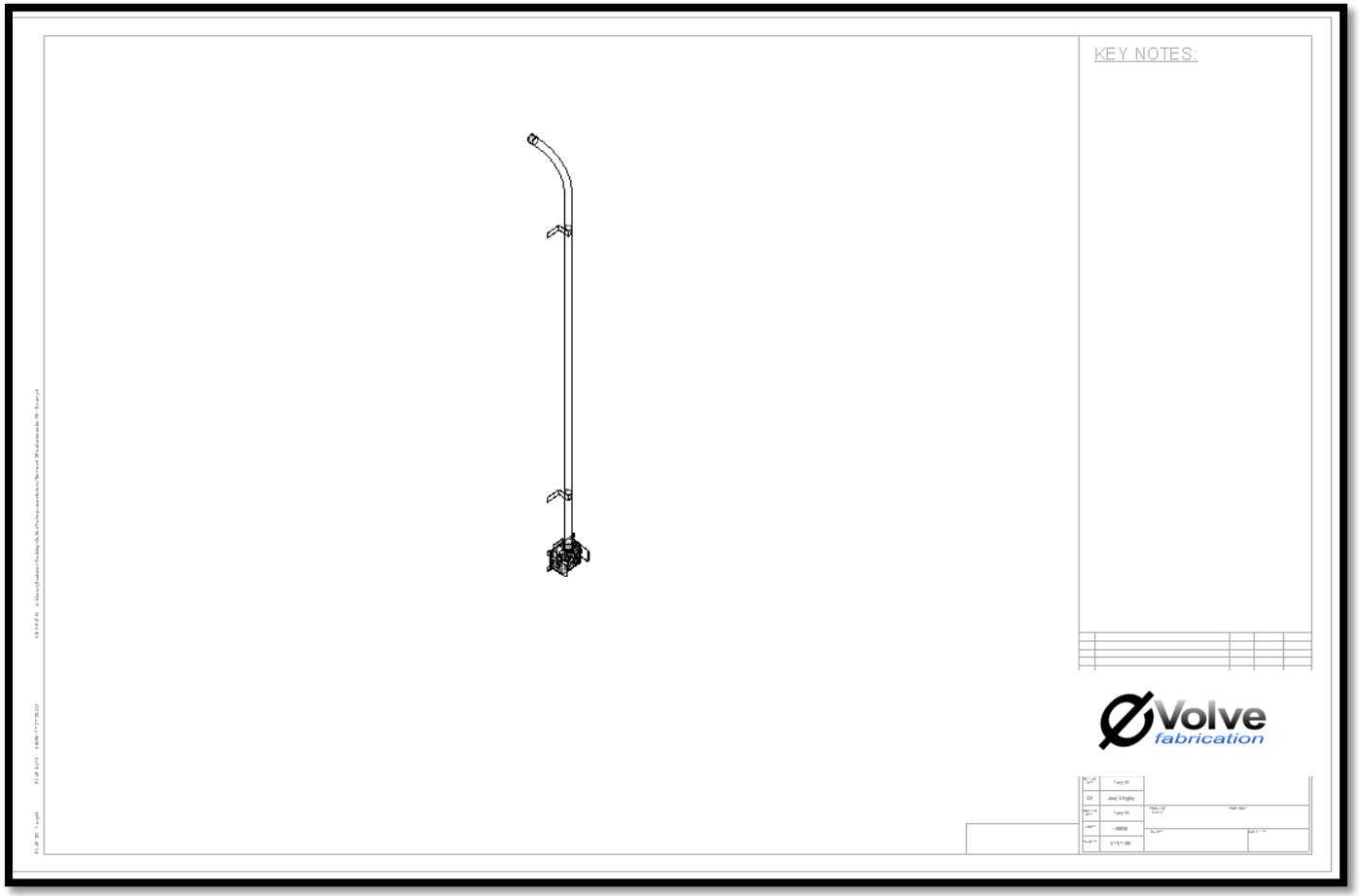



If you use a template that has no filters of phase it will be best for this method. You can then manually hide elements that are not part of the kit or Prefab set.

# Import List Method

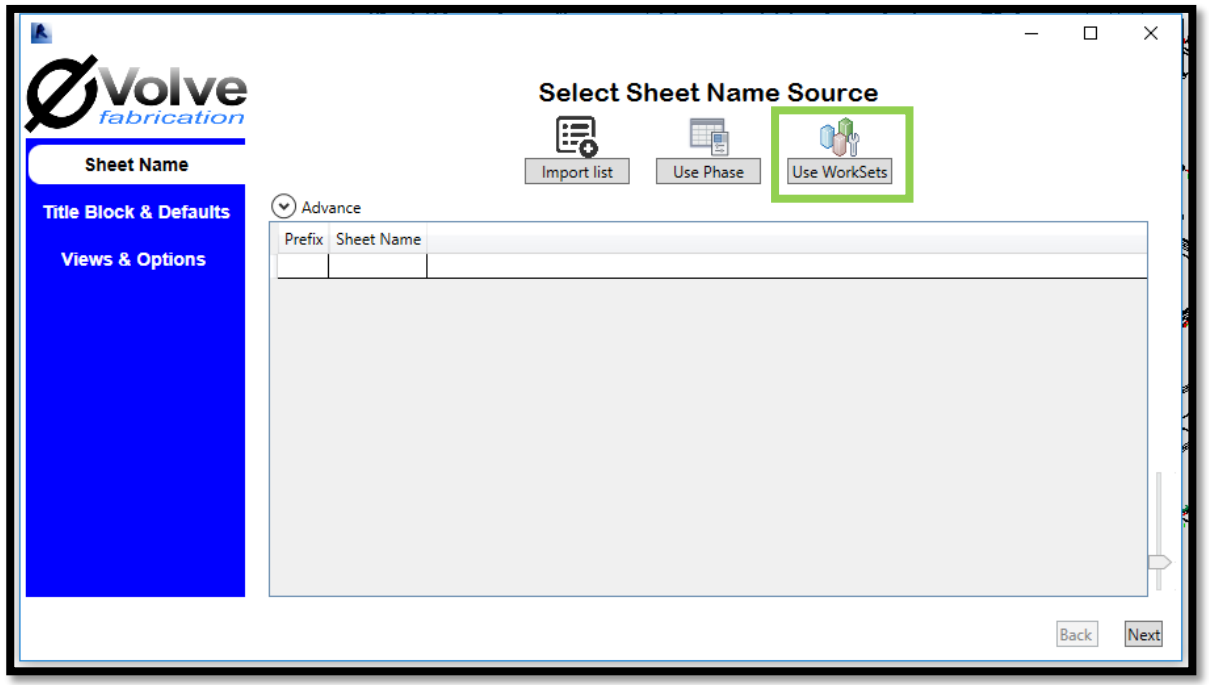



Use eVolve filters from the Visibilty and Filters Toolbar to quickly Show and hide elements.

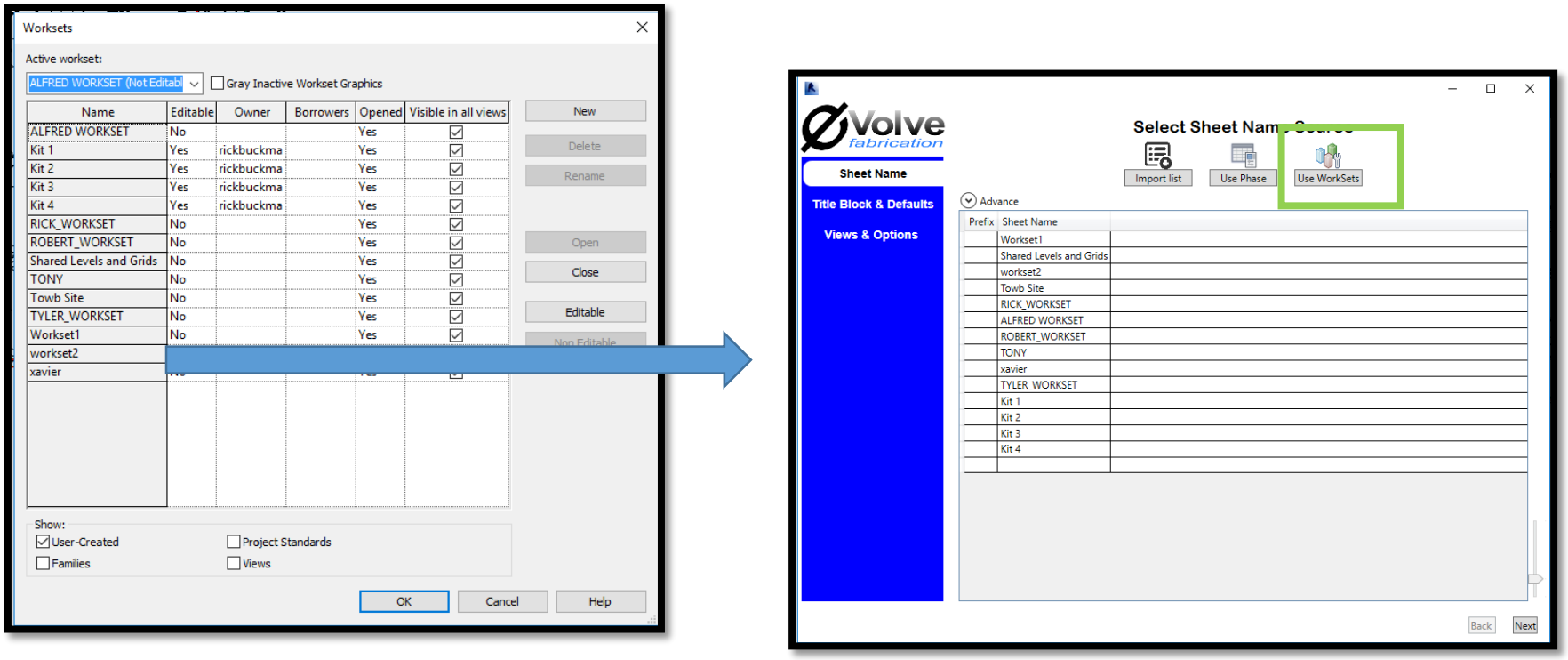


# Worksets Method

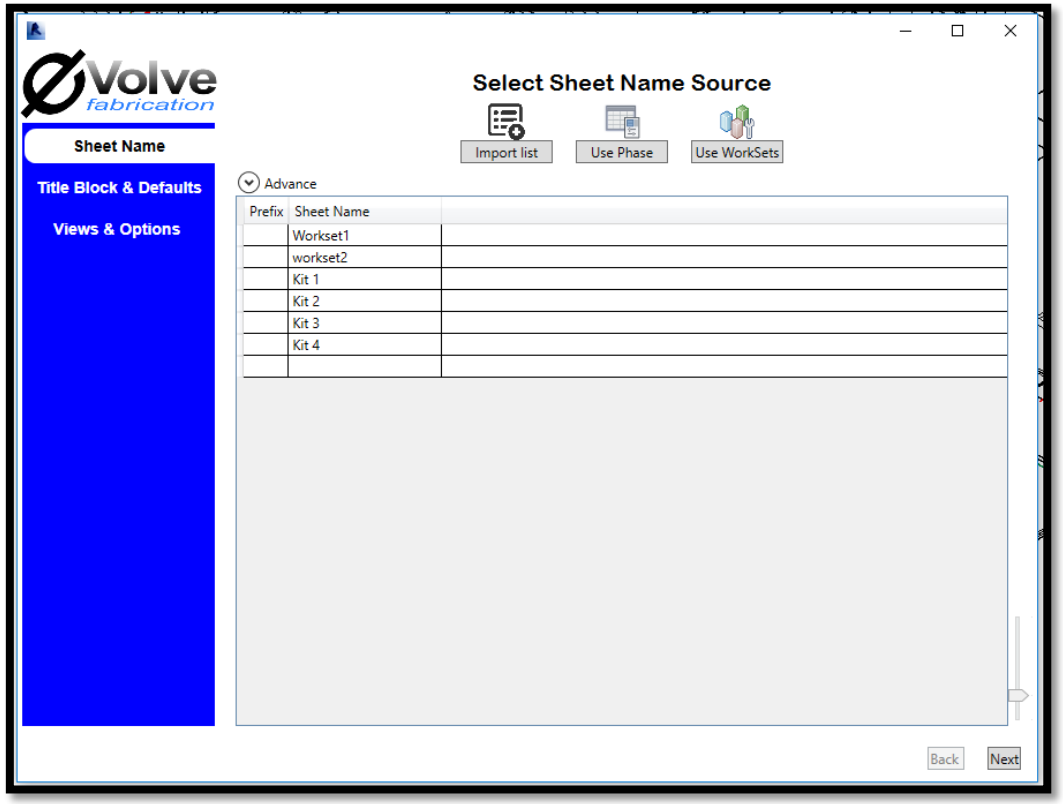
With this method we will use the Worksets list to generate our list of Sheets.
This method is used if not using Revit Phases to sort the model elements.



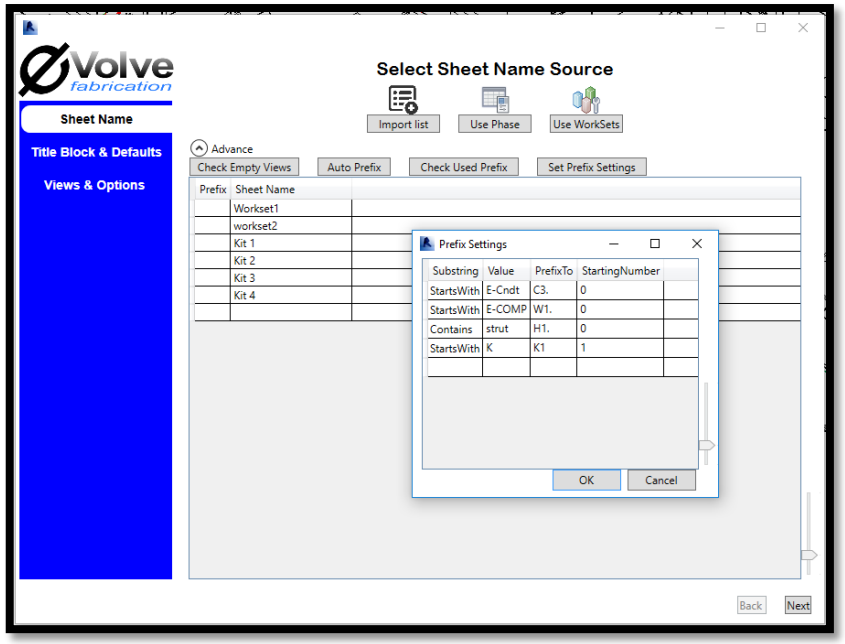
# Worksets Method



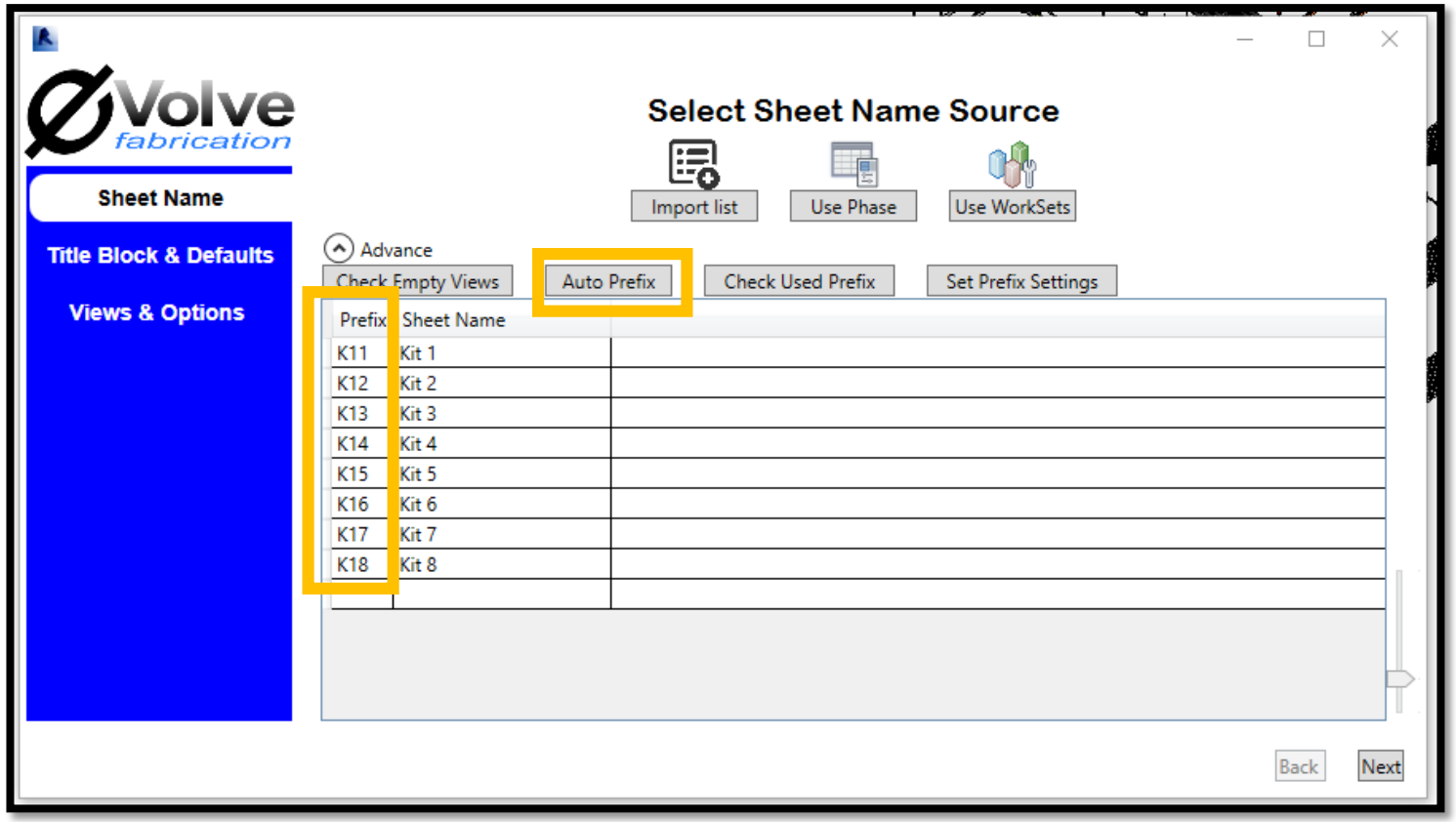
Select and delete the sheets you want to exclude. Select and right click Select “Delete”.



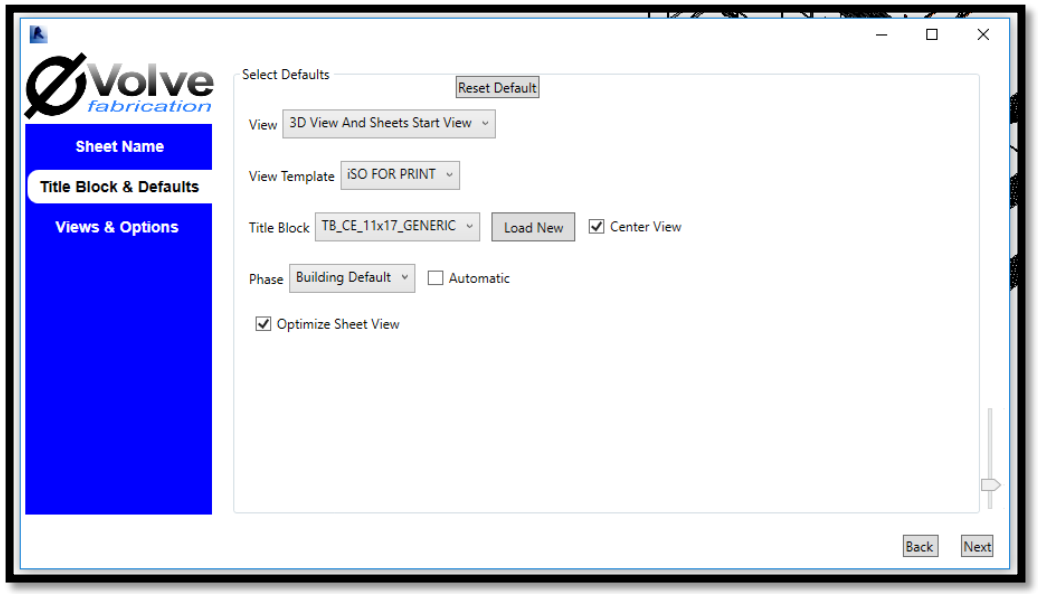

Follow steps from the previous exercise on **pages 8-9 as needed**



To assign the Prefixes select Auto prefix.



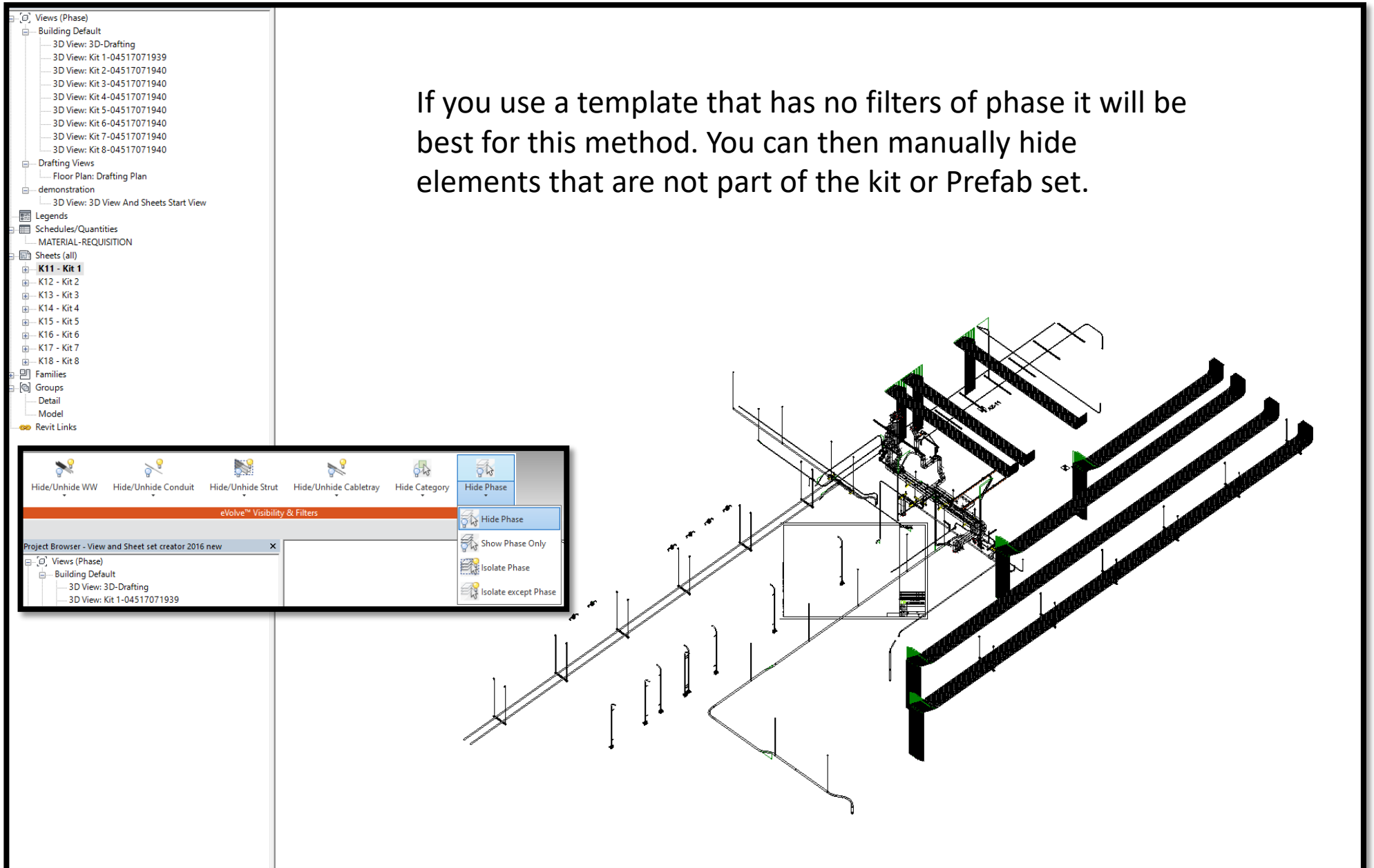
# Worksets Method




Follow steps from the previous exercise on **pages 14-22 as needed**

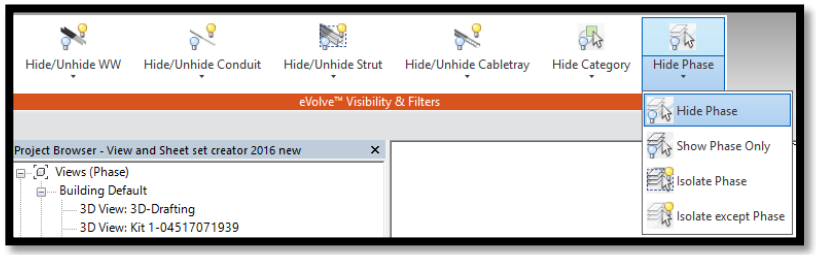
If you use a template that has no filters of phase it will be best for this method. You can then manually hide elements that are not part of the kit or Prefab set.

# Worksets Method

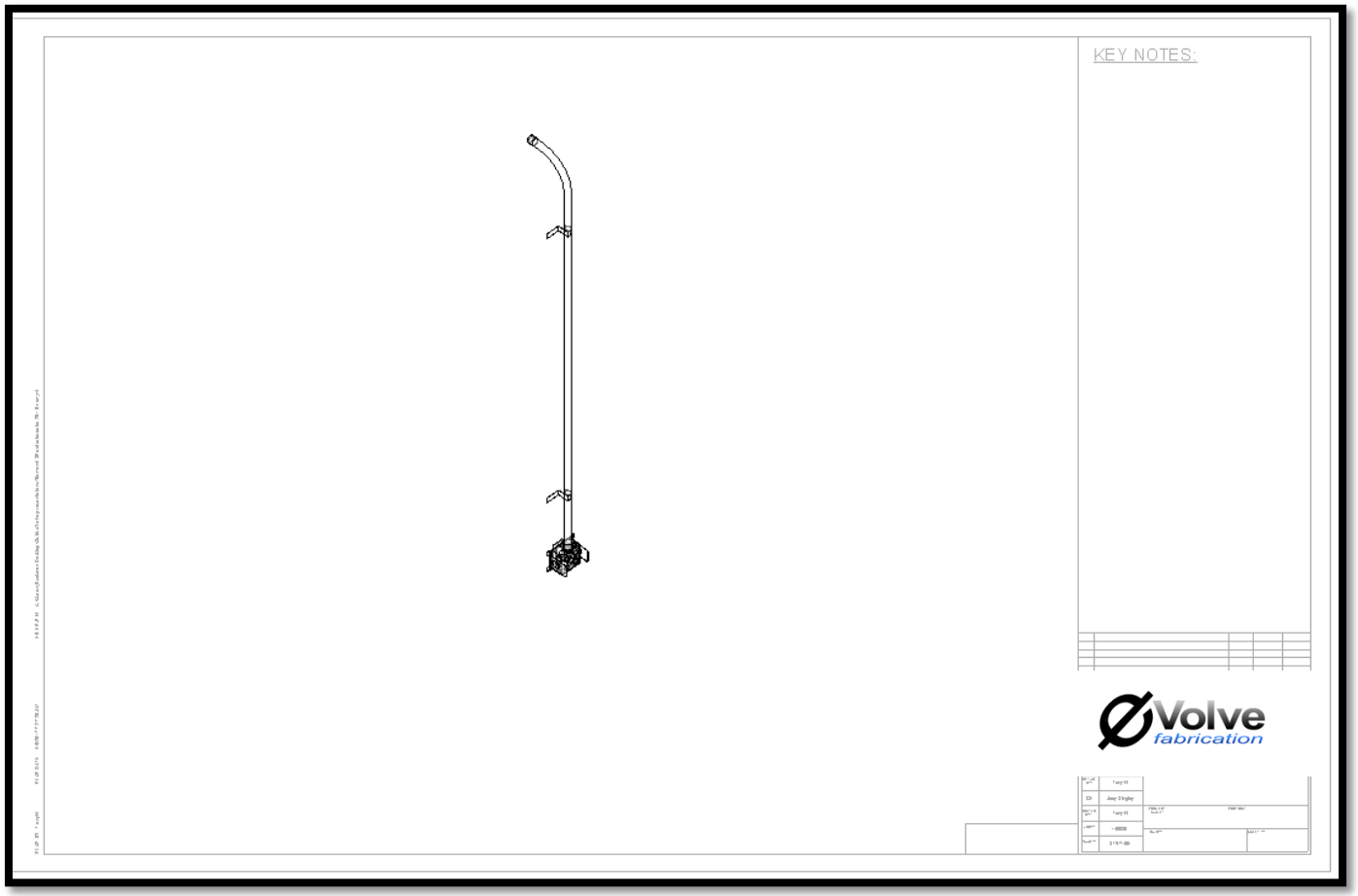



If you use a template that has no filters of phase it will be best for this method. You can then manually hide elements that are not part of the kit or Prefab set.

# Worksets Method




Use eVolve filters from the Visibilty and Filters Toolbar to quickly Show and hide elements.



Volve
fabrication