

# Workflow

Modified on: Thu, 4 Jun, 2020 at 2:46 PM

## OPTION I

### 1. Create Configuration

The screenshot shows the software interface for creating configurations. The ribbon includes options like 'Create Assemblies', 'Update Assemblies', 'Recalculate Assemblies', 'Auto Create Assemblies', 'Manage Assemblies', 'Modify SDC by Instance', 'Update by DC', 'Save SDC from Assembly', 'Edit Configuration', 'Change Configuration', 'Disassemble', 'Create/Update Detail Views', 'Purge Detail Views', and 'Delete Detail Views'. The 'Shop Drawing Configurations (SDC)' option is highlighted with a red box and an arrow.

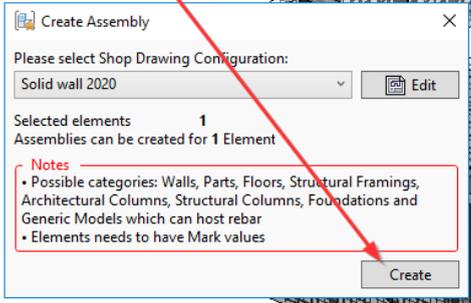
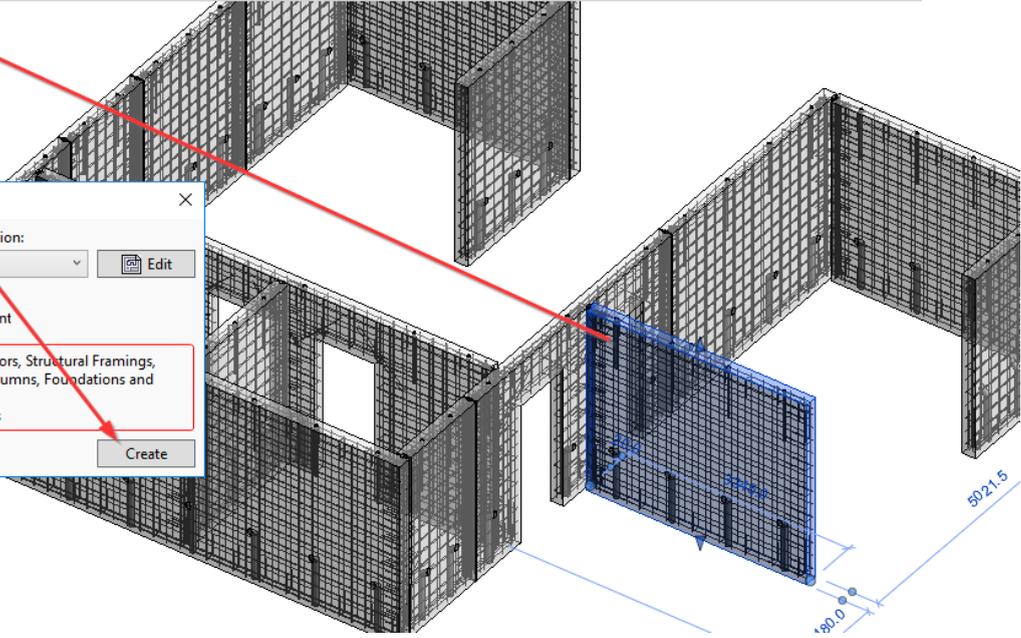
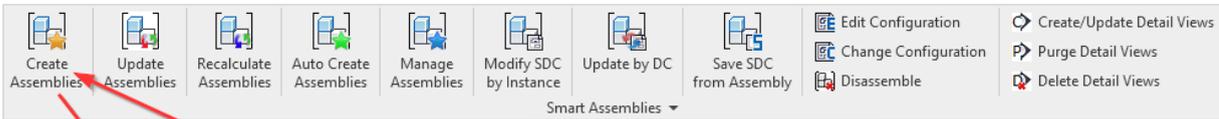
The 'Shop Drawing Configurations (SDC)' window is open, showing the configuration for 'Rebar with SA'. The window includes a 'Save and Write Current Time' button and options to 'Duplicate...', 'Rename...', and 'Delete'. The 'Assembly Views' tab is active, showing a table of configurations.

Create View	Create Detail View	View No.	View	Rotate	View Type	View Name[st]	View Template	Dimensioning Rule	Tag Elements	GP is Visible	Update Views	Views are Visible
<input type="checkbox"/>	<input type="checkbox"/>	1	3D Ortho	None	-- No Template --	3D Ortho	-- No Template --	-- None --	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	1	Plan Detail	None	-- No Template --	Plan Detail	-- No Template --	-- None --	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	1	Detail Section A	None	-- No Template --	Detail Section A	-- No Template --	-- None --	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	Elevation Front	None	-- No Template --	with single	VB_M30_with reinf	SA rebar with single	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	Plan Detail Up	None	-- No Template --	Horizontal Section Rebar	VB_M30_with reinf	Front rebar only SA rebar	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	2	Detail Section Left	None	-- No Template --	Vertical Section Rebar	VB_M30_with reinf	Front rebar only SA rebar	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	2	Elevation Front	None	-- No Template --	Front Rebar	VB_M30_with reinf	Front rebar only SA rebar	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	Elevation Left	None	-- No Template --	Left Rebar	VB_M30_with reinf	Front rebar only SA rebar	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Below the table, there are several checkboxes and options for configuration, including 'Create Detail Views only for Primary Assembly', 'Create Detail Views Later with other Command', 'Add Shop Drawing Configuration to Assembly', 'Align Assembly Front View orientation with Front View orientation in Family Editor', 'Reverse Wall Front/Back Views', 'Add Windows/Doors into Assembly', 'Rotate Views', 'Insert Gravity Point (GP)', 'Lock 3D Views', 'Tag with Leaders', 'Sync 3D View Orientation from Template', 'Lengthen Section View', 'Move Section Views Between Assembly and First Dimension', 'Shorten Section View', and 'Place Spot Dimensions in Front View'. The 'Current Configuration Location' is shown as 'C:\Users\valensa\Desktop\2021 test\sa op test\WorkshopDrawingConfigurations'.

### 2. Create Assembly

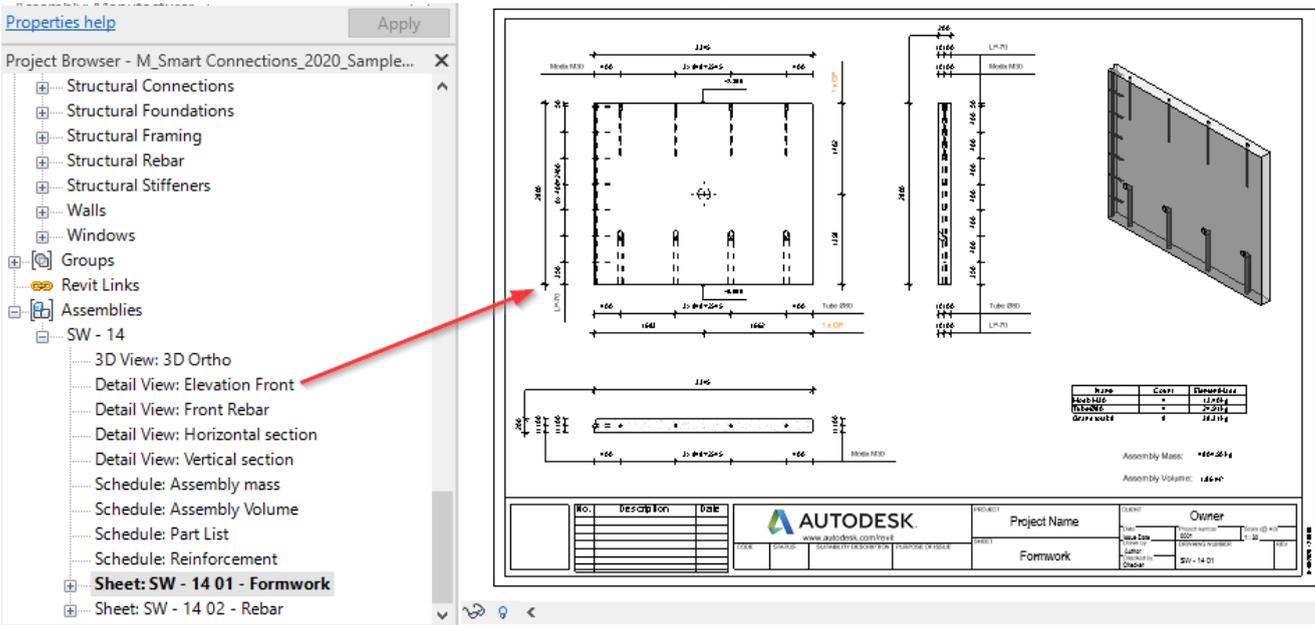
Select one element (wall, beam, floor, generic model, etc.), then click Create Assembly. Select Configuration, and click Create.



**NOTE:** It will create an assembly of instance elements with all hosted elements automatically added to its assembly. If you select 4 Wall elements, then 4 assemblies will be created.

**3. Drag & Drop views on the Sheets**

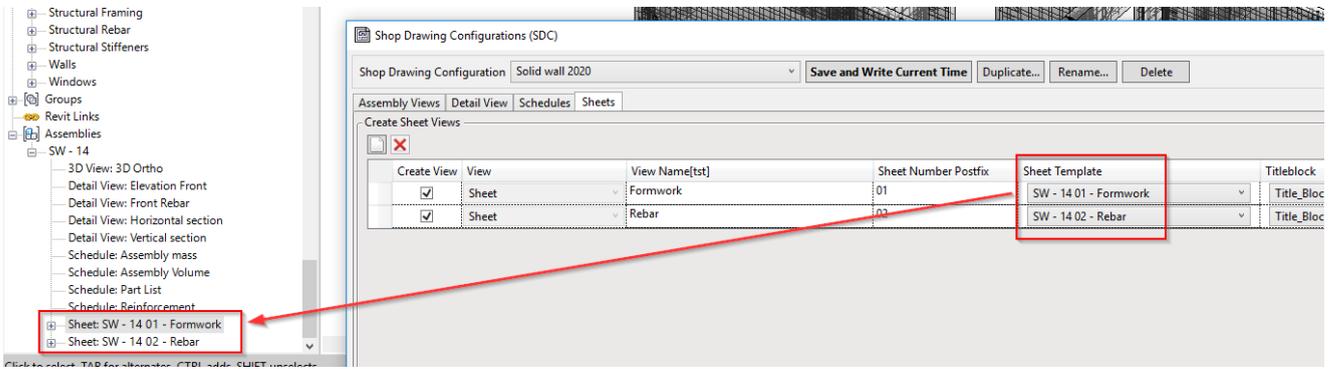
You will find new Assemblies created at the bottom of the Project Browser.



**4. Add Sheet Templates to Shop Drawing Configuration**

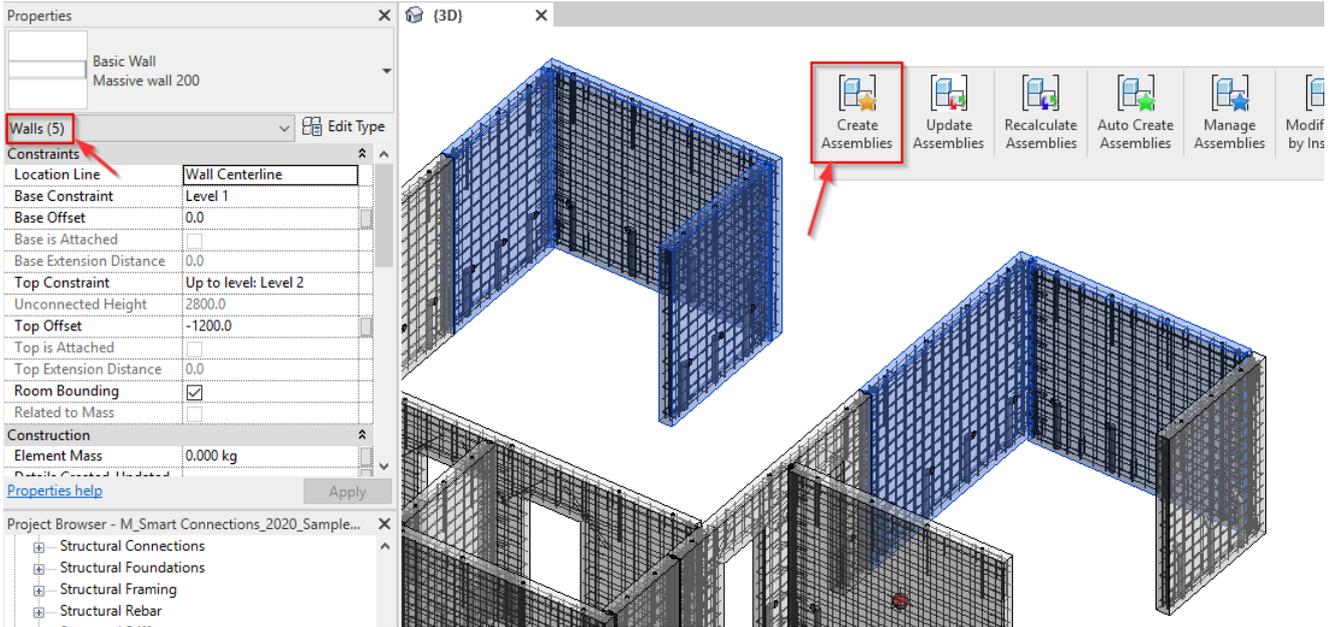
Because one assembly with sheets has already been created, the layout of Views on those Sheets can be used as Sheet Templates for future assemblies.

To modify your configuration, go to Sheets tab and select Sheet Templates.



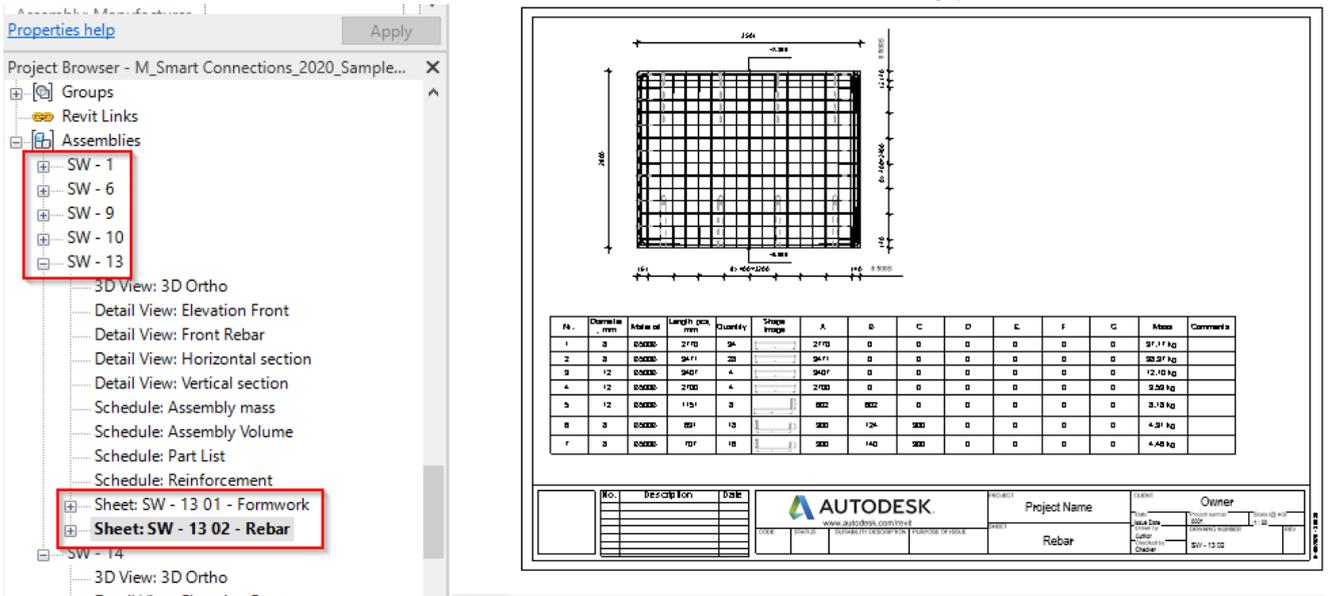
### 5. Create other Assemblies

It will also add views on the sheets, based on current Sheet Template.  
 Select as many elements as you want and click Create Assemblies.



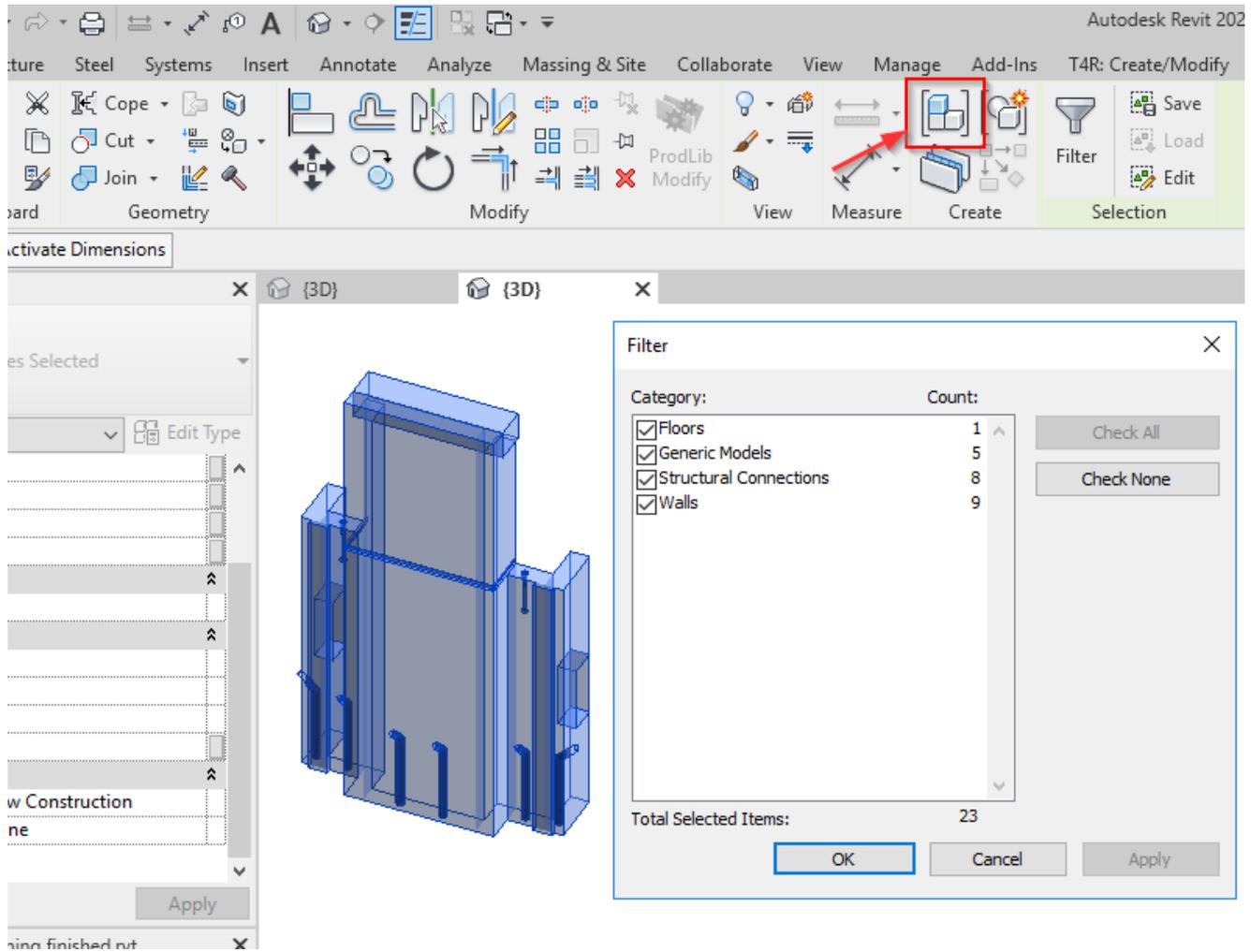
It will create as many assemblies as elements that were selected.

If 5 walls were selected, then 5 assemblies will be created with Views already placed on the Sheets.



### OPTION II

1. Select elements and Create Assembly with Revit.



2. Select the Assembly, and use Create Assemblies with selected Configuration. Then follow the steps as in Option I.

Properties

Walls Assembly  
Z-complex wall

Assemblies (1) Edit Type

Assembly Depth  
SDC

Assembly Length

Assembly Height

Identity Data

Naming Category Walls

Image

Comments

Mark

FM HostMemberSortMark

Framing Member Mass

Framing Member Descri...

Framing Member Volume

Framing Member Type

Framing Member Mark

FM S...-M...

Properties help Apply

Project Browser - M\_2020\_morning finished.rvt

Views (all)

Structural Plans

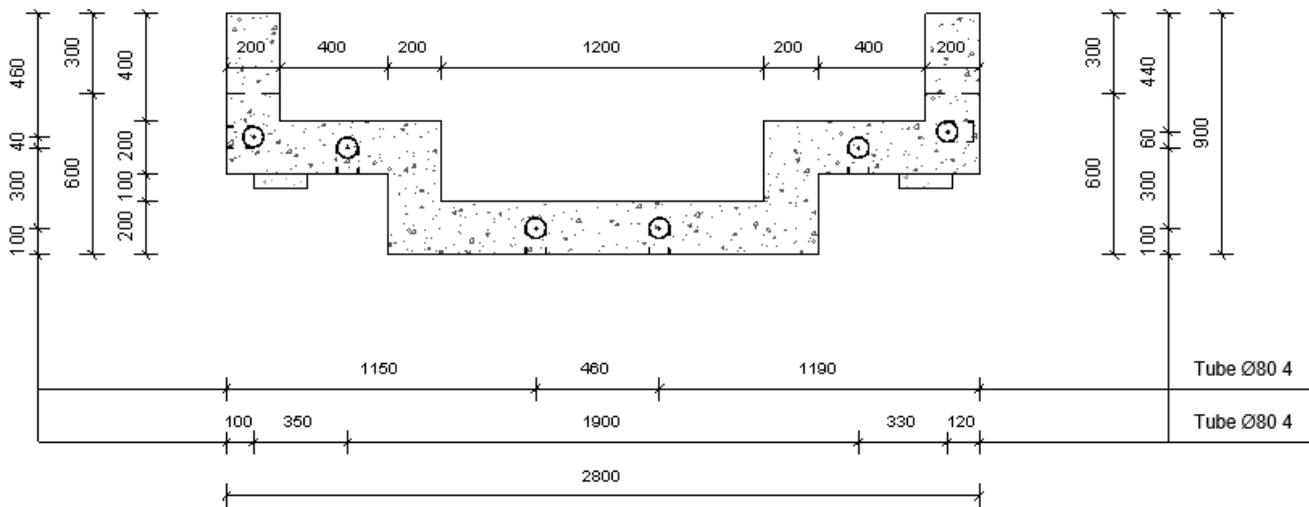
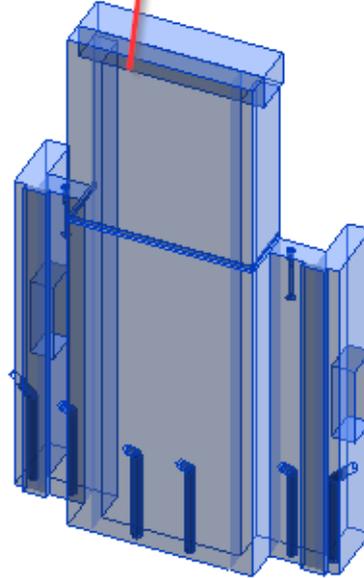
Level 1

Create Assemblies

Update Assemblies

Recalculate Assemblies

Auto C Assem



**Note:** If you want to change the orientation of the assembly, click Edit Assembly, rotate Assembly Origin (green arrow is direction of Front View), and use Update by DC.

