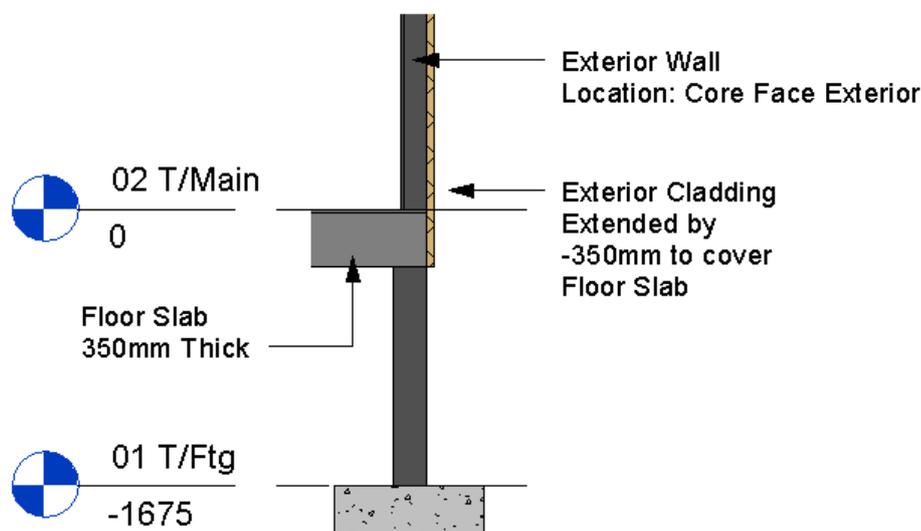# Revit Architecture 2015: Parts - Cladding

How to edit the profile of a compound wall layer.

Introduction

My previous blog for the Cadline Community (05/08/2014) outlined the steps to unlock a wall layer and extend it by a specified distance (fig1).

Fig 1: Extended Wall Cladding Layer

This White Paper will demonstrate the steps required to edit the profile of a layer in a compound wall.

Edit the Profile of the Cladding Layer

To edit a wall profile we first select the wall, click edit boundary from the green focus on the ribbon and then sketch in the desired profile with one of the draw tools, click finish, job done. When editing an individual leaf or layer in a compound wall the procedure is similar but there are a few extra steps.

➢ **Step 1:** Unlock the layer whose profile you want to edit. (Read my previous Blog on this topic as noted above).

➢ **Step 2:** Pick the wall and click the create parts tool on the ribbon (create parts forms layers or subcomponents of a selected element). In effect this makes a duplicate of the wall in exactly the same place but it now splits the duplicate up into layers where you can handpick any layer within a compound wall (use tab to cycle layers) and within each layer you can alter its profile.
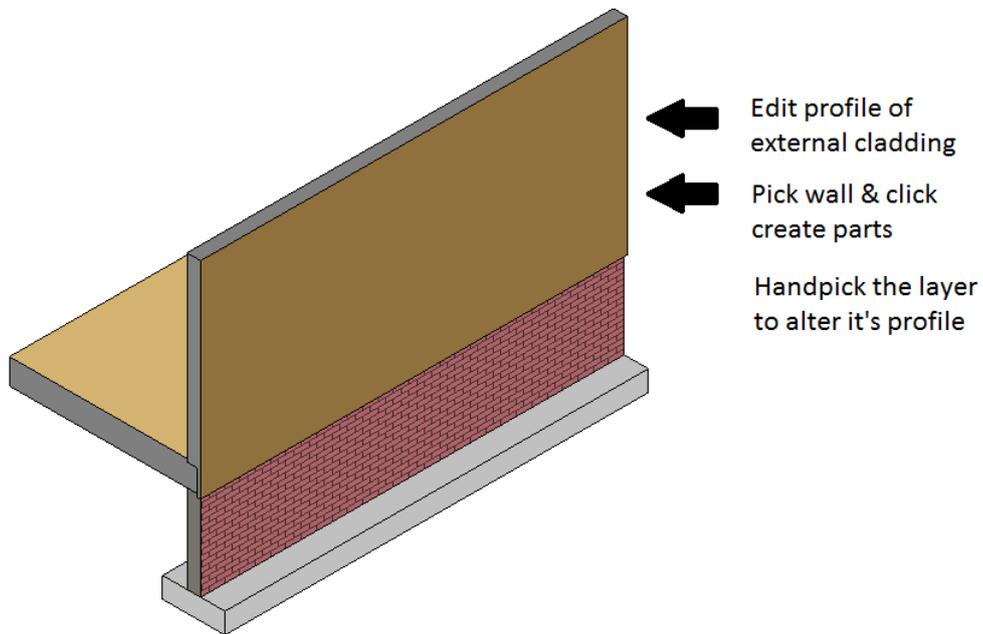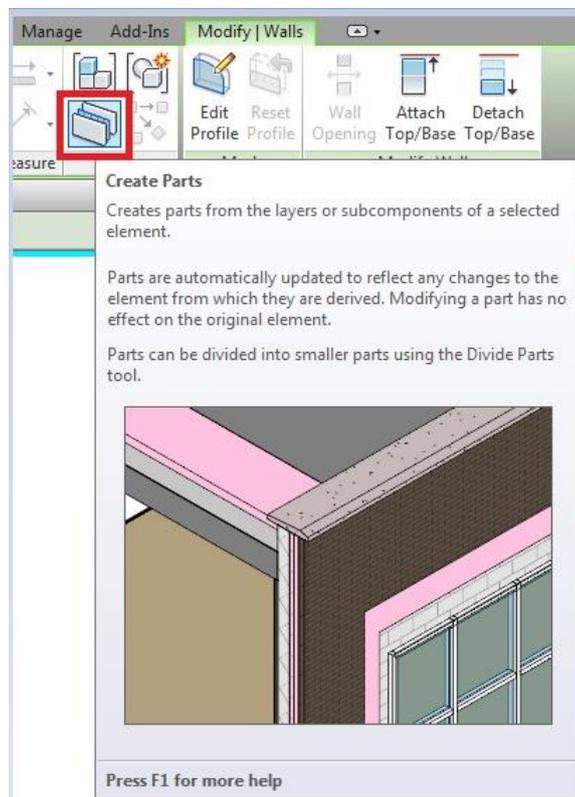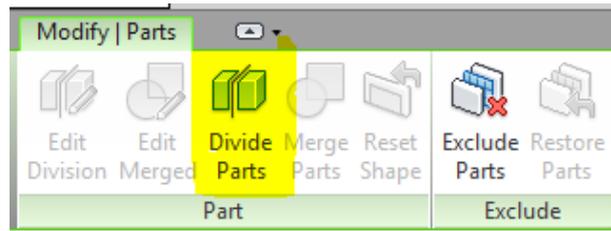
Fig 2: Part - Cladding

Edit profile of
external cladding

Pick wall & click
create parts

Handpick the layer
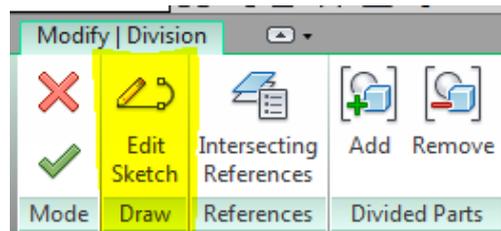to alter it's profile

Fig 3: Create Parts Tool

➢ **Step 3**: Isolate your wall and In a front perpendicular or elevation view click the divide part tool on the ribbon (set the workplane to orient with the face of the wall if necessary) and then click edit sketch
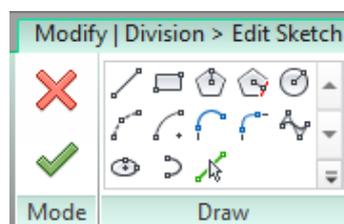
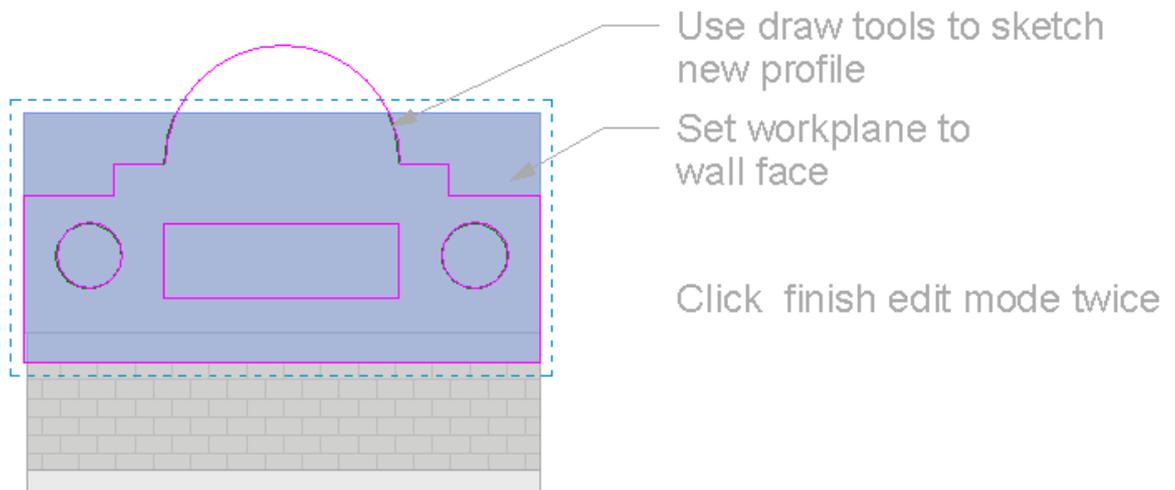**Fig 3:** Divide Parts Tool

Fig 4: Create Parts Tool

➢ **Step 4:** Use a combination of the draw tools to create a new wall profile to the external cladding and then click finish twice.
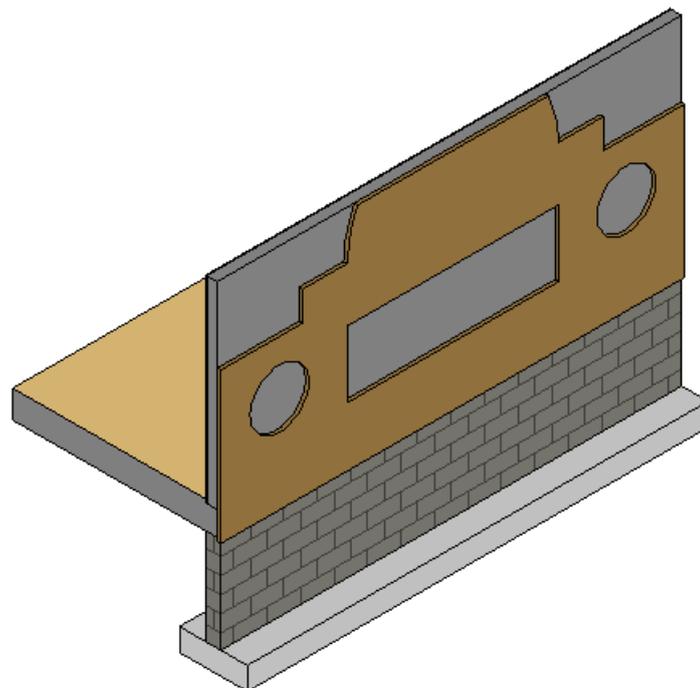
Fig 5: Draw Tools

Fig 6: New Wall Layer Profile

Use draw tools to sketch
new profile
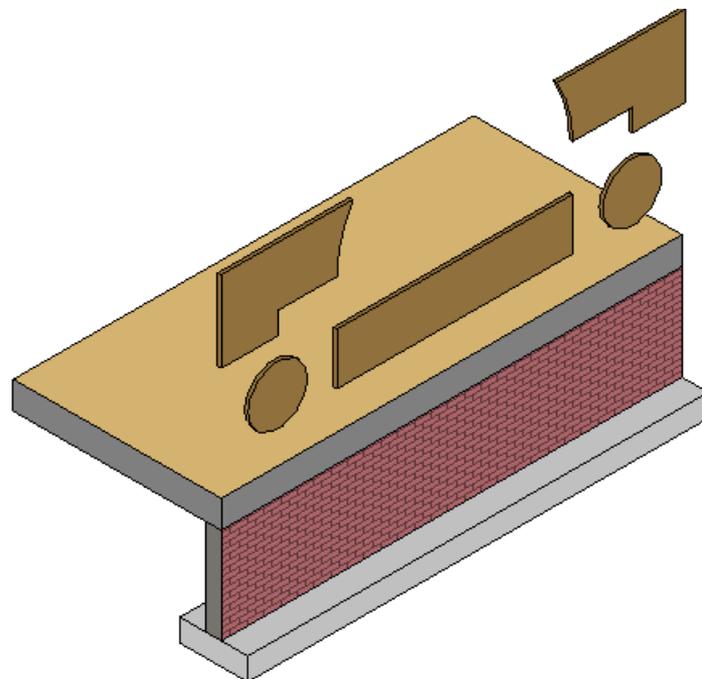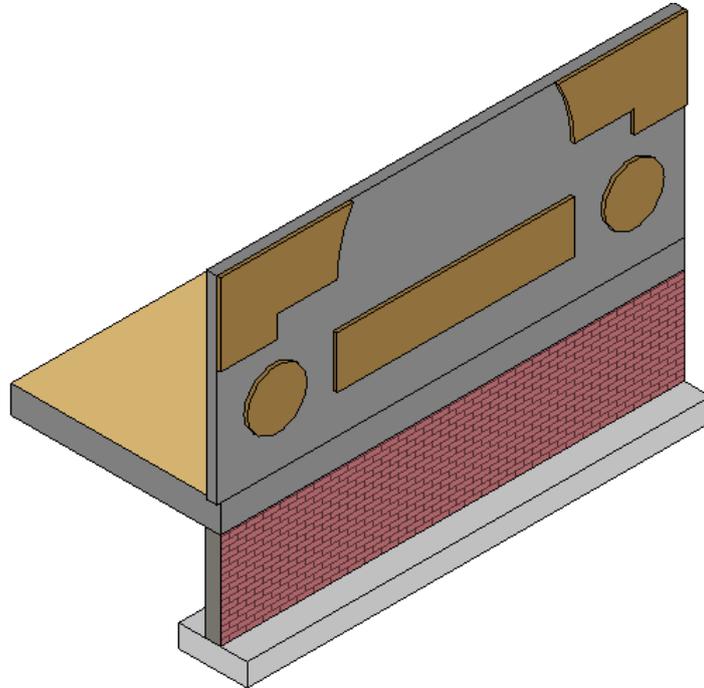
Set workplane to
wall face

Click finish edit mode twice

➢ **Step 5:** Use the exclude parts tool on the ribbon to hide subcomponents
of the wall layer whose profile you have just modified. The
results can be quite interesting depending which parts you
choose to exclude. Some variations are shown below.

Fig 7: Edited Wall Profiles

Edited Wall Profiles (cont'd)

Conclusion

You can have a lot of fun with the part tool. Remember any excluded parts will not show in material take offs.

For more Blogs, White Papers and FAQs, visit the Cadline Community: www.cadlinecommunity.co.uk (it's free).

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