Revit Fabrication Parts — Design to Spooling Lab

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Class summary

Learn to take a Revit design model thru to fabrication spools exemplifying the advantages of using a singular model.

Key learning objectives

At the end of this class, you will be able to:

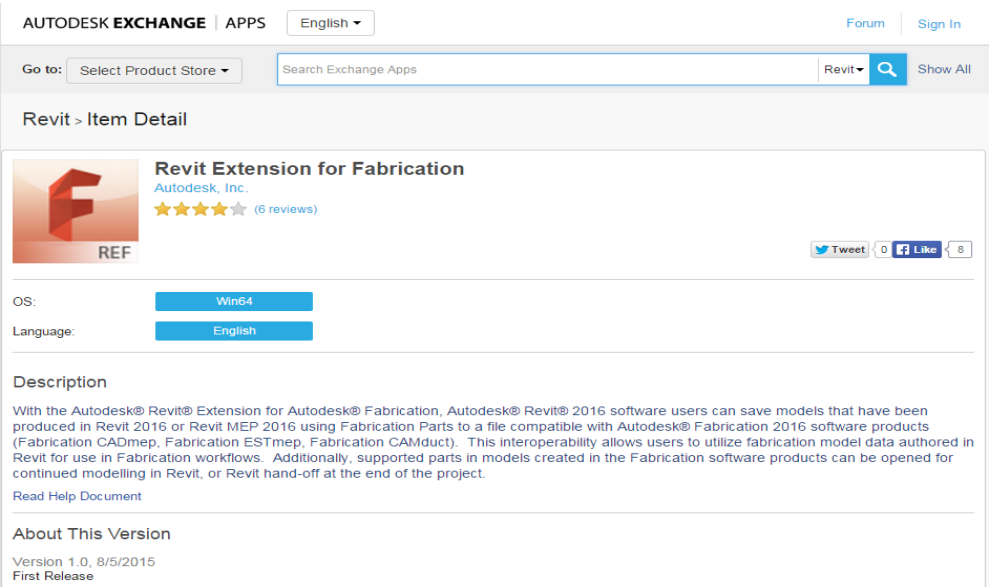
- Learn how to set up and import a Fabrication CADmep Configuration for Revit.
- Learn how to convert a design model to Fabrication Parts
- Learn how to efficiently make coordination and design changes.
- Learn how to create assemblies and schedules (Spool Drawings).

Now to Revit

Import/Exporting Fabrication Data

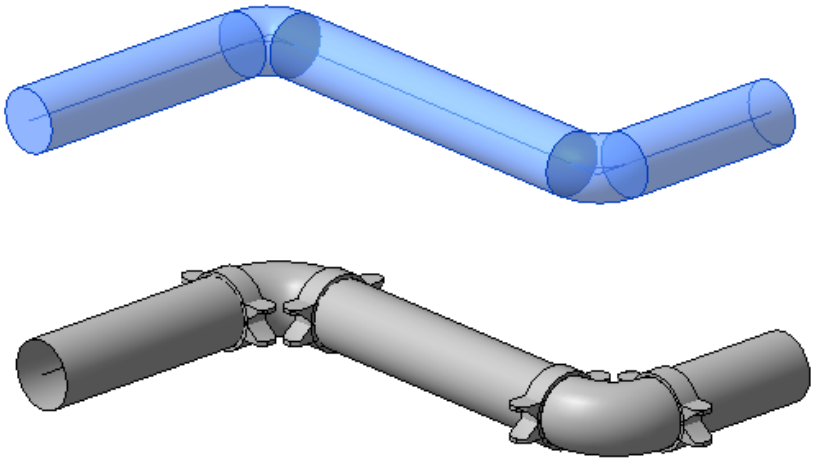
- You need the Revit Extension for Fabrication

https://knowledge.autodesk.com/support/revit-products/learn-explore/caas/CloudHelp/cloudhelp/2016/ENU/Revit-AddIns/files/GUID-4D0D796A-EDE6-4A36-8D3C-FD898975C378-htm.html



Converting Design to Fabrication

- Convert Revit system design routing to fabrication parts.



Available Fabrication Parts

- Autodesk
  - http://aec-projects.com/autodesk-fabrication/search-itm-content/
  - http://www.building3dcontent.com/
- Manufacture Website

  http://www.victaulic.com/en/downloads/cad-files-software/
- Third Party
  - Applied Software http://www.asti.com/
  - Building Data https://www.building-data.net/

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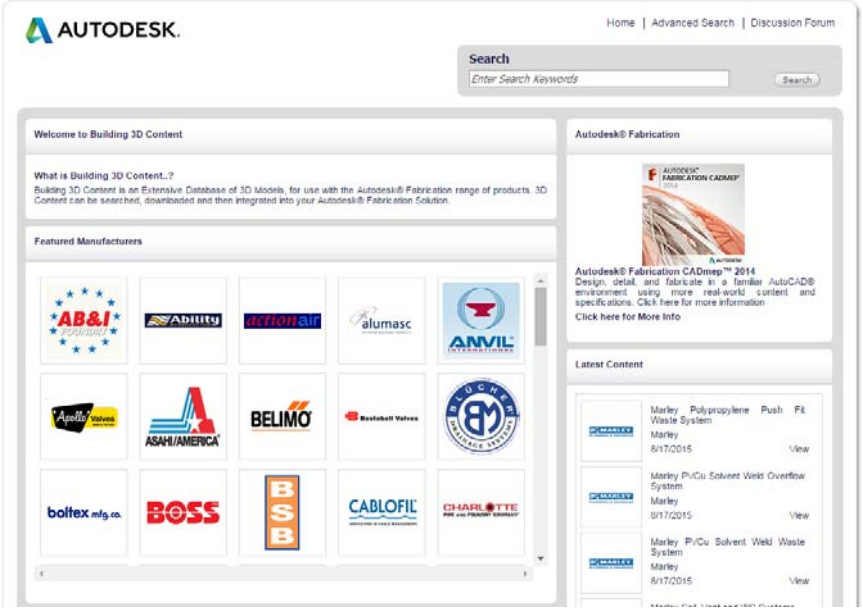

http://www.building3dcontent.com/

Updates to Fabrication for Revit 2017.1

MEP

Fabrication

Improves the alignment accuracy of straight runs when using the Optimize Straights feature.

Improves the edge line display on rising/falling insulated pipe tees.

Corrects an issue that could cause fittings to be deleted when reloading a Fabrication configuration.

Improves placement of Combo fittings in sloped pipe systems.*

Enables services to be swapped on fabrication parts if valid.

Enables quick connection tool within section and elevation views.

Improves stability when using the Quick Connect tool on transition fittings that are connected as taps.

System Browser

Improves stability when deleting items through the System Browser.

Improves stability when closing a view while the System Browser is open.

Upgrade

Improves stability when upgrading a project that contains a family with a nested pipe or duct fitting or accessory.

Fabrication Parts (Updates)

- Added model categories Revit 2017
  - MEP Fabrication Containment, Ductwork, Hangers, Pipework
- Ability to resize routing Revit 2017.1
- Ability to swap fittings – Revit 2017 and better for 2017.1
- Added trim/extend editing – Revit 2017
- Added hidden lines – Revit 2016 R2
- Awesome Tagging for - Revit 2017 (Elevation at location)

Fabrication Parts (Updates)

- Improved AutoCAD Exports - Revit 2016 R2
- Route and Fill auto routing – Revit 2017
- Automatic cut in of tees, valves, or taps – Revit 2016 R2
- Slope routing improvements – Revit 2017

Questions?

How did I do?

- Your class feedback is critical. Fill out a **class survey** now.
- Use the AU mobile app or fill out a class survey online.
- Give feedback after each session.
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