



Exporting from Autodesk® Revit® to Autodesk® AutoCAD® for Collaboration: (Speaker: Milton Fitzgerald Jr)

MP1654-R

This class will cover the task of sharing **Revit®** data with various groups involved with building and maintenance of an existing, or new structure by exporting out to **AutoCAD®**. The class is primarily aimed at helping "Designers and BIM managers that frequently are asked to share data but are not sure about the process. Also, this should include Facility managers, Project managers, Marketing Engineers and Sub Contractors that need to share their data. Typically this task should also be done by the beginning CAD user or BIM user that is looking to move ahead to become an advance user.

. Come to this roundtable for a discussion on best practices for sharing information.

Learning Objectives

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

- Export Revit software files in DWG format for collaboration with other trades
- Explain the collaboration process and set a standard for your company or trade
- Describe or explain this process in a way that ensures that you can get the proper files to work with
- Discuss collaboration challenges and options

About the Speaker

Milton is current working as a full-Time Engineering Assistant / Graphic Cad Drafter providing support for graphics and sales for the Building Technologies Division of Siemens. He has been at Siemens for over 10 years, attended college and graduated 2007. In 2008 Milton also began also working as a consultant, [Fitz' Digital Cad Service L.L.C.](#) and has also provided technical support for several start-ups and started getting a few of his support tips or tricks published (**Cadalyst Magazine**, 2006, and 2009) ([Cadalyt Tips & Tools Weekly \(Vol. 11, No. 41\) 2006\(Link\)](#) & [Cadalyt Tips & Tools Weekly \(Vol. 14, No. 27\) 2009\(Link\)](#))

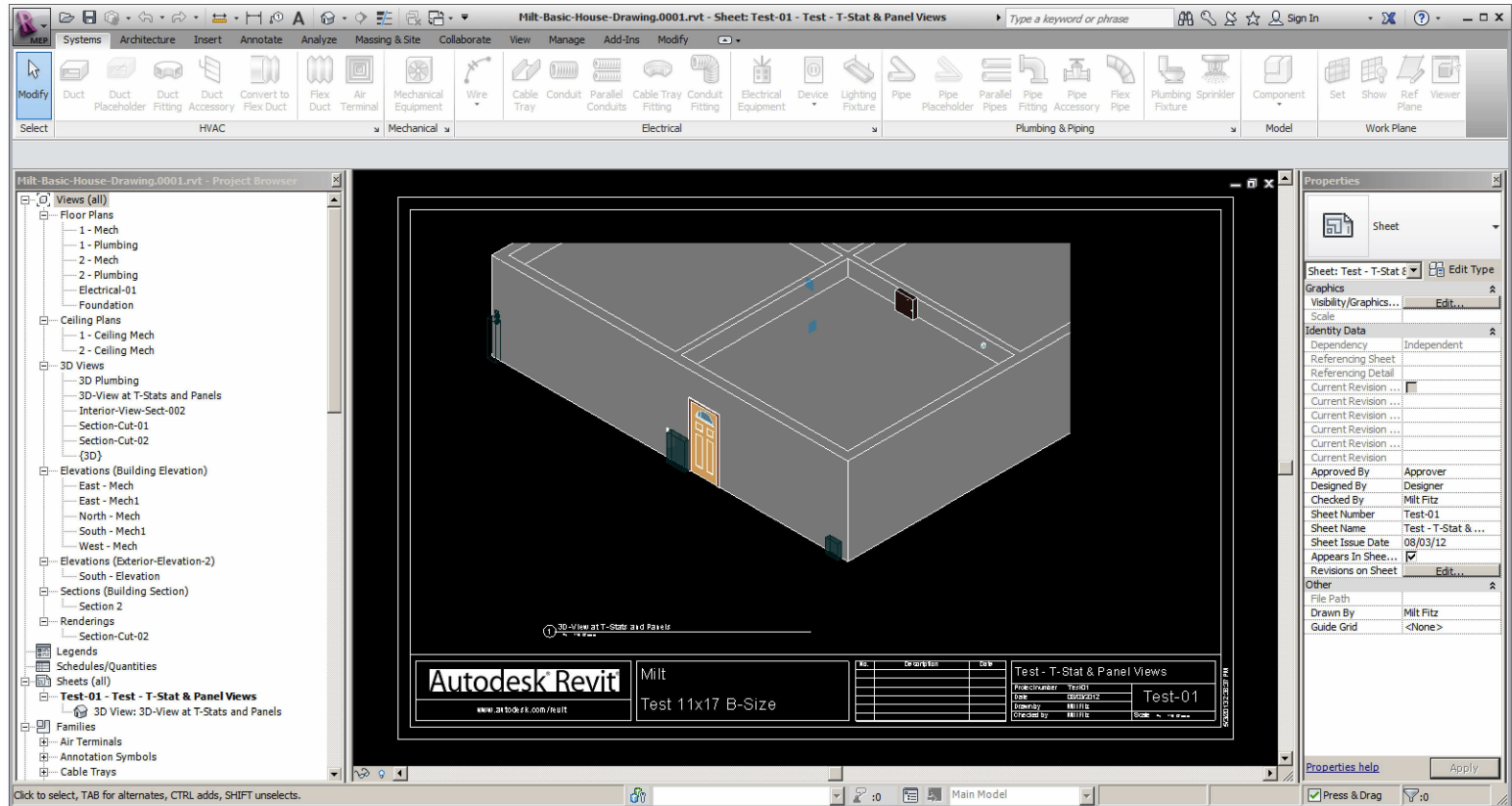
Prior to Milton's tenure at Siemens he also worked briefly as an AutoCAD Instructor for Lincoln Technologies (LTI) now known as Cittone Institute, and for 15 years +/- worked in the concrete industry mainly as an on-board draftsman.

Outside of his normal work and business career the main hobby of choices for Milton has been bowling, participating in a few of the ABC's and USBC tournaments and participating in military wind ensembles called "drum and bugle corps." He has been involved with both for over 30 years and currently resides in New Jersey.

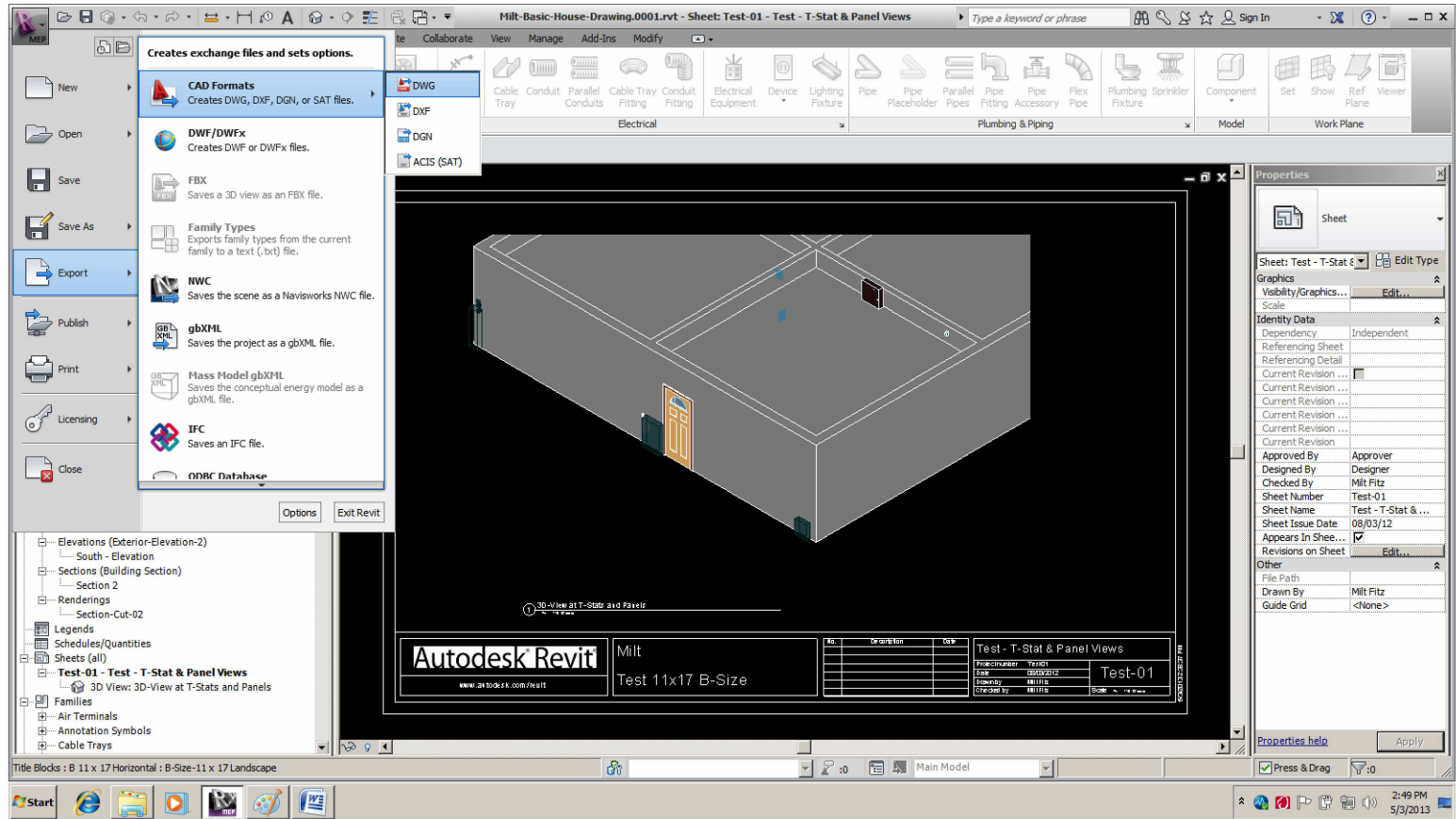
Email: FitzDigitalCadService@gmail.com - & - drafter1981@msn.com

Exporting from Revit to AutoCAD for Collaboration purposes:

To Export Revit Files from existing Sheet set view:

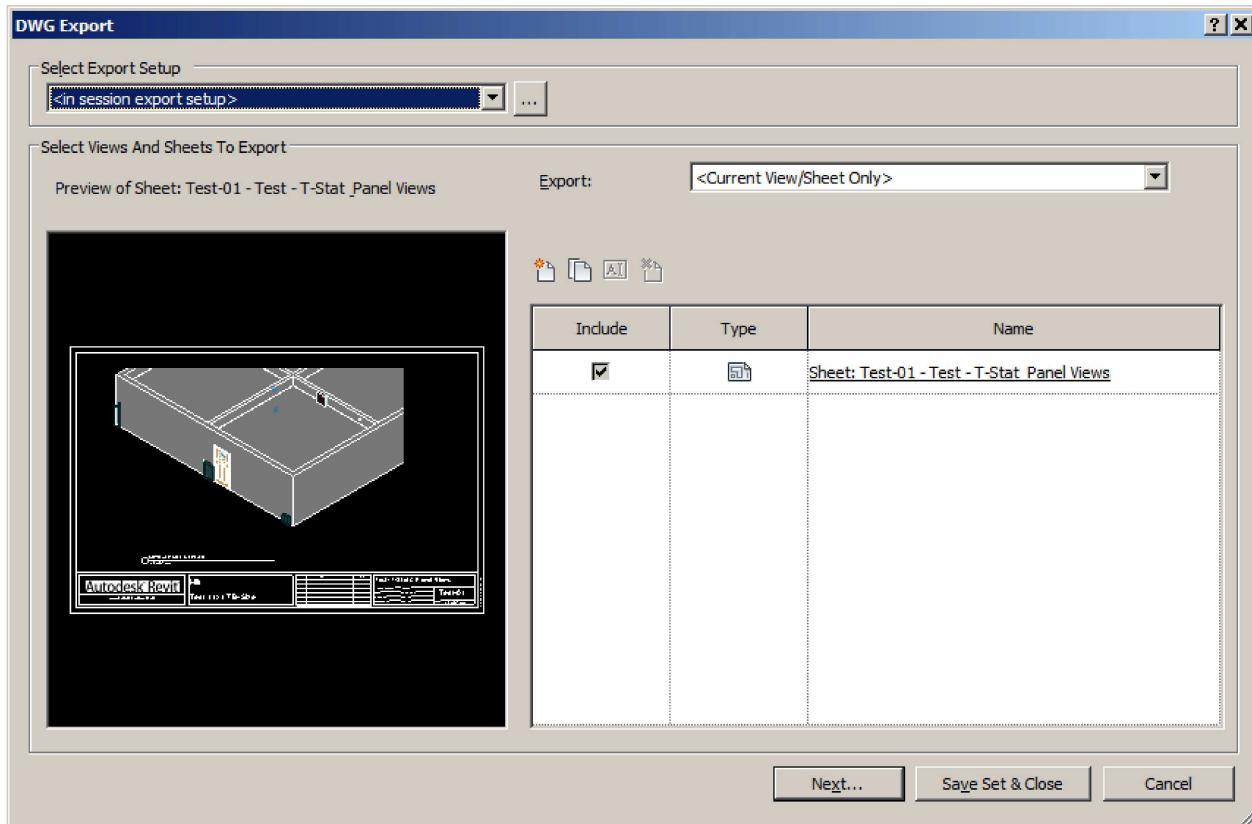


Search for the "Export to DWG" Tab:

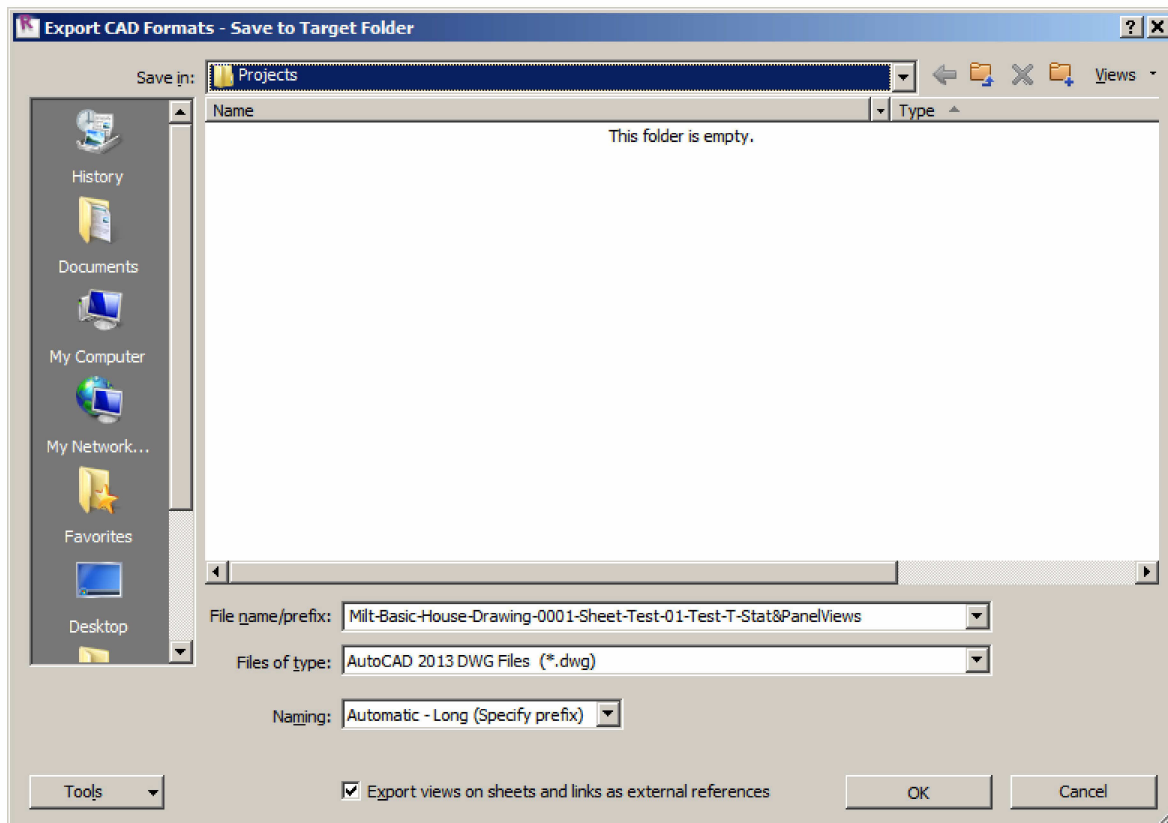


Exporting from Revit to AutoCAD for Collaboration purposes:

Once you get to the **DWG Export Dialog Box** just use the options as noted (look at arrows, or bullets):

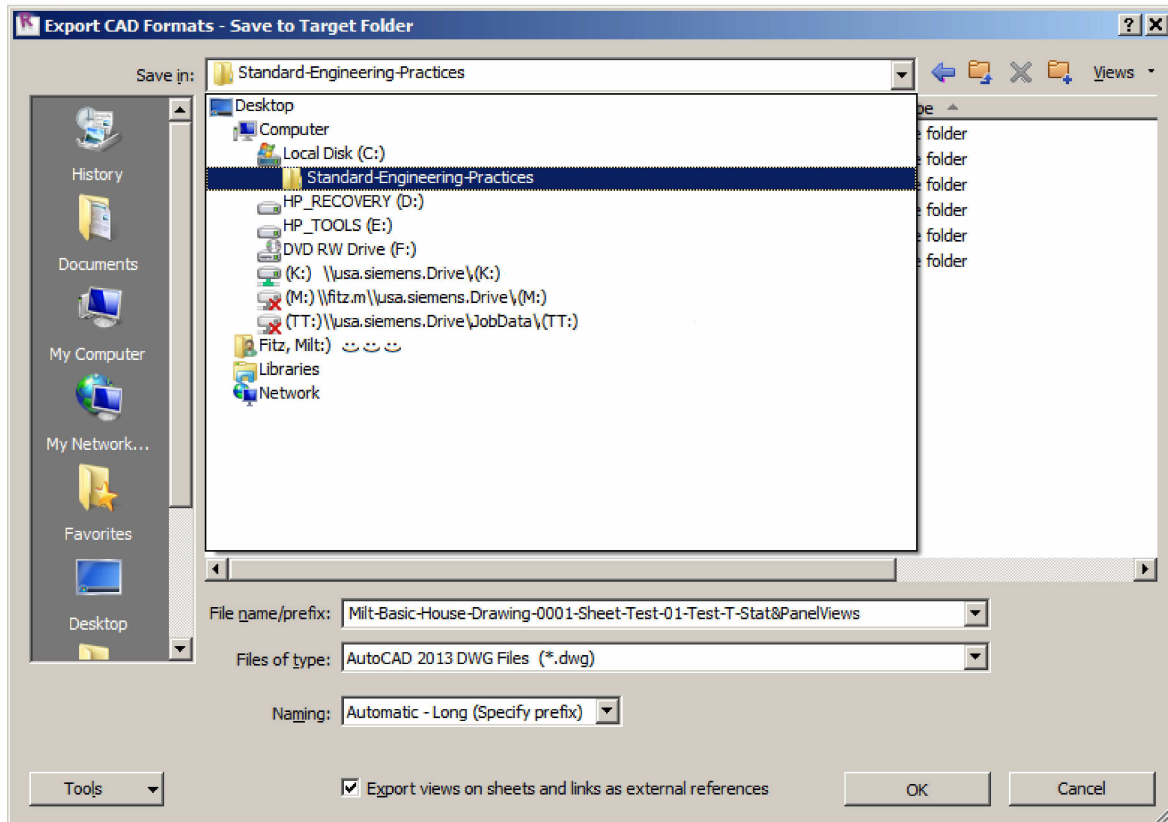


The default folder is Revit "Projects".... (you may want to change this):

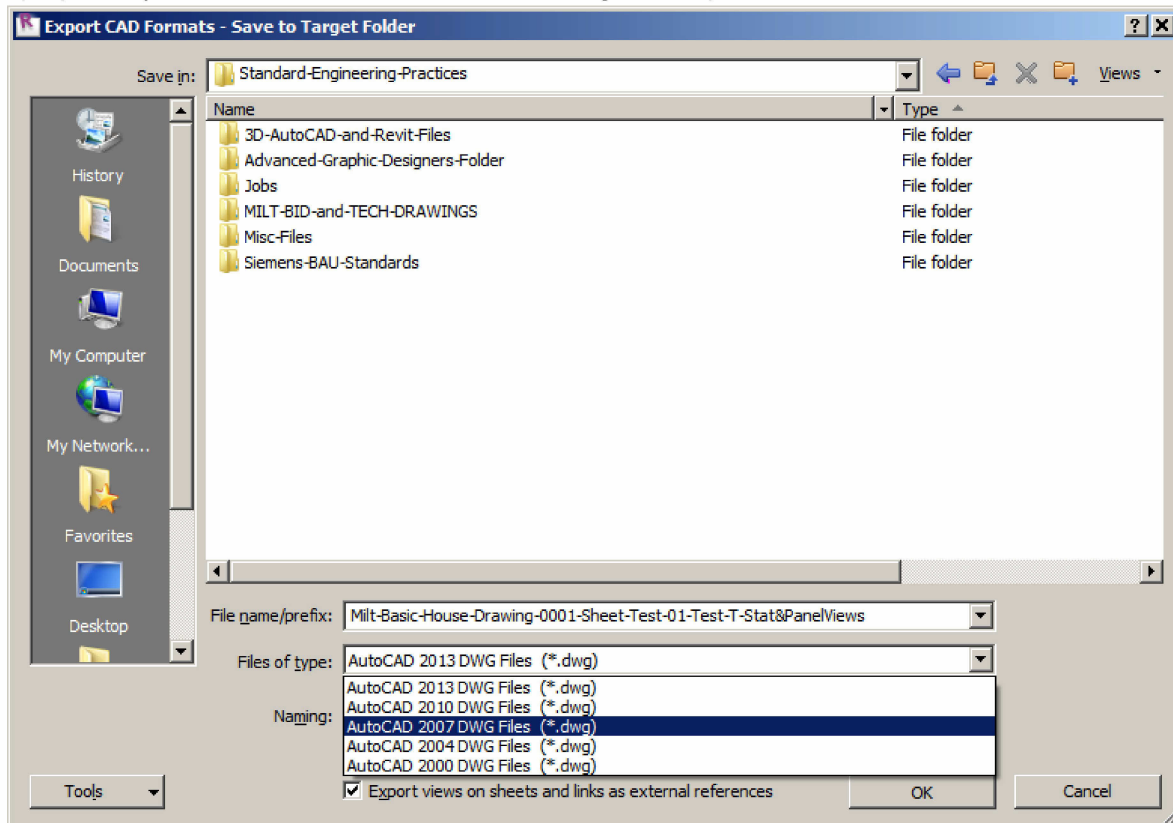


Exporting from Revit to AutoCAD for Collaboration purposes:

This is the file location I prefer to use:

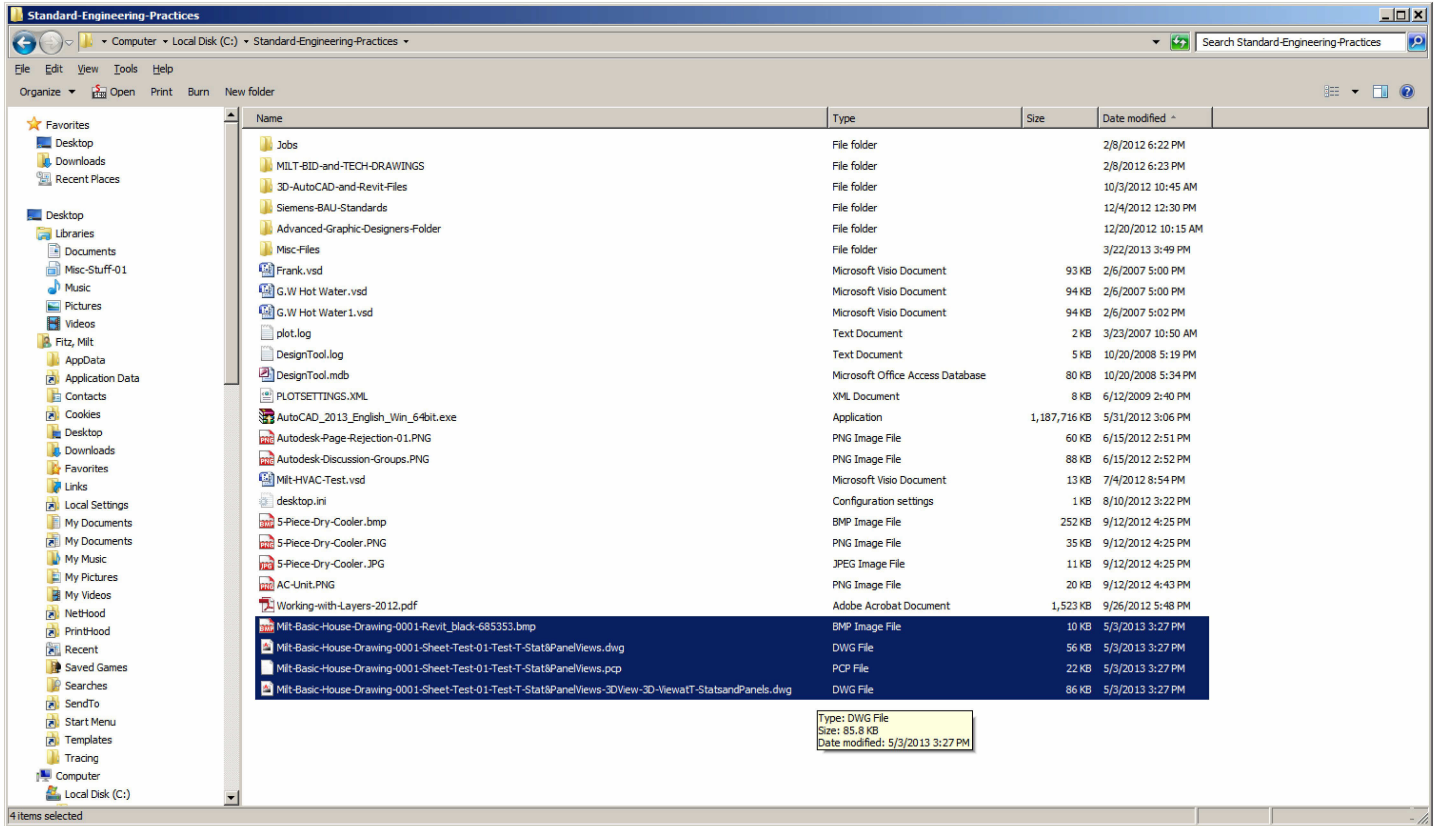


Also, keep in mind, you may want to knock these down to a "Lower version of AutoCAD" (Especially since we are not sure who is using the file):

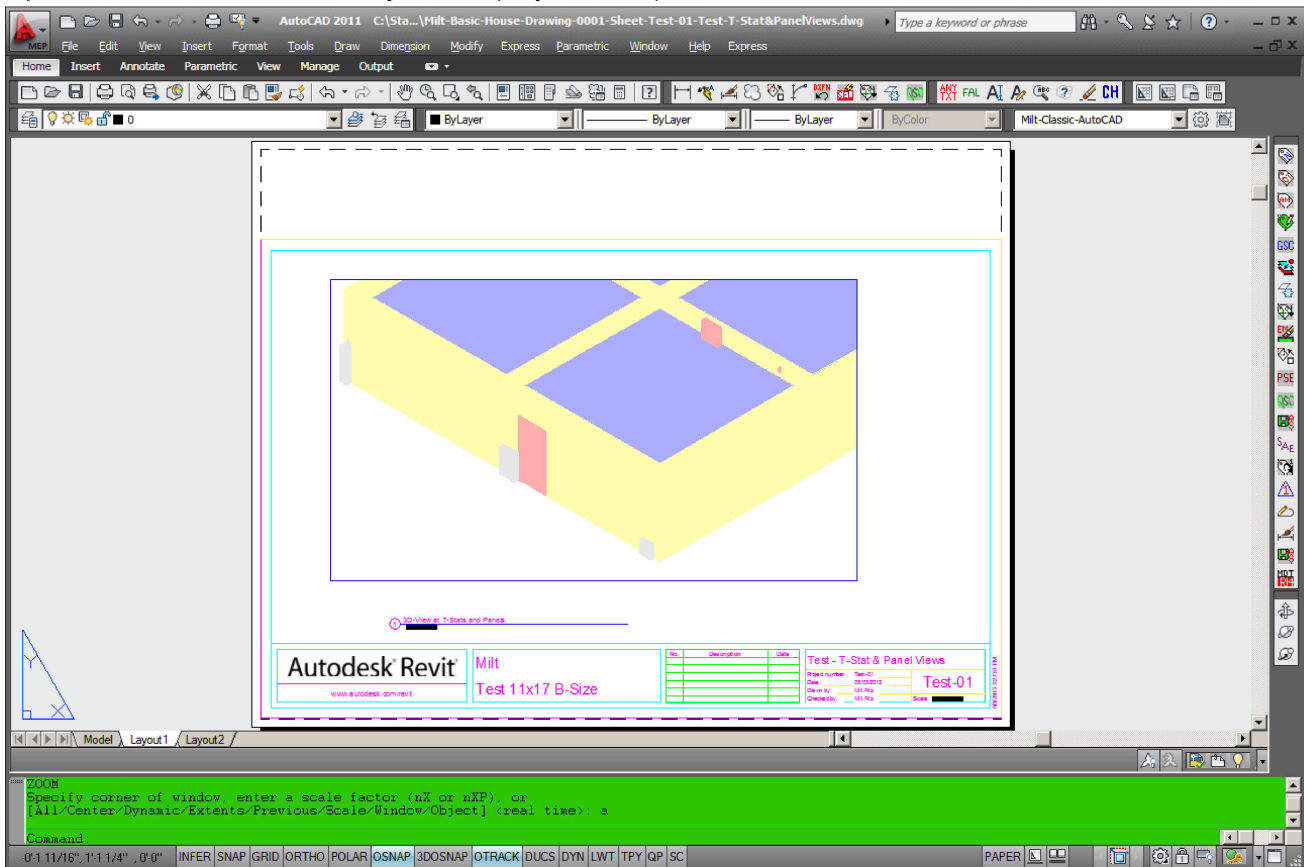


Exporting from Revit to AutoCAD for Collaboration purposes:

Here are the **"NEW ACAD FILES"** including the **"XREF's"**:

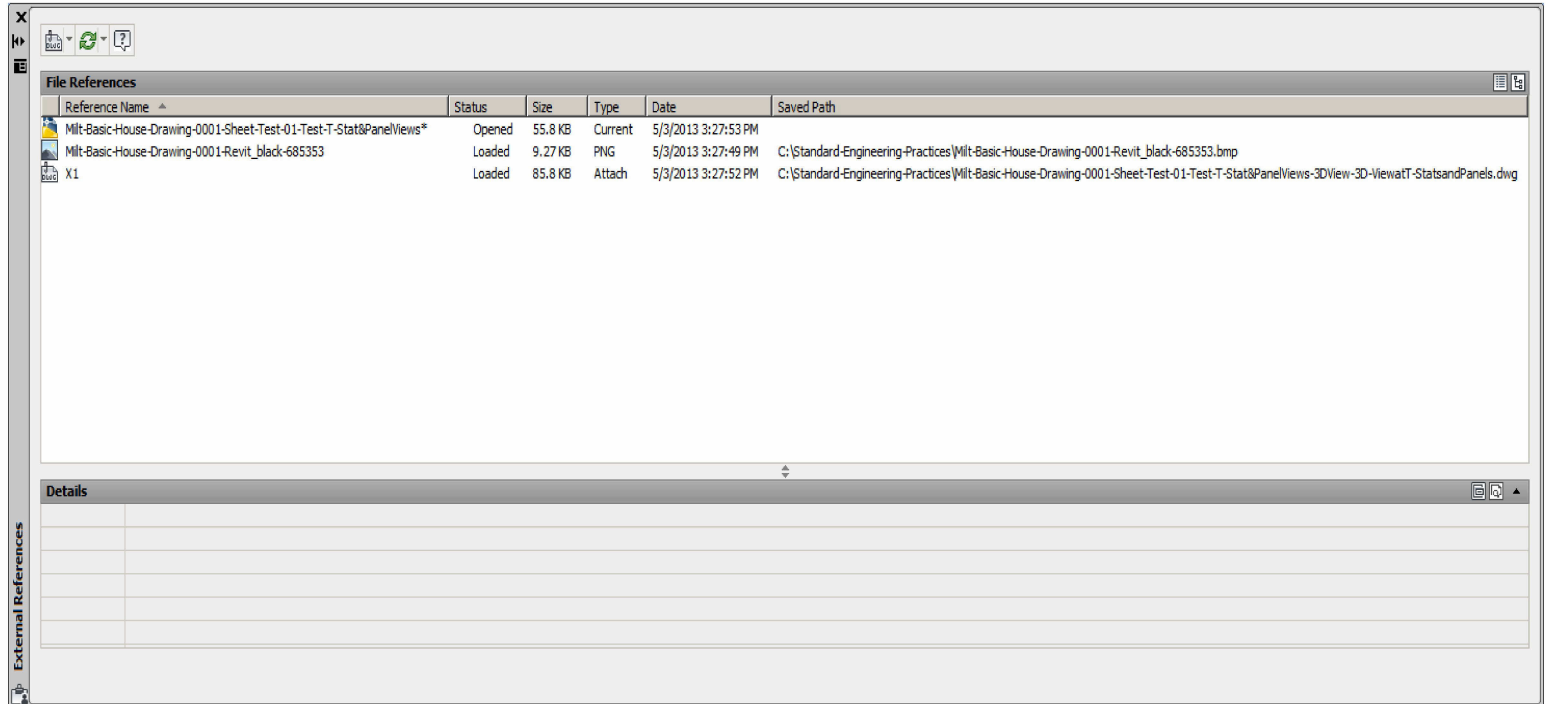


Here is the **"Exported Revit File"** now as a **2D AutoCAD drawing**,
Paperspace View Shown, for Clarity Sake, (Layout1 tab).



Exporting from Revit to AutoCAD for Collaboration purposes:

As you can see (refer to dialog box) the **"Xref"** files will come in automatically:



A few things to consider...

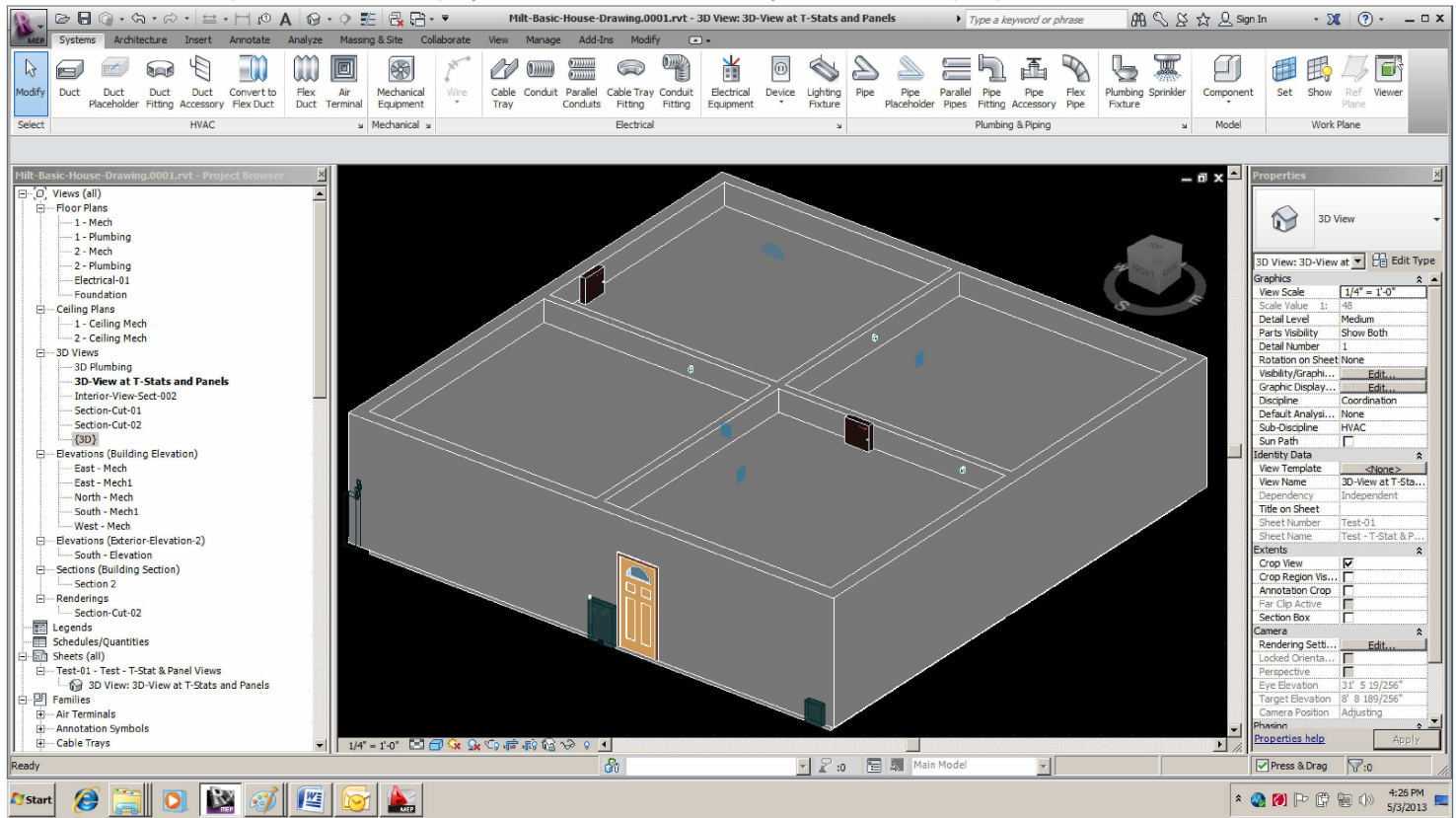
- 1.) Whatever "View" you decide to export, from the Sheet sets, you will only get "2D" flat drawings.
In other words the Sheet sets are usually in 2D
- 2.) Your exported files (the XREF's) will still need to be attached or "Binded"
(as an insert) in order for you to work with them in AutoCAD.

Without "Binding the attachment" you might as well be working with the customers PDF files.

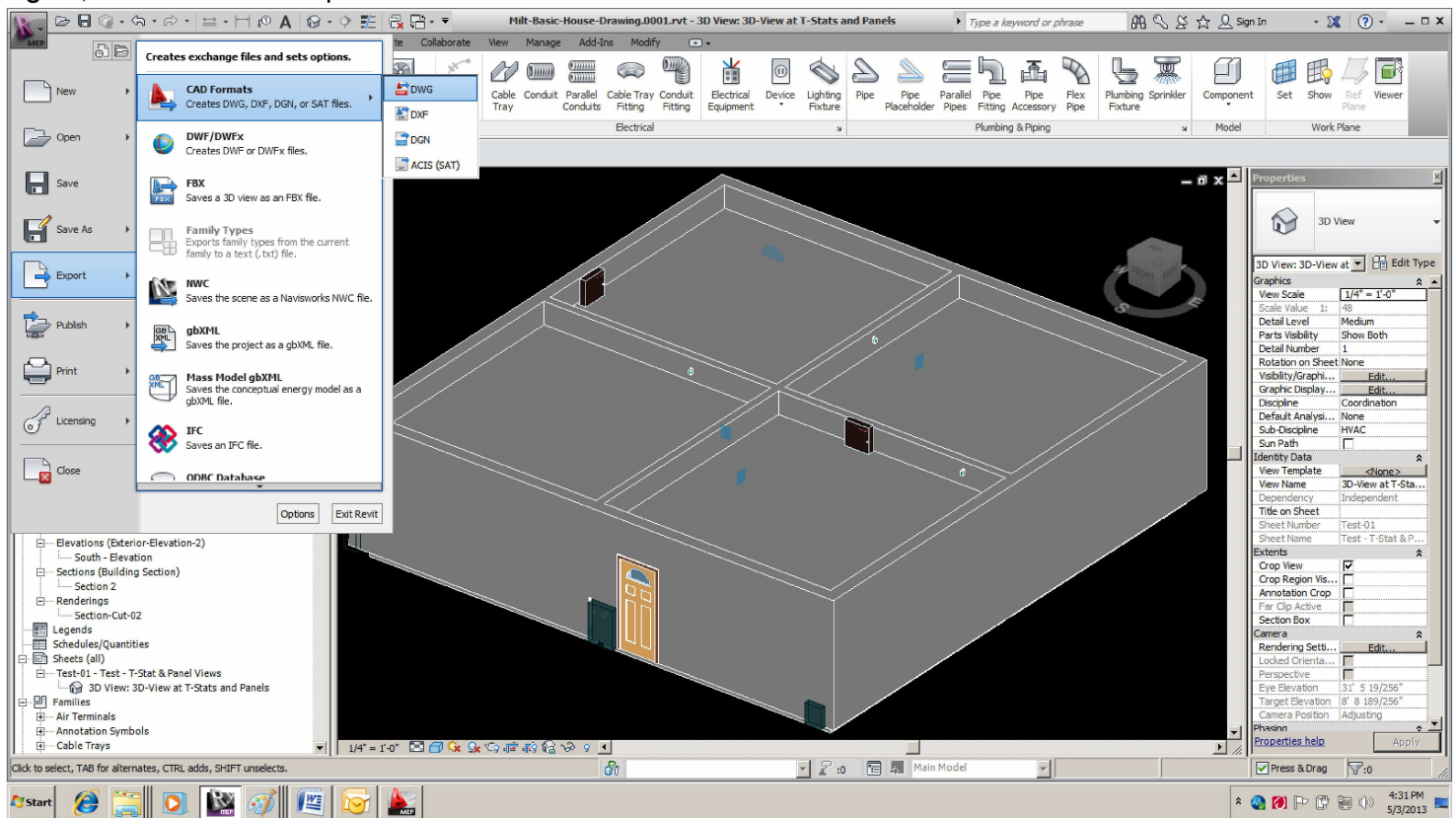
Exporting from Revit to AutoCAD for Collaboration purposes:

To Export Revit Files from a Standard 3D view:

So far the same procedure, except you want to make sure you are in the proper view

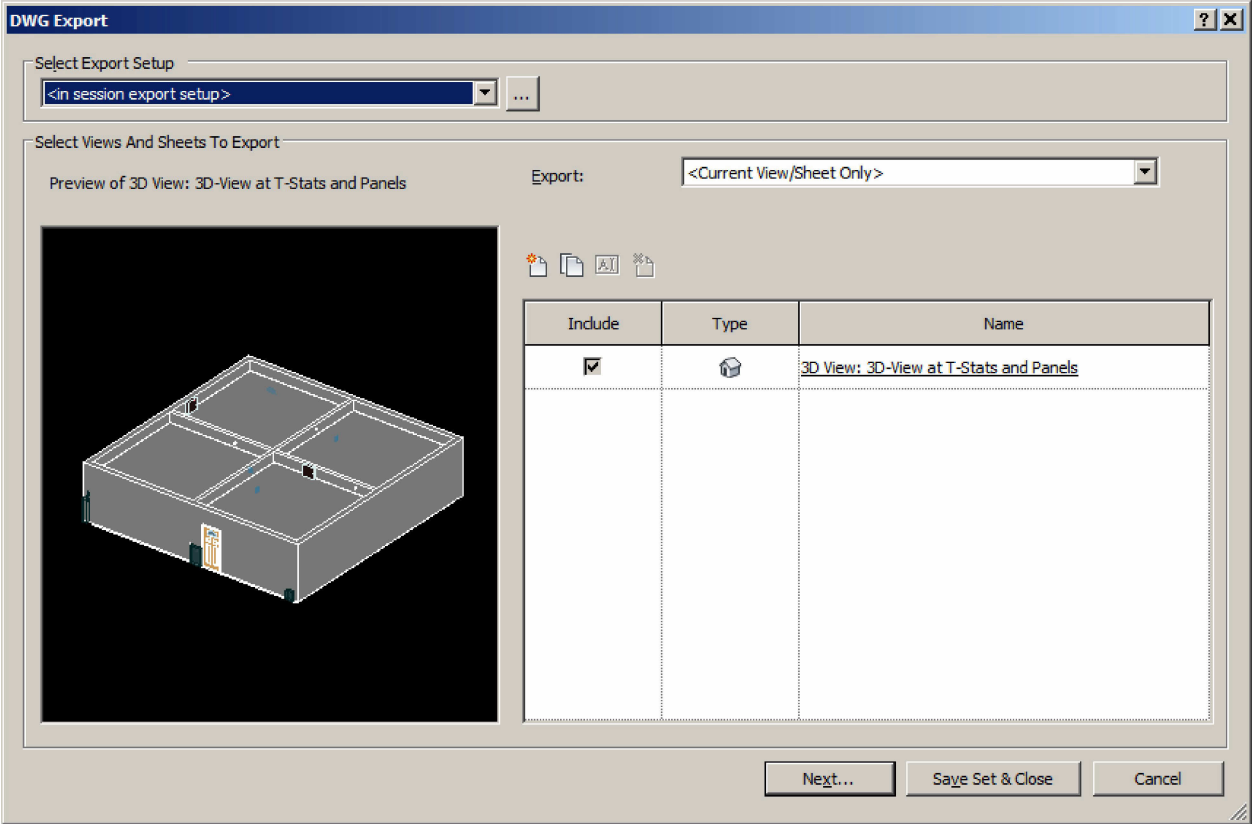


Again, search for the "Export to DWG" Tab:

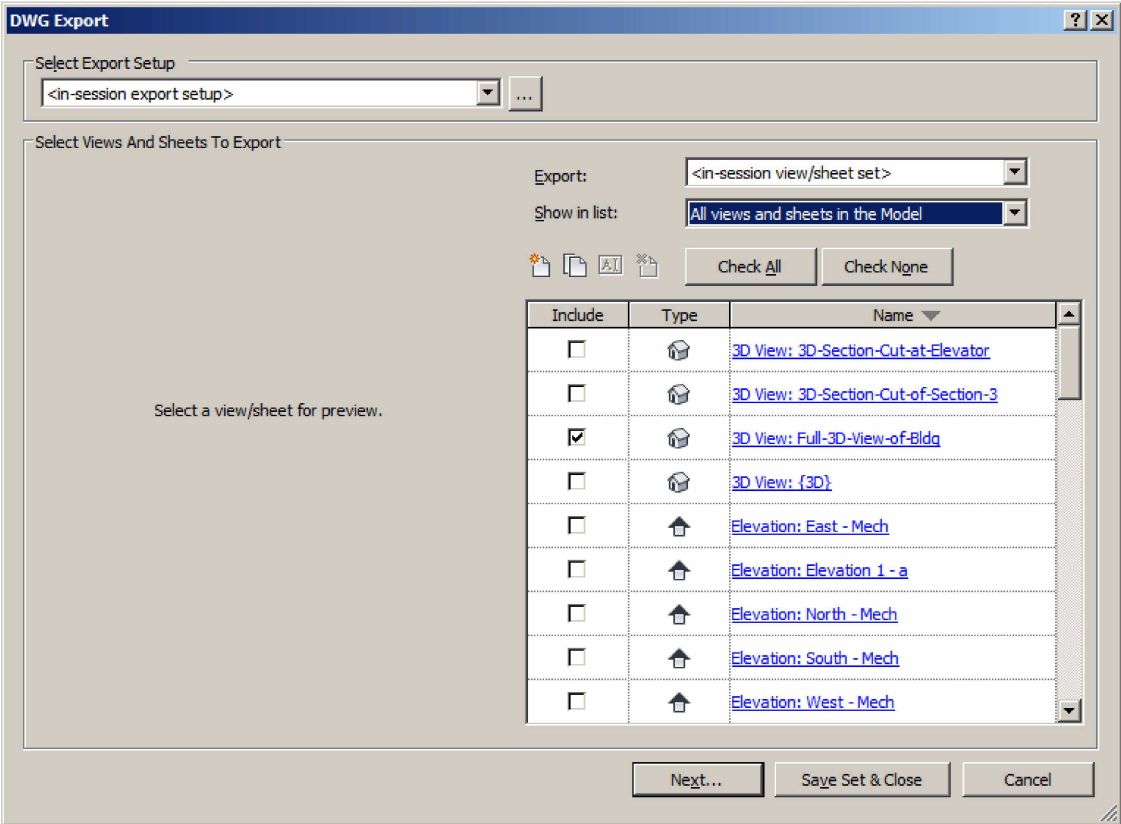


Exporting from Revit to AutoCAD for Collaboration purposes:

In this session we will just touch upon the options you can set



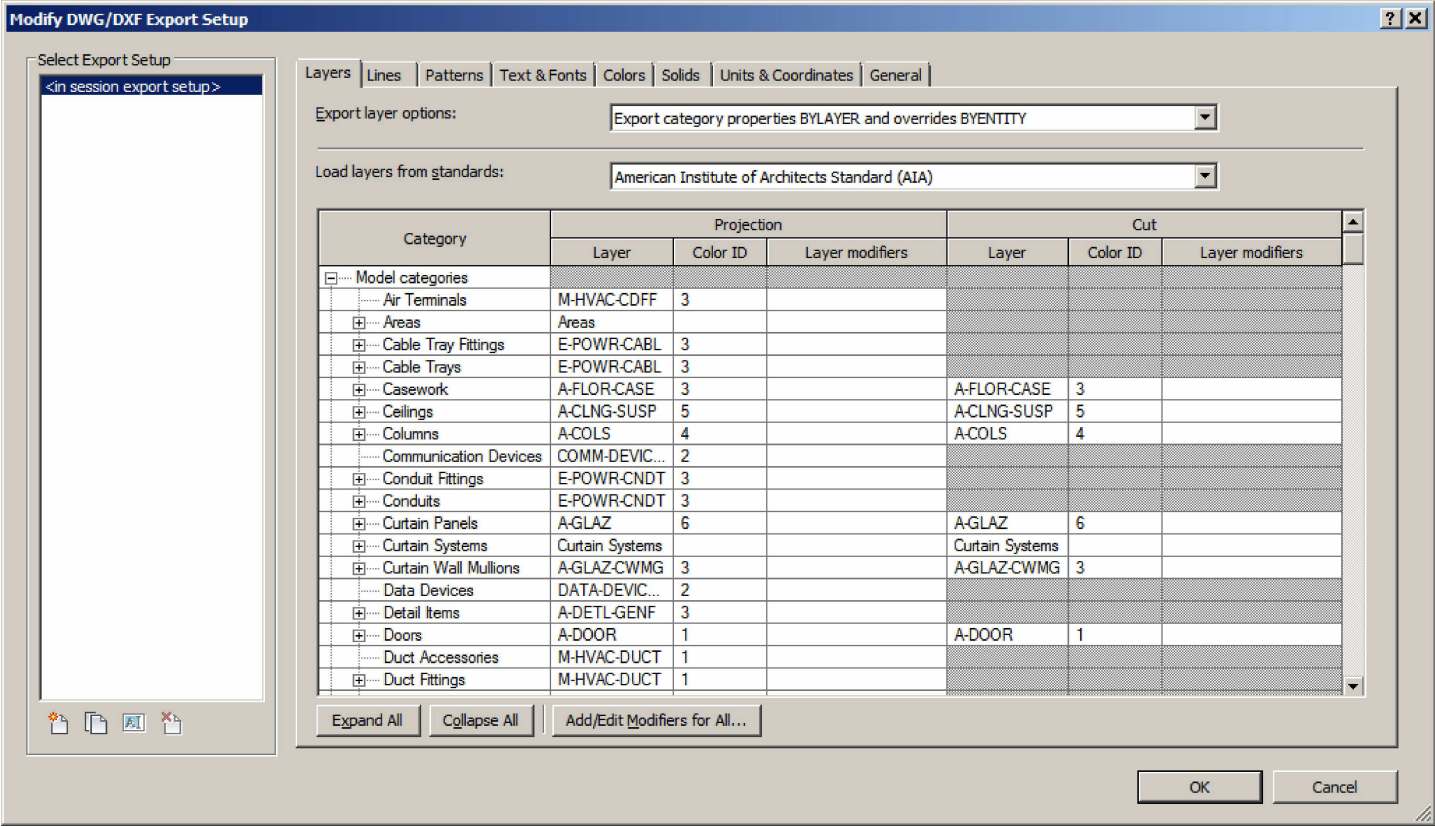
From the **DWG Export Dialog Box**, you can also grab **“Multiple Sheet Sets, or Views”**



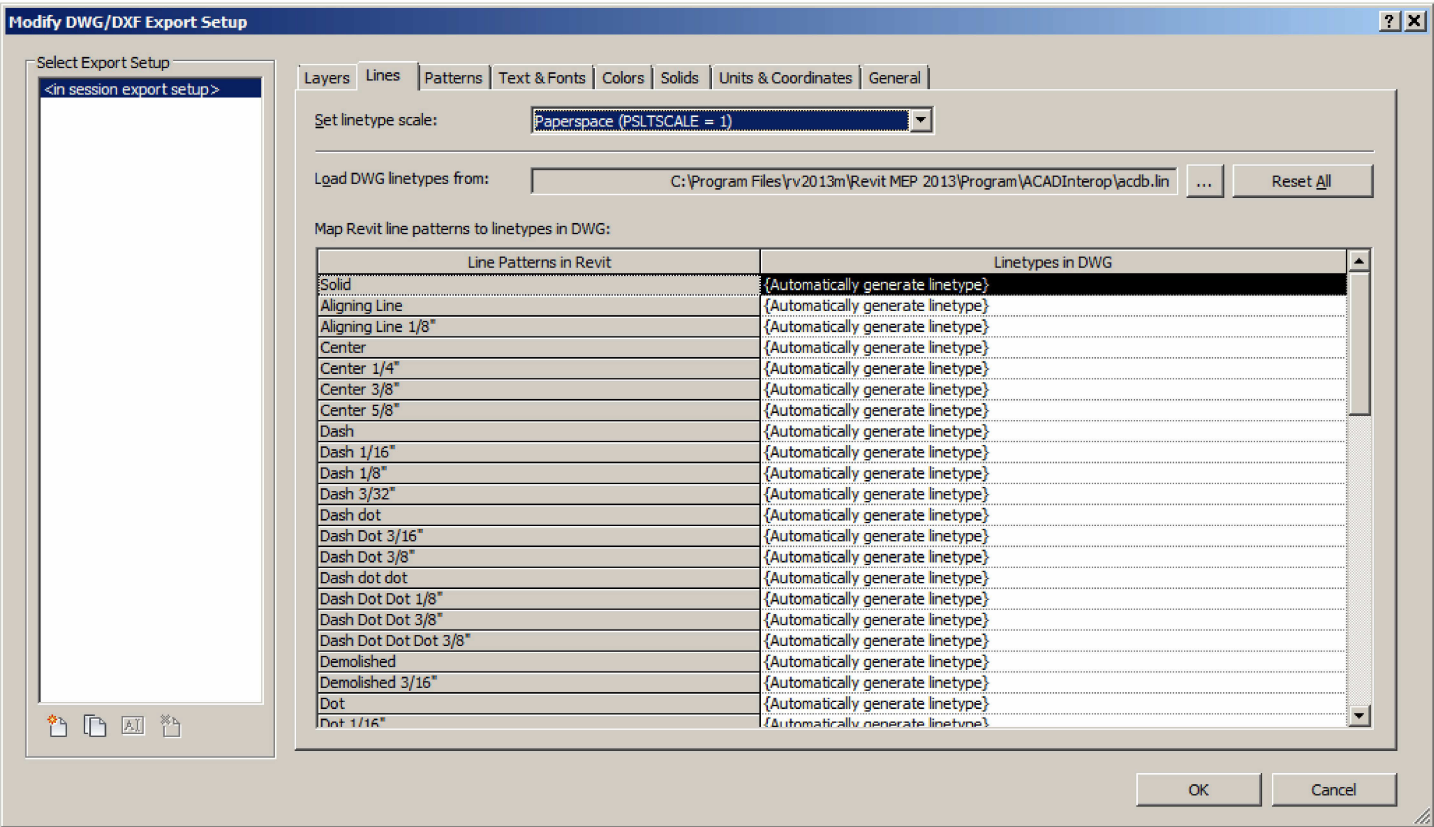
This option is very handy if you only want to print out your “Sheet-Sets”

Exporting from Revit to AutoCAD for Collaboration purposes:

Additional options to view (Layers tab Shown):

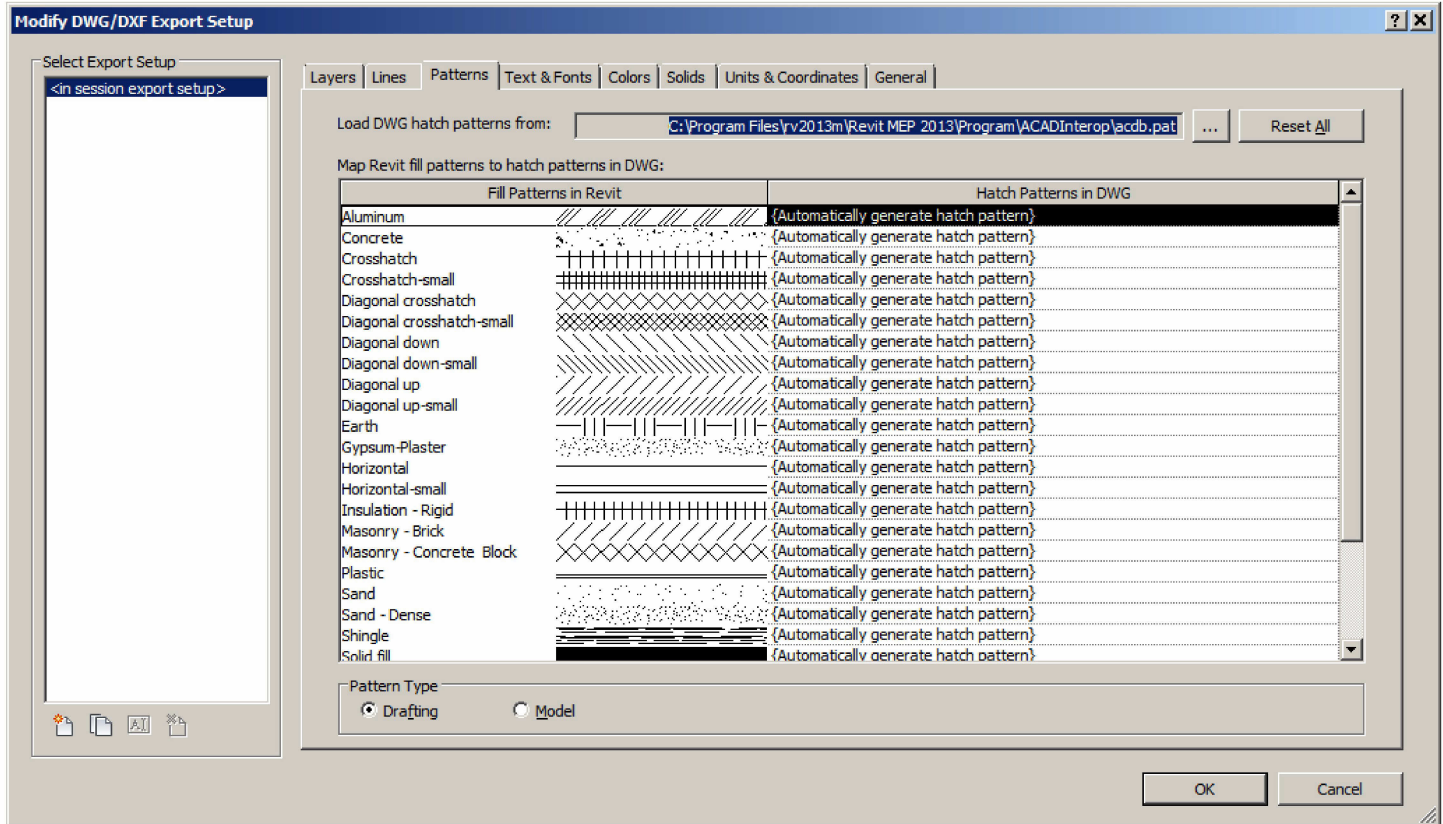


Keep in mind, if you are not running AutoCAD these linotypes & Patterns come pre loaded "From Revit2013" (Line tab Shown):

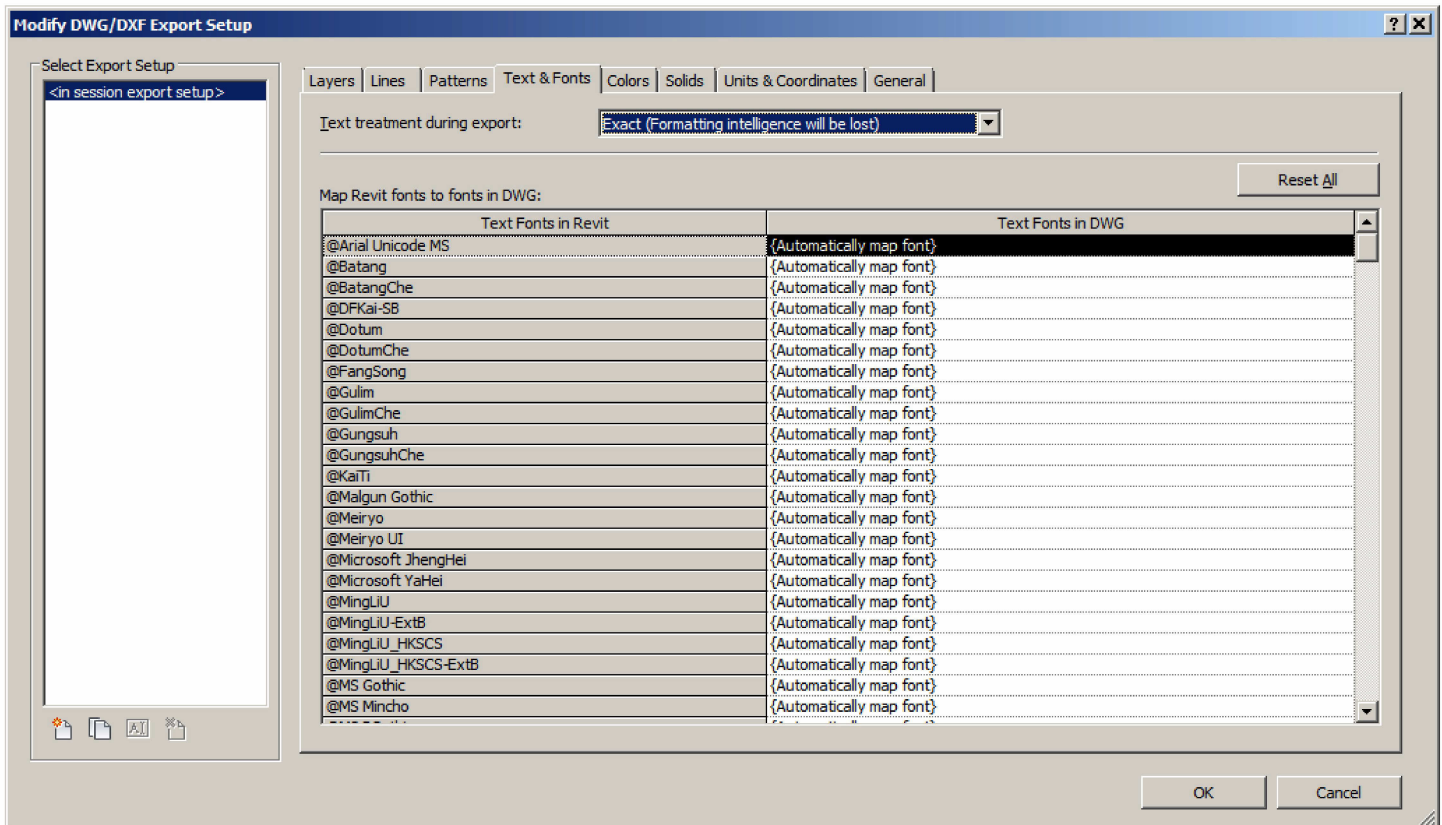


Exporting from Revit to AutoCAD for Collaboration purposes:

Additional options to view (**Patterns tab Shown**):

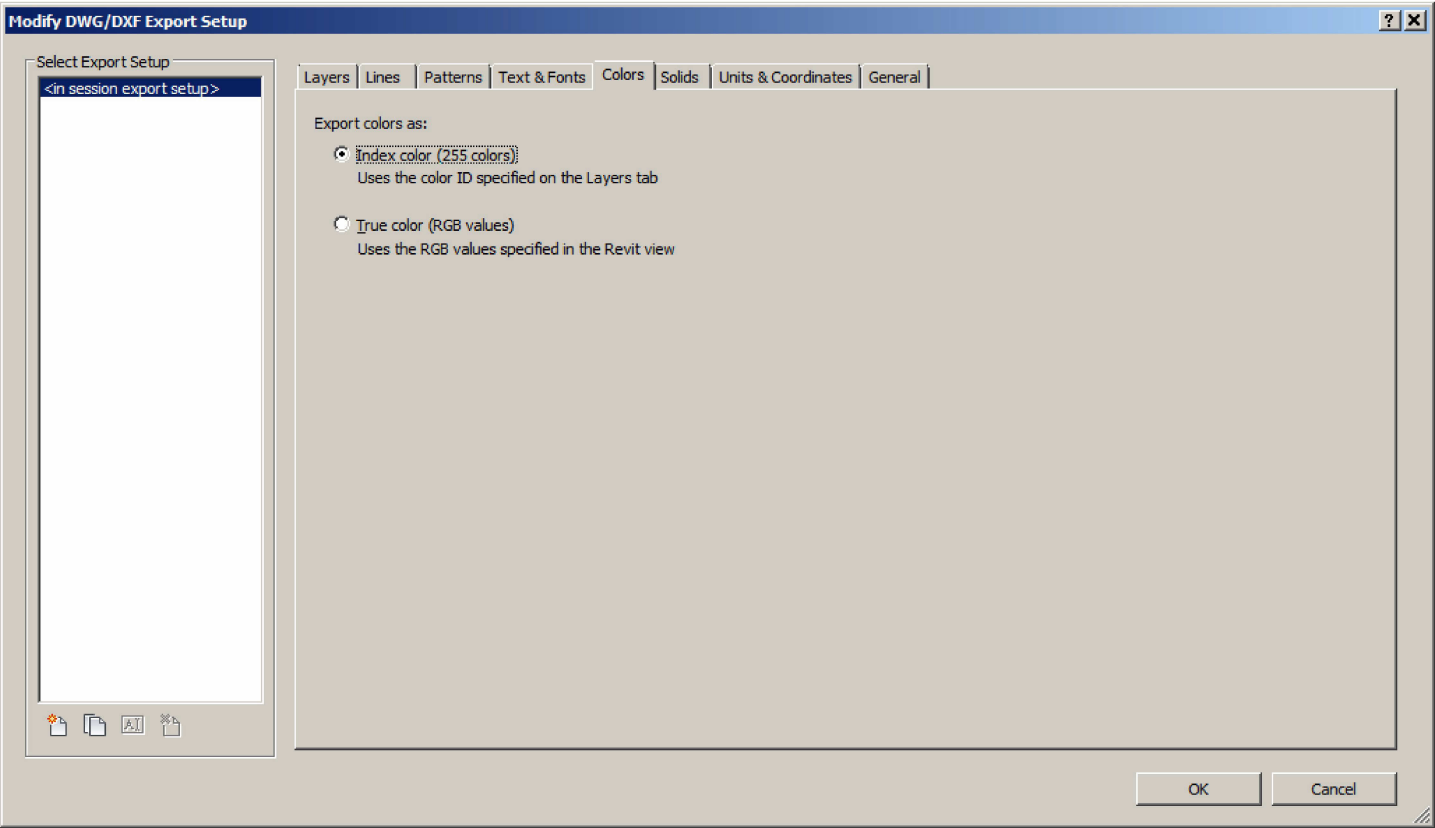


Additional options to view (**Text & Fonts Tab Shown**):

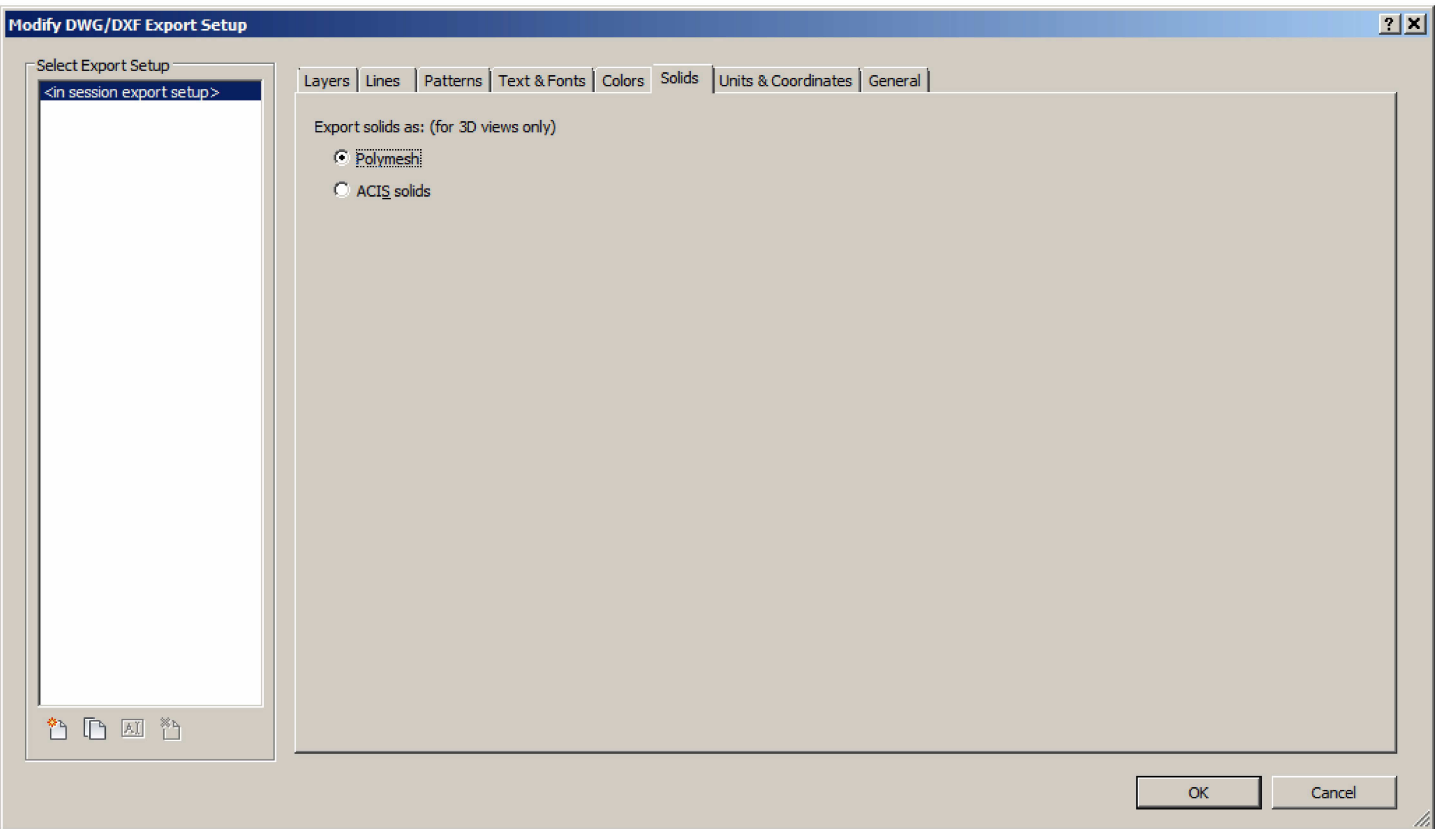


Exporting from Revit to AutoCAD for Collaboration purposes:

Additional options to view (Colors tab Shown):

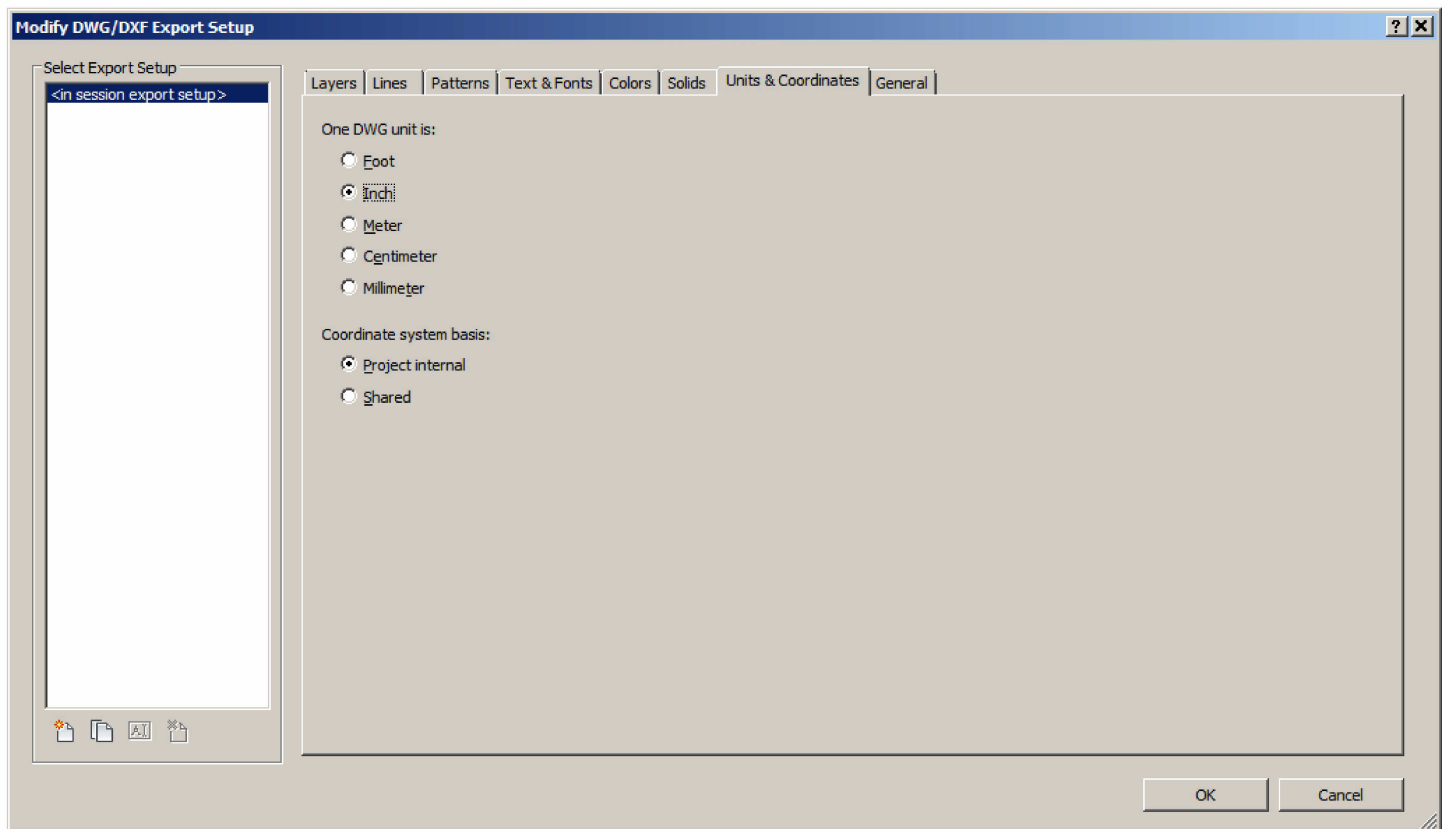


Additional options to view (Solids tab Shown)

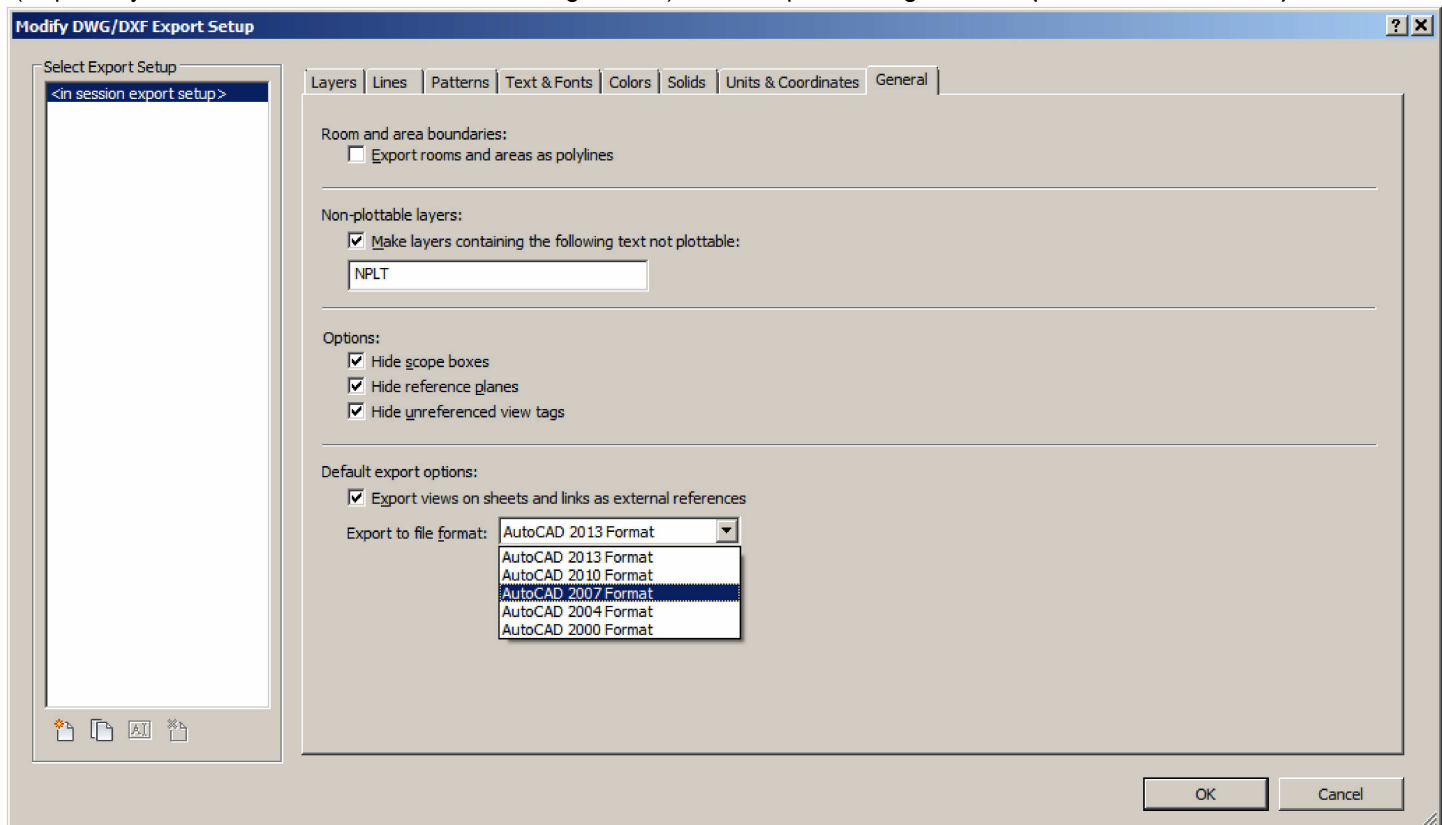


Exporting from Revit to AutoCAD for Collaboration purposes:

For most standard AutoCAD file in the USA the setting is to Inches, (**Units tab Shown**):

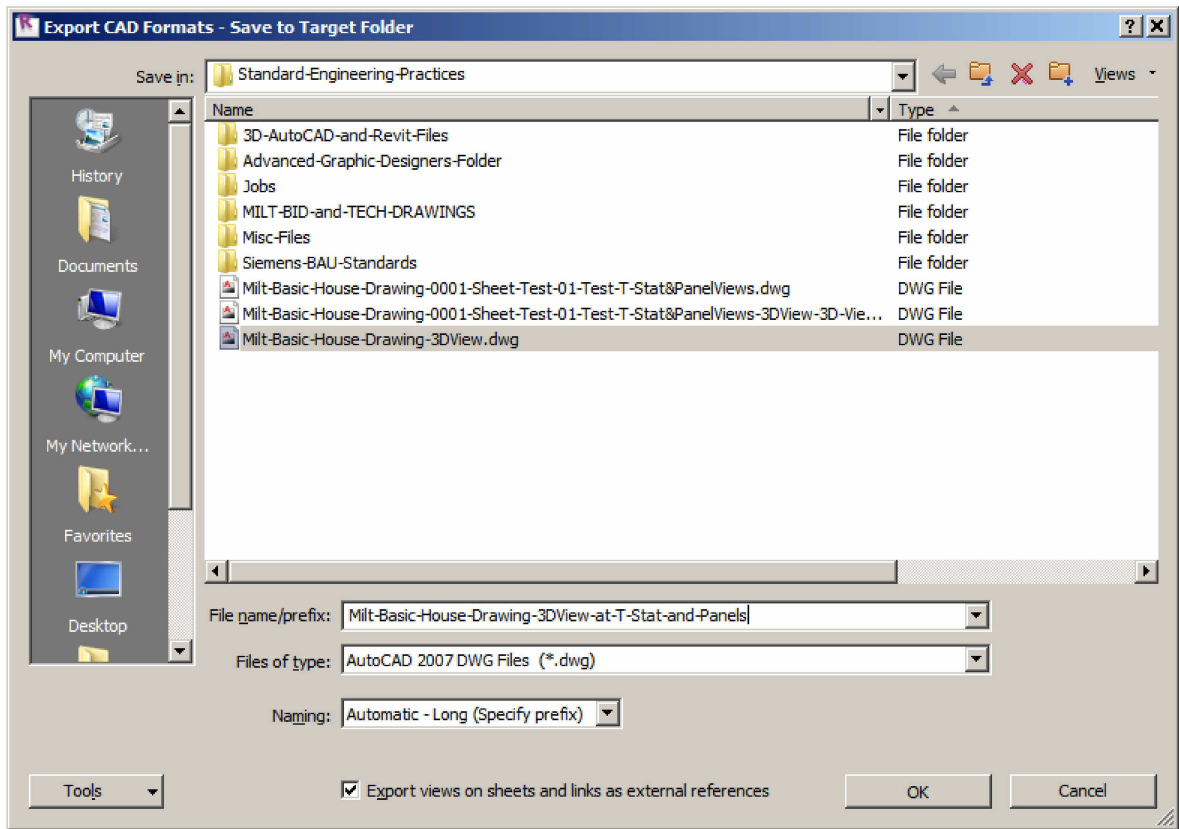


Again, keep in mind, you may want to knock these down to a "Lower version of AutoCAD"
(Especially since we are not sure whom is using the file): Final Export settings to view (**General tab Shown**):

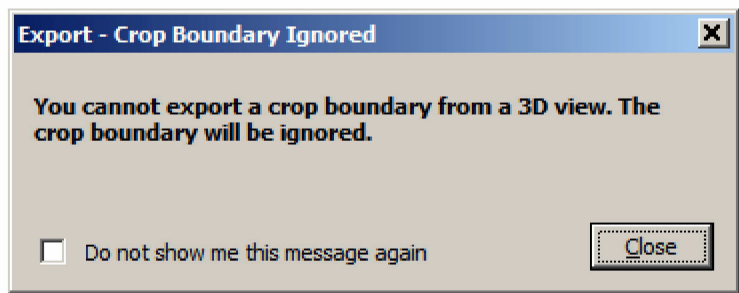


Exporting from Revit to AutoCAD for Collaboration purposes:

Here are the save in, or save as “Target dialog box”:

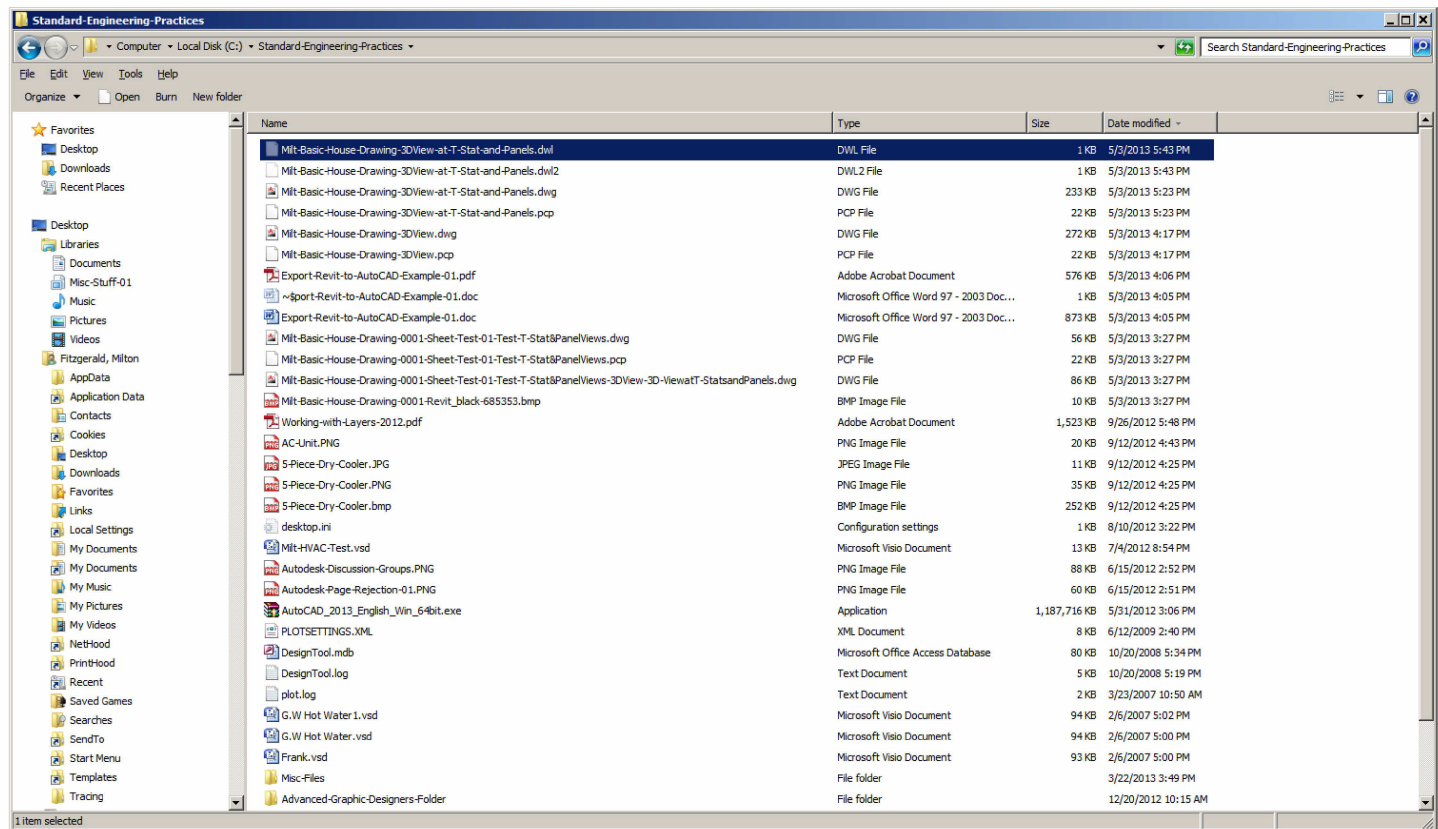


Miscellaneous 3D Crop Box Notification Dialog Box:

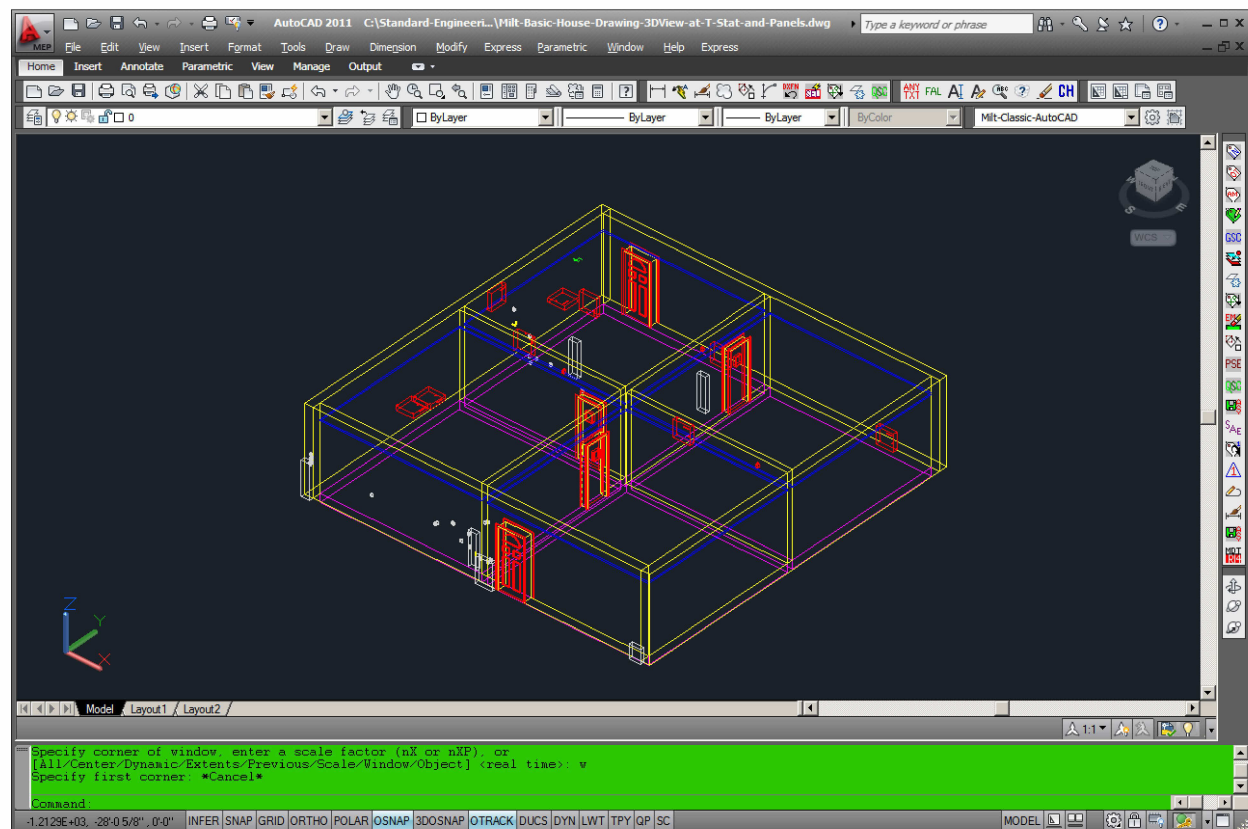


Exporting from Revit to AutoCAD for Collaboration purposes:

Here are the "NEW ACAD FILES" - in Full "3D Mode":

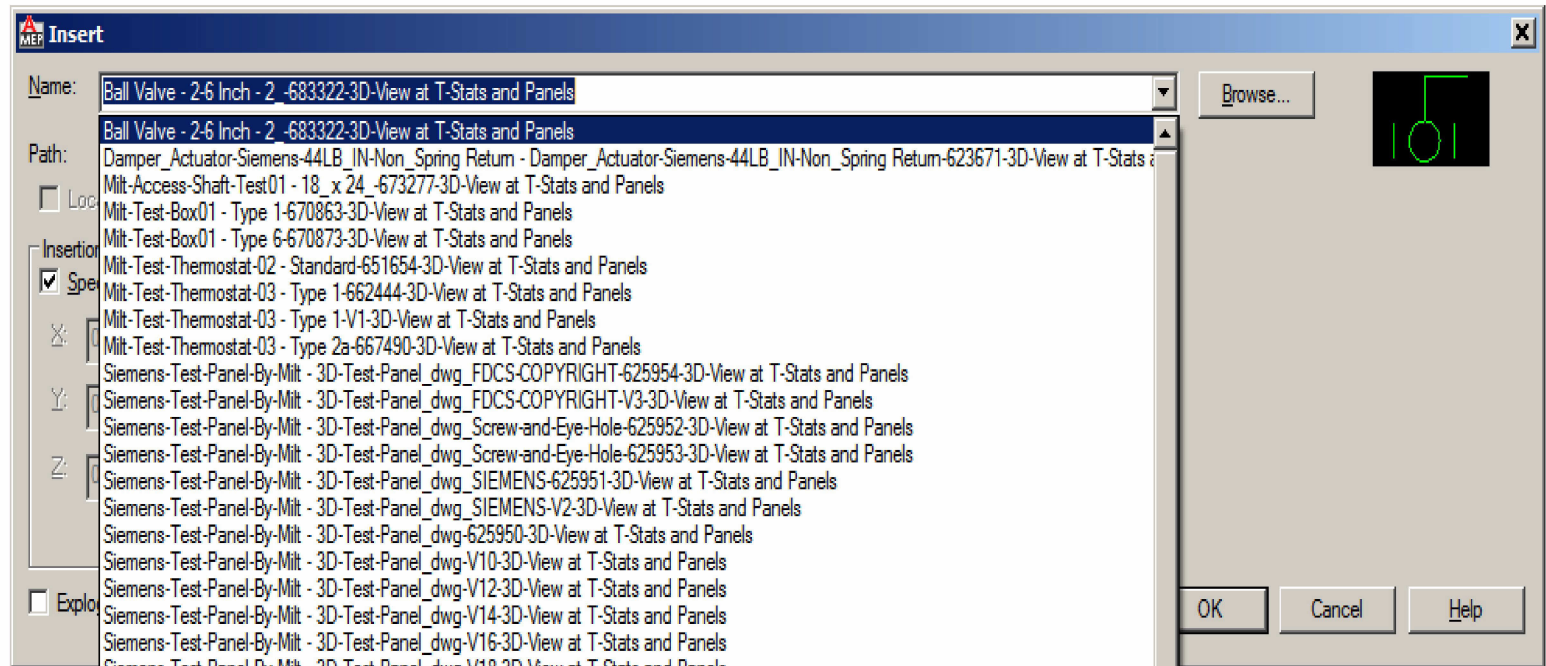


"3D View":



Exporting from Revit to AutoCAD for Collaboration purposes:

Here are the "NEW ACAD FILES" including the Blocks



"2D Plan View":

