

Mastering the BIM Module in DraftSight

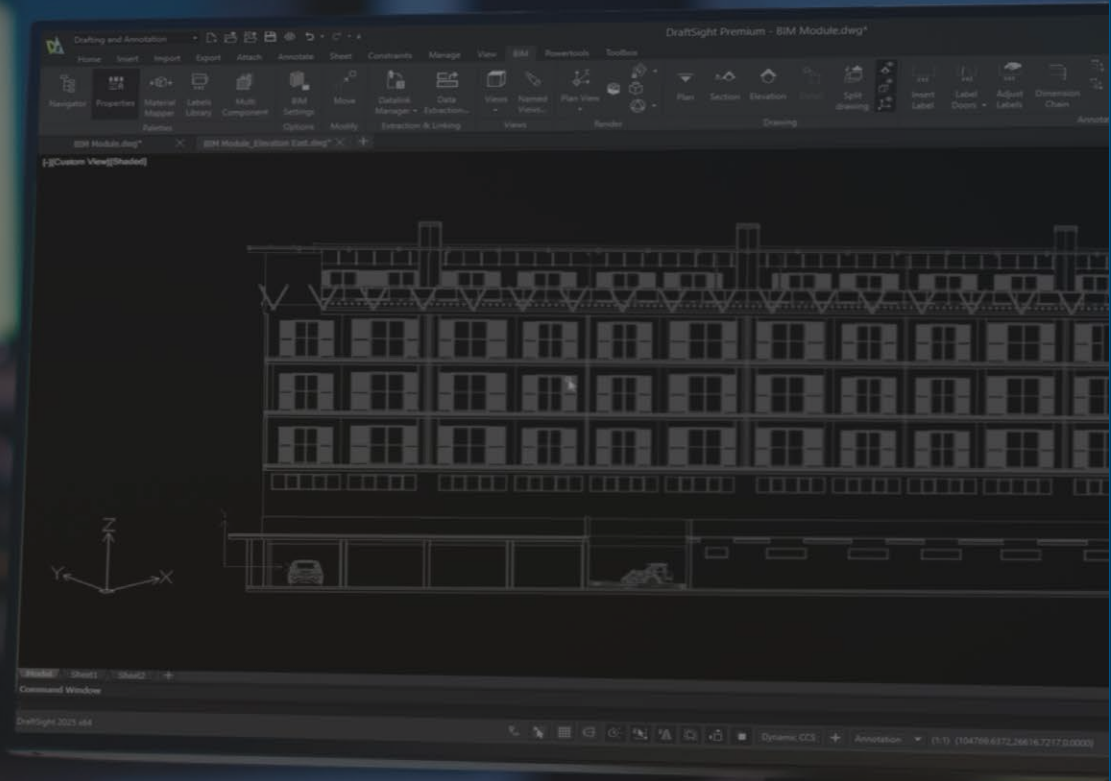
Practical guide

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2. IMPORT YOUR BIM MODEL
3. CREATE & APPLY FILTERS
4. PLANS, SECTIONS, ELEVATIONS, & DETAILS
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INTEGRATING BIM INTO YOUR DRAFTSIGHT WORKFLOW

Welcome to your practical guide to mastering the BIM Module in DraftSight. This module is a powerful extension designed to bring Building Information Modeling capabilities directly into your 2D CAD workflow. Whether you're an architect, engineer, or designer, this guide will help you unlock the full potential of the BIM tools within DraftSight to streamline project collaboration, enhance drafting accuracy, and bridge the gap between intelligent 3D modeling and 2D drafting. In the following pages, we'll walk you step-by-step through the key workflows of the BIM module, empowering you to create and manage data-rich building models with confidence and efficiency.



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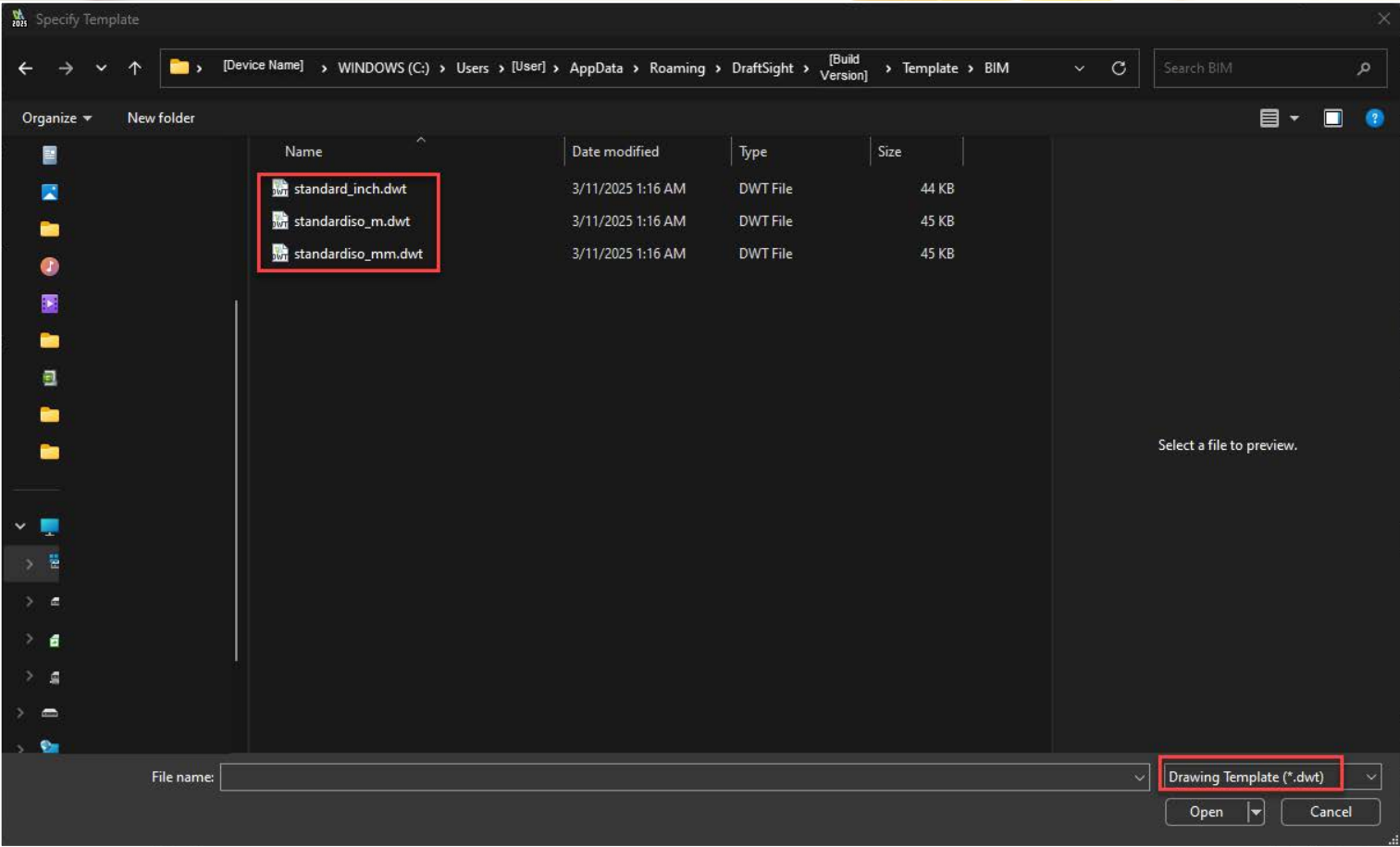
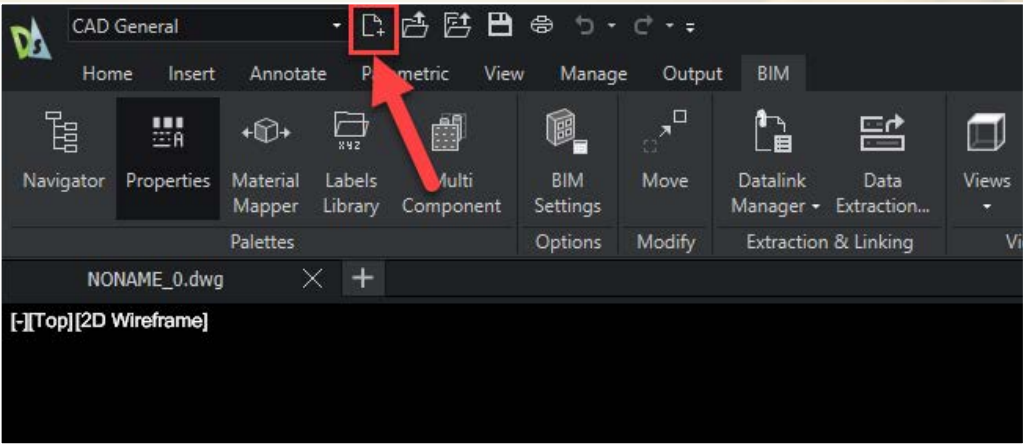
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1. CREATE DWG FROM BIM TEMPLATE

DraftSight comes with DWT (drawing template) files that are designed to be used for the BIM Module. Select one that matches the units of your BIM model.



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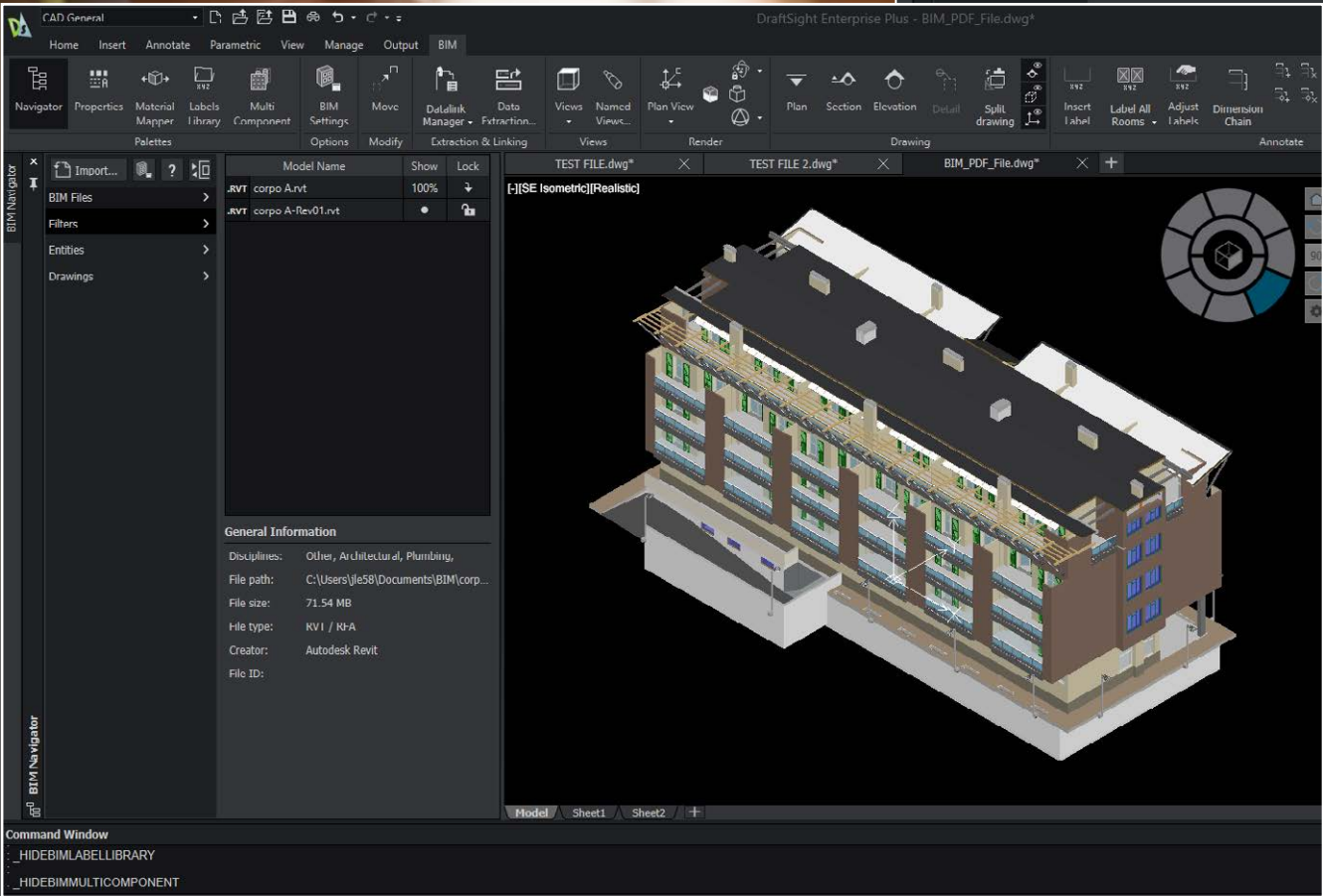
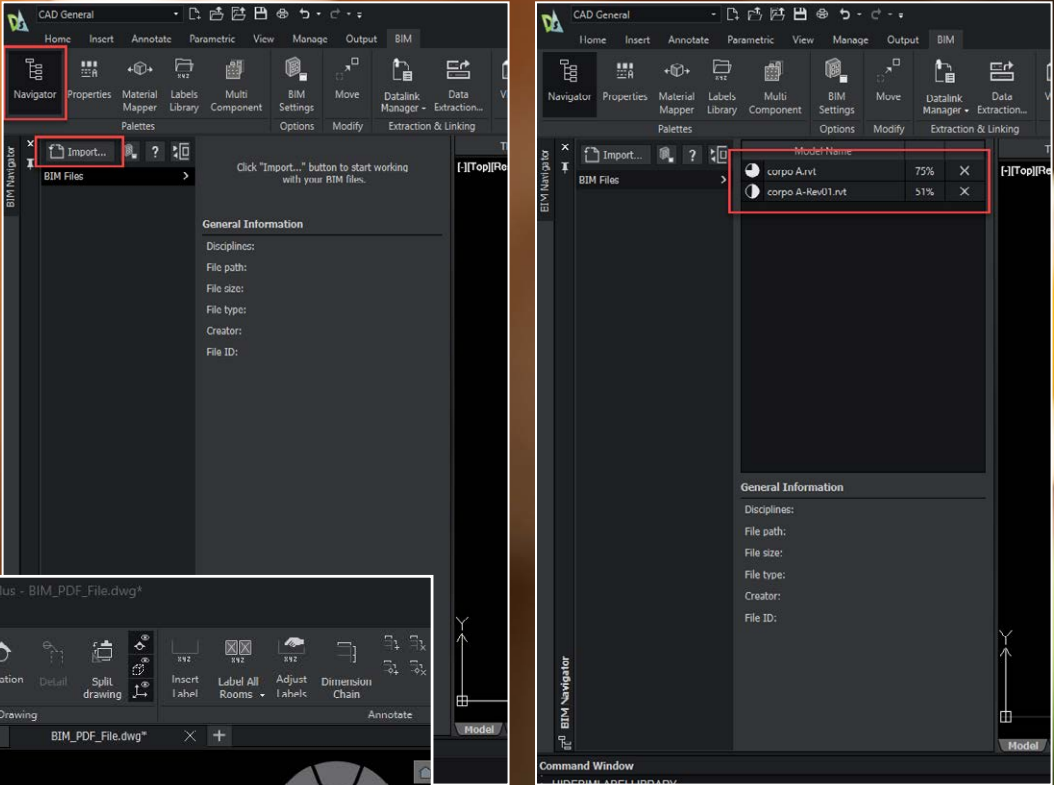
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2. IMPORT YOUR BIM MODEL

Select the BIM Models you want to Import. DraftSight can Import Revit models from 2011-2025, and IFC 2x3, 4, 4x1, 4x2, and 4x3



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3. CREATE & APPLY FILTERS

- 1. If needed, filter your model to only show certain elements or objects from the BIM model.
- 2. Select a criteria, then an equality operator, and finally a value for the criteria
- 3. If you want to continue to use your filter, save it for future reference

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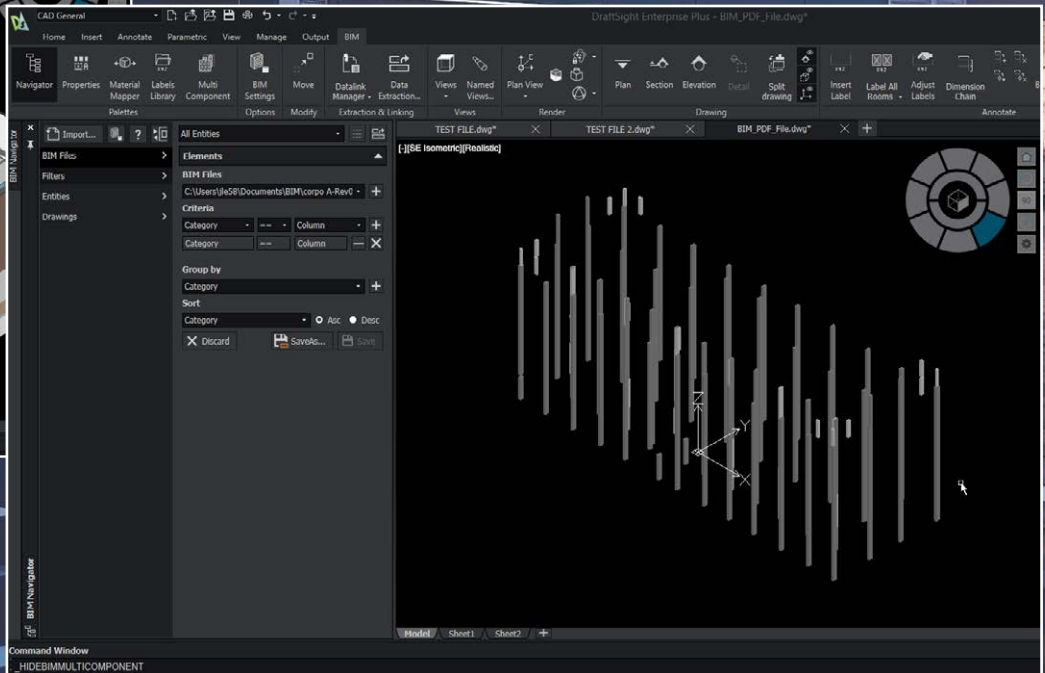
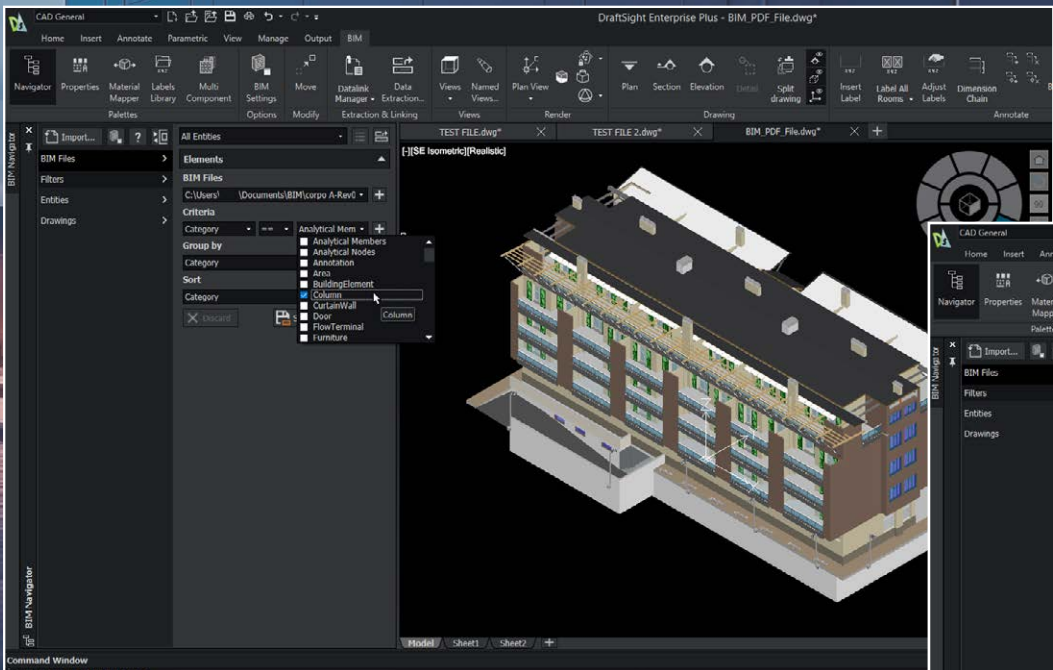
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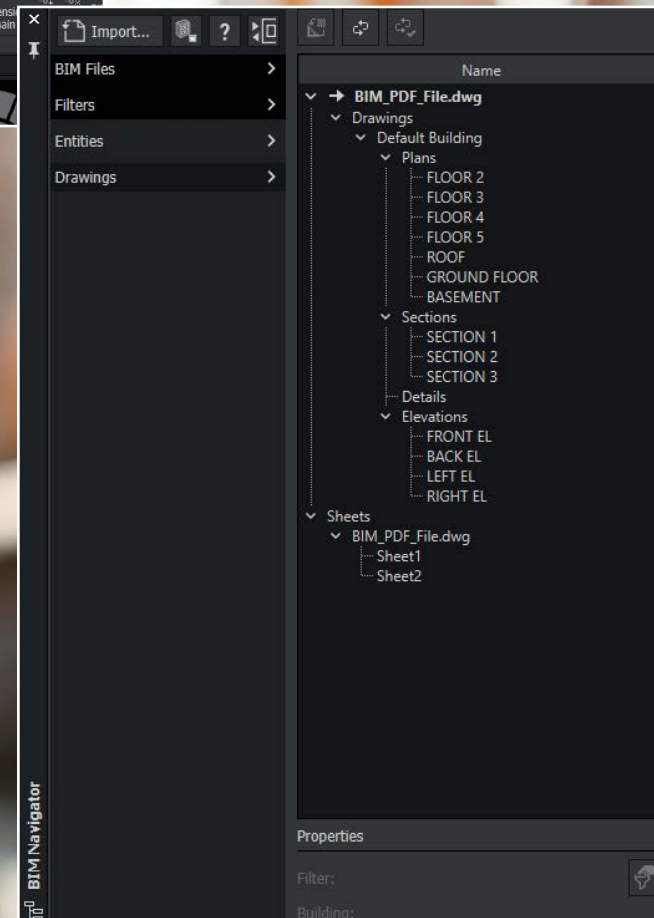
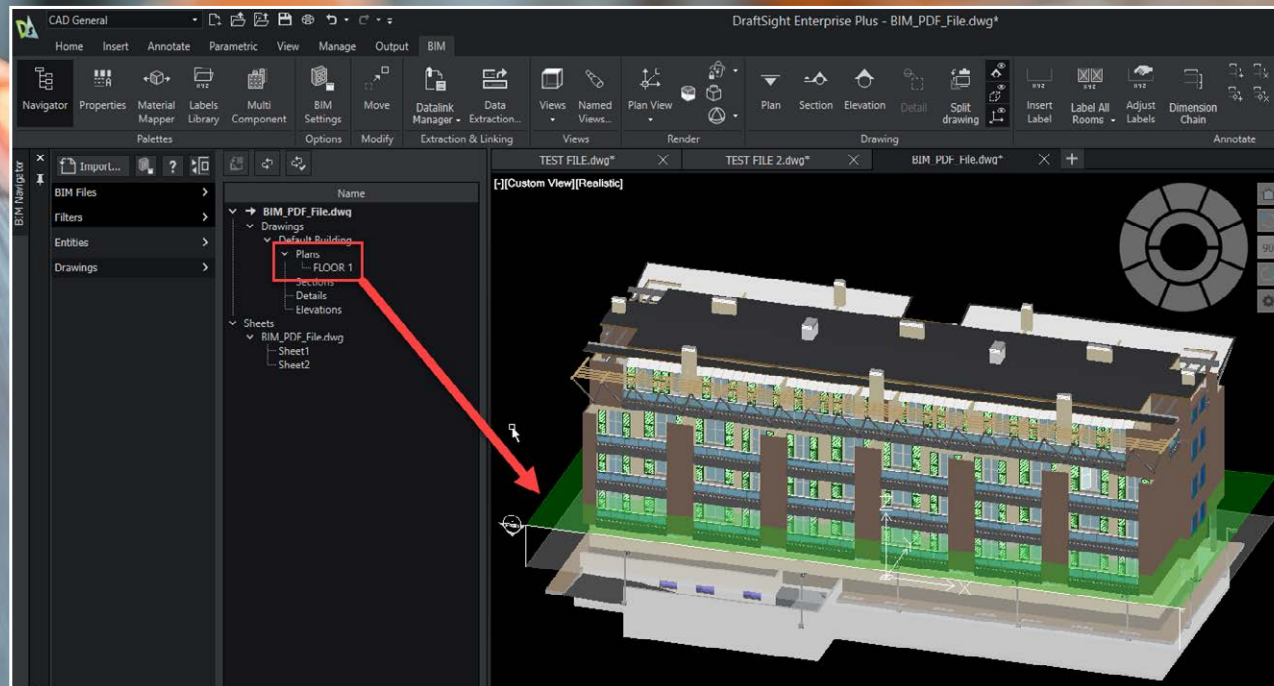
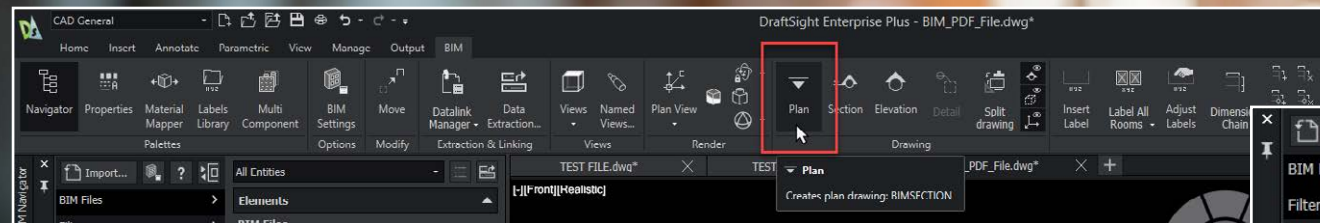
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4. PLANS, SECTIONS, ELEVATIONS, & DETAILS

1. Create your 2D projections of the model using the correct category.
2. Your created Drawings will be organized by category in the BIM Navigator Palette



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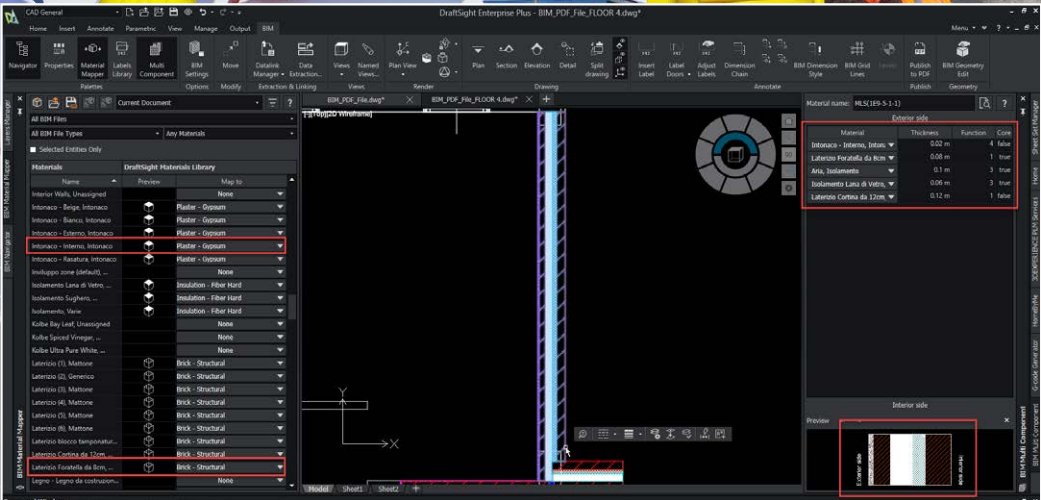
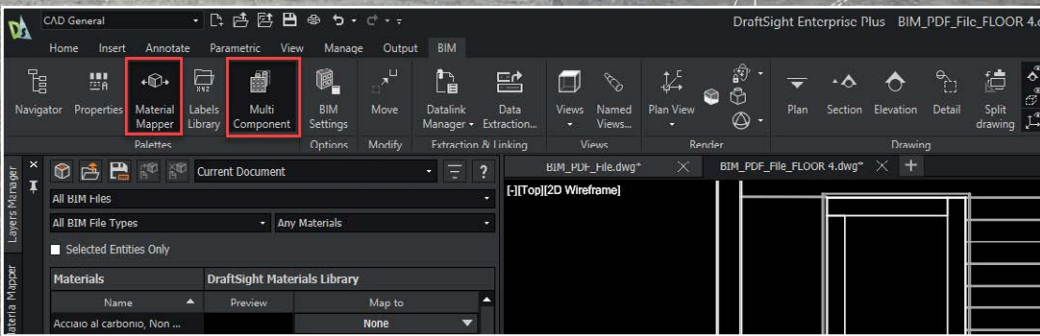
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5. MAP HATCHES TO MATERIALS

Assign 2D hatches to the materials found in the BIM Model



Materials				Hatch				Boundary Element	
ID	Name	Type	Pattern	Preview	Scale	Rotation	LineWeight	Color	Unify
1	Air Space	CUT	SOLID		1	0	0.13 mi	ByBlock	0.00 mi
2	Aluminium	SURFACE	SOLID		1	0	0.13 mi	White	0.30 mi
3	Brick Finish (bond generic)	CUT	ANSI31		50	0	0.13 mi	Red	0.30 mi
4	Brick - Structural	SURFACE	BRICK		1	0	0.13 mi	Red	0.13 mi
5	Concrete	CUT	AR-CONC		1	0	0.13 mi	Blue	0.30 mi
6	Concrete - Structural	SURFACE	AR-CONC		1	0	0.13 mi	White	0.13 mi
7	Concrete Block - Structural	CUT	ANSI37		50	0	0.13 mi	Blue	0.30 mi

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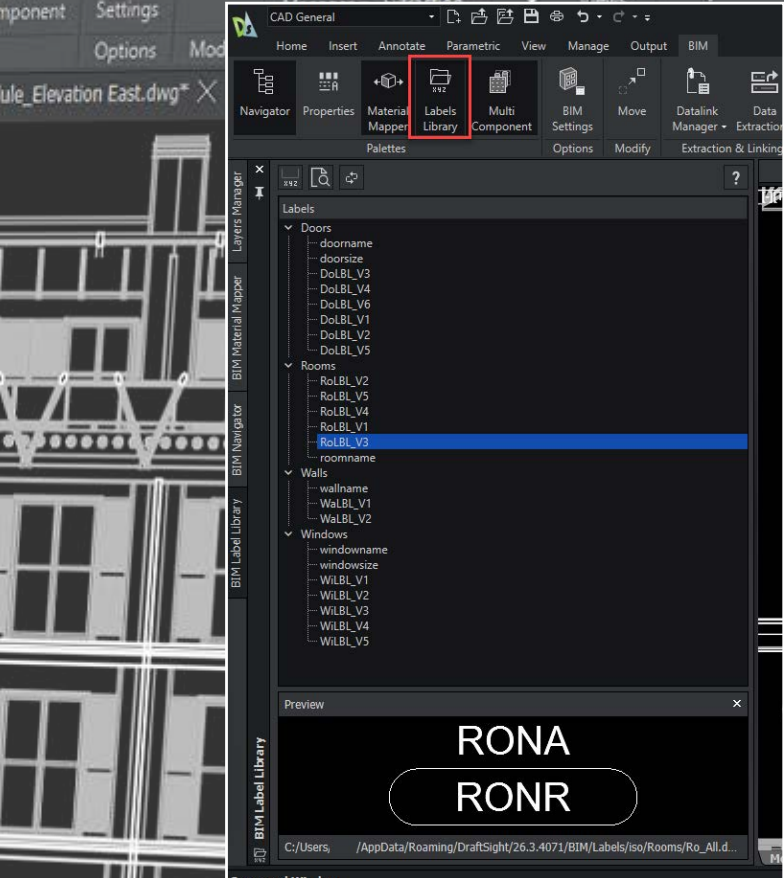
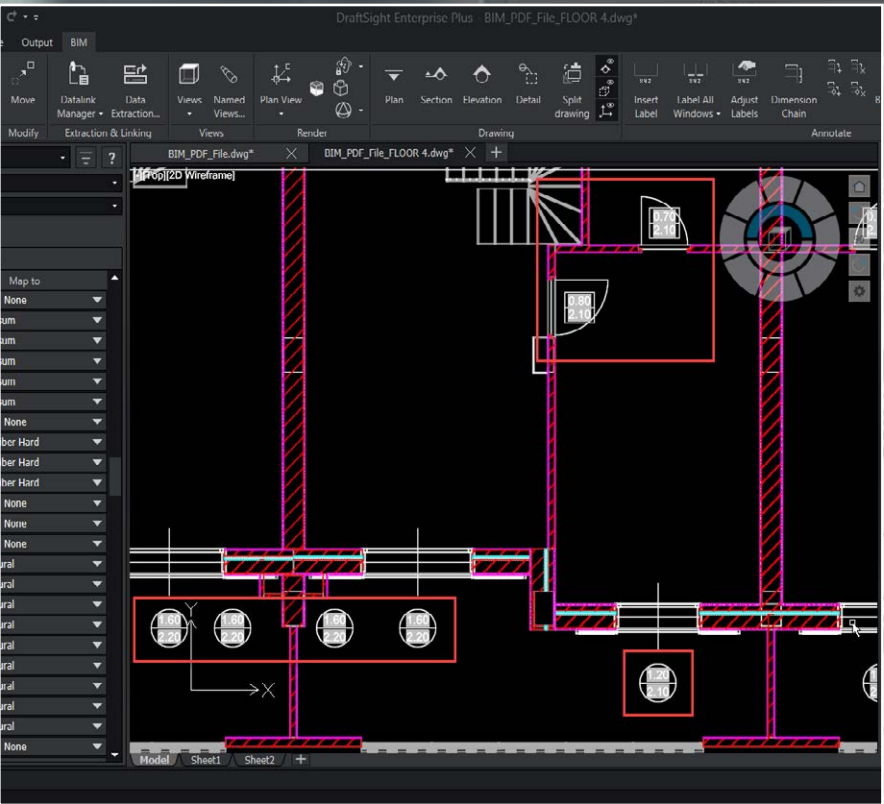
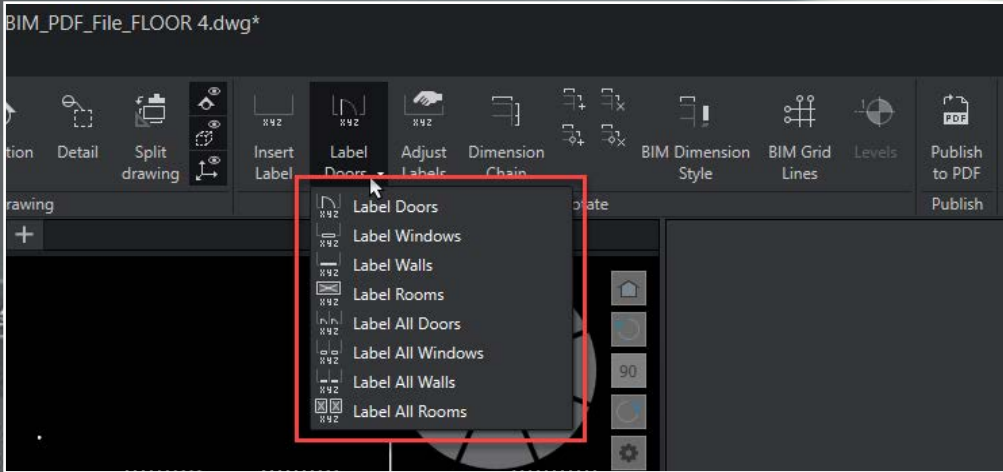
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- 1. Run commands like "Label all doors, label all windows"
- 2. Automatically dimensions your views using BIM dimension chains



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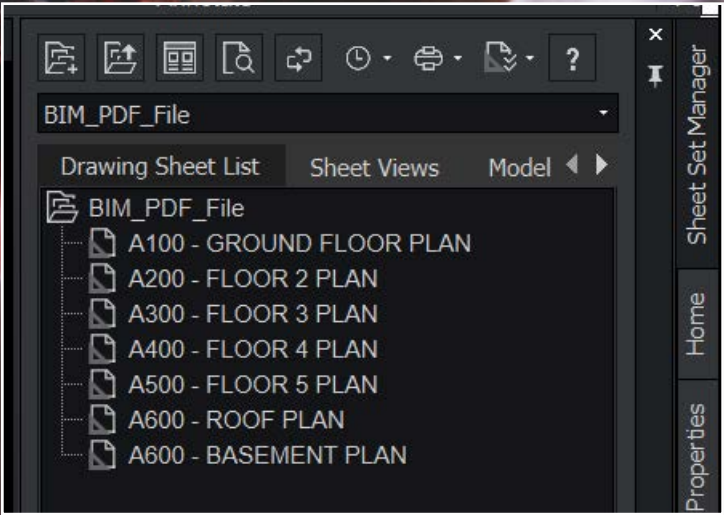
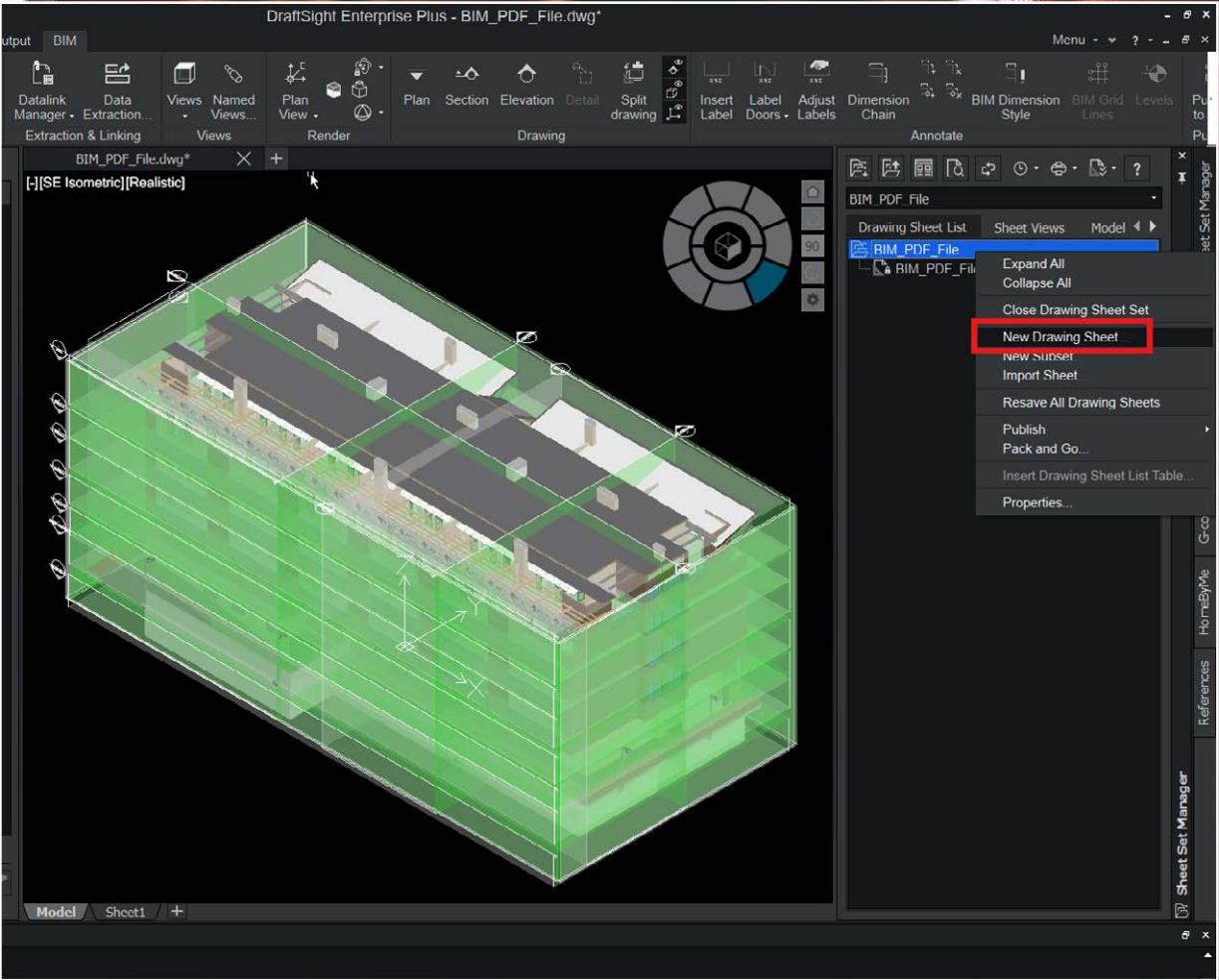
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7. CREATE & ORGANIZE DRAWING SHEETS

Use DraftSight's Sheet Set Manager to quickly create and organize your drawing sheets.



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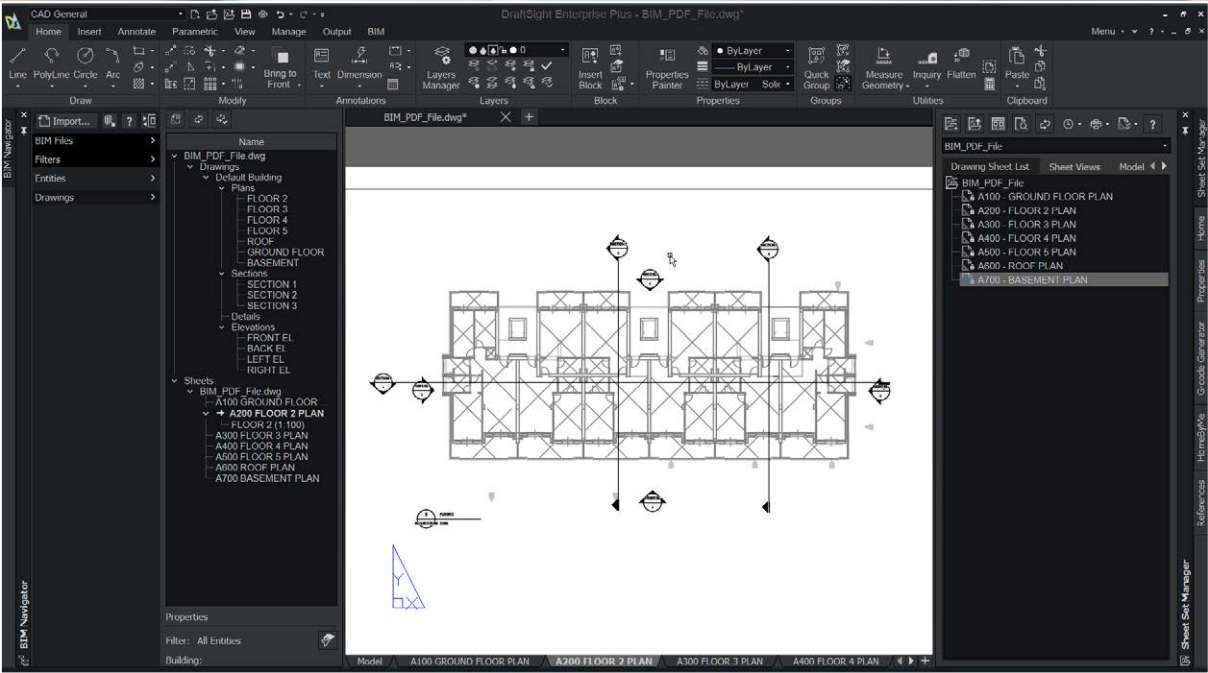
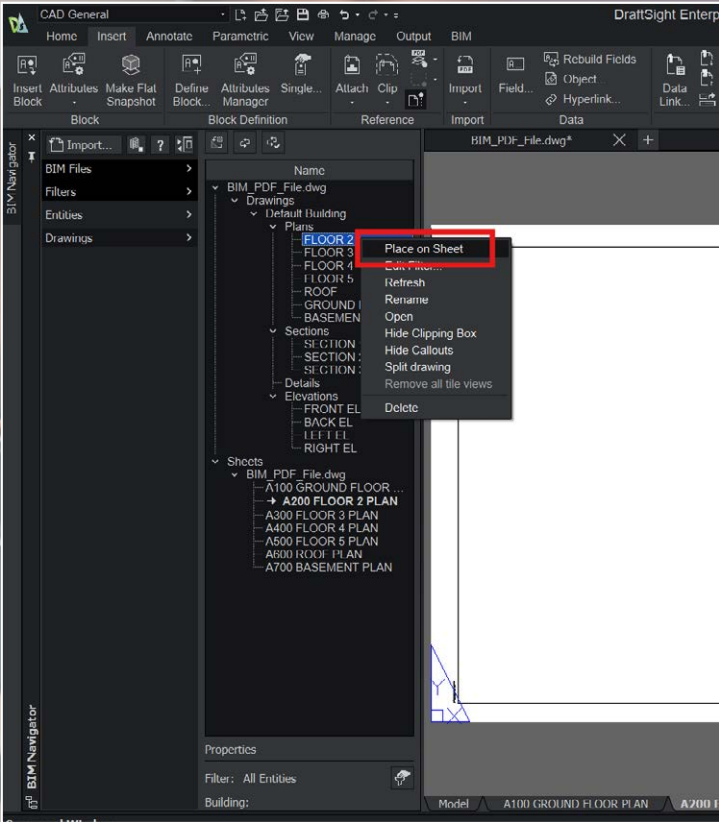
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8. PLACE VIEWS ONTO YOUR SHEETS

- 1. Select and insert your plans, sections, elevations or details from the BIM navigator, directly into your sheets.
- 2. View labels will accurately annotate the view's name, number and scale.



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DraftSight can export and DWG files in a number of different formats, like:

- I. PDF
- II. DGN
- III. Compressed DWG (ZIP)
- IV. Printed Drawing
- V. And More

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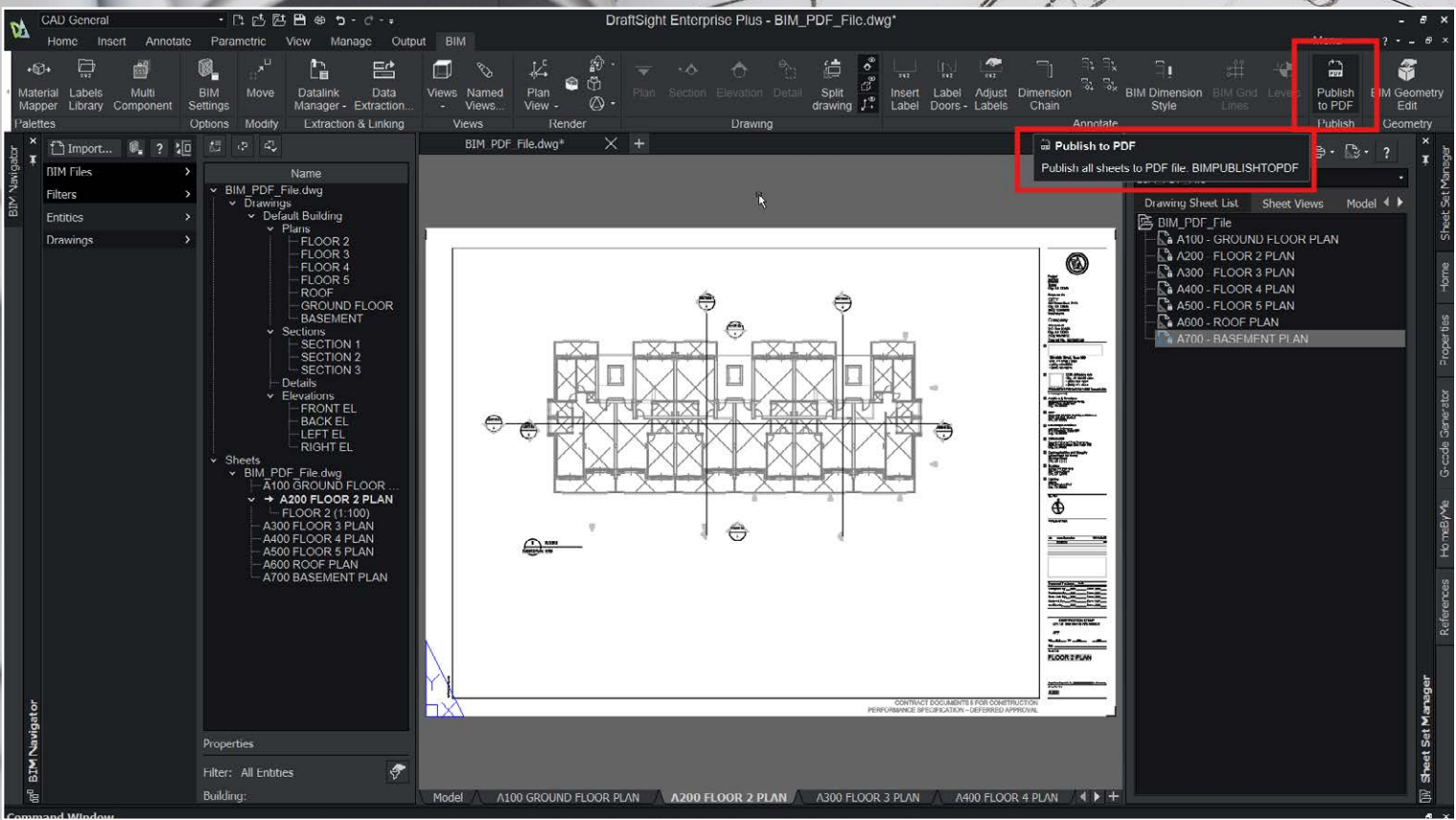
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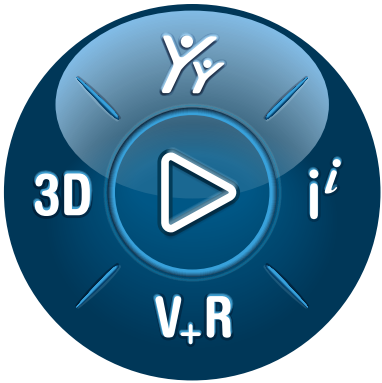
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