

IFCTHCAD

IFCImport IFCExport

THCAD BIMIFC

- IFCTHCAD
- THCADIFC
- IFC

IFC

IFCIFCIFCBIM

THCAD BIMIFC2x3IFC4IFC 2X32.0IFCBIMPSets

THCADIFCIfcPropertySetIFC

IFCTHCAD BIM

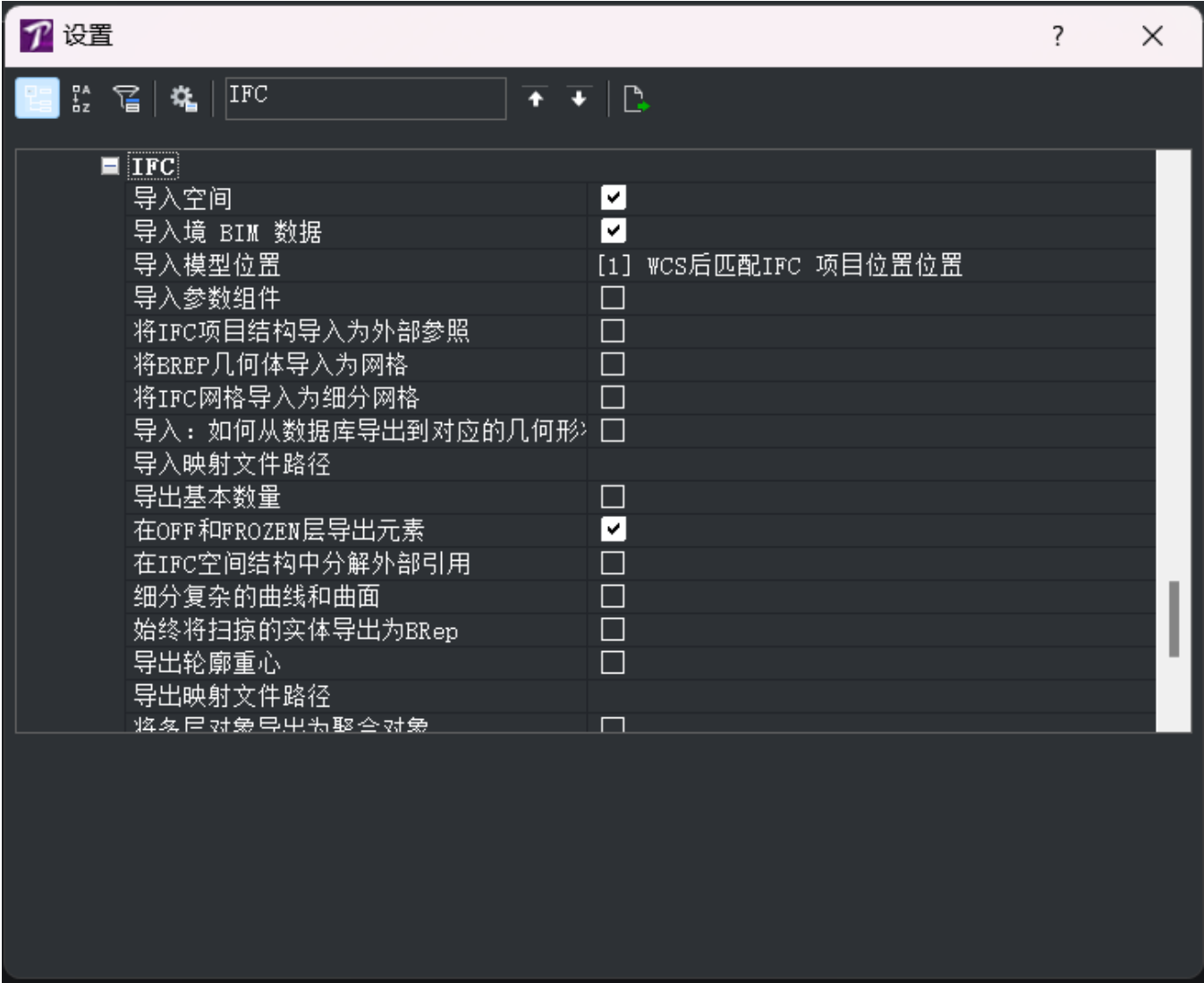


IFC2x3IFC4

IFC4IFC2x3IFC2x3""IFCIFC4IFC4IFC4

IFC

IFC

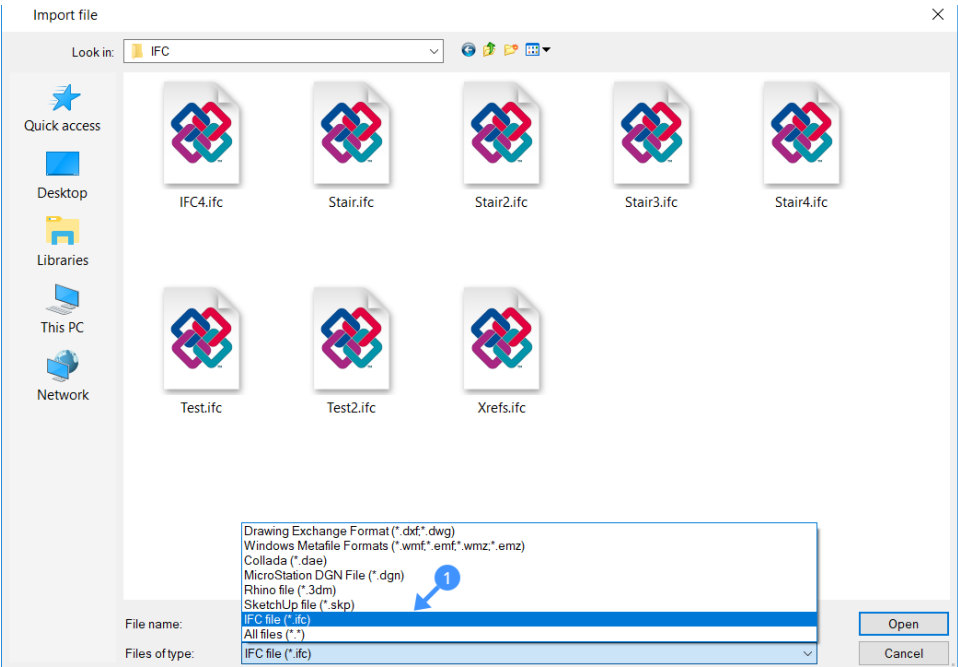


	/IfcSpaceBIM IfcSpaceBIM Room
BIM	/BIMBIMTHCAD BIM
	• 0THCAD WCSIFC • 1THCAD WCSIFC
	/
IFC	/IFCXRefIfc
BREP	/BREP BREPTHCAD
	“ IFC/”
	/BIM BIMIFC
OFFFROZEN	/BIM

IFC	//IFC IfcSiteIfcBuilding BIM ClassifyBIM XReference
	" IFC/"
	/
	""FacetResModeler AUTODESK
	GUID1 2 3

THCADIFC

- 1. IFCImport
- 2. .ifc1IFC

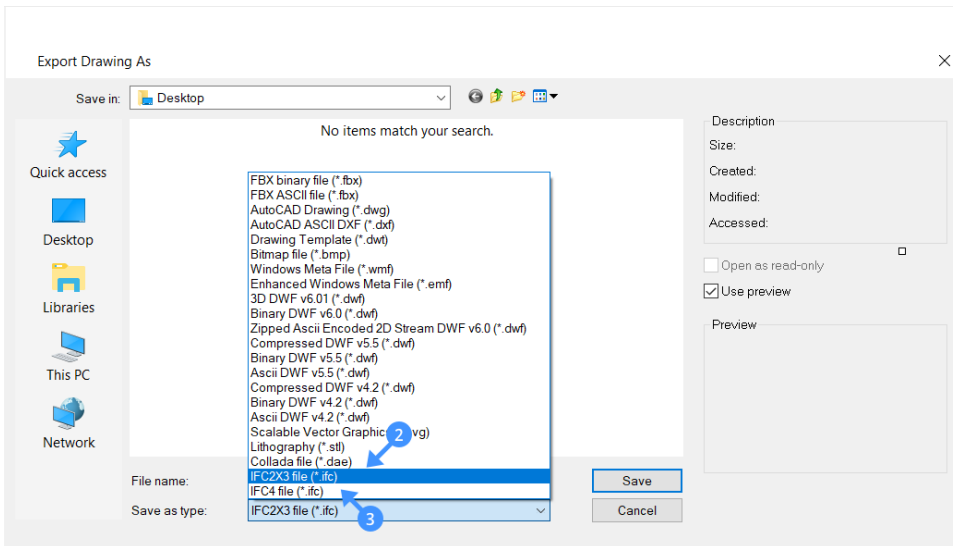


- 3. ""IFC
- IFC2x3IFC4IFCTHCAD
- THCAD BIM
- 4. "" BIM"IFC"IFC"

THCADIFC

- 1. IFCTHCAD""

2. ""IFCIFC2x3IFC43

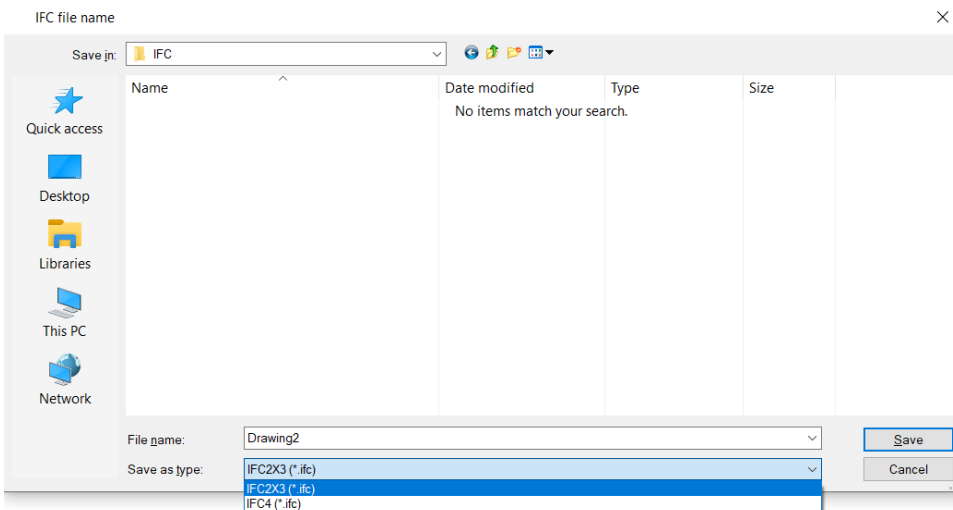


3. IFC
BIMIFC2X3IFC4IFC
4. ""BIM"IFC"IFC"

IFC

1. IFCIFCEXPORTHome ToolbarExport to IFC

2. IFCEnter
"IFC"

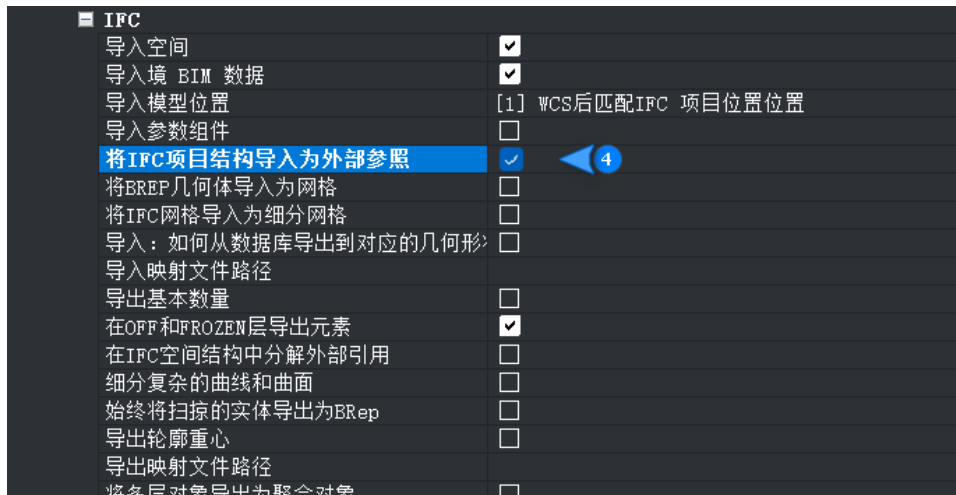


3. IFCIFCIFC2x3IFC4""IFC

IFC

1. Go to **Settings** (type **Settings** in the command line or go to Settings in the ribbon > Settings).
2. Navigate to BIM > Import and Export > IFC.

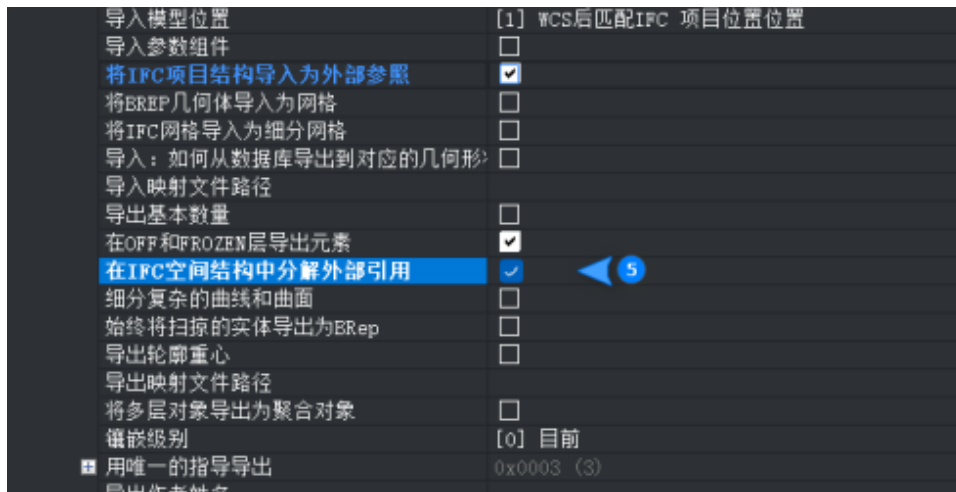
3. Check 'Import IFC project structure as xrefs ' box (4).



4. Type **Import** into the command line. Specify which .ifc file you want to open and click **Open**.
The drawing will now open with Xrefs made for each floor in each building. This allows you to easily split large files into smaller THCAD files.

Export a THCAD BIM Project with Xrefs exploded

1. Use the **BIM Classify** command to Classify Xrefs as BIM XReferences.
2. `"">"6`
3. BIM>> IFC
4. "IFC"5



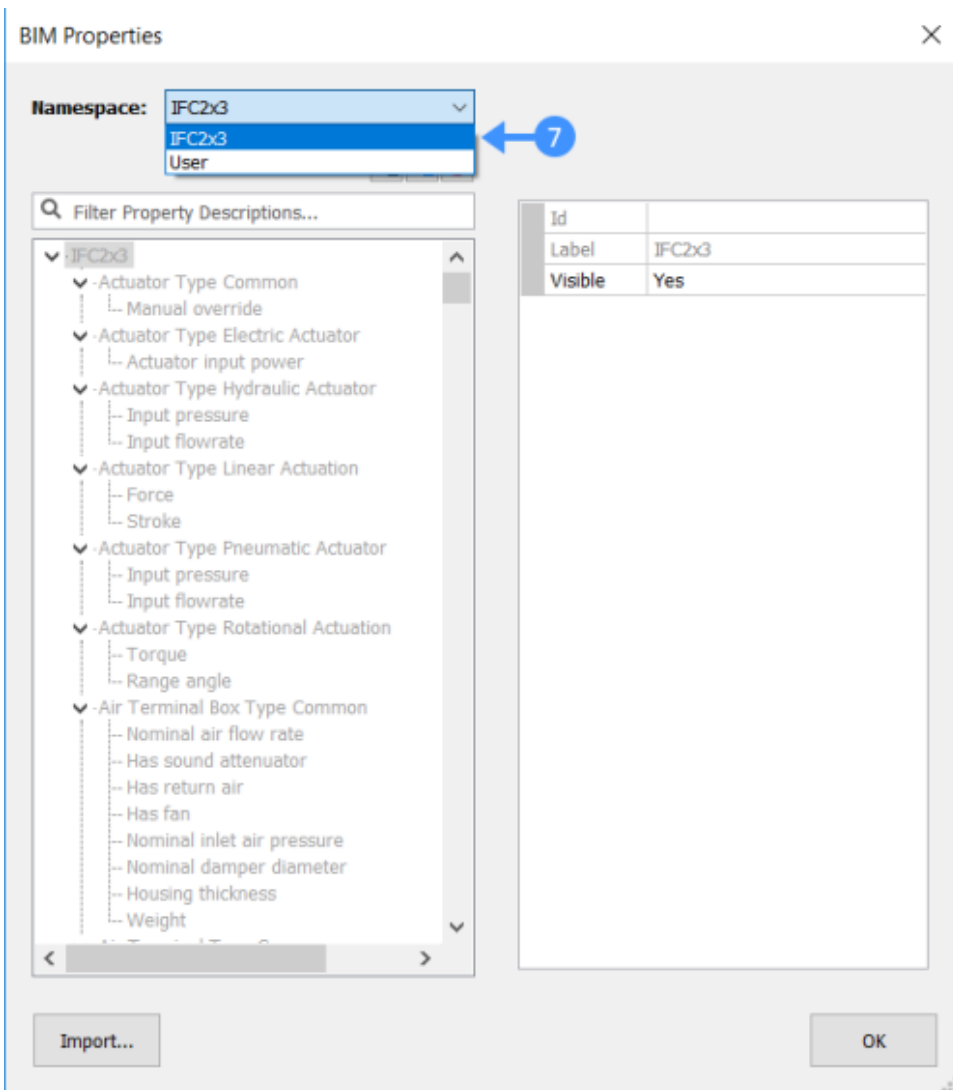
5. THCAD" IFC2x3"" IFC4""Xref

IFC

1. "">"6



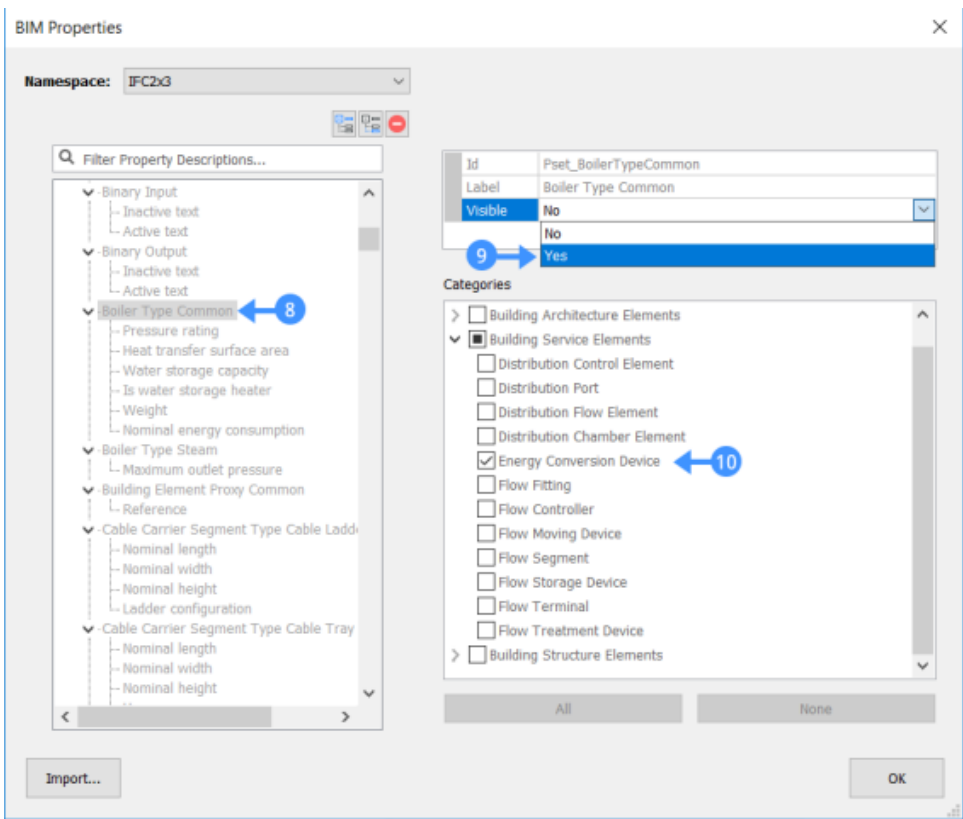
2. 7IFC2x3



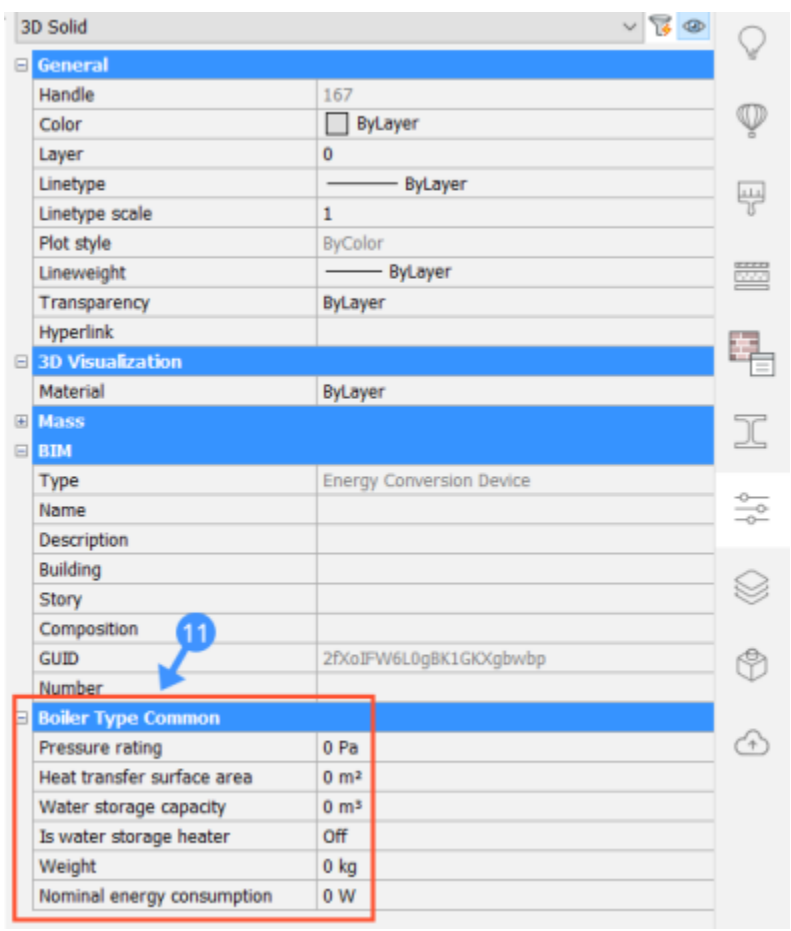
3. 8

4. ""9""

5. ""IFC10



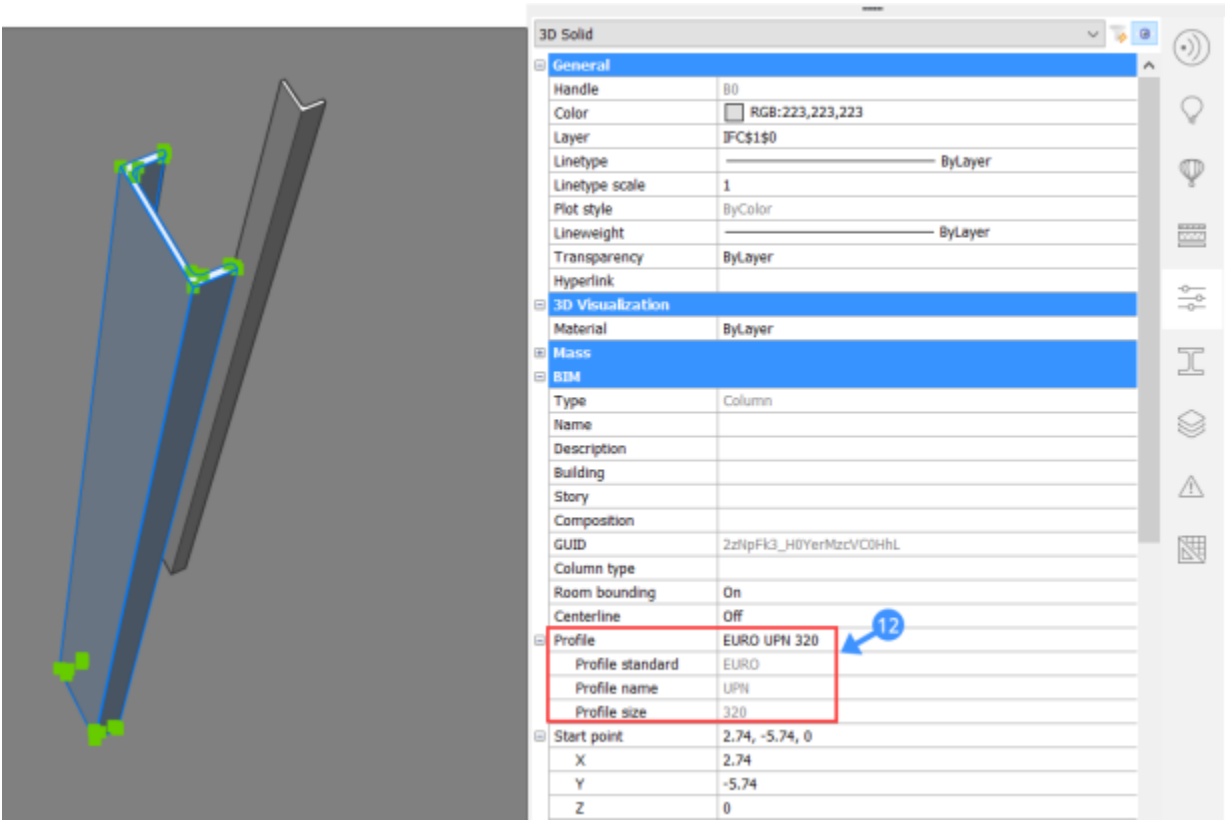
- 6. ""
- 7. /""
- 8. 11



IFC

IFC

When importing profiles from an IFC file to THCAD, the profiles will be assigned with proper Profile Standard, Profile Name and Profile Size in the Properties Panel (12).



Supported IFC Classes

Following IFC Classes are supported by THCAD BIM. These are the same categories as the classify options in the BIMClassify command.

IfcWall
IfcBeam
IfcColumn
IfcSlab
IfcStair
IfcStairFlight
IfcRamp
IfcRampFlight
IfcRailing
IfcCurtainWall
IfcRoof
IfcBuildingElement
IfcSite
IfcGridAxis
IfcGrid
IfcAnnotation
IfcWindow
IfcDoor
IfcCovering
IfcFurnishingElement
IfcOpening
IfcDistributionControlElement
IfcDistributionPort
IfcDistributionFlowElement
IfcDistributionChamberElement
IfcEnergyConversionDevice
IfcFlowFitting
IfcFlowController
IfcFlowMovingDevice
IfcFlowSegment
IfcFlowStorageDevice
IfcFlowTerminal
IfcFlowTreatmentDevice
IfcMember
IfcFooting
IfcPile
IfcReinforcingBar
IfcReinforcingMesh
IfcTendon
IfcTendonAnchor
IfcPlate
IfcDiscreteAccessory
IfcFastener
IfcMechanicalFastener
IfcSpace

BimAnalyticalModelCIS / 2IFC

- 1. BIM>>>
- 2. **AMExportFormat1**IFC0CIS / 2

""BimAnalyticalModel

Analytical Model

IFC/

THCAD/IFC///

txt

- /
- /
IFCTHCAD

IfcWall BimDbColumn

In case of Export, you first write the THCAD class, followed by the IFC class in which the entities should be exported. For example:

BimDbWall IfcColumn

Note: when an IFC or BimDB entity isn't listed in the Import or Export mapping file, the default mapping will be used.

- **Exclude an entity from the Import/Export**
Write the IFC or BimDb entity followed by 'skip'.

For example for Import:

IfcWall skip

For example for Export:

BimDbWall skip

- **Import/Export only the listed entities**
List the entities that should be imported/exported followed by '* skip' on the next line. The asterix refers to all not listed entities.

* skip

- **Import/Export all not listed entities by the same special mapping**
Write the asterix followed by the name of the class in which the entities should be imported.

For example for Import:

* BimDbWall

For example for Export:

* IfcWall

- **Import/Export entities by default mapping when using the asterix**
If you used one of the two previous options to skip all entities except the listed ones or to Import/Export by special mapping, you can still Import /Export entities by default mapping. Use the same text as you use to Import/Export an entity by special mapping. Instead of writing a special mapping next to the entity, write the default class or write 'default'.

For example for Import:

IfcWall BimDbWall
or
IfcWall default

For example for Export:

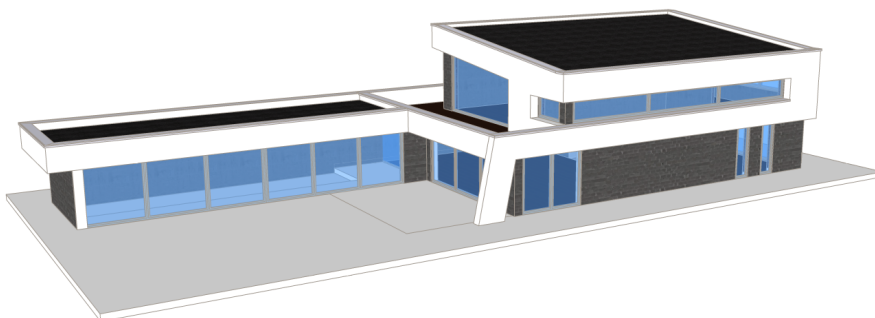
BimDbBeam IfcBeam

BimDbBeam

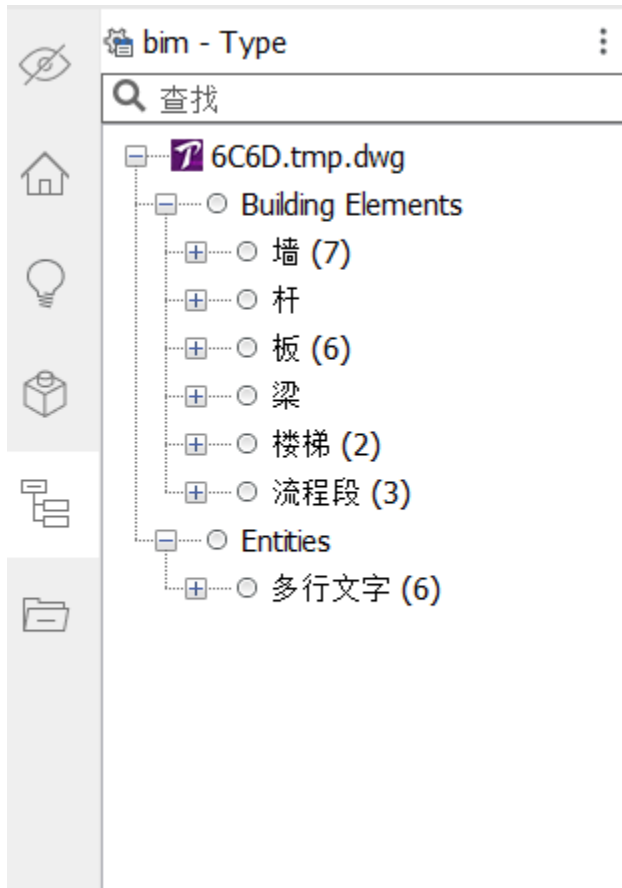
"IFC"/

IFC

1. THCAD



2.



'''

IFC

3. txtASCII

4. " IFC/"txt

- BimDbIFCIFC
-
- THCADIfcWallStandardCaseIfcWall

/

5. txt

-
- THCAD
- BimDbWindow
- BimDbCurtainWall
- BimDbDoor
- BimDbSpace
- THCAD
- BimDbBeam IfcWall
- BimDbWindow
- BimDbCurtainWall
- BimDbDoor
- BimDbSpace
- BimDbBeam IfcWall

'''

6.

7. THCAD

8.

- EnterBIM>> IFC>

IFC

导入空间

导入境 BIM 数据

导入模型位置

导入参数组件

将IFC项目结构导入为外部参照

将BREP几何体导入为网格

将IFC网格导入为细分网格

导入：如何从数据库导出到对应的几何形

导入映射文件路径

导出基本数量

在OFF和FROZEN层导出元素

在IFC空间结构中分解外部引用

细分复杂的曲线和曲面

始终将扫描的实体导出为BRep

导出轮廓重心

导出映射文件路径

将各层对象导出为聚合对象

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[1] WCS后匹配IFC 项目位置位置

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IFCExportMappingPath

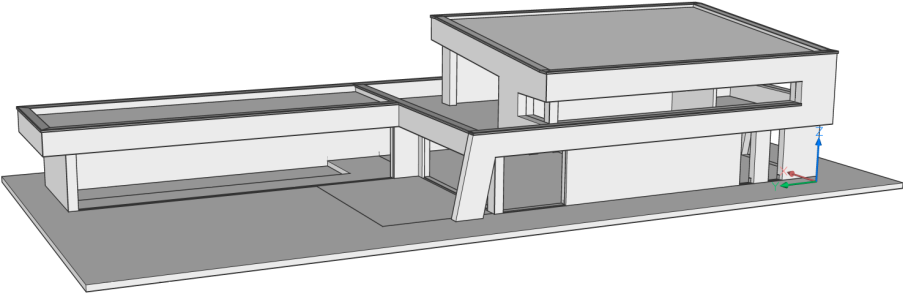
IFCEXPORTMAPPINGPATH<"">

Enter

9. EnterTHCAD

10. ".ifcIFC

11. IFCIFCTHCAD



IFCBIMIFC