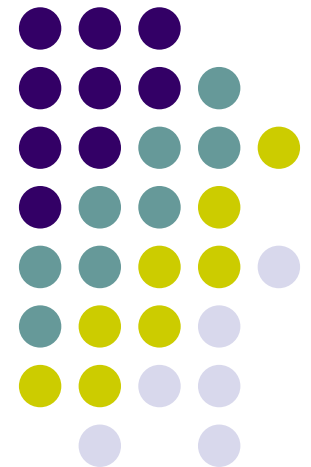


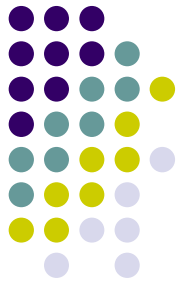
IFC2SKP Plug-in Installation Guide

SECOM Co. Ltd.
Intelligent Systems Lab.



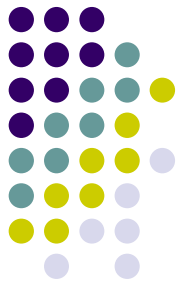
Installation

1. Google SketchUp Ver.6
2. IFC2SKP Plug-in



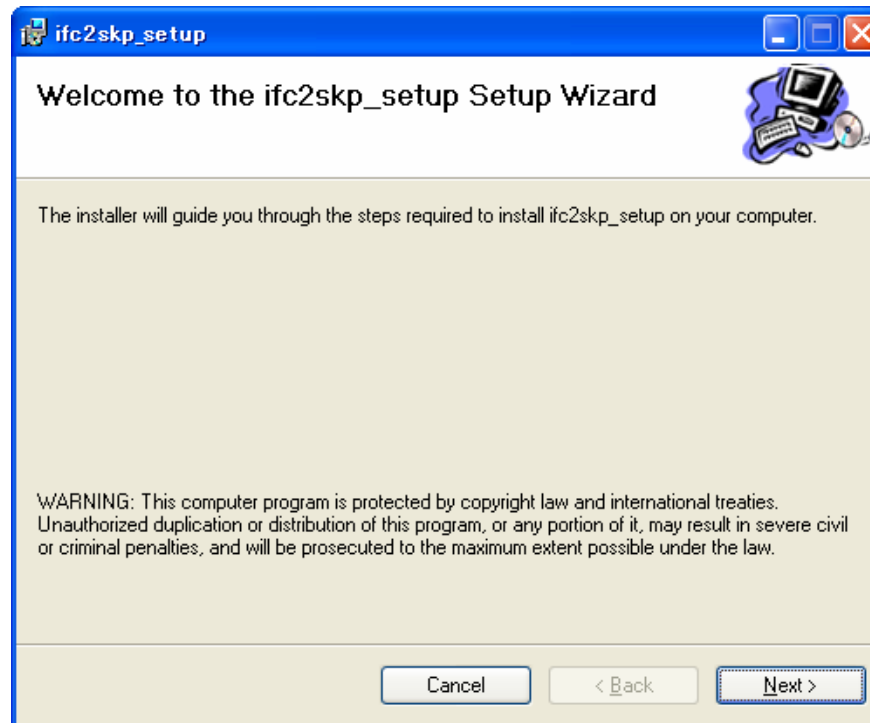


Installation of IFC2SKP Plug-in



Installation of IFC2SKP Plug-in

- Run ifc2skp_setup.msi
 - Click “Next”.

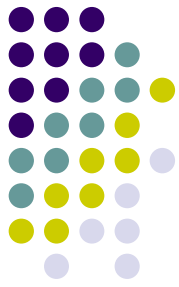




Installation of IFC2SKP Plug-in

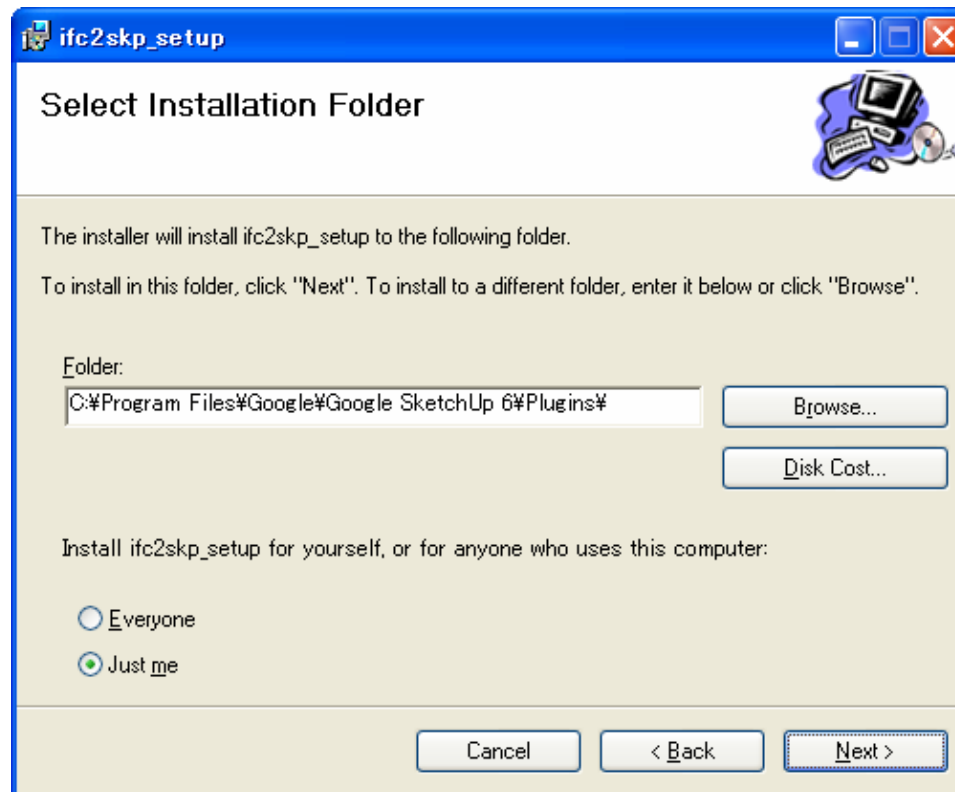
- Confirmation of the License Agreement
 - Select “I Agree”.
 - Click “Next”.

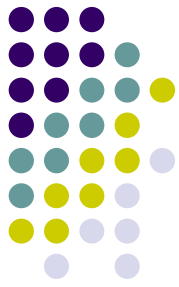




Installation of IFC2SKP Plug-in

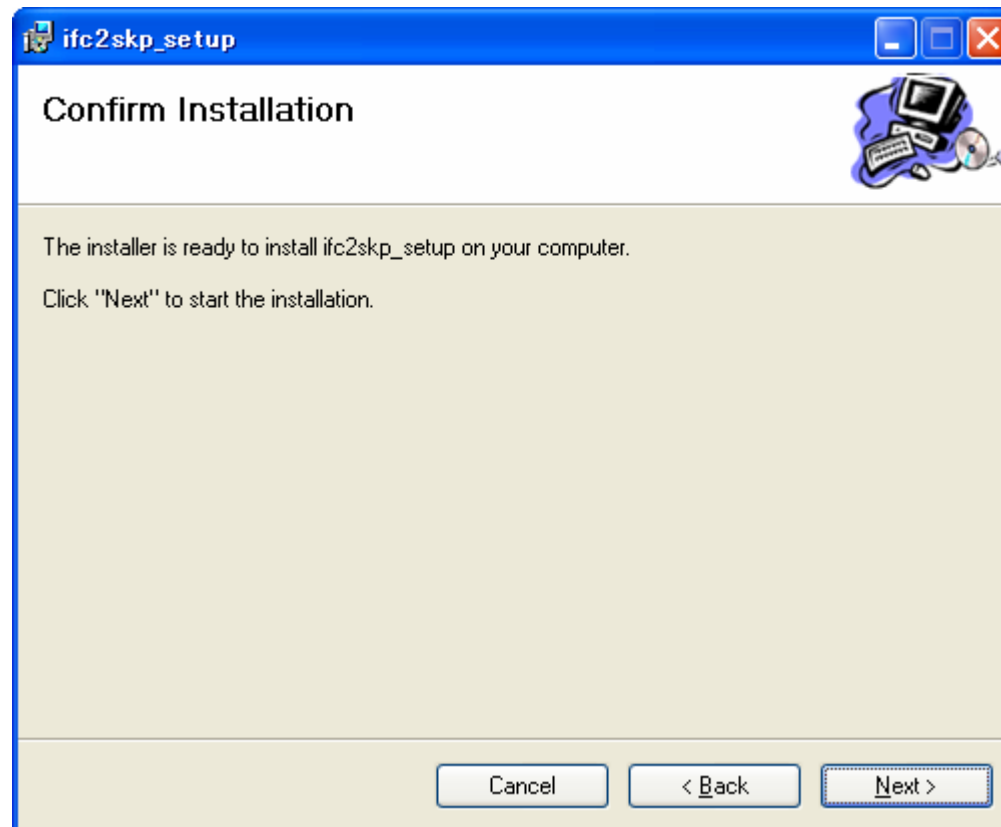
- Select Installation Folder
 - Choose “Everyone” or “Just me”.
 - Click “Next”.

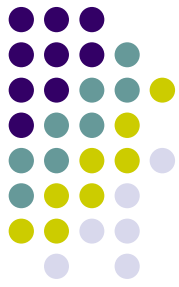




Installation of IFC2SKP Plug-in

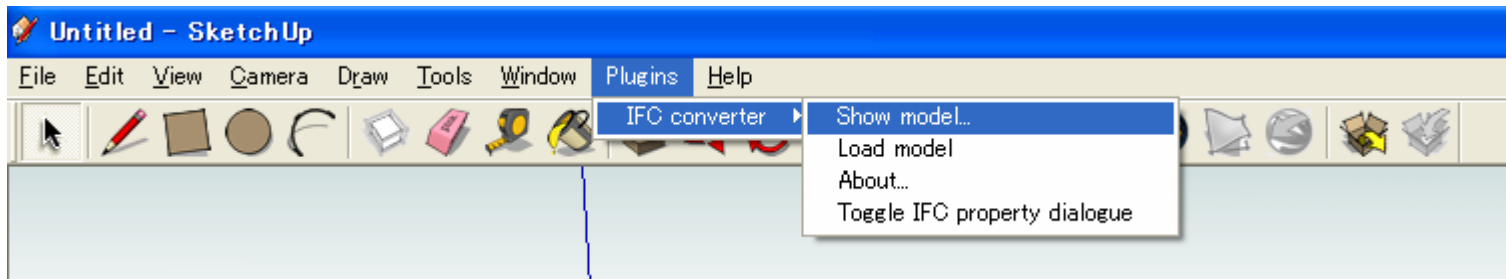
- Confirm Installation
 - Click “Next”.





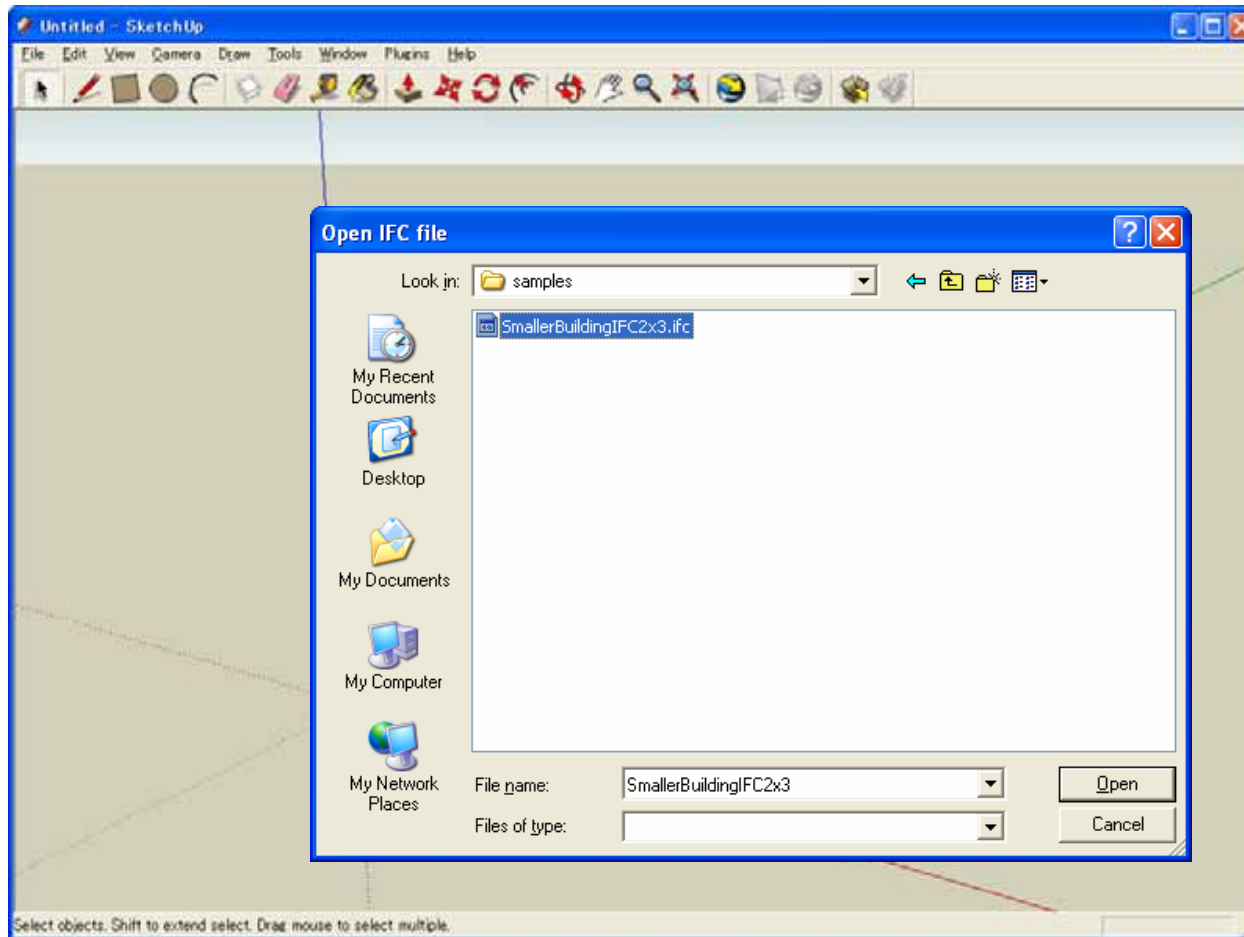
Starting IFC2SKP Plug-in

- Select “Show model” mode.
 - Go to “Plugins” and “IFC converter”.
 - Select “Show model”.





Select IFC data



For example: C:\Program Files\Google\Google SketchUp 6\Plugins\RIFCsvr\samples



Select Conversion Options

Project name, schema, and time stamp.

Entity list to show

Choose a building storey. "All" means that whole IFC model will be converted.

Show property dialog

Filter by geometric context. For IFC experts.

Click to convert.

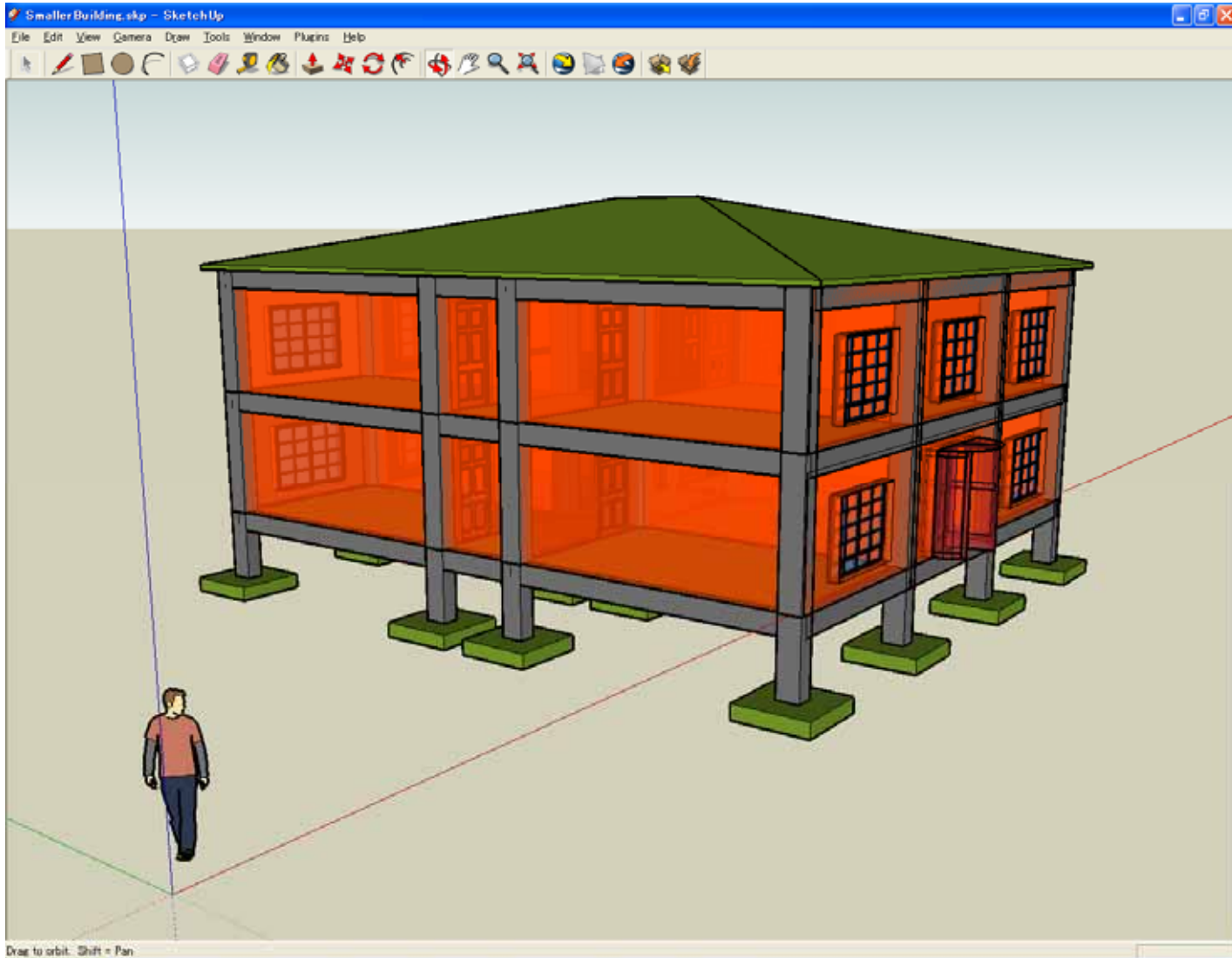
Set color for the building elements shown below.

Description	Value
Description	ArchiCAD 10.00 Release 1 generated IFC file.
Description	Build Number of the Ifc 2x3 interface: 63029 (30-11-2006)
Author	Architect
Organization	Building Designer Office

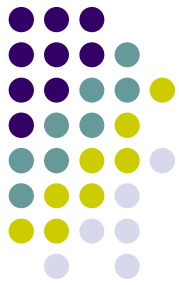
Floor to show:	Objects to show:	Context:
ALL	<input checked="" type="checkbox"/> IfcWall <input checked="" type="checkbox"/> IfcSlab <input checked="" type="checkbox"/> IfcColumn <input checked="" type="checkbox"/> IfcBeam <input checked="" type="checkbox"/> IfcWindow <input checked="" type="checkbox"/> IfcDoor <input checked="" type="checkbox"/> IfcRailing <input checked="" type="checkbox"/> IfcStair <input type="checkbox"/> IfcSpace	<input type="checkbox"/> Filter by Context (Beta) Content Type: Design Content Identifier: Plan Revit RBHD Default

Object	Color	Value
IfcWindow	Cornflower Blue	0.2
IfcDoor	Brown	0.5
IfcColumn	DimGray	1.0
IfcBeam	DimGray	1.0
IfcWall	OrangeRed	0.5
IfcSlab	OliveDrab	1.0
IfcRailing	DimGray	1.0
IfcStair	DimGray	1.0
IfcSpace	White	0.1

Conversion Result



Showing properties



Click a building element to show its properties.

Toggle IFC Property Dialog appearance.

IFC plugins

IfcExtrudedAreaSolid: Selected Drawing Element

Name	Value
guid	
name	
p21id	32632
type	IfcExtrudedAreaSolid

IfcWallStandardCase: Entity information

Name	Value
guid	1Ck8kDcFr@Lfj0rGsGeFaU
name	
p21id	32570
type	IfcWallStandardCase

NO NAME

Name	Value	Unit	Description
NetVolume	1.542375		OTO_CLASSIFICATION
NetFootprintArea	0.82125		OTO_CLASSIFICATION
NetSideAreaLeft	6.855		OTO_CLASSIFICATION
NetSideAreaRight	6.855		OTO_CLASSIFICATION

IFC converter

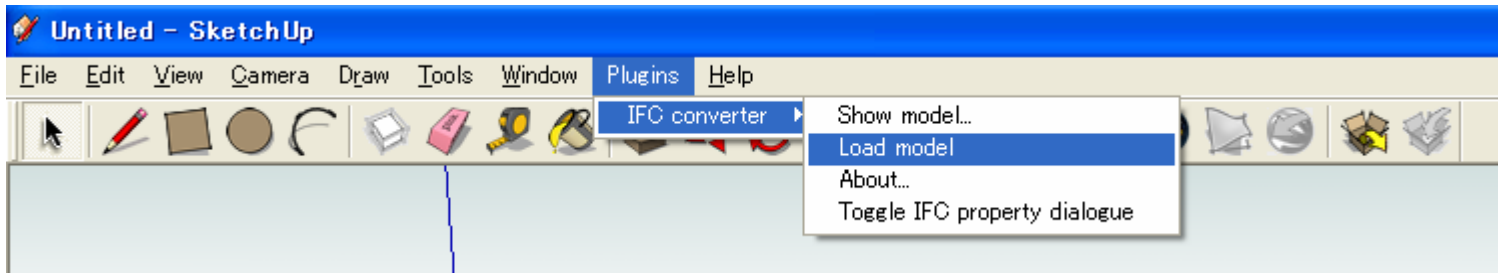
- Show model...
- Load model
- About...
- Toggle IFC property dialogue

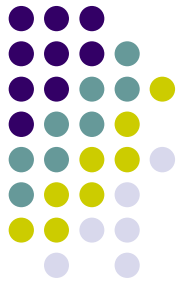
Select objects. Shift to extend select. Drag mouse to select multiple.



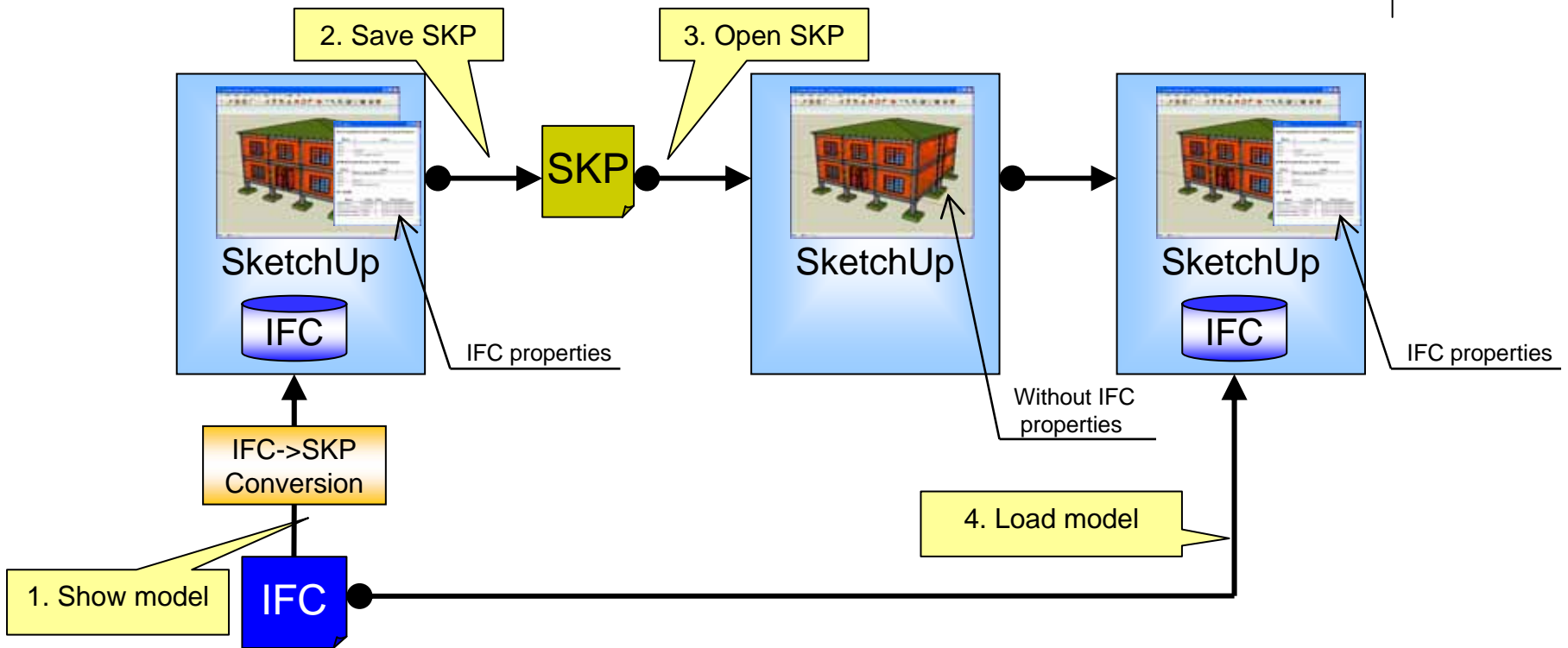
Loading IFC model into SketchUp model

- Select “Load model” mode.
 - Go to “Plugins” and “IFC converter”.
 - Select “Load model”.

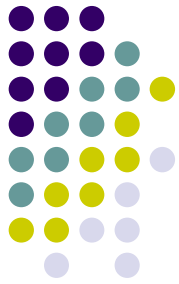




Loading IFC model into SketchUp model

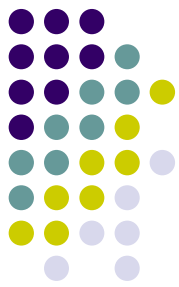


“Load model” function enables to avoid the additional conversion for the same IFC model.



IFC2SKP Plug-in Samples

Viewing BIM



BC_AC10.skp - SketchUp

File Edit View Camera Draw Tools Window Plugins Help

IFC plugin

IfcBooleanClippingResult: Selected Drawing Element

Name	Value
guid	
name	
p21id	518936
type	IfcBooleanClippingResult

IfcWallStandardCase: Entity information

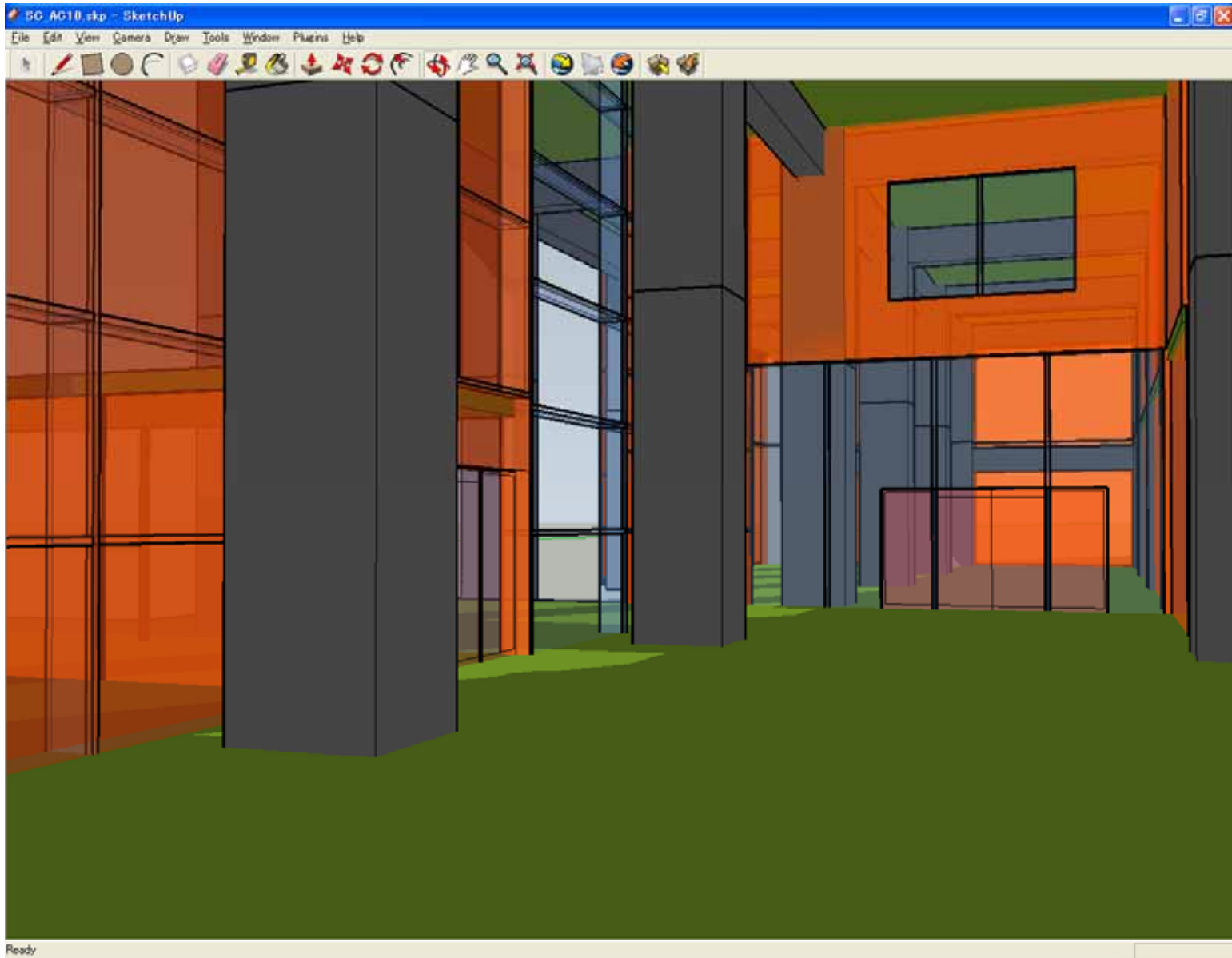
Name	Value
guid	0J884uubP5A9sENSAU5qdd
name	
p21id	518830
type	IfcWallStandardCase

BaseQuantities

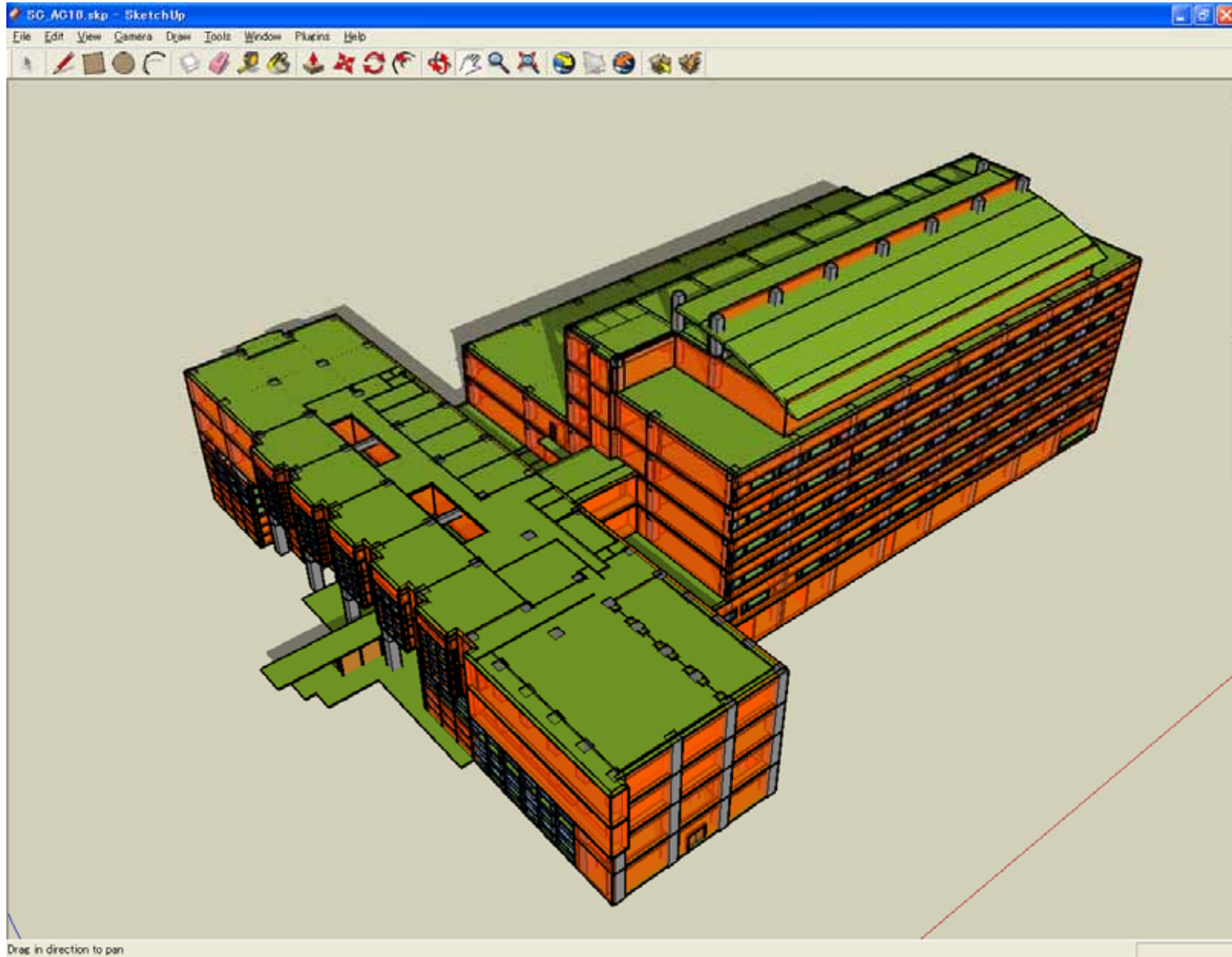
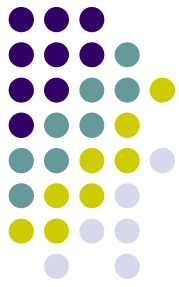
Name	Value	Unit	Description
Width	360.0		QTO_CLASSIFICATION
Height	3900.0		QTO_CLASSIFICATION
NetVolume	22.174569		QTO_CLASSIFICATION
NetFootprintArea	5.7371991		QTO_CLASSIFICATION
NetSideArea	62.267071		QTO_CLASSIFICATION
Length	16139.992		QTO_CLASSIFICATION
GrossSideArea	62.94597		QTO_CLASSIFICATION
GrossFootprintArea	5.8103973		QTO_CLASSIFICATION
GrossVolume	22.660549		QTO_CLASSIFICATION

Select objects. Shift to extend select. Drag mouse to select multiple.

Sample test



Sample test





IFC2SKP Plug-in for Google SketchUp Ver.6
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