

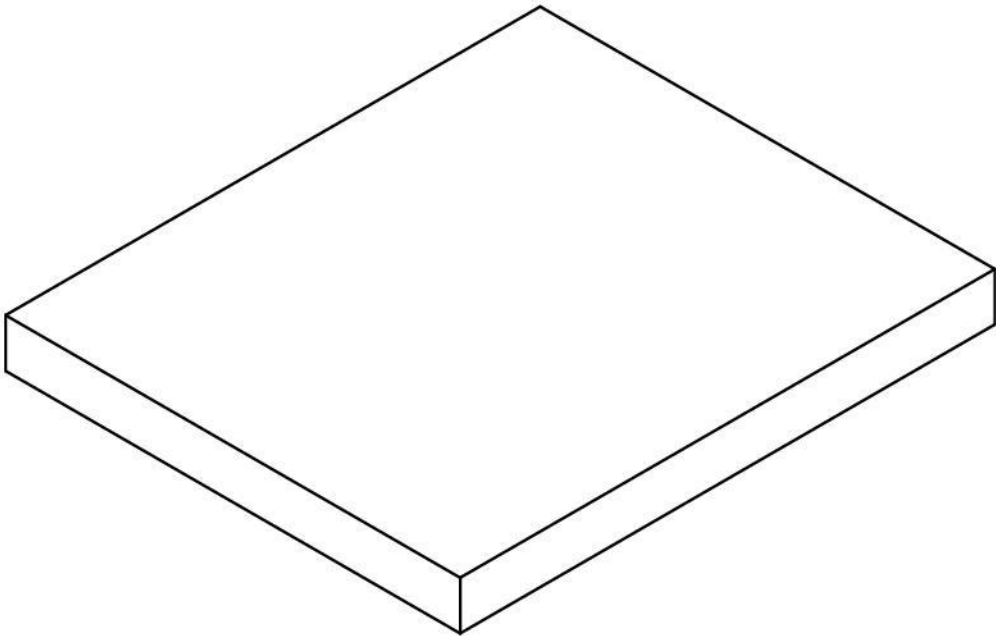
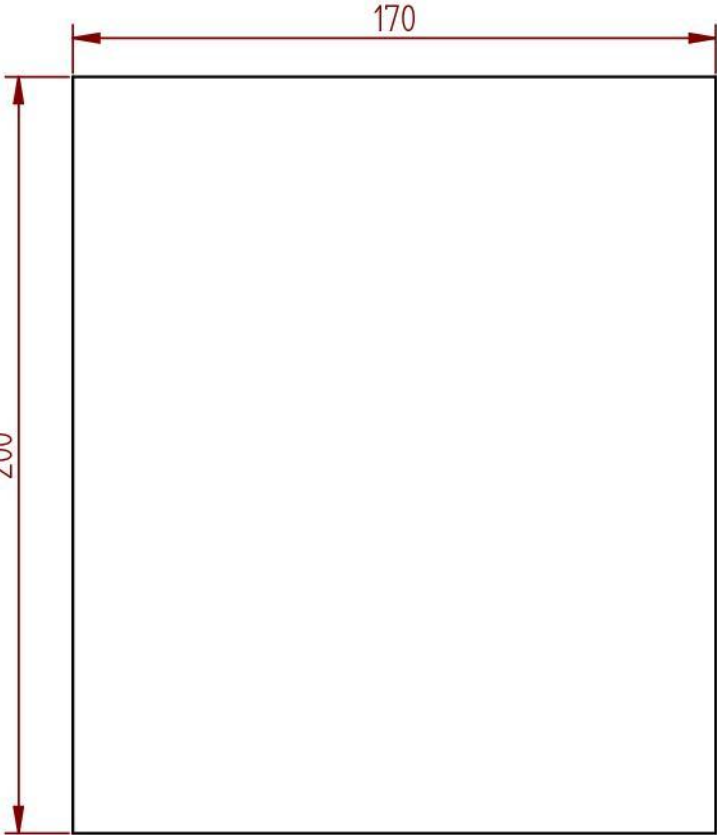
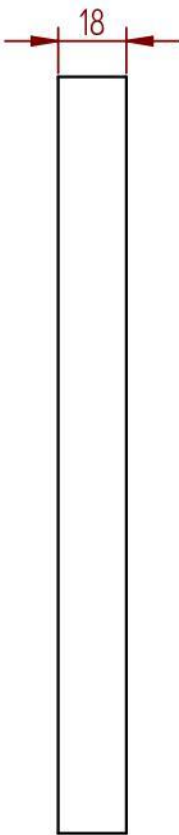



SOLID EDGE


VELOCITY SERIES





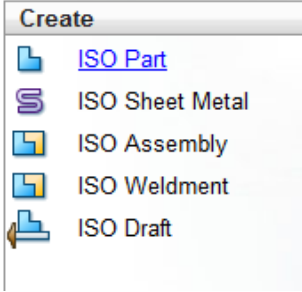
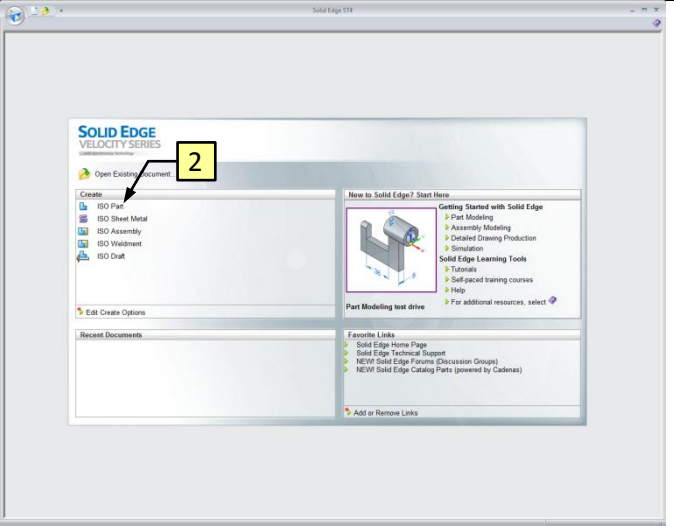


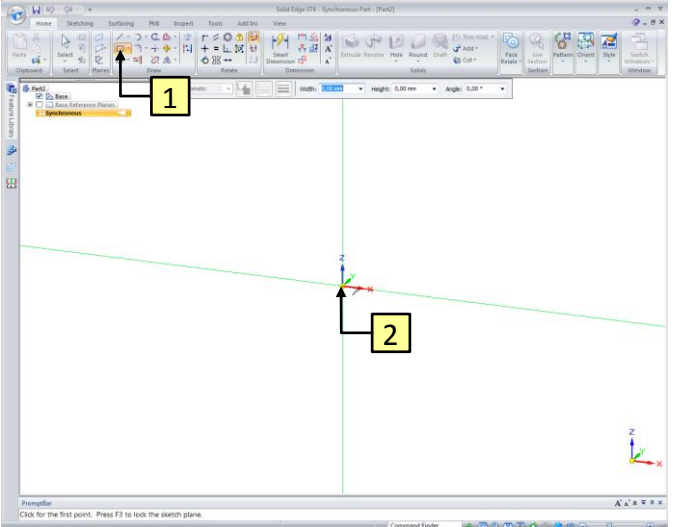

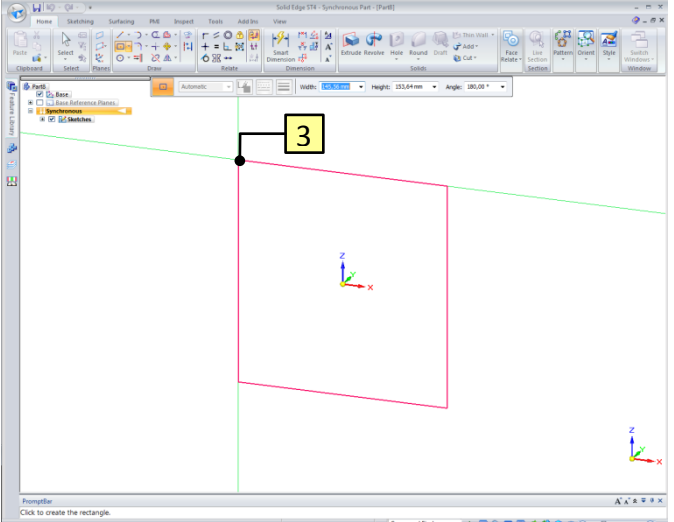
*Tutorial: **Roof***


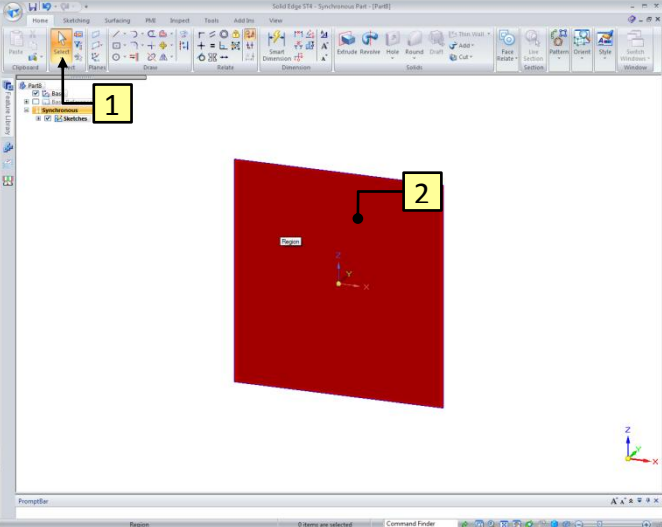

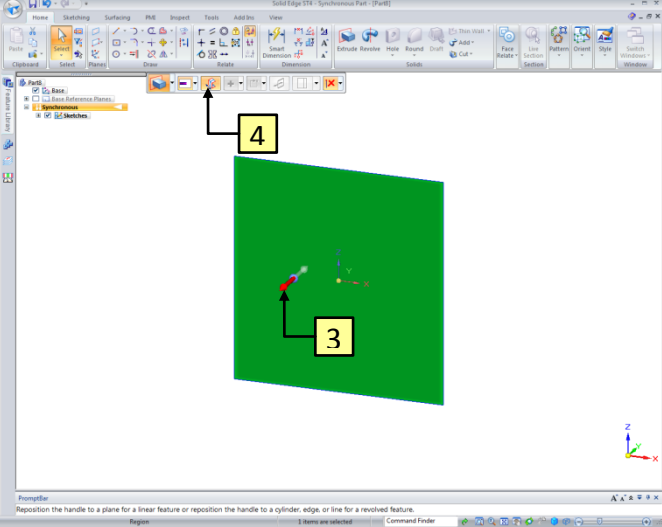

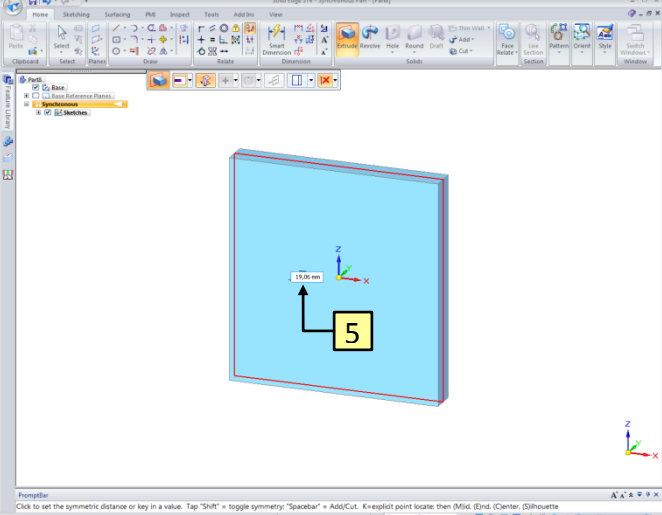
*Project: **Bird House (Synchronous)***


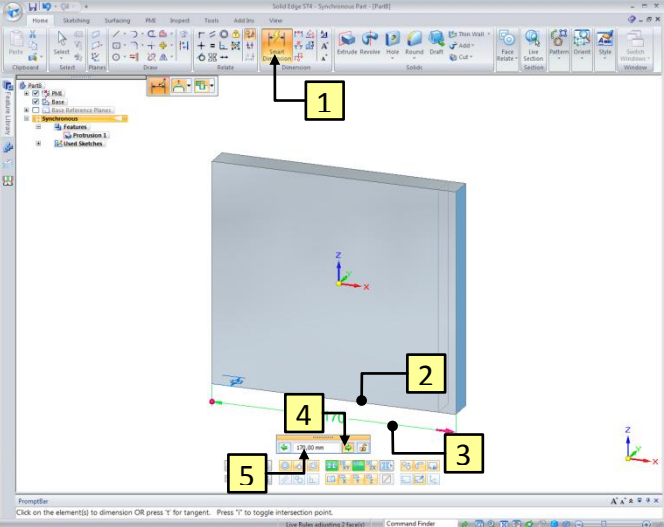

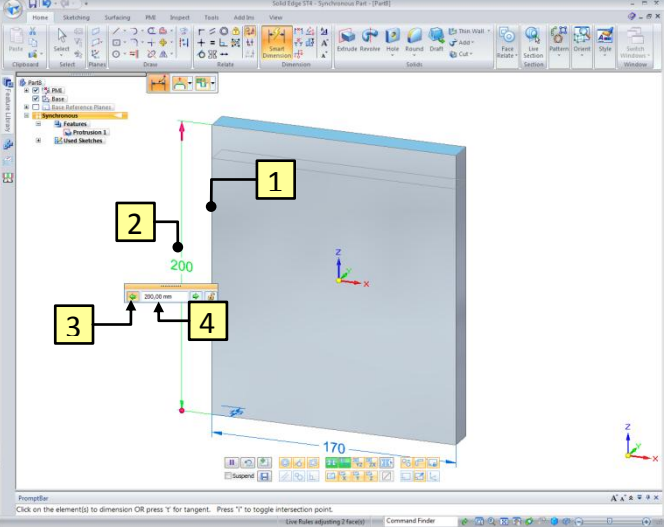

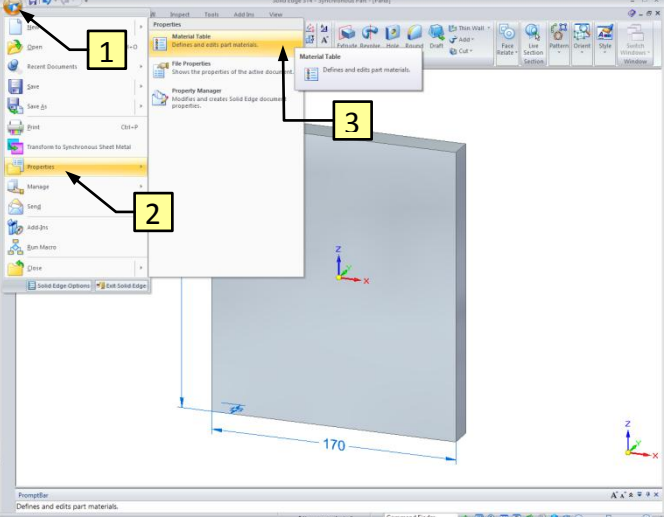
	1	2	3	4										
A														
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F	<table border="1"> <tr> <td rowspan="3"> AMERICAN PROJECTION  </td> <td>SCALE : 1:2</td> <td colspan="2">AUTHOR : Ruben</td> </tr> <tr> <td>DIMENSION UNITS : MM</td> <td colspan="2">CLASS (DEPARTMENT) : -</td> </tr> <tr> <td>DATE : 15-10-2011</td> <td colspan="2">CHECKED BY : -</td> </tr> </table>				AMERICAN PROJECTION 	SCALE : 1:2	AUTHOR : Ruben		DIMENSION UNITS : MM	CLASS (DEPARTMENT) : -		DATE : 15-10-2011	CHECKED BY : -	
AMERICAN PROJECTION 	SCALE : 1:2	AUTHOR : Ruben												
	DIMENSION UNITS : MM	CLASS (DEPARTMENT) : -												
	DATE : 15-10-2011	CHECKED BY : -												
MATERIAL : Wood, Oak PROJECT : Birdhouse		TITEL : Roof		NUMBER : 1003										
				REV: A SIZE: A4										



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<p>1</p>  <p>+</p> 	<ol style="list-style-type: none"> 1. Start Solid Edge. 2. Click on ISO Part. 	
<p>2</p> 	<ol style="list-style-type: none"> 1. Click the Rectangle by Center button. 2. Point at the Origin and wait until the  icon appears before clicking. 	
<p>3</p> 	<ol style="list-style-type: none"> 3. Click to place the Rectangle. 	

<p>4</p> 	<ol style="list-style-type: none"> 1. Click the Select button. 2. When you hover over the Region, it will turn red. Click on the Region, as shown. 	
<p>5</p> 	<ol style="list-style-type: none"> 3. When you hover over the arrow, it will turn red. Click on the arrow, as shown. 4. Click the Extrude – Symmetric button. 	
<p>6</p> 	<ol style="list-style-type: none"> 5. Key in the value 18 and confirm with Enter. 	

<p>7</p> 	<ol style="list-style-type: none"> 1. Click the Smart Dimension button. 2. Click on the horizontal line. 3. Click to place the dimension. 4. Click on the right green arrow. 5. Key in the value 170 and confirm with Enter. 	
<p>8</p> 	<p>If the Smart Dimension is still active.</p> <ol style="list-style-type: none"> 1. Click the left vertical line. 2. Click to place the dimension. 3. Click on the left green arrow. 4. Key in the value 250 and confirm with Enter. 	
<p>9</p> 	<p>Now we set the material property.</p> <ol style="list-style-type: none"> 1. Click the Application Button. 2. Click on Properties. 3. Click the Material Table. 	

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1. Choose the material **Wood, Oak**.
2. Click **Apply to Model** to set the material to the part.

Hint:

There are several properties which are connected to a material, like color and density. The density is necessary to determine the weight.

Solid Edge Material Table

Material: Wood, Oak 1

Settings: Material Properties

Property Name	Value
Density	631,000 kg/m ³
Coef. of Thermal Exp.	0,0000 /C
Thermal Conductivity	0,000 kW/m-C
Specific Heat	0,000 J/kg-C
Modulus of Elasticity	0,000 MegaPa
Poisson's Ratio	0,000
Yield Stress	0,000 MegaPa
Ultimate Stress	0,000 MegaPa
Elongation %	0,000

Add to Library Update in Library Delete from Library

Description
Material Definition = Wood, Oak, Face Style = Tan, Fill Style = Wood (Radial), Rendering Material = Polished oak

2 Apply to Model Cancel Help

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The part is ready. Now it must be saved.

1. First press **Ctrl** and **i** to turn the image to isometric view.
2. Click on the floppy icon.
3. Go to the **Summary** tab.
4. Type *Roof* at Title.
5. Go to the **Project** tab and fill in the following properties:
Document Number: 1003.
Revision Number: A.
Project Name: *Bird House*.
6. Click **OK** to close the screen.

Hint:

All properties of the part are saved at the **File Properties**. These properties will be used by making a drawing or part list.

Part4 Properties

General Summary 3 Units Project 5 Preview Custom

Title: Roof 4

Subject:

Author: Ruben

Manager:

Company: CAAP

Category:

Keywords:

Comments:

Template: Iso Part.par

6 OK Cancel Help

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1. Browse to the folder named *Bird House*.
2. Save the document by name *Bird House-1003-Roof-A.par*.
3. Click the **Save** button.
4. Close the file.

Hint:

Save all files of one project in the same folder.

