

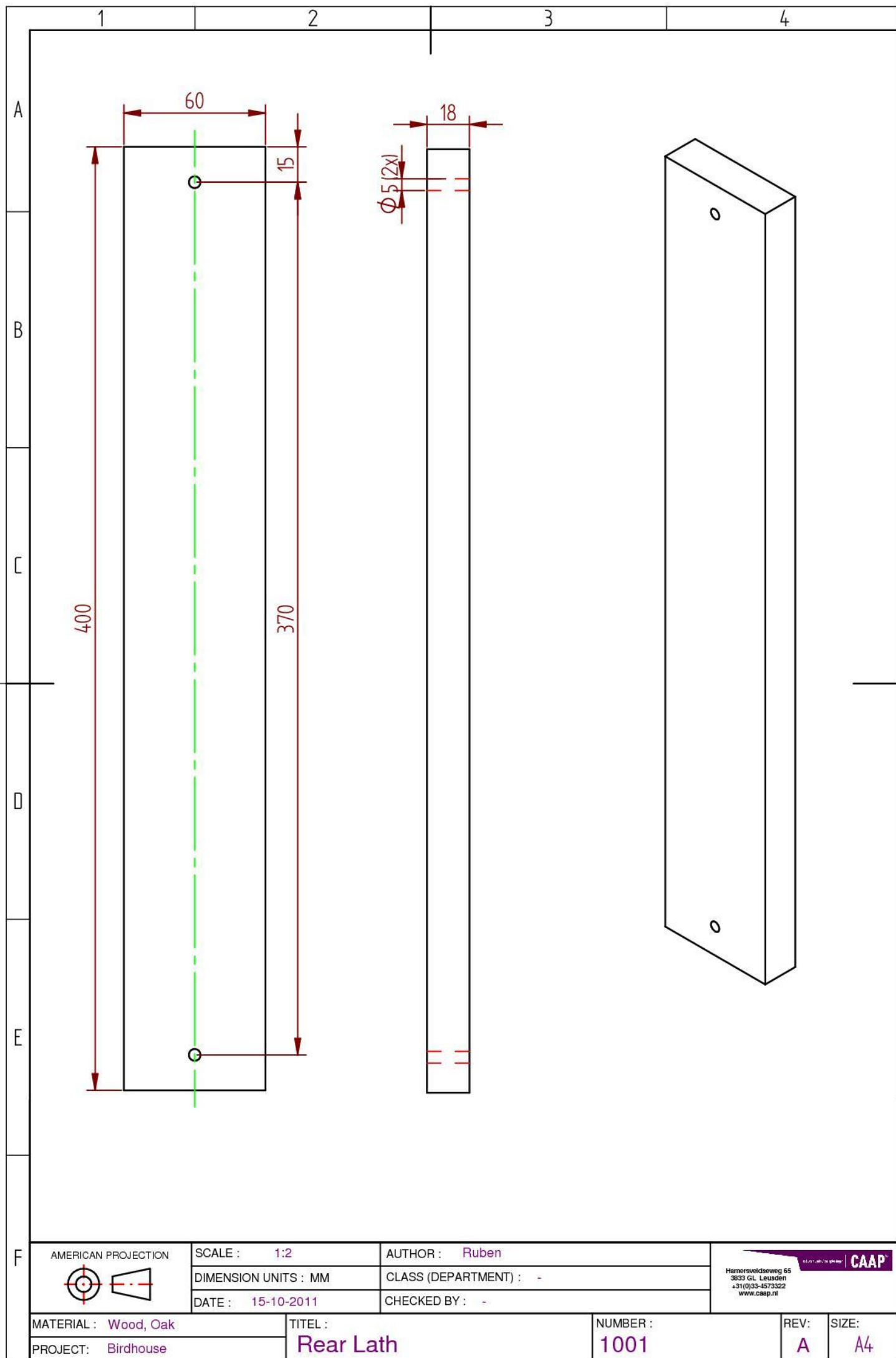
SOLID EDGE



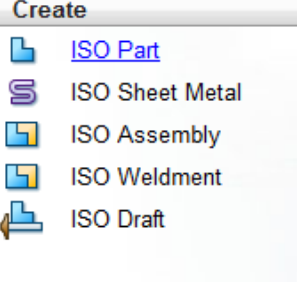
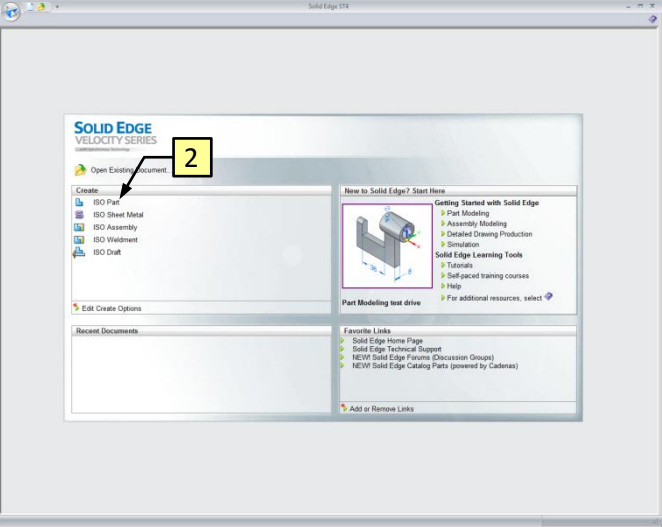


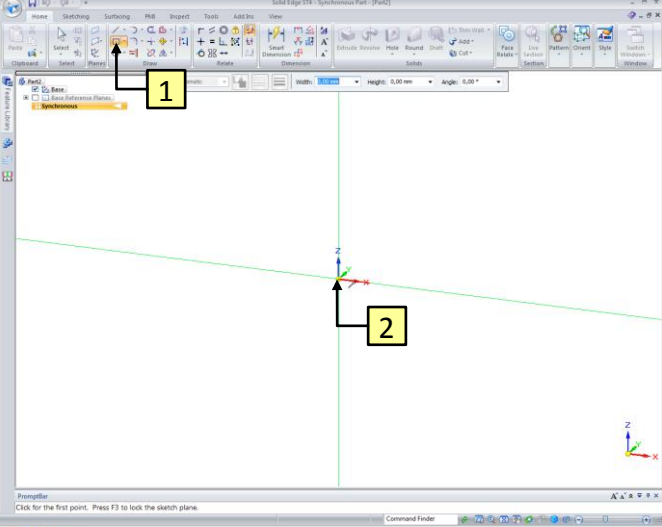

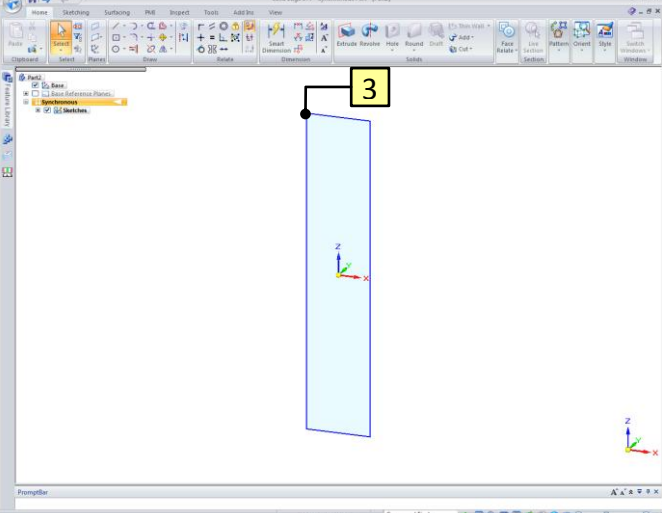
VELOCITY SERIES


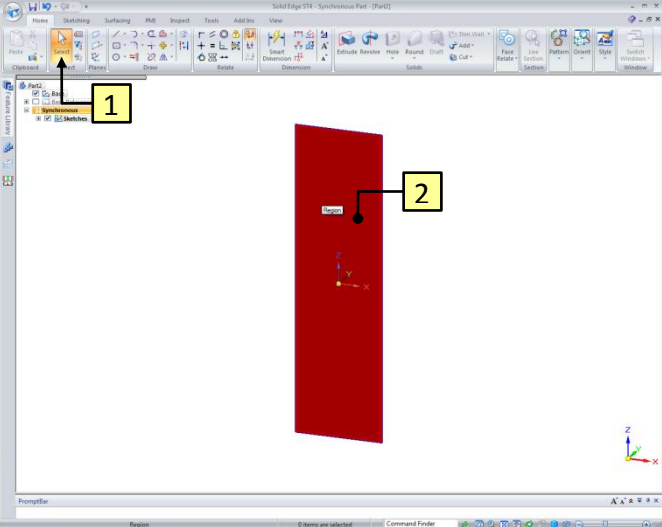

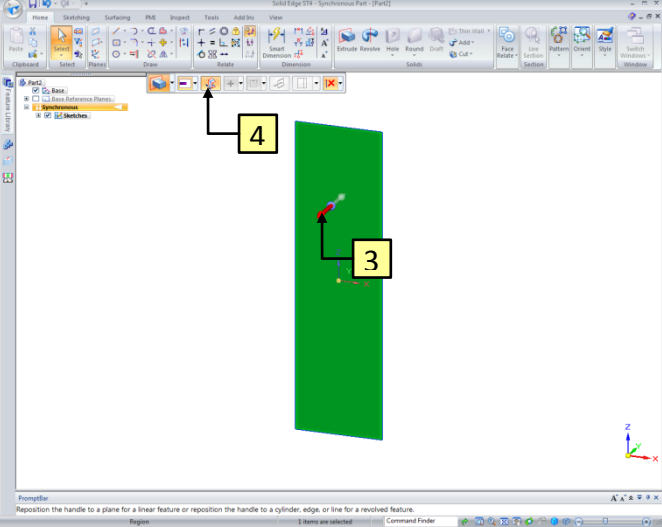

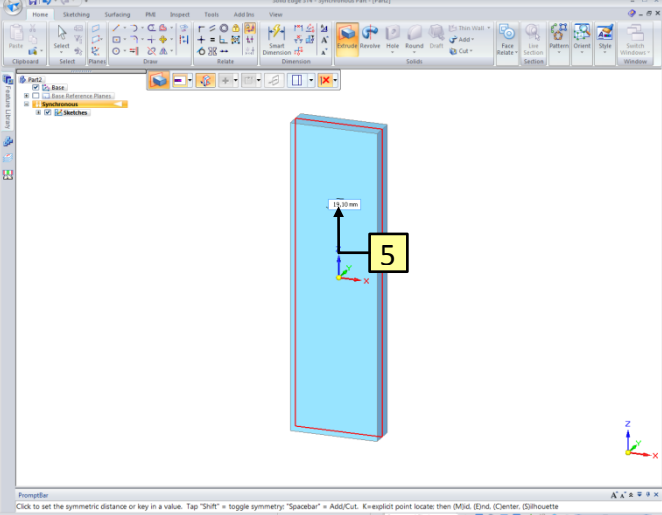



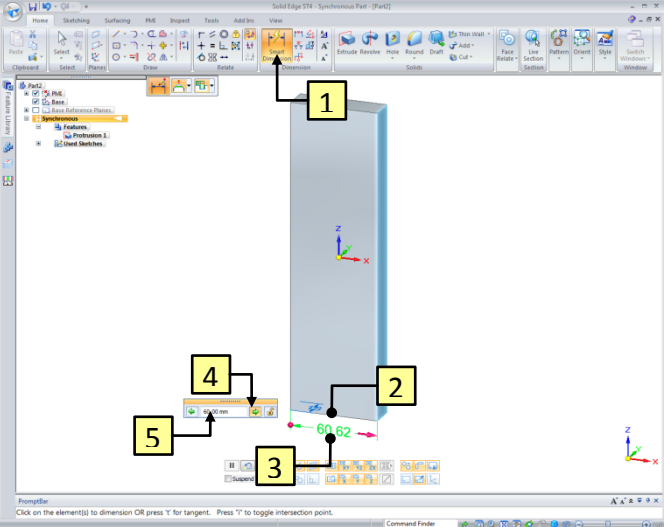

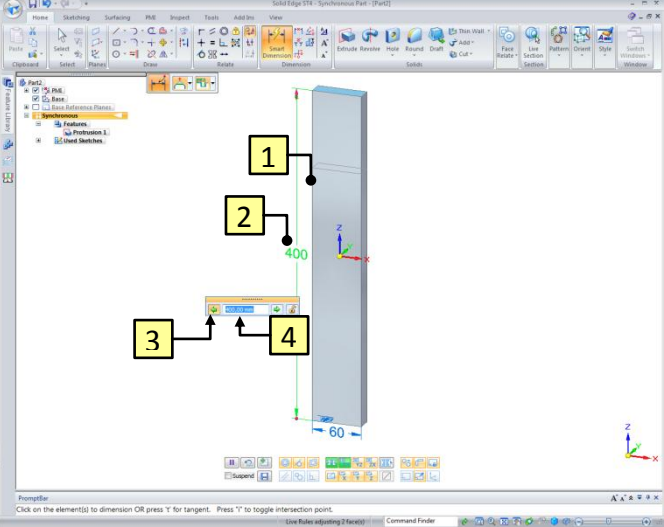


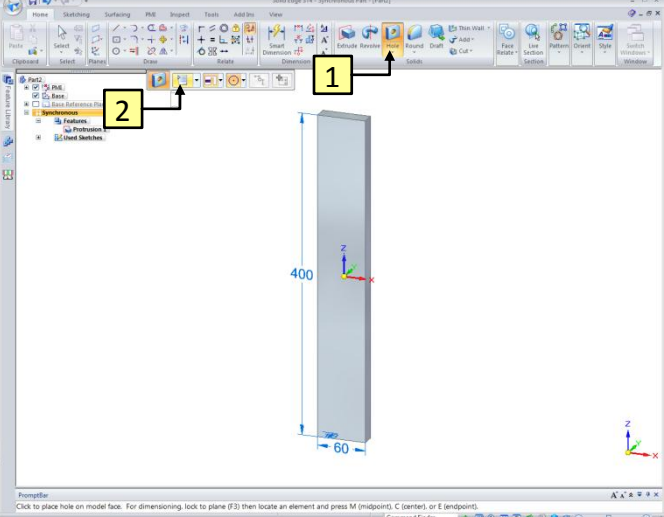
*Tutorial: **Rear Lath***


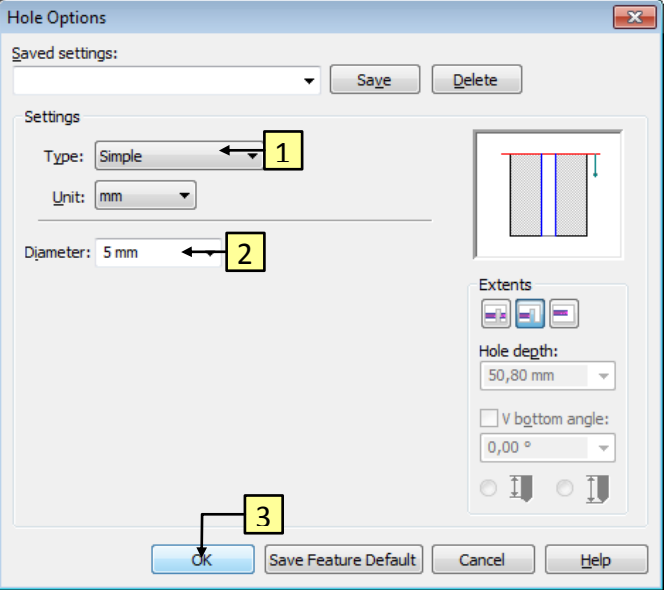

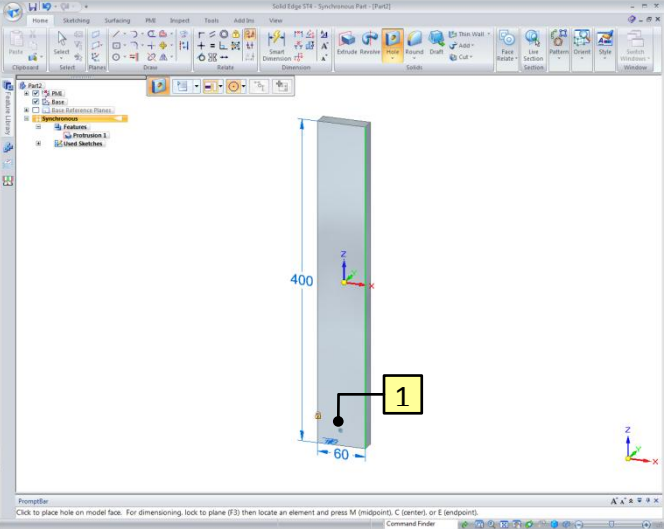

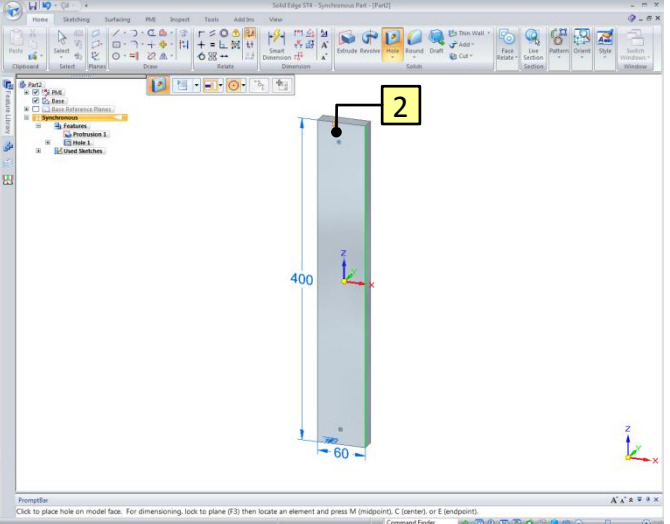
*Project: **Bird House (Synchronous)***


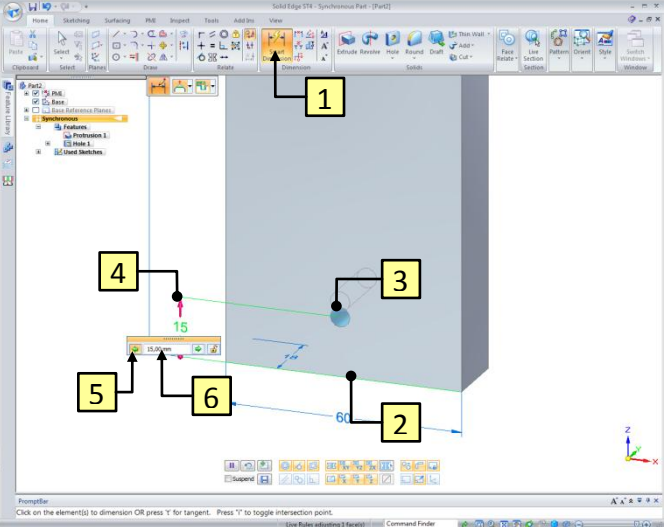

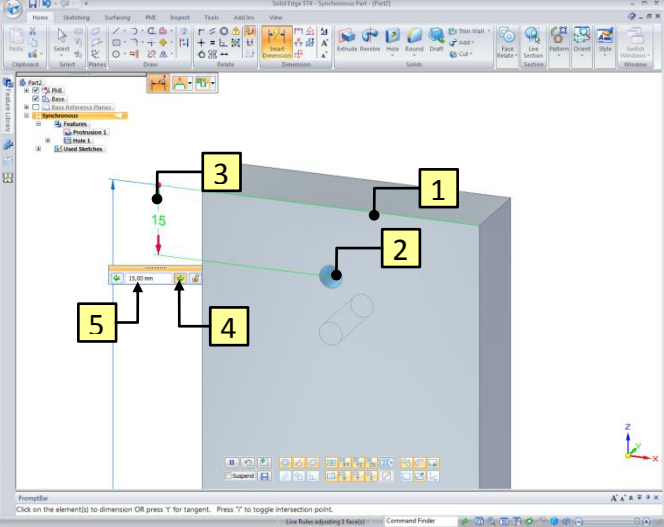

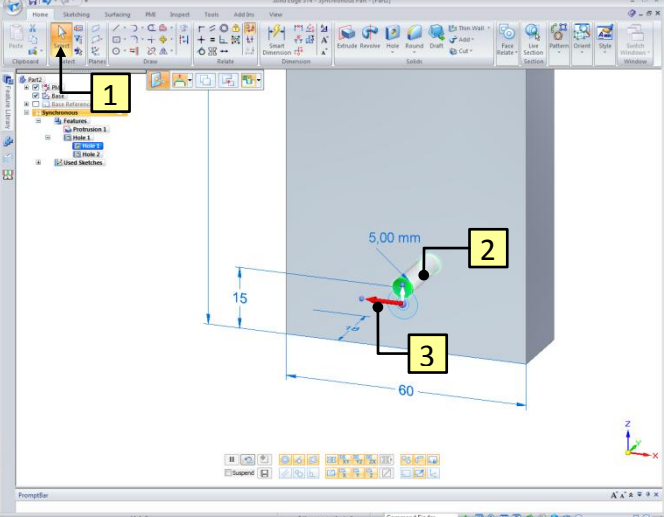


<p>1</p>  <p>+</p> 	<ol style="list-style-type: none"> 1. Start Solid Edge. 2. Click on ISO Part. 	
<p>2</p> 	<ol style="list-style-type: none"> 1. Click the Rectangle by Center button. 2. Point at the Origin and wait until the  icon appears before clicking. 	
<p>3</p> 	<ol style="list-style-type: none"> 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 60 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 400 and confirm with Enter. 	
<p>9</p>  <p>+</p> 	<ol style="list-style-type: none"> 1. Click the Hole button. 2. Click on the Hole Options. 	

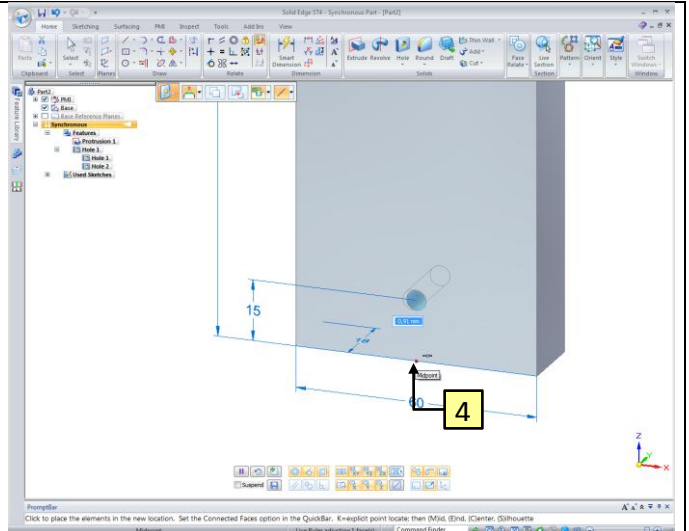
<p>10</p> 	<p>Fill in the Hole Options, as shown.</p> <ol style="list-style-type: none"> 1. Type: Simple; 2. Diameter: 5; 3. Click the OK button. 	
<p>11</p> 	<ol style="list-style-type: none"> 1. Hold the cursor on the front plane, as shown. Click to place the Hole. 	
<p>12</p> 	<ol style="list-style-type: none"> 2. Click on the front plane to place the second Hole. 	

<p>13</p> 	<ol style="list-style-type: none"> 1. Click the Smart Dimension button. 2. Click on the horizontal line. 3. Click on the Hole. 4. Click to place the dimension. 5. Click on the left green arrow. 6. Key in the value 15 and confirm with Enter. 	
<p>14</p> 	<p>If the Smart Dimension is still active.</p> <ol style="list-style-type: none"> 1. Click on the horizontal line. 2. Click on the Hole. 3. Click to place the dimension. 4. Click on the right green arrow. 5. Key in the value 15 and confirm with Enter. 	
<p>15</p> 	<ol style="list-style-type: none"> 1. Click the Select button. 2. Click on the Hole below. 3. When you hover over the arrow, it will turn red. Click on the arrow, as shown. 	

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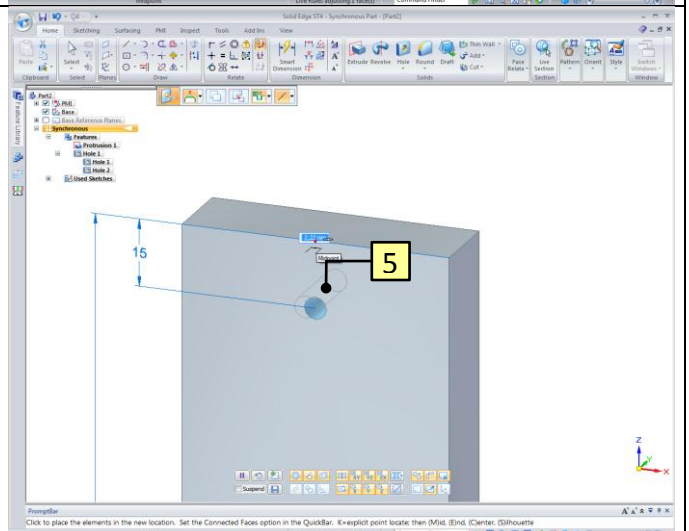
4. Point at the middle point of the horizontal line and wait until the  icon appears before clicking.



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5. Repeat steps 15 and 16, to centre the other Hole. Wait until the  icon appears.

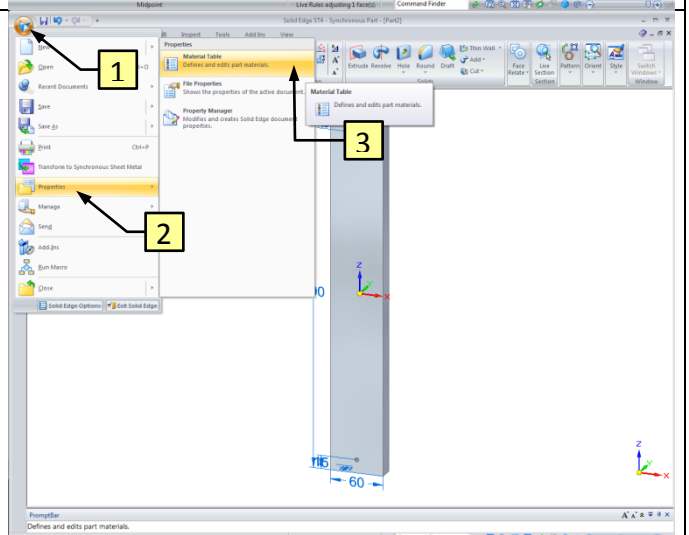


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Now we set the material property.

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

Apply to Model (2) 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 *Rear Lath* at Title.
5. Go to the **Project** tab and fill in the following properties:
Document Number: *1001*.
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.

Part2 Properties

General Summary (3) Units Project (5) Preview Custom

Title: Rear Lath (4)

Subject:

Author: Ruben

Manager:

Company: CAAP

Category:

Keywords:

Comments:

Template: Iso Part.par

OK (6) Cancel Help

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1. Create a folder named *Bird House*.
2. Save the document by name *Bird House-1001-Rear Lath-A.par*.
3. Click the **Save** button.
4. Close the file.

Hint:

Save all files of one project in the same folder.

