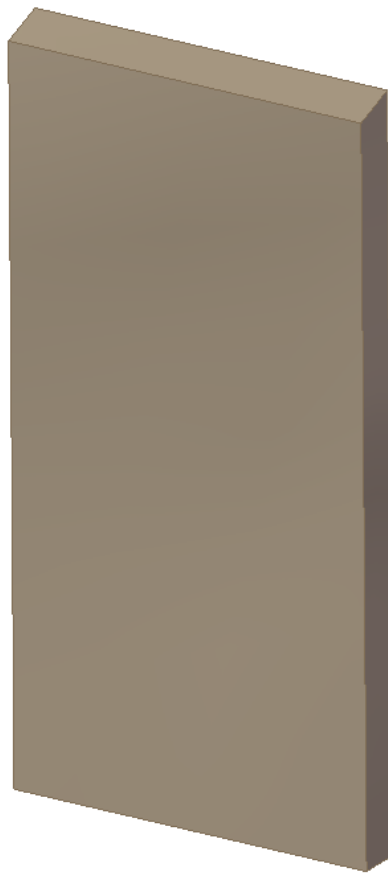


SOLID EDGE

VELOCITY SERIES



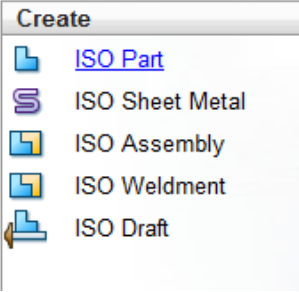
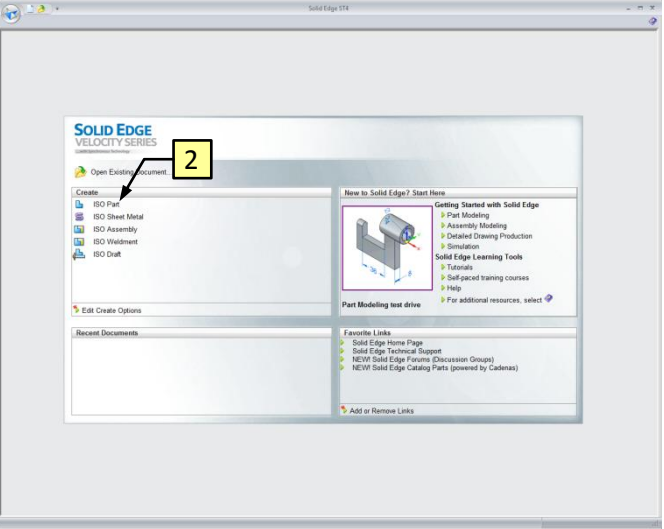


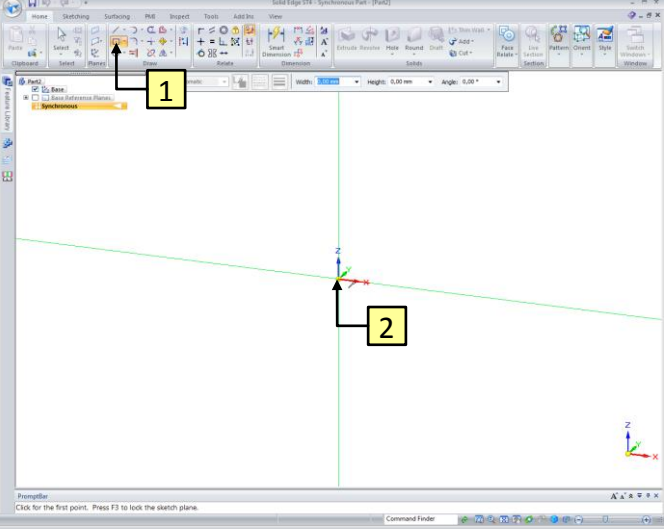

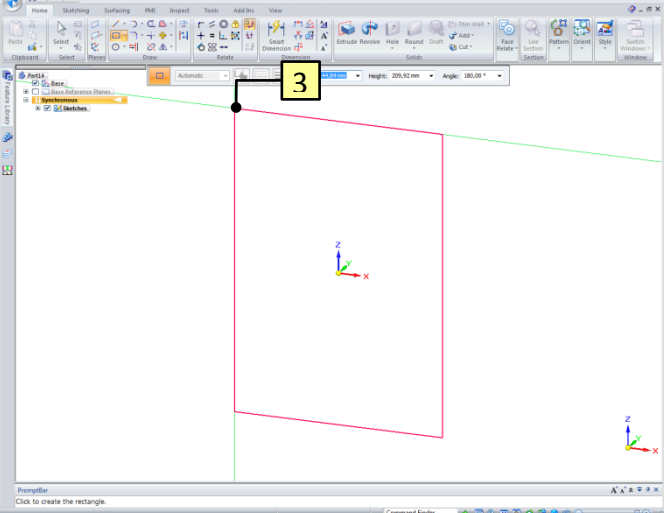



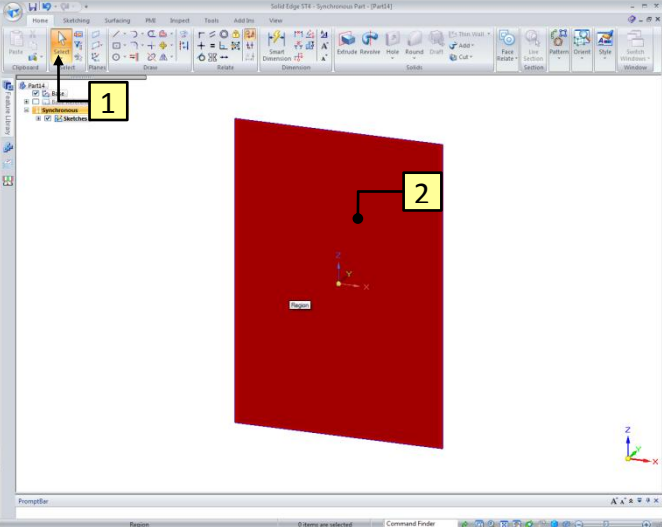

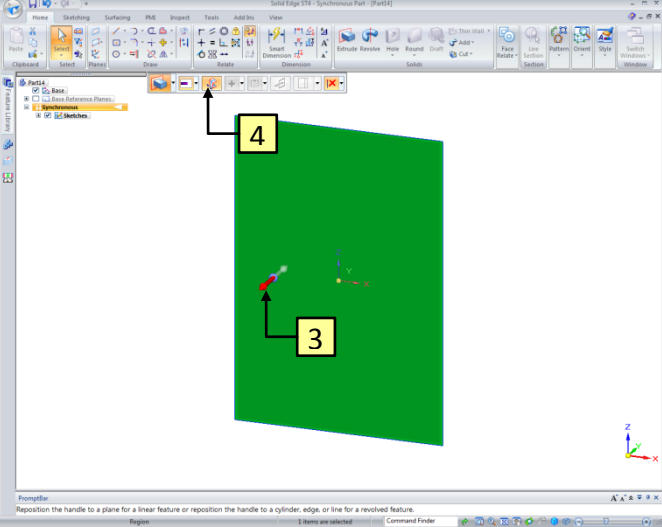

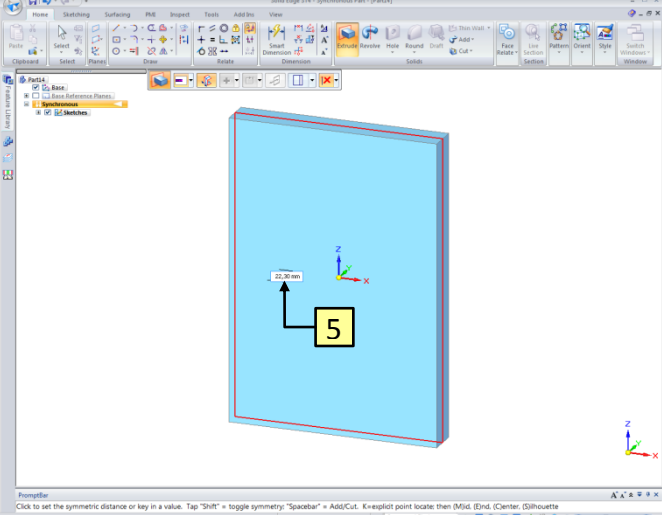
*Tutorial: **Backplate***


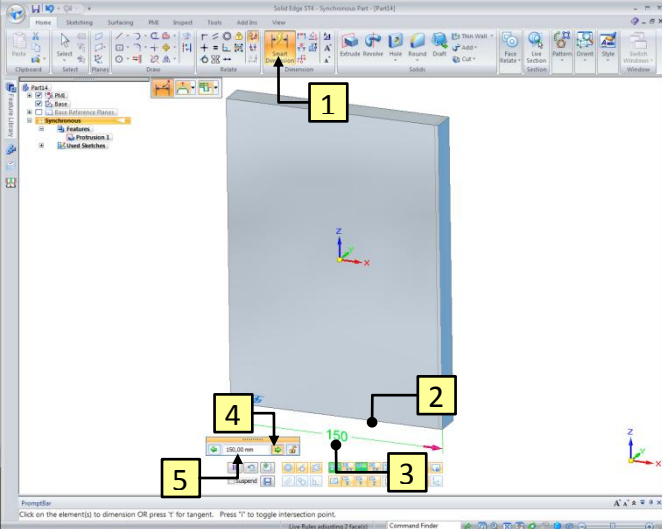

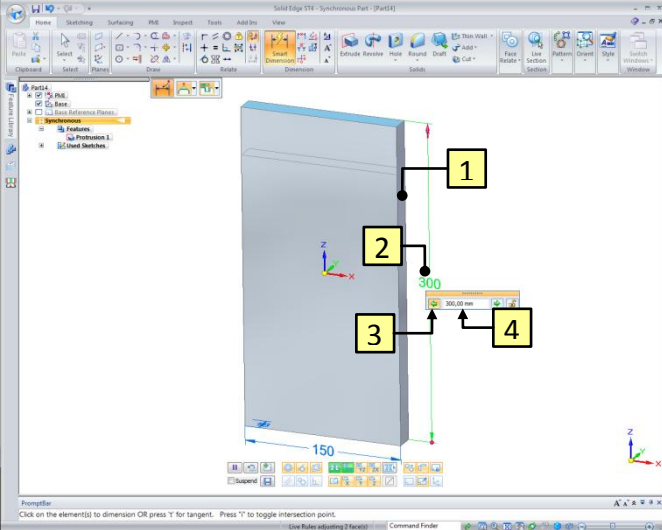


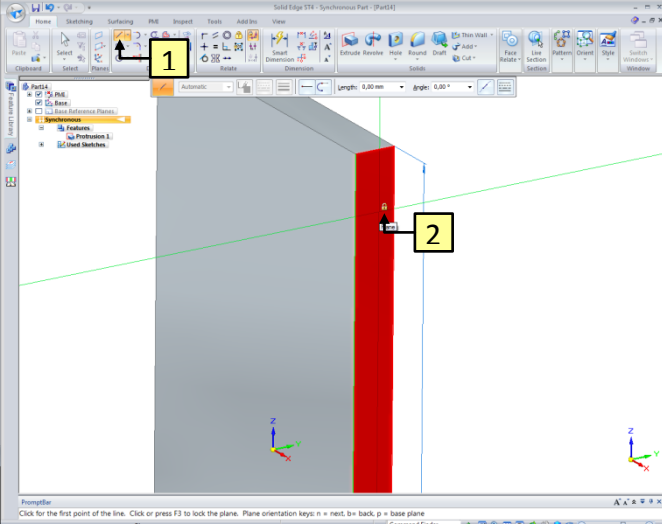




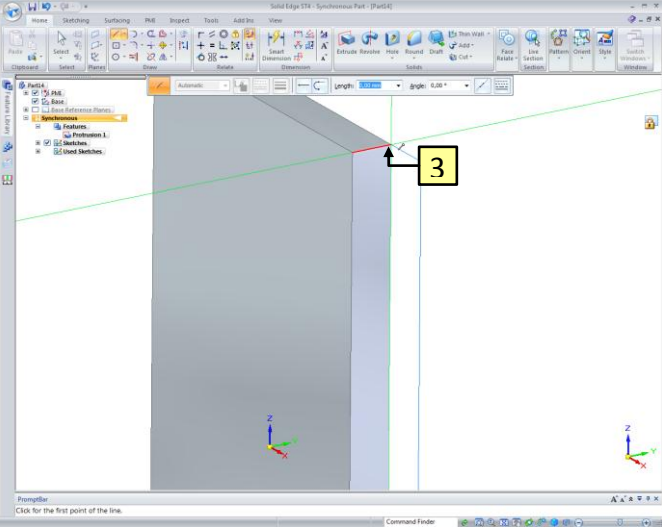


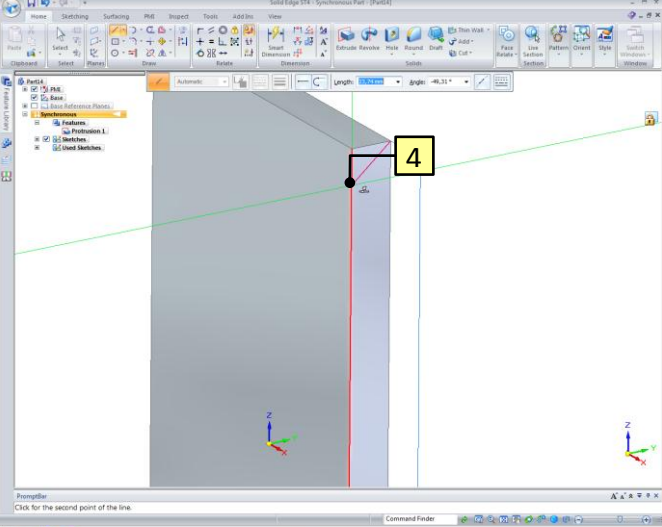

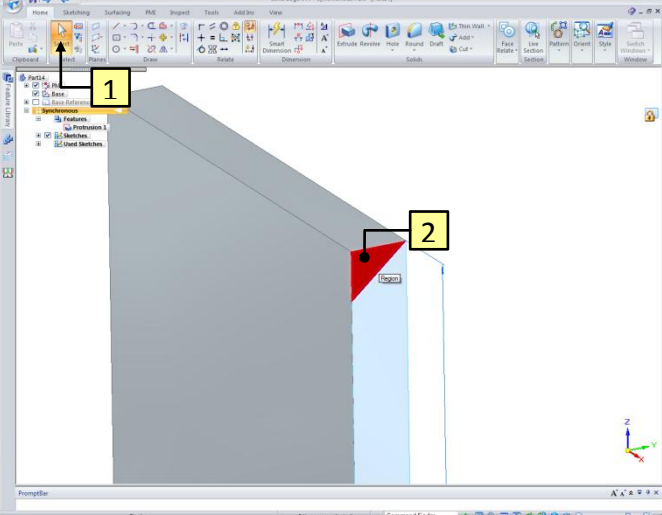
*Project: **Bird House (Synchronous)***


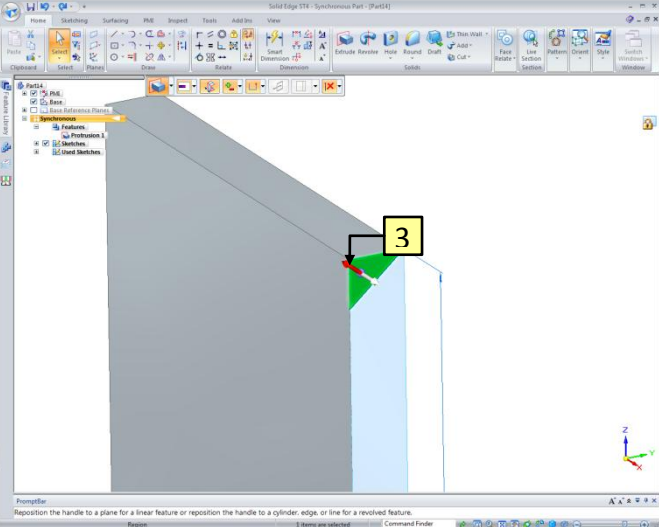

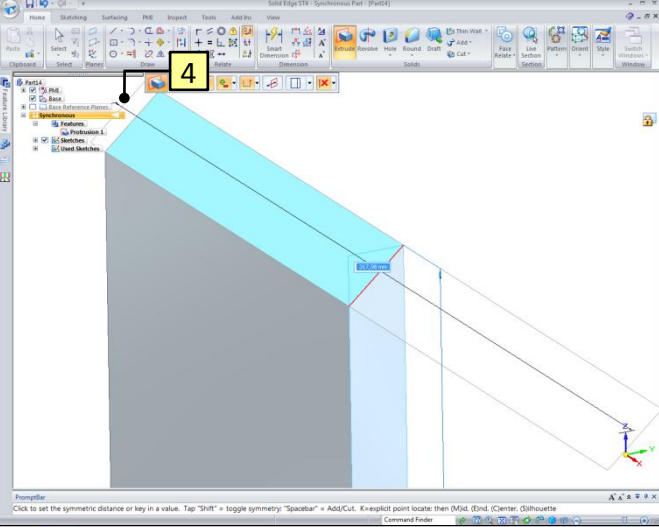

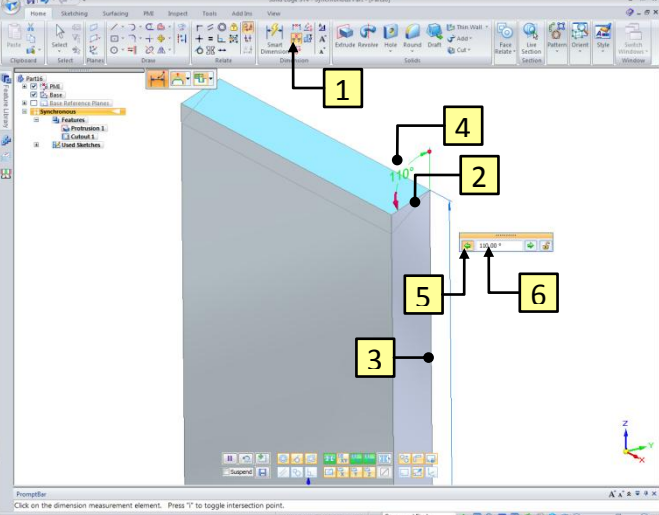
| | | | | |
|---|--|---|---|---|
| | 1 | 2 | 3 | 4 |
| A | | | | |
| B | | | | |
| C | | | | |
| D | | | | |
| E | | | | |
| F | <div> <div> </div> <div> <p>AMERICAN PROJECTION</p> </div> </div> <div> <p>MATERIAL : Wood, Oak</p> <p>PROJECT: Birdhouse</p> </div> <div> <p>SCALE : 1:2</p> <p>DIMENSION UNITS : MM</p> <p>DATE : 15-10-2011</p> </div> <div> <p>TITEL : Backplate</p> </div> <div> <p>AUTHOR : Ruben</p> <p>CLASS (DEPARTMENT) : -</p> <p>CHECKED BY : -</p> </div> <div> <p>NUMBER : 1005</p> </div> <div> <p>REV: A</p> </div> <div> <p>SIZE: A4</p> </div> <div> <p> Harmsveldseweg 65 3833 GL Leusden +31(0)33-4573322 www.caap.nl </p> <p>CAAP</p> </div> | | | |

| | | |
|---|---|--|
| <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 150 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 right vertical line. 2. Click to place the dimension. 3. Click on the left green arrow. 4. Key in the value 300 and confirm with Enter. |  |
| <p>9</p>  <p>+</p>  | <ol style="list-style-type: none"> 1. Click the Line button. 2. Point at the plane and wait until the lock icon appears. Click on the lock icon. |  |

| | | |
|---|--|--|
| <p>10</p>  | <p>3. Point at the right end point of the horizontal line and wait until the  icon appears before clicking.</p> |  |
| <p>11</p>  | <p>4. Point at the left vertical line and wait until the  icon appears before clicking.</p> |  |
| <p>12</p>  | <p>1. Click the Select button. 2. When you hover over the Region, it will turn red. Click on the Region, as shown.</p> |  |

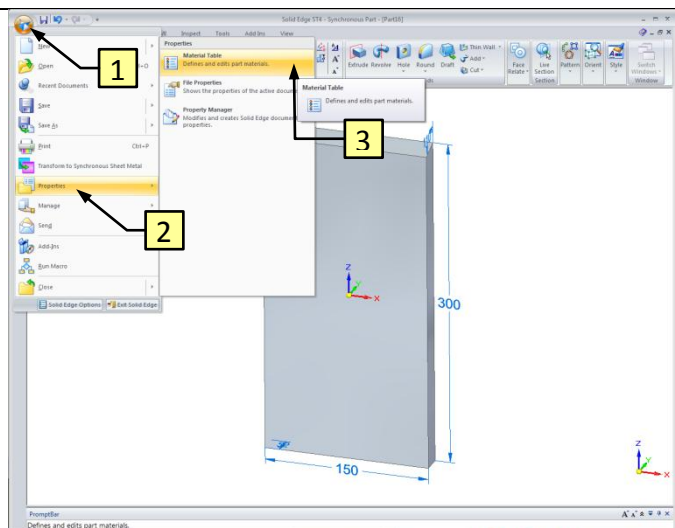
| | | |
|---|--|--|
| <p>13</p>  | <p>3. When you hover over the arrow, it will turn red. Click on the arrow, as shown.</p> |  |
| <p>14</p>  | <p>4. Make sure the Section is through the entire material and click.</p> |  |
| <p>15</p>  | <ol style="list-style-type: none"> 1. Click the Angle Between button. 2. Click on the slanted line. 3. Click on the right vertical line. 4. Click to place the dimension. 5. Click on the left green arrow. 6. Key in the value 110 and confirm with Enter. |  |

16



Now we set the material property.

1. Click the **Application Button**.
2. Click on **Properties**.
3. Click the **Material Table**.



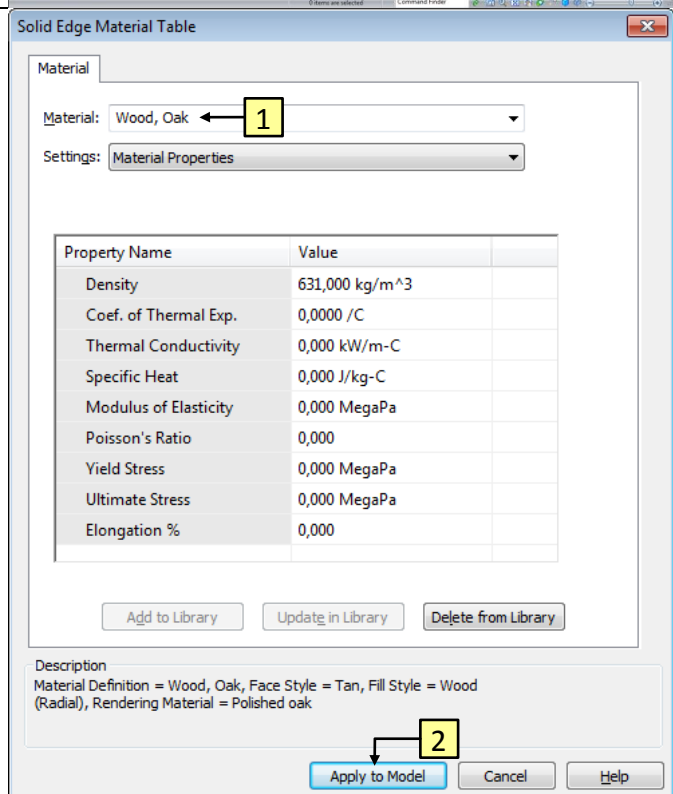
17


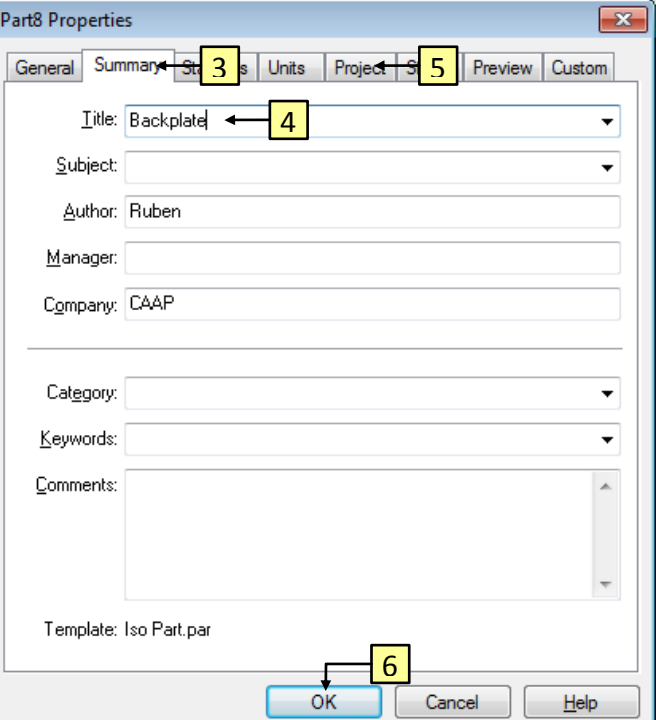

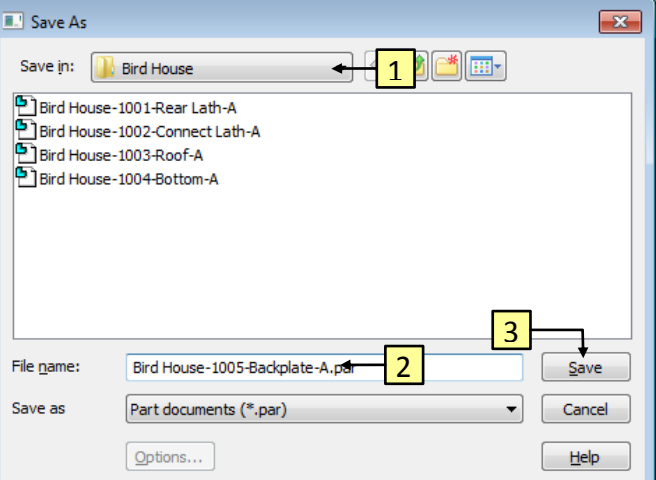


1. Choose the material **Wood, Oak**.
2. Click **Apply to Model** to set the material to the part.

Hint:

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



| | | |
|---|---|---|
| <p>18</p>  | <p>The part is ready. Now it must be saved.</p> <ol style="list-style-type: none"> 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 <i>Backplate</i> at Title. 5. Go to the Project tab and fill in the following properties: Document Number: <i>1005</i>. Revision Number: <i>A</i>. Project Name: <i>Bird House</i>. 6. Click OK to close the screen. <p>Hint: <i>All properties of the part are saved at the File Properties. These properties will be used by making a drawing or part list.</i></p> |  |
| <p>19</p>  | <ol style="list-style-type: none"> 1. Browse to the folder named <i>Bird House</i>. 2. Save the document by name <i>Bird House-1005-Backplate-A.par</i>. 3. Click the Save button. 4. Close the file. <p>Hint: <i>Save all files of one project in the same folder.</i></p> |  |