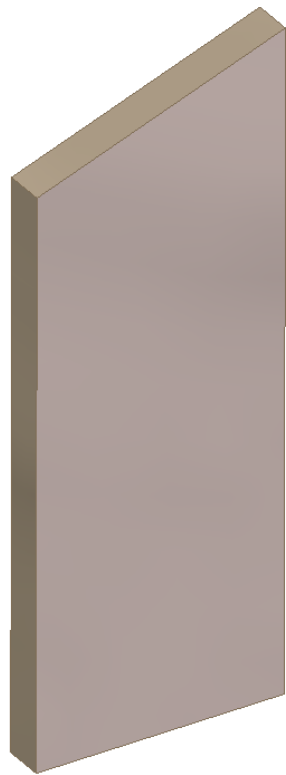


# SOLID EDGE

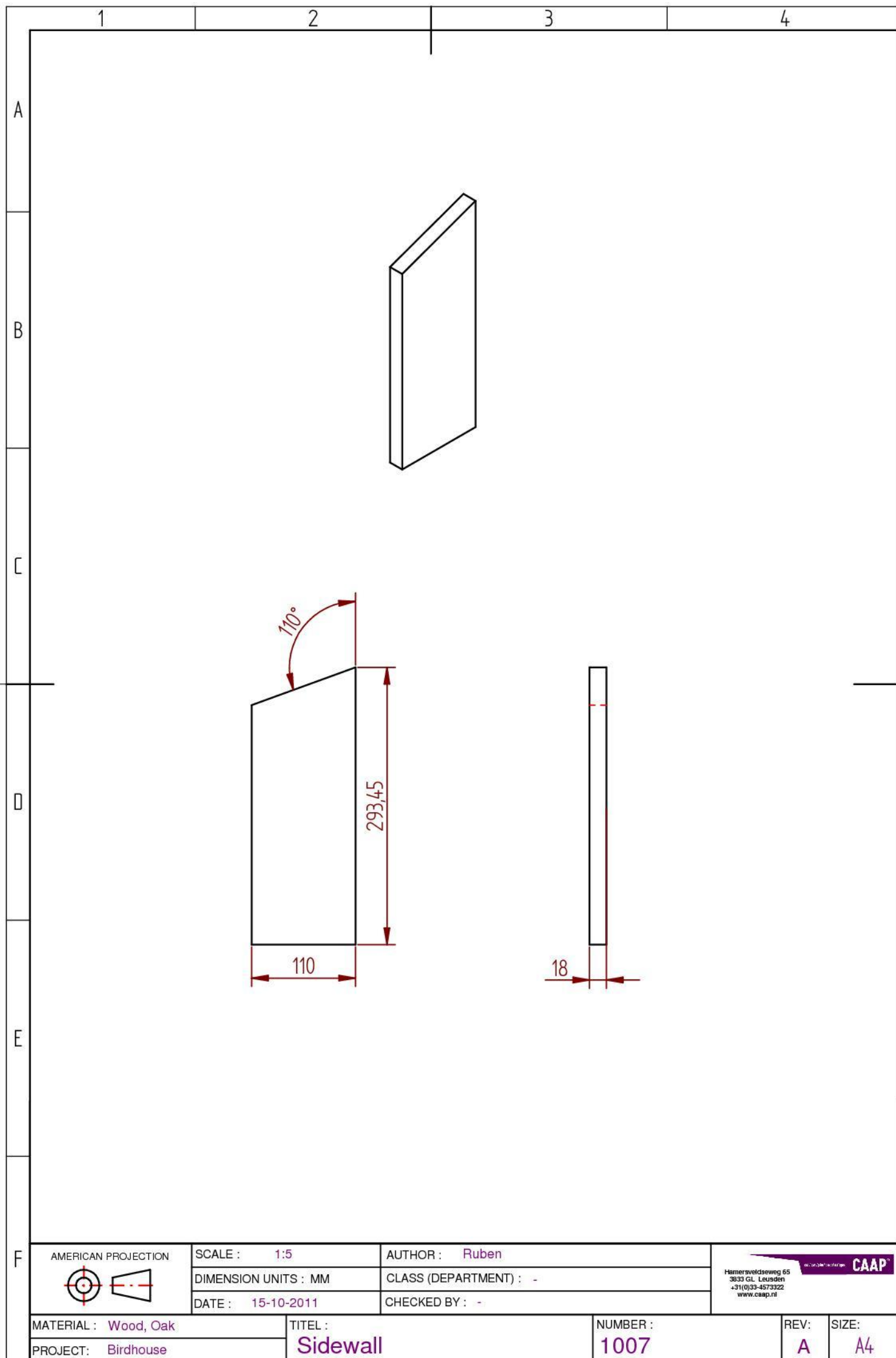
## VELOCITY SERIES



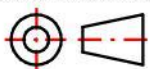
*Tutorial: **Sidewall***



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



AMERICAN PROJECTION



SCALE : 1:5

DIMENSION UNITS : MM

DATE : 15-10-2011

AUTHOR : Ruben

CLASS (DEPARTMENT) : -

CHECKED BY : -

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3833 GL Leusden  
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CAAP

MATERIAL : Wood, Oak



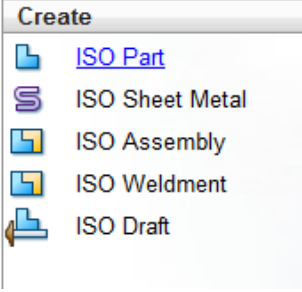
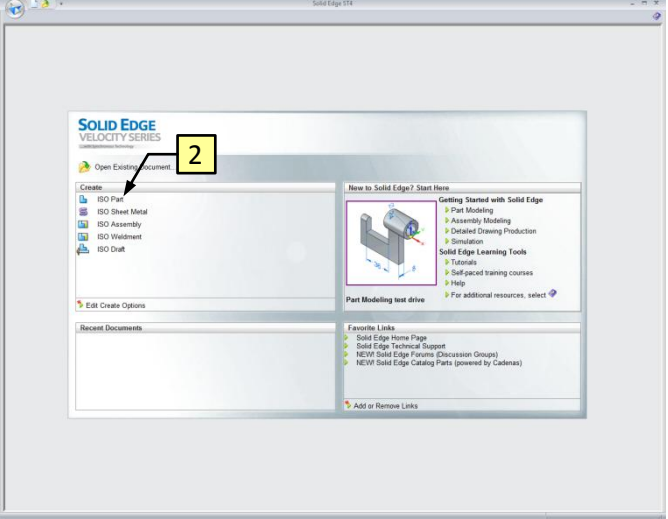


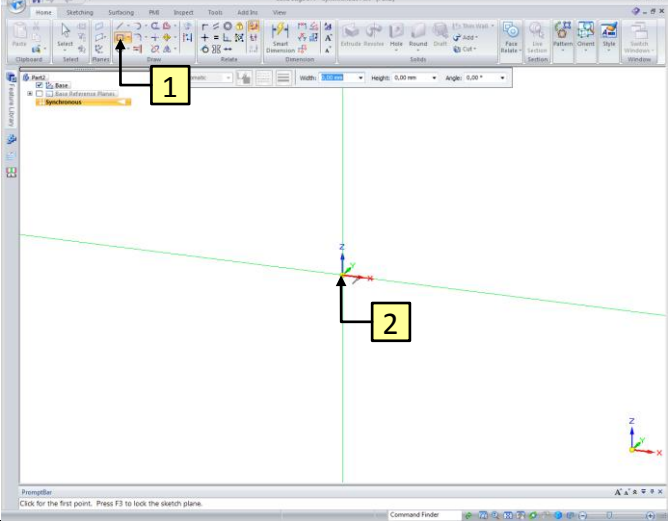

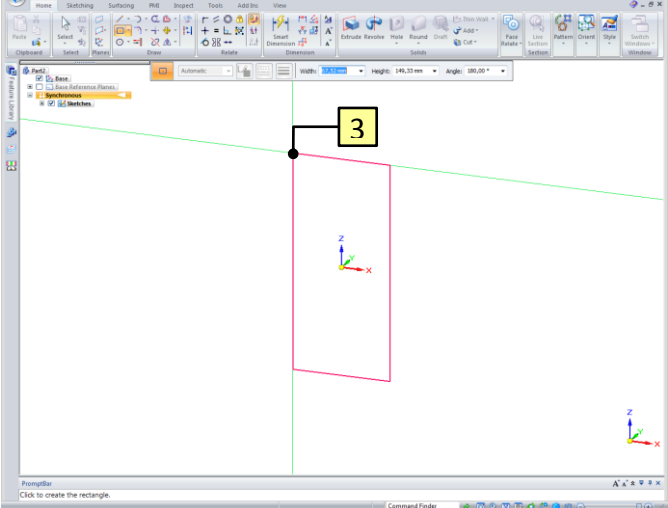
PROJECT: Birdhouse


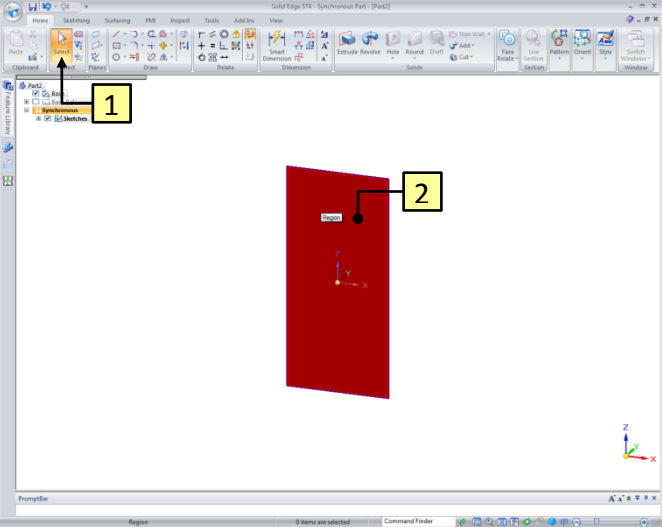

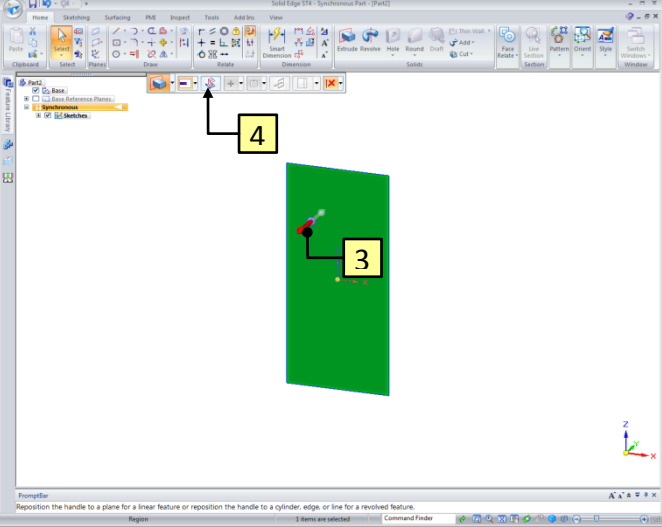

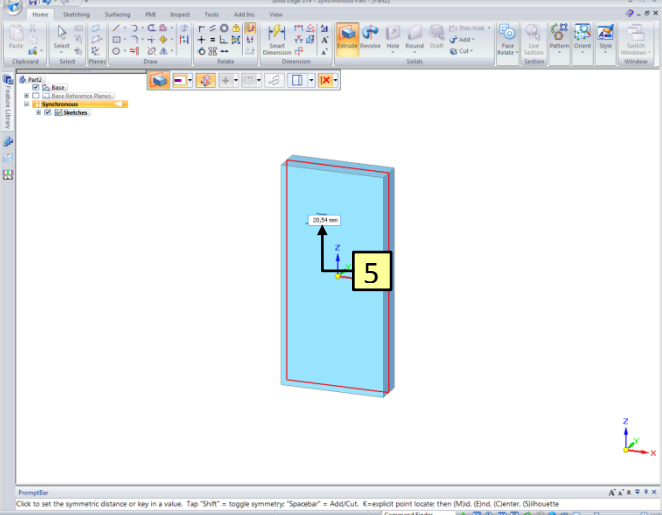
TITEL :  
Sidewall


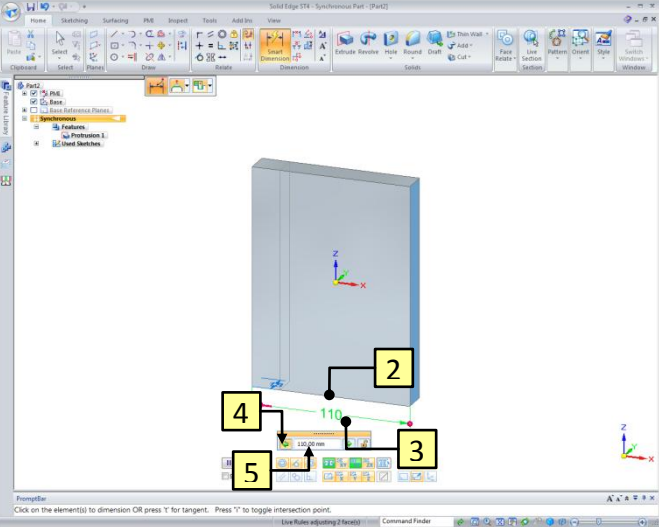

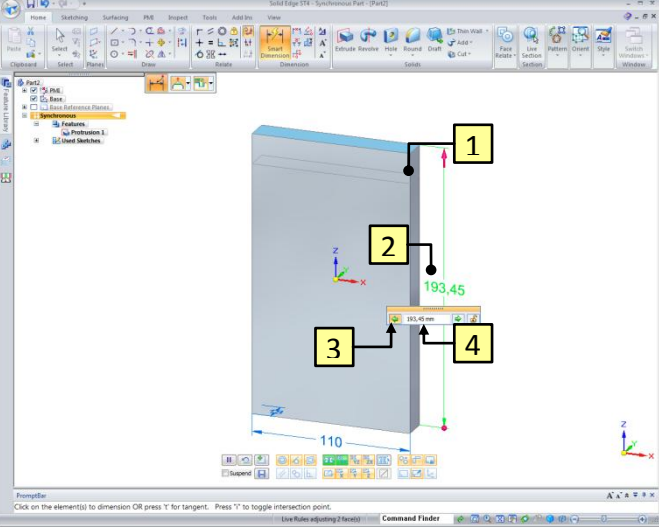


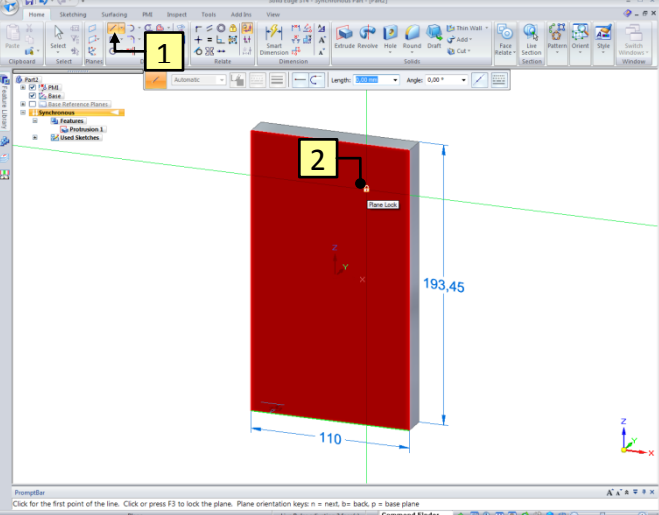
NUMBER :  
1007




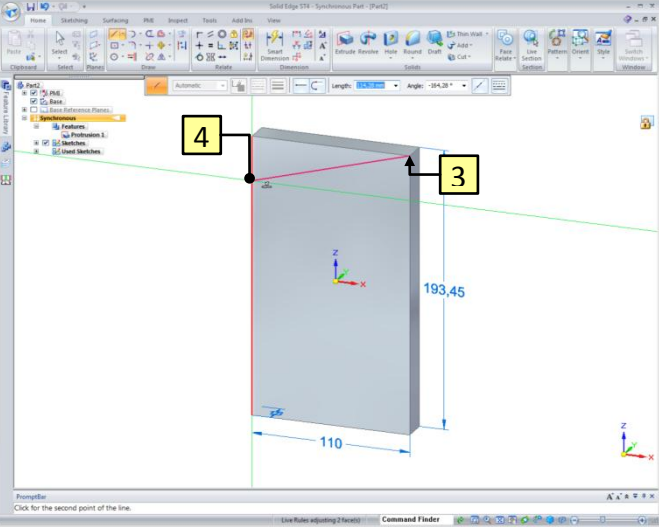

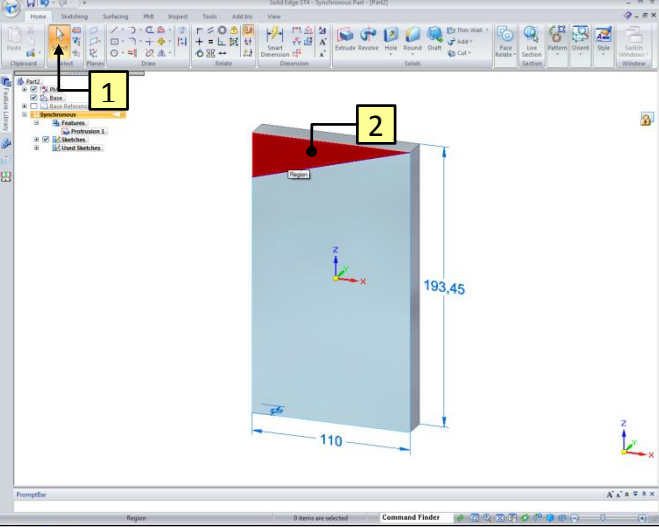

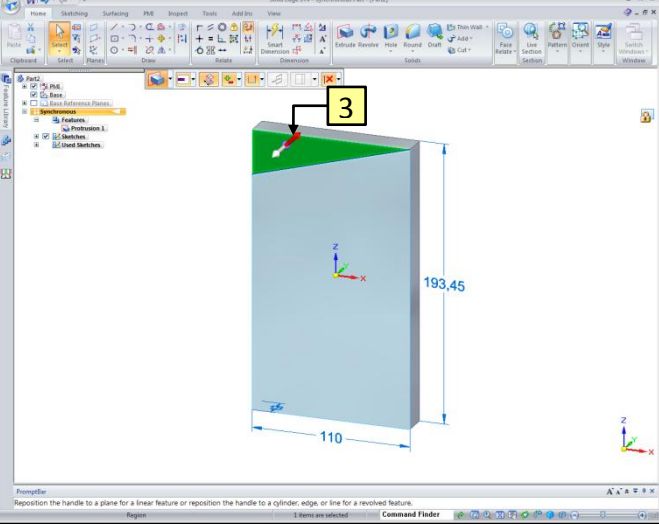
REV: A

SIZE: A4

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

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

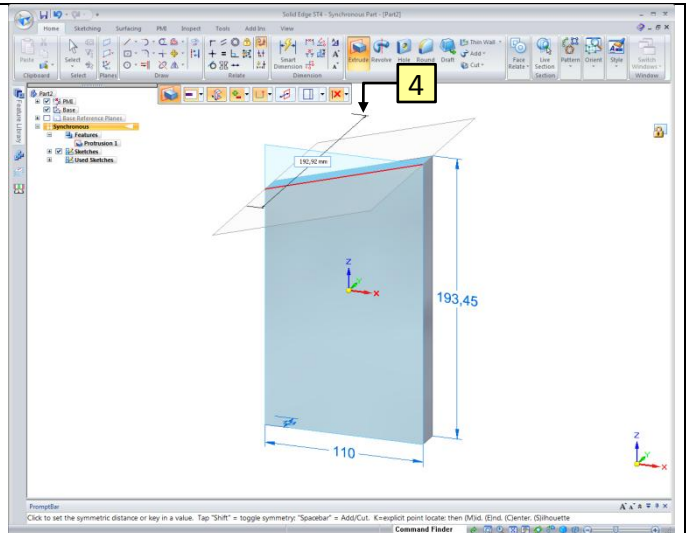
<p>7</p> 	<ol style="list-style-type: none"> <li>1. Click the <b>Smart Dimension</b> button.</li> <li>2. Click the horizontal line.</li> <li>3. Click to place the dimension.</li> <li>4. Click on the left green arrow.</li> <li>5. Key in the value <b>110</b> and confirm with <b>Enter</b>.</li> </ol>	
<p>8</p> 	<p>If the <b>Smart Dimension</b> is still active.</p> <ol style="list-style-type: none"> <li>1. Click the right vertical line.</li> <li>2. Click to place the dimension.</li> <li>3. Click on the left green arrow.</li> <li>4. Key in the value <b>293,45</b> and confirm with <b>Enter</b>.</li> </ol>	
<p>9</p>  <p>+</p> 	<ol style="list-style-type: none"> <li>1. Click the <b>Line</b> button.</li> <li>2. Point at the plane and wait until the lock icon appears. Click on the lock icon.</li> </ol>	

<p>10</p> 	<ol style="list-style-type: none"> <li>Point at the right end point of the horizontal line and wait until the  icon appears before clicking.</li> <li>Point at the left vertical line and wait until the  icon appears before clicking.</li> </ol>	
<p>11</p> 	<ol style="list-style-type: none"> <li>Click the <b>Select</b> button.</li> <li>When you hover over the Region, it will turn red. Click on the Region, as shown.</li> </ol>	
<p>12</p> 	<ol style="list-style-type: none"> <li>When you hover over the arrow, it will turn red. Click on the arrow, as shown.</li> </ol>	

13



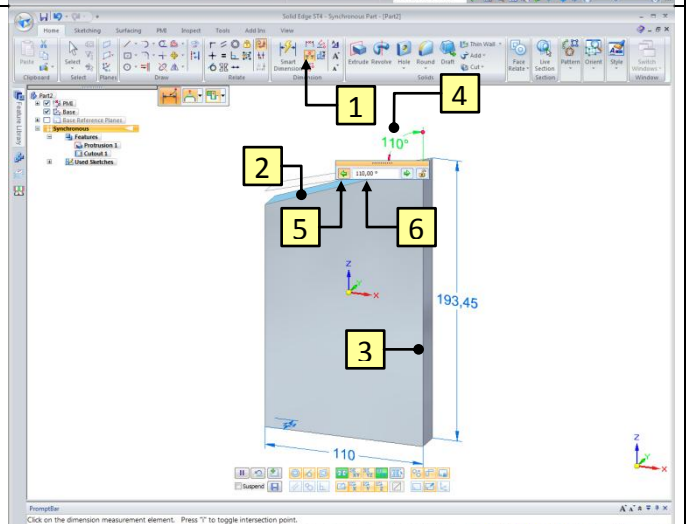
4. Make sure the Section is through the entire material and click.



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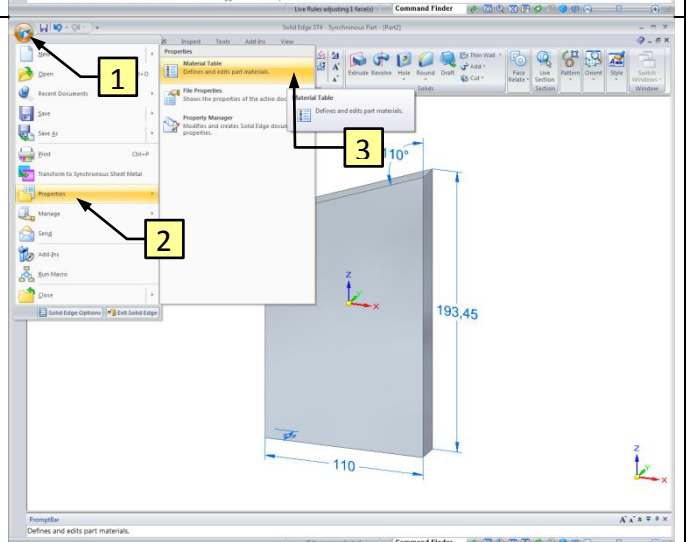
1. Click the **Angle Between** button.
2. Click on the slanted line.
3. Click on the right vertical line.
4. Click to place the dimension.
5. Click on the left green arrow.
6. Key in the value **110** and confirm with **Enter**.



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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 <sup>3</sup>
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 *Sidewall* at Title.
5. Go to the **Project** tab and fill in the following properties:  
Document Number: 1007.  
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.

Part10 Properties

General Summary 3 Units Project 5 Preview Custom

Title: Sidewall 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-1007-Sidewall-A.par*.
3. Click the **Save** button.
4. Close the file.

**Hint:**

*Save all files of one project in the same folder.*

