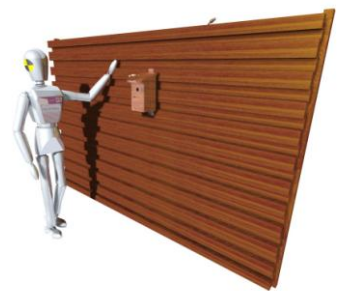


SOLID EDGE

VELOCITY SERIES



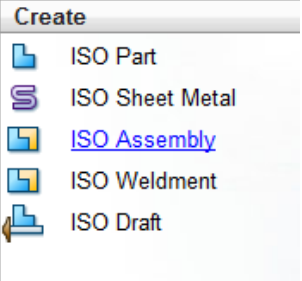
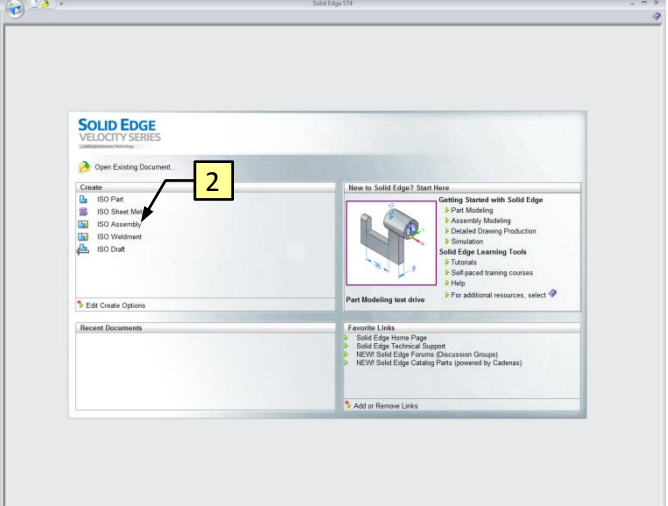

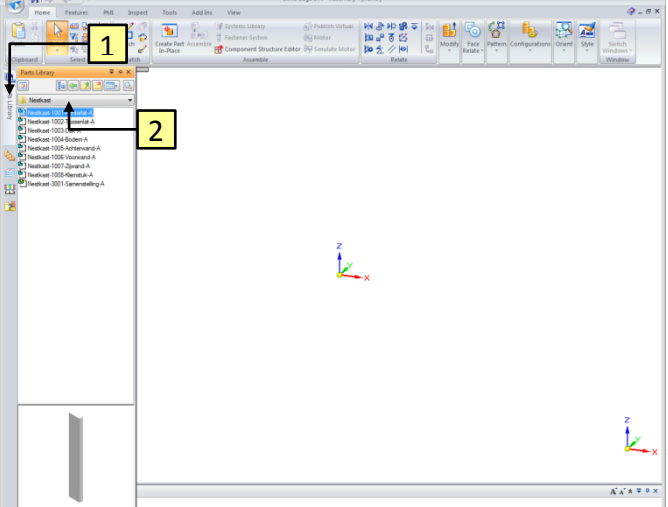

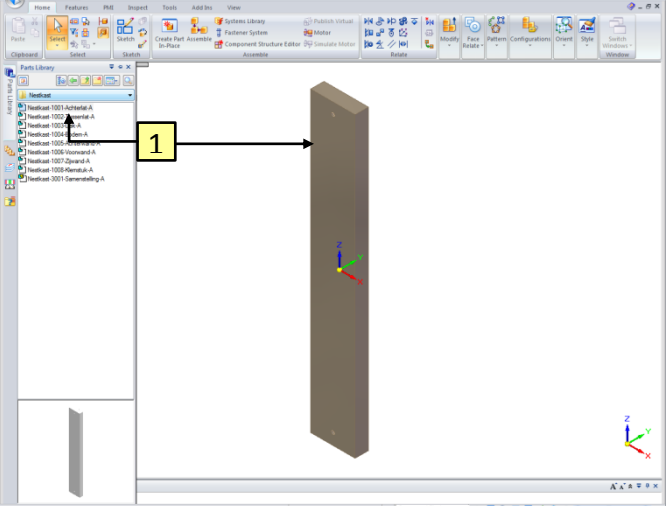



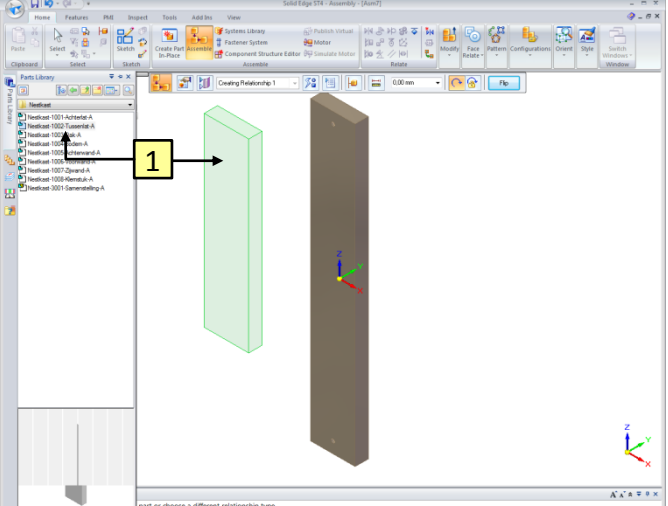

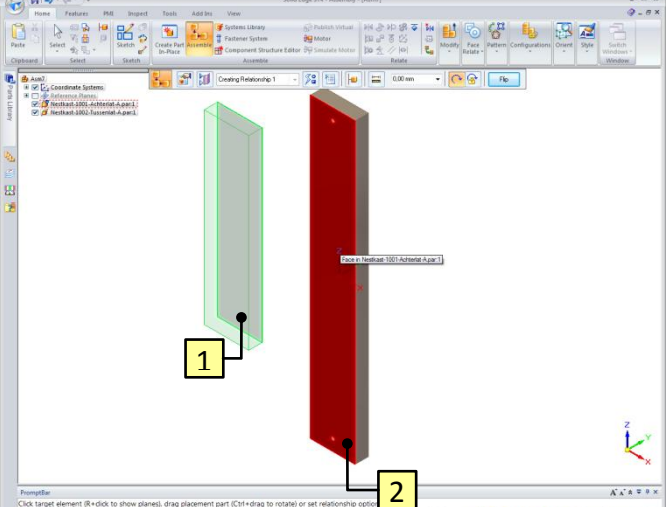

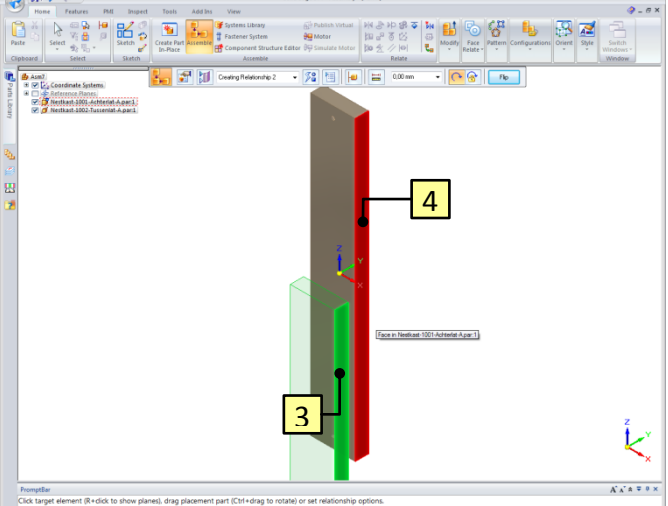
*Tutorial: **Assembly***


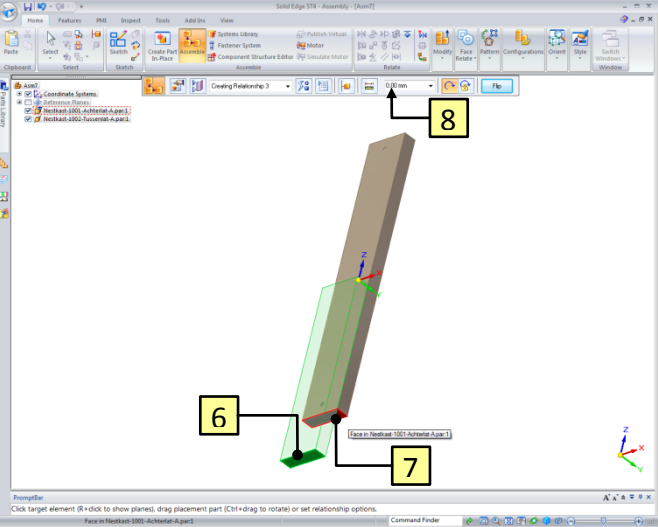

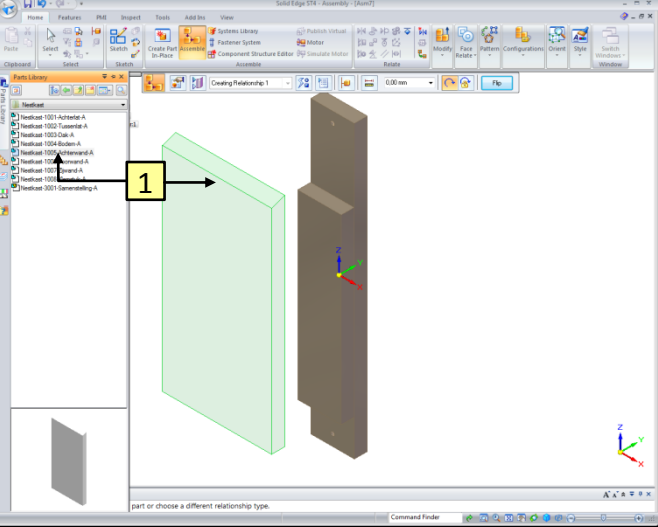


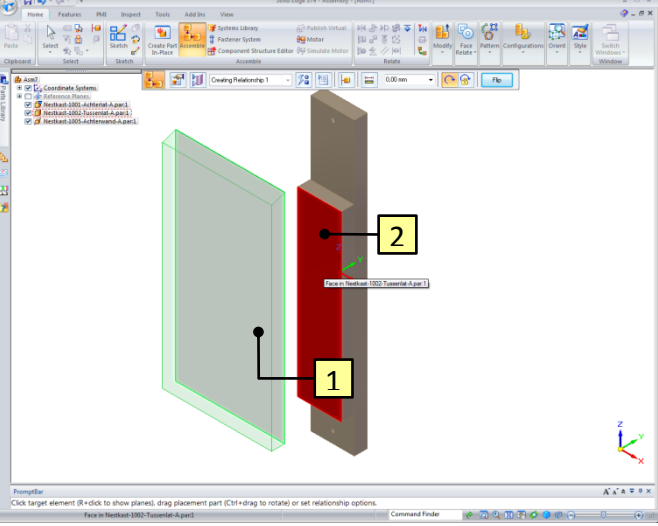



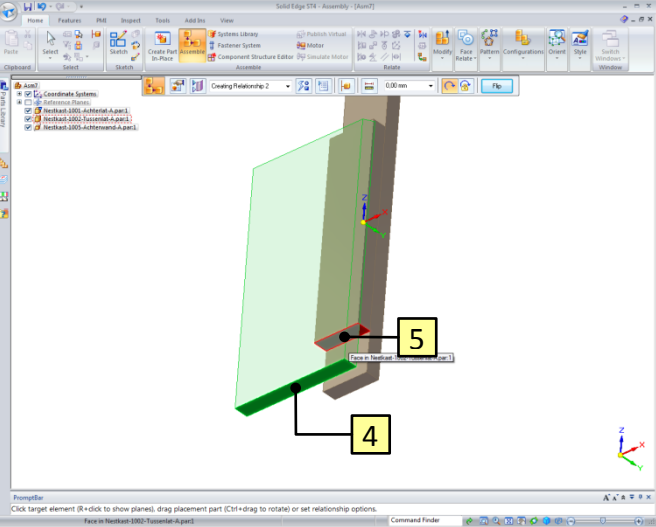

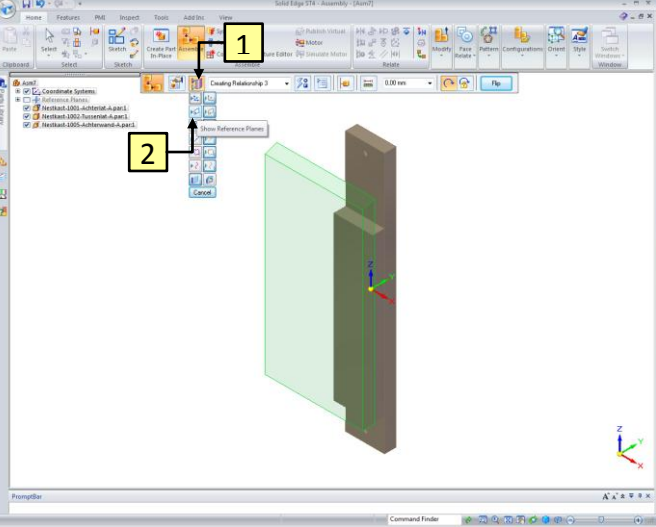


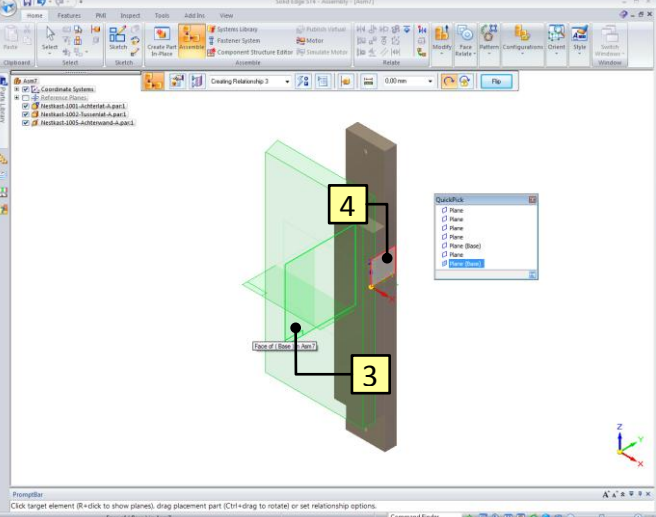
*Project: **Bird House (Synchronous)***

		1		2		3		4	
A	B								
E	8	1	Clamp	Wood, Oak	1008	A	Bird House-1008-Clamp-Apar		
	7	1	Roof	Wood, Oak	1003	A	Bird House-1003-Roof-Apar		
	6	1	Frontplate	Wood, Oak	1006	A	Bird House-1006-Frontplate-Apar		
	5	1	Bottom	Wood, Oak	1004	A	Bird House-1004-Bottom-Apar		
	4	2	Sidewall	Wood, Oak	1007	A	Bird House-1007-Sidewall-Apar		
	3	1	Backplate	Wood, Oak	1005	A	Bird House-1005-Backplate-Apar		
	2	1	Connect Lath	Wood, Oak	1002	A	Bird House-1002-Connect Lath-Apar		
	1	1	Rear Lath	Wood, Oak	1001	A	Bird House-1001-Rear Lath-Apar		
F	AMERICAN PROJECTION 			SCALE : 1:5 DIMENSION UNITS : MM DATE : 15-10-2011		AUTHOR : Ruben CLASS (DEPARTMENT) : - CHECKED BY : -			
	MATERIAL : PROJECT: Birdhouse			TITEL : Assembly			NUMBER : 3001		REV: A
							SIZE: A4		

<p>1</p>  <p>+</p> 	<ol style="list-style-type: none"> 1. Start Solid Edge. 2. Click on ISO Assembly. 	
<p>2</p> 	<ol style="list-style-type: none"> 1. Click on the Parts Library. 2. Browse to the folder Bird House. 	
<p>3</p> 	<ol style="list-style-type: none"> 1. Drag the Bird House-1001-Rear Lath-A.par file in the Assembly. 	

<p>4</p> 	<ol style="list-style-type: none"> 1. Drag the Bird House-1002-Connect Lath-A.par in the Assembly. 	
<p>5</p> 	<p>The part can be assembled.</p> <ol style="list-style-type: none"> 1. When you hover over a plane, it will turn red. Click on the rear plane of the connect Lath, as shown. 2. Click on the front plane of the Rear Lath <p>Hint: Selected the wrong plane? Click the RMB to deselect.</p>	
<p>6</p> 	<ol style="list-style-type: none"> 3. Click the plane of the connect lath. 4. Click the plane of the rear lath. 	

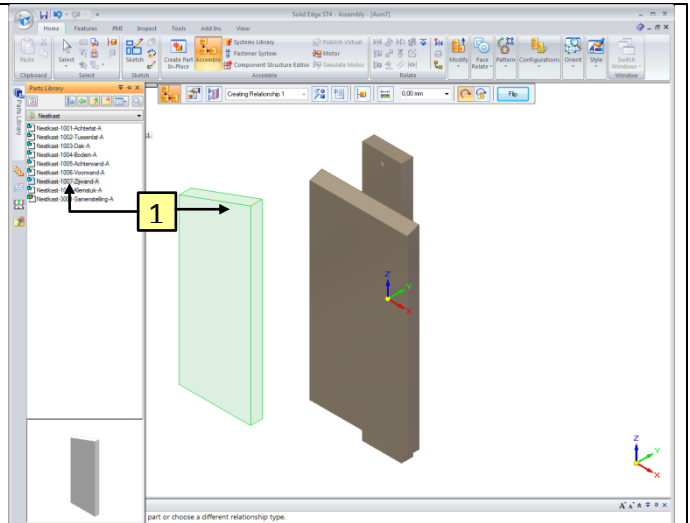
<p>7</p> 	<ol style="list-style-type: none"> Turn the view. Click on the plane of the connect lath. Click on the plane of the rear lath. Key in the value 50 and confirm with Enter. 	
<p>8</p> 	<ol style="list-style-type: none"> Drag the Bird House-1005-Back plate-A.par in the Assembly. 	
<p>9</p>  <p>Hint:</p> <p>Point the cursor at the plane. Wait until the  icon appears and click the RMB. Select the plane in the QuickPick.</p>	<ol style="list-style-type: none"> Click on the plane of the back plate. Click on the plane of the connect lath. 	

<p>10</p> 	<ol style="list-style-type: none"> 3. Turn the view. 4. Click on the plane of the back plate. 5. Click on the plane of the connect lath. 	
<p>11</p> 	<ol style="list-style-type: none"> 1. Click the Construction Display button. 2. Click the Show Reference Planes button. 	
<p>12</p>  <p>Hint:</p> <p>Point the cursor at the plane. Wait until the  icon appears and click the RMB. Select the plane in the QuickPick.</p>		

13



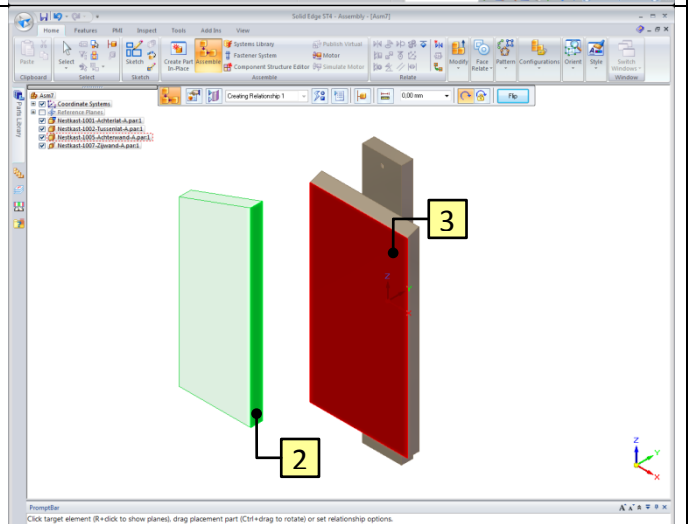
1. Drag the **Bird House-1007-Side wall-A.par** in the Assembly.



14



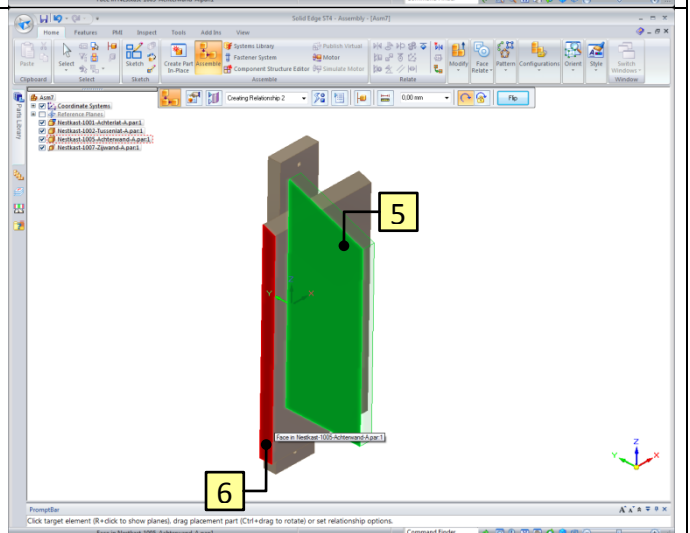
2. Click on the plane of the side wall.
3. Click on the plane of the back plate.


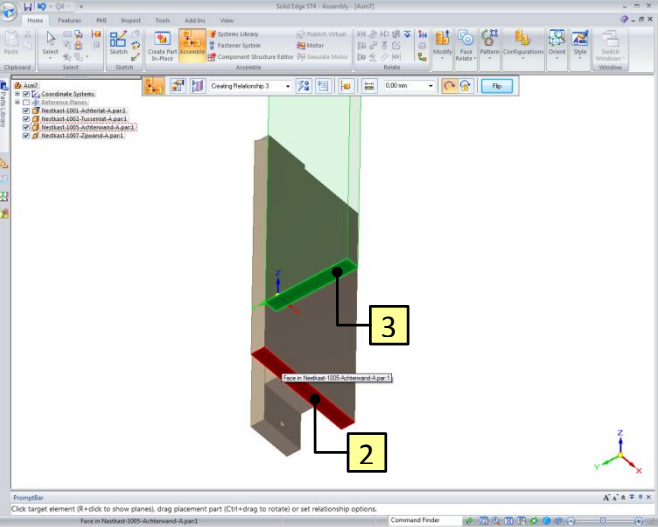

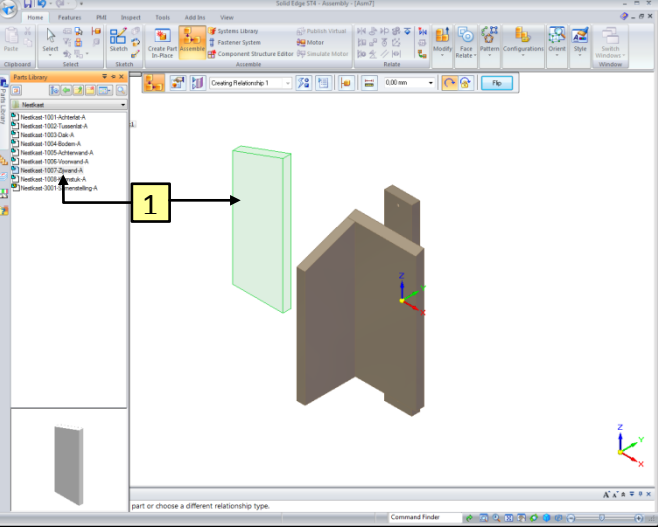

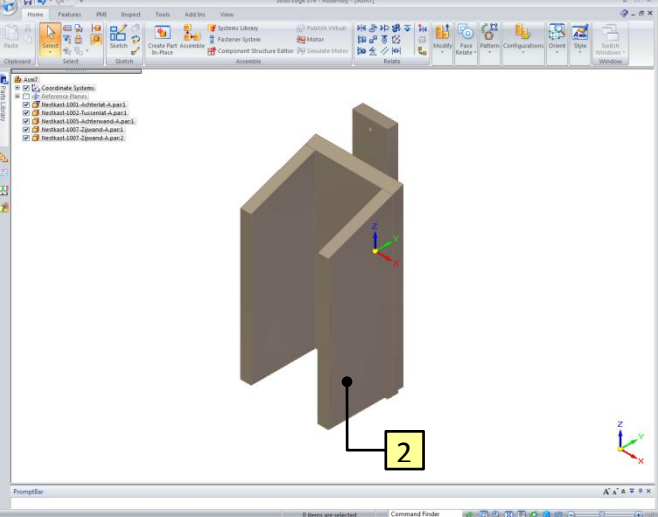



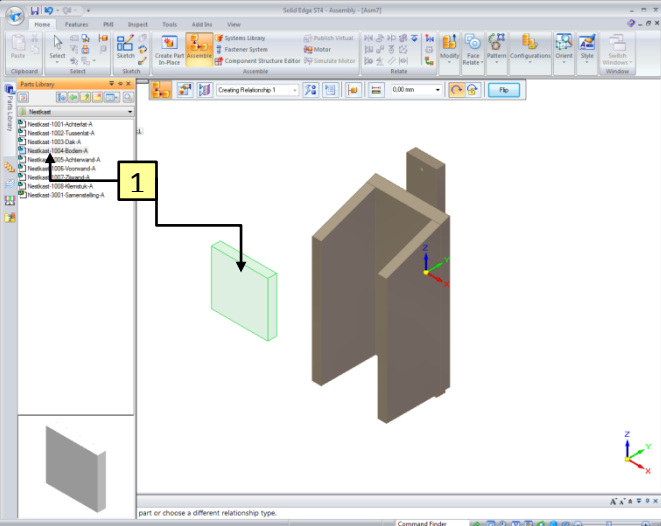

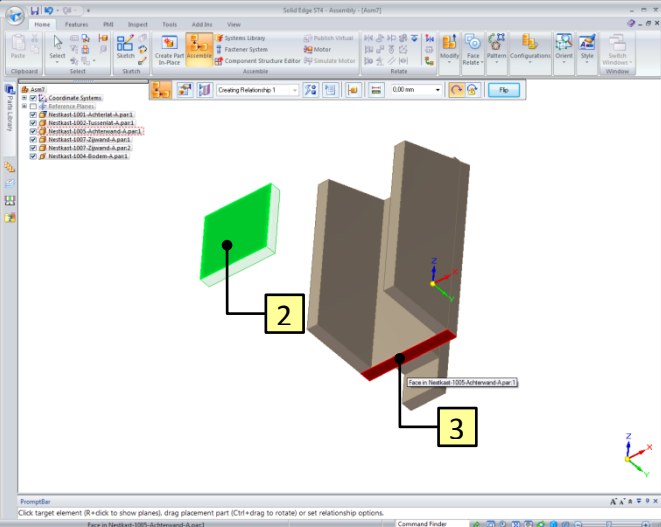

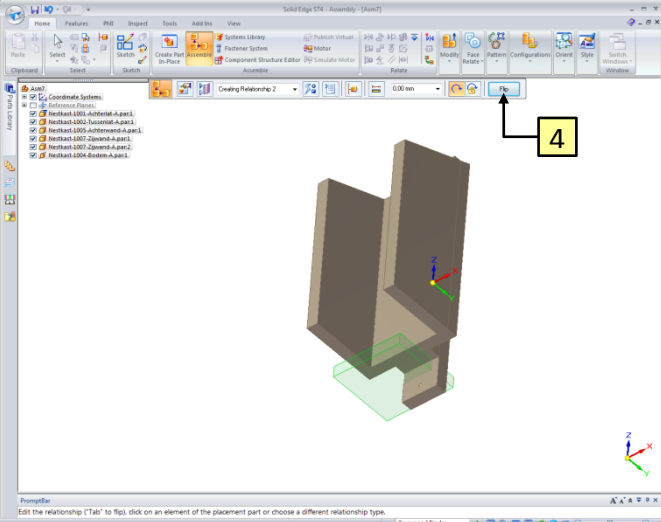
15



4. Turn the view.
5. Click on the plane of the sidewall, as shown.
6. Click on the plane of the back plate, as shown.



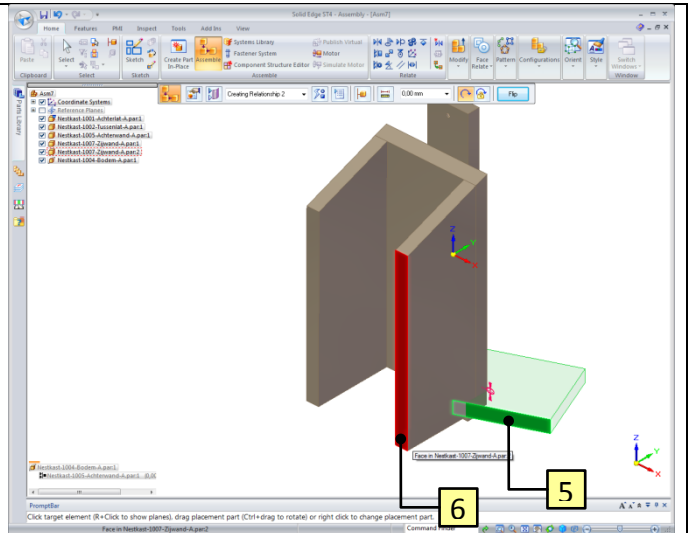
<p>16</p> 	<ol style="list-style-type: none"> 1. Turn the view. 2. Click on the plane of the back plate. 3. Click on the plane of the sidewall. 	
<p>17</p> 	<ol style="list-style-type: none"> 1. Drag the Bird House-1007-Side wall-A.par in the Assembly. 	
<p>18</p> 	<ol style="list-style-type: none"> 1. Repeat steps 14 till 17 to assemble the second sidewall. 	

<p>19</p> 	<p>1. Drag the Bird House-1004-Bottom-A.par in the Assembly.</p>	
<p>20</p> 	<p>1. Turn the view. 2. Click on the plane of the bottom. 3. Click on the plane of the back plate.</p>	
<p>21</p> 	<p>4. Click the Flip button, when necessary.</p>	

22



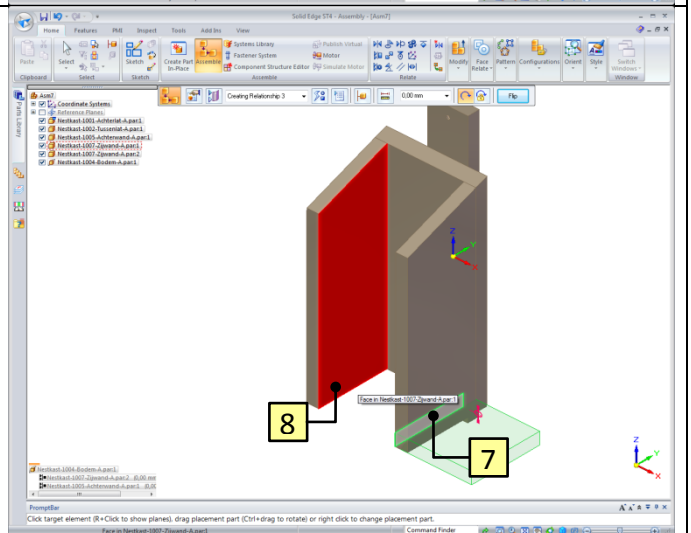
5. Click on the plane of the bottom.
6. Click on the plane of the sidewall.



23



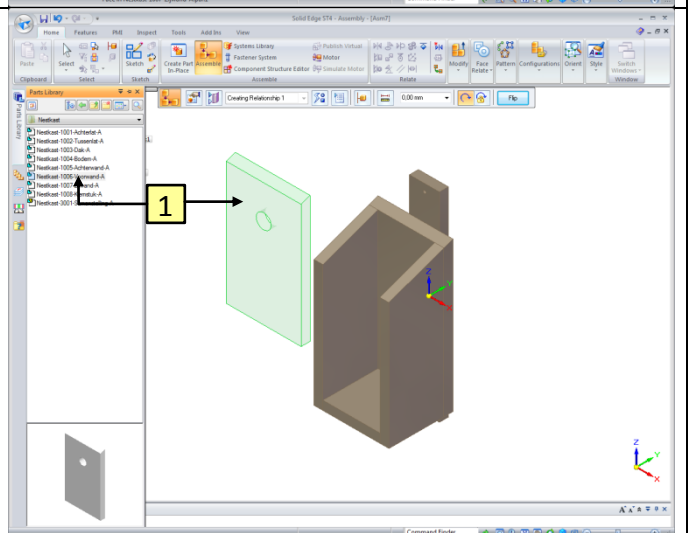
7. Click on the plane of the bottom.
8. Click on the plane of the sidewall.



24



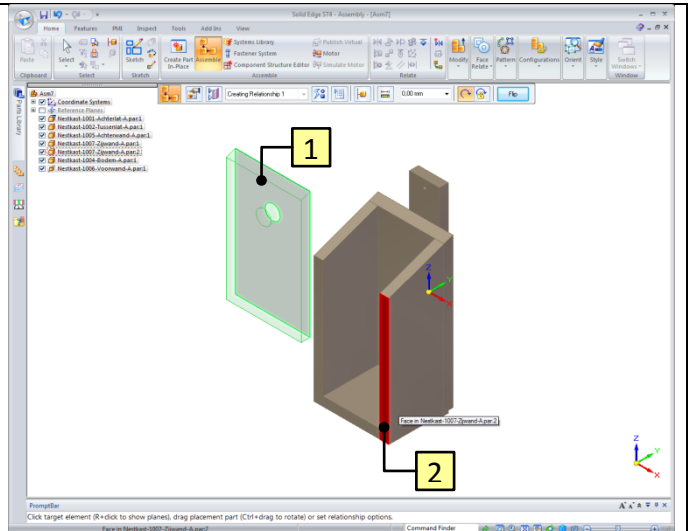
1. Drag the **Bird House-1006-Front plate-A.par** in the Assembly.



25



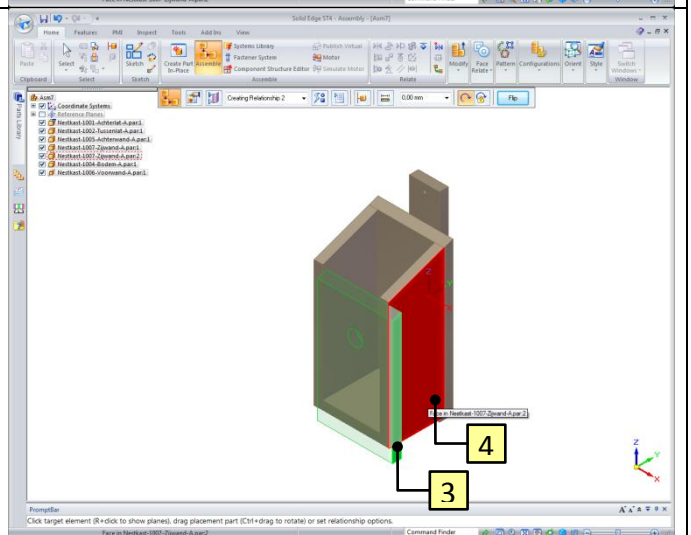
1. Click on the plane of the front plate.
2. Click on the plane of the sidewall.



26



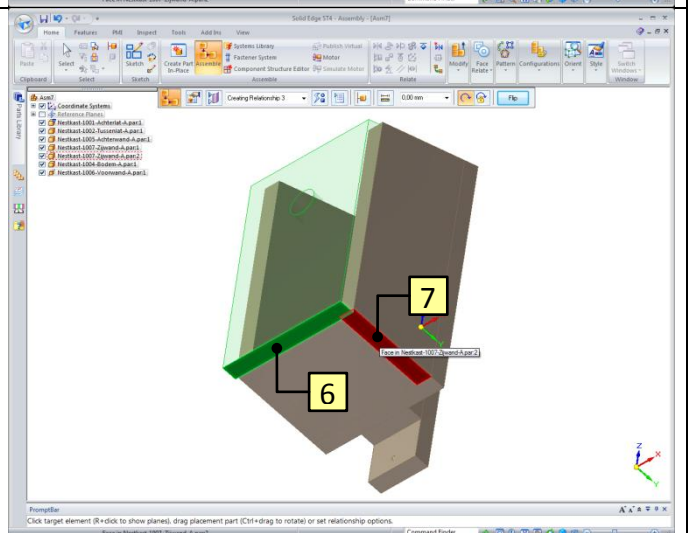
3. Click on the plane of the front plate.
4. Click on the plane of the sidewall.



27



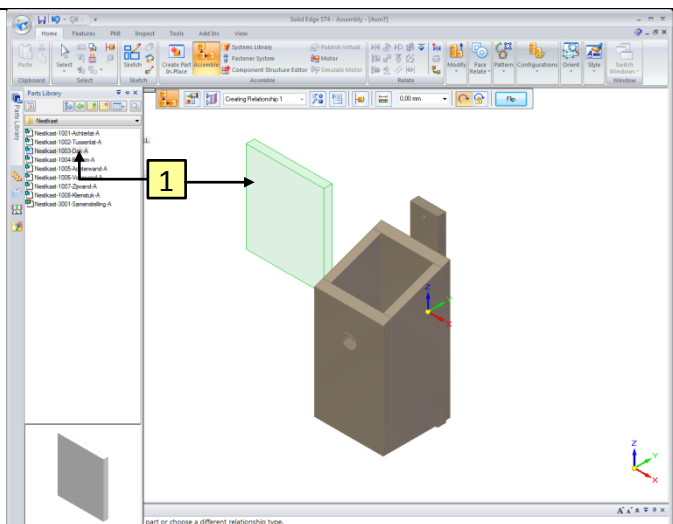
5. Turn the view.
6. Click on the plane of the front plate.
7. Click on the plane of the sidewall.



28



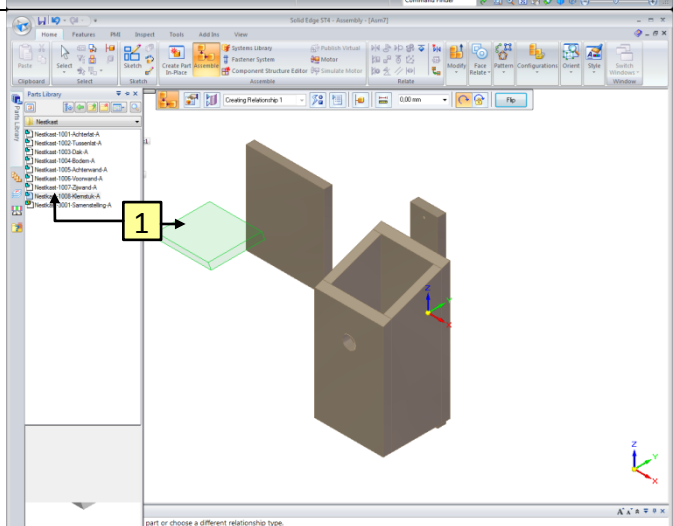
1. Drag the **Bird House-1003-Roof-A.par** in the Assembly.



29



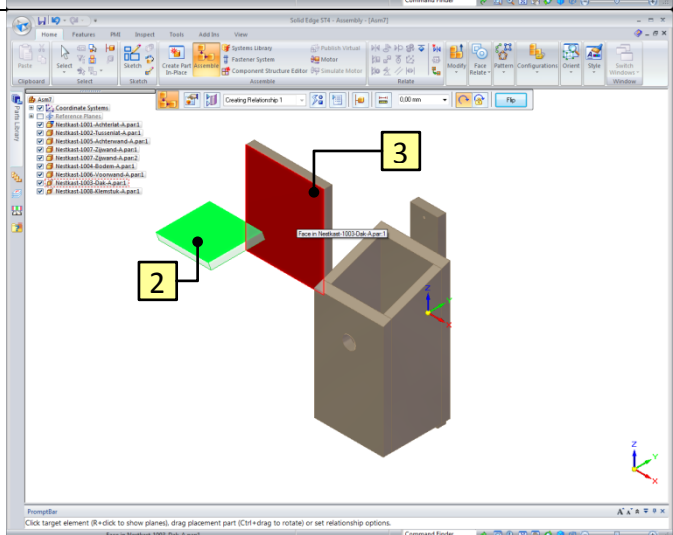
1. Drag the **Bird House-1008-Clamp-A.par** in the Assembly.



30



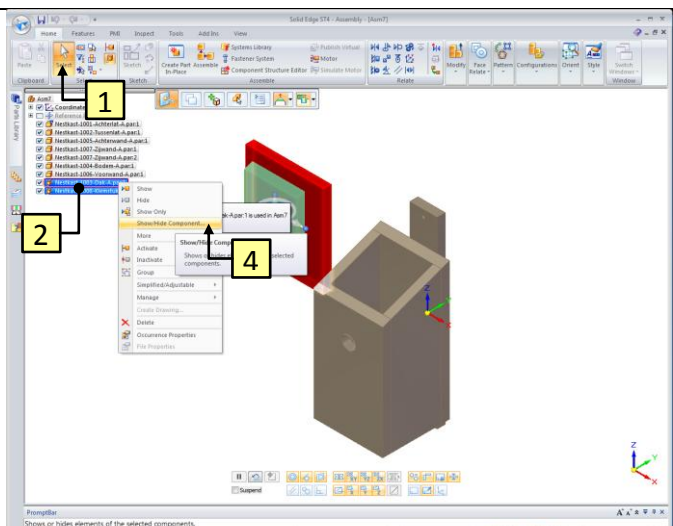
1. Click on the plane of the clamp.
2. Click on the plane of the roof.



31



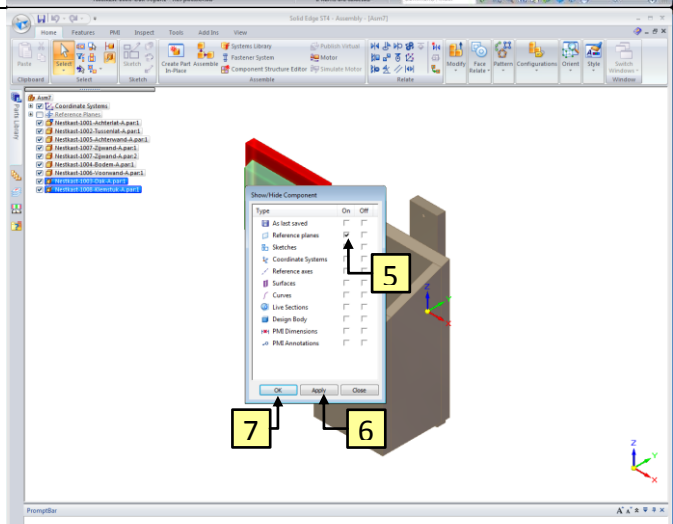
1. Click the **Select** button.
2. Select the roof and clamp in the PathFinder.
3. Click on the RMB.
4. Click on **Show/Hide Component**.



32



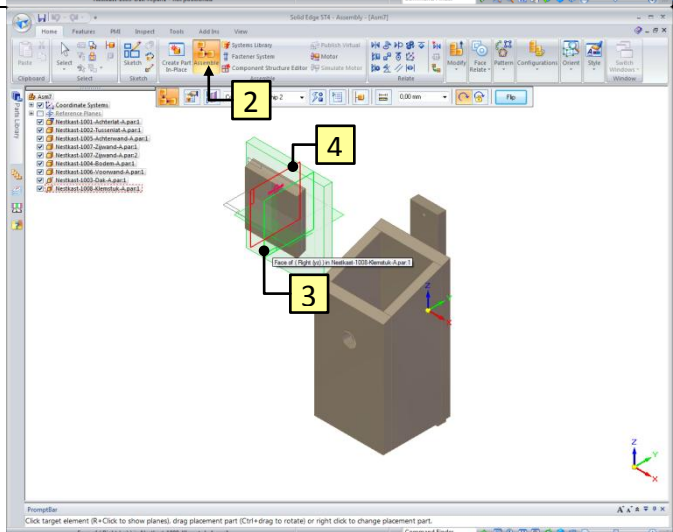
5. Select at the Reference Planes **On**.
6. Click the **Apply** button.
7. Click the **OK** button.



33



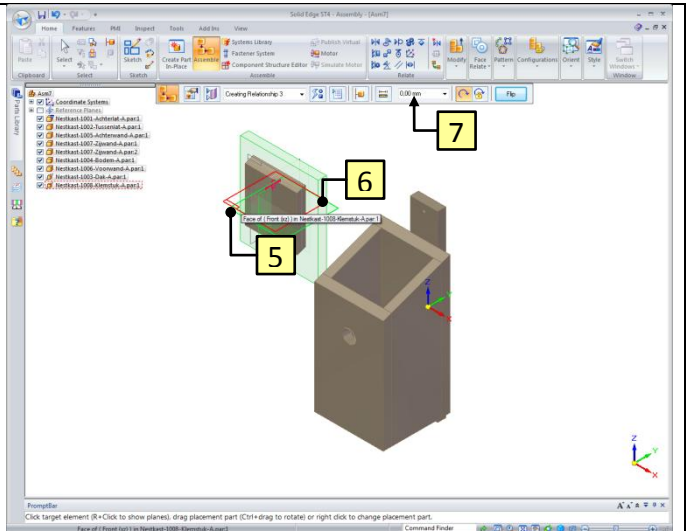
1. Press **Esc** to deselect.
2. Click the **Assemble** button.
3. Click on the plane of the clamp, as shown.
4. Click on the plane of the roof.



34



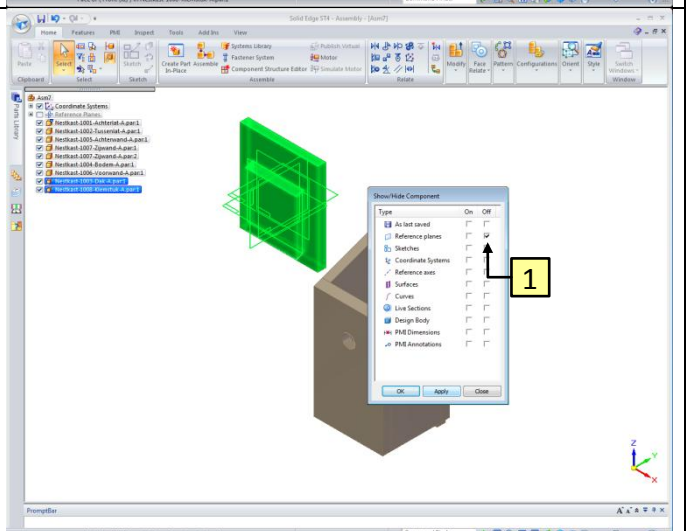
5. Click on the plane of the clamp.
6. Click on the plane of the roof, as shown.
7. Key in the value **11,65** and confirm with **Enter**.



35



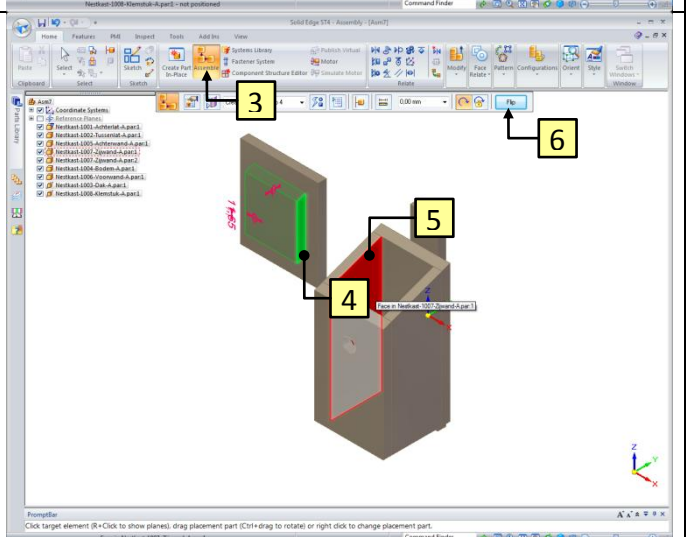
1. Repeat the steps 31 and 32, but select **Off** to turn off the Reference Planes.



36



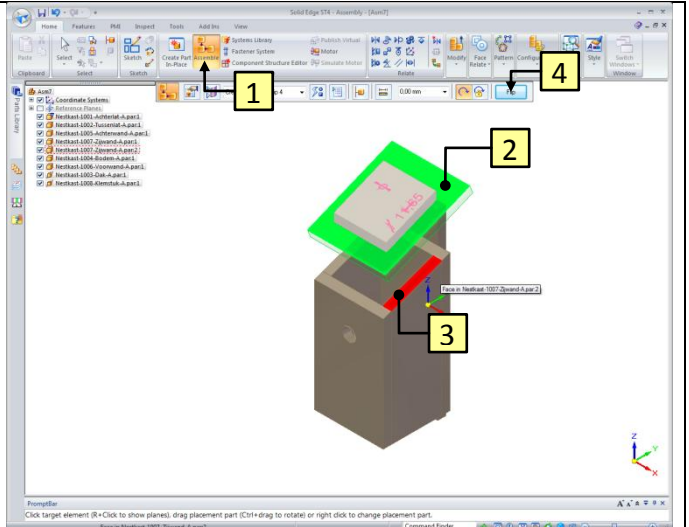
2. Press **Esc** to deselect.
3. Click the **Assemble** button.
4. Click on the plane of the clamp.
5. Click on the plane of the sidewall.
6. Click the **Flip** button.
7. Press **Esc** to deselect.



37



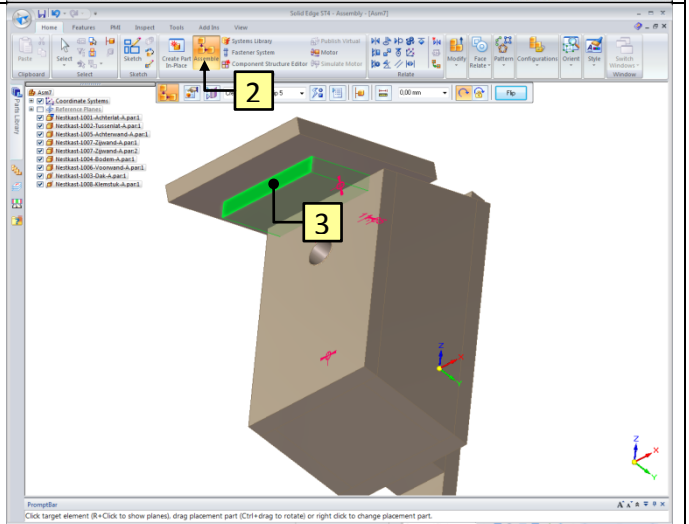
1. Click the **Assemble** button.
2. Click on the plane of the roof.
3. Click on the plane of the sidewall.
4. Click the **Flip** button.
5. Press **Esc** to deselect.



38



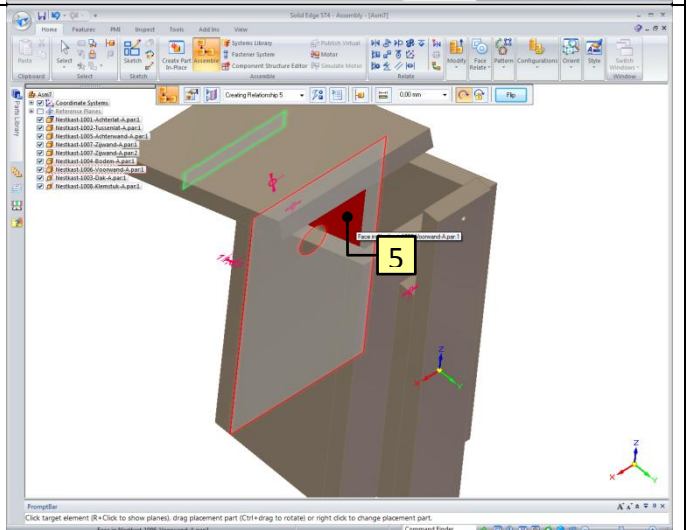
1. Turn the view.
2. Click the **Assemble** button.
3. Click on the front plane of the clamp.


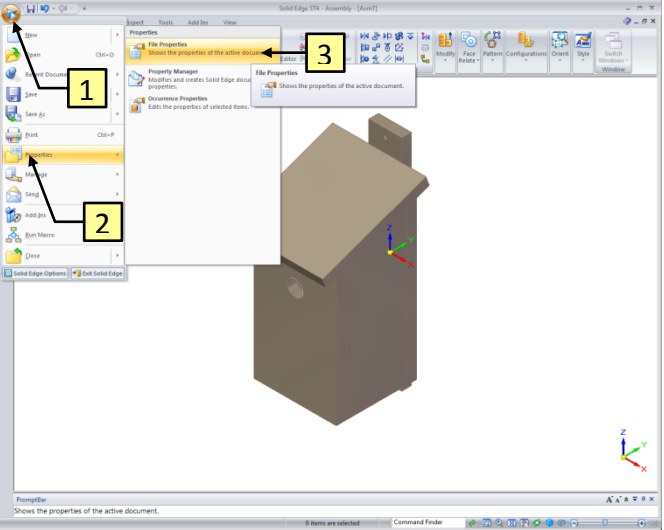

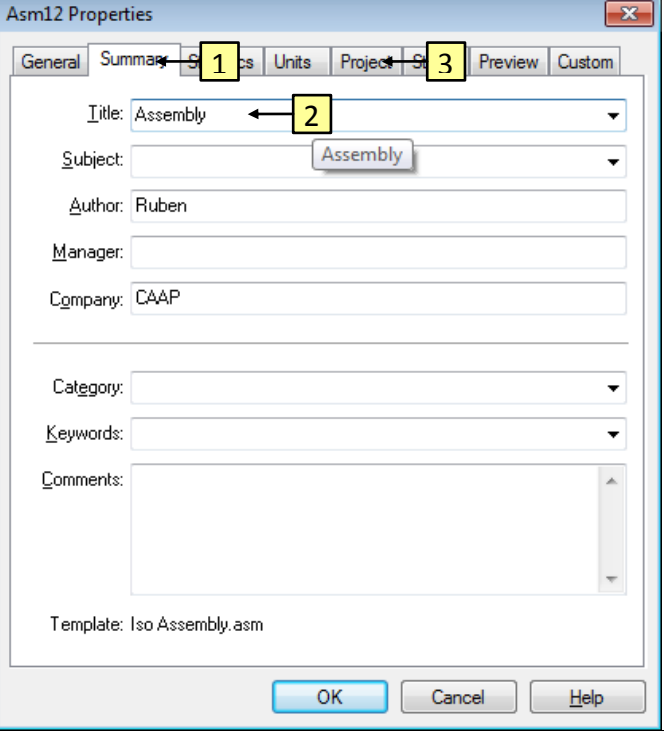



39



4. Turn the view.
5. Click on the inner plane of the front plate, as shown.
6. Press **Ctrl + i** to turn the view.



<p>40</p> 	<p>Now we set the File properties.</p> <ol style="list-style-type: none"> 1. Click the Application Button. 2. Click on Properties. 3. Click the File Properties. 	
<p>41</p> 	<ol style="list-style-type: none"> 1. Go to the Summary tab. 2. Type <i>Assembly</i> at Title. 3. Go to the Project tab and fill in the following properties: Document Number: <i>3001</i>. Revision Number: <i>A</i>. Project Name: <i>Bird House</i>. 4. Click OK to close the screen. <p>Hint: All properties of the part are saved at the File Properties. These properties will be used by making a drawing or part list.</p>	
<p>42</p> 	<p>Save the file.</p> <ol style="list-style-type: none"> 1. Browse to the folder <i>Bird House</i>. 2. Save the document by name <i>Bird House-3001-Assembly-A.asm</i>. 3. Click the Save button. 4. Close the file. <p>Hint: Save all files of one project in the same folder.</p>	