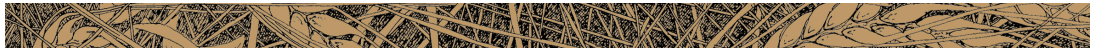
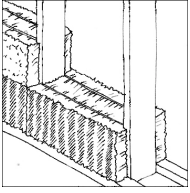


**U2 – Infill and Prefab**

<p><b>Objectives:</b></p> <p><b>Trainees ...</b></p> <ul style="list-style-type: none"> <li>understand and are able to explain the three general different construction-options of a) direct-plastering (loadbearing and hybrid, NSS), b) planking on one side (hybrid, NSS), and c) planking on both sides (infill, SSS)</li> <li>understand the needs for weather-protection, airtight and windproof construction and moisture prevention</li> <li>know the general low-energy and passive house principles</li> <li>know and are able to explain the dis-/advantages of the different techniques according to the needs, budget, safety and the building law</li> </ul> <p><b>Methods:</b></p> <ul style="list-style-type: none"> <li>presentation, lecture</li> <li>practical training,</li> <li>supervising training work</li> </ul>		<p><b>Trainer:</b></p> <p><b>Place:</b> Workshop</p> <p><b>Duration:</b> 2 days</p> <p><b>Equipment</b> wood screws straw bales tools</p>
<p><b>T H E O R Y</b></p>	<ul style="list-style-type: none"> <li>Different structural options of infill and prefabrication and their characteristics and bale requirements.</li> <li>Fixing bales in different techniques</li> <li>Compressing bales in different systems</li> <li>Advantages and disadvantages of infill and prefabrication techniques</li> <li>Details of connections: foundation, corners, windows and doors, roof, etc.</li> <li>Preparing different surfaces for plastering</li> </ul>	<p><b>Documents:</b></p> <p><b>Trainer sheet</b> T1</p> <p><b>Info sheet</b> I1 How to choose the construction-system, different techniques I2 Construction Samples</p> <p><b>Text sheet</b> X1</p> <p>Slide show</p> <p><b>Evaluation</b> Multiple choice</p>
<p><b>P R A C T I C E</b></p>	<p><b>Task</b></p> <ul style="list-style-type: none"> <li>Working groups with 3-4 TN</li> <li>Preparing the wood frame</li> <li>Infill straw bales in standing position (“on edge”)</li> <li>Compress the bales with different techniques</li> <li>Fixing the bales in the construction</li> <li>Airtight/windproof installation of a window</li> <li>Shaving the bales, if necessary</li> <li>Preparing bales/boards for plastering</li> </ul>	
<p><b>Organisation</b> 20 straw bales for each group Wood parts, boards and joints (screws, nails, brackets, staples) see material list Tools see material list</p>		



**U2 – Infill and Prefab**