

of Furniture Focused on Sustainability Design

1) The Importance of Improve Assembly process

The assembly of the furnishing is a relatively complex process, and often requires qualified professionals to perform it. Few companies provide the public detailed and easily understandable instructions that would allow the installation, even to those who are unaware of the concepts of technical drawing.

Nowadays homes tend to be unoccupied during office hours, when it would be most proper for assemblers perform their job. So, many consumers prefer assembling the furniture they have purchased, to avoid waiting for that long. Some stores even offer different prices for those shoppers that purchase, take and assemble the furnishing themselves, which reflects the adoption of a new strategy.

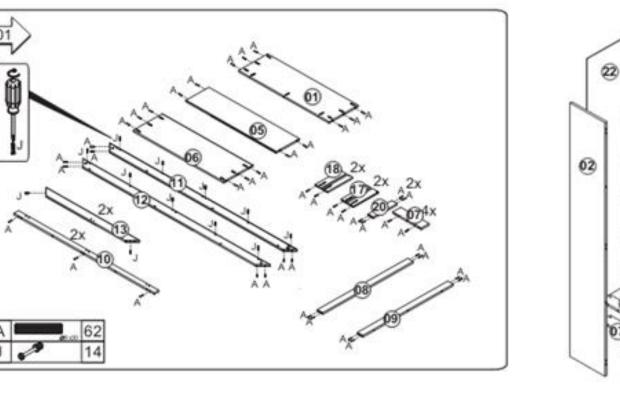
2) Self-assembly on House-Building sector

The "Do It Yourself" (DIY) approach has disseminated to other areas, and one of these is the house-building sector. In this field, the DIY methods brings new iniciatives which always use the local materials available, as clay or bamboo, and notnecessarily includes the prefabrication method, although it could implicate on preforming. Obviously, some of the traditional characteristics, as prefabrication and installation facility, were updated and modified in reason of the local resources available. Many of these, as bamboo, requires a different way of designing and building, where the designer often interacts with the construction and ends being the final user of his product.

When addressing this problem, it was decided to import the study of furniture confect design to project disciplines, as a part of design project. Designers need to consider the mounting procedures by the user's point of view, in order to make it as easy as possible, so it can be done by unware people. So, in order to the user be the constructor of own furniture, it is necessary the project to forecast that, what is not necessarily occurring. Keeping the DIY approach, it was realized the assembly of a bamboo housing modular prototype (figure 4), in partnership with Archicteture & Urbanism Department of Universidade Federal de Santa Catarina, (VITOR, 2018).







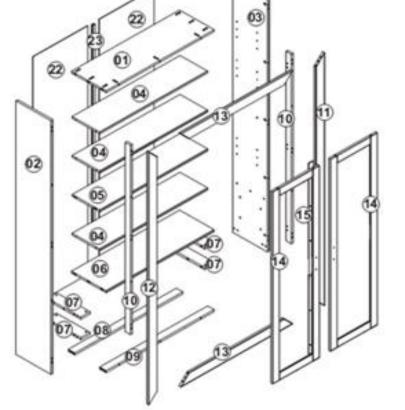




Fig. 4: Bamboo habitation prototype. Source: VITOR(2018)

VITOR, Alexandre Oliveira. Proposta de Habitação de Interesse Social (HIS) em Estrutura de Bambu: Projeto e Construção de um Protótipo Experimental. 2018. Curso de Engenharia Civil, Universidade Federal de Santa Catarina, Florianópolis, 2018.







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