

/interchange infrastructures/

**SELF-SUFFICIENT COLLECTIVE HOUSING.  
EL EJIDO, ALMERÍA. SPAIN.**

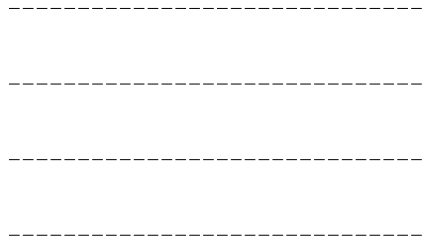
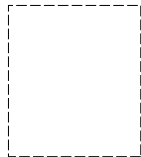
**[Honourable Mention] 1st Advanced  
Architecture Contest: self-sufficient  
housing. IAAC international competi-  
tion** //////////////////////////////////////////////////////////////////

**Size:** 125 dwellings scattered across  
the greenhouses // **Type:** Housing //  
**Structure:** Prefabricated light struc-  
ture // **Project description:** The  
proposal looks for the maximum use of  
passive systems directly related to  
local conditions. In winter, thanks to  
the greenhouses and drumwalls sys-  
tems, there is a hot air distribution  
and storage through the double envel-  
opes. In summer, the greenhouses work  
as cooling systems: the warm air  
inside is extracted through the chim-  
neys. Other passive systems are used:  
natural sunlighting systems; natural  
ventilation; dry garden landscaping;  
rainwater usage by collective  
collectors.//////////////////////////////////////////////////////////////////

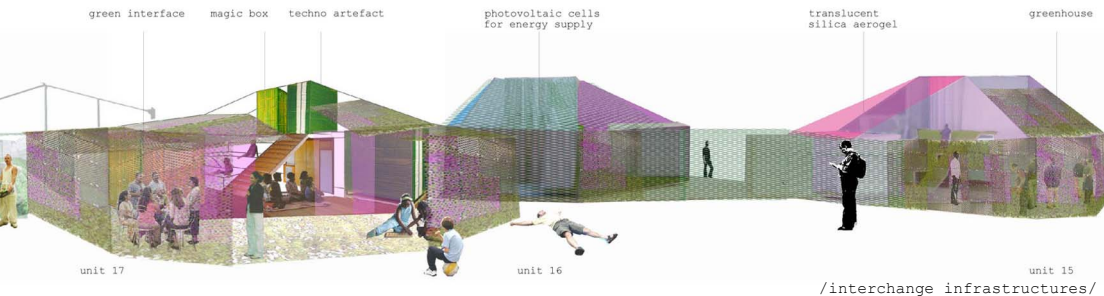
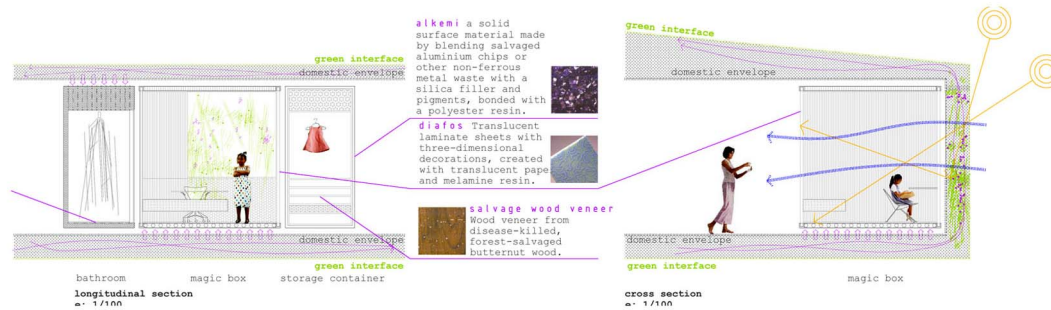
**PYO** [E]: entrepoyo@hotmail.com  
[T]: paul +34637713805  
ophélie +34607964255

**2007**

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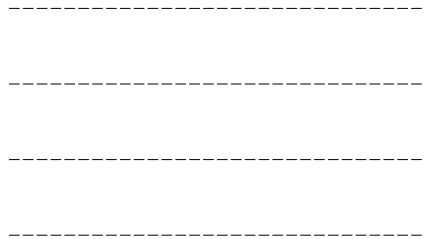
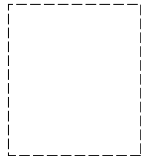
[Honourable Mention] 1st Advanced Architecture Contest: self-sufficient housing. IAAC international competition

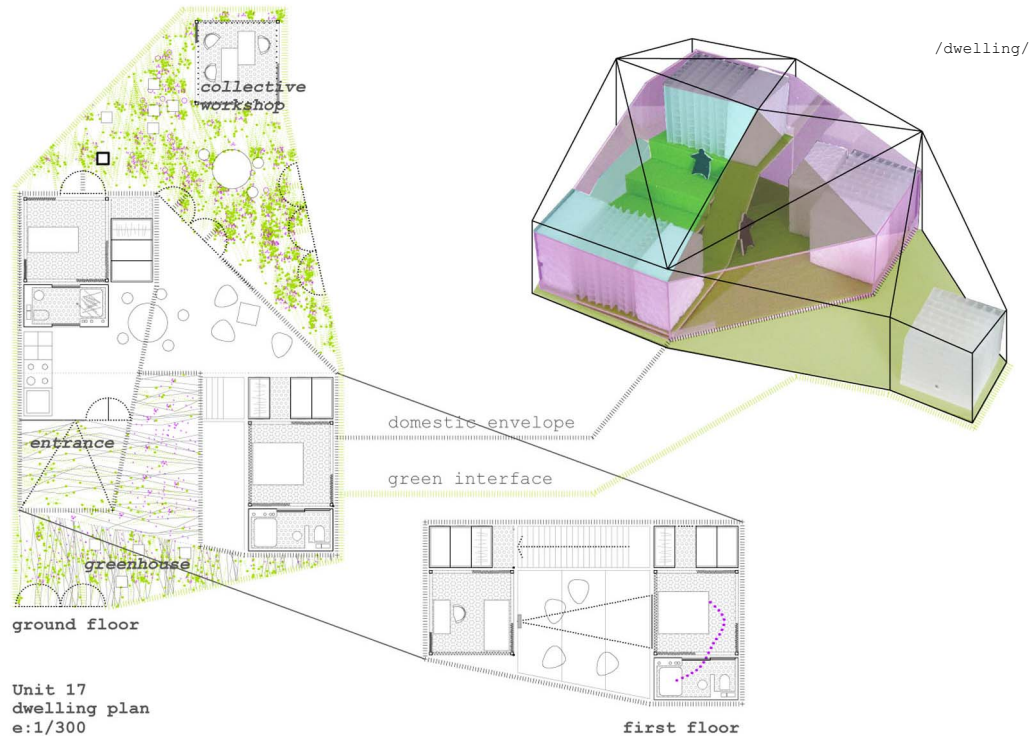
Size: 125 dwellings scattered across the greenhouses // Type: Housing // Structure: Prefabricated light structure

Project description: The proposal looks for the maximum use of passive systems directly related to local conditions. In winter, thanks to the greenhouses and drumwalls systems, there is a hot air distribution and storage through the double envelopes. In summer, the greenhouses work as cooling systems: the warm air inside is extracted through the chimneys. Other passive systems are used: natural sunlighting systems; natural ventilation; dry garden landscaping; rainwater usage by collective collectors.

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PYO [E]: entrepuyo@hotmail.com [T]: paul +34637713805 ophélie +34607964255

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Unit 17  
dwelling plan  
e:1/300

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