

*Weatherization: a model for Housing & Sustainability
public policy in Latin America*

www.weatherizers.org

1. Steel Roof without insulation



2. Fiberglass instalation



3. Aluminium structure is built

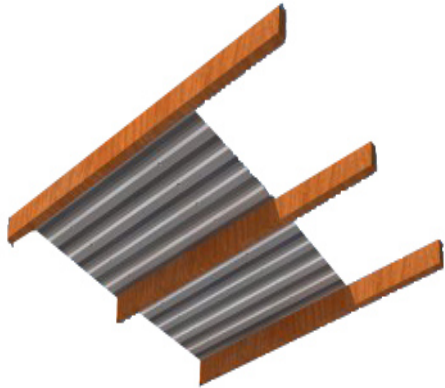


4. Ceiling is installed



Existing roofs' insulation

1-TECHO EXISTENTE



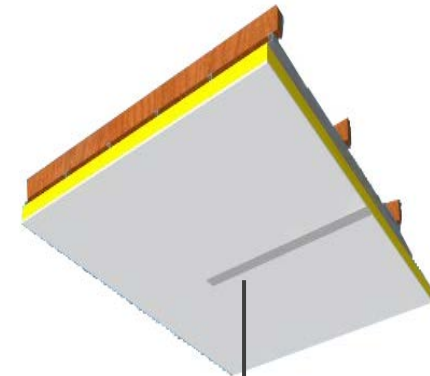
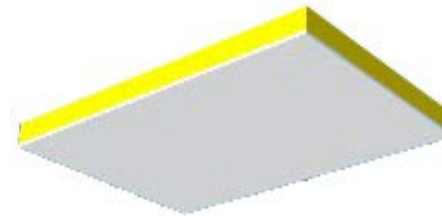
2- COLOCACION DE SOLERAS



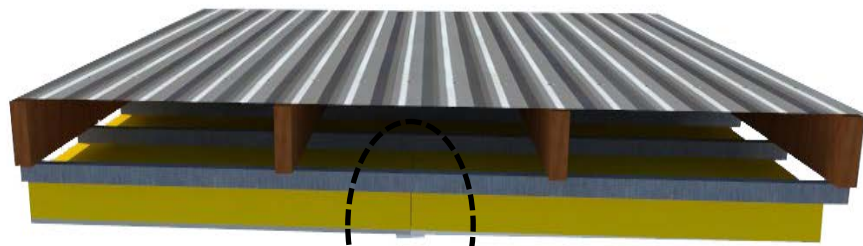
3- AISLACION: LA LANA DE VIDRIO SE COLOCA SOBRE LA PLACA DE YESO.



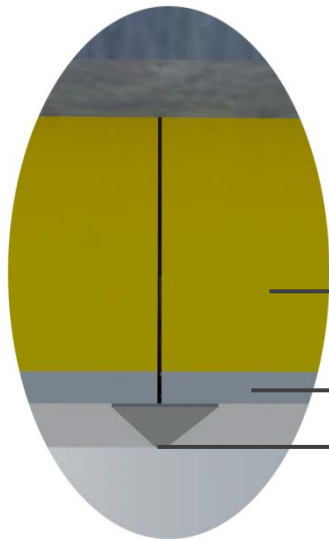
4- BAARRERA DE AIRE: SELLADO DE PLACAS DE YESO



MASILLA Y CINTA



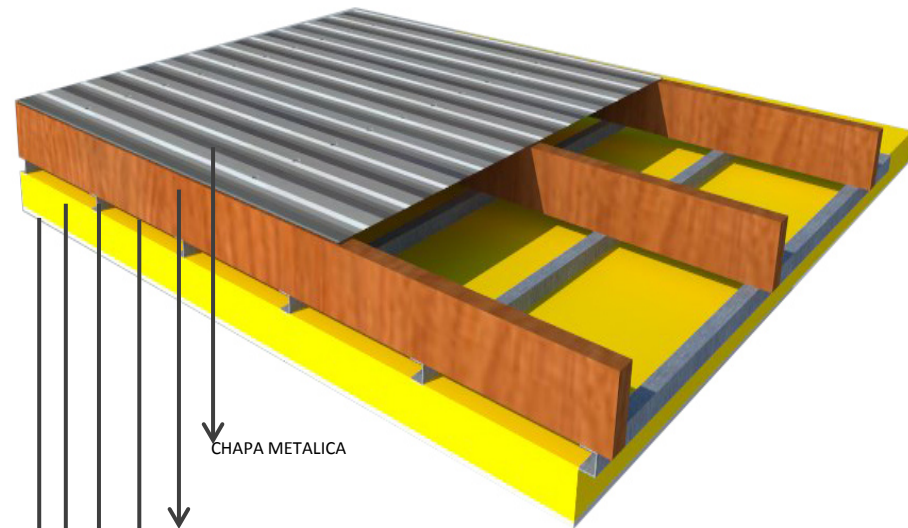
DETALLE UNION PLACAS



LANA DE VIDRIO

PLACA DE YESO

SELLADO. CINTA + MASILLA



CHAPA METALICA

ESTRUCTURA DE MADERA

CAMARA DE AIRE

SOLERAS

AISLACION. LANA DE VIDRIO CON BARRERA DE VAPOR

BARRERA DE AIRE. PLACAS DE YESO.

5. Finished Insulated Roof

Cost: \$15m2 and 2 working days



Window facing north

2 parents and 2 children sleep in this room. WWB brings sun, heat and natural light

Before



During

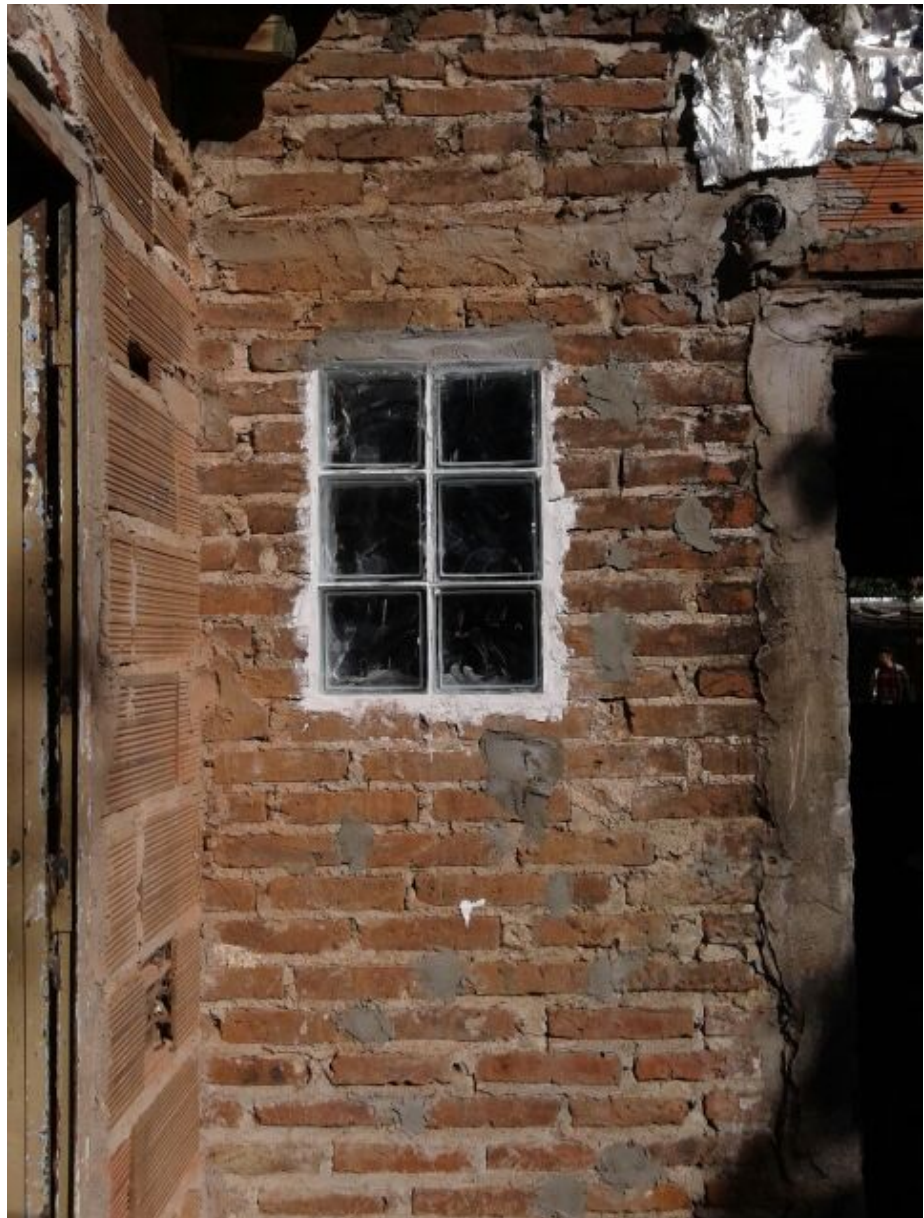


Cost: \$30 and half working day

During



After



Roof Retrofits

A leaky steel roof was repaired with an investment of \$100 and one working day



Cold in Buenos Aires

In Buenos Aires, winter temperatures can get below 0°C. When this happens families do what they can to make their homes warmer.

Sometimes this is not enough and they get sick.

Sometimes the heating methods are unhealthy and dangerous.



Health and safety

Irma is 70 years old. She has heart problems. When she's cold her bones ache and her pressure raises. Both her house and her heating system are unhealthy.



Health and safety

Irma's bedroom before weatherization



Health and safety

Shirley lives alone with her 3 children in a 30m² room. She uses a non-vented natural gas space heater to make her home as warm as possible. Weatherizers detected high CO levels at her place.



Health and safety

Weatherizers installed a CO alarm in her house.



Building capacity

Ten new weatherizers were trained. They gain capacity as they weatherize homes.
This is Daniel. He has never had a formal job.



Building capacity

Ten new weatherizers were trained. They gain capacity as they weatherize homes.
This is Juan. He cannot listen nor speak. He can weatherize now.



International fair in Buenos aires: Megaciudades 2015



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WWB tells the whole society about weatherization

