

ATLANTIDA HOMES

Premium
QUALITY

Technical specifications



CONCRETE FOUNDATIONS.

Earthworks and foundations composed of **braced isolated concrete footings¹ or cast in place slabs** on terrain with a slope of less than or equal to 3% and medium consistency.

Management of waste generated by excavation.

Ten linear meters of ditches and pipes for hooking the house facilities up to electricity and pumping networks, sewage system, etc.

HIGH RIGIDITY STRUCTURE.

The houses structure is composed of a **reinforced concrete suspended floor slab** (with an air chamber under the house) and **steel columns and beams** welded to the foundation with an earth ground connection.

With this solution we provide great resistance to earthquakes and greater rigidity than traditional construction, since the house is also capable of resisting its displacement to the plot.

HIGH ENERGY EFFICIENCY FACADE.

The facade is composed of **double steel stud frame** with **double insulation²** layer covered with **fiber-reinforced cement panels** with high thermal and acoustic performance.

Unlike the traditional facade, this system reduces the execution time to a third part and allows the passage of all the necessary installations without having to make frictions that produce the transfer of heat. This layered insulation system allows the house to be completely watertight.

White single layer plaster finish on the facade; with the possibility of finishing it with any type of material (stone, wood, porcelain, etc.) as an optional improvement.

Flat roof, not passable, made of sandwich panel with 80mm insulation on a steel beam structure. Waterproofing with PVC sheet, protected with a geotextile layer with gravel on the top. Inside, 40mm mineral wool insulation in false ceiling. For models with sloping roof, it will be finished in anthracite lacquered corrugated metal sheet.

As a final result, this system achieve a more watertight enclosure than the traditional brick facade system.

1. For a maximum depth of 1 m, depending on the geotechnical study of each plot.
2. Total insulation thickness of 12 cm approximately. The final thickness will depend on the energy study according to location and orientation.

PARTITIONS

Double steel stud frame¹ partitions with **2 layers of gypsum board on each side**, air chamber and 50 mm of thermal and acoustic insulation inside. Finished with white plastic paint.

False ceiling is installed throughout the house, with waterproofing in wet rooms and accessible points where necessary. It is composed of steel profiles and gypsum board, with a layer of 40 mm overlaid insulation. It is finished with white plastic paint.

Interior height is at 2.50 m in living areas.

HIGH TIGHTNESS AND INSULATION WINDOWS

Aluminum double panel laminated glass windows with thermal break. Depending on the case; side-hung, turn-tilt or sliding. Various colors are available to choose.

They include motorized blinds in bedrooms, flashing and exterior perimeter trim.

ARMORED ACCESS DOOR

Access door with veneered MDF sheet and steel armor with two metal sheets. Panoramic peephole, inner handle and handle on the outer face are finished in stainless steel. Lacquered door in white on the inside and matching color of the windows on the outside.

DETAILED CARPENTRY WORKS

Interior doors are semi-solid wooden, lacquered in white, with a smooth design and stainless steel handlebar. 10 cm baseboards with the same finish are installed throughout the house.

All bedrooms have built-in closets, finished to match the interior doors. The inside is lined with 16mm melamine board, including boot shelf and hanging bar. For walk-in closets, different options can be chosen.

LARGE SELECTION OF FINISHES

Atlantida Homes include laminate flooring throughout the house with various finishes to choose from. Furthermore, you can optionally choose between a wide range of materials.

Porcelanosa or similar ceramic flooring and tiling is included in bathrooms, kitchen and laundry, with various finishes to choose from.

1. Single stud steel frame in the appropriate cases because of technical adjustments .

Data and images included in the document are merely informative, not binding or contractual.

Modifications could be necessary due to technical requirements.

FULL KITCHEN

The kitchen is fully finished, with white laminate furniture and handles.

All appliances are included and integrated into the kitchen design, being equipped with: Induction hob, range hood, oven and microwave tower integrated into furniture, washing machine, dishwasher and fridge-freezer. All of them Balay or similar.

Porcelanosa or similar chrome finish faucet, with a stainless steel sink embedded under a quartz countertop.

BATHROOMS WITH CARE DETAILS

Porcelanosa or similar stainless steel finish faucet for washbasins and bidets, with thermostatic controls in bathtubs and showers.

Ceramic washbasin integrated in wall-hung cabinet with drawers, laminated or lacquered in white. A mirror with spotlight is also included.

Vitrified porcelain toilets, acrylic shower trays, and enameled steel bathtubs are from **Porcelanosa** or similar.

RECESSED LIGHTING

Low consumption recessed LED luminaires are installed in all rooms. Hanging points of light are also included in appropriate places.



EFFICIENT HEATING AND COOLING

For hot water generation, **PV panels** are installed on the roof, that are supported by an electric water heater.

Aerothermal with underfloor heating and cooling system is installed throughout the house. **Radiating floor** allows savings between 15% to 20% in relation to traditional radiators given the more homogeneous distribution of heat throughout the space.

Energy consumption can further be improved by installing geothermal system. This 100% renewable energy source allows savings of more than 45% compared to conventional gas boilers.

FACILITIES

All the necessary facilities for your home are included in final price fixed, as well as their execution and connection with public supply networks.

- Plumbing network installation for hot and cold water with pipe with anti-condensation insulation.
- Solar panels and its connection to the relevant installation according to the chosen systems.
- Complete sewage system.
- Electrical and telecommunications installation; including recessed lights, data and television in all rooms, electrical mechanisms and general table.
- Electric car charging installation in garages.
- Exterior faucet, plug and light point installed on suitable points of the facade.

We also include state-of-the-art **complementary facilities** to increase comfort within your home:

- Motorized blinds in bedrooms with embedded box, with the option of including them throughout the house. On the other hand, you can also put them with security control.
- Pre-installation of alarm.
- Video intercom.
- Thermostat in living room and bedrooms.

In addition, you can complete your Atlantida Home with technology such as home automation. You could control HVAC, blinds and lighting through your smartphone; or enjoy Sonance speakers integrated in false ceiling with WIFI connection.

The price of your Atlantida Home includes:

PROJECT

- Urban and geometric feasibility study.
- Topographic survey and geotechnical study.
- Access to lot viability study.
- Design development and construction documents.
- Energy study of the house.

CONSTRUCTION

- Project management.
- Construction administration of work.
- Health and Safety Plan and Project.
- Coordination of Safety and Health in the Work.
- Construction quality controls.
- Transport of modules to plots of up to 100 km.
- On-site modules assembly.
- Standard foundation.
- Finished house with complete equipment to move into.

WARRANTY

- Energy efficiency certificate.
- Legal warranty of all constructions.

