

EDIFÍCIO HORIZONTE

RESIDENTIAL APARTMENTS IN ERICEIRA

2017-2019

Location

Ericeira, Portugal

Customer

A1V2 Imobiliária

Estimated Cost

Confidential

Stage

Basic design

Concept design

Scheme design

Detailed design

Technical assistance to the construction works

Area

3450 m²

The Edifício Horizonte (Horizonte Building), located in the town of Ericeira in a privileged position by the sea, consists of a residential building that includes a total of seventeen apartments, distributed over five floors.

The lower floor is intended for owner's private parking and the four upper floors of the building are fully assigned to the housing function, housing a set of sixteen one-bedroom and two-bedroom apartments

With an area of 920 m² and a 16 m high, the building provides a formal solution whose advances and setbacks, resulting from compliance with regulatory parameters and adaptation to confrontations, were optimized to affirm a dynamic and appealing volumetry.

This formal dynamism was also enriched by the material options and the chromatic composition of the various elements of the façade, either highlighting advanced planes or differentiating between recessed surfaces.

VIEW FROM THE WEST ELEVATION





GARDEN ACCESS

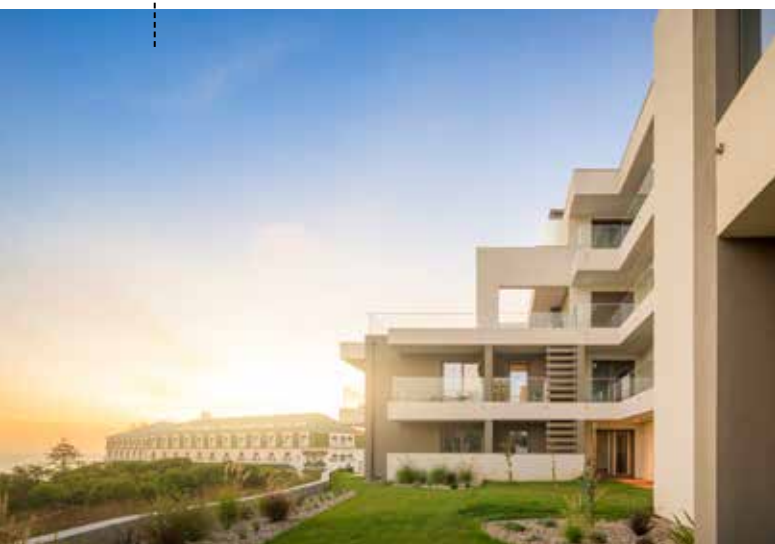
Considering its location in the first line of coastal building and 30 m from the beach, the building was designed and the apartments distributed with the aim of allowing everyone to enjoy a view of the sea.

With the same purpose, all the apartments have large balconies and glazed balconies - and in some cases, generous terraces - that promote their use as exclusive outdoor areas, framed by an exceptional natural setting.

VIEW OF THE BUILDING MAIN ENTRANCE



VIEW OF THE GARDEN





VIEW OF TH COURTYARD

VIEW FROM THE WEST ELEVATION

VIEW OF THE HALL TO THE BUILDING



EDIFÍCIO HORIZONTE

RESIDENTIAL APARTMENT BUILDING IN ERICEIRA

2017-2019

Location

Ericeira, Portugal

Client

A1V2 Imobiliária

Stage

Detailed Design

Construction follow-up

Area

3450 m²

This residential apartment building is located in an urban lot at the village of Ericeira that has an implantation area of approximately 800 m². The building includes one underground parking floor, four residential floors and a roof.

The building features a typical structural solution in reinforced concrete, characterised by flat slabs with thicknesses between 0.15 m and 0.25 m. The beams bridge the gaps between slab panels and ensure greater resistance to horizontal actions in the facade elements. The stairwell and elevator core walls, 0.20 m thick, confer resistance against seismic forces and remaining horizontal actions.

The underground floor is contained by 0.25 m thick peripheral walls.

As recommended by the geologic and geotechnical report, the design includes foundation slabs of variable thickness.

The thickness of the foundation slabs around the columns, stairwell, elevator core and walls is 0.50 m, due to the concentration of high loads. In the remaining areas, the foundation slabs have 0.30 m thickness. This ensures that loads are carried to the ground with a uniform tension, with a value below the allowable limit (200 kPa).

BUILDING CONSTRUCTION



BIM MODEL (REVIT)



BIM MODEL (ROBOT)

