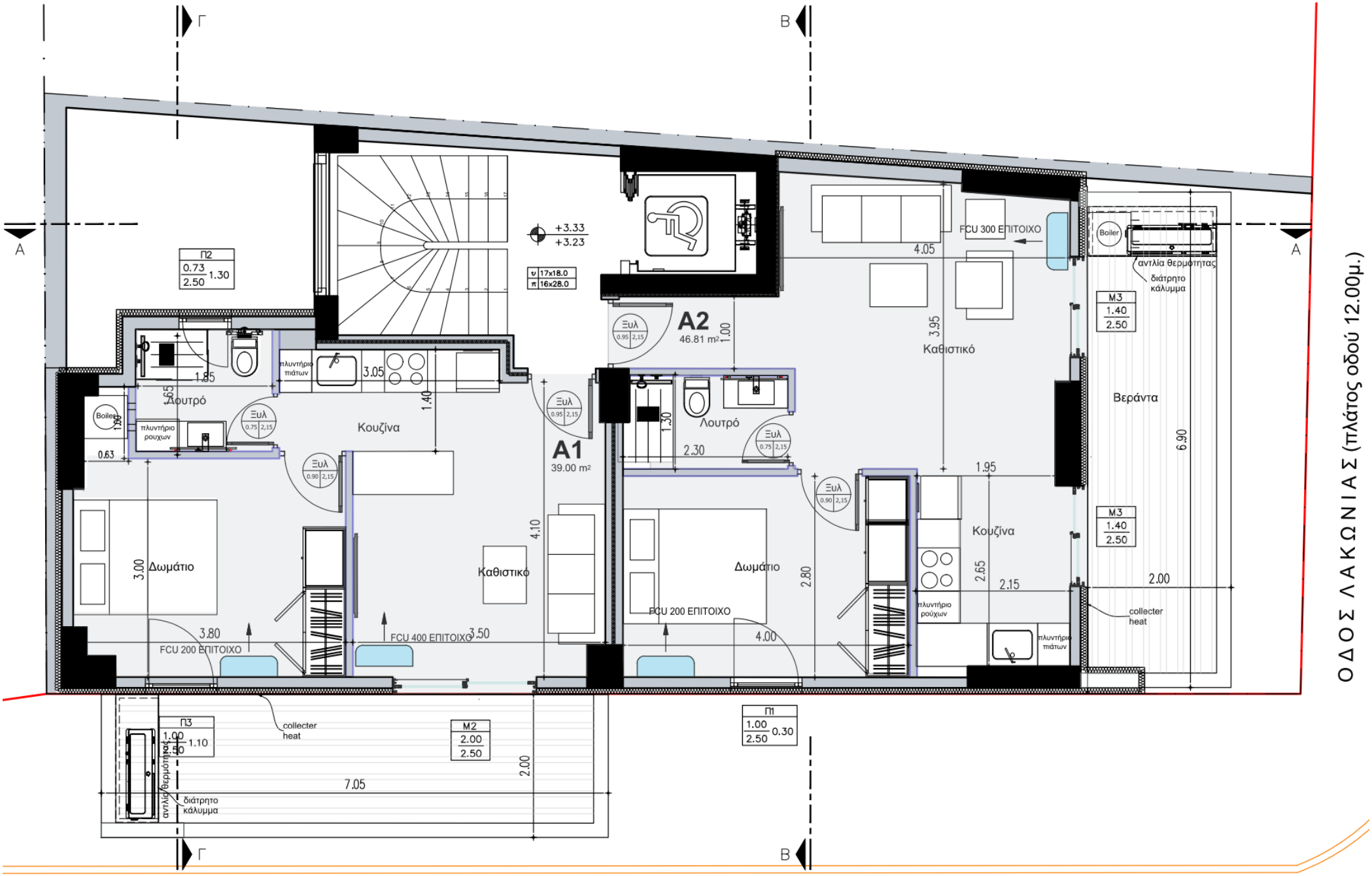
Pi-constructions


Γ
Β
Α
Α
Π2
0.73
2.50
1.30
+3.33
+3.23
ψ 17x18.0
π 16x28.0
A2
46.81 m²
1.00
Ξυλ
0.95 2.15
FCU 300 ΕΠΙΤΟΙΧΟ
4.05
3.95
Καθιστικό
Boiler
αντλία θερμότητας
διάτρητο κάλυμμα
Μ3
1.40
2.50
Βεράντα
6.90
πλυντήριο πιάτων
3.05
1.85
1.55
Λουτρό
Κουζίνα
1.40
Boiler
1.00
πλυντήριο ρουχων
0.63
Ξυλ
0.75 2.15
Ξυλ
0.90 2.15
A1
39.00 m²
Ξυλ
0.95 2.15
1.30
Λουτρό
2.30
Ξυλ
0.75 2.15
1.95
Ξυλ
0.90 2.15
Κουζίνα
3.00
Δωμάτιο
4.10
Καθιστικό
Δωμάτιο
2.80
2.65
2.15
2.00
πλυντήριο ρούχων
collecter heat
3.80
FCU 200 ΕΠΙΤΟΙΧΟ
FCU 400 ΕΠΙΤΟΙΧΟ
3.50
FCU 200 ΕΠΙΤΟΙΧΟ
4.00
πλυντήριο πιάτων
Π3
1.00
2.50
1.10
collecter heat
Μ2
2.00
2.50
2.00
7.05
αντλία θερμότητας
διάτρητο κάλυμμα
Π1
1.00
2.50
0.30
Γ
Β
ΟΔΟΣ ΛΑΚΩΝΙΑΣ (πλάτος οδού 12.00μ.)
ΠΛΑΤΕΙΑ ΛΑΚΩΝΙΑΣ

GENERAL DESCRIPTION OF THE BUILDING

The building will consist of:

- the GROUND FLOOR level, which includes the entrance to the building, stairwell with elevator, pilothouse, six (6) parking spaces, PPC and gas clock installation area, as well as surrounding area,
- the FIRST FLOOR level, includes a stairwell area with an elevator and two apartments with balconies.
- The level of the 2nd FLOOR, includes a stairwell area with an elevator, two apartments with balconies and a bay window.
- The level of the 3rd FLOOR, includes a stairwell area with an elevator, an apartment with balconies and a bay window.
- The 4th FLOOR level includes a stairwell area with an elevator, an apartment with balconies and a bay window.
- The level of the 5th FLOOR, includes a stairwell area with an elevator, an apartment with balconies and a bay window.
- The level of the 6th FLOOR, includes a stairwell area with an elevator, an upper floor apartment with balconies and bay windows.
- The level of the 7th FLOOR, includes a stairwell area with an elevator, an apartment with balconies and a bay window.
- the Roof level which includes a stairwell area with an elevator, a Roof area with solar photovoltaic panels.

DESCRIPTION OF THE APARTMENT A1

Apartment A1 is located on the 1st floor and has an area of 39.00 sq.m.

Consists of

- living room measuring 3.50 m X 4.10 m with an open kitchen measuring 3.05 m X 1.40 m
- bathroom with a window measuring 1.85 m X 1.65 m
- bedroom measuring 3.80 m X 3.00 m
- and a terrace facing the square

it has a security door, fire detection, alarm system pre-installation, underfloor heating, heat pump, two wall-mounted air conditioning units, three-phase current, boiler and exclusive use of the 6.60 sq.m. roof. for installing photovoltaic panels.

SPECIAL REQUIREMENTS FOR THE CONSTRUCTION

Energy Class A+

The highest Energy Class A+ is achieved through:

1. Installation of Photovoltaic systems for generation electricity (Net Metering) to be used by each apartment separately.
2. Construction of an external thermal facade 10 cm thick.
3. Construction of dry underfloor heating for immediate response and greater economy.
4. Installation of a Heat Pump for low cost heating and VRV type air conditioning of the apartment.
5. Installation of energy aluminum frames and energy glass panels.

High Earthquake Protection

It is achieved by:

1. Foundation method was determined with MAT Foundation (RADIER).
2. Selection of concrete C30/37 and use of Anti-seismic Cages.
3. Continuous Laboratory Tests of concrete and iron from the Official KEDE- Laboratory of the Ministry. Concrete thermometer.
4. Standard maintenance of concrete. Continuous wetting with burlap laying and use of the SIKA Antisol E concrete enhancing agent.
5. Full compliance with the Concrete Technology Regulation.

Insulation

1. Waterproofing on the roof is done with Hyperdesmo or TPO membranes.
2. The soundproofing of the bedroom floors, the sewerage pipes and the masonry create a high level of sound insulation in each apartment.
3. The construction of all the internal masonry contributes to this with the use of 4 layers (2+2) of KNAUF plasterboards with the corresponding insulation of stone wool inside the partitions. The construction of the partitions using plasterboard gives great flexibility to the possibility of future amendments and is by nature an anti-seismic construction.

Safety systems

1. High standard Alarm System.
2. Fire detection system in all areas of the apartment.
3. Security doors at the apartment entrances.
4. Foundation grounding.
5. Lightning rod.

Additional energy and operational issues

1. Pre-installation of a charging system for electric cars, in the parking spaces of the apartments.
2. Electromechanical elevator with semi-automatic doors, automatic release, high speed and low operating cost.
3. LED lighting and transit sensors in all common areas.

Documentation - maintenance of the estate

Pi-constructions delivers to the House Owners a Detailed Construction File, the Quality File, which is necessary for the Support and Maintenance of the entire building. Includes :

1. Complete Construction Record of the Building (AS BUILD)
2. Mapping of networks and pipelines (Photos – VIDEO)
3. Material Certifications
4. Operation and Maintenance Guide