

Penha Living Closer

PENHA DE FRANÇA

Material and equipment

Brand and model

Energy pre-certification: A (unit H), B (unit G) and B⁺ (units A, B, C, D, E and F)

Air conditioning systems using split-type heat pumps (in unit B) and multi-split systems (in the remaining units), with reversible operation (heating/cooling), consisting of outdoor units and indoor units located in the spaces to be climatized. The outdoor unit includes a variable-speed compressor (invert) and uses R32 refrigerant, known for its high efficiency and low environmental impact. The indoor units are wall-mounted, installed near the ceiling.

HAIER, GEOS XT AS35RBAHRA-4 and 1U35YESFRA-4 (split unit B); multi-split outdoor units: 2U40S2SM1FA (units A, D, and F), U55S2SR5FA (unit H.2), 3U70S2SR5FA (units C, E, and H.1) and 4U75S2SR5FA (unit G); multi-split indoor units: AS35RBAHRA-4(units F.2, G.3 and H2.2) and AS25RBAHRA-3 (others)

Domestic hot water (DHW) heating system composed of monobloc heat pump for indoor installation with evaporator and condenser units integrated into the hot water storage tank, also with support resistor, 114L of hot water volume (units C and E); 80L of hot water volume (units A, B, D, and F); electric support resistor

ENERGIE, MONOBLOC 120 L (units C and E)

Ventilation with natural intake through openings with self-regulating acoustic grilles and mechanical extraction in sanitary facilities

France Air, Isola 2; SODECA, EDMF-150

Material and equipment

Brand and model

Water heating systems via solar system composed of a pair of high-efficiency solar collectors sized 1147 x 2187 x 87 mm each (SOL 250) and 1147 x 1753 x 87 mm each (SOL200), solar station, high-efficiency circulation pump with permanent magnetic rotor, solar control unit, and storage tank made of enameled steel with electric backup heater with 2.5kW power and hot water volume of 225L (unit H) and 145L (unit G)

BAXI, Collectors SOL 250 (unit H) and SOL200 (unit G), tanks AS 200-2E (unit H) and AS 150-1E (unit G), Solar Central Unit SH7 Compact

Kitchen exhaust by individual natural ventilation duct and hood in compartment (units G and H) or by recirculating hood with activated carbon filter (others)

SMEG, KSG52HPE, KITFC221R

Electrical fittings with matte white finish

EFAPEL, 5000

Electric elevator with 525 kg nominal load, 7-person capacity in cabin interior dimensions (1.0 x 1.37 x 2.1 m), speed of 1 m/s, seismic category II, door dimensions (80 x 200 cm) and stainless steel finish, walls in melamine panels and mirror

LIFETECH, MP GO

Material and equipment

Brand and model

Lighting with warm white LED spots in indoor false ceilings
(light points in bedrooms and living rooms)

Roblan, ALLINR2466BC, ALLINR2435BC

Mechanical smoke extraction system for vertical circulation
with pressurization fan, pressurization control system, smoke extraction panel
and connection to fire detection system for activation

ENERGIE, MONOBLOC 120 L (frações C and E)

IP video intercom system

Common areas, façades, roofs and external landscaping

Brand and model

Exterior stone walls paired with approx. 70 cm thickness, concrete shotcrete with 6 cm thickness; internal thermal insulation in 60 mm XPS and 2.5 cm thick plasterboard; exterior finish with textured paint; interior finish with paint (existing façades)

Exterior walls in 24 cm ceramic brick masonry with external thermal insulation composite system (ETICS) in 60 mm EPS; exterior finish with textured paint; interior finish in projected stucco and paint (extension)

Party walls in 24 cm ceramic brick masonry with internal thermal insulation in 50 mm EPS and 2.5 cm thick plasterboard; interior finish in projected stucco and paint (extension)

Party walls of paired stone approx. 38 cm thick, concrete shotcrete of 5 cm thickness, internal thermal insulation in 50 mm XPS and 2.5 cm thick plasterboard; interior finish in projected stucco and paint (existing walls)

Common areas, façades, roofs and external landscaping

Brand and model

Party walls in 24 cm ceramic brick masonry with internal thermal insulation in 50 mm EPS and 2.5 cm thick plasterboard; interior finish in projected stucco and paint (extension)

Walls between units in thermal/acoustic ceramic brick masonry of 24 cm with projected stucco and paint finish

Walls between units and common areas in 15 cm ceramic brick masonry with internal thermal insulation in 50 mm EPS, 2.5 cm plasterboard (unit side), and projected stucco and paint finish (common area side)

Interior walls of units in a system consisting of 1.5 cm plasterboard on each side and internal rockwool of 7 to 12 cm (total wall thickness of 10 to 15 cm)

Ground floor slab raised with 30 cm crawl space and 2 cm XPS thermal insulation

Common areas, façades, roofs and external landscaping

Brand and model

Intermediate floor slabs in reinforced concrete with extruded polystyrene insulation between 4 cm (floors 1 and 2) and 8 cm (floors 3, 4 and 5) in thickness

Flat roofs waterproofed with asphalt membrane over 8 cm extruded polystyrene thermal insulation under the screed layer

Roof with traditional ceramic tile in natural color, underlay, 10 cm thermal insulation in extruded polystyrene, support structure in concrete, and reinforced concrete roof slab with 3 cm extruded polystyrene insulation

Common staircases with solid oak steps and treads with 4 cm thickness

Common area flooring in marble-like ceramic "azul valverde", 30 x 30 cm format

External window/door framing and thresholds in Lioz marble

Kitchens

Brand and model

Cabinets with doors in moisture-resistant MDF lacquered matte white, white melamine interiors, aluminum skirting, soft-closing hinges, recessed handles, and lighting under the upper module

Countertops in artificial mineral stone with low silica content, 2 cm thick

SILESTONE, NOLITA

Undermount kitchen sink in brushed steel, embedded in countertop, with manual valve

RODI, BOX LUX 45; FIRST

Single-lever mixer tap for kitchen sink with pull-out aerator and chrome finish

BRUMA, GINGER 122 700 3CR

Built-in combined refrigerator

SMEG, C8175TNE

Built-in multifunction oven with microwave function and stainless steel finish

SMEG, SF4400MCX1

Kitchens

Brand and model

Induction hob with two multi-zones, full surface coverage, automatic activation of correct cooking zone, and controls only visible when in use

SMEG, SIM3644D

Built-in extractor with grease carbon filters in brushed stainless steel

SMEG, KSG52HPE + KITFC221R

Fully integrated dishwasher with three baskets, eleven programs, washes up to 75°C, and automatic door opening

SMEG, ST363CL

Built-in washer-dryer with 7 kg wash capacity and 4 kg dry capacity, 1200 rpm, and wash temperature up to 90°C

SMEG, LSIA127

Ceilings

Regular moisture-resistant plasterboard 15 mm thick, with perimeter shadow gap profile, painted with washable water-based paint, smooth matte white finish

Sanitary installations

Brand and model

Fineceramic washbasin, bathroom cabinet with two drawers in matte white finish (60 x 46 x 64.5 cm) (W x H x D) and mirror

ROCA, ONA UNIK A851688509; VICTORIA BASIC

Porcelain washbasin and bathroom cabinet with two drawers in matte white finish (1.05 x 46 x 56.5 cm) (W x H x D) (units E, G, and H - 1 unit) and mirror

ROCA, ALEYDA, A851820509; INSPIRA A32752C620

Rectangular steel bathtub 1200 x 700 x 415 mm (units G and H - 1 unit)

ROCA, CONTENSA A212106001

White non-slip resin shower tray with valve and stainless steel grill

MENACHO, MEVA

Wall-hung toilet with "soft-close" seat and built-in cistern

ROCA, ONA A346687000

Built-in single-lever mixer for shower and bathtub with two outlets (hand and wall shower)

BRUMA, LUSITANO 107 760 6CR

Single-lever basin mixer with chrome finish

BRUMA, LUSITANO 107 000 0CR

Flooring

Brand and model

Laminate floating flooring 1380 x 193 x 12 mm with real wood appearance, class AC5/33

SWISS KRONO, SWISS SOLID CHROME D3033 ZERMATT OAK

Solid Lioz stone flooring (balconies)

40 x 40 cm ceramic flooring, salmon Lioz style (terraces)

Projecting skirting board in white lacquered PVC, 7 cm high

Interior walls

Smooth stucco painted with anti-fungal paint, matte white finish

Double-fired white body tile in 25 x 45 cm format, natural matte finish (bathrooms and backsplash)

CINCA, FACTORY Branco Nuvem 6112

Openings, cabinets, and staircases

Brand and model

Exterior aluminum frames with thermal break, fixed and tilt-and-turn types, in RAL 9003 (white) and RAL 7092 (gray); Lioz stone sills

CAIXIAVE

Double glazing, with exterior laminated glass 6 mm thick with solar protection coating, 16 mm air gap, and interior laminated glass 6 mm thick

SAINT GOBAIN; VITROCHAVES, PLANITHERM ONE

Bedrooms with interior blackout blinds installed directly on the frames

TETSOL, ROLNIGHT

Electric thermal horizontal blinds in aluminum (units A and B)

REPRESTOR

Metal balcony railings with RAL 7042 finish

Interior stair railings lacquered white with oak handrails, staircase shaft protection in glass (unit H)

Openings, cabinets, and staircases

Brand and model

Security entrance doors for units, with three-point security lock, 4-inch stainless steel hinges, and peephole, finished in natural oak veneer with white lacquered trims

VICAIMA, PORTARO SEGURANÇA

Interior swing and sliding doors, Vicaima Portaro type, finished in natural oak veneer with white lacquered trims and matte black handles

Batista Gomes, P.E1400Z.849N AMSTERDAM

Sliding wardrobes, Vicaima Advanced system, finished in natural oak veneer

Penha Living Closer

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