Home automation and local controls

External path lighting, gate operation and plant monitoring. Local controls remain available if the monitoring connection fails.

Project data

Item	Project information
Design	Chiappella · Casa del Noce and Casa del Forno
Sheet scope	Lighting and monitoring
Design reference	48 V · maximum voltage on the stair
Edition	Public · 24 November 2026
Format	A3 landscape · print at 100%

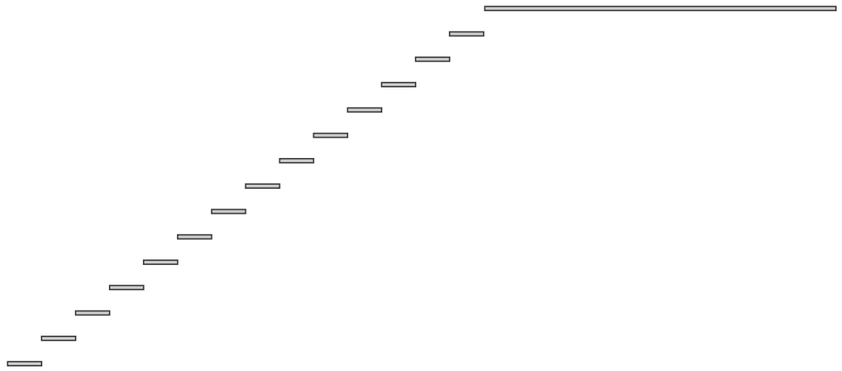
Issued by

ColivingLiguria S.r.l.
Project presentation

Preliminary design · public edition

Noce and Forno are offered for sale together. Professional reviews, utility connection conditions and municipal permits require documentary evidence.

Lighting and monitoring



Profile derived from the modelled treads and landing.

Services for both houses

Local operating functions and monitoring displays

Lighting

Daylight

Day or night conditions

→

Passage

Request lighting during passage

→

Route

Light the approach, flight and landing

Access

Entry request

Authorised people

→

Local confirmation

Report the outcome

→

Operation

Test local exit on site

Plant room

Water and heating

Plant status and temperatures

→

Energy

Readings available from devices

→

Monitoring

Display and alerts

Shared services

Noce and external areas

Separate areas and functions

→

Forno

Complete the room-by-room inventory

→

Handover

Test installed devices

Local control

Essential controls operate locally. The heat source and electrical equipment retain their own protective functions.

Home Assistant

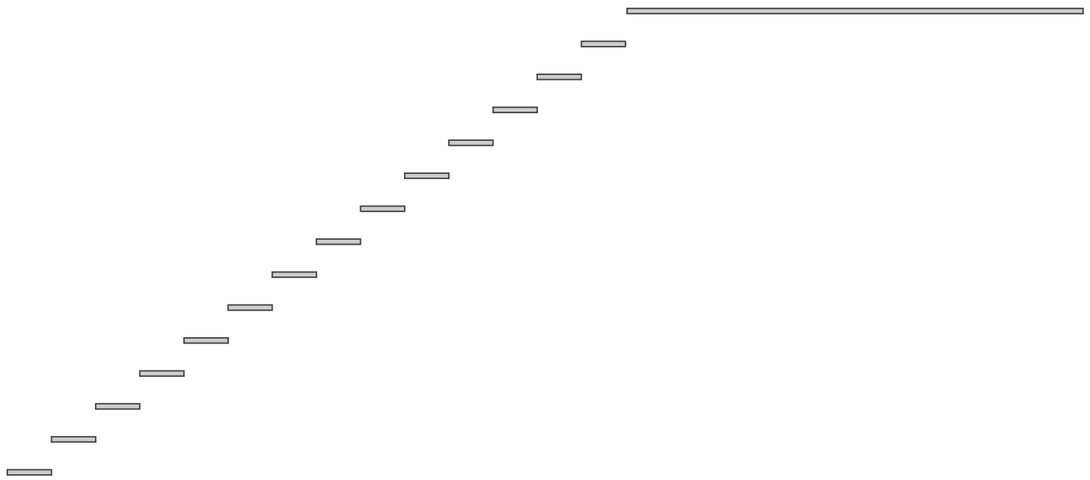
The monitoring interface displays states, readings and events. Flag missing readings as unavailable.

Verification

Complete the Forno inventory and test the selected devices, including operation with the network offline.

Lighting along the Noce stair

Walking-surface profile · scale 1:35 when printed at 100 percent



Flamed granite on the treads and landing. Proposed lighting operates at a maximum of 48 V.

At night

Presence lights the stair flight. The timer allows for pauses and travel in either direction.

By day

When daylight provides sufficient visibility, the lights stay off.

Path and gate

Passage detection controls lighting. The access controller checks entry rights separately. Test the exit function with the technician.

Plant monitoring and tests

Proposed plant room functions

Water

Potential leak	→	Alarm	→	Verification
Detection in the affected zone		Local indication		Functional test with water

Heating

Domestic hot-water temperature	→	Heating circuit	→	Verification
Generation and storage		Separate measurement		Compare with a local reading

Energy

Grid import	→	Generation	→	Verification
Select a compatible meter		Measure separately from grid import		Check sign and unit

Availability

Latest reading	→	Alert	→	Recovery
Check reading validity		Flag stale readings		Reconcile actual device state

Equipment data

The fireplace design identifies supply and return temperatures, pressure and flow. Local regulation and monitoring have separate functions. Confirm available signals on the selected equipment.

Alarm

The design provides leak indication. Any automatic water isolation requires a separate assessment.

Commissioning

Verify the result on site after power loss and again after communication returns.

Checks and design status

Requirements for detailed design

Functional survey

Record Forno requirements by floor. Check daylight levels and visibility along the Noce external path.

Functional tests

Test ascent, descent, pausing, power restoration and network loss. Verify actual illumination across the entire flight.

Acceptance tests

The technical team checks local controls, exit and indications. Record the results before accepting the installation.

Reading this edition

The drawings describe the proposed design for both houses, which are offered together. Model dimensions require site verification.

Professional and municipal review

The appointed professionals must review the drawings. Technical signatures, filing references and municipal approval are outstanding.

Project presentation

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