Casa del Noce building structures

The design retains the existing structural floor beams in place. The drawings identify visible surfaces, concealed fabric and the checks needed to determine the work.

Project data

Scope	Project information
Building	Casa del Noce, Chiappella
Design option	Existing timber beams retained
Survey basis	Seven floor groups and two separate roof sections
Issue date	23 November 2026
Sheet format	Landscape A3, print at 100%

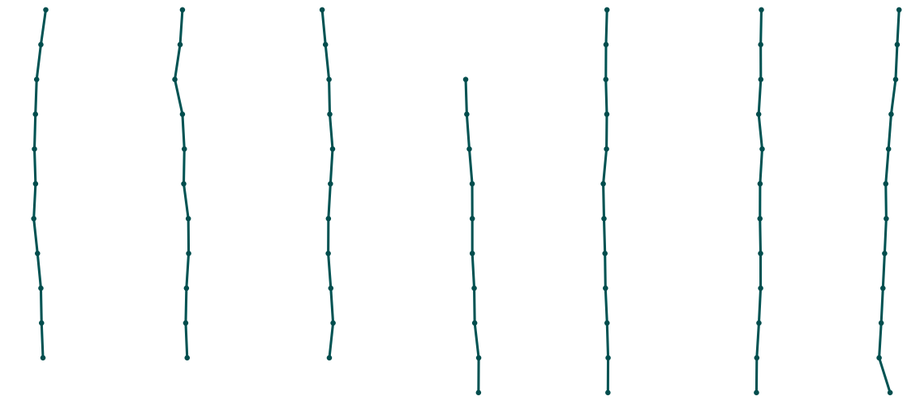
Presented by

ColivingLiguria S.r.l.
Chiappella project

Preliminary study

Structural validation and municipal records for this revision remain outstanding.

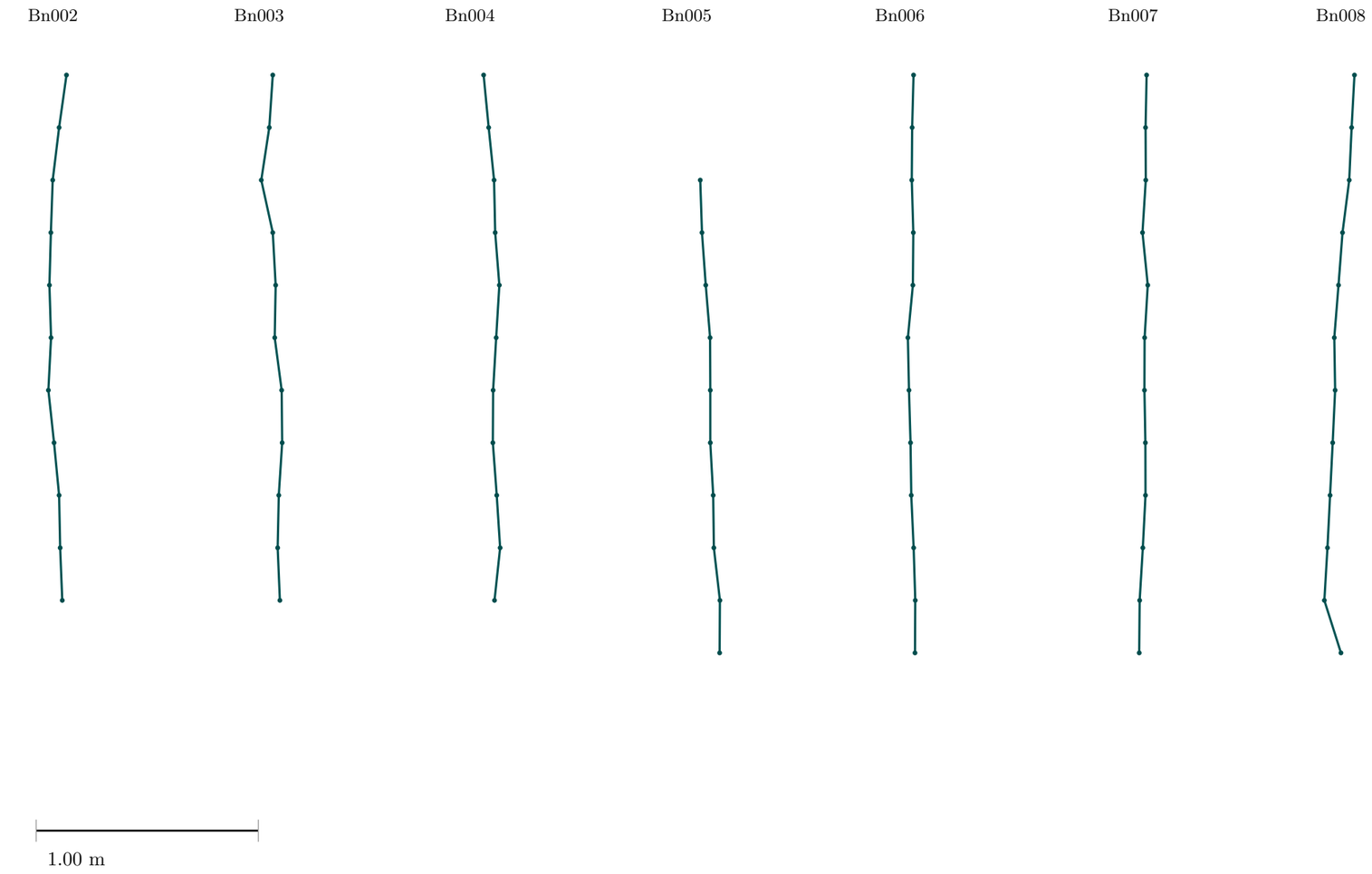
Casa del Noce structures



Seven traces surveyed from below at the rear of Casa del Noce.

Rear timber floor

Plan of observed soffit sections. Scale 1:25 when printed at actual size.



Points show measured stations. Lines interpolate between adjacent stations within each survey window.

Retained members

In the option retaining the floors, all seven groups share their position and geometry with the corresponding observations in the existing-state model.

Extent of the survey

Lines end where usable observations cease. The distance between their ends does not establish structural span. Check beam ends, wall pockets and continuity on site.

Local reference

Plan in the local building grid, limited to the surveyed area. The roof and unobserved portions lie outside this drawing.

Accessible soffits and sections

Visible profiles at one station per group. Transverse samples at 1:3 with both axes at the same scale.

Bn002 · v = 12.43 m



Visible width 19.7 cm

Bn003 · v = 12.43 m



Visible width 12.5 cm

Bn004 · v = 12.43 m



Visible width 16.3 cm

Bn005 · v = 12.43 m



Visible width 11.1 cm

Bn006 · v = 12.43 m



Visible width 14.8 cm

Bn007 · v = 12.43 m



Visible width 10.9 cm

Bn008 · v = 12.43 m



Visible width 16.3 cm

10 cm actual size

Reading the profiles

Each profile shows the accessible underside only. The samples align at their individual lowest points to allow comparison of their shapes.

Material

The owner identifies the timber as chestnut. Verify species, strength grade, moisture and decay at the beam ends directly.

Targeted inspection

Measure full cross-sections, actual bearing lengths and any section loss. Record the findings for each beam at both ends.

Masonry, bearings and roof

Design decisions and evidence needed for structural review

Timber floors and stone walls

Retain the timbers in position and trace the load path to the walls. Verify bearings, framing above, out-of-plane restraint and connections between floors and masonry.

Core and foundations

The reinforced-concrete core is a design option. Its role depends on wall geometry and bond, foundation trial pits and ground data. Check global stability, including temporary stages.

Roof

Two separate visible roof portions are grouped as Bn001. Their continuity requires inspection. The possible 50 cm roof raise depends on municipal clarification and structural verification.

Stair and services

EC-NOCE-003 details the stair bearings, existing stone, landing slab and column. Coordinate service crossings to preserve the effective section of beams and bearings.

Structural calculations

The structural engineer defines the structural model, actions and combinations, static and seismic checks, construction details and investigation programme.

Site inspection priorities

Locate the ends of the seven traces. Record moisture, bearings, stone bond, foundation level and roof geometry. Link photographs and measurements to individual survey points.

Document status

Preliminary geometric study. Professional signature, filing and municipal determinations for this edition remain pending.

Document issue
Digital signature pending

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Chiappella project publisher

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