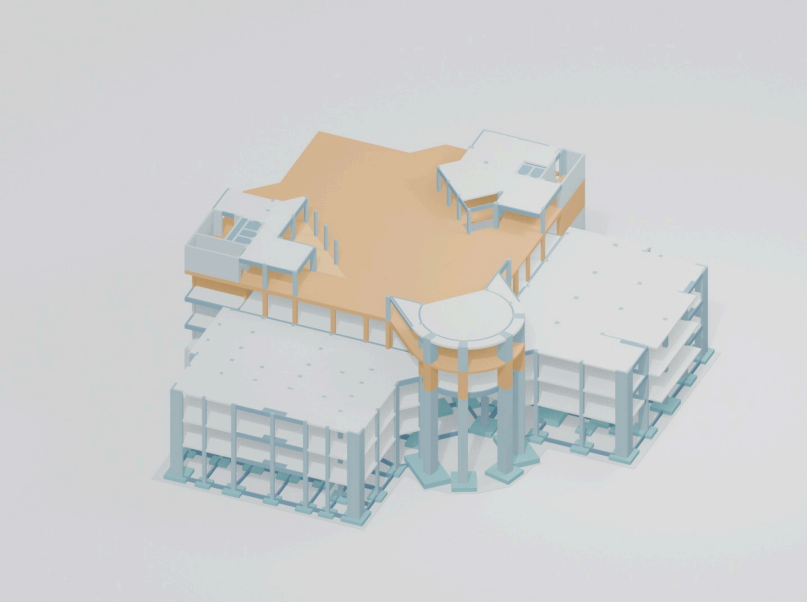
ENGINEERING TRACE

Civic building study

Structural and architectural coordination presented through clean model views and selected quantity examples.



The workflow

Read the drawings

Use structural and architectural PDFs with relevant CAD cross-checks.

Separate the disciplines

Prepare structural and architectural models on a common review basis.

Coordinate the views

Review the combined building while retaining discipline-specific deliverables.

Present the quantities

Connect selected model categories with an unpriced BOQ.

From workbook to quantity

Selected review quantities

Element	Unit	Quantity
Blinding concrete	m³	392.990
Footings	m³	1,133.043
Tie beams	m³	86.184
Ground-floor columns	m³	381.501
Ground-floor core walls	m³	184.618

Selected review quantities from the combined BOQ workbook, review 05. This excerpt covers foundation and ground-floor vertical elements, not the full project total. Presentation excerpt with original numeric values and simplified descriptions. Unpriced review quantities.

Each value was read from the retained review workbook and rounded to three decimals for presentation. The excerpt covers the listed elements only. Procurement and design approval require separate checks.

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