StructBOQ — Structural Estimation Report

Unnamed Project

DISCLAIMER: Quantities extracted from IFC file. Reinforcement steel weight calculated from modeled IfcReinforcingBar geometry (CrossSectionArea x BarLength x 7850 kg/m3) — exact rebar schedule used. Verify all quantities against approved design drawings before use in contracts or procurement.

Project:	**Unnamed Project**	Client:	**—**
Prepared by:	**—**	Revision:	**R0**
Generated:	**29 May 2026 19:44**	Currency:	**EUR (€)**
Concrete rate:	**€120.0/m3**	Steel rate:	**€1.2/kg**
Wall Filter:	**Filter active but LoadBearing absent on 4 wall(s) — included by default. Manual review required.**		

PROJECT SUMMARY

5	2.606 m3	405 kg	€1,317.53
Total Elements	Concrete Volume	Total Steel	Total Cost

FILE DATA CONFIDENCE

Data Source	Elements	Share	Reliability
BaseQuantities (IFC certified)	5	100%	PRIMARY
Pset Properties (authored)	0	0%	—
Partial Pset + Defaults	0	0%	—
Geometry Extraction (3D solid)	0	0%	—
Hardcoded Defaults	0	0%	—
Overall Data Reliability			**HIGH**

ELEMENT DATA CONFIDENCE

Element Type	Total	BaseQty	Pset	Geo	IFC%	Flagged
Footings	1	1	0	0	100%	0
Walls	4	4	0	0	100%	0
TOTAL	**5**	**5**	**0**	**0**	**100%**	**0**

COST BREAKDOWN

Cost Component	Amount (€)	% of Total
Material — Concrete	€312.70	23.7%
Material — Steel	€485.80	36.9%
Waste / Contingency	€79.85	6.1%
Labor	€439.18	33.3%
TOTAL	**€1,317.53**	**100%**

STRUCTURAL QUANTITY SUMMARY

Type	Subtype	Count	Volume (m3)	Rate	Cost (€)	Pricing	Src
Footings	Footing	1	1.18	€120/m3	€234	USE	BQ
Walls	Wall	4	1.42	€120/m3	€282	USE	BQ

Src codes: BQ = BaseQuantities (IFC certified) | P = Pset properties | PD = Partial Pset + defaults | G = Geometry extraction | D = Defaults only | NC = Non-concrete

REINFORCEMENT STEEL SCHEDULE

Source: 13 individual IfcReinforcingBar elements modeled in IFC file.
Extraction method: CrossSectionArea x BarLength x 7850 kg/m3 — exact bar schedule, no estimation used.

Bar Type	Dia (mm)	Count	Total Length (m)	Unit Weight (kg/m)	Weight (kg)	Cost (€)
T10	10	115	—	0.617	—	—
T12	12	58	—	0.888	—	—
T18	18	16	—	2.000	—	—
TOTAL	**—**	**—**	**—**	**—**	**404.8**	**€486**

MODEL DATA QUALITY FINDINGS

0 elements flagged for review | 0 High severity | 0 Medium | 0 Low | Overall model quality: **ACCEPTABLE FOR ESTIMATION**

High severity items affect quantity accuracy and should be resolved before use in cost estimation. Low severity items are informational — verify against drawings during detailed design stage.