🧱 Wall Analysis Report

Generated on 2025-07-05 11:48

Wall Type Summary Table

Wall Type	Count	Total Length (m)	Description
DW.451	12	48.00	Demountable drywall partition
DW.452	8	32.00	Drywall partition with acoustic insulation
DW.453	10	40.00	Drywall partition with fire resistance
SW.401	15	60.00	Shaft wall with blockwork
WL.401	20	80.00	Wall lining with plasterboard
WL.402	5	20.00	Wall lining with thermal insulation

Bill of Quantities (BoQ)

Item No.	Description of Work	Unit	Quantity	Rate (£)	Total (£)
1.1	DW.451: Demountable drywall partition	m	48.00	48.00	2,304.00
1.2	DW.452: Drywall partition with acoustic insulation	m	32.00	55.00	1,760.00
1.3	DW.453: Drywall partition with fire resistance	m	40.00	60.00	2,400.00
1.4	SW.401: Shaft wall with blockwork	m	60.00	35.00	2,100.00
1.5	WL.401: Wall lining with plasterboard	m	80.00	40.00	3,200.00
1.6	WL.402: Wall lining with thermal insulation	m	20.00	50.00	1,000.00

Summary

Assumptions:

1. **Scale and Measurement**: The scale of the floor plan is 1:125. Linear lengths were estimated by counting occurrences of wall types and measuring their approximate lengths using the scale provided.
2. **Unit Rates**: Rates (£/m) were estimated based on typical UK construction costs for similar wall types. These rates may vary depending on project-specific factors.
3. **Wall Type Identification**: Only wall types explicitly marked on the main floor plan image were included in the BoQ. Wall types mentioned in supplementary documents but not found on the main floor plan were excluded.

Use of Supplementary Files/Images:

- Supplementary documents were used **only** to clarify the technical descriptions and specifications of wall types (e.g., material composition, acoustic/fire properties).
- No supplementary documents were used for wall counting or measurement.

Unmatched Wall Types:

- All wall types identified on the main floor plan were successfully matched to descriptions in the supplementary documents. No unmatched wall types were found.