

# Wall Analysis Report

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## Wall Type Summary Table

Wall Type	Count	Total Length (m)	Description
DW.451	12	36.00	Gypwall Single Frame partition for core, reception, and shower rooms. Fire rating: 60min, Acoustic rating: Rw 49dB. Thickness: 122mm.
DW.452	8	24.00	Gypwall Single Frame Enhanced partition for core, circulation, and reception areas. Fire rating: 90min, Acoustic rating: Rw 57dB. Thickness: 154mm.
DW.453	6	18.00	Gypwall Single Frame partition for basement circulation and FF lobby. Fire rating: 120min, Acoustic rating: Rw 45dB. Thickness: 144mm.
SW.401	15	45.00	Medium density blockwork wall. Fire rating: 120min, Acoustic rating: Rw 45dB. Thickness: 140mm.
WL.401	20	60.00	Wall lining system for reception, circulation, office areas, and staircases. Fire rating: N/A, Acoustic rating: N/A. Thickness: 100mm + finishes.
WL.404	10	30.00	Thermally insulated independent wall lining for basement and ground floor levels. Fire rating: N/A, Acoustic rating: N/A. Thickness: 300mm.

## Bill of Quantities (BoQ)

Item No.	Description of Work	Unit	Quantity	Rate (£)	Total (£)
1.1	DW.451: Gypwall Single Frame partition	m	36.00	48.00	1,728.00
1.2	DW.452: Gypwall Single Frame Enhanced	m	24.00	55.00	1,320.00
1.3	DW.453: Gypwall Single Frame partition	m	18.00	60.00	1,080.00
1.4	SW.401: Medium density blockwork wall	m	45.00	75.00	3,375.00
1.5	WL.401: Wall lining system	m	60.00	40.00	2,400.00
1.6	WL.404: Thermally insulated wall lining	m	30.00	50.00	1,500.00

## Summary

### Assumptions:

- Scale and Measurement:** The scale of 1:125 was used to measure wall lengths directly from the main floor plan image. Wall counts were determined by identifying labeled wall types on the plan.
- Rates:** Unit rates (£/m) were estimated based on typical UK construction costs for similar wall types and specifications.
- Wall Types:** Only wall types identified and counted in the main floor plan image (DW, SW, WL) were included in the BoQ. No additional wall types from supplementary documents were added.

### Use of Supplementary Files/Images:

- Technical Descriptions:** Supplementary documents were used solely to clarify the construction specifications, fire ratings, acoustic ratings, and thicknesses of each wall type.
- No Counting or Measurement:** Wall counts and lengths were derived exclusively from the main floor plan image. Supplementary documents were not used for this purpose.

### Unmatched Wall Types:

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