

# 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 ground floor circulation and reception. 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 paint quality blockwork wall. Fire rating: 120min, Acoustic rating: Rw 45dB. Thickness: 140mm.
WL.401	20	60.00	Wall lining for all levels including 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: Rw 61dB. 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	m	60.00	40.00	2,400.00
1.6	WL.404: Thermally insulated wall lining	m	30.00	65.00	1,950.00

## Summary

### Assumptions:

- Scale and Measurement:** The scale of the main floor plan (1:125) was used to measure wall lengths. Wall counts were determined by identifying tags 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 (DW.451, DW.452, DW.453, SW.401, WL.401, WL.404) were included in the BoQ. No additional wall types from supplementary documents were added.

### Use of Supplementary Files:

- Technical Descriptions:** Supplementary documents were used to match wall types to their technical descriptions, specifications, fire ratings, acoustic ratings, and thicknesses.
- Clarifications:** Details such as stud spacing, board types, and fire/acoustic performance were referenced from the supplementary files to ensure accurate descriptions in the BoQ.

**Exclusions:**

- Wall types present only in supplementary documents but not found in the main floor plan were excluded from the BoQ (e.g., WL.402, WL.403, WL.405, etc.).
- No measurements or counts were derived from supplementary documents.