

StructuraAI Project Report

Material Quantities

Key	Value
wall_volume_cuft	15.0
estimated_bricks	202
estimated_steel_kg	37.5
plaster_area_sqft	30.0

Cost Breakdown

Key	Value
concrete_cost	1800.0
brick_cost	1616
steel_cost	2625.0
plaster_cost	750.0
total_project_cost	6791.0

Risk Summary

Key	Value
risk_score	90.0
risk_level	Critical
breakdown	{'duration_risk': 14, 'critical_path_risk': 25.0, 'serial_chain_risk': 9, 'conflict_risk': 0, 'uncertainty_risk': 42.0}

Buildability Summary

Value
100

alty	0
y_depth_penalty	14
enalty	0
n_penalty	10.5
penalty	0
y	18.0
us	0.0
	57.5

HIGH RISK

['wall_build_0', 'wall_cure_0', 'door_install_0_0', 'batch_0_0', 'door_install_0_2', 'batch_0_1', 'window_install_0_0', 't_b']

10

0.9