StructuraAI Project Report

Twin Summary

Key	Value
wall_count	1
door_count	13
window_count	4
net_volume_cuft	15.0
estimated_bricks	202
confidence_score	69.99
buildability_score	90
uncertain_walls	0

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	60.0
risk_level	High
breakdown	{'duration_risk': 14, 'critical_path_risk': 25.0, 'serial_chain_risk': 9, 'conflict_risk': 0, 'uncertainty_risk': 12.0}

Buildability Summary

	Value
e	100
nalty	0
cy_depth_penalty	14
enalty	0
n_penalty	10.5
penalty	0
y	12.0
us	0.0
	63.5
	HIGH RISK
h	['wall_build_0', 'wall_cure_0', 'door_install_0_0', 'batch_0_0', 'door_install_0_2', 'batch_0_1', 'window_install_0_0', 'b
	10
_normalized	0.6

AI Explanation

Executive Summary