

Risk Identification Matrix – High-Rise Construction

Risk Event / Hazard	Potential Impact	Likelihood	Severity	Existing Controls	Responsible
Working at Heights	Falls, Serious Injury, Death	Possible	Severe	Harness systems, guardrails, safety nets	Site Supervisor
Material Falling	Injury to workers/personnel below	Likely	Major	Debris nets, exclusion zones, tool lanyards	Safety Officer
Fire Outbreak	Property damage, Injuries	Unlikely	Severe	Fire extinguisher, regular drills	Fire Warden
Crane Failure	Structural collapse, Injuries	Rare	Critical	Regular inspections, trained operators	Crane Operator
Electrical Hazard	Electrocution, Fire	Possible	Major	Lockout tagout, insulated tools, signage	Electrician
Manual Handling	Back injury, Strains	Likely	Moderate	Mechanical aids, training, team lifts	Site Workers
Poor Housekeeping	Trips, slips, falls	Possible	Minor	Daily site cleaning, waste bins	All Staff
Extreme Weather	Work delays, Equipment damage	Occasional	Moderate	Weather monitoring, secure loose items	Site Manager