



SAFETY सारथी

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ISO CERTIFIED IN QUALITY MANAGEMENT SYSTEM

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Group	Checklist Item	Why it matters	Typical failure	Owner	Status	Notes
Scope/BOQ	BOQ matches latest drawings (no missing items)	Stops variation claims and procurement surprises	"This item was not in BOQ" after installation starts	PMC + Consultant		
Scope/BOQ	Equipment list finalized (capacity, qty, location)	Avoids layout changes after procurement	AHU/pump/panel relocation due to late decisions	Consultant		
Scope/BOQ	Utility requirements confirmed (power, water, drains)	Prevents "no power/no drain" at commissioning	Commissioning blocked due to missing provisions	Consultant + Contractor		
Scope/BOQ	Interface scope defined (who provides what)	Stops "not in my scope" disputes	Sleeves, supports, cut-outs, sealing not owned	PMC		
Scope/BOQ	Shop drawings workflow and approval timeline set	Prevents site team working on outdated drawings	Multiple versions active on site	PMC + Contractor		
Space	Corridor ceiling zones allocated (duct/pipe/tray)	Avoids same-space competition	Duct blocks trays; pipes forced into wrong slope	Consultant		
Space	Shaft congestion check (all services fit)	Shafts are where projects die	Rework + hacking + unsafe routing	Consultant + Contractor		
Space	Plant rooms have access paths + removal clearances	Maintenance must be possible after handover	AHU/pump cannot be serviced without dismantling	Consultant		
Space	Fire + HVAC ceiling coordination (sprinklers/diffusers/lights)	Avoids spray obstruction and redesign	Sprinkler clashes with duct/diffuser layout	Consultant		
Space	Electrical tray routes don't block access panels/valves	Access is not optional	Valve panels blocked by trays	Contractor		
Space	Structural coordination (beams/slabs vs main routes)	Avoids "beam cut" fights	Duct clashes with beam due to late structural final	Architect + Structural + Consultant		
Space	Drain lines maintain slope without clashes	Slope cannot be "adjusted later"	Drain routed flat → chronic choking and leakage	Plumbing contractor		
Openings	All major penetrations marked and approved	Prevents random core cutting and delays	Site hacks openings without approvals	PMC + Contractor		
Openings	Sleeves/cast-in inserts planned where possible	Saves time and protects structure	Late openings cause rework and patching	Contractor		
Openings	Fire stopping approach defined for all rated walls/floors	Maintains compartmentation and compliance	Penetrations left unsealed behind ceilings	Fire + Civil contractor		
Openings	Inspection checkpoints before concealment (ceiling closure)	Fixing after concealment costs much more	Ceiling closed → leakage/firestop issues discovered later	PMC		
Openings	Cable/pipe separation strategy in shafts and trays	Reduces interference and improves maintainability	Mixed routing creates inspection failures and rework	Contractors		
Access	Valve and inspection panels are reachable	Maintenance is a lifecycle cost	Panels blocked by duct/tray	Contractor		
Access	Electrical panel front clearance maintained	Safety + servicing	Panels hidden behind equipment/piping	Electrical contractor		
Access	Pump/valve maintenance space defined	Avoids later demolition for servicing	No spanner space; servicing impossible	MEP contractor		
Access	Equipment removal path planned (doors, openings)	Future replacement must be possible	Equipment trapped in room permanently	Architect + Consultant		
Access	Access doors/hatches coordinated with finishes	Aesthetic + maintainability	Finish team blocks access panels	PMC + Architect		
T&C	Testing plan defined (who witnesses what)	Prevents last-minute "who will sign?" delays	Tests done but not accepted due to missing witness	PMC		
T&C	Labeling, tagging, as-built plan method fixed	Handover without documentation is failure	As-built becomes impossible after concealment	Contractor		
T&C	Pre-commissioning inspection checklist completed	Reduces test failures and repeat testing	Commissioning fails due to basic workmanship gaps	Contractor + PMC		