

Applying quality principles on a construction site checklist

PERSONAL PROTECTIVE EQUIPMENT REQUIRMENTS

Possible need of High-Visibility Vest, Overall, Safety Helmet, Safety Gloves, Safety Boots and Safety Goggles



ITEMS TO BE CHECKED

PLANNING AND PREPARATION:

PROJECT SCOPE DEFINED AND UNDERSTOOD?	
UPDATED BLUEPRINT SETS AVAILABLE?	
ALL REQUIRED PERMITS OBTAINED?	
TEAM BRIEFED ON QUALITY STANDARDS?	
REGULAR STAKEHOLDER COMMUNICATION?	
SUBCONTRACTORS VETTED FOR QUALITY?	
DAILY SITE INSPECTIONS CONDUCTED?	

MATERIALS AND STORAGE:

CORRECT MATERIALS SOURCED & DELIVERED?	
PROPER STORAGE FOR SENSITIVE MATERIALS?	
MATERIAL QUALITY CHECKS DONE?	
PROPER INSULATION MATERIALS USED?	
QUALITY PAINTS AND FINISHES USED?	

EQUIPMENT AND TOOLS:

CALIBRATION OF EQUIPMENT DONE?	
PROPER TOOLS FOR TASKS AVAILABLE?	
PREVENTATIVE MAINTENANCE FOR TOOLS?	

SITE MAINTENANCE AND SAFETY:

WEATHER CONDITIONS CHECKED DAILY?	
SAFETY MEASURES ALIGNED TO QUALITY?	
SITE CLEANLINESS MAINTAINED?	
WASTE MANAGEMENT PLAN IN PLACE?	
DUST AND DEBRIS CONTROLLED DAILY?	

WORK QUALITY:

CORRECT INSTALLATION TECHNIQUES USED?	
QUALITY CONTROL TEAM IDENTIFIED?	
DEFECTS TRACKING SYSTEM IN USE?	
PROPER DOCUMENTATION IN PLACE?	
FEEDBACK MECHANISMS ESTABLISHED?	
TRAINING AND DEVELOPMENT:	
26. REGULAR TEAM TRAINING CONDUCTED?	
CONTINUOUS IMPROVEMENT PROMOTED?	
FEEDBACK FROM END-USERS SOUGHT?	

ITEMS TO BE CHECKED

ENVIRONMENTAL CONCERNS:

ENVIRONMENT IMPACT MINIMIZED?	
PROPER VENTILATION ENSURED?	
NOISE LEVELS KEPT WITHIN LIMITS?	

STRUCTURAL CHECKS:

PROPER GRADING OF SITE ACHIEVED?	
CORRECT FOUNDATION DEPTHS ENSURED?	
REINFORCEMENTS CORRECTLY PLACED?	
QUALITY OF MIX FOR CONCRETES CHECKED?	
PROPER CURING PROCESSES FOLLOWED?	

UTILITIES AND SYSTEMS:

ELECTRICAL SYSTEMS UP TO STANDARD?	
PLUMBING CHECKS DONE REGULARLY?	
HVAC SYSTEMS CHECKED FOR QUALITY?	

FINISHING AND INTERNAL CHECKS:

WATERPROOFING MEASURES IN PLACE?	
ROOFING MATERIALS & TECHNIQUE VETTED?	
WINDOWS AND DOORS SEAL CHECKED?	
CLADDING & FAÇADE QUALITY CHECKS?	
ENERGY-EFFICIENT SYSTEMS IN USE?	

EXTERNAL WORKS:

PROPER DRAINAGE SYSTEMS CREATED?	
LANDSCAPING ALIGNED WITH DESIGN?	
PROPER LIGHTING SYSTEMS INSTALLED?	

ACCESSIBILITY AND COMPLIANCE:

48. FIRE SAFETY MEASURES INTEGRATED?	
ELEVATORS & ESCALATORS TESTED?	
PROPER SIGNAGE AND WAYFINDING?	
ACCESSIBILITY MEASURES IN PLACE?	

POST-CONSTRUCTION:

52. WARRANTY & GUARANTEES OBTAINED?	
POST-CONSTRUCTION AUDIT PLANNED?	
LESSONS LEARNED DOCUMENTED?	
HANDOVER PROCESS DEFINED?	

“In construction, as in life, a foundation built on quality stands the test of time.”

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