

QC Concrete Forming & Accessories Checklist

Section 03.10.00

Formwork dimensions and alignment match structural drawings within $\pm 1/4$ inch over 10 ft; tape-measure readings recorded at each gridline.	<input checked="" type="checkbox"/>	QC	OPN	NA		
Observations						
Primary walers, braces, and kickers are installed per engineered formwork plan and anchored to resist calculated lateral concrete pressure without observable deflection.	<input checked="" type="checkbox"/>	QC	OPN	NA		
Observations						
Shores and reshores bear on solid, level footing or approved spreader pads and remain in place until field-cured cylinder tests confirm $\geq 100\%$ of required stripping strength.	FTQ	QC	<input checked="" type="checkbox"/>	NA		
Observations						
Form ties, spreaders, and hardware are installed at specified spacing and torque-tightened so no tie exceeds manufacturer working load; visually confirm tie heads are flush with form face.	<input checked="" type="checkbox"/>	QC	OPN	NA		
Observations						
Form panel joints are sealed with compressible gasket or tape so no visible gaps $> 1/16$ inch exist that could permit grout leakage.	<input checked="" type="checkbox"/>	QC	OPN	NA		
Observations						
Openings, blockouts, sleeves, and anchor bolts are fixed to formwork at correct coordinates ($\pm 1/8$ inch) and braced against flotation or displacement during pour.	<input checked="" type="checkbox"/>	QC	OPN	NA		
Observations						
Chamfer strips, reveals, and rustication inserts are continuous, securely fastened, and aligned with adjacent panels so edge deviation does not exceed $1/8$ inch.	<input checked="" type="checkbox"/>	QC	OPN	NA		
Observations						
Specified minimum concrete cover is maintained by approved chairs or spacers sized for exposure condition, providing measured clearances \geq design requirement at random checks.	FTQ	<input checked="" type="checkbox"/>	OPN	NA		
Observations						
Form interior surfaces are clean, dry, and free of debris, ice, or loose materials immediately before concrete placement; inspection logged within one hour of pour start.	FTQ	QC	<input checked="" type="checkbox"/>	NA		
Observations						
Form-release agent compatible with coatings and sealants is applied in a thin, uniform film with no pooling or overspray on reinforcement; product and application time recorded.	<input checked="" type="checkbox"/>	QC	OPN	NA		
Observations						
Differential offset between adjacent form panels does not exceed $1/16$ inch when checked with straightedge across seams.	<input checked="" type="checkbox"/>	QC	OPN	NA		
Observations						
Void forms or carton forms under grade beams are dry, undamaged, and fully supported to maintain intended void until concrete set; crushed or wet sections replaced before pour.	<input checked="" type="checkbox"/>	QC	OPN	NA		
Observations						
Embedded metal inserts, weld plates, and lifting anchors are installed with full edge distance and perpendicular to form face, using tack-weld or bolts to prevent movement.	<input checked="" type="checkbox"/>	QC	OPN	NA		
Observations						
Form liners are installed tight to backing panels with concealed fasteners; pattern alignment tolerance within $1/8$ inch across panel joints.	FTQ	<input checked="" type="checkbox"/>	OPN	NA		
Observations						
Grade strips or screed rails fixed to forms establish slab elevation within $\pm 1/8$ inch of design finish floor (FFF) datum.	FTQ	QC	<input checked="" type="checkbox"/>	NA		
Observations						
Working platforms and access ladders integrated with formwork are structurally attached and provide 42-inch guardrails and toe-boards where required.	<input checked="" type="checkbox"/>	QC	OPN	NA		
Observations						
Formwork surfaces exposed to temperatures < 40 °F are insulated or heated to maintain concrete temperature ≥ 50 °F for required protection period.	FTQ	<input checked="" type="checkbox"/>	OPN	NA		
Observations						
Concrete placement crew verifies formwork during pour for deflection, leakage, or tie failure; any movement $> 1/4$ inch triggers immediate pour suspension and corrective action log.	FTQ	<input checked="" type="checkbox"/>	OPN	NA		
Observations						
Formwork removal occurs only after concrete reaches $\geq 70\%$ of specified 28-day strength or minimum curing time stated in spec; stripping strength verified by field cylinders or maturity meters.	<input checked="" type="checkbox"/>	QC	OPN	NA		
Observations						
After stripping, protruding tie ends are broken back at least $1/2$ inch below concrete surface and patched with approved cementitious material.	<input checked="" type="checkbox"/>	QC	OPN	NA		
Observations						