

QC Concrete Reinforcing Checklist

Section 03.20.00

<p>Reinforcement grade, type, and coating on site match approved submittals and contract documents before installation.</p> <p>Observations</p>	<input checked="" type="checkbox"/>	QC	OPN	NA			
<p>Reinforcing bars are free of excessive rust, oil, mud, paint, or mill scale that could impair bond at time of placement.</p> <p>Observations</p>	<input checked="" type="checkbox"/>	QC	OPN	NA			
<p>Bar sizes, lengths, bends, and quantities in place correspond to the latest bending schedule and shop drawings.</p> <p>Observations</p>	<input checked="" type="checkbox"/>	QC	OPN	NA			
<p>Installed bar spacing complies with design requirements and maintains specified minimum clear cover from forms and earth.</p> <p>Observations</p>	<input type="checkbox"/>	FTQ	QC	<input checked="" type="checkbox"/>	NA		
<p>Concrete cover distances are maintained using approved chairs, spacers, and bar supports positioned at required intervals.</p> <p>Observations</p>	<input type="checkbox"/>	FTQ	<input checked="" type="checkbox"/>	OPN	NA		
<p>Lap splices provide the specified development length and are staggered or alternated per structural details and ACI 318.</p> <p>Observations</p>	<input type="checkbox"/>	FTQ	<input checked="" type="checkbox"/>	OPN	NA		
<p>Mechanical couplers, welded splices, and headed bars are installed only at approved locations and meet manufacturer torque or weld acceptance criteria.</p> <p>Observations</p>	<input checked="" type="checkbox"/>	QC	OPN	NA			
<p>Hooks, bends, and anchorages at bar terminations, corners, and beam-column joints conform to detailed radii and embedment requirements.</p> <p>Observations</p>	<input checked="" type="checkbox"/>	QC	OPN	NA			
<p>Welded wire reinforcement sheets or rolls overlap the required distance with wires aligned and tied to prevent displacement during concrete placement.</p> <p>Observations</p>	<input type="checkbox"/>	FTQ	<input checked="" type="checkbox"/>	OPN	NA		
<p>Bar intersections are secured with wire ties or approved fasteners at the specified frequency to maintain rigidity throughout the pour.</p> <p>Observations</p>	<input checked="" type="checkbox"/>	QC	OPN	NA			
<p>Reinforcement supports limit sag to less than 1/4 inch from design elevation under self-weight before concrete placement.</p> <p>Observations</p>	<input checked="" type="checkbox"/>	QC	OPN	NA			
<p>Reinforcement maintains required clearance from form ties, kickers, and blockouts to avoid cover reduction and exposure after stripping.</p> <p>Observations</p>	<input type="checkbox"/>	FTQ	<input checked="" type="checkbox"/>	OPN	NA		
<p>Epoxy-coated bars exhibit cumulative coating damage of less than 1 percent of surface area, with touch-up performed using approved material.</p> <p>Observations</p>	<input type="checkbox"/>	FTQ	<input checked="" type="checkbox"/>	OPN	NA		
<p>Stainless or composite bars are lifted with non-ferrous slings and separated from carbon steel to prevent galvanic contamination or damage.</p> <p>Observations</p>	<input type="checkbox"/>	FTQ	<input checked="" type="checkbox"/>	OPN	NA		
<p>Vertical reinforcing congestion in shear walls and columns allows minimum 2 inch clear pour space or as detailed to ensure concrete consolidation.</p> <p>Observations</p>	<input checked="" type="checkbox"/>	QC	OPN	NA			
<p>Dowel bars, starter bars, and reinforcing around openings are placed at correct embedment depth, projection length, and orientation per details.</p> <p>Observations</p>	<input checked="" type="checkbox"/>	QC	OPN	NA			
<p>Field bending or re-bending of reinforcing bars is performed only when authorized, using proper equipment and within allowable bend radii.</p> <p>Observations</p>	<input type="checkbox"/>	FTQ	QC	<input checked="" type="checkbox"/>	NA		
<p>Non-contact lap splices maintain specified transverse separation distance to permit full concrete consolidation between bars.</p> <p>Observations</p>	<input checked="" type="checkbox"/>	QC	OPN	NA			