Mechanical Anchors Inspection Checklist for Concrete and Masonry

Periodic special must be performed where required in accordance with Section 1705.1.1 and Table 1705.3 of the 2012 IBC, or Section 1704.15 of the 2009 IBC and Table 1704.4 or Section 1704.13 of the 2006 or 2003 IBC, whereby periodic special inspection is defined in Section 1702.1 of the IBC and this report. (See Structural Drawings for Inspection requirements)

Project Name: _____

Project Location: _____

Weather: _____ Air Temperature: _____ (°F / °C)

CODES	Seismic Zone/ Seismic Design Category
☐ IBC 2003 ☐ IBC 2006 ☐ IBC 2009 ☐ IBC 2012	

Product

Product Name/Manufacturer: _____

Lot No.: _____

ICC-ES Report No.: _____

Head Configuration: ☐ Hex Nut/Threaded ☐ Hex Bolt Head ☐ Torque Cap ☐ Countersunk

Diameter/Dimension: ☐ 1/4" ☐ 3/8" ☐ 1/2" ☐ 5/8" ☐ 3/4" ☐ 1"
☐ M8 ☐ M10 ☐ M12 ☐ M16 ☐ M20 ☐ M24

Overall Anchor Length: _____ (in/mm)

Steel Grade/Coating: _____

Base Material

Base Material Type: ☐ NW Concrete ☐ LW Concrete ☐ LWC over Steel Deck ☐ CMU Block
☐ Other_____

Base Material Strength: ☐ 2000 psi ☐ 3000 psi ☐ 4000 psi ☐ Other _____

Base Material Thickness: _____(in/mm)

Drilling & Hole Cleaning

Drill Bit Diameter: _____ (in/mm)

Hole Depth: _____ (in/mm)

Drill Bit Type: ☐ Carbide-Tip Drill Bit (ANSI B212.15-1994) ☐ Diamond Core Bit (if appropriate and allowed) ☐ Other _____

Hole Cleaning: ☐ Compressed Air ☐ Hand Pump ☐ Wire Brush ☐ Other _____

Hole Condition: ☐ Dry ☐ Water Saturated

Application

Anchor Application: (please check all that apply)

☐ Tension ☐ Shear ☐ Overhead ☐ Other _____

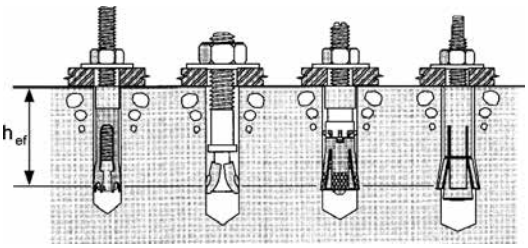
Anchor Spacing: _____ (in/mm)

Edge Distance: _____ (in/mm)

Embedment (h_{ef}*): _____ (in/mm)

Installation Torque: _____ (ft-lb/Nm)

Torque Bar with KWIK BOLT® 3: _____ (seconds)



*h_{ef} = Effective embedment depth, measured from the concrete surface to the deepest point at which the anchor tension load is transferred to the concrete, measured prior to appling torque to the anchor.

Completed by: _____ (Signature) Date:_____/_____/_____

_____ (Print) Company:_____

_____ (Title)