

## CODE

**D.9.2.2** — Installation of adhesive anchors horizontally or upwardly inclined to support sustained tension loads shall be performed by personnel certified by an applicable certification program. Certification shall include written and performance tests in accordance with the ACI/CRSI Adhesive Anchor Installer Certification program, or equivalent.

**D.9.2.3** — The acceptability of certification other than the ACI/CRSI Adhesive Anchor Installer Certification shall be the responsibility of the licensed design professional.

**D.9.2.4** — Adhesive anchors installed in horizontal or upwardly inclined orientations to resist sustained tension loads shall be continuously inspected during installation by an inspector specially approved for that purpose by the building official. The special inspector shall furnish a report to the licensed design professional and building official that the work covered by the report has been performed and that the materials used and the installation procedures used conform with the approved contract documents and the Manufacturer's Printed Installation Instructions (MPII).

## COMMENTARY

**RD.9.2.2** — The sensitivity of adhesive anchors to installation orientation combined with sustained tension loading warrants installer certification. Certification may also be appropriate for other safety-related applications. Certification is established through an independent assessment such as the ACI/CRSI Adhesive Anchor Installation Certification Program, or similar program with equivalent requirements. In addition, installers should obtain instruction through product-specific training offered by manufacturers of qualified adhesive anchor systems.

**RD.9.2.3** — For the purposes of satisfying D.9.2.3, an equivalent certified installer program should test the adhesive anchor installer's knowledge and skill by an objectively fair and unbiased administration and grading of a written and performance exam. Programs should reflect the knowledge and skill required to install available commercial anchor systems. The effectiveness of a written exam should be verified through statistical analysis of the questions and answers. An equivalent program should provide a responsive and accurate mechanism to verify credentials, which are renewed on a periodic basis.

**RD.9.2.4** — The IBC<sup>D.42</sup> requires special inspection of all post-installed anchors. The installation of adhesive anchors in horizontal or upwardly inclined orientations poses special challenges to the installer and requires particular attention to execution quality as well as an enhanced level of oversight. It is expected that these anchor installations will be inspected by a certified special inspector who is continuously present when and where the installations are being performed.