

The following approval conditions provide guidelines to allow AC358 LABC/LARC supplement reports, for helical piles to be used in new construction and/or to resist horizontal loads as an exception to 2020 LABC Section 1810.3.1.5:

1. The AC358 evaluation report must comply with the latest version of AC358 as well as the current LABC and LARC referenced codes.
2. The AC358 evaluation report must allow installation of helical piles in Seismic Design Categories D, E and F as required by Section 3.14 of AC358.
3. The installation of helical piles must comply with the provisions stated in the evaluation report.
4. A soils investigation as required by LABC Section 1803.1 shall be submitted to the Los Angeles Department of Building and Safety Grading Division for review and approval for each site where helical piles are proposed.
5. For installation of helical piles under LABC covered structures, axial and lateral (where used) capacities of helical piles shall be determined in accordance with Section 1810.3.3 by at least two project specific preproduction tests for each soil profile, size and depth of helical pile. At least two percent of all production piles shall be proof tested to design ultimate strength determined by using load combinations in Section 1605.2.1 (1810.3.1.5.1).
6. For installation of helical piles under LARC covered structures, axial and lateral capacities (where used) of helical piles shall be determined in accordance with Section 1810.3.3 by at least one project specific preproduction tests for each soil profile, size and depth of helical pile. At least two percent of all production piles shall be proof tested to design ultimate strength determined by using load combinations in Section 1605.2.1 (1810.3.1.5.1).
7. Helical anchors installation shall be performed under the continuous inspection and approval of the soils engineer and deputy grading inspector. The information recorded shall include installation equipment used, pile dimensions, tip elevations, final depth, final installation torque and other pertinent installation data as required by the soils engineer (1705.9).
8. Helical piles shall satisfy corrosion resistance requirements of ICC-ES AC 358. In addition, all helical pile materials that are subject to corrosion shall include at least 1/16-inch corrosion allowance (1810.3.1.5.1).
9. The allowable axial design load must comply with LABC 1810.3.3.1.9.
10. The allowable lateral load must comply with the AC358 evaluation report and must not exceed the seismic demand force.
11. For installation of helical piles under LARC covered structures, the pile must be designed and installed in accordance with the provisions of the LABC as indicated in LARC Section R301.1.