

February 10, 2022



Re: Simpson Strong-Tie® Titen HD® Heavy-Duty Screw Anchor used with the AdvanConn PC-10 Panel Anchor

To Whom It May Concern,

Simpson Strong-Tie supports the use of the ¾ inch diameter, 8-1/2-inch long, Titen HD Screw Anchor (model no. THD75812H) in conjunction with the AdvanConn PC-10 Panel Anchor when conforming to the information contained within this letter and the detail shown in Enclosure No. 1.

ACI 318-14, Sec. 16.2.4.3 (b), requires the nominal tension strength (N_n) of a single, vertical integrity tie to be not less than 10,000 lbs. Simpson Strong-Tie has evaluated the THD75812H installed in the AdvanConn PC-10 Panel Anchor at a 6-1/4-inch nominal anchor embedment depth in uncracked, normal weight concrete with a minimum compressive strength of 2,500 psi at the time of Titen HD installation and determined that the nominal Titen HD tension strength satisfies the provisions of ACI 318-14, Sec. 16.2.4.3 (b). Hole drilling procedures, hole preparation, and Titen HD installations must be performed in accordance with Simpson Strong-Tie's published installation instructions.

Project conditions and installation must also comply with the following additional provisions:

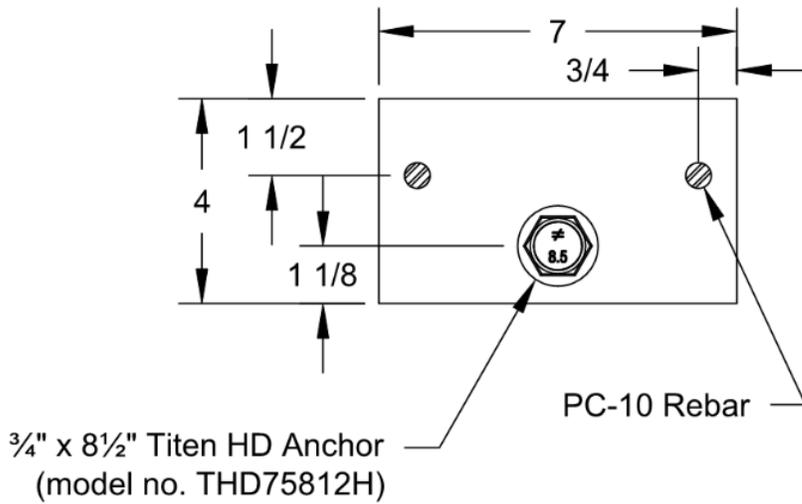
1. All concrete must be normal weight and have a compressive strength not exceeding 8,000 psi at the time of anchor installation.
2. The Design Professional in responsible charge of the design shall have determined that it is permissible for post-installed anchor design to be based on uncracked concrete service conditions.
3. The distance between the centerline of any Titen HD screw anchor and any concrete edge shall not be less than 7-1/4 inches, and the centerline-to-centerline spacing of adjacent Titen HD screw anchors shall not be less than 14-1/2 inches.
4. Titen HD screw anchors shall be installed not greater than +/- 6 ° from perpendicular to the surface of the concrete base material.

The information in this letter is valid until **12/31/2022** when it will be re-evaluated by Simpson Strong-Tie. Please visit www.strongtie.com for additional pertinent information, including in-service, Titen HD exposure recommendations. If you have questions or need further assistance regarding this matter, please contact the Simpson Strong-Tie engineering department at 800.999.5099.

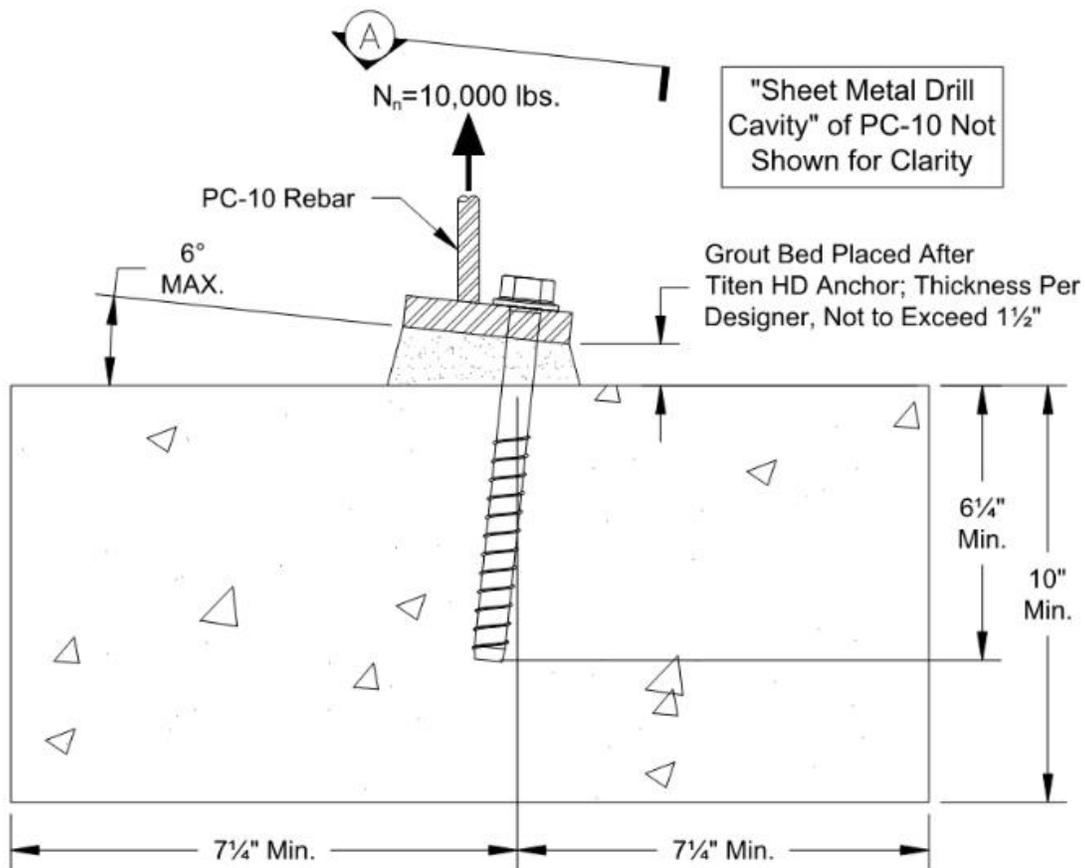
Sincerely,
SIMPSON STRONG-TIE COMPANY INC.

Encl.: Enclosure No. 1 – Titen HD Screw Anchor with AdvanConn PC-10 Detail

Rev. KC



(A) AdvanConn PC-10 Panel Anchor Base Plate
 3/4" STEEL, Fy = 50 ksi



Enclosure No. 1 – Titen HD Screw Anchor with AdvanConn PC-10 Detail