

Download Seismic Design Manual Aisc Second Edition

The first step is to calculate the factored tension load, P_u , per ASCE 7 load combinations. It is equal to 1.2 times the dead load plus 1.6 times the live load. The second step is to compute the required nominal unthreaded body area of the rod, A_b , using Equation J3-1 in Chapter J of the AISC Specification. This equation is used to find the tensile and shear strength of bolts and threaded parts. The first step is to calculate the nominal strength of the fillet weld, F_w , per AISC Equation J2-5. Since the direction of the load is parallel to the axis of the weld, the angle between the direction of the load and the axis of the weld is zero degrees. The AISC Specification for Structural Steel Buildings and various ASTM material standards cover requirements for the use of anchor rods and base plates. The FAQs in this section include a discussion of portions of these provisions and subsequent recommendations. Additional information is available from AISC Design Guide #1: Base Plate and Anchor Rod Design (Second Edition, Fisher and Kloiber ... Year: Title: Edition Notes: Company: 1940 : Wire Rope-Catalog of Sizes, Grades, Constructions, Price Lists, Data Tables and Information on the Proper Use of Wire Rope