

Aisc Table 10 1

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The notes prior to Table 10-1 (All Bolted Double Angle Connections) state: ... for standard or short-slotted holes, eccentricity on the supported side of double

AISC TABLE 10-1 - Structural engineering general ...

Beam web strength from AISC Manual Table 10-1: Uncoped, $L_h = 1w$ in. $R_n = 468 \text{ kips/in.}(0.760 \text{ in.}) = 356 \text{ kips} > 151 \text{ kips}$ o.k. Bolt bearing on column flange from AISC Manual Table 10-1: $R_n = 1,400 \text{ kips/in.}(0.710 \text{ in.}) = 994 \text{ kips} > 226 \text{ kips}$ o.k. Bolt bearing on column flange from AISC Manual Table 10-1: $R_n = 936 \text{ kips/in.}(0.710 \text{ in.})$

EXAMPLE II.A-1 ALL-BOLTED DOUBLE-ANGLE CONNECTION Given

Author: Shah, Jayshree Last modified by: Traut Todaro, Jennifer Created Date: 8/8/2016 8:35:42 PM Other titles: Sheet1 Sheet2 Sheet3 Company: Hewlett-Packard Company

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Details

ANSI-AISC 360-10 Specification for Structural Steel ...

(J3-1) $\phi = 0.75$ (LRFD) $\Omega = 2.00$ (ASD) additional references Manual Table 7-1; Specification Table J3.2 Bolt shear is based upon the limit state of shear rupture of the bolt. Equation J3-1 in Specification n Section J3.6 is general and applies to both tension and shear in bolts. The nominal strengths for use in Equation J3-1 are obtained from ...

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AISC_PART 16_A_Prelims_15th Ed._2016 2017-01-04 1:49 PM Page vi (Black plate) TABLE OF CONTENTS 16.1 -vii Specification for Structural Steel Buildings, July 7, 2016

ANSI/AISC 360-16: Specification for Structural Steel Buildings

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2016 AISC Standards: AISC 360-16 21 Table D3.1, Revised Shear Lag Factor, U Tensile yielding $P_n = F_y A_g$ (Eq. D2-1) Tensile rupture $P_n = F_u A_e$ (Eq. D2-2) $A_e = A_n U$ (Eq. D3-1) Chapter D - Design of Members for Tension. 2016 AISC Standards: AISC 360-16 22 2010 2016 Table D3.1, Revised Shear Lag Factor, U

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AISC TABLE 10-1 - Structural engineering general ... Specification Section J3.10 $R_n = 1.2L_c t F_u < 2.4dt F_u$ (J3-6a) or $R = 1.5L_c t F_u < 3.0dt F_u$ (J3-6b) $\phi = 0.75$ (LRFD) $\Omega = 2.00$ (ASD) additional references Bearing Page 3/9

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IBC 1705.2.1, AISC 360-10: Table C-N5.4-1 IBC 1705.2.1, AISC 360 TASK INSPECTION TYPE1 DESCRIPTION 1. Verify that the welding procedures specification (WPS) is available PERFORM 2. Verify manufacturer certifications for welding consumables are available PERFORM 3. Verify material identification PERFORM Type and grade 4.

Statement of Special Inspections Guide

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Theoretical K value 0.5 0.7 1.0 2.0 Recommended design value when ideal conditions are 0.65 0.80 1.2 1.0 2.1 2.0 approximated 4" Rotation fixed and translation fixed y Rotation free and translation fixed End condition code ~ Rotation fixed and translation free I Rotation free and translation free

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• Tables 7-1, 7-2 and 7-3 incorporate the Group C (200 ksi) bolts Structures Congress 2017 36 Part 7. Design Considerations for Bolts • Figure 7-10. Permitted coatings for structural fasteners • Tables 7-1, 7-2 and 7-3 includes the Group C (200 ksi) bolts • Tables 7-14 includes tension-control bolts

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