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B.4.1 Design Procedure for a Small

Moment Base 1. Choose trial base plate sizes (B and N) based on geometry of column and four-anchor requirements.  $N > d + (2 \times 3 \text{ in.})$   $B > bf + (2 \times 3 \text{ in.})$  2.

Determine plate cantilever dimension, m or n, in direction of applied moment.  $m = (N - 0.95d) / 2$   $n = (B - 0.80bf) / 2$  3.

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third edition of Design Guide 1, Base Plate  
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DESIGN / 61 Anchor rods are placed at a  
12-in. edge distance. The required  
moment strength,  $M_u$  plor  $M_a$  pl, for a

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1-in. strip of plate due to the tension in the anchor rods is The required moment strength due to the bearing stress distribution is critical.

pl LRFD ASD

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This Design Guide is the second edition of AISC Design Guide 3, which was

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originally titled Serviceability Design Considerations for Low-Rise Buildings. The new title Serviceability Design Considerations for Steel Buildings reflects the addition of information on tall buildings and the following more general information: 1.

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