



FOUNDATION AND ANCHOR TOLERANCES

ALL FOUNDATIONS

1. CONCRETE DIMENSIONS - PLUS OR MINUS 1" (25 mm).
2. DEPTH OF FOUNDATION - PLUS 3" (76 mm) OR MINUS 0".
3. DRILLED FOUNDATIONS OUT OF PLUMB - 1.0 DEGREE.
4. REINFORCING STEEL PLACEMENT - PER A.C.I. 301.
5. PROJECTION OF EMBEDMENTS - PLUS OR MINUS 1/8" (3 mm).
6. VERTICAL EMBEDMENTS OUT OF PLUMB - 1/2 DEGREE.

ANCHOR BOLTS

7. MAXIMUM DISTANCE FROM CENTERLINE OF ANCHOR BOLTS TO CENTERLINE OF FOUNDATION - 1/24 OF PIER DIAMETER UP TO A MAXIMUM OF 2" (51 mm).
8. ANCHOR BOLT SPACING - 1/16" (2 mm).
9. ANCHOR BOLT CIRCLE ORIENTATION - 1/4 DEGREE.
10. ANCHOR BOLT CIRCLE DIAMETER - PLUS OR MINUS 1/16" (2 mm).

SELF-SUPPORTING TOWERS

11. FACE SPREAD DIMENSION CENTER TO CENTER OF ANCHOR BOLT CIRCLES - PLUS OR MINUS 1/16" (2 mm) OR 1/16" (2 mm) PER 20 FT (6 m) OF FACE SPREAD.
12. MAXIMUM DIFFERENCE BETWEEN ANY TWO FOUNDATION ELEVATIONS - 1/2" (13 mm).

GUYED TOWERS

13. GUY RADIUS - PLUS OR MINUS 5 PERCENT OF DISTANCE SPECIFIED.
14. ANCHOR ELEVATION - PLUS OR MINUS 5 PERCENT OF GUY RADIUS.
15. ANCHOR ALIGNMENT (PERPENDICULAR TO GUY RADIUS) - 0.1 DEGREES.
16. ANCHOR ROD SLOPE - PLUS OR MINUS 1.0 DEGREE.
17. ANCHOR ROD ALIGNMENT WITH GUY RADIUS PLUS OR MINUS 1.0 DEGREE.
18. ANCHOR HEAD OUT OF PLUMB - 1.0 DEGREE.
19. GUY INITIAL TENSION - PLUS OR MINUS 10 PERCENT OF TENSION SPECIFIED.

NOTE: TOLERANCES IN NOTES 13 AND 14 CAN NOT OCCUR SIMULTANEOUSLY.

WARNING !!!

AFTER ANCHOR BOLTS ARE INSTALLED AND CONCRETE HAS TAKEN ITS INITIAL SET, ANCHOR BOLTS MUST NOT BE MOVED, BENT OR REALIGNED IN ANY MANNER. A NUT LOCKING DEVICE MUST BE INSTALLED ON ALL ANCHOR BOLTS.

R6	REVISED AND REDRAWN	12/23/96	JLR	<i>uDee</i>	XK
No.▲	Revision Description	▲ Date	▲ Rev By	▲ Ckd By	▲ Appd By
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Scale: NONE	By	Date	Title:		
Drawn:	CSR	6/19/87	FOUNDATION AND ANCHOR TOLERANCES		
Checked:	CTL	9/25/87			
App. Eng.:	XK	9/25/87			
App. Sales:	AE	2/12/88			
			DRAWING NO.: AB10214R6		