



STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION		
PROMULGATED BY THE PUBLIC WORKS STANDARDS INC. GREENBOOK COMMITTEE 1992 REV. 1995	<h2 style="margin: 0;">TRANSITION STRUCTURE</h2> <h1 style="margin: 0;">SINGLE RCB TO SINGLE RCB</h1>	STANDARD PLAN METRIC <h2 style="margin: 0;">341-1</h2>
USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION		
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NOTES

1. THE HORIZONTAL ANGLE OF DIVERGENCE OR CONVERGENCE, θ , SHALL NOT EXCEED $5^{\circ} 45'$.
2. THE REINFORCING STEEL BAR SIZE, SPACING AND COVER OVER THE STEEL OF STRAIGHT TRANSVERSE BARS IN TOP AND BOTTOM SLABS, OF L-BARS IN TOP AND BOTTOM CORNERS, OF STRAIGHT VERTICAL BARS IN SIDEWALLS AND/OR LONGITUDINAL DISTRIBUTION AND TIE BARS IN TOP OR BOTTOM SLABS OR SIDE WALLS SHALL BE THOSE OF WHICHEVER ADJOINING RCB SECTION PROVIDES THE GREATER STEEL AREA FOR EACH TYPE OF BAR AND GREATEST COVER. THE BAR LENGTHS SHALL VARY UNIFORMLY THROUGHOUT THE TRANSITION.
3. THE THICKNESS OF THE WALLS AND SLABS SHALL BE THOSE OF THE ADJOINING RCB SECTION AT EACH END OF THE TRANSITION AND SHALL VARY UNIFORMLY BETWEEN THE TWO ENDS.
4. $f'_c = 28 \text{ MPa}$ (4000 PSI) AT 28 DAYS AND THE CONCRETE SHALL BE THE SAME MIX AS THE ADJACENT RCB.
5. ALL STEEL EXCEPT LONGITUDINAL STEEL SHALL BE GRADE 400 (60) BILLET STEEL CONFORMING TO ASTM A 615 M (A 615) AND SHALL TERMINATE 40 mm (1 1/2") CLEAR OF CONCRETE SURFACE UNLESS OTHERWISE SHOWN.
6. THE TRANSITION STRUCTURE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STRUCTURAL NOTES APPLYING TO RCB STRUCTURES SHOWN ON THE PLANS.
7. DETAILS OF CONSTRUCTION JOINTS AND KEYWAYS SHALL BE AS SHOWN ON THE PLANS FOR SINGLE RCB STRUCTURES.

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

**TRANSITION STRUCTURE
SINGLE RCB TO SINGLE RCB**

STANDARD PLAN
METRIC

341-1

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