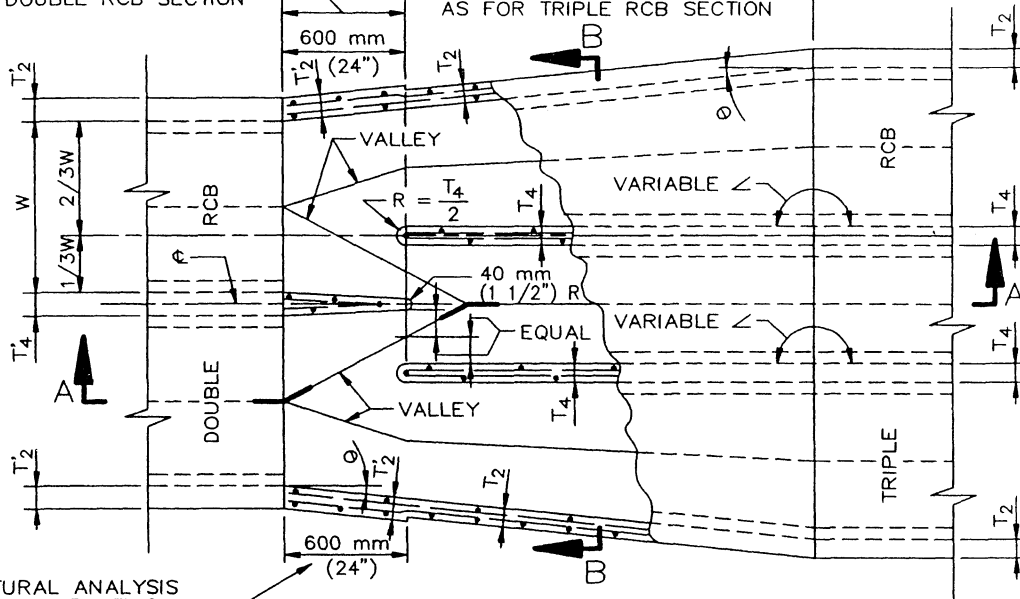


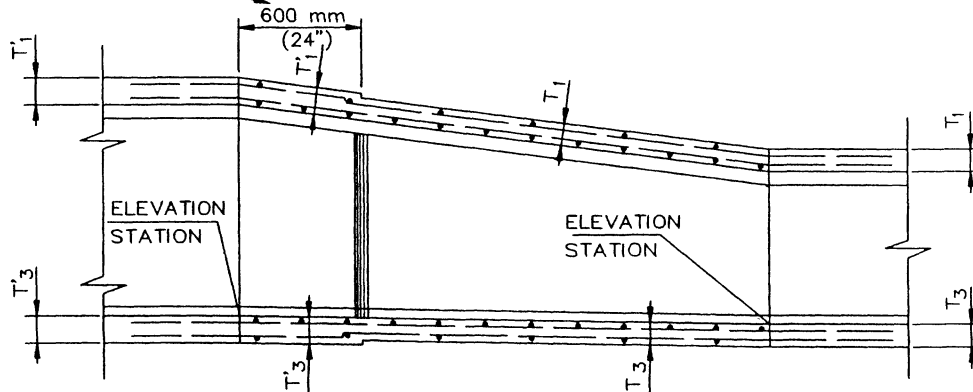
REINFORCING STEEL DETAILS SAME AS FOR DOUBLE RCB SECTION

REINFORCING STEEL DETAILS SAME AS FOR TRIPLE RCB SECTION

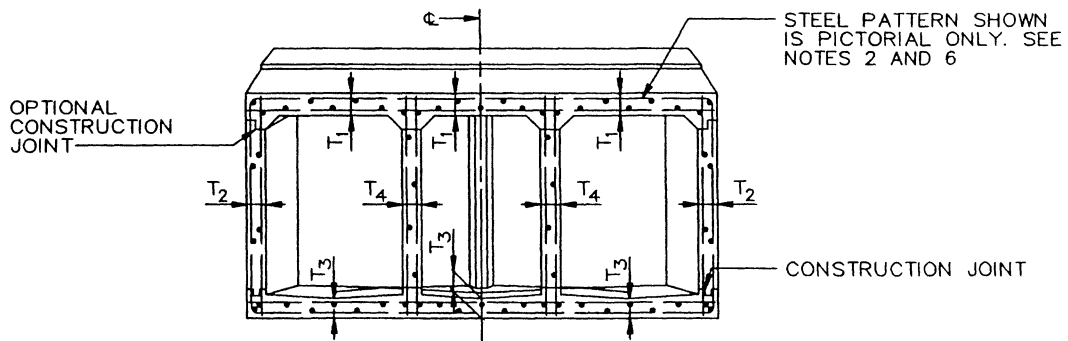


STRUCTURAL ANALYSIS REQUIRED WHEN THIS DIMENSION EXCEEDS 600 mm (24")

SECTIONAL PLAN



SECTION A-A



SECTION B-B

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

PROMULGATED BY THE
PUBLIC WORKS STANDARDS INC.
GREENBOOK COMMITTEE
1992
REV. 1995

**TRANSITION STRUCTURE
DOUBLE RCB TO TRIPLE RCB**

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

STANDARD PLAN
METRIC

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SHEET 1 OF 2

NOTES

1. HORIZONTAL ANGLE OF DIVERGENCE OR CONVERGENCE, θ , SHALL NOT EXCEED 5° 45'.
2. REINFORCING BAR STEEL SIZE, SPACING, AND OUTSIDE COVER SHALL BE THAT OF THE ADJOINING RCB SECTION WITHIN THE LIMITS INDICATED ON THE PLANS. FOR CURVED TRANSITIONS SPACE BARS ON CENTER LINE, AND PLACE TRANSVERSE STEEL RADIALLY. BAR LENGTHS AND DIMENSIONS SHALL VARY UNIFORMLY THROUGHOUT TRANSITION. LONGITUDINAL BARS SHALL BE CONTINUED THROUGH THE JOINTS WITH THE TRANSITION STRUCTURE.
3. CONCRETE THICKNESS SHALL BE THAT OF ADJOINING RCB SECTION WITHIN THE LIMITS INDICATED ON THE PLANS.
4. PLAN AS SHOWN IS FOR TRIPLE RCB SECTION DOWNSTREAM. WHEN TRIPLE RCB SECTION IS UPSTREAM REVERSE THE RADIUS AT ENDS OF DIVISION WALLS AS FOLLOWS:
 - (A) TAPER THE LAST 600 mm (24") OF TRIPLE RCB DIVISION WALLS TO END IN 40 mm (1 1/2") RADIUS.
 - (B) THE 600 mm (24") EXTENSION OF CENTER WALL OF DOUBLE RCB SHALL BE OF UNIFORM THICKNESS, T_4 , ENDING IN RADIUS = $1/2T_4$.
5. $f'_c = 28 \text{ MPa}$ (4000 PSI) AT 28 DAYS AND CONCRETE SHALL BE THE SAME MIX AS THE ADJACENT RCB.
6. 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.
7. TRANSVERSE JOINT KEYWAYS, AS DETAILED FOR LONGITUDINAL JOINT KEYWAYS AT BASE OF OUTER WALLS ON THE PLANS, SHALL BE PLACED IN BOTH SLABS AND WALLS AT THE END OF EACH POUR.
8. THE TRANSITION STRUCTURE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STRUCTURAL NOTES APPLYING TO THE RCB STRUCTURES SHOWN ON THE PLANS.

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

**TRANSITION STRUCTURE
DOUBLE RCB TO TRIPLE RCB**

STANDARD PLAN
METRIC

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SHEET 2 OF 2