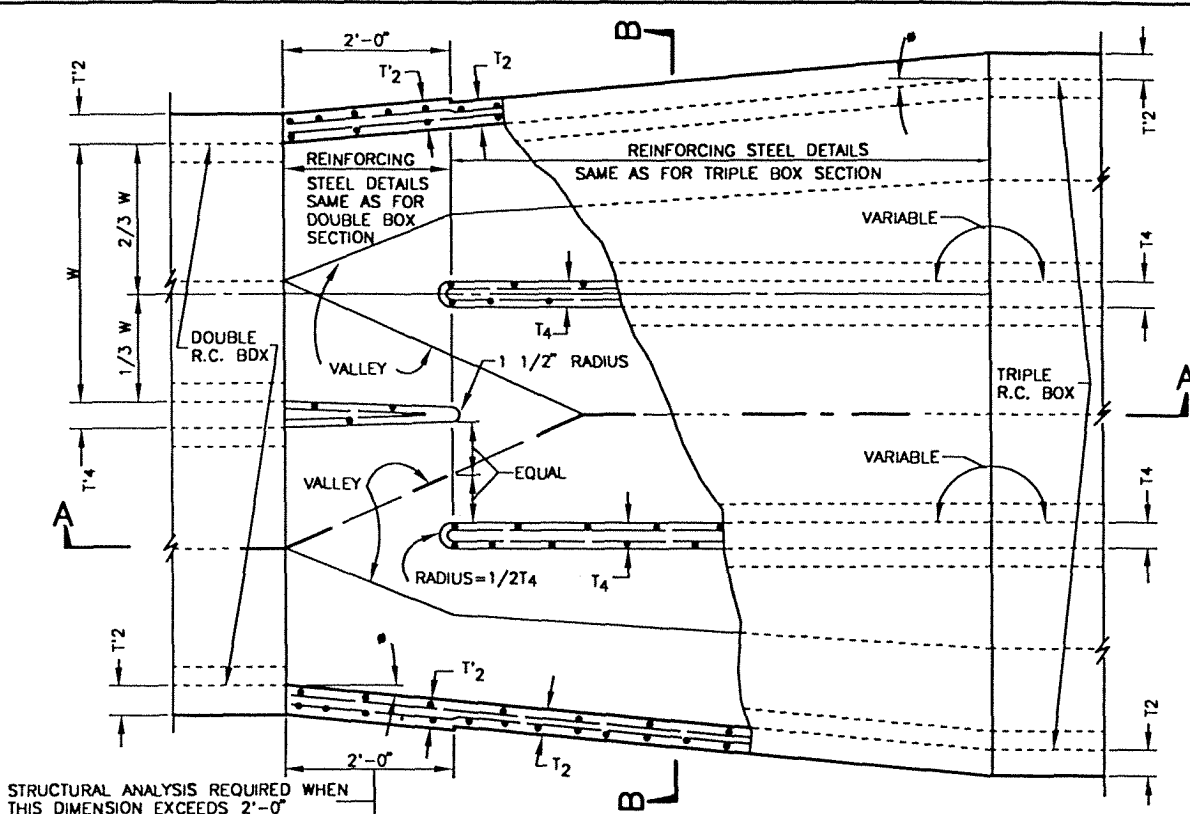


REV.	APPR. BY	DATE

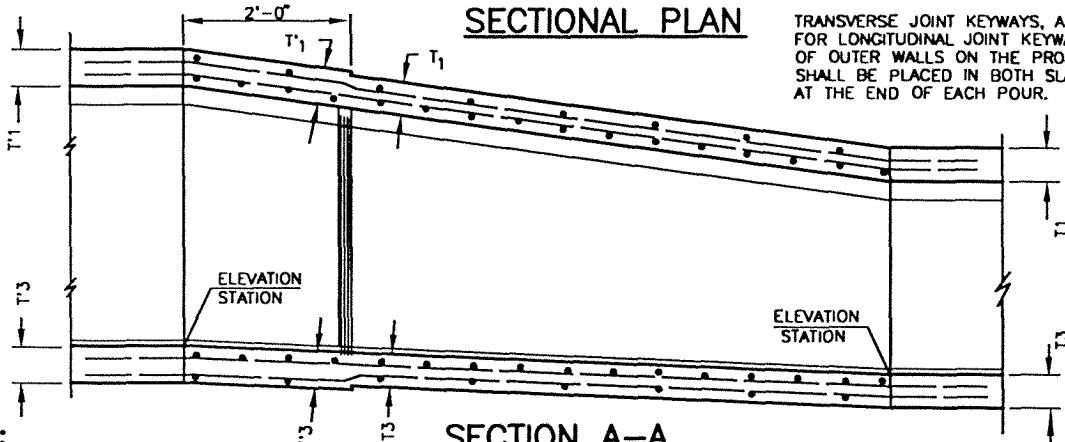
REV.	APPR. BY	DATE



STRUCTURAL ANALYSIS REQUIRED WHEN THIS DIMENSION EXCEEDS 2'-0"

SECTIONAL PLAN

TRANSVERSE JOINT KEYWAYS, AS DETAILED FOR LONGITUDINAL JOINT KEYWAYS AT BASE OF OUTER WALLS ON THE PROJECT DRAWINGS, SHALL BE PLACED IN BOTH SLABS AND WALLS AT THE END OF EACH POUR.

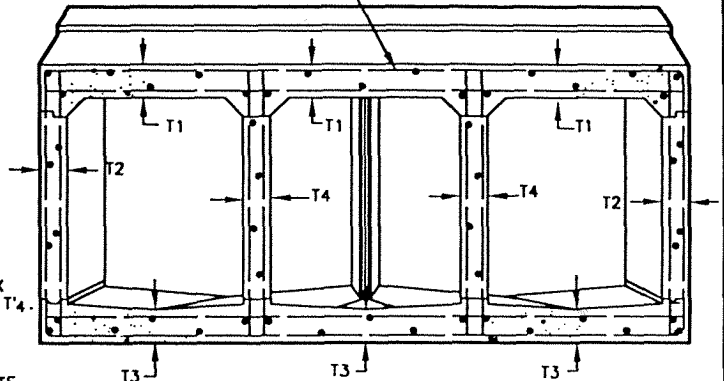


SECTION A-A

NOTES:

- HORIZONTAL ANGLE OF DIVERGENCE OR CONVERGENCE, θ , SHALL NOT EXCEED 5 DEGREE 45 MINUTES.
- REINFORCING STEEL BAR SIZE, SPACING, AND OUTSIDE COVER SHALL BE THAT OF THE ADJOINING BOX SECTION WITHIN THE LIMITS INDICATED ON THE DRAWING. FOR CURVED TRANSITIONS SPACE BARS ON CENTER LINE, AND PLACE TRANSVERSE STEEL RADIALLY. BARS LENGTHS AND DIMENSIONS SHALL VARY UNIFORMLY THROUGHOUT TRANSITION. LONGITUDINAL BARS SHALL BE CONTINUED THROUGH THE JOINTS WITH THE TRANSITION STRUCTURE.
- CONCRETE THICKNESS SHALL BE THAT OF ADJOINING BOX SECTION WITHIN THE LIMITS INDICATED ON THE DRAWING.
- PLAN AS SHOWN IS FOR TRIPLE BOX SECTION DOWNSTREAM. WHEN TRIPLE BOX SECTION IS UPSTREAM, REVERSE THE RADIUS AT THE ENDS OF DIVISION WALLS AS FOLLOWS:
 - TAPER THE LAST TWO FEET OF TRIPLE BDX DIVISION WALLS TO END IN 1 1/2 INCH RADIUS.
 - THE TWO FOOT EXTENSION OF CENTER WALL OF DOUBLE BOX TO BE OF UNIFORM THICKNESS, T'4, ENDING IN RADIUS 1/2 T'4.
- $f'c = 4000$ PSI AT 28 DAYS.
- ALL STEEL, EXCEPT LONGITUDINAL STEEL SHALL BE GRADE 60 BILLET STEEL CONFORMING TO ASTM A615 AND SHALL TERMINATE 1 1/2' CLEAR OF CONCRETE SURFACE UNLESS OTHERWISE SHOWN.

STEEL PATTERN SHOWN IS PICTORIAL ONLY. SEE PROJECT DRAWINGS FOR ACTUAL STEEL LAYOUT.



SECTION B-B

	TRANSITION STRUCTURE No. 5 DOUBLE BOX TO TRIPLE BOX		STANDARD PLAN 2002
	DRAWN: STAFF Department of Public Works	CKD.: STAFF <i>LB</i>	APPR. <i>Granville M. Bowman</i> Granville M. Bowman