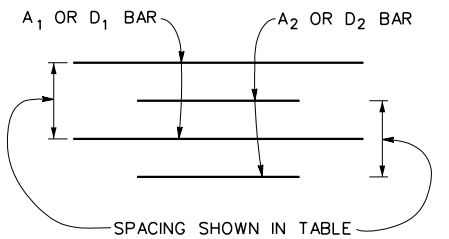
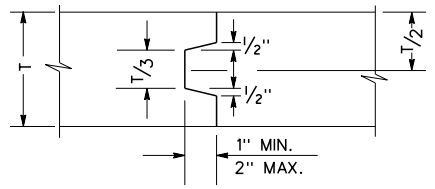
DATA	DETAIL SCHEDULE			
	A	B	C	D
DESIGN COVER				
WIDTH				
HEIGHT				
TOP SLAB T_1				
SIDE WALLS T_2				
BOTTOM SLAB T_3				
A_1 BAR				
HORIZ. LENGTH				
A_2 BAR				
HORIZ. LENGTH				
B BARS				
HORIZ. LENGTH				
VERT. LENGTH				
C BAR				
VERT. LENGTH				
D_1 BAR				
HORIZ. LENGTH				
D_2 BAR				
HORIZ. LENGTH				
E BAR				
HORIZ. LENGTH				
VERT. LENGTH				
F BAR				
HORIZ. LENGTH				
VERT. LENGTH				
G BAR				
TOP HORIZ. LENGTH				
BOT HORIZ. LENGTH				
J BAR				
LONGITUDINAL BARS				
NO.				
CONCRETE C.Y./L.F.				
STEEL LBS./L.F.				

LOCATION SCHEDULE		
STATIONS		
FROM	TO	BOX

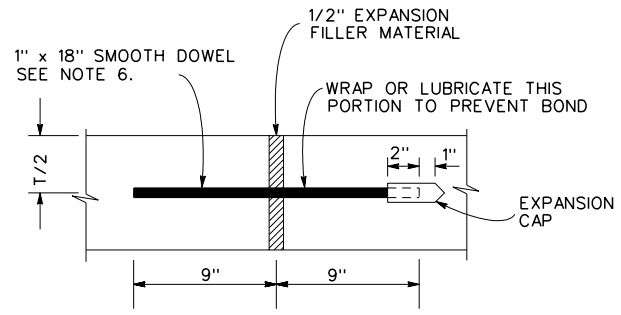
SPLICES			
BAR	LENGTH	BOX	REMARKS



DETAIL A
(PLAN VIEW)



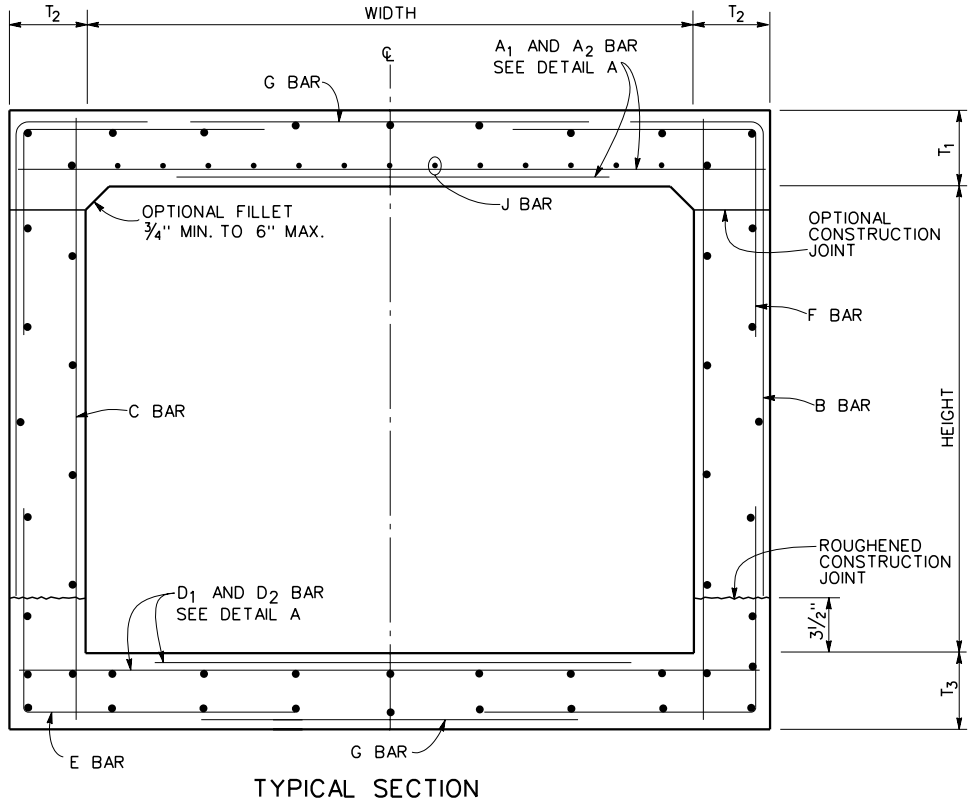
TRANSVERSE CONSTRUCTION JOINT
DETAIL B



TRANSVERSE EXPANSION JOINT
DETAIL C

NOTE:

1. STRUCTURAL CONCRETE SHALL BE CLASS "A".
2. ALL LONGITUDINAL BARS SHALL BE 4 @ #18 INCHES UNLESS OTHERWISE NOTED. PLACE BARS IN TOP AND BOTTOM SLABS SYMMETRICALLY ABOUT CENTERLINE. PLACE BARS IN WALLS SYMMETRICALLY ABOUT MID-HEIGHT OF WALLS. J BARS ARE IN REPLACEMENT OF THE LONGITUDINAL BARS.
3. CLEAR COVER FOR STEEL SHALL BE 2 INCHES FOR TOP SLAB AND SIDE WALLS AND 3 INCHES FOR THE INNER FACE AND 3 INCHES FOR THE OUTER FACE OF THE BOTTOM SLAB.
4. STEEL IS DIMENSIONED TO BACK OF BAR BEND.
5. FOR CONSTRUCTION ON CURVES, STRAIGHT TRANSVERSE BARS IN TOP AND BOTTOM SLABS SHALL BE ALIGNED RADIALLY WITH SPACING MEASURED AT CENTERLINE. FOR STRAIGHT BARS AND L-BARS IN WALLS SPACING SHALL BE MEASURED BETWEEN THE VERTICAL LEGS OF BARS.
6. ALL TRANSVERSE CONSTRUCTION JOINTS SHALL BE IN A VERTICAL PLANE NORMAL TO THE CENTERLINE AND THE SPACING THEREOF SHALL NOT EXCEED 50 FEET OR BE LESS THAN 10 FEET. CONTINUOUS KEYWAYS SHALL BE CONSTRUCTED AS SHOWN IN DETAIL B. A COMPLETE CURTAIN OF TRANSVERSE STEEL SHALL BE PLACED 3 INCHES FROM EACH FACE OF THE JOINTS AND LONGITUDINAL STEEL WILL NOT BE CONTINUOUS THROUGH THE JOINTS. IN ADDITION, EXPANSION JOINTS SHALL BE CONSTRUCTED BETWEEN REINFORCED CONCRETE CHANNEL AND REINFORCED CONCRETE BOX SECTIONS AS SHOWN IN DETAIL C. DOWELS SHALL BE PLACED AT 12" SPACING CENTERED IN THE MIDDLE THIRD OF BOTTOM SLAB AND THE TOP THIRD OF SIDE WALLS. A MINIMUM OF 3 DOWELS PER SLAB AND WALLS SHALL BE PLACED.
7. ALL QUANTITIES SHOWN ARE APPROXIMATE.
8. ALL SPLICES ARE SUBJECT TO APPROVAL BY THE ENGINEER.
9. ENGINEER SHALL DETERMINE WHETHER WEEPHOLES OR SUBDRAINS ARE REQUIRED.



TYPICAL SECTION
NTS

DESIGN DATA

LIVE LOAD =
SOIL DENSITY =
ALLOWABLE STRESSES:
f'_c =
f_c =
f_y =
f_s =

* STANDARD FORMAT TO BE USED AS FULL SIZE DRAWINGS

REGISTERED PROFESSIONAL ENGINEER
WARREN D. WILLIAMS
No. 32336
Exp. 12-31-04
CIVIL
STATE OF CALIFORNIA

RIVERSIDE COUNTY FLOOD CONTROL
AND
WATER CONSERVATION DISTRICT
APPROVED BY:
CHIEF ENGINEER
DATE: April 5, 2004
R.C.E. NO. 32336

SINGLE CELL RCB STRUCTURAL DETAILS

STANDARD DRAWING NUMBER BX401