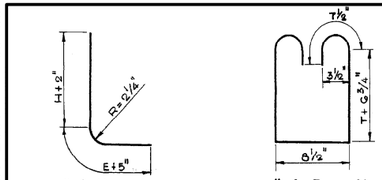
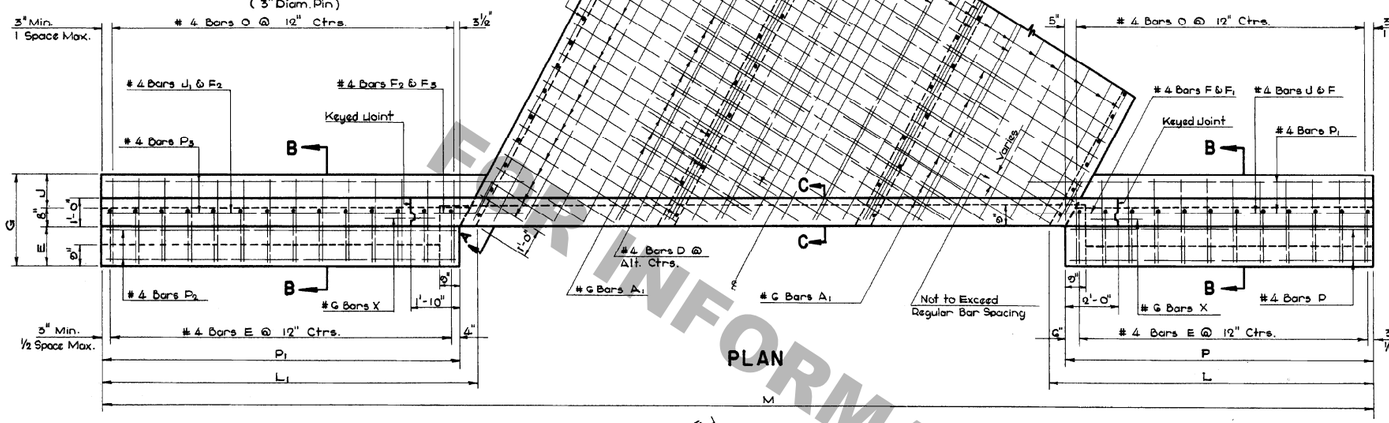
09:55 28-NOV-2007

F.A.P.	STATE PROJECT	PARISH	SHEET NO.

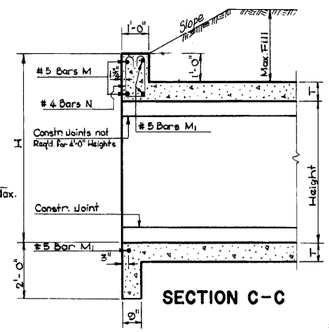


#4 Bars E **#4 Bars N** (3" Diam. Pin)

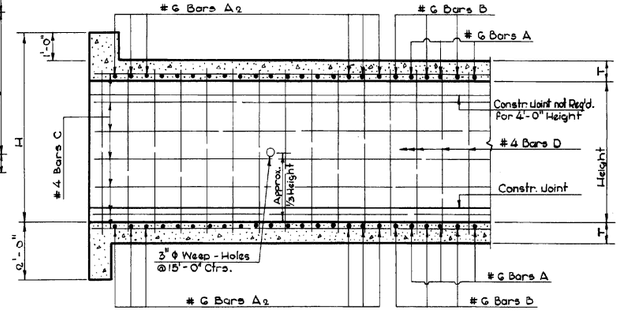


#6 Bars A_2 (4½" Diam. Pin) **#6 Bars A** (4½" Diam. Pin) **#6 Bars B** (4½" Diam. Pin)

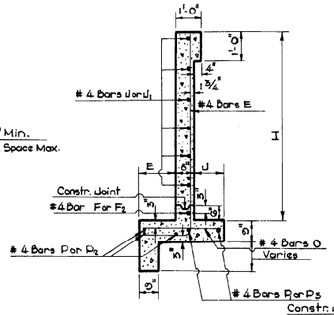
DIMENSIONS FOR BARS B					
SPAN	A	B	C	D	E
6' - 0"	4'-7⅞	3'-1½	0'-7⅜	4⅛"	6"
7' - 0"	5'-4⅝	3'-7⅛	3'-1¼	4¾"	6⅝"



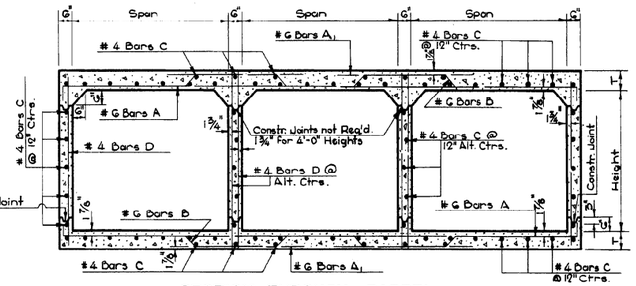
SECTION C-C



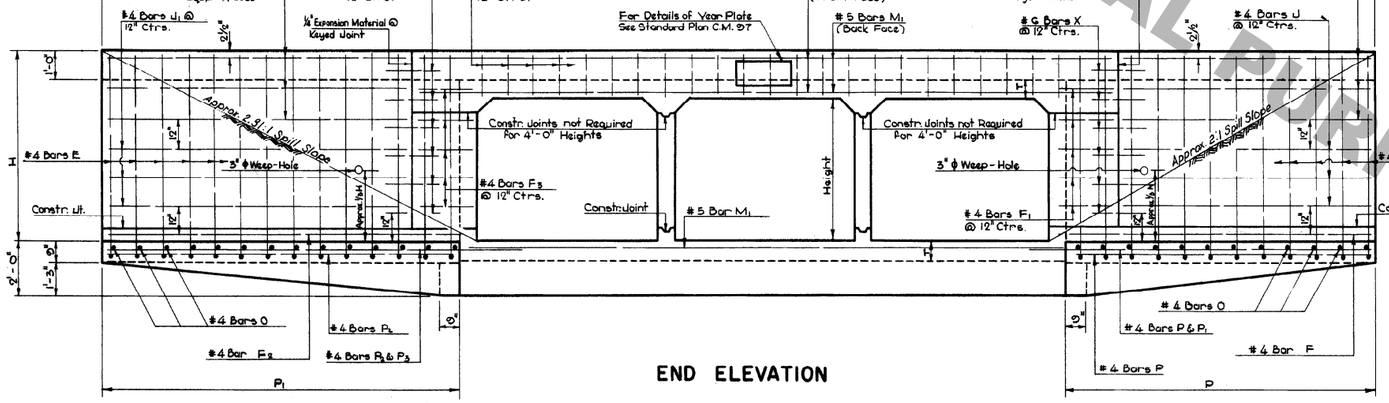
SECTION A-A



SECTION B - B



SECTION THROUGH BARREL



END ELEVATION

DIMENSIONS																									QUANTITIES				OPENINGS	
OPENINGS			MAX. FILL		BBL.	WINGS AND CURBS																			PER LINEAR FOOT OF BARREL		44'-0" CULVERT			
SIZE	Nº	AREA	SLAB	WALLS	T	E	J	G	H	L	L_1	P	P_1	M											STEEL	CONC.	STEEL	CONC.	Nº	SIZE
FT.		Sq. Ft.	Ft.	Ft.	In.	Ft.-In.	Ft.-In.	Ft.-In.	Ft.-In.	Ft.-In.	Ft.-In.	Ft.-In.	Ft.-In.	Ft.-In.											Pounds	Cu.Yds.	Pounds	Cu.Yds.		FT.
G x 4	2	48	16	12	8	1-3	0-10	2-9	5-8	10-3 15/16	12-1 15/16	9-9	11-7	36-11¼											127.76	0.9074	6506	55.05	2	G x 4
	3	72												44-5⅛											193.80	1.3117	10148	74.80	3	
	4	96	20											51-11¼											258.66	1.7161	13546	94.72	4	
	5	120												59-5⅛											324.45	2.1204	16965	114.56	5	
	6	144												66-11⅛											401.17	2.5247	20346	134.40	6	
G x 5	2	60	15											41-0⅛											131.76	0.9630	7305	61.62	2	G x 5
	3	90												48-6⅛											198.66	1.3858	10617	82.31	3	
	4	120	20	7	8	1-5	1-2	3-3	6-8	12-3 15/16	14-2 15/16	11-9	13-8	56-0⅜											265.56	1.8087	14099	103.01	4	
	5	150												65-6¼											332.46	2.2315	17558	123.70	5	
	6	180												73-0⅜											410.52	2.6544	21002	144.39	6	
T x 4	2	56	19											30-3⅜											140.88	1.0540	7966	62.25	2	T x 4
	3	84												47-11⅝											227.54	1.5309	11565	85.57	3	
	4	112	16	12	8½	1-3	0-10	2-9	5-8½	10-4 15/16	12-1 15/16	9-10	11-7	56-7⅜											305.20	2.0077	15887	108.02	4	
	5	140												65-3⅝											382.86	2.4849	20062	132.26	5	
	6	168												73-11⅞											472.54	2.9614	24065	155.61	6	

GENERAL NOTES:
CONSTRUCTION SPECIFICATIONS: Latest Approved La. Dept. of Highways Standard Specifications.
DESIGN SPECIFICATIONS: A.A.S.H.O. 1961 as Amended by Int. Spec. 1964
LIVE LOAD: HS20-44 or Military, Whichever is Greater.
All Concrete to be Class "A".
All Exposed Corners to have ¾" Chamfer, Unless Otherwise Noted.
Reinforcement Shall be Billet-Steel A.S.T.M. A615 or Rail - Steel A.S.T.M. A616 or Axle - Steel A.S.T.M. A617.
Dimensions Relating to Reinforcing Steel are to Bar Centers.
Place about 2 Cu. Ft. of Large Size Gravel or Loose Rock in 1'-6" Square of Plastic Filter Cloth (See Qualified Products List) shall be placed in contact with Concrete behind each Weep Hole, in addition to approx. 2 Cu. Ft. of Concrete Sand.
For Detail of Joints, See Std. Plan C.M.- 49.

APPROVED BY: Dewey D. White 1-11-78
CHIEF ENGINEER DATE

BILL OF REINFORCING STEEL FOR 44'-0" CULVERT

| OPENINGS | BARREL REINFORCEMENT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | WINGS AND CURBS REINFORCEMENT | | | | | | | | | | | | | | | | | | |