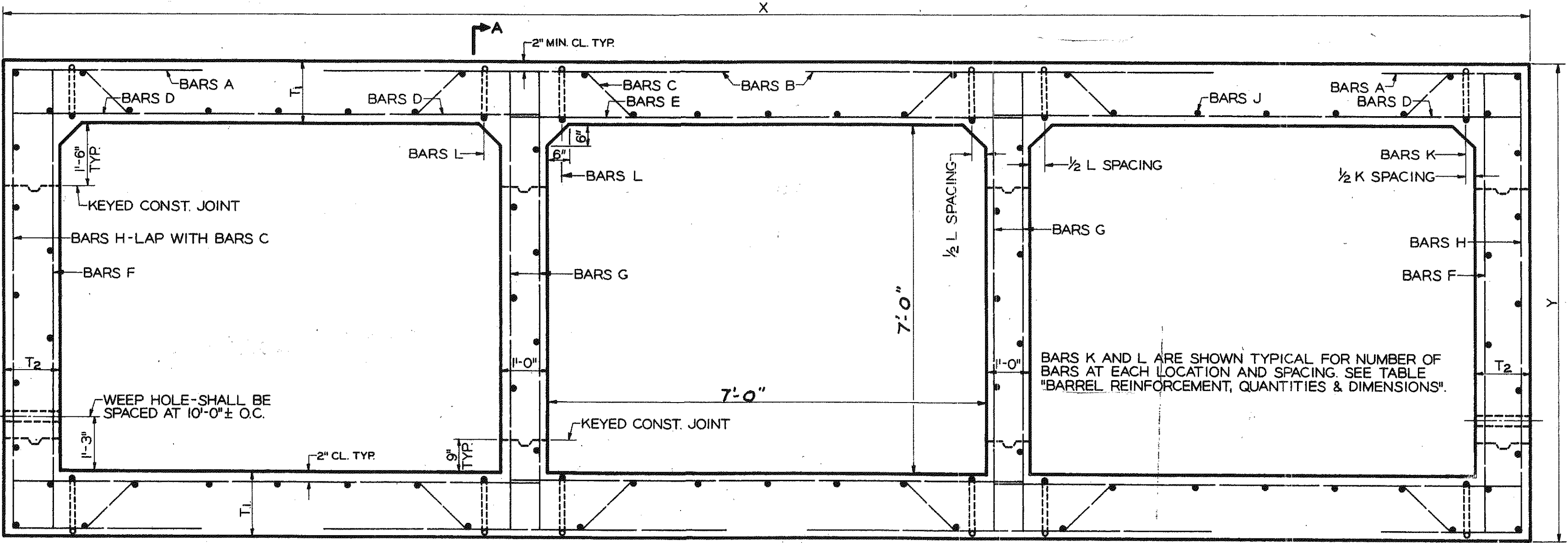


STATE	PROJECT NUMBER	SHEET No.	TOTAL SHEETS
GA.			

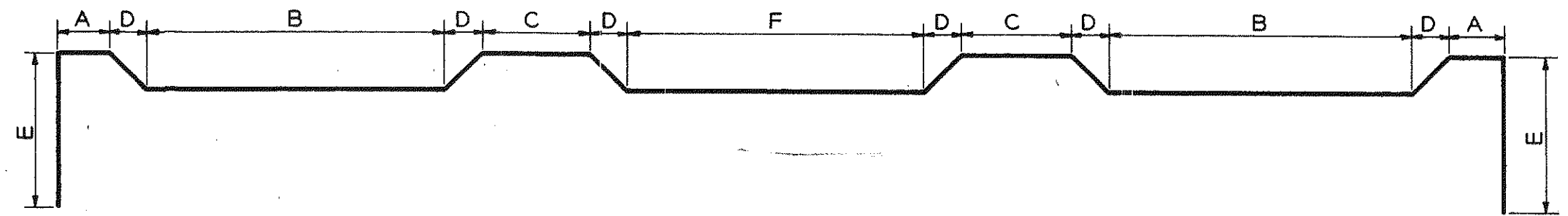
TRIPLE BOX CULVERT BARREL REINFORCEMENT QUANTITIES AND DIMENSIONS					
DESIGN	1	2	3	4	5
A	601 AT 12"	602 AT 12"	603 AT 12"	604 AT 12"	605 AT 12"
B	701 AT 12"	901 AT 12"	901 AT 12"	901 AT 12"	2 -- 704 BETWEEN
C	401 AT 12"	402 AT 12"	501 AT 12"	606 AT 12"	607 AT 12"
D	403 AT 12"	608 AT 12"	609 AT 12"	702 AT 12"	702 AT 12"
E	404 AT 12"	404 AT 12"	404 AT 12"	404 AT 12"	404 AT 12"
F	405 AT 12"	406 AT 12"	407 AT 12"	408 AT 12"	703 AT 12"
G	405 AT 12"	406 AT 12"	407 AT 12"	408 AT 12"	409 AT 12"
J	78 - 410	78 - 410	78 - 410	78 - 410	78 - 410
K	-	-	1 - 412 AT 5"	1 - 413 AT 5 1/2"	2 - 414 AT 6"
L	-	1 - 411 AT 4 1/2"	2 - 412 AT 5"	3 - 413 AT 5 1/2"	3 - 414 AT 6"
X	24'-6"	24'-6"	25'-0"	25'-0"	25'-0"
Y	8'-6"	8'-10"	9'-0"	9'-4"	9'-6"
T ₁	0'-9"	0'-11"	1'-0"	1'-2"	1'-3"
T ₂	0'-9"	0'-9"	1'-0"	1'-0"	1'-0"
CU. YDS. CONCRETE PER FT.	2.2965	2.5990	2.9168	3.2255	3.3798
LBS. BAR REINF. STEEL PER FT.	257.143	344.606	402.277	480.896	533.077
HEIGHT OF FILL OVER TOP	TO 10"	TO 20'	TO 30'	TO 40'	TO 50'

BARREL SECTION BAR REINFORCEMENT DETAILS								
MARK	LENGTH	TYPE	A	B	C	D	E	F
401	28-2	7	1-3	5-0	2-1	0-5	1-6	5-0
402	29-2	7	1-2	4-9	2-0	0-7	1-9	4-10
403	8-5	1	8-5					
404	8-8	1	8-8					
405	8-2	1	8-2					
406	8-6	1	8-6					
407	8-8	1	8-8					
408	9-0	1	9-0					
409	9-2	1	9-2					
410	POUR - 4"	1	POUR - 4"					
411	3-4 1/2	6	1-1 1/2	0-7 1/2	0-7 1/2			
412	3-6 3/4	6	1-1 3/4	0-8 1/2	0-8 1/2			
413	3-10 3/4	6	1-1 3/4	0-10 1/2	0-10 1/2			
414	4-0 3/4	6	1-1 3/4	0-11 1/2	0-11 1/2			
501	29-11	7	1-5	4-8	1-9	0-8	1-9	5-0
601	14-8	8	8-2	3-3	3-3			
602	13-2	8	8-6	2-4	2-4			
603	14-0	8	8-8	2-8	2-8			
604	14-2	8	9-0	2-7	2-7			
605	16-0	8	9-2	3-5	3-5			
606	31-8	7	1-4	4-5	1-10	0-10	2-6	4-6
607	31-9	7	1-7	4-2	1-7	0-11	2-5	4-6
608	8-5	1	8-5					
609	8-8	1	8-8					
701	6-11	1	6-11					
702	8-8	1	8-8					
703	9-2	1	9-2					
704	6-6	1	6-6					
901	7-4	1	7-4					

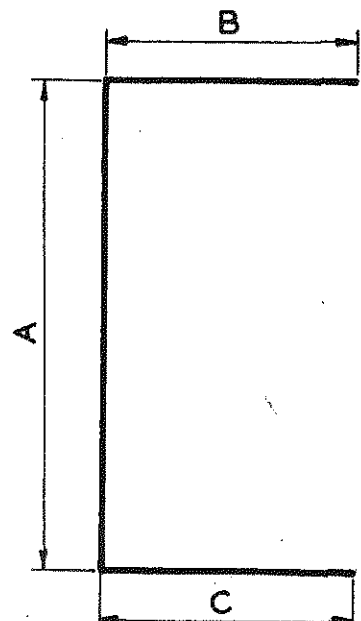
NOTE: BARS B THAT ARE SHOWN AS TWO BETWEEN BARS C SHALL BE EQUALLY SPACED BETWEEN BARS C.



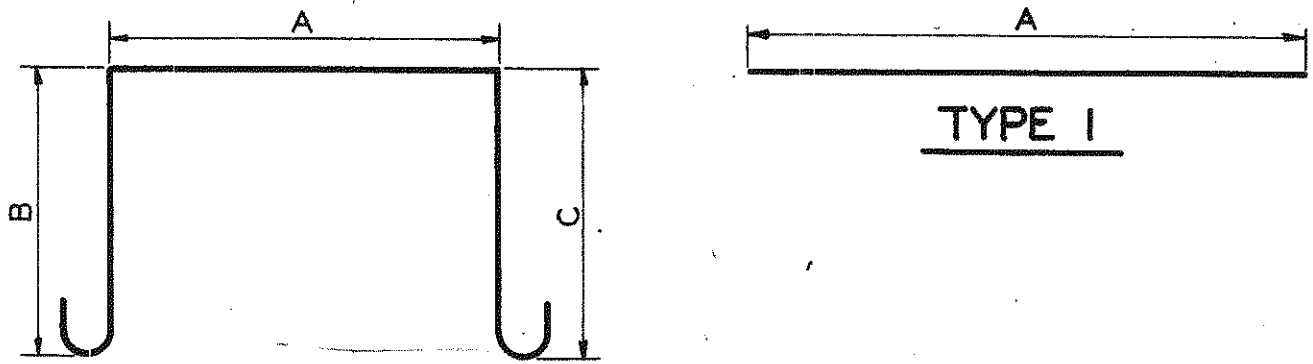
BOTTOM SLAB REINFORCEMENT SAME AS TOP
BARREL SECTION



TRIPLE BOX CULVERT ONLY
TYPE 7



TYPE 8



TYPE 6

FOR DETAILS OF WINGWALLS AND PARAPETS SEE
GA. STD. NO. 2326.

BOX CULVERT REQUIREMENTS:

MINIMUM FILL HEIGHT FROM TOP OF CULVERT TO BOTTOM OF BASE WITHIN TRAVELWAY SHALL BE 12 INCHES.

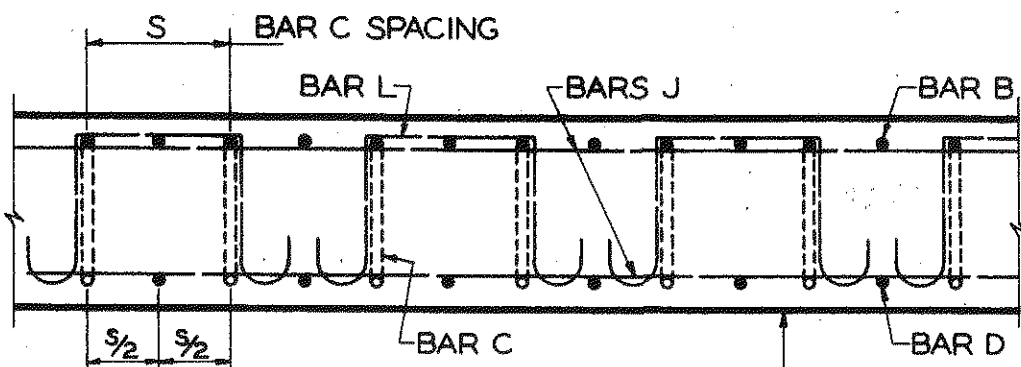
MAXIMUM POUR LENGTH SHALL NOT EXCEED 30 FEET ALONG THE LENGTH OF THE CULVERT.

TRANSVERSE CONSTRUCTION JOINTS SHALL BE PLACED IN THE BARREL, NORMAL TO THE CENTERLINE OF CULVERT, AT THE OUTSIDE SHOULDER BREAK POINTS. LONGITUDINAL BARREL REINFORCING STEEL SHALL NOT BE CONTINUOUS THROUGH THESE JOINTS, PROVIDED THAT THE JOINTS ARE MORE THAN 15 FEET FROM THE BARREL ENDS.

WHEN TRANSVERSE CONSTRUCTION JOINTS OCCUR WITHIN 15 FEET OF THE BARREL ENDS OR WITHIN THE LIMITS OF THE PAVEMENT, THE LONGITUDINAL BARREL REINFORCING SHALL THEN BE CONTINUOUS THROUGH SUCH JOINTS. THE MINIMUM LENGTH OF LAP SPLICE FOR LONGITUDINAL REINFORCING SHALL BE 24 INCHES.

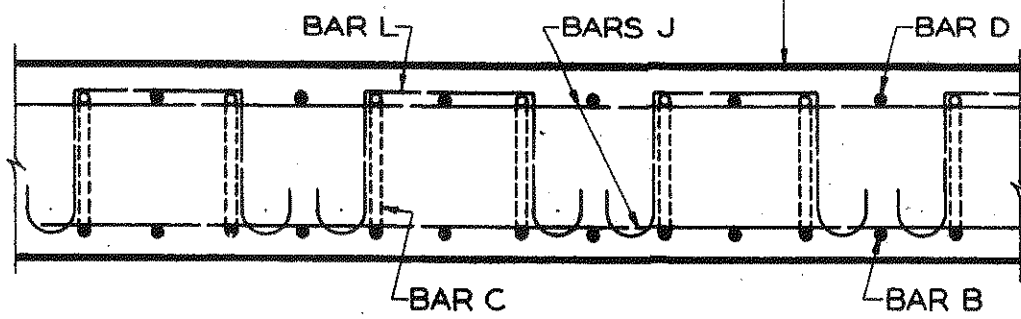
TRANSVERSE CONSTRUCTION JOINTS PLACED AT ANY OTHER LOCATION NOT SPECIFIED ABOVE SHALL BE FORMED WITH NO LONGITUDINAL REINFORCING STEEL PASSING THROUGH THE JOINTS.

NOTE: THE DESIGN OF CULVERT SHALL BE DETERMINED BY THE MAXIMUM HEIGHT OF FILL WITH ONLY A SINGLE DESIGN BEING USED FOR THE ENTIRE INSTALLATION.



TOP SLAB

NOTE: BARS B SHOWN IN SECTION AS ONE BAR EQUALLY SPACED BETWEEN BARS C. TWO BARS B EQUALLY SPACED BETWEEN BARS C SHALL BE USED WHEN REQUIRED.



BOTTOM SLAB
SECTION A-A

FOR DETAILS OF WINGWALLS AND PARAPETS SEE GA. STD. NO. 2326.
NOTE: BEND LONGITUDINAL BARS INTO WINGS AND PARAPETS SIMILAR TO STANDARDS. IF CULVERT IS SKEWED CUT TRANSVERSE STEEL AND BEND 12" INTO PARAPET OR TOE WALL AND HOOK

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
REINFORCED CONCRETE BOX CULVERT TRIPLE 7'X 7'	
NO SCALE	
APRIL 1961	
DESIGNED J.T.K. DRAWN P.D.P.	TRACED G.M.B.-L.R. CHECKED
REVIEWED R.K.J. APPROVED	