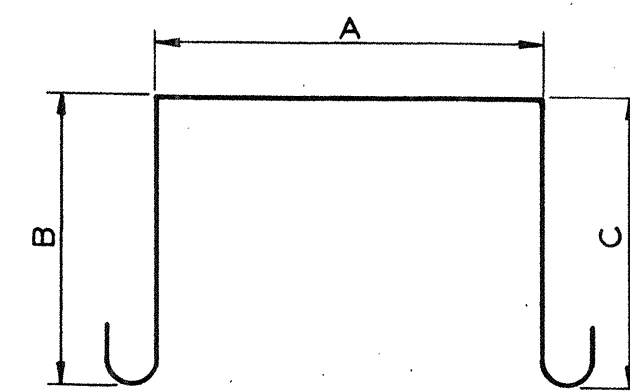
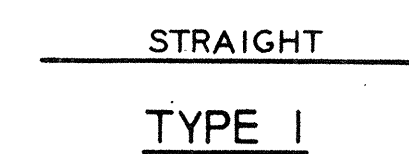


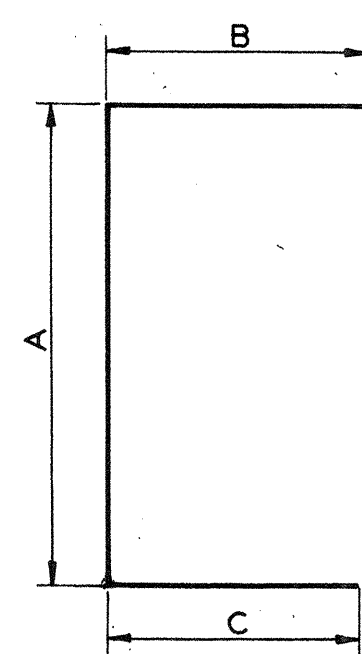
BARREL SECTION BAR REINFORCEMENT DETAILS								
MARK	LENGTH	TYPE	A	B	C	D	E	F
401	9-4	1						
402	9-8	1						
403	9-1 1/2	1						
404	13-7 1/2	8	9-5 1/2	2-1	2-1			
405	9-5	1						
406	9-5 1/2	1						
407	14-1 1/2	8	9-9 1/2	2-2	2-2			
408	3-4	6	1-1 3/4	0-7 1/4	0-7 1/4			
409	3-8	6	1-1 3/4	0-9 1/4	0-9 1/4			
410	9-9 1/2	1						
411	14-7	8	10-0 1/2	2-3	2-3			
412	3-11	6	1-1 3/8	0-10 3/4	0-10 3/4			
413	10-0 1/2	1						
414	14-10	8	10-3 1/2	2-3	2-3			
415	4-2	6	1-1 7/8	1-0 1/4	1-0 1/4			
416	10-3 1/2	1						
417	15-4	8	10-6	2-5	2-5			
418	4-5	6	1-2	1-1 1/2	1-1 1/2			
419	10-6	1						
420	15-9	8	10-8 1/2	2-6	2-6			
421	10-8 1/2	1						
422	16-1	8	10-11	2-7	2-7			
423	4-8	6	1-2	1-2 3/4	1-2 3/4			
424	10-11	1						
425	4-10	6	1-1 7/8	1-4	1-4			
501	13-8 1/2	8	9-1 1/2	2-3 1/2	2-3 1/2			
502	32-0	7	1-3 1/2	5-1 1/4	3-7 1/2	0-4 3/4	2-0	4-7
503	9-8 1/2	1						
504	9-11 1/2	1						
601	6-0	1						
602	32-8	7	1-2	5-0 3/8	3-6 3/4	0-6 3/4	2-0	4-3 3/4
603	33-4	7	1-2	4-10 1/2	3-6	0-8 1/4	2-0	4-0 1/2
604	9-7	1						
605	9-10	1						
606	10-1	1						
701	6-6	1						
702	34-9	7	1-2	4-9	3-6	0-10 1/4	2-5	3-9 1/2
703	35-6	7	1-2	4-8 1/2	3-4	0-11 3/4	2-6	3-8 1/2
704	37-8	7	1-5	4-3 3/4	3-2	1-3 1/2	2-10	3-3
705	10-3	1						
801	7-0	1						
802	6-10	1						
803	8-6	1						
804	7-10	1						
805	36-4	7	1-3	4-6	3-5	1-1	2-8	3-5
806	37-2	7	1-5	4-4	3-3	1-2 1/4	2-10	3-4 1/2
807	8-0	1						
901	8-10	1						



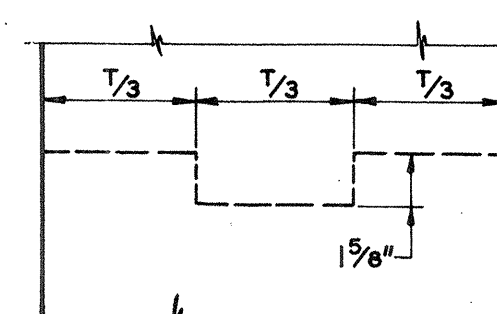
TYPE 6



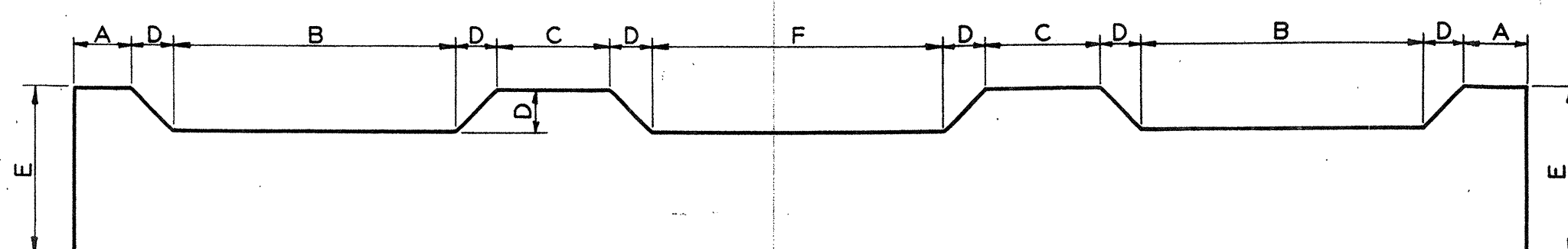
TYPE 1



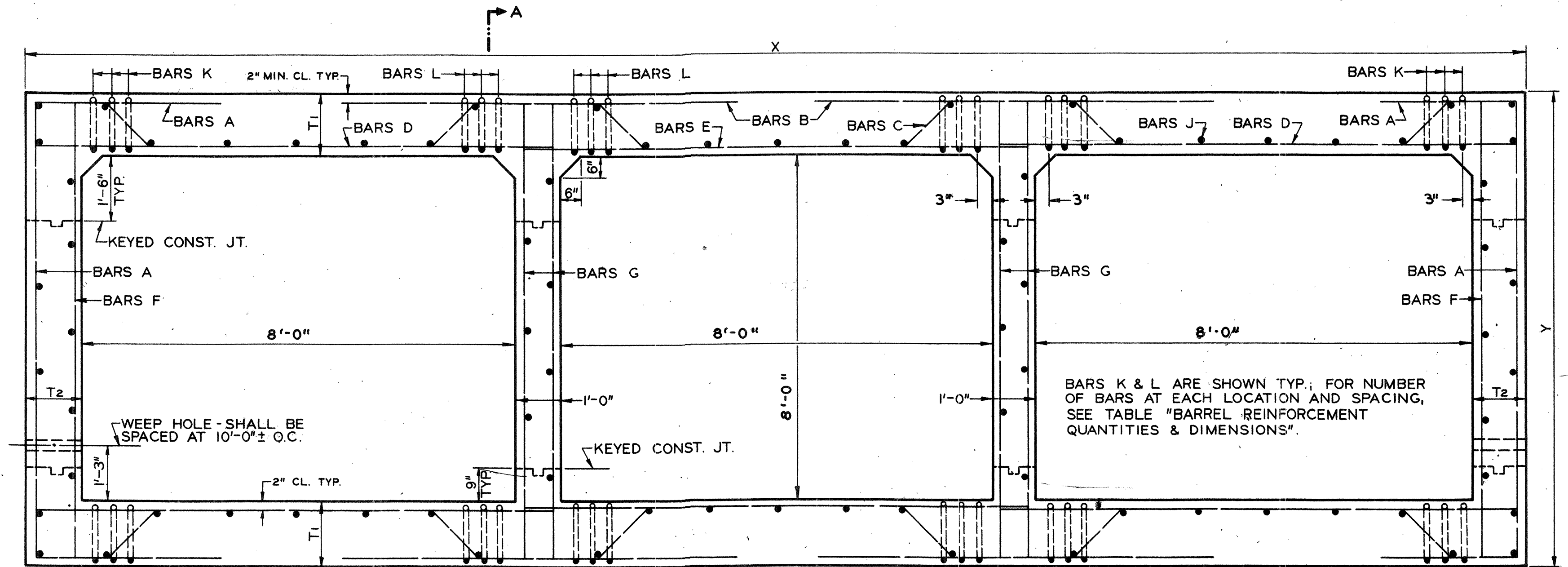
TYPE 8



KEYED CONST. JT.



TYPE 7



BOTTOM SLAB REINFORCEMENT SAME AS TOP
BARREL SECTION

TRIPLE 8' X 8' BOX CULVERT BARREL REINFORCEMENT QUANTITIES AND DIMENSIONS								
DESIGN	1	2	3	4	5	6	7	8
HEIGHT OF FILL OVER TOP	0' TO 10'	10' TO 20'	20' TO 30'	30' TO 40'	40' TO 50'	50' TO 60'	60' TO 70'	70' TO 80'
A	501 AT 12"	404 AT 6"	407 AT 6"	411 AT 6"	414 AT 6"	417 AT 6"	420 AT 6"	422 AT 6"
B	601 AT 12"	701 AT 12"	801 AT 12"	802 AT 12"	803 AT 12"	804 AT 12"	807 AT 12"	901 AT 12"
C	502 AT 12"	602 AT 12"	603 AT 12"	702 AT 12"	703 AT 12"	805 AT 12"	806 AT 12"	704 AT 12"
D	401 AT 12"	405 AT 12"	604 AT 12"	503 AT 12"	605 AT 12"	504 AT 12"	606 AT 12"	705 AT 12"
E	402 AT 12"	402 AT 12"	402 AT 12"	402 AT 12"	402 AT 12"	402 AT 12"	402 AT 12"	402 AT 12"
F	403 AT 12"	406 AT 12"	410 AT 12"	413 AT 12"	416 AT 12"	419 AT 12"	421 AT 12"	424 AT 12"
G	403 AT 12"	406 AT 12"	410 AT 12"	413 AT 12"	416 AT 12"	419 AT 12"	421 AT 12"	424 AT 12"
J	78 NO. 4 BARS	78 NO. 4 BARS	78 NO. 4 BARS	78 NO. 4 BARS	78 NO. 4 BARS	78 NO. 4 BARS	78 NO. 4 BARS	78 NO. 4 BARS
K	0	0	0	2-412 AT 6"	2-415 AT 6"	3-418 AT 6"	3-423 AT 5"	4-425 AT 4"
L	0	2-408 AT 10"	2-409 AT 9"	3-412 AT 6"	5-415 AT 5"	6-418 AT 4"	8-423 AT 3 1/2"	9-425 AT 3 1/4"
X	27'-4"	27'-6 1/2"	27'-10"	28'-1"	28'-4"	28'-7"	28'-10"	29'-1 1/2"
Y	9'-5 1/2"	9'-9 1/2"	10'-1 1/2"	10'-4 1/2"	10'-7 1/2"	10'-10"	11'-0 1/2"	11'-3"
T1	0'-8 3/4"	0'-10 3/4"	1'-0 3/4"	1'-2 1/4"	1'-3 1/4"	1'-5"	1'-6 1/4"	1'-7 1/2"
T2	0'-8"	0'-9 1/4"	0'-11"	1'-0 1/2"	1'-2"	1'-3 1/2"	1'-5"	1'-6 3/4"
CU. YDS. CONCRETE PER FT.	2.4918	2.9047	3.3542	3.7080	4.0664	4.3854	4.7080	5.0521
LBS. BAR REINF. STEEL PER FT.	257.93	333.58	394.07	441.63	507.68	555.83	612.97	651.73

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.

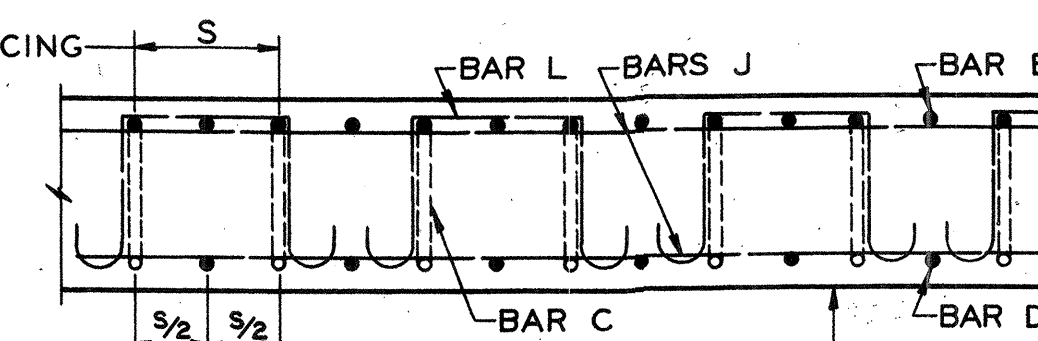
TRANSVERSE CONSTRUCTION JOINTS SHALL BE PLACED IN THE BARREL, NORMAL TO THE CENTERLINE OF CULVERT, AT THE OUTSIDE SHOULDER BREAK POINTS. LONGITUDINAL BARREL REINFORCING STEEL SHALL NOT BE CONTINUOUS THROUGH THESE JOINTS, PROVIDED THAT THE JOINTS ARE MORE THAN 15 FEET FROM THE BARREL ENDS.

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

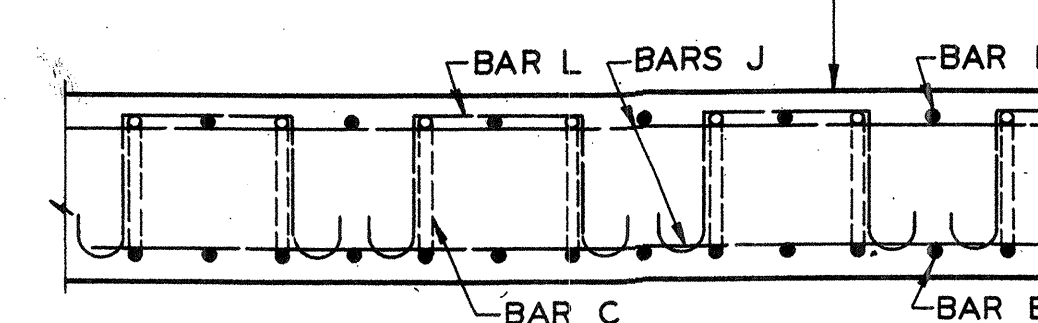
TRANSVERSE CONSTRUCTION JOINTS PLACED AT ANY OTHER LOCATION NOT SPECIFIED ABOVE SHALL BE FORMED WITH NO LONGITUDINAL REINFORCING STEEL PASSING THROUGH THE JOINTS.

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

BAR C SPACING



TOP SLAB



BOTTOM SLAB
SECTION A-A

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 8 X 8

NO SCALE

MARCH 1973

BRIDGE SHEET OF	DESIGNED: J. D. S.	TRACED: B. J. W.	REVIEWED: L. R. P.
	DRAWN:	CHECKED: S. L. W.	APPROVED: