

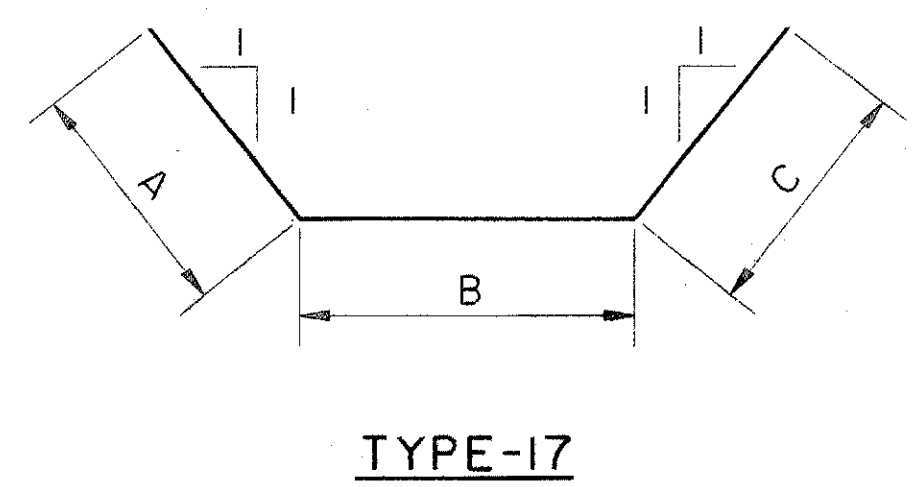
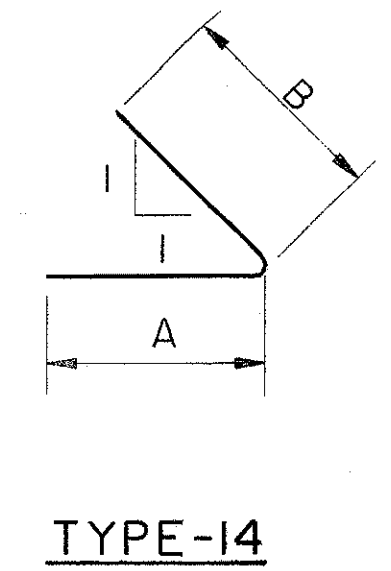
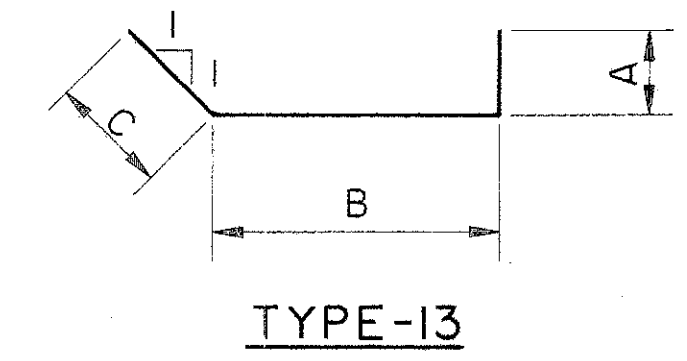
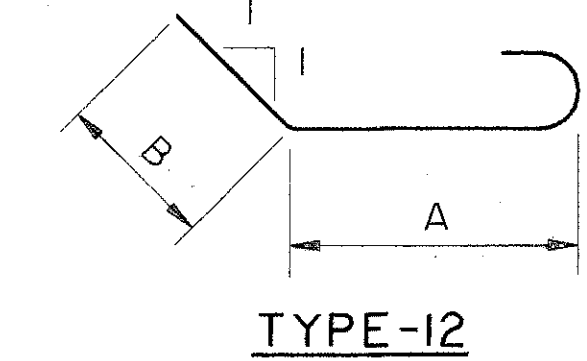
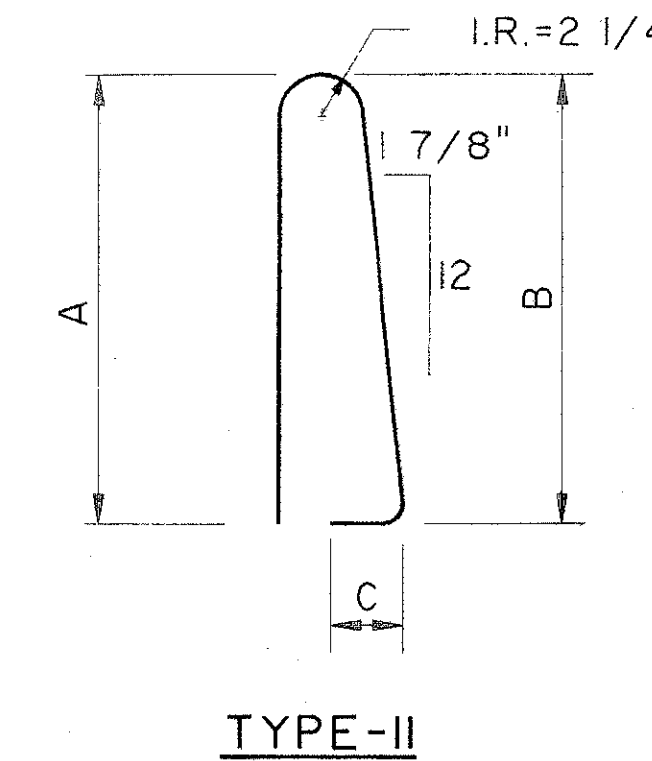
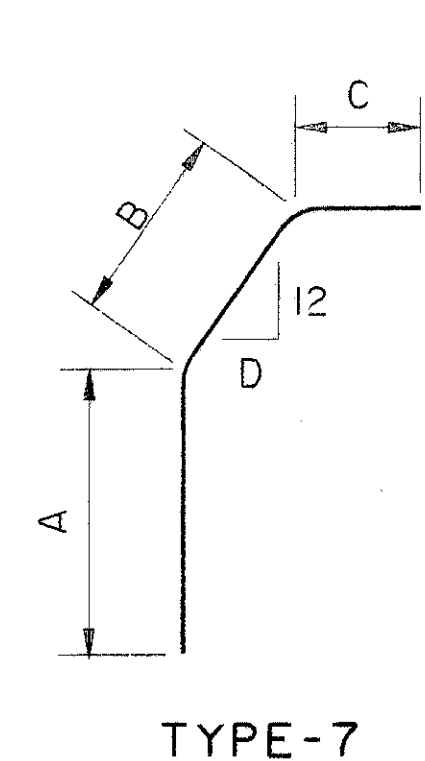
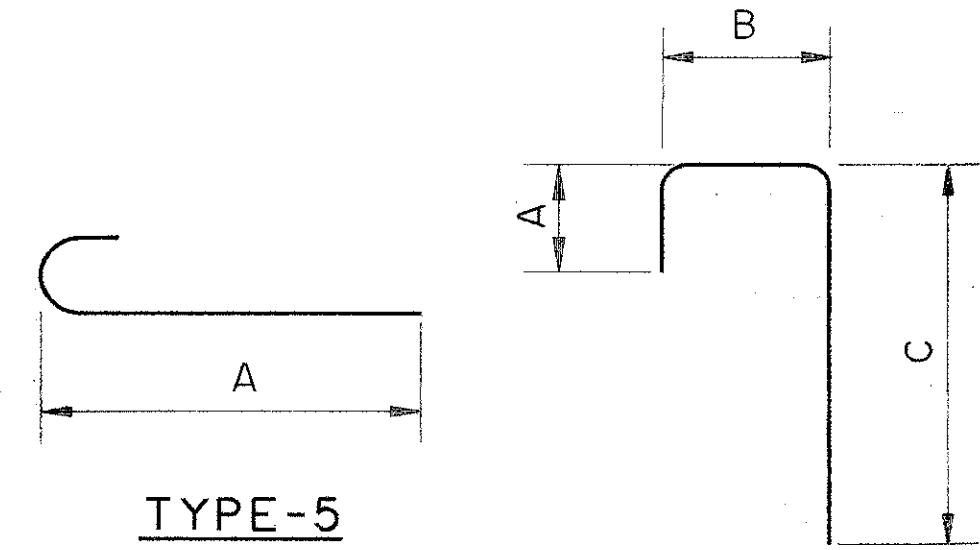
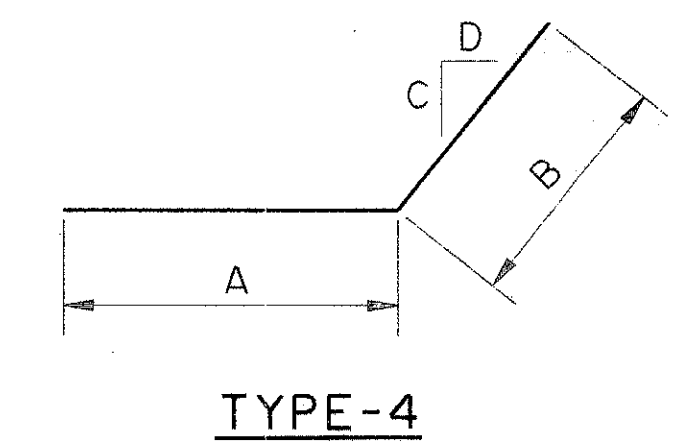
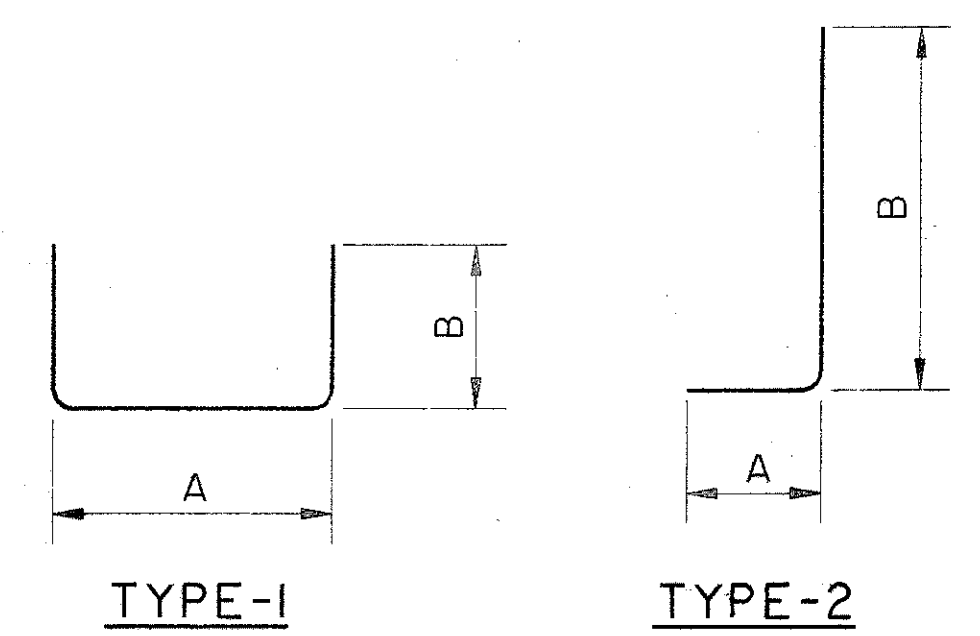
MARK	NO.	LENGTH	TYPE	SERIES INCR.	WEIGHT	A	B	C	D
REAR ABUTMENT									
RA501*	13	25'-3"	STR		342				
RA502*	13	23'-7"	STR		320				
RA503	12	5'-8"	STR		71				
RA504	12	10'-0"	STR		125				
RA505	8	5'-10"	STR		49				
RA506	4	17'-5"	STR		73				
RA507	4	16'-11"	STR		71				
RA601	132	4'-1"	STR		810				
RA602	50	9'-8"	6		726	2'-9"	11"	6'-4"	
RA603	50	5'-5"	STR		407				
RA604	45	4'-9"	13		321	1'-5"	1'-9"	1'-9"	
RA605	1	8"-0"	STR		12				
RA606	1	7'-0"	STR		11				
RA607	6	6'-4"	14		57	3'-2"	3'-2"		
RA608	12	15'-8"	STR		282				
RA609	12	5'-3"	4		95	2'-0"	3'-3"		
RA610	18	17'-2"	STR		464				
RA611	8	5'-10"	STR		70				
RA612	8	7'-8"	2		92	1'-9"	6'-1"		
RA613	4	12'-10"	1		77	1'-2"	6'-0"		
RA614	4	13'-10"	1		83	1'-2"	6'-6"		
RA615	8	6'-4"	STR		75				
RA616	8	8'-3"	2		99	1'-9"	6'-8"		
RA617	6	17'-5"	STR		157				
RA618	26	2'-10"	7		111	1'-2"	10"	10"	8 1/2"
RA619	8	3'-3"	2		39	1'-9"	1'-8"		
RA620	8	7'-0"	11		84	3'-0"	3'-3"	8 1/2"	
RA621	2 SERIES OF 9	5'-7" TO 4'-10"	2	1 1/8"	41	1'-9"	4'-0" TO 3'-3"		
RA622	2 SERIES OF 9	4'-8" TO 3'-11"	5	1 1/8"	116	4'-0" TO 3'-3"			
RA623	6	4'-10"	2		44	1'-9"	3'-3"		
RA624	6	5'-0"	STR		45				
RA625	6	9'-0"	17		81	2'-0"	5'-0"	2'-0"	
RA626	4	3'-4"	2		20	1'-9"	1'-9"		
RA627	6	16'-11"	STR		153				
D801	33	4'-11"	12		433	2'-7"	1'-5"		
TOTAL WEIGHT FOR REAR ABUTMENT					6157				
FORWARD ABUTMENT									
FA501*	13	25'-3"	STR		342				
FA502*	13	23'-7"	STR		320				
FA503	12	5'-8"	STR		71				
FA504	12	10'-0"	STR		125				
FA505	8	5'-10"	STR		49				
FA506	4	17'-5"	STR		73				
FA507	4	16'-11"	STR		71				

MARK	NO.	LENGTH	TYPE	SERIES INCR.	WEIGHT	A	B	C	D
FA601	132	4'-6"	STR		892				
FA602	50	9'-8"	6		726	2'-9"	11"	6'-4"	
FA603	50	5'-5"	STR		407				
FA604	45	4'-9"	13		321	1'-5"	1'-9"	1'-9"	
FA605	1	6"-6"	STR		10				
FA606	1	5'-6"	STR		8				
FA607	6	6'-4"	14		57	3'-2"	3'-2"		
FA608	12	15'-8"	STR		282				
FA609	12	5'-3"	4		95	2'-0"	3'-3"		
FA610	18	17'-2"	STR		464				
FA611	8	6'-2"	STR		74				
FA612	8	8'-0"	2		96	1'-9"	6'-5"		
FA613	4	12'-10"	1		77	1'-2"	6'-0"		
FA614	4	12'-6"	1		75	1'-2"	5'-10"		
FA615	8	6'-1"	STR		75				
FA616	8	7'-11"	2		95	1'-9"	6'-4"		
FA617	6	17'-5"	STR		157				
FA618	26	2'-10"	7		111	1'-2"	10"	10"	8 1/2"
FA619	8	3'-3"	2		39	1'-9"	1'-8"		
FA620	8	7'-0"	11		84				
FA621	2 SERIES OF 9	5'-7" TO 4'-10"	2	1 1/8"	41	1'-9"	4'-0" TO 3'-3"		
FA622	2 SERIES OF 9	4'-8" TO 3'-11"	5	1 1/8"	116	4'-0" TO 3'-3"			
FA623	6	4'-10"	2		44	1'-9"	3'-3"		
FA624	6	5'-0"	STR		45				
FA625	6	9'-0"	17		81	2'-0"	5'-0"	2'-0"	
FA626	4	3'-4"	2		20	1'-9"	1'-9"		
FA627	6	16'-11"	STR		153				
D801	33	4'-11"	12		433	2'-7"	1'-5"		
TOTAL WEIGHT FOR FORWARD ABUTMENT					6227				

NOTE: BARS DENOTED BY * ARE SPLICED USING MECHANICAL CONNECTORS

CALC. BY: _____ OHIO 77
 DATE: _____ F.H.W.A. 5
 CHK'D BY: _____ REGION 92
 DATE: _____

LAKE COUNTY
 LAK-90-17.42/25.15/27.76



NOTES:
 I. FOR NOTES SEE SHEET 38/52

THE OSBORN ENGINEERING COMPANY 37/52
 CONSULTING ENGINEERS
 CLEVELAND, OHIO 44114

**REINFORCING SCHEDULE
 REAR AND FORWARD ABUTMENT**
 BRIDGE NO. LAK-90-2515
 RIVER ROAD OVER I-90

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	OHIO
LYH	BFG		JRS	GA	2/94	REVISOR 6/17/94

File Name: F:\AQUA\2007\0185\STRUCT\0185S749
 Drawn By/Date: BFG / 02-17-94 (16:15)

RIVER ROAD