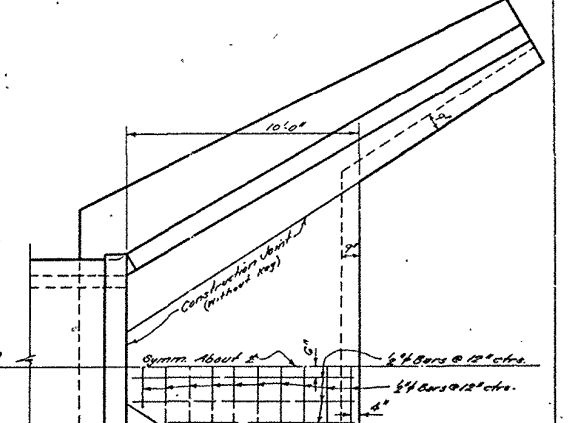
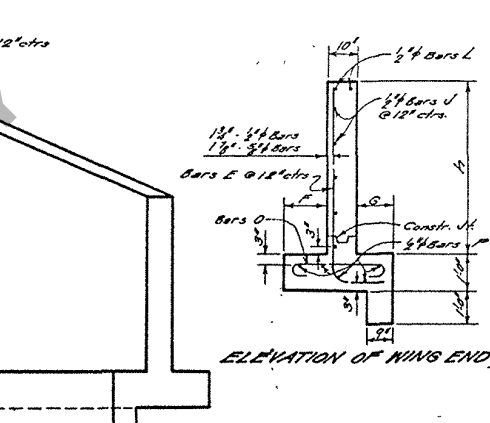
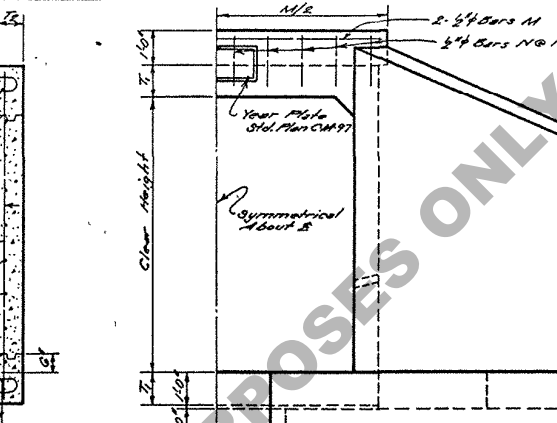
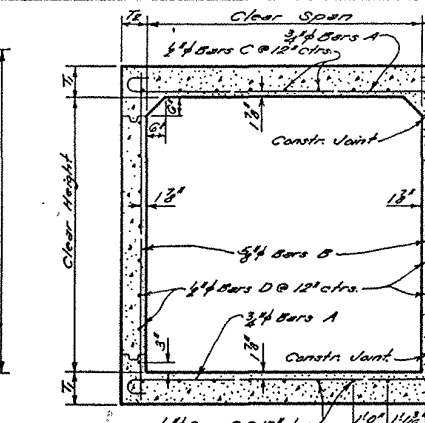
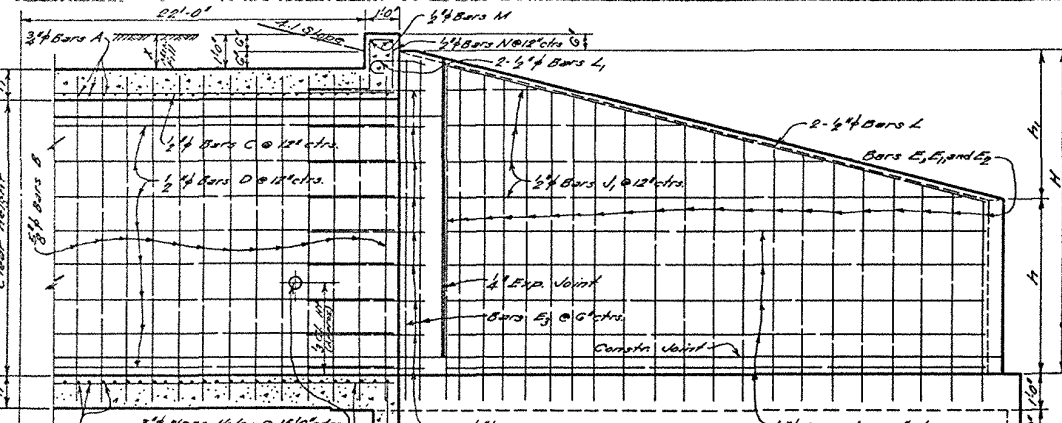
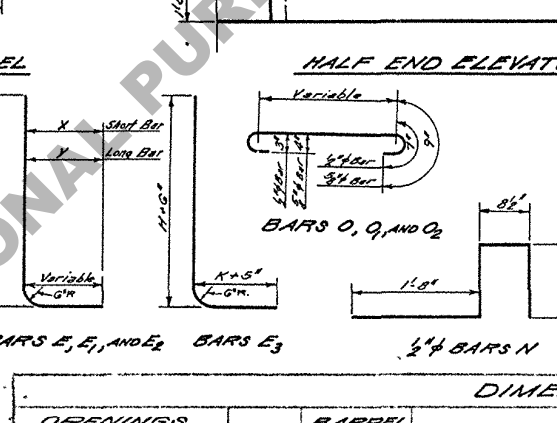
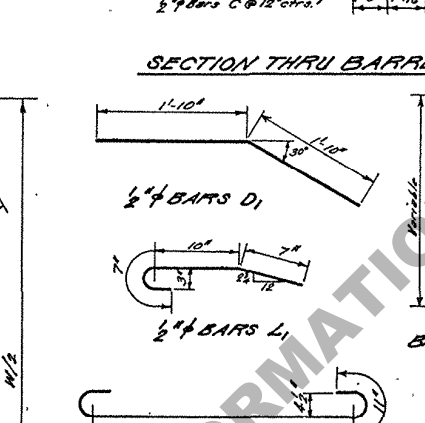


BILL OF STEEL FOR 44'0" CURVE

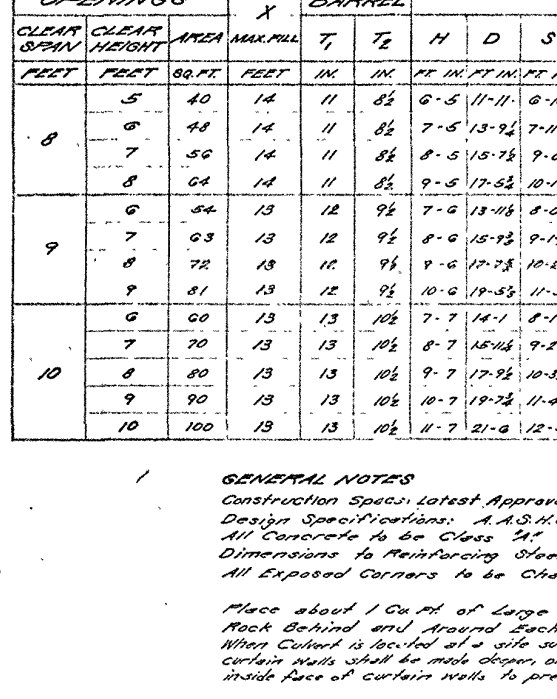
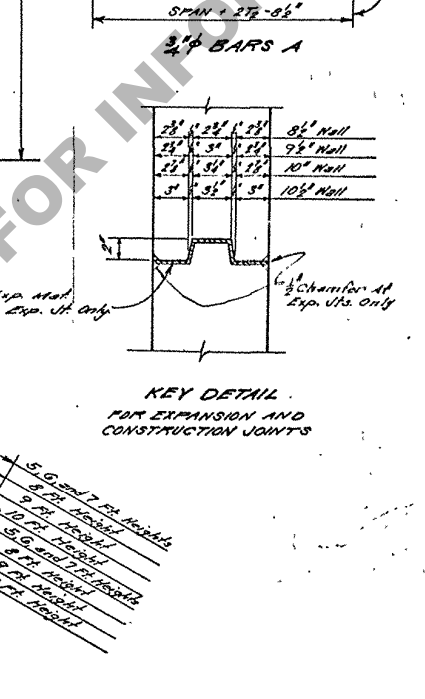
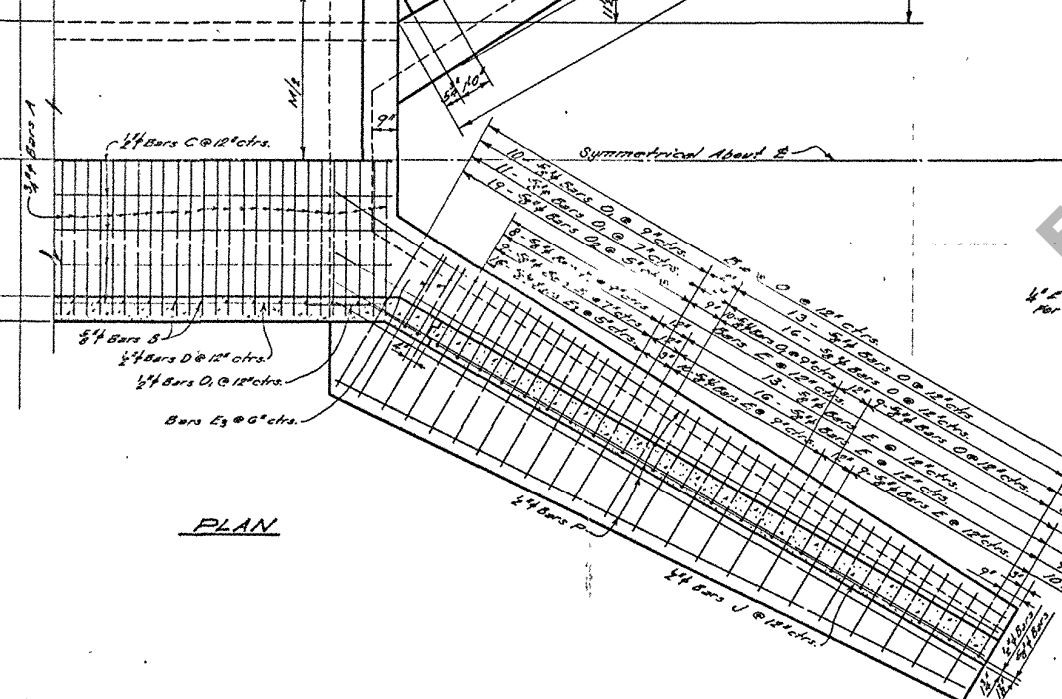
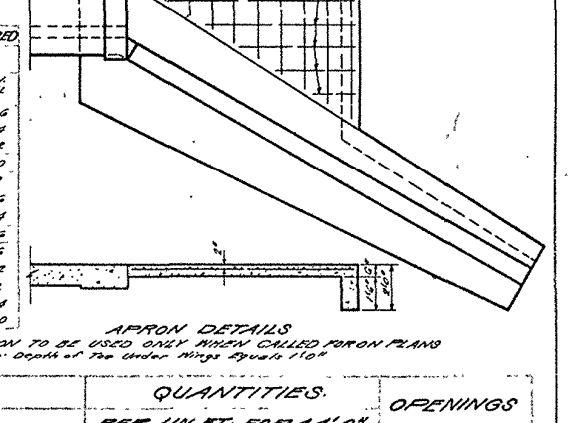
OPENINGS										WINGS AND CURBS REINFORCEMENT										OPENINGS									
BARREL REINFORCEMENT					BARS E					BARS E ₁					BARS E ₂					BARS E ₃					BARS E ₄				
NO.	LGTH.	SPC.	NO.	LGTH.	SPC.	NO.	LGTH.	SPC.	NO.	LGTH.	SPC.	NO.	LGTH.	SPC.	NO.	LGTH.	SPC.	NO.	LGTH.	SPC.	NO.	LGTH.	SPC.	NO.	LGTH.	SPC.	NO.	LGTH.	SPC.
1	10.0	12.0	1	10.0	12.0	1	10.0	12.0	1	10.0	12.0	1	10.0	12.0	1	10.0	12.0	1	10.0	12.0	1	10.0	12.0	1	10.0	12.0	1	10.0	12.0



SIZE	BAR	X	Y
8x5	E	1'-2 1/2"	1'-9 1/2"
8x6	E	1'-3 1/2"	1'-11 1/2"
8x7	E	1'-5 1/2"	2'-2 1/2"
8x8	E	1'-6 1/2"	2'-0 1/2"
8x9	E	1'-7 1/2"	2'-4 1/2"
8x10	E	1'-8 1/2"	2'-6 1/2"
8x11	E	1'-9 1/2"	2'-8 1/2"
8x12	E	1'-10 1/2"	2'-10 1/2"
8x13	E	1'-11 1/2"	2'-12 1/2"
8x14	E	1'-12 1/2"	2'-14 1/2"
8x15	E	1'-13 1/2"	2'-16 1/2"
8x16	E	1'-14 1/2"	2'-18 1/2"
8x17	E	1'-15 1/2"	2'-20 1/2"
8x18	E	1'-16 1/2"	2'-22 1/2"
8x19	E	1'-17 1/2"	2'-24 1/2"
8x20	E	1'-18 1/2"	2'-26 1/2"
8x21	E	1'-19 1/2"	2'-28 1/2"
8x22	E	1'-20 1/2"	2'-30 1/2"
8x23	E	1'-21 1/2"	2'-32 1/2"
8x24	E	1'-22 1/2"	2'-34 1/2"
8x25	E	1'-23 1/2"	2'-36 1/2"
8x26	E	1'-24 1/2"	2'-38 1/2"
8x27	E	1'-25 1/2"	2'-40 1/2"
8x28	E	1'-26 1/2"	2'-42 1/2"
8x29	E	1'-27 1/2"	2'-44 1/2"
8x30	E	1'-28 1/2"	2'-46 1/2"
8x31	E	1'-29 1/2"	2'-48 1/2"
8x32	E	1'-30 1/2"	2'-50 1/2"
8x33	E	1'-31 1/2"	2'-52 1/2"
8x34	E	1'-32 1/2"	2'-54 1/2"
8x35	E	1'-33 1/2"	2'-56 1/2"
8x36	E	1'-34 1/2"	2'-58 1/2"
8x37	E	1'-35 1/2"	2'-60 1/2"
8x38	E	1'-36 1/2"	2'-62 1/2"
8x39	E	1'-37 1/2"	2'-64 1/2"
8x40	E	1'-38 1/2"	2'-66 1/2"
8x41	E	1'-39 1/2"	2'-68 1/2"
8x42	E	1'-40 1/2"	2'-70 1/2"
8x43	E	1'-41 1/2"	2'-72 1/2"
8x44	E	1'-42 1/2"	2'-74 1/2"
8x45	E	1'-43 1/2"	2'-76 1/2"
8x46	E	1'-44 1/2"	2'-78 1/2"
8x47	E	1'-45 1/2"	2'-80 1/2"
8x48	E	1'-46 1/2"	2'-82 1/2"
8x49	E	1'-47 1/2"	2'-84 1/2"
8x50	E	1'-48 1/2"	2'-86 1/2"
8x51	E	1'-49 1/2"	2'-88 1/2"
8x52	E	1'-50 1/2"	2'-90 1/2"
8x53	E	1'-51 1/2"	2'-92 1/2"
8x54	E	1'-52 1/2"	2'-94 1/2"
8x55	E	1'-53 1/2"	2'-96 1/2"
8x56	E	1'-54 1/2"	2'-98 1/2"
8x57	E	1'-55 1/2"	2'-100 1/2"
8x58	E	1'-56 1/2"	2'-102 1/2"
8x59	E	1'-57 1/2"	2'-104 1/2"
8x60	E	1'-58 1/2"	2'-106 1/2"
8x61	E	1'-59 1/2"	2'-108 1/2"
8x62	E	1'-60 1/2"	2'-110 1/2"
8x63	E	1'-61 1/2"	2'-112 1/2"
8x64	E	1'-62 1/2"	2'-114 1/2"
8x65	E	1'-63 1/2"	2'-116 1/2"
8x66	E	1'-64 1/2"	2'-118 1/2"
8x67	E	1'-65 1/2"	2'-120 1/2"
8x68	E	1'-66 1/2"	2'-122 1/2"
8x69	E	1'-67 1/2"	2'-124 1/2"
8x70	E	1'-68 1/2"	2'-126 1/2"
8x71	E	1'-69 1/2"	2'-128 1/2"
8x72	E	1'-70 1/2"	2'-130 1/2"
8x73	E	1'-71 1/2"	2'-132 1/2"
8x74	E	1'-72 1/2"	2'-134 1/2"
8x75	E	1'-73 1/2"	2'-136 1/2"
8x76	E	1'-74 1/2"	2'-138 1/2"
8x77	E	1'-75 1/2"	2'-140 1/2"
8x78	E	1'-76 1/2"	2'-142 1/2"
8x79	E	1'-77 1/2"	2'-144 1/2"
8x80	E	1'-78 1/2"	2'-146 1/2"
8x81	E	1'-79 1/2"	2'-148 1/2"
8x82	E	1'-80 1/2"	2'-150 1/2"
8x83	E	1'-81 1/2"	2'-152 1/2"
8x84	E	1'-82 1/2"	2'-154 1/2"
8x85	E	1'-83 1/2"	2'-156 1/2"
8x86	E	1'-84 1/2"	2'-158 1/2"
8x87	E	1'-85 1/2"	2'-160 1/2"
8x88	E	1'-86 1/2"	2'-162 1/2"
8x89	E	1'-87 1/2"	2'-164 1/2"
8x90	E	1'-88 1/2"	2'-166 1/2"
8x91	E	1'-89 1/2"	2'-168 1/2"
8x92	E	1'-90 1/2"	2'-170 1/2"
8x93	E	1'-91 1/2"	2'-172 1/2"
8x94	E	1'-92 1/2"	2'-174 1/2"
8x95	E	1'-93 1/2"	2'-176 1/2"
8x96	E	1'-94 1/2"	2'-178 1/2"
8x97	E	1'-95 1/2"	2'-180 1/2"
8x98	E	1'-96 1/2"	2'-182 1/2"
8x99	E	1'-97 1/2"	2'-184 1/2"
8x100	E	1'-98 1/2"	2'-186 1/2"



OPENINGS	THICKNESS	WINGS AND CURBS	QUANTITIES	OPENINGS
FEET	FEET	FEET	FEET	FEET
5	40	11	8 1/2	6-5
6	48	11	8 1/2	7-5
7	56	11	8 1/2	8-5
8	64	11	8 1/2	9-5
9	72	11	8 1/2	10-5
10	80	11	8 1/2	11-5
11	88	11	8 1/2	12-5
12	96	11	8 1/2	13-5
13	104	11	8 1/2	14-5
14	112	11	8 1/2	15-5
15	120	11	8 1/2	16-5
16	128	11	8 1/2	17-5
17	136	11	8 1/2	18-5
18	144	11	8 1/2	19-5
19	152	11	8 1/2	20-5
20	160	11	8 1/2	21-5
21	168	11	8 1/2	22-5
22	176	11	8 1/2	23-5
23	184	11	8 1/2	24-5
24	192	11	8 1/2	25-5
25	200	11	8 1/2	26-5
26	208	11	8 1/2	27-5
27	216	11	8 1/2	28-5
28	224	11	8 1/2	29-5
29	232	11	8 1/2	30-5
30	240	11	8 1/2	31-5
31	248	11	8 1/2	32-5
32	256	11	8 1/2	33-5
33	264	11	8 1/2	34-5
34	272	11	8 1/2	35-5
35	280	11	8 1/2	36-5
36	288	11	8 1/2	37-5
37	296	11	8 1/2	38-5
38	304	11	8 1/2	39-5
39	312	11	8 1/2	40-5
40	320	11	8 1/2	41-5
41	328	11	8 1/2	42-5
42	336	11	8 1/2	43-5
43	344	11	8 1/2	44-5
44	352	11	8 1/2	45-5
45	360	11	8 1/2	46-5
46	368	11	8 1/2	47-5
47	376	11	8 1/2	48-5
48	384	11	8 1/2	49-5
49	392	11	8 1/2	50-5
50	400	11	8 1/2	51-5
51	408	11	8 1/2	52-5
52	416	11	8 1/2	53-5
53	424	11	8 1/2	54-5
54	432	11	8 1/2	55-5
55	440	11	8 1/2	56-5
56	448	11	8 1/2	57-5
57	456	11	8 1/2	58-5
58	464	11	8 1/2	59-5
59	472	11	8 1/2	60-5
60	480	11	8 1/2	61-5
61	488	11	8 1/2	62-5
62	496	11	8 1/2	63-5
63	504	11	8 1/2	64-5
64	512	11	8 1/2	65-5
65	520	11	8 1/2	66-5
66	528	11	8 1/2	67-5
67	536	11	8 1/2	68-5
68	544	11	8 1/2	69-5
69	552	11	8 1/2	70-5
70	560	11	8 1/2	71-5
71	568	11	8 1/2	72-5
72	576	11	8 1/2	73-5
73	584	11	8 1/2	74-5
74	592	11	8 1/2	75-5
75	600	11	8 1/2	76-5
76	608	11	8 1/2	77-5
77	616	11	8 1/2	78-5
78	624	11	8 1/2	79-5
79	632	11	8 1/2	80-5
80	640	11	8 1/2	81-5
81	648	11	8 1/2	82-5
82	656	11	8 1/2	83-5
83	664	11	8 1/2	84-5
84	672	11	8 1/2	85-5
85	680	11	8 1/2	86-5
86	688	11	8 1/2	87-5
87	696	11	8 1/2	88-5
88	704	11	8 1/2	89-5
89	712	11	8 1/2	90-5
90	720	11	8 1/2	91-5
91	728	11	8 1/2	92-5
92	736	11	8 1/2	93-5
93	744	11	8 1/2	94-5
94	752	11	8 1/2	95-5
95	760	11	8 1/2	96-5
96	768	11	8 1/2	97-5
97	776	11	8 1/2	98-5
98	784	11	8 1/2	99-5
99	792	11	8 1/2	100-5



WINGS AND CURBS																	
L		H		H ₁		E		W		M		F		G		C	
IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.
10 1/2	13-9	3-5 1/2	2-1 1/2	5 1/2	21-9	9-11	0-9	0-9	1								
10 3/8	15-10 1/2	3-11 1/2	3-5 1/2	5 1/2	23-10 1/2	9-11	0-11	0-9	1								
10 3/4	18-0 1/2	4-6 3/4	3-10 3/4	5 1/2	26-0 1/2	9-11	1-1	1-0	2								
10 7/8	20-2 1/2	5-0 1/2	4-4 1/2	5 1/2	28-2 1/2	9-11	1-3	1-1	2								
11 1/8	16-1	4-0 1/2	3-5 3/4	3 1/2	25-1	10-11	0-11	0-10	2								
11 1/4	18-2 1/2	4-6 5/8	3-1 1/2	3 1/2	27-2 1/2	10-11	1-1	1-0	2								
11 1/2	20-4 1/2	5-1 1/2	4-4 3/4	3 1/2	29-4 1/2	10-11	1-3	1-1	2								
11 3/4	22-6	5-7 1/2	4-10 1/2	3 1/2	31-6	10-11	1-5	1-2	2								
12 1/8	16-3 1/2	4-0 3/4	3-5 1/4	1 3/4	26-3	11-11	0-11	0-10	2								
12 1/4	18-4 1/2	4-7 1/2	3-10 3/4	1 3/4	28-4 1/2	11-11	1-1	1-0	2								
12 1/2	20-6 1/2	5-1 1/2	4-5 3/4	1 3/4	30-6 1/2	11-11	1-3	1-1	2								
12 3/4	22-8 1/2	5-8	4-11	1 3/4	32-8 1/2	11-11	1-5	1-2	2								
13	24-10	6-2 1/2	5-4 1/2	1 3/4	34-10	11-11	1-7	1-4	3								

ad La. Hwy. Dept. Std. Specs.
 O., 1941 H20- SIG Loading

1 are to Bar Centers.
 reinforced 3/4"

Size Gravel or Loose
 Wasp Holes
 Subject to scour, the
 rip rap placed around
 prevent scouring.

F-27-51		Bar Scale Added	
DATE		Gen. Notes & H20 No.	
REVISIONS		REVISIONS	