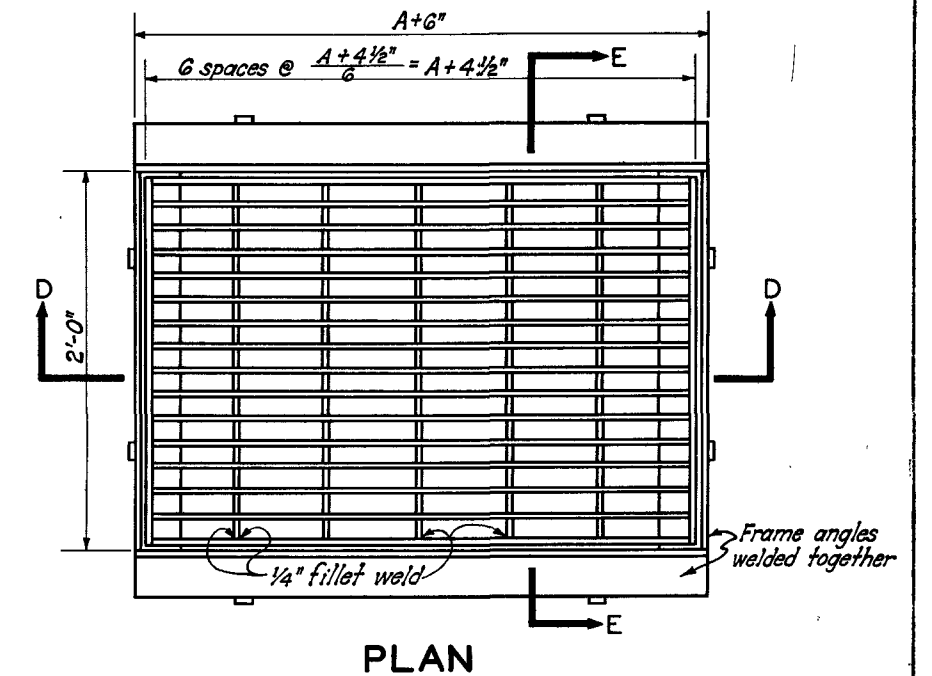
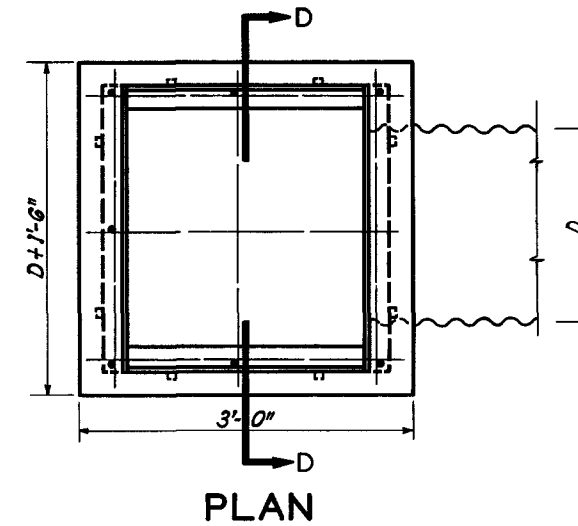
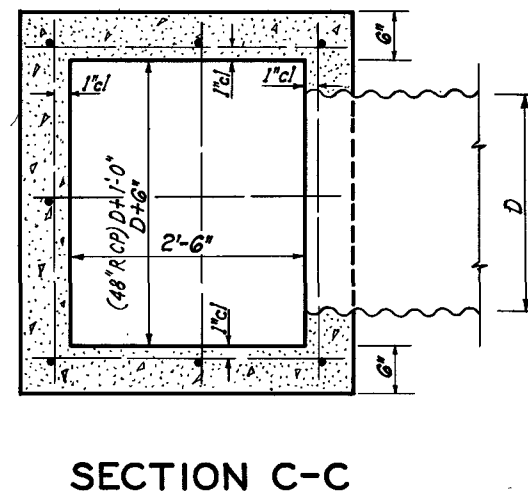
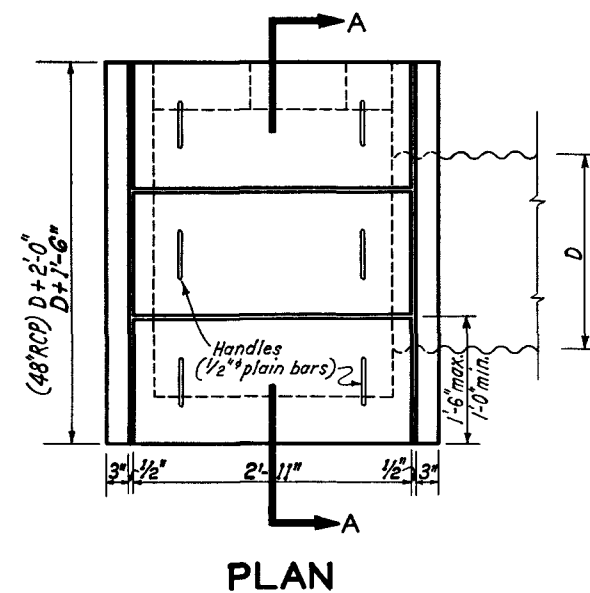


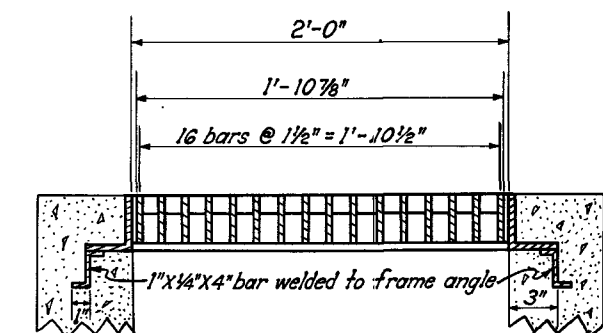


BILL OF MATERIALS

CMP Size	Concrete, cu. yd.		Reinforcing, lb.		RCP Size	Concrete, cu. yd.		Reinforcing, lb.	
	1 Opening	2 Openings	1 Opening	2 Openings		1 Opening	2 Openings	1 Opening	2 Openings
15"	0.67	0.63	57	54	15"	0.74	0.71	58	55
18"	0.76	0.73	59	57	18"	0.84	0.80	60	58
24"	0.95	0.91	70	67	24"	1.03	0.99	71	68
30"	1.14	1.11	82	79	30"	1.22	1.19	83	80
36"	1.35	1.31	88	86	36"	1.43	1.40	89	87
42"	1.57	1.53	96	94	42"	1.66	1.62	98	95
48"	1.80	1.76	120	117	48"	2.03	2.00	125	123

BILL OF MATERIALS

CMP size	Concrete cu. yd.	Reinf. lb.	A	RCP size	Concrete cu. yd.	Reinf. lb.	A	Main Bars inches	Frame Angles inches	Grate lb.	Frame lb.	Total lb.
18"	0.62	39	2'-0"	18"	0.68	40	2'-0"	2 1/2 x 3/8	3 x 3 x 3/8	140	67	207
24"	0.77	44	2'-6"	24"	0.84	45	2'-6"	3 x 3/8	3 1/2 x 3 x 3/8	197	82	279
30"	0.93	59	3'-0"	30"	0.99	60	3'-0"	3 1/2 x 3/8	4 x 3 x 3/8	264	96	360
36"	1.11	64	3'-6"	36"	1.17	65	3'-6"	4 x 3/8	4 1/2 x 3 x 3/8	341	113	454
42"	1.29	69	4'-0"	42"	1.35	70	4'-0"	4 x 3/8	4 1/2 x 3 x 3/8	382	122	504



STANDARD STRUCTURAL STEEL GRATE AND FRAME

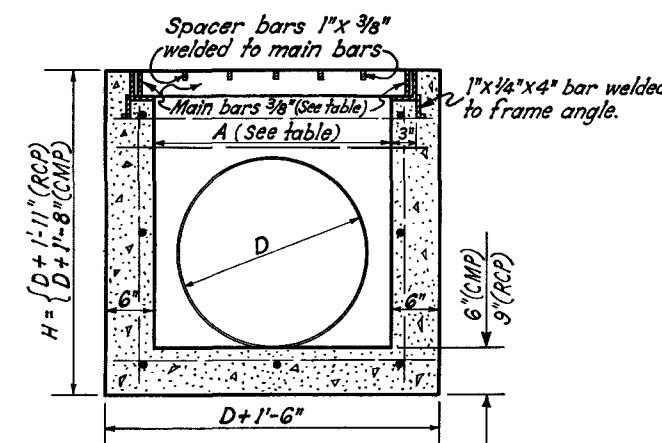
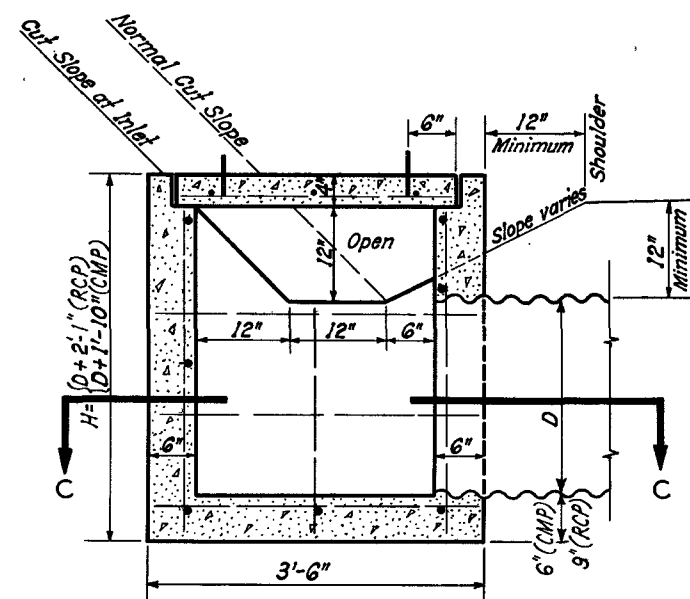
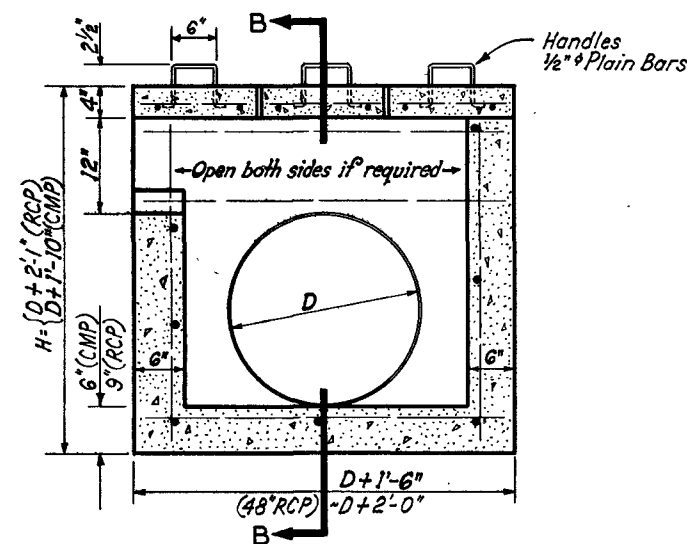
GENERAL NOTES

- 1-All concrete shall be Class A or AA.
- 2-Reinforcing Steel shall be No. 4 bars with maximum space at 18" centers, wired tightly at all intersections, and embedded at least one inch clear of concrete surface.
- 3-Exposed edges of concrete shall be chamfered by using one inch triangular moulding in forms.
- 4-Dimensions may be varied to fit local conditions if ordered by the Engineer.
- 5-Drop Inlet with Concrete Cover shall be known as TYPE 1. Drop Inlet with Standard Structural Steel Grate and Frame shall be known as TYPE 2.
- 6-Commercial prefabricated gratings approved by the Bridge Division may be used in lieu of the field-welded grating shown above.

STATE OF NEVADA
DEPARTMENT OF HIGHWAYS

STANDARD
TYPE 1 & 2 DROP INLETS

99



TYPE 1 DROP INLET

TYPE 2 DROP INLET

59333