

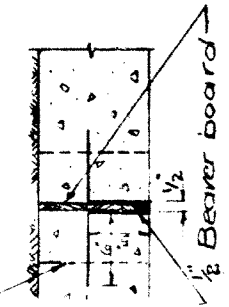
CULVERT FILE NO. 2177

BARRELL REINFORCING SCHEDULE

Mark	Size	Length	No. Spacing	Shape	Pacing	Weight
A21	3/4"	7'-0"	228	9"	Trans-Top & Bottom Slab	2390
B21	5/8"	14'-0"	228	9"	Trans-Top & Bottom Slab	3340
C21	1/2"	5'-6"	228	9"	Ins. face Vert. - Outside Wall	938
D21	1/2"	19'-0"	228	9"	Bottom Slab to Outside Wall	1370
E21	1/2"	19'-0"	228	9"	Outside Wall to Top Slab	1370
F21	1/2"	12'-0"	99	9"	Dowells - Bot. - Out. Wall	132
G21	1/2"	6'-0"	99	9"	Vert. - Interior Walls	396
H21	1/2"	25'-8"	66	15"	Long-Top & Bot. Slab	1130
J21	1/2"	25'-8"	10	15"	Long - Interior Walls	158
K21	1/2"	25'-8"	30	15"	Long - Exterior Walls	515
Total						10355

Plus Entrance Steel (see below) 1112
Total 11467

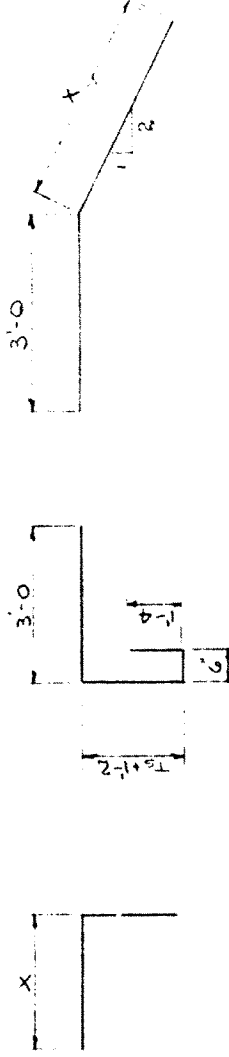
This dimension constant for all values of T_0
 Hold dam in place with wire ties to perforated legs



1 DAM IN EXTERIOR - AND TOP SLAB
 SECT. C-C

BOX ENTRANCE REINFORCING SCHEDULE FOR TWO ENDS

MARK	TYPE	NO	SIZE	LENGTH	WEIGHT	NO	SIZE	LENGTH	WEIGHT	NO	SIZE	LENGTH	WEIGHT
A1	STR	28	1/2"	6'-0"	95.82	28	1/2"	7'-8"	143.46	36	5/8"	8'-0"	300.90
A2	STR	26	1/2"	6'-0"	173.68	26	1/2"	12'-0"	224.56	28	5/8"	15'-0"	438.20
C1	B	16	1/2"	6'-0"	72.14	16	1/2"	6'-3"	81.8	16	5/8"	6'-3"	121.50
C2	STR	4	1/2"	6'-0"	17.36	4	1/2"	7'-8"	25.54	4	5/8"	8'-0"	33.44
WV1	A	12	1/2"	3'-0"	44.08	12	1/2"	3'-0"	44.08	12	5/8"	3'-0"	58.84
WV2	A	6	1/2"	3'-0"	37.40	12	1/2"	3'-0"	64.12	12	5/8"	3'-0"	87.62
WV3	A	8	1/2"	3'-0"	42.76	12	1/2"	3'-0"	68.14	12	5/8"	3'-0"	106.38
WV4	A									12	5/8"	3'-0"	155.16
WH1	STR	20	1/2"	10'-0"	135.60	20	1/2"	12'-0"	160.32	20	5/8"	15'-0"	312.90
WH2	STR	4	1/2"	8'-0"	21.38	4	1/2"	10'-0"	26.72	4	5/8"	15'-0"	54.24
WH3	STR	8	1/2"	6'-0"	32.06	8	1/2"	8'-0"	42.76	8	5/8"	11'-0"	91.78
WH4	STR	4	1/2"	6'-0"	16.04	4	1/2"	6'-0"	16.04	4	5/8"	9'-0"	37.54
WH5	STR									8	5/8"	7'-0"	58.40
WV10	STR	4	1/2"	2'-0"	6.68	4	1/2"	2'-6"	6.68	4	5/8"	2'-6"	10.44
WV11	STR	4	1/2"	4'-0"	10.68	4	1/2"	4'-0"	10.68	4	5/8"	4'-0"	16.58
WV12	STR	4	1/2"	5'-6"	14.70	4	1/2"	5'-6"	14.70	4	5/8"	5'-6"	22.94
WV13	STR									4	5/8"	7'-0"	29.20
WV14	C	8	3/4"	10'-8"	123.18	8	3/4"	10'-8"	123.18	8	5/8"	13'-2"	192.26
A1		22	1/2"	12'-8"	166.20	28	1/2"	14'-11"	278.65	36	5/8"	15'	575.41
A2		44	1/2"	10'-0"	243.12	52	1/2"	12'-0"	470.4	58	5/8"	15'	813.80
C1		28	1/2"	6'-0"	113.26	34	1/2"	6'-9"	143.32	34	5/8"	9'	216.00
C2		4	1/2"	12'-8"	33.84	4	1/2"	14'-11"	59.02	4	5/8"	15'	64.15
Total for 1 cell										1074	2108		
Total for 2 cells										1112	2884		



TYPE A TYPE B TYPE C
 BAR TYPES

NOTE: Approximate steel weight = 110 lb per sq. ft. of concrete.
 Double 5/8" x 5/8" x 78" Top Deck SKewed.
 Refer to Dwg. 1025-P

GENERAL DETAILS OF STANDARD CONCRETE

Box Culverts



GOVERNMENT OF THE PROVINCE OF ALBERTA
 DEPARTMENT OF HIGHWAYS
 BRIDGE BRANCH, EDMONTON

DESCRIPTION _____ BY _____
 FILE NO. 2177
 LOCATION SE 36-48-15-4
 SCALE _____ SHEET 3 OF 3
 DRAWING NO. S-536-21