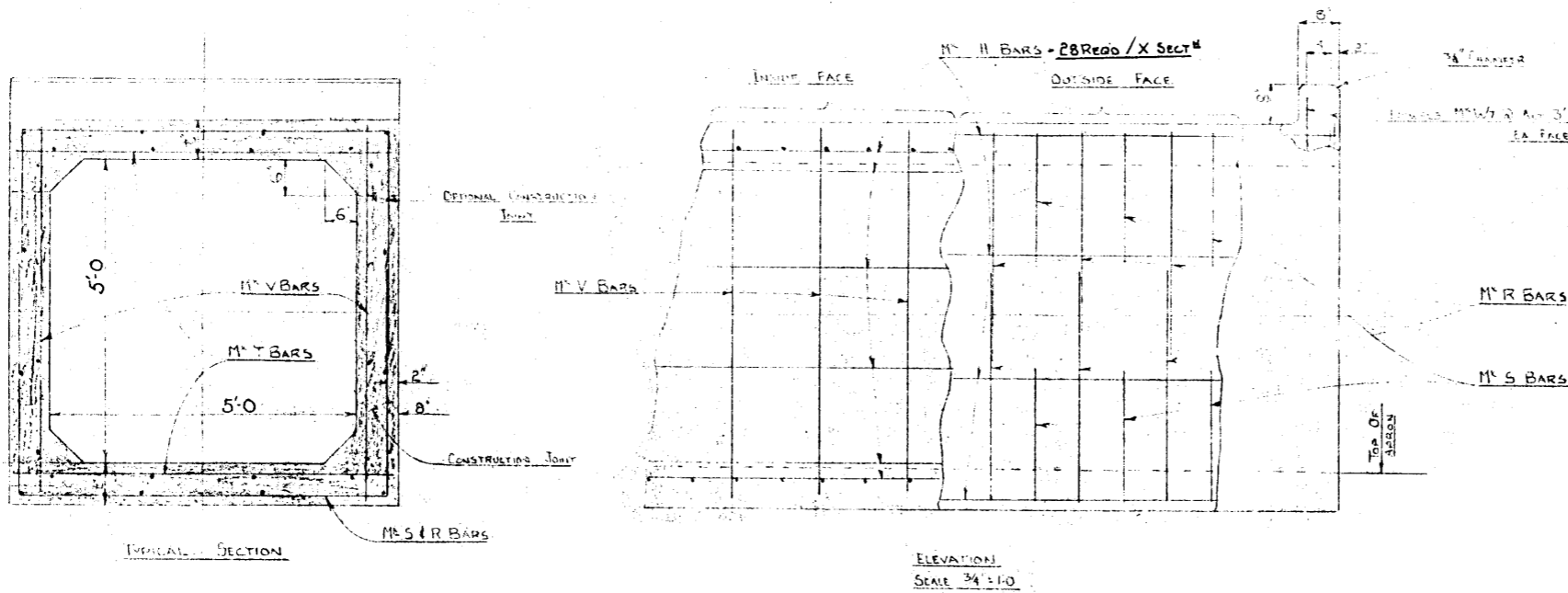


DESIGNED BY _____ DATE _____
 CHECKED BY _____ DATE _____



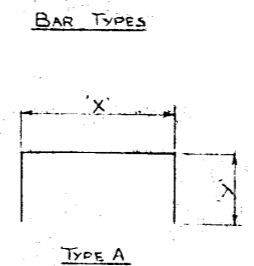
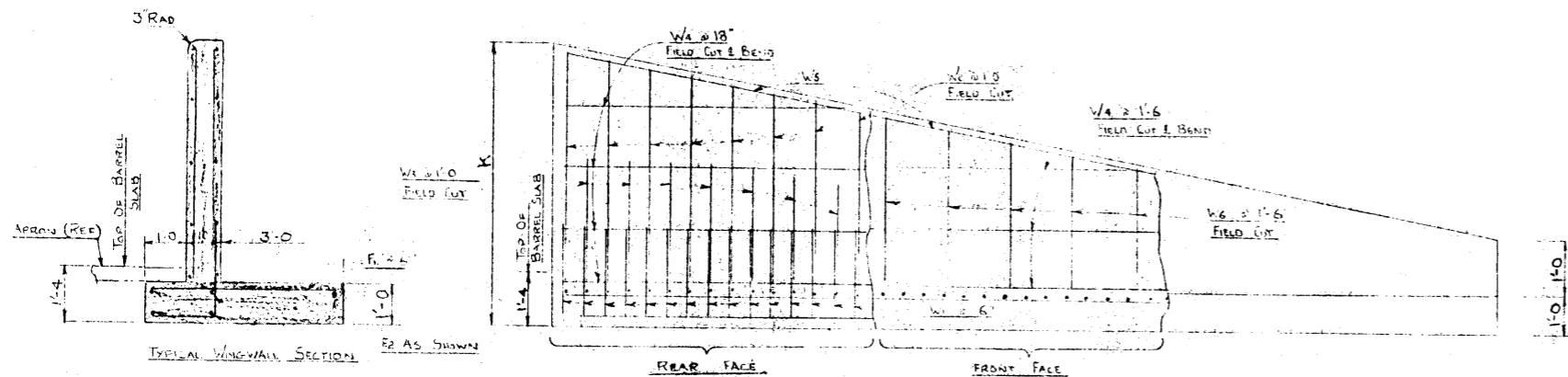
BARREL BAR LIST (SINGLE CELL ONLY)

M#	Nº REOD	SIZE	TYPE	DIM" X	DIM" Y	SPACING	LENGTH	WEIGHT
R	5	A	A	5'-11"	3'-9"	1'-5"	13'-5"	
S	5	A	A	5'-11"	2'-2"	1'-5"	10'-3"	
T	5	STR				8"	6'-0"	
V	4	STR				1'-5"	6'-0"	
H	4	STR				As Shown		
MAX COVER 2" - 8"								
R	5	A	A	5'-11"	3'-9"	1'-3"	13'-5"	
S	5	A	A	5'-11"	2'-2"	1'-3"	10'-3"	
T	6	STR				7"	6'-0"	
V	4	STR				1'-3"	6'-0"	
H	4	STR				As Shown		
MAX COVER 2" - 8"								
R	5	A	A	5'-11"	3'-11"	10"	13'-9"	
S	5	A	A	5'-11"	2'-4"	10"	10'-7"	
T	6	STR				5"	6'-0"	
V	4	STR				1'-8"	6'-0"	
H	4	STR				As Shown		
MAX COVER 2" - 10"								

WINGWALL BAR LIST (ALL 5 X 5 CULVERTS)

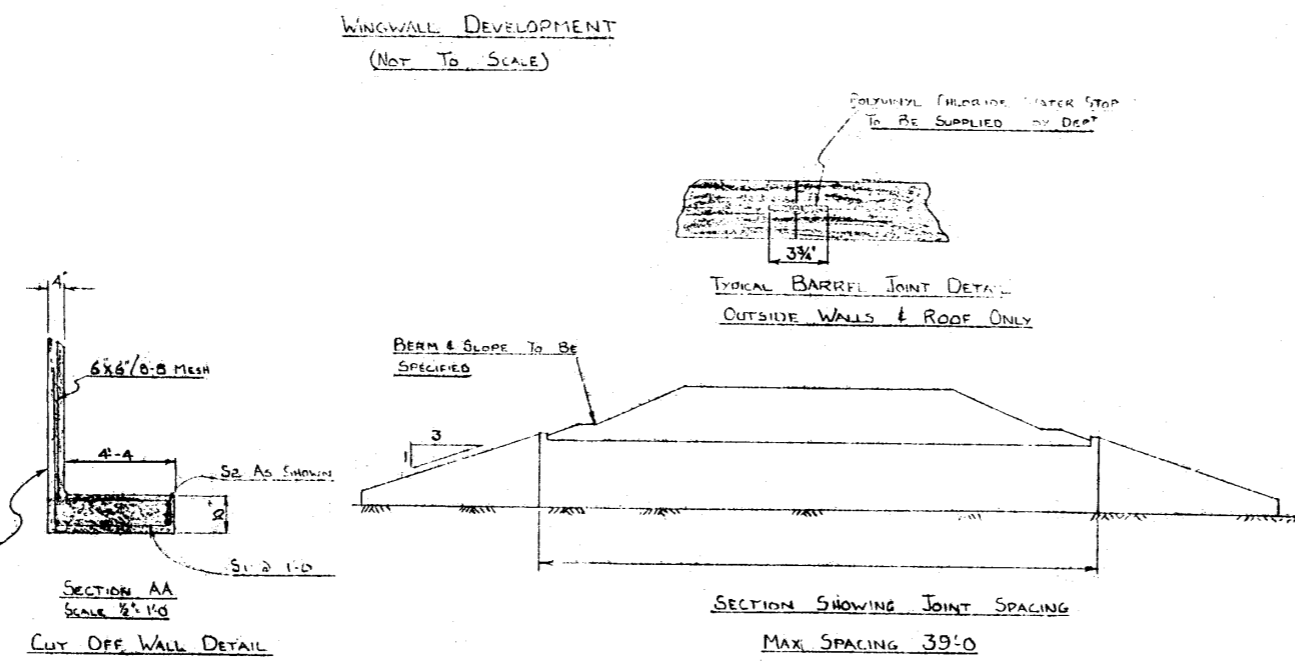
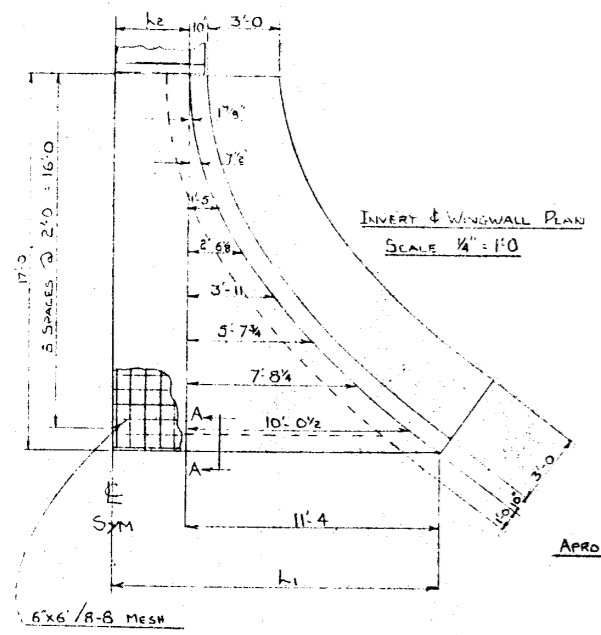
Note - QUANTITIES ROUNDED UP. ARE SUFFICIENT FOR A WALL AND APRON.

M#	Nº REOD	SIZE	TYPE	LENGTH	WEIGHT	REMARKS
W1	172	5	B	4'-0"	718	FIELD CUT WALLS NECESSARY
W2	16	5	STR	20'-0"	334	MAX L 6'-4" MIN L 2'-2" : 68 REOD
W3	10	5		20'-0"	209	MAX L 3'-4" MIN L 2'-2" : 160 REOD
W4	24	4		21'-9"	337	MAX L 2'-0" MIN L 7'-8" : 32 REOD
W5	8	4		21'-9"	116	
W6	12	4		20'-0"	160	MAX L 6'-4" MIN L 10" : 60 REOD
F1	172	5		4'-6"	807	
F2	20	4	STR	21'-0"	281	
					TOTAL	2,962 LBS



APRON & HEADWALL BAR LIST (ALL 5 X 5 CULVERTS)

Nº OF CELLS	M#	Nº REOD	SIZE	TYPE	LENGTH	WEIGHT	TOTAL WEIGHT
1	W1	8	4	STR	11'-0"	5	696
	S1	50	4	C	10'-9"	360	
	S2	16	4	STR	13'-0"	139	
	MESH			6X6/8-8	640 sq ft	192	
2	W1	16	4	STR	11'-0"	11	890
	S1	60	4	C	10'-9"	432	
	S2	16	4	STR	16'-0"	171	
	MESH			6X6/8-8	920 sq ft	276	
3	W1	24	4	STR	11'-0"	16	1083
	S1	72	4	C	10'-9"	518	
	S2	16	4	STR	18'-6"	198	
	MESH			6X6/8-8	1170 sq ft	351	



APRON & WINGWALL DIM'S (ALL 5 X 5 CULVERTS)

Nº OF CELLS	DIMENSIONS	CONCRETE (CU YD)
	t' L1 L2 K	BARREL/AE EMB SHOOT
1	8' 13'-10" 2'-6" 7'-8"	0.578
	10' 13'-10" 2'-6" 7'-10"	0.656
2	8' 16'-8" 5'-4" 7'-8"	1.000
	10' 16'-8" 5'-4" 7'-10"	1.118
3	8' 19'-6" 8'-0" 7'-8"	1.444
	10' 19'-6" 8'-0" 7'-10"	1.582

NOTES

1. BAR DIMENSIONS OUT TO OUT
2. BAR COVER 2"

REVISIONS

NO.	DATE	DESCRIPTION	BY
1	June 15/54	Type C Bar Length Changed	D.G.L.

SUPERSEDED
 BY 5-594 JULY 19, 1957

SINGLE CELL 5 X 5 CULVERTS & WING DETAILS

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

FILE NO. _____ HWY. NO. _____ DWG. NO. **5594**
 LOCATION _____ SCALE _____
 STREAM _____ SHEET _____ OF _____