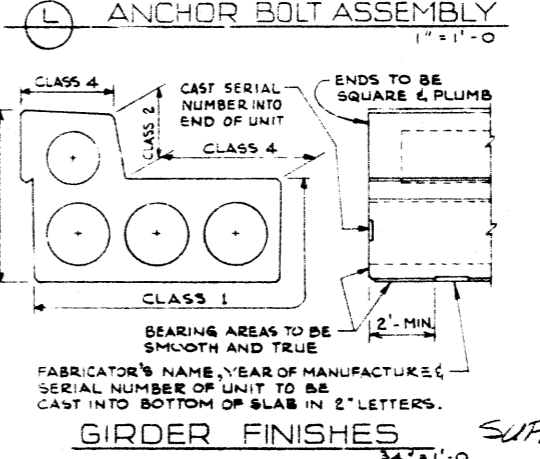
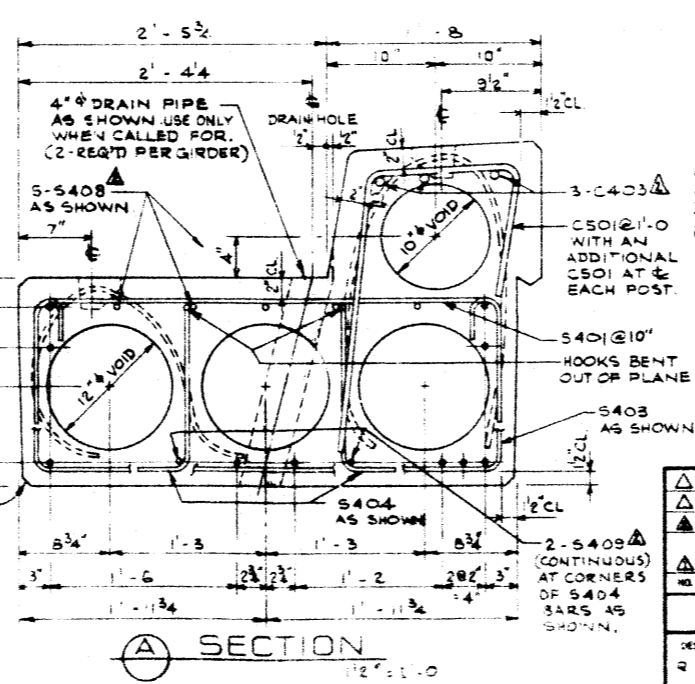
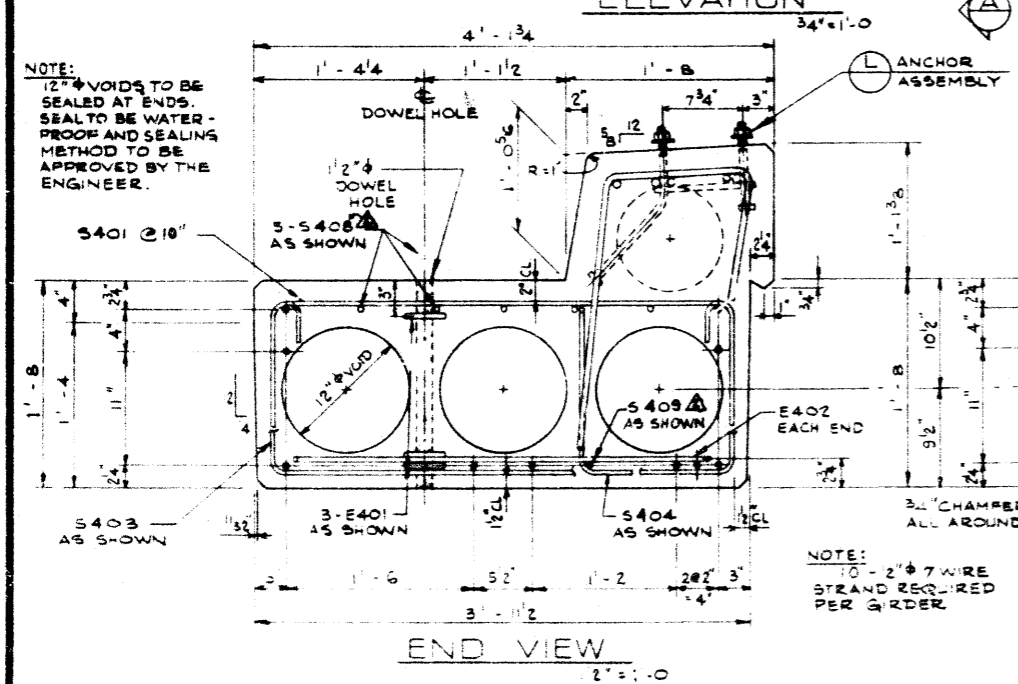
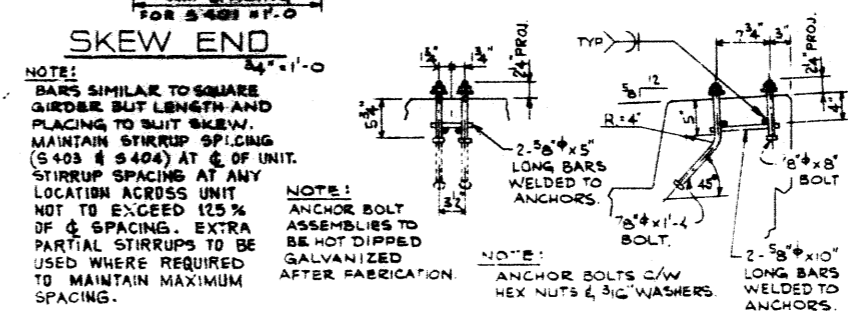
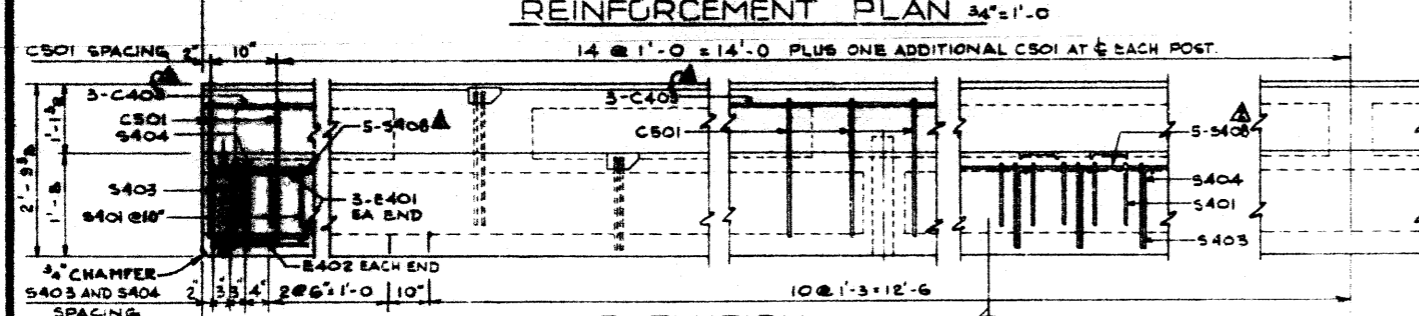
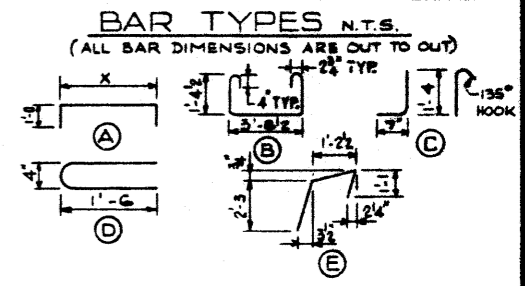
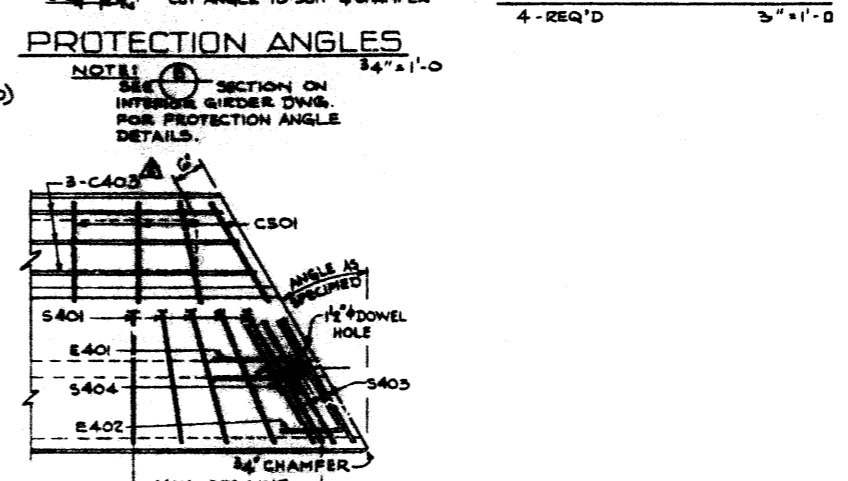
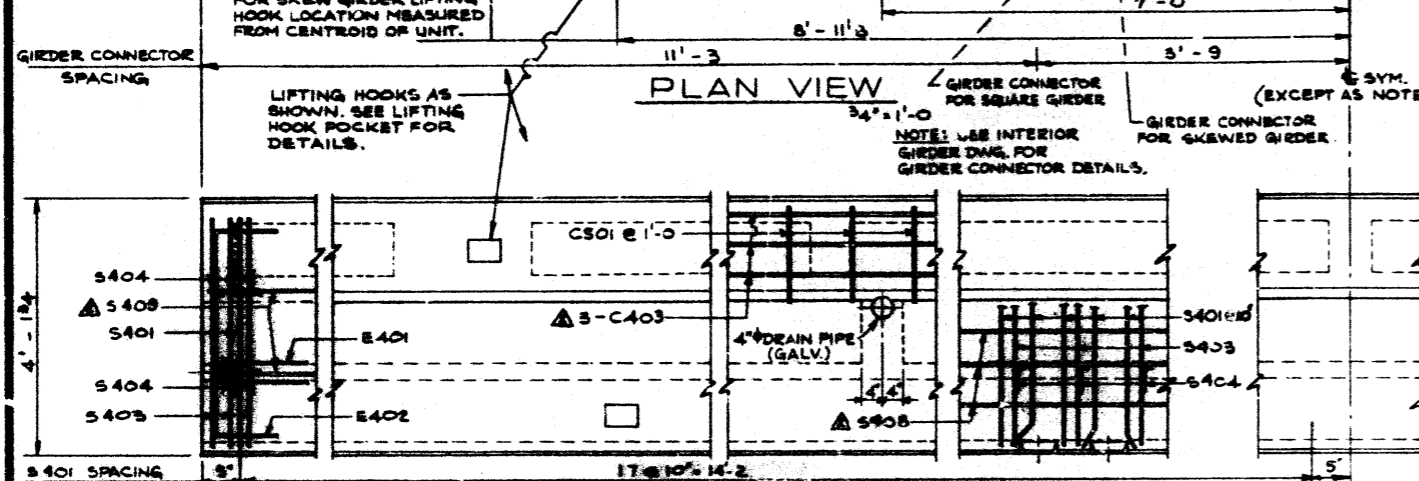


BAR LIST: FOR UNSKEWED GIRDERS

MARK	SIZE	NO.	TYPE	X	Y	LENGTH	WEIGHT
S 401	8	36	A	3'-0"		8'-0	185
S 403	4	5	STR.			29'-8	30
S 404	4	60	B			7'-4	182
S 404	4	60	C			2'-4	54
S 409	4	2	STR.			29'-4	30
E 401	4	6	D			3'-4	13
S 402	4	2	A	3'-4		5'-4	7
C 403	4	3	STR.			29'-8	59
C 501	5	35	E			4'-7	167

TOTAL LBS: 760



GENERAL NOTES

DESIGN:

- A.A.S.H.O. 1973 SPECIFICATION EXCEPT AS MODIFIED BELOW.
- ALLOWABLE TENSION AT 80% MODULUS OF RUPTURE.
- NO TENSION IN DECK SURFACE.
- WEB REINFORCEMENT - ACCORDING TO A.C.I. 318-71 BUT NOT LESS THAN A.A.S.H.O. MINIMUM.
- LOADING LIVE LOAD - A.A.S.H.O. HS-20-44 ONE WHEEL LINE PER GIRDER
- DEAD LOAD - GIRDER = 0.663 KPS/FT. WEARING SURFACE = 0.063 KPS/FT.

MATERIALS:

- CONCRETE IN GIRDER SHALL BE MADE OF LIGHTWEIGHT COARSE AGGREGATE AND SAND FINES.
- CONCRETE 28 DAY STRENGTH 5,000 PSI.
- RELEASE STRENGTH 4,000 PSI.
- UNIT WEIGHT OF SEMI-LIGHTWEIGHT CONCRETE 120 LB./CU. FT.
- PRESTRESSING STEEL SHALL BE 1/2" DIA METER - 7 WIRE 270 K STRAND.

FABRICATION:

- GIRDERS SHALL CONFORM TO THE REQUIREMENTS OF THE ALBERTA BRIDGE BRANCH SPECIFICATION FOR THE MANUFACTURE OF PRESTRESSED CONCRETE BRIDGE UNITS.
- FORCE IN PRESTRESSING STEEL: INITIAL TENSIONING LOAD = 28.73 K/STRAND DESIGN LOAD AFTER LOSSES = 23.01 K/STRAND
- CURBS TO BE CAST MONOLITHICALLY WITH GIRDER.
- ANCHOR BOLT ASSEMBLIES SHALL BE CAST IN GIRDER AT SPACINGS AS SHOWN.
- BEND OR SHIFT REINFORCING WHERE REQUIRED TO CLEAR GIRDER CONNECTORS, LIFTING HOOK, & ANCHOR BOLT ASSEMBLIES. STIRRUP SPACING TO BE MAINTAINED.

SECTION:

SUPERSEDED

REVISIONS

APPROVED

Alberta HIGHWAYS AND TRANSPORT BRIDGE BRANCH

30 FT. TYPE VS-20 CURB GIRDER SEMI-LIGHTWT. CONCRETE

DESIGNED: R & Q DRAWN BY: VGB DATE: FEB/74 CHECKED BY: DATE: JUN 21, 1974

SHEET: 2 OF 2

DWG. NO.: S-1206-74