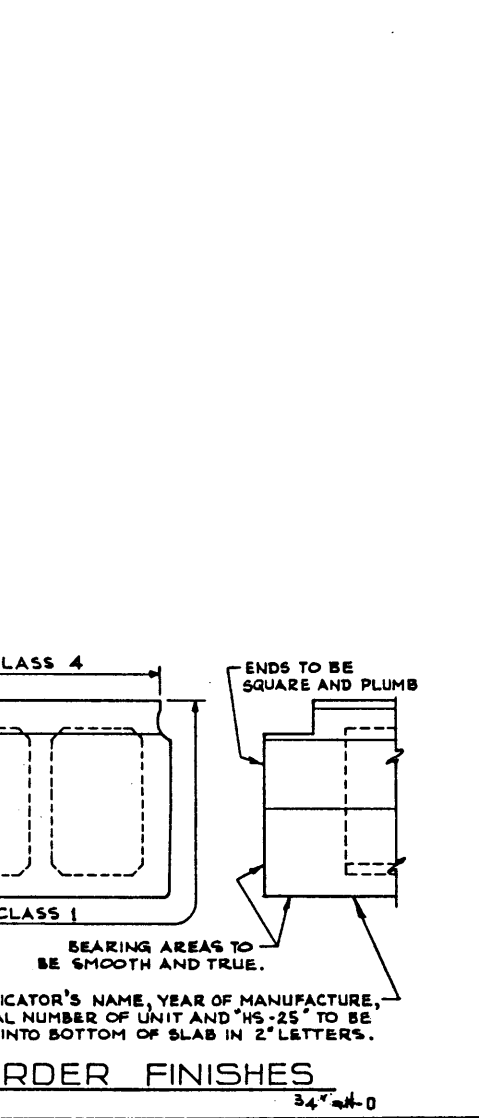
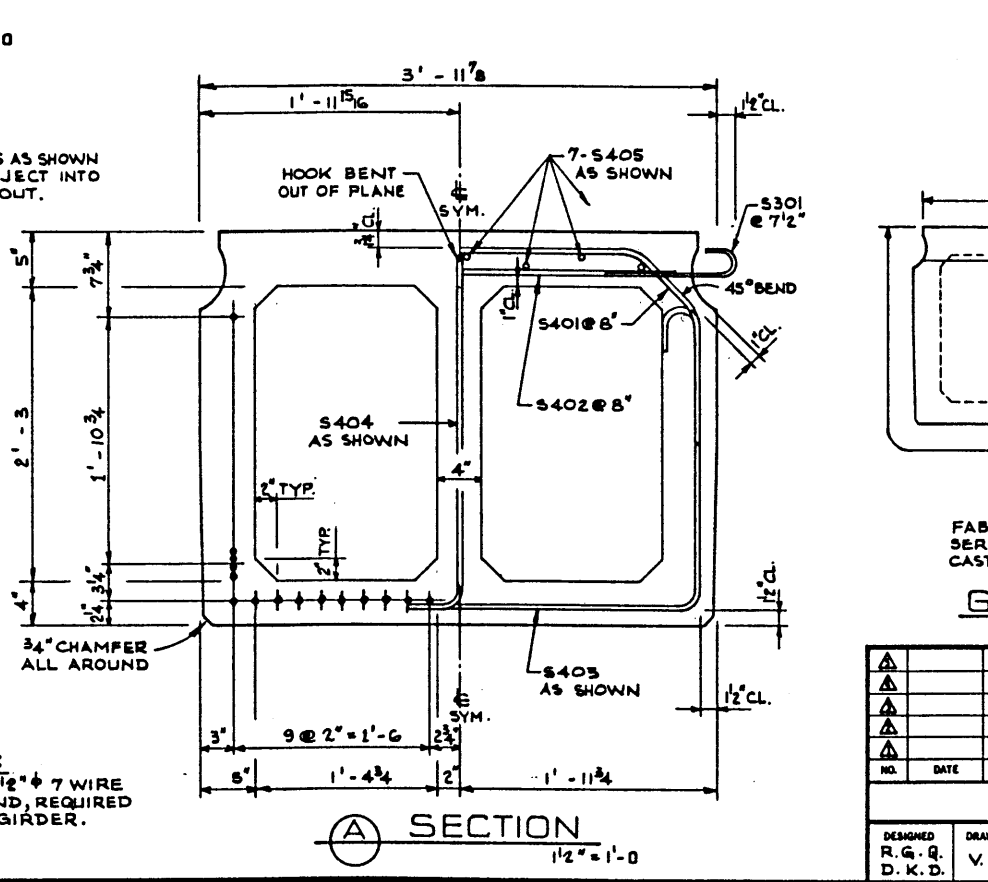
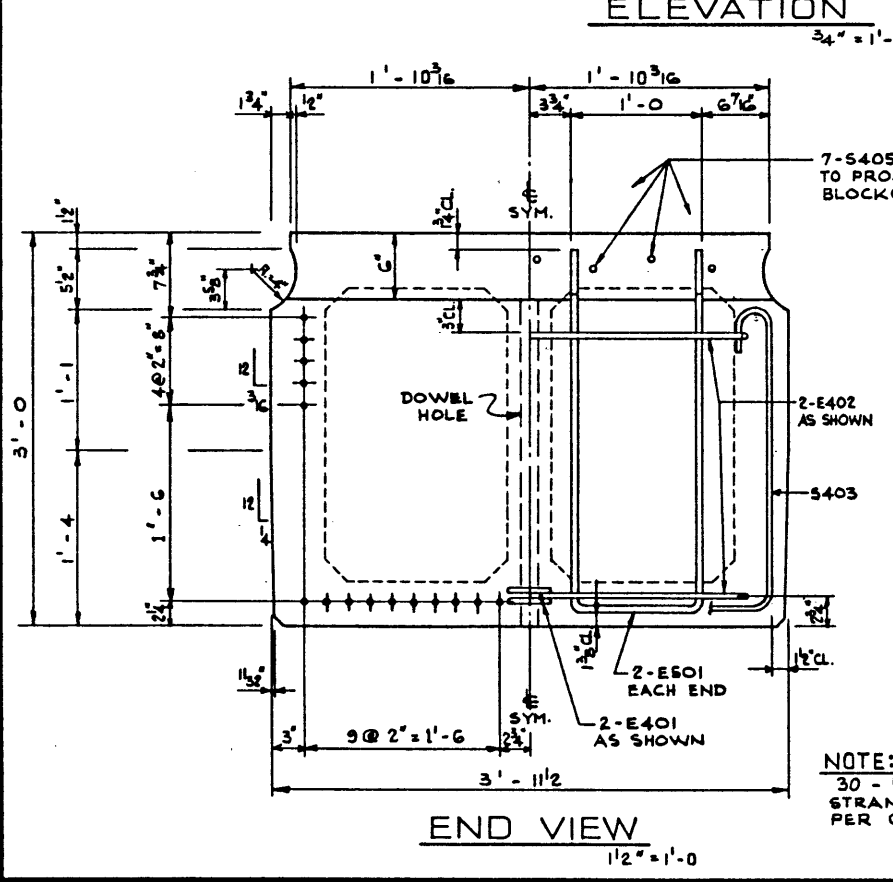
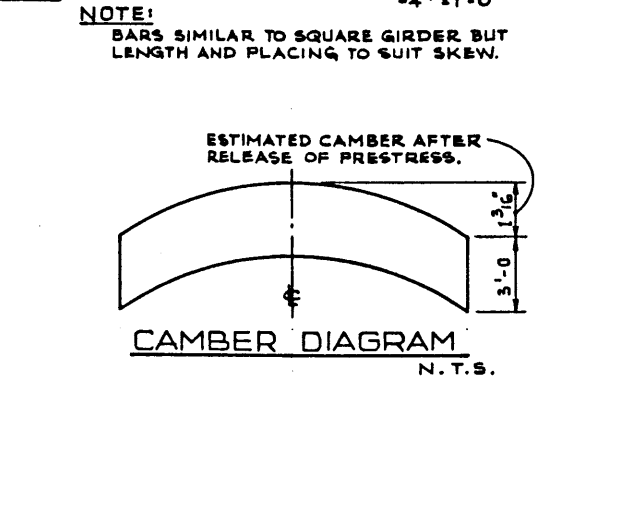
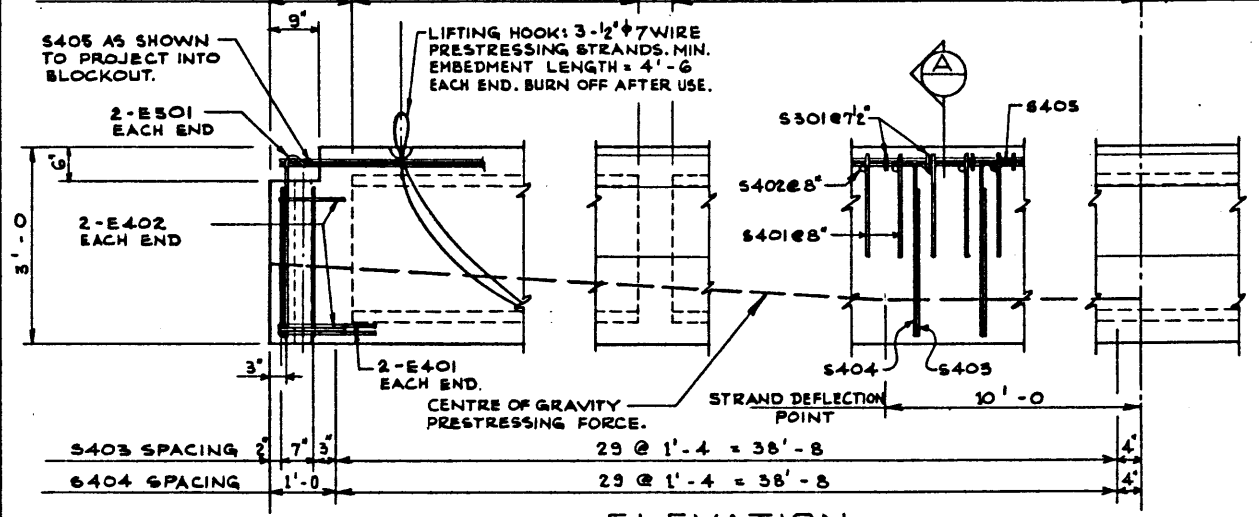


BAR LIST: FOR UNSKEWED GIRDER							
MARK	SIZE	NO.	TYPE	X	Y	LENGTH	WEIGHT
S 301	3	252	A			1'-5	134
S 401	4	118	B			6'-2	486
S 402	4	118	STR.			3'-4	263
S 403	4	64	C			9'-3	395
S 404	4	60	D			3'-6	140
S 405	4	14	STR.			40'-4	377
E 501	5	4	E			7'-4	31
E 401	4	4	F			3'-4	9
E 402	4	4	G			5'-4	14
TOTAL LBS: 1,849							



- ### GENERAL NOTES
- DESIGN:
- A.A.S.H.O. 1973 SPECIFICATION EXCEPT AS MODIFIED BELOW.
  - ALLOWABLE TENSION AT 1/2 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-25-44
  - 0.70 WHEEL LINE PER GIRDER
  - DEAD LOAD - GIRDER = 0.73 KPS/FT.
  - WEARING SURFACE = 0.10 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" DIAMETER - 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 = 19.67 K/STRAND
- ERECTION:
- LIFTING FORCE AT EACH HOOK SHALL NOT EXCEED 35° FROM THE VERTICAL. GIRDER SURFACE MUST BE LEVEL AT ALL TIMES.
  - CALCULATED WEIGHT OF ONE GIRDER IS 57,630 LBS.

REVISIONS				APPROVED		HIGHWAYS AND TRANSPORT BRIDGE BRANCH	
NO.	DATE	DESCRIPTION	BY	[Signature]		80 FT. TYPE RD-36 INTERIOR GIRDER SEMI-LIGHTWT. CONCRETE	
DESIGNED	DRAWN BY	DATE	CHECKED BY	DATE	STREAM	LOCATION	HWY. NO.
R.G.G.	V.G.B.	AUG. -74					SCALE
D.K.D.							FILE NO.
							SHEET
							DWG. NO.
							5-1243