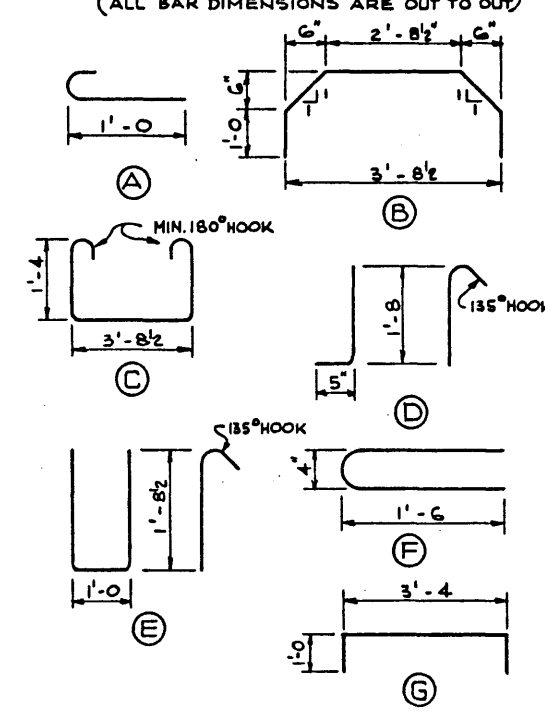


BAR TYPES N.T.S.
(ALL BAR DIMENSIONS ARE OUT TO OUT)



BAR LIST: FOR UNSKEWED GIRDER							
MARK	SIZE	NO.	TYPE	X	Y	LENGTH	WEIGHT
S 301	3	124	A			1'-5	66
S 401	4	58	B			6'-2	239
S 402	4	58	STR			3'-4	129
S 403	4	34	C			7'-3	165
S 404	4	30	D			2'-6	50
S 405	4	7	STR			39'-8	185
E 501	5	4	E			5'-4	22
E 401	4	4	F			3'-4	9
E 402	4	4	G			5'-4	14
TOTAL LBS:							882
Δ							879

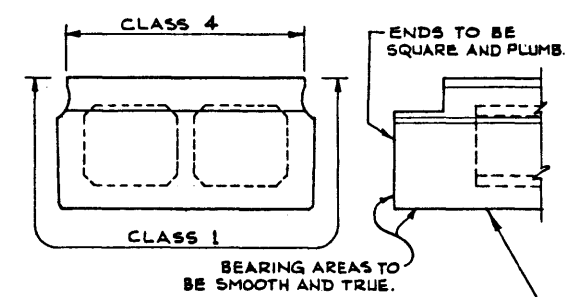
GENERAL NOTES

- 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-25-44
0.70 WHEEL LINE PER GIRDER
DEAD LOAD - GIRDER = 0.56 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 5000 PSI.
 - RELEASE STRENGTH 4000 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 = 28.75 K/STRAND
DESIGN LOAD AFTER LOSSES = 21.48 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 22,420 LBS.



GIRDER FINISHES
34'-1" = 1'-0"

APPROVED		HIGHWAYS AND TRANSPORT BRIDGE BRANCH	
 CHIEF BRIDGE ENGINEER DATE JAN 8 1976		40 FT. TYPE RD-24 INTERIOR GIRDER SEMI-LIGHTWT. CONCRETE	
REVISIONS			
DESIGNED	DRAWN BY	DATE	CHECKED BY
R.G.Q.	V.G.B.	MAY 74	
D.K.D.			
NO.	DATE	DESCRIPTION	BY
DESIGNED	DRAWN BY	DATE	CHECKED BY
R.G.Q.	V.G.B.	MAY 74	
D.K.D.			
STREAM	LOCATION	HWY. NO.	SCALE
			SHOWN
FILE NO.	SHEET	DWG. NO.	
		5-1215	