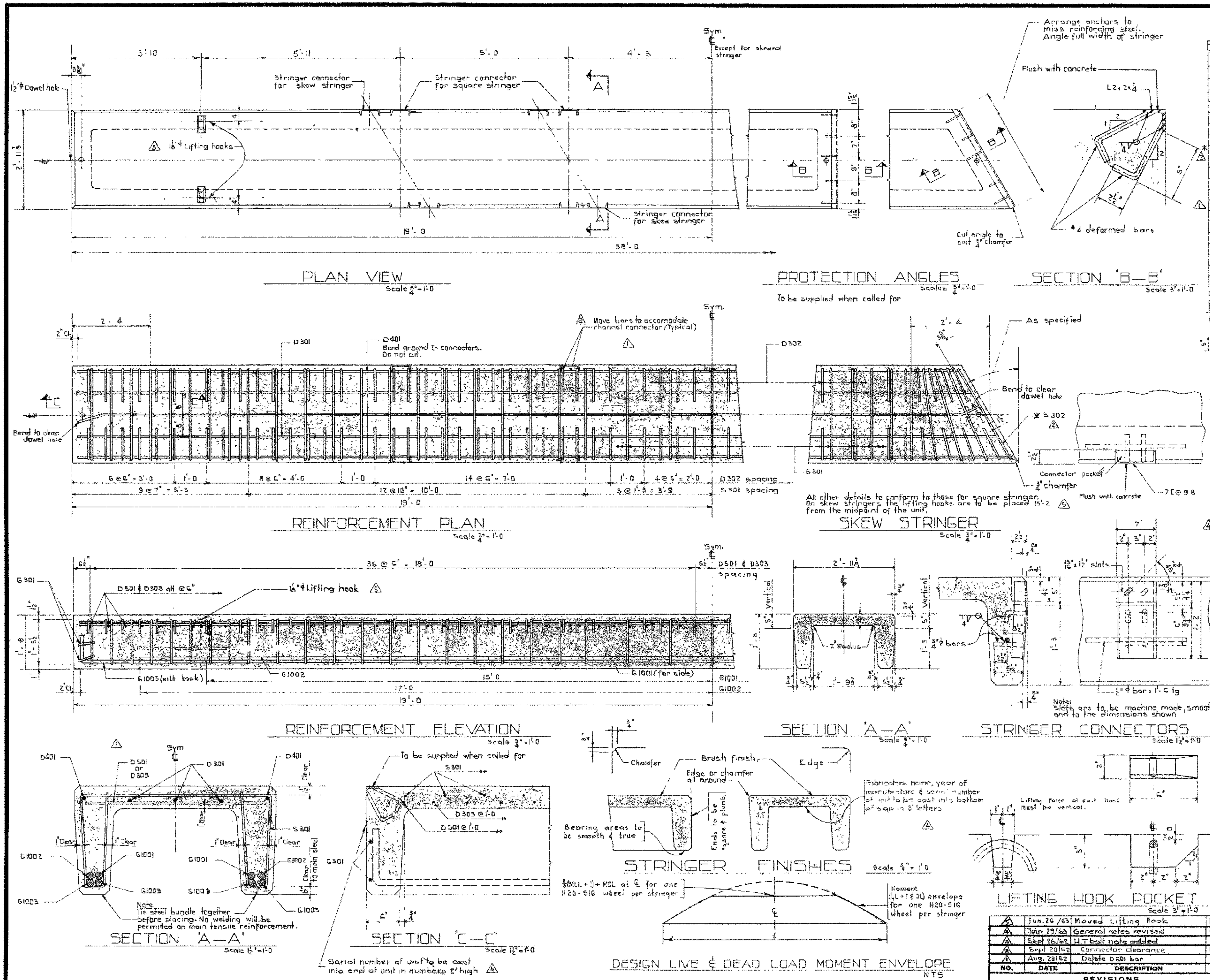


BAR LIST

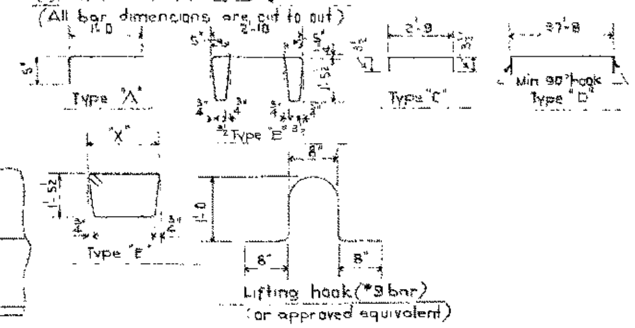
MARK	SIZE	NO	TYPE	"X"	LENGTH	WEIGHT
D 301	3	3	Str.		37' - 8	42 #
D 302	3	136	"A"		1' - 5	72 #
D 303	3	37	Str		2' - 8	37 #
S 301	3	47	"B"		9' - 4	165 #
G 301	3	4	"C"		3' - 4	5 #
D 401	4	2	Str		37' - 8	50 #
D 501	5	38	Str.		2' - 8	106 #
S 302	3	2	"E"		-	*
G 1001	10	2	Str.		30' - 0	258 #
G 1002	10	2	Str		34' - 0	293 #
G 1003	10	4	"D"		39' - 1	673 #

* For skewed stringer only.

Total weight 1701 #

BAR TYPES :

(All bar dimensions are out to out)



GENERAL NOTES :

DESIGN

A.A.S.H.O. 1961 Specification except, live load is as shown above. Dead load includes 2" wearing surface

MATERIALS

All concrete materials shall conform to A.S.T.M. specifications
Concrete shall be of standard weight aggregate with maximum size 3/4".
Minimum compressive strength shall be 4500 p.s.i. at 28 days.
Entrained air shall fall between the limits of 5 1/2% ± 1%.
Reinforcing steel shall be of intermediate grade conforming to the C.S.A. specification G30.1-1954 and deformed to conform to G30.6-1954.
Diameters of all bends shall conform to the recommended minimums and all hooks, unless otherwise noted shall conform to the recommended sizes detailed in the A.C.I. Manual of Standard Practice for Detailing Reinforced Concrete Structures.

FABRICATION

Concrete must reach 30% of the required 28 day compressive strength before stripping and lifting.
Each girder shall have a cast camber of 3/4".
All acute corners on skewed girders to have 3/4" chamfer.
Each connector is to be supplied with 1-3/4" heavy hex structural bolt 2" long, 3 hardened flat washers and 1 heavy hex semi finished nut, all conforming to ASTM A 325.
Connectors and bolts are to be provided by the stringer fabricator.
Bolts are to be placed with one washer under the head and one washer under the nut.
Fill any free space between the connectors with washers.

Units are to conform to the requirements of the Bridge Branch Specifications for Precast Concrete Bridge Units dated January 25th, 1963.

SUPERSEDED

Estimated weight 13,480#

NO.	DATE	DESCRIPTION	BY
5	Jun. 26 /63	Moved Lifting Hook	B.W.S.
4	Jan 29/63	General notes revised	R.E.
3	Sept 26/62	H.T bolt note added	R.E.
2	Sept 20/62	Connector clearance	L.K.
1	Aug. 29/62	Delete D601 bar	L.K.

REVISIONS

PRECAST CONCRETE 38 FT. SPAN TYPE "HC" INTERIOR STRINGER

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

FILE NO. ______ HWY. NO. ______
LOCATION ______ SCALE as shown
STREAM ______ SHEET ___ OF ___

DWG. NO. S-786

DESIGNED BY Robert E. Boiler DATE May 1962
DETAILED BY L. Kohlmann DATE May 1962
CHECKED BY [illegible] DATE June 15 1962