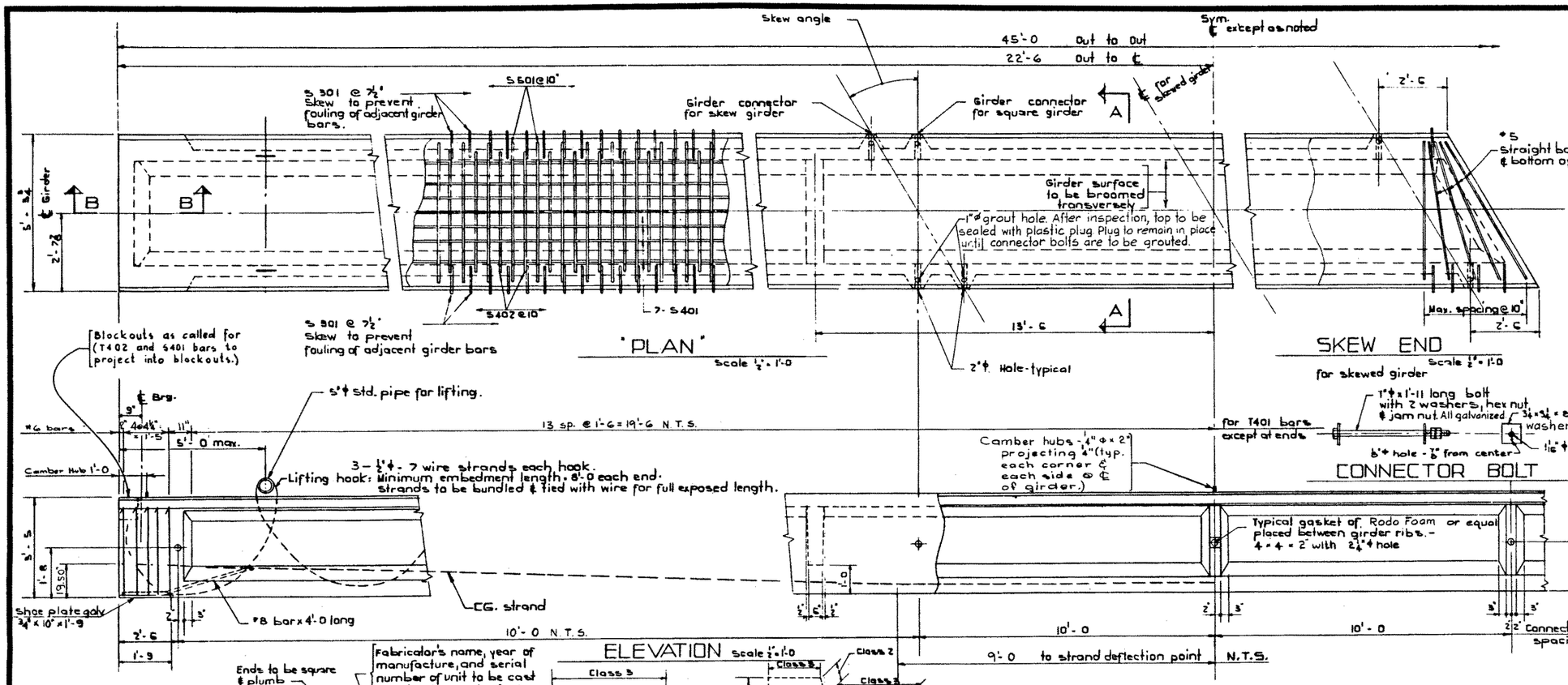
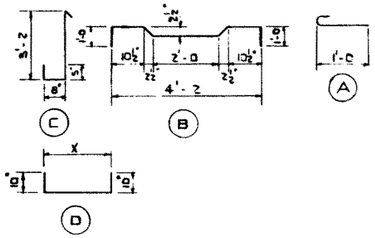


BAR LIST For unskewed Girder							
MARK	SIZE	NO	DIM	X	Y	LENGTH	WEIGHT
S 301	3	144	A			1'-6	81
S 401	4	14	Str.			23'-0	215
S 402	4	54	B			6'-4	222
S 501	5	110	Str.			4'-9	545
T 401	4	54	C			4'-9	171
D 601	6	4	D	4'-2		5'-10	35
D 602	6	4	D	5'-0		6'-8	40
T 601	3	4	D	4'-2		6'-2	37

Total lbs: 1,352

BAR TYPES :
(All bar dimensions are out to out)



GENERAL NOTES :

DESIGN
A.A.S.H.O. 1961 Specification

Loading : 0.90 of one wheel line of an H20-S16-44 truck plus full dead load plus 2" wearing surface

MATERIALS
Concrete shall be of standard weight aggregate with a maximum size of ¾". Minimum compressive strength shall be 5000 p.s.i. at 28 days. Entrained air shall be not less than 5%.

Prestressing steel is ½"ø-7 wire strand.

FABRICATION
Reinforcement: Diameters of all bends shall conform to the recommended sizes 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.

Prestressing steel: Initial tensioning load = 25.2 K/strand
Design Load = 20.2 K/strand

Concrete must attain 4000 p.s.i. compressive strength before the prestressing force is transferred.

Galvanizing shall be in accordance with A.S.T.M. Spec A153

Units are to conform to the requirements of the Alberta Bridge Branch Specification B 190-64 for the Manufacture of Prestressed Concrete Bridge Units.

ERECTION
Lifting forces for [illegible] shall be vertical at all times.
Girder supports must be level at all times.

SUPERSEDED
SUPERSEDED Apr. 5 1973 (2)
BY S-876-73

DESIGNED BY L. Kohlmann DATE February 19 64
DETAILED BY DATE 19
CHECKED BY DATE 19

APPROVED _____ CHIEF BRIDGE ENGINEER

NO.	DATE	DESCRIPTION	BY
3			
2			
1	Dec. 31/69	Camber Hubs & Shoe ℄ Bars & Redrawn	R.W.K. G.D.A.

REVISIONS

PRESTRESSED CONCRETE 45'-0 TYPE FC GIRDER

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

FILE NO. _____ HWY. NO. _____ DWG. NO. S-876-69
LOCATION _____ SCALE _____
STREAM _____ SHEET _____ OF _____

ALBERTA RECORDS CENTRE P 1999/04