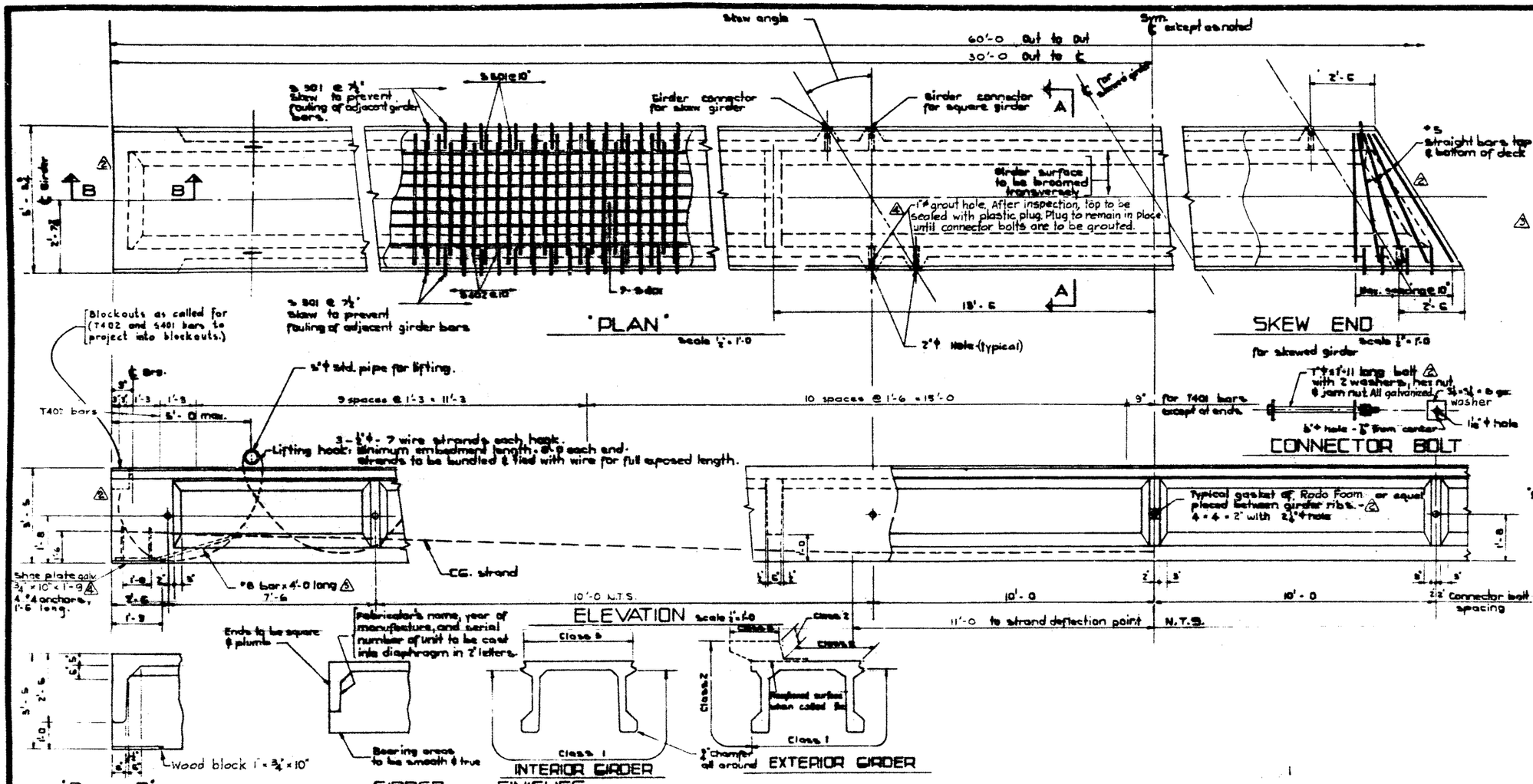
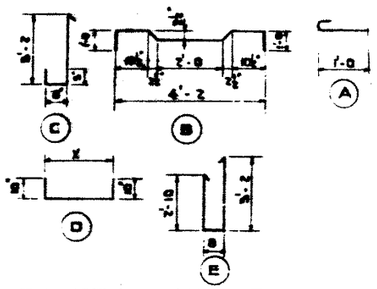


BAR LIST For unskewed Girder

Mark	Size	No.	Type	"A"	"B"	Length	Weight
S 501	5	192	A			8'-6	1108
S 401	4	14	Str.			30'-6	285
S 402	4	72	B			6'-4	305
S 501	5	146	Str.			8'-8	788
T 401	4	80	C			8'-9	234
D 601	6	4	D	4'-2		8'-8	96
D 602	6	4	D	6'-0		8'-8	48
T 402	4	12	E			7'-6	61
T 601	6	24	Str.			8'-10	108

Total Lbs. 1,913

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



GENERAL NOTES :

DESIGN

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

Loading : 0.80 of one wheel line of an H20-S16-44 truck plus full distributed 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" ϕ - 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 [illegible] Design Load = 20.2 [illegible]

Concrete must attain 4500 p.s.i. compressive strength before the prestressing force is transferred.

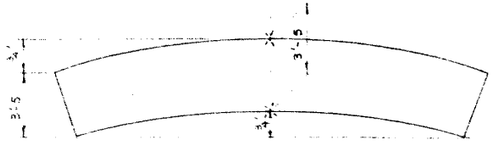
Δ Galvanizing shall be in accordance with A.S.T.M. Spec. A153.

Units are to conform to the requirements of the Alberta Bridge Branch Specifications [illegible] for the Manufacture of Prestressed Concrete Bridge Units.

ERECTION

Lifting [illegible] must be vertical at all times.

Girder [illegible] must be level at all times.



DEFLECTED SHAPE AFTER RELEASE OF PRESTRESS
N.T.S.

SUPERSEDED

SUPERSEDED APR 9 - 1973 BY S-879-73 (1)

Δ	Mar. 3, 1969	Shoe Plate Anchor Bar	T. B.
Δ	Nov. 12/68	1" ϕ hole & galv. shoe	D. Ch.
Δ	Apr. 23/68	T 601 bars quantity change	P. St.
Δ	Nov. 28/67	General Revisions	J. C.
Δ	Oct. 18/65	Drawn from Dwg. No. S-852	V. G. B.
NO.	DATE	DESCRIPTION	BY

REVISIONS

PRESTRESSED CONCRETE
60'-0 TYPE FC GIRDER

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

FILE NO. — STRUCT. NO. —
LOCATION — SCALE —
SYSTEM — SHEET — OF —
STRUCT. NO. S-879

DESIGNED BY — DATE February 10, 19 —
DETAILED BY L. Kahlmann DATE —
CHECKED BY — DATE —

MP 143