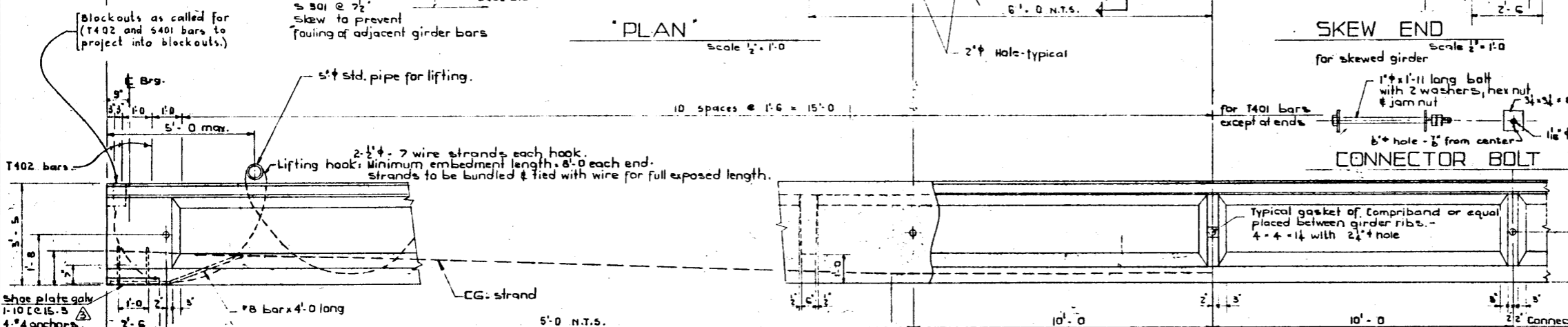
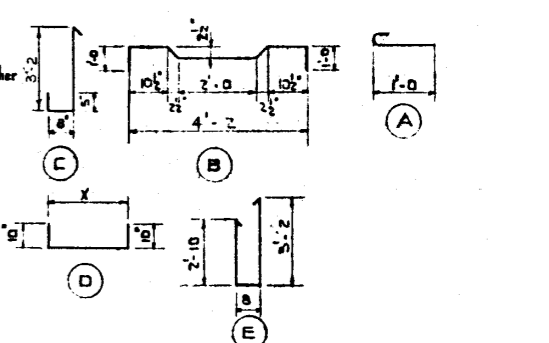


BAR LIST For unskewed Girder							
BAR	SIZE	NO	TYPE	TYPE	TYPE	LENGTH	WEIGHT
S 301	3	112	A			34'-8"	83
S 401	4	7	Str.			34'-8"	182
S 402	4	42	B			5'-4"	160
S 501	5	86	Str.			4'-9"	426
T 401	4	42	C	4'-2"		4'-9"	133
D 601	5	4	D	4'-2"		5'-10"	55
D 602	5	4	D	5'-0"		5'-8"	40
T 402	4	12	E			7'-6"	61
T 601	6	8	Str.			2'-11"	35
						Total lbs:	1,105

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



GENERAL NOTES:

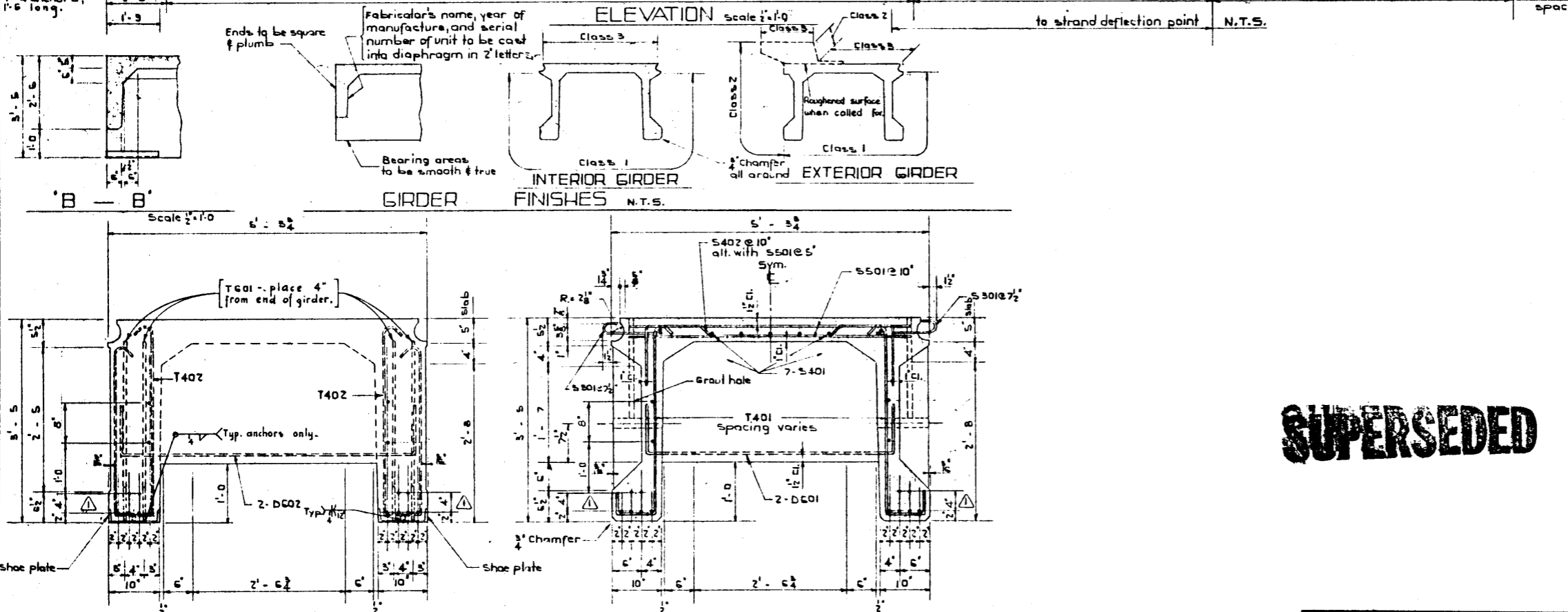
DESIGN
A.A.S.H.O. 1961 Specification
Loading: 0.97 of one wheel line of an H20-S16-44 truck plus full dead load plus 2" wearing surface

MATERIALS
Concrete shall be of standard weight aggregate with a maximum size of 3". Minimum compressive strength shall be 5000 p.s.i. at 28 days. Entrained air shall be not less than 5% of concrete volume.
Prestressing steel is 1/2" x 7 wire strand.

FABRICATION
Reinforcement: Diameter of all bars 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 = 32.2 k strand
Concrete must attain 4200 p.s.i. compressive strength before the prestressing force is transferred.

Units used conform to the requirements of the Alberta Bridge Branch Specifications for the Manufacture of Prestressed Concrete Bridge Units.

ERECTION
Lifting force of each hook shall be vertical at all times.
Girder surface must be checked at all times.



SUPERSEDED

SUPERSEDED

PRESTRESSED CONCRETE
35'-0 TYPE FC GIRDER

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

NO.	DATE	DESCRIPTION	BY
1	Nov. 7/66	1" hole & galy shoe #	R.Ch
2	Oct. 3/64	No. of strands added	V.G.B.
3	Sept. 10/64	Dimensions	L.K.

REVISIONS

FILE NO. _____ HWY. NO. _____ DWG. NO. 5-864
LOCATION _____ SCALE _____ SHEET _____ OF _____
STREAM _____

DESIGNED BY: L. Kohlmann
DATE: February 1964
CHECKED BY: _____
DATE: _____