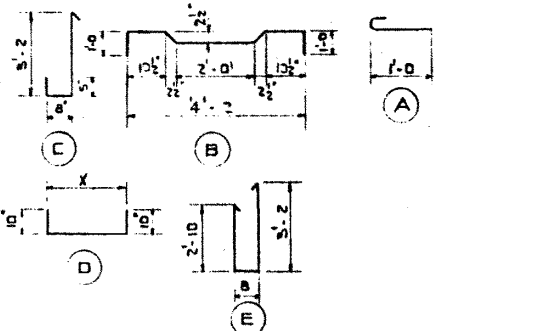
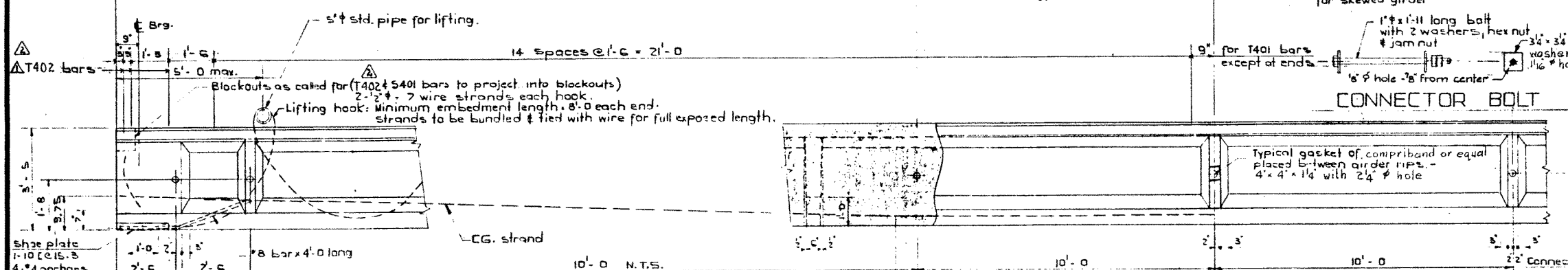


BAR LIST For Unskewed Girder							
MARK	SIZE	NO.	TYPE	LENGTH	WEIGHT		
S 301	3	160	A	11'-6"	90		
S 401	4	14	Sfr.	25'-6"	238		
S 402	4	60	B	6'-4"	254		
S 501	5	122	Sfr.	4'-9"	604		
T 401	4	60	C	4'-9"	190		
D 601	6	4	D	4'-2"	55		
D 602	6	4	D	6'-0"	40		
T 402	4	12	E	7'-6"	61		
T 501	6	8	Sfr.	2'-11"	35		
					Total lbs:	1,512	
						1,586	

BAR TYPES:
(All bar dimensions are out to out) Δ 1,547



GENERAL NOTES:

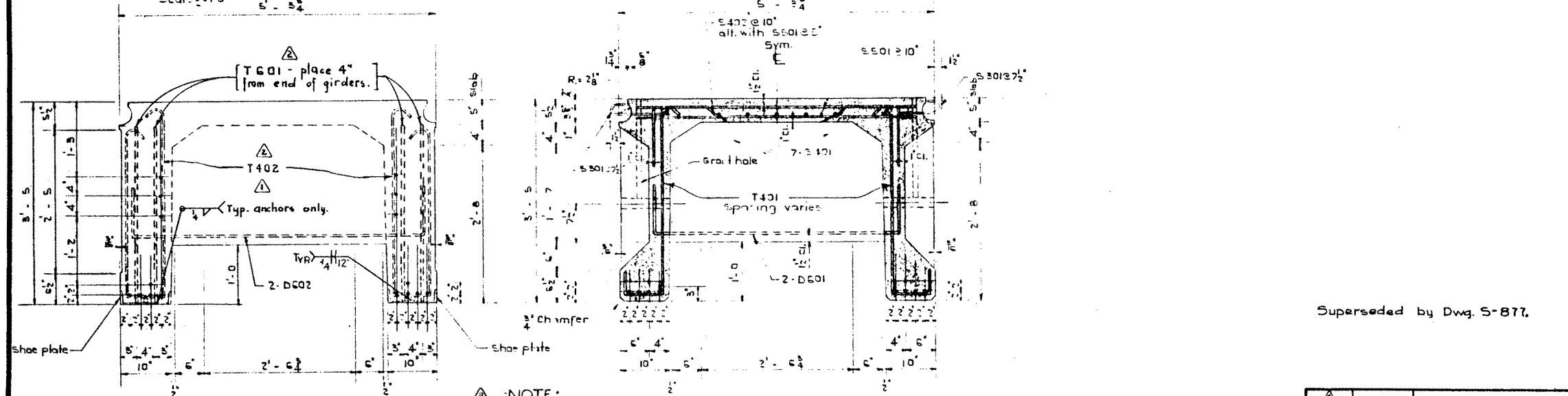
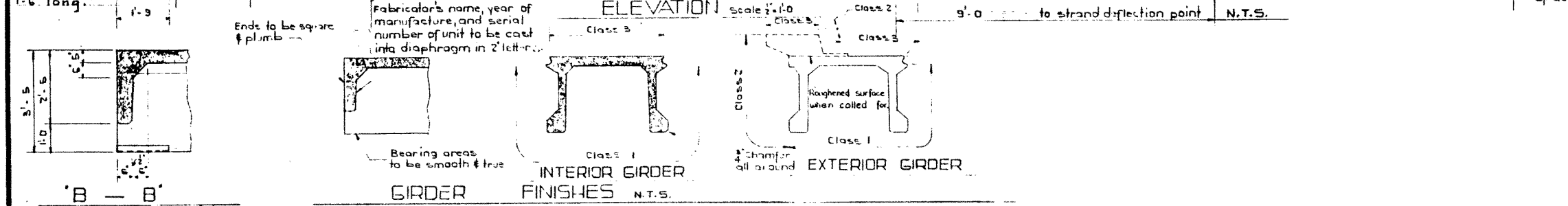
DESIGN
A.A.S.H.O. 1961 Specification
Loading: 0.97 of one wheel line of an H20-S16-44 truck plus full dead load plus 2" wearing surface

MATERIALS
Concrete shall be of standard weight aggregate with a maximum size of 3/4". Minimum compressive strength shall be 5000 p.s.i. at 28 days. Entrained air shall be not less than 5%.
Prestressing steel is 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% strand Design Load
Concrete must attain 4000 p.s.i. compressive strength before the prestressing force is transferred

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

ERECTION
Lifting force at all hooking to be vertical at all times.
Girder surface must be level at all times.



NOTE:
16-1/2" ϕ 7 wire strands required per girder

SUPERSEDED

Superseded by Dwg. S-877.

NO.	DATE	DESCRIPTION	BY
Δ	Oct 2/64	No. of strands added	V.G.B.
Δ	July 3/64	End block rebars.	D.H.G.
Δ	June 2/64	End block rebars.	D.H.G.

PRESTRESSED CONCRETE
50'-0" TYPE FC GIRDER

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

FILE NO.	HWY. NO.	SCALE	DWS. NO.
LOCATION	SCALE	SHEET	OF
5-85b			

DESIGNED BY: L. Kahlmann
 CHECKED BY:
 DATE: February 19, 64
 DATE: