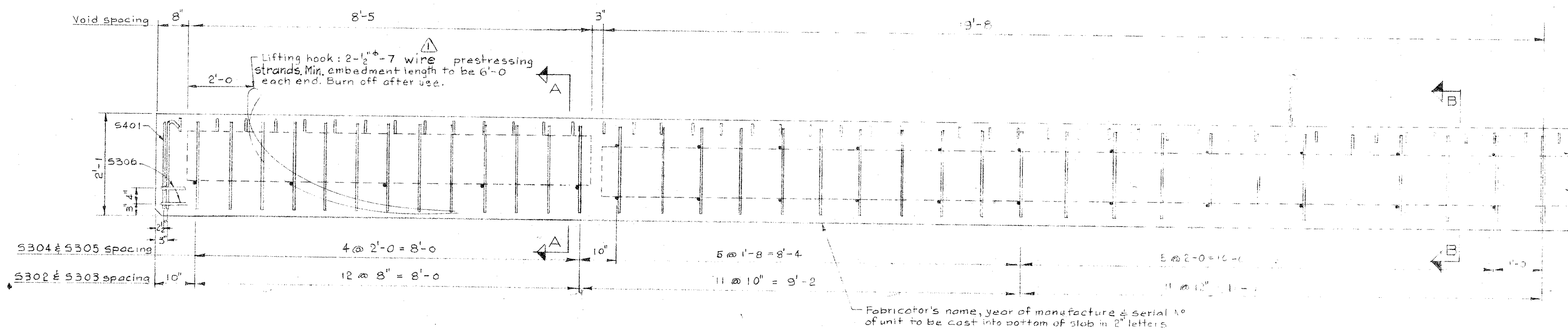
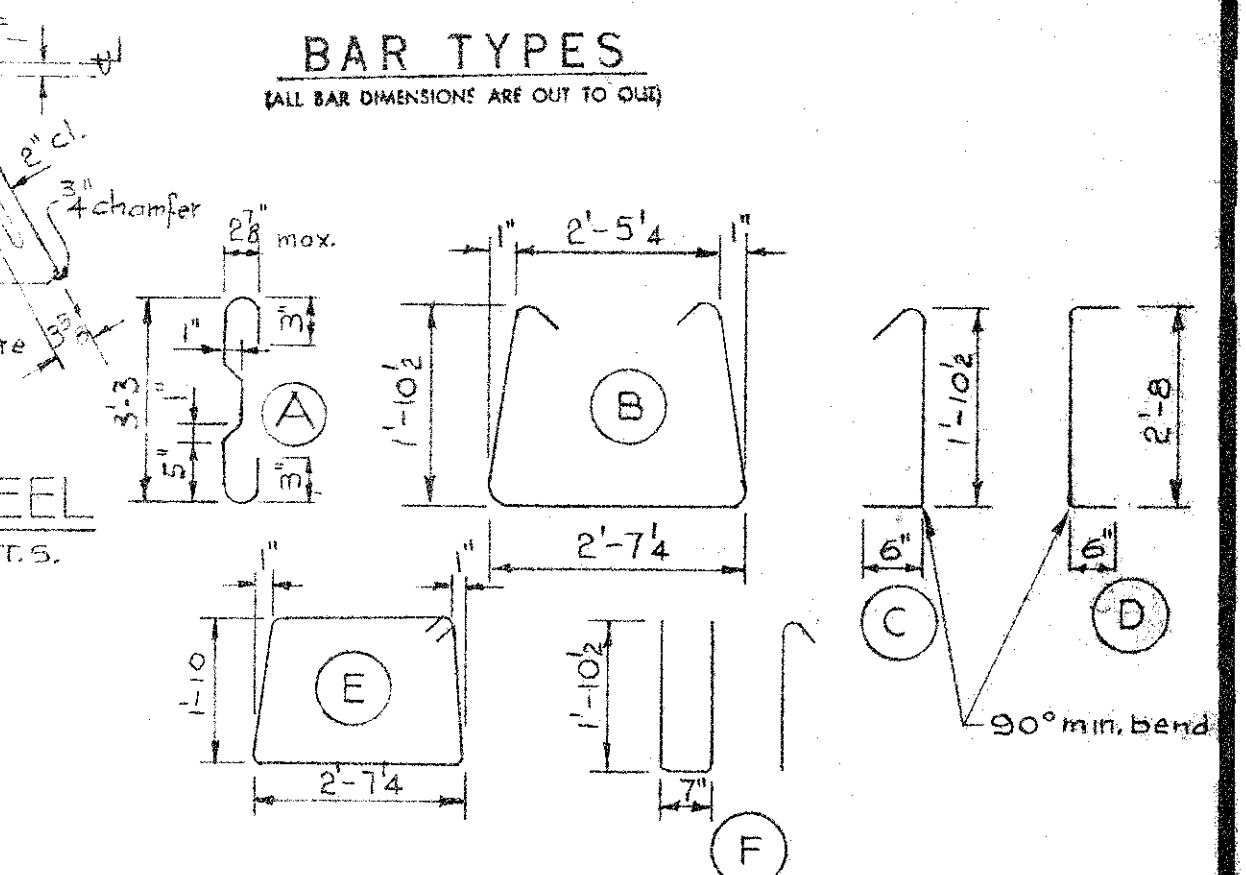
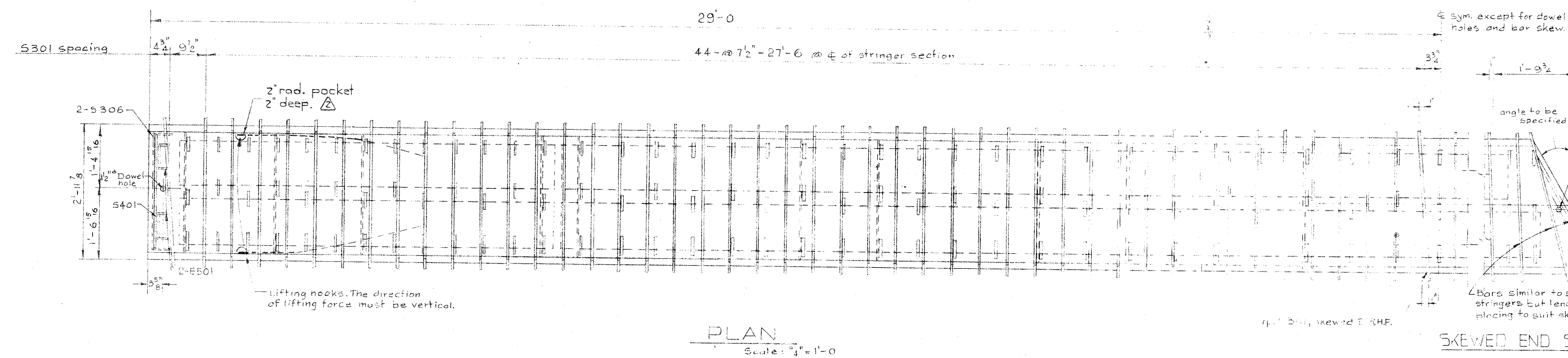


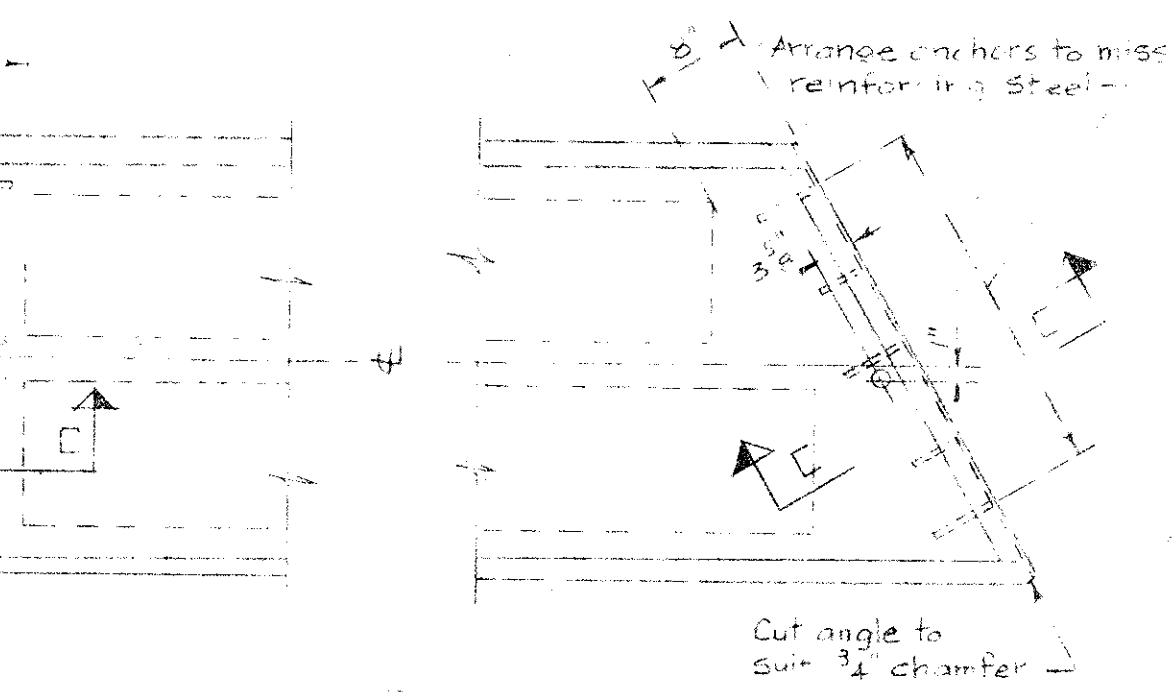
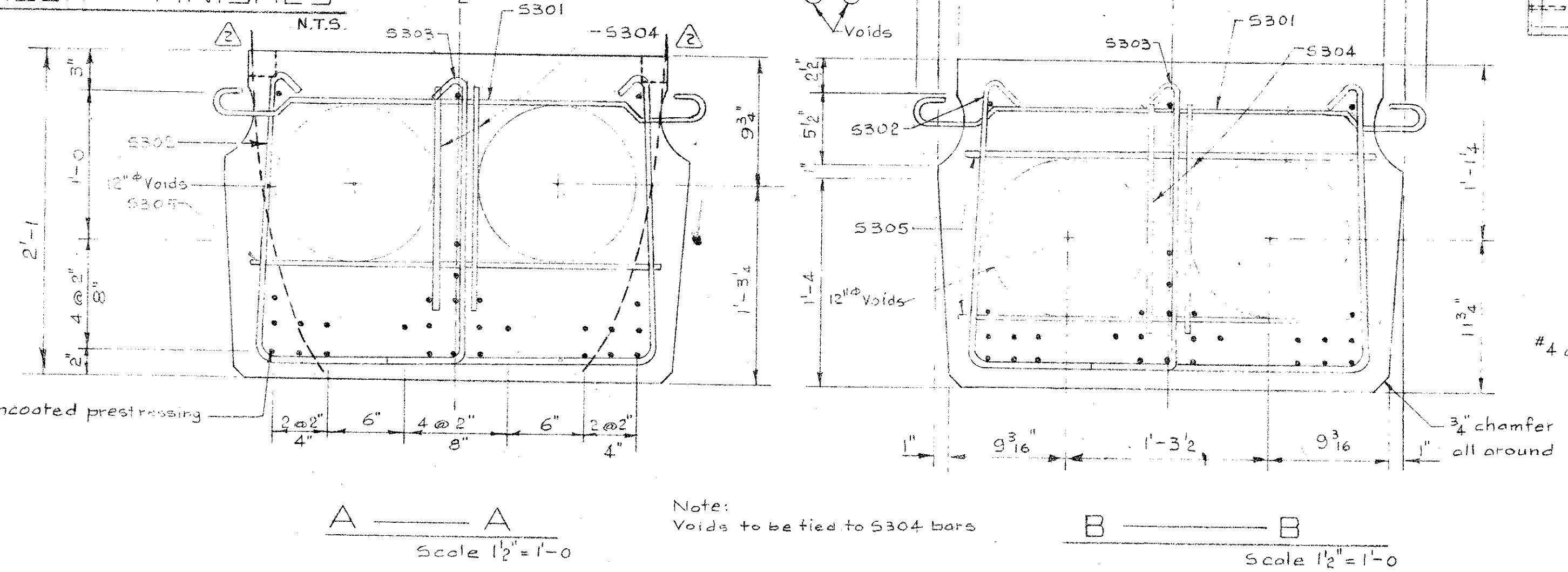
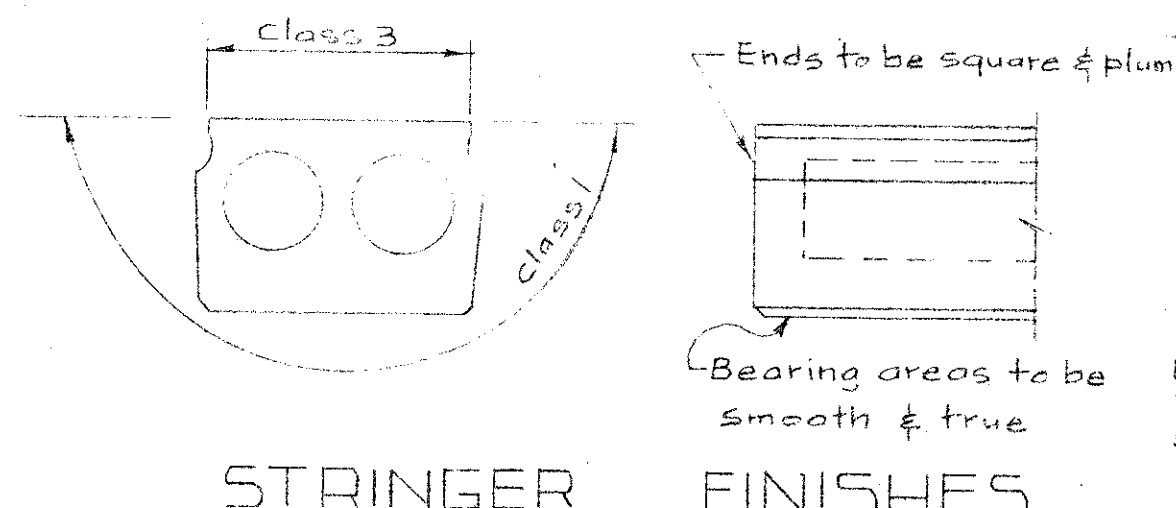
DESIGNED BY R.W. Kornelsen  
 DATED March 1966  
 CHECKED BY F.Y.  
 DATED March 1966

BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
S301	3	92	A	4'-0"	14.1
S302	3	70	B	7'-0"	18.4
S303	3	70	C	2'-8"	7.0
S304	3	64	Str.	1'-4"	3.2
S305	3	54	Str.	2'-8"	5.4
S306	3	4	D	3'-8"	6
S401	4	2	E	9'-6"	13
E501	5	4	F	5'-4"	22

Total lbs. 522



- GENERAL NOTES-
- DESIGN  
 • AASHO 1961 Specifications except allowable initial concrete stress = 285 p.s.i. in tension.  
 • Loading 3/8 of one wheel line of an HS20 truck plus full dead load plus 2" wearing surface.
- MATERIALS  
 • Concrete shall be of standard weight aggregate with a max. size of 3/4". Minimum compressive strength shall be 5000 p.s.i. at 28 days. Air entrainment to be not less than 5%.
- 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/cable. Design load = 20.16 K/cable.  
 • Concrete must attain 4000 p.s.i. compressive strength before the prestressing force is transferred.  
 • Anchor bolt assemblies are to be cast in stringers at spacings as required.  
 • Units are to conform to the requirements of the Bridge Branch Specifications for Prestressed Concrete Bridge Units.
- ERECTION  
 • Lifting force at each hook must be vertical at all times.  
 • Stringer surface must be level at all times.



**SUPERSEDED**  
 BY S-885-70

PRESTRESSED CONCRETE  
 58 FT. SPAN  
 25" TYPE M STRINGER

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

FILE NO. \_\_\_\_\_ HWY. NO. \_\_\_\_\_ DWS. NO. \_\_\_\_\_  
 LOCATION \_\_\_\_\_ SCALE shown \_\_\_\_\_ SHEET \_\_\_\_\_ OF \_\_\_\_\_  
 STREAM \_\_\_\_\_

NO.	DATE	DESCRIPTION	BY
1	Feb. 11/66	Lifting hook	L.K.
2	Feb. 27/68	Prestressing strands	R.Ch.

REVISIONS