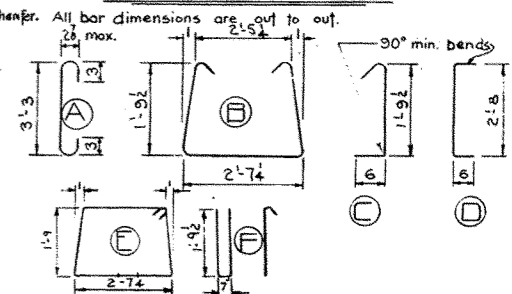


BAR LIST

Mark	Size	No.	Type	Length	Weight
S301	3	88	A	4'-0"	132
S302	1	65	B	6'-10"	167
S303	1	65	C	2'-7"	63
S304	1	60	str	1'-4"	30
S305	1	48	str	2'-8"	48
S306	3	4	D	3'-8"	6
S401	4	2	E	3'-4"	12
E501	5	4	F	5'-2"	22

Total wt. 480 lbs.

BAR TYPES N.T.S.



GENERAL NOTES

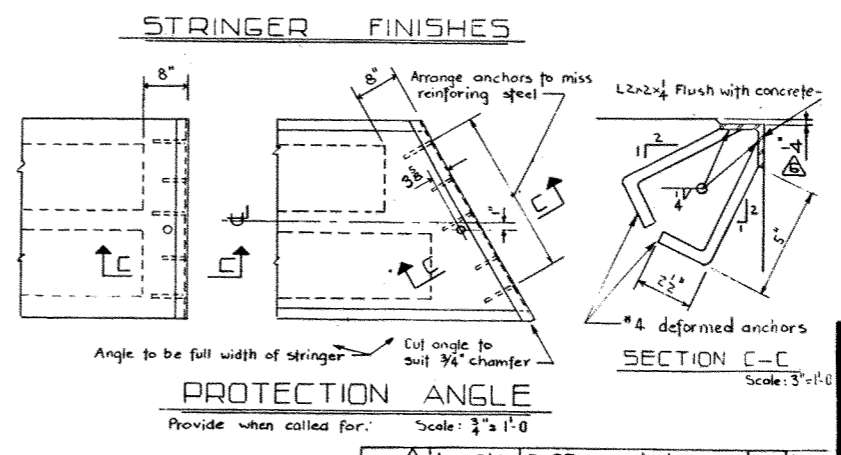
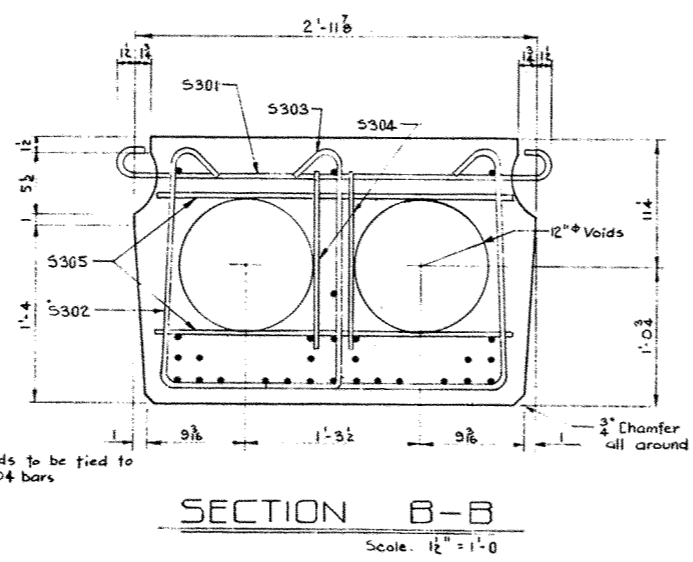
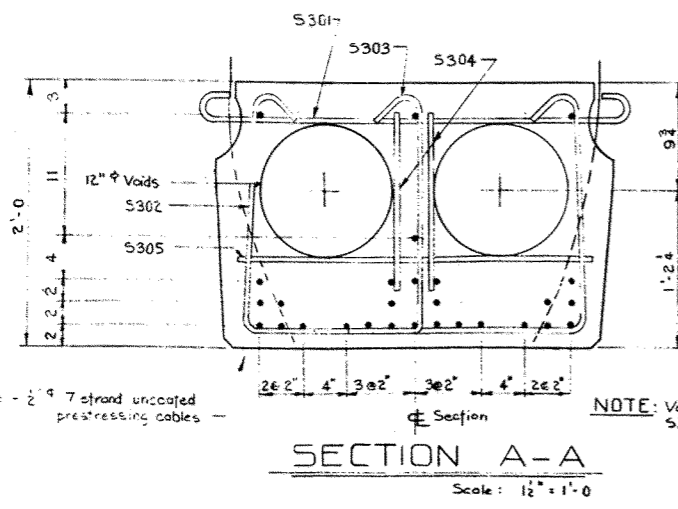
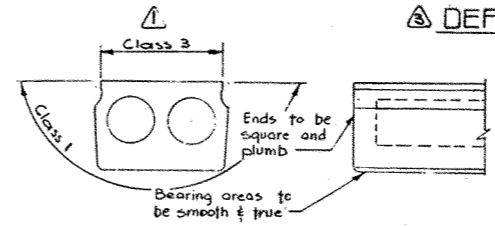
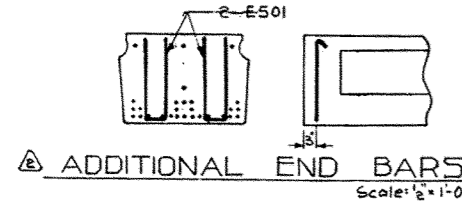
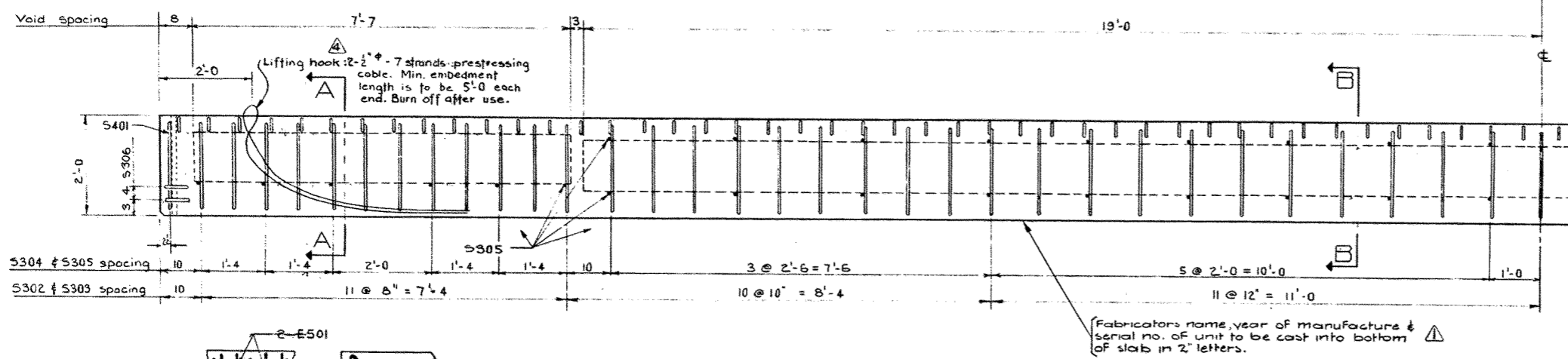
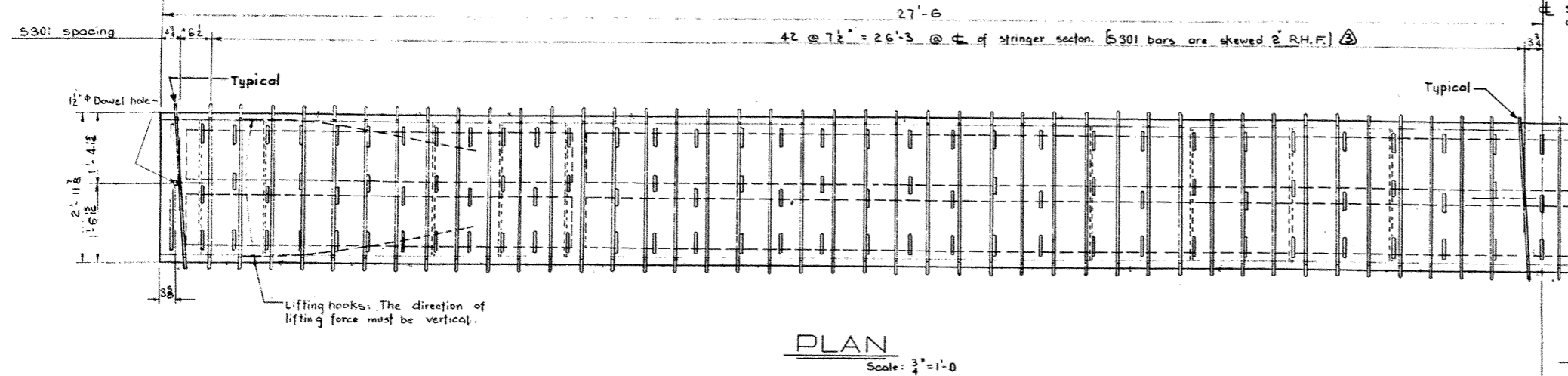
DESIGN
A.A.S.H.O. 1961 Specifications except allowable initial concrete stress = 285 p.s.i. in tension.

Loading: 3/5 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 2". 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 4,500 p.s.i. compressive strength before the prestressing force is transferred.
Any or bolt assemblies are to be cast in stringer as spacings as req'd. Units are to conform to the requirements of the Bridge Branch Specifications for Prestressed Concrete Bridge Units.

SECTION
Lifting force at each hook must be vertical at all times.
Stringer surface must be level at all times.



DESIGNED BY: D. H. QUAPP
DATE: July 19 52
CHECKED BY: D. H. QUAPP
DATE: July 19 52

NOTE: Each group of S304 & S305 bars may be replaced by an alternate #3 bar laced welded to the stirrups and shaped thusly:

NO.	DATE	DESCRIPTION	BY
1	Jan 19 56	Buffer angle lowered	L.K.
2	Mar 24 64	General notes	B.P.
3	Nov 28 63	Lifting hooks	REP.
4	Oct 17 63	Revision to skewed S301 bars	R.Ch
5	Oct 15 63	End bars added & note	D.H.G.
6	Sept 18 63	Notes & finishes revised	B.P.

SUPERSEDED
BY 5-794-69

PRESTRESSED CONCRETE
55 FT SPAN
TYPE M STRINGER

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

FILE NO. _____ HWY. NO. _____ DWG. NO. _____
LOCATION _____ SCALE as shown _____
STREAM _____ SHEET _____ OF 5-794