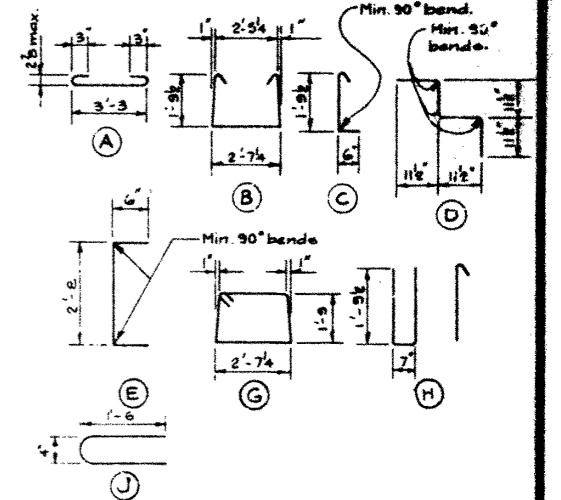


BAR LIST					
Mark	Size	No.	Type	Length	Weight
S301	3	80	A	4'-0	120
S302	3	59	B	6'-10	152
S303	3	59	C	2'-7	57
S304	3	26	D	2'-10	37
S305	3	4	E	3'-8	6
S401	4	2	G	9'-4	12
E501	5	4	H	5'-2	22
S402	4	6	J	3'-2	18
Total:					415 lbs

BAR TYPES N.T.S.
(All bar dimensions are out to out.)



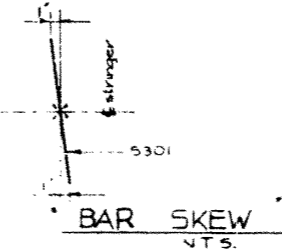
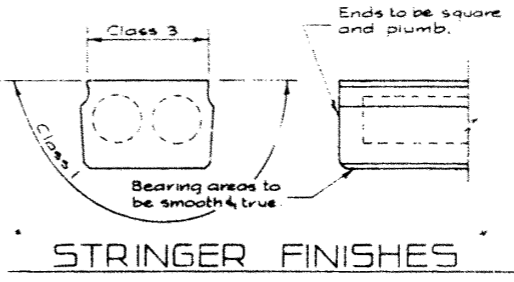
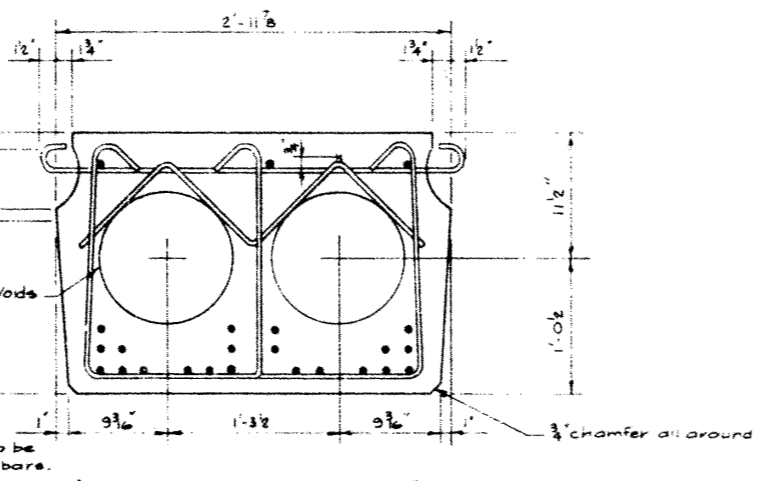
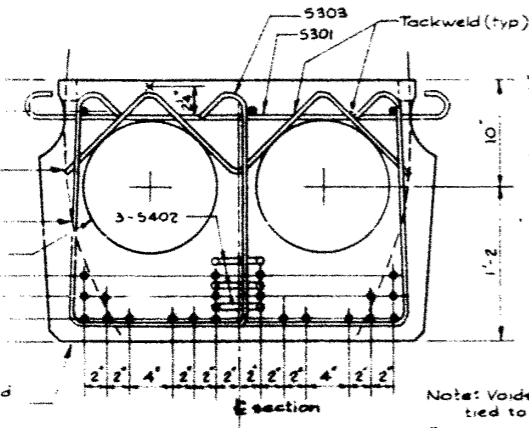
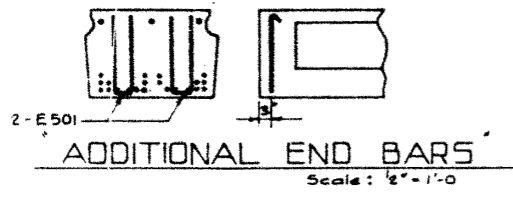
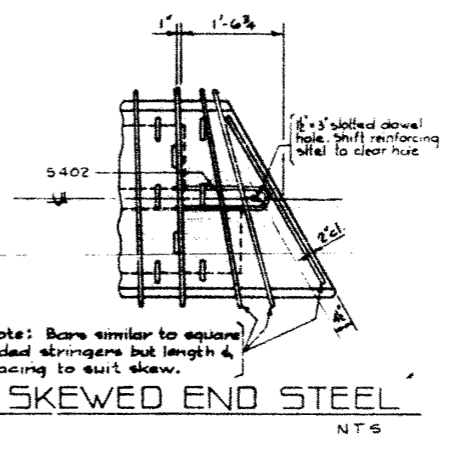
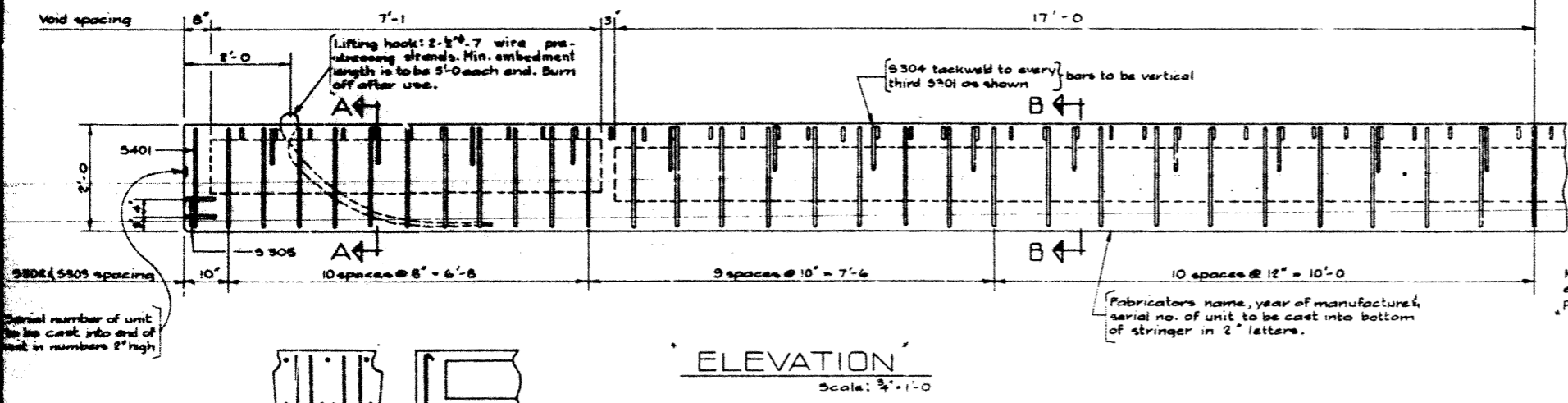
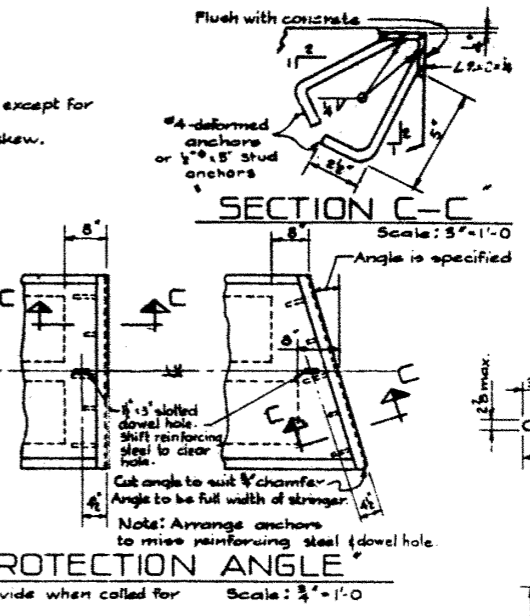
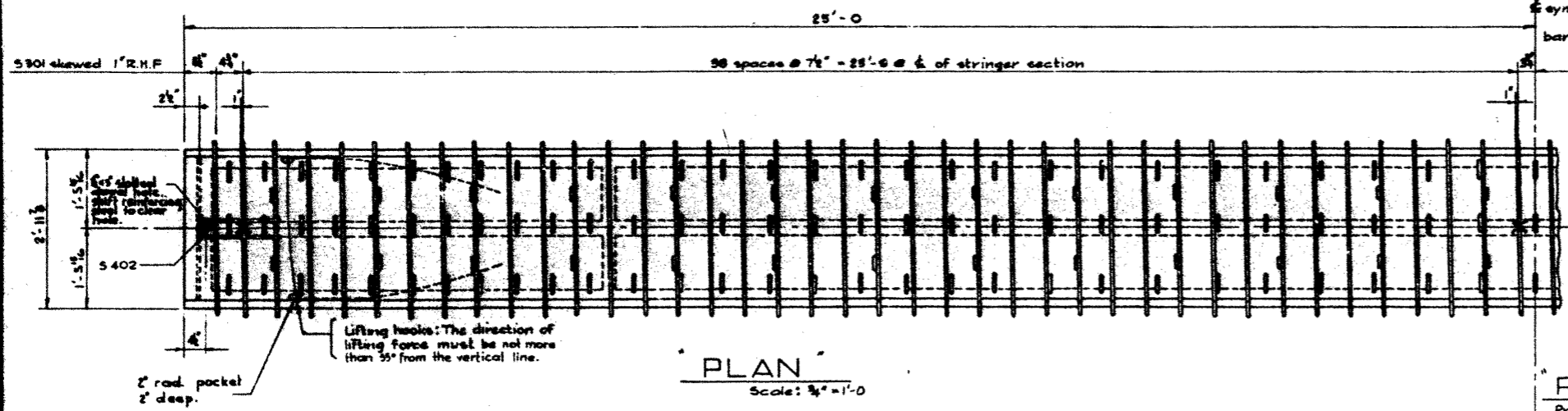
GENERAL NOTES

DESIGN
A.A.S.T.M. 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 3/4". Minimum compressive strength shall be 5000 p.s.i. at 28 days. Air entrainment shall be not less than 5%.

FABRICATION
Reinforcement: Diameters of all bends and details of 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.
Prestress Steel: Initial tensioning load = 25.2 k/Strand
Design load = 20.16 k/Strand
Concrete must attain 4,000 p.s.i. compressive strength before the prestressing force is transferred.
Anchor bolt assemblies are to be cast in stringer at spacings as required.
Units are to conform to the requirements of the Bridge Branch Specifications for Prestressed Concrete Bridge Units.
The surface of grout keys shall be sandblasted. If end blockouts are called for their surfaces shall be sandblasted.

ERECTION
Lifting force at each hook must be not more than 35° from the vertical in a 2'-0" high stringer surface must be level at all times.



SUPERSEDED

APPROVED: [Signature]
SUPERSEDED BY S-796-73 (3A)

PRESTRESSED CONCRETE
50 FT. SPAN
TYPE 'M' STRINGER

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

REV. NO. 5-796-70

NO.	DATE	DESCRIPTION	BY
1	Oct 26, 1970	Redrawn	SL
REVISIONS			

DESIGNED BY: D.H. Quapp
DATE: July 19 62
DETAILS BY: R. Sparling
DATE: July 19 62
CHECKED BY: [Signature]