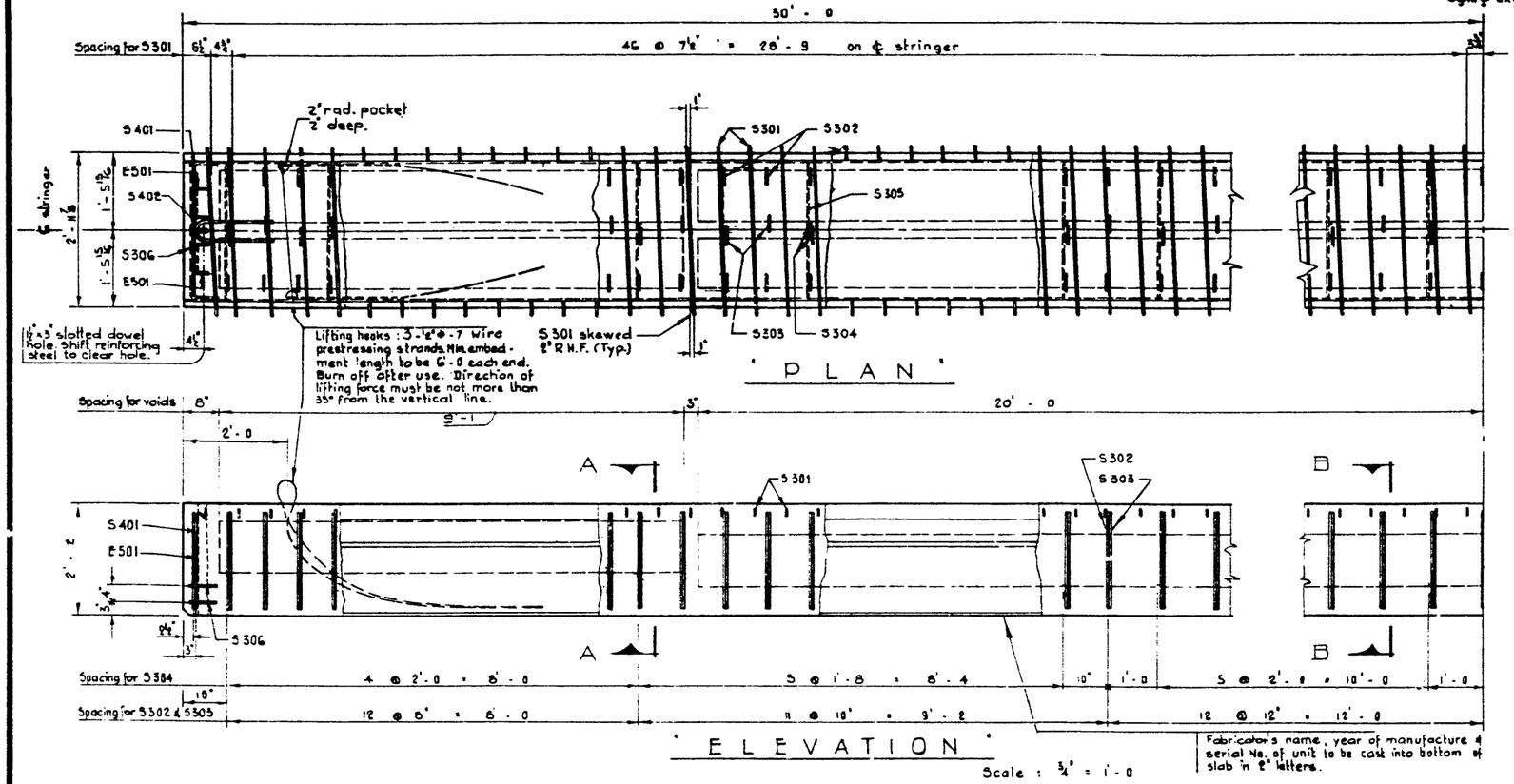
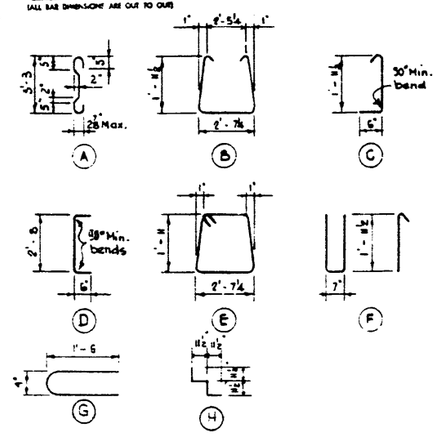
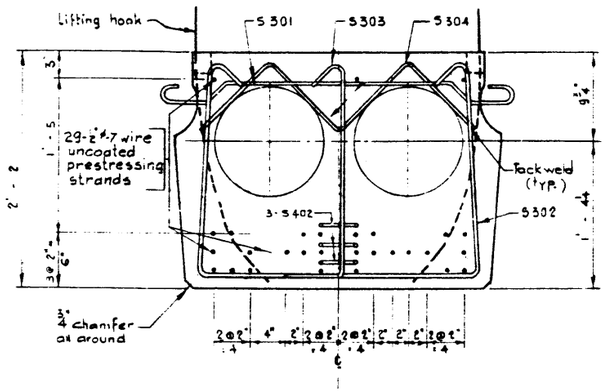
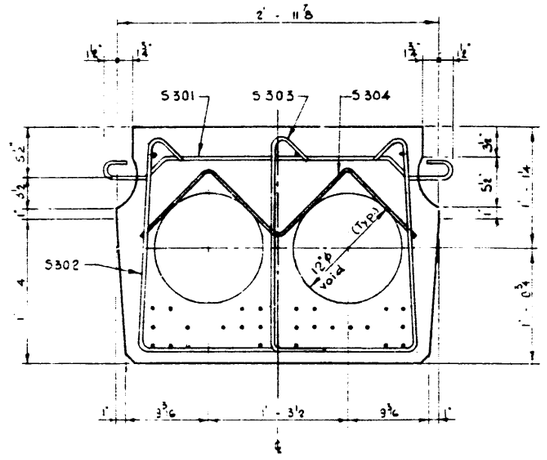


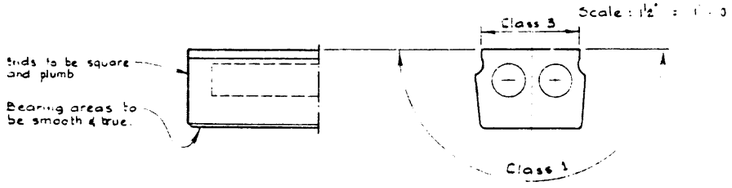
BAR LIST							
MARK	SIZE	NO	TYPE	"W"	"H"	LENGTH	WEIGHT
S 301	3	36	A			4'-2	130
S 302	3	71	B			7'-2	181
S 303	3	71	C			2'-9	73
S 304	5	35	H			3'-10	81
S 305	3	4	D			3'-8	6
S 401	4	2	E			5'-8	18
E 501	5	4	F			5'-6	23
S 402	4	6	G			5'-2	13
						Total Lbs. :	520

BAR TYPES
(ALL BAR DIMENSIONS ARE OUT TO OUT)

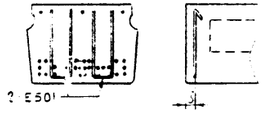




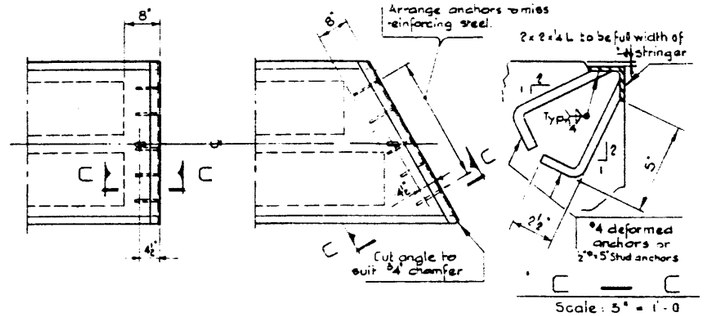




STRINGER FINISHES N.T.S



ADDITIONAL END BARS
N.T.S



PROTECTION ANGLE
Provide when called for Scale ¾" = 1'-0
Angle to be full width of stringer.

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 a 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 3%.

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.
Prestressing 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 line at all times. Stringer surface must be level at all times.

APPROVED BRIDGE ENGINEER Oct 29/70

(3)

DESIGNED BY A.W. Hartgerson DATE April 15 66
DETAILED BY P. Szots DATE April 15 66
CHECKED BY R.E.B. DATE May 15 66

NO.	DATE	DESCRIPTION	BY
4	Oct. 28, 1970	Redrawn.	S.L.

REVISIONS

PRESTRESSED CONCRETE 60 FT. SPAN 26" TYPE M STRINGER

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

FILE NO. HWY. NO. DRWG. NO. S-907-70
LOCATION SCALE as shown
STREAM SHEET OF