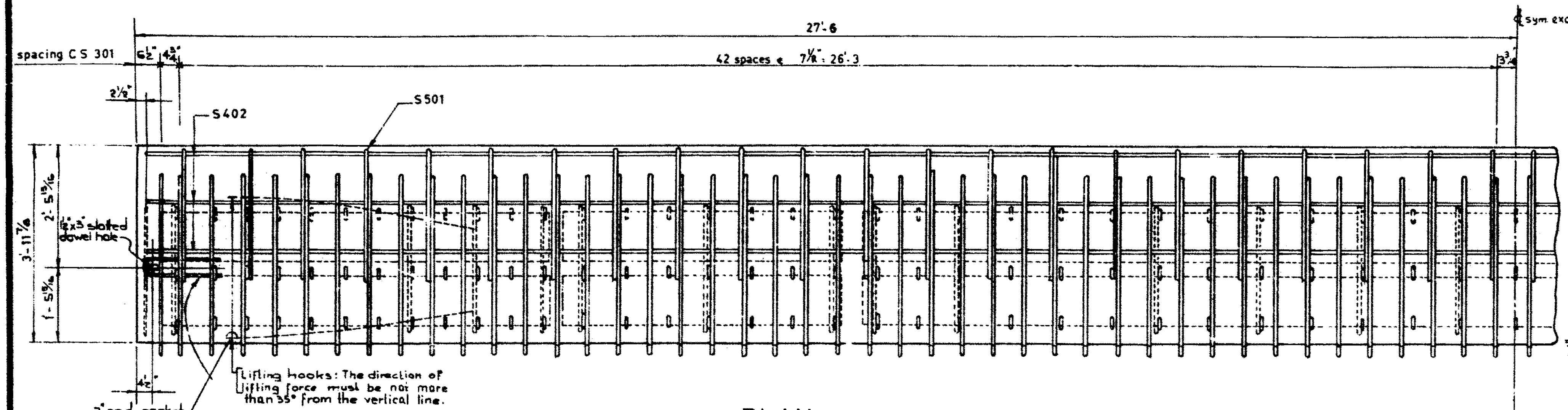
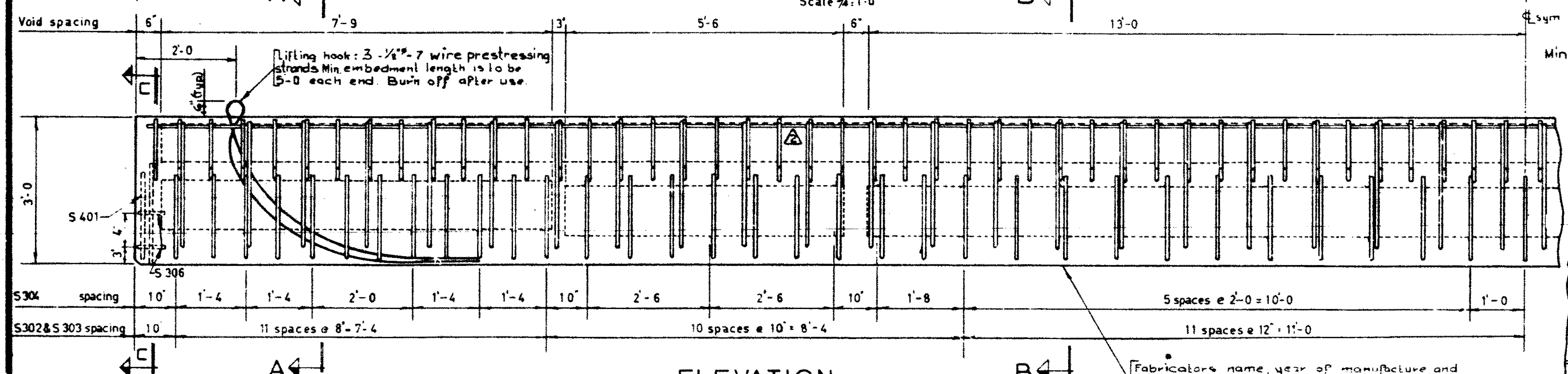
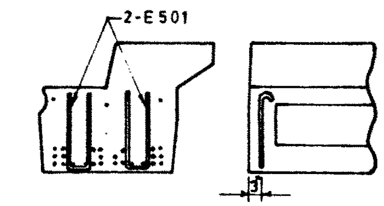


PLAN
Scale ¾" = 1'-0



ELEVATION
Scale ¾" = 1'-0



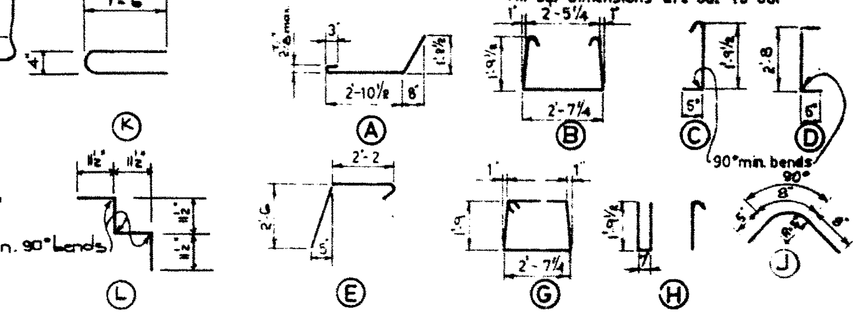
ADDITIONAL END BARS
Scale ½" = 1'-0

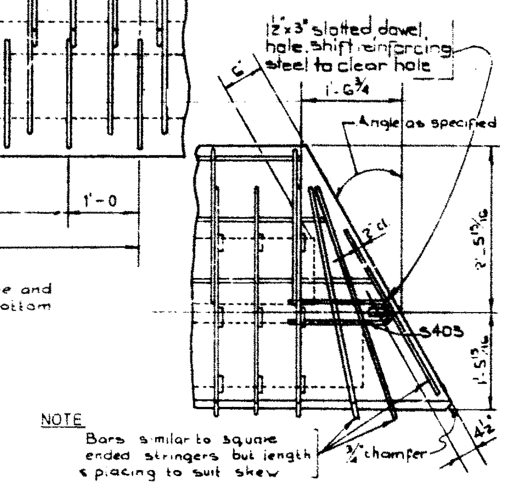
BAR LIST

Mark	Size	No.	Type	Length	Weight
CS 301	3	88	A	4'-7	152
S 302		65	B	6'-10	167
S 303		65	C	2'-7	63
S 304		32	L	3'-10	48
S 306	3	4	D	3'-8	6
S 501	5	44	E	5'-2	237
S401	4	2	G	9'-6	12
S402	4	6	Str	28'-0	112
E501	5	4	H	5'-2	22
S307	3	22	J	1'-9	14
S403	4	6	K	3'-2	15

Total lbs.: 844

BAR TYPES
All bar dimensions are out to out





NOTE
Bars similar to square ended stringers but length & placing to suit skew.

SKEWED END STEEL
Scale ¾" = 1'-0

GENERAL NOTES

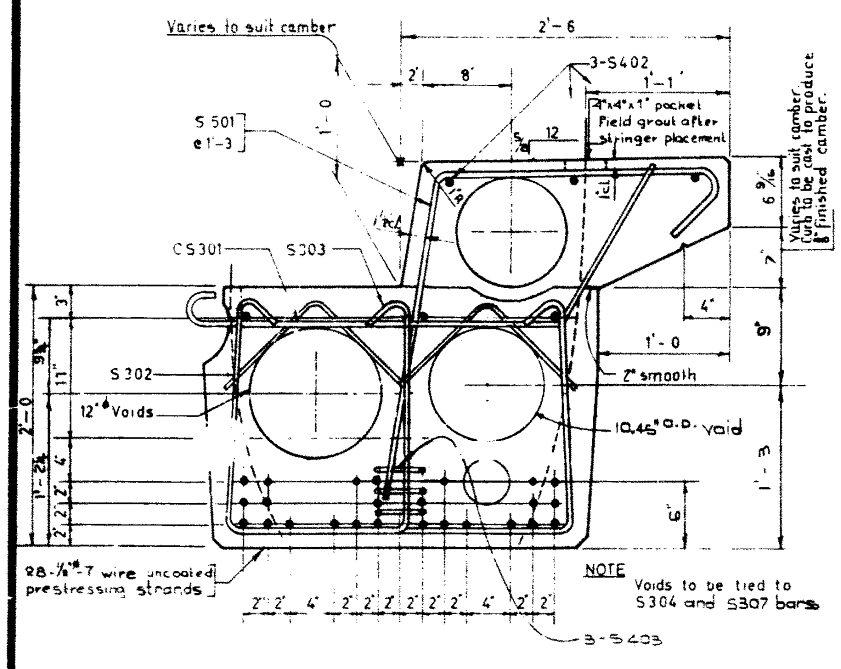
DESIGN
A.A.S.H.O. 1961 Specifications except allowable initial concrete stress = 285 p.s.i. in tension.
Loading: 3/5 of one wheel line of an H20-S16-44 truck pluss full dead load plus 2" wearing surface.

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.
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.

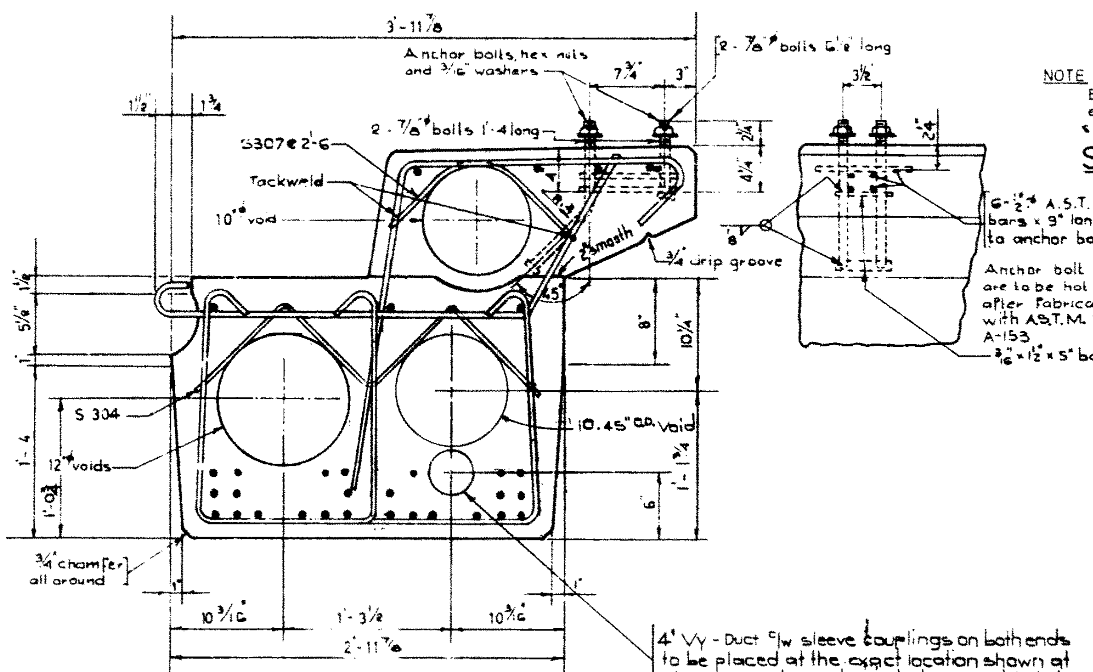
ERECTION
Lifting force at each hook must be not more than 35° from the vertical line at all times. Stringer surface must be level at all times.

SUPERSEDED

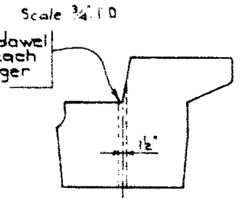


NOTE
Voids to be tied to S304 and S307 bars.

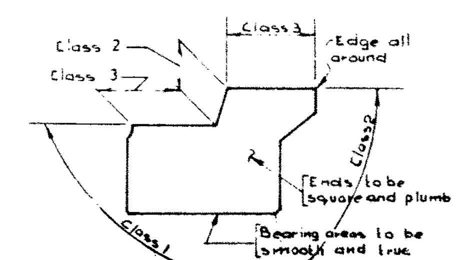
SECTION A—A
scale 1½" = 1'-0



SECTION B — B
scale 1½" = 1'-0



SECTION C—C



STRINGER FINISHES

NO.	DATE	DESCRIPTION	BY
4			
3			
2	Sep. 27/71	Curb void view corrected	T.E.
1	Oct. 28, 1970	Redrawn	S.L.

REVISIONS

APPROVED BY: [signature] CHIEF BRIDGE ENGINEER Oct 29/70. (3A)

PRESTRESSED CONCRETE 55 FT. SPAN TYPE "M" CURB STRINGER

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

FILE NO. ______ HWY. NO. ______ DWG. NO.
LOCATION ______ SCALE Shown
STREAM ______ SHEET ___ OF ___
5-795-70

DESIGNED BY D.H. Quapp DATE July 1962
DETAILED BY R. Elenbaas DATE July 1962
CHECKED BY ______ DATE ______ 19__