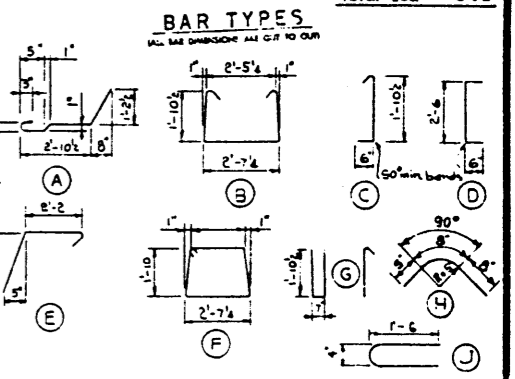


BAR LIST	NO.	TYPE	AMOUNT	WEIGHT
C5301	3	92 A	4'-7"	13.8
S302	3	70 B	7'-0"	18.4
S303	3	70 C	2'-8"	7.0
S304	3	10 K	3'-10"	15
S305	3	46 L	2'-0"	34
S306	3	4 D	5'-8"	6
S401	4	2 F	9'-6"	13
S402	4	6 M	29'-6"	118
S501	5	48 E	5'-2"	23.9
E501	5	4 G	5'-4"	2.2
S307	3	24 H	1'-9"	16
S403	4	6 J	3'-2"	15
Total Lbs.:				908



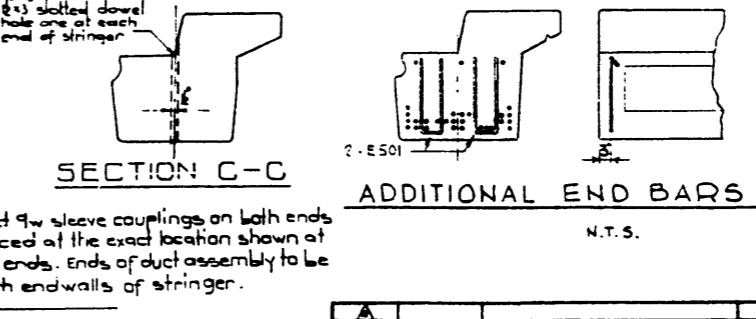
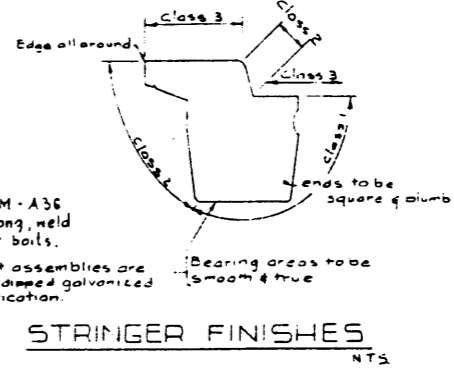
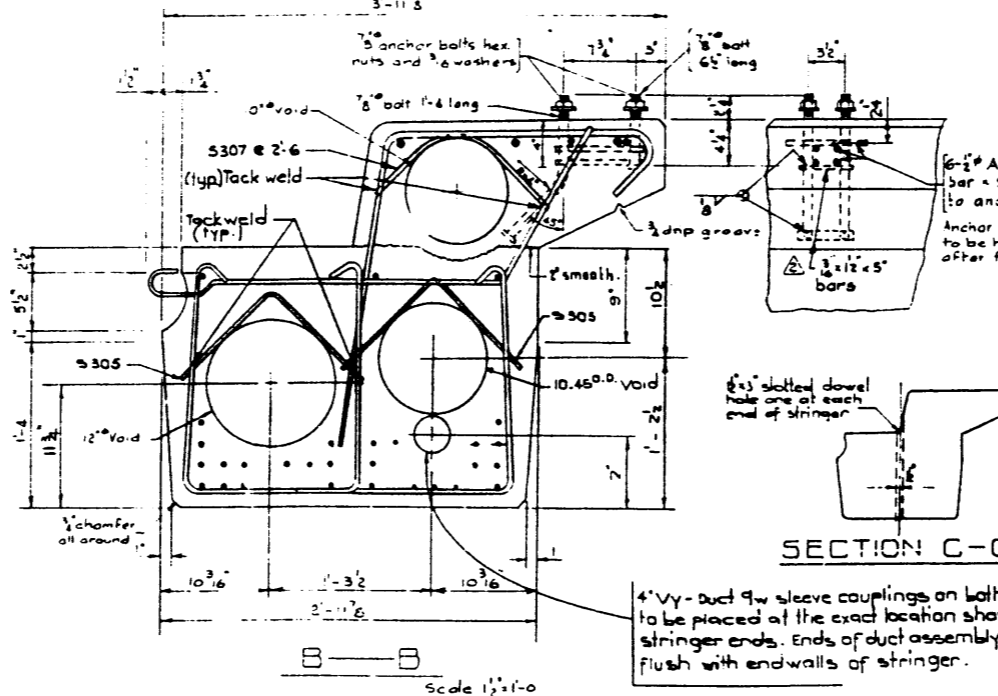
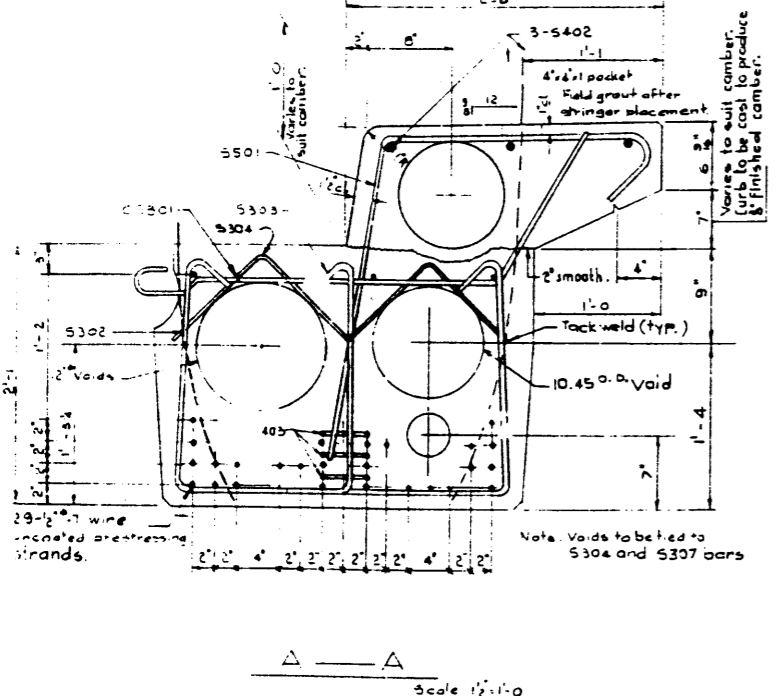
GENERAL NOTES

DESIGN: 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 M20-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.
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 structures are called for their surfaces shall be sandblasted.

ERECTOR: 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.



NO.	DATE	DESCRIPTION	BY
1	Sep 27/77	Curb void view corrected	J.G.
2	Sept 27/77	R thickness corrected from 3" to 2 1/2"	J.G.
3	Oct 15/78	Redrawn	J.G.

PRESTRESSED CONCRETE
58 FT SPAN
25" TYPE M CURB STRINGER

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

FILE NO. _____ HWY. NO. _____ DESIG. NO. **S-886-70**
LOCATION _____ SCALE shown
SHEET _____

28