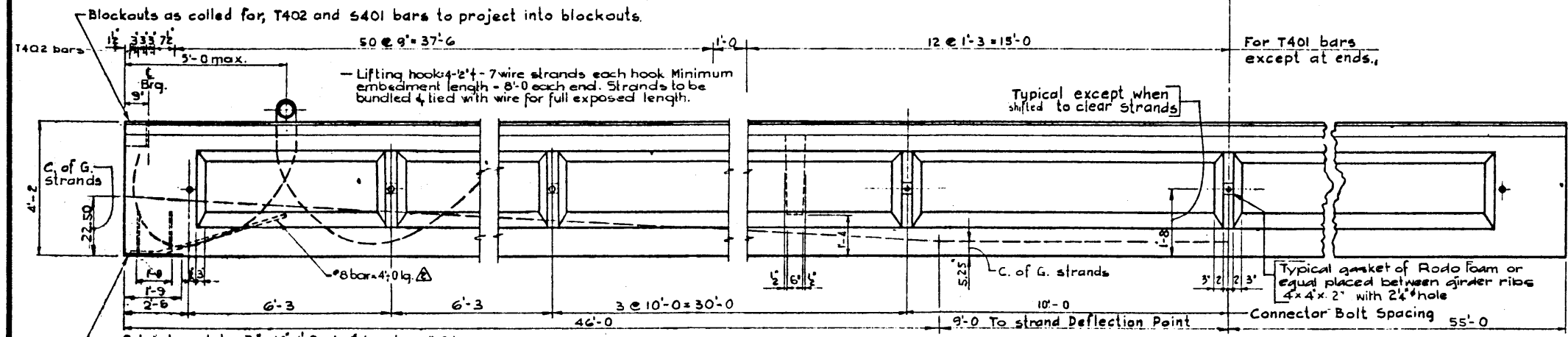


PLAN
N.T.S.

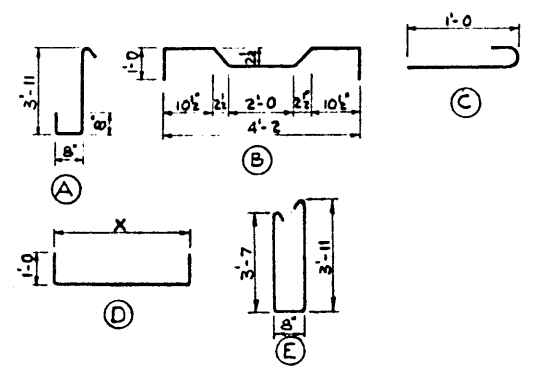
SKEW END
Scale: 1/2"=1'-0"

BAR LIST For Unskewed Girder						
MAX.	SIZE	NO.	TYPE	SPACING	LENGTH	WEIGHT
D601	6	8	D	4'-2"	6'-2"	74
D602	6	4	D	5'-0"	7'-0"	42
S301	3	352	C		1'-5"	188
S401	4	21	str.		37'-4"	524
S402	4	132	B		6'-4"	558
S501	5	266	str.		4'-9"	1318
T401	4	254	A		5'-8"	961
T402	4	16	E		9'-0"	96
T601	6	24	str.		3'-8"	132
TOTAL Lbs:						3,893



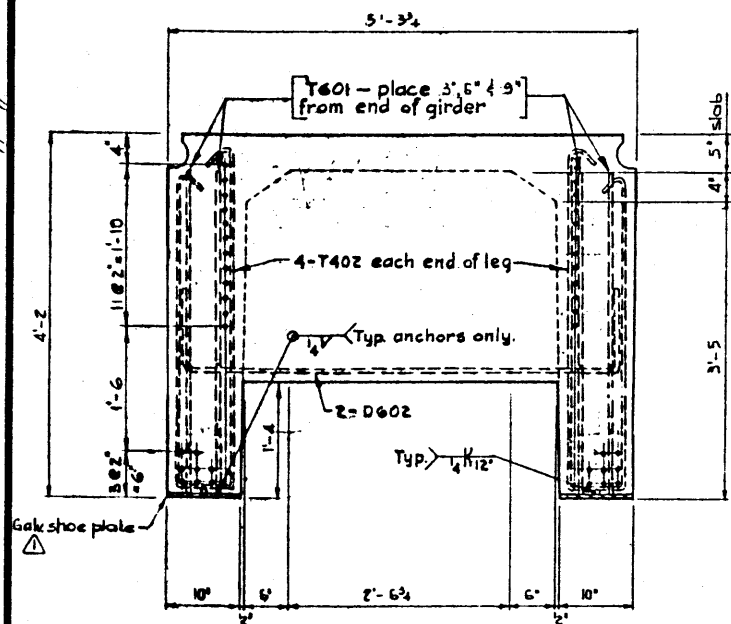
ELEVATION
N.T.S.

BAR TYPES
(All bar dimensions are out to out)

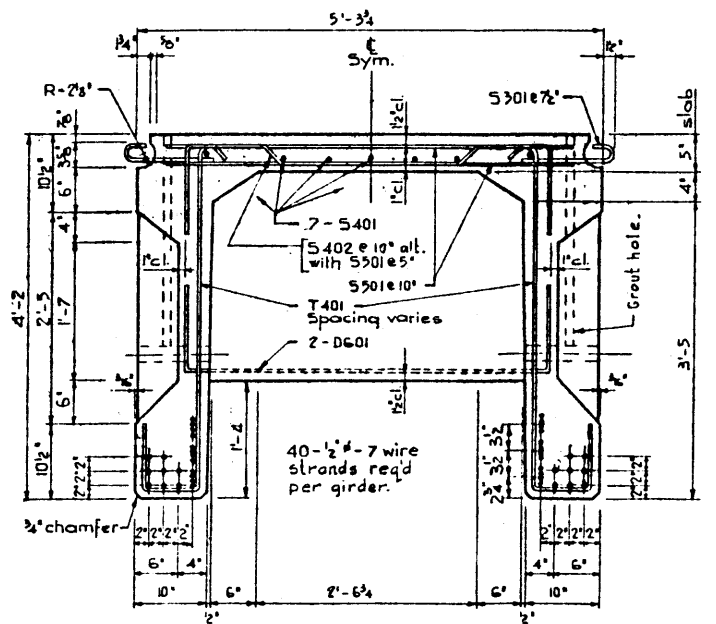


GENERAL NOTES:

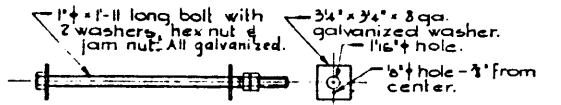
- DESIGN**
A.A.S.H.O. 1965 Specification.
- Loading: 0.90 of one wheel line of an H5 20 - 44 truck plus full dead load plus 2% wearing surface.
- MATERIALS**
- Prestressing steel is 270K 1/2" - 7-wire strand.
 - Concrete shall be of standard weight aggregate with a max. size of 3/4". Minimum compressive strength shall be 5000 p.s.i. at 28 days.
 - Entrained air shall be between 5% and 8%.
- 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 = 28% strand Design Load = 22% strand.
 - Concrete must attain 4000 p.s.i. compressive strength before the prestressing force is transferred.
 - Galvanizing shall be in accordance with A.S.T.M. Spec. A153.
 - Units are to conform to the requirements of the Alberta Bridge Branch Specification B190-64 for the Manufacture of Prestressed Concrete Bridge Units.
- ERECTION**
- Lifting force at each hook must be vertical at all times.
 - Girder surface must be level at all times.



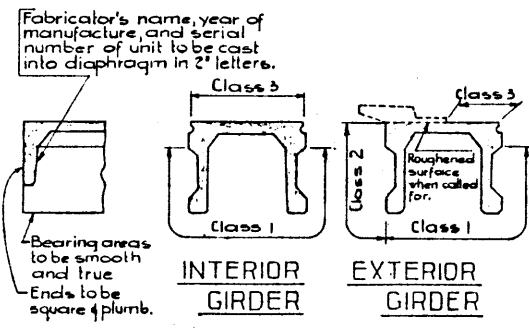
END VIEW
Scale: 1"=1'-0"



A - A
Scale: 1"=1'-0"



CONNECTOR BOLT



GIRDER FINISHES
N.T.S.

NO.	DATE	DESCRIPTION	BY
1	Mar. 3 69	Shoe Plate Anchor Bar	T.B.
2	Nov. 13 69	1" hole & galv shoe	R.Ch.

**PRESTRESSED CONCRETE
110'-0" TYPE FC-50 GIRDER**

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

FILE NO.	HWY. NO.	DWG. NO.
LOCATION	SCALE	5-965
STREAM	SHEET	OF

DESIGNED BY T. BELKE DATE FEBRUARY 1968
 CHECKED BY M. FILIAK DATE FEBRUARY 1968
 DRAWN BY [Signature] DATE [Signature] 1968