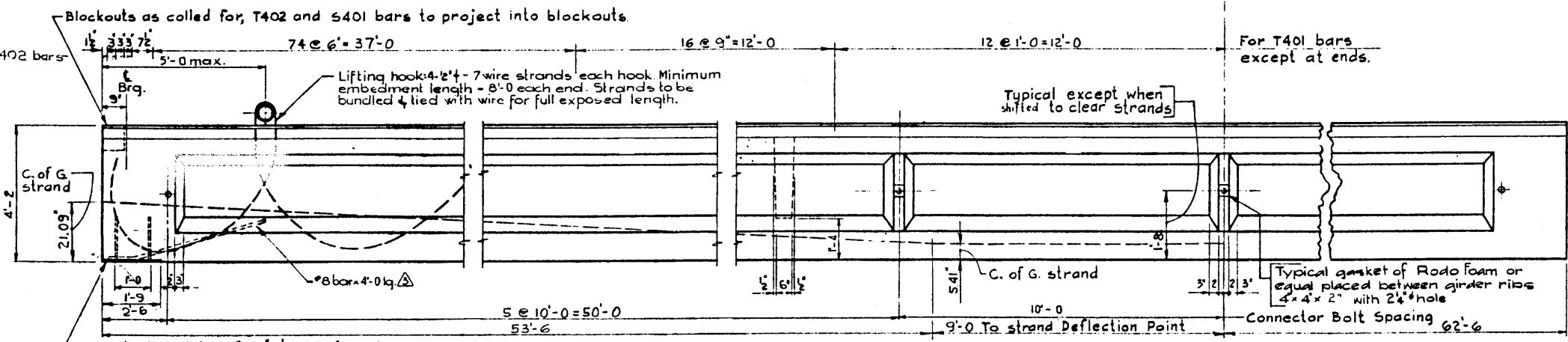


PLAN  
N.T.S.

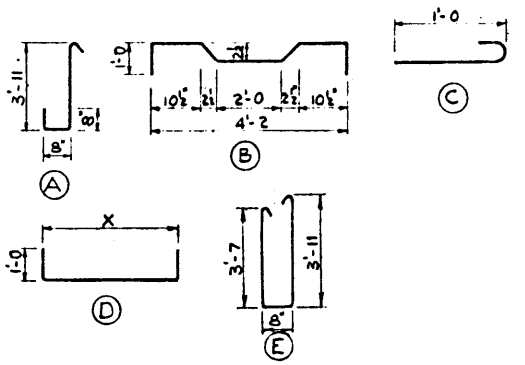
SKEW END  
Scale: 1/2"=1'-0"

BAR LIST For Unskewed Girder						
NO.	SIZE	QTY	TYPE	REMARKS	WEIGHT	UNIT
D601	6	8	D	4'-2"	6'-2"	74
D602	6	4	D	5'-0"	7'-0"	42
S301	3	400	C		1'-5"	213
S401	4	28	str		32'-0"	599
S402	4	150	B		6'-4"	635
S501	5	302	str		4'-9"	1,496
T401	4	410	A		5'-8"	1,552
T402	4	16	E		9'-0"	96
T601	6	24	str		3'-8"	132
					TOTAL Lbs:	4,839



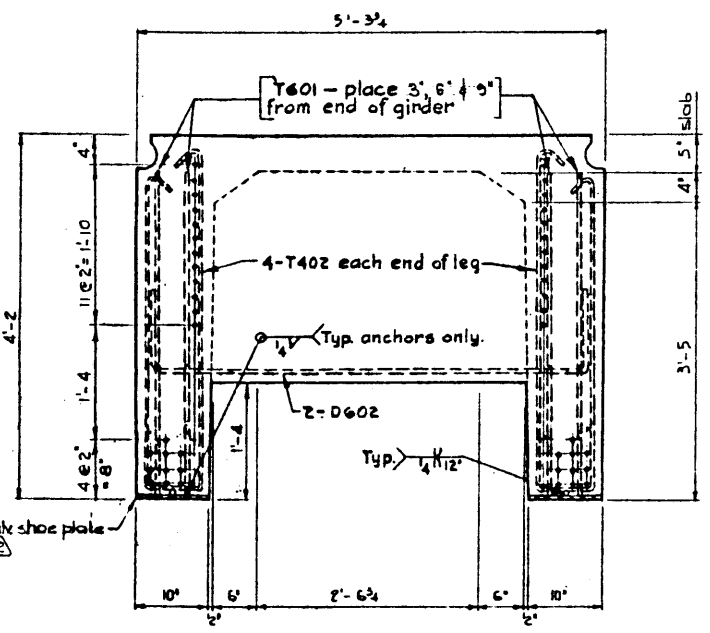
ELEVATION  
N.T.S.

BAR TYPES  
(All bar dimensions are out to out)

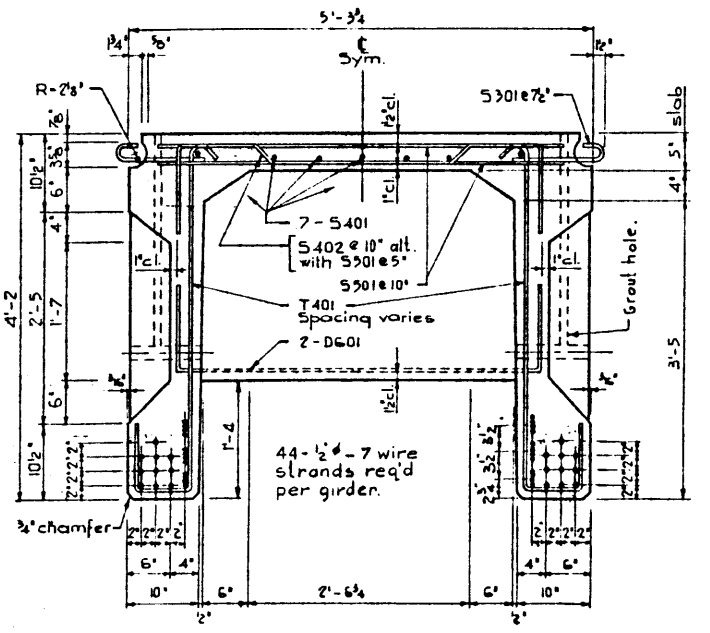


GENERAL NOTES :

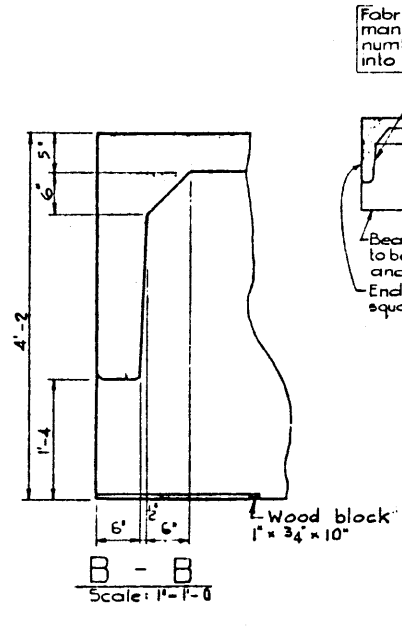
- DESIGN**  
 A.A.S.H.O. 1965 Specification.  
 A.C.I. 318-63 Shear Design,  $F_{sp} = 5.67$   
 Loading: 0.90 of one wheel line of an HS 20-44 truck plus full dead load plus 2 1/2" wearing surface.
- MATERIALS**  
 • Prestressing steel to 270K 1/2" x 7 wire strand  
 Light weight aggregate shall conform to the requirements of A.S.T.M. Specification C330 with max. aggregate size of 3/4". Min. 28 days compressive strength to be 5000 p.s.i. Unit weight of the concrete shall be 120 lbs. per cubic foot plus or minus 5% in the plastic state. Entrained air shall be not less than 5%.
- 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: 28.9 K Strand  
 Design Load = 21.9 K Strand
- Concrete must attain 4500 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.



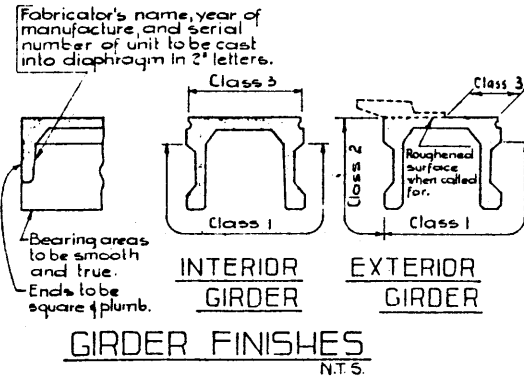
END VIEW  
Scale: 1"=1'-0"



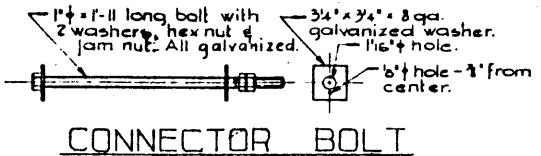
A - A  
Scale: 1"=1'-0"



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



GIRDER FINISHES  
N.T.S.



CONNECTOR BOLT

NO.	DATE	DESCRIPTION	BY
1	Mar 3 69	Shoe Plate Anchor Bar	T.B.
2	Nov 19 68	1" hole & galv shoe fl	R.C.H.
3	Sept 12 68	General Note	J.R.C.

PRESTRESSED CONCRETE  
125'-0" TYPE FC-50 GIRDER  
LIGHTWEIGHT UNIT

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

FILE NO. \_\_\_\_\_ HWY. NO. \_\_\_\_\_ DWS. NO. \_\_\_\_\_  
 LOCATION \_\_\_\_\_ SCALE \_\_\_\_\_ SHEET \_\_\_\_\_ OF \_\_\_\_\_  
 5-968

DESIGNED BY T. BELKE DATE FEBRUARY 1968  
 CHECKED BY M. FURIAK DATE FEBRUARY 1968  
 CHECKED BY [Signature] DATE July 19 69