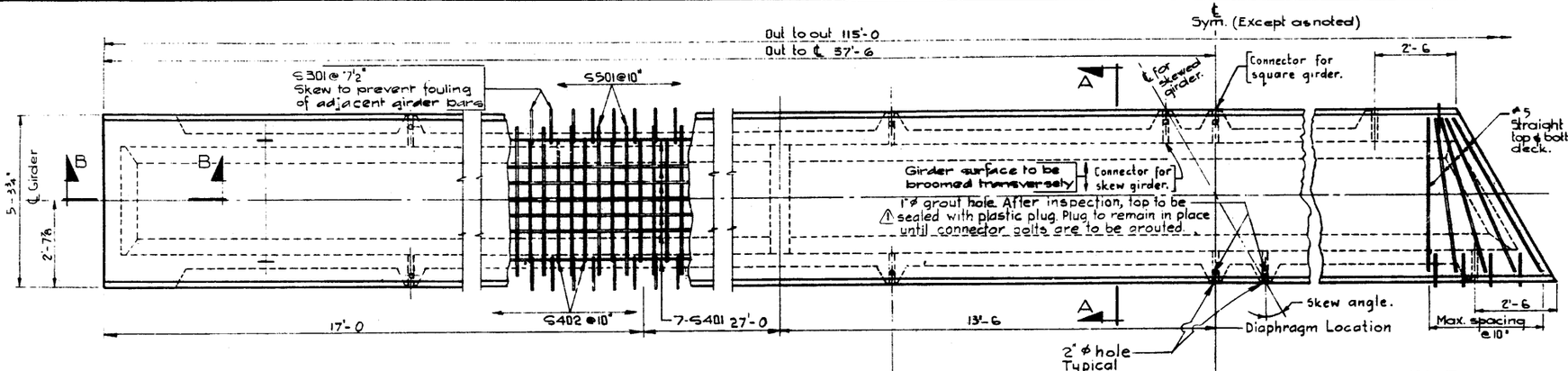
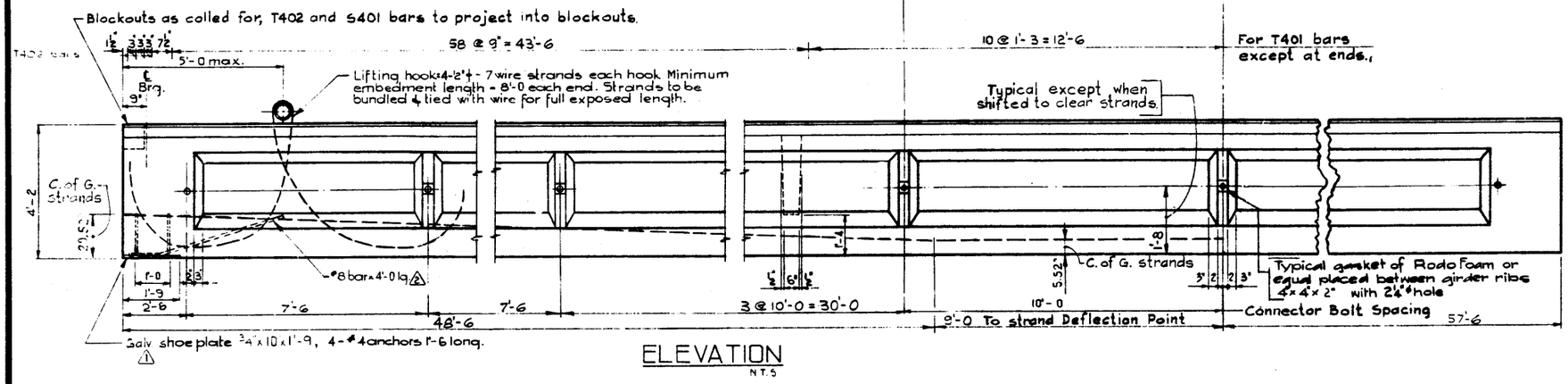


PLAN
N.T.S.

SKEW END
Scale: ½"=1'-0

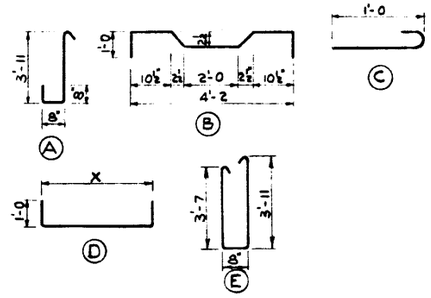


ELEVATION
N.T.S.

BAR LIST For Unskewed Girder							
MARK							
D601	6	8	D	4'-2		6'-2	74
D602	6	4	D	5'-0		7'-0	42
S301	3	368	C			1'-5	196
S401	4	21	str.			39'-0	547
S402	4	138	B			6'-4	584
S501	5	278	str.			4'-9	1377
T401	4	274	A			5'-8	1037
T402	4	16	E			9'-0	96
T601	6	24	str.			3'-8	132

TOTAL Lbs: 4,085

BAR TYPES
(All bar dimensions are out to out)



GENERAL NOTES :

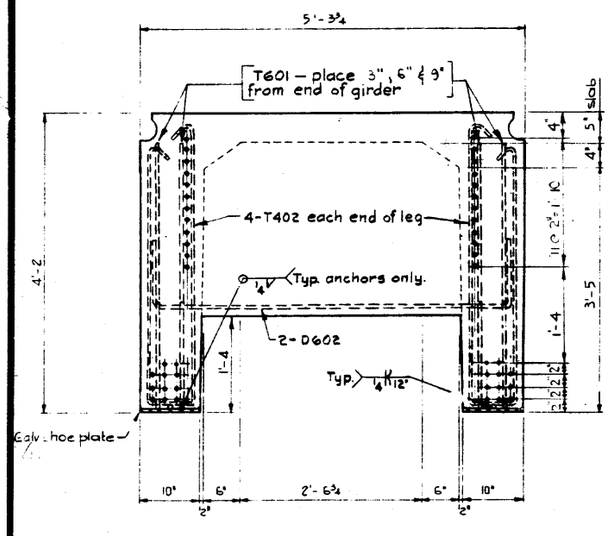
DESIGN
A.A.S.H.O. 1965 Specification.

Loading: 0.90 of one wheel line of an H.S. 20 - 44 truck plus full dead load plus 2½" wearing surface.

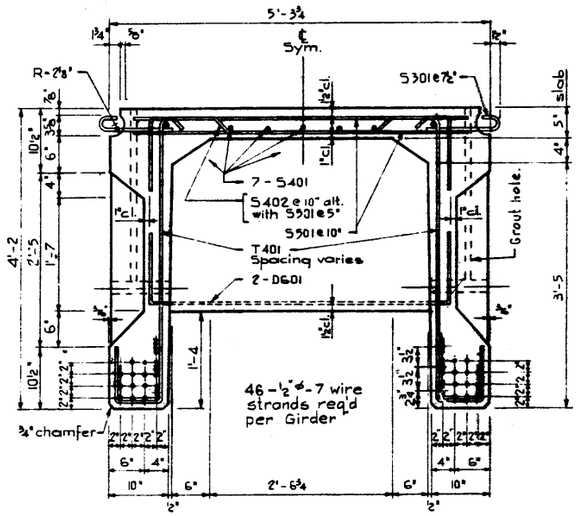
MATERIALS
- Prestressing steel is 270 K 2"ø - 7 wire strand.
- Concrete shall be of standard weight aggregate with a max. size of ¾" Minimum compressive strength shall be 5000 p.s.i. at 28 days Entrained air shall be between 5% and 8%

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 = 89 K Strand
  Design Load = 214 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.

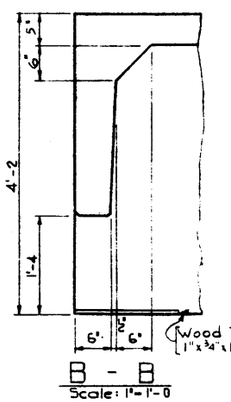
ERECTION
- Lifting force at each hook must be vertical at all times.
- Girder surface must be level at all times.



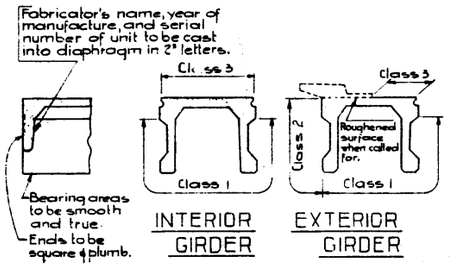
END VIEW
Scale: 1"=1'-0



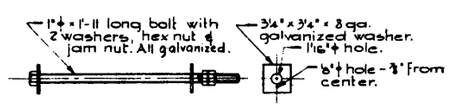
A - A
Scale: 1"=1'-0



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



GIRDER FINISHES
N.T.S.



CONNECTOR BOLT

NO.	DATE	DESCRIPTION	BY
3	Mar. 3.69	Shoe Plate Anchor Bar	T. B.
2	Nov 19/68	1"ø hole & galv shoe pl.	R.ch
1			

REVISIONS

DESIGNED BY T. BELKE DATE FEBRUARY 1968
DETAILED BY M. FILIPIAK DATE FEBRUARY 1968
CHECKED BY DATE 1968

PRESTRESSED CONCRETE 115'-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 S-966
STREAM SHEET OF

MP-174