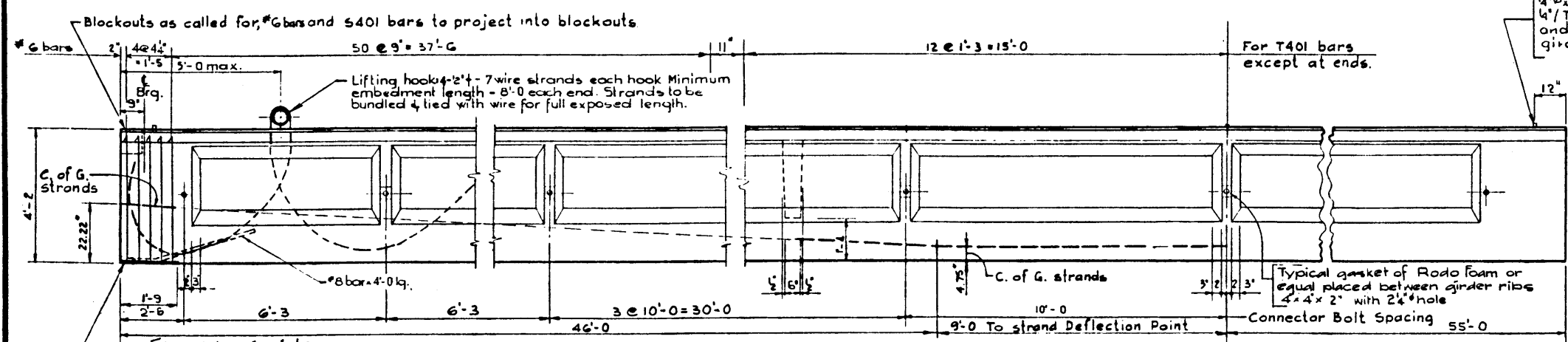
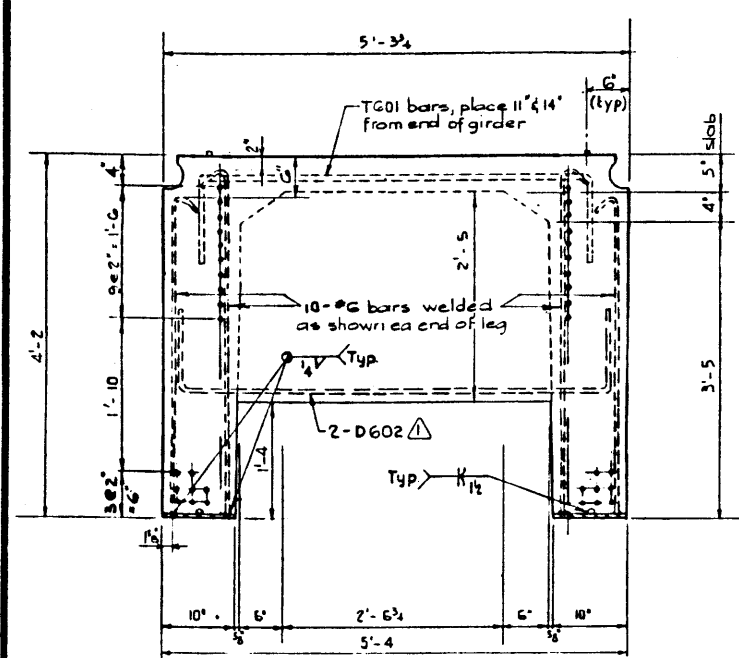


PLAN
N.T.S.

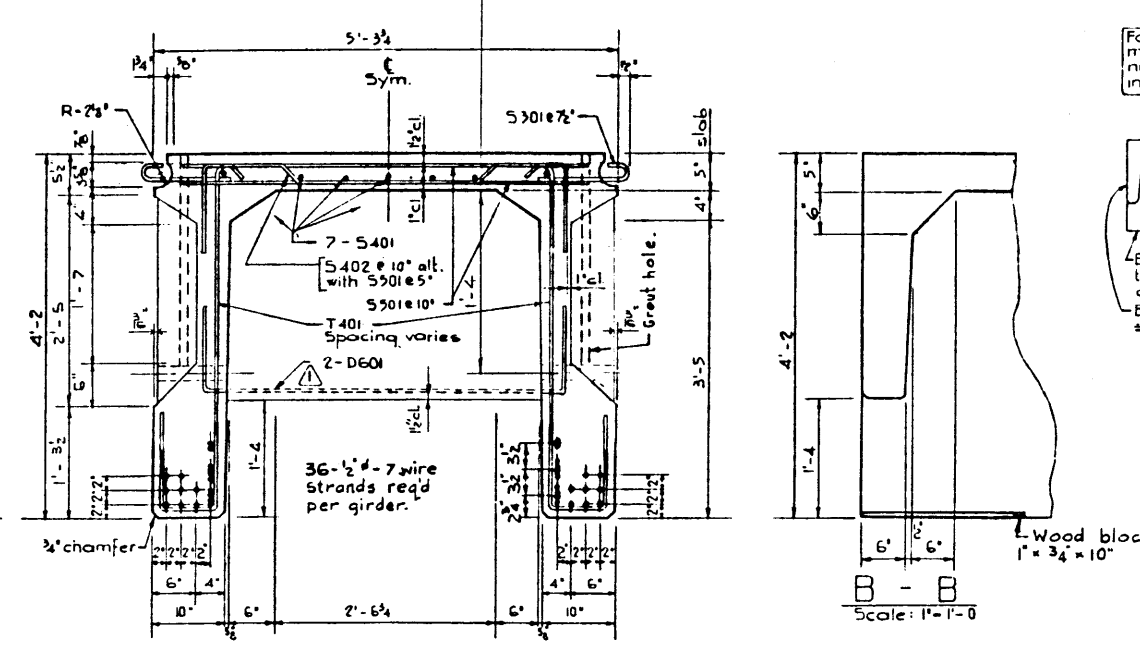
SKEW END
Scale: 1/2"=1'-0"



ELEVATION
N.T.S.

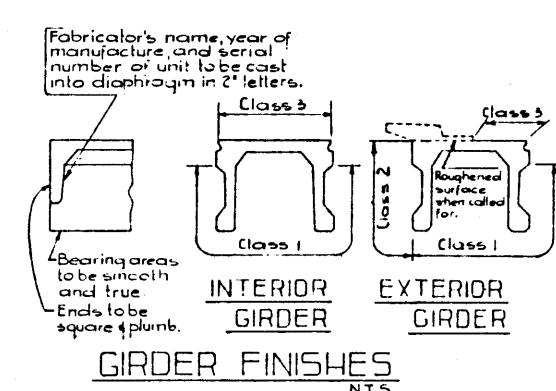


END VIEW
Scale: 1"=1'-0"



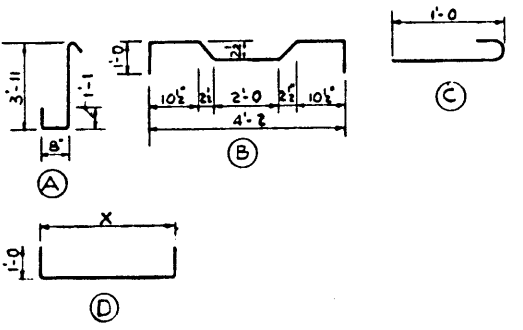
A-A
Scale: 1"=1'-0"

CONNECTOR BOLT



MARK	SIZE	NO.	INH	"x"	"y"	LENGTH	WEIGHT
D601	6	8	D	4'-2"		6'-2"	74
D602	6	4	D	5'-0"		7'-0"	42
5301	3	352	C			1'-5"	188
5401	4	21	str			37'-4"	524
5402	4	152	B			6'-4"	558
5501	5	266	str			4'-9"	1318
T401	4	254	A			6'-0"	1018
T601	6	4	D	4'-6"		6'-6"	39
							TOTAL Lbs: 3761

BAR TYPES
(All bar dimensions are out to out)



GENERAL NOTES:

- DESIGN**
A.A.S.H.O. 1965 Specification.
ACI 318-63, Shear Design, Fsp = 3.67
Loading: 0.90 of one wheel line of an H.S. 20-44 truck plus full dead load plus 2" wearing surface.
- MATERIALS**
• Prestressing steel is 270K 1/2" x 7-wire strand.
• Light weight aggregates shall conform to the requirements of A.S.T.M. Specification C580 with max. aggregate size of 3/4". Min. 28 day 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 = 85% Strand Design Load = 22.6K 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.

PRESTRESSED CONCRETE
110'-0" TYPE FC-50A GIRDER
LIGHTWEIGHT CONCRETE

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

FILE NO. _____ HWY. NO. _____ DWG. NO. _____
LOCATION _____ SCALE _____ OF _____
STREAM _____ SHEET _____ OF _____

NO. DATE DESCRIPTION BY

REVISIONS

DESIGNED BY Shik Lee. DATE June 1971
 DETAIL BY V. Boychuk. DATE June 1971
 CHECKED BY T. Bzlik. DATE June 1971