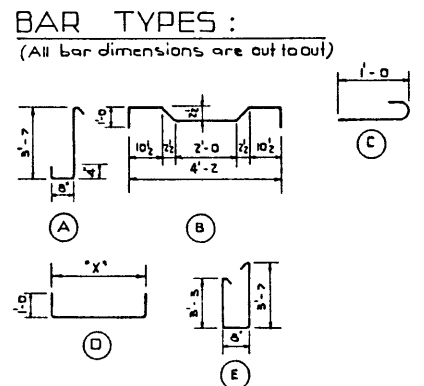
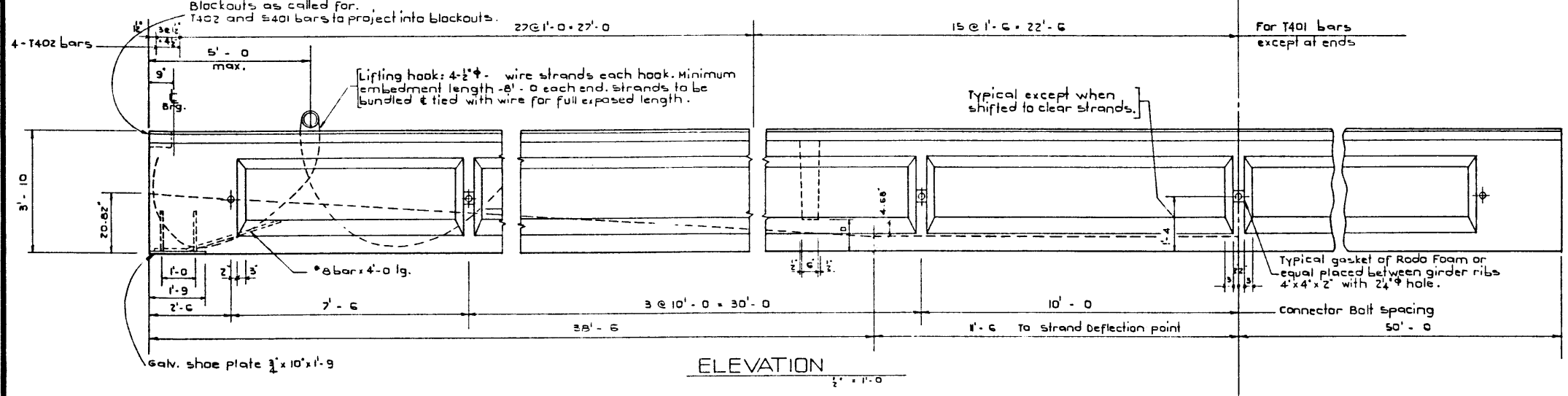


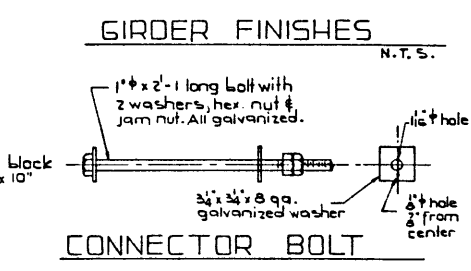
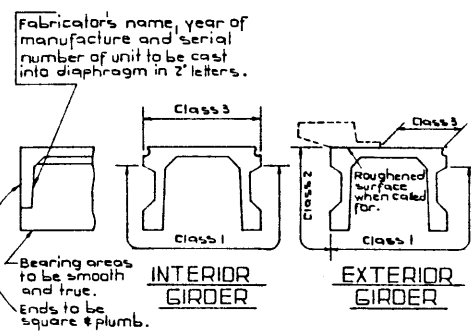
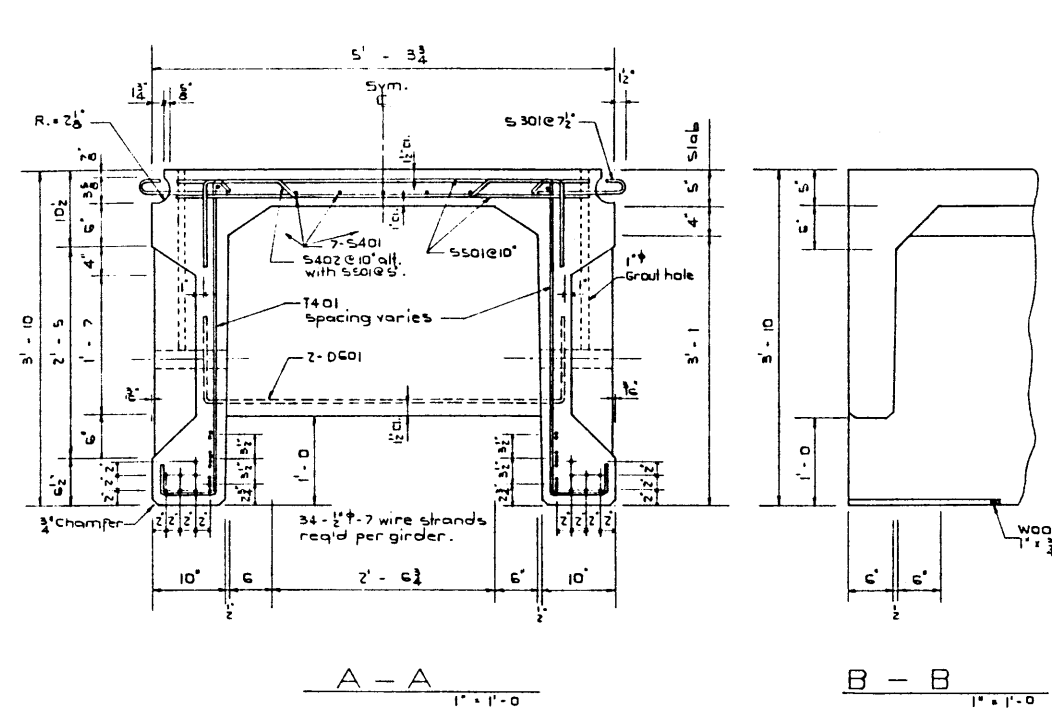
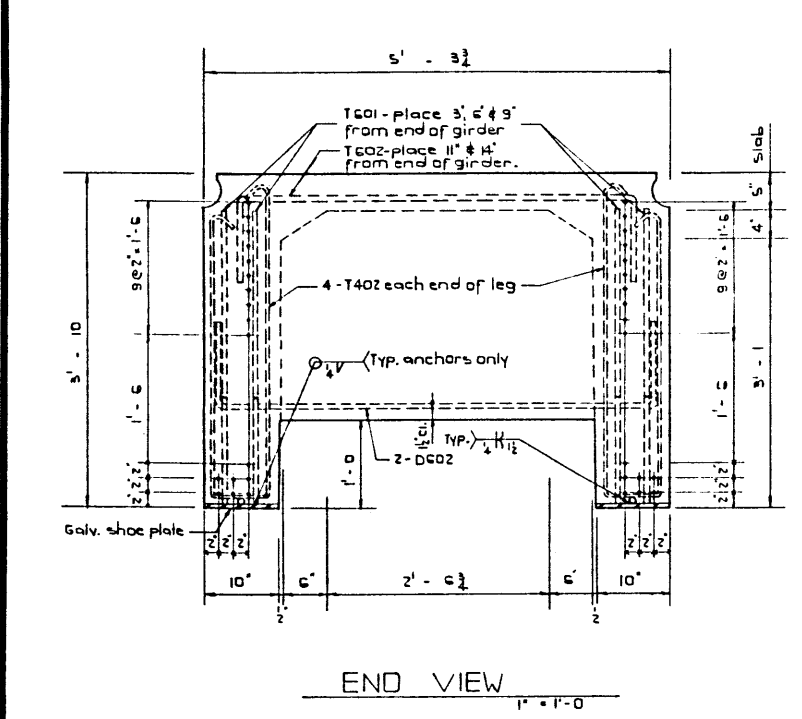
BAR LIST For Unskewed Girder							
MARK	SIZE	NO	TYPE	"X"	"Y"	LENGTH	WEIGHT
D 601	6	8	D	4'-2		6'-2	74
D 602	6	4	D	5'-0		7'-0	42
S 301	3	322	C			1'-5	172
S 401	4	21	Skr.			34'-0	477
S 402	4	120	B			6'-4	508
S 501	5	242	Skr.			4'-9	1199
T 401	4	166	A			5'-0	554
T 402	4	16	E			8'-4	89
T 601	6	24	Skr.			3'-4	120
T 602	6	4	D	4'-6		6'-6	39
Total lbs.:							3274



- GENERAL NOTES :**
- DESIGN**
• A.A.S.H.O. 1965 Specification.
- Loading: 0.90 of one wheel line of an H520-44 truck plus full dead load plus 2 1/2" 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 = 28.91% strand Design Load = 23.44% strand
- Concrete must attain 4100 p.s.i. compressive strength before the prestressing force is transferred.
- Galvanizing that be in accordance with A.S.T.M. Spec. A153
- Units are to conform to the requirements of the Alberta Bridge Branch Specification B190-C4 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.



DESIGNED BY: Shik Lee
 DATE: March 19 69
 CHECKED BY: L. Kohmann
 DATE: March 19 69

NO.	DATE	DESCRIPTION	BY

PRESTRESSED CONCRETE
100'-0 TYPE FC-46" GIRDER

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

FILE NO. _____ HWY. NO. _____ DWG. NO. _____
 LOCATION _____ SCALE _____ 5-982
 STREAM _____ SHEET _____ OF _____