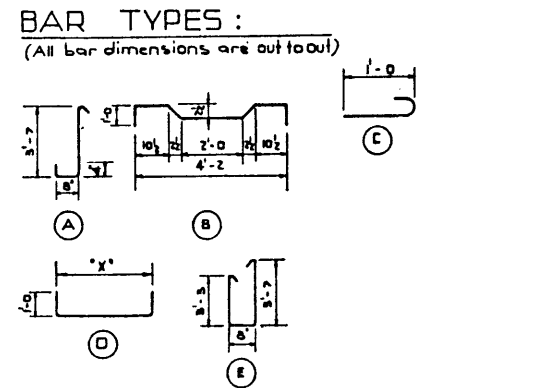
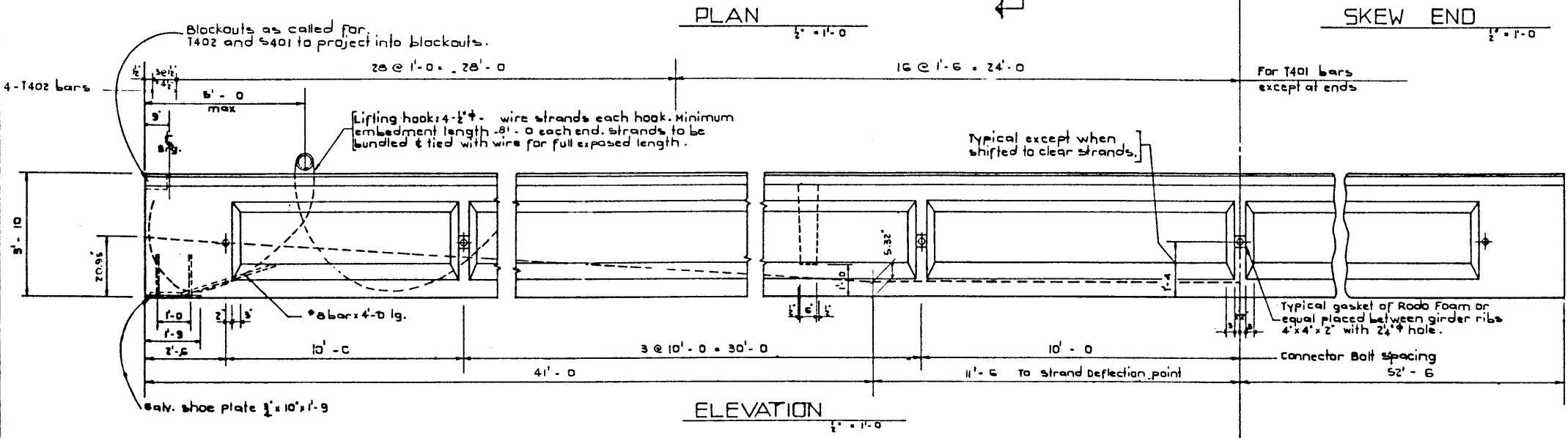


BAR LIST For Unskewed Girder							
MARK	SIZE	NO	TYPE	"X"	"Y"	WEIGHT	WEIGHT
D 601	6	8	D	4'-2	7'	6'-2	74
D 602	6	4	D	5'-0		7'-0	42
S 501	3	336	C			1'-5	180
S 401	4	21	Skr.			35'-8	500
S 402	4	126	B.			6'-4	533
S 501	6	254	Skr.			4'-9	1258
T 401	4	174	A			8'-0	581
T 402	4	16	E			8'-4	89
T 601	6	24	Skr.			9'-4	120
T 602	6	4	D	4'-6		6'-6	33
Total lbs:							5,416



GENERAL NOTES:

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

• Loading: 0.90 of one wheel line of an H20-44 truck plus full dead load plus 2 1/2" wearing surface.

MATERIALS
 • Prestressing steel is 270K 1/2"-7 wire strand.
 • Concrete will 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% & 8%.

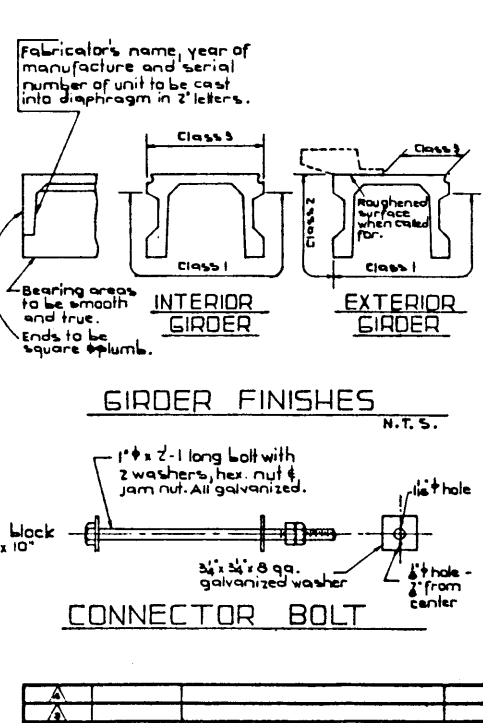
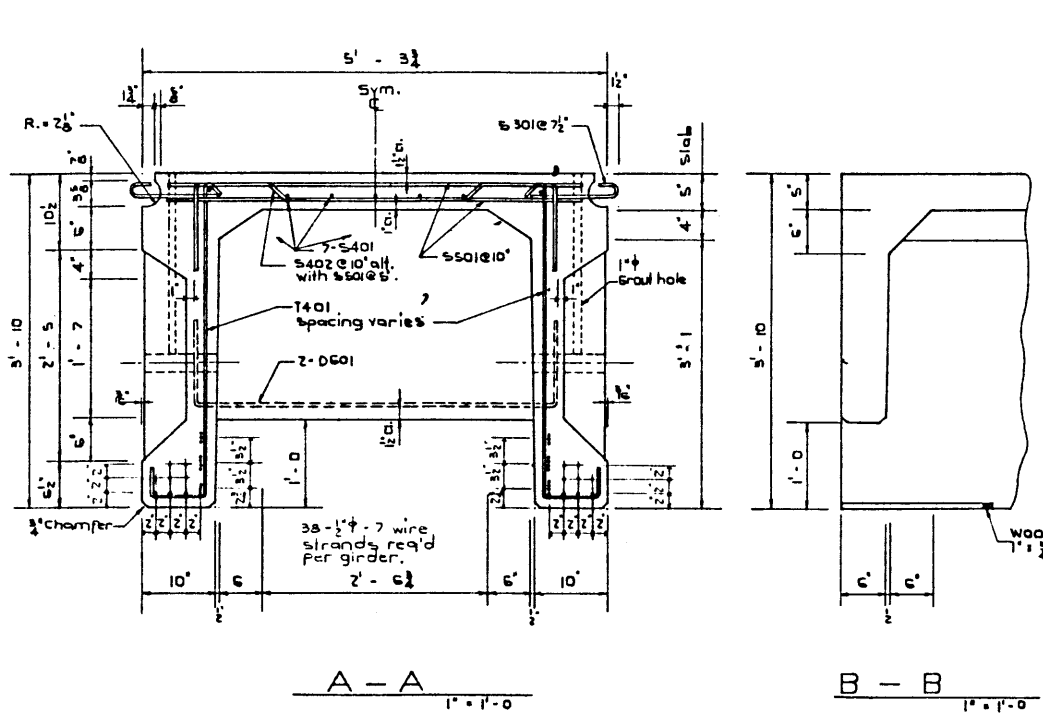
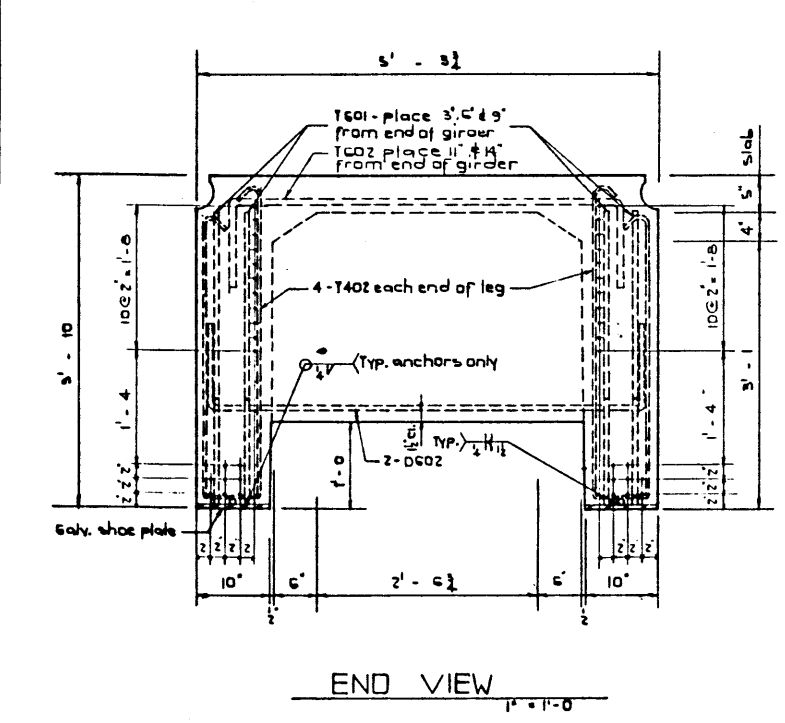
FABRICATION
 • Reinforcement: Diameters of all bends shall conform to the recommended sizes and all hooks, unless otherwise noted, shall conform to the recommended sizes detailed in the A.C.I. Manual of Standard Practice for Detailing Reinforced Concrete Structures.

• Prestressing steel: Initial tensioning load = 28.91 K/strand
 Design Load = 23.01 K/strand

• Concrete must attain 4460 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-C4 for the Manufacture of Prestressed Concrete Bridge Units.

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



Design checked

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PRESTRESSED CONCRETE
105'-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	5-983
STREAM	SHEET	OF

DESIGNED BY: Shik Lee
 CHECKED BY: L. Kohlmann
 DATE: March 1955
 DATE: March 1955
 DATE: