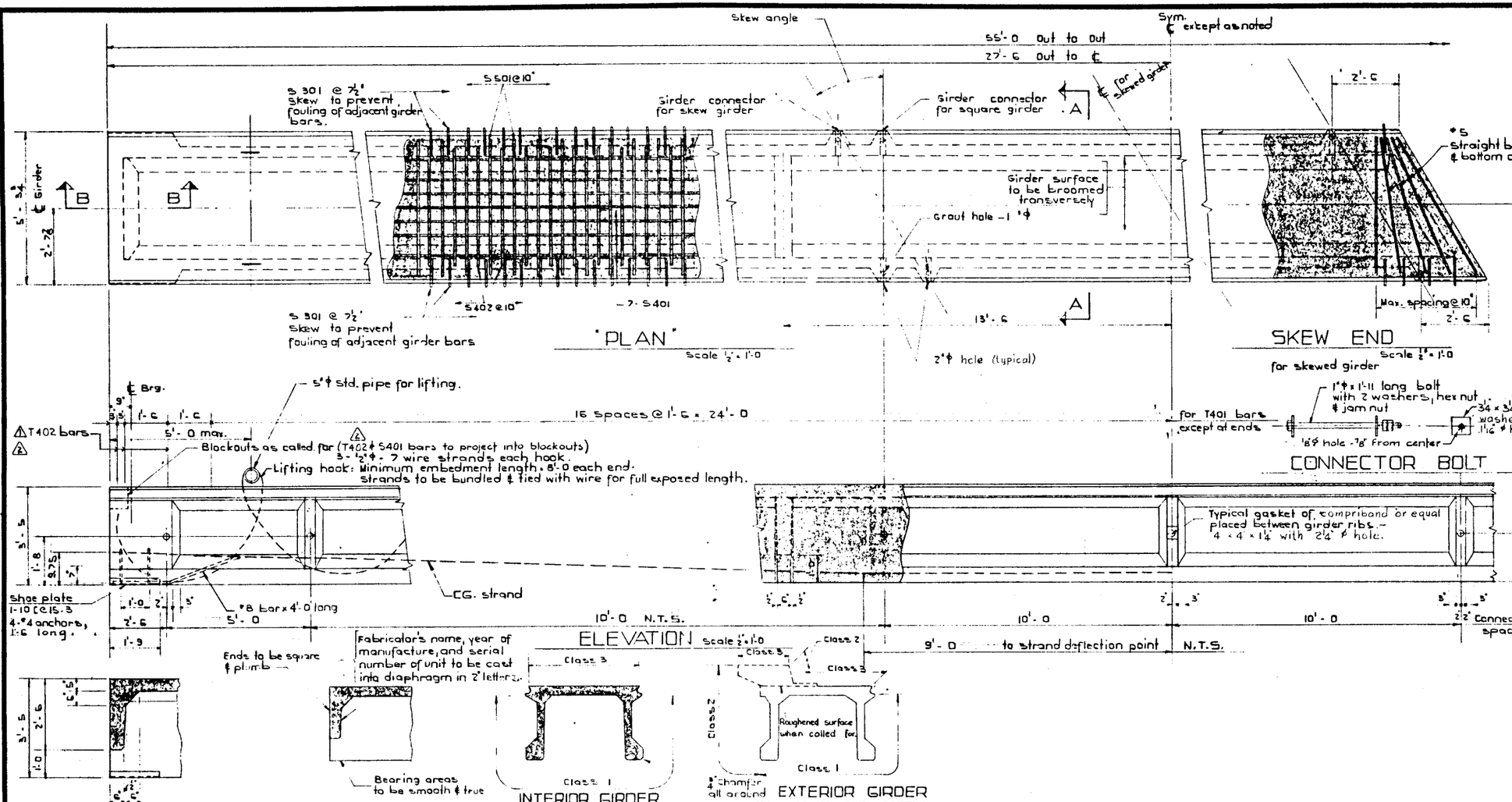
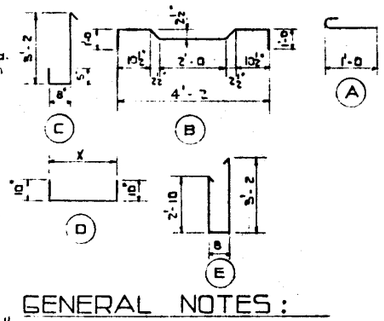


BAR LIST For unskewed Girder

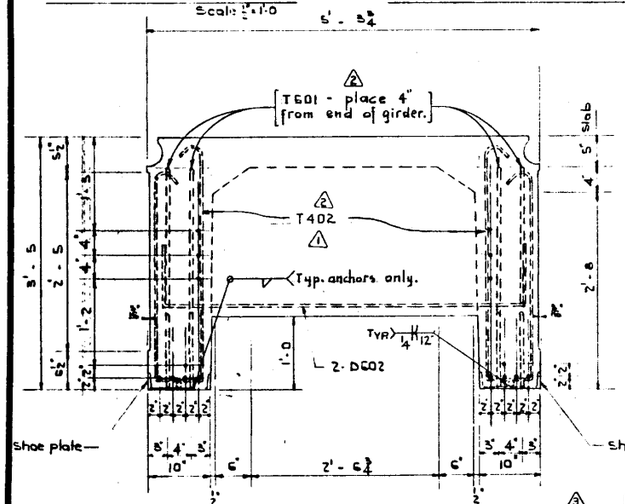
MARK	SIZE	NO	TYPE	"X"	"Y"	LENGTH	WEIGHT
S 301	3	176	A			1'-6	99
S 401	4	14	Str.			28'-0	262
S 402	4	66	B			6'-4	279
S 501	5	134	Str.			4'-9	664
T 401	4	66	C			4'-9	209
D 601	6	4	D	4'-2		5'-10	35
D 602	6	4	D	6'-0		8'-8	40
T 402	4	12	E			7'-6	61
T 601	6	8	Str.			2'-11	39

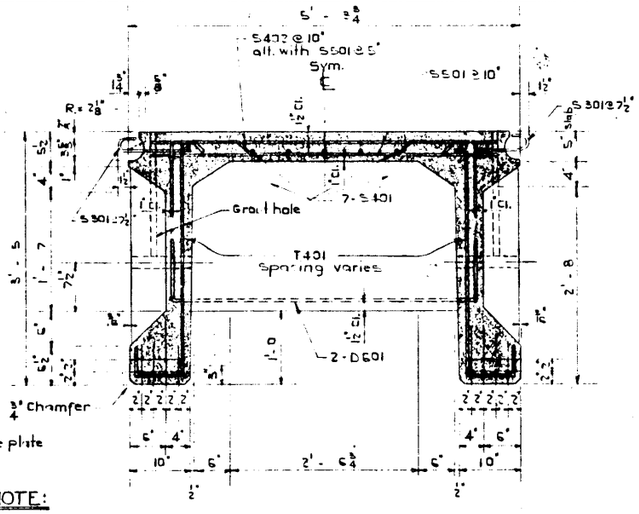
Total lbs: 1,649
⚠1 1,723
⚠2 1,684

BAR TYPES :
(All bar dimensions are out to out)



GIRDER FINISHES N.T.S.





⚠3 NOTE:
16 - ½" ϕ 7 wire strand, required per girder

GENERAL NOTES :

DESIGN
A.A.S.H.O. 1961 Specification

Loading : 0.97 of one wheel line of an H20-S16-44 truck plus full dead load plus 2" wearing surface

MATERIALS
Concrete shall be of standard weight aggregate with a maximum size of ¾". Minimum compressive strength shall be 5000 p.s.i. at 28 days. Entrained air shall be not less than 5%.

Prestressing steel is ½" ϕ - 7 wire strand.

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 . . . 25.2 K/strand
Design Load . . . . . 20.2 K/strand

Concrete must attain 4000 p.s.i. compressive strength before the prestressing force is transferred.

Units are to conform to the requirements of the Alberta Bridge Branch, Specifications for the Manufacture of Prestressed Concrete Bridge Units.

ERECTION
Lifting force at each hook must be vertical at all times.
Girder surface must be kept [illegible]

SUPERSEDED (J)

Superseded by Dwg. S-878.

NO.	DATE	DESCRIPTION	BY
		REVISIONS	
⚠4	Oct. 2/64	No. of strands added	V.G.B
⚠3	July 3/64	End block rebars.	P.H.Q.
⚠2	June 2/64	End block rebars	D.H.Q.
⚠1			

DESIGNED BY
DETAILED BY L. Kohlmann DATE February 19 64
CHECKED BY DATE 19

PRESTRESSED CONCRETE 55'-0 TYPE FC GIRDER

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

FILE NO. _____ HWY. NO. _____ DWG. NO. S-851
LOCATION _____ SCALE _____
STREAM _____ SHEET ____ OF ____

MP 143

Digital