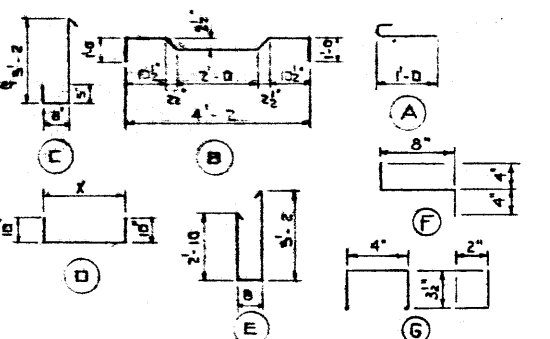


BAR LIST For unskewed Girder

MAX	MIN	TYPE	LENGTH	WEIGHT
S 301	3	3G2 A	1'-6"	170
S 401	4	21 Str.	6'-4"	454
S 402	4	114 B	4'-9"	482
S 501	5	226 Str.	4'-9"	1,120
T 401	4	154 C	4'-9"	489
D 601	6	6 D	4'-2"	53
D 602	6	8 D	6'-0"	40
T 402	4	5 E	7'-6"	30
T 601	6	24 Str.	2'-11"	105
T 404	4	116 F	1'-4"	105
T 403	4	116 G	1'-3"	99
S 901	9	4 Str.	60'-0"	816

Total lbs: 4,013

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 H5 20-44 truck plus full dead load plus 2" wearing surface

MATERIALS
Prestressing steel shall be 1/2" - 7 wire strand conforming to A.S.T.M. Spec. A416. $A_s = 0.152$ sq. in. $f_y = 270$ k.s.i.
Lightweight aggregate shall conform to the requirements of A.S.T.M. Spec. C 530 with max aggregate size 3/4" Min 28 days compressive strength to be 5,000 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 bars 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 = 28.9 k strand Design Load = 21.6 k strand
Concrete must obtain 4,000 p.s.i. compressive strength before the prestressing force is transferred.

ERECTOR
Units are to conform to the requirements of the Alberta Bridge Branch Specification B50-64 for the Manufacture of Prestressed Concrete Bridge Units.
Bolting to be in accordance with A.S.T.M. Specification A153.

ERECTOR
Lifting force on each end shall be equal at all times.
Girder surface may be level of all times.

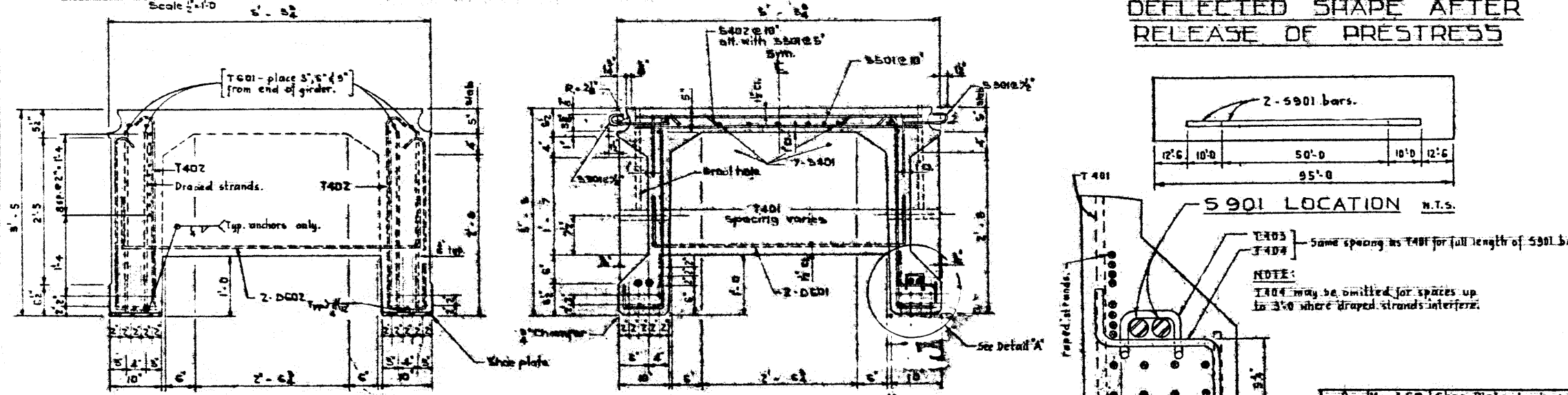
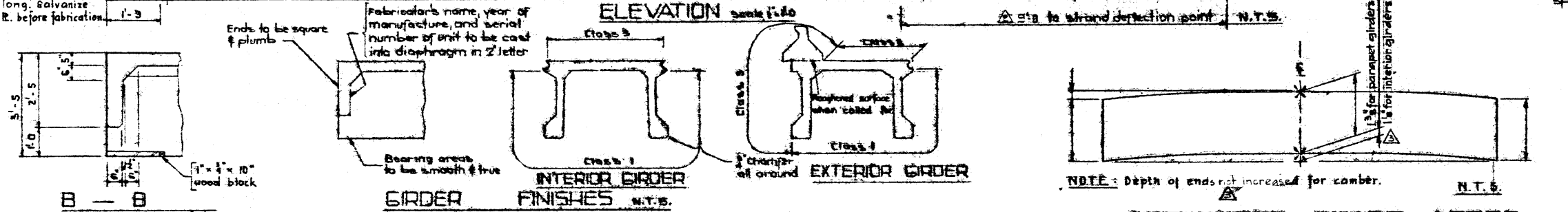
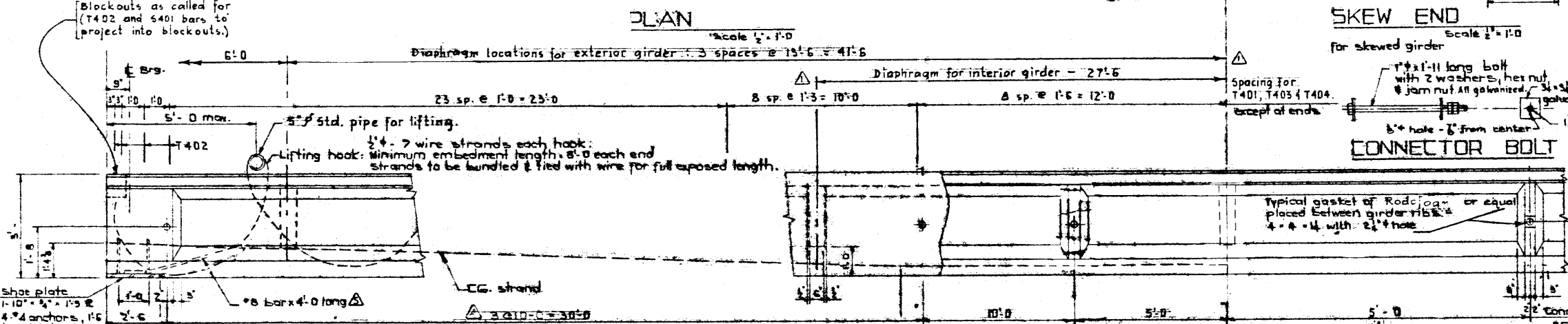
SUPERSEDED
BY 3-375-71

PRESTRESSED CONCRETE
95'-0" TYPE FC GIRDER
LIGHTWEIGHT CONCRETE

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

NO.	DATE	DESCRIPTION	BY
1	Mar. 3-69	Shoe Plate Anchor Bar	T.B.
2	Apr. 17-69	Dimension	C.W.B.
3	Apr. 7-69	Camber added	C.W.B.
4	Jan. 27-69	Strand deflection	T.B.
5	Jan. 27-69	Diaphragm rib spacing	C.W.B.

FILE NO. _____ REV. NO. _____ SHEET NO. _____
LOCATION _____ SCALE _____ OF _____
STRAIN _____



NOTE: 34-1/2" 7 wire strands required per girder.

REVISIONS

NO.	DATE	DESCRIPTION	BY
1	Mar. 3-69	Shoe Plate Anchor Bar	T.B.
2	Apr. 17-69	Dimension	C.W.B.
3	Apr. 7-69	Camber added	C.W.B.
4	Jan. 27-69	Strand deflection	T.B.
5	Jan. 27-69	Diaphragm rib spacing	C.W.B.

DESIGNED BY: B. Peterson
DATE: Dec. 1966
CHECKED BY: T. Seike
DATE: Dec. 1968

DETAILED BY: L. Kohlmann & B.M. Saulticki
DATE: Dec. 1968