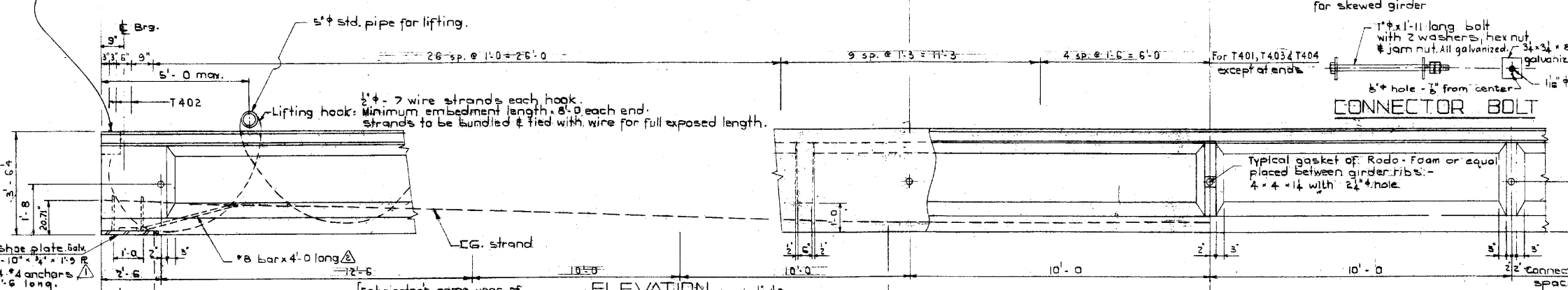
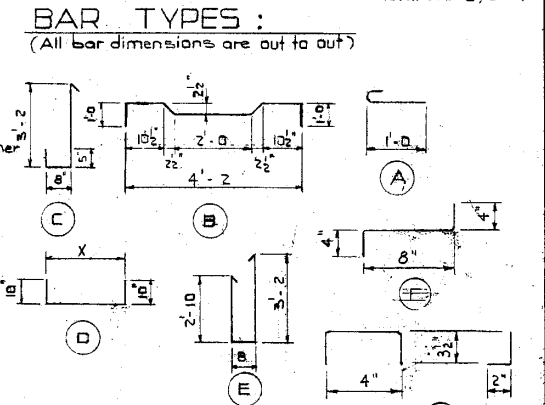


BAR LIST FOR Unskewed Girder						
MARK	SIZE	NO	TYPE	LENGTH	WEIGHT	
S 301	3	288	A	11'-6"	122	
S 401	4	21	Str.	30'-8"	430	
S 402	4	108	B	5'-4"	456	
S 501	5	218	Str.	4'-9"	1,080	
T 401	4	158	C	4'-9"	501	
D 601	6	4	D	4'-2"	35	
D 602	6	4	D	5'-0"	40	
T 402	4	12	E	7'-6"	61	
T 601	6	24	Str.	2'-11"	105	
T 404	4	122	F	1'-4"	109	
T 403	4	122	G	1'-3"	102	
S 901	9	4	Str.	30'-0"	816	
					Total lbs.	3,897



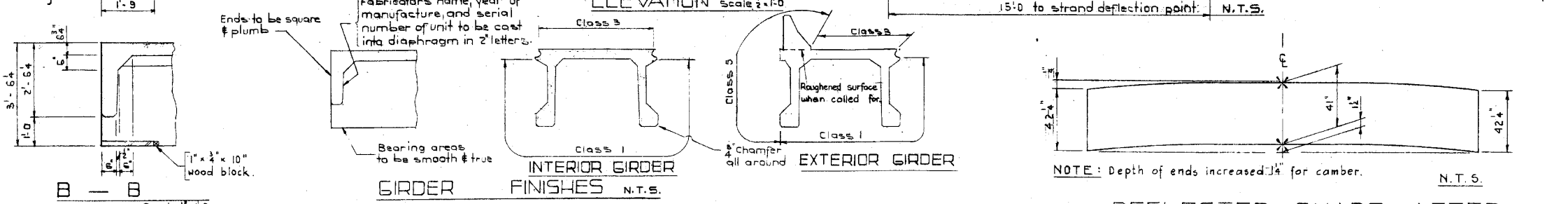
GENERAL NOTES

DESIGN

A.A.S.H.O. 1965 Specification

A.C.I. 318-63 Shear Design, $F_s p = 5.67$

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



MATERIALS

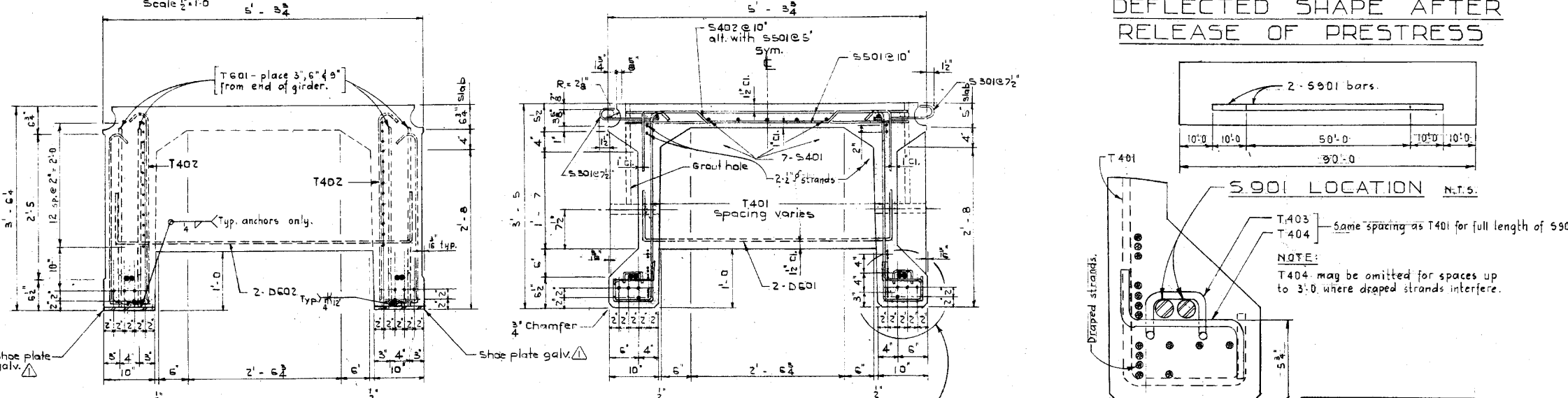
Prestressing steel shall be 1/2" - 7 wire strand conforming to A.S.T.M. Spec. A416. $A_s = 0.152$ sq. in. $f_y = 270$ k.s.i. Lightweight aggregate shall conform to the requirements of A.S.T.M. Specification C330 with max. aggregate size 3/8". Min. 28-days compressive strength to be 5,000 p.s.i. Unit 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 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: 28.9 k strand Design Load: 21.5 k strand

Concrete must attain 4,000 p.s.i. compressive strength before the prestressing force is transferred.



ERECTOR

Lifting force at each hook must be vertical at all times.

Girder surface must be level at all times.

SUPERSEDED APR 9 - 1973
BYS 977-73

PRESTRESSED CONCRETE
90'-0" TYPE FC GIRDER
LIGHTWEIGHT CONCRETE

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

FILE NO. _____ HWY. NO. _____ DWS. NO. _____
LOCATION _____ SCALE _____
SHEET _____ OF _____

NO. DATE DESCRIPTION BY

REVISIONS

Mar. 3, 1969 Shoe Plate Anchor Bar T.B.
Nov. 20, 68 1" hole & galv. shoe P. R.Ch.

MP. 143

DESIGNED BY R. M. Kornelsen
DATE Sept. 19, 1968
CHECKED BY B. W. Sawicki
DATE Oct. 19, 1968

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

Scale 1" = 1'-0"

NO.	DATE	DESCRIPTION	BY
1	Mar. 3, 1969	Shoe Plate Anchor Bar	T.B.
2	Nov. 20, 68	1" hole & galv. shoe P.	R.Ch.