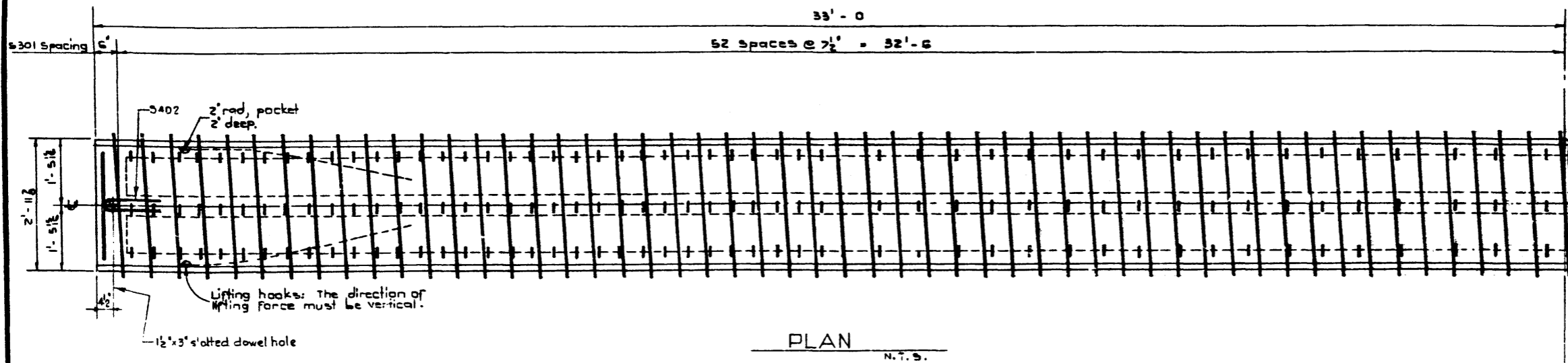
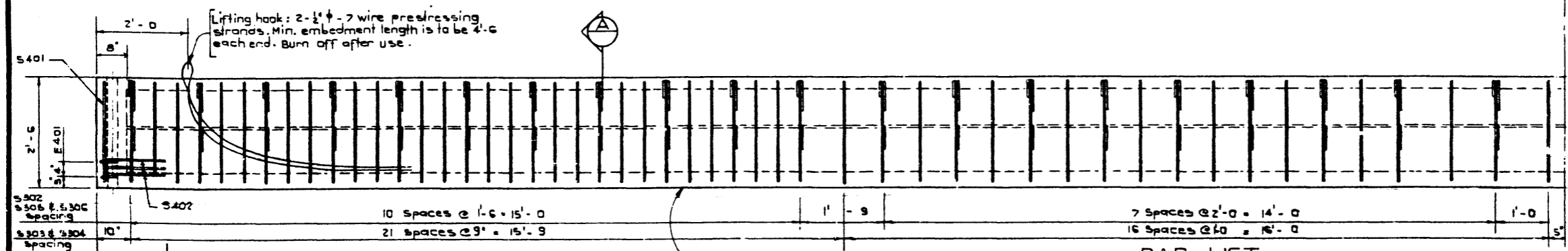


Sym.  
except for bar skew



PLAN  
N.T.S.



ELEVATION  
N.T.S.

Debanding arrangement for bottom layer of strands.

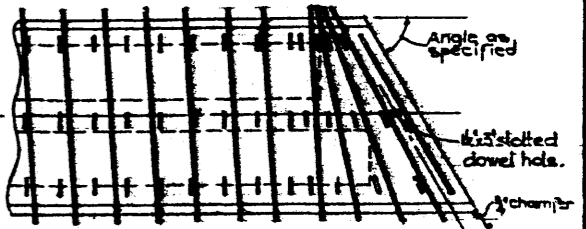
6 strands	0
5	3'-0"
4	4'-0"
3	5'-0"
2	7'-0"

Fabricator's name, year of manufacture & serial no. of unit to be cast into bottom of slab in 2" letters.

BAR LIST

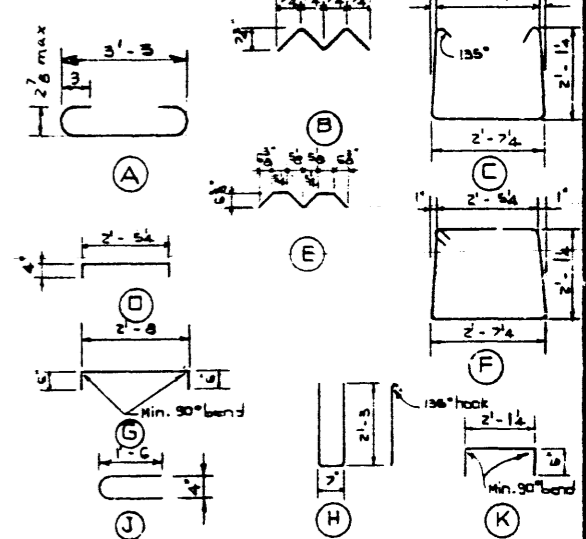
Mark	Size	No.	Type	Length	Weight
S 301	3	105	A	3'-0"	155
S 302	3	36	D	3'-1"	44
S 303	3	76	C	7'-6"	214
S 304	3	76	K	3'-1"	88
S 305	3	38	B	3'-0"	52
S 401	4	2	F	10'-1"	13
E 401	4	4	G	3'-8"	10
E 501	5	4	H	6'-0"	24
S 306	3	30	E	3'-11"	56
S 402	4	6	J	8'-2"	13

Total Lbs: 669



SKewed END STEEL  
NOTE: Similar to square stringer but length and placing to suit skew.

BAR TYPES: N.T.S.



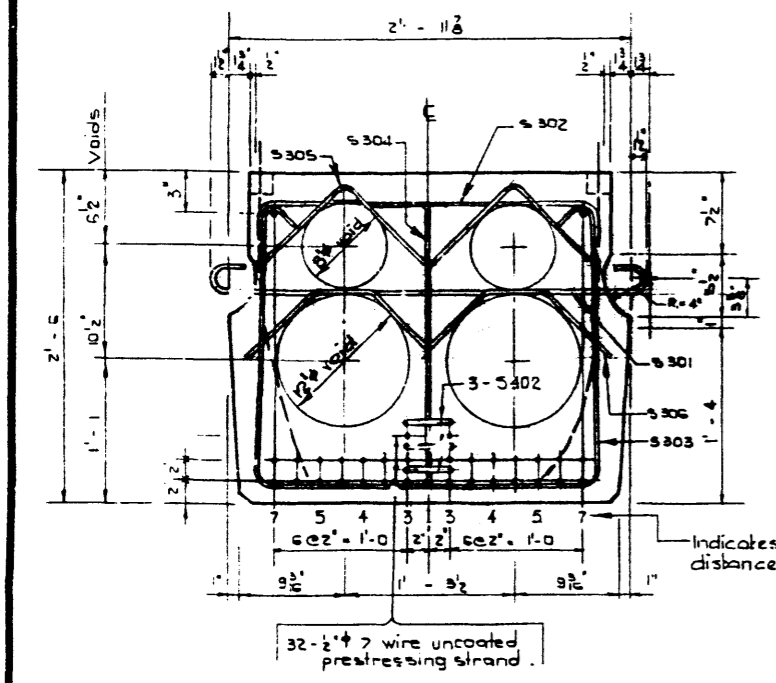
GENERAL NOTES:

DESIGN: A.A.S.H.O. 1941 Specifications except allowable initial concrete stress = 285 p.s.i. in tension. Loading: 3/5 of one wheel line of an H 20 S 16-44 truck plus full dead load plus 2" wearing surface.

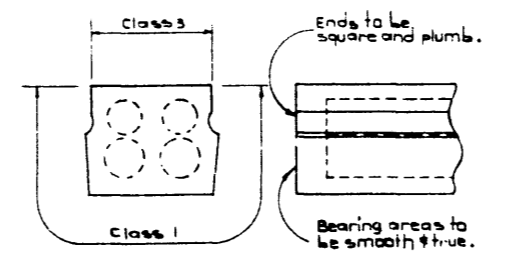
MATERIALS: Concrete shall be of standard weight aggregate with a maximum size of 3/4". Minimum compressive strength shall be 5000 p.s.i. at 28 days. Air entrainment to be not less than 5%.

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 = 25.2 k/Cable Design load = 20.16 k/Cable Concrete must attain 4,000 p.s.i. compressive strength before the prestressing force is transferred. Units are to conform to the requirements of the Bridge Branch Specifications for Prestressed Concrete Bridge Units.

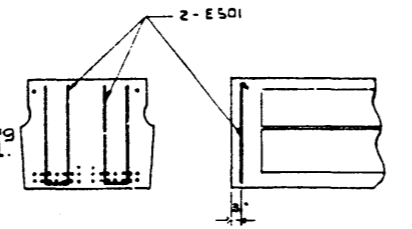
ERECTION: The surface of grout keys shall be sandblasted. If end blockouts are called for their surfaces shall be sandblasted. Lifting force at each hook must be vertical at all times. Stringer surface must be level at all times.



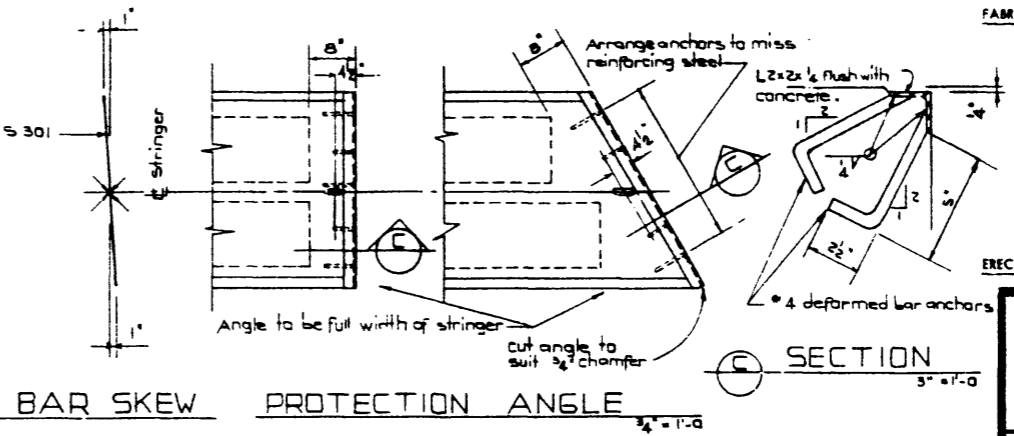
SECTION  
1 1/2" = 1'-0"



STRINGER FINISHES



ADDITIONAL END BARS  
1" = 1'-0"



BAR SKEW PROTECTION ANGLE  
3/4" = 1'-0"

SECTION  
3" = 1'-0"

PRESTRESSED CONCRETE  
66 FT. SPAN  
30' TYPE "M" STRINGER

GOVERNMENT OF THE PROVINCE OF ALBERTA  
DEPARTMENT OF HIGHWAYS AND TRANSPORT  
BRIDGE B'ANCH. EDMONTON

NO.	DATE	DESCRIPTION	BY
1	DEC 28 1972	LENGTH, WEIGHT CHANGED	CW/P

HWY. NO. \_\_\_\_\_  
SCALE AS SHOWN  
SHEET \_\_\_\_\_ OF \_\_\_\_\_  
FILE NO. \_\_\_\_\_  
LOCATION \_\_\_\_\_  
STREAM \_\_\_\_\_

DESIGNED BY R. W. Lyne  
DATE Feb. 19 70  
CHECKED BY L. Kohlmann  
DATE Feb. 19 70