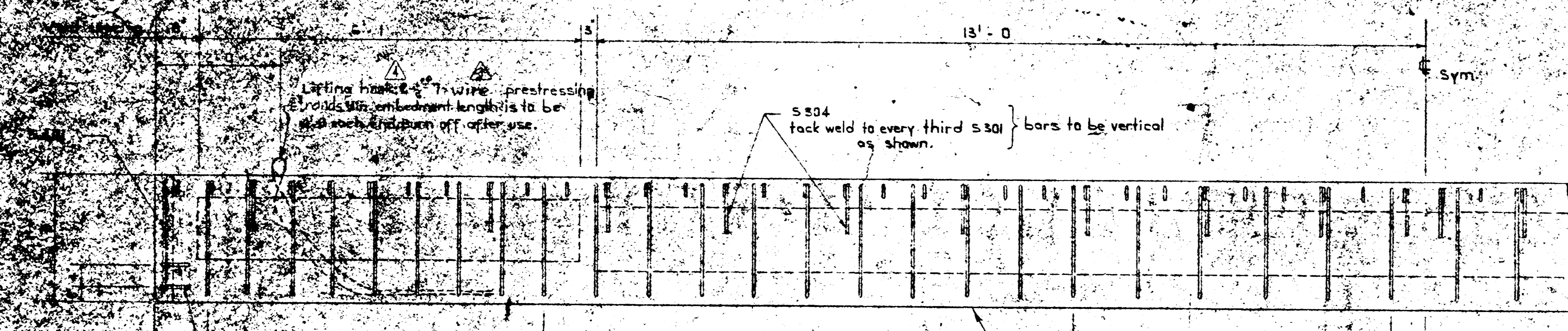
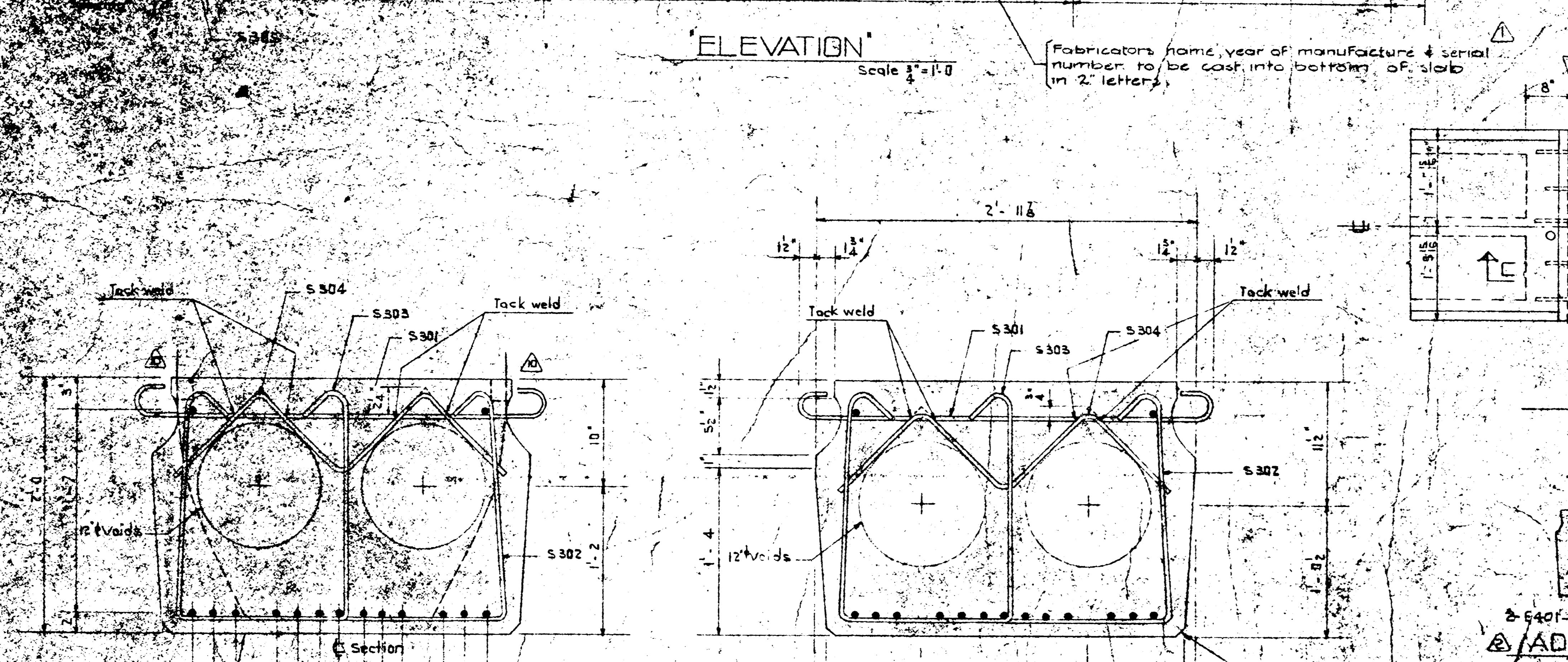


PLAN  
Scale 3/4" = 1'-0"

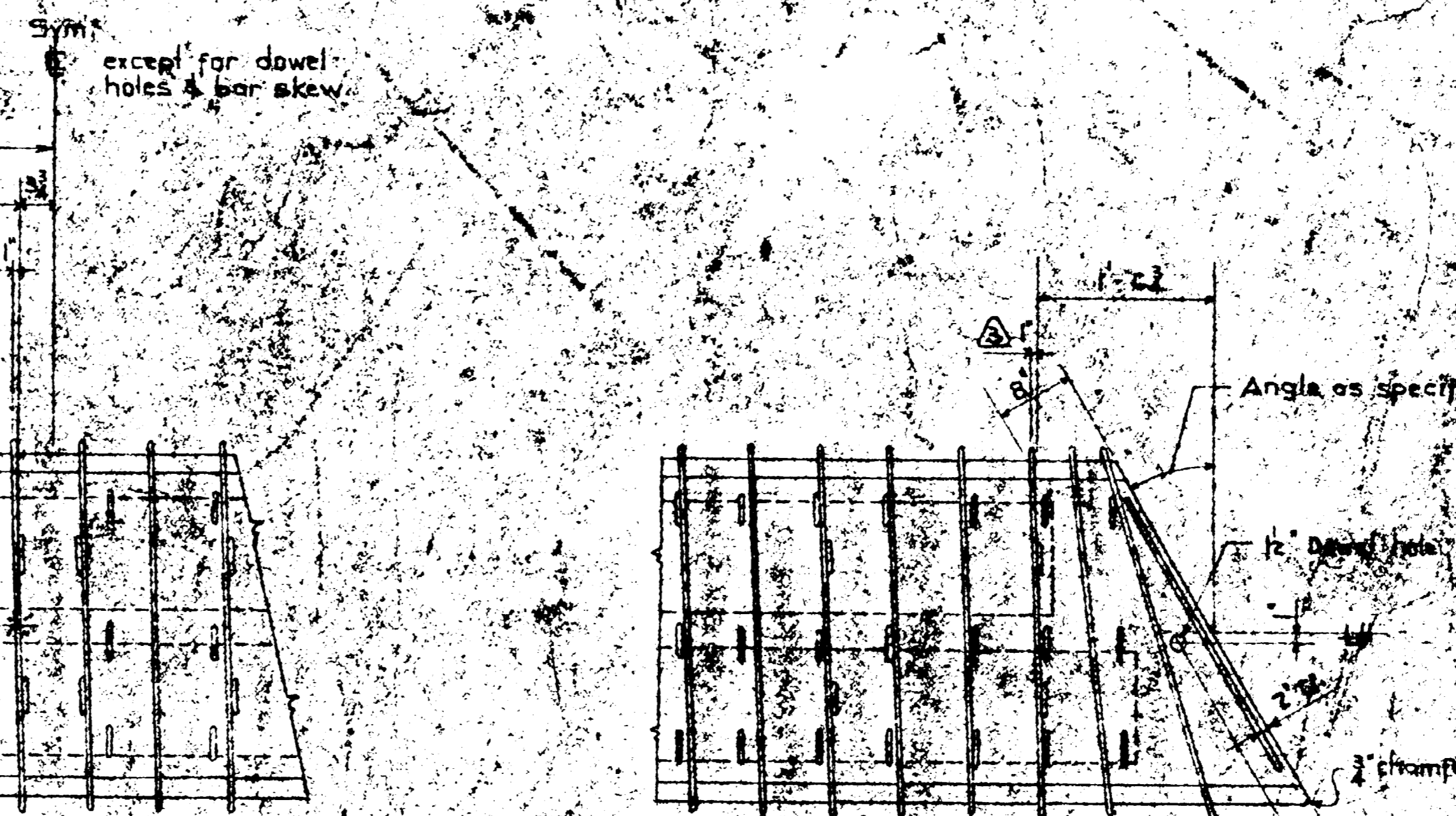


ELEVATION  
Scale 1/2" = 1'-0"

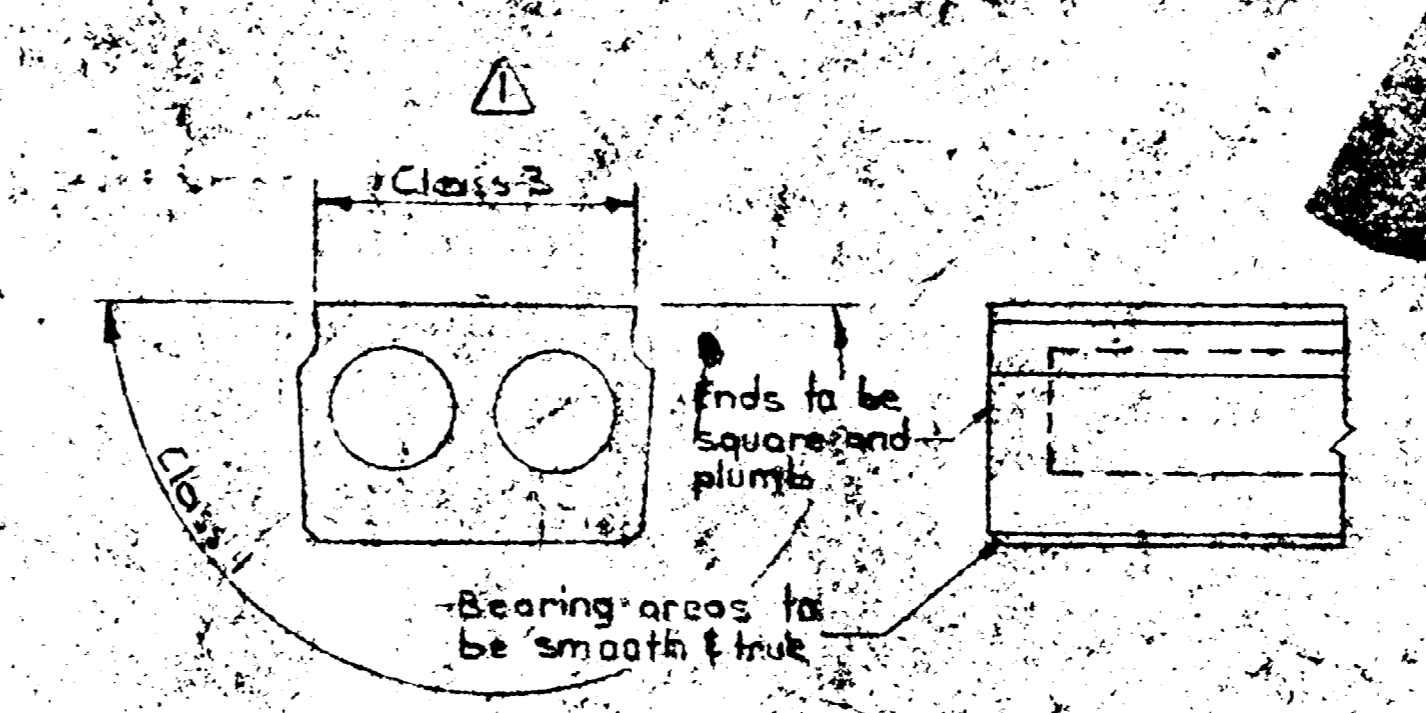


SECTION A-A  
Scale 1/2" = 1'-0"

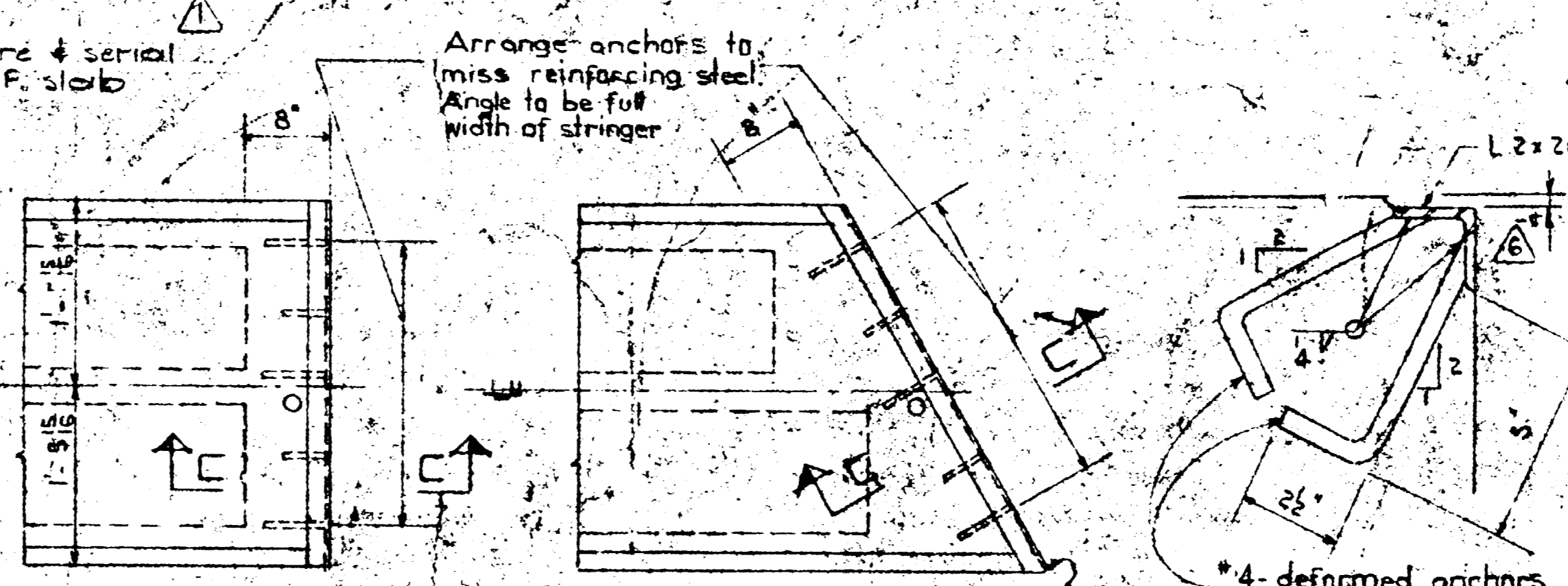
SECTION B-B  
Scale 1/2" = 1'-0"



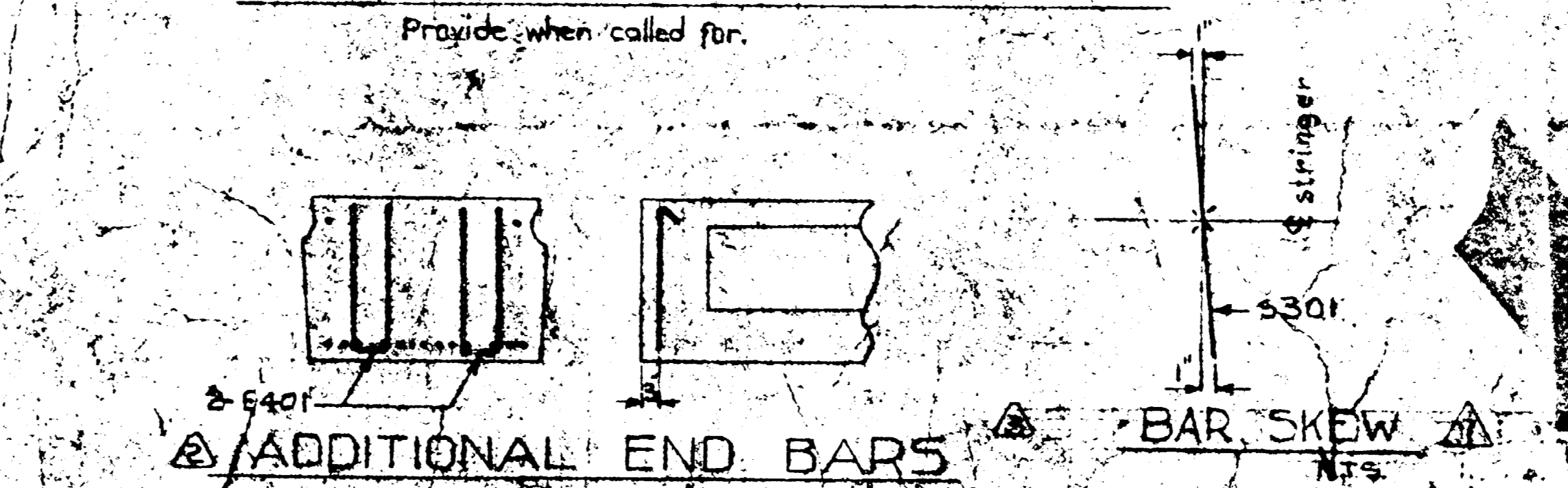
SKewed END STEEL  
N.T.S.



STRINGER FINISHES



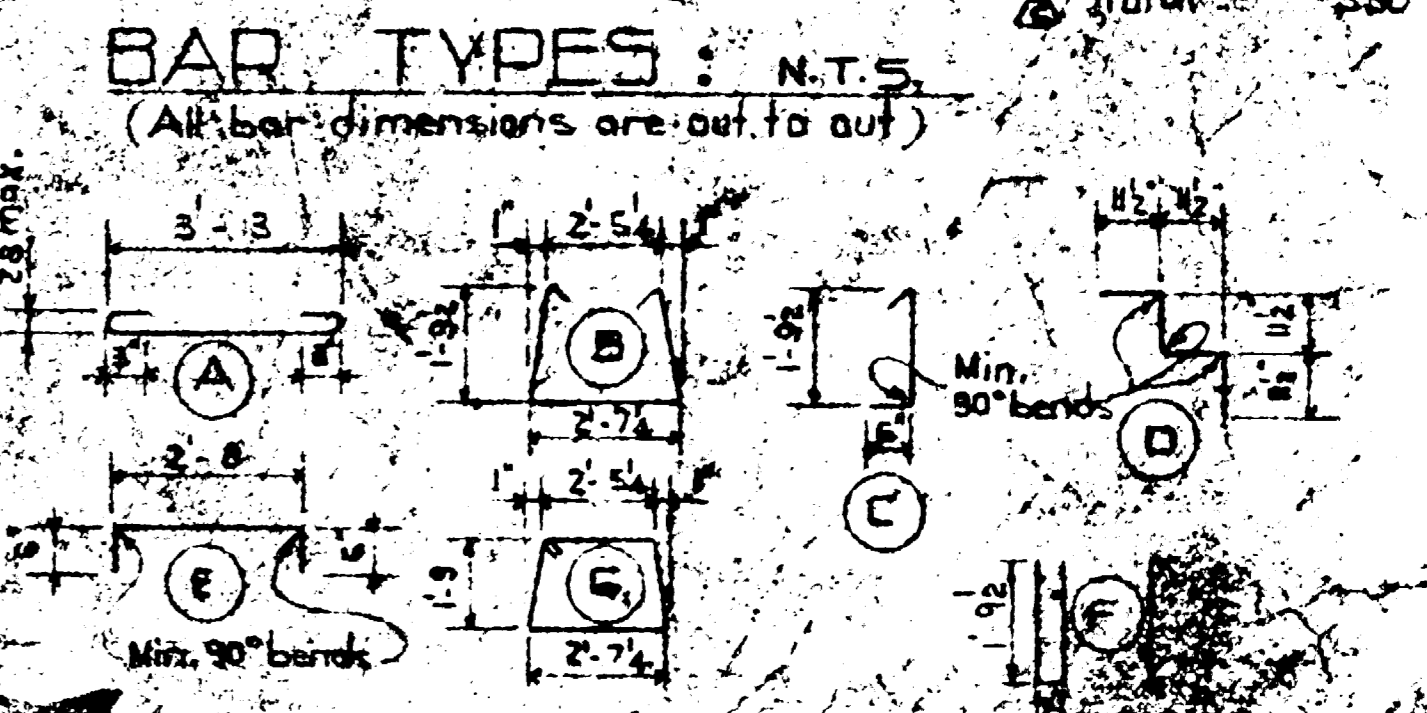
PROTECTION ANGLE  
Provide when called for.



ADDITIONAL END BARS  
Scale 1/2" = 1'-0"

BAR SKEW  
N.T.S.

BAR LIST					
MARK	SIZE	NO.	TYPE	LENGTH	WEIGHT
S 301	3	64	A	4' 6"	96
S 302	3	48	B	5' 10"	723
S 303	3	48	C	7' 0"	47
S 304	3	22	D	3' 10"	52
S 305	3	4	E	3' 8"	4
S 401	4	2	F	9' 4"	12
E401	4	4	F	5' 2"	14
Total					230



BAR TYPES : N.T.S.  
(All bar dimensions are out to out)

DESIGN  
A.C.I. 318, 1961 specifications except allowable initial prestress stress = 285 p.s.i. in tension.  
Loading: 3/5 of one wheel load of an H20-S16-A1 truck plus full dead load plus 2" wear surface.

CONCRETE  
Concrete shall be of standard weight aggregate with a maximum size of 1/2" and a compressive strength shall be 5000 p.s.i. at 28 days. Air entrainment to be not less than 5%.

REINFORCEMENT  
Reinforcement: Fabrications of all bars shall conform to the recommended sizes and all hooks, unless otherwise noted shall conform to the recommended sizes for full lap welds. Bars shall be sandblasted. Practice the detail for all bars and the same dimensions.  
Prestressing steel: Initial prestress load = 1/2 ultimate load.  
Concrete strength at 56 days = 5000 p.s.i.  
Concrete shall be 4500 p.s.i. compressive strength before the prestressing force is transferred.  
Anchor bolt assembly shall be 1/2" dia. steel with 1/2" dia. nuts and 1/2" dia. washers. Units are to be checked for proper fit.

The surface of grout keys shall be sandblasted. If end blockouts are called for their surfaces shall be sandblasted.

ERECTOR  
Lifting force at each hook must be vertical at all times. Stringer surface must be level at all times.

DRAWN BY: D.M. Guepp  
 CHECKED BY: L. K. H. H. H.  
 APPROVED BY: [Signature]

NO.	DATE	REVISIONS
1	Oct 22/69	See drawing
2	Feb 23/69	Pre-stressing strands
3	Jul 22/69	Balance sheet and drawings
4	Mar 17/72	Bar skew title
5	Jan 19/68	Buffer angle lowered
6	Aug 27/65	General notes
7	Nov 20/67	End bars
8	Oct 17/68	Revision to skewed S301 bars
9	Oct 16/68	End bars added
10	Sept 19/68	Notes & finishes revised

**PRESTRESSED CONCRETE**

48' SPAN

TYPE PRESTRESSER

CONCRETE

BRIDGE

FILE NO. 800