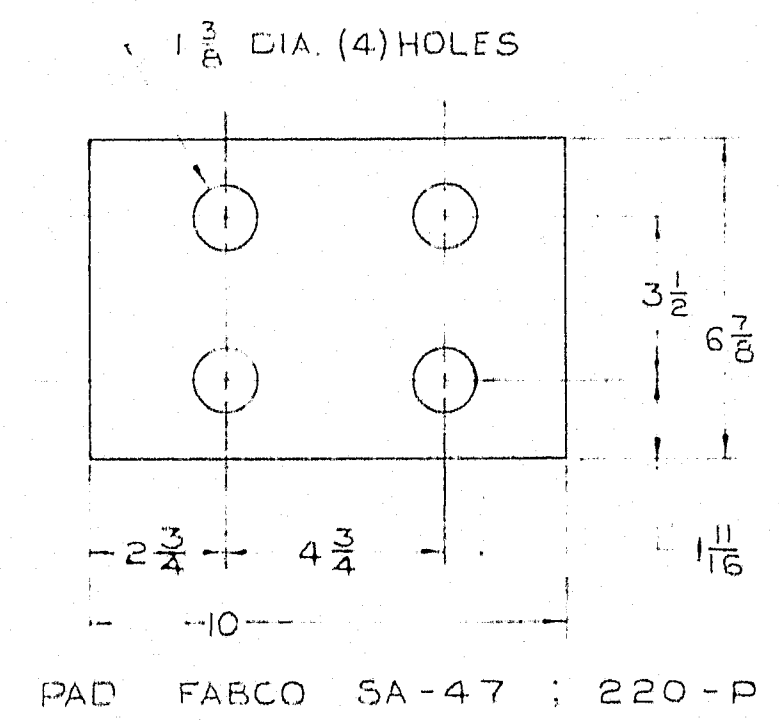
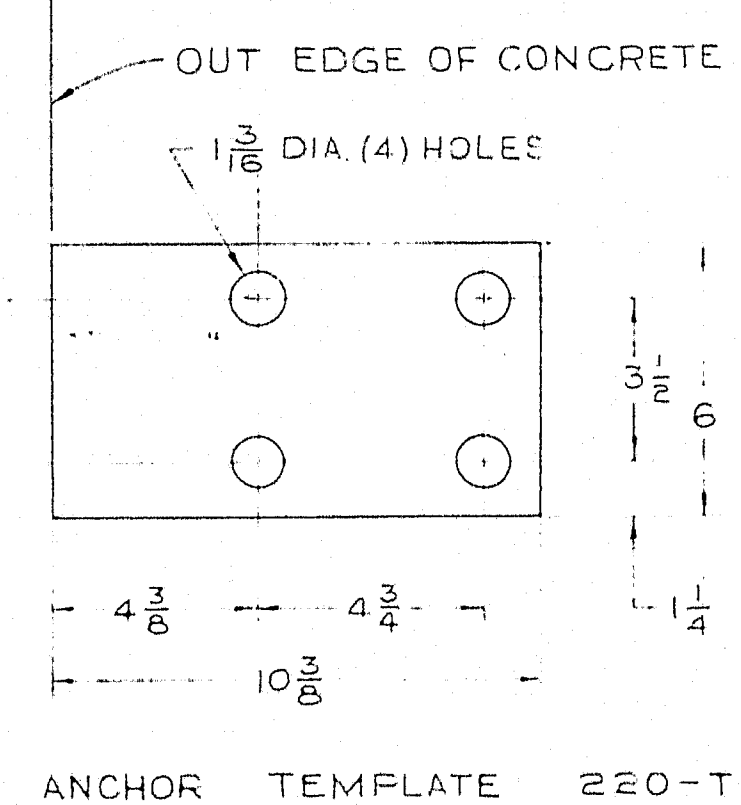
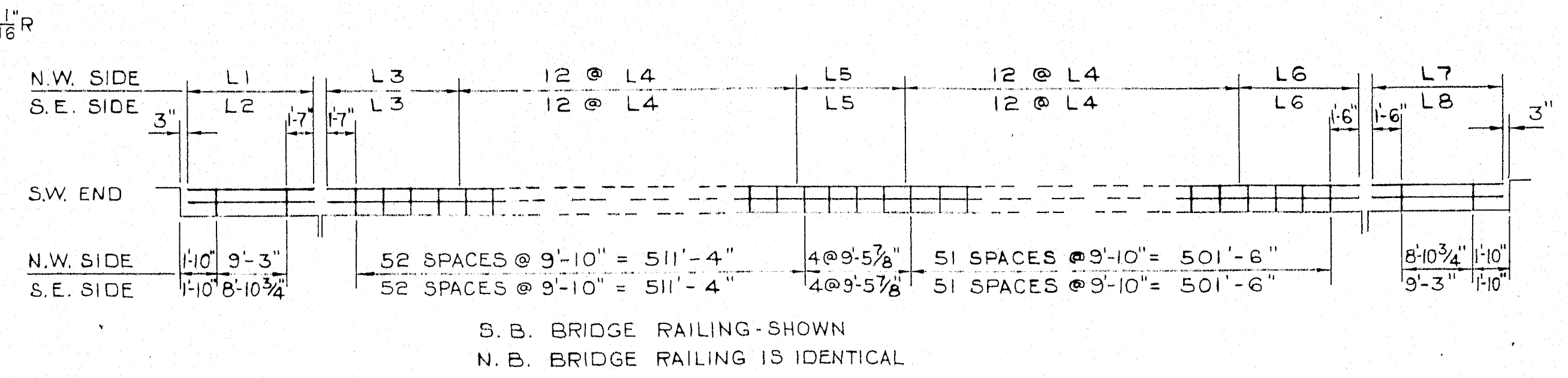
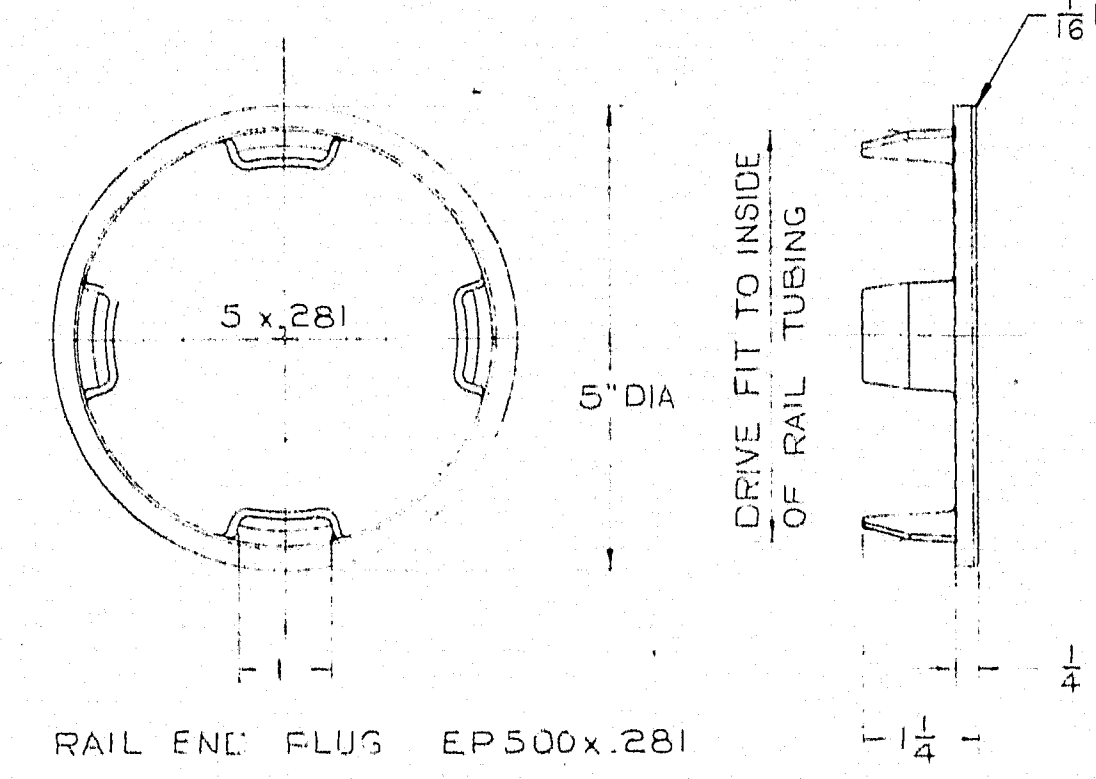
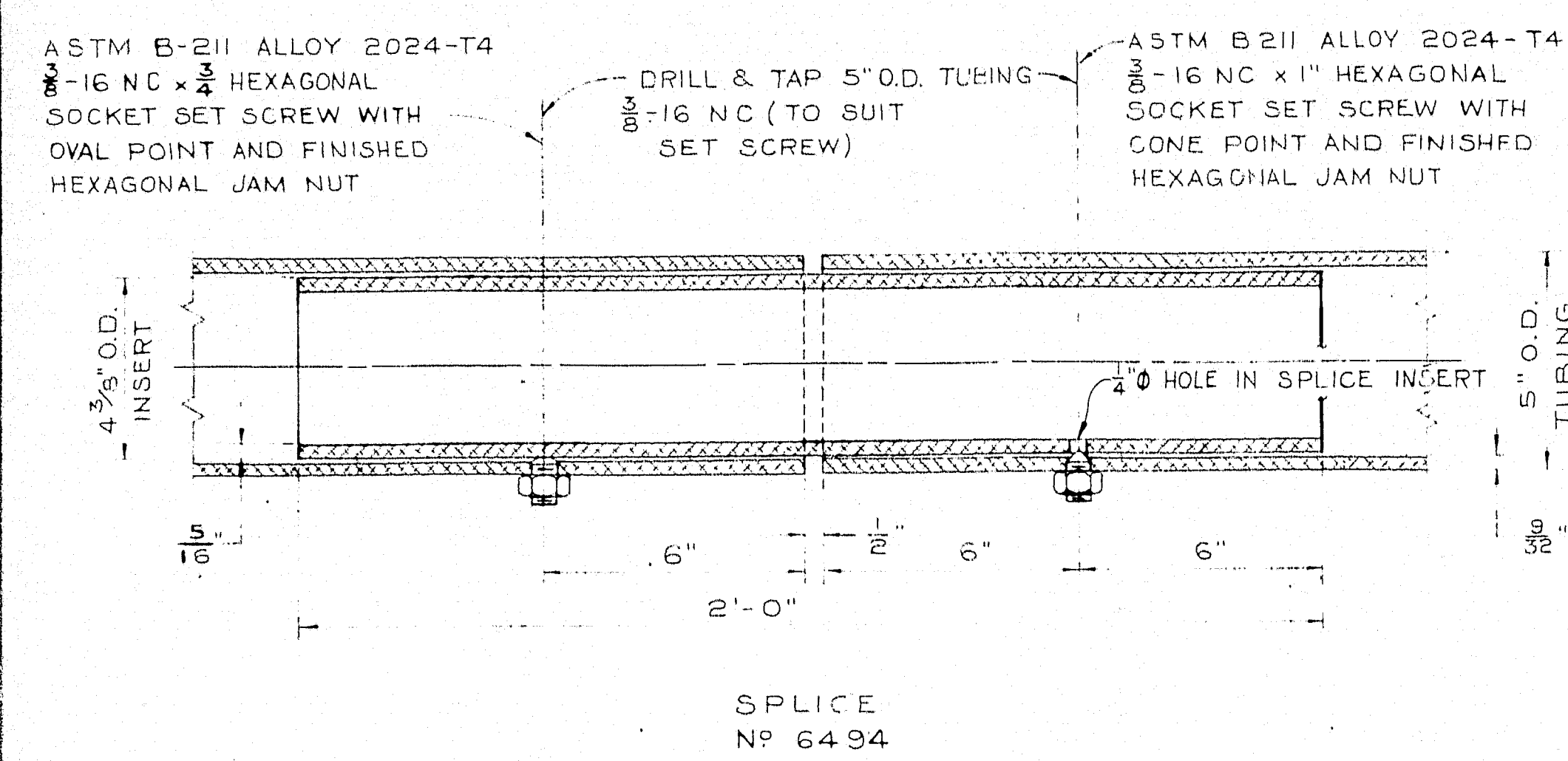
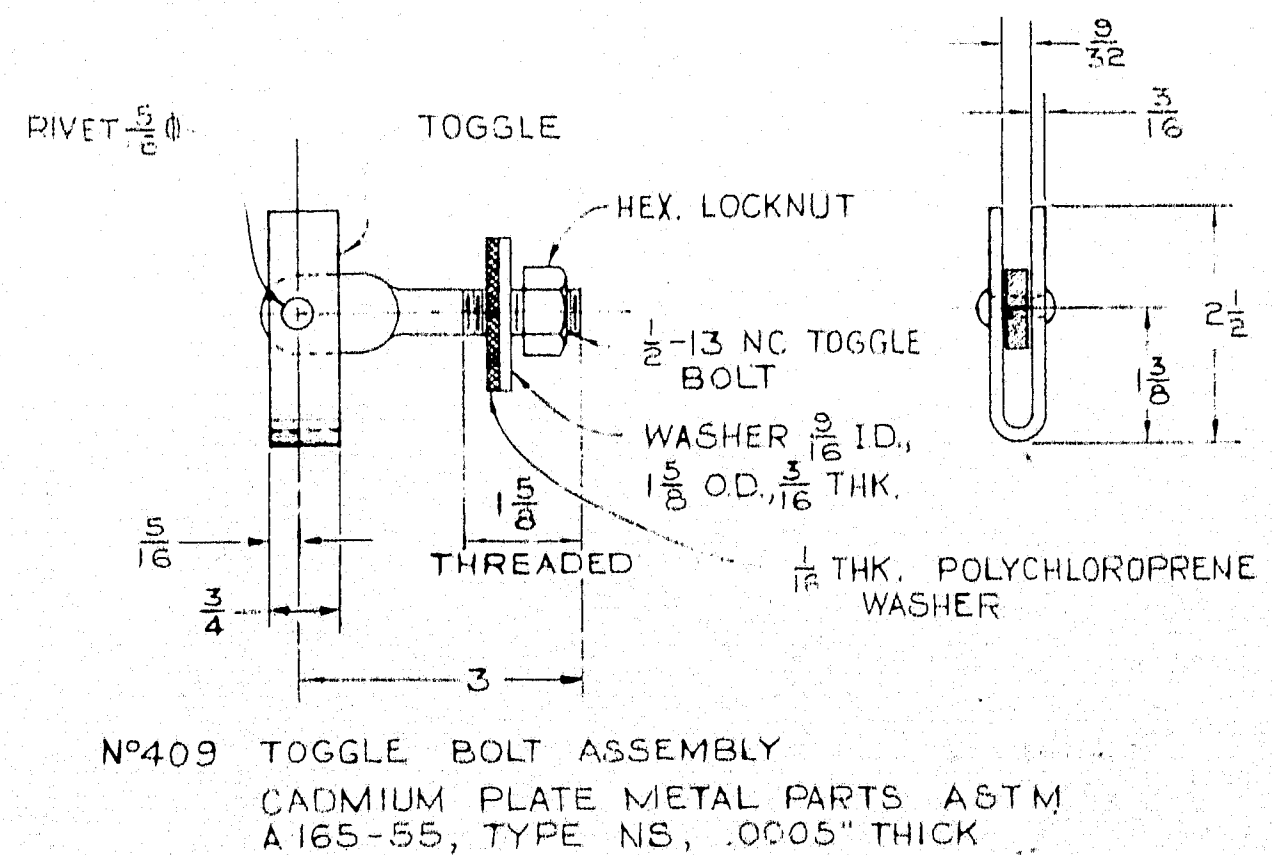
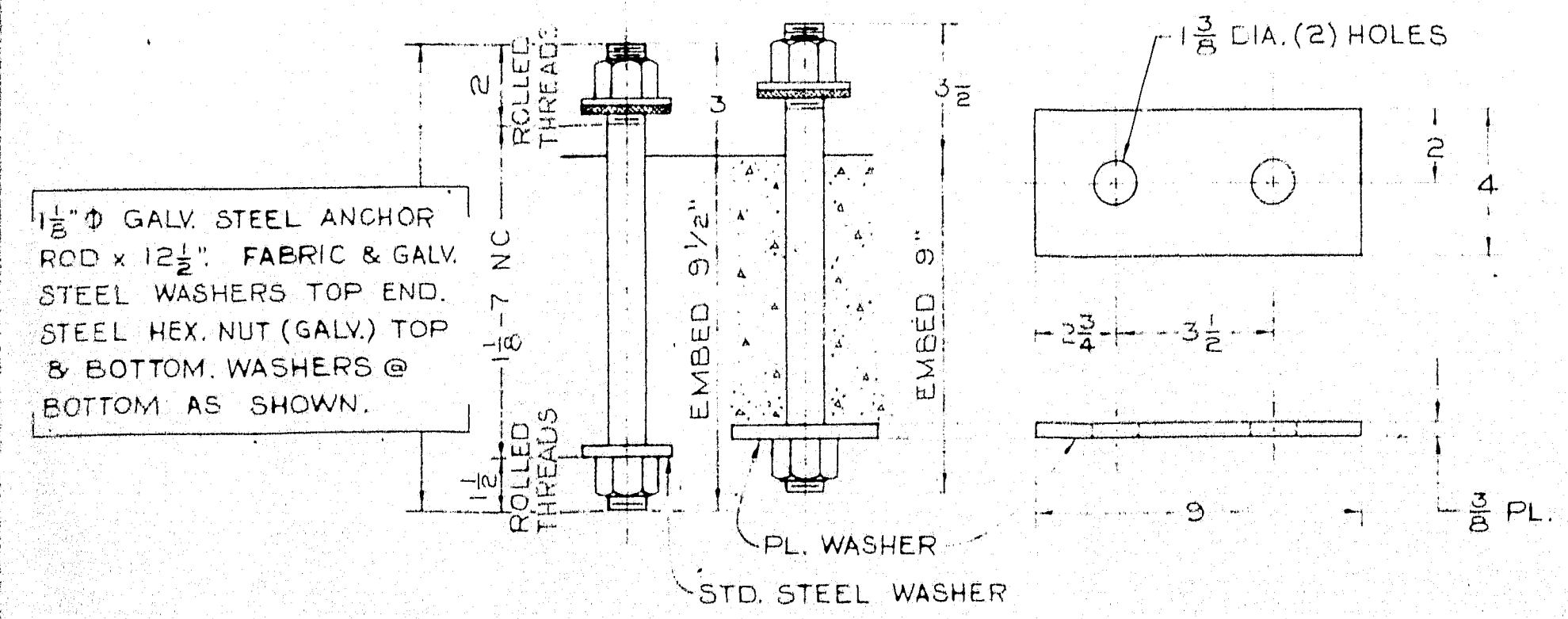


REVISIONS		
A	4-8-65	JAPLEGATE



NOTES:
 S1 - DRILL & TAP 5" O.D. TUBING 3/8-16 NC 6" FROM END, (TO SET SET SCREW) ONE END ONLY.
 S2 - DRILL & TAP 5" O.D. TUBING 3/8-16 NC 6" FROM EACH END ON SAME VERTICAL AXIS (TO SUIT SET SCREW).
 1" Ø HOLES IN TUBING TO RECEIVE TOGGLE BOLTS, SHALL BE PROVIDED IN THE FIELD.



TOGGLE: ASTM A303, 1015 H.R. STEEL
 RIVET: ASTM A195, 1038 C.R. STEEL, HEAT TREATED
 TOGGLE BOLT: ASTM A354, 1335 C.R. STEEL, HEAT TREATED RC 32-38.
 WASHER: ASTM A7, 1020 H.R. STEEL
 HEX. LOCKNUT: FINISHED HEXAGON LOCKNUT PREVAILING TORQUE TYPE STEEL GRADE C OR D, INDUSTRIAL FASTENERS INSTITUTE.

BILL OF MATERIAL	
ASTM	REF: - DWG. & STANDARD DETAILS (BD 108-64)
448	HOWE N° 220 CAST POST ALUM. A-344-T4
B26	48 EP 500x.281 END PLUG ALLOY SG70A OR 5A
B221	208 SPLICE 4 3/8 O.D. x 7/16 WALL x 24" LG ALUM. 6061-T6
416	3/8-16 NC FINISHED HEX. JAM NUT ALLOY 2024-T4
B211	208 3/8-16 NC x 3/4 HEX. SKT. SET SCREW OVAL PT 2024-T4
B211	208 3/8-16 NC x 1" HEX. SKT. SET SCREW CONE PT. 2024-T4
493	220-P 1/8" THK. FABCO PAD 5A-47
MISC.	896 TOGGLE BOLT ASSEMBLY N° 409
448	220-T 6 x 10 3/8 TEMPLATE
A7	448 3/4 x 4 x 9 PL. ASTM A7
A325	896 1 1/8" STD. STEEL WASHER
A325	3584 1 1/2"-7 NC STEEL HEX NUT GALV.
A325	1792 1 1/8" Ø-7 NC x 12 1/2" ANCHOR ROD GALV. STEEL
	1792 1 1/8" FABRIC WASHER
A325	1792 1 1/8" GALV. STEEL WASHER
B221	4 L1 12'-4 1/2" L - TOP OR BOTTOM RAIL
"	4 L2 12'-0 1/4" 5" O.D. x 9/32 WALL TUBING
"	8 L3 38'-10 1/2" S1 ALUM. ALLOY 6061-T6 [N° 649]
"	192 L4 39'-3 1/2" S2 4 L7 11'-11 1/4" S2
"	8 L5 37'-11" S2 4 L8 12'-3 1/2" S2
B221	8 L6 32'-11 1/2" S1

INDIANAPOLIS, INDIANA

I 95 OVER PENOBSCOT RIVER & OLD ROUTE 157
 RELOC. IN MEDWAY

APR 1965

DISTRIBUTOR: BANCROFT & MARTIN INC. N° 11921
 CONTRACTOR: CALLAHAN BROS.

SCALE	DATE	DRAWN BY	CHECKED BY	MATERIAL
3-3-65	JAPLEGATE	CC		AS NOTED

TITLE: ALUMINUM BRIDGE RAIL
 PENOBSCOT CO. MAINE PROJ. I-95-9(29)

howe 1357
 engineering co., inc.
 3800 MASSACHUSETTS AVE. • INDIANAPOLIS 18, INDIANA

HEC NO. 1 OF 2