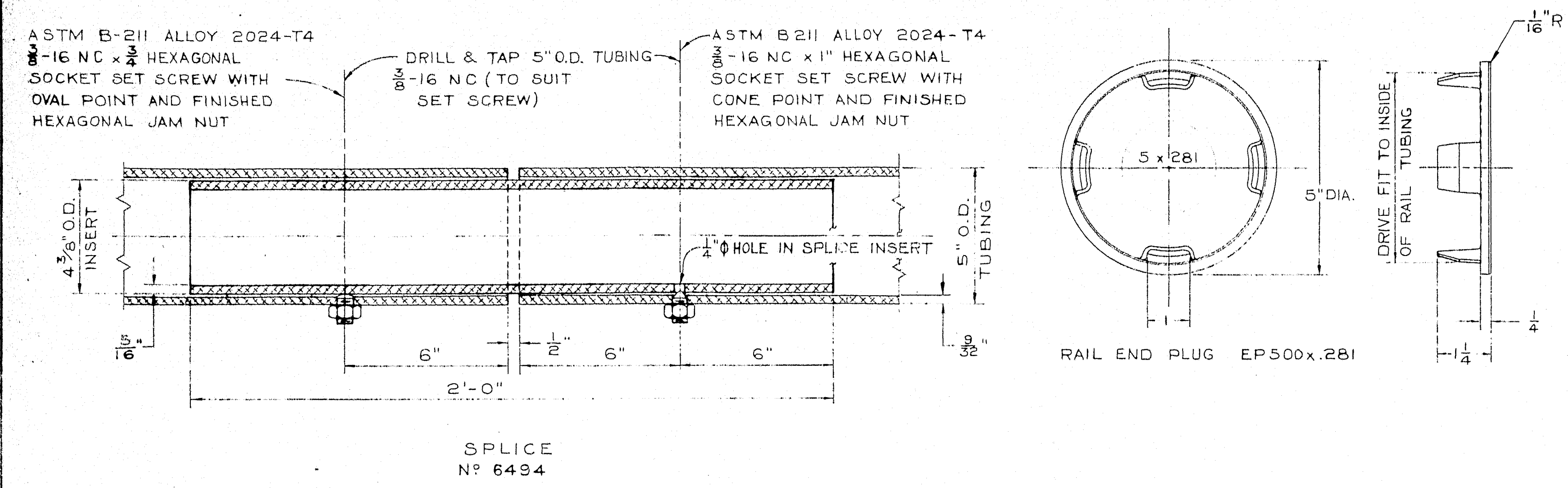
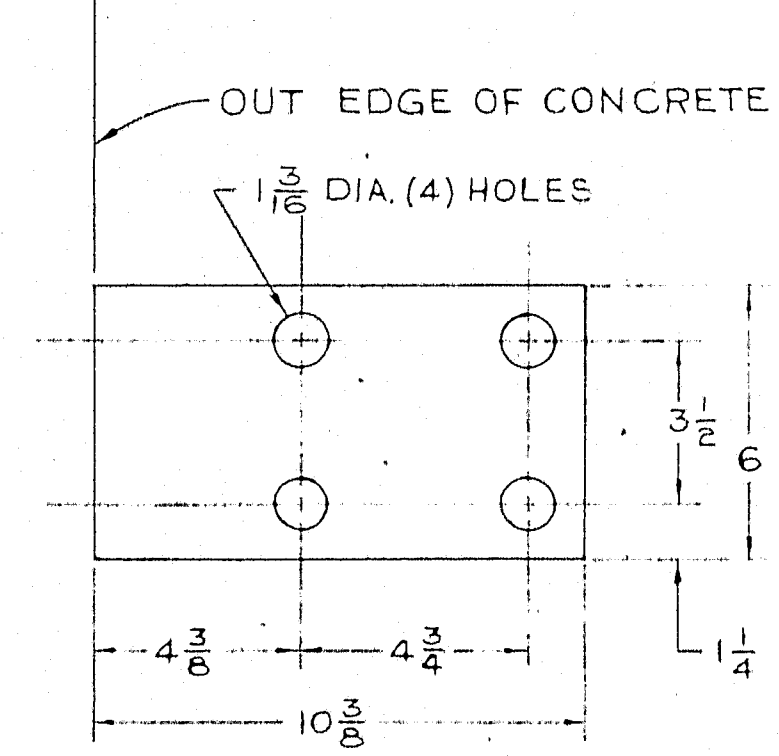
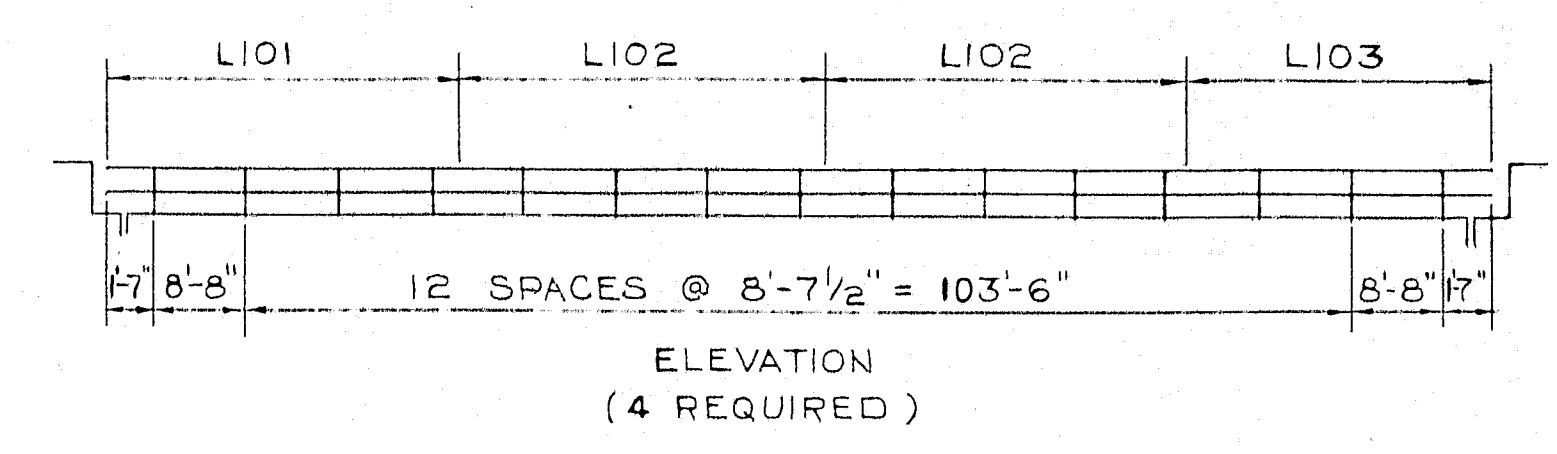


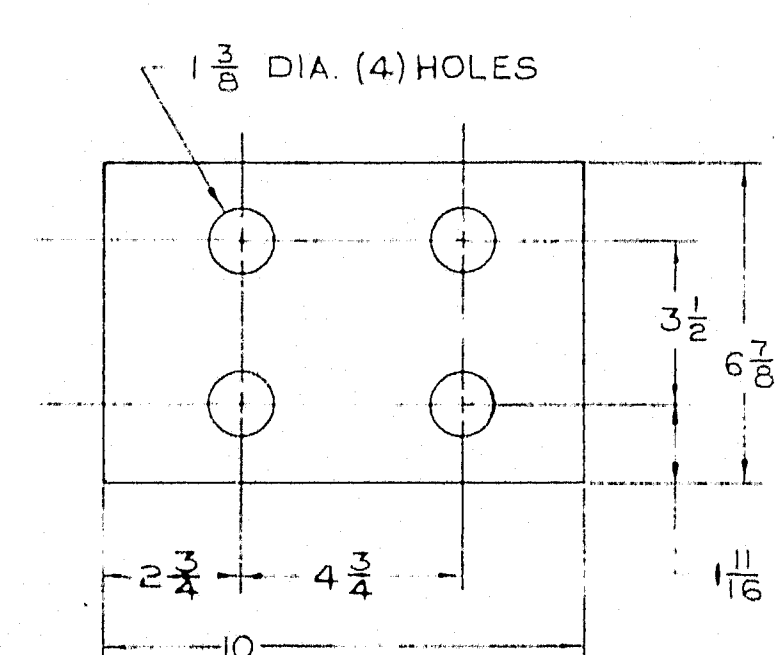
REVISIONS		
A	4-8-65	APFLEGATE



RAIL END PLUG EP500x.281

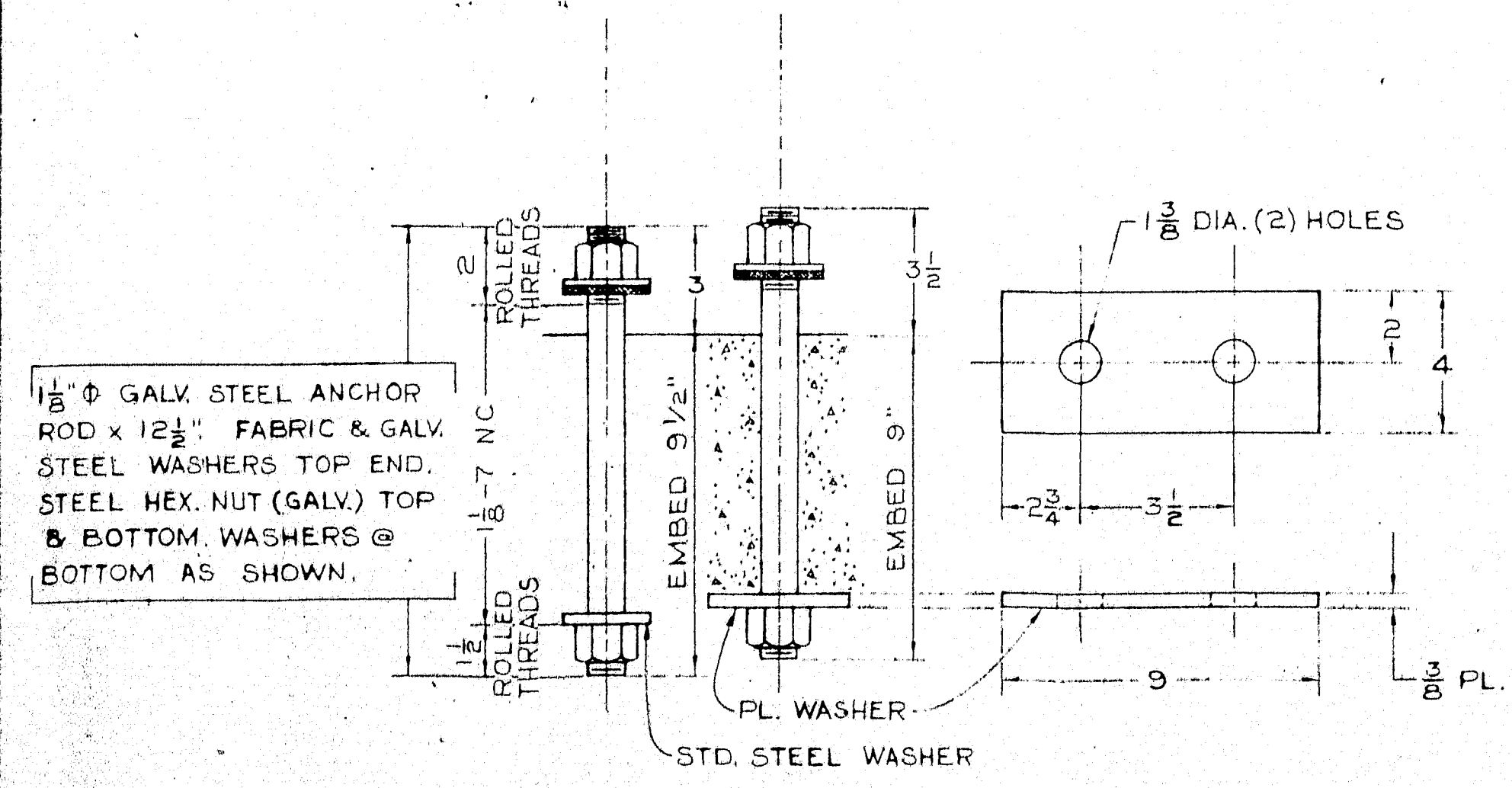


ANCHOR TEMPLATE 220-T

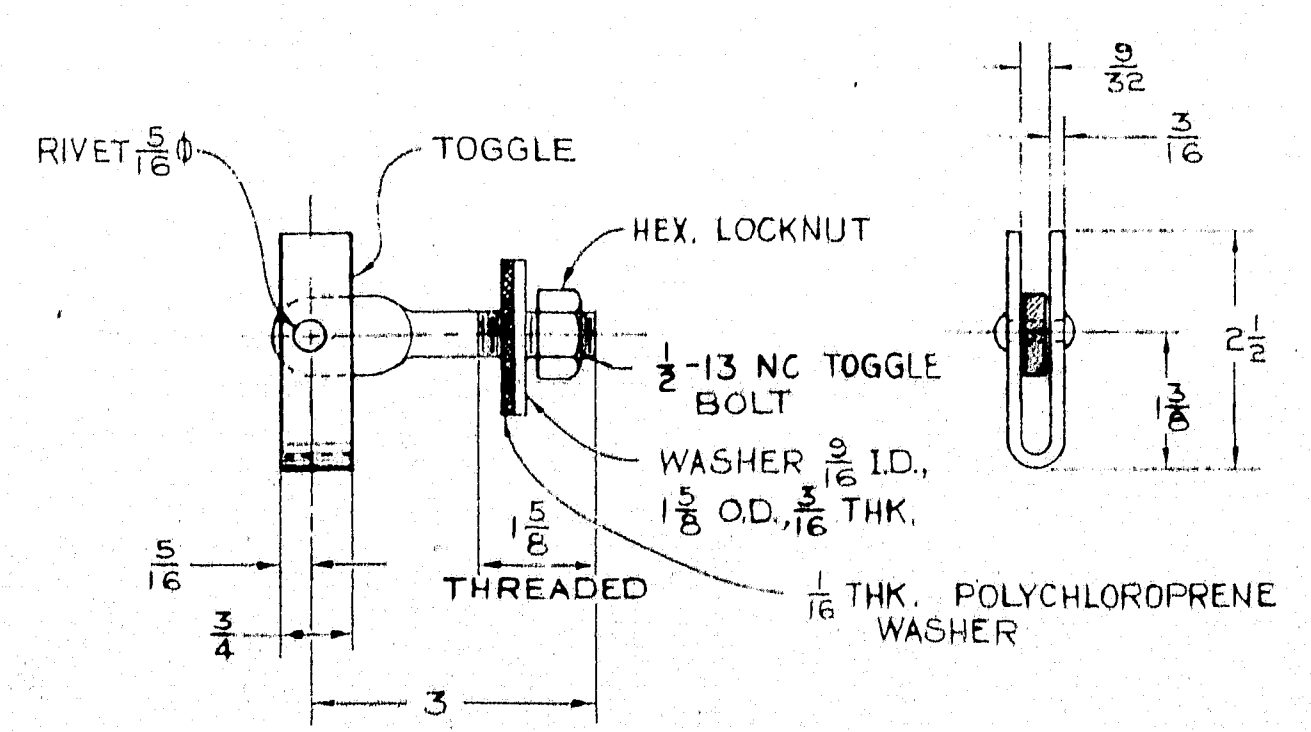


PAD FABCO SA-47 ; 220-P

NOTES:
 S1 - DRILL & TAP 5" O.D. TUBING 3/8-16 NC 6" FROM END, (TO SUIT 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.



RAIL POST ANCHORAGE 220-A
 BOLTS, NUTS & STD. WASHERS - ASTM A 325 GALVANIZED ASTM A153



Nº 409 TOGGLE BOLT ASSEMBLY
 CADMIUM PLATE METAL PARTS ASTM A165-55, TYPE NS, .0005" THICK

TOGGLE: ASTM A 303, 1015 H.R. STEEL
 RIVET: ASTM A195 1038 C.R. STEEL, HEAT TREATED
 TOGGLE BOLT: ASTM A 354, 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)
60	HOWE Nº 220 CAST POST ALUM. A-344-T4
B26	16 EP 500x.281 END PLUG ALLOY SG70A OR 5A
B221	24 16 PLICE 4 3/8 O.D. x 7/16 WALL x 24" LG. ALUM. 6061-T6
B211	48 3/8-16 NC FINISHED HEX. JAM NUT ALLOY 2024-T4
B211	24 3/8-16 NC x 3/4 HEX. SKT. SET SCREW OVAL PT. 2024-T4
B211	24 3/8-16 NC x 1" HEX. SKT. SET SCREW CONE PT. 2024-T4
66	220-P 1/8" THK. FABCO PAD SA-47
MISC.	120 TOGGLE BOLT ASSEMBLY Nº 409
60	220-T .6 x 10 3/8 TEMPLATE
A7	60 3/8 x 4 x 3 PL. ASTM A7
A325	120 1 1/8" STD. STEEL WASHER
A325	480 1 1/8"-7 NC STEEL HEX. NUT GALV.
A325	240 1 1/8" Ø-7 NC x 12 1/2" ANCHOR ROD GALV. STEEL
A325	240 1 1/8" FABRIC WASHER
A325	240 1 1/8" GALV. STEEL WASHER
B221	8 L101 29'-5 1/2" S1 L - TOP OR BOTTOM RAIL
B221	16 L102 34'-5 1/2" S2 5" O.D. x 9/32 WALL TUBING
B221	8 L103 25'-5 1/2" S1 ALUM. ALLOY 6061-T6 Nº 649

MAINE HIGHWAY
 BRIDGE DIVISION
 I-95 OVER ROUTE 116 IN MEDWAY
 APR 1965

DISTRIBUTOR: BANCROFT & MARTIN INC. Nº 11921
 CONTRACTOR: CALLAHAN BROS.
 SCALE: 3-3-65 APFLEGATE, C C AS NOTED
 TITLE: ALUMINUM BRIDGE RAIL
 PENOBSCOT CO. MAINE PROJ. I-95-B(62)
 howe 1357
 engineering co., inc.
 5800 MASSACHUSETTS AVE. * INDIANAPOLIS 16, INDIANA
 HEC NO. 2 of 2