Central File
50-261
A0/2

CP&L

Carolina Power & Light Company

March 21, 1980

FILE: NG-3513 (R) SERIAL: NO-80-432

Mr. James P. O'Reilly
Director of Regulatory Operations
U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, N.W., Suite 3100
Atlanta, Georgia 30303

H. B. ROBINSON STEAM ELECTRIC PLANT
UNIT NO. 2
DOCKET NO. 50-261
LICENSE NO. DPR-23
IE BULLETIN 80-03 - LOSS OF CHARCOAL FROM STANDARD TYPE II, 2-INCH, TRAY ADSORBER CELLS

Dear Mr. O'Reilly:

In response to this bulletin, none of the charcoal cells used at H. B. Robinson Unit No. 2 are of the type referred to in the bulletin, Flander Type II.

The inspection of the charcoal cells and charcoal filter housings mentioned in the bulletin is currently performed each refueling outage as part of a refueling periodic test. This inspection includes a visual check of each system's filter bank and a check of individual cells when they are removed to obtain charcoal samples and for changing the charcoal. The inspection also includes a freon leak check which would immediately detect a system leak caused by insufficient charcoal in the cells and by deformation of the housing.

During nine years of operation, none of our systems has ever failed this refueling inspection due to charcoal loss from the cells or deformation of the housings. Therefore, due to past results from this periodic test, the additional inspection mentioned in the bulletin was not deemed necessary.

Three types of cells are used in our Heating, Ventilation, and Exhaust System. The description of the methods for securing the perforated screens to the cells are as follows:

Type	Use	Screen Design
1. Barnebey Cheney	Containment Recirc., Emergency Auxiliary Building Exhaust, and Post-Accident Containment Venting	The screens (4 total) sit on 1/2-in.-wide ribs and are spot welded to the ribs every 2 1/2 - 3 in. The screens are flat and continuous across the full width & length of the cell. (See Sketch No. 1.)

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2.	Barnebey Cheney (SP 1492)	Control Room Ventilation	The screens are 'S' shaped when viewed from the side. The forward & rear edges of the screens are spot welded to three structural ribs running the length of the cell. These edges, and likewise the welds, are 3 inches apart. The screens are continuous (one-piece) from one side to the other. Therefore, the spot weld serves to improve the rigidity of the cell and is not needed for leaktightness. Each end of the screens is folded over the interior side walls of the cells. This fold (1/4 inch wide) provides a continuous seal for the screens. (See Sketch No. 2A & 2B.)
3.	Mine Safety Appliance (1843-980)	Containment Purge and Spent Fuel Pit Exhaust	The screens (4 total) sit on 1/2- & 9/16-inch-wide ribs and are spot welded to the ribs every 1/2 inch. The screens are flat and continuous across the full width and length of the cell. (See Sketch No. 3)

Yours very truly,

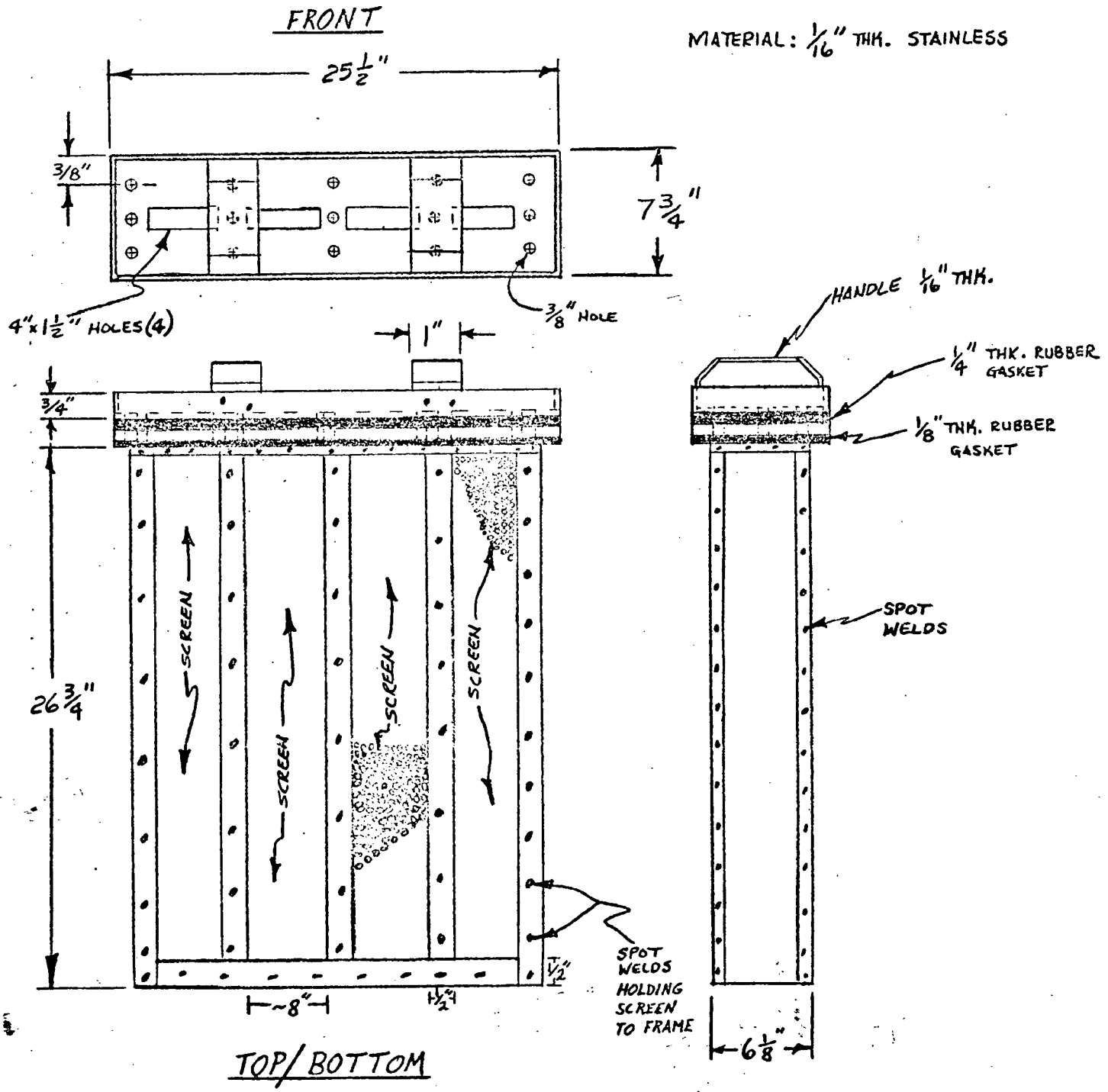
B. J. Furr
Vice President
Nuclear Operations

RAD:CSB:eaj*

cc: Mr. James H. Sniezek

SKETCH # 1

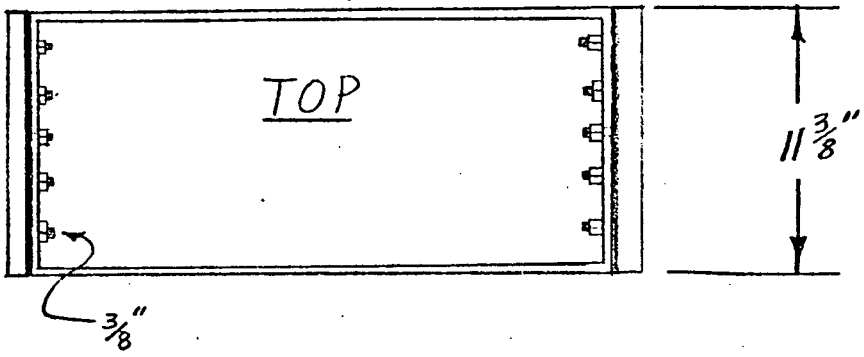
BARNEBEY CHENEY
TYPE 304L-EL
SP 1521 TYPE 727

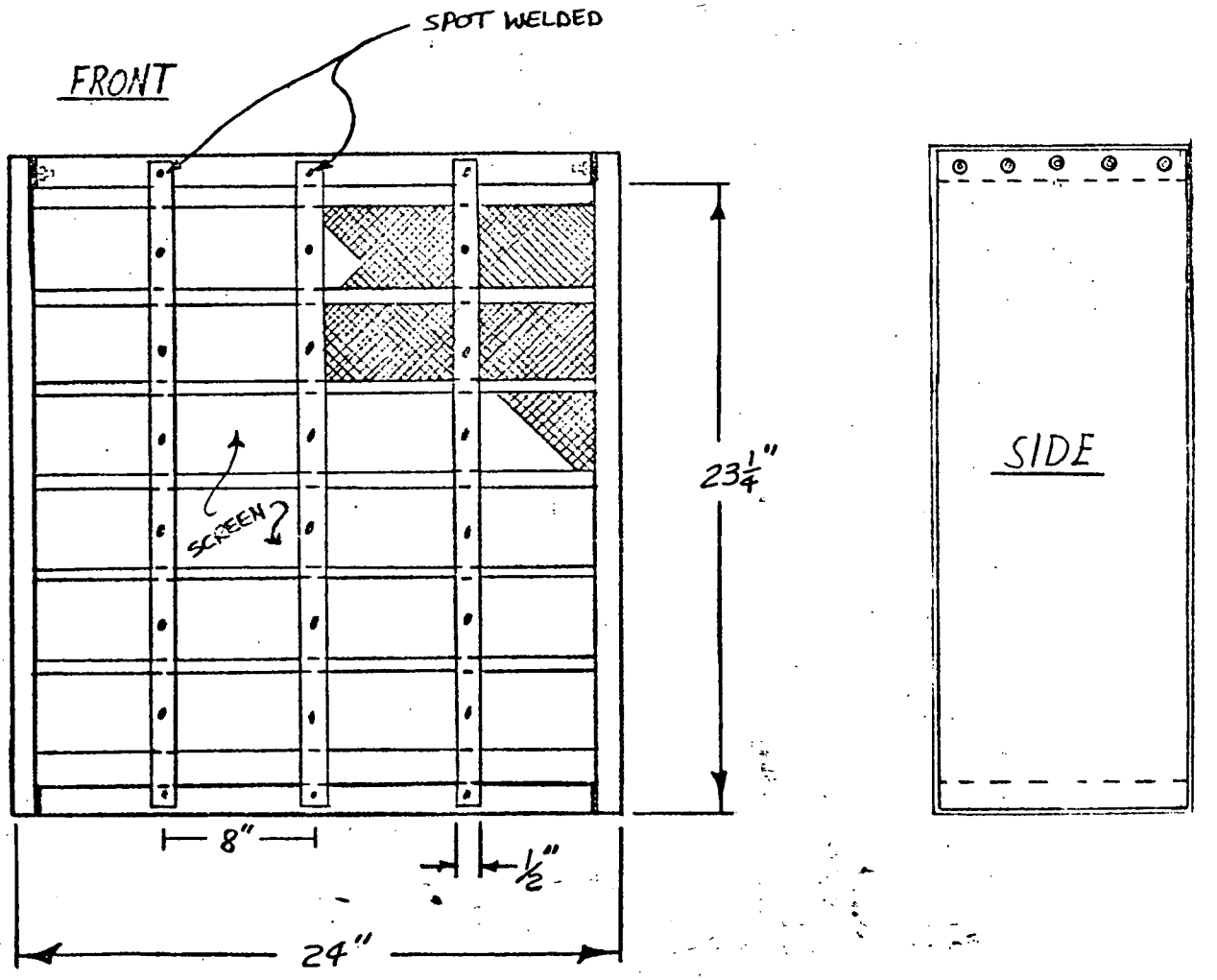


SKETCH 2A

BARNEBEY CHENEY
TYPE SP-1492

MATERIAL: 1/16" THK. STAINLESS
SCALE: NTS

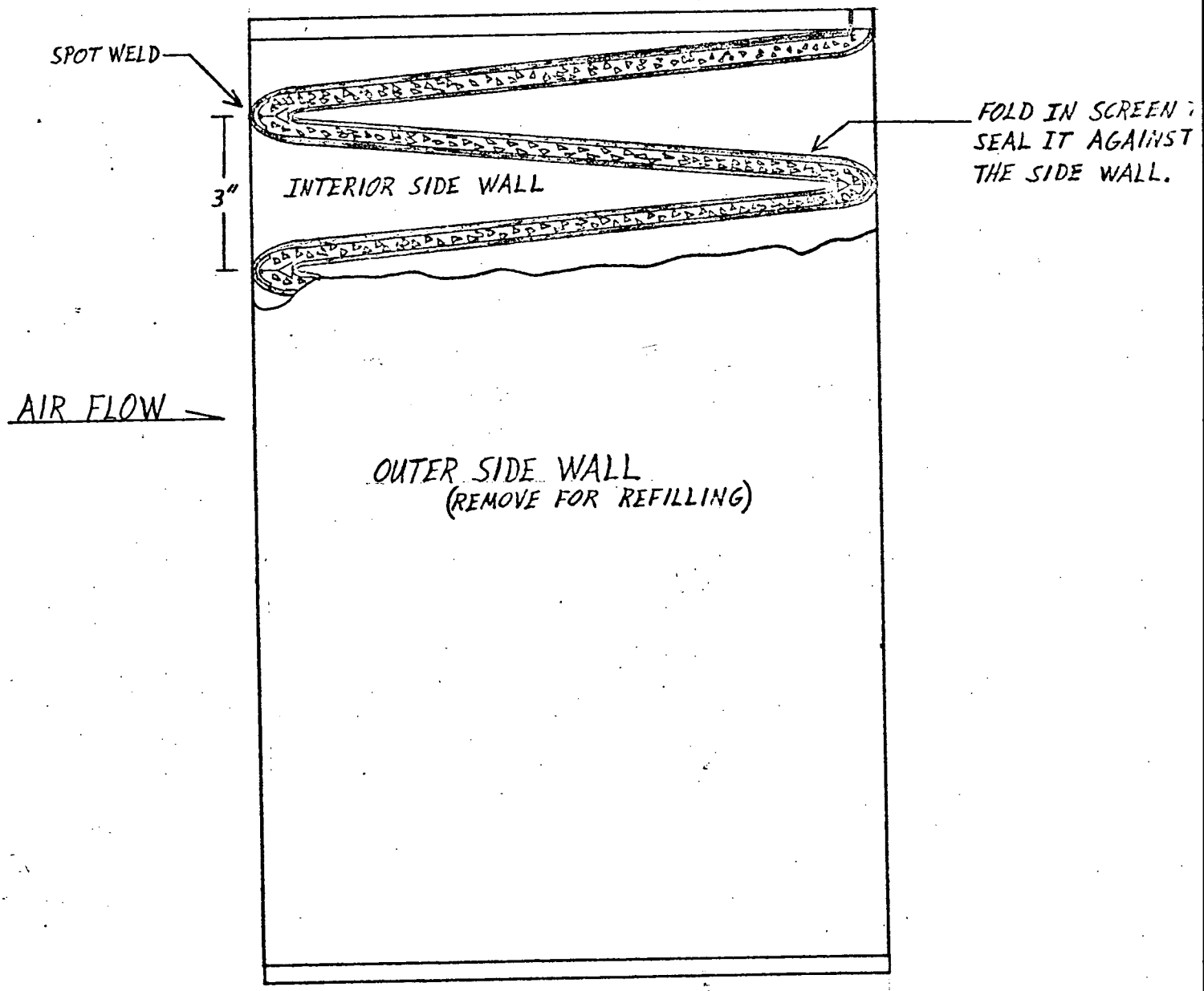




SKETCH #2B

BARNEBEY CHENEY
TYPE SP-1492

MATERIAL: 1/16" THK. STAINLESS
SCALE: NTS

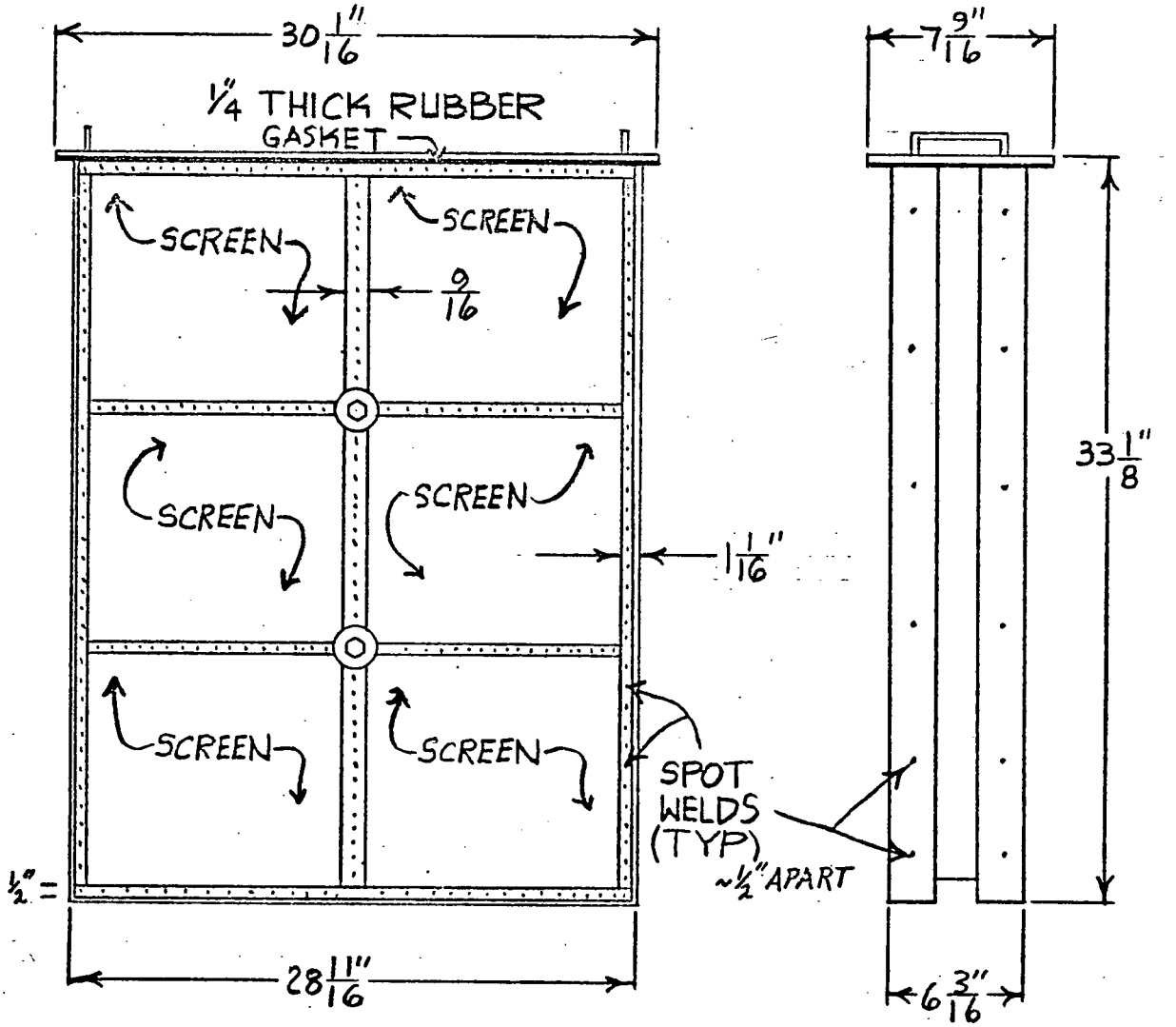


SKETCH #3

MSA-1743-980

MATERIAL: 1/16" THK. STAINLESS

BOTTOM/TOP



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