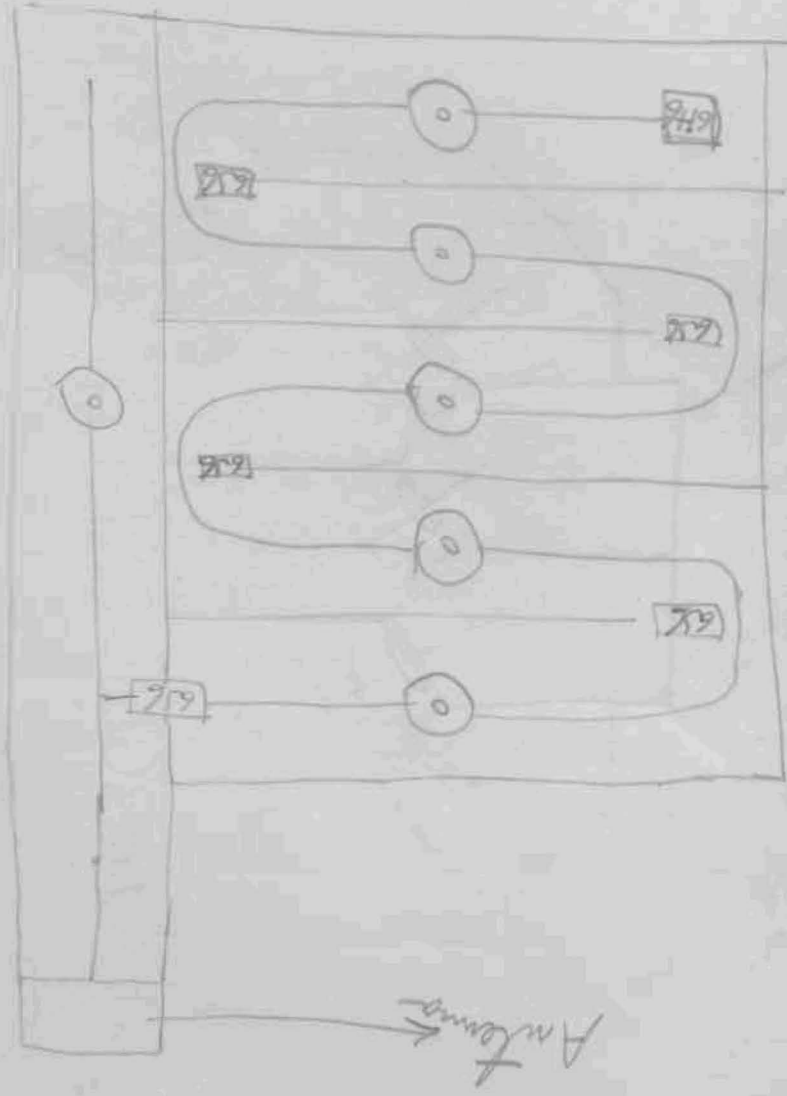


Scheme using three
 A5588A at about 24DB
 per stage on a 20 Mc.
 band.



Scheme using six 954
 at about 12 DB on a 20 Mc
 band. See data of 7-3-41
 in book on 160 Mc amplifier.

Both cases about 70 DB in amplifier in band. The 656
 with all about 20 DB more of loss noise level. Total
 gain: 90 DB with noise less than present amplifier using 954.
 Possible advantage about an order greater than present amplifier.
 (over)



Scheme using five 6365 in push pull arrangement from beginning to end. The interstage couplers to be parallel wire and coupling lines to be series concentric stubs which are vertical to paper. Interstage design similar to input design. See previous system detailed. First thing to try is build input circuit and see if 636 can be neutralized properly at 160 MC.

Part

Pieces Required.

Copper sheet .016"

- A 1 - $37\frac{5}{8} \times 20\frac{1}{4}$ first grid circuit
- B 1 - $24\frac{5}{8} \times 17$ center partition
- C 5 - $17 \times 5\frac{5}{8}$ partitions
- D 2 - $17 \times 9\frac{7}{16}$ partitions
- E 2 $12\frac{1}{2} \times 16 \times 11\frac{1}{2}$ Top and bottom
- F 2 $10\frac{1}{4} \times 14\frac{1}{2}$ 6H6G + 6J6 compartments
- J 4 4×4 covers,
- G 5 $6\frac{5}{8} \times 4\frac{1}{2}$ Fins for interstage
- H 1 17×8 small side
- I 1 16×17 large side
- K 1 2×3 cover,
- L 2 $2\frac{3}{4} \times 6\frac{1}{2}$ Fins; M 1 - $2 \times 6\frac{1}{2}$ Fin.

Brass plate $\frac{1}{8}$ "

- 2 $5 \times 7 \times \frac{1}{8} \times \frac{1}{2}$ "wide" coupling amplifier to first grid circuit
- 2 $4 \times 4 \times \frac{1}{8} \times \frac{1}{4}$ "wide" hand holes on 6H6G + 6J6 compartments
- 12 $4" O.D \times 3\frac{1}{2}" I.D \times \frac{1}{8}"$ amplifier hand holes
- 2 $4 \times 4 \times \frac{1}{8} \times \frac{1}{4}$ "wide" hand hole on 1st grid circuit
- 1 $2 \times 3 \times \frac{1}{8} \times \frac{1}{4}$ "wide" " " " " "

3-7-43

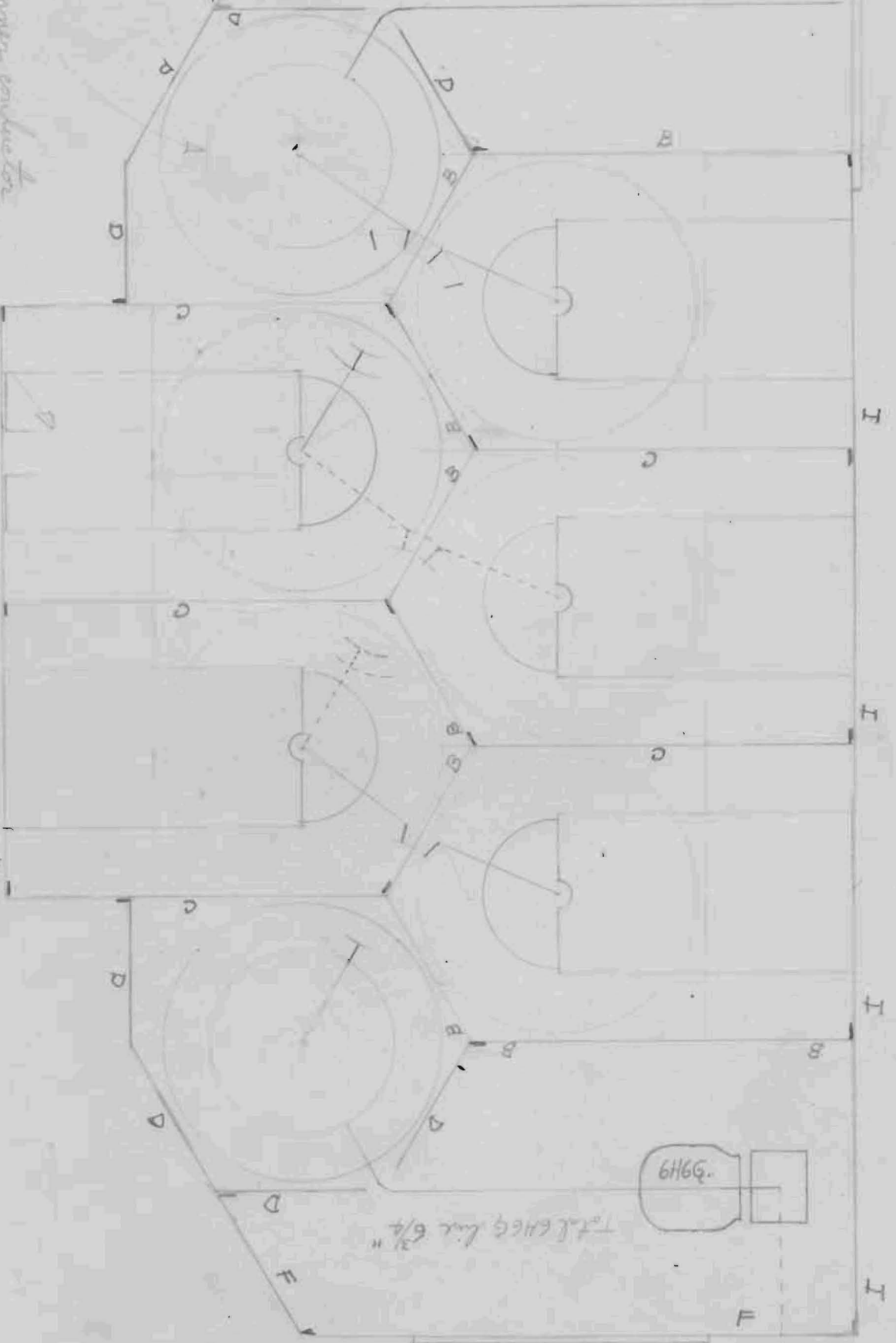
Plain Plates

Part Letter	Number Required	Size
L	2	$2\frac{3}{4} \times 6\frac{1}{2}$
M	1	$2 \times 6\frac{1}{2}$

6H6G compartment



Total 6H6G tube 6 3/4"



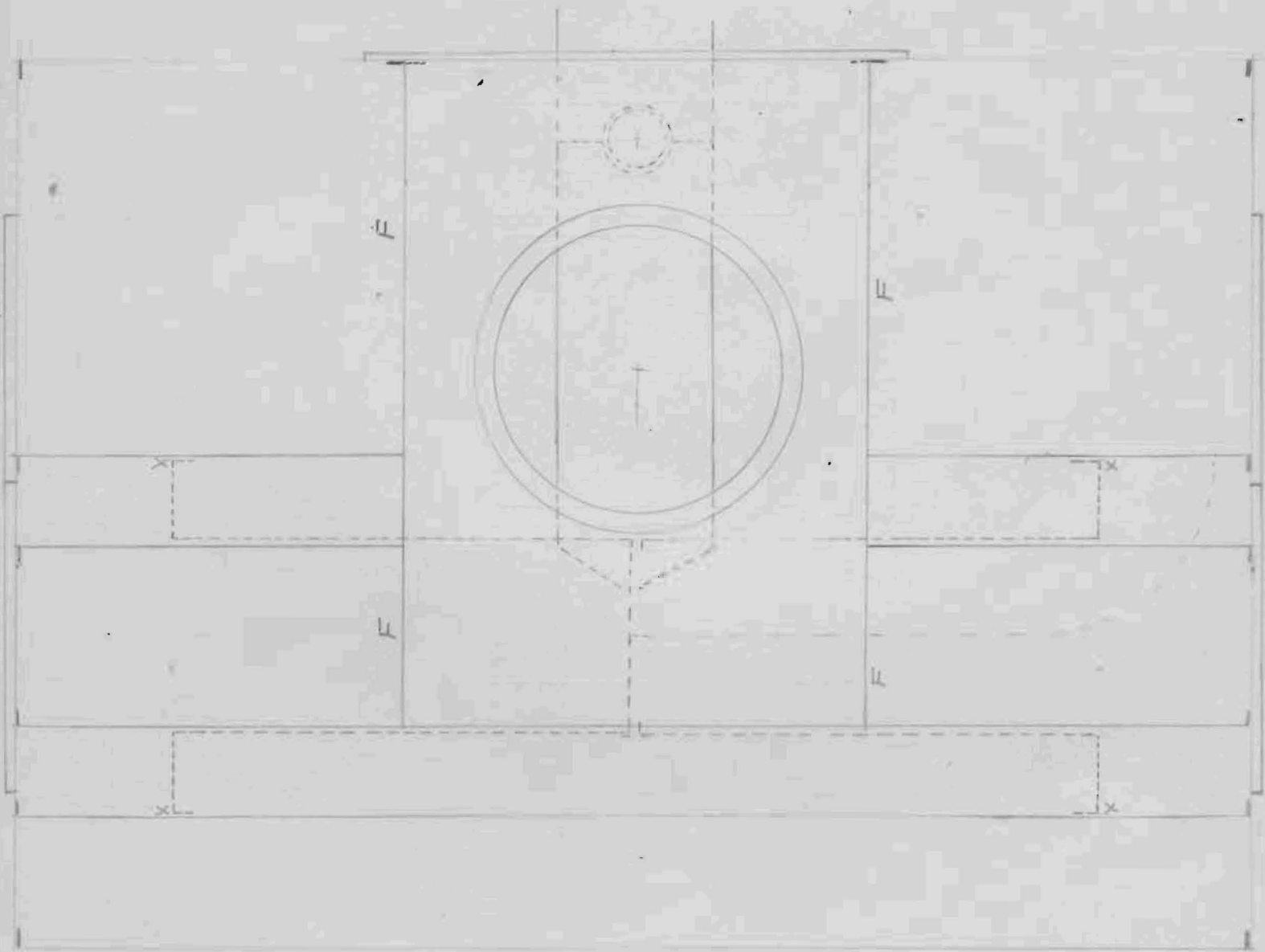
Total 656 plate tube 9" long

656 compartment

2 1/2" dia inner conductor
gives 200 ohms or 2 1/2 of 30 ohms

5/8" dia inner conductor
gives 200 ohms or 2 1/2 of 69 ohms

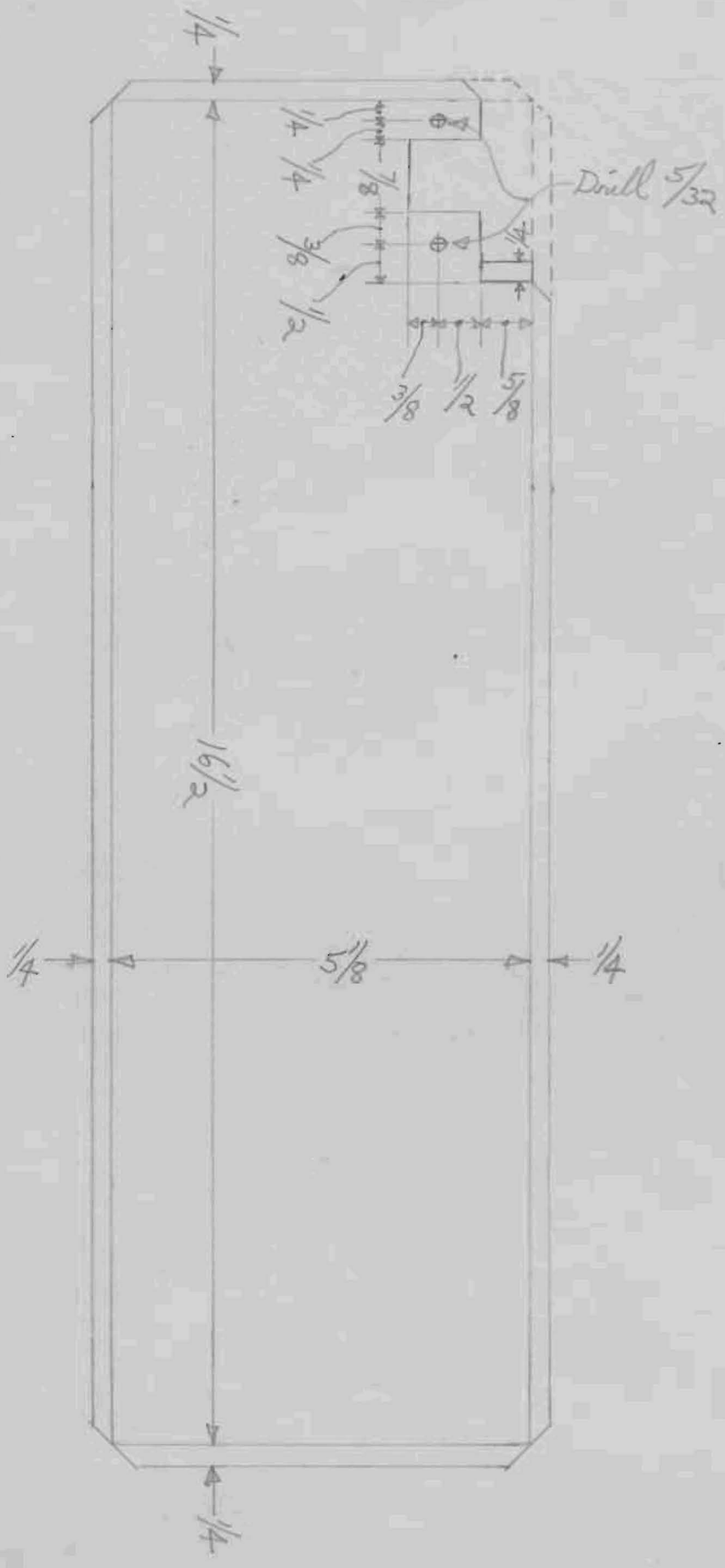
1-25-93



soft as shown at X

View B-B

1-25-43



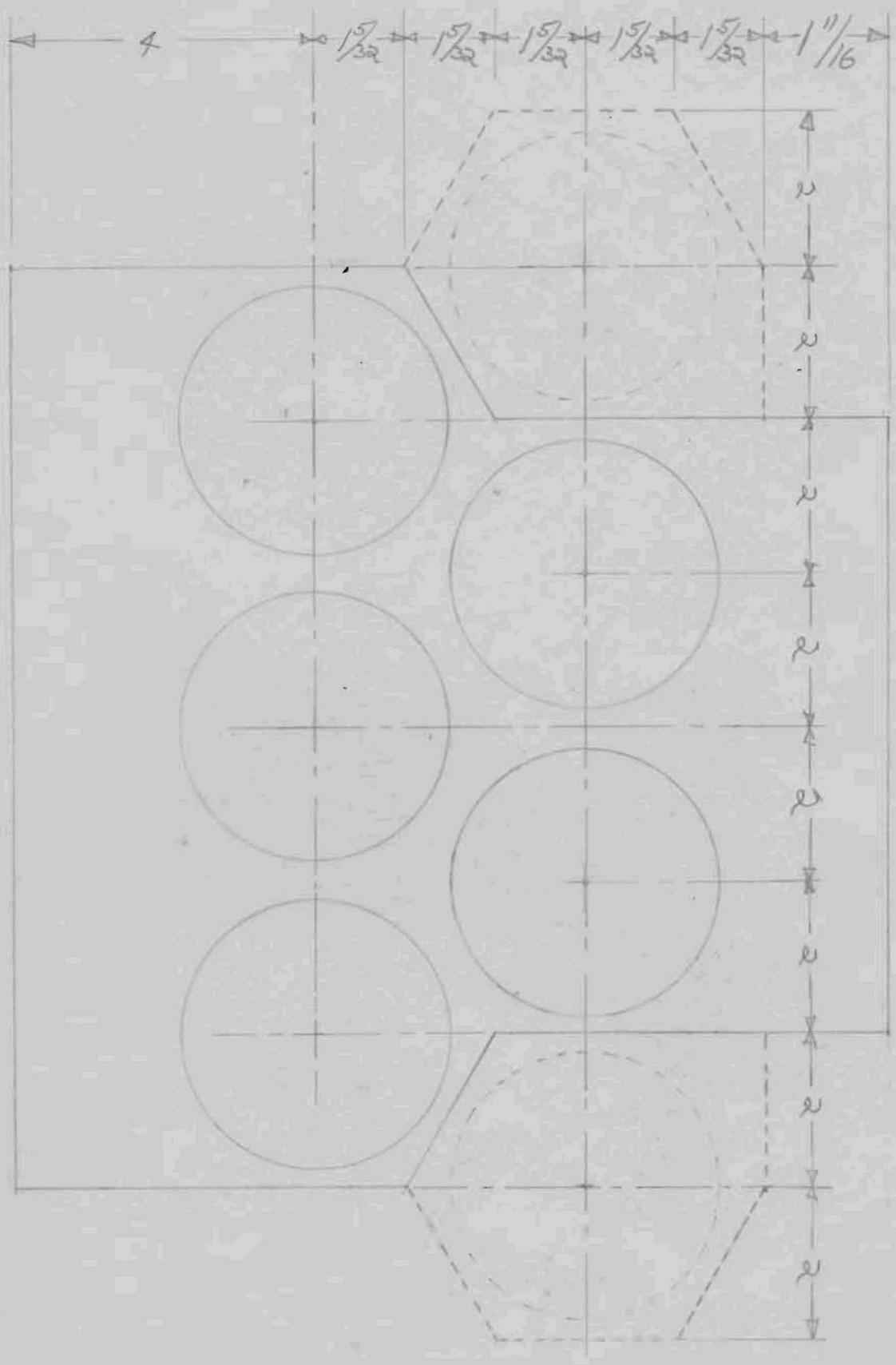
3-7-43
 Part C
 3 required with corner cut out
 2 required on dotted lines.
 17 X 5 5/8



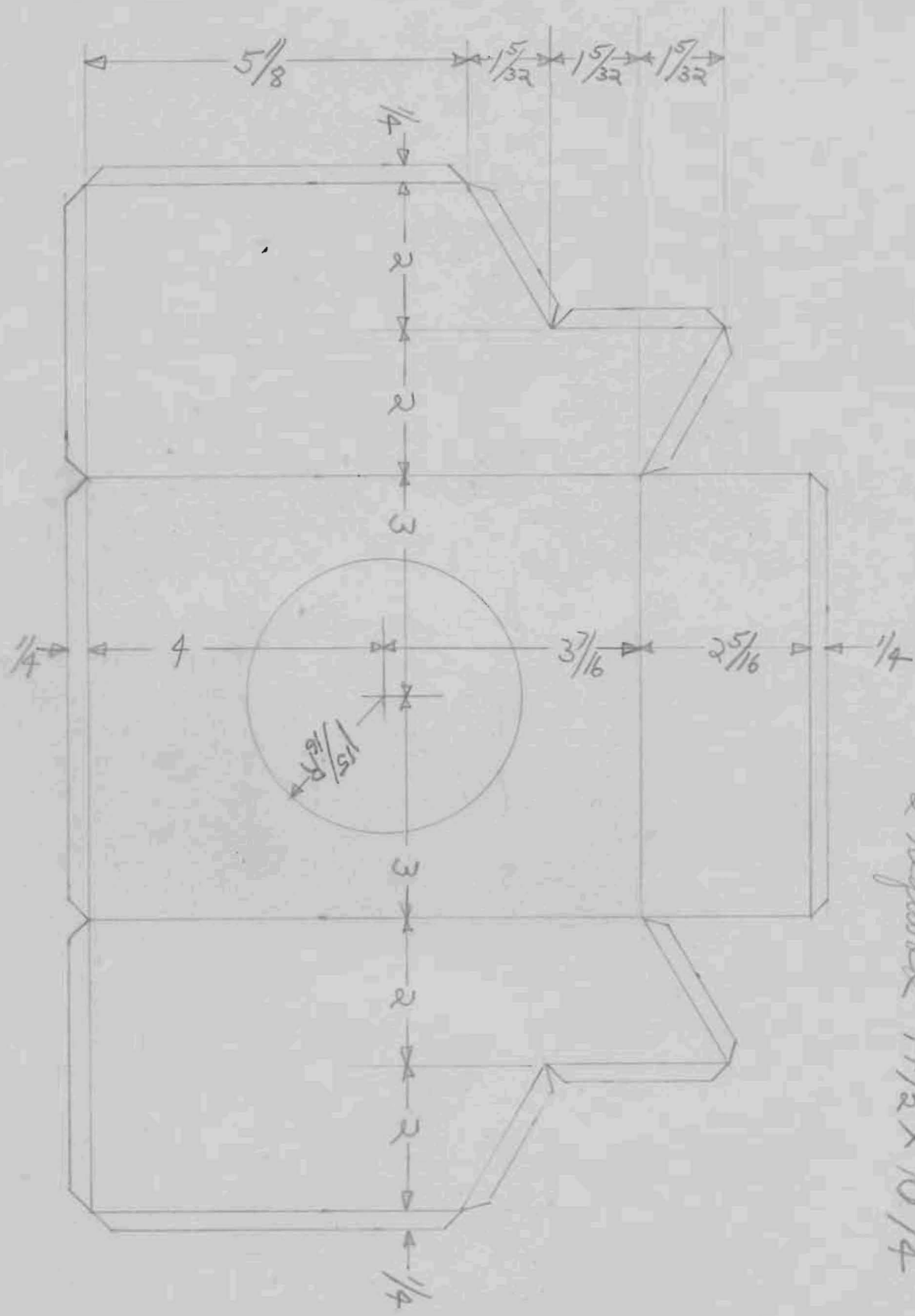
3-7-43
 Part D
 2 required
 17X 97/16

3-7-43 Part E

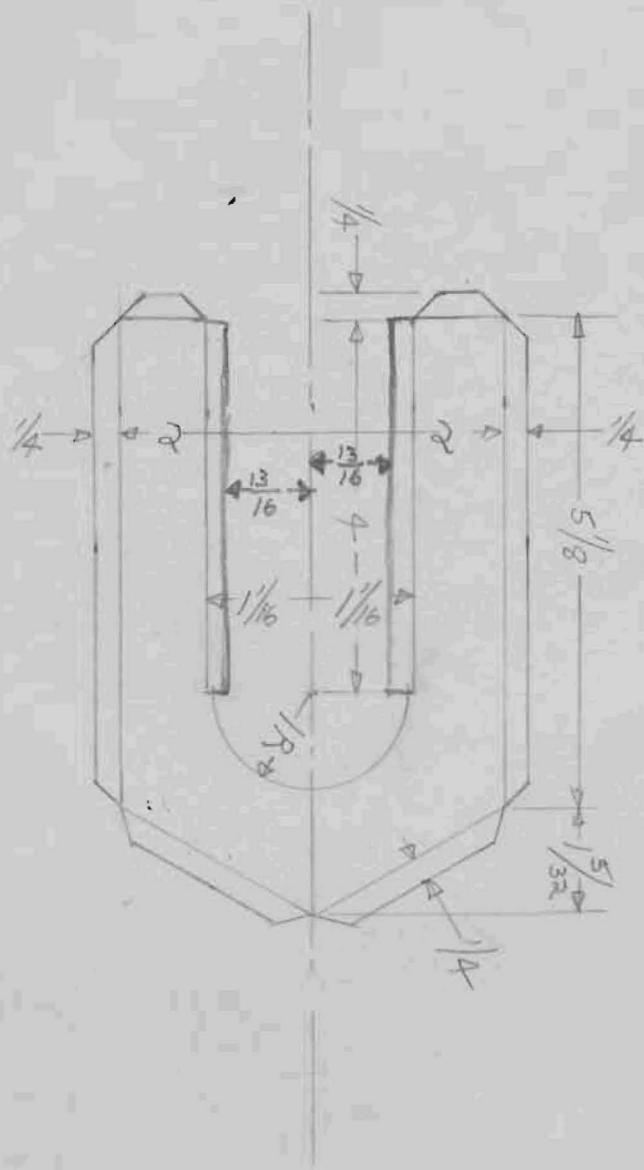
Bottom 1 required solid line 12x 11⁵/₃₂ (five 3⁷/₈" holes)
Top. 1 required with dotted extension 16x 11⁵/₃₂ (seven 3⁷/₈" holes)



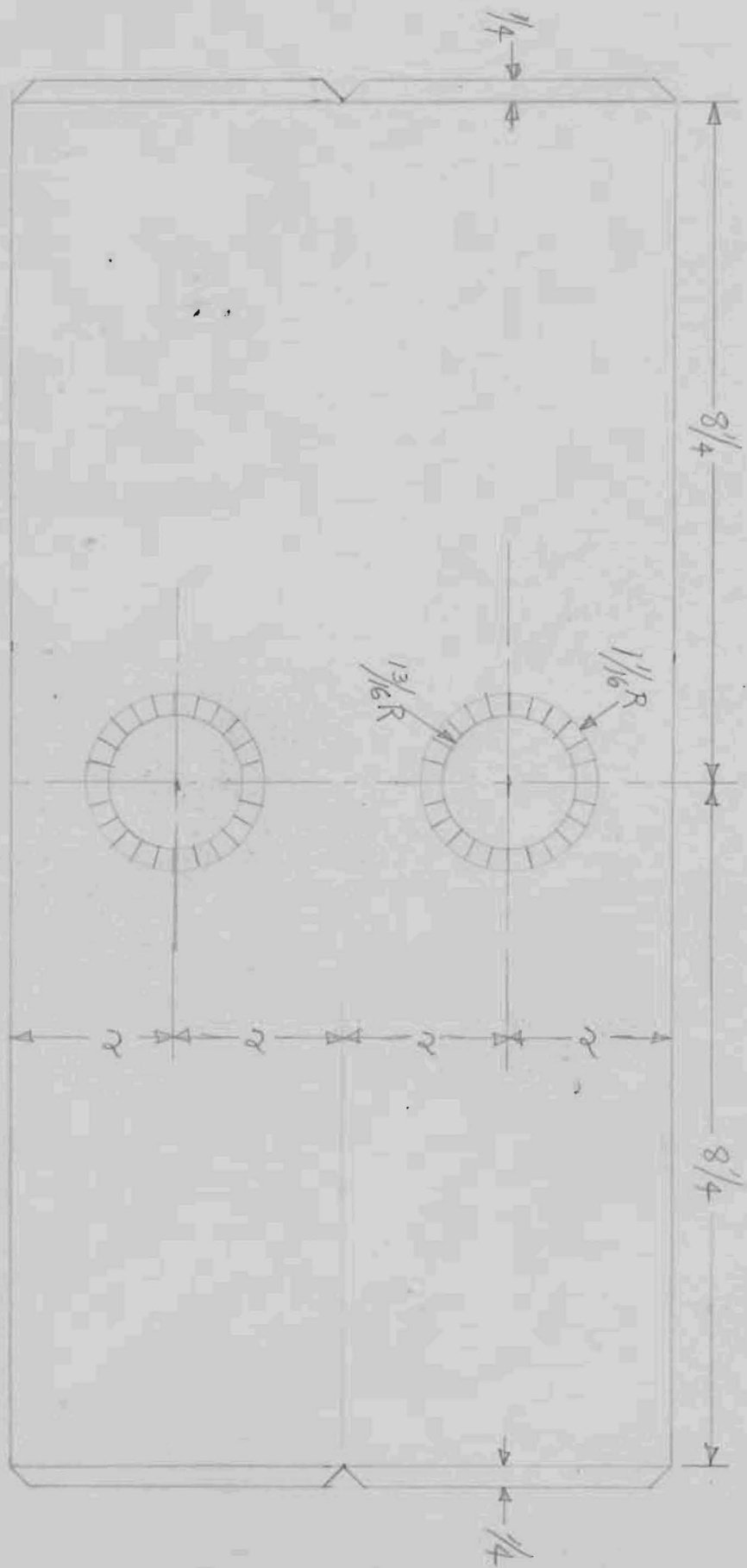
angles are 30°



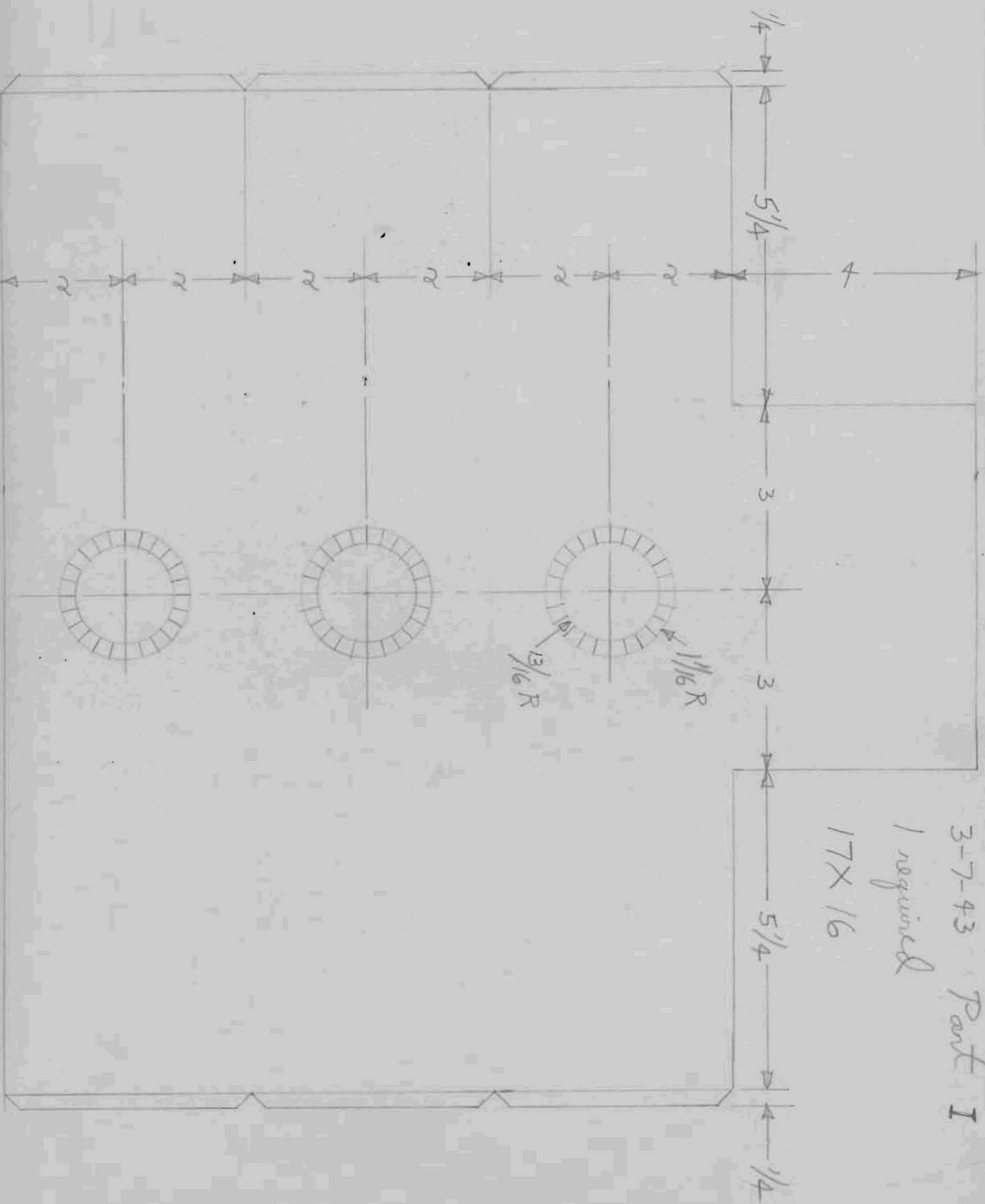
3-7-43 Part F
 2 required $14/2 \times 10/4$



3-7-43 Part G
 5 required $6\frac{5}{8} \times 4\frac{1}{2}$



3-7-43 Part H
 1 required 17X8



3-7-43 Part I
 1 required
 17X 16