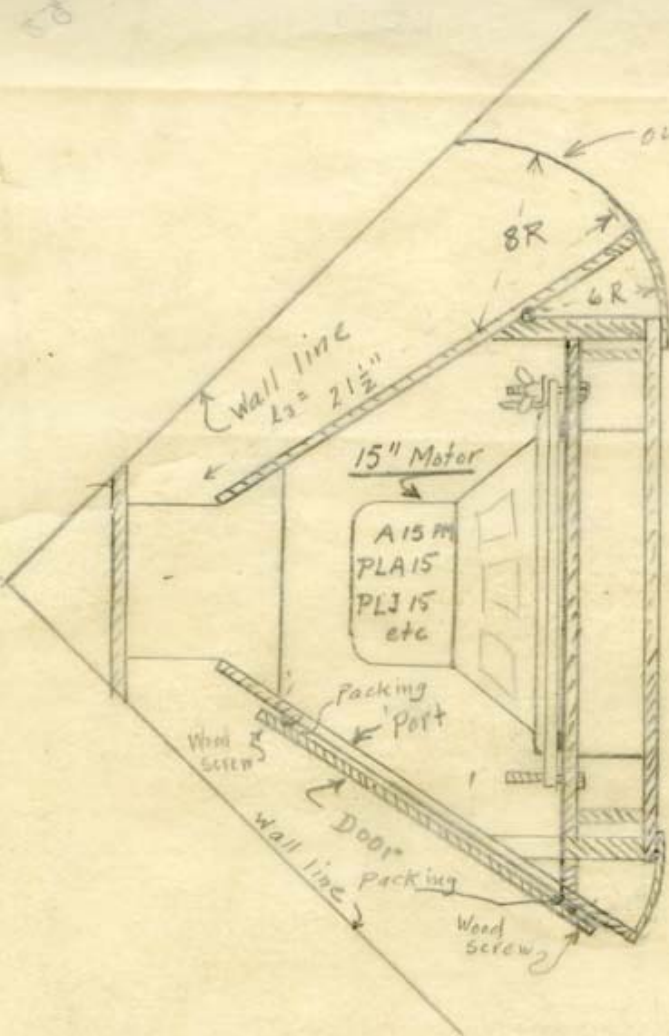


HORN

Scale $\frac{1}{8}'' = 1''$
except Corner
Detail

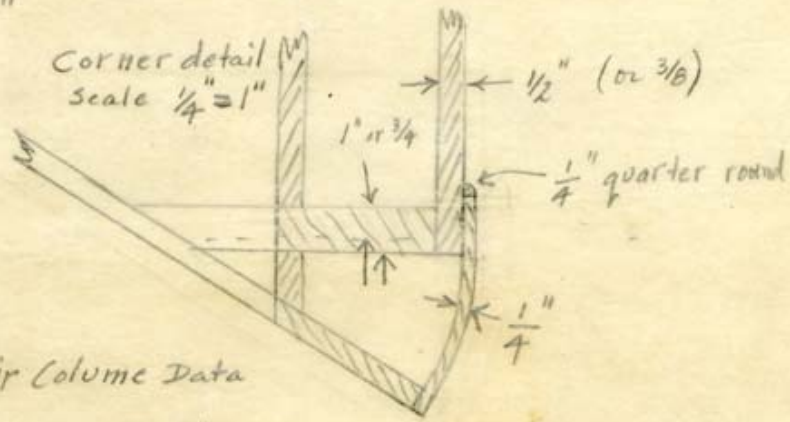
T-3-B

9K 26 Feb 46



Section
A-A

Corner detail
Scale $\frac{1}{4}'' = 1''$



Air Volume Data

$l = 50.5''$

$A_m = 16 \times 38 \frac{1}{2} = 620 \text{ in}^2$

$A_T = 93 \text{ in}^2$

$A_m / A_T = 6.65$

$2^n = 6.65 \quad \xi = 50.5/n$

$.301 n = .824$

$n = 2.75 \quad = 18.4''$

"Theoretical" Air Chamber

$V = 2.9 \times 18.4 \times 93$

$= 4900 \text{ in}^3$

Actual ≈ 4000

$\lambda_0 = 333''$

$f_0 = 40.5 \text{ Hz}$

