

$$8' \cos 15^\circ 32\frac{2}{3}' = 7.7074' = 7' 8\frac{1}{2}"$$

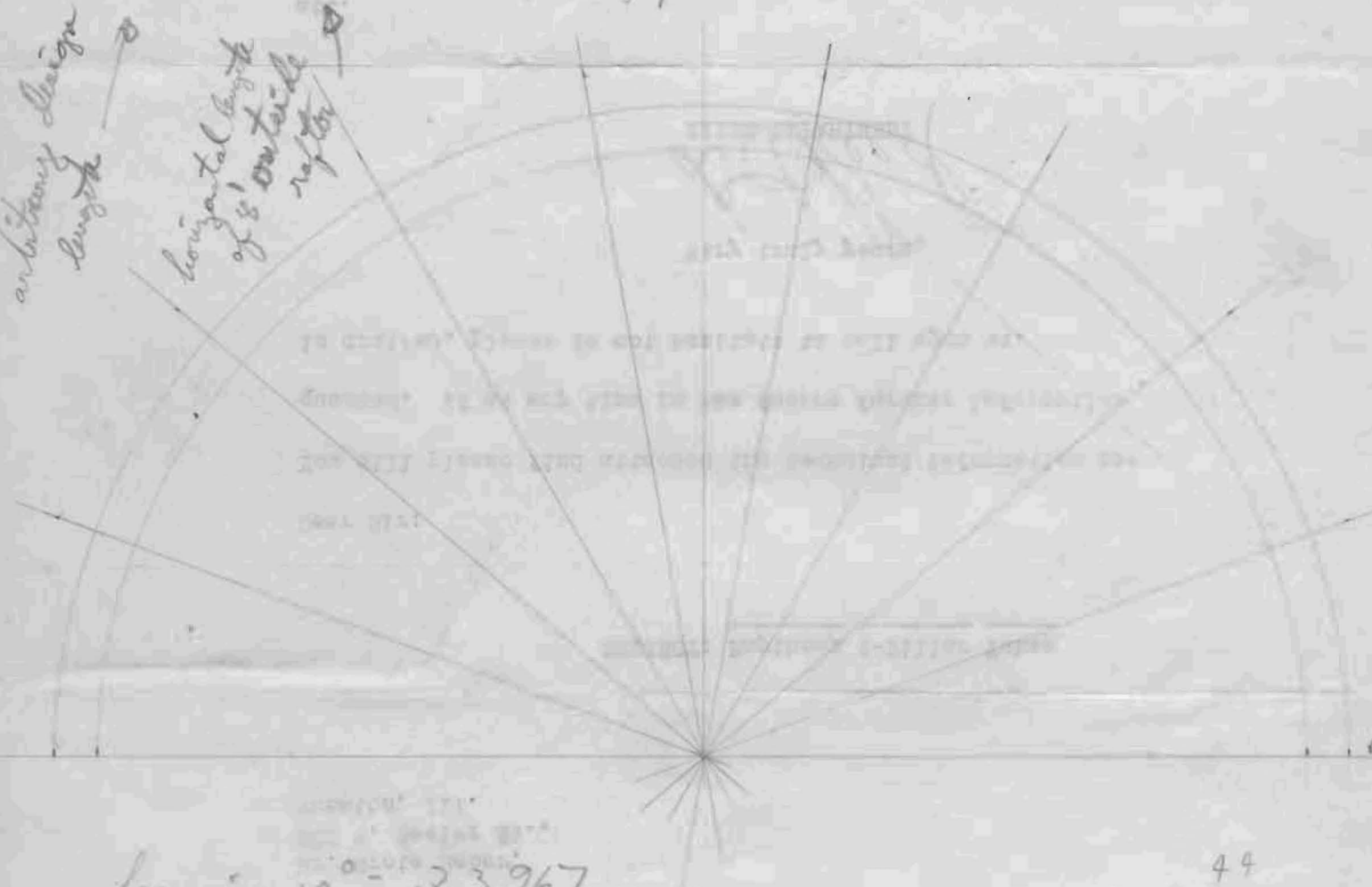
$$6' \cos 6^\circ 3' = 5.96758' = 5' 11\frac{5}{8}"$$

$$3\frac{1}{2}" \sin 6^\circ 3' = \frac{3}{8}"$$

$$\text{net length} \quad 5' 11\frac{1}{4}"$$

$$7' 3" - 5' 11\frac{1}{4}" = 1' 3\frac{3}{4}" \text{ outside radius of circle.}$$

$$7' 9" - 7' 8\frac{1}{2}" = \frac{1}{2}" \text{ gap between ends of 6' + 8' rafters}$$



$$\log \sin 10^\circ = .23967$$

$$2' = .30103$$

$$15\frac{5}{16} = 1.8505$$

$$\log 72584 = 5.3191 = 5\frac{5}{16} +$$