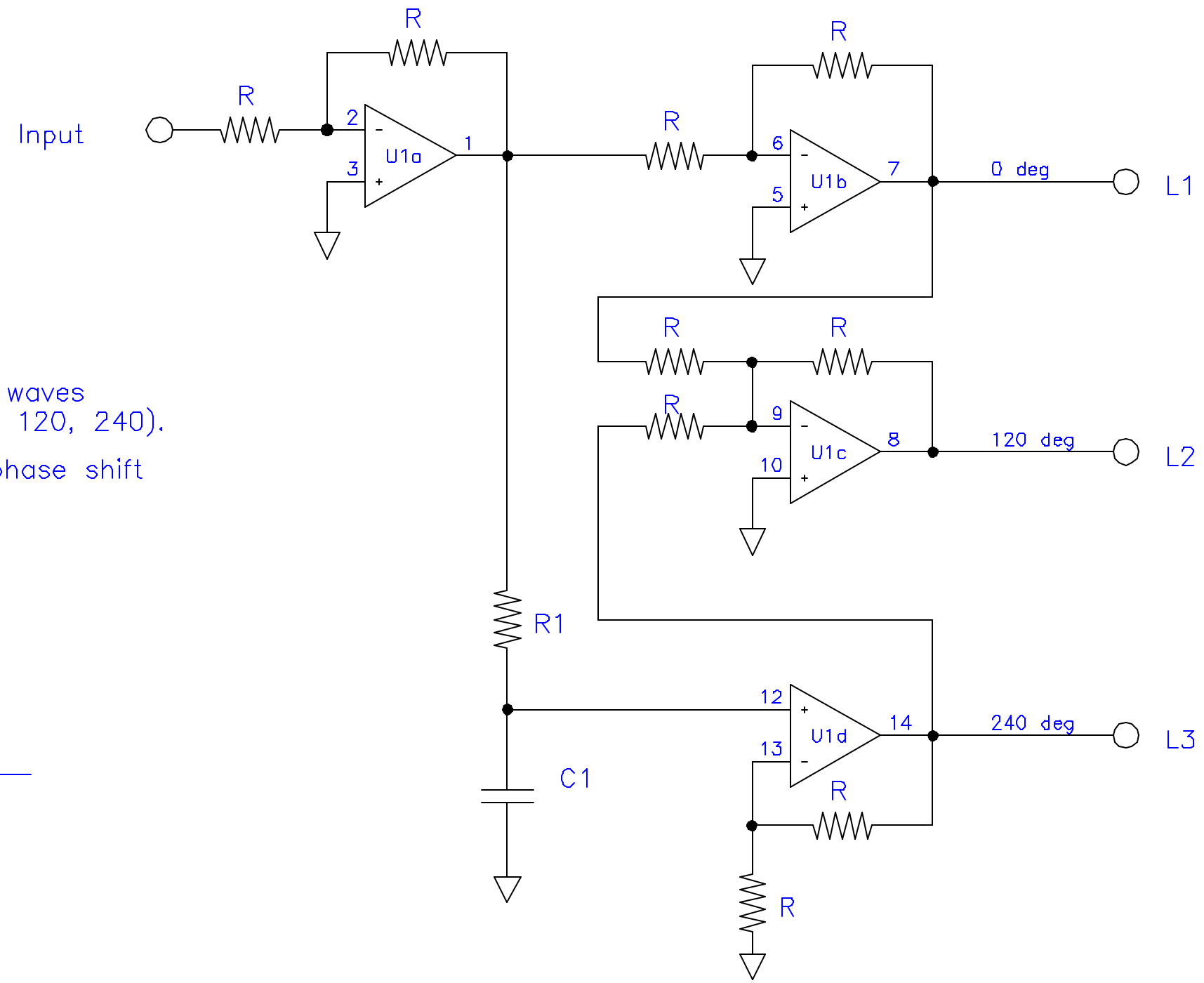

NOTES:

This circuit generates three sine waves staggered 120 degrees apart (0, 120, 240).

Adjust R1 / C1 for 60 degree phase shift at operating frequency.

$Vc = 1/2 \times V_{R1\ input}$

$$R_1 = \frac{1.732}{6.28\ F\ C_1}$$

Frequency	R1	C1
1000 hz	2.7 kohm	100 nf
400 hz	6.8 kohm	100 nf
60 hz	4.7 kohm	1 uf

R = 10 kohm

Bypass each IC with 100 nf 25 vdc ceramic cap

IC = LM324 / equiv Vcc = 4, Vee = 11

Telford Dorr

3 phase signal generator

Drawing: 3phgen.dwg

Scale: none Sheet: 1 of 1