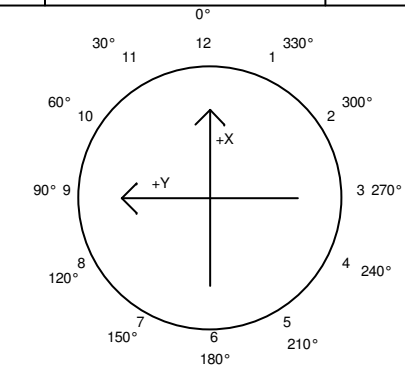
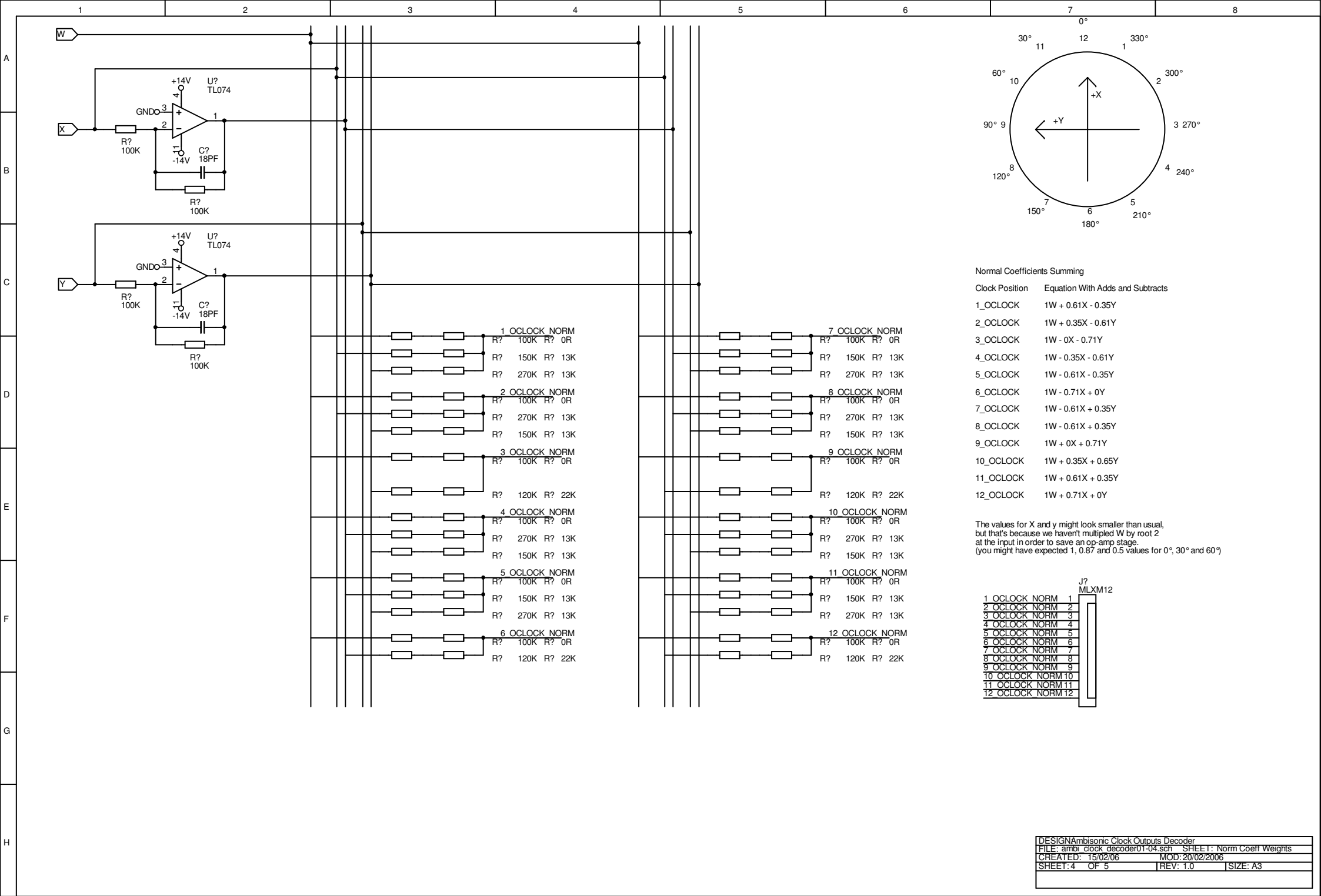




Normal Coefficients Summing

Clock Position Equation With Adds and Subtracts

1_OCLOCK	$1W + 0.61X - 0.35Y$
2_OCLOCK	$1W + 0.35X - 0.61Y$
3_OCLOCK	$1W - 0X - 0.71Y$
4_OCLOCK	$1W - 0.35X - 0.61Y$
5_OCLOCK	$1W - 0.61X - 0.35Y$
6_OCLOCK	$1W - 0.71X + 0Y$
7_OCLOCK	$1W - 0.61X + 0.35Y$
8_OCLOCK	$1W - 0.35X + 0.61Y$
9_OCLOCK	$1W + 0X + 0.71Y$
10_OCLOCK	$1W + 0.35X + 0.65Y$
11_OCLOCK	$1W + 0.61X + 0.35Y$
12_OCLOCK	$1W + 0.71X + 0Y$

The values for X and y might look smaller than usual, but that's because we haven't multiplied W by root 2 at the input in order to save an op-amp stage. (you might have expected 1, 0.87 and 0.5 values for 0°, 30° and 60°)