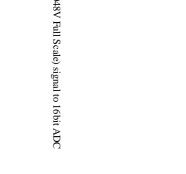
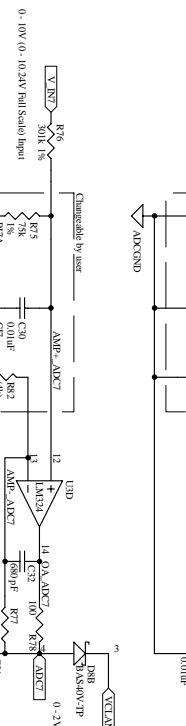
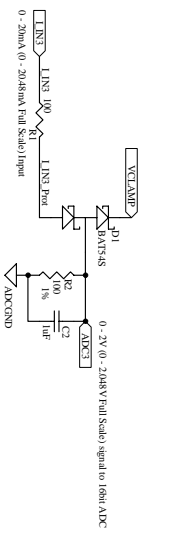
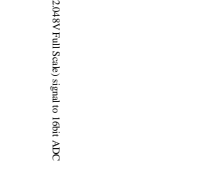
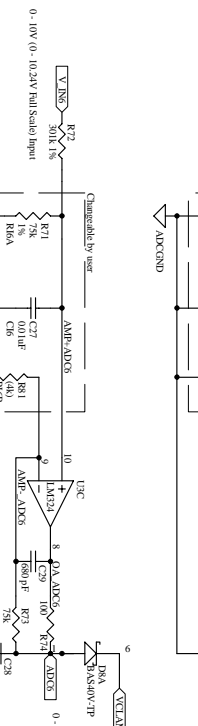
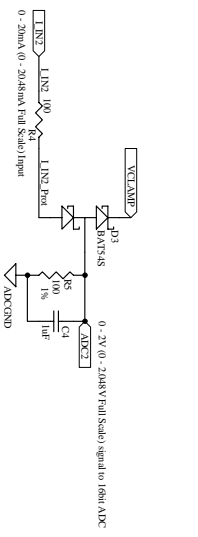
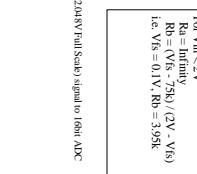
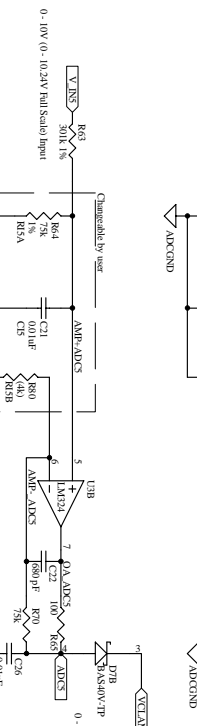
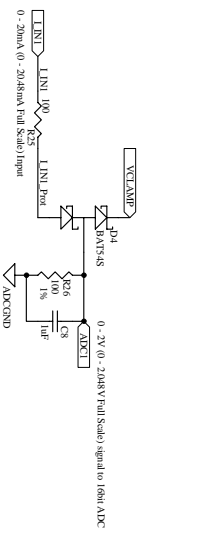
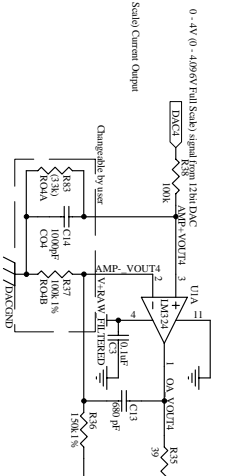
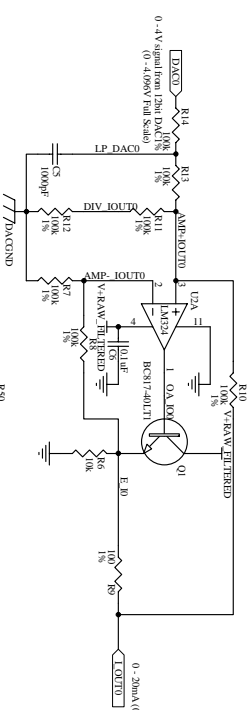


Equations:  
 For  $V_{in} > 2V$   
 $R_A = 60k \Omega / (V_{in} - 2V)$   
 $R_B = 100k \Omega$   
 For  $V_{in} < 2V$   
 $R_A = \text{Infinity}$   
 $R_B = (V_{in} - 75k) / (2V - V_{in})$   
 i.e.  $V_{in} = 0.1V, R_B = 3.95k$



Title		Current and Voltage Inputs	
Project		Signal Conditioning Wildcard	
Sheet		A	
Designer		Sally Clifford	
Checked		Sally Clifford	
Rev		3	
Date		11/30/26	
Sheet		1 of 3	





Equations:  
 For  $V_{IS} > 4.096V$   
 $R_B = (I_{SINK} * 4.096V) / (V_{IS} - 4.096V)$   
 For  $V_{IS} < 4.096V$   
 $R_B = (100k * V_{IS}) / (4.096V - V_{IS})$   
 $R_B = \text{Infinity}$

