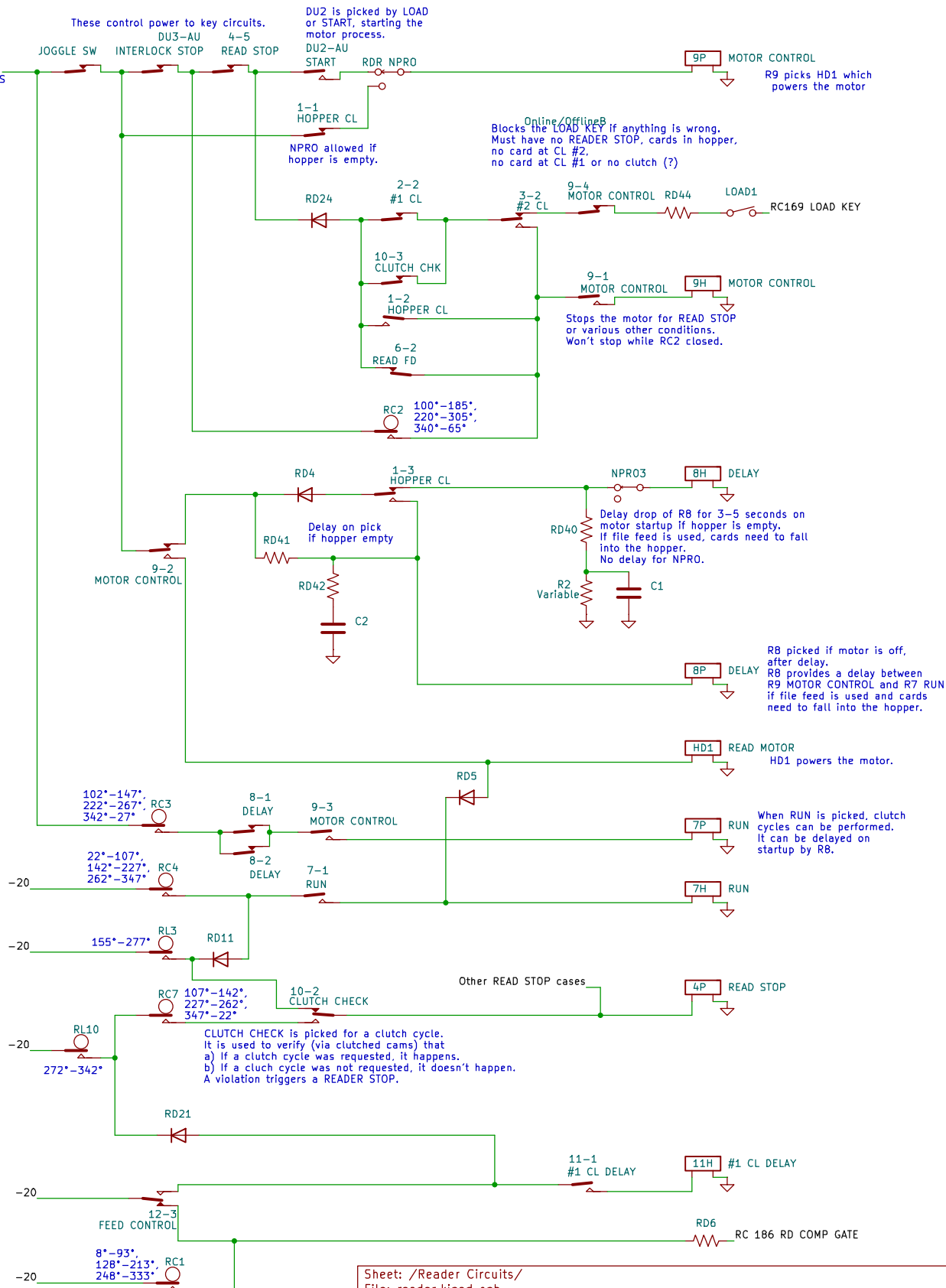


These are miscellaneous cam-controlled reader circuits.



Sheet: /Reader Circuits/  
File: reader.kicad\_sch

### Title: IBM 1402 Reader Circuits

Size: USLetter

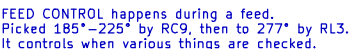
Date: 2024-02-26

Rev: 0.1

Ken Shirriff

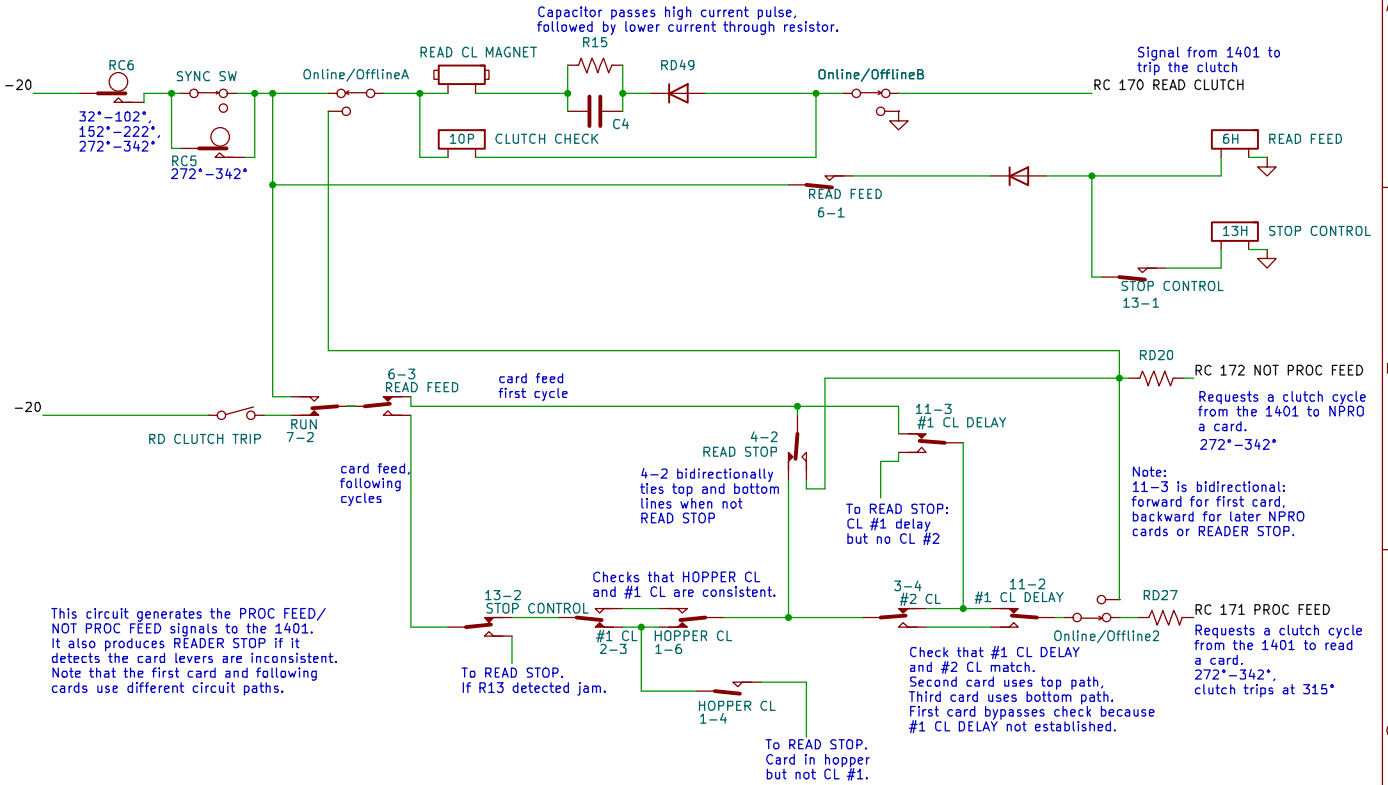
Id: 1/4

E

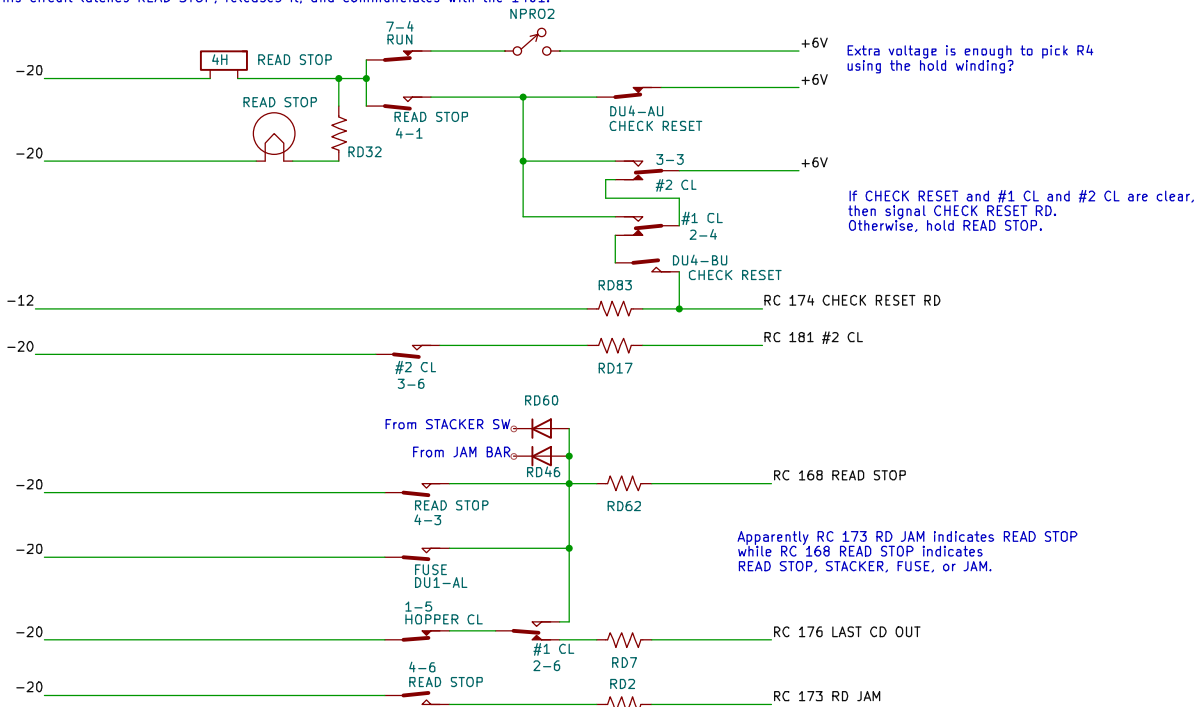


This circuit produces clutch cycles. It generates PROC FEED to feed and process a card or NOT PROC FEED to feed a card without processing it (NPRO). These signals go to the 1401, which responds with READ FEED, which trips the clutch.

In OFFLINE mode, FEED signals trip the clutch directly instead of going through the 1401:  
1. PROC FEED generates NOT PROC FEED instead.  
2. NOT PROC FEED drives one side of the clutch magnet.  
3. The other side of the clutch magnet is grounded.



This circuit latches READ STOP, releases it, and communicates with the 1401.



Sheet: /Clutch, Read Stop circuits/  
File: clutch.kicad\_sch

Title: IBM 1402 Clutch, Read Stop

Size: USLetter Date: 2024-02-28  
Ken Shirriff

Rev: 0.2  
Id: 3/4

	1	2	3	4
A	<div>Card Levers, Feed, Stop</div> <div>These approximately correspond to page 3A,4A</div> <div>File: cl.kicad_sch</div>		<div>Clutch, Read Stop circuits</div> <div>These approximately correspond to page 6,7</div> <div>File: clutch.kicad_sch</div> <div>Online/OfflineB</div>	
B				
C				
D				
E				
<div>Sheet: /</div> <div>File: 1402-schematics.kicad_sch</div> <div>Title: IBM 1402 schematics – index</div> <div>Size: USLetter   Date: 2024-02-26   Rev: 0.1</div> <div>Id: 4/4</div>				
	1	2	3	4