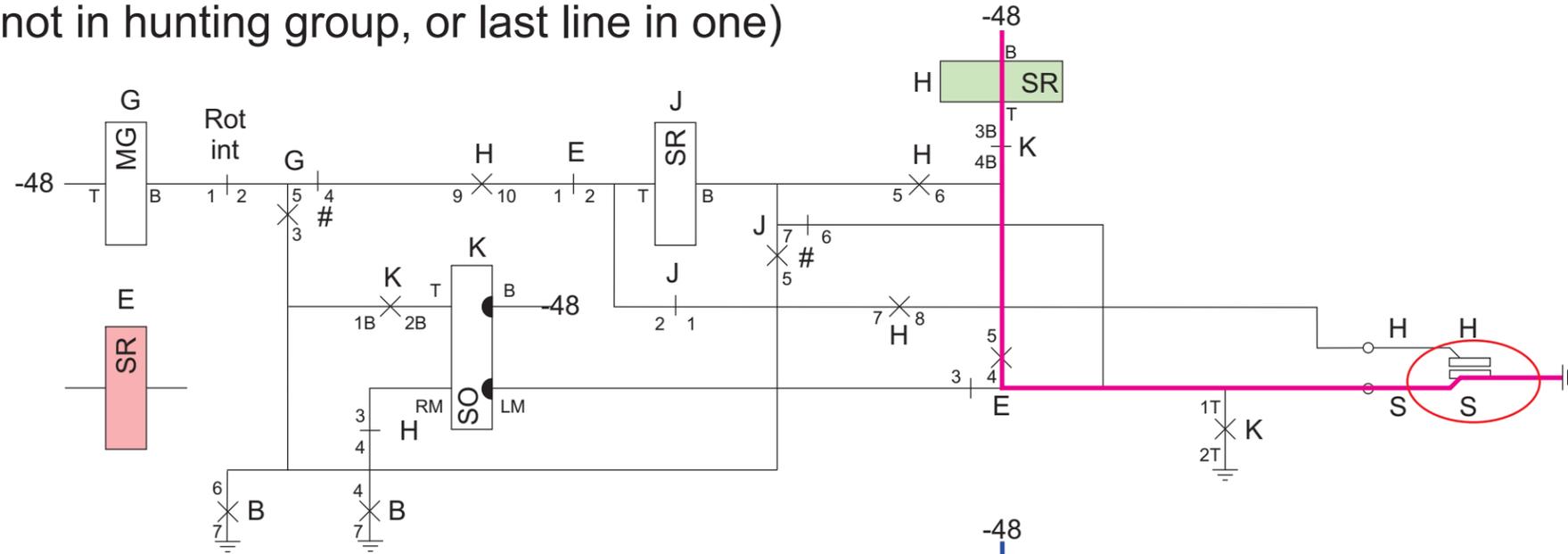


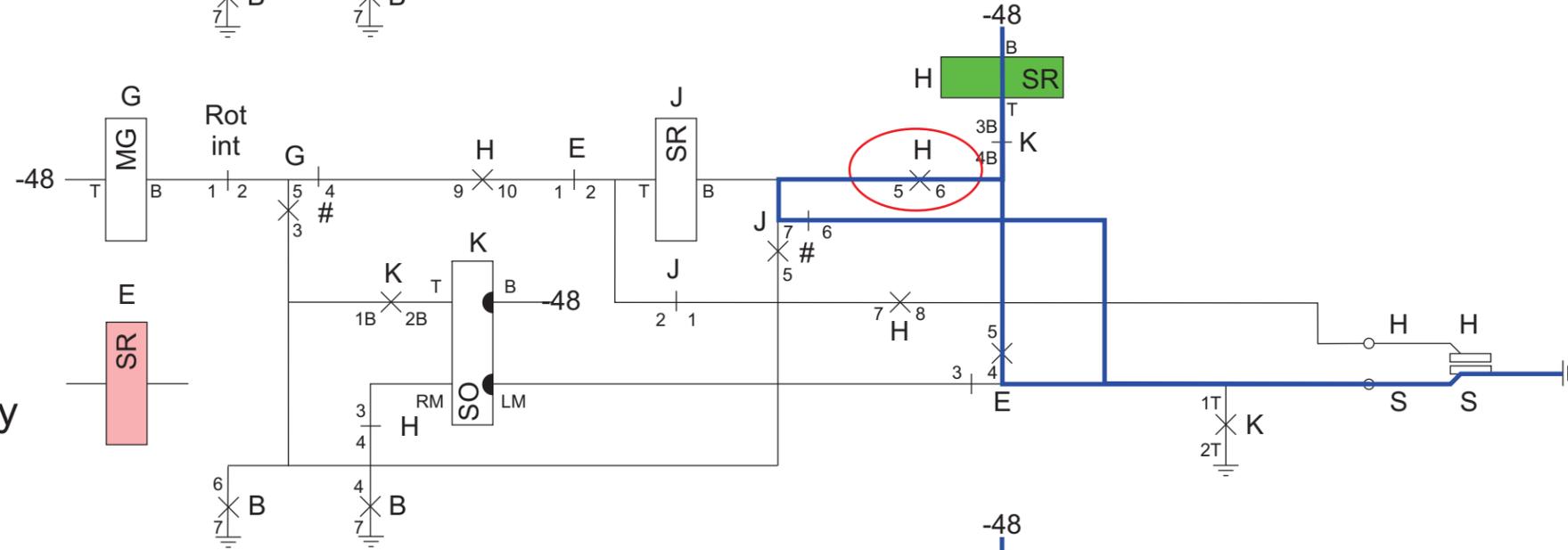
Figure 1. Called line busy (not in hunting group, or last line in one)

a. Landing on busy line, H energized
(Also true when passing busy line on the way to the called line.)
E still operated from rotary stepping.

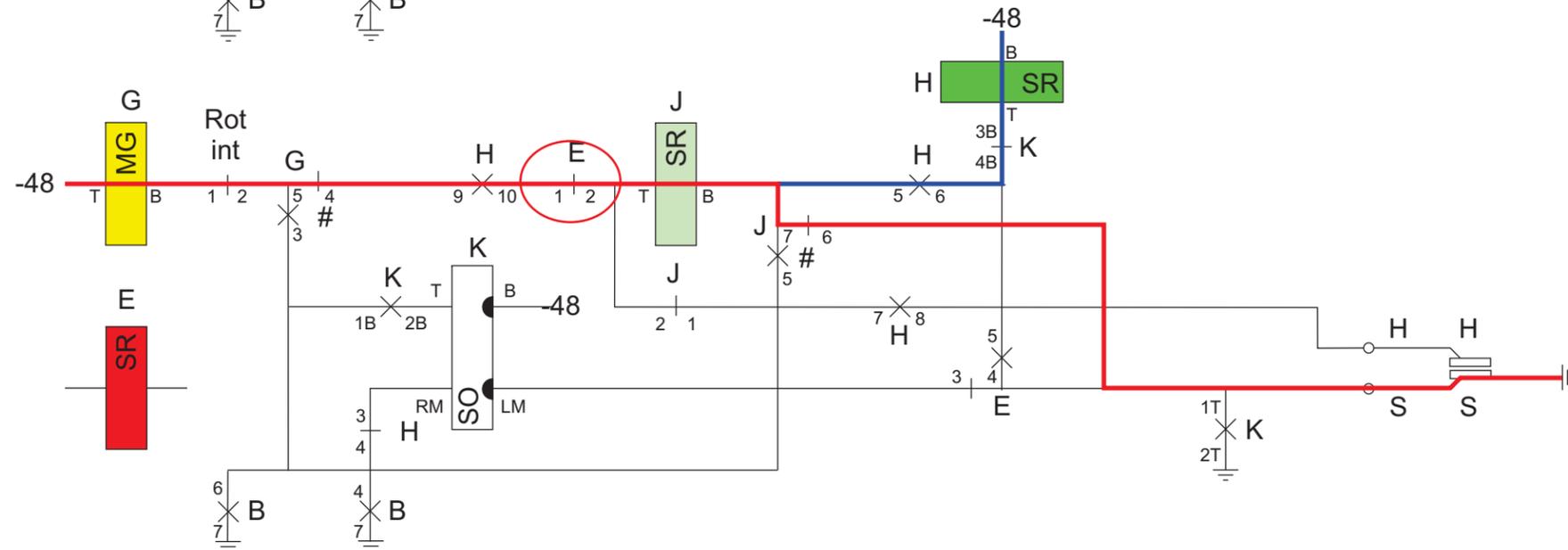


b. H operates, locks to called sleeve.

If arriving here from Fig. 3g, H will already be operated. E will already be released, so we proceed immediately to Fig. 1c.



c. E releases, J and G energized in series (but current too little to operate G).



Key to symbols and relay index on sheet 2

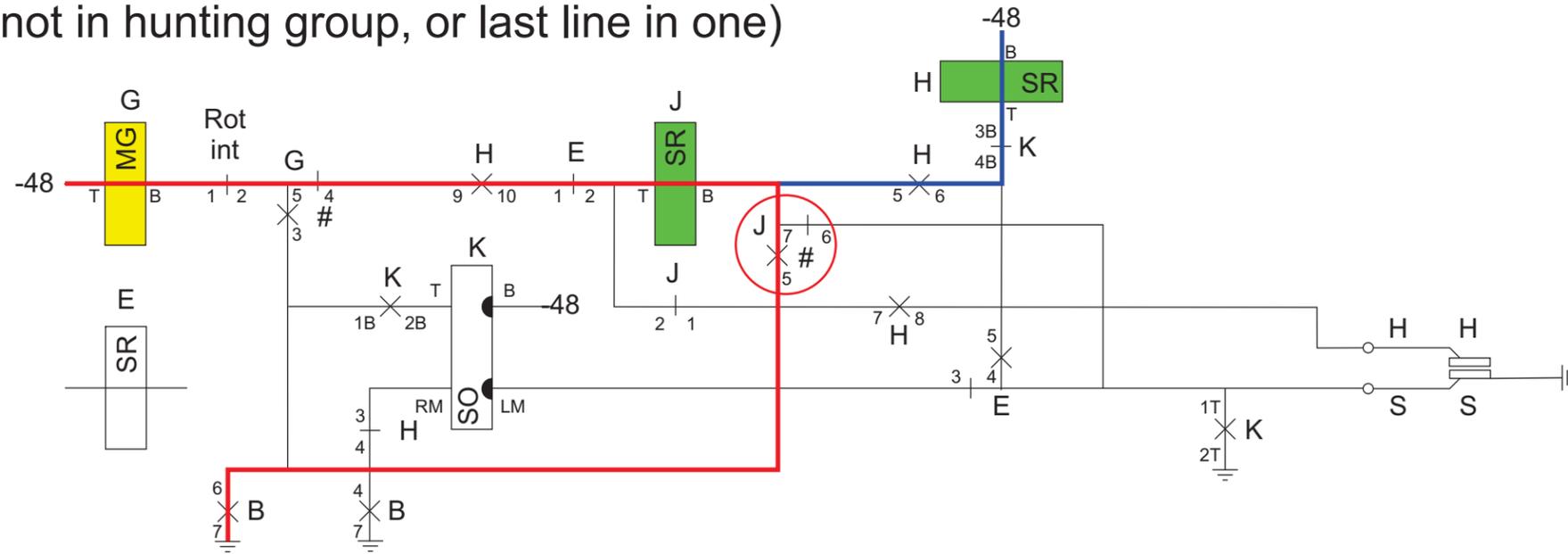
Path development for busy test, busy, cut through, and rotary hunting.

(Continued on next sheet)

Step-by-step system SD-30215-01 switch Local rotary hunting connector			
num SXS-SK1056	iss 03	date 2020.02.05	sht 01
proj SXS study	type CDR	dwn DAK	of 06
laboratories dak scientific and technical undertakings Alamogordo, New Mexico			

Figure 1. Called line busy (not in hunting group, or last line in one)
(continued)

d. J operates, locks, gives busy tone to calling line (current too little to operate G).



Key

- Relay released
- Coil energized but relay not yet operated
- Relay operated
- Coil energized but current too little to operate
- Relay de-energized but not yet released
- Just now or recently released
- Status varies

Relays with functions*

- E Rotary pulsing in progress
- G Rotary hunt step
- H Busy test
- J Busy tone
- K Cut through

*Only relays seen in this drawing.

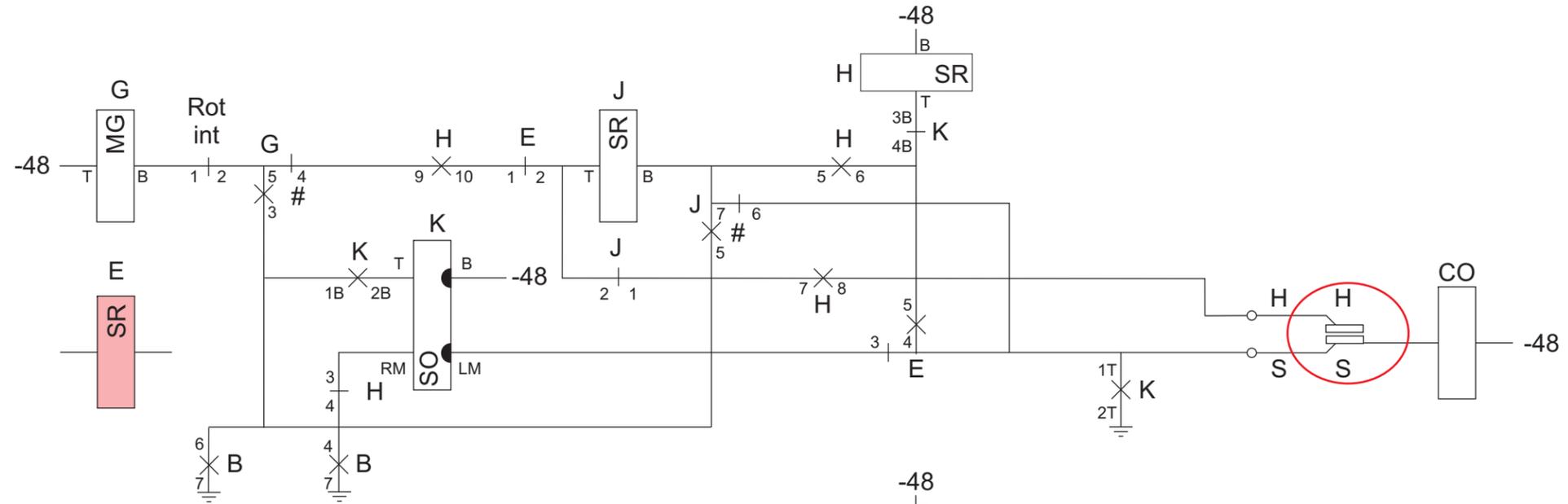
- Path newly shown this figure
- Path first shown earlier
- Contact change significant

Path development for busy test, busy, cut through, and rotary hunting.

Step-by-step system SD-30215-01 switch Local rotary hunting connector			
num SXS-SK1056	iss 03	date 2020.02.05	sht 02
proj SXS study	type CDR	dwn DAK	of 06
laboratories dak scientific and technical undertakings Alamogordo, New Mexico			

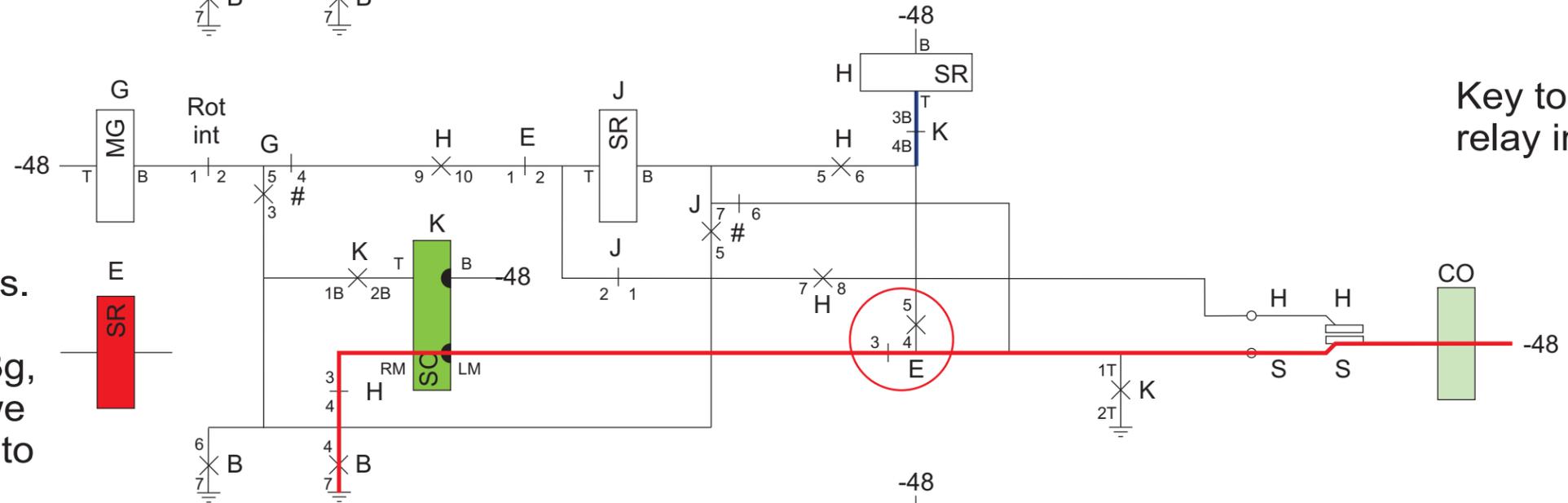
Figure 2. Called line idle

a. Landing on idle line, H not energized, E still operated from rotary stepping.



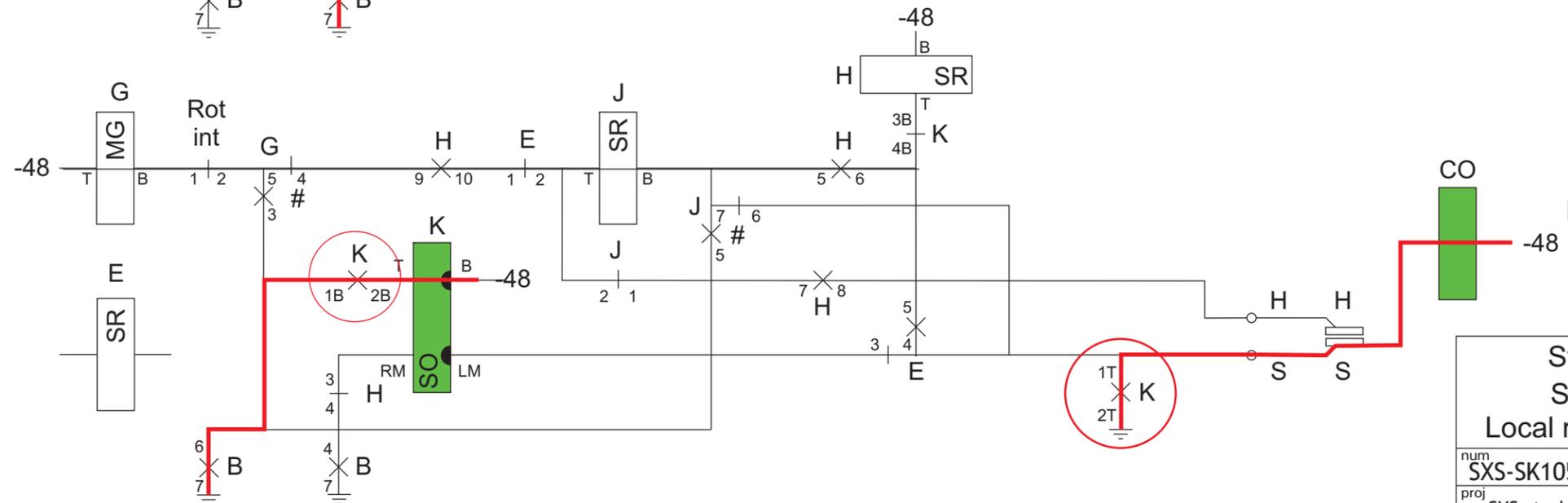
b. E releases, K energized in series with CO, CO probably operates.

If arriving here from Fig. 3g, Hi will be operated, and we must wait for it to release to complete path to K..



Key to symbols and relay index on sheet 2

c. K operates, locks, cuts through to called line, grounds called line sleeve, CO operates if it did not in the previous stage, ringing starts.

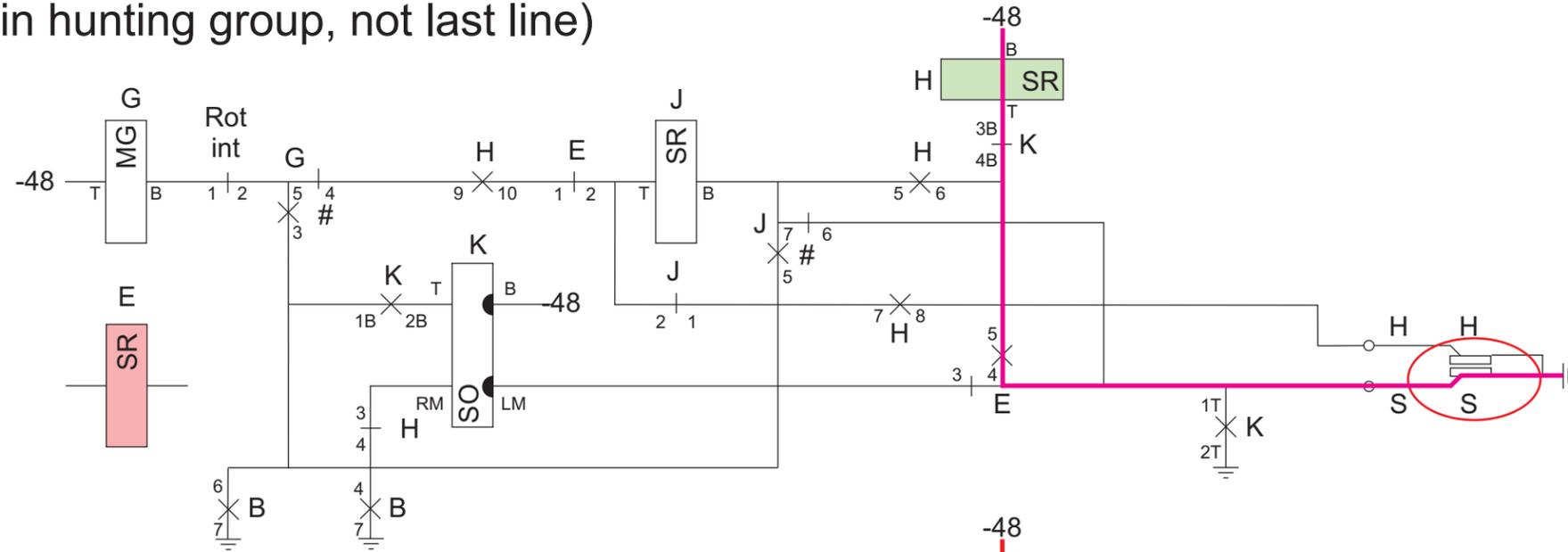


Path development for busy test, busy, cut through, and rotary hunting.

Step-by-step system			
SD-30215-01 switch			
Local rotary hunting connector			
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laboratories dak			
scientific and technical undertakings			
Alamogordo, New Mexico			

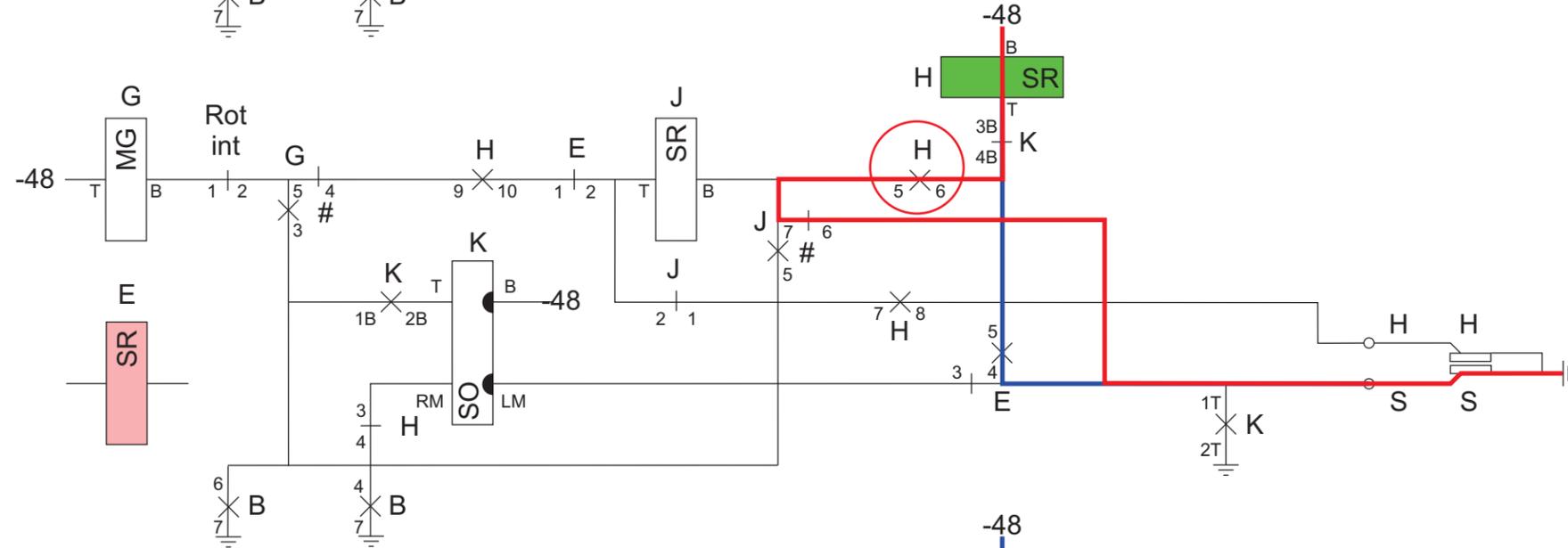
Figure 3. Called line busy (in hunting group, not last line)

a. Landing on busy line, H energized, E still operated from rotary stepping.

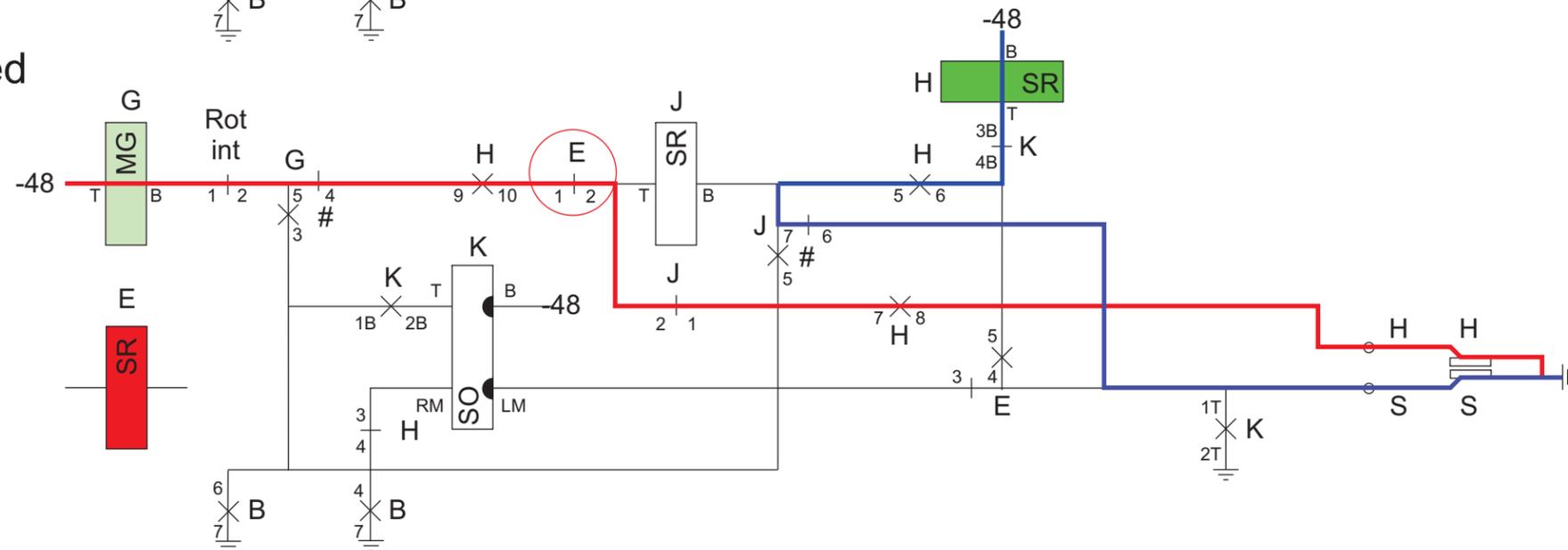


b. H operates, locks.

If we arrived here from Fig. 3g, H will already be operated.



c. E releases, G energized (J is shorted out so does not operate).



Path development for busy test, busy, cut through, and rotary hunting.

Step-by-step system
SD-30215-01 switch
Local rotary hunting connector

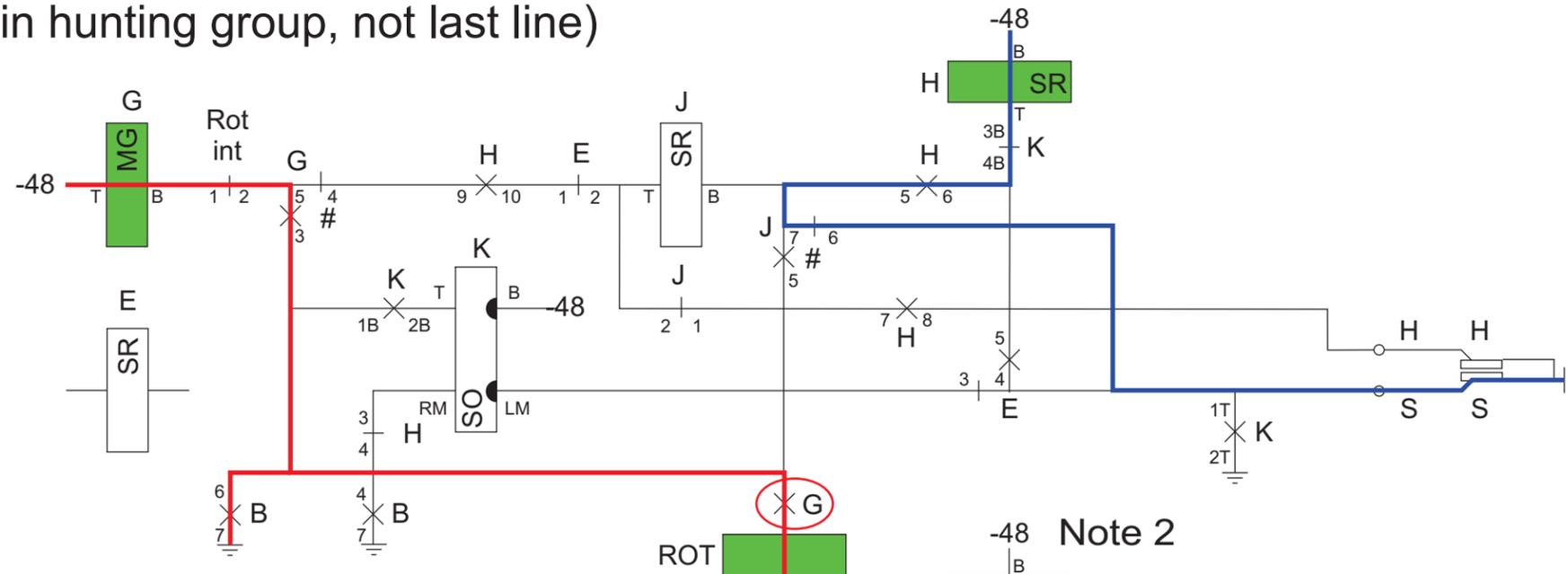
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proj	SXS study	type	CDR	dwn	DAK	of	06

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Alamogordo, New Mexico

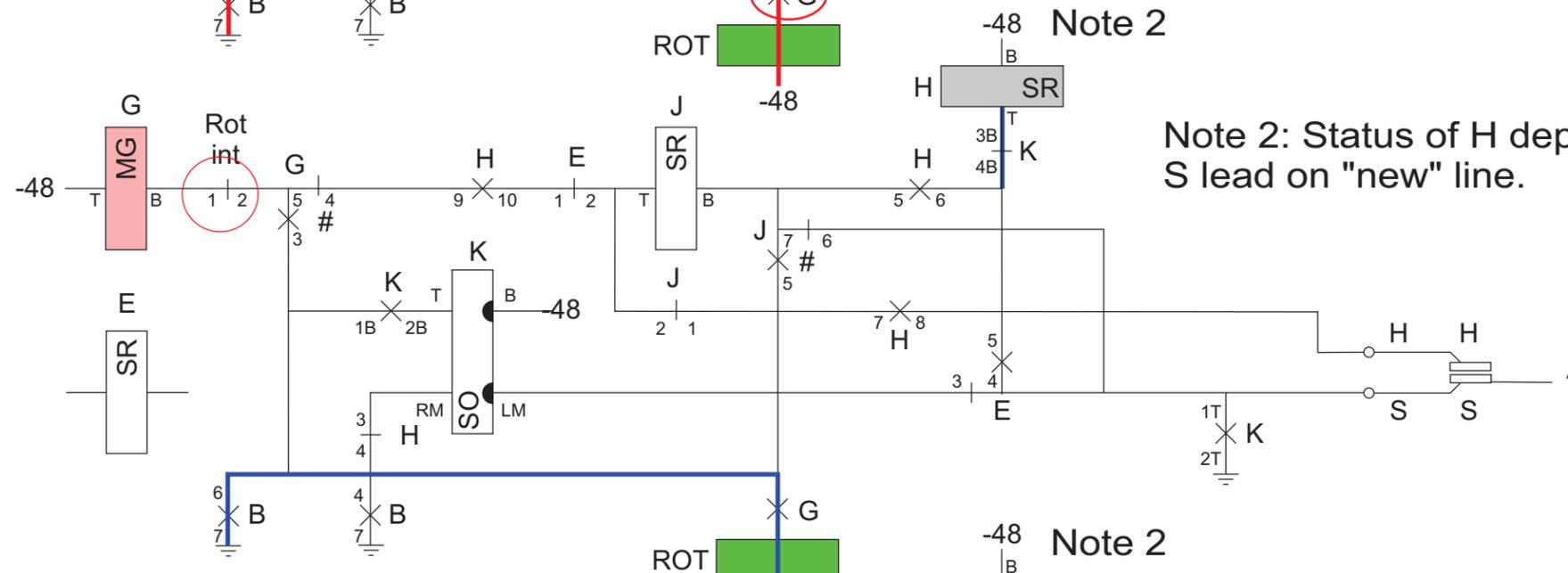
(Continued on next sheet)

Figure 3. Called line busy (in hunting group, not last line)

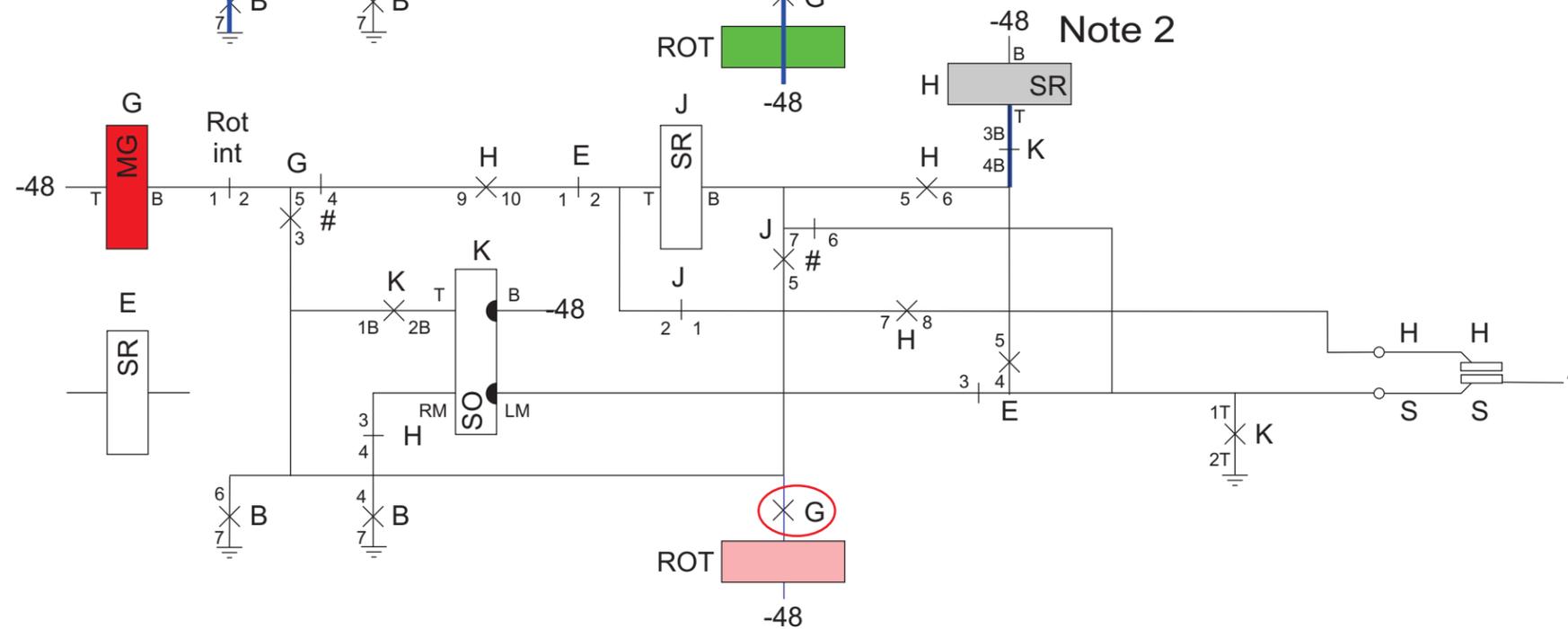
d. G operates, holds, operates ROT; switch steps to next line.



e. ROT operated de-energizes G.



f. G releases, G released de-energizes ROT.

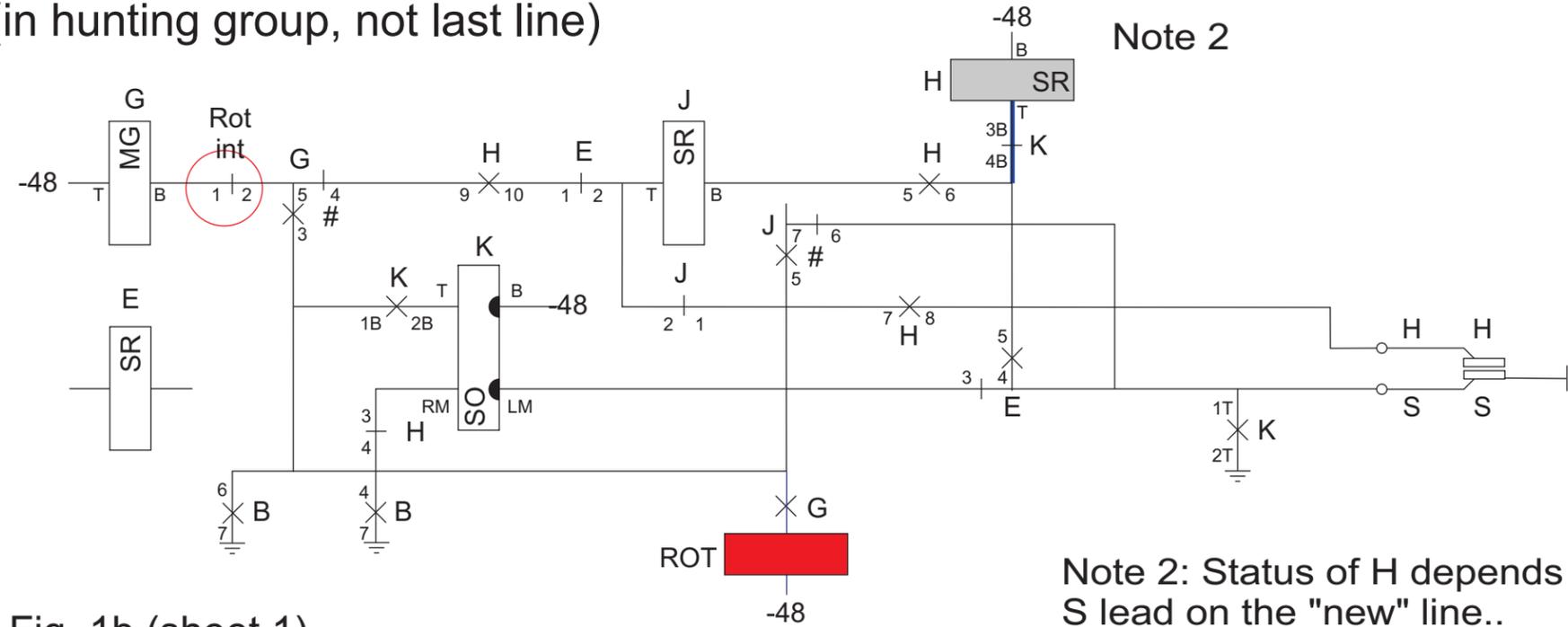


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Path development for busy test, busy, cut through, and rotary hunting.

Step-by-step system			
SD-30215-01 switch			
Local rotary hunting connector			
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SXS-SK1056	03	2020.02.05	05
proj	type	dwn	of
SXS study	CDR	DAK	06
laboratories dak			
scientific and technical undertakings			
Alamogordo, New Mexico			

Figure 3. Called line busy (in hunting group, not last line)



g. ROT releases;
Rot, Int. recloses path
for G to be re-operated.

Then if, on the "new" line:

- S (only) is grounded, go to Fig. 1b (sheet 1)
- S and H are grounded, go to Fig. 3b (sheet 4)
- S (or S and H) has battery, go to Fig. 2b (sheet 3)

Note 2: Status of H depends on state of S lead on the "new" line..

Path development for
busy test, busy,
cut through, and
rotary hunting.

Step-by-step system SD-30215-01 switch Local rotary hunting connector			
num SXS-SK1056	iss 03	date 2020.02.05	sht
proj SXS study	type CDR	dwn DAK	of 06
laboratories dak scientific and technical undertakings Alamogordo, New Mexico			