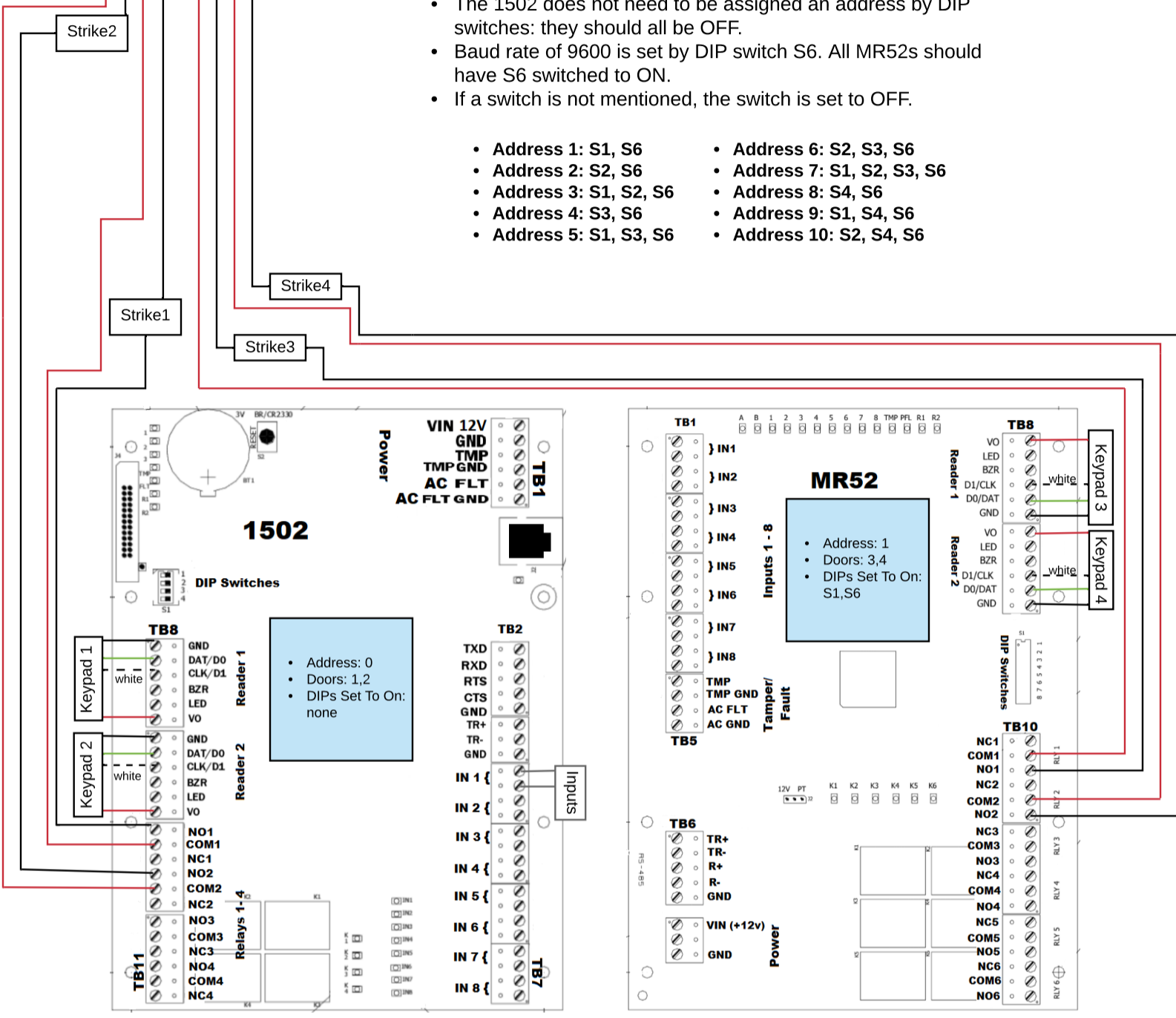· Relay position refers to strike wiring location.
· Reader position refers to keypad wiring location.
· Input position refers to door sensor, also called **DPS**, wiring location.
-On 1502-
· **Reader1**, **Relay1**, and **input1** will be associated to **Door 1**.
· **Reader2**, **Relay2**, and **input2** will be associated to **Door 2**.
-On MR52-
· **Reader1**, **Relay1**, and **Input1** will be associated to **odd numbered doors** past 1 (E.g. 3, 5, 7).
· **Reader2**, **Relay2**, and **Input2** will be associated to **even numbered doors** past 2 (E.g. 4, 6, 8).

DIP Switch Settings For MR52:

- The 1502 will always have an address assignment of "0".
- MR52 address assignment starts at "1".
- The 1502 does not need to be assigned an address by DIP switches: they should all be OFF.
- Baud rate of 9600 is set by DIP switch S6. All MR52s should have S6 switched to ON.
- If a switch is not mentioned, the switch is set to OFF.

- **Address 1: S1, S6**
- **Address 2: S2, S6**
- **Address 3: S1, S2, S6**
- **Address 4: S3, S6**
- **Address 5: S1, S3, S6**
- **Address 6: S2, S3, S6**
- **Address 7: S1, S2, S3, S6**
- **Address 8: S4, S6**
- **Address 9: S1, S4, S6**
- **Address 10: S2, S4, S6**

- Use 22/6 shielded cable for keypad/readers within 250 ft. Use 18 for readers within 500ft.

- Use 18/4 stranded for Fail-Secure locks and 18/6 for Fail-Safe locks within 100 feet. Check strike manual for max gauge and wire-run length.

- Power supply jumper is pre-set to 12VDC. Power down before changing, if needed.

- If powering with 24V, will need to change power jumper from PT to 12V on each panel.

- Keypads must be installed no higher than 54 inches (to the top row of keys) above the floor if side reach is available. Otherwise, 48 inches is required.

- Contact sensors are to be installed 6-8 inches from the hinges on the top of the door/header.

- Multiple batteries can be used in series for longer backup durations.

- Strikes should be set to 12v input only, unless supplied by seperate power source.

- **First Input** is for a door sensor.

- **Next Input** is for a Request to Exit (REX) device.

- **Both these Inputs need to be defined online, in prospective door's settings.**