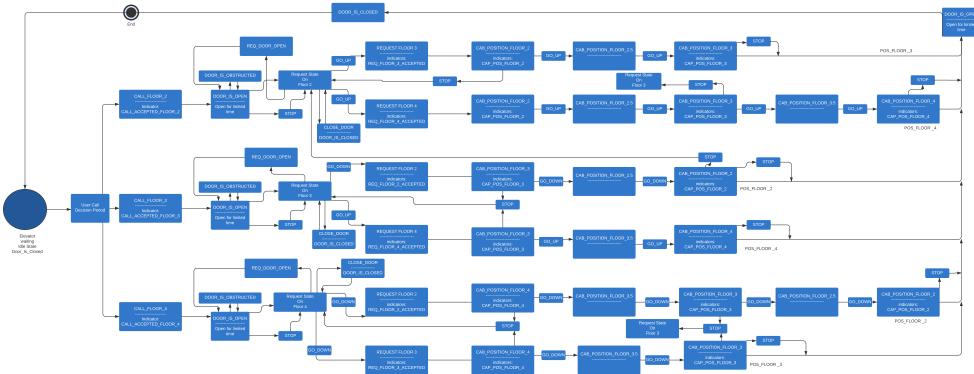
State Diagram for 1980s KONE roped hydraulic elevator, @ Söderhamn Hospital



Descriptions: Based on my assumptions:

- Person enters through the door after using elevator control pannel outside
 Person is allowed to used the keys to go up, go down, open door, stop and use bell
- keys
- 3. After door is closed and user input is received, the elevator starts to move
- 4. After elevator achieves or passes the floor level sensor, person can stop at that floor.
- 5. Person can change decisions after pressing the stop key.
- Elevator floor position and motion is shown in the indicator lights.

PART

- 1. The Elevator Controller should control elevator to move up according to user destinations and elevator initial position (GO UP= TRUE && REQ_FLOOR_4)is received. (For going to floor 4)
- 2. The Elevator Controller should control elevator to move down according to user destinations and elevator initial position ((GO DOWN= TRUE && REO FLOOR 2) is received. (For going to floor 2)
- initial position ((GO DOWN= TRUE && REQ_FLOOR_2)is received. (For going to floor 2)

 3. The Elevator Controller should control elevator to stop and reset the user inputs if (STOP= TRUE)is received through the stop button.
- 4. The Elevator Controller should control elevator to open the door if (OPEN DOOR= TRUE) is received through the open-door button.
- 5.The Elevator Controller should also control elevator to open the door if (OPEN DOOR= TRUE && CALL_FLOOR_2= TRUE) is received through the open door button from outside.
- 6.The Elevator Controller should control elevator to close the door if (CLOSE DOOR= TRUE) is received through the close door button.
- 7.The Elevator Controller should control elevator to display arrival position according to its floor position (Display 2 if POS_FLOOR_= 2) and so on.

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