

This sequence diagram only corresponds to the passing of a single event containing a MOTOR_ERROR. Once the elevator receives the motor error flag, the next time it tries to move, it will go into the MOTOR_ERROR state. The function "checkMotorError" is used when moving or when the elevator is about to move (DOORS_CLOSED to moving). It checks the flag and triggers the MOTOR_ERROR state when the flag is set to true.

These Thread objects each run in their own class's main loop. In assignment 3's sequence diagram it show any looping activity, but we feel that it is crucial to our design to include some of the inner loops.

