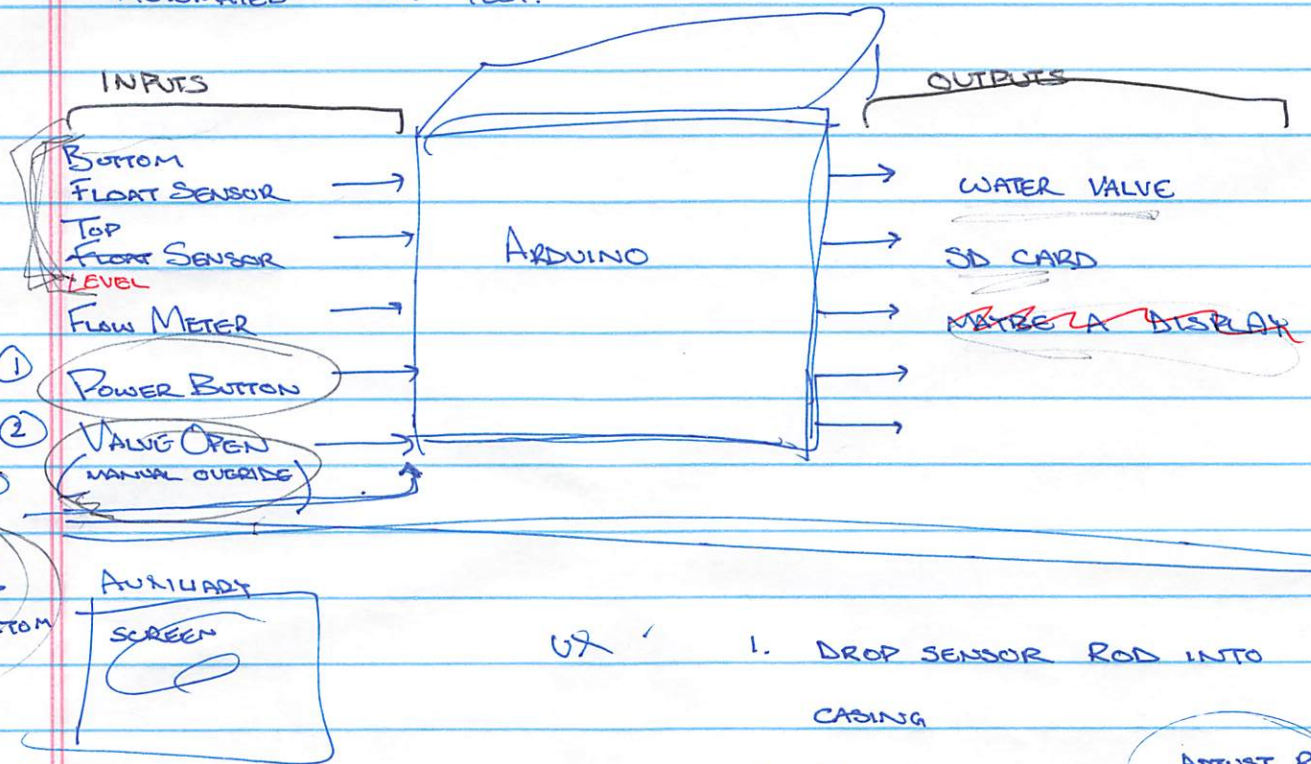


Automated Perc. Test.



UX

1. DROP SENSOR ROD INTO CASING

2. TURN ON WATER

ADJUST REFILL HEIGHT

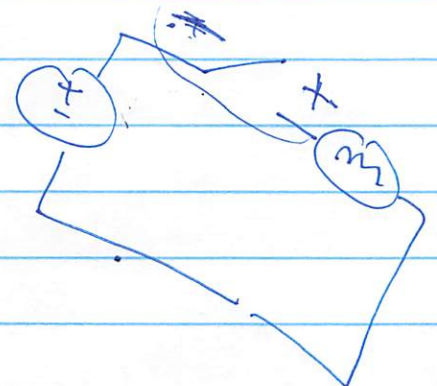
SETUP

3. PLUG IN SENSOR TO

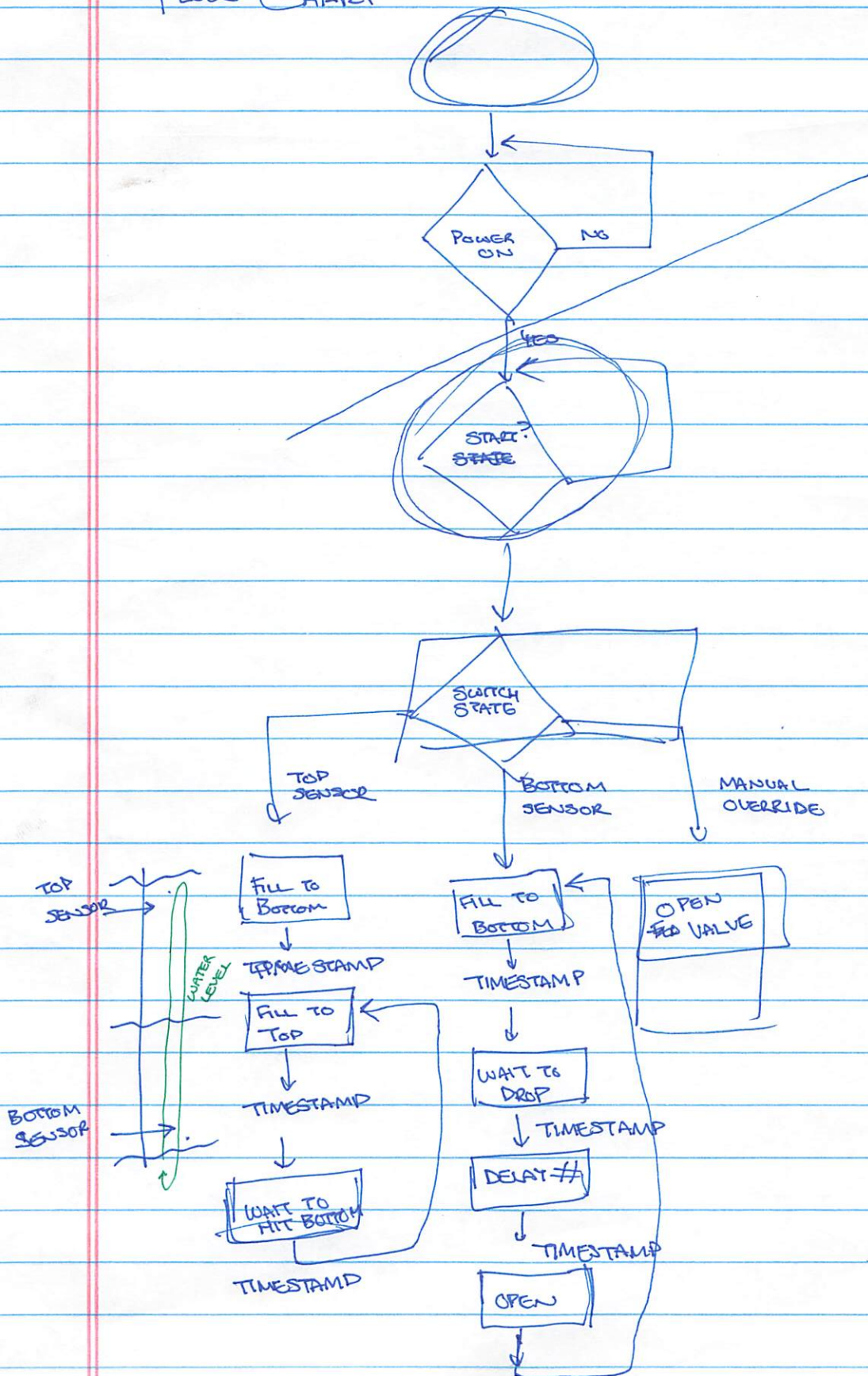
PELICAN CASE

4. POWER ON COMPUTER CONTROLLER

5. START TEST LATCH SWITCH



Flow Chart



STATE MACHINE

Power ON/OFF

KEY:

TOP SENSOR : TS

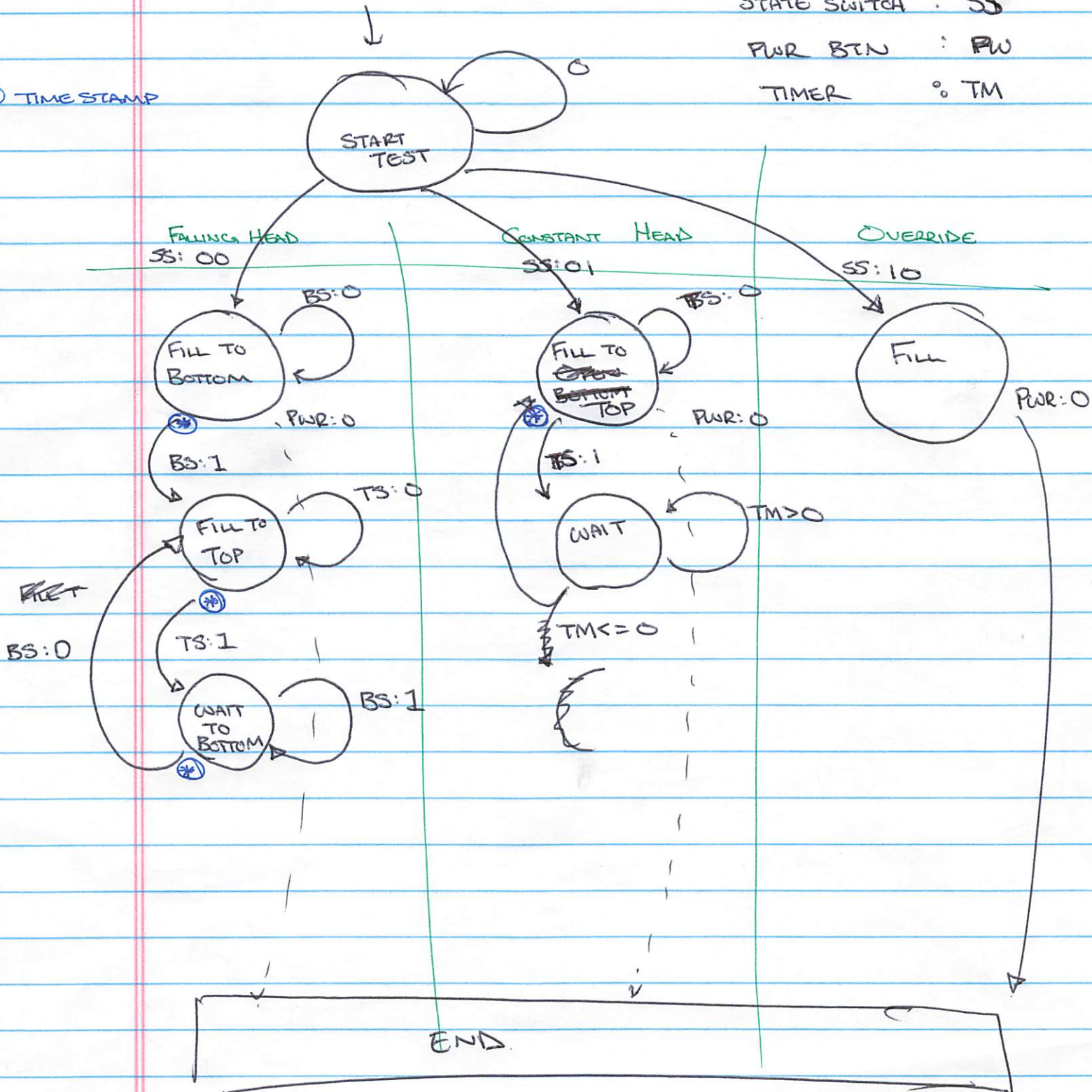
BTM SENSOR : BS

STATE SWITCH : SS

PWR BTN : PW

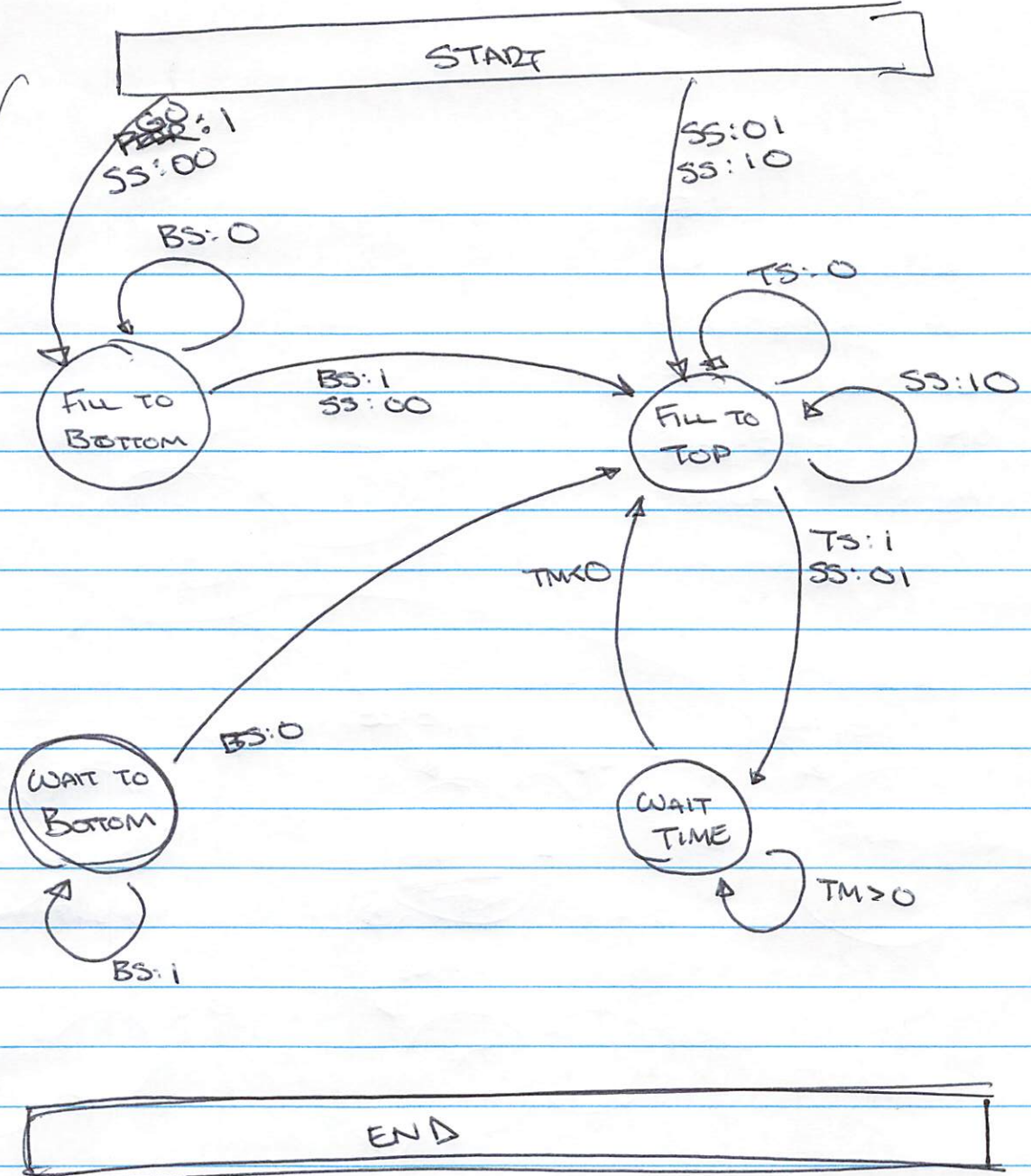
TIMER : TM

* TIME STAMP



SIMPLIFIED STATE MACHINE

* RECORD FLOW MEASUREMENTS



PLANNING THREADS

Flow Control State
Machine

Writing Flow
Data to

Writing to
Display

Flow Control Thread

1. CHECK "START" ~~SWITCH~~ ^{BUTTON} → "GO" IN STATEMACHINE
2. CHECK "MODE" SWITCH → "SS" IN STATE MACHINE DIAGRAM
3. SWITCH STATEMENT (STATE)
 - FILL - TO - BOTTOM CHECK: BS, SS, GO
 - FILL - TO - TOP
 - WAIT - TO - BOTTOM
 - WAIT - TIME
4. RELEASE