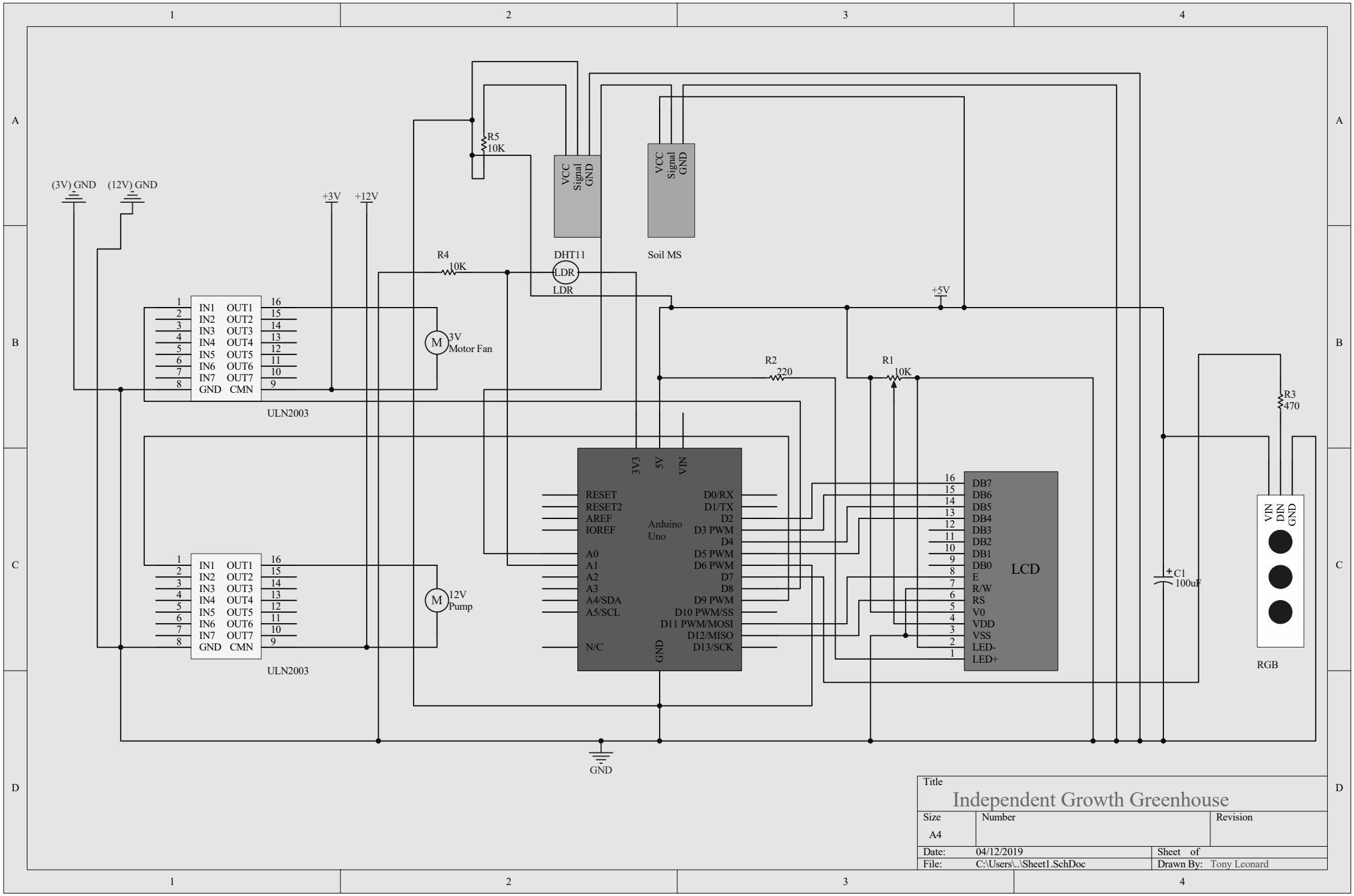
(3V) GND
(12V) GND
+3V
+12V
R5
10K
VCC
Signal
GND
DHT11
Soil MS
R4
10K
LDR
+5V
IN1 OUT1
IN2 OUT2
IN3 OUT3
IN4 OUT4
IN5 OUT5
IN6 OUT6
IN7 OUT7
GND CMN
ULN2003
3V
Motor Fan
12V
Pump
R2
220
R1
10K
R3
470
3V3
5V
VIN
RESET
RESET2
AREF
IOREF
A0
A1
A2
A3
A4/SDA
A5/SCL
N/C
GND
Arduino
Uno
D0/RX
D1/TX
D2
D3 PWM
D4
D5 PWM
D6 PWM
D7
D8
D9 PWM
D10 PWM/SS
D11 PWM/MOSI
D12/MISO
D13/SCK
DB7
DB6
DB5
DB4
DB3
DB2
DB1
DB0
E
R/W
RS
V0
VDD
VSS
LED-
LED+
LCD
C1
100uF
VIN
DIN
GND
RGB
GND
Title
Independent Growth Greenhouse
Size
A4
Number
Revision
Date: 04/12/2019
Sheet of
File: C:\Users\..\Sheet1.SchDoc
Drawn By: Tony Leonard