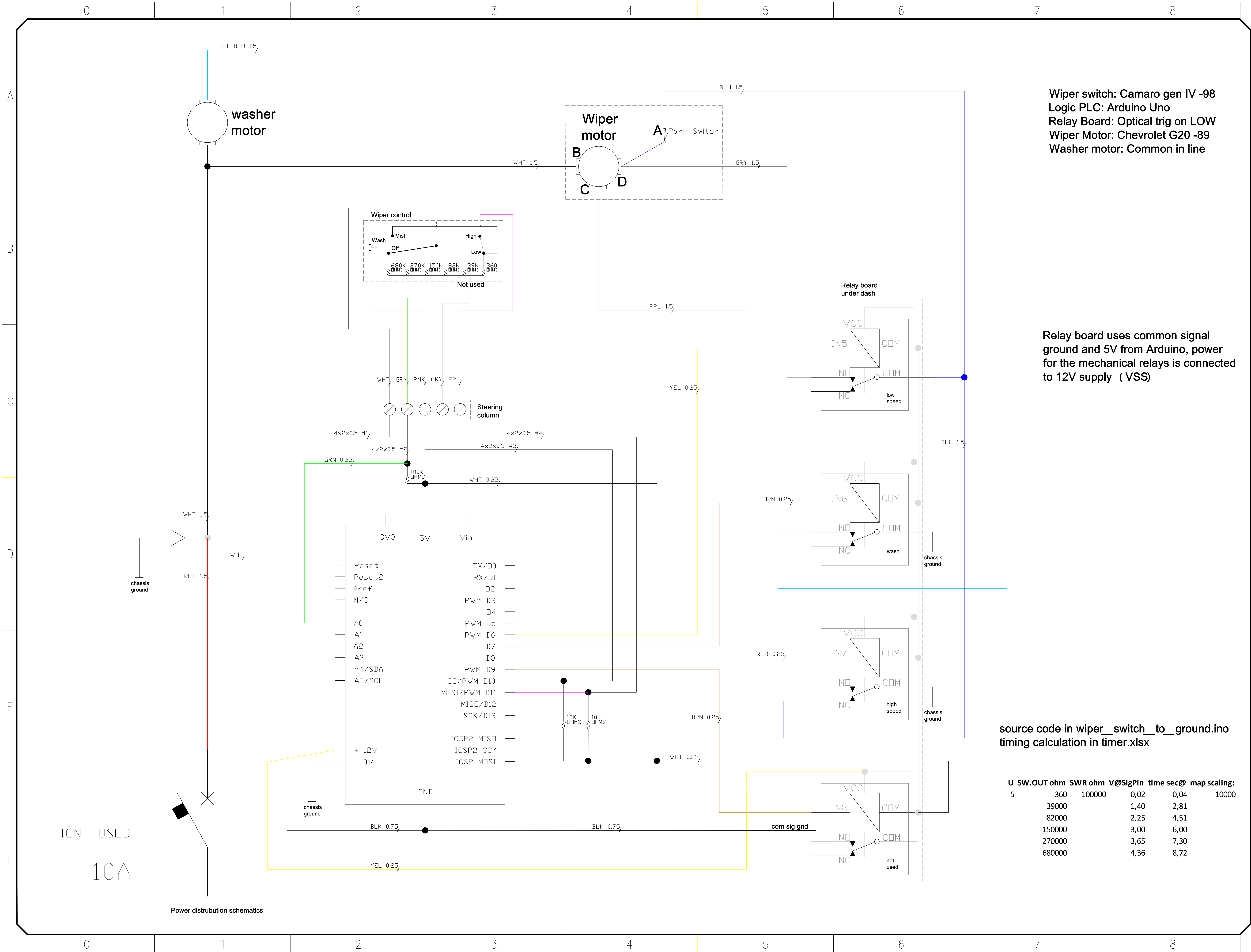




Wiper switch: Camaro gen IV -98
Logic PLC: Arduino Uno
Relay Board: Optical trig on LOW
Wiper Motor: Chevrolet G20 -89
Washer motor: Common in line

Relay board uses common signal ground and 5V from Arduino, power for the mechanical relays is connected to 12V supply (VSS)

source code in wiper_switch_to_ground.ino
timing calculation in timer.xlsx

U	SW.OUT ohm	SWR ohm	V@SigPin	time sec@	map scaling:
5	360	100000	0,02	0,04	10000
	39000		1,40	2,81	
	82000		2,25	4,51	
	150000		3,00	6,00	
	270000		3,65	7,30	
	680000		4,36	8,72	

Autodesk

NO.	DATE	REVISION	BY	
DWG TITLE				
Project Impala -65 SS				
Electrical Wiper control				
ENGINEER Peter Ek		CHECKED BY Peter Ek		
JOB NO		DRAWN BY Peter Ek		
SCALE		DATE 2015-02-18		
DWG NO				
SHEET NO				
OF				