Code Review

Vision tracking Mods

Motor Current Circuit

Encoder Testing

Electrical Schematic

Power Budget

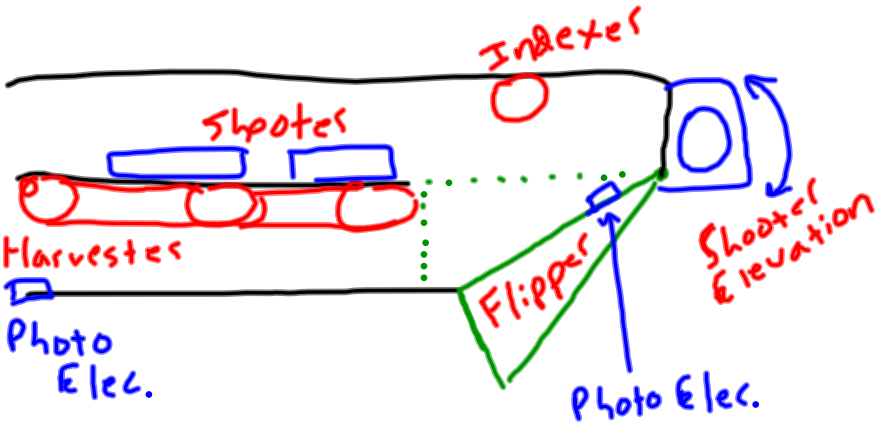
Component DataSheets

Configure Camera, Router, cRIO

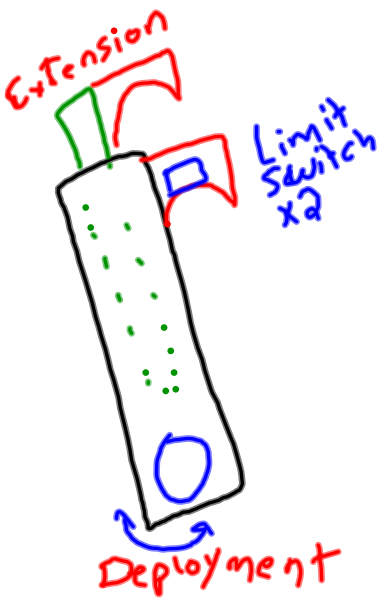
Merge Harvester/Shooter

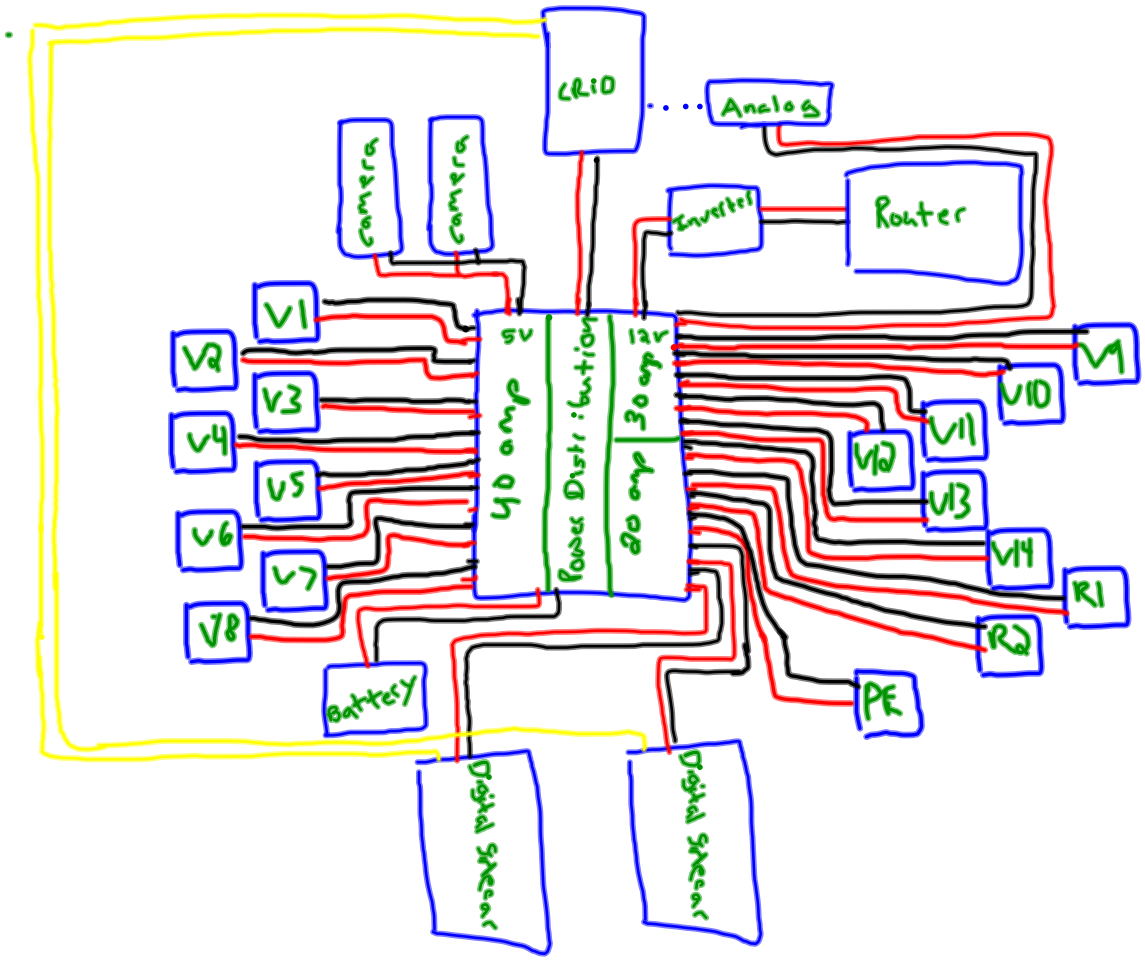
Define changes in robot design.

- Determine logic to be changed.



Drive Train
- Gyro
- Mouse wheel Encoder (2x)




cRIO
Analog
camera
camera
Inverter
Router
V1
V2
V3
V4
V5
V6
V7
V8
5v
40 amp
Power Distribution
12v
30 amp
20 amp
V9
V10
V11
V12
V13
V14
R1
R2
PE
Battery
Digital Spacar
Digital Spacar

40 amp

- V1 - Left Drive CIM 1
- V2 - Right Drive CIM 1
- V3 - Left Drive CIM 2
- V4 - Right Drive CIM 2
- V5 - Shooter wheel Front CIM
- V6 - Climber Deploy 1 AM-775
- V7 - Shooter wheel Back CIM
- V8 - Climber Deploy 2 AM-775

30 amp

- V9 - Left Drive 3 AM-912
- V10 - Right Drive 3 AM-912
- V11 - Harvester Roller Banebot
- V12 - Shooter Elevation window/AM Pg
- V13 - Shooter Indexer
- V14 - Flipper

20 amp

- Relay 1 - Camera Ring light
- Relay 2 - Disc harvester enter, climber activation
- Photo Electric - Harvester intake, Flipper
- Digital Sidecar 1
- Digital Sidecar 2
- Analog Module