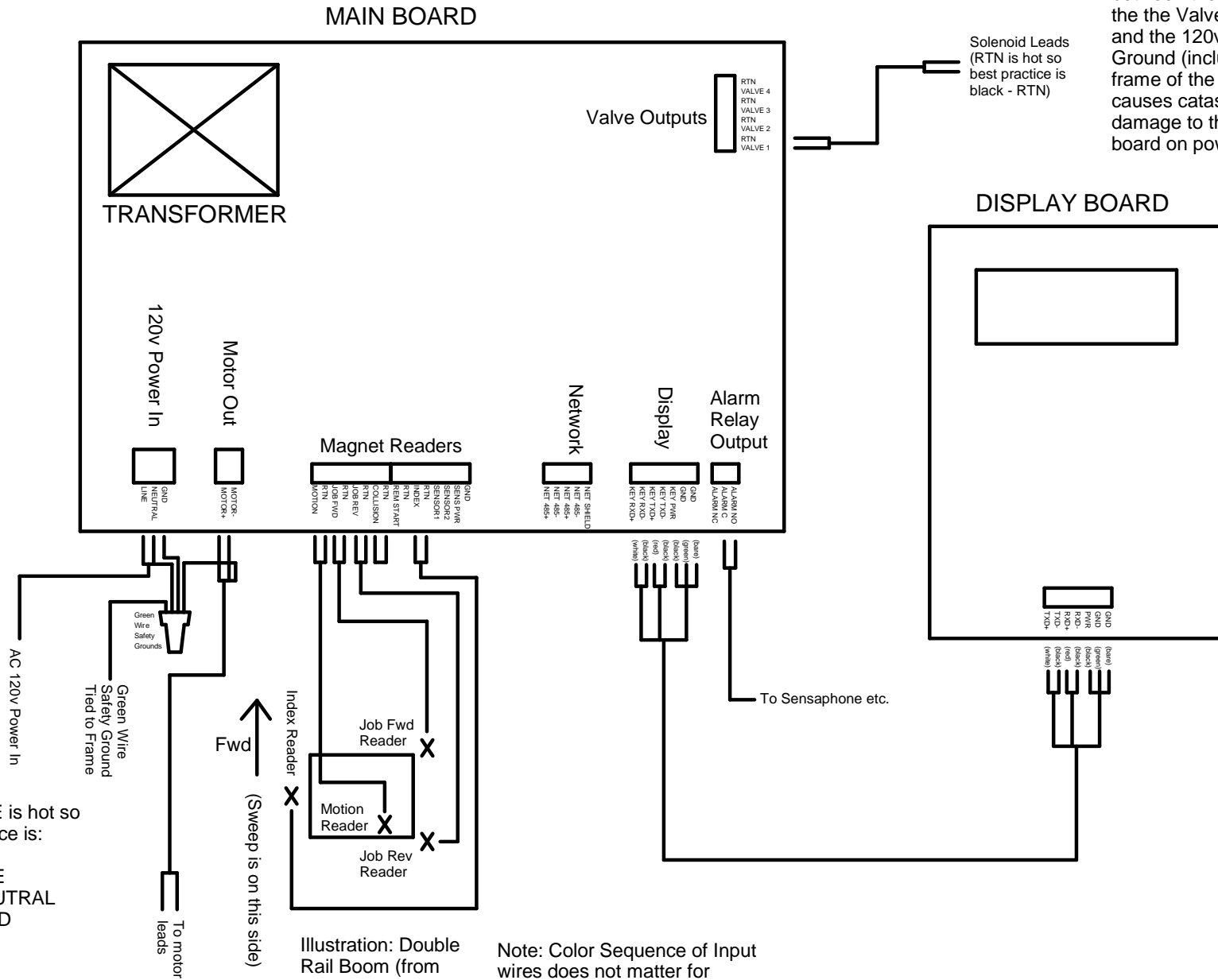


CS Wiring Diagram

Note: Do not allow any circuit to be completed between the RTN output of the the Valve connector and the 120v Safety Ground (including the frame of the boom) This causes catastrophic damage to the main circuit board on power-up!



Note: LINE is hot so best practice is:

Black-LINE
White-NEUTRAL
Green-GND

Note: Color Sequence of motor+ & motor- leads is context-driven.

Fwd
(Sweep is on this side)

Illustration: Double Rail Boom (from above)

Note: Color Sequence of Input wires does not matter for MOTION, JOB FWD, JOB REV, COLLISION, and INDEX inputs. RTN is not hot on any of these so 'white-RTN' is fine

Note: Index, Job Fwd, and Job reverse magnet readers are pointed at the rails from underneath. The Motion magnet reader typically is positioned to read a magnet on the idler axle from 1/4"-1/2" away.