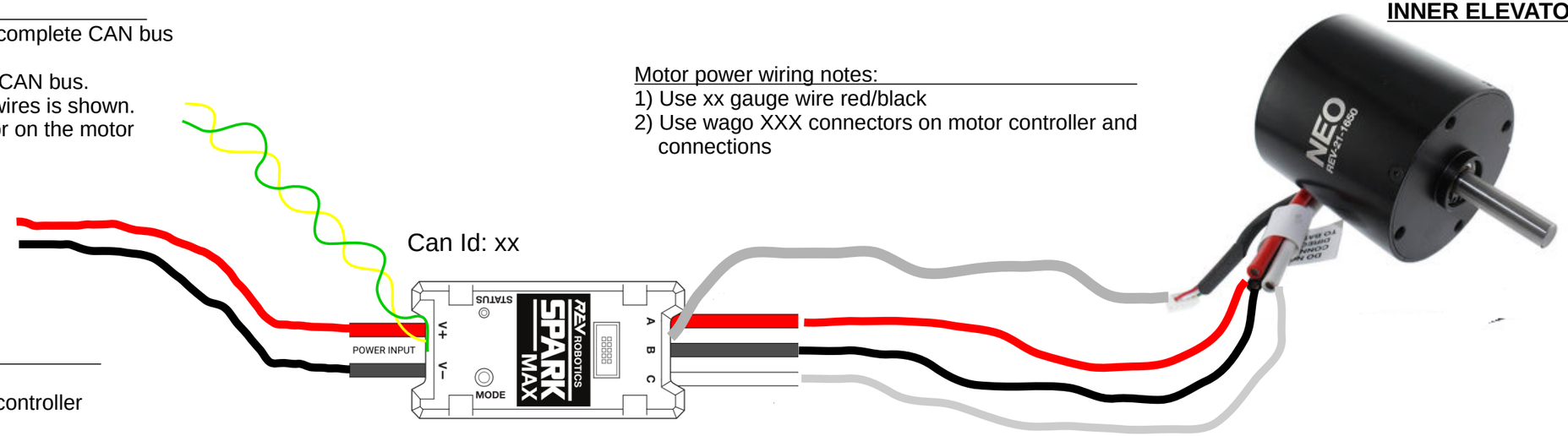
Can bus wiring notes:
1) See drawing FRC4150-2024-0020 for complete CAN bus Wiring.
2) Use wago XXX connectors to connect CAN bus.
3) Only one of the two pairs of CAN bus wires is shown.
4) Spark Max requires a special connector on the motor Controller side of the CAN bus.

Motor power wiring notes:
1) Use xx gauge wire red/black
2) Use wago XXX connectors on motor controller and connections

INNER ELEVATOR



Motor controller power wiring notes:
1) Use xx gauge wire red/black
2) Use wago XXX connectors on motor controller

Motor encoder wiring notes:
1) Distance to motor is limited by special connector needed on Wiring cable.

HIGH LIMIT SWITCH

LOW LIMIT SWITCH

												A	03/10/2025		
												JAS – Original.			

FROBOTICS TEAM 4150

Drawn by	FRobotics – Team 4150	
ABC	2025 Competition Robot Electrical Schematic Inner Elevator	
Reviewed by		
DEF		
Date	Drawing number	Rev
03/10/2025	FRC2025-0005	A