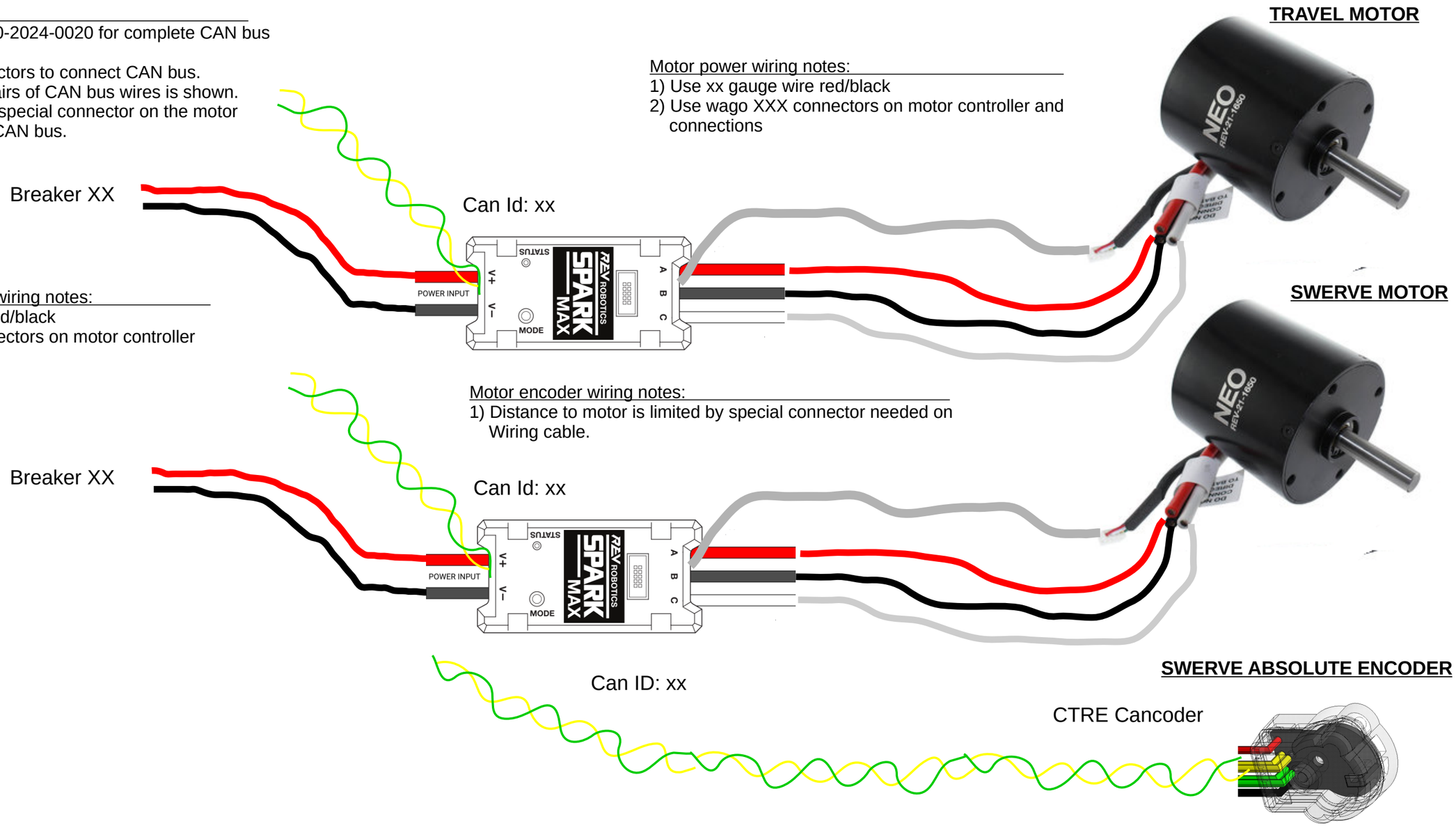
Can bus wiring notes:
1) See drawing FRC4150-2024-0020 for complete CAN bus Wiring.
2) Use wago XXX connectors to connect CAN bus.
3) Only one of the two pairs of CAN bus wires is shown.
4) Spark Max requires a special connector on the motor Controller side of the CAN bus.

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

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.



CanCoder Power:
1) XX Volt supply voltage
2) Use xx gauge wire red/black
3) Wired to xxxxxxxxx

												A	03/10/2025		
												JAS – Original.			

FROBOTICS TEAM 4150

Drawn by: ABC
Reviewed by: DEF
Date: 03/10/2025

FRobotics – Team 4150

2025 Competition Robot
Electrical Schematic
Drive System – Left Front

Drawing number: FRC2025-0001
Rev: A