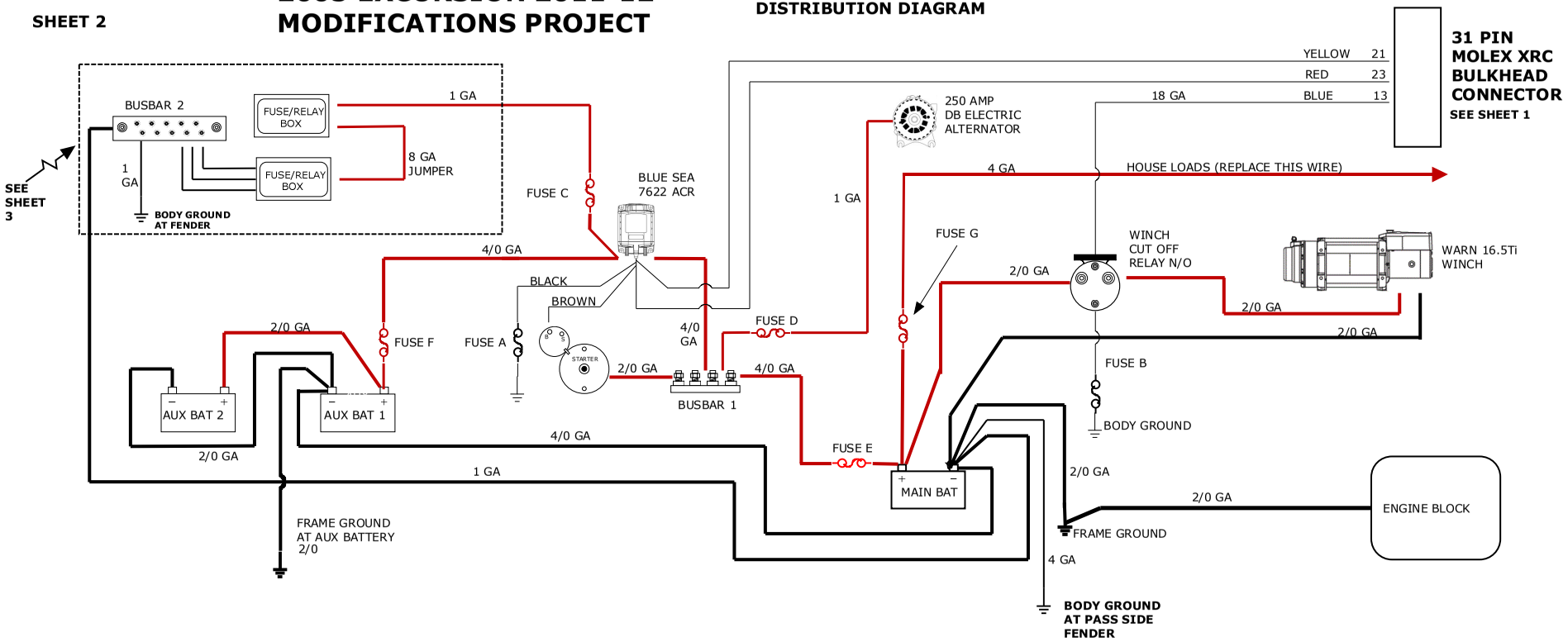
SHEET 2

2005 EXCURSION 2011-12 MODIFICATIONS PROJECT

MAIN POWER BUS DISTRIBUTION DIAGRAM



THIRD BATTERY IS OPTIONAL

4/0 WIRE CHOSEN TO ALLOW 3% VOLTAGE DROP AT 350 AMPS
AND TO HANDLE CURRENT LOADS OF COMPRESSORS AND WINCH AT SAME TIME.

* MILITARY BATTERY TERMINALS ON BOTH BATTERIES NAPA PART # 72822 FOR NEGATIVE 72823 FOR POSITIVE
* ALTERNATOR IS 250 AMP DB ELECTRICAL
* WINCH CUT OFF RELAY (WCR) IS A PAC-500
* BUSBAR 1 IS BLUE SEAS #2104 AND COVER 2708
* DIEHARD AUTOMOTIVE BATTERY , PLATINUM P-2 - GROUP SIZE 65
* FUSE A AND B 10 AMP INLINE. FOR FIRE PROTECTION FROM INTERNAL SHORTS IN RELAYS
* ALL 1 GAUGE AND LARGER WIRE IS TO BE SGX RATED INSULATION

FUSE E AND F ARE FOR SHORT PROTECTION. 500 AMPANL. PLACE IN BLUE SEA 5503 ANL FUSEHOLDER WITH COVER

FUSE C IS A 175 AMP MRBF FUSE ON ACR LUG FOR SHORT PROTECTION.

FUSE D IS A 250 AMP MRBF FUSE AT BUSBAR FOR SHORT CIRCUIT PROTECTION

FUSE G IS A 250 AMP MRBF FUSE AT BATTERY TERMINAL FOR SHORT CIRCUIT PROTECTION

BUSBAR 2 IS A BLUE SEA 2300 BUSS BAR FOR GROUNDING OF AUX CIRCUITS AT RELAY BOXES

ALL PRIMARY WIRE TO BE TXL INSULATION