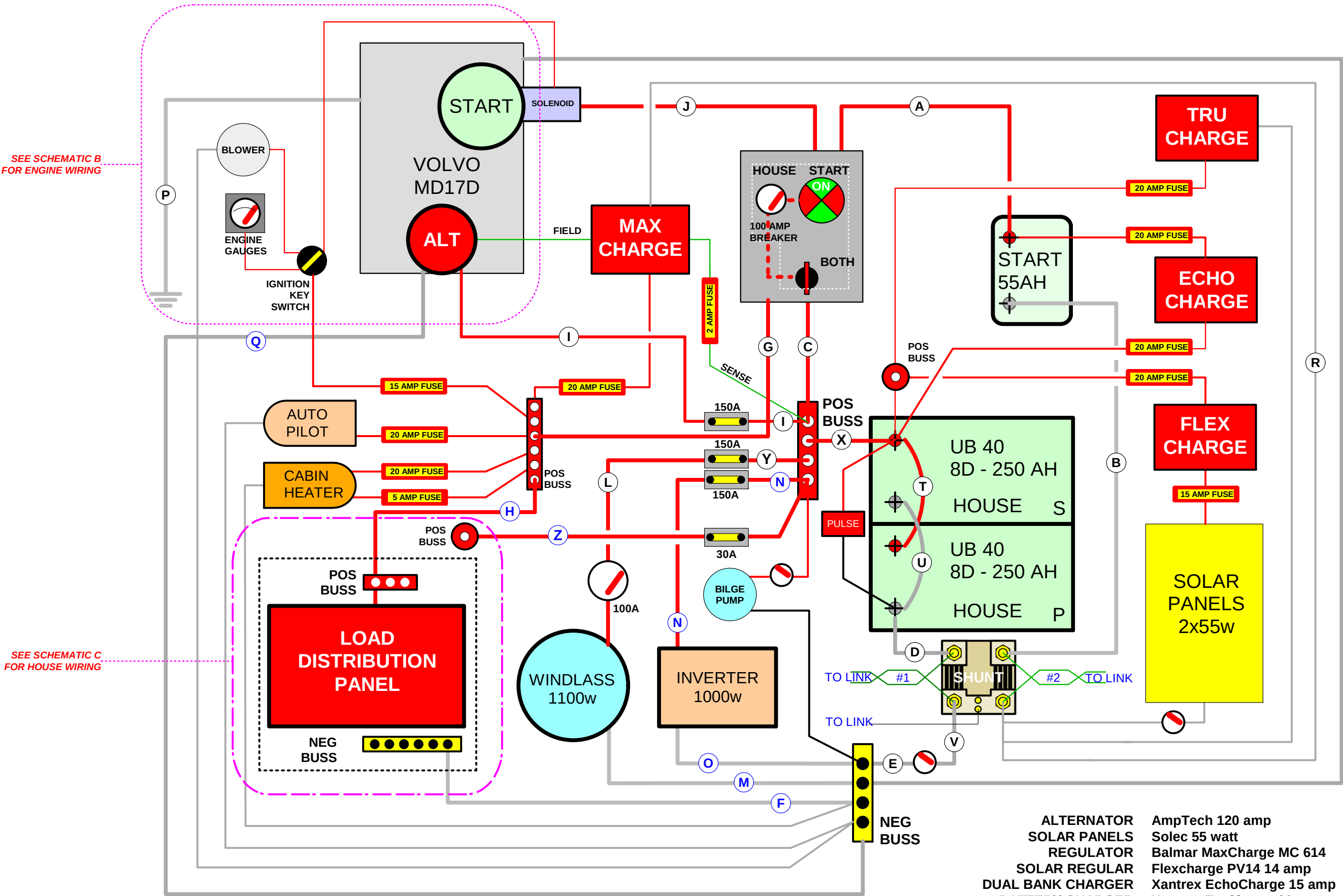
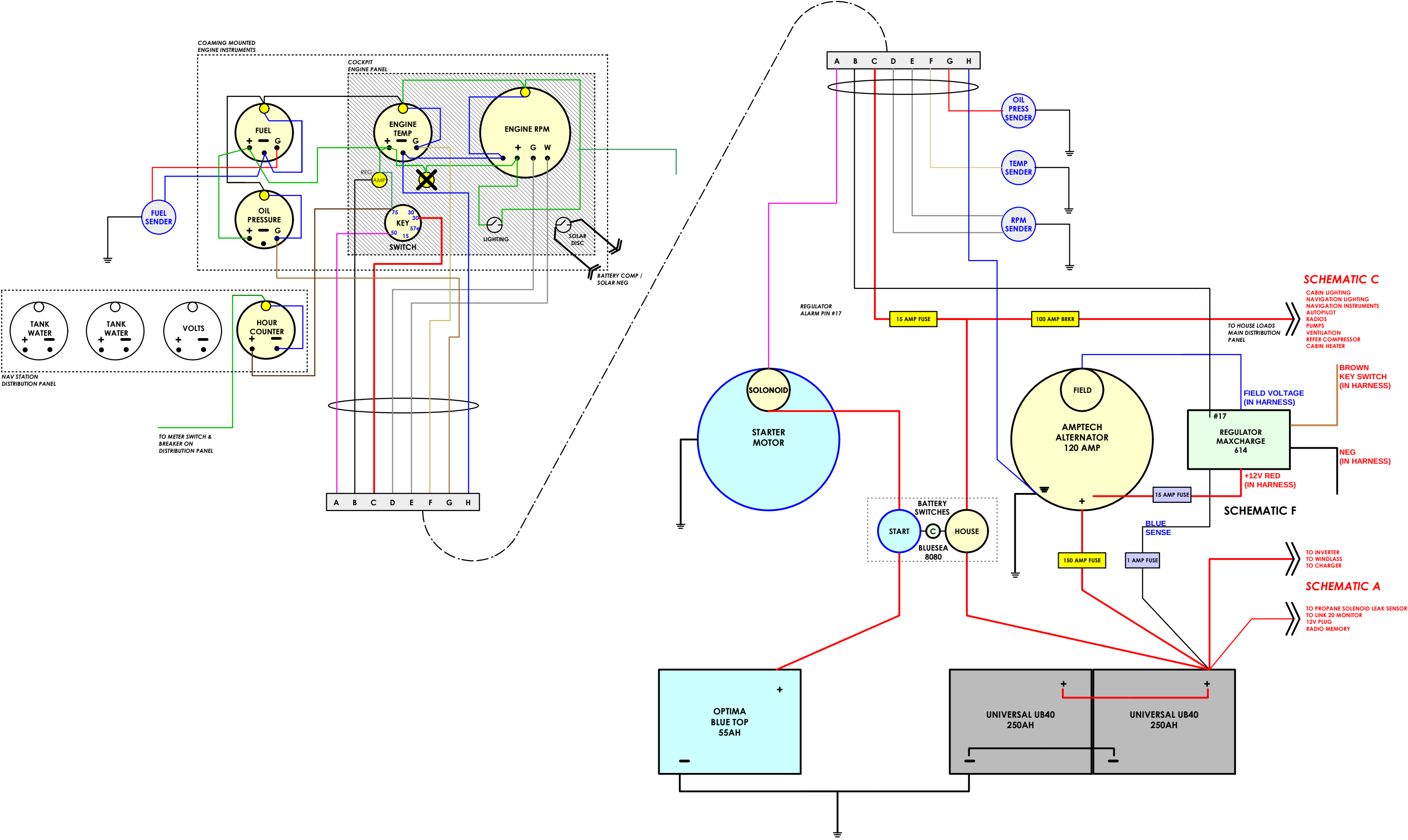


SCHEMATIC A
12V MAIN POWER

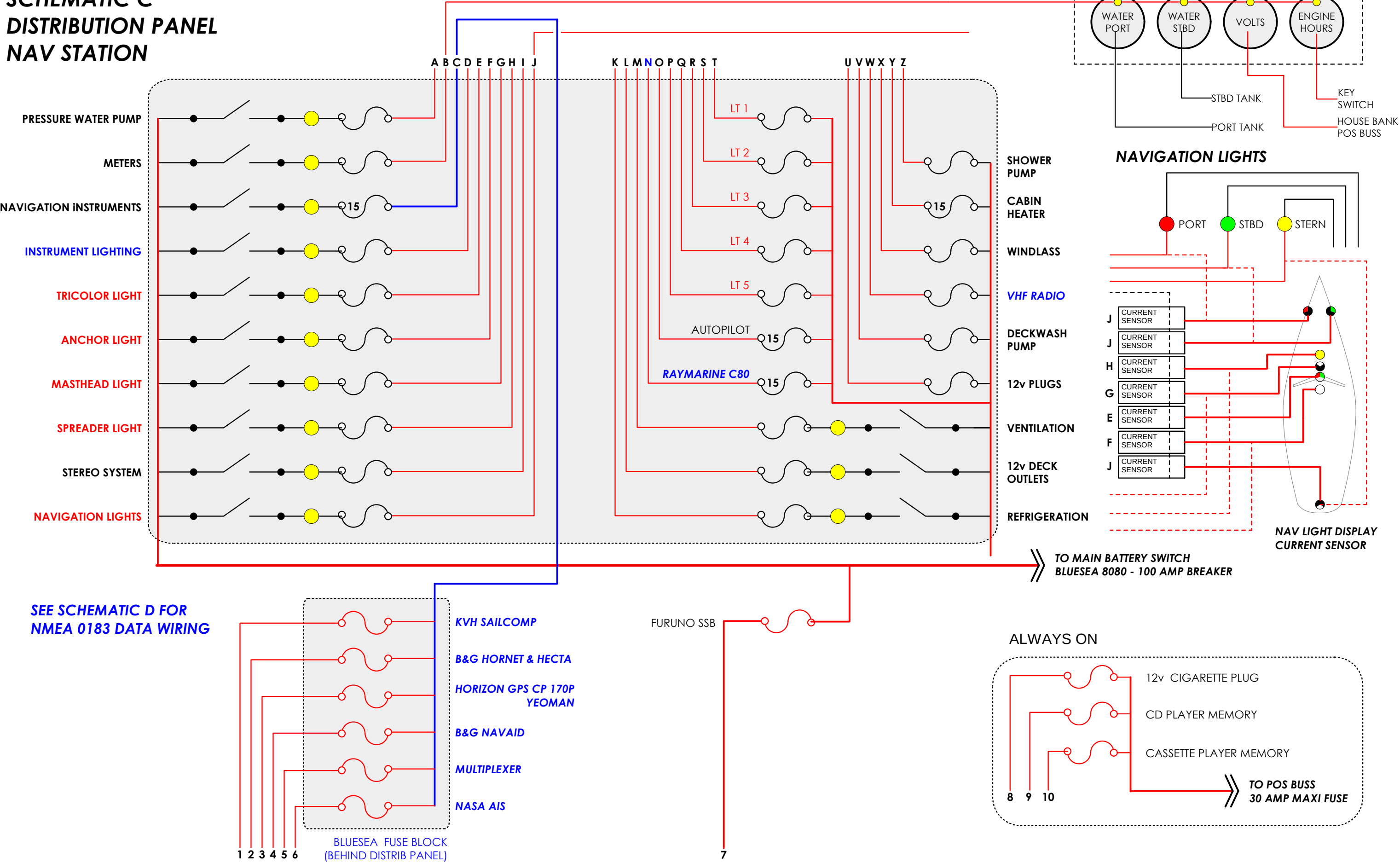


ALTERNATOR AmpTech 120 amp
SOLAR PANELS Solec 55 watt
REGULATOR Balmar MaxCharge MC 614
SOLAR REGULAR Flexcharge PV14 14 amp
DUAL BANK CHARGER Xantrex EchoCharge 15 amp
BATTERY CHARGER Xantrex TruCharge 20 amp
INVERTER Xantrex XPower 1000w

SCHEMATIC B
ENGINE WIRING

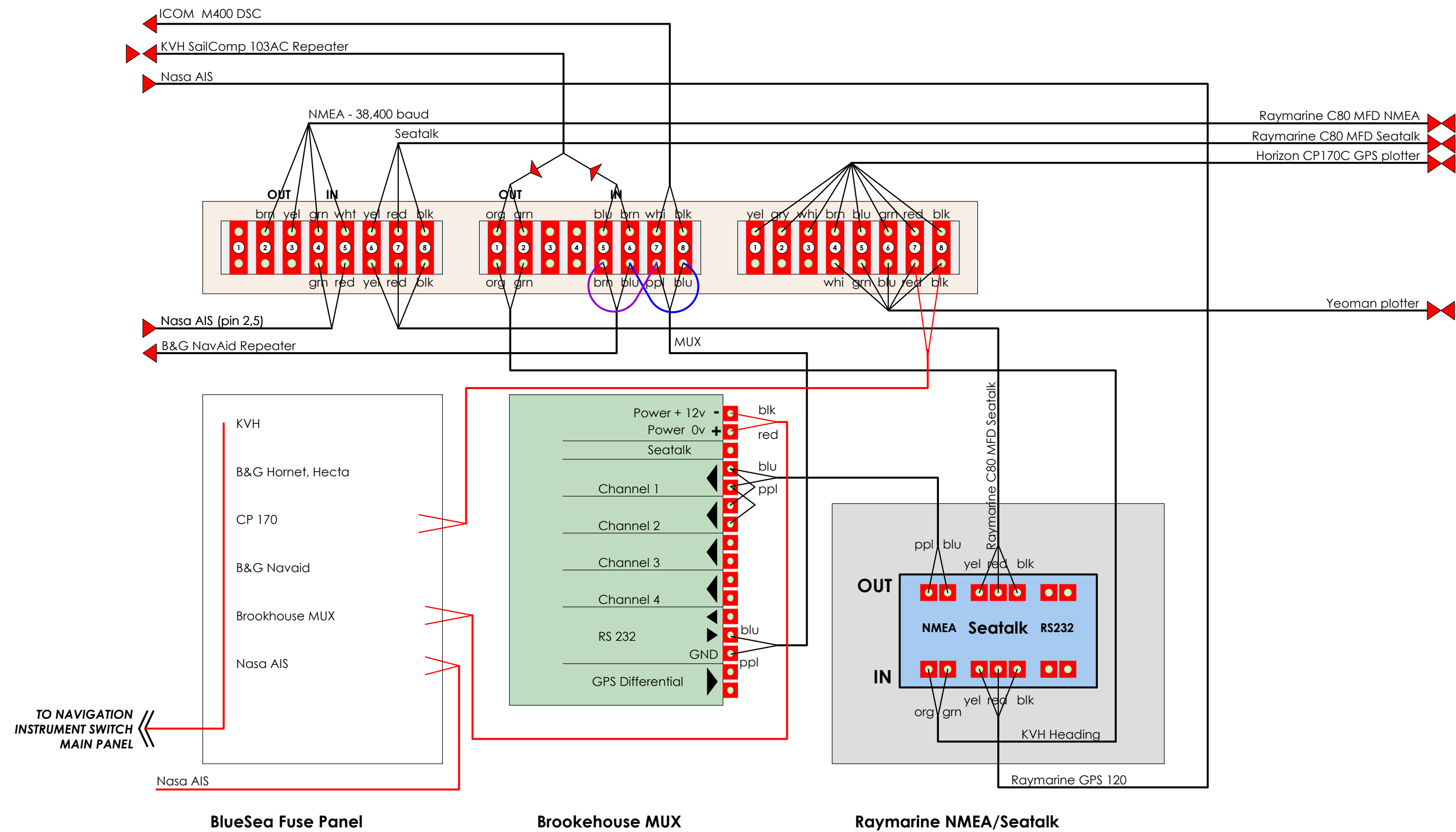


SCHEMATIC C
DISTRIBUTION PANEL
NAV STATION

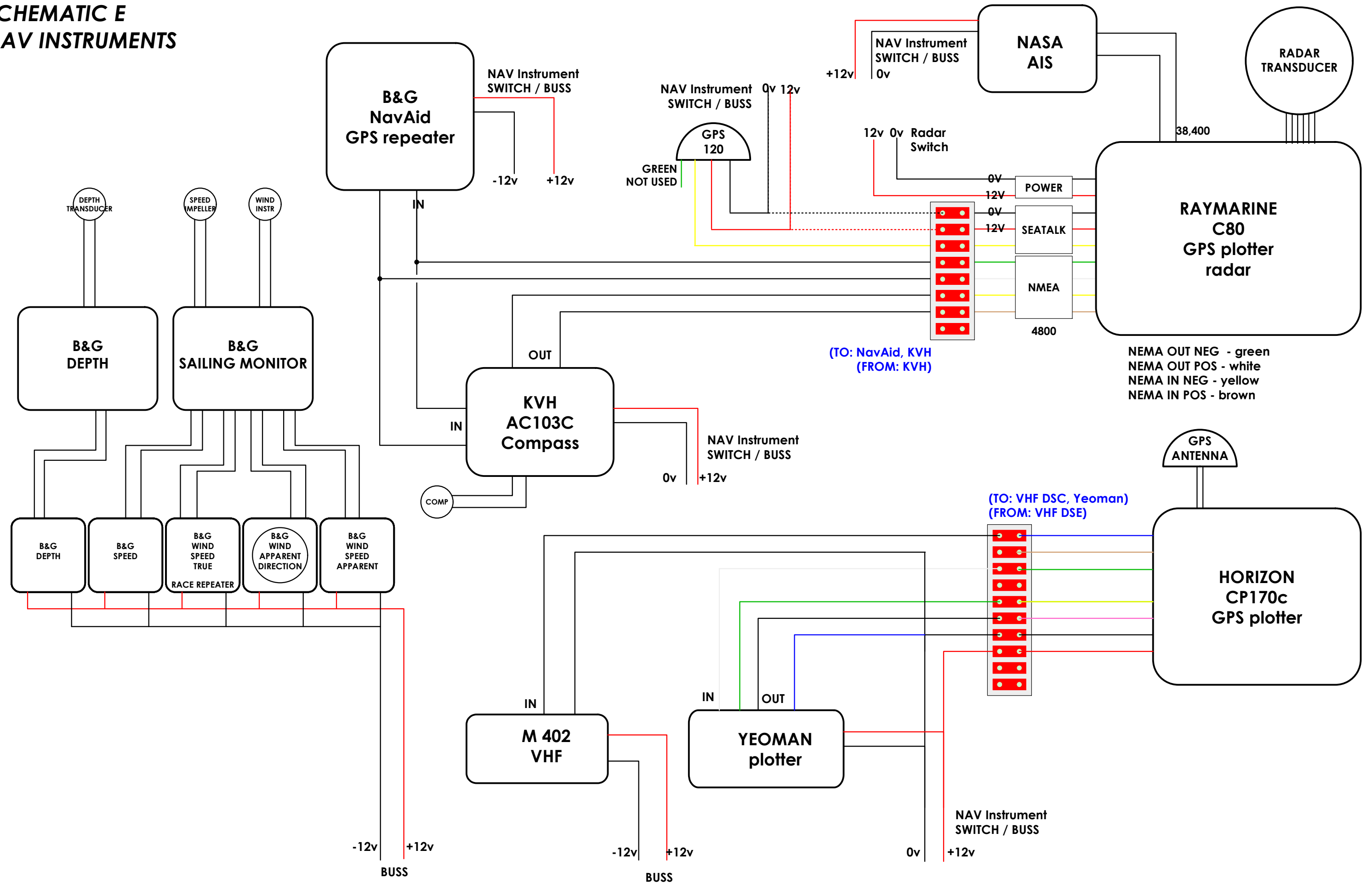


SCHEMATIC D

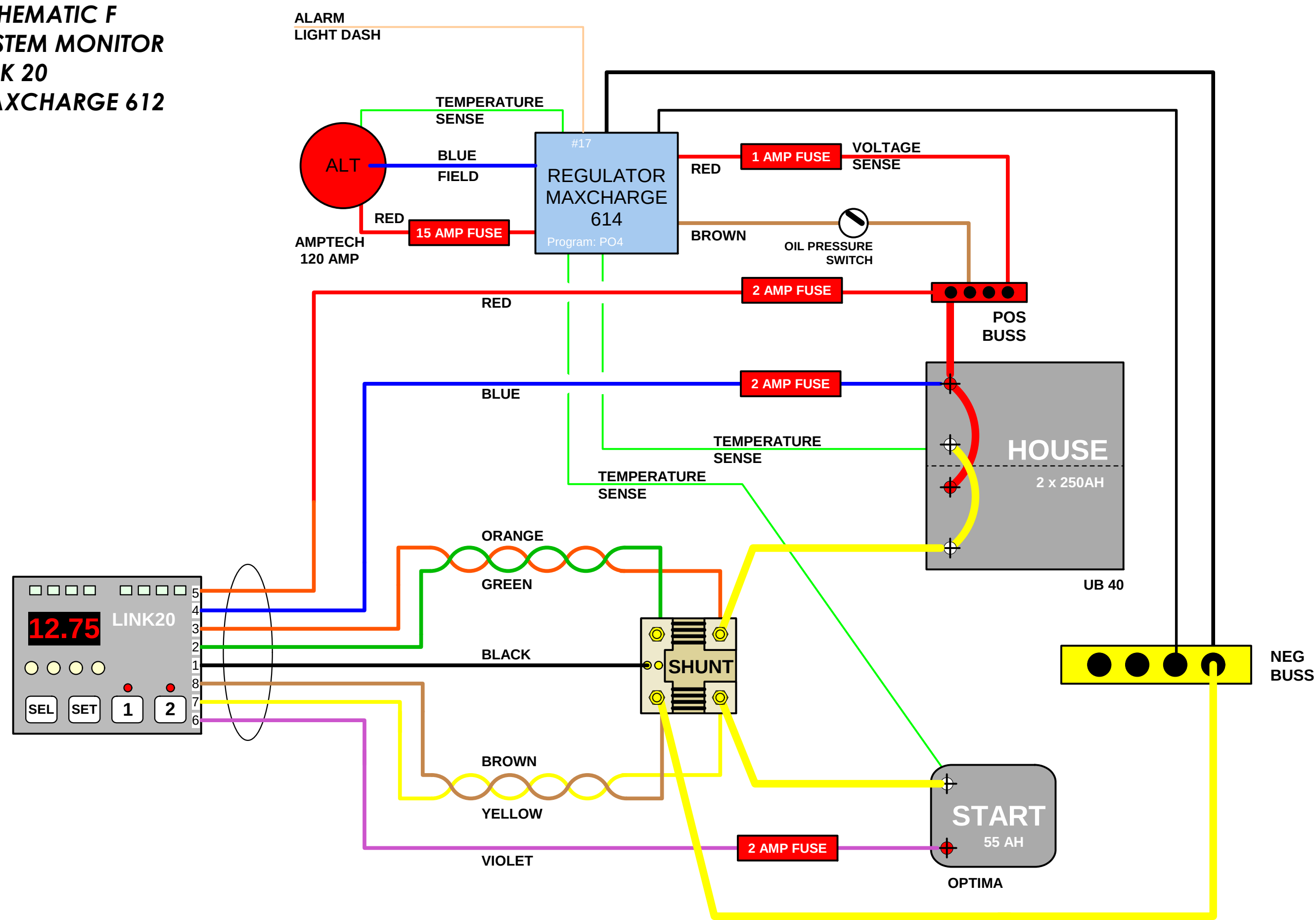
NMEA 0183 DATA WIRING



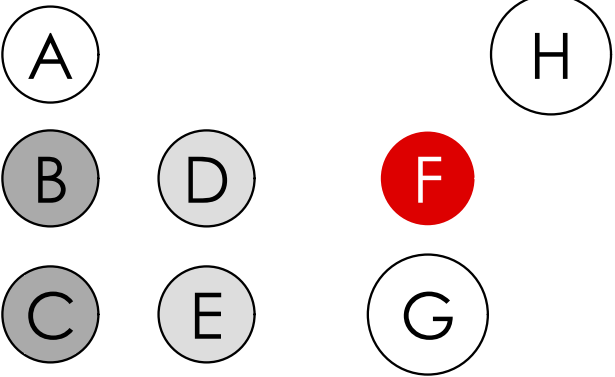
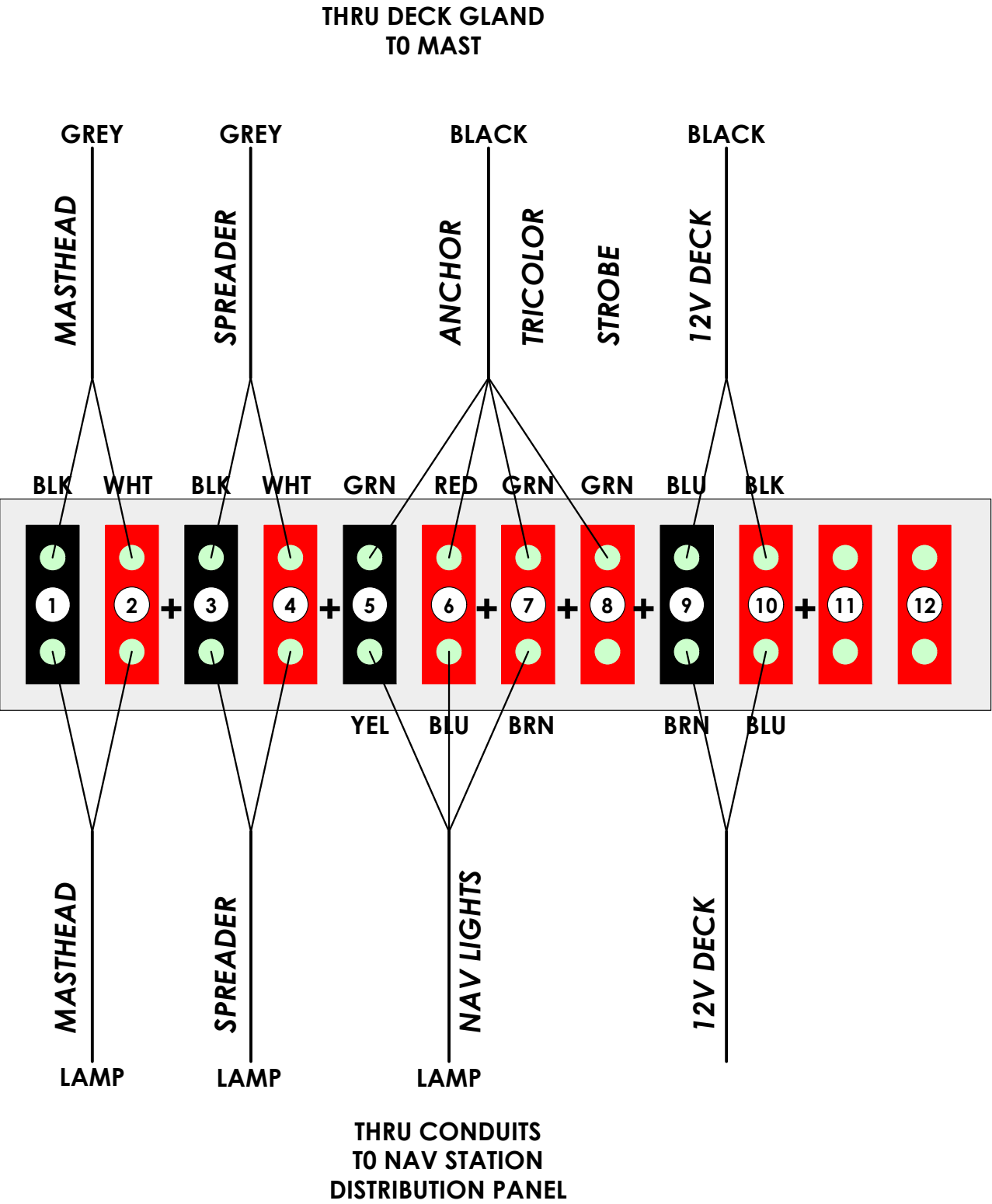
SCHEMATIC E
NAV INSTRUMENTS



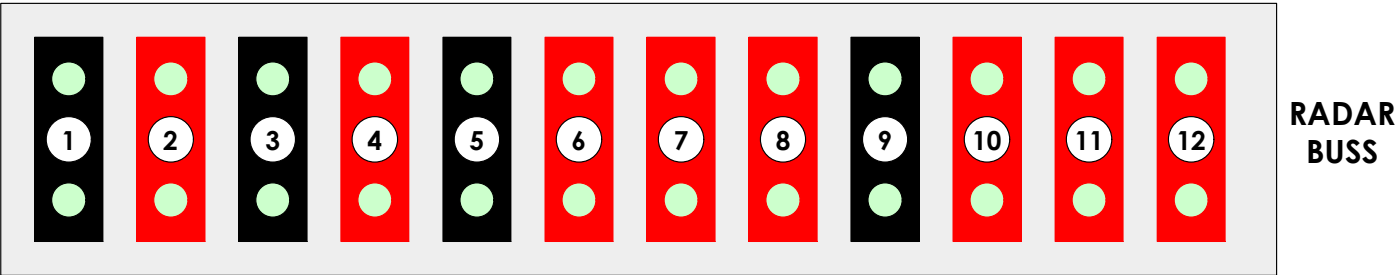
SCHEMATIC F
SYSTEM MONITOR
LINK 20
MAXCHARGE 612



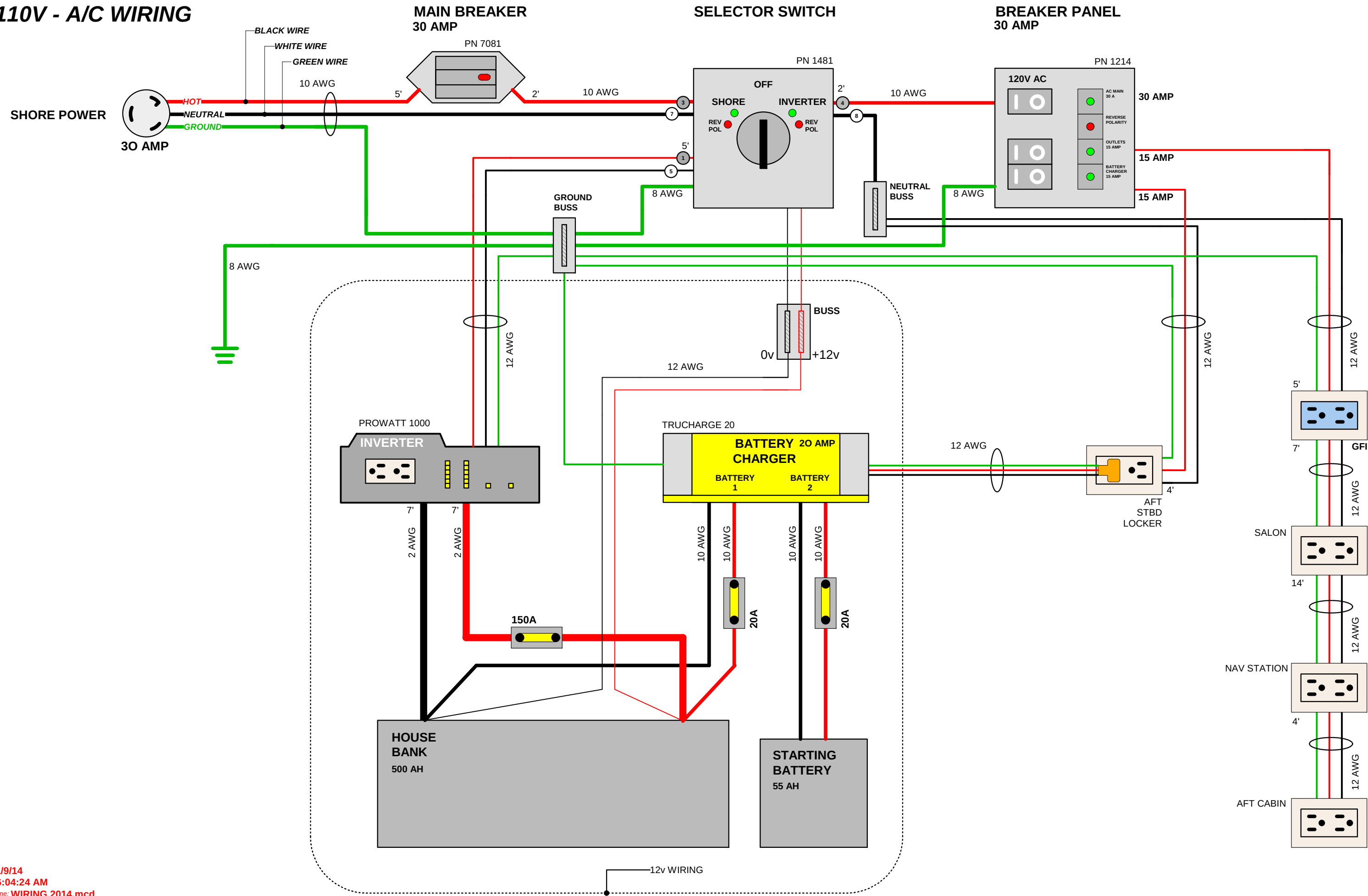
SCHEMATIC G
MAST WIRING



- A - VHF
B - TRICOLOR
C - ANCHOR LT
D - MASTHEAD LT
E - SPREADER LT
F - 12V DECK PLUG
G - RADAR
H - ???

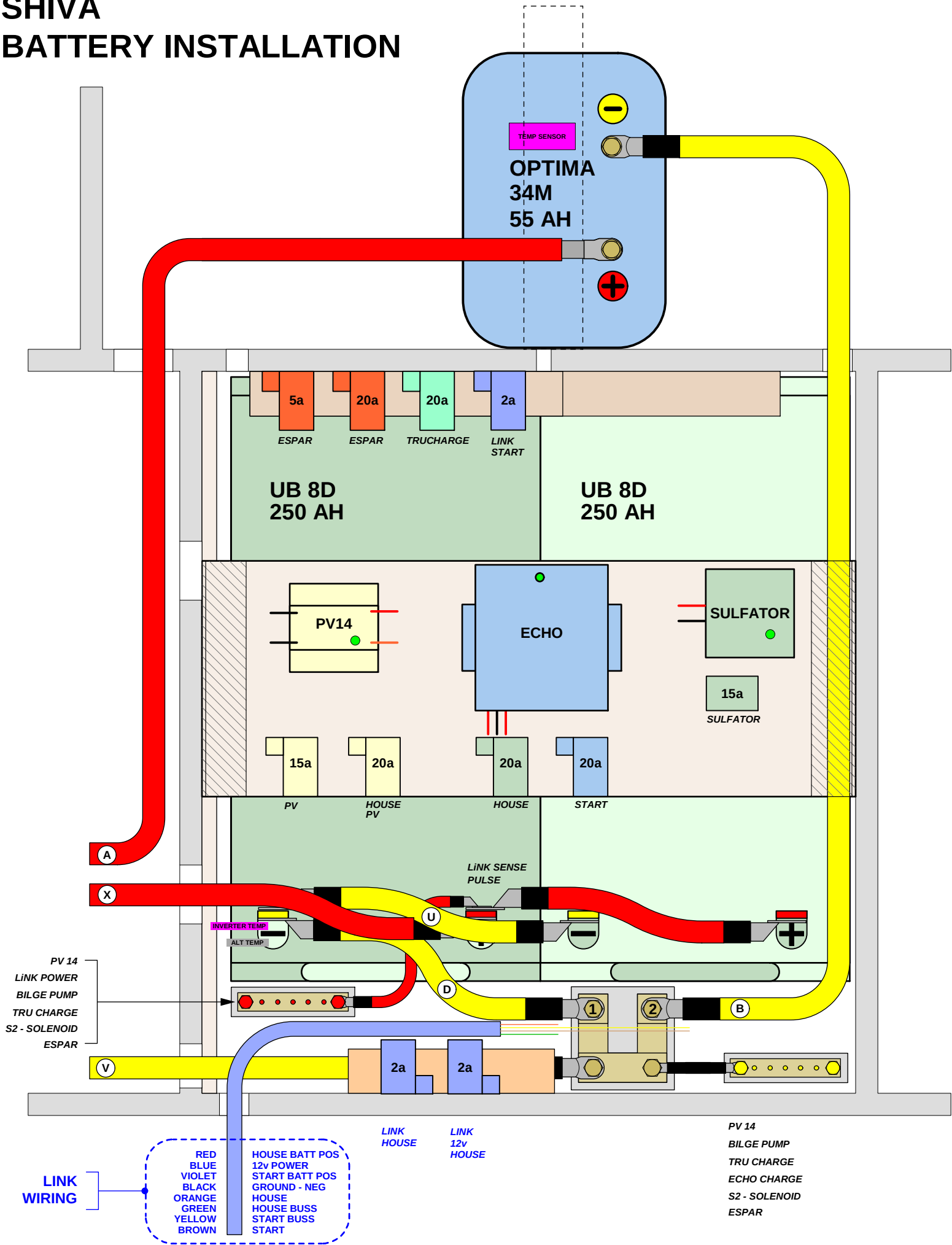


SCHEMATIC H
110V - A/C WIRING

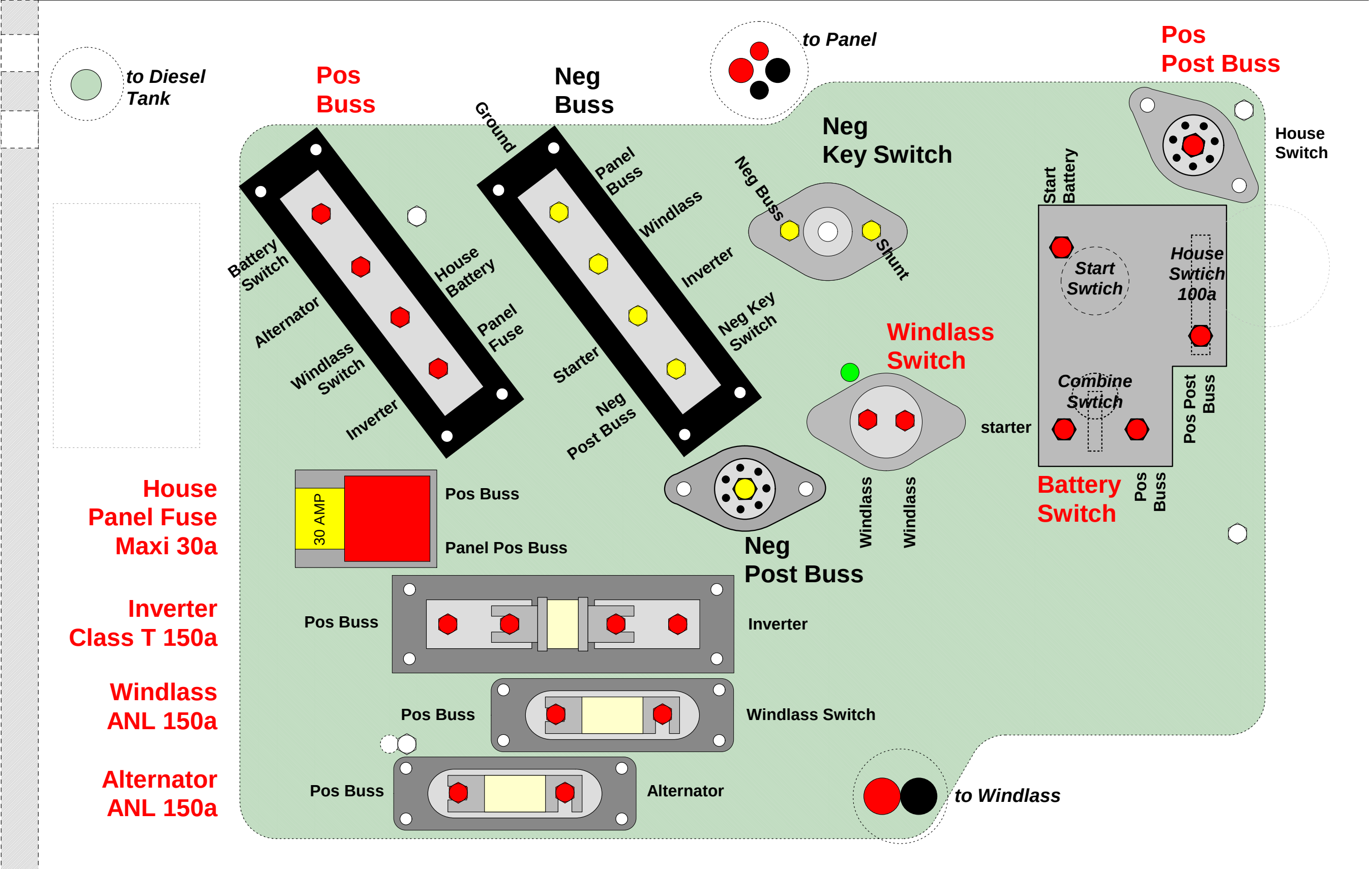


SHIVA

BATTERY INSTALLATION



12 Volt Main Wiring
Engine Room



ITEM	hours MAX	hours min	Adds Amps		AMP HOURS		
					MAX	Mean	min
				w/o Solar	211	114	16
2 Solec S50 Solar Cell	6	2	10.5		-63	-42	-21
105 Amp Alternator	3	1	25.0		-75	-50	-25
				w/ Solar	148	72	-5
				w/ Engine	136	64	-9
				w/ Engine + Solar	73	22	-30

ITEM	max hrs	min hrs	AMPS	Watts	Amps	max	mean	min
B&G Sailing Monitor	24	1	0.5			12.0	6.3	0.5
B&G NavAid	24	1	0.1			1.2	0.6	0.1
B&G Race Repeater	24	1	0.1			1.2	0.6	0.1
B&G Depth Sounder	24	1	0.2			4.8	2.5	0.2
C 80 MFD	8	1	0.8			6.4	3.6	0.8
2KW radome	4	0	2.8			11.2	5.6	0.0
CP170CP	24	1		9	0.8	18.0	9.4	0.8
Xantrex 1000	4	0		7	0.6	2.3	1.2	0.0
AIS	24	1		12	1.0	24.0	12.5	1.0
Seatalk /Navaid Buss	24	1						
Multiplexer	24	1						
Ique GPS	8	1						
Alpha 3000	24	0	0.5			12.0	6.0	0.0
SSB transmit	1	0	25.0			12.5	6.3	0.0
SSB receive	6	2	1.5			9.0	6.0	3.0
Icom VHF Transmit	1	0	5.0			5.0	2.5	0.0
Icom VHF receive	6	1	1.2			7.2	4.2	1.2
Cassette CD Stereos	12	2	1.0			12.0	7.0	2.0
Grunnert Refer	2	1	0.5			1.0	0.8	0.5
Espar Airtronic4 Heater	4	0	3.8			15.0	7.5	0.0
Pressure Water Pump	0.3	0.3	6.0			1.5	1.5	1.5
WashDown Pump	0.3	0.3	6.0			1.5	1.5	1.5
Shower Pump	0.3	0.3	6.0			1.5	1.5	1.5
bilge pump	0.3	0.3	6.0			1.5	1.5	1.5
Cabin Lights Galley 1	2			40	3.3	6.7	3.3	0.0
Cabin Lights Galley 2	2			20	1.7	3.3	1.7	0.0
Main Cabin	2			40	3.3	6.7	3.3	0.0
Port Settee 1	2			20	1.7	3.3	1.7	0.0
Port Settee 2	2			20	1.7	3.3	1.7	0.0
Starboard Settee 1	2			20	1.7	3.3	1.7	0.0
Starboard Settee 2	2			20	1.7	3.3	1.7	0.0
Nav station 1	1			20	1.7	0.8	0.4	0.0
Nav station 2	3			40	3.3	10.0	5.0	0.0
Head	1			20	1.7	0.8	0.4	0.0
Aft Cabin 1	0			20	1.7	0.2	0.1	0.0
Aft Cabin 2	0			20	1.7	0.2	0.1	0.0
Aft Cabin 3	1	1		20	1.7	0.8	0.8	0.8
Aft Work	1			20	1.7	0.8	0.4	0.0
V Berth 1	0			20	1.7	0.2	0.1	0.0
V Berth 2	1			20	1.7	0.8	0.4	0.0
Engine rm light	0			10	0.8	0.1	0.0	0.0
Stern Light	1			10	0.8	0.8	0.4	0.0
Bow light	1			10	0.8	0.8	0.4	0.0
Masthead Light	2			20	1.7	2.5	1.3	0.0
Anchor Light	8			10	0.8	6.7	3.3	0.0
Spreader Light	0		8.0			0.8	0.4	0.0
Tricolor Light	7			20	1.7	11.7	5.8	0.0
instrument lighting	1			100	8.3	8.3	4.2	0.0
Searchlight	0		10.0			1.0	0.5	0.0