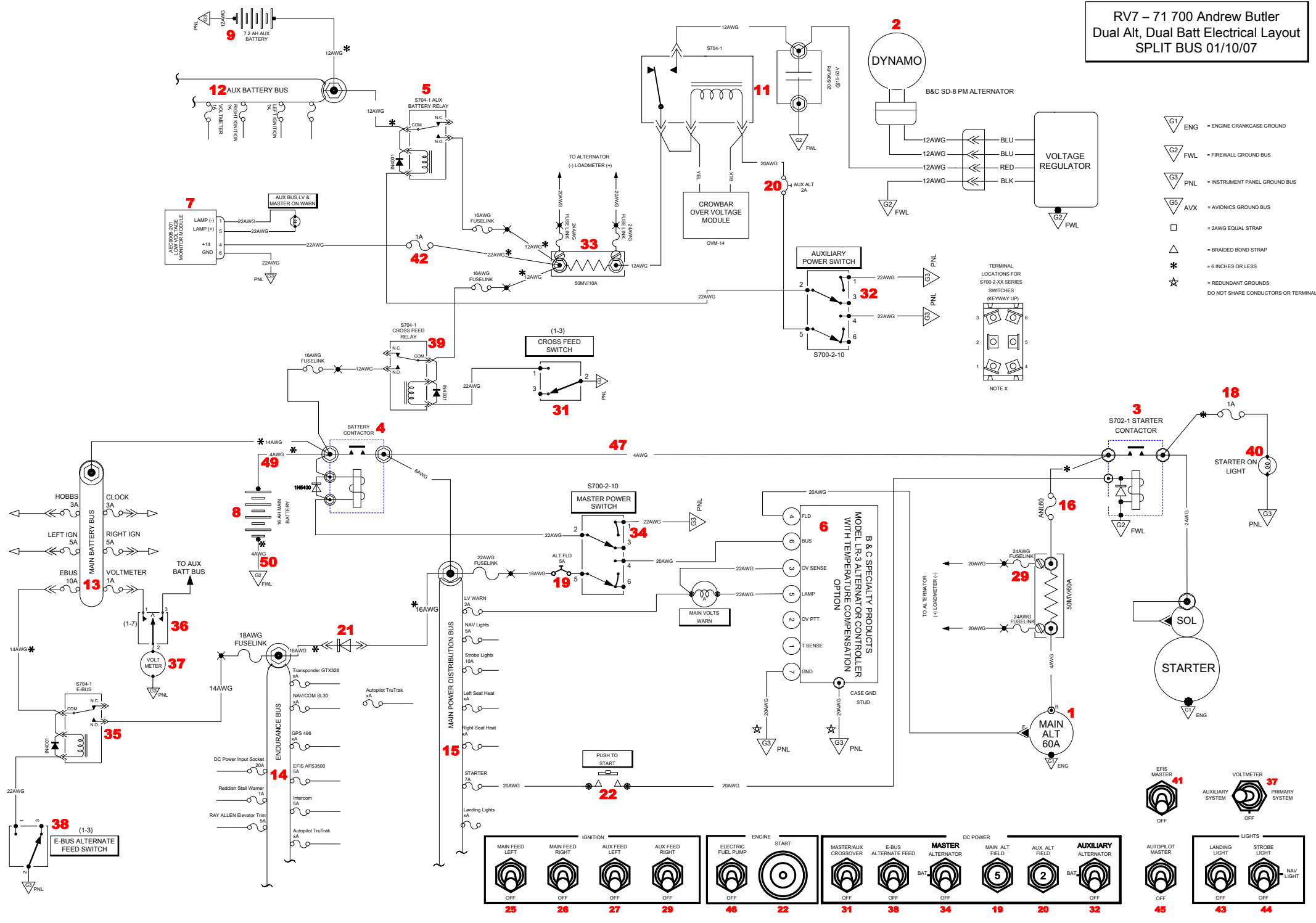
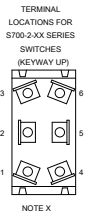


RV7 - 71 700 Andrew Butler
Dual Alt, Dual Batt Electrical Layout
SPLIT BUS 01/10/07

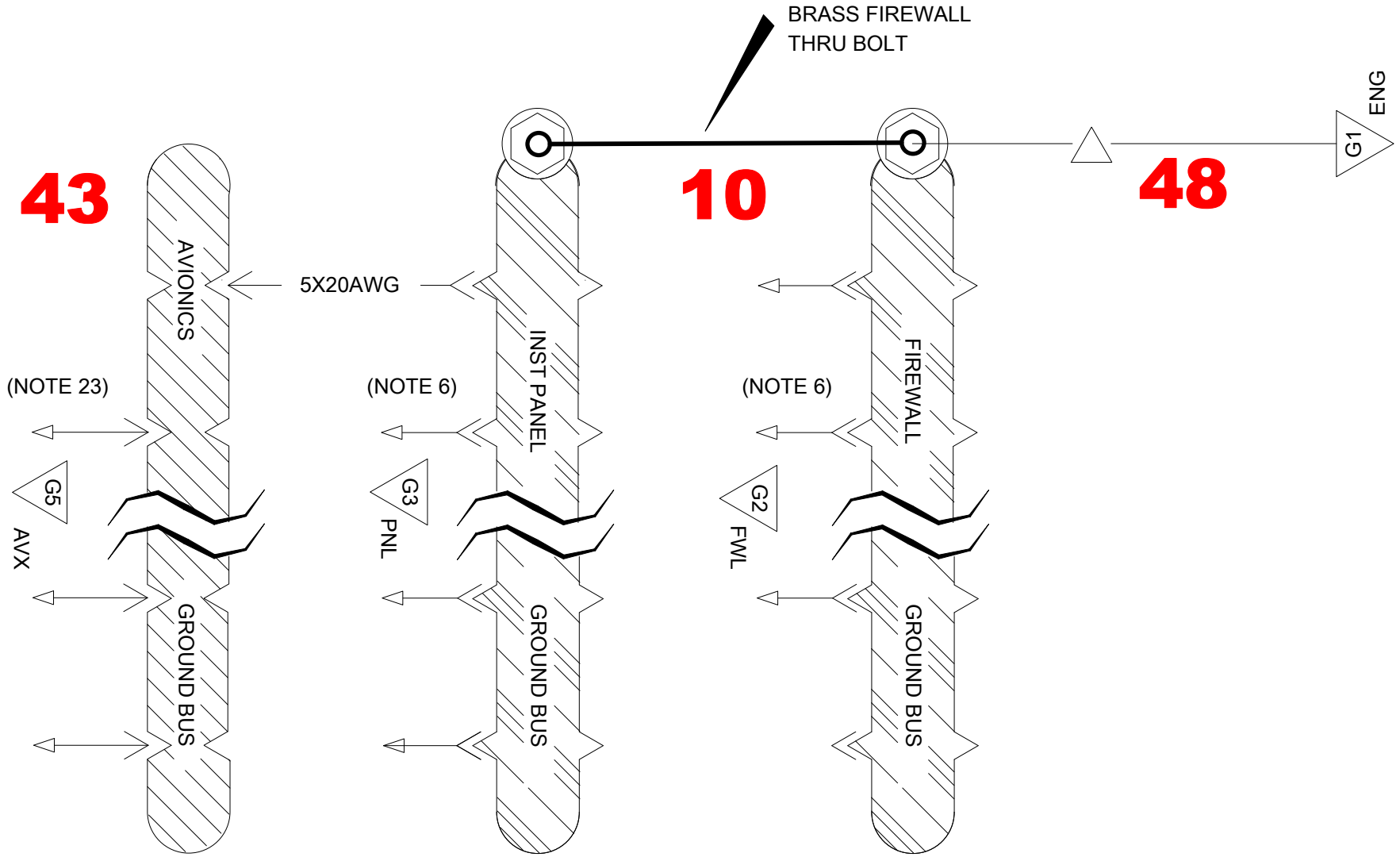


- = ENGINE CRANKCASE GROUND
- = FIREWALL GROUND BUS
- = INSTRUMENT PANEL GROUND BUS
- = AVX = AVIONICS GROUND BUS
- = 2AWG EQUAL STRAP
- = BRAIDED BOND STRAP
- = 8 INCHES OR LESS
- = REDUNDANT GROUNDS
- DO NOT SHARE CONDUCTORS OR TERMINALS



MAIN FEED LEFT	MAIN FEED RIGHT	AUX FEED LEFT	AUX FEED RIGHT	ELECTRIC FUEL PUMP	START	MASTER/AUX CROSSOVER	E-BUS ALTERNATE FEED	MASTER ALTERNATOR	MANI ALT FIELD	AUX ALT FIELD	AUXILIARY ALTERNATOR	AUTOPILOT MASTER	LANDING LIGHT	STROBE LIGHT	NAV LIGHT

RV7 – 71 700 Andrew Butler
Ground Bus Layout
01/10/07



Number	Description	Item	Vendor	Ordered	Number	Description	Item	Vendor	Ordered
1	Main Alternator	L-40	B&C	N	26	AUX Feed Ignition Right	S700-1-3	B&C	N
2	Aux Alternator	SD-8	B&C	N	27	MAIN Feed Ignition Left	S700-1-3	B&C	N
3	Starter Contactor	S702-1	B&C	N	28	MAIN Feed Ignition Right	S700-1-3	B&C	N
4	Main Battery Contactor	S701-1	B&C	N	29	MAIN ALT 50mv 10A Shunt	S870-40	B&C	N
5	Aux Battery Relay	S704-1	B&C	N	30				
6	Main Regulator	LR3C-14	B&C	N	31	Cross Feed Switch	S700-1-3	B&C	N
7	OV/LV Sensor	AEC9005-201/BC207-1	B&C	N	32	AUX Power and ALT Switch	S700-2-10	B&C	N
8	Main Battery	Odyssey PC-680	Vans	N	33	AUX ALT 50mv 10A Shunt	S870-10	B&C	N
9	Aux Battery	Panasonic LC-R127R2P	Duffy's	N	34	Master Power and ALT Switch	S700-2-10	B&C	N
10	Ground Block Kit	GB24/24	B&C	N	35	E-BUS Relay	S704-1	B&C	N
11	PM/OV Filter and Protection*	504-1 PM/OV	B&C	N	36	Voltmeter Switch	S700-1-7 ?	B&C	N
12	AUX BATT BUS	FH-6	B&C	N	37	Voltmeter			N
13	MAIN BATT BUS	FH-8	B&C	N	38	E-Bus Switch	S700-1-3	B&C	N
14	ENDURANCE BUS	FH-10	B&C	N	39	CROSS FEED Relay	S704-1	B&C	N
15	MAIN BUS	FH-10	B&C	N	40	IC Bulb – Starter On Warn	S-888-1-(4)		N
16	Main ALT Limiter and Base	C905-40 & C903-1	B&C	N	41	EFIS Master Switch	S700-1-3	B&C	N
17					42	Fuse Holder	IFH-2	B&C	N
18	Fuse Holder	IFH-2	B&C	N	43	Landing Light Switch	S700-1-3	B&C	N
19	MAIN ALT CB	CB5	B&C	N	44	NAV/STOBE Light Switch	S700-2-10	B&C	N
20	AUX ALT CB	CB2	B&C	N	45	Autopilot Master Switch	S700-1-3	B&C	N
21	E-Bus Diode			N	46	Fuel Pump Switch	S700-1-3	B&C	N
22	Starter Push Button	S895-1	B&C	N	47	Battery – Starter Lead	SBL x-x-x	B&C	N
23	Ignition Rectifier			N	48	Ground Bonding Strap	BBS x-x-x	B&C	N
24	Ignition Rectifier			N	49	Bus Battery Lead	SBL x-x-x	B&C	N
25	AUX Feed Ignition Left	S700-1-3	B&C	N	50	Ground Battery Lead	SBL x-x-x	B&C	N
* Included with SD-8									
Other BOM	Vacuum Pad	VAC-2-4	B&C	N					
	Transponder Antenna	ANT-1	B&C	N					
	Fusible Link Kit 24-20	FLK-1	B&C	N					
	Fusible Link Kit 20-16	FLK-2	B&C	N					
	4PSI Pressure Switch ?	S8012	B&C	N					
	BNC Crimper	RCT-2	B&C	N					
	D-SUB Crimper	RCT-3	B&C	N					
	D-SUB PIN Tool	DSE-1	B&C	N					