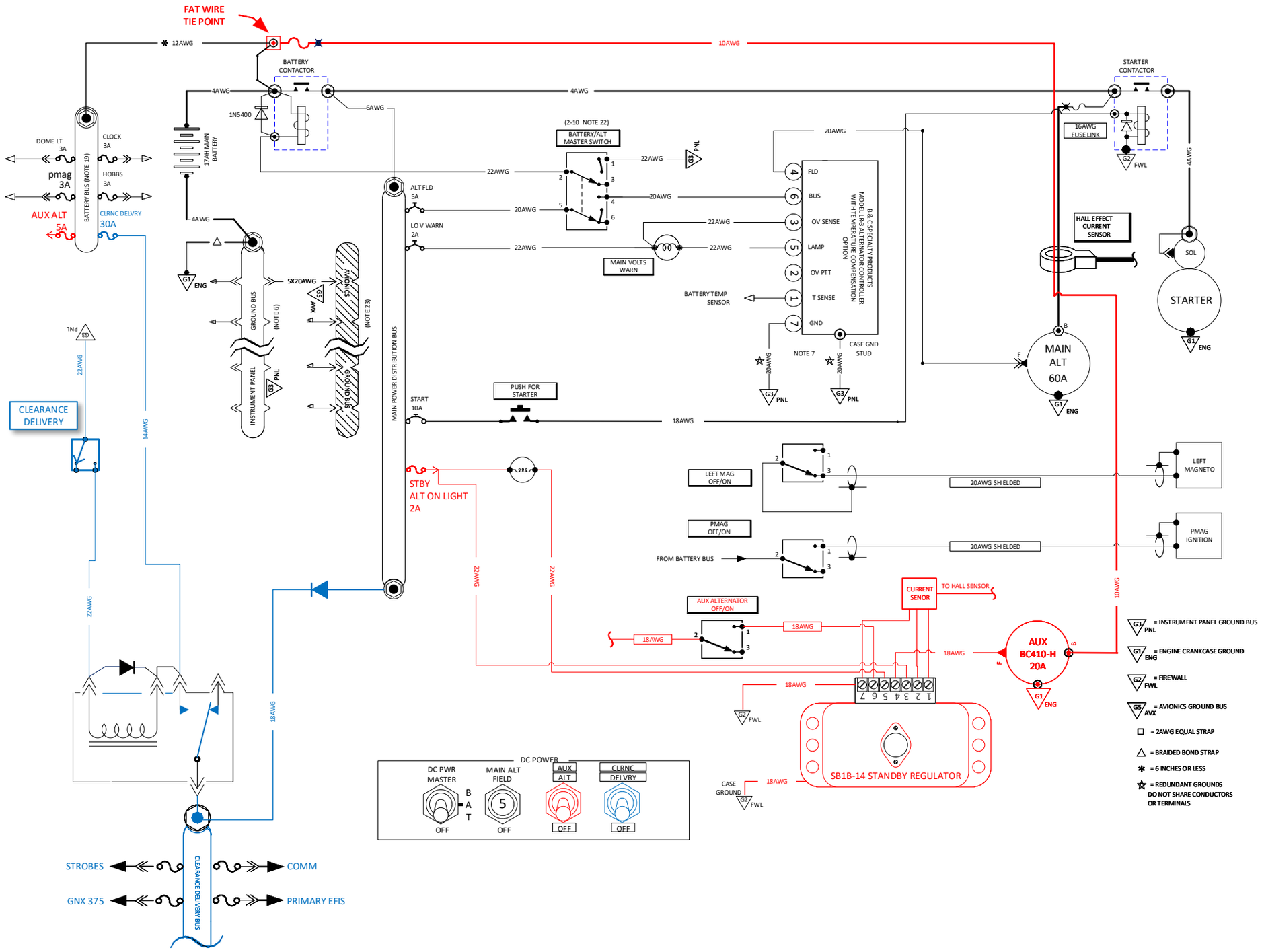
FAT WIRE TIE POINT
12AWG
10AWG
BATTERY CONTACTOR
4AWG
4AWG
1N5400
6AWG
17AH MAIN BATTERY
STARTER CONTACTOR
16AWG FUSE LINK
G2 FWL
4AWG
DOME LT 3A
CLOCK 3A
pmag 3A
HOBBS 3A
AUX ALT 5A
BATTERY BUS (NOTE 19)
CLRNC DELVRY 30A
(2-10 NOTE 22)
BATTERY/ALT MASTER SWITCH
22AWG
G3 PNL
20AWG
ALT FLD 5A
LO V WARN 2A
22AWG
20AWG
22AWG
22AWG
MAIN VOLTS WARN
FLD
BUS
OV SENSE
LAMP
OV PTT
T SENSE
GND
B & C SPECIALTY PRODUCTS
MODEL LR3 ALTERNATOR CONTROLLER
WITH TEMPERATURE COMPENSATION
OPTION
BATTERY TEMP SENSOR
NOTE 7
CASE GND STUD
20AWG
20AWG
G3 PNL
G3 PNL
HALL EFFECT CURRENT SENSOR
SOL
STARTER
G1 ENG
G1 ENG
MAIN ALT 60A
G1 ENG
G1 ENG
5X20AWG
G5 AVX
AVIONICS GROUND BUS (NOTE 23)
GROUND BUS (NOTE 6)
INSTRUMENT PANEL
G3 PNL
MAIN POWER DISTRIBUTION BUS
START 10A
PUSH FOR STARTER
18AWG
STBY ALT ON LIGHT 2A
22AWG
22AWG
LEFT MAG OFF/ON
20AWG SHIELDED
LEFT MAGNETO
PMAG OFF/ON
FROM BATTERY BUS
20AWG SHIELDED
PMAG IGNITION
CURRENT SENOR
TO HALL SENSOR
10AWG
AUX ALTERNATOR OFF/ON
18AWG
18AWG
18AWG
AUX BC410-H 20A
G1 ENG
18AWG
18AWG
G2 FWL
18AWG
CASE GROUND
G2 FWL
SB1B-14 STANDBY REGULATOR
1 2 3 4 5 6 7
DC POWER
DC PWR MASTER
B A T
OFF
MAIN ALT FIELD
5
OFF
AUX ALT
OFF
CLRNC DELVRY
OFF
CLEARANCE DELIVERY
PNL
ED
22AWG
14AWG
22AWG
18AWG
CLEARANCE DELIVERY BUS
STROBES
COMM
GNX 375
PRIMARY EFIS
G3 = INSTRUMENT PANEL GROUND BUS PNL
G1 = ENGINE CRANKCASE GROUND ENG
G2 = FIREWALL FWL
G5 = AVIONICS GROUND BUS AVX
= 2AWG EQUAL STRAP
= BRAIDED BOND STRAP
= 6 INCHES OR LESS
= REDUNDANT GROUNDS DO NOT SHARE CONDUCTORS OR TERMINALS