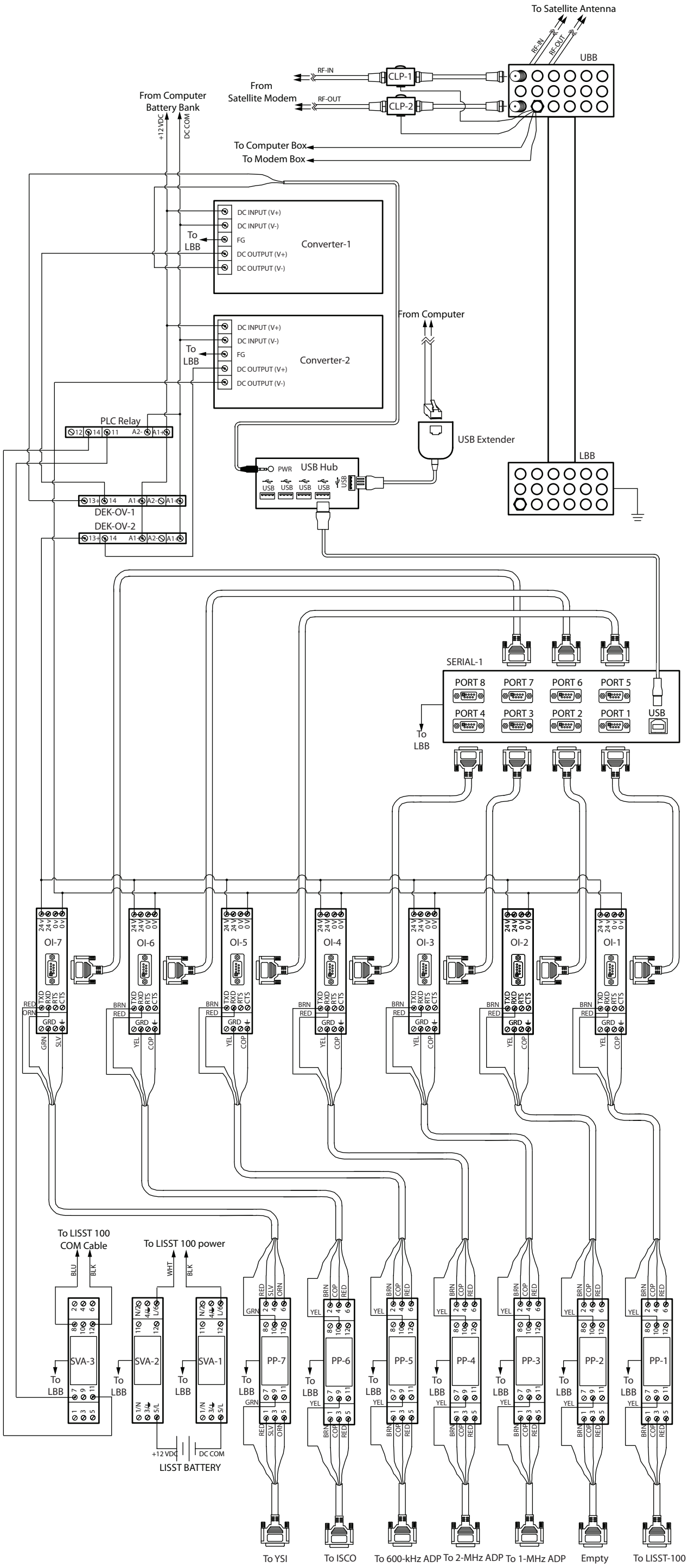

UBB, Upper BusBar (Ground Bar) connected to LBB with a 2" copper strap (single point ground though LBB). Items grounded to the UBB are grounded Individually, NOT in daisy chain.

CLP-1&2, Coaxial Cable Lightning Protector
Altellicon, Model # AL-FFFF-9

Converter-1, DC-DC Converter, converts 12VDC to 5 VDC, supplies power to USB hub.
Wall Industries, Model # DCSD50A-5 (10 AMP, 50 Watt)

Converter-2, DC-DC Converter, converts 12VDC to 24 VDC, supplies power to optical isolators.
Wall Industries, Model # DCSD50A-5 (2.1 AMP, 50 Watt)

USB Extender, extends up to 150" using Cat 5 Ethernet Cable
IOGear, Model #GUCE50

LBB, Lower BusBar (Ground Bar) connected to Earth Ground at one point.

USB Hub, provides power to USB accessories, power pin from (pin 1) from computer USB is removed to prevent USB extender burnout.
Cables Unlimited, Model USB-1810P

PLC Relay, consisting of base terminal block PLC-BSC.../21 with screw connection and pluggable miniature relay with multi-layer contact, DIN Rail Mount, relay for switching LISST Com enable lines
Phoenix Contact, Model # 2966191 (Contact rated to 6 AMP)

DEK-OV-1&2, power optocoupler terminal block, DIN Rail mount, solid state relays for switching RS232 isolators and USB hub
Phoenix Contact, Model # 2941387 (Contact rated to 3 AMP)

SERIAL-1, USB to 8-Port Serial Adapter
Qualtech, Model # ESU2-100 with IND8 Surge Protection Package

OI-(1-7), optical isolators for RS-232, interface converter, for the isolation of RS-232 (V.24) interfaces, 4 channels, DIN rail-mountable
Phoenix Contact, Model # 2744461

PP-(1-7), RS-232, 3 stage two-piece pluggable protection (surge protector), PT with HF protective circuit for 4 RS- 232 signal wires, DIN rail-mountable, protects instrument RS232 data lines
Phoenix Contact, Model # 2838775 & 2839224

SVA-1-& 2, surge voltage arrester, protective plug PT with surge voltage equipment protection for power supply units, visual fault warning, two-piece, DIN rail-mountable, protects LISST power line
Phoenix Contact, Model # 2839318 & 2839282

SVA-3, surge voltage arrester, protective plug PT with protective circuit for a 2-core floating signal circuit for power supply units, two-piece, DIN rail-mountable, protects LISST COM line
Phoenix Contact, Model # 2856029 & 2856126