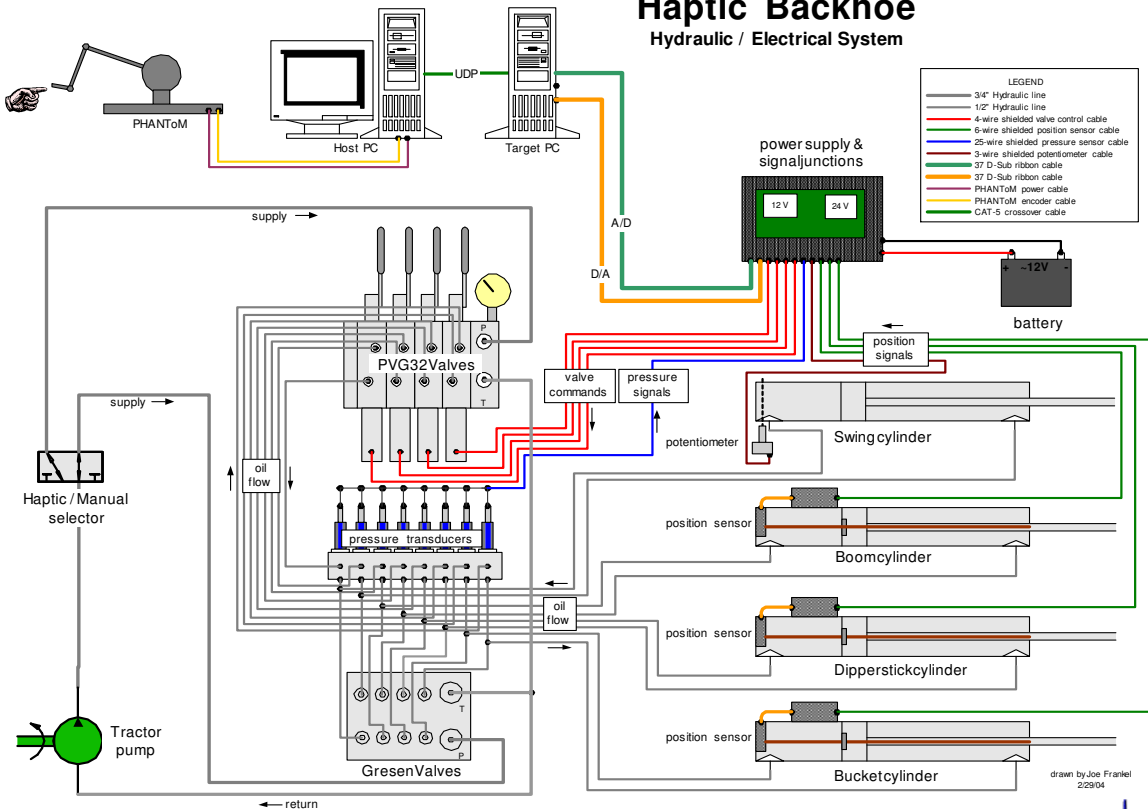


# Haptic Backhoe

Hydraulic / Electrical System



LEGEND

- 3/4" Hydraulic line
- 1/2" Hydraulic line
- 4-wire shielded valve control cable
- 6-wire shielded position sensor cable
- 25-wire shielded pressure sensor cable
- 3-wire shielded potentiometer cable
- 37 D-Sub ribbon cable
- 37 D-Sub ribbon cable
- PHANTOM power cable
- PHANTOM encoder cable
- CAT-5 crossover cable

drawn by Joe Frankel  
2/29/04