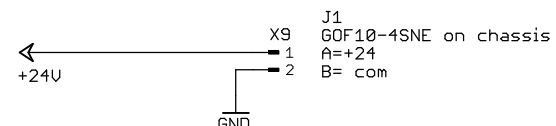
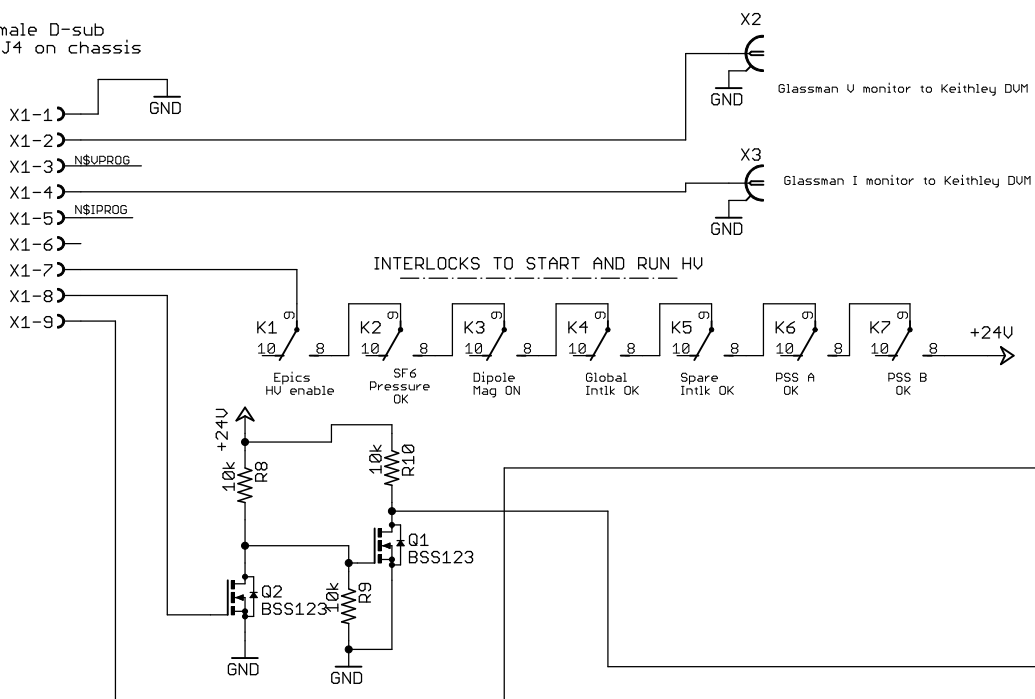


9 pin female D-sub
Labeled J4 on chassis

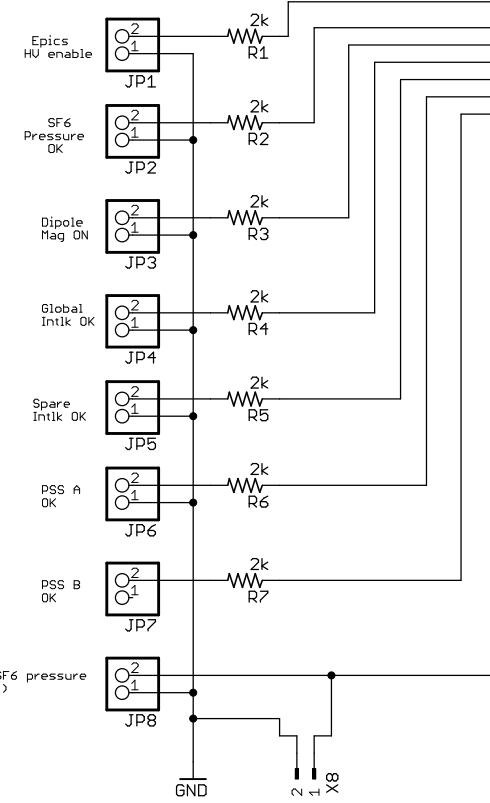
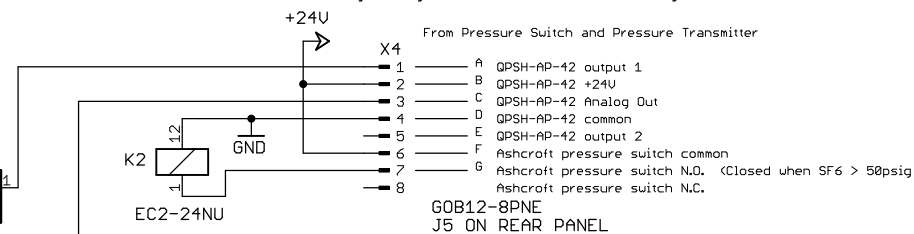
TB1 on Glassman remote				
2	Black	Common	X1-1	GND
4	Brown	→ V MON (0-10V = 0-450kV)	X1-2	
5	Red	← V PROG (0-10V is 0-450kV)	X1-3	N\$UPROG
7	Orange	→ I MON (0-10V = 0-3mA)	X1-4	
8	Yellow	← I PROG (0-10V is 0-3mA)	X1-5	N\$IPROG
		No connection	X1-6	
3	Blue	← HV ENABLE	X1-7	
10	White	→ HV STATUS	X1-8	
		→ HV READY	X1-9	

"HV ready" is the 10V reference that comes out of this terminal when the Glassman has power (PSS made up and breaker closed)

"HV Status" means power supply is on or off (High when on) It is TTL 5V, so we must level shift from 5V TTL to 24V logic for D10 card.

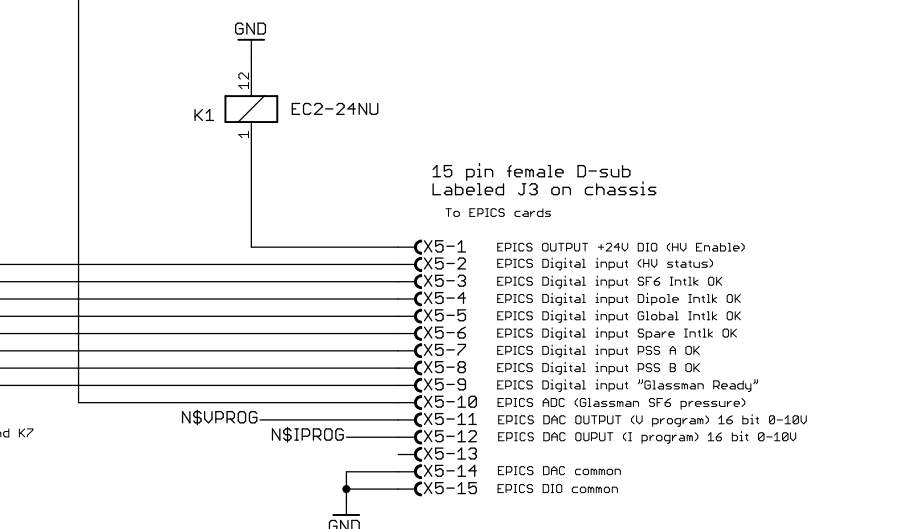
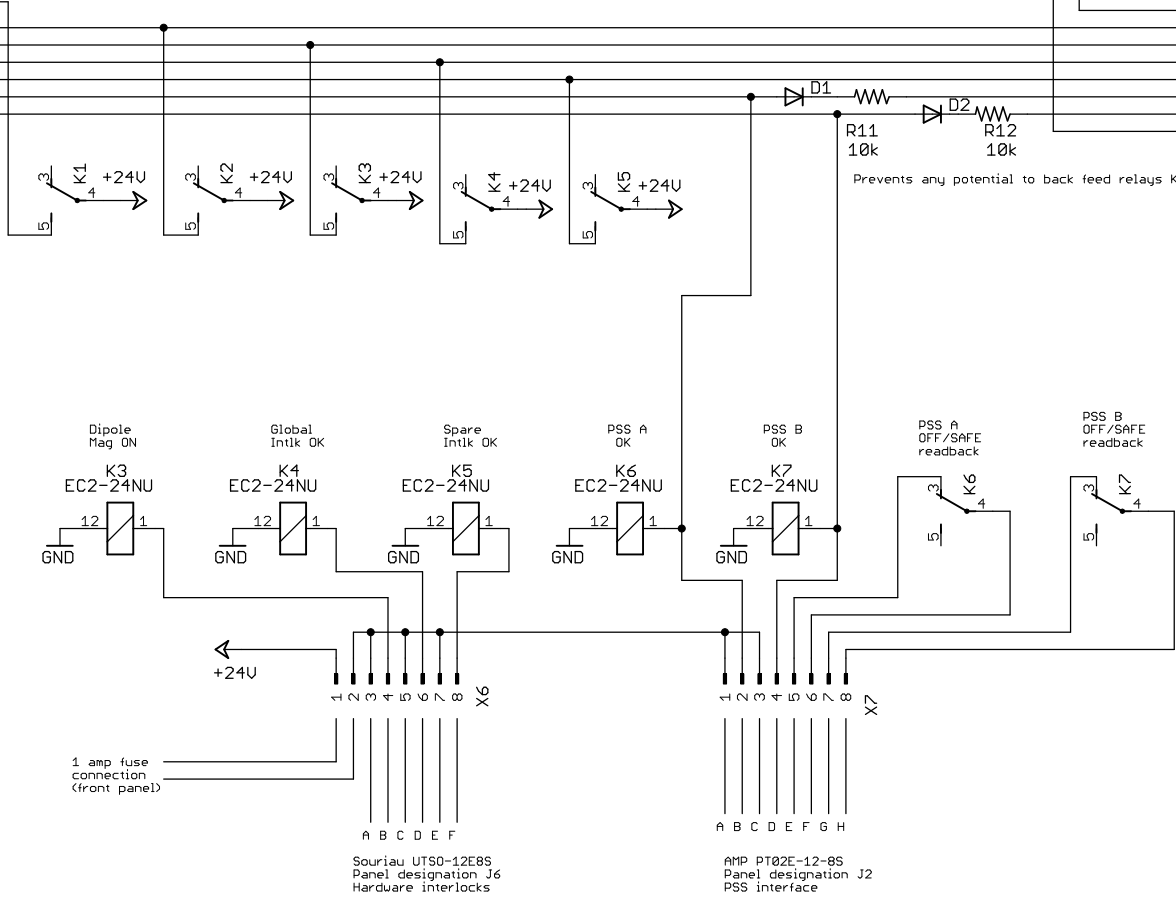


Direct cable connect to power up and get signals from Glassman SF6 gas sensors.



Found a 12V Piezo alarm that also has LED warning so this will be connected to X8

12VDC Piezo Siren (loss of SF6)

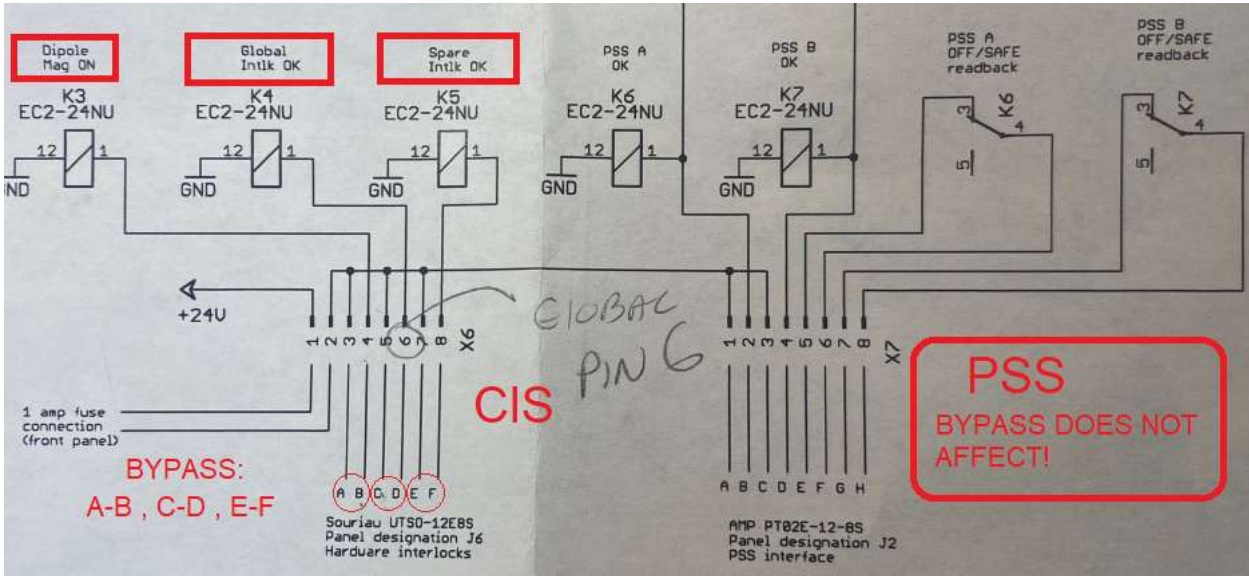


Souriau UTS0-12E8S Panel designation J6 Hardware interlocks

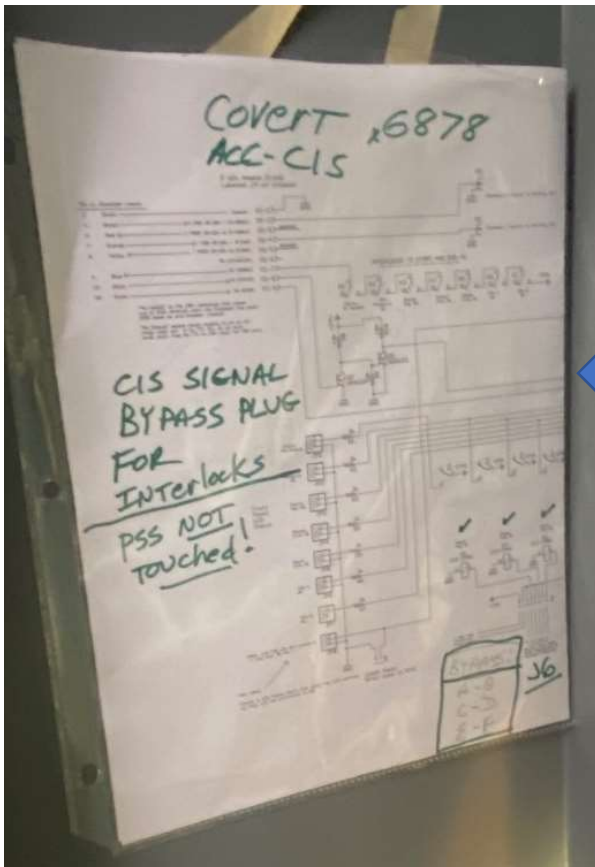
AMP PT02E-12-8S Panel designation J2 PSS interface

CIS INTERLOCK RACK BYPASS

CIS has three relays that need to be in an active state to release beam: Dipole 15°, "Global" (vacuum) and a "SPARE". You can see in the schematics below that +24V and a switch leg is provided for all three relays. The bypass simply connects the three switch legs to +24V.



Instructions posted in cabinet:



STORE THE BYPASS IN THE PLASTIC SLEEVE OF THE INSTRUCTION!

PLUG IN THE BYPASS, VERIFY ACC-CIS INTERLOCKS ARE SHOWING HEALTHY:



ALL GOOD!

