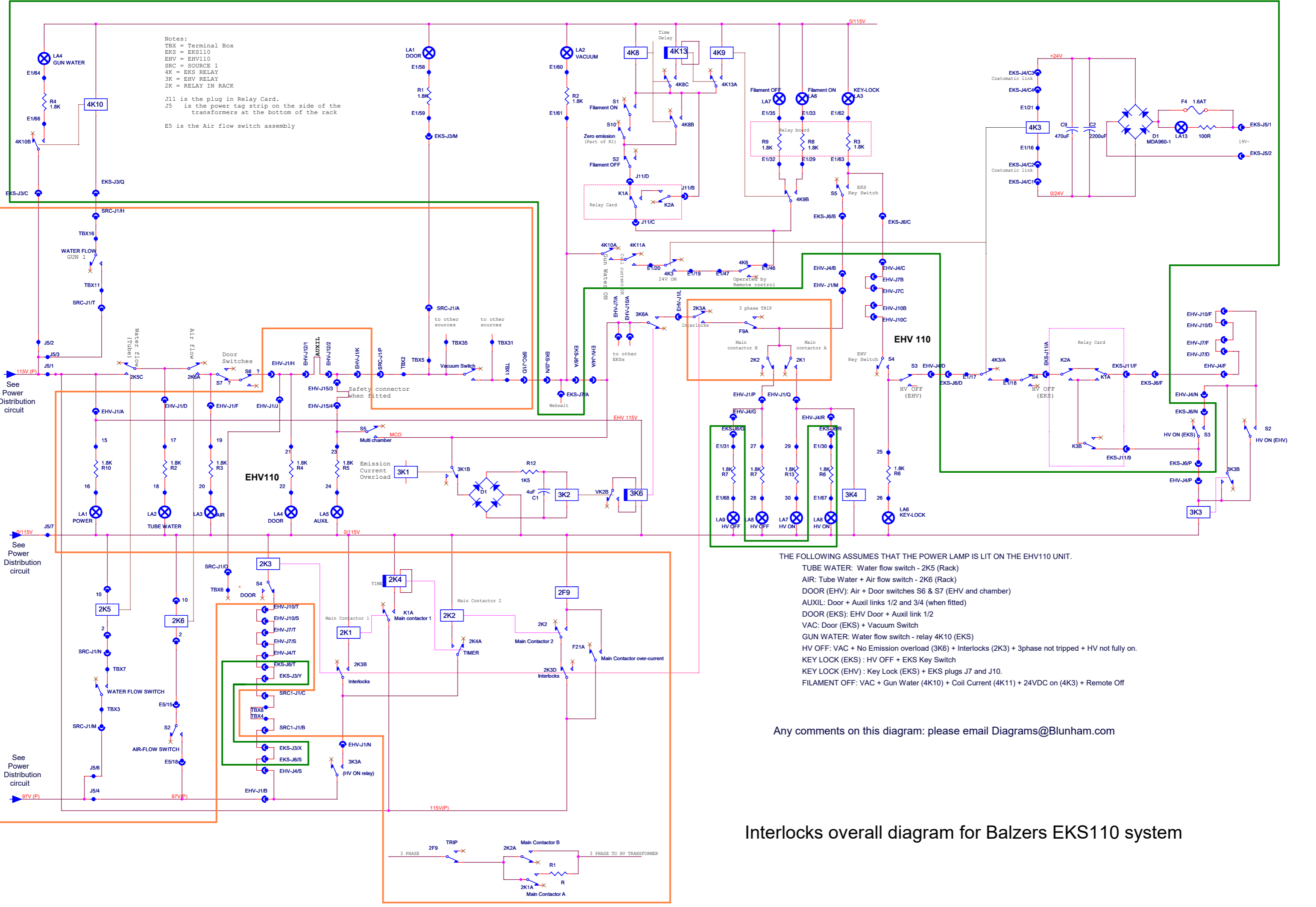


Notes:
 TBX = Terminal Box
 EKS = EKS110
 EHV = EHV110
 SRC = SOURCE 1
 4K = EKS RELAY
 3K = EHV RELAY
 2K = RELAY IN RACK

J11 is the plug in Relay Card.
 J5 is the power tag strip on the side of the transformers at the bottom of the rack
 E5 is the Air flow switch assembly



THE FOLLOWING ASSUMES THAT THE POWER LAMP IS LIT ON THE EHV110 UNIT.

- TUBE WATER: Water flow switch - 2K5 (Rack)
- AIR: Tube Water + Air flow switch - 2K6 (Rack)
- DOOR (EHV): Air + Door switches S6 & S7 (EHV and chamber)
- AUXIL: Door + Auxil links 1/2 and 3/4 (when fitted)
- DOOR (EKS): EHV Door + Auxil link 1/2
- VAC: Door (EKS) + Vacuum Switch
- GUN WATER: Water flow switch - relay 4K10 (EKS)
- HV OFF: VAC + No Emission overload (3K6) + Interlocks (2K3) + 3phase not tripped + HV not fully on.
- KEY LOCK (EKS) : HV OFF + EKS Key Switch
- KEY LOCK (EHV) : Key Lock (EKS) + EKS plugs J7 and J10.
- FILAMENT OFF: VAC + Gun Water (4K10) + Coil Current (4K11) + 24VDC on (4K3) + Remote Off

Any comments on this diagram: please email Diagrams@Blunham.com

Interlocks overall diagram for Balzers EKS110 system