

FS90 LRV4 EXAMPLE (GREEN 24VDC FS90 Board and BLACK N/C Smoke Board)
 Each installation may be different. DUPLEX may require additional changes to PHI circuits

Notes:

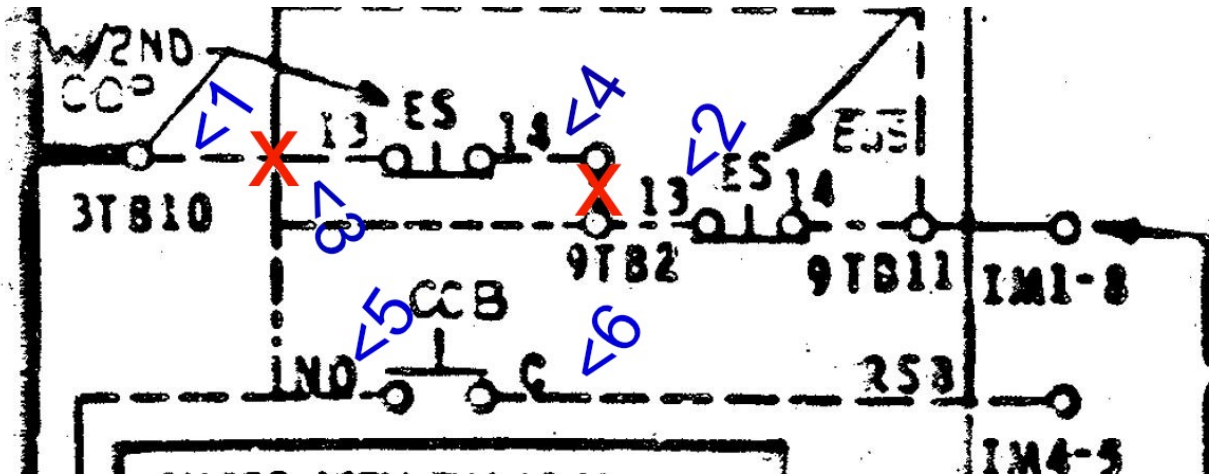
Red X indicates cut in existing circuit.

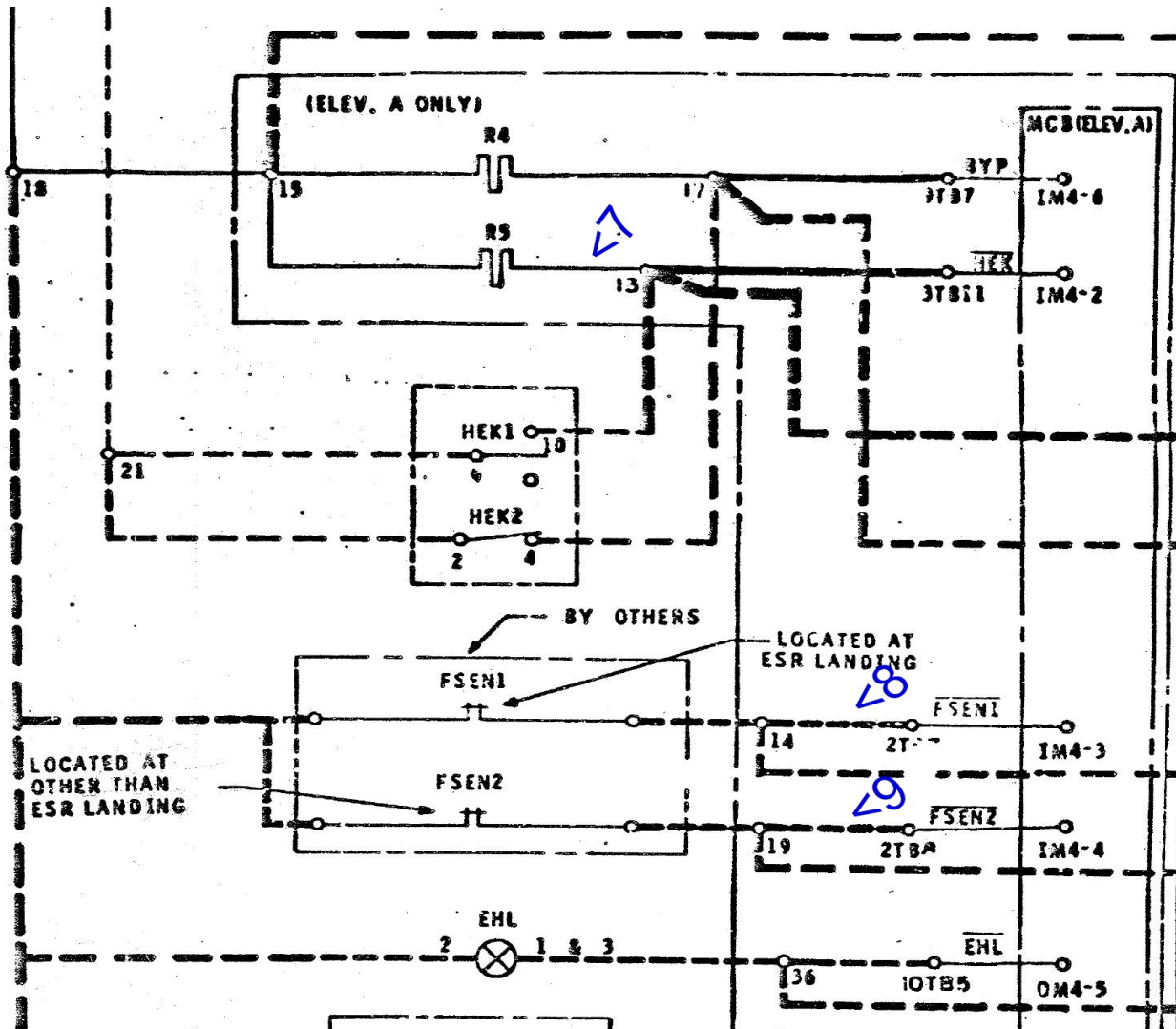
Blue numbers on marked up drawings relate to the corresponding note numbers below

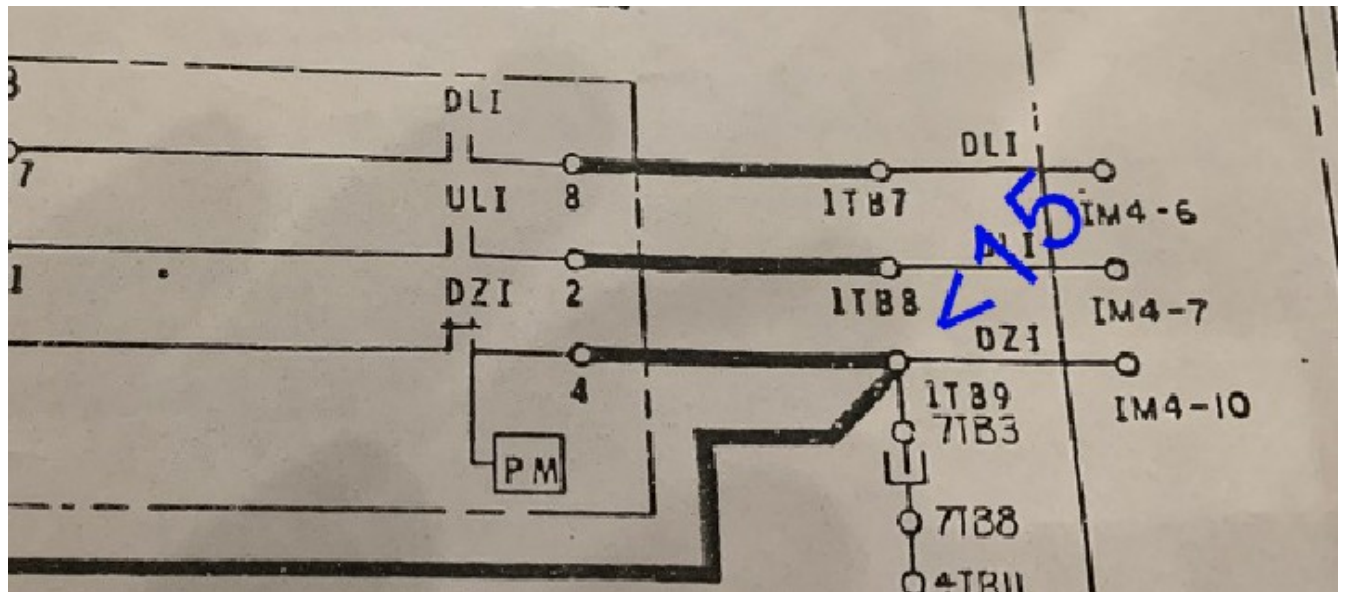
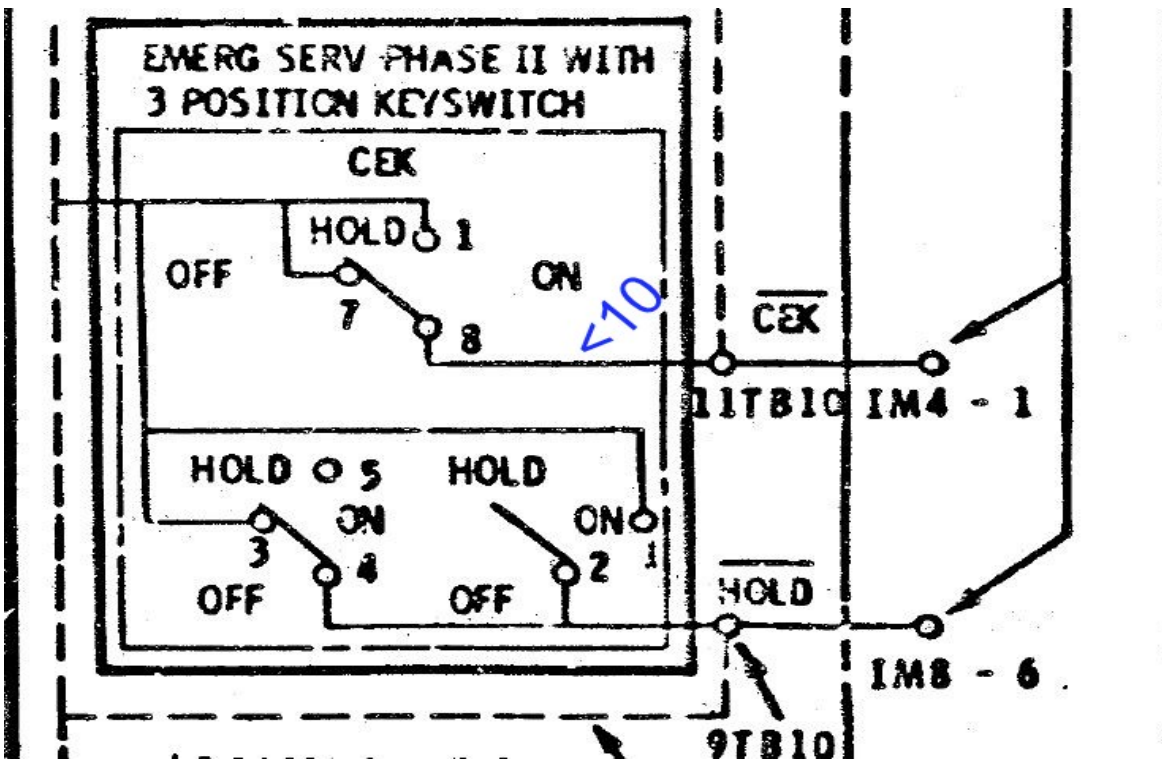
Step	Wire#	Instruction
1		Connect to one of the STP terminals on the FS90 Board
2		Connect to remaining STP terminal on the FS90 Board
3		Connect to one of the KEY STOP terminals on the FS90 Board
4		Connect to remaining KEY STOP terminal on the FS90 Board
5		Connect to one CC terminal on FS90 Board
6		Connect to remaining CC terminal on FS90 Board
7		Connect to HEK terminal on FS90 Board / Move jumper to KS side *See Sinking Drawing below
8		Connect to SMK1 terminal on NC FIRE MODULE
9		Connect to SMK2 terminal on NC FIRE MODULE
10		Connect to SMK3 terminal on NC FIRE MODULE
11		Connect PH1SND Terminal on NC Fire Module to KEYHAT on FS90 Board
12	Provided	Connect lead NC FIRE MODULE to PHIISIG terminal on the FS90 Board
13		Connect HL1 to 24dc- on FS90 Board, & SMKCOM, HEKCOM on FIRE MODULE
14		Connect 24VDC to 24DC+ on FS90 Board, and "+" terminal on NC FIRE Module
15		Connect to DZSIG on FS90 Board

NOTE:

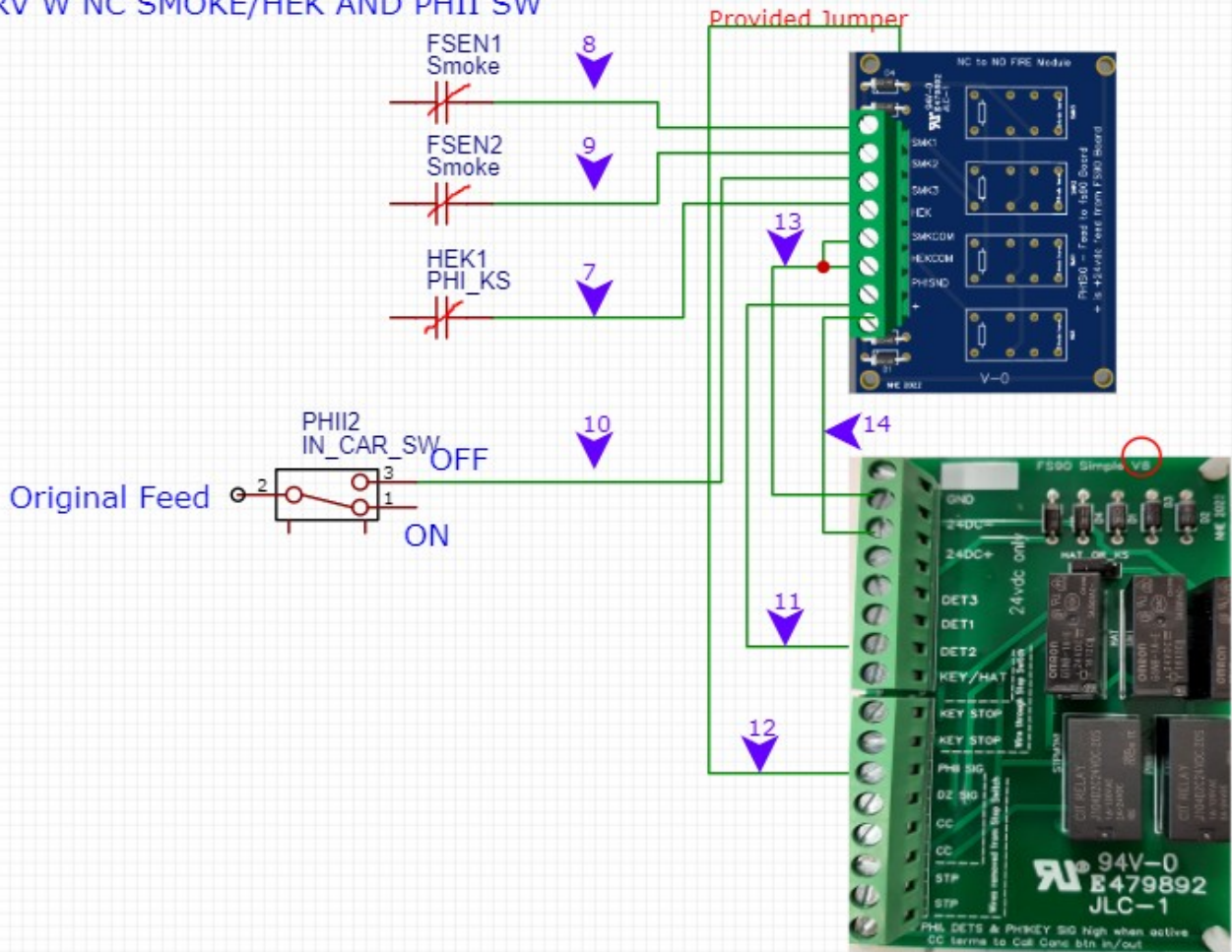
* Test PHII doors while holding the CC button before beginning. If doors do not operate properly you may have to break up the Car Call button feed instead of using the CC terminals to parallel the Call Cancel Button. In this case, you'd use the CC terminals to pull a relay and break a n/c contact that would normally feed the Car Calls. See below



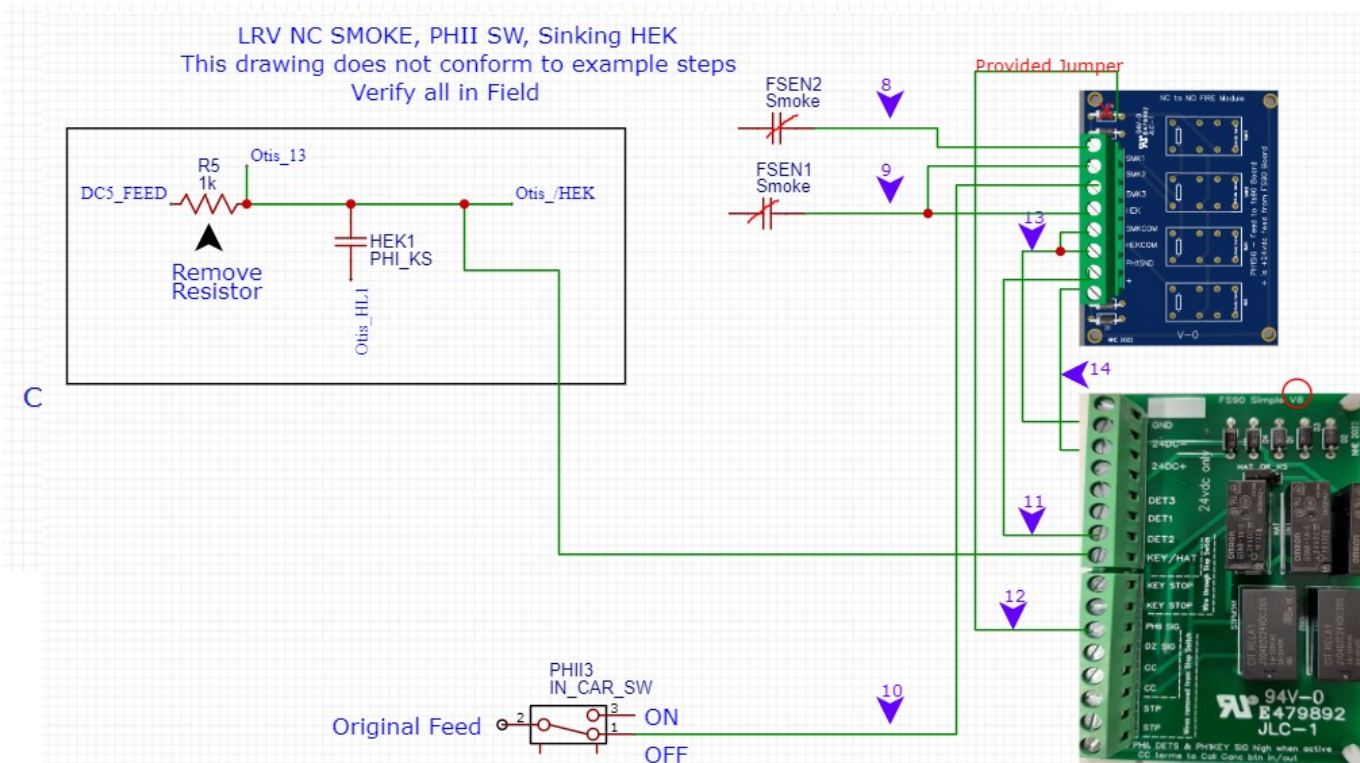




LRV W NC SMOKE/HEK AND PHII SW



Example below: place HAT_OR_KS jumper in position furthest from the terminal blocks (Remove Resistor below is an option if controls don't respond to HEK after install)



GENERIC WIRING EXAMPLES

FS90 Simple V8

Use correct connections for each individual system.

STP = terminals = N/O Relay contact

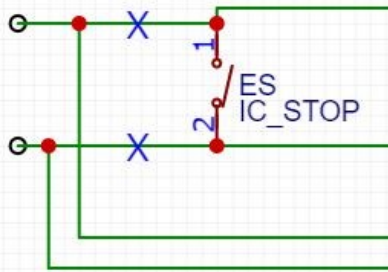
CC terminals = N/O Relay contact

All other connections are 24VDC referenced to 24vdc- terminal on FS90 Board

Final In Car Stop Wiring

Original Feed

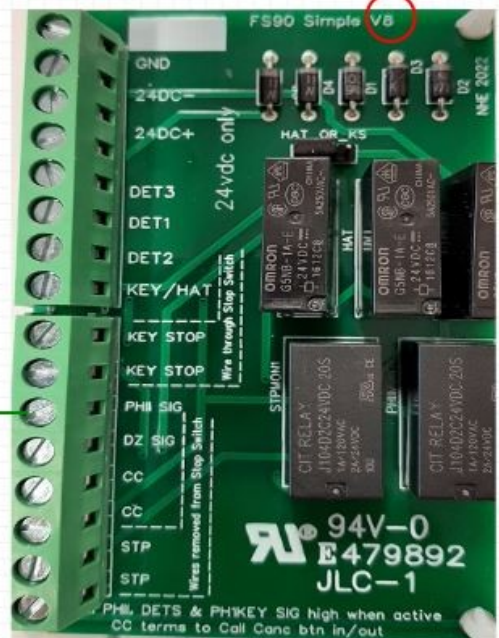
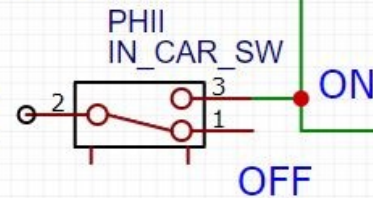
To Controller



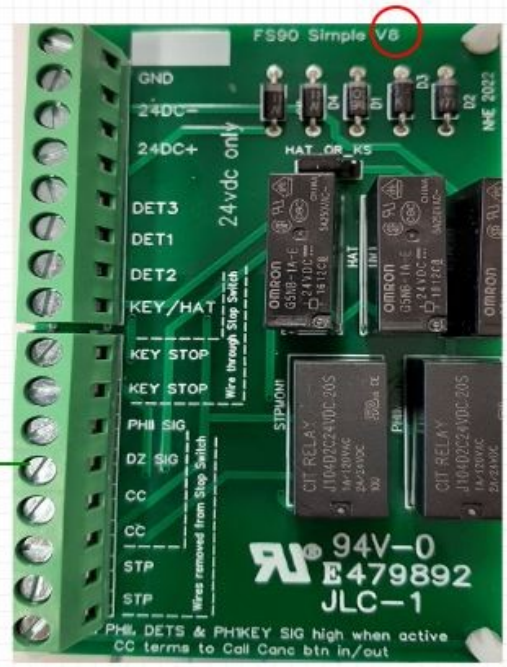
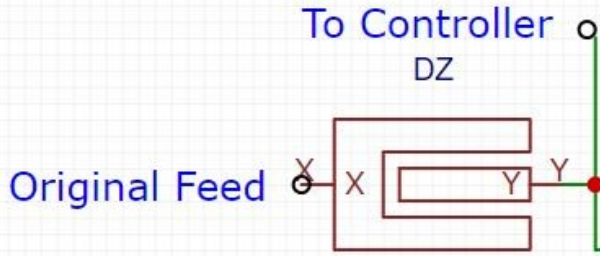
PHII Final

To Controller

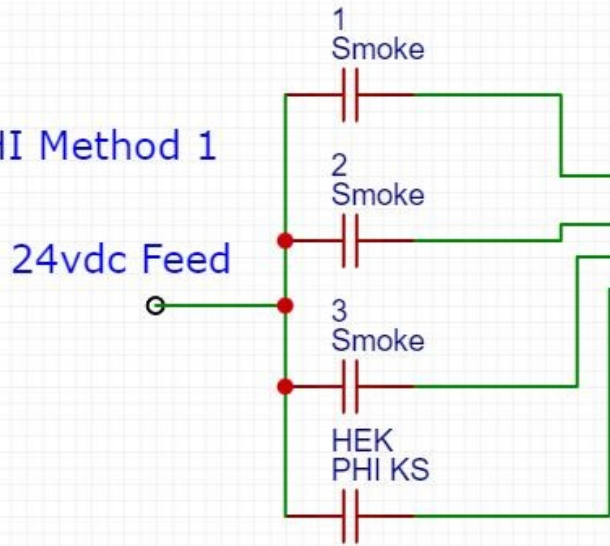
Original Feed



Final DZ Wiring



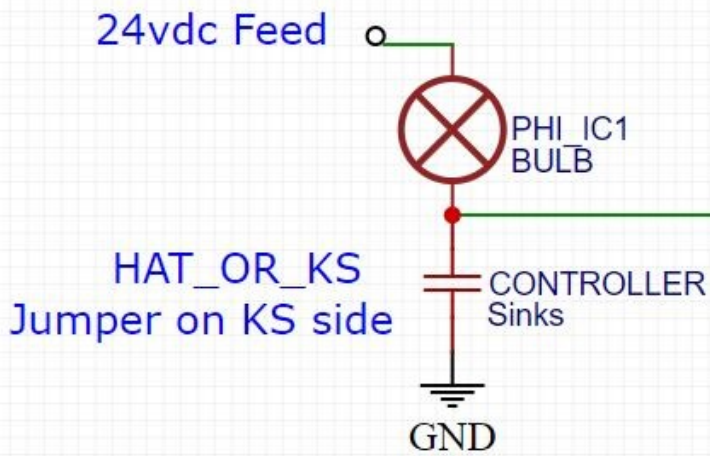
N/O PHI Method 1



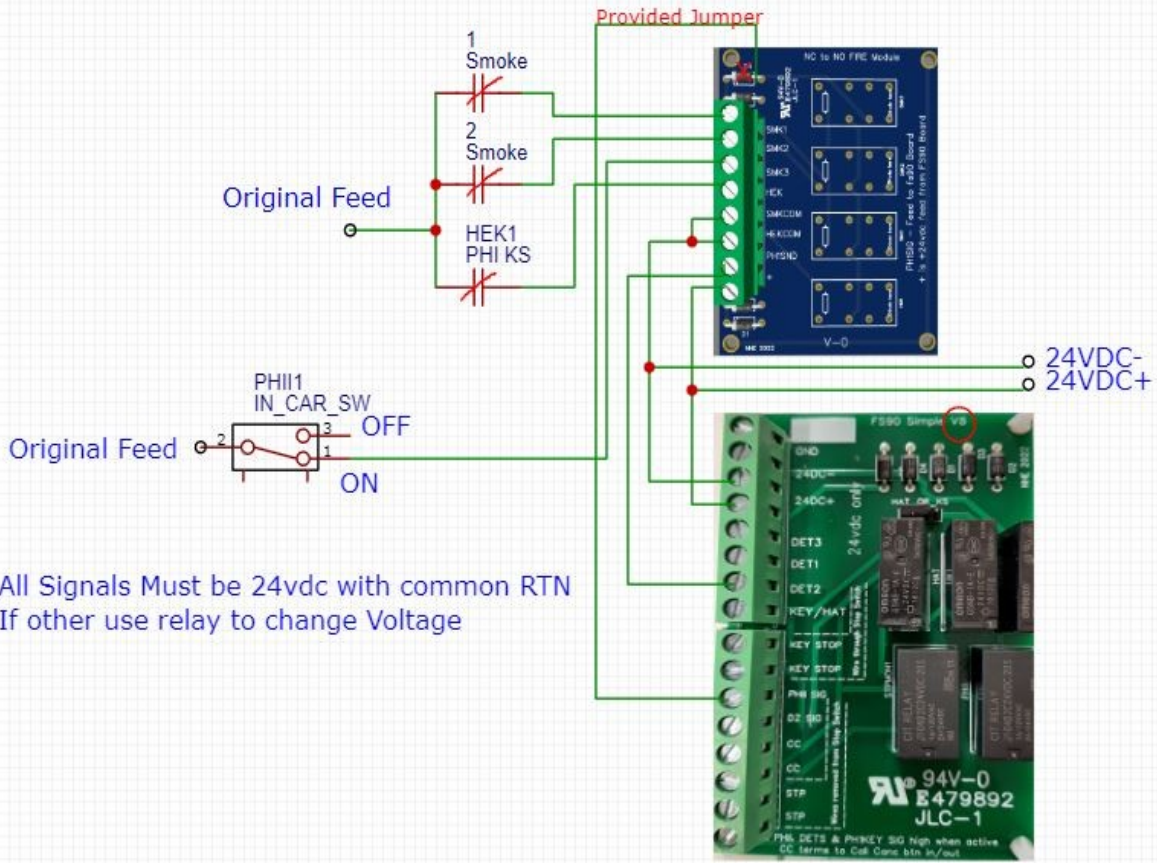
PHI Method 2



PHI Method 3



NC SMOKE AND PHII SW



LRV NC SMOKE, PHII SW, Sinking HEK

This drawing does not conform to example steps
Verify all in Field

