

MCE 4000 FS90 EXAMPLE

Use GREEN 24VDC FS90 Board only

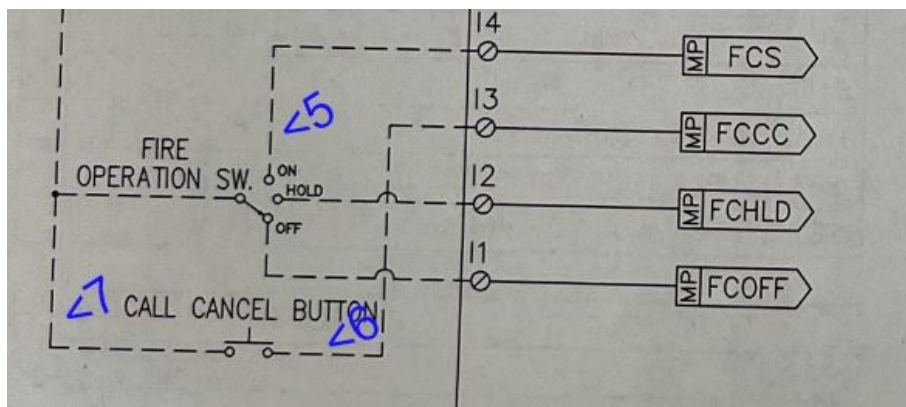
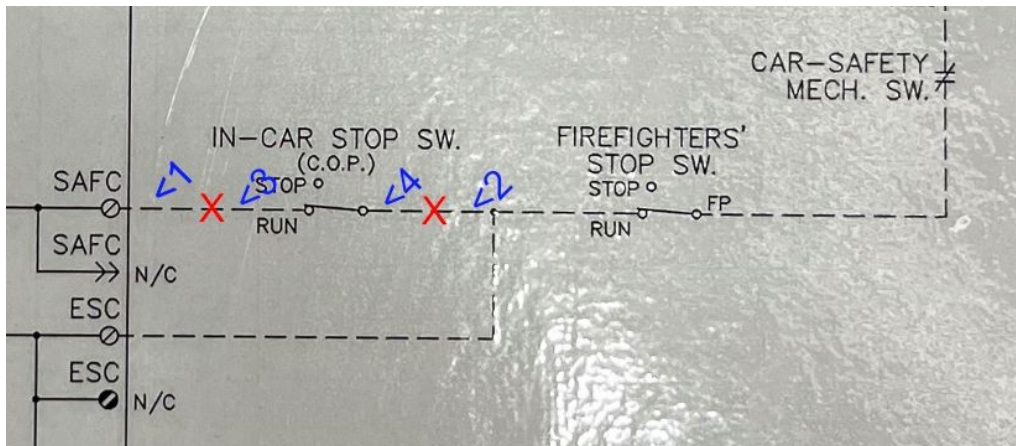
Each installation may be different. DUPLEX may require additional changes to PHI circuits. Verify all voltages and wiring in field

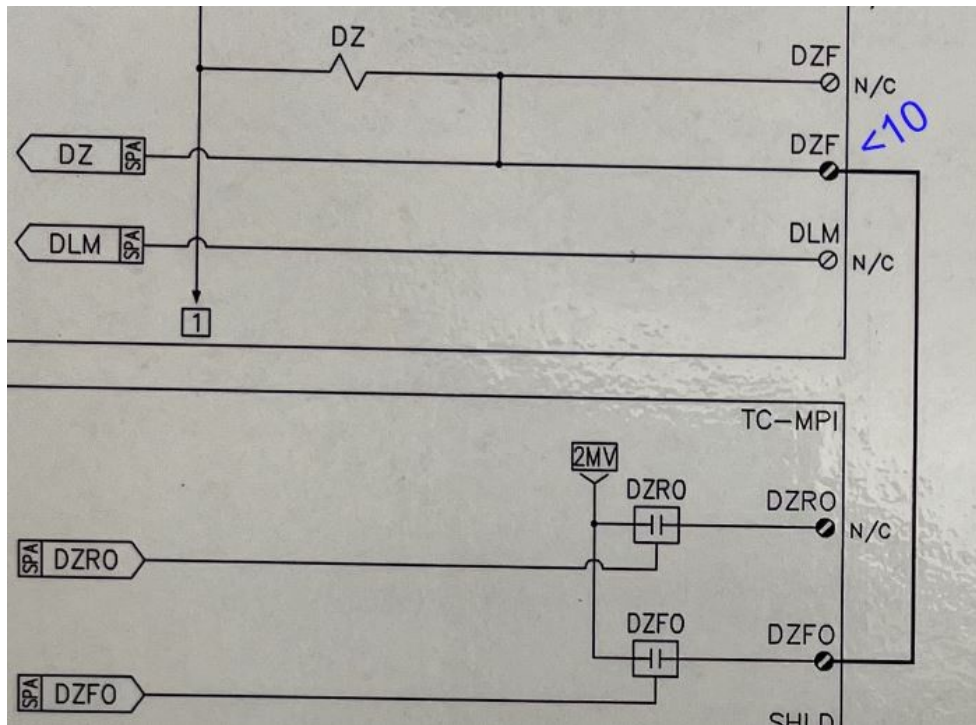
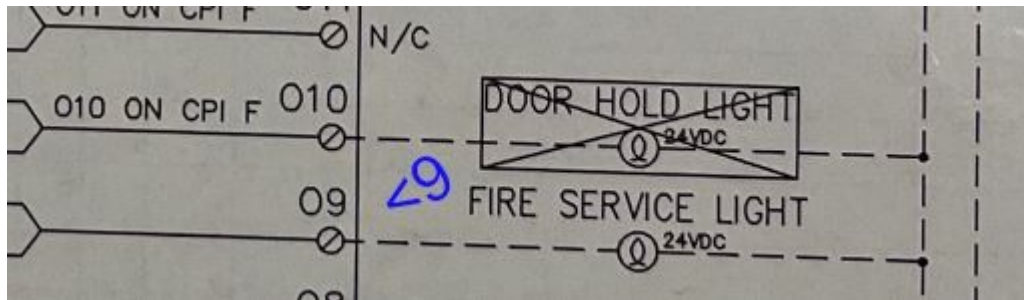
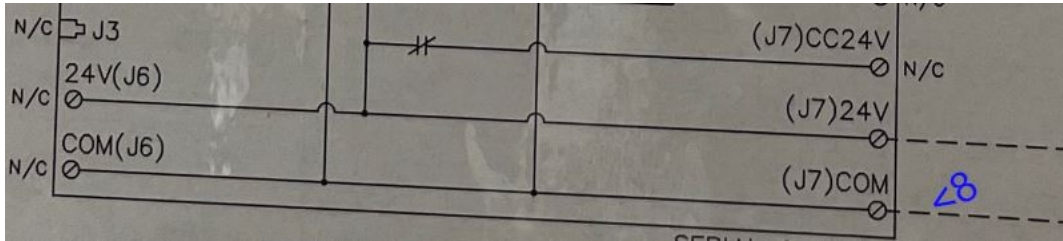
Notes:

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 STP terminal on the FS90 Board
2		Connect to remaining STP terminal on FS90 Board
3		Connect to the KEYSTOP terminal on the FS90 Board that is CLOSEST to end of the terminal block
4		Connect to the remaining KEYSTOP terminals on the FS90 Board
5		Connect to the PHIISIG terminal on the FS90 Board
6		Connect to one of the CC Terminals on the FS90 Board
7		Connect to the remaining CC terminal, and jump to the 24vdc+ and SMKCOM terminals on the FS90 Board
8		Connect to the 24vdc- Terminal on the FS90 Board
9		Connect to the PH1_INIT terminal on the FS90 Board. Move Jumper to the KS side
10		Connect to the DZSIG Terminal on the FS90 Board
11		





# GENERIC WIRING EXAMPLES

## FS90 Simple V8

Use correct connections for each individual system.

STP = terminals = N/O Relay contact

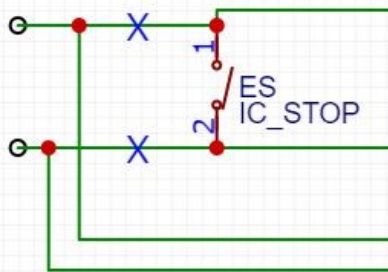
CC terminals = N/O Relay contact

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

### Final In Car Stop Wiring

Original Feed

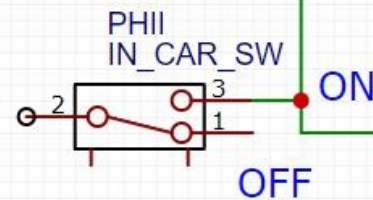
To Controller



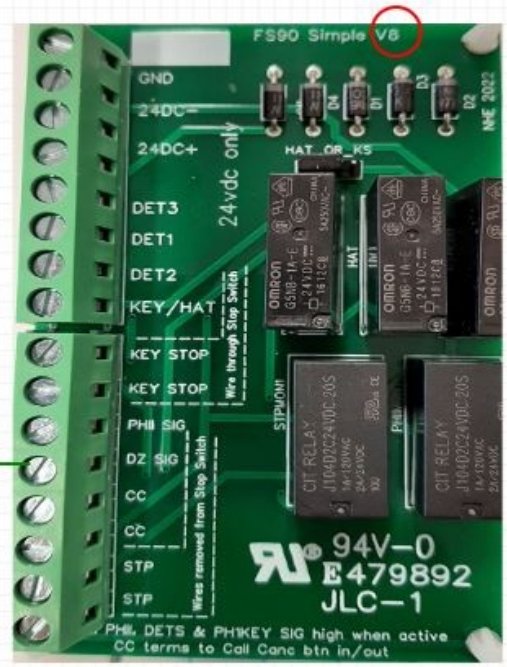
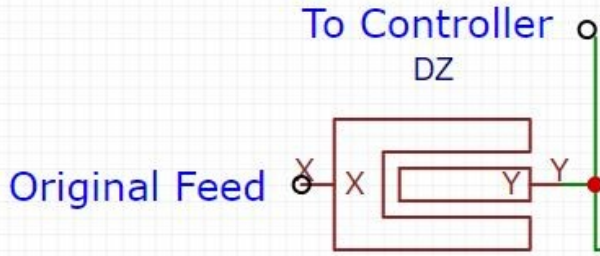
### PHII Final

To Controller

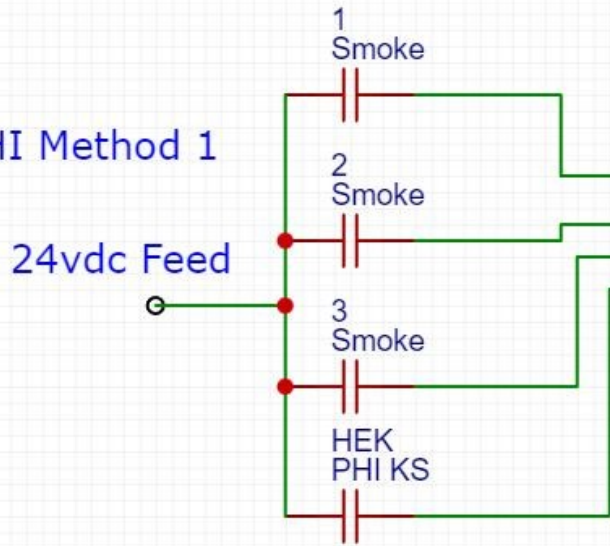
Original Feed



### Final DZ Wiring



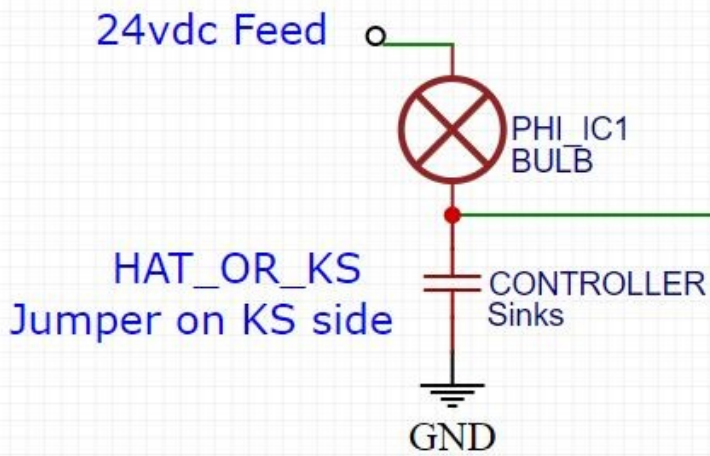
### N/O PHI Method 1



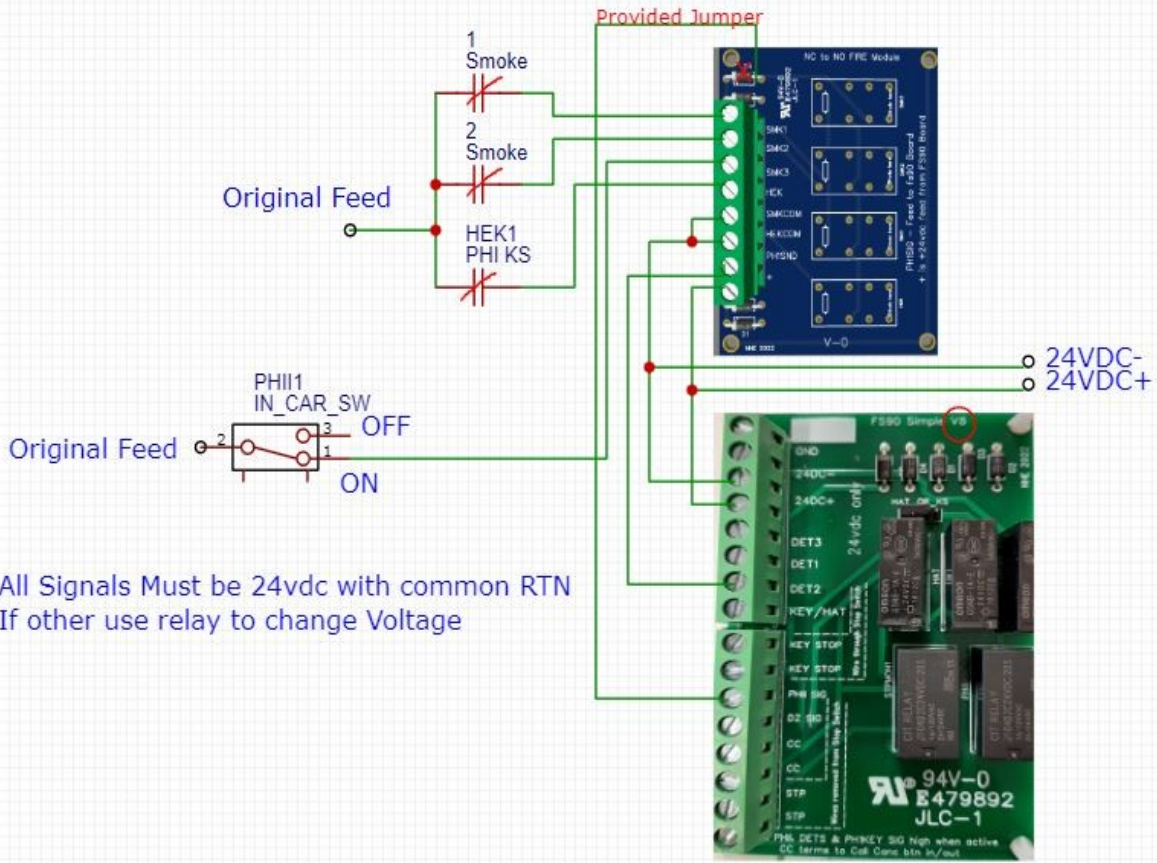
### PHI Method 2



### 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

