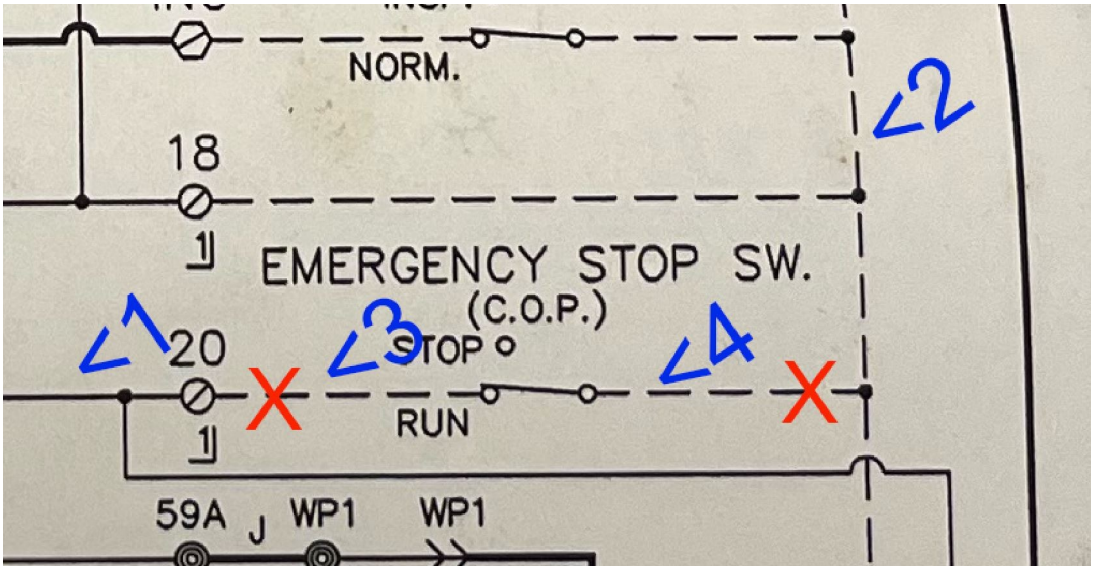
MCE 1000 Generic Example Use BLUE 120VAC Board Only
All connections shown are for 120vac only. Use relays to interface other voltages.
Verify all connections in field.
STP and CC contacts are rated at 1A Max. Use these to drive power relays if needed

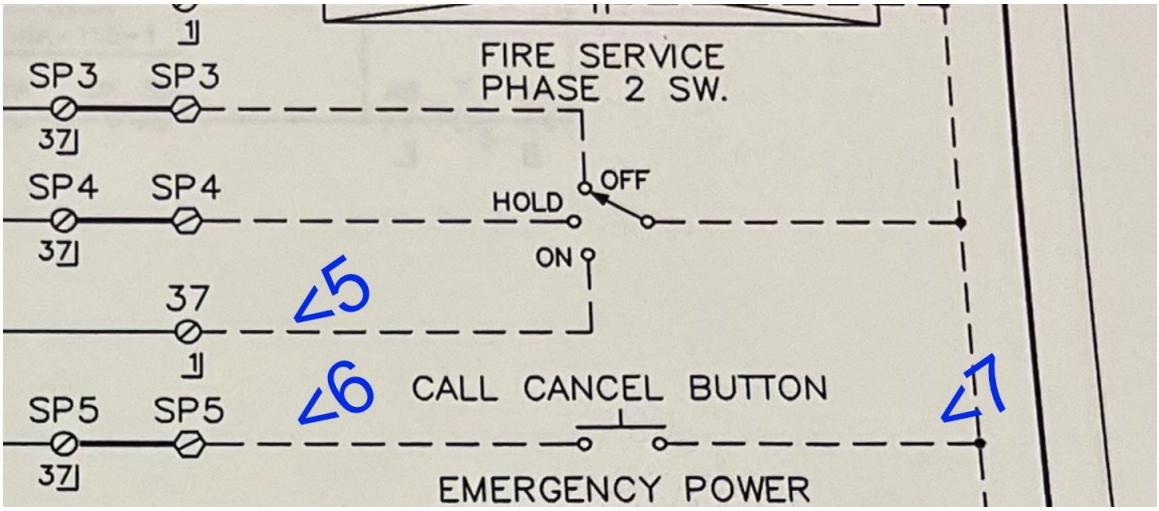
Red X indicates cut in existing circuit.

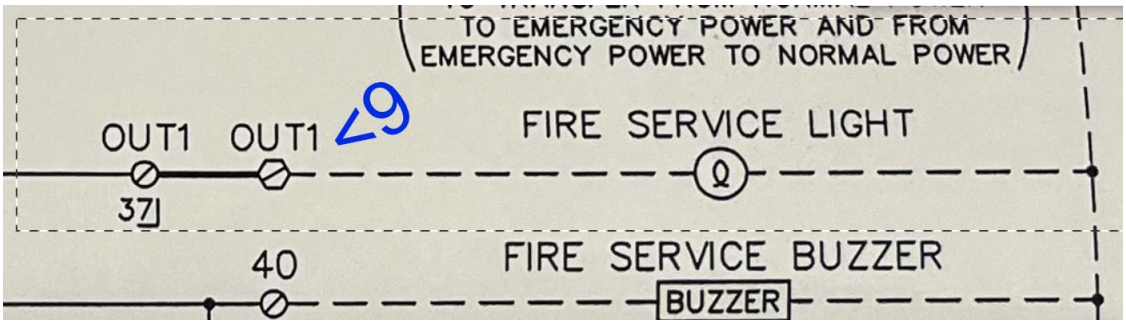
Blue numbers on marked up drawings relate to the corresponding step numbers below

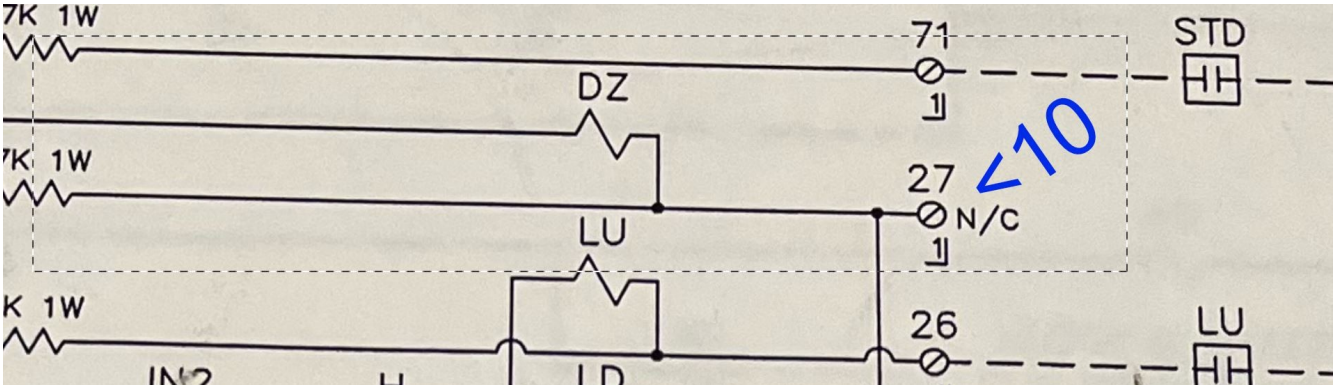
Step	Wire#	Instruction
1		Connect to one of the STP terminals on the FS90 Board
2		Connect to remaining STP terminal on the FS90 Board
3		Connect to one of the KEY STOP terminals on the FS90 Board
4		Connect to remaining KEY STOP terminal on the FS90 Board
5		Connect PHII_SIG terminal on FS90 board
6		Connect to remaining CC terminal on FS90 Board
7		Connect to remaining CC terminal on FS90 Board
8		Connect 110FD terminal on FS90 Board to the SMKCOM terminal on FS90 Board
9		Connect to the PHI_INIT Terminal on FS90 Board
10		Connect to DZ_SIG Terminal on FS90 Board
11		Place PHICMN jumper on the EXT Side
12		Place FD_KS jumper on the INT side
13		Place PHI_MON jumper on the NO side
14		Connect MCE Terminal 1 to the 110RT Terminal on FS90 Board
15		Connect MCE Terminal 2 to the 110FD Terminal 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


NORM.
18
1
EMERGENCY STOP SW.
(C.O.P.)
20
STOP
RUN
1
59A
J
WP1
WP1
2
1
3
4
X
X


1
SP3
SP3
37
FIRE SERVICE
PHASE 2 SW.
SP4
SP4
37
HOLD
OFF
ON
37
1
5
6
CALL CANCEL BUTTON
7
SP5
SP5
37
EMERGENCY POWER

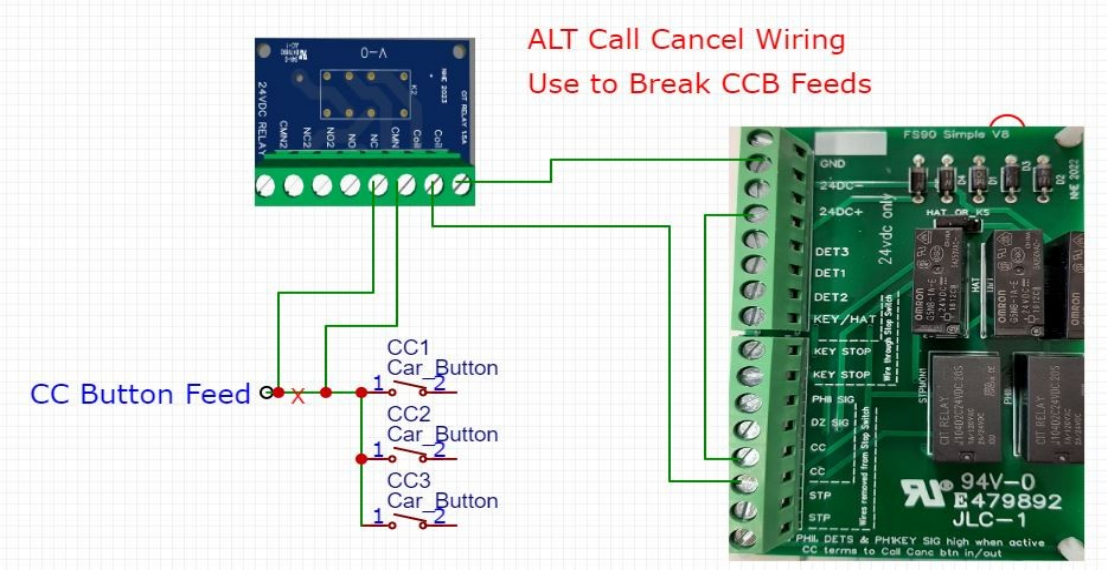

TO EMERGENCY POWER AND FROM
EMERGENCY POWER TO NORMAL POWER
9
OUT1
OUT1
37
FIRE SERVICE LIGHT
Q
40
FIRE SERVICE BUZZER
BUZZER


7K 1W
71
STD
DZ
HH
7K 1W
27
N/C
LU
K 1W
26
LU
HH

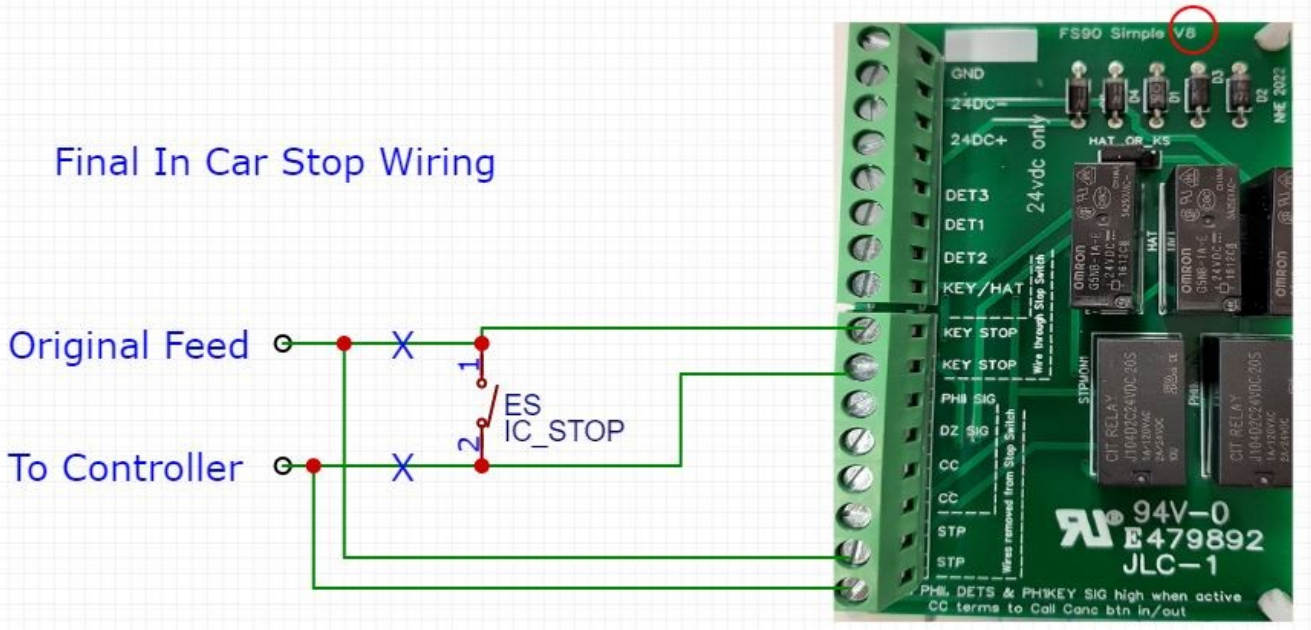
GENERIC WIRING EXAMPLES

Use correct connections for each individual system.
Boards and voltages shown may not be correct for your application. Use correct voltage boards.

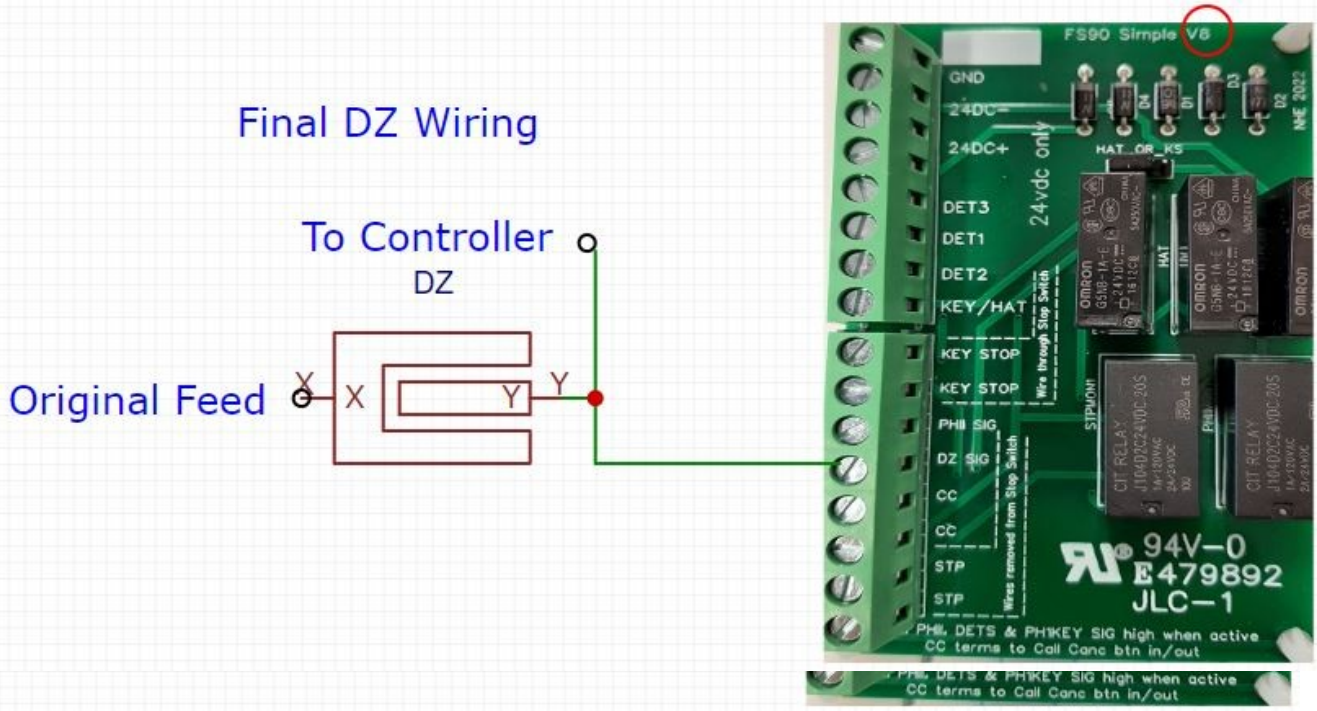
STP = terminals = N/O Relay contact 1A max
CC terminals = N/O Relay contact 1A max



Final In Car Stop Wiring



Final DZ Wiring



PHI Method 2

24vdc Feed Active High

HAT_OR_KS
Jumper on HAT side

PHI_IC
BULB

GND

PHI Method 3

24vdc Feed

PHI_IC1
BULB

HAT_OR_KS
Jumper on KS side

CONTROLLER
Sinks

GND