ESI Duplex Wiring Diagram and Instructions

 Verify all connections in field.

Use 120vac Custom Board Only
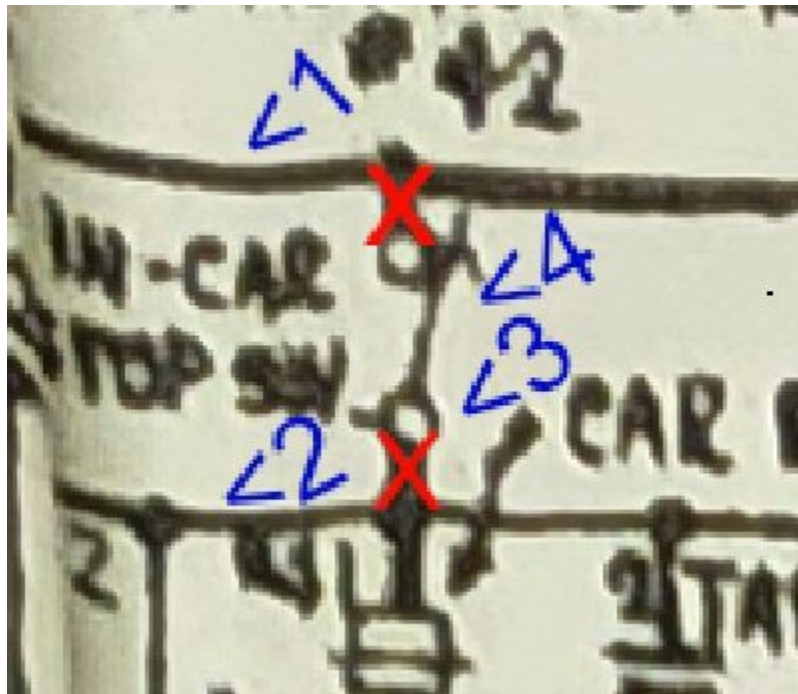
Red X indicates cut in existing circuit.

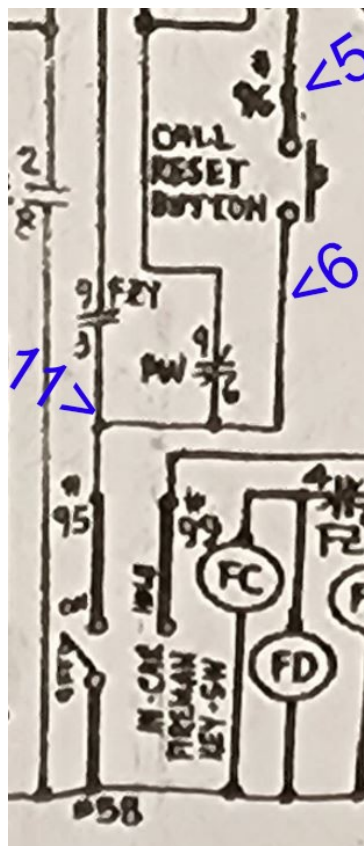Blue numbers on marked up drawings relate to the corresponding step numbers below

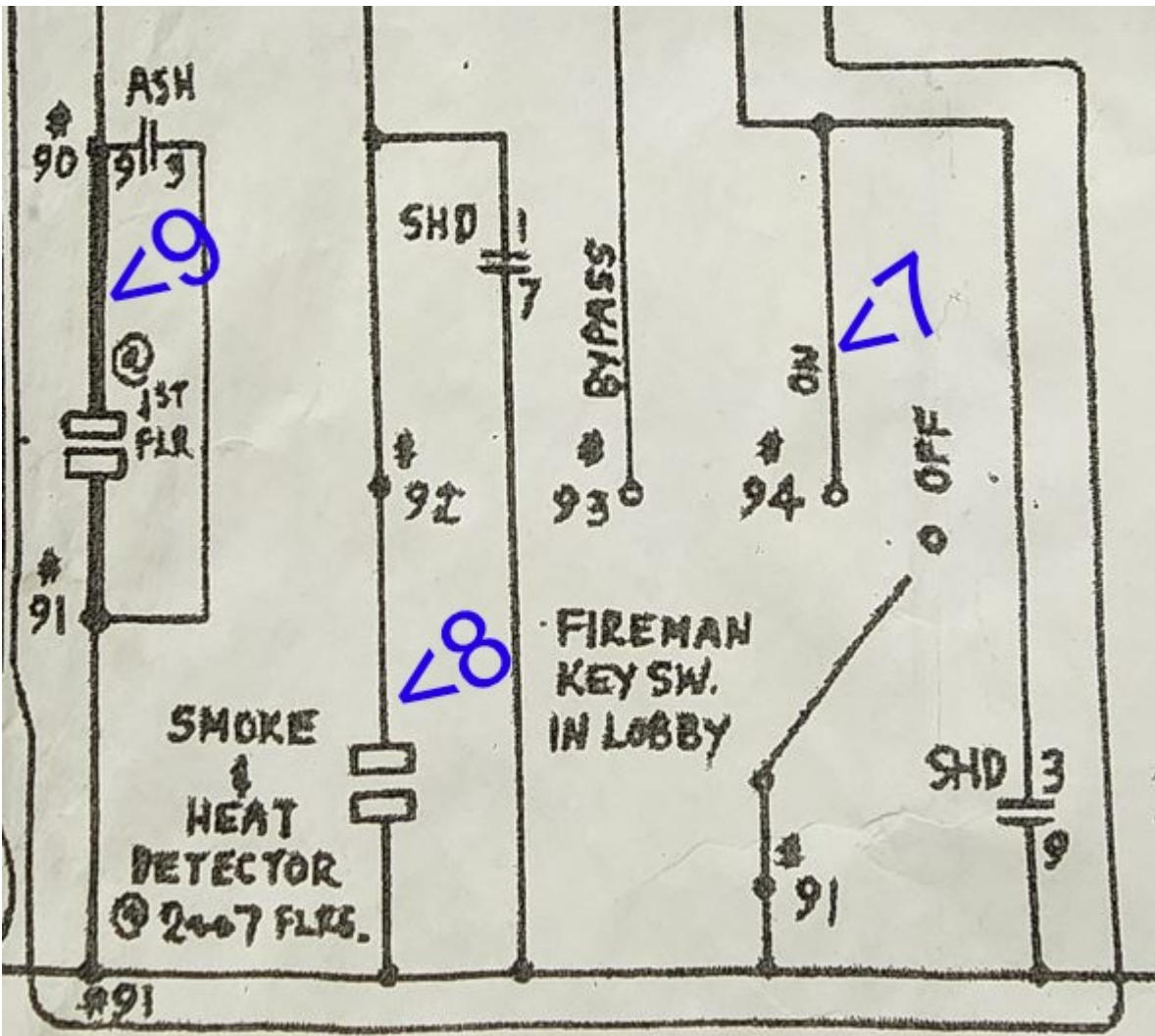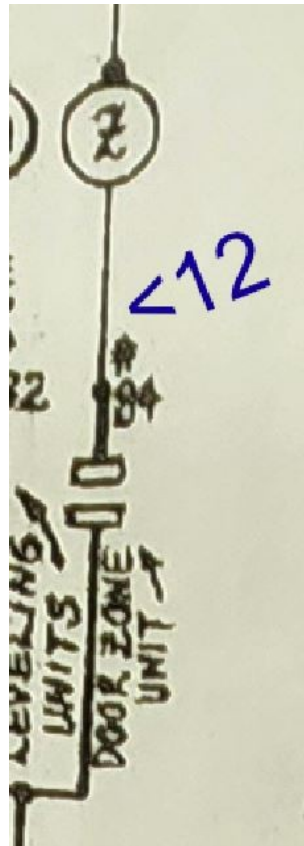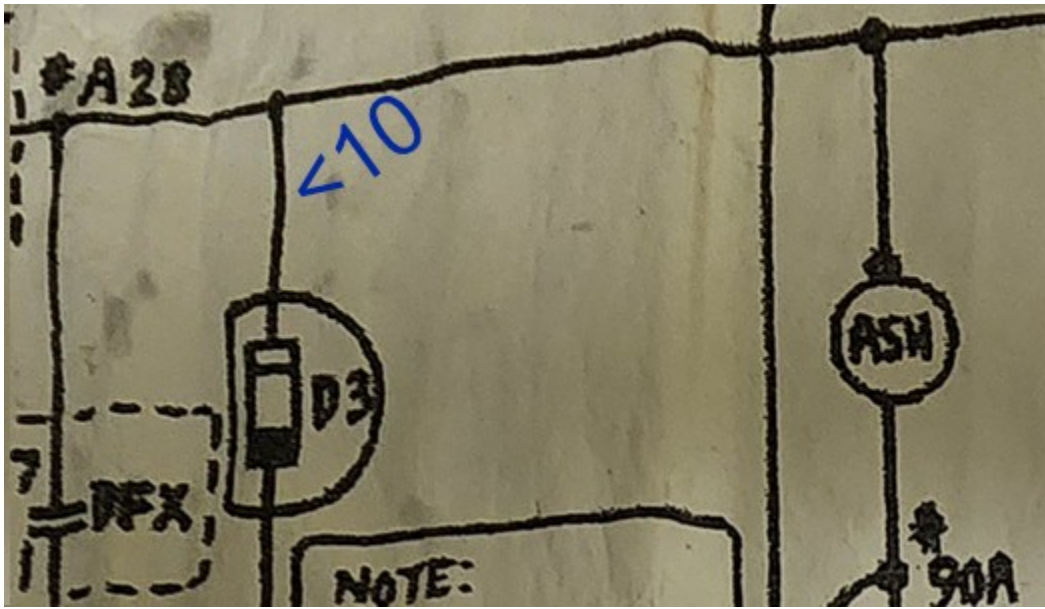| Step	Wire#	Instruction
1		SEE SS RELAY ADD BELOW
2		SEE SS RELAY ADD BELOW
3		Connect to one of the IC KEY STOP terminals on the FS90 Board
4		Connect to remaining IC KEY STOP terminal on the FS90 Board
5		Connect to one CC terminal on FS90 Board
6		Connect to remaining CC terminal on FS90 Board
7		Connect to KEY/HAT terminal on FS90 board
8		Connect to DET1 terminal on FS90 board
9		Connect to DET2 terminal on FS90 board
10		Connect to HEKCOM and SMKCOM on FS90 Board
11		Connect PHIISIG terminal on FS90 board
12		Connect to DZSIG on FS90 Board
13		Place wire between FM_KEYSTP_FD and FMP_KEYSTP_RT terms on FS90 board
14		*All NO/NC jumpers on NO. All INT/EXT jumpers on INT
15		Connect to PWRRT on FS90 Board
16		Connect PWRFD on FS90 Board

<mark>NOTE:</mark>
* 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 example below.
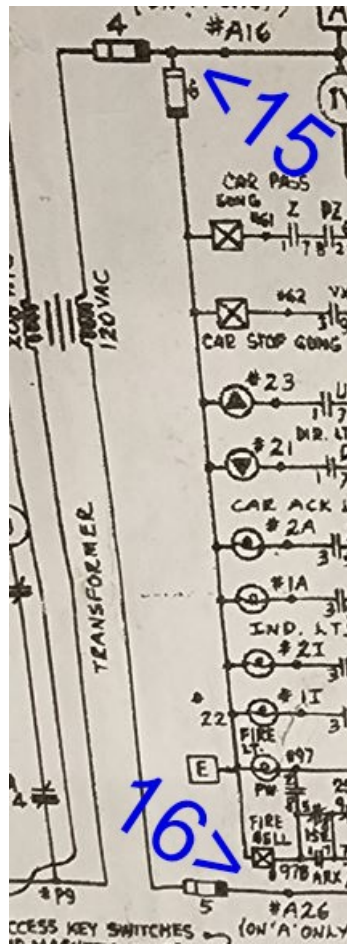
See SS Relay Add below

ASH

#90 91 3
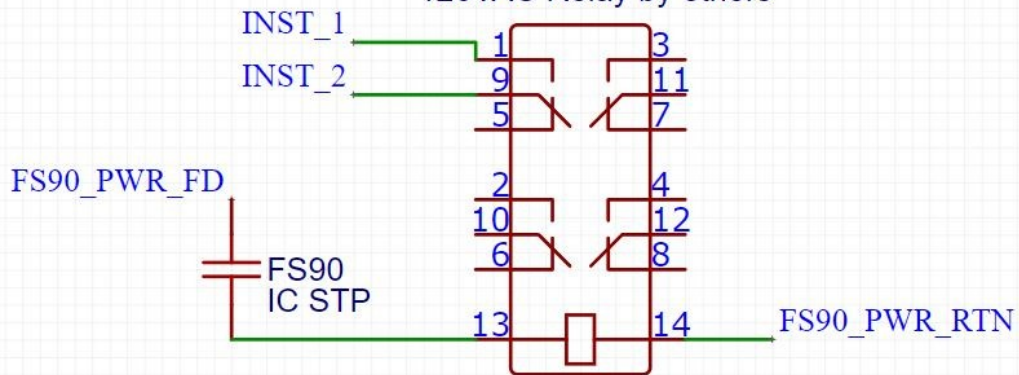
ⵦ9

@ 1ST FLR

#91

SMOKE & HEAT DETECTOR @ 2 to 7 FLRS.

#91

SHD 1 7

#92

ⵦ8

BYPASS

#93 ○

FIREMAN KEY SW. IN LOBBY

ⵦ7

ON

#94 ○

○ OFF

#91

SHD 3 9

#A28

<10

D3

NFX

ASH

NOTE:

#90A

Z

<12

32 #04

LEVELING UNITS

DOOR ZONE UNIT

STOP_SW_RELAY_ADD
120VAC Relay by others

INST_1
INST_2

FS90_PWR_FD

FS90
IC STP

FS90_PWR_RTN

CAR_CALL_RELAY_ADD
120VAC RELAY BY OTHERS

CAR_BUTTON_FEED

CAR_BUTTON_FEED

FS90_PWR_FD

FS90
CC

1
9
5
3
11
7

2
10
6
4
12
8

13
14   FS90_PWR_RTN