

#### Address Entry:

Input:  
Enter 4 digit address on keypad  
Press E to continue/other keys cancel & restart

Output:  
16 bit address selected in R9

Changes:  
RC (8195 on return)/RA.0/R6/RE.0/RF.0/R9 (contains address)

Calls:  
Display digit, ROM Key Scan

#### Signal User (Pass 1 or 2 choice)

Input:  
None

Output:  
6 short warning beeps

Changes:  
RF, R8 (for tone & timer)

Calls:  
No sub routines

#### Tape Read/Write

Input:  
Preset RE.0 to # of pages  
After the Call address, have ready:  
1) Start address - A.1; A.0 - 2 bytes  
2) C2=Read/91=Write - indicator byte - 1 byte

Output:  
Reads or Writes as many pages to or from memory as indicated

Changes:  
R6; R4 (but resets R4)

Calls:  
ROM Read/Write via R3

#### Symbol Table Manager:

Input:  
RD points to symbol table @ free location  
RA points to label in source listing  
R9 = address counter (unchanged!)

Output:  
Label & address stored in table - error #3= table overflow

Changes:  
RF.0/RA (points to byte before Chip-8 Instruction)  
RD (points to next free space in symbol table)  
RE.0 only upon error message call

Calls:  
Error Message