```
044A   6E00    VE=00 (Utility loop counter and "I" indexer)
  4C   A4E2    I=storage array for address
  4E   FE1E    I=I+VE (Indexes "I")
  50   F065    Load V0 with byte at "I"
  52   F029    I=pattern for V0 (address digit)
  54   D895    Display @ V8, V9
  56   7805    V8+05 for next digit
  58   7E01    VE+01 (Loop count +01)
  5A   3E04    Skip VE=04 (Done?)
  5C   144C    No:  Loop until done.
  5E   681C    V8=1C (reset X coordinate)
  60   6927    V9=27 (reset Y coordinate)
  62   00EE    Return
```

DEPOSIT GRID CONTENTS IN MEMORY

```
0464   243C    Do subroutine (erase old code)
  66   0557    Do machine language subroutine - deposit sample
                  character in memory
  68   23B6    Do subroutine (clear grid)
  6A   7701    V7+01 (ASCII + 01 - for sequential designing)
  6C   3710    Skip V7≠10 (test for carry)
  6E   1478    Go - no carry
  70   6700    V7=00
  72   7601    V6+01 (add carry to V6)
  74   4608    Skip V6=08 (too high)
  76   6600    V6=00 (resets to ASCII 00 after 7F)
  78   240A    Do subroutine (Display ASCII code and character
                  at address
  7A   600F    V0=0F (set escape flag)
  7C   00EE    Return
```

DISPLAY CHARACTER SET

```
047E   0230    Do machine language subroutine (erase display pages)
  80   0581    Do machine language subroutine (display character
                  set)
  82   F00A    V0=key pressed.  Wait for key
  84   300C    Skip V0=0C
  86   1482    Loop until key "C" is pressed
  88   F00A    V0=key pressed.  Wait for instruction
  8A   4001    Skip V0 ≠ 01   (Key 1?)
  8C   149C    Go exit.  Key 01 resets to Mode One (design)
  8E   300E    Skip V0=0E (first half of erase function)
  90   1488    Loop for proper key sequence
  92   6F70    VF=70
  94   FF18    Sound warning tone for VF
  96   F00A    V0=key pressed.  Wait for instructions
  98   400A    Skip V0 ≠ 0A (Fail-safe from accidental erasure)
  9A   0547    Do machine language subroutine (erase character
                  set)
  9C   237E    Do subroutine (reset to Mode One - design)
  9E   600F    V0=0F (set escape flag)
  A0   00EE    Return
```