

APPENDIX R

DISK LAYOUT-HARDDRIVE MFM ONLY

The following information is based on a 20meg drive.

SECTOR >00 Volume Information Block VIB

ADDRESS CONTENTS

0000-0009	Disk volume name
000A-000B	Total number of allocation units
000C	Sectors per track
000D	Number of DIR entries*64
000E	Step rate of drive
000F	Reduced write current cyl*8
0010-0011	Hard disk parameters
	1 2 3
	binary format xxxx xxxx x xxx xxxx
	1. Sectors/AU
	This is the number of sectors per allocation unit -1
	2. Number of heads
	This is the number of heads -1
	3. Write precompensation cyl*16
0012-0015	Time and date drive formatted
0016	The number of files in the root directory
0017	The number of sub-directories in the root directory
0018-0019	Pointer to the root directory index record(20meg=>20)
001A-001B	Pointer to the DSK1 emulation descriptor record
001C-	Sector pointers to sub-directories in root directory up to a max of 114 sub-directories. Each word(>xxxx)*AU=actual sector location

SECTOR >20 Root Directory Descriptor Record

0000-0017	This information follows the same format as sector >00
0018-0019	This points to the sector location of the Link Map of files in root directory To find actual sector multiply this value by number of Allocation Units per sector i.e 20meg (>0020*2=>0040)

SECTOR >40 Link Map(Index) of files in root directory(20 meg drive)

The 2 byte values are the sectors of the files in the root directory
Each value must be multiplied by Allocation Units per sector