Dysan® CORPORATION
CE Division 1244 Reamwood Avenue, Sunnyvale, California 94089-2225 · (408) 734-1624 · FAX: (408) 774-0249 · Telex 750117 Dysan CE

DYSAN 3 1/2" DDD --- 135 TPI
(300 RPM or 600 RPM)

DISKETTE MODEL NUMBER

305-200 One sided, Double density (16 sectors/256 bytes)
305-400 Two sided, Double density (16 sectors/256 bytes)

FORMAT: Side "0" and Side "1"

Track 0 ------ Index Format and Progressive Offset
Track 3 ---------- Timing Track
Track 6 ---------- Progressive Offset
Track 12 thru 23 ------- User Area
Track 32 ---------- Progressive Offset
Track 40 ---------- Progressive Offset
Track 44 ---------- Alternate Offset (1)
Track 47 ---------- Alternate Offset (2)
Track 50 ---------- Alternate Offset (3)
Track 67 ---------- Progressive Offset
Track 69 ---- Index Format and Progressive Offset
Track 74 ---------- Timing Track
Track 79 ---- Index Format and Progressive Offset

INDEX FORMAT:
Special Format used to obtain an index mark:
Double density - 20 bytes (field occupied with 4E)

PROGRESSIVE OFFSET:
Tracks are written with track and sector ID fields on track centerline. Data fields are radially displaced from the track centerline as shown below. Positive values indicate an offset toward the spindle, negative values indicate away from the spindle.

Sector number	Offset in milli-inches
1	+1.0
2	-1.0
3	+1.5
4	-1.5
5	+2.0
6	-2.0
7	+2.5
8	-2.5
9	+3.0
10	-3.0
11	+3.5
12	-3.5
13	+4.0
14	-4.0
15	+4.5
16	-4.5

TIMING TRACK:

This track is used to check the head load timing of the drive. The first sector ID header (#1) occurs 1 ms at 300 RPM (or .5 ms at 600 RPM) after index and at 1 ms increments thereafter.

USER AREA:

This is memory space alloted for user programs.

ALTERNATE OFFSET (1):

All odd sectors are written offset +2.5 milli-inches.
All even sectors are written offset -2.5 milli-inches.

ALTERNATE OFFSET (2):

All odd sectors are written offset +3.0 milli-inches.
All even sectors are written offset -3.0 milli-inches.

ALTERNATE OFFSET (3):

All odd sectors are written offset +3.5 milli-inches.
All even sectors are written offset -3.5 milli-inches.

ectors 1 and 2 of all recorded tracks except the Timing Tracks are recorded with the diskette revision, serial number, part number, format type, tracks per inch, bytes per sector, and number of sides. Also there is a block identifying track locations and functions along with the range of increment of each track. This information appears as follows:

```
(DY305-200 A) 000XX MFM 135 256 1[PO-0,6,32,40,67,69,79/1,16/1.0/0.5
   :       :   :   :   :   :  :: : :                    : :  :   :
   :       :   :   :   :   :  :: : :                    : :  :   Increment
   :       :   :   :   :   :  :: : :                    : :  : (milli-inches)
   :       :   :   :   :   :  :: : :                    : :  Starting Offset
   :       :   :   :   :   :  :: : :                    : :  (milli-inches)
   :       :   :   :   :   :  :: : :                    : Last Sector
   :       :   :   :   :   :  :: : :                   First Sector
   :       :   :   :   :   :  :: : Track Locations
   :       :   :   :   :   :  :: Track Function (Progressive Offset)
   :       :   :   :   :   :  :Starts Parameter Block
   :       :   :   :   :   :  Number of sides (1 or 2)
   :       :   :   :   :  Bytes per Sector
   :       :   :   :  Tracks per Inch
   :       :   :  Format Encoding
   :       :  Diskette Serial Number
   :      Diskette Revision
  Diskette Model Number


IF-0,69,79TT-3,74/1.0AO-44,47,50/1,16/2.5/0.5]
 :   :   :  :  :  :  :     :  :  :  : :
 :   :   :  :  :  :  :     :  :  :  : End Parameter Block
 :   :   :  :  :  :  :     :  :  :  Increment (milli-inches)
 :   :   :  :  :  :  :     :  :  Starting Offset (milli-inches)
 :   :   :  :  :  :  :     :  Last Sector
 :   :   :  :  :  :  :    First Sector
 :   :   :  :  :  :  Track Locations
 :   :   :  :  :  Track Function (Alternate Offset)
 :   :   :  :  Increment (milliseconds)
 :   :   :  Track Locations
 :   :   Track Function (Timing Track)
 :   Track Locations
 Track Function (Index Format)
```

As shown above in the example, a (/) is an operator that delimits a parameter within a function and a (,) is a delimitor within the parameter.