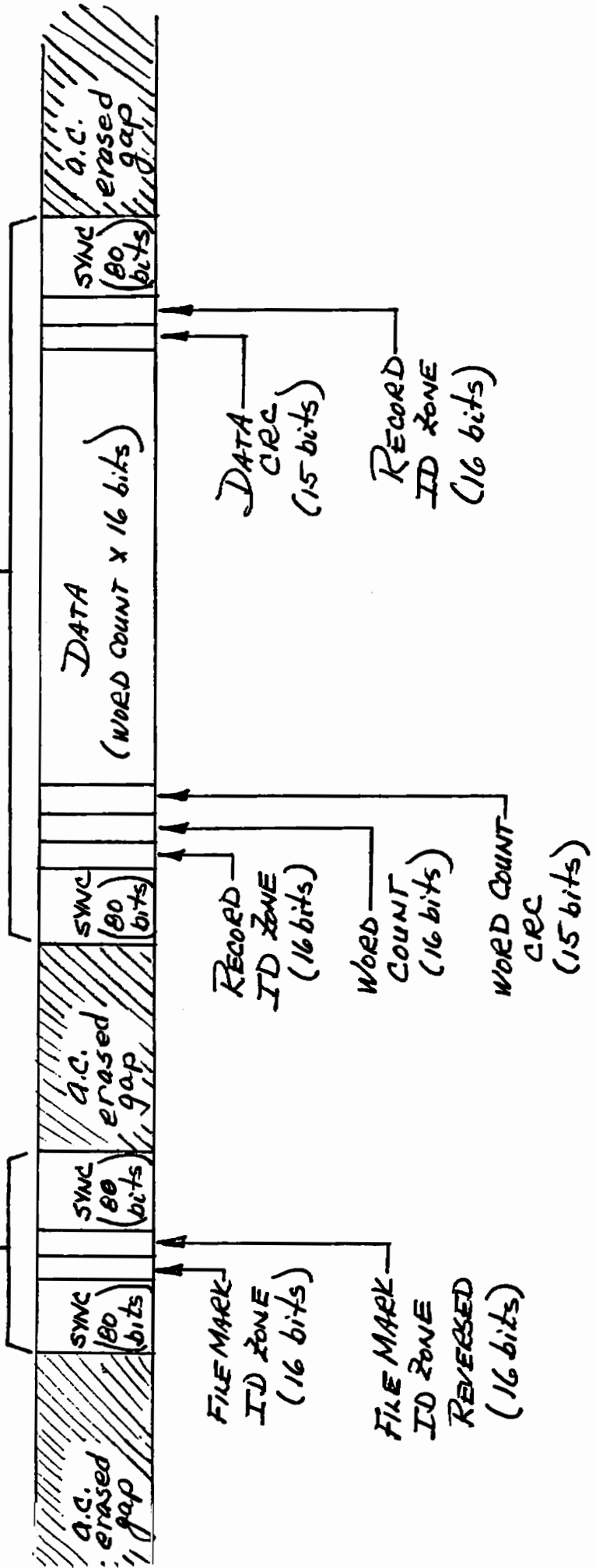


"FORWARD" DIRECTION OF TAPE MOTION

RECORD

FILE MARK



FILE MARK ID ZONE:  $1011\ 0101\ 1111\ 1111_2 = B5FF_{16}$

RECORD ID ZONE:  $1100\ 1101\ 1111\ 1111_2 = CDFE_{16}$

ID ZONES, WORD COUNT, WORD COUNT CRC, DATA & DATA CRC ARE WRITTEN LOW ORDER BIT FIRST

SYNC ZONE: CONTINUOUS ZEROS

### Format for a GCR data block:

#bytes

|   |  |   |                                 |
|---|--|---|---------------------------------|
| 8 | SYNC ZONE                              | } | one of these<br>length = .0127" |
| 1 | Framing character / Blockette header A |   |                                 |
| 2 | Byte Count                             |   |                                 |
| 2 | Byte Count inverted                    |   |                                 |

|     |  |   |   |
|-----|--|---|---|
| 8   | SYNC ZONE                              | } | 0 ≤ N ≤ 256<br>there are N/2 of these<br>length = .5234" each |
| 1   | Framing character / Blockette header B |   |   |
| 1   | Blockette number: N-1.....5,3,1        |   |   |
| 256 | 256 bytes of data                      |   |   |
| 2   | CRC                                    |   |   |
| 8   | SYNC ZONE                              |   |   |
| 1   | Framing character / Blockette header B |   |   |
| 1   | Blockette number: N-2.....4,2,0        |   |   |
| 256 | 256 bytes of data                      |   |   |
| 2   | CRC                                    |   |   |

|     |  |   |                                 |
|-----|--|---|---------------------------------|
| 8   | SYNC ZONE                              | } | one of these<br>length = .5234" |
| 1   | Framing character / Blockette header C |   |                                 |
| 1   | Blockette number: 1                    |   |                                 |
| 256 | 256 bytes of XOR                       |   |                                 |
| 2   | CRC                                    |   |                                 |
| 8   | SYNC ZONE                              |   |                                 |
| 1   | Framing character / Blockette header C |   |                                 |
| 1   | Blockette number: 0                    |   |                                 |

|   |   |   |                                 |
|---|---|---|---------------------------------|
| 2 | Byte Count inverted & reversed                | } | one of these<br>length = .0127" |
| 2 | Byte Count reversed                           |   |                                 |
| 1 | Framing character / Blockette header reversed |   |                                 |
| 8 | SYNC ZONE                                     |   |                                 |

### Format for a GCR filemark:

#bytes

|   |   |
|---|---|
| 8 | Sync Zone                                       |
| 1 | framing character / Blockette header F          |
| 1 | framing character / Blockette header F reversed |
| 8 | Sync Zone                                       |

