

|           |      |               |     |         |            |   |
|-----------|------|---------------|-----|---------|------------|---|
| Revisions |      |               |     | 216644  |            | A |
| LAL       | Rev. | Description   | Chk | Date    | Approved   |   |
|           | A    | ENGRG RELEASE | RF  | 11-4-77 | R. Freeman |   |

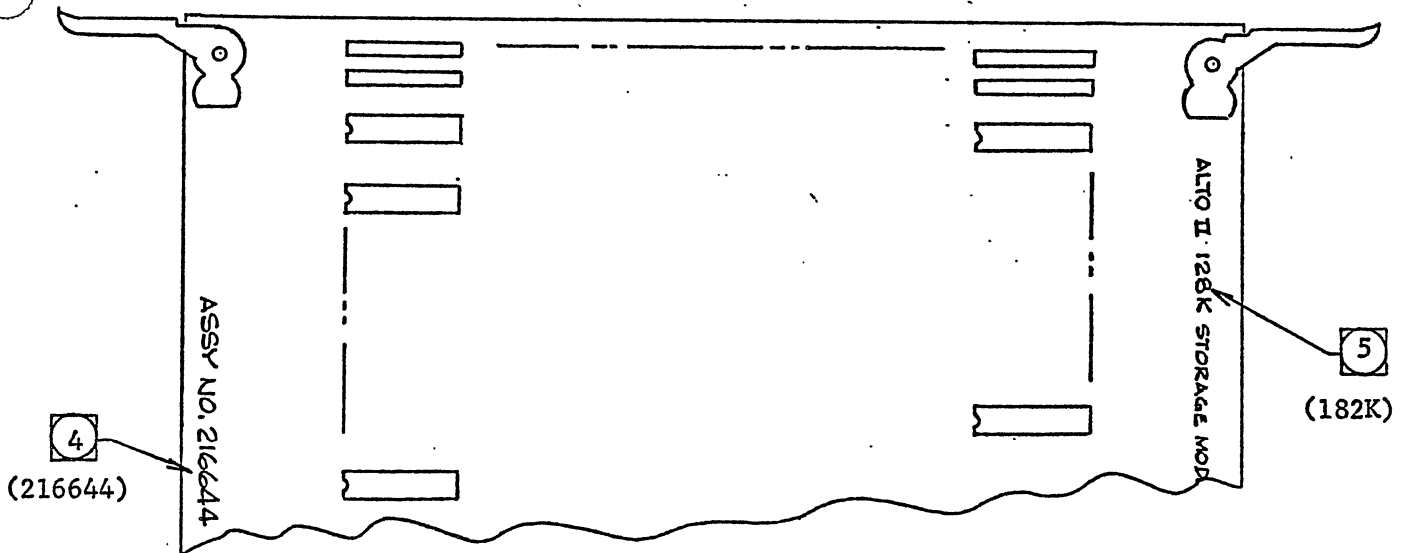


Dist Code ALT

|   |  |                                 |   |                 |                 |  |
|---|--|---------------------------------|---|-----------------|-----------------|--|
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|   | <p>1. Tolerances<br/>.XX ±.03      Angular ±½°<br/>.XXX ±.010</p> <p>2. Break All Sharp Edges<br/>.010 Approx.</p> <p>3. Mach. Surfaces <input checked="" type="checkbox"/></p> <p>4. All Dim. in Inches</p> | Check                           | Title                                       |                 |                 |  |
|   |  | Appr. <i>R. Freeman</i> 11-4-77 | ASSEMBLY, PRINTED WIRING-                   |                 |                 |  |
|   |  | Material                        | <i>XM</i> 128K STORAGE MODULE               |                 |                 |  |
| Model No. First Use ALTO II   | Finish   | Code Ident. 18338               | Size A                                      | Dwg. No. 216644 | Change Letter A |  |
| Next Assy. First Use 216647   |  | Scale -                         | Do Not Scale Drawing                        |                 | Sheet 1 OF 4    |  |

NOTES: UNLESS OTHERWISE SPECIFIED

1. MAKE FROM ASSY P.W.-32K x 10 STORAGE MODULE P/N 216273 REV C (ITEM 1).
2. ASSEMBLE PER ALTO II MODULE ASSEMBLY SPECIFICATION, DWG NO. 216207.
3. REMOVE AND RETURN TO STOCK MICROCIRCUIT P/N MK4096 FROM LOCATIONS A11 THRU A50 AND REPLACE WITH MICROCIRCUIT MK4116P-4 (ITEM 2).
4. ERADICATE ASSY NO. "216273", RUBBER STAMP ASSY NO. "216644" .12 HIGH WHITE CHARACTERS.
5. ERADICATE "32K x 10" DESIGNATION, RUBBER STAMP "128K" .12 HIGH , WHITE CHARACTERS.



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Title  
 ASSEMBLY, P.W.-  
 128K STORAGE MODULE

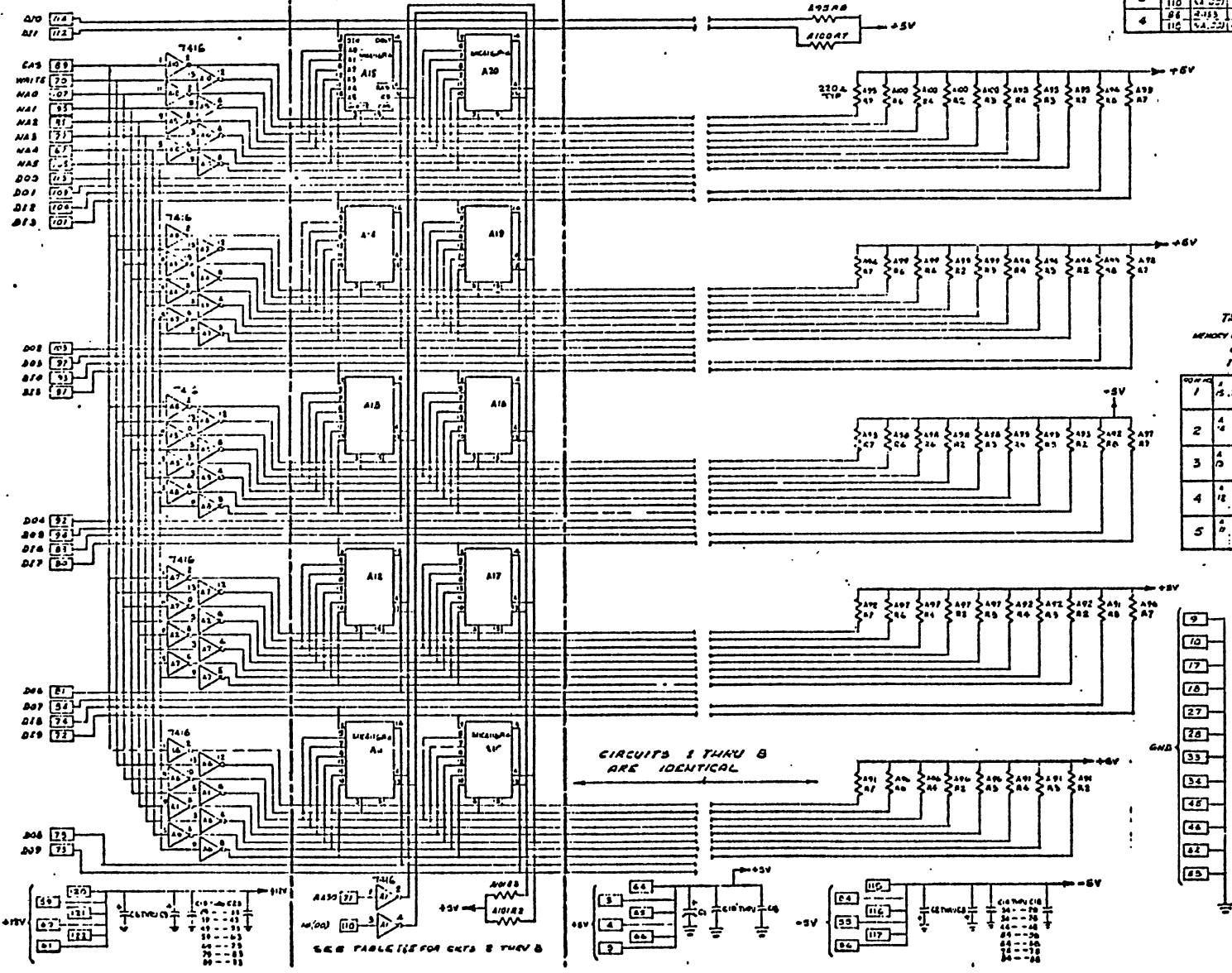
|   |   |              |   |
|---|---|--------------|---|
| Xerox Corporation<br>El Segundo, California |   | <b>XEROX</b> |   |
| 216644                                      |   | A            |   |
| Sheet                                       | 2 | Of           | 4 |



SSL ALTO II  
EXTENDED MEMORY LAYOUT

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|     |                            | BANK 0<br><i>?2</i> <i>?2</i> |                   |      |                 | BANK 1 |                   |      |                 | BANK 2 |                   |      |                 | BANK 3 |                   |      |  |
|-----|----------------------------|-------------------------------|-------------------|------|-----------------|--------|-------------------|------|-----------------|--------|-------------------|------|-----------------|--------|-------------------|------|--|
| BIT | 00000-<br><del>17777</del> |                               | 100000-<br>177777 |      | 00000-<br>77777 |        | 100000-<br>177777 |      | 00000-<br>77777 |        | 100000-<br>177777 |      | 00000-<br>77777 |        | 100000-<br>177777 |      |  |
|     | EVEN                       | ODD                           | EVEN              | ODD  | EVEN            | ODD    | EVEN              | ODD  | EVEN            | ODD    | EVEN              | ODD  | EVEN            | ODD    | EVEN              | ODD  |  |
| 0   | 1-16                       | 1-18                          | 1-26              | 1-28 | 1-36            | 1-38   | 1-46              | 1-48 | 1-56            | 1-58   | 1-66              | 1-68 | 1-76            | 1-78   | 1-86              | 1-88 |  |
| 1   | 2-16                       | 2-18                          | 2-26              | 2-28 | 2-36            | 2-38   | 2-46              | 2-48 | 2-56            | 2-58   | 2-66              | 2-68 | 2-76            | 2-78   | 2-86              | 2-88 |  |
| 2   | 3-16                       | 3-18                          | 3-26              | 3-28 | 3-36            | 3-38   | 3-46              | 3-48 | 3-56            | 3-58   | 3-66              | 3-68 | 3-76            | 3-78   | 3-86              | 3-88 |  |
| 3   | 4-16                       | 4-18                          | 4-26              | 4-28 | 4-36            | 4-38   | 4-46              | 4-48 | 4-56            | 4-58   | 4-66              | 4-68 | 4-76            | 4-78   | 4-86              | 4-88 |  |
| 4   | 1-11                       | 1-13                          | 1-21              | 1-23 | 1-31            | 1-33   | 1-41              | 1-43 | 1-51            | 1-53   | 1-61              | 1-63 | 1-71            | 1-73   | 1-81              | 1-83 |  |
| 5   | 2-11                       | 2-13                          | 2-21              | 2-23 | 2-31            | 2-33   | 2-41              | 2-43 | 2-51            | 2-53   | 2-61              | 2-63 | 2-71            | 2-73   | 2-81              | 2-83 |  |
| 6   | 3-11                       | 3-13                          | 3-21              | 3-23 | 3-31            | 3-33   | 3-41              | 3-43 | 3-51            | 3-53   | 3-61              | 3-63 | 3-71            | 3-73   | 3-81              | 3-83 |  |
| 7   | 4-11                       | 4-13                          | 4-21              | 4-23 | 4-31            | 4-33   | 4-41              | 4-43 | 4-51            | 4-53   | 4-61              | 4-63 | 4-71            | 4-73   | 4-81              | 4-83 |  |
| 8   | 1-17                       | 1-19                          | 1-27              | 1-29 | 1-37            | 1-39   | 1-47              | 1-49 | 1-57            | 1-59   | 1-67              | 1-69 | 1-77            | 1-79   | 1-87              | 1-89 |  |
| 9   | 2-17                       | 2-19                          | 2-27              | 2-29 | 2-37            | 2-39   | 2-47              | 2-49 | 2-57            | 2-59   | 2-67              | 2-69 | 2-77            | 2-79   | 2-87              | 2-89 |  |
| 10  | 3-17                       | 3-19                          | 3-27              | 3-29 | 3-37            | 3-39   | 3-47              | 3-49 | 3-57            | 3-59   | 3-67              | 3-69 | 3-77            | 3-79   | 3-87              | 3-89 |  |
| 11  | 4-17                       | 4-19                          | 4-27              | 4-29 | 4-37            | 4-39   | 4-47              | 4-49 | 4-57            | 4-59   | 4-67              | 4-69 | 4-77            | 4-79   | 4-87              | 4-89 |  |
| 12  | 1-12                       | 1-14                          | 1-22              | 1-24 | 1-32            | 1-34   | 1-42              | 1-44 | 1-52            | 1-54   | 1-62              | 1-64 | 1-72            | 1-74   | 1-82              | 1-84 |  |
| 13  | 2-12                       | 2-14                          | 2-22              | 2-24 | 2-32            | 2-34   | 2-42              | 2-44 | 2-52            | 2-54   | 2-62              | 2-64 | 2-72            | 2-74   | 2-82              | 2-84 |  |
| 14  | 3-12                       | 3-14                          | 3-22              | 3-24 | 3-32            | 3-34   | 3-42              | 3-44 | 3-52            | 3-54   | 3-62              | 3-64 | 3-72            | 3-74   | 3-82              | 3-84 |  |
| 15  | 4-12                       | 4-14                          | 4-22              | 4-24 | 4-32            | 4-34   | 4-42              | 4-44 | 4-52            | 4-54   | 4-62              | 4-64 | 4-72            | 4-74   | 4-82              | 4-84 |  |
|     | BANK 0                     |                               |                   |      | BANK 1          |        |                   |      | BANK 2          |        |                   |      | BANK 3          |        |                   |      |  |
| H0  | 1-20                       | 1-30                          |                   | 1-40 |                 | 1-50   |                   | 1-60 |                 | 1-70   |                   | 1-80 |                 | 1-90   |                   |      |  |
| H1  | 2-20                       | 2-30                          |                   | 2-40 |                 | 2-50   |                   | 2-60 |                 | 2-70   |                   | 2-80 |                 | 2-90   |                   |      |  |
| H2  | 3-20                       | 3-30                          |                   | 3-40 |                 | 3-50   |                   | 3-60 |                 | 3-70   |                   | 3-80 |                 | 3-90   |                   |      |  |
| H3  | 4-20                       | 4-30                          |                   | 4-40 |                 | 4-50   |                   | 4-60 |                 | 4-70   |                   | 4-80 |                 | 4-90   |                   |      |  |
| H4  | 1-15                       | 1-25                          |                   | 1-35 |                 | 1-45   |                   | 1-55 |                 | 1-65   |                   | 1-75 |                 | 1-85   |                   |      |  |
| H5  | 2-15                       | 2-25                          |                   | 2-35 |                 | 2-45   |                   | 2-55 |                 | 2-65   |                   | 2-75 |                 | 2-85   |                   |      |  |
| P   | 3-15                       | 3-25                          |                   | 3-35 |                 | 3-45   |                   | 3-55 |                 | 3-65   |                   | 3-75 |                 | 3-85   |                   |      |  |



**TABLE I**

| CIRCUIT NO. | QTY. | NAME | REF. DESIG. | QTY. | QTY. USED |
|-------------|------|------|-------------|------|-----------|
| 1           | 71   | 2430 | A1          | 1    | 1         |
| 2           | 78   | 2431 | A2          | 1    | 1         |
| 3           | 110  | 2432 | A3          | 1    | 1         |
| 4           | 110  | 2433 | A4          | 1    | 1         |
| 5           | 110  | 2434 | A5          | 1    | 1         |
| 6           | 110  | 2435 | A6          | 1    | 1         |
| 7           | 110  | 2436 | A7          | 1    | 1         |
| 8           | 110  | 2437 | A8          | 1    | 1         |
| 9           | 110  | 2438 | A9          | 1    | 1         |
| 10          | 110  | 2439 | A10         | 1    | 1         |
| 11          | 110  | 2440 | A11         | 1    | 1         |
| 12          | 110  | 2441 | A12         | 1    | 1         |
| 13          | 110  | 2442 | A13         | 1    | 1         |
| 14          | 110  | 2443 | A14         | 1    | 1         |
| 15          | 110  | 2444 | A15         | 1    | 1         |
| 16          | 110  | 2445 | A16         | 1    | 1         |
| 17          | 110  | 2446 | A17         | 1    | 1         |
| 18          | 110  | 2447 | A18         | 1    | 1         |
| 19          | 110  | 2448 | A19         | 1    | 1         |
| 20          | 110  | 2449 | A20         | 1    | 1         |
| 21          | 110  | 2450 | A21         | 1    | 1         |
| 22          | 110  | 2451 | A22         | 1    | 1         |
| 23          | 110  | 2452 | A23         | 1    | 1         |
| 24          | 110  | 2453 | A24         | 1    | 1         |
| 25          | 110  | 2454 | A25         | 1    | 1         |
| 26          | 110  | 2455 | A26         | 1    | 1         |
| 27          | 110  | 2456 | A27         | 1    | 1         |
| 28          | 110  | 2457 | A28         | 1    | 1         |
| 29          | 110  | 2458 | A29         | 1    | 1         |

**TABLE II**  
MEMORY CHIP REF DESIGNATOR  
CIRCUIT NO.

| CIRCUIT NO. | 1    | 2    | 3    | 4    |
|-------------|------|------|------|------|
| 1           | A 1  | A 2  | A 3  | A 4  |
| 2           | A 5  | A 6  | A 7  | A 8  |
| 3           | A 9  | A 10 | A 11 | A 12 |
| 4           | A 13 | A 14 | A 15 | A 16 |
| 5           | A 17 | A 18 | A 19 | A 20 |

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**XEROX**

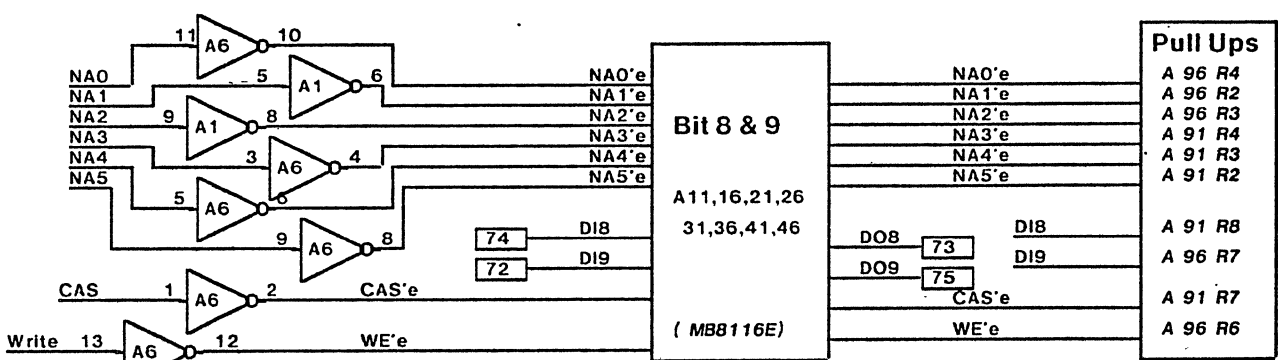
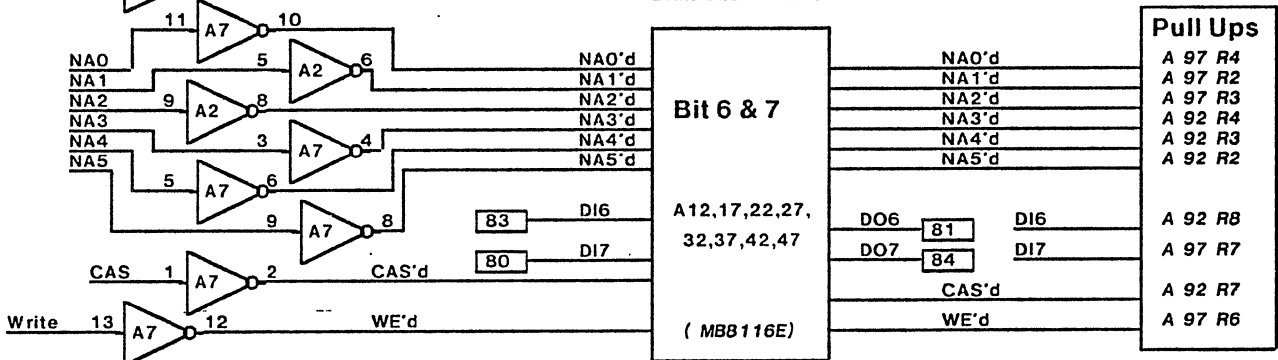
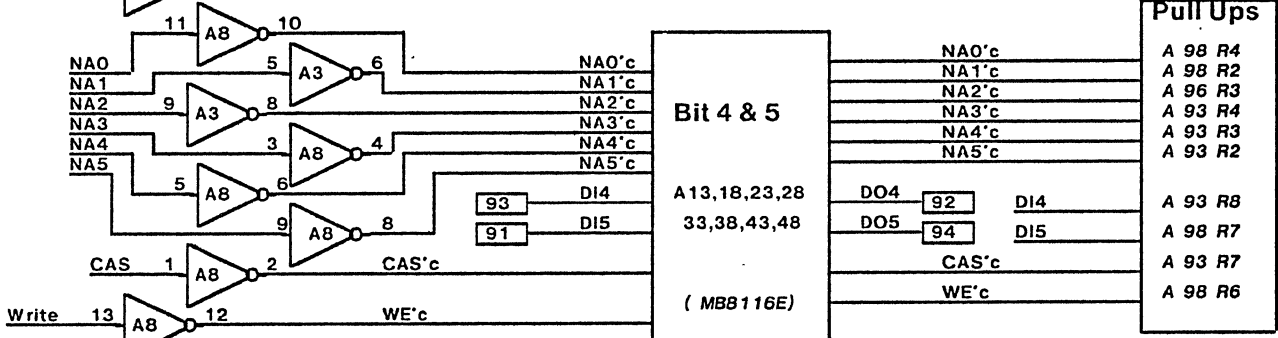
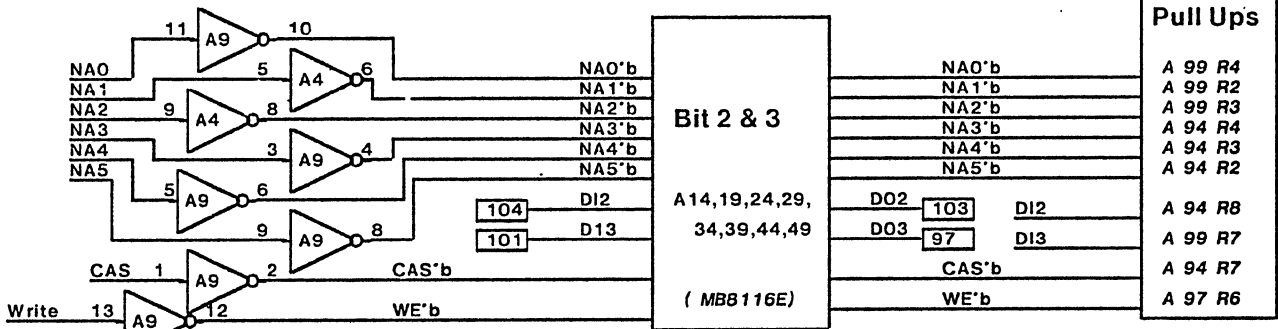
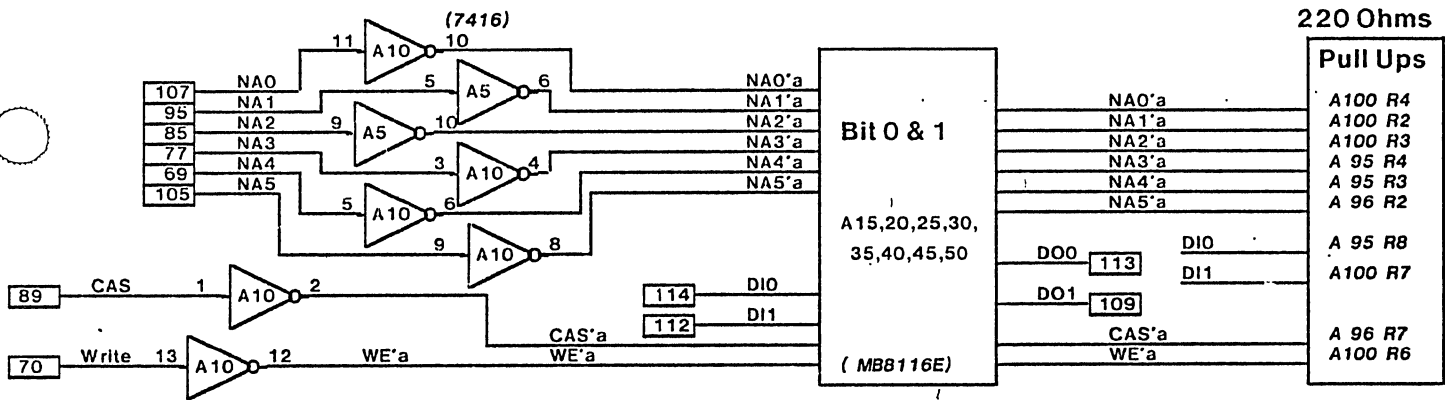
Xerox Corporation  
El Segundo, California

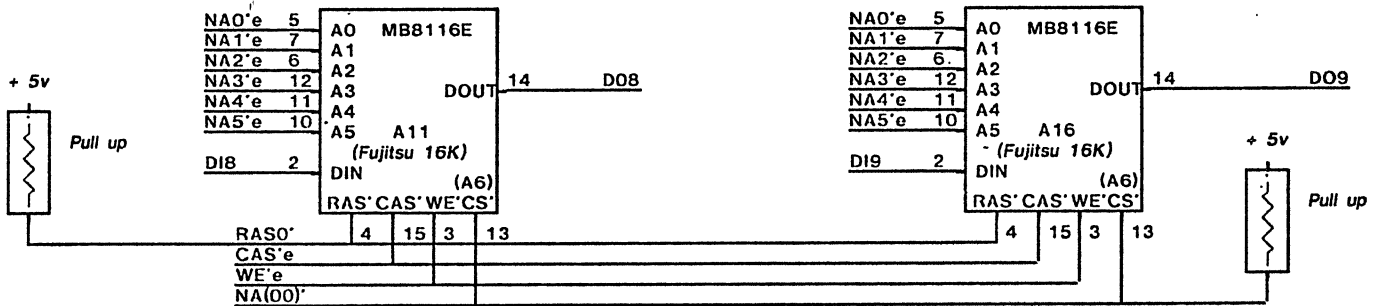
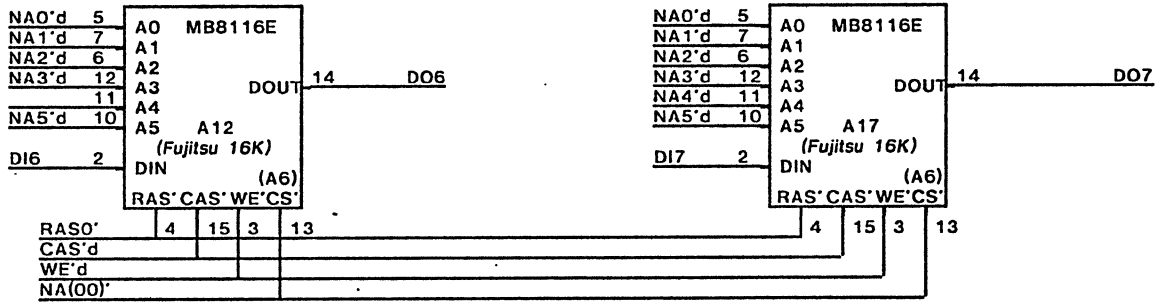
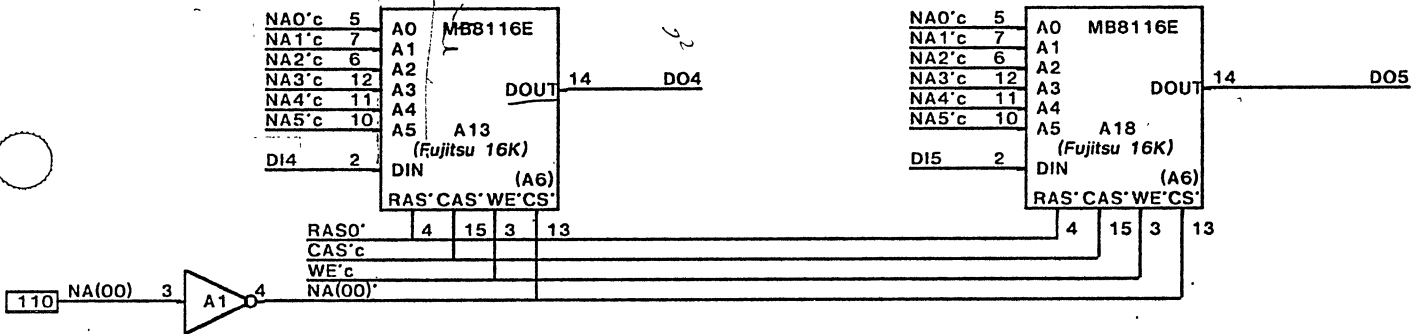
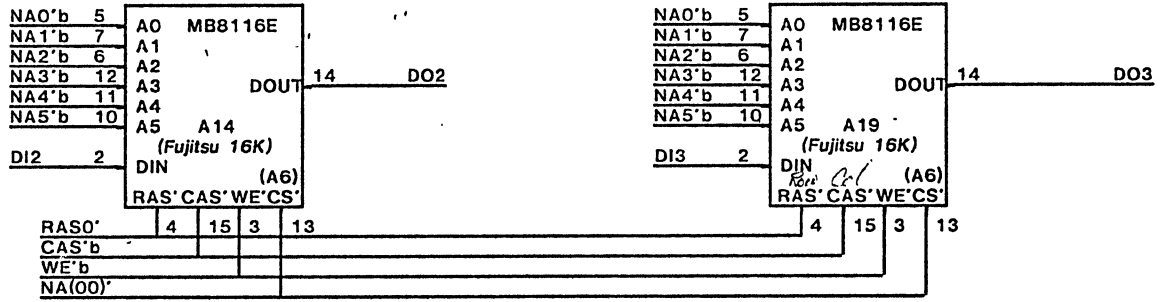
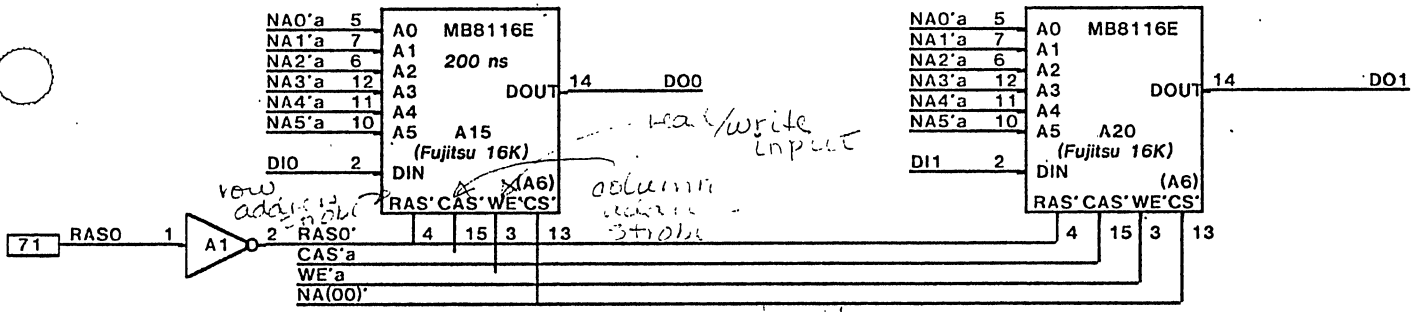
A

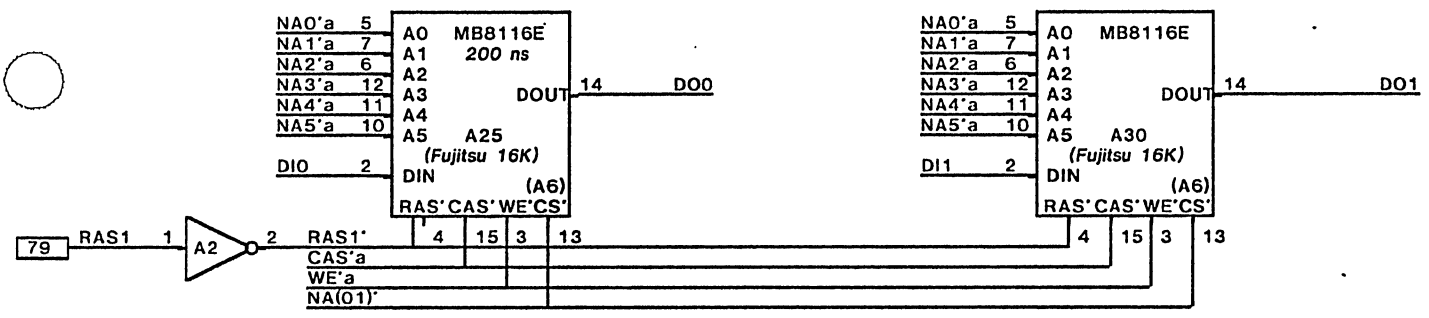
216644

Sheet 3 of 4

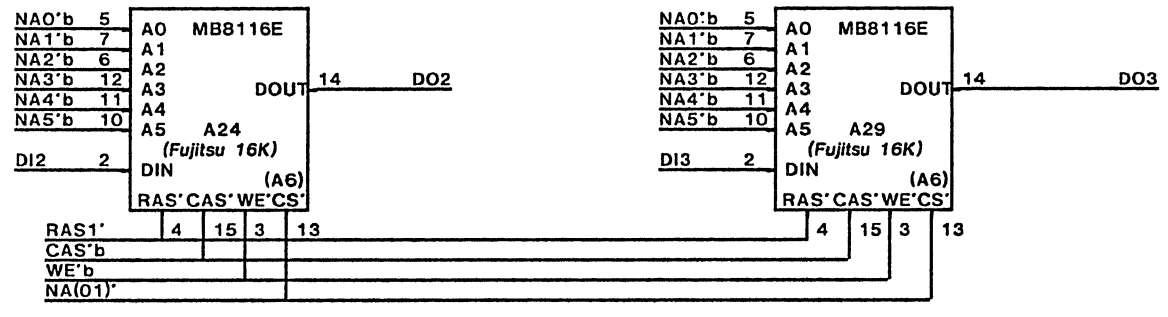
Title  
ASSEMBLY, P.W. -  
128K STORAGE MODULE



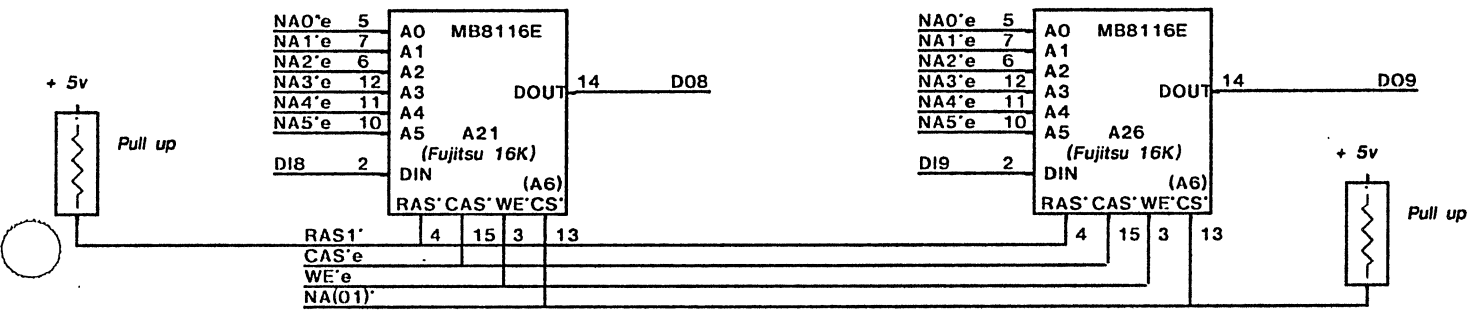
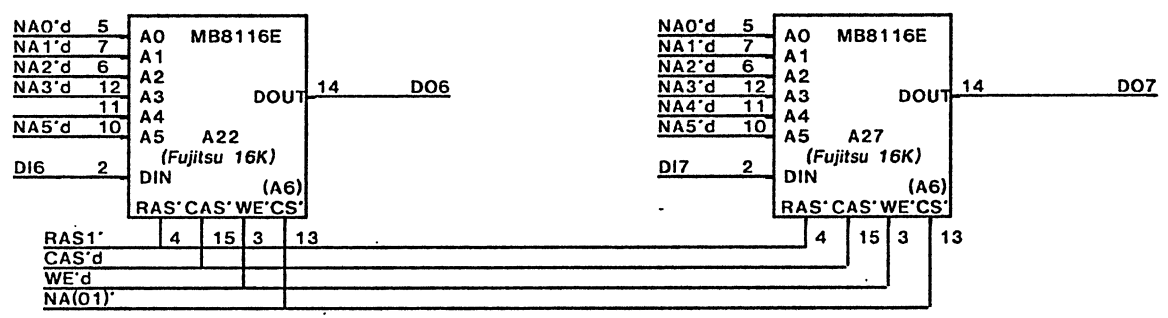
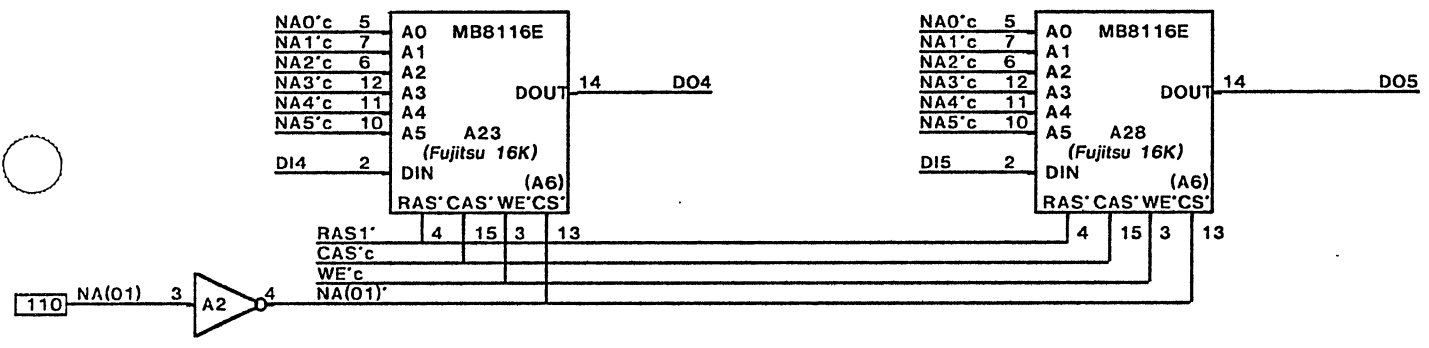




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|              |               |  |                     |                     |           |                 |           |
|--------------|---------------|--|---------------------|---------------------|-----------|-----------------|-----------|
| XEROX<br>CSL | Project<br>XM | Altoll Expanded Memory<br>128K Ckt # 2 | File<br>AltoXM3.sil | Drawing<br>Sosinski | Rev<br>Ba | Date<br>9/18/78 | Page<br>3 |
|--------------|---------------|--|---------------------|---------------------|-----------|-----------------|-----------|



