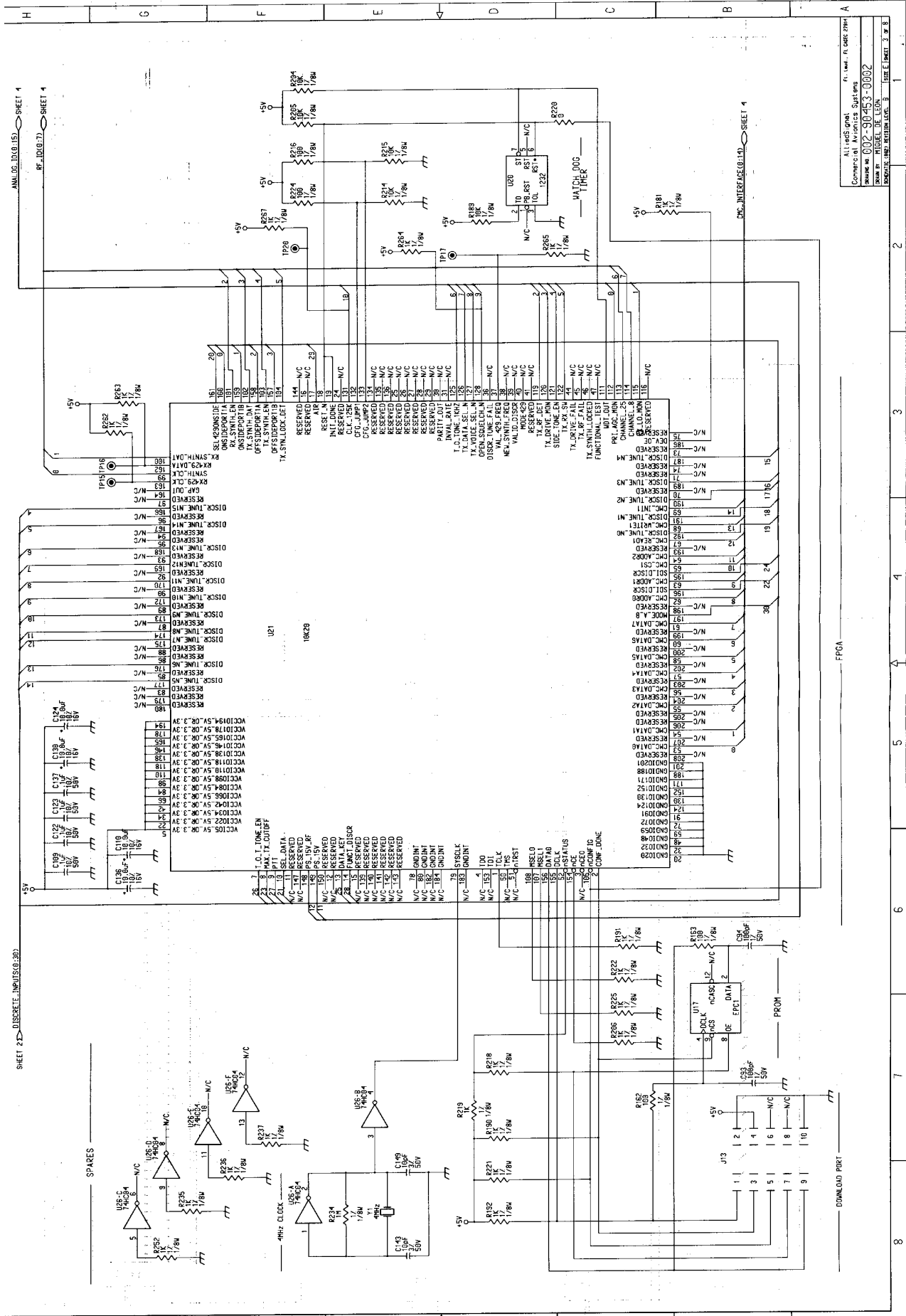


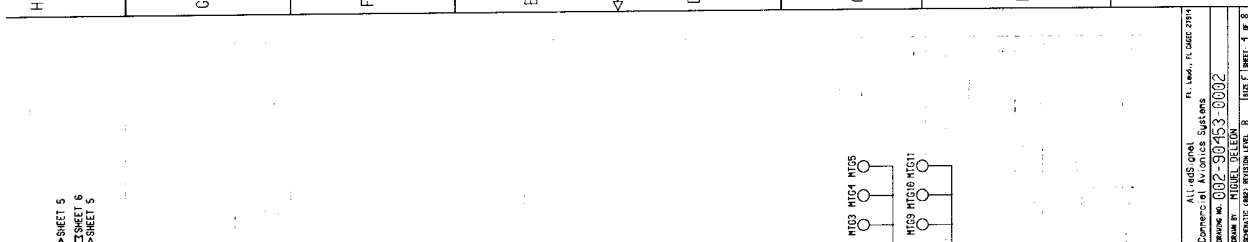


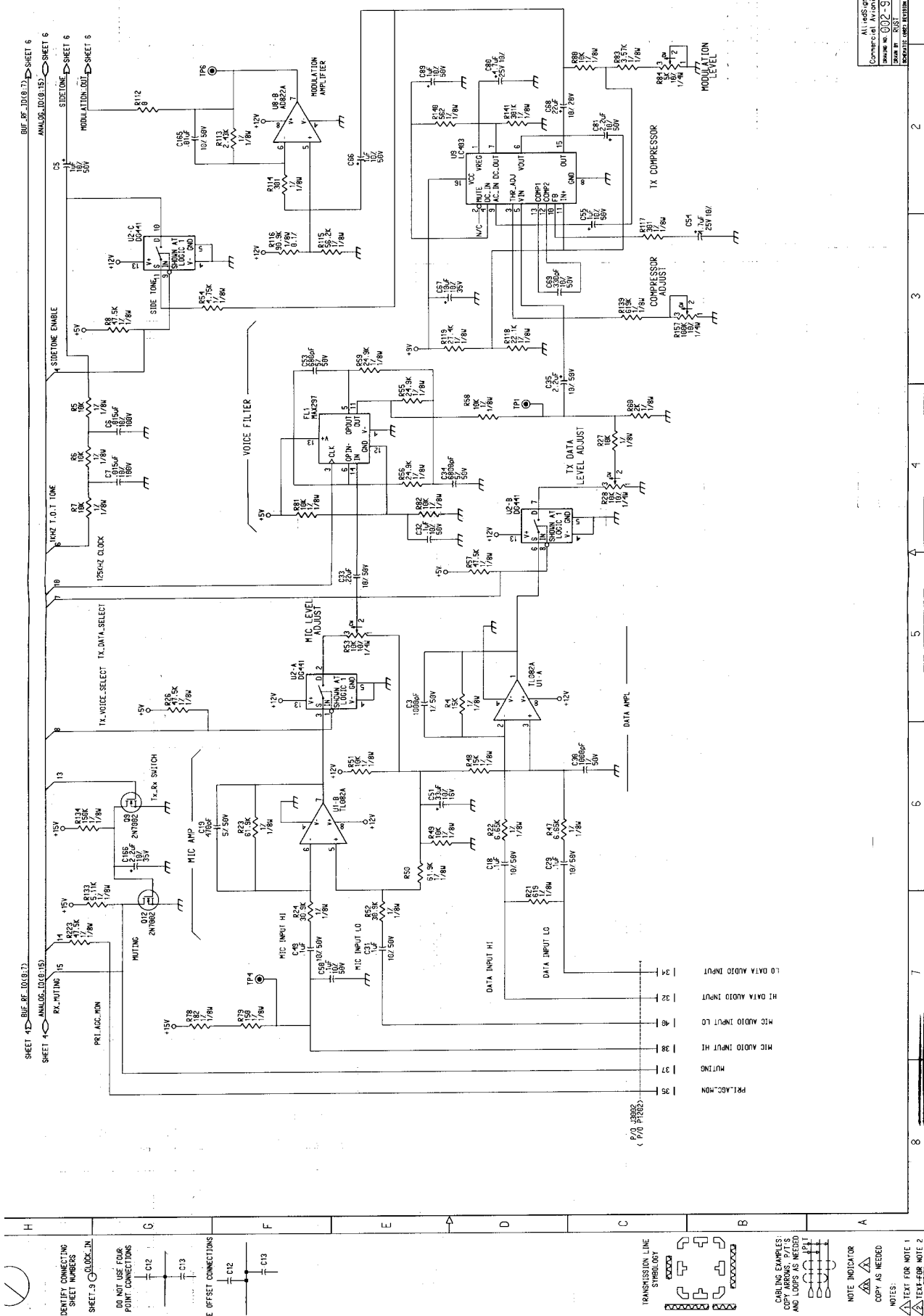


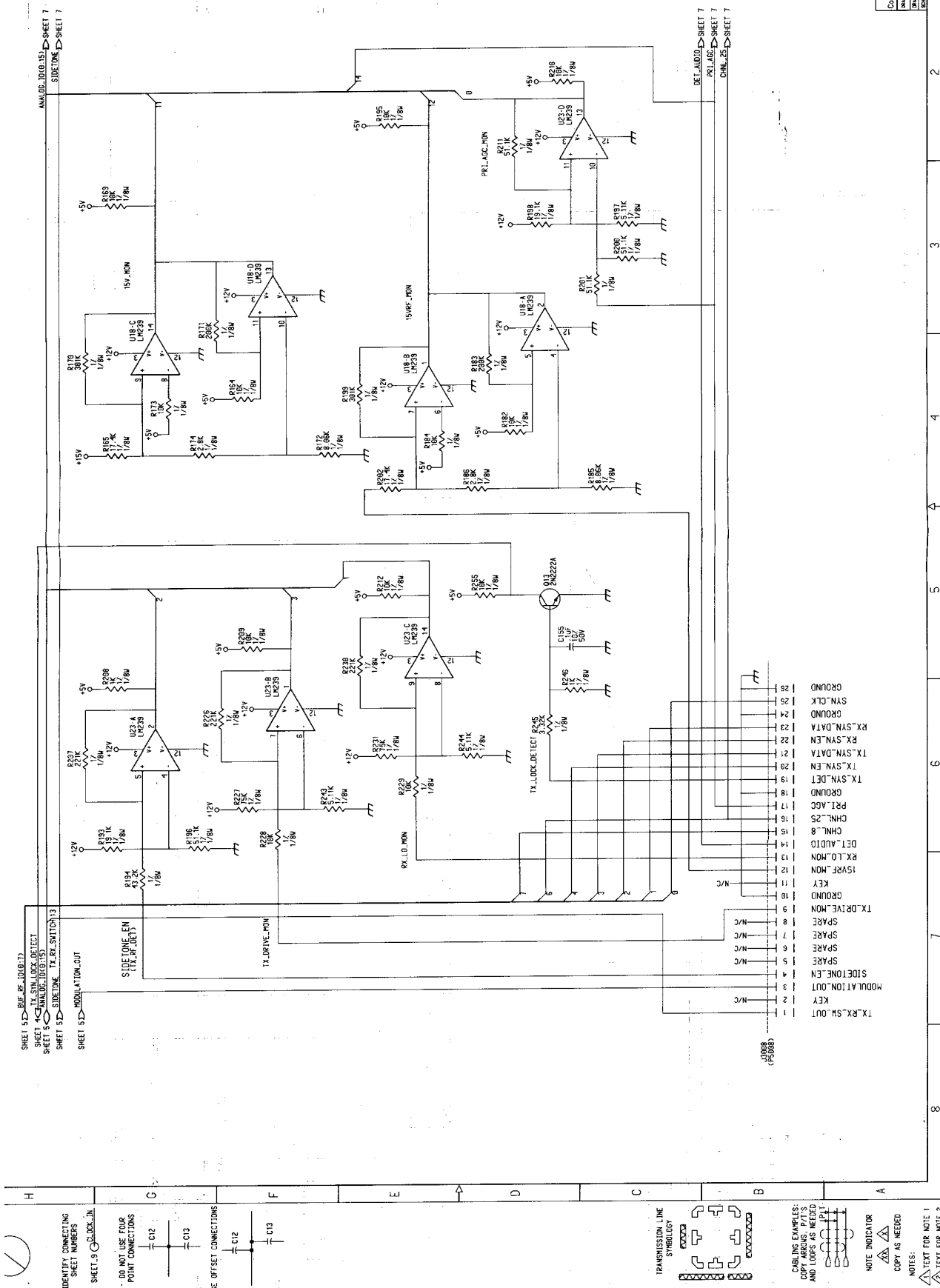
All test points  
 Commercial Avionics Systems  
 DRAWN BY: MICHAEL DE LEON  
 CHECKED BY: MICHAEL DE LEON  
 DATE: 11/17/98



IDENTIFY CONNECTING SHEET NUMBERS  
 DO NOT USE FOUR POINT CONNECTIONS  
 USE OFFSET CONNECTIONS  
 TRANSMISSION LINE SYMBOLS  
 CARLING EXAMPLES COPY AS NEEDED AND LOGS AS NEEDED  
 NOTE INDICATOR COPY AS NEEDED  
 NOTES:  
 TEXT FOR NOTE 1  
 TEXT FOR NOTE 2



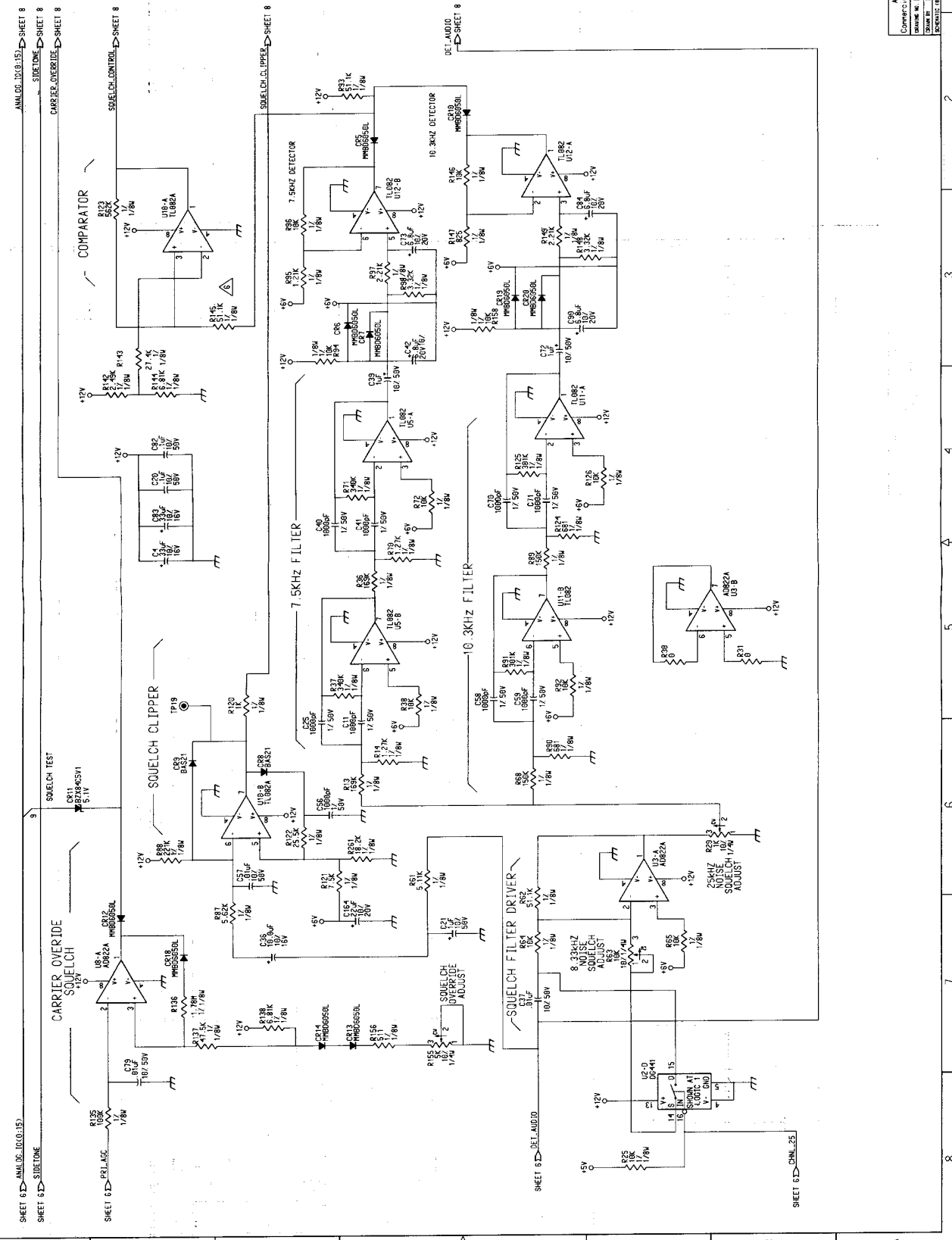




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 DRAWING NO. 002-90453-0002  
 DRAWN BY: BART GILLOREY  
 CHECKED BY: JIMMY L. BROWN  
 DATE: 11/17/98

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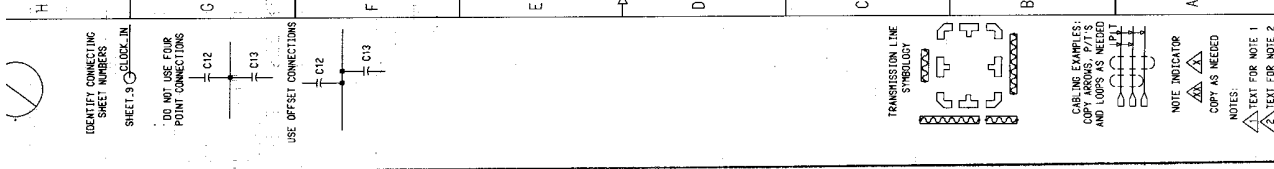
Monitor Version  
 Ed: LK RJ  
 JUN 4, 1998, 11:39:24 am  
 Last Edit



IDENTIFY CONNECTING SHEET NUMBERS  
 SHEET 1: ANALOG, 10.0, 15.5  
 SHEET 2: SIDE TONE  
 SHEET 3: CARRIER OVERRIDE  
 SHEET 4: SQUELCH CONTROL  
 SHEET 5: SQUELCH CLIPPER  
 SHEET 6: SQUELCH FILTER  
 SHEET 7: SQUELCH FILTER DRIVER  
 SHEET 8: DET. AUDIO

DO NOT USE FOUR POINT CONNECTIONS  
 C12  
 C13  
 USE OFFSET CONNECTIONS

TRANSMISSION LINE SYMBOLS  
 NOTE INDICATOR  
 COPY AS NEEDED  
 NOTES:  
 TEXT FOR NOTE 1  
 TEXT FOR NOTE 2





IDENTIFY CONNECTING  
SHEET NUMBERS

SKET 1.9 C LOCK IN

DO NOT USE FOUR  
POINT CONNECTING

C12

C13

USE OFFSET CONNECTIONS

C12

C13

TRANSMISSION LINE  
SYMBOL

EXAMPLES

COAXIAL CABLE

AND LOOPS AS NEEDED

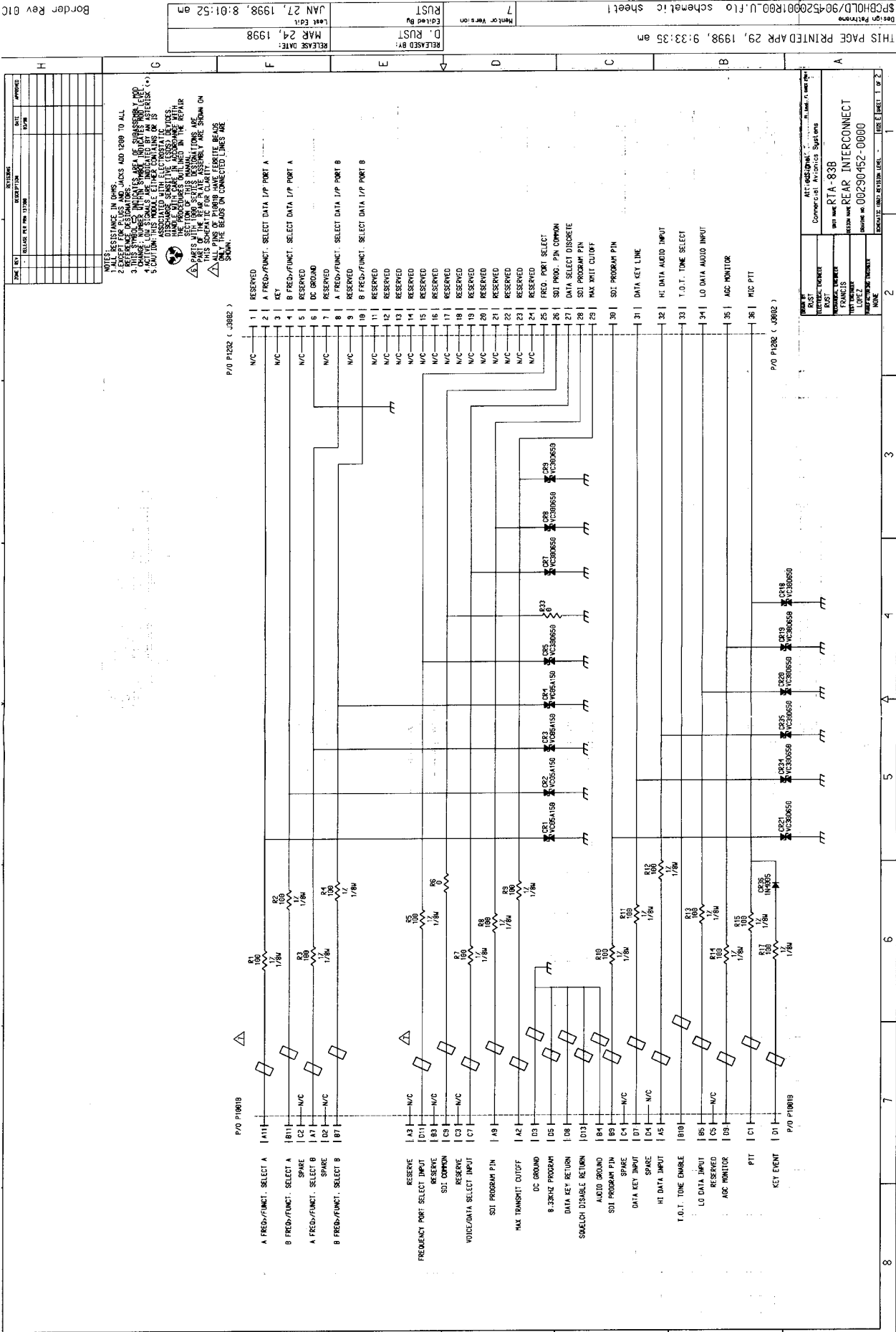
NOTE INDICATOR

COPY AS NEEDED

NOTES:

TEXT FOR NOTE 1

TEXT FOR NOTE 2





IDENTIFY CONNECTING  
SHEET NUMBERS

DO NOT USE FOR  
POINT CONNECTIONS

USE OFFSET CONNECTIONS

NOTE: COPY AS NEEDED

NOTE: COPY AS NEEDED

NOTE: COPY AS NEEDED

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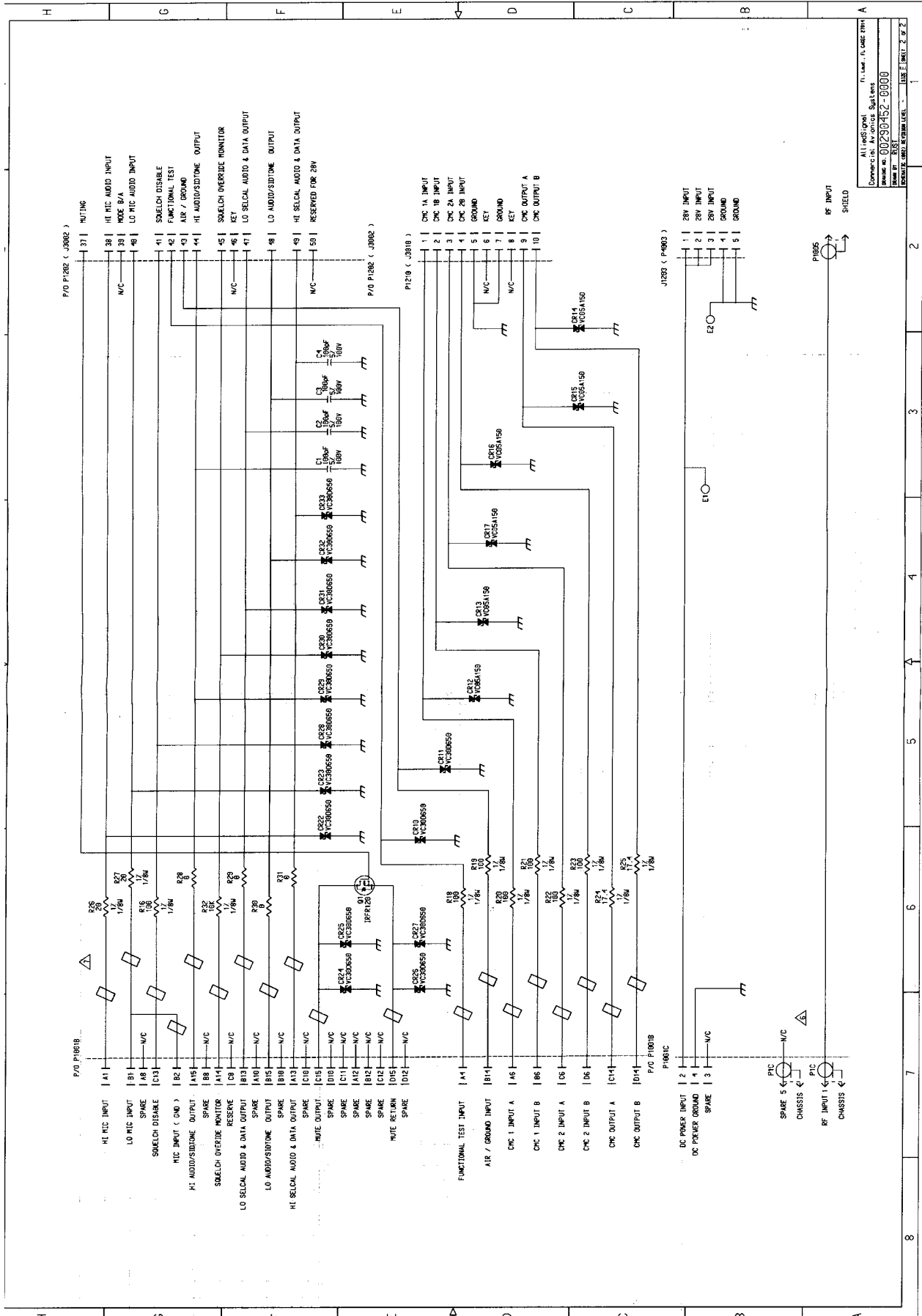
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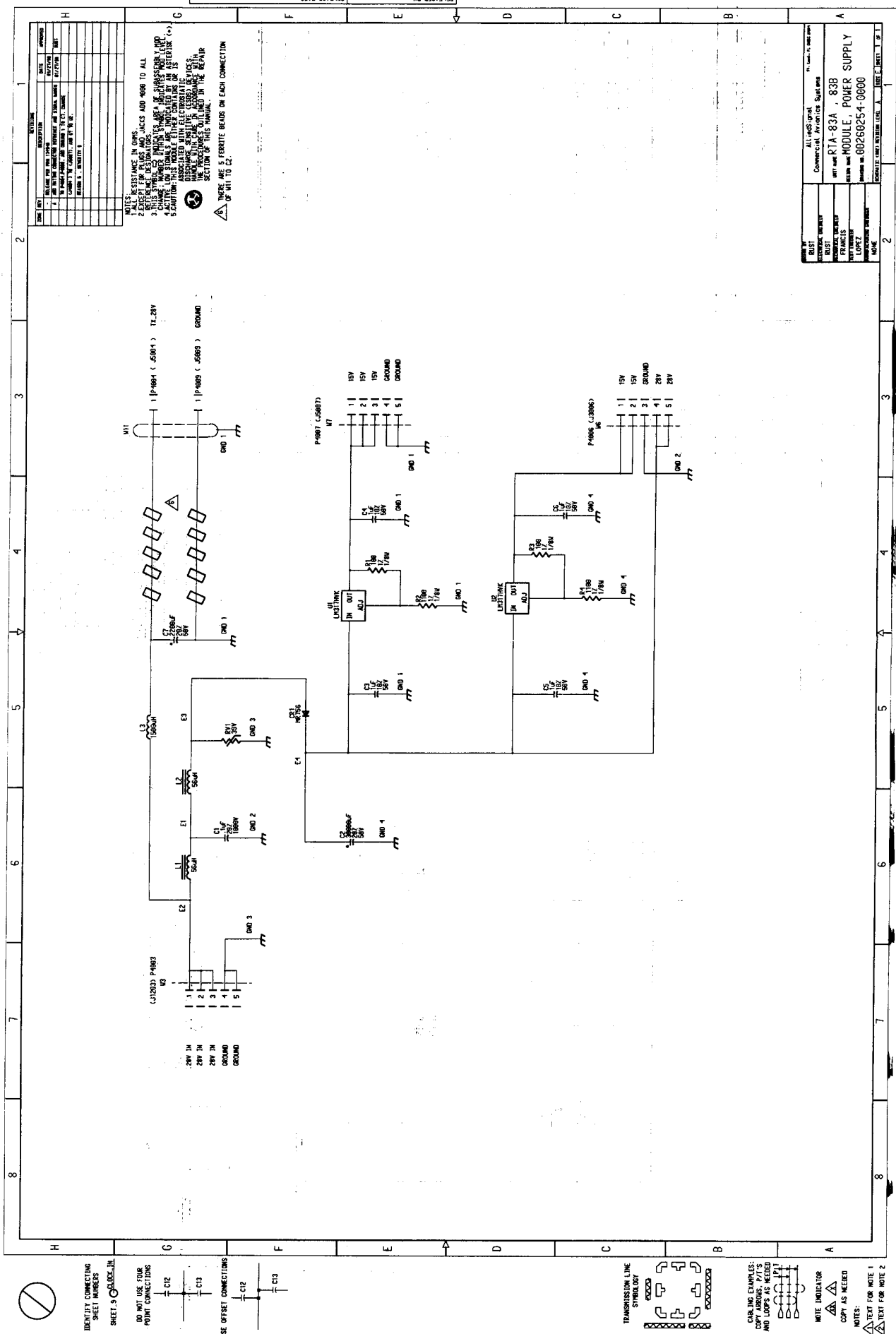
NOTE: COPY AS NEEDED

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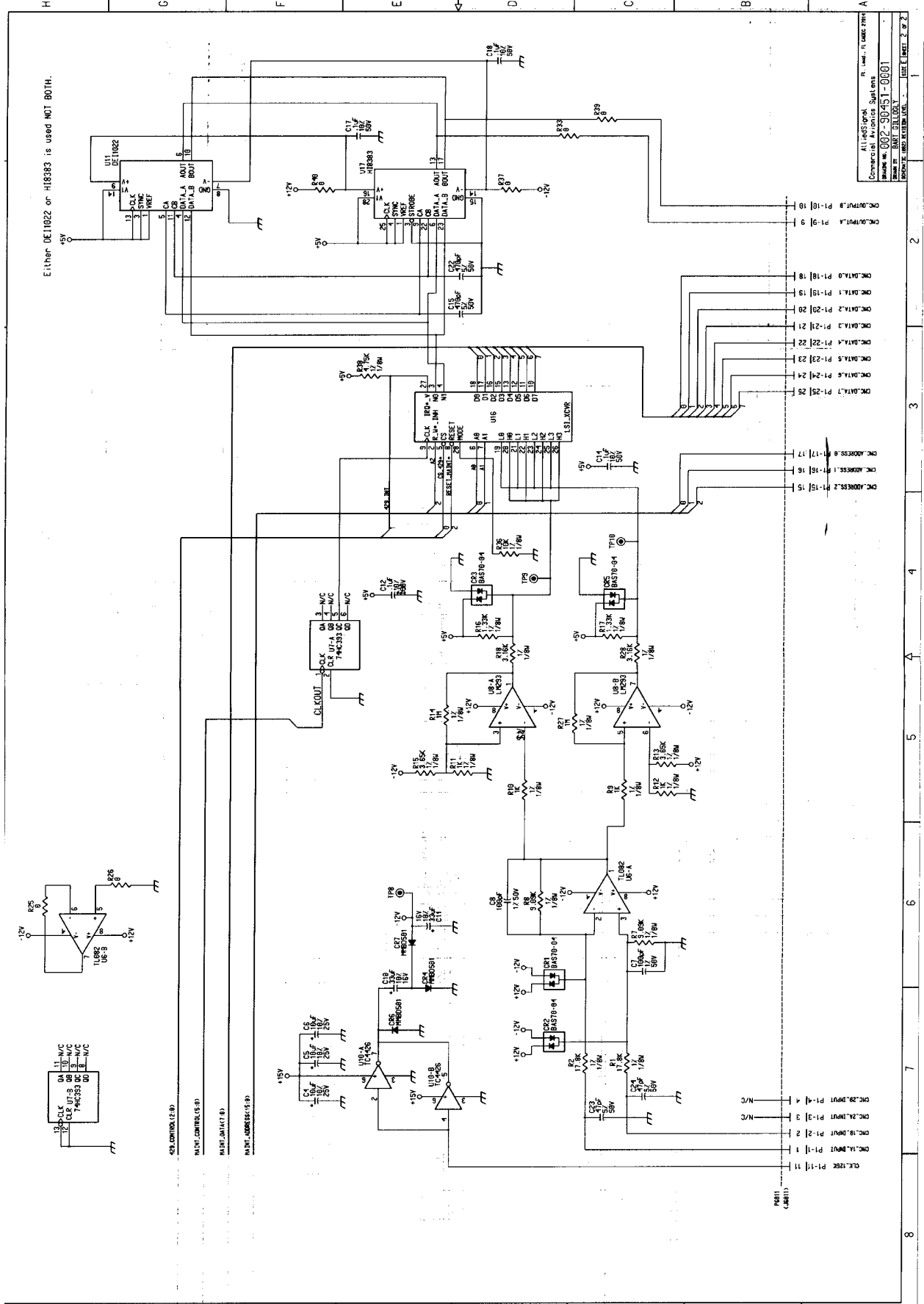
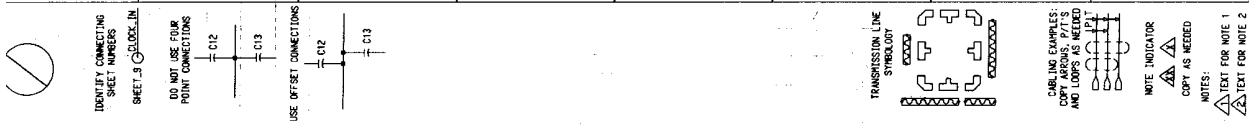
NOTE: COPY AS NEEDED



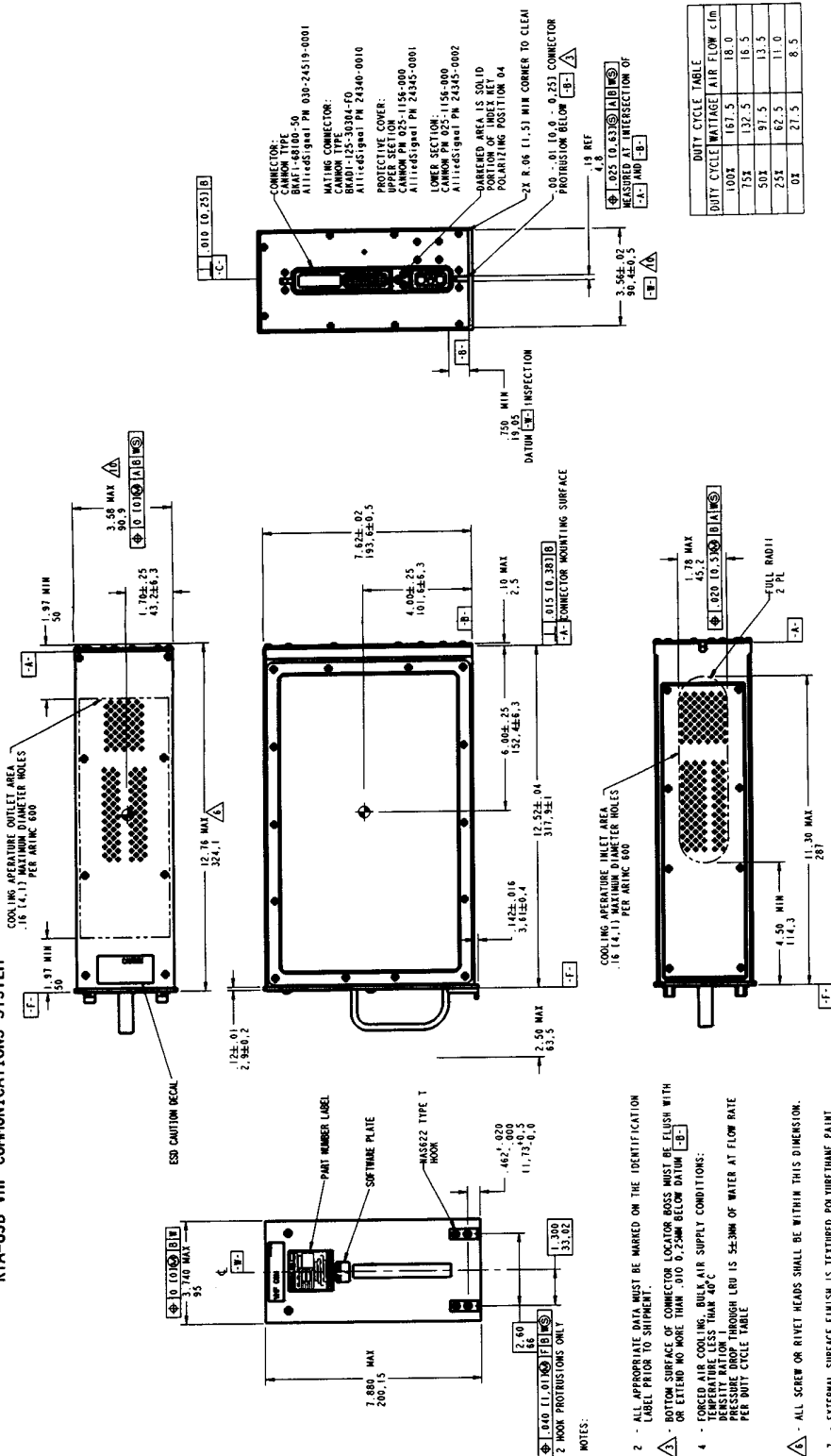
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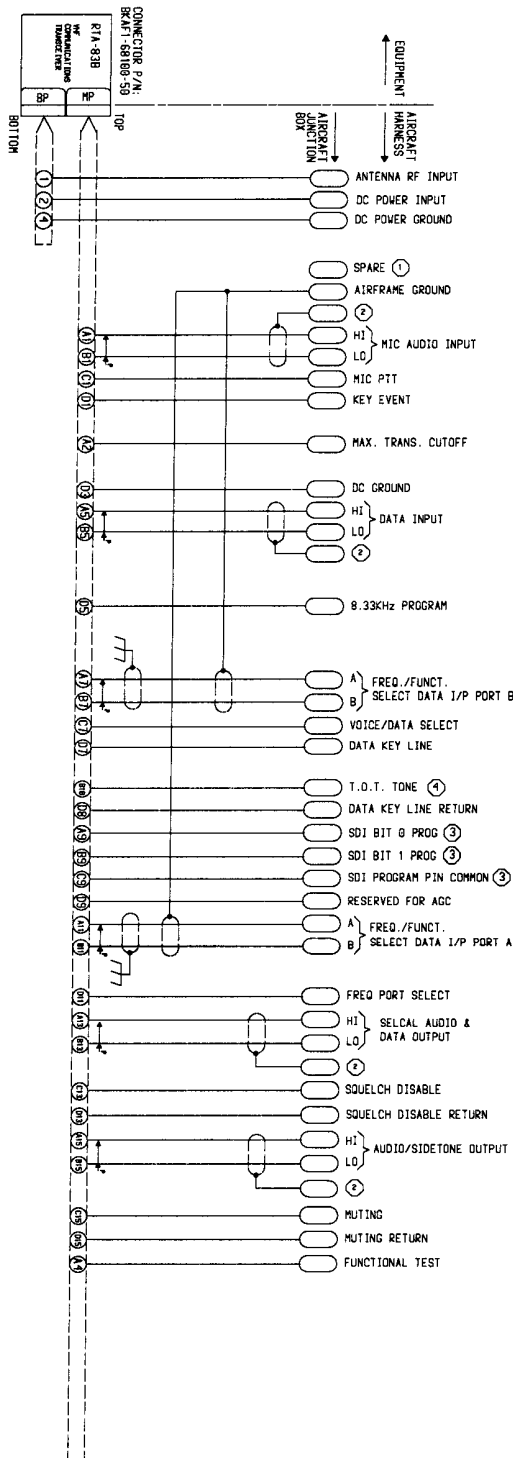
MAINTENANCE MANUAL  
RTA-83B VHF COMMUNICATIONS SYSTEM



064-50002B

RTA-83B VHF Communications Transceiver, Dimensional Outline Drawing  
Figure 203

**AlfredSignal Commercial Avionics Systems**  
**MAINTENANCE MANUAL**  
**RTA-83B VHF COMMUNICATIONS SYSTEM**



**NOTES:**

- ① UNWIRED SPARE PINS ON COM TRANSECEIVER  
 REMAIN CONNECTED TO AIRCRAFT PINS  
 82, 84, 86, 88, 90, 92, 94, 96, 98, 100, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138, 140, 142, 144, 146, 148, 150, 152, 154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 174, 176, 178, 180, 182, 184, 186, 188, 190, 192, 194, 196, 198, 200, 202, 204, 206, 208, 210, 212, 214, 216, 218, 220, 222, 224, 226, 228, 230, 232, 234, 236, 238, 240, 242, 244, 246, 248, 250, 252, 254, 256, 258, 260, 262, 264, 266, 268, 270, 272, 274, 276, 278, 280, 282, 284, 286, 288, 290, 292, 294, 296, 298, 300, 302, 304, 306, 308, 310, 312, 314, 316, 318, 320, 322, 324, 326, 328, 330, 332, 334, 336, 338, 340, 342, 344, 346, 348, 350, 352, 354, 356, 358, 360, 362, 364, 366, 368, 370, 372, 374, 376, 378, 380, 382, 384, 386, 388, 390, 392, 394, 396, 398, 400, 402, 404, 406, 408, 410, 412, 414, 416, 418, 420, 422, 424, 426, 428, 430, 432, 434, 436, 438, 440, 442, 444, 446, 448, 450, 452, 454, 456, 458, 460, 462, 464, 466, 468, 470, 472, 474, 476, 478, 480, 482, 484, 486, 488, 490, 492, 494, 496, 498, 500, 502, 504, 506, 508, 510, 512, 514, 516, 518, 520, 522, 524, 526, 528, 530, 532, 534, 536, 538, 540, 542, 544, 546, 548, 550, 552, 554, 556, 558, 560, 562, 564, 566, 568, 570, 572, 574, 576, 578, 580, 582, 584, 586, 588, 590, 592, 594, 596, 598, 600, 602, 604, 606, 608, 610, 612, 614, 616, 618, 620, 622, 624, 626, 628, 630, 632, 634, 636, 638, 640, 642, 644, 646, 648, 650, 652, 654, 656, 658, 660, 662, 664, 666, 668, 670, 672, 674, 676, 678, 680, 682, 684, 686, 688, 690, 692, 694, 696, 698, 700, 702, 704, 706, 708, 710, 712, 714, 716, 718, 720, 722, 724, 726, 728, 730, 732, 734, 736, 738, 740, 742, 744, 746, 748, 750, 752, 754, 756, 758, 760, 762, 764, 766, 768, 770, 772, 774, 776, 778, 780, 782, 784, 786, 788, 790, 792, 794, 796, 798, 800, 802, 804, 806, 808, 810, 812, 814, 816, 818, 820, 822, 824, 826, 828, 830, 832, 834, 836, 838, 840, 842, 844, 846, 848, 850, 852, 854, 856, 858, 860, 862, 864, 866, 868, 870, 872, 874, 876, 878, 880, 882, 884, 886, 888, 890, 892, 894, 896, 898, 900, 902, 904, 906, 908, 910, 912, 914, 916, 918, 920, 922, 924, 926, 928, 930, 932, 934, 936, 938, 940, 942, 944, 946, 948, 950, 952, 954, 956, 958, 960, 962, 964, 966, 968, 970, 972, 974, 976, 978, 980, 982, 984, 986, 988, 990, 992, 994, 996, 998, 1000
- ② GROUND AT AUDIO SYSTEM END ONLY  
 NOT GROUND AT COM TRANSECEIVER END

- ③ TO ENCODE LOCATION OF COM TRANSECEIVER IN AIRCRAFT, LEAVE PINS  
 AS FOLLOWS:

| COM NO. | CONNECTOR PIN |
|---------|---------------|
| 1       | MP89          |
| 2       | MP89          |
| 3       | MP89          |

- ④ GROUND FOR 1KHz INTERRUPTED TONE  
 AFTER 30 SEC. OF CONTINUOUS TRANSMIT

**RTA-83B VHF Communications System Interwiring Diagram**  
**Figure 204**

155-50803-0000

IDENTIFY CONNECTING SHEET NUMBERS

SHEET 2 CLOCK IN

DO NOT USE FOUR POINT CONNECTIONS

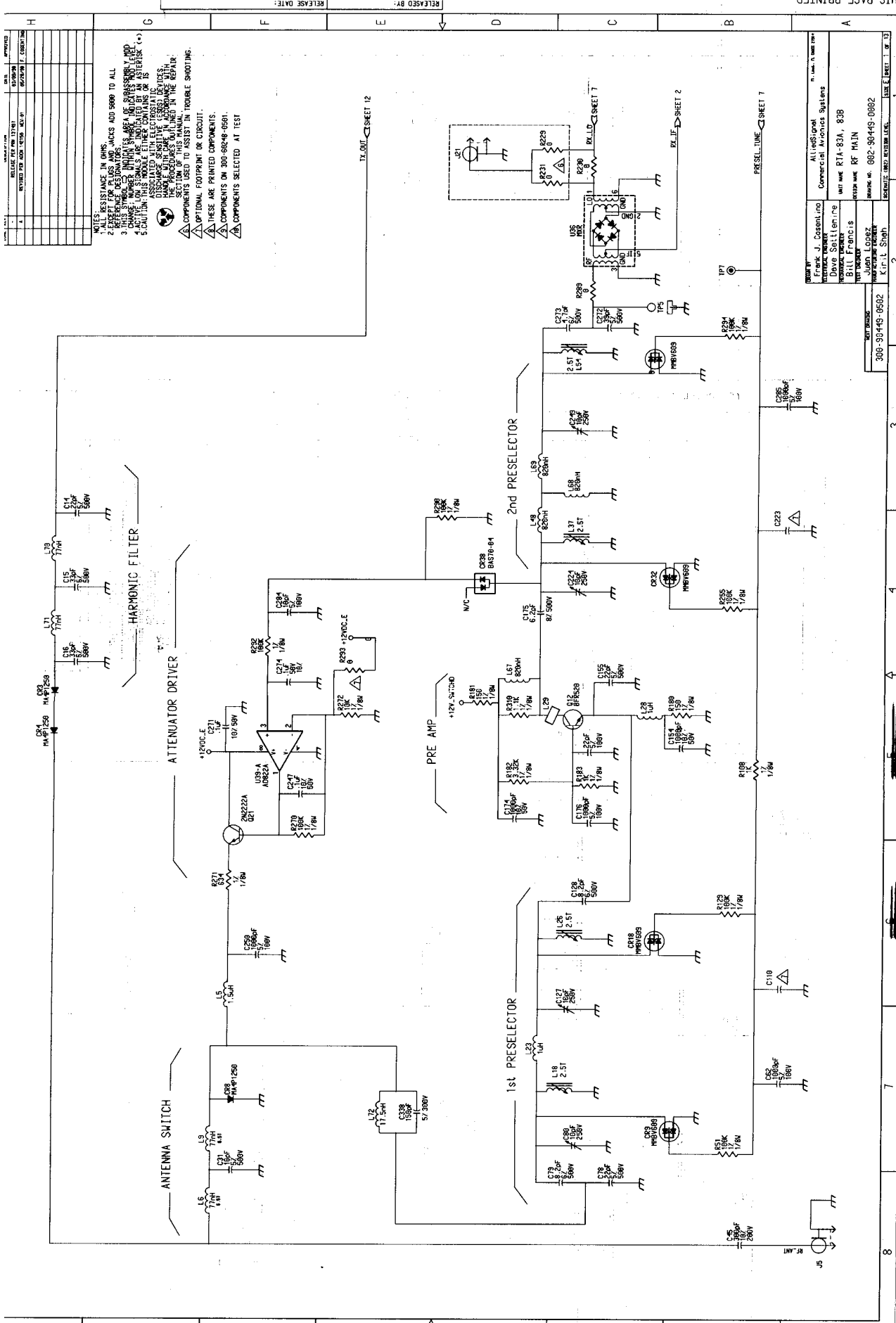
SE OFFSET CONNECTIONS

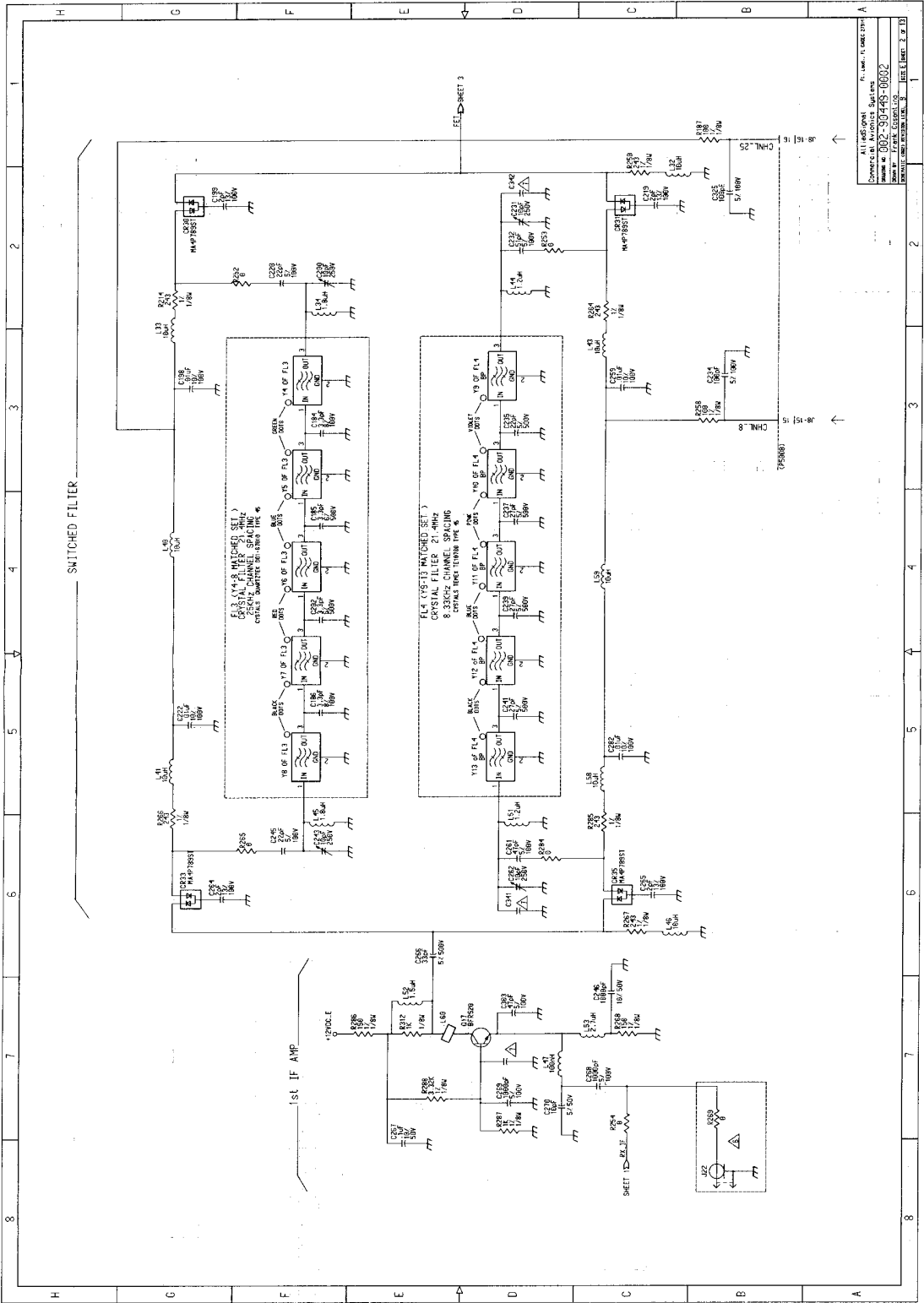
TRANSMISSION LINE SYMBOLS

CABLEING EXAMPLES:  
COPY ARROWS, P/T'S AND LOOPS AS NEEDED

NOTE INDICATOR  
COPY AS NEEDED

NOTES:  
TEXT FOR NOTE 1  
TEXT FOR NOTE 2





IDENTIFY CONNECTING  
SHEET 1 OF 2

DO NOT USE FLTP  
PUSH CONNECTIONS

USE OFFSET CONNECTIONS

1 C12

1 C13

TRANSMISSION LINE  
SYMBOLS

NOTE INDICATOR

COPIES REQUIRED

COPIES AS NEEDED

NOTES:

TEXT FOR NOTE 1

TEXT FOR NOTE 2

IDENTIFY CONNECTING SHEET NUMBERS

SHEET 3 SHEET 4

DO NOT USE FOUR POINT CONNECTIONS

SE OFFSET CONNECTIONS

C12

C13

TRANSMISSION LINE SYMBOLS

CABLES EXAMPLES:

COPY, ADDRESS, P/T/S AND LOOPS AS NEEDED

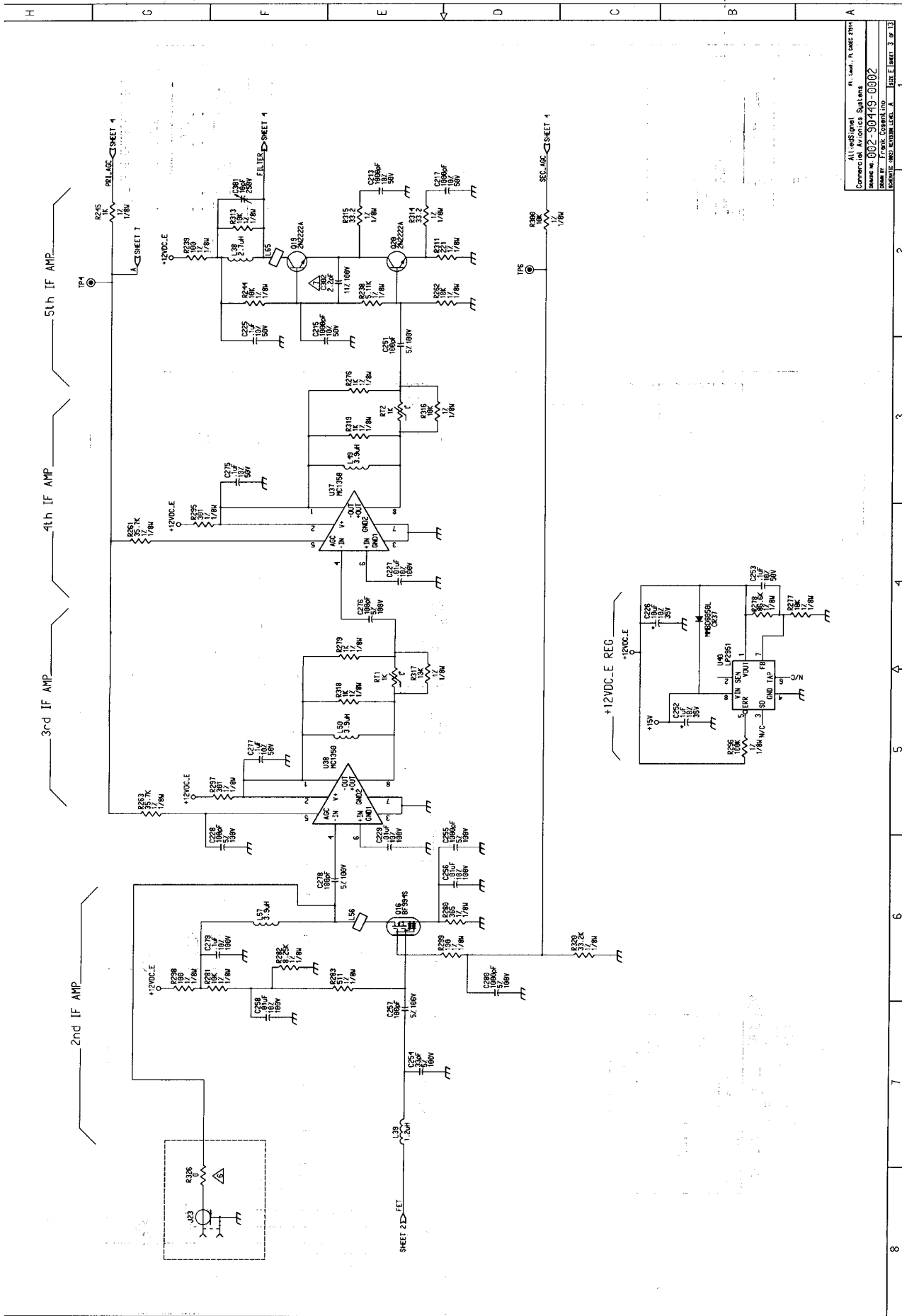
NOTE INDICATOR

COPY AS NEEDED

NOTES:

TEXT FOR NOTE 1

TEXT FOR NOTE 2



IDENTIFY CONNECTING SHEET NUMBERS

SHEET 3.9

DO NOT USE FOUR POINT CONNECTIONS

SE OFFSET CONNECTIONS

C12

C13

TRANSITION LINE SYMBOLS

USE LINE EXAMPLES: COPY AND PASTE AND LOOPS AS NEEDED

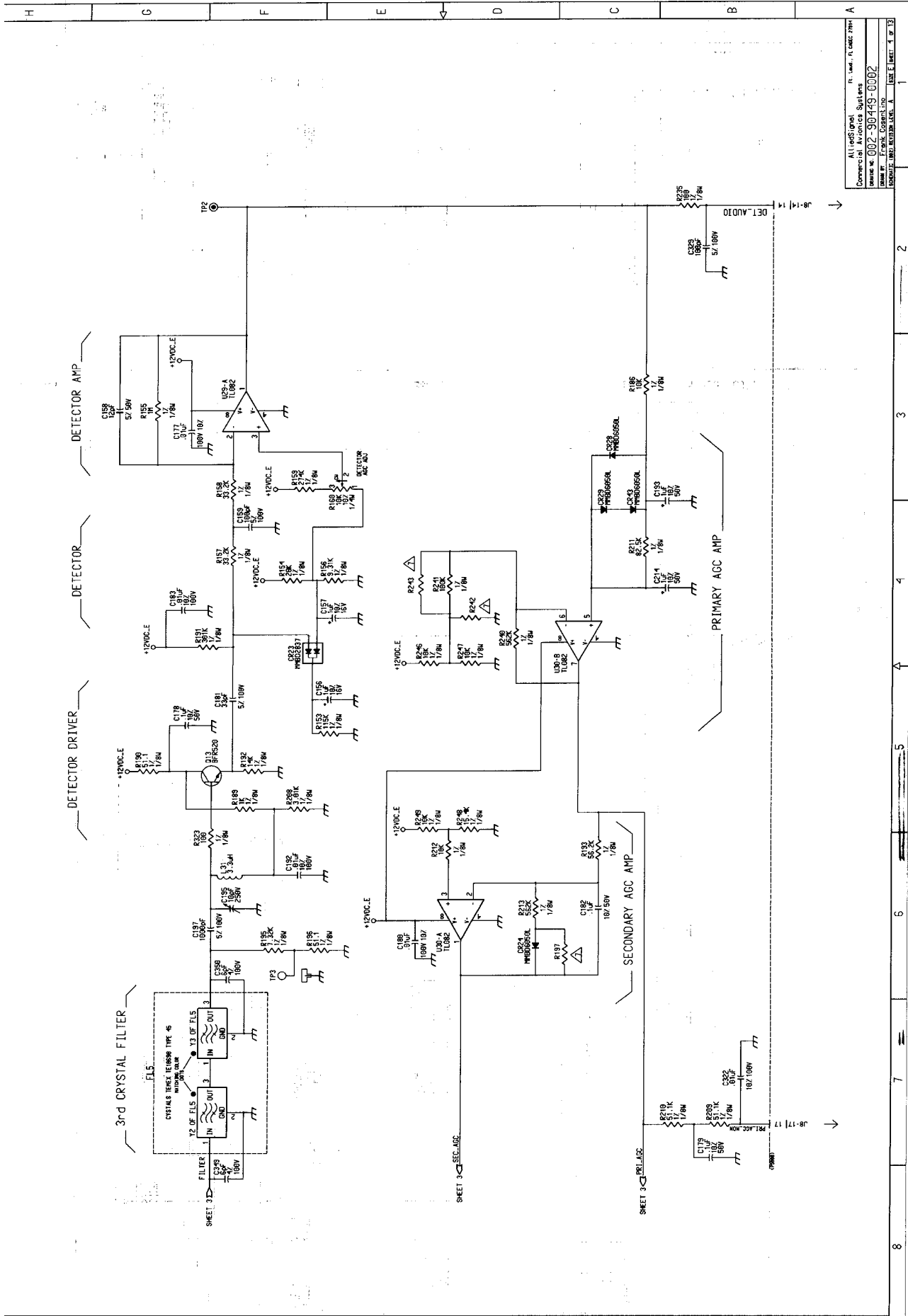
NOTE INDICATOR

COPY AS NEEDED

NOTES:

TEXT FOR NOTE 1

TEXT FOR NOTE 2







IDENTIFY CONNECTING SHEET NUMBERS  
SHEET 9 CLOCKS IN

DO NOT USE TWP POINT CONNECTIONS  
C12 C13

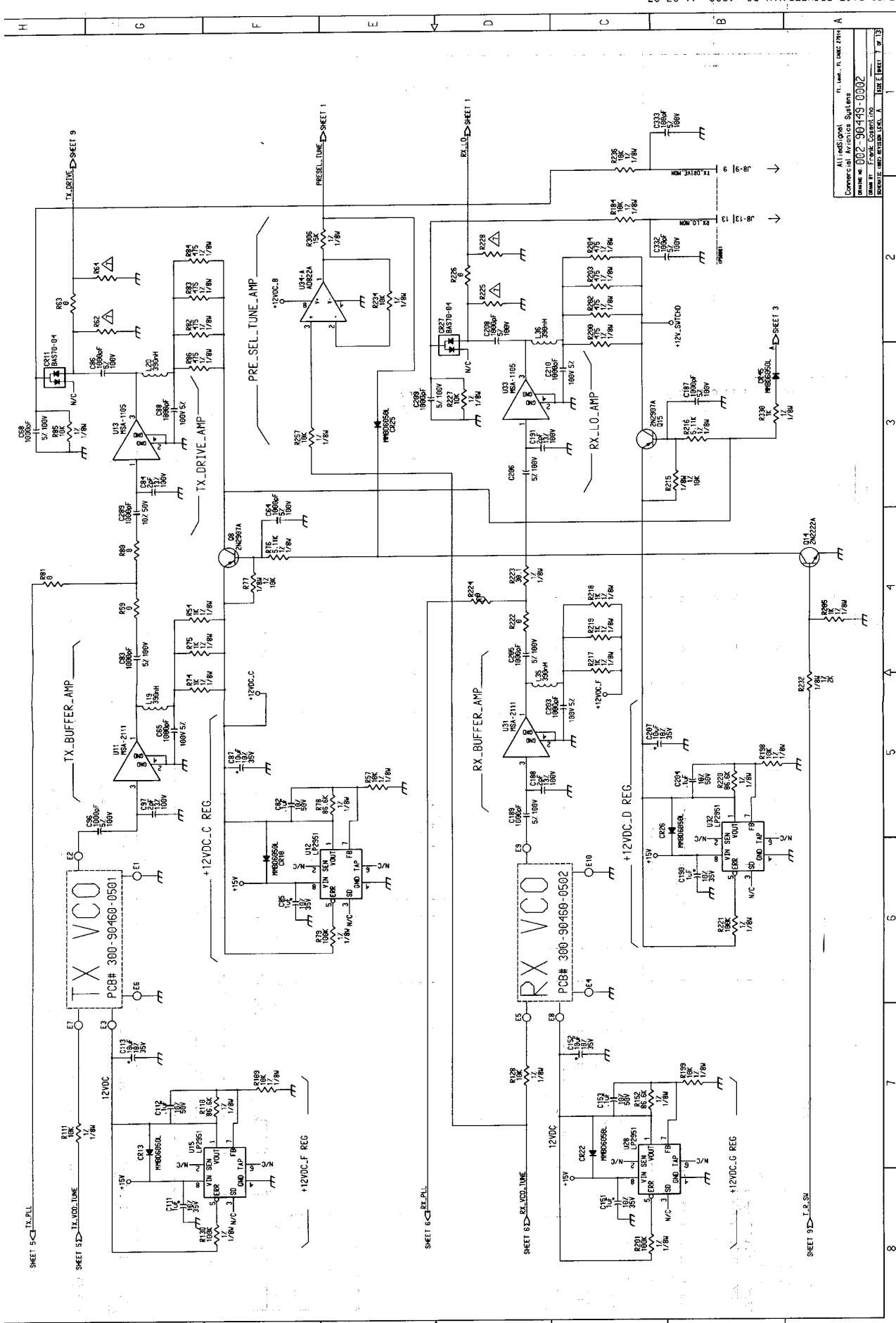
SE OFFSET CONNECTIONS  
C12 C13

TRANSMISSION LINE SYMBOLS

CABLES EXAMPLES:  
COAXIAL CABLES  
AND LINES AS NEEDED

NOTE INDICATOR  
COPY AS NEEDED

NOTES:  
TEXT FOR NOTE 1  
TEXT FOR NOTE 2



IDENTIFY CONNECTING SHEET NUMBERS

DO NOT USE GROUP POINT CONNECTIONS

SE OFFSET CONNECTIONS

TRANSMISSION LINE SYMBOLS

CIRCUIT EXAMPLES: COPY, PASTE, AND LOOPS AS NEEDED

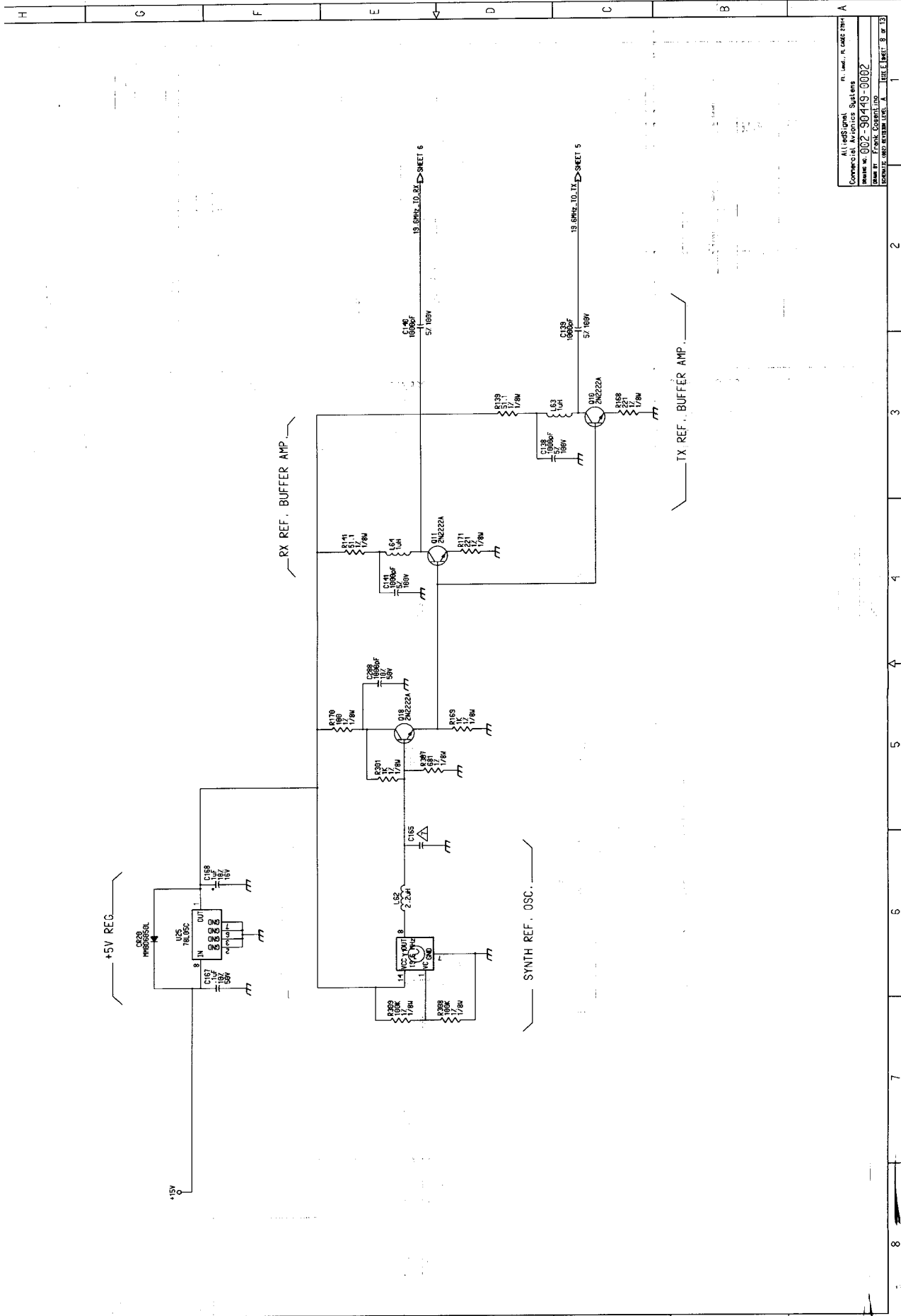
NOTE INDICATOR

COPY AS NEEDED

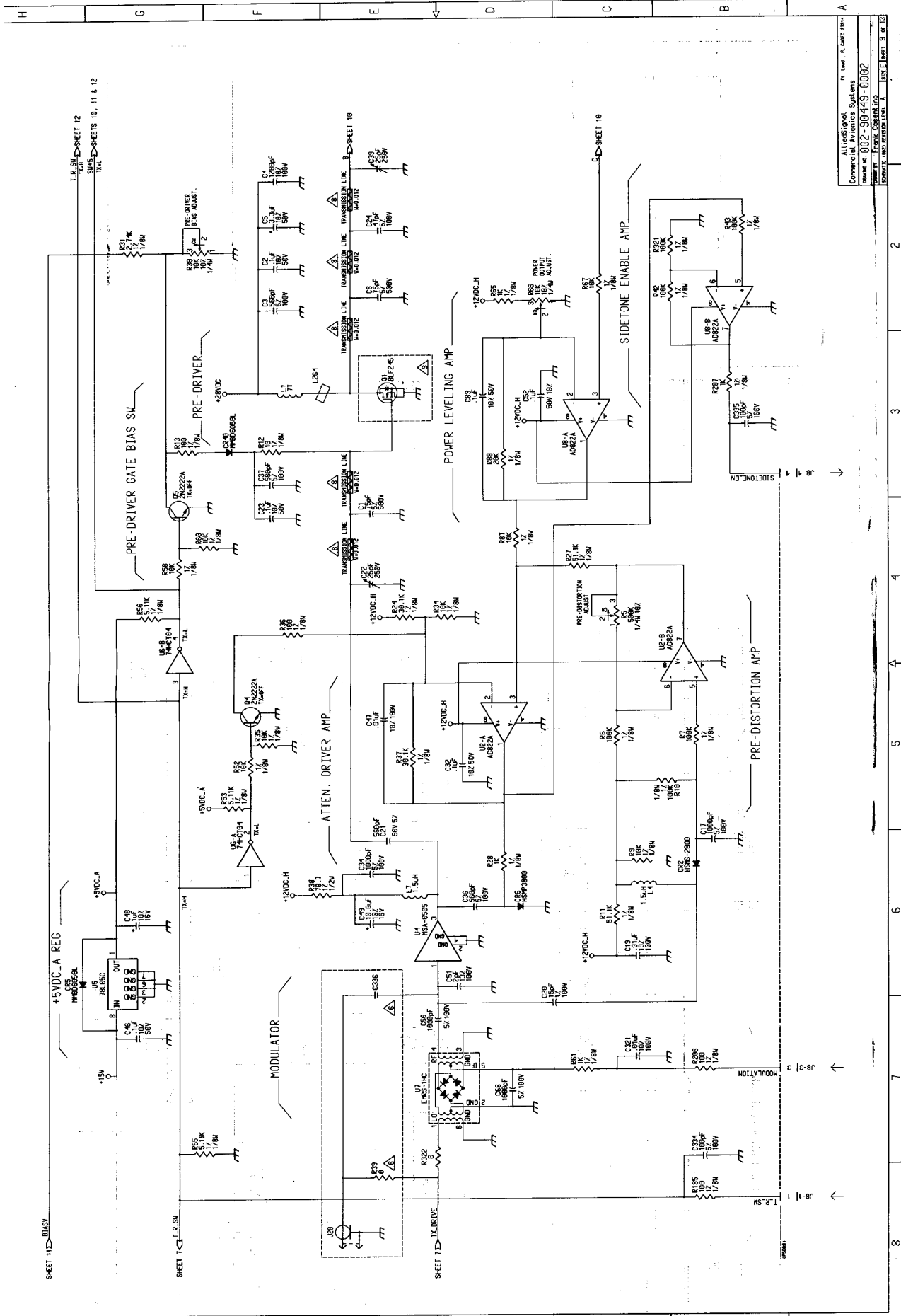
NOTES:

TEXT FOR NOTE 1

TEXT FOR NOTE 2



IDENTIFY CONNECTING SHEET NUMBERS  
DO NOT USE GROUP POINT CONNECTIONS  
SE OFFSET CONNECTIONS  
CABLEING EXAMPLES: COPY, PASTE, AND LOPS AS NEEDED  
NOTE INDICATOR COPY AS NEEDED  
NOTES:  
TEXT FOR NOTE 1  
TEXT FOR NOTE 2



THIS PAGE PRINTED MAY 28, 1998, 11:37:38 am  
90490003R000C.F10 schematic sheet 3  
Design Path: 90490003R000C.F10  
Commercial Avionics Systems  
Drawing No. 002-9049-0002  
Rev. 1  
DATE 11/11/97  
BY: J. L. B. (JLB)  
CHECKED BY: J. L. B. (JLB)  
APPROVED BY: J. L. B. (JLB)

IDENTIFY CONNECTING SHEET NUMBERS

SHEET 9 CLOCK IN

DO NOT USE FOUR POINT CONNECTIONS

SE OFFSET CONNECTIONS

TRANSMISSION LINE SYMBOLS

CABLE EXAMPLES:  
COPY ARROWS, P/T'S AND LOOPS AS NEEDED

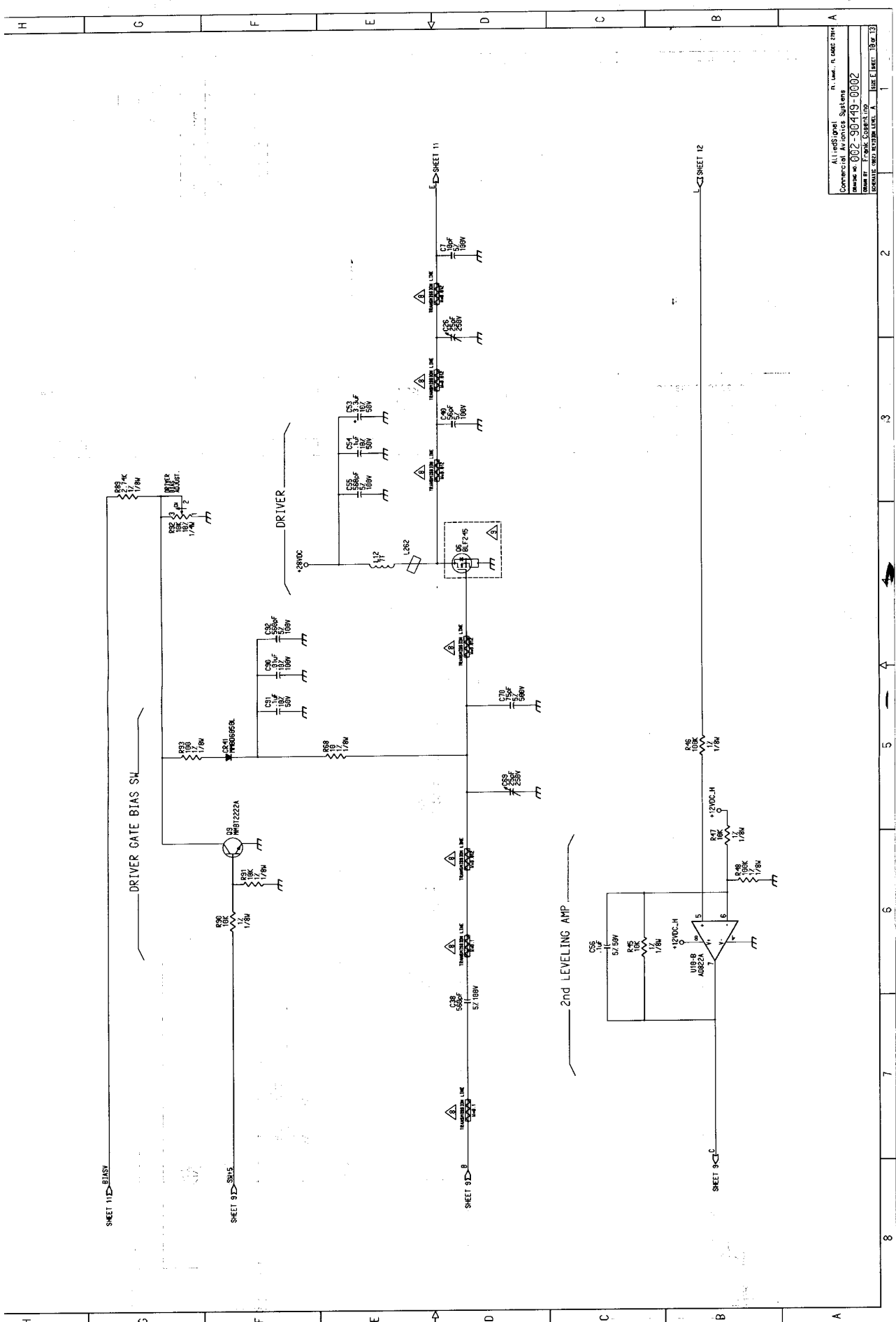
NOTE INDICATOR

COPY AS NEEDED

NOTES:

TEXT FOR NOTE 1

TEXT FOR NOTE 2







IDENTITY CONNECTING SHEET NUMBERS

SHEET 9

DO NOT USE FOUR POINT CONNECTIONS

SE OFFSET CONNECTIONS

TRANSMISSION LINE SYMBOLS

COPIES REQUIRED: COPY ARROWS, DOTS AND LOOPS AS NEEDED

NOTE INDICATOR

NOTES:

TEXT FOR NOTE 1

TEXT FOR NOTE 2

