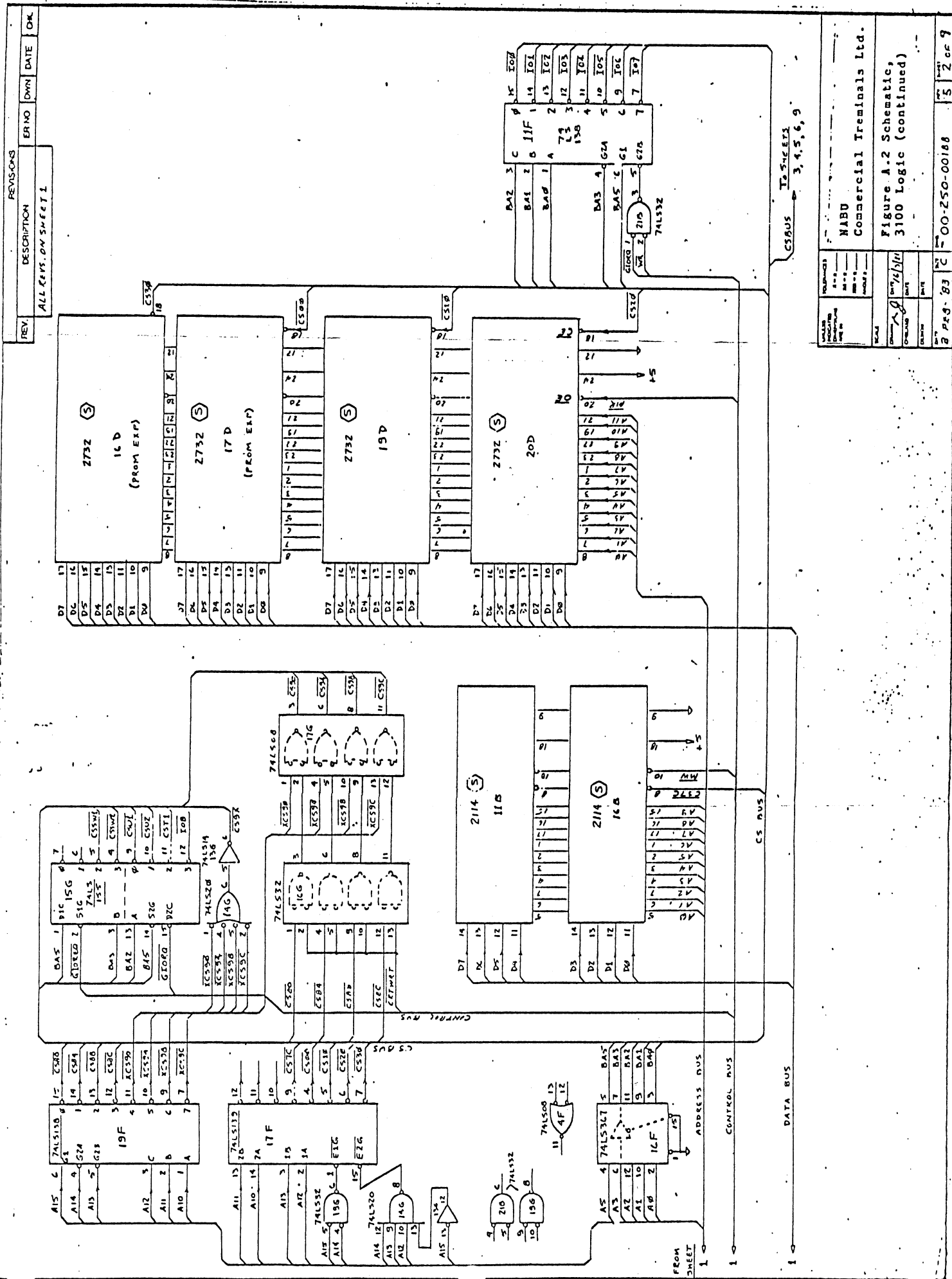
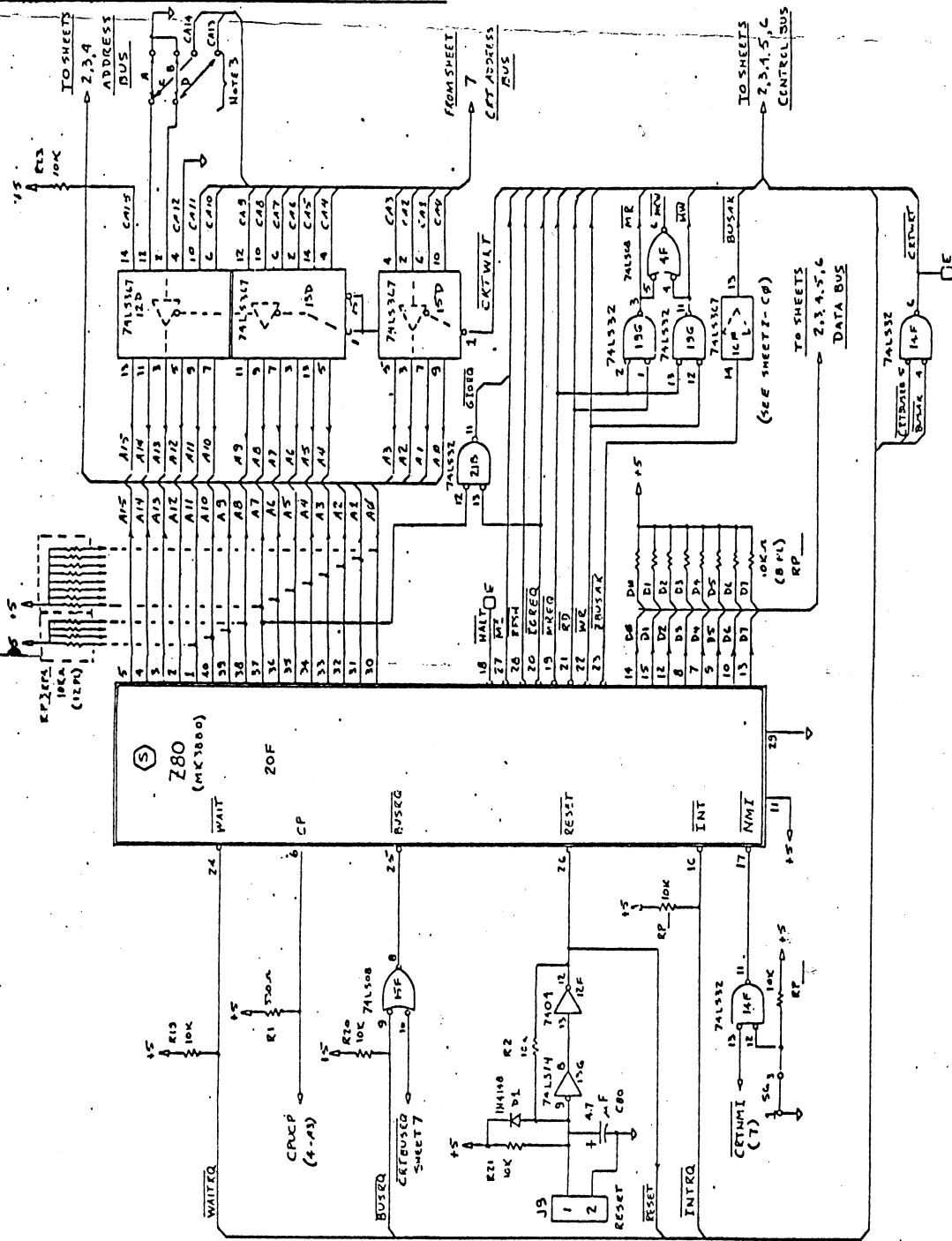




REV.	DESCRIPTION	REVNO	DATE	DR
1	SHEETS 1 TO 9 REVISED		21/1/11	AG
2	SHEETS 1, 2, 4, 5, 7, 8, 9 C.O.		21/1/11	AG
4	INCORPORATE ECO	718	5/12/12	
5	INCORPORATE ECO	764	3/12/13	



- NOTES:
- 1- ALL RESISTORS 5%, 1/4W EXCEPT WHERE NOTED
 - 2- (S) DENOTES IC IN SOCKET
 - 3- FOR 1 OR 2 PAGES USE CONNECTIONS A,B (ON ARTWORK) FOR 4 PAGES CUT CONNECTION B, ADD CONNECTION D FOR 8 PAGES CUT A,B, ADD C,D.
 - 4- FOR P.O.M. SEE 71-250-00002-C.
 - 5-

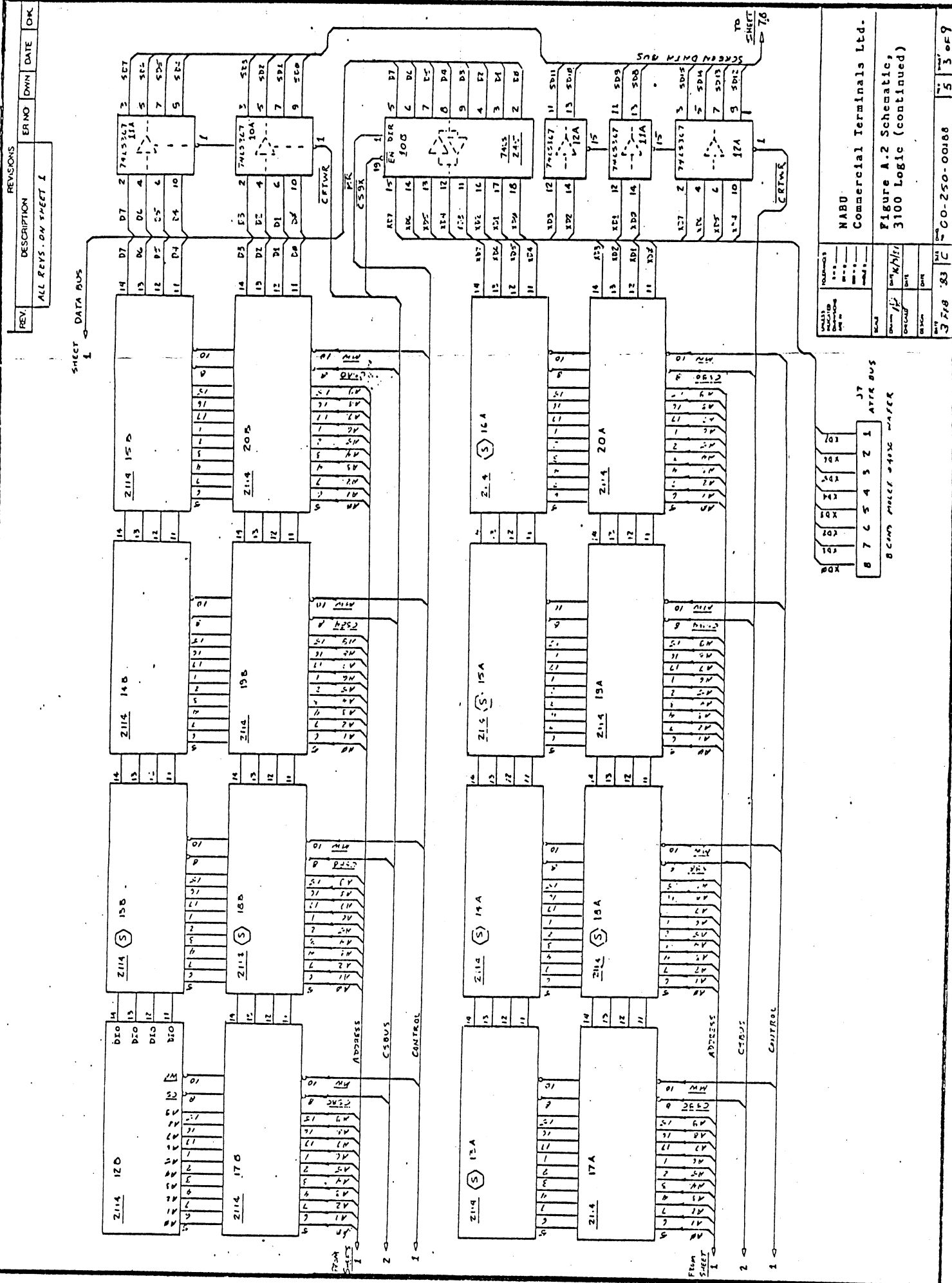
REVISIONS	DATE	BY	APP	DESCRIPTION
1	21/1/11	AG		SHEETS 1 TO 9 REVISED
2	21/1/11	AG		SHEETS 1, 2, 4, 5, 7, 8, 9 C.O.
4	5/12/12			INCORPORATE ECO
5	3/12/13			INCORPORATE ECO

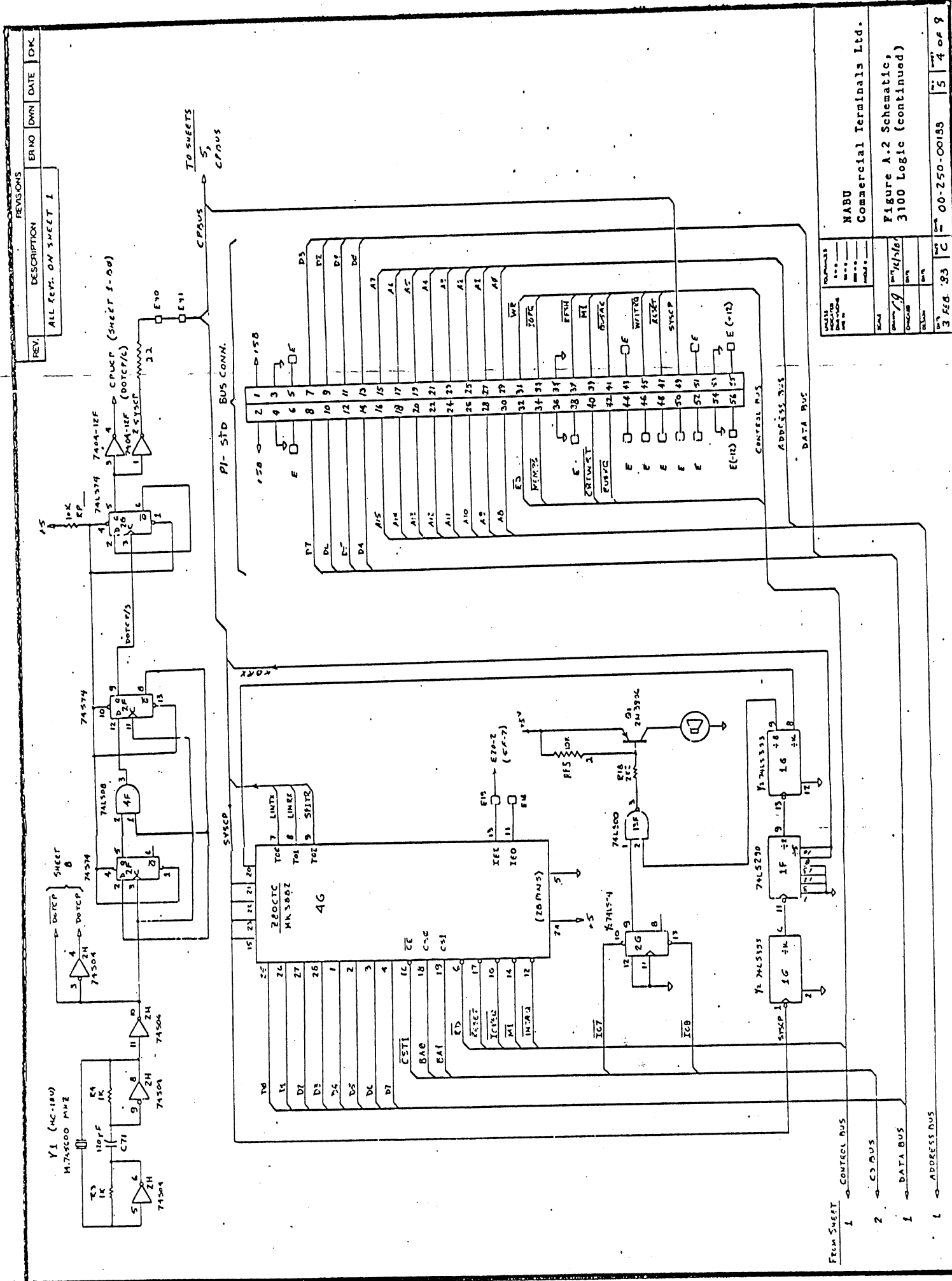
NABU
Commercial Terminals Ltd.

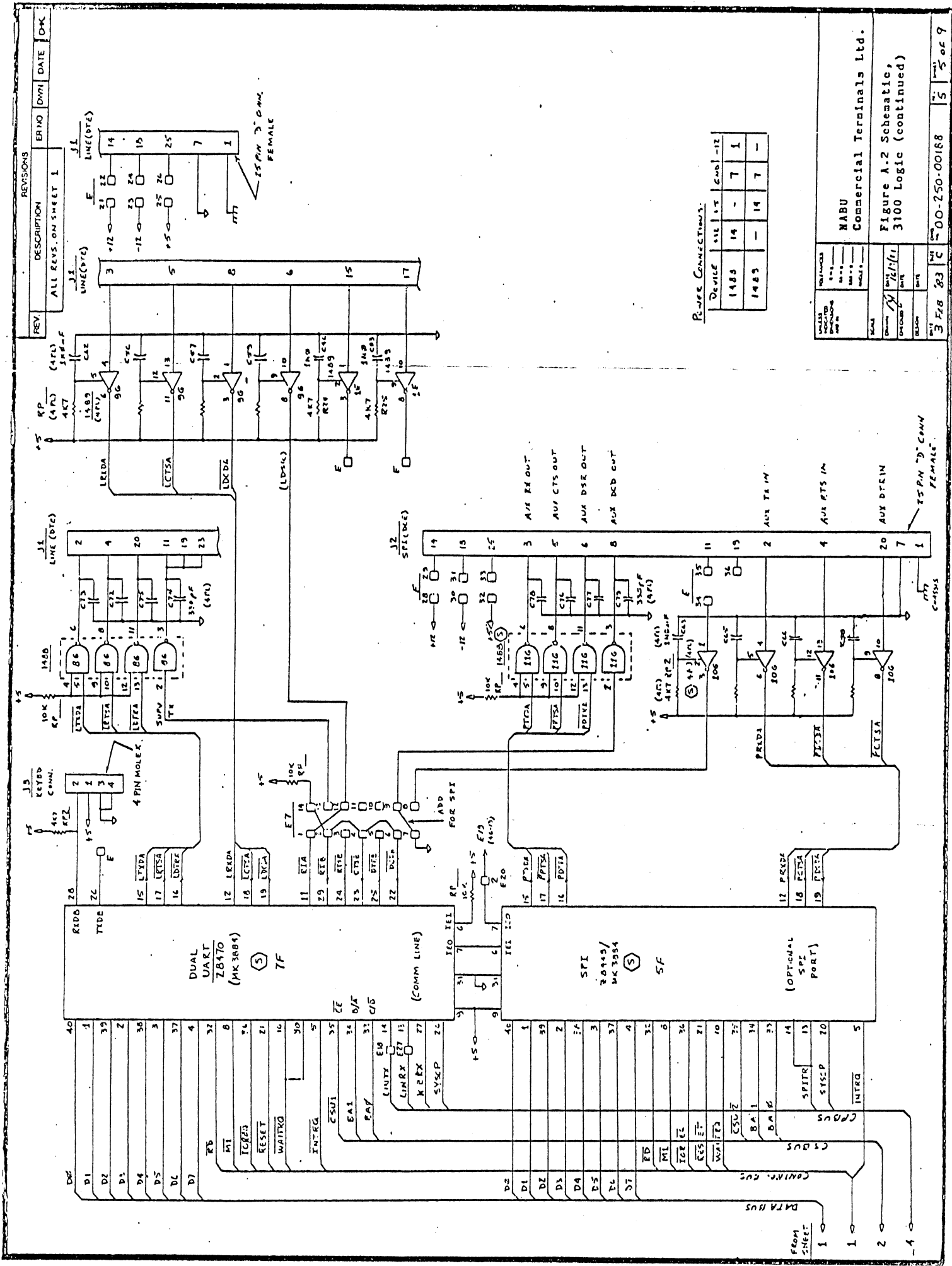
Figure A.2 Schematic,
3100 Logic

3100 '83

5 1 of 9



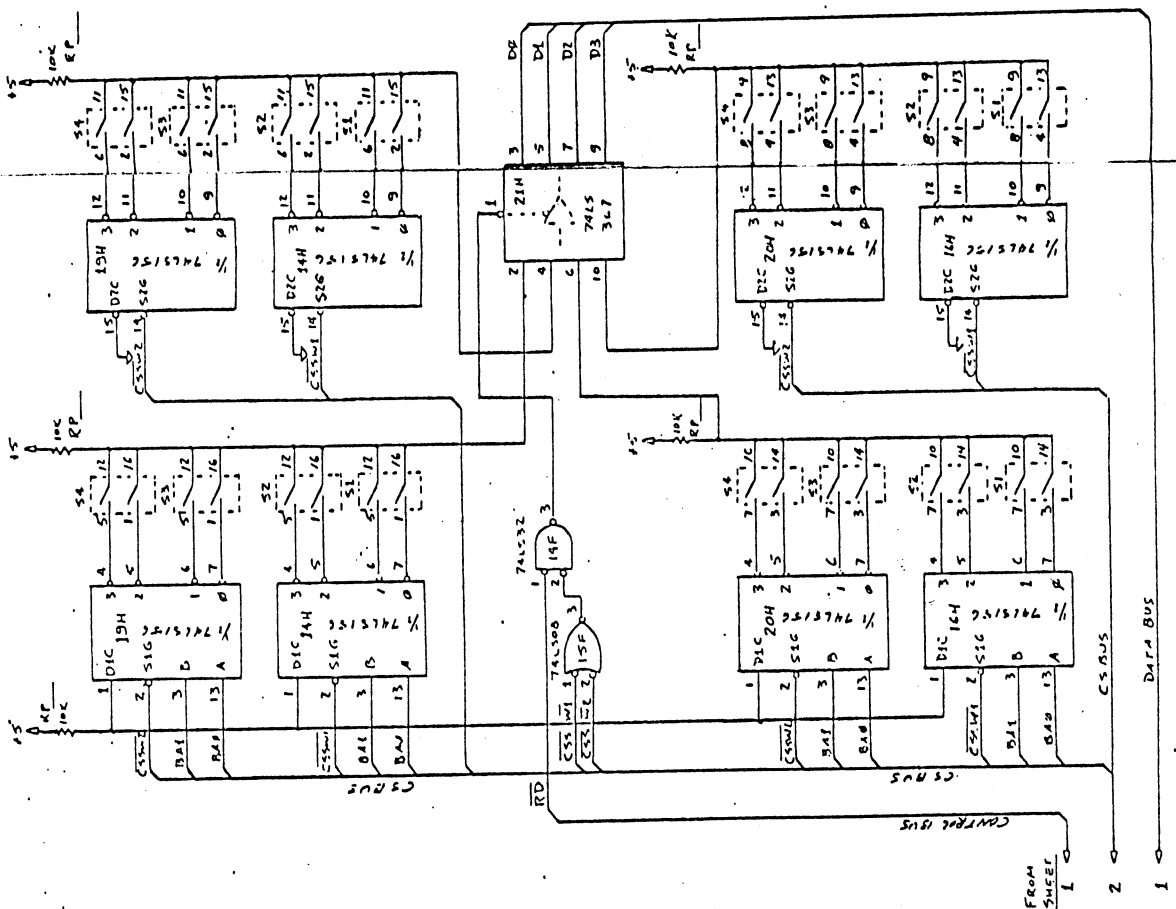




REVISIONS

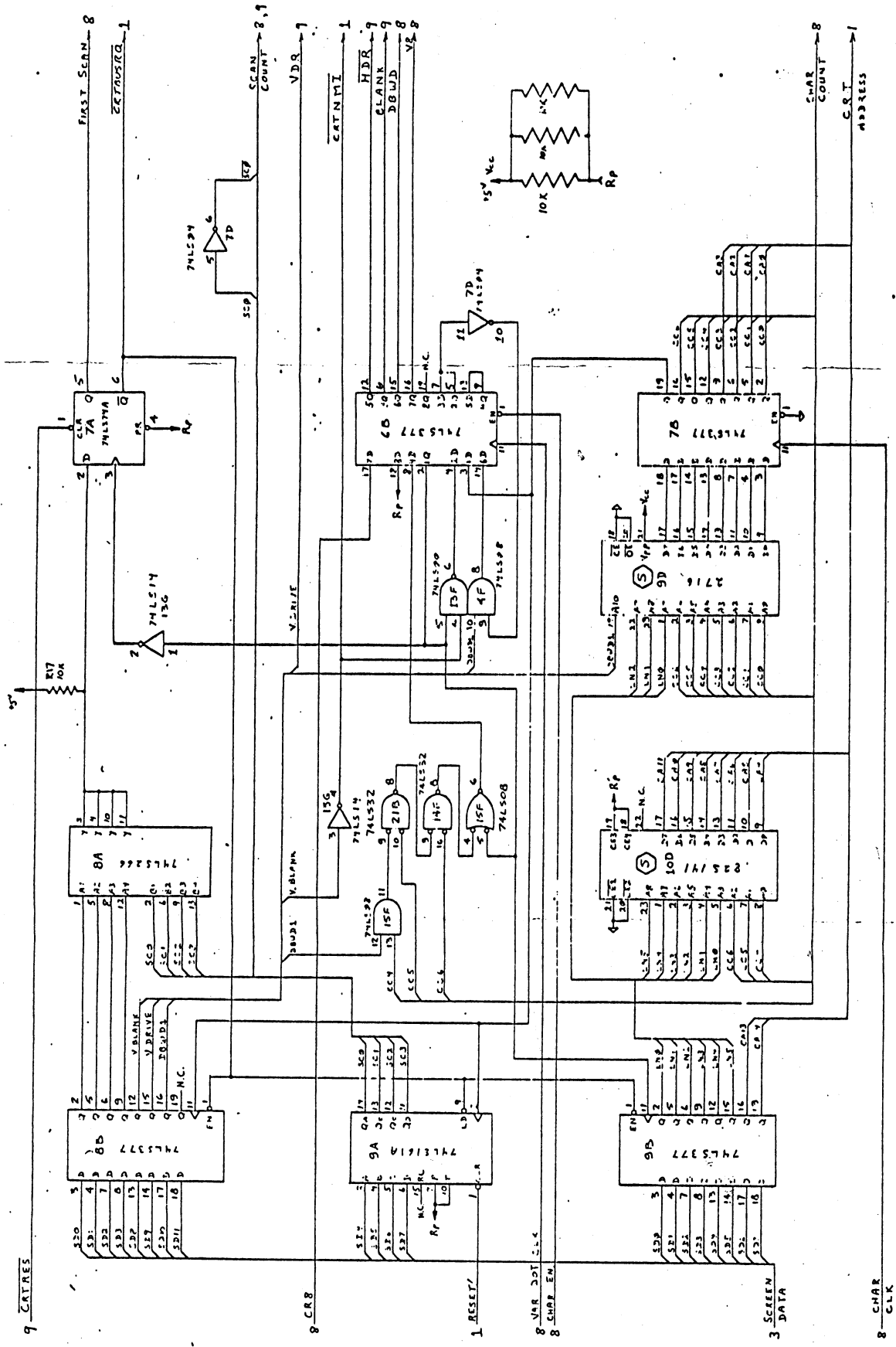
REV	DESCRIPTION	ER NO	DWN	DATE	OK
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ALL KEYS ON SHEET 1



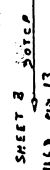
DESIGNED BY	DATE	7/13/71	7/13/71
CHECKED BY	DATE		
APPROVED BY	DATE		
SCALE			
FIG. NO.	3	FIG. 3	33
REV.	5	5	6 of 7
NABU Commercial Terminals Ltd.			
Figure A.2 Schematic, 3100 Logic (continued)			
CO-250-00100			

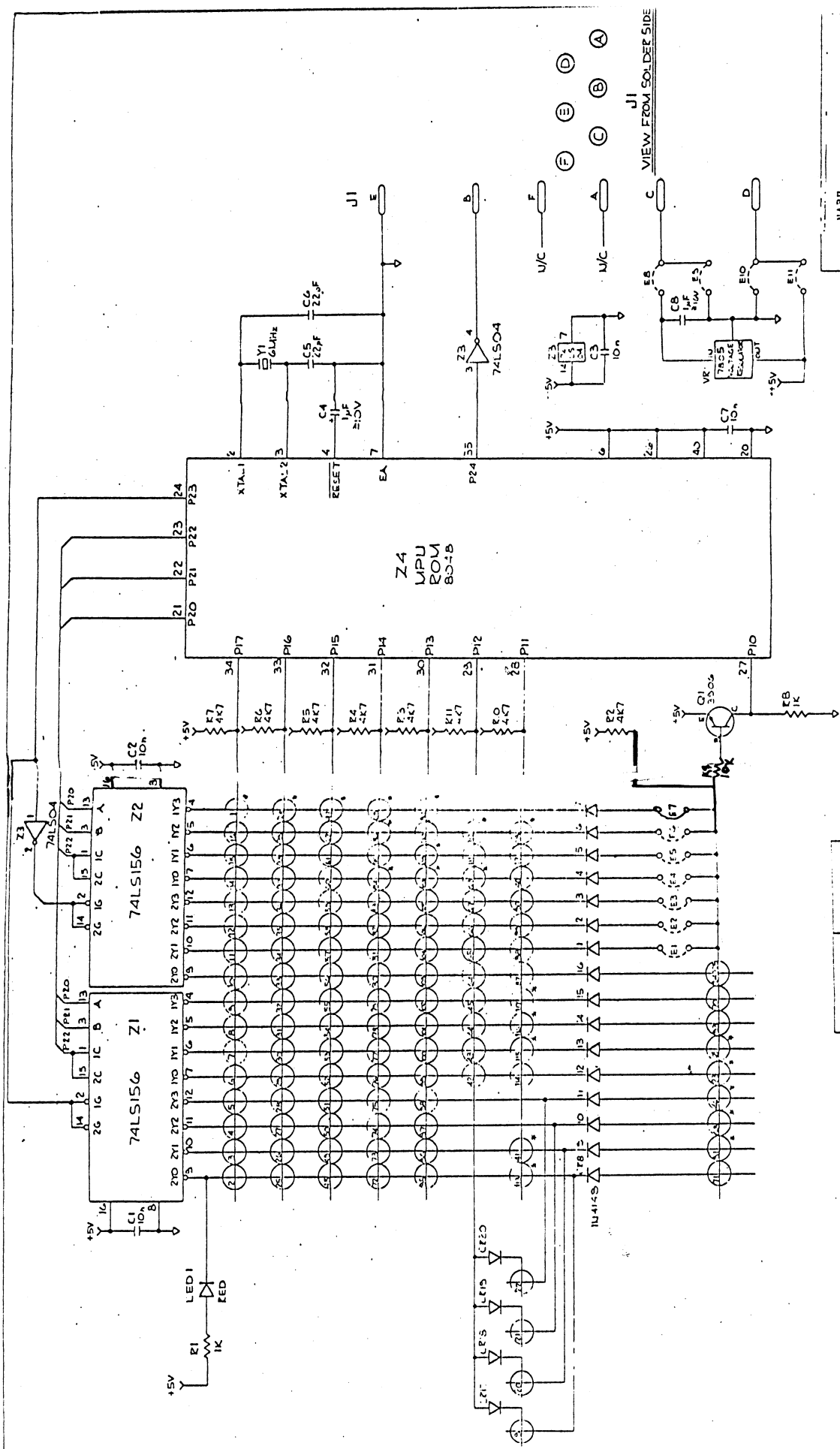
REVISIONS			
REV.	DESCRIPTION	ERNO	DATE
1	ALL REVS ON SHEET 1		



NABU Commercial Terminals Ltd.			
Figure A.2 Schematic, 3100 Logic (continued)			
UNITS	1-1	2-2	3-3
REVISIONS	1-1	2-2	3-3
DATE	1-1	2-2	3-3
BY	1-1	2-2	3-3
9 FEB '83	5	7	9

REV.	DESCRIPTION	REVISIONS
	ALL REYS: ON SHEET 1	

[illegible]



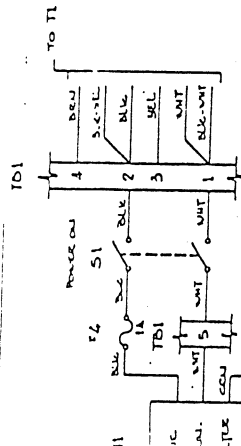
NABU
Commercial Terminals Ltd.

Figure A.7 Schematic,
Serial Keyboard

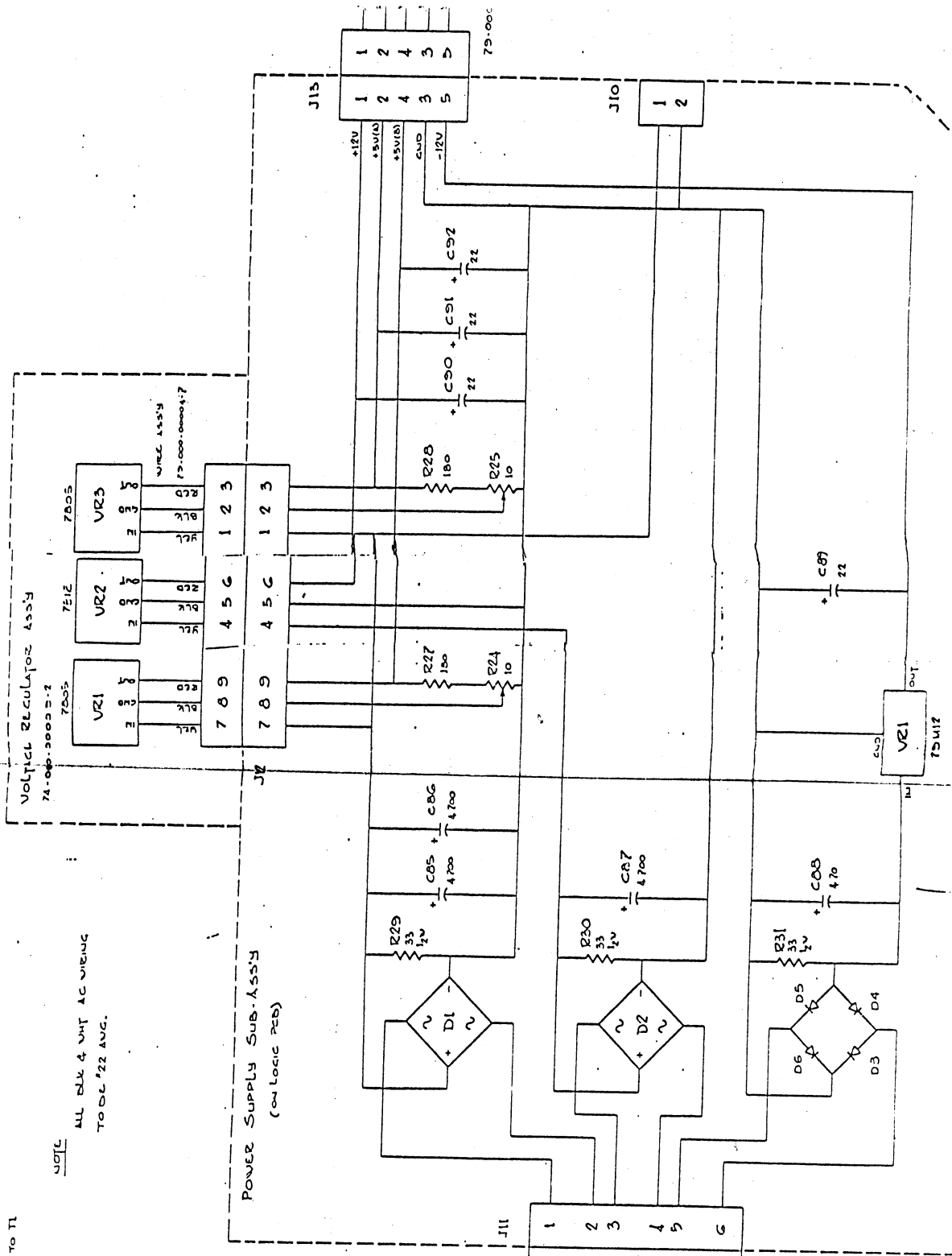
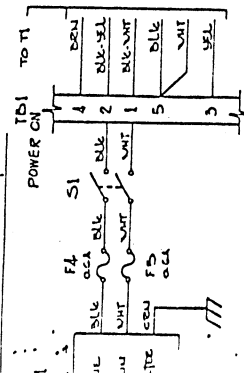
ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

25 MAR 82	00-250-00130	2	64
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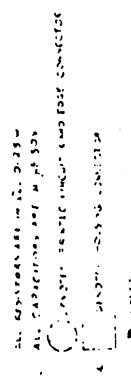
50/60 HZ CONNECTION

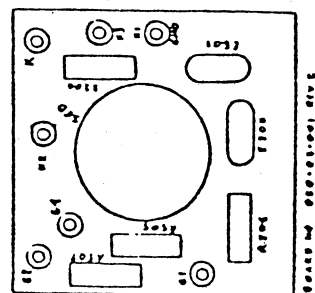
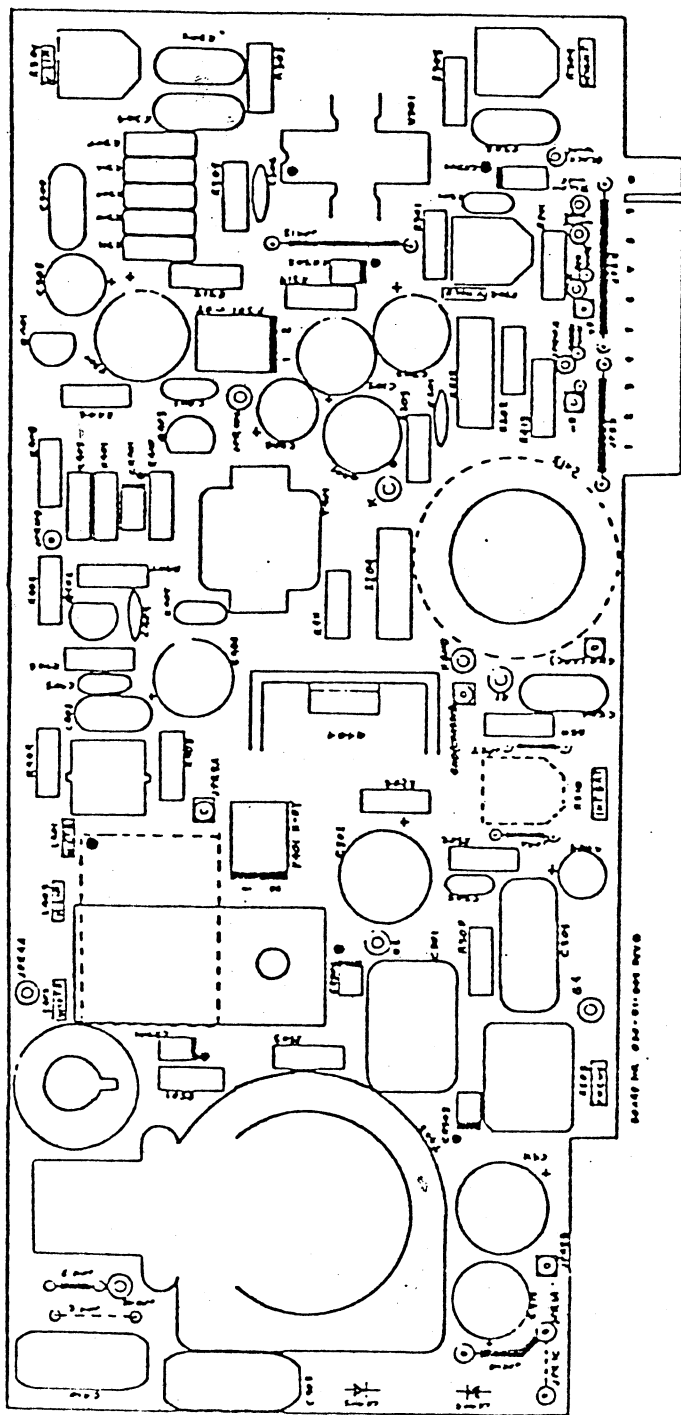


50/60 HZ CONNECTION

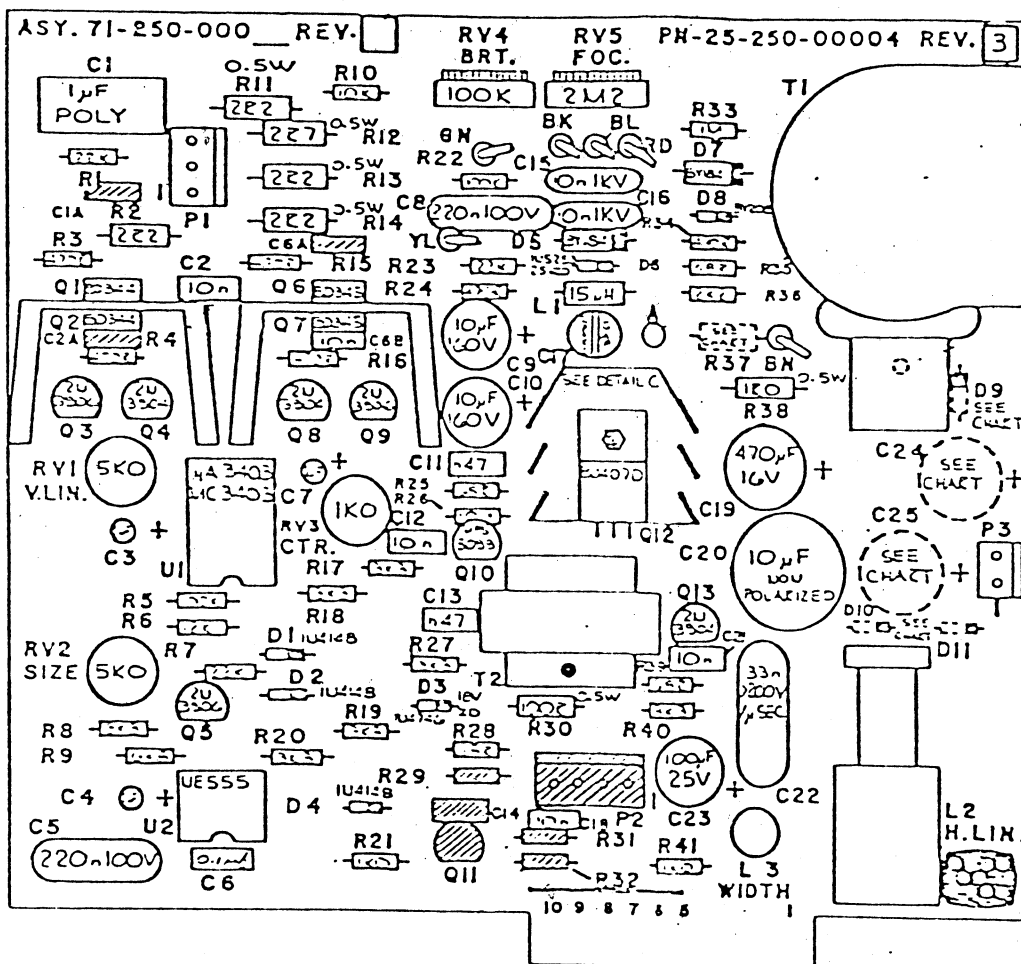


NA8u
Commercial
Figure A.1

A - 23



SAMSUNG MONITOR



MONITOR 4

NABU
Commercial Terminals Ltd.

Figure A.3 Monitor,
Component Layout

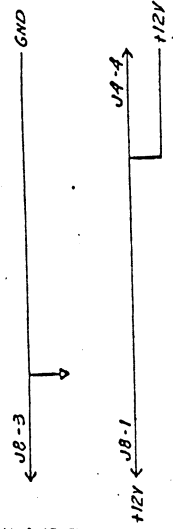
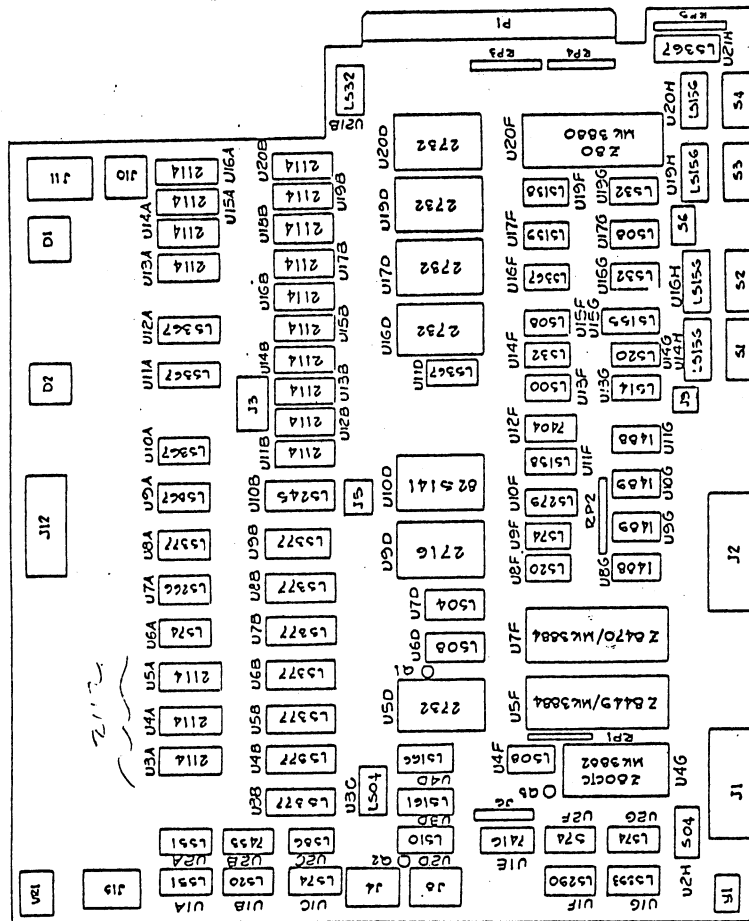
COMPONENT REFERENCE

HIGHEST DESIGN USED	DESIGNATION NOT USED
C52	C40
D7	C41, C42, C43, C45, C46
E53	E44-E50
J13	Z22
L51	U1D, U1H
P1	U2E, U2F, U2G, U2H, U2I, U2J, U2K, U2L, U2M, U2N, U2O, U2P, U2Q, U2R, U2S, U2T, U2U, U2V, U2W, U2X, U2Y, U2Z
Q3	U3C, U3D, U3E, U3F, U3G, U3H, U3I, U3J, U3K, U3L, U3M, U3N, U3O, U3P, U3Q, U3R, U3S, U3T, U3U, U3V, U3W, U3X, U3Y, U3Z
R32	U4C, U4D, U4E, U4F, U4G, U4H, U4I, U4J, U4K, U4L, U4M, U4N, U4O, U4P, U4Q, U4R, U4S, U4T, U4U, U4V, U4W, U4X, U4Y, U4Z
RPS	U5C, U5D, U5E, U5F, U5G, U5H, U5I, U5J, U5K, U5L, U5M, U5N, U5O, U5P, U5Q, U5R, U5S, U5T, U5U, U5V, U5W, U5X, U5Y, U5Z
SG	U6C, U6D, U6E, U6F, U6G, U6H, U6I, U6J, U6K, U6L, U6M, U6N, U6O, U6P, U6Q, U6R, U6S, U6T, U6U, U6V, U6W, U6X, U6Y, U6Z
U21H	U7C, U7D, U7E, U7F, U7G, U7H, U7I, U7J, U7K, U7L, U7M, U7N, U7O, U7P, U7Q, U7R, U7S, U7T, U7U, U7V, U7W, U7X, U7Y, U7Z
V21	U8C, U8D, U8E, U8F, U8G, U8H, U8I, U8J, U8K, U8L, U8M, U8N, U8O, U8P, U8Q, U8R, U8S, U8T, U8U, U8V, U8W, U8X, U8Y, U8Z
Y1	U9C, U9D, U9E, U9F, U9G, U9H, U9I, U9J, U9K, U9L, U9M, U9N, U9O, U9P, U9Q, U9R, U9S, U9T, U9U, U9V, U9W, U9X, U9Y, U9Z

POWER AND GROUND PIN LOCATIONS

CHIP N°	PIN N°				
	5 -	5 -	12 -	12	GND
U5F, U7F	5				31
U20F	11				22
U1A, U1B, U1C, U1E, U1F, U1G, U1H, U1J, U1K, U1L, U1M, U1N, U1O, U1P, U1Q, U1R, U1S, U1T, U1U, U1V, U1W, U1X, U1Y, U1Z, U2A, U2B, U2C, U2D, U2E, U2F, U2G, U2H, U2I, U2J, U2K, U2L, U2M, U2N, U2O, U2P, U2Q, U2R, U2S, U2T, U2U, U2V, U2W, U2X, U2Y, U2Z, U3A, U3B, U3C, U3D, U3E, U3F, U3G, U3H, U3I, U3J, U3K, U3L, U3M, U3N, U3O, U3P, U3Q, U3R, U3S, U3T, U3U, U3V, U3W, U3X, U3Y, U3Z, U4A, U4B, U4C, U4D, U4E, U4F, U4G, U4H, U4I, U4J, U4K, U4L, U4M, U4N, U4O, U4P, U4Q, U4R, U4S, U4T, U4U, U4V, U4W, U4X, U4Y, U4Z, U5A, U5B, U5C, U5D, U5E, U5F, U5G, U5H, U5I, U5J, U5K, U5L, U5M, U5N, U5O, U5P, U5Q, U5R, U5S, U5T, U5U, U5V, U5W, U5X, U5Y, U5Z, U6A, U6B, U6C, U6D, U6E, U6F, U6G, U6H, U6I, U6J, U6K, U6L, U6M, U6N, U6O, U6P, U6Q, U6R, U6S, U6T, U6U, U6V, U6W, U6X, U6Y, U6Z, U7A, U7B, U7C, U7D, U7E, U7F, U7G, U7H, U7I, U7J, U7K, U7L, U7M, U7N, U7O, U7P, U7Q, U7R, U7S, U7T, U7U, U7V, U7W, U7X, U7Y, U7Z, U8A, U8B, U8C, U8D, U8E, U8F, U8G, U8H, U8I, U8J, U8K, U8L, U8M, U8N, U8O, U8P, U8Q, U8R, U8S, U8T, U8U, U8V, U8W, U8X, U8Y, U8Z, U9A, U9B, U9C, U9D, U9E, U9F, U9G, U9H, U9I, U9J, U9K, U9L, U9M, U9N, U9O, U9P, U9Q, U9R, U9S, U9T, U9U, U9V, U9W, U9X, U9Y, U9Z, U0A, U0B, U0C, U0D, U0E, U0F, U0G, U0H, U0I, U0J, U0K, U0L, U0M, U0N, U0O, U0P, U0Q, U0R, U0S, U0T, U0U, U0V, U0W, U0X, U0Y, U0Z	14			7	
U21B					
U5D, U4D, U3A, U0A, U0F, U0I, U1D, U0C, U0E, U0H, U1A, U1C, U0G, U0J, U0K, U0L, U0M, U0N, U0P, U0Q, U0R, U0S, U0T, U0U, U0V, U0W, U0X, U0Y, U0Z, U1B, U1C, U1E, U1F, U1G, U1H, U1J, U1K, U1L, U1M, U1N, U1O, U1P, U1Q, U1R, U1S, U1T, U1U, U1V, U1W, U1X, U1Y, U1Z, U2B, U2C, U2D, U2E, U2F, U2G, U2H, U2I, U2J, U2K, U2L, U2M, U2N, U2O, U2P, U2Q, U2R, U2S, U2T, U2U, U2V, U2W, U2X, U2Y, U2Z, U3B, U3C, U3D, U3E, U3F, U3G, U3H, U3I, U3J, U3K, U3L, U3M, U3N, U3O, U3P, U3Q, U3R, U3S, U3T, U3U, U3V, U3W, U3X, U3Y, U3Z, U4B, U4C, U4D, U4E, U4F, U4G, U4H, U4I, U4J, U4K, U4L, U4M, U4N, U4O, U4P, U4Q, U4R, U4S, U4T, U4U, U4V, U4W, U4X, U4Y, U4Z, U5B, U5C, U5D, U5E, U5F, U5G, U5H, U5I, U5J, U5K, U5L, U5M, U5N, U5O, U5P, U5Q, U5R, U5S, U5T, U5U, U5V, U5W, U5X, U5Y, U5Z, U6B, U6C, U6D, U6E, U6F, U6G, U6H, U6I, U6J, U6K, U6L, U6M, U6N, U6O, U6P, U6Q, U6R, U6S, U6T, U6U, U6V, U6W, U6X, U6Y, U6Z, U7B, U7C, U7D, U7E, U7F, U7G, U7H, U7I, U7J, U7K, U7L, U7M, U7N, U7O, U7P, U7Q, U7R, U7S, U7T, U7U, U7V, U7W, U7X, U7Y, U7Z, U8B, U8C, U8D, U8E, U8F, U8G, U8H, U8I, U8J, U8K, U8L, U8M, U8N, U8O, U8P, U8Q, U8R, U8S, U8T, U8U, U8V, U8W, U8X, U8Y, U8Z, U9B, U9C, U9D, U9E, U9F, U9G, U9H, U9I, U9J, U9K, U9L, U9M, U9N, U9O, U9P, U9Q, U9R, U9S, U9T, U9U, U9V, U9W, U9X, U9Y, U9Z, U0B, U0C, U0D, U0E, U0F, U0G, U0H, U0I, U0J, U0K, U0L, U0M, U0N, U0O, U0P, U0Q, U0R, U0S, U0T, U0U, U0V, U0W, U0X, U0Y, U0Z	1C				
U3A, U1A, U4A, U0B, U0D, U1A, U1B, U1C, U1D, U1E, U1F, U1G, U1H, U1I, U1J, U1K, U1L, U1M, U1N, U1O, U1P, U1Q, U1R, U1S, U1T, U1U, U1V, U1W, U1X, U1Y, U1Z, U2A, U2B, U2C, U2D, U2E, U2F, U2G, U2H, U2I, U2J, U2K, U2L, U2M, U2N, U2O, U2P, U2Q, U2R, U2S, U2T, U2U, U2V, U2W, U2X, U2Y, U2Z, U3B, U3C, U3D, U3E, U3F, U3G, U3H, U3I, U3J, U3K, U3L, U3M, U3N, U3O, U3P, U3Q, U3R, U3S, U3T, U3U, U3V, U3W, U3X, U3Y, U3Z, U4B, U4C, U4D, U4E, U4F, U4G, U4H, U4I, U4J, U4K, U4L, U4M, U4N, U4O, U4P, U4Q, U4R, U4S, U4T, U4U, U4V, U4W, U4X, U4Y, U4Z, U5B, U5C, U5D, U5E, U5F, U5G, U5H, U5I, U5J, U5K, U5L, U5M, U5N, U5O, U5P, U5Q, U5R, U5S, U5T, U5U, U5V, U5W, U5X, U5Y, U5Z, U6B, U6C, U6D, U6E, U6F, U6G, U6H, U6I, U6J, U6K, U6L, U6M, U6N, U6O, U6P, U6Q, U6R, U6S, U6T, U6U, U6V, U6W, U6X, U6Y, U6Z, U7B, U7C, U7D, U7E, U7F, U7G, U7H, U7I, U7J, U7K, U7L, U7M, U7N, U7O, U7P, U7Q, U7R, U7S, U7T, U7U, U7V, U7W, U7X, U7Y, U7Z, U8B, U8C, U8D, U8E, U8F, U8G, U8H, U8I, U8J, U8K, U8L, U8M, U8N, U8O, U8P, U8Q, U8R, U8S, U8T, U8U, U8V, U8W, U8X, U8Y, U8Z, U9B, U9C, U9D, U9E, U9F, U9G, U9H, U9I, U9J, U9K, U9L, U9M, U9N, U9O, U9P, U9Q, U9R, U9S, U9T, U9U, U9V, U9W, U9X, U9Y, U9Z, U0B, U0C, U0D, U0E, U0F, U0G, U0H, U0I, U0J, U0K, U0L, U0M, U0N, U0O, U0P, U0Q, U0R, U0S, U0T, U0U, U0V, U0W, U0X, U0Y, U0Z	1B			5	
U5B, U4B, U3B, U0B, U0D, U1B, U1C, U1D, U1E, U1F, U1G, U1H, U1I, U1J, U1K, U1L, U1M, U1N, U1O, U1P, U1Q, U1R, U1S, U1T, U1U, U1V, U1W, U1X, U1Y, U1Z, U2B, U2C, U2D, U2E, U2F, U2G, U2H, U2I, U2J, U2K, U2L, U2M, U2N, U2O, U2P, U2Q, U2R, U2S, U2T, U2U, U2V, U2W, U2X, U2Y, U2Z, U3B, U3C, U3D, U3E, U3F, U3G, U3H, U3I, U3J, U3K, U3L, U3M, U3N, U3O, U3P, U3Q, U3R, U3S, U3T, U3U, U3V, U3W, U3X, U3Y, U3Z, U4B, U4C, U4D, U4E, U4F, U4G, U4H, U4I, U4J, U4K, U4L, U4M, U4N, U4O, U4P, U4Q, U4R, U4S, U4T, U4U, U4V, U4W, U4X, U4Y, U4Z, U5B, U5C, U5D, U5E, U5F, U5G, U5H, U5I, U5J, U5K, U5L, U5M, U5N, U5O, U5P, U5Q, U5R, U5S, U5T, U5U, U5V, U5W, U5X, U5Y, U5Z, U6B, U6C, U6D, U6E, U6F, U6G, U6H, U6I, U6J, U6K, U6L, U6M, U6N, U6O, U6P, U6Q, U6R, U6S, U6T, U6U, U6V, U6W, U6X, U6Y, U6Z, U7B, U7C, U7D, U7E, U7F, U7G, U7H, U7I, U7J, U7K, U7L, U7M, U7N, U7O, U7P, U7Q, U7R, U7S, U7T, U7U, U7V, U7W, U7X, U7Y, U7Z, U8B, U8C, U8D, U8E, U8F, U8G, U8H, U8I, U8J, U8K, U8L, U8M, U8N, U8O, U8P, U8Q, U8R, U8S, U8T, U8U, U8V, U8W, U8X, U8Y, U8Z, U9B, U9C, U9D, U9E, U9F, U9G, U9H, U9I, U9J, U9K, U9L, U9M, U9N, U9O, U9P, U9Q, U9R, U9S, U9T, U9U, U9V, U9W, U9X, U9Y, U9Z, U0B, U0C, U0D, U0E, U0F, U0G, U0H, U0I, U0J, U0K, U0L, U0M, U0N, U0O, U0P, U0Q, U0R, U0S, U0T, U0U, U0V, U0W, U0X, U0Y, U0Z	20			10	
U5C, U4C, U3C, U0C, U0E, U1C, U1D, U1E, U1F, U1G, U1H, U1I, U1J, U1K, U1L, U1M, U1N, U1O, U1P, U1Q, U1R, U1S, U1T, U1U, U1V, U1W, U1X, U1Y, U1Z, U2C, U2D, U2E, U2F, U2G, U2H, U2I, U2J, U2K, U2L, U2M, U2N, U2O, U2P, U2Q, U2R, U2S, U2T, U2U, U2V, U2W, U2X, U2Y, U2Z, U3C, U3D, U3E, U3F, U3G, U3H, U3I, U3J, U3K, U3L, U3M, U3N, U3O, U3P, U3Q, U3R, U3S, U3T, U3U, U3V, U3W, U3X, U3Y, U3Z, U4C, U4D, U4E, U4F, U4G, U4H, U4I, U4J, U4K, U4L, U4M, U4N, U4O, U4P, U4Q, U4R, U4S, U4T, U4U, U4V, U4W, U4X, U4Y, U4Z, U5C, U5D, U5E, U5F, U5G, U5H, U5I, U5J, U5K, U5L, U5M, U5N, U5O, U5P, U5Q, U5R, U5S, U5T, U5U, U5V, U5W, U5X, U5Y, U5Z, U6C, U6D, U6E, U6F, U6G, U6H, U6I, U6J, U6K, U6L, U6M, U6N, U6O, U6P, U6Q, U6R, U6S, U6T, U6U, U6V, U6W, U6X, U6Y, U6Z, U7C, U7D, U7E, U7F, U7G, U7H, U7I, U7J, U7K, U7L, U7M, U7N, U7O, U7P, U7Q, U7R, U7S, U7T, U7U, U7V, U7W, U7X, U7Y, U7Z, U8C, U8D, U8E, U8F, U8G, U8H, U8I, U8J, U8K, U8L, U8M, U8N, U8O, U8P, U8Q, U8R, U8S, U8T, U8U, U8V, U8W, U8X, U8Y, U8Z, U9C, U9D, U9E, U9F, U9G, U9H, U9I, U9J, U9K, U9L, U9M, U9N, U9O, U9P, U9Q, U9R, U9S, U9T, U9U, U9V, U9W, U9X, U9Y, U9Z, U0C, U0D, U0E, U0F, U0G, U0H, U0I, U0J, U0K, U0L, U0M, U0N, U0O, U0P, U0Q, U0R, U0S, U0T, U0U, U0V, U0W, U0X, U0Y, U0Z	24			12	
U4G	24				5
U0G, U1G				14	1
				7	7

CONTROLLER CHIP LOCATION



Derived from 00-250

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Commercial Terminals
Figure A.1 3100
Controller Components