

Model 2000

Kluge Card

**INSTRUCTION MANUAL**

February, 1987

(C) 1977, 1987  
Copyright by  
KineticSystems Corporation  
Lockport, Illinois  
All rights reserved

\*\*\*\* SPECIAL OPTION \*\*\*\*

Model 2000-S004

March 1985

Model 2000-S004

\*\*\*\* SPECIAL OPTION \*\*\*\*

Model 2000-S004

The 2000-S004 is a KineticSystems kluge card with a 50-contact "D" type connector mounted on the front panel. CAMAC Dataway power ( $\pm 5$  volts,  $\pm 12$  volts, and  $\pm 24$  volts) is available on the connector pins as indicated on the attached Engineering drawings.

Schematic #02263-A-4330

Model 2000-S008

\*\*\* Special Option \*\*\*

August 1985

Model 2000-S008

\*\*\*Special Option\*\*\*

Model 2000-S008

The Model 2000-S008 is a 2000-P1B with a 52-pin, double-density "D" ("2DB") type connector mounted to the module front panel. The contact arrangement on this connector is uncommitted.

August 1985

**\*\*\*SPECIAL OPTION\*\*\***

Model 2000-S010

Kluge Card

December, 1989

(C) 1973,77,78,79,81,84,85,87,89

Copyright by  
KineticSystems Corporation  
Lockport, Illinois  
All rights reserved

Page 1S of 2S

Model 2000-S010

**\*\*\*SPECIAL OPTION\*\*\***

Model 2000-S010

Kluge Card

The Model 2000-S010 is the same as the Model 2000-D1B except that the front panel is three (3) CAMAC widths in size.

The printed circuit board is mounted in the right-hand-most slot position that the front panel allows.

MLH;rem(WP/mlh)  
December 12, 1989

**\*\*\*SPECIAL OPTION\*\*\***

Model 2000-S012

Kluge Card

November, 1987

© 1973, 1977, 1978, 1979, 1981, 1982, 1984, 1985, 1987  
Copyright by  
KineticSystems Corporation  
Lockport, Illinois  
All rights reserved

Page 1S of 2



Model 2000-S012

**\*\*\*Special Option\*\*\***

Model 2000-S012

Kluge Card

The Model 2000-S012 is the same as the Model 2000-D1B except that the jackscrews have been left off for later installation by the end user.

MLH:rem(2000 Ser. 12)  
November 19, 1987

**\*\*\*SPECIAL OPTION\*\*\***

Model 2000-S013

Kluge Card

November, 1987

© 1973, 1977, 1978, 1979, 1981, 1982, 1984, 1985, 1987  
Copyright by  
KineticSystems Corporation  
Lockport, Illinois  
All rights reserved

Model 2000-S013

**\*\*\*Special Option\*\*\***

Model 2000-S013

Kluge Card

The Model 2000-S013 is the same as the Model 2000-D1B except that the front panel is two (2) CAMAC widths in size and the jackscrew has been left off for later installation by the end user.

MLH:rem(2000 Ser. 12)  
November 19, 1987

**\*\*\*SPECIAL OPTION\*\*\***

Model 2000-S014

Kluge Card

November, 1987

©1973, 1977, 1978, 1979, 1981, 1982, 1984, 1985, 1987  
Copyright by  
KineticSystems Corporation  
Lockport, Illinois  
All rights reserved

Model 2000-S014

**\*\*\*Special Option\*\*\***

Model 2000-S014

Kluge Card

The Model 2000-S014 is the same as the Model 2000-D1B except that the front panel is three (3) CAMAC widths in size and the jackscrew has been left off for later installation by the end user.

MLH:rem(2000 Ser. 12)  
November 19, 1987

TABLE OF CONTENTS

<u>Item</u>	<u>Page</u>
Features and Applications. . . . .	1
General Description. . . . .	1
Ordering Information . . . . .	1
Warranty . . . . .	6

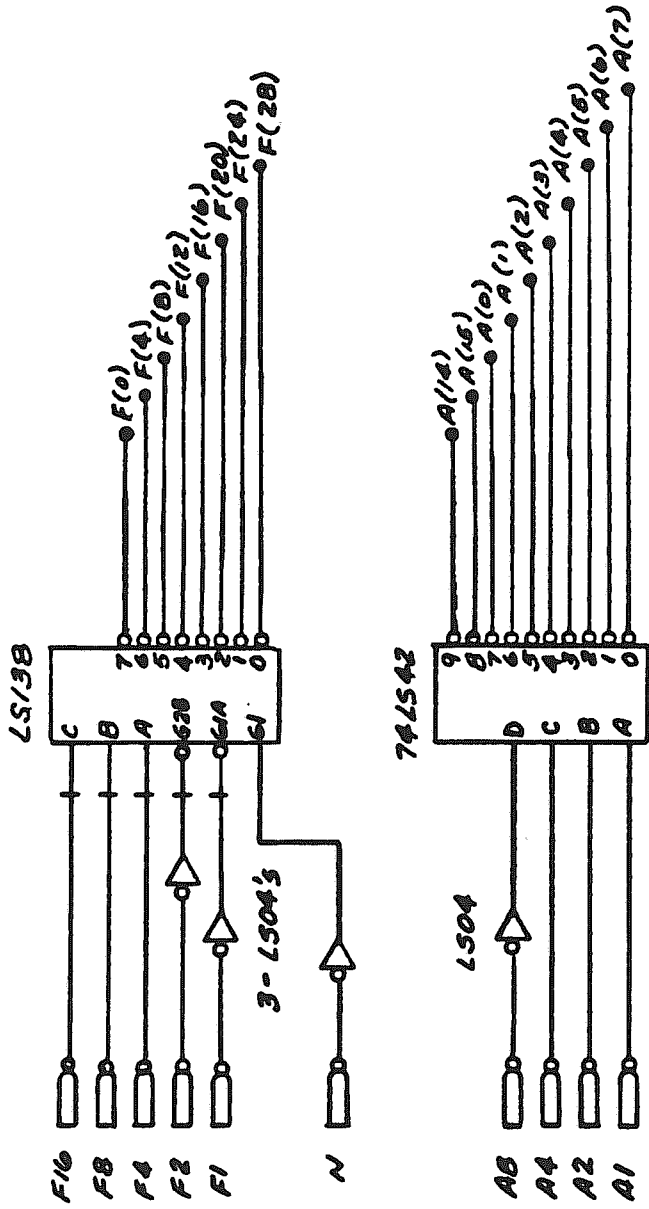
## Model 2000

The following three pages are schematics of sample subaddress and function decoding. The first schematic shows a simple subaddress and function decode using a 3 to 8 line decoder to decode the function lines and a BCD to decimal decoder to decode the subaddress lines.

The second example shows a PROM based function and subaddress decoding. The functions and subaddresses will be determined by the PROM contents. The additional outputs of the PROM are shown here to control the Q + X responses.

The third example shows a more complete decoding. Three 4 to 16 decoders are used to accomplish this decoding. The drawing also has the circuitry shown to provide an "N" LED to indicate that the module has been addressed.

REV	DESCRIPTION	DATE	BY	APP
-----	-------------	------	----	-----



# KineticSystems

LOGKPORT, ILLINOIS

TITLE

SAMPLE FUNCTION AND SUBADDRESS DECODING

DES.	S. KRBS	DRN.	WALT CLAPPER	11/3/82	SHT.	1	MODEL	UNIT	DRAWING NUMBER	REV.
CHK.		APP.			OF	1				



REV.	DESCRIPTION	DATE	BY	APP.
------	-------------	------	----	------

SEE NOTE 1

±5V

74-S 472

2-LS158's

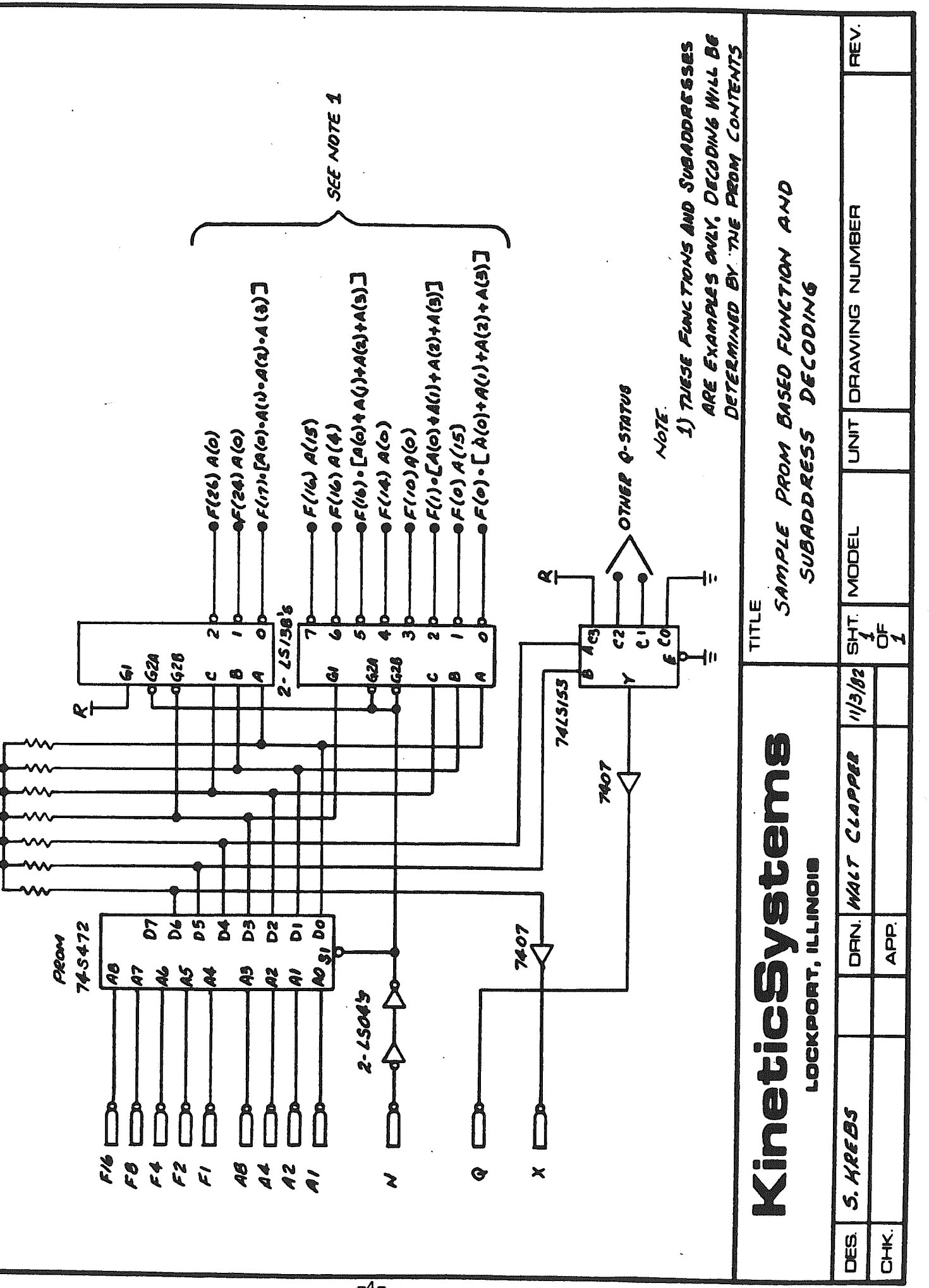
2-LS04's

74LS155

7407

7407

OTHER Q-STATUS



NOTE:

1) THESE FUNCTIONS AND SUBADDRESSES ARE EXAMPLES ONLY. DECODING WILL BE DETERMINED BY THE PROM CONTENTS

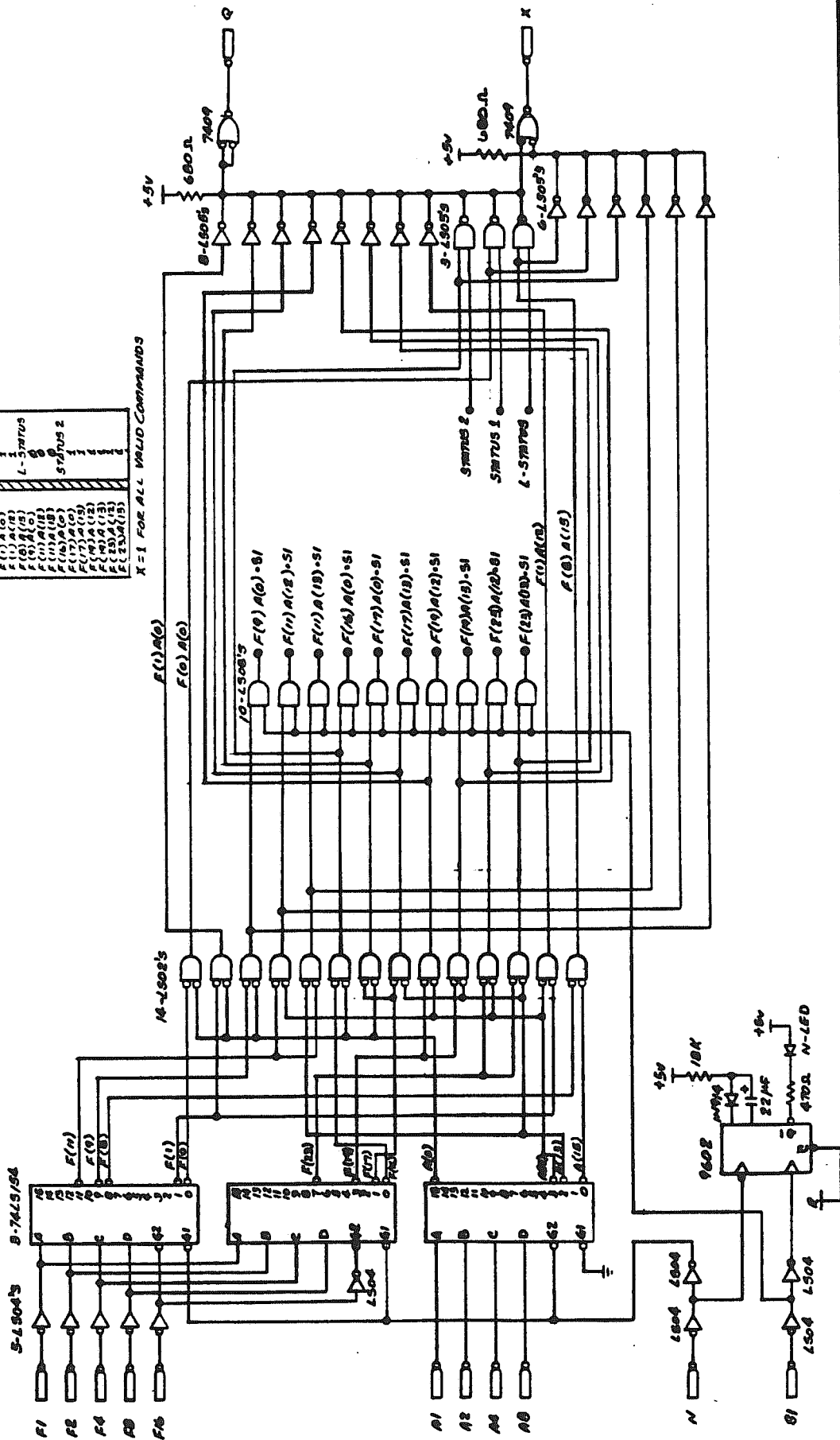
TITLE		SAMPLE PROM BASED FUNCTION AND SUBADDRESS DECODING	
DES. S. KREBS	DRN. WALT CLAPPER	UNIT	DRAWING NUMBER
CHK.	APP.	MODEL	REV.
		SHT. 1 OF 1	

KineticSystems		LOCKPORT, ILLINOIS	
11/3/82			

REV	DESCRIPTION	DATE	BY	APP

COMMAND	Q	STATUS 1
F(0)A(0)	1	1
F(1)A(1)	1	1
F(2)A(2)	1	1
F(3)A(3)	1	1
F(4)A(4)	1	1
F(5)A(5)	1	1
F(6)A(6)	1	1
F(7)A(7)	1	1
F(8)A(8)	1	1
F(9)A(9)	1	1
F(10)A(10)	1	1
F(11)A(11)	1	1
F(12)A(12)	1	1
F(13)A(13)	1	1
F(14)A(14)	1	1
F(15)A(15)	1	1
F(16)A(16)	1	1
F(17)A(17)	1	1
F(18)A(18)	1	1
F(19)A(19)	1	1
F(20)A(20)	1	1
F(21)A(21)	1	1
F(22)A(22)	1	1
F(23)A(23)	1	1
F(24)A(24)	1	1
F(25)A(25)	1	1
F(26)A(26)	1	1
F(27)A(27)	1	1
F(28)A(28)	1	1
F(29)A(29)	1	1
F(30)A(30)	1	1
F(31)A(31)	1	1

X = 1 FOR ALL VALID COMMANDS



<b>KineticSystems</b> LOCKPORT, ILLINOIS		TITLE						
		SAMPLE FUNCTION AND SUBADDRESS DECODING						
DES	S. AREBS	DRN	MULT CLASSED	1/4M/2Z	SHT	UNIT	DRAWING NUMBER	REV.
CHK					OF			
					1			