

## 6.2 COORDINATE SYSTEM

RD-GL II COMMAND

### 6.2.1 Coordinate System And Maximum Plotting Area

As shown in Fig. 6-4, the coordinate system has X-axis for the horizontal direction and Y-axis for the vertical direction. And it indicates the coordinate values of X-axis and Y-axis like (1000, 2000) when indicating one specific point on the plane surface.

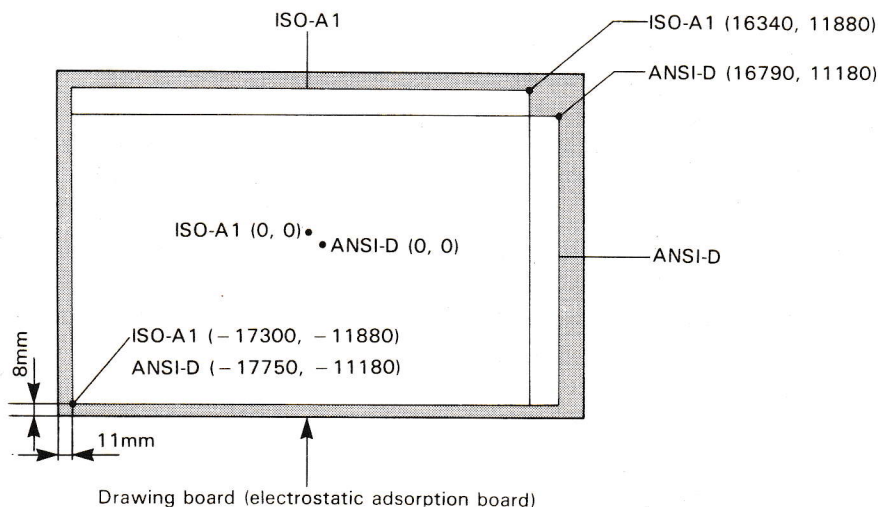


Fig. 6-4

The maximum plotting area (whole area in which drawing can be done) varies from a plotting paper to another. ANSI-D and ISO-A1 in Fig. 6-4 represents the sizes of plotting papers. Switching these paper sizes can be done by setting the DIP Switch 1-⑦. (For more information, see 10.1 "LIST OF DIP SWITCH SETTINGS" in CHAPTER 10.) The maximum plotting area is the same as the sizes of each paper as shown in Table 6-1, and drawing can be done over the entire paper area.

Also, using the paper size setting functions (described in 3.6 "SETTING FUNCTIONS FOR PAPER SIZES" in CHAPTER 3), you can change the maximum plotting area up to the limit of pen carriage movements including ANSI-D and ISO-A1 sizes.

Paper	Size	Lower left	Upper right	P1 default value	P2 default value
ISO A1	841mm×594mm	(-17300, -11880)	(16340, 11880)	(-15540, -11080)	(15540, 11080)
ISO A2	594mm×420mm	(-12360, -8400)	(11400, 8400)	(-10600, -7600)	(10600, 7600)
ISO A3	420mm×297mm	(-8880, -5940)	(7920, 5940)	(-7120, -5140)	(7120, 5140)
ISO A4	210mm×297mm	(-4680, -5940)	(3720, 5940)	(-2920, -5140)	(2920, 5140)
ISO B2	728mm×515mm	(-15040, -10300)	(14080, 10300)	(-13280, -9500)	(13280, 9500)
ISO B3	515mm×364mm	(-10780, -7280)	(9820, 7280)	(-9020, -6480)	(9020, 6480)
ISO B4	364mm×257mm	(-7760, -5140)	(6800, 5140)	(-6000, -4340)	(6000, 4340)
ISO B5	182mm×257mm	(-4120, -5140)	(3160, 5140)	(-2360, -4340)	(2360, 4340)
ANSI D	34in.×22in.	(-17750, -11180)	(16790, 11180)	(-15990, -10380)	(15990, 10380)
ANSI C	22in.×17in.	(-11660, -8640)	(10700, 8640)	(-9900, -7840)	(9900, 7840)
ANSI B	17in.×11in.	(-9120, -5590)	(8160, 5590)	(-7360, -4790)	(7360, 4790)
ANSI A	8 1/2in.×11in.	(-4800, -5590)	(3840, 5590)	(-3040, -4790)	(3040, 4790)

Table 6-1