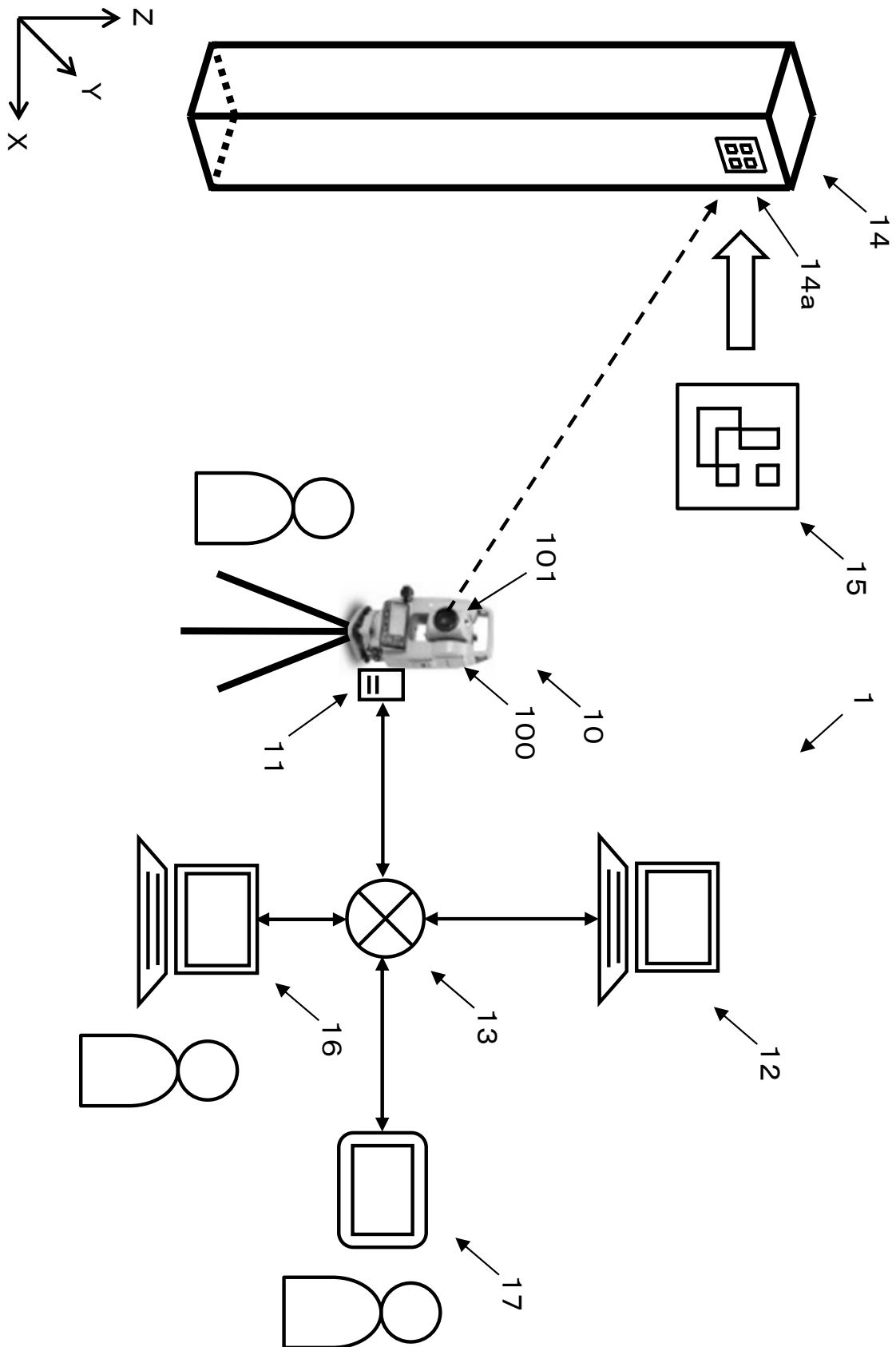
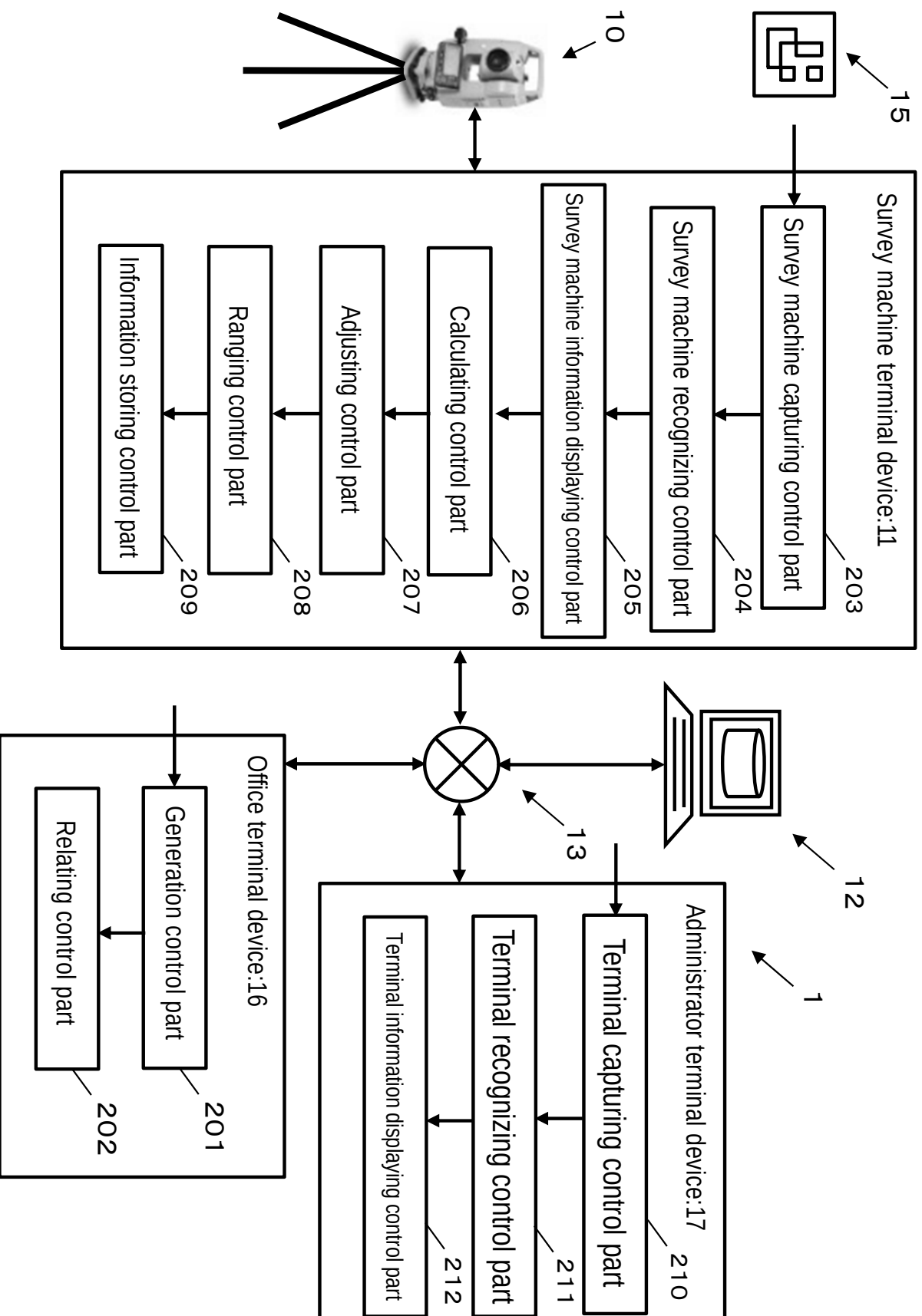


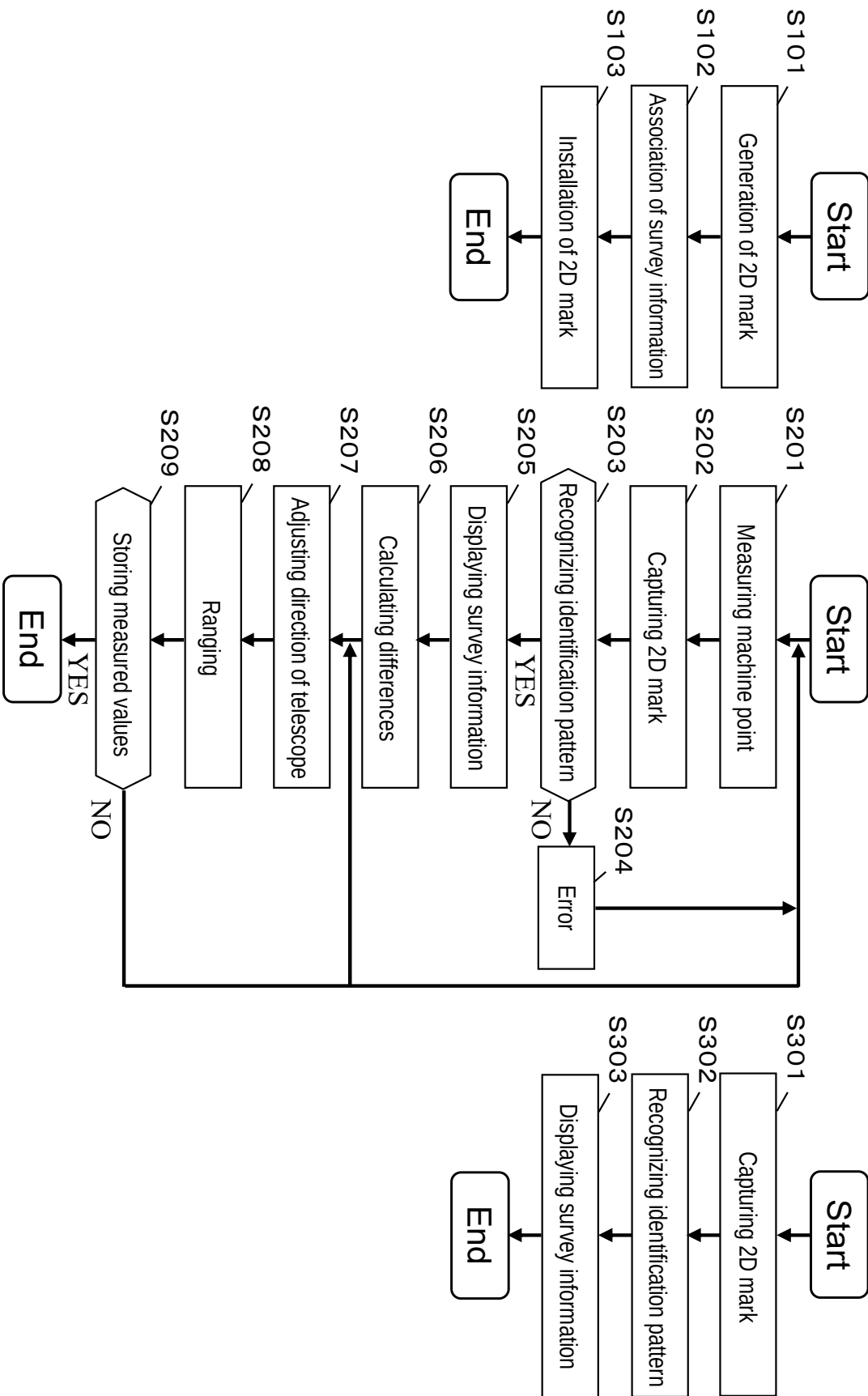
[Fig. 1]



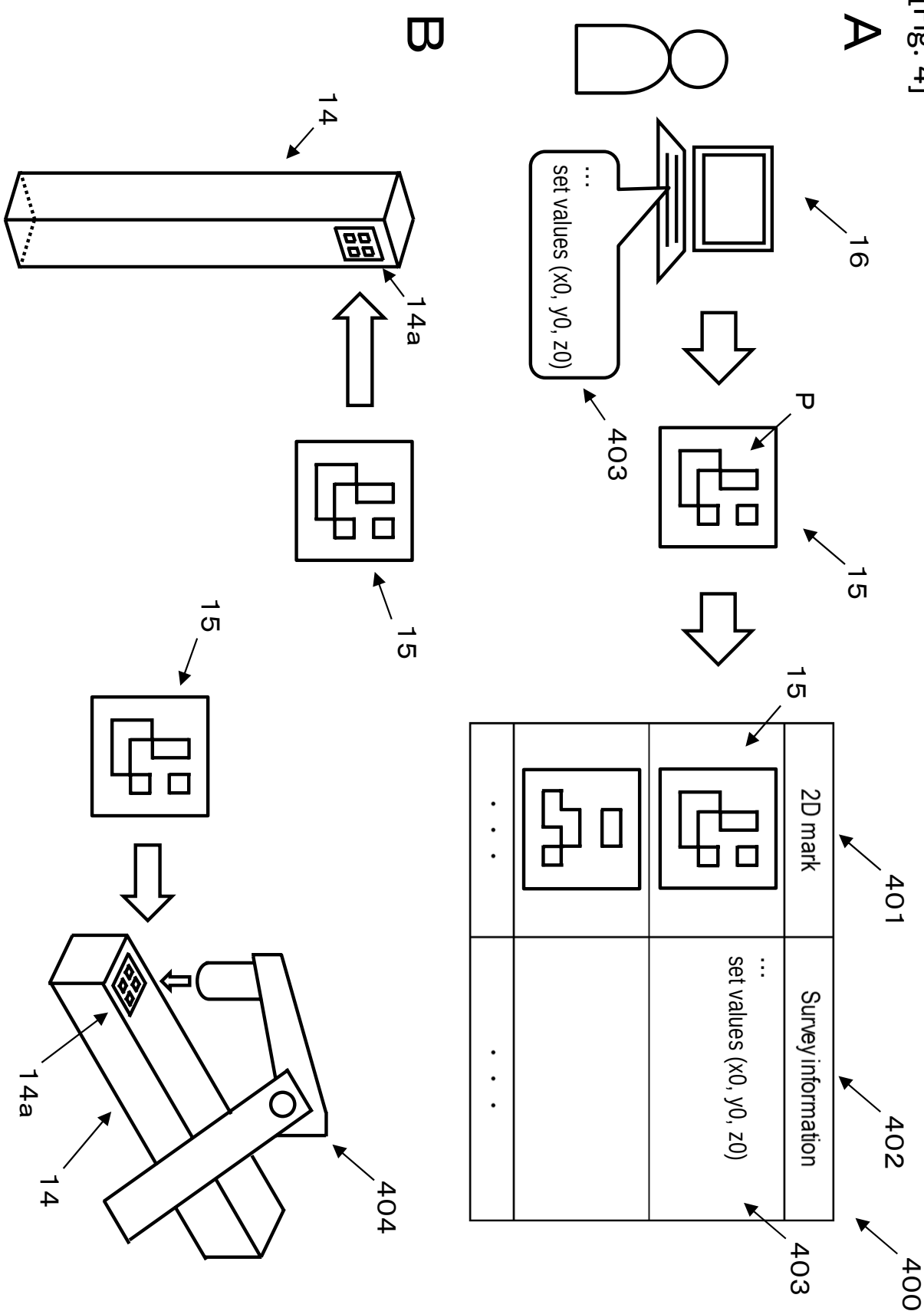
[Fig. 2]



[Fig. 3]

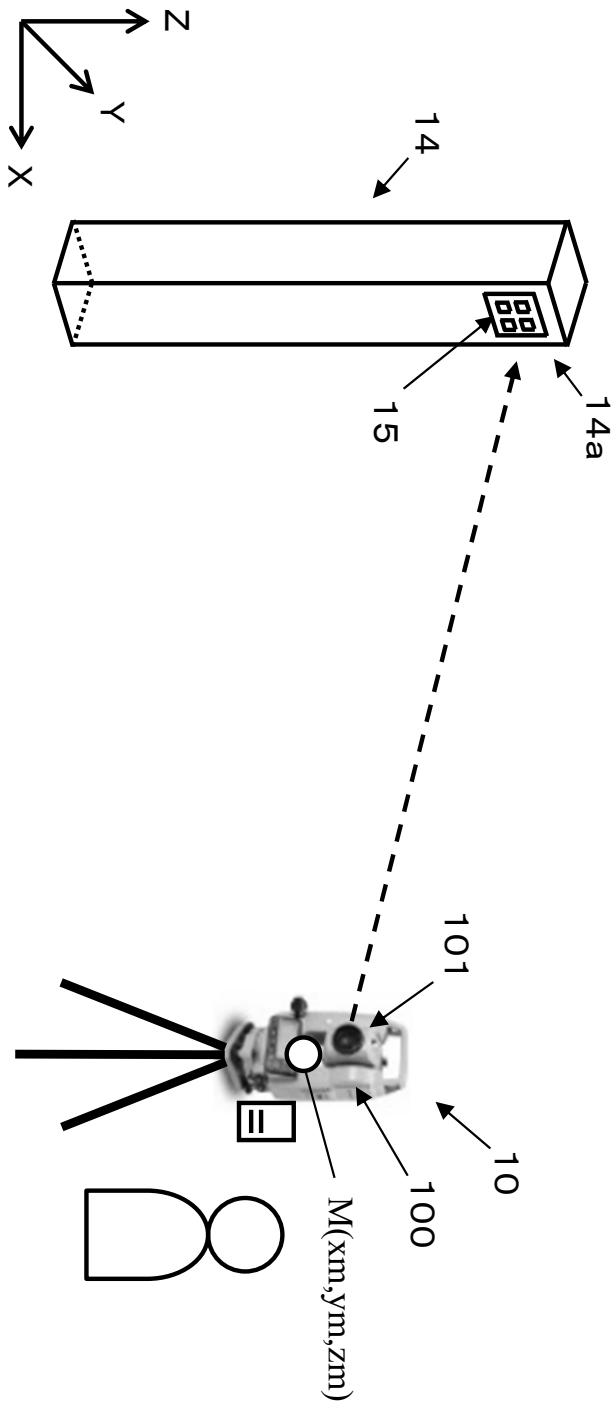


[Fig. 4]

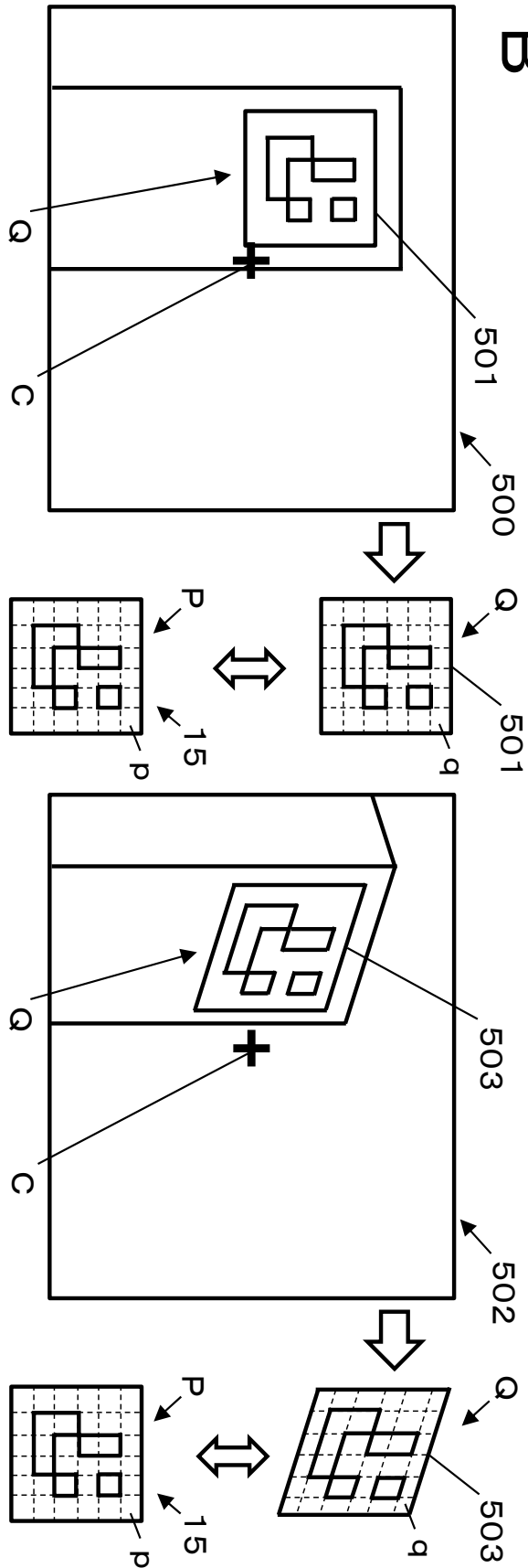


[Fig. 5]

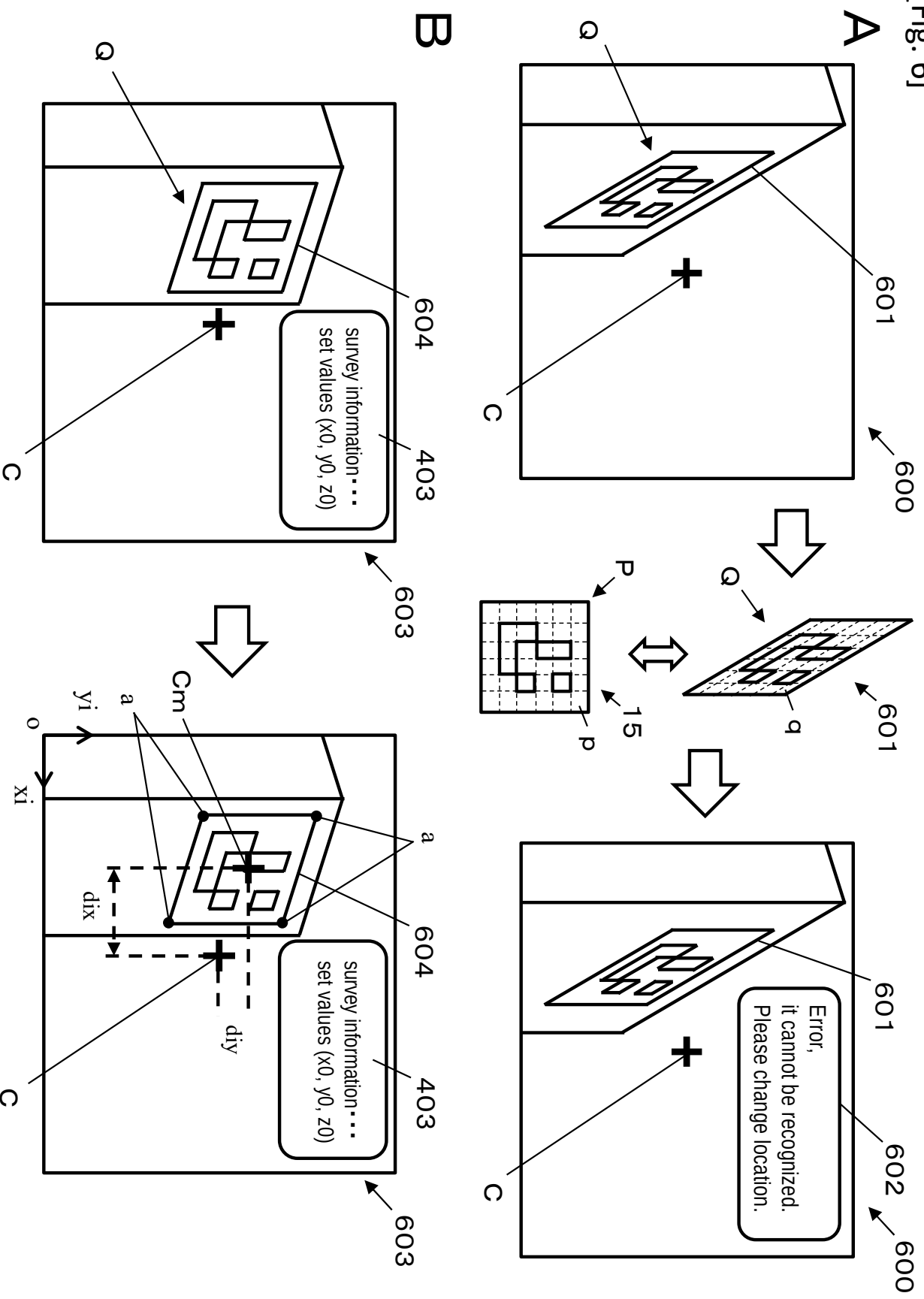
A



B



[Fig. 6]



[Fig. 7]

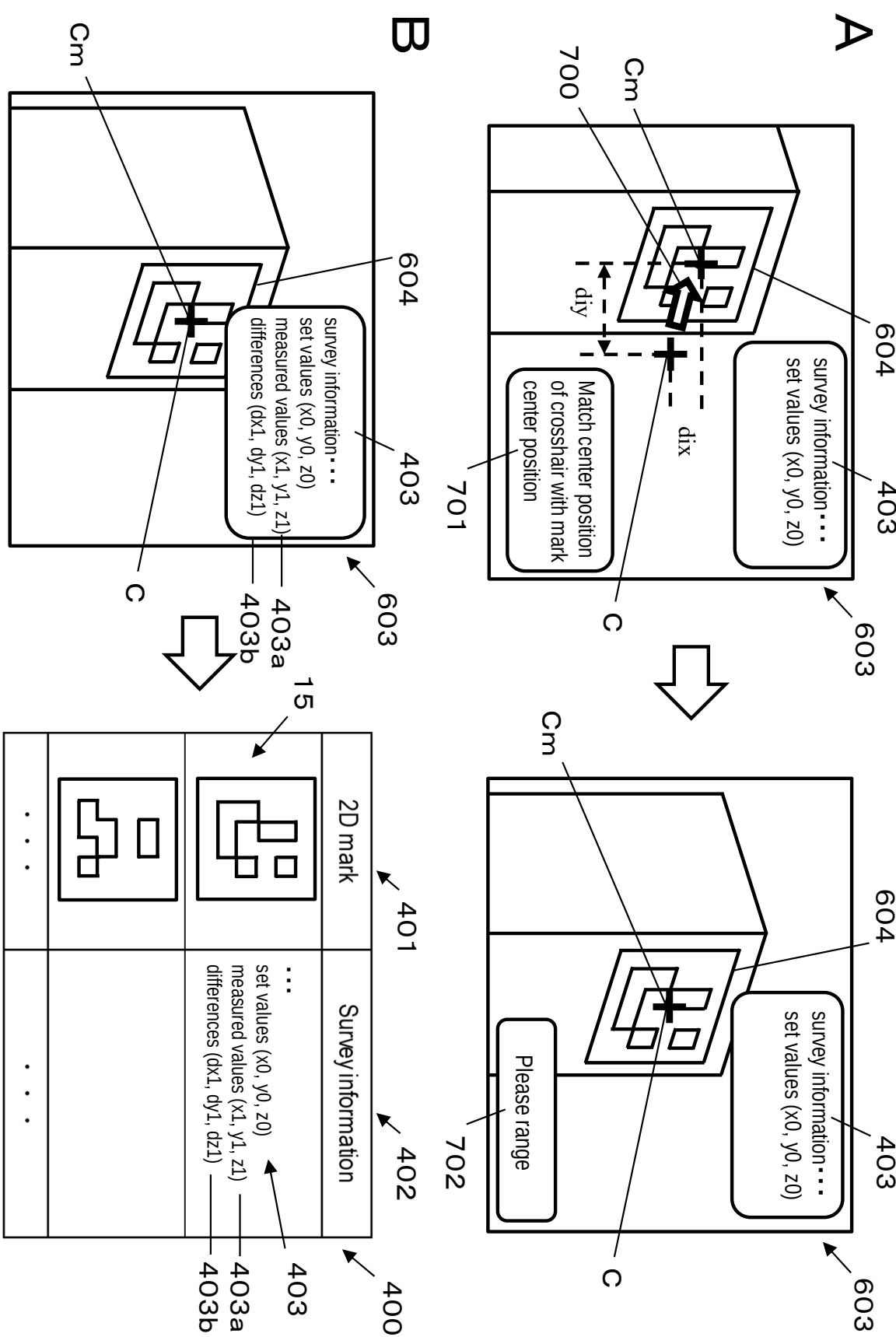


Figure 1: Overview of the system.

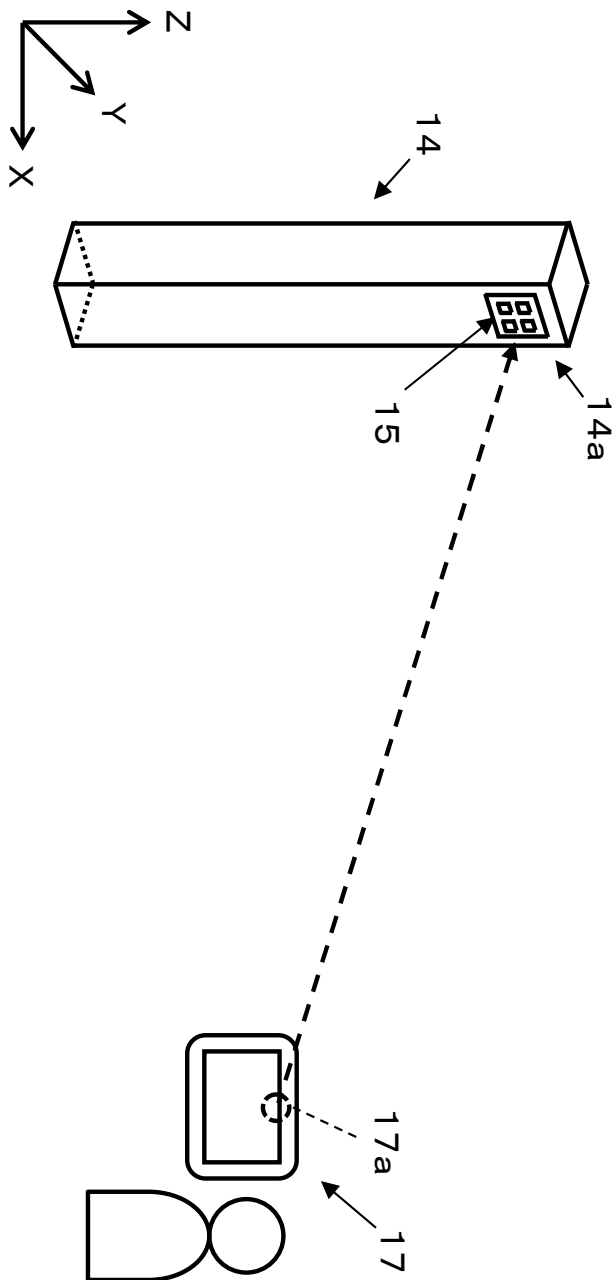
(A) A 3D perspective view of a control panel 600. It features a display area 603 showing "survey information" 403, which includes "set values ( $x_0, y_0, z_0$ )" 403c and "measured values ( $x_2, y_2, z_2$ ) differences ( $dx_2, dy_2, dz_2$ )" 403d. A "2D mark" 401 is visible on the panel. A "check mark" 800 is shown, indicating "Out of control values. Please check mark."

(B) A 2D top-down view of the panel 600, showing the "2D mark" 401 and the "survey information" 400. The "survey information" 400 is divided into columns for "2D mark" 401 and "Survey information" 402. The "Survey information" 402 column contains "set values ( $x_0, y_0, z_0$ )" 403, "measured values ( $x_2, y_2, z_2$ )" 403c, and "differences ( $dx_2, dy_2, dz_2$ )" 403d.

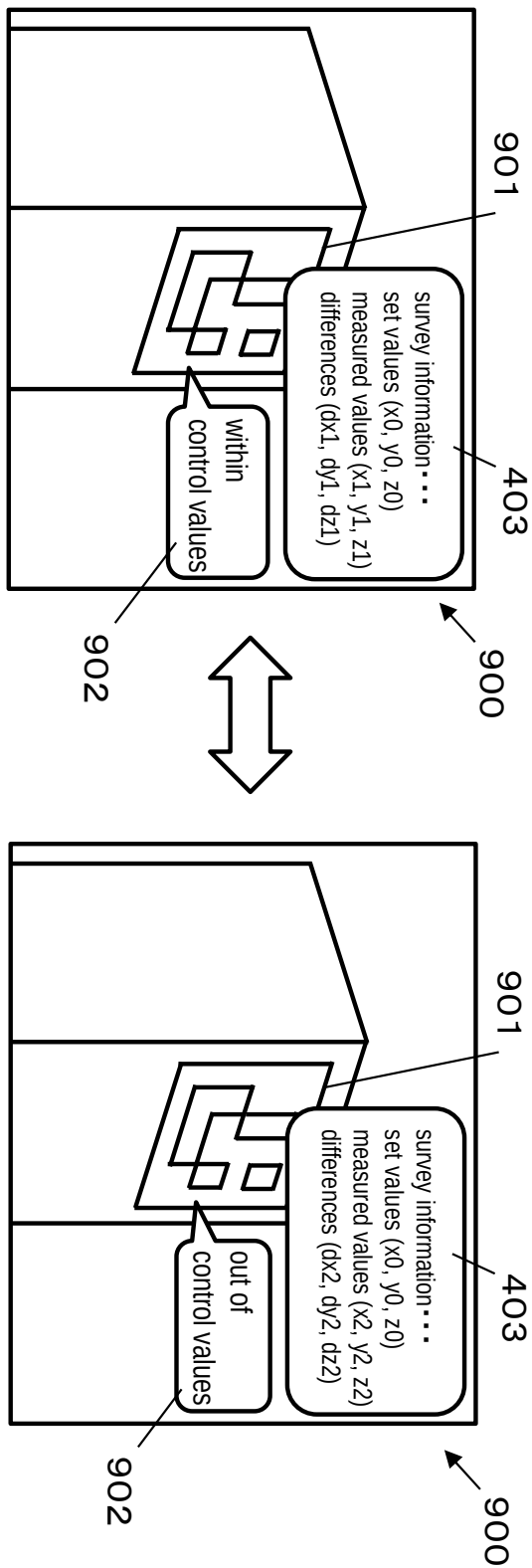


[Fig. 9]

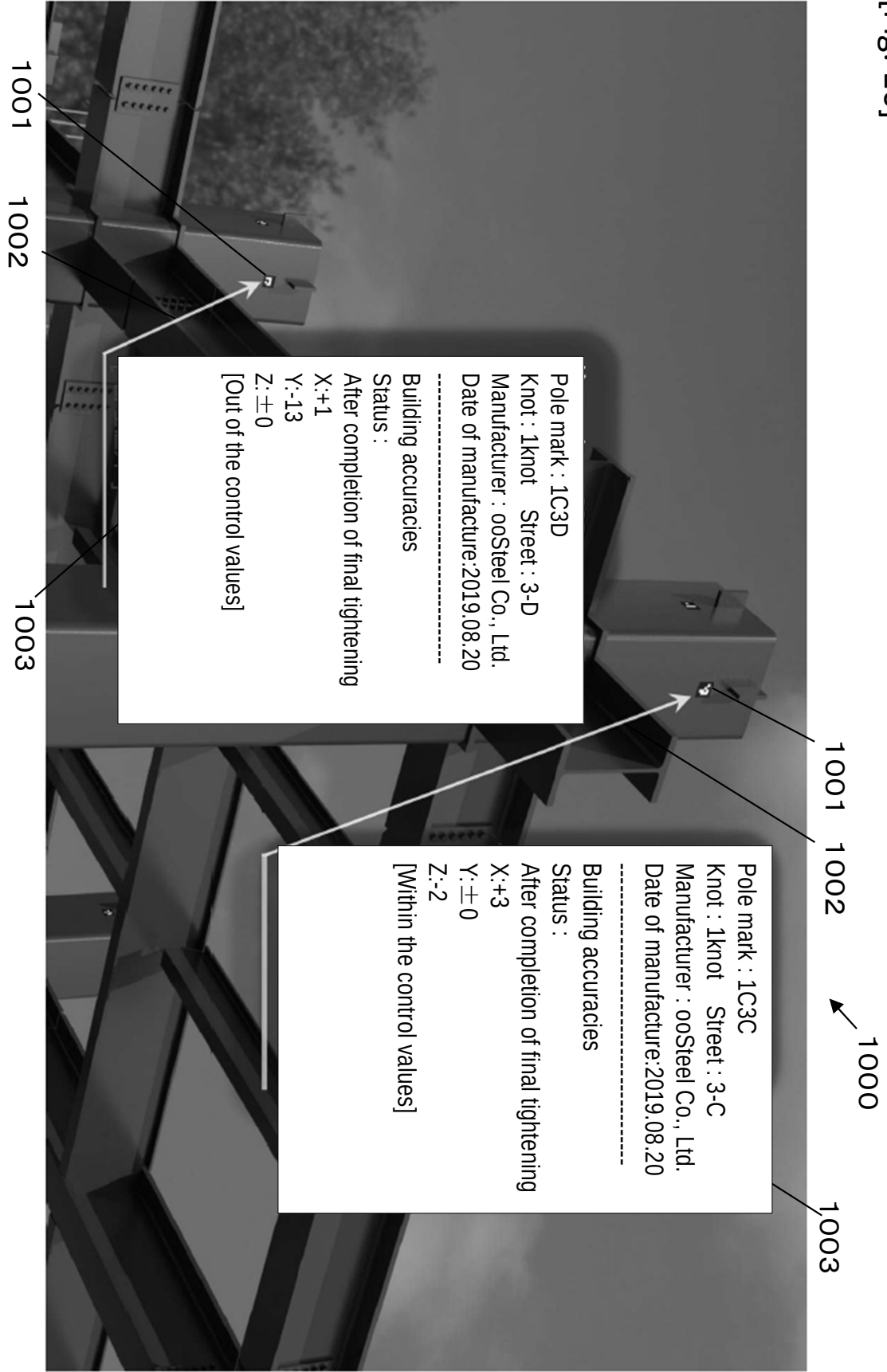
A



B

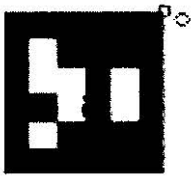
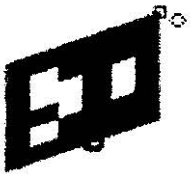
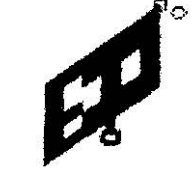


[Fig. 10]

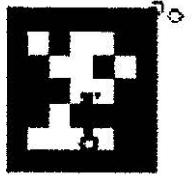
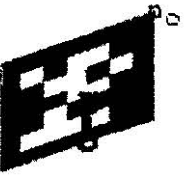
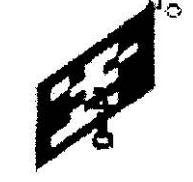
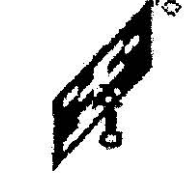


[Fig. 11]

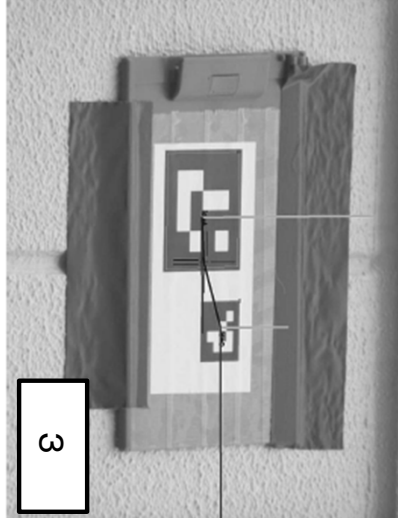
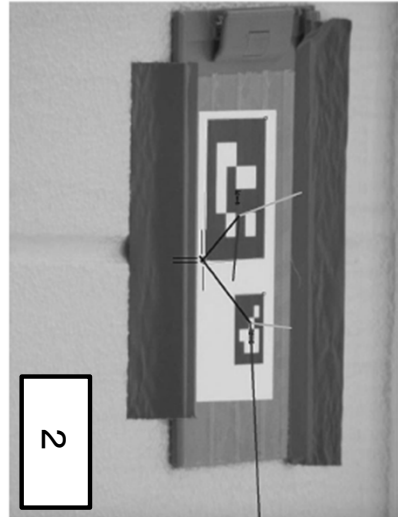
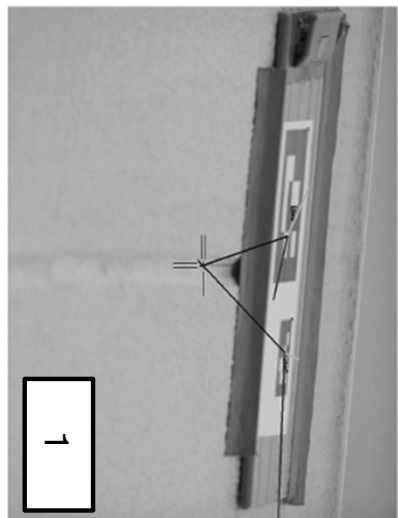
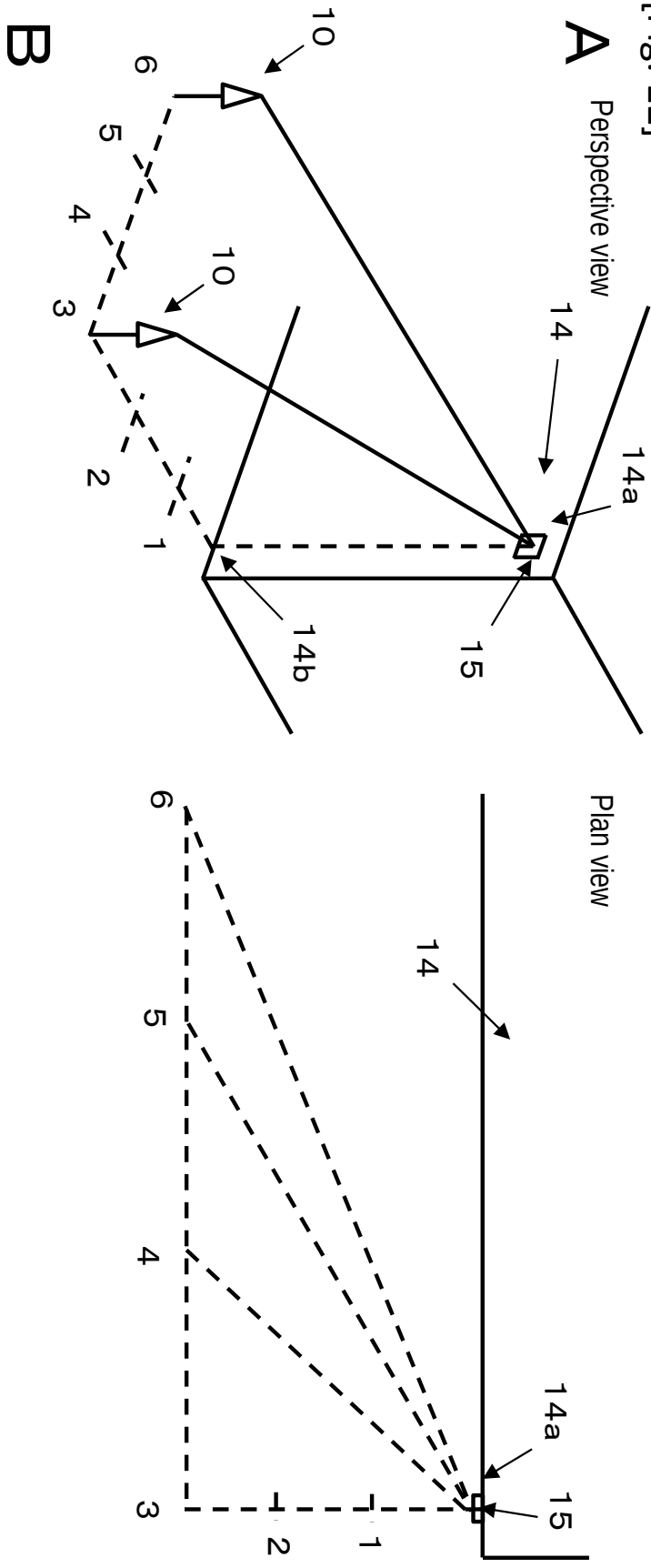
A

| Angle            | 0 degree                                                                           | 9 degrees                                                                           | 18 degrees                                                                           | 27 degrees                                                                           |
|------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Captured pattern |  |  |  |  |
| Detection rate   | <input type="radio"/>                                                              | <input type="radio"/>                                                               | <input type="radio"/>                                                                | <input type="radio"/>                                                                |
| Recognition rate | <input type="radio"/>                                                              | <input type="radio"/>                                                               | <input type="radio"/>                                                                | <input type="radio"/>                                                                |

B

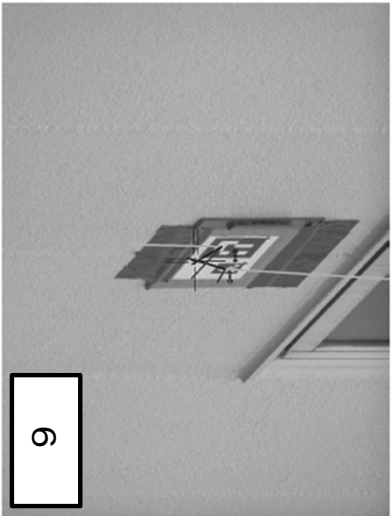
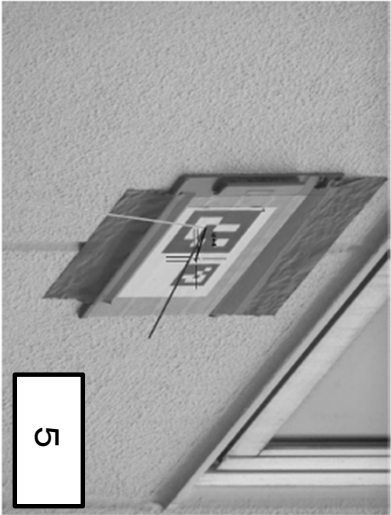
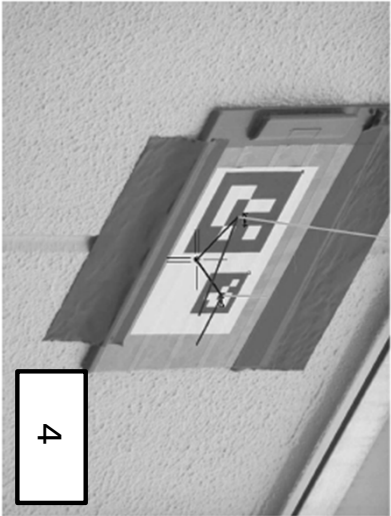
| Angle            | 0 degree                                                                          | 9 degrees                                                                          | 18 degrees                                                                          | 27 degrees                                                                          |
|------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Captured pattern |  |  |  |  |
| Detection rate   | <input type="radio"/>                                                             | <input type="radio"/>                                                              | <input type="radio"/>                                                               | <input type="radio"/>                                                               |
| Recognition rate | <input type="radio"/>                                                             | <input type="radio"/>                                                              | <input type="radio"/>                                                               | <input type="radio"/>                                                               |

[Fig. 12]



[Fig. 13]

A

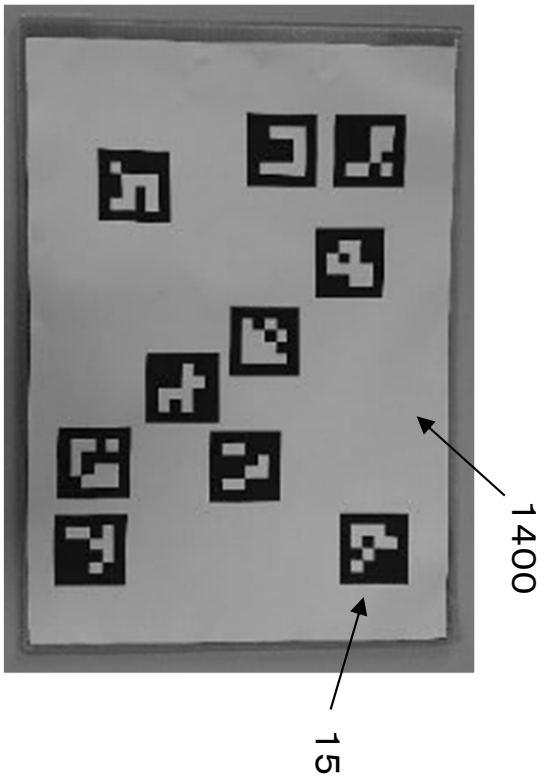


B

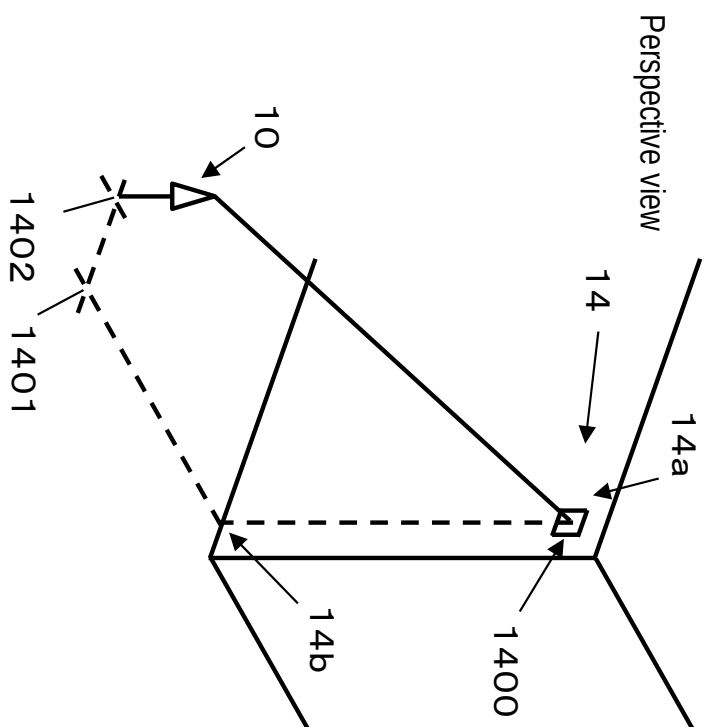
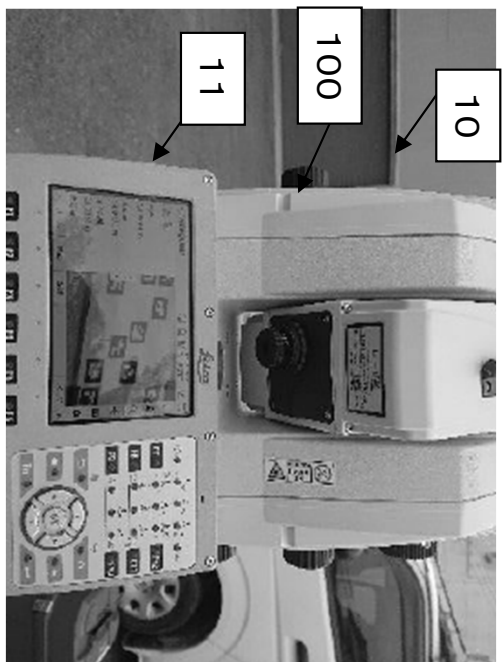
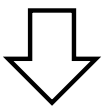
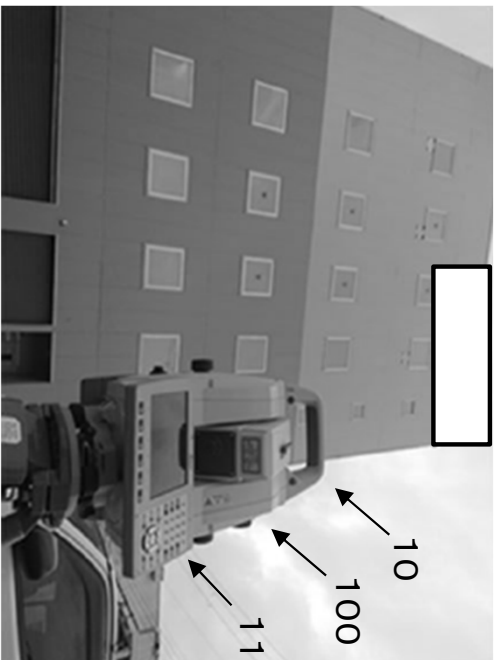
|              | Size | Installation position |   |   |   |   |   |
|--------------|------|-----------------------|---|---|---|---|---|
|              |      | 1                     | 2 | 3 | 4 | 5 | 6 |
| 2D mark      | 50   | ○                     | ○ | ○ | ○ | ○ | ○ |
|              | 100  | ○                     | ○ | ○ | ○ | ○ | ○ |
| Target sheet | 30   | ○                     | ○ | ○ | × | × | × |
|              | 50   | ○                     | ○ | ○ | × | × | × |

[Fig. 14]

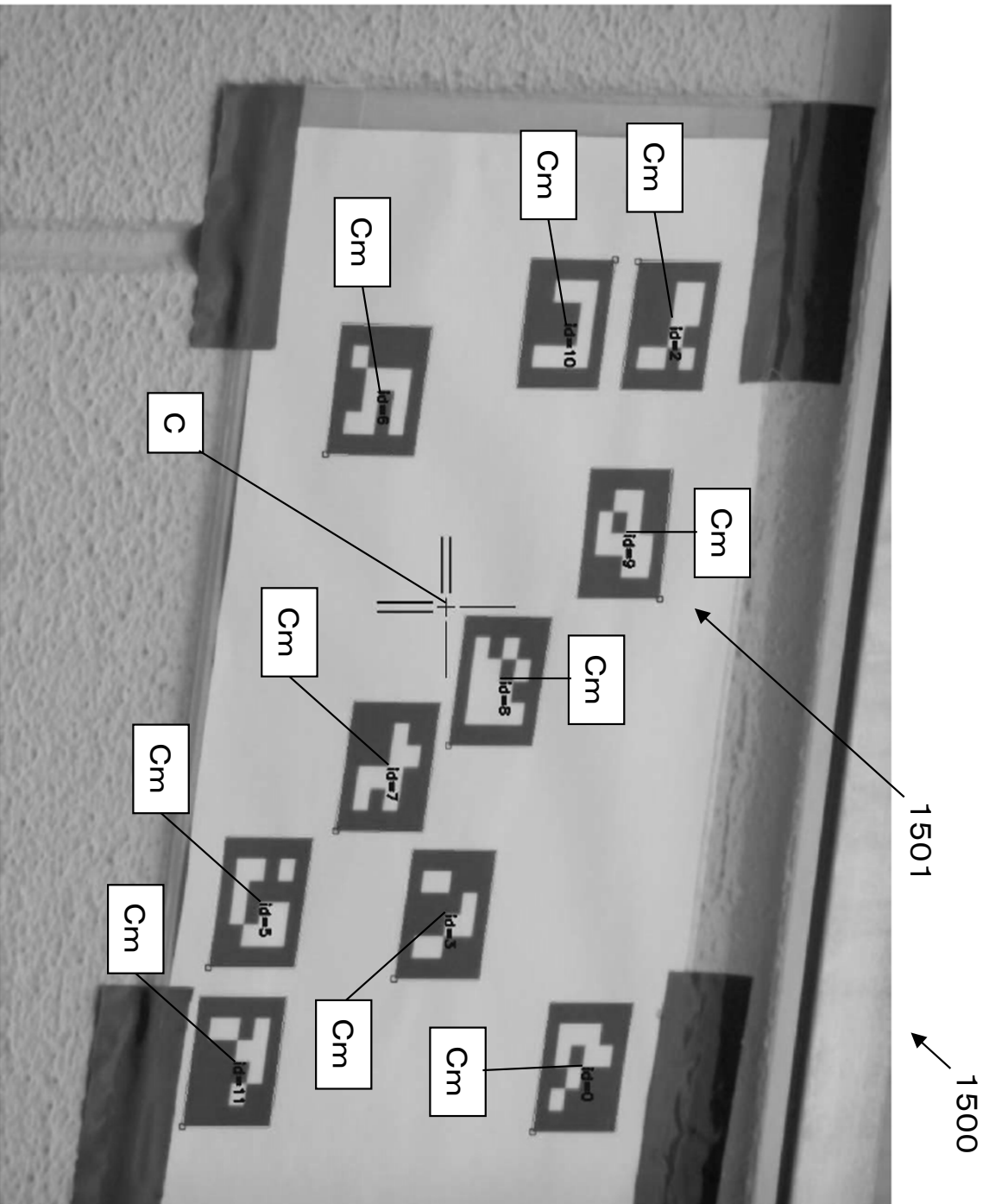
A



B

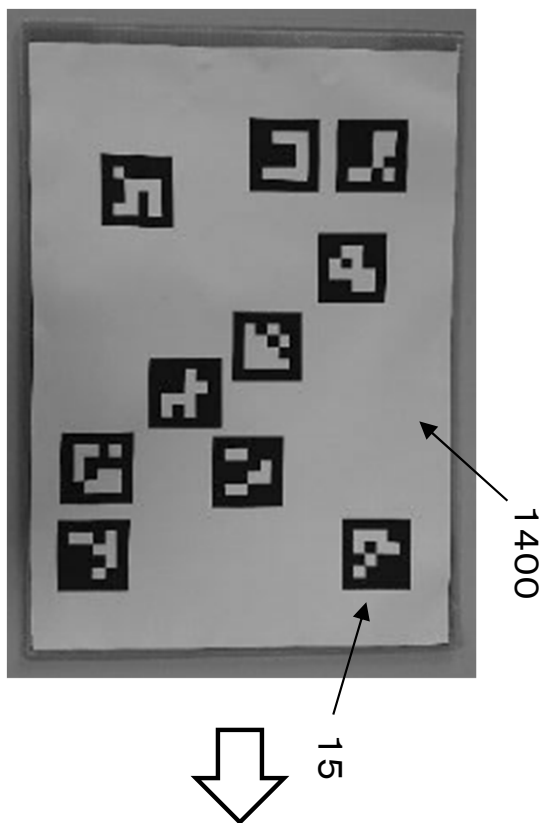


[Fig. 15]

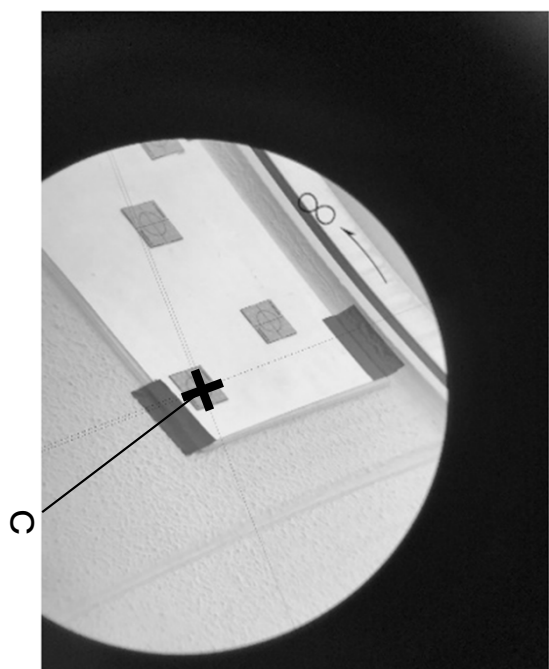
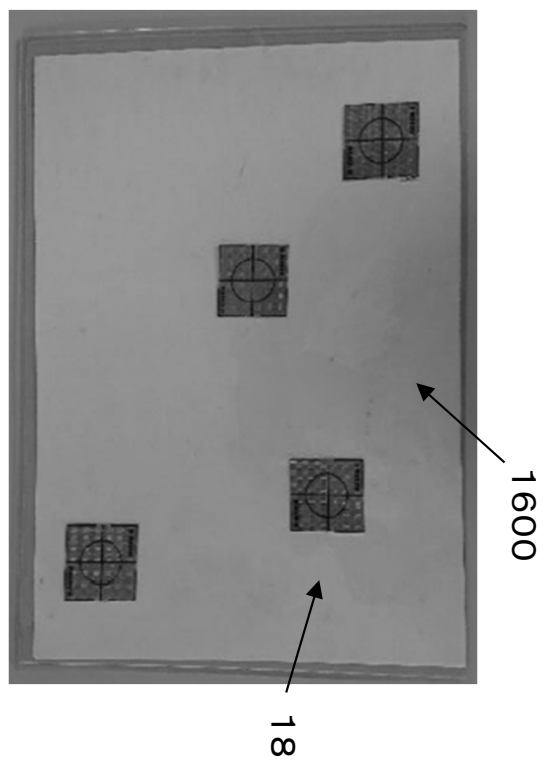
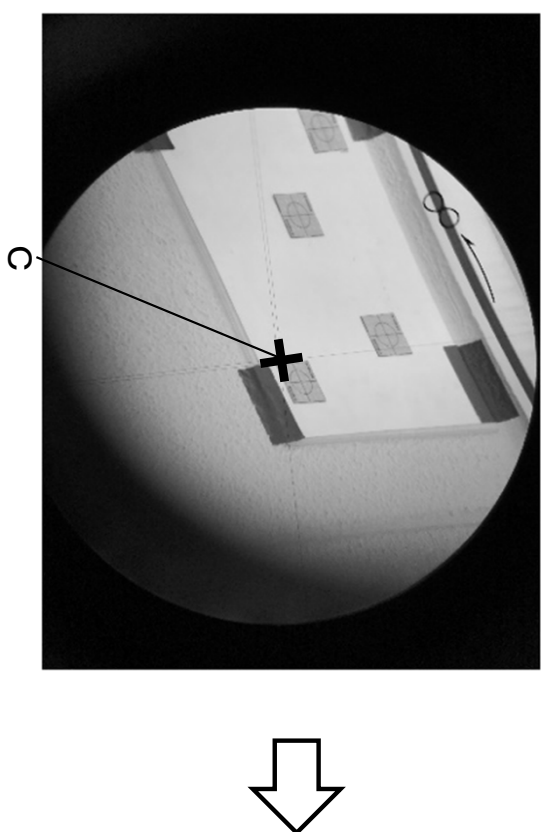


[Fig. 16]

A

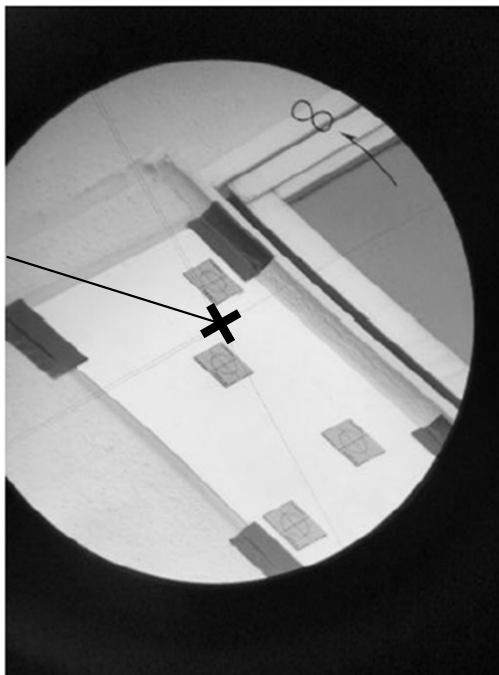
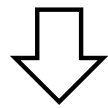
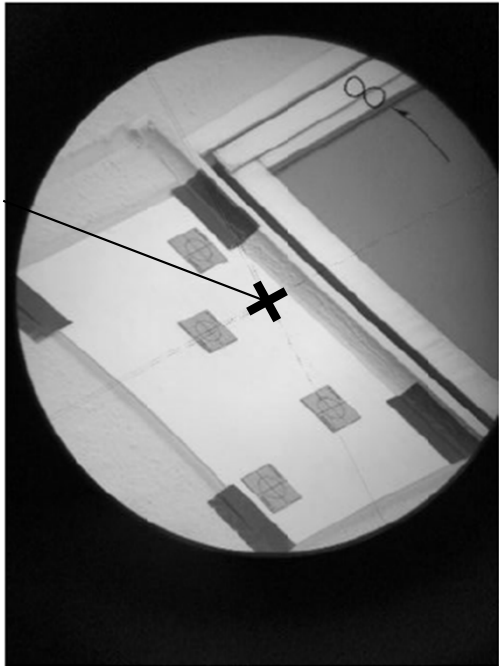


B

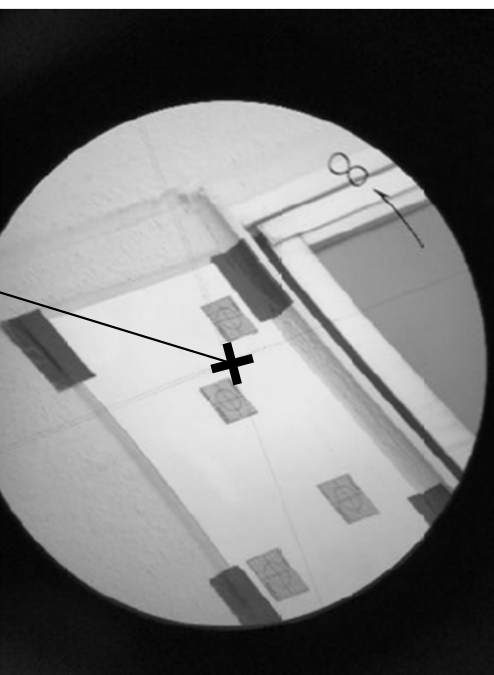
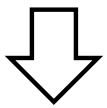
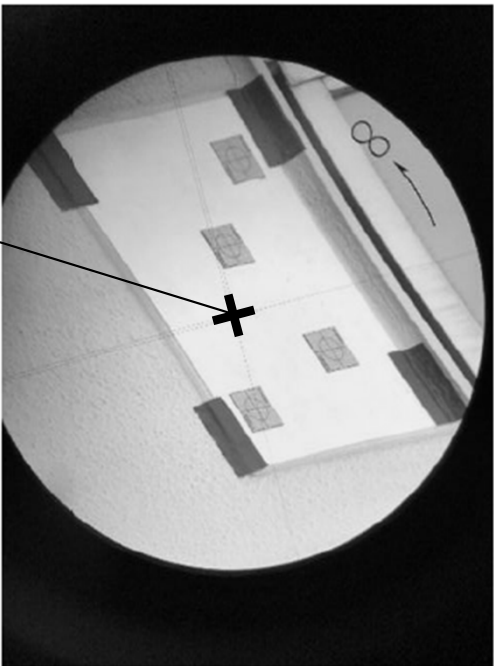


[Fig. 17]

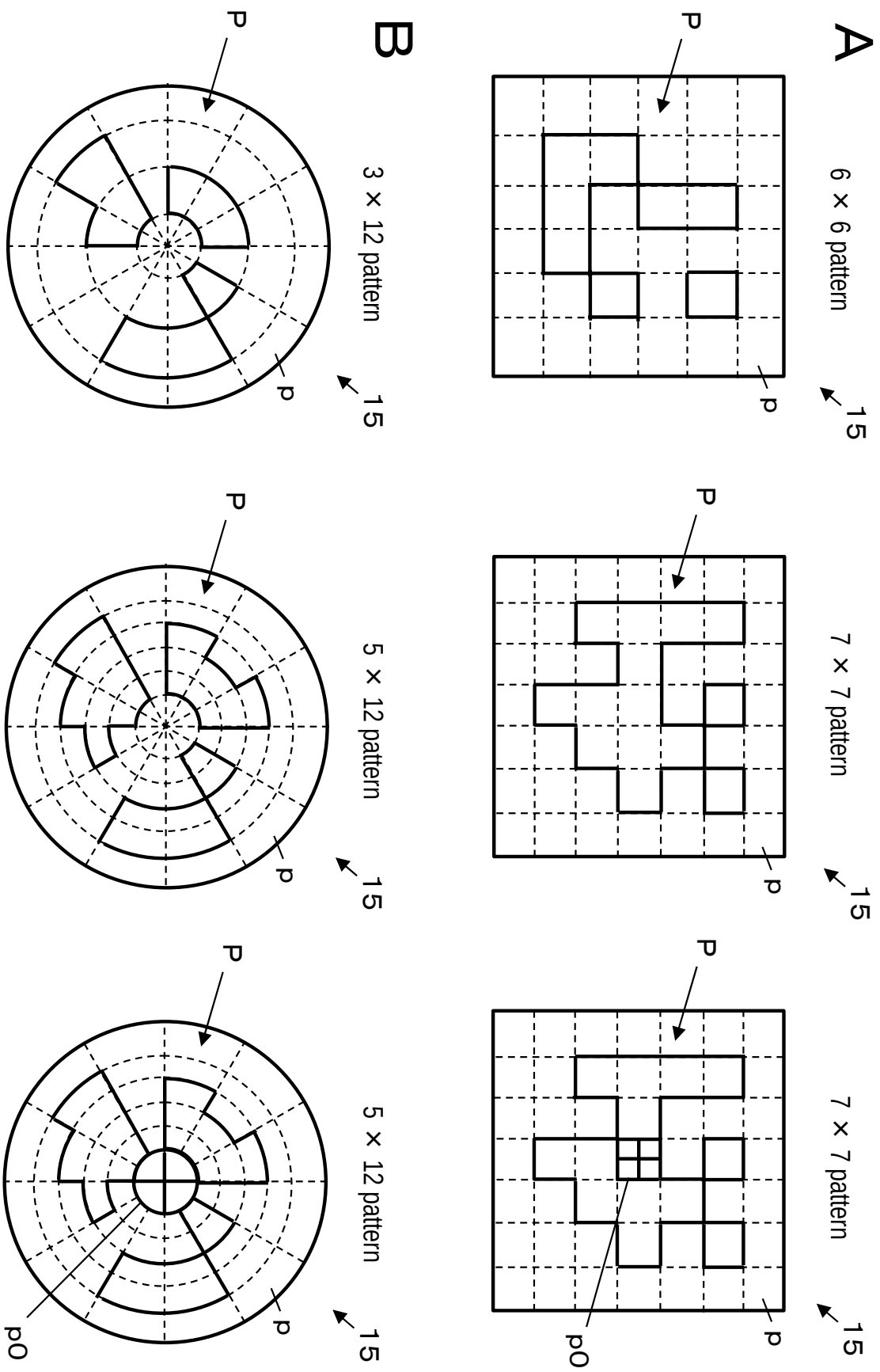
A



B



[Fig. 18]

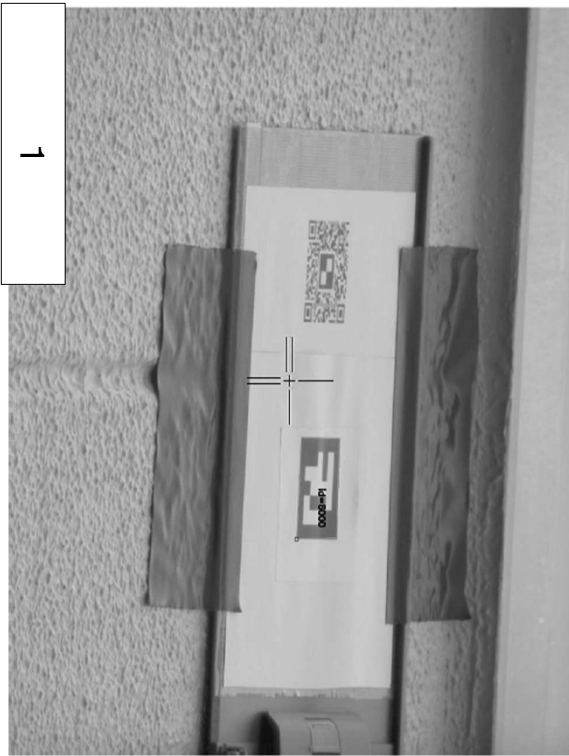


A

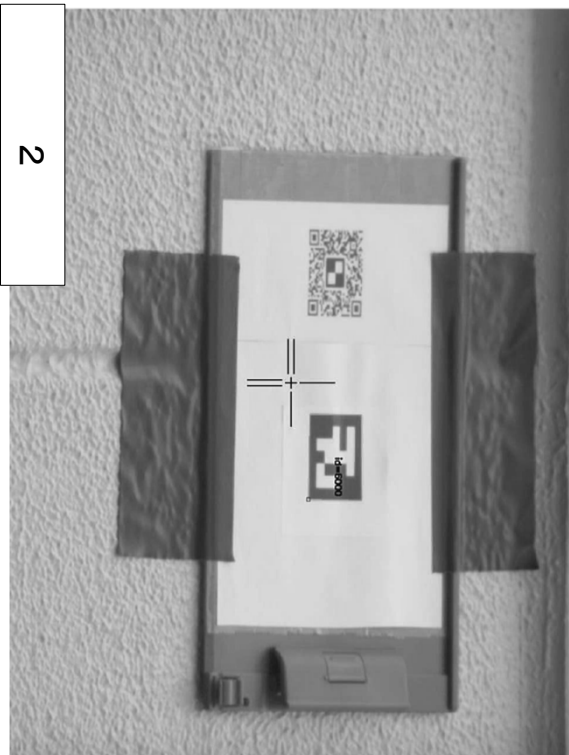


W

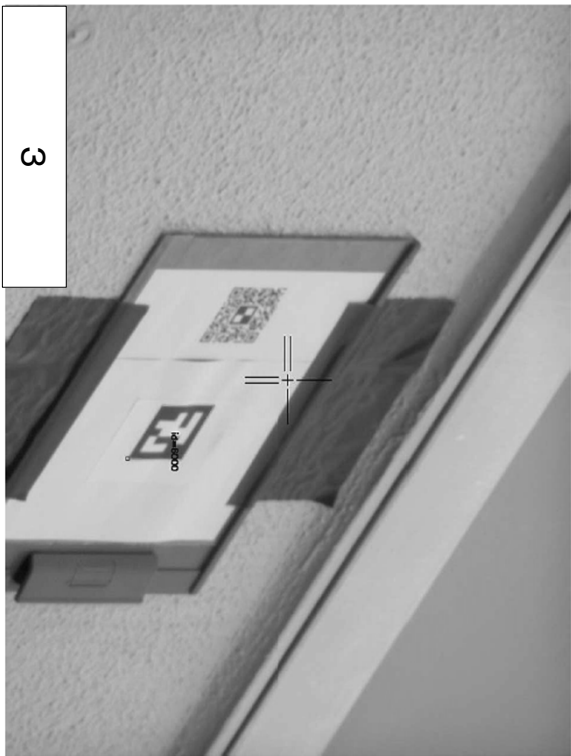
[Fig. 20]



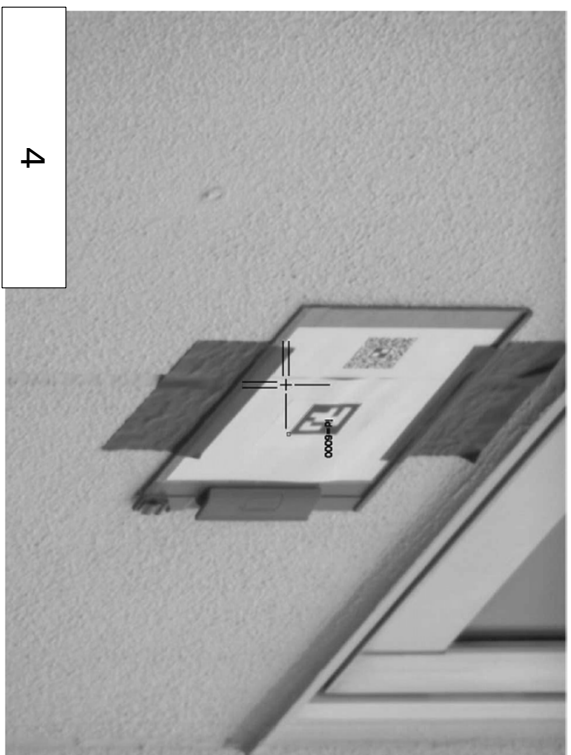
1



20/21



3



4

[Fig. 21]

