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FIG.1

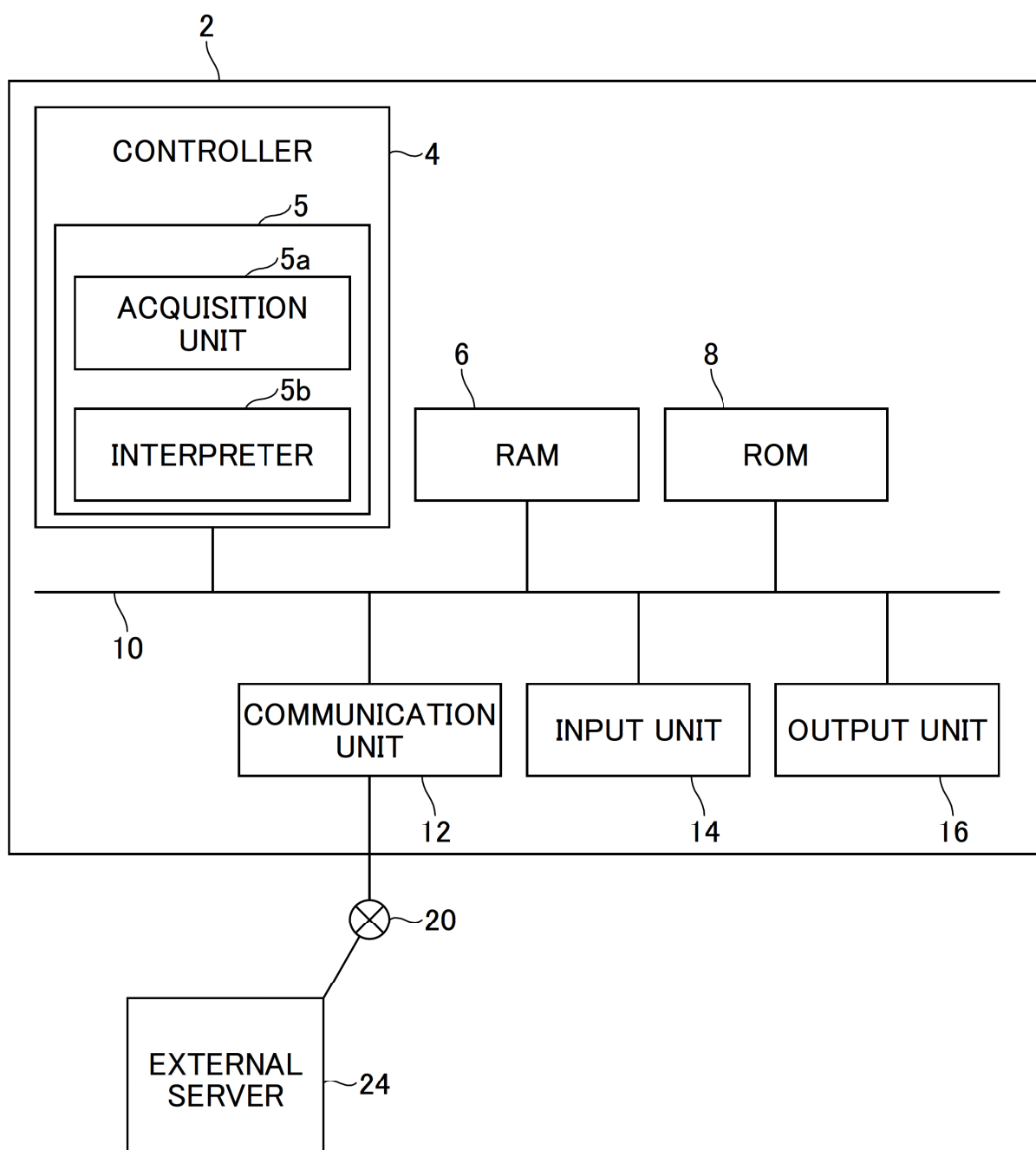


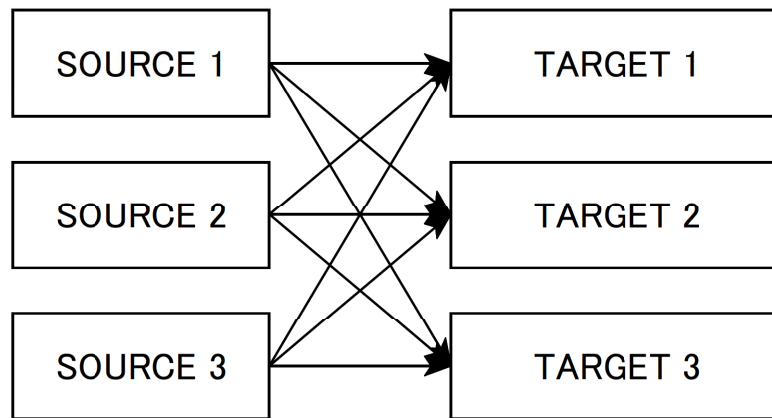
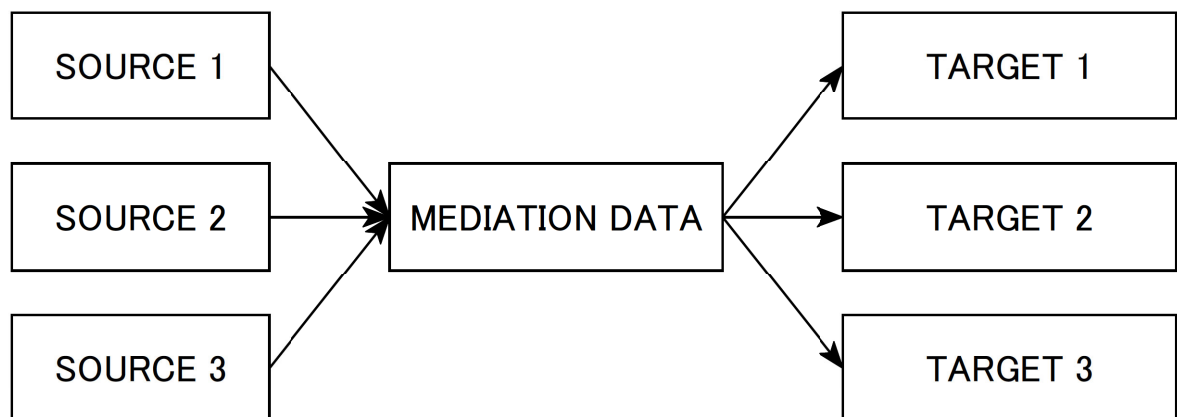
FIG.2A**FIG.2B**

FIG.3A

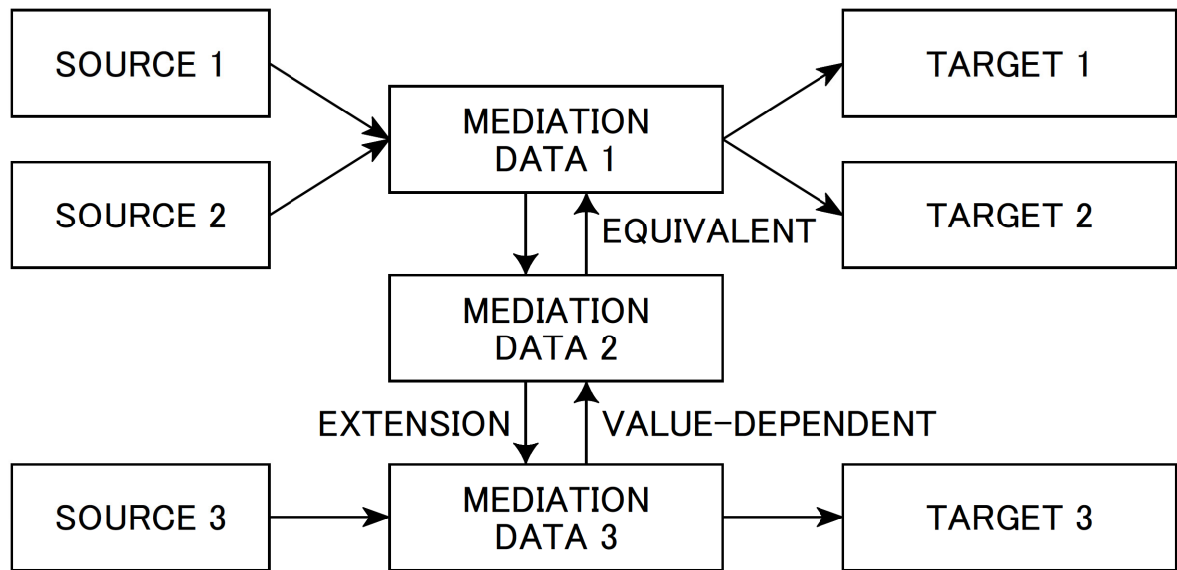
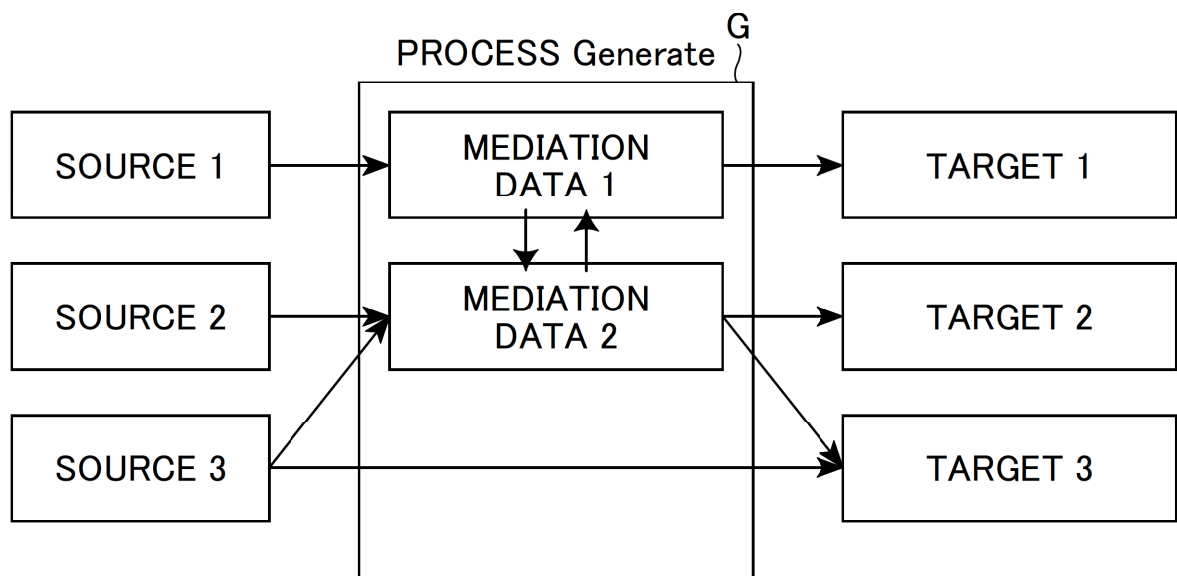


FIG.3B



[illegible]

Name of Construction		Construction of			
Drawing Name	Peer Structure General Map				
Scale	Indicated in Drawing Number	Covering			
Design Date	Month:	Year:			
000 Development Bureau			0000 Office		

	x	y
(1)	-2.502	0.732
(2)	-0.931	0.085
(3)	-2.338	2.643
(4)	-0.647	1.039
(5)	-2.658	2.939
(6)	-2.044	4.234

	X	Y
(1)	-0.0037	0.2645
(2)	-0.0038	0.2645
(3)	-0.0038	0.2645
(4)	-0.0037	0.2645
(5)	-0.0038	0.2645
(6)	-0.0037	0.2645

[illegible]

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FIG.5

Name of Construction	Construction of		
Drawing Name	Pier Structure General Map		
Scale	Indicated in Drawing	Drawing Number	
Design Date	Month: Year:		
OOO Development Bureau OOOO Office			

FIG.6

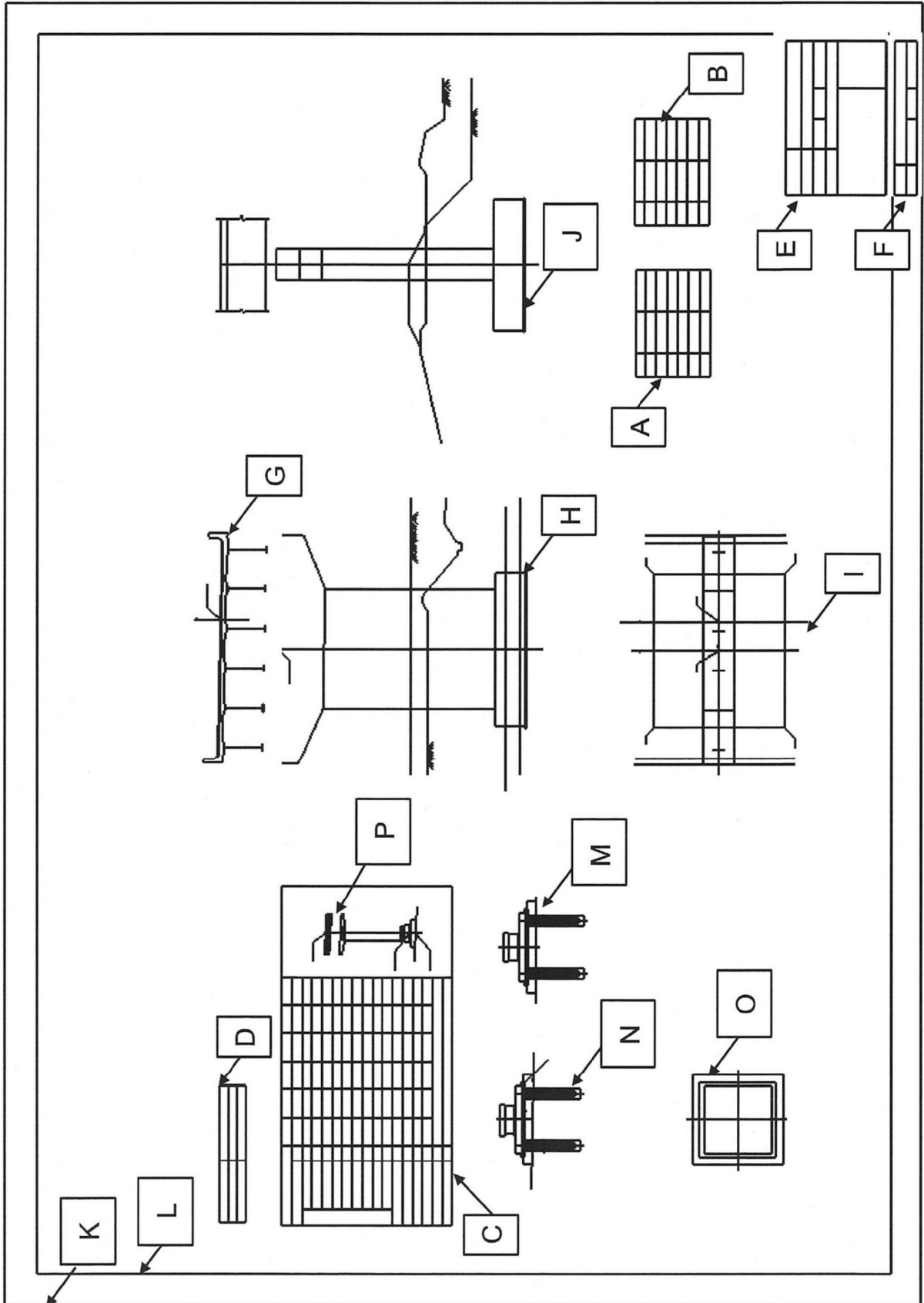


FIG.7

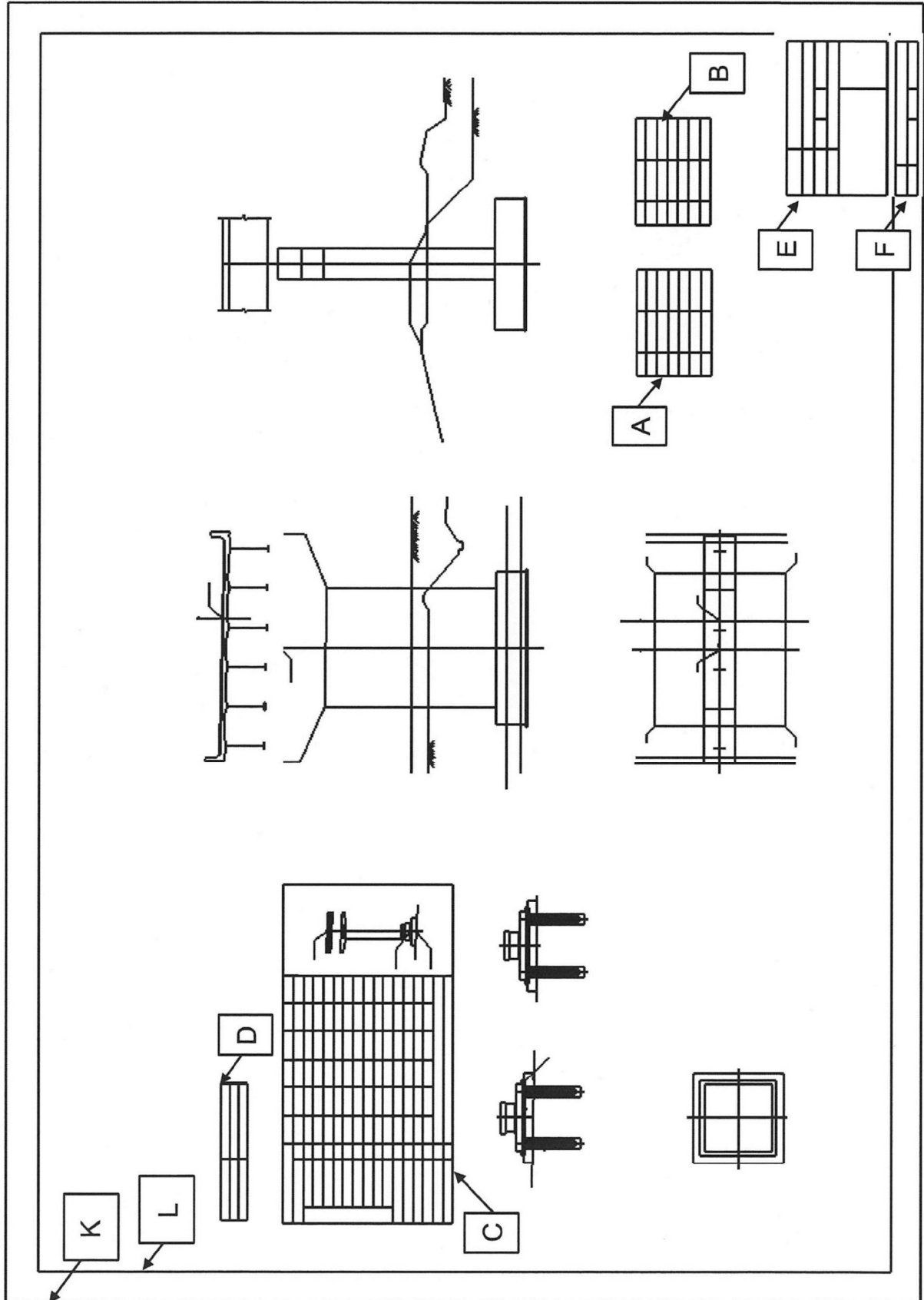


FIG.8A

CellSet

↑
Input
Information

Table

Name of Construction	Construction of		
Drawing Name	Pier Structure General Map		
Scale	Indicated in Drawing	Drawing Number	
Design Date	Month:	Year:	
000 Development Bureau			
0000 Office			

FIG.8B

Table

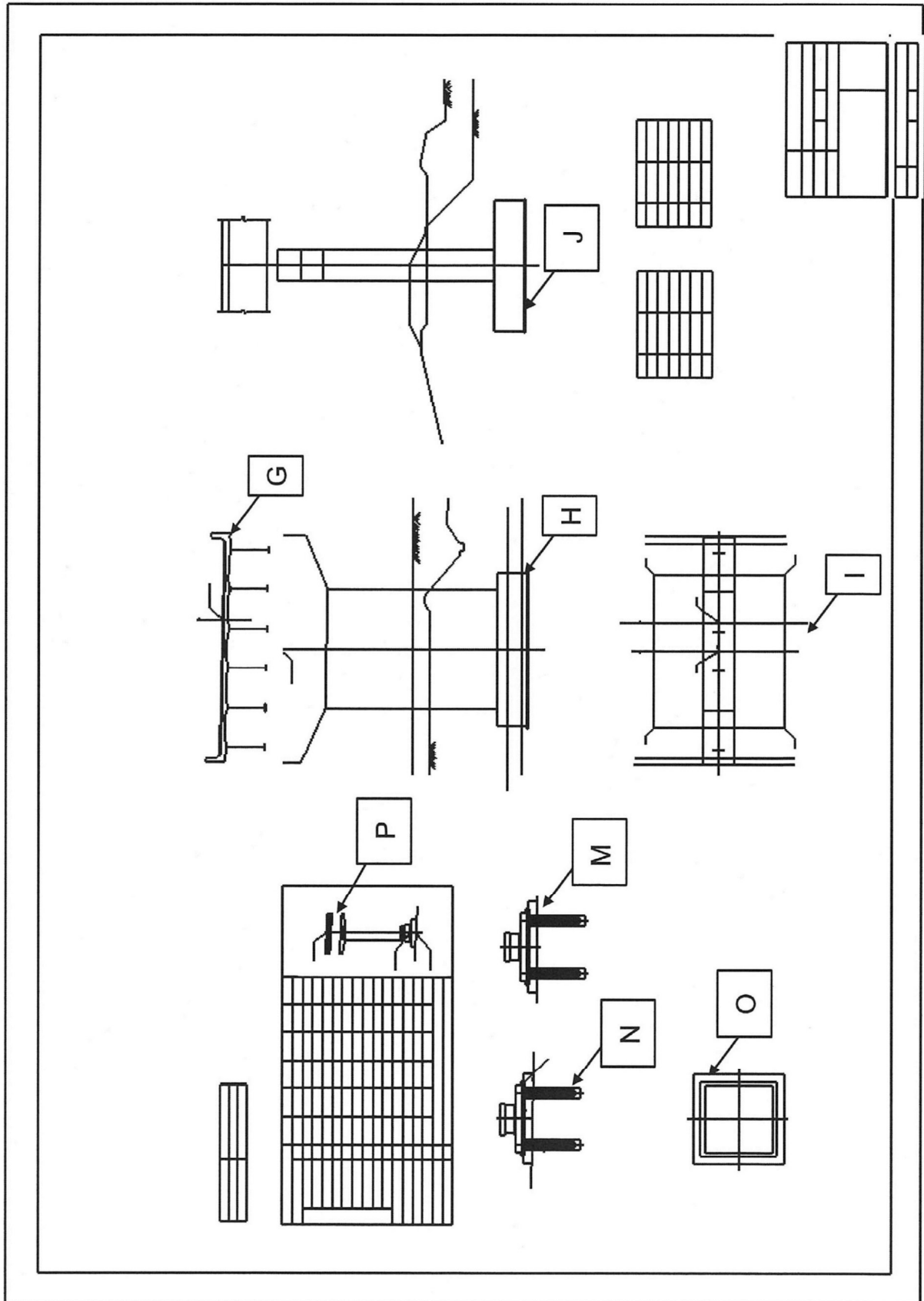
Name of Construction	Construction of		
Drawing Name	Pier Structure General Map		
Scale	Indicated in Drawing	Drawing Number	
Design Date	Month:	Year:	
000 Development Bureau 0000 Office			

↑
Analysis
&
Classification

Title Block

Name of Construction	Construction of		
Drawing Name	Pier Structure General Map		
Scale	Indicated in Drawing	Drawing Number	
Design Date	Month:	Year:	
000 Development Bureau 0000 Office			

FIG.9



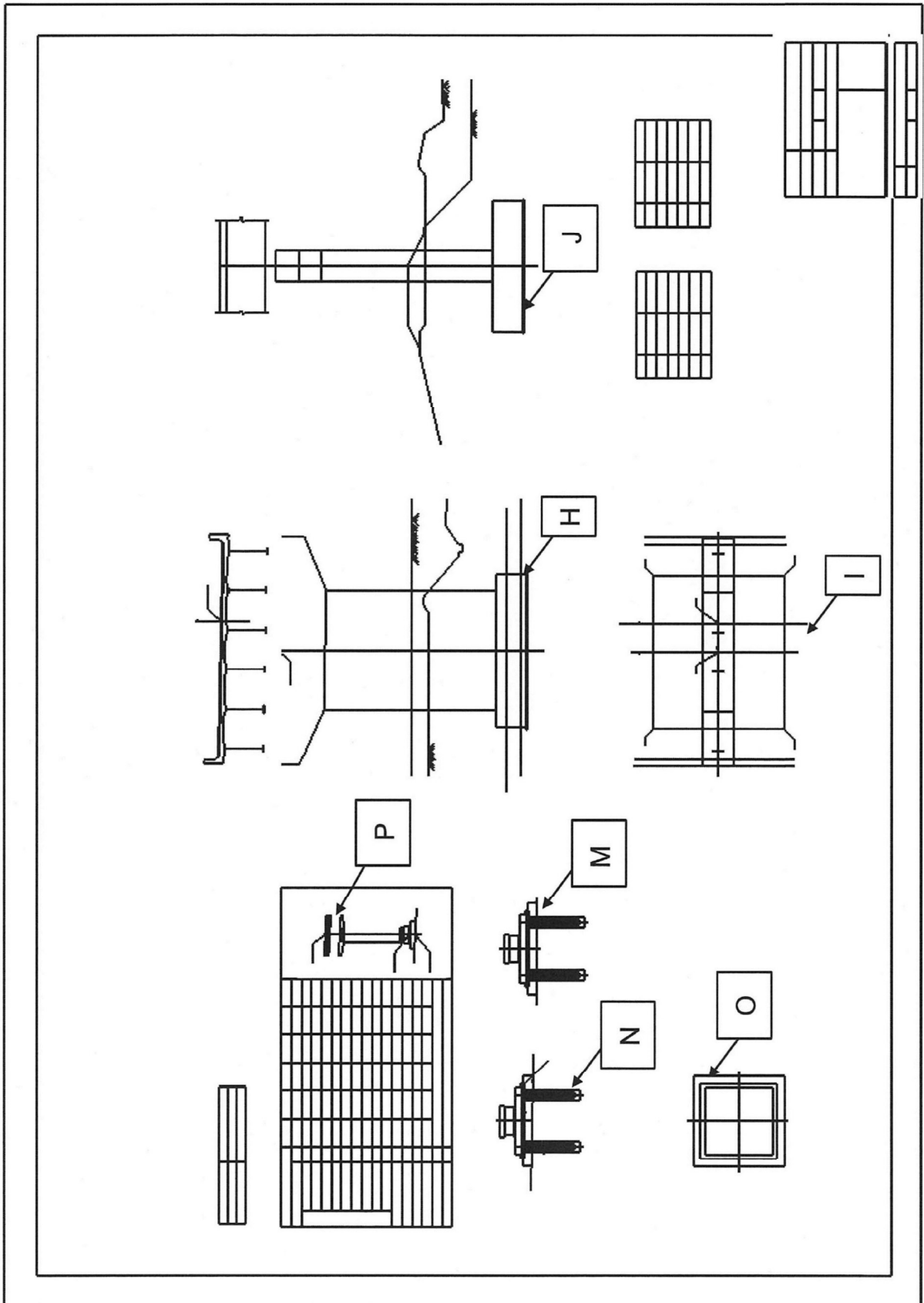


FIG.11

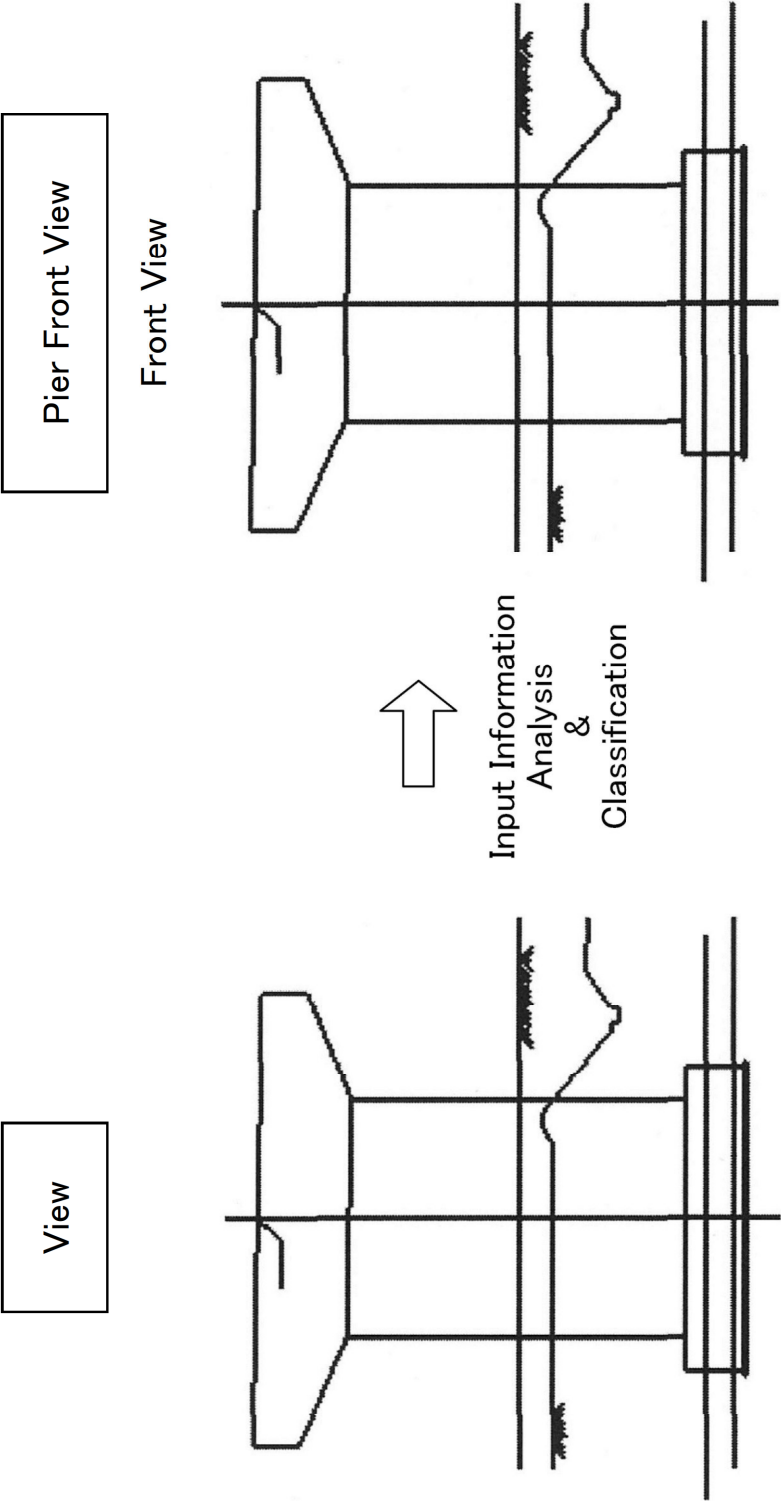


FIG.12A

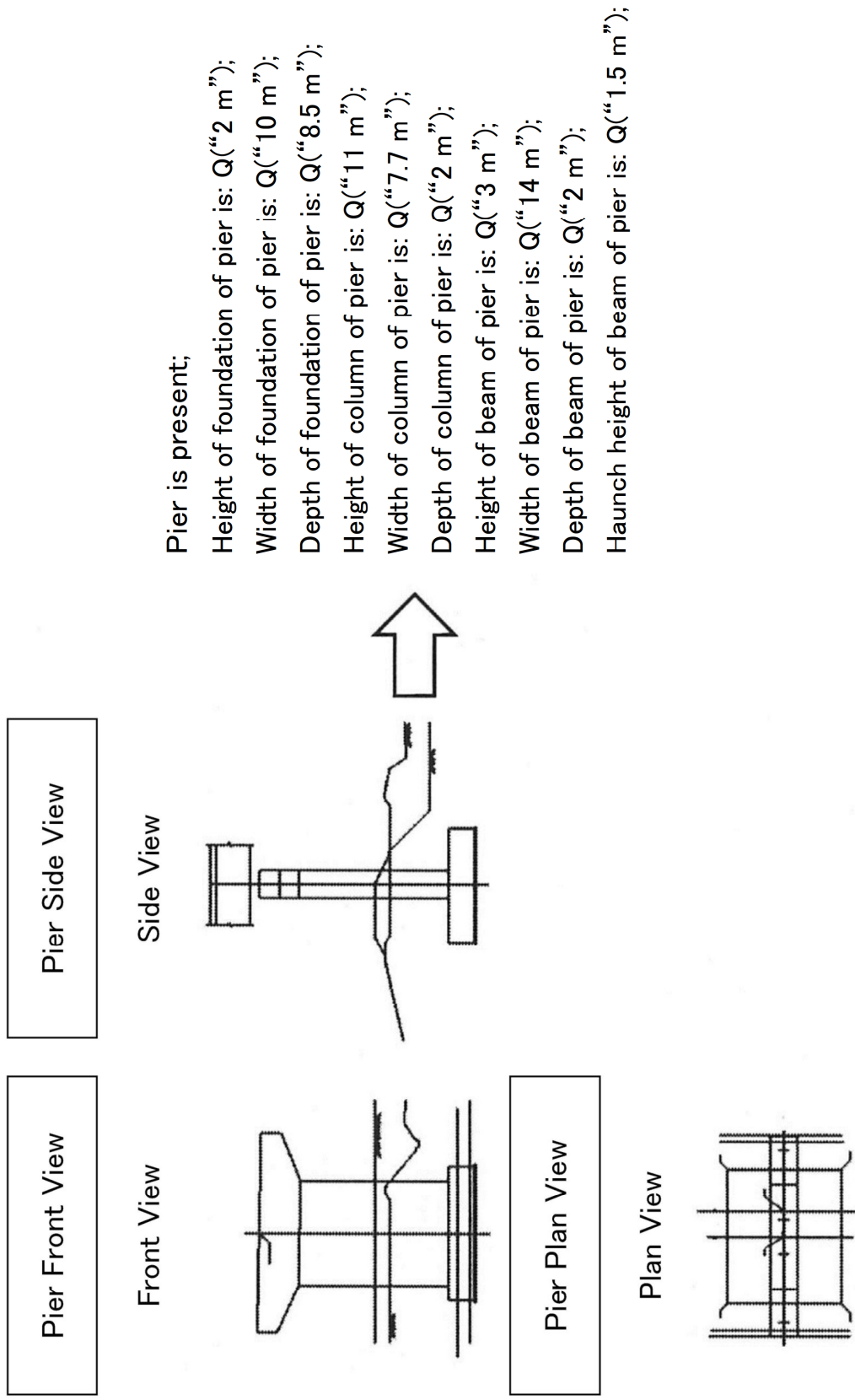


FIG.12B

Pier is present;
Height of foundation of pier is: Q("2 m");
Width of foundation of pier is: Q("10 m");
Depth of foundation of pier is: Q("8.5 m");
Height of column of pier is: Q("11 m");
Width of column of pier is: Q("7.7 m");
Depth of column of pier is: Q("2 m");
Height of beam of pier is: Q("3 m");
Width of beam of pier is: Q("14 m");
Depth of beam of pier is: Q("2 m");
Haunch height of beam of pier is: Q("1.5 m");

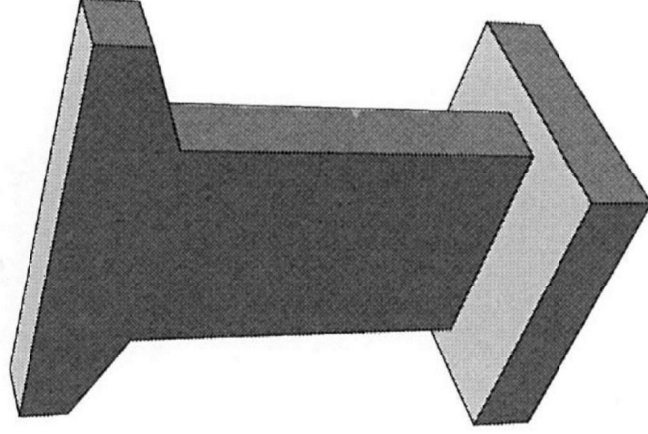
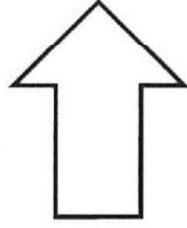
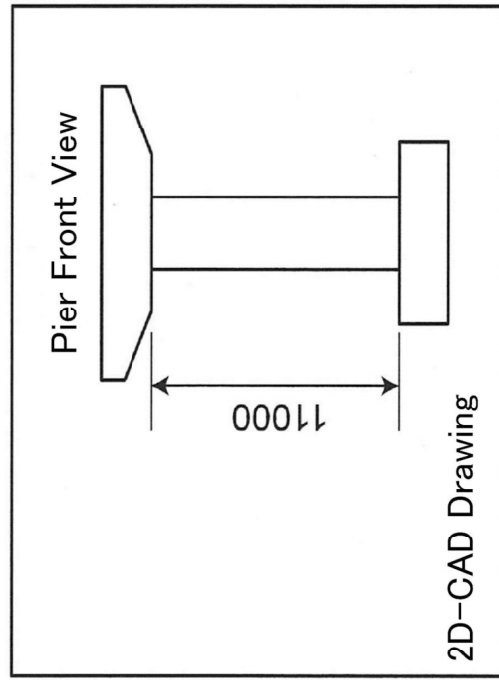
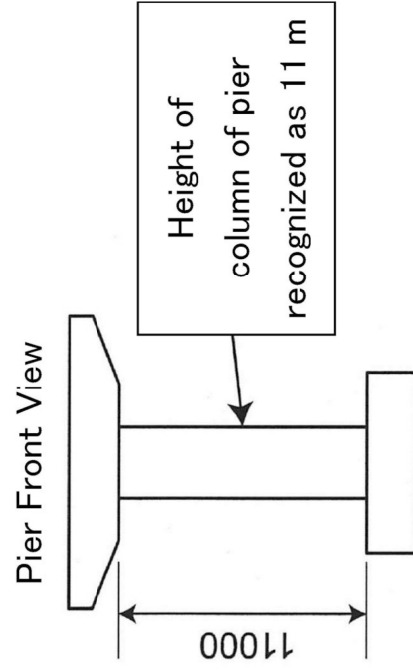


FIG.13

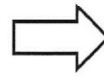
(1)



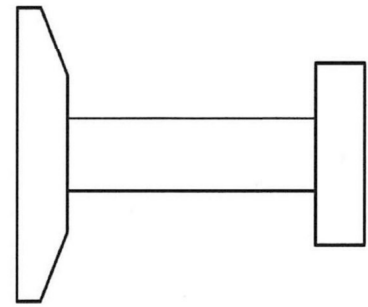
(4)



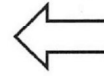
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(2) First focus on line



Input dimension value
or the like from drawing



(3)

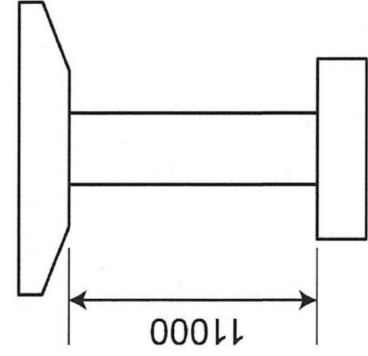


FIG.14

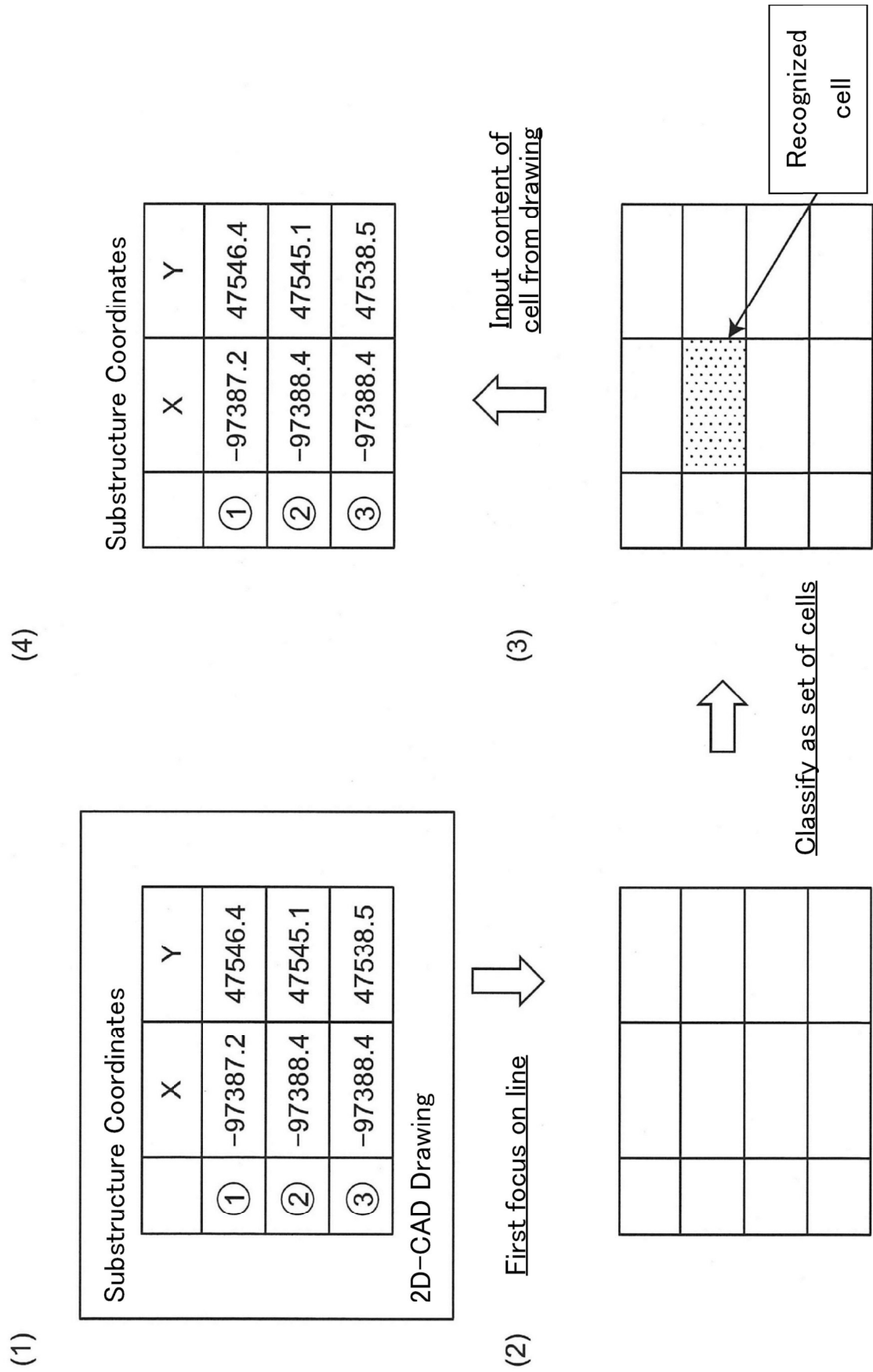


FIG.15

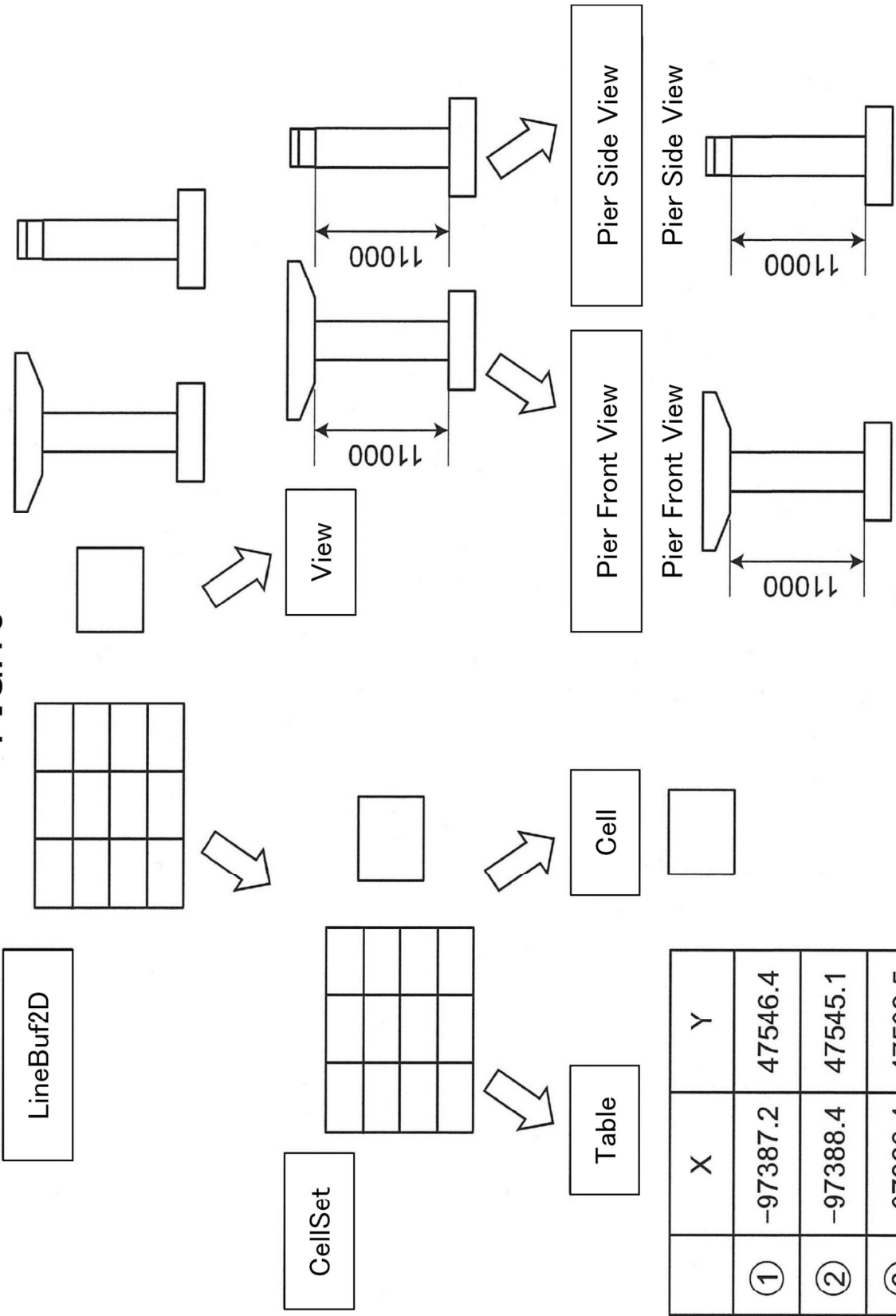
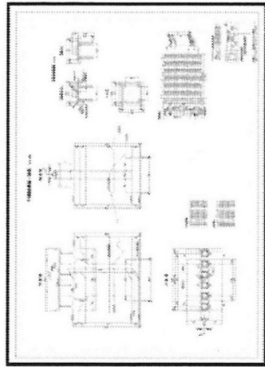


FIG. 16

(1) “Information Input”

CellSet

2D-CAD Drawing



Table

	X	Y
①	-97387.2	47546.4
②	-97388.4	47545.1
③	-97388.4	47538.5

(2) “Analysis & Interpretation”

Table

	X	Y	工 務 名	工 務
①	-97387.2	47546.4	図 面 名	種別構造一般図
②	-97388.4	47545.1	備 尺	図面番付
③	-97388.4	47538.5	設 計 年 月	年 月
				平成
			〇〇室課局	〇〇〇〇課所

Title Block

工 事 名	工 事			
図 面 名	燃焼炉第一図面			
縮 尺	図 示	図 種 号		
設 計 年 月	平成		年 月	
〇〇製造局			〇〇〇〇事務所	

Structure Height Table

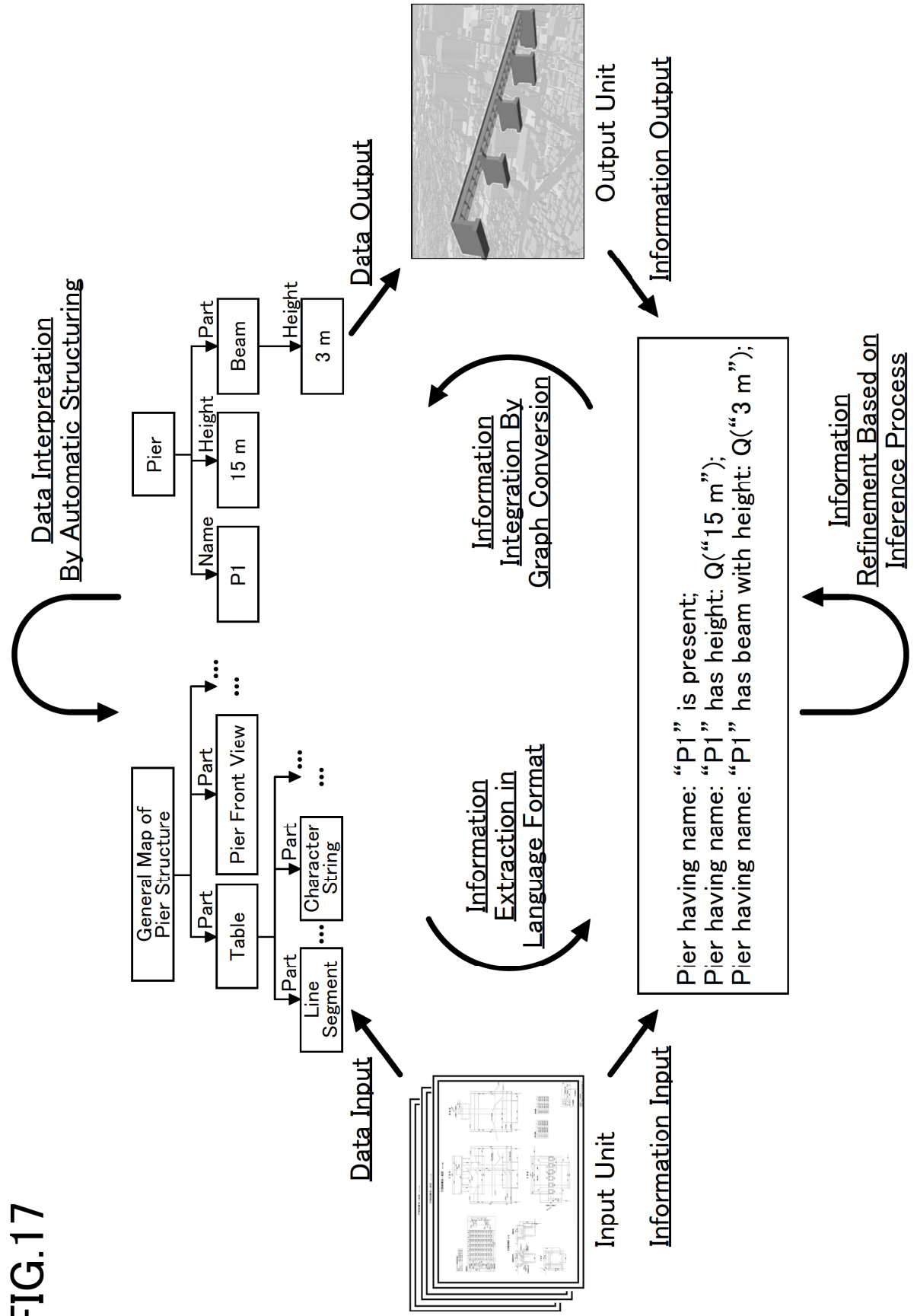
	X	Y
①	-97387.2	47546.4
②	-97388.4	47545.1
③	-97388.4	47538.5

Coordinate Table

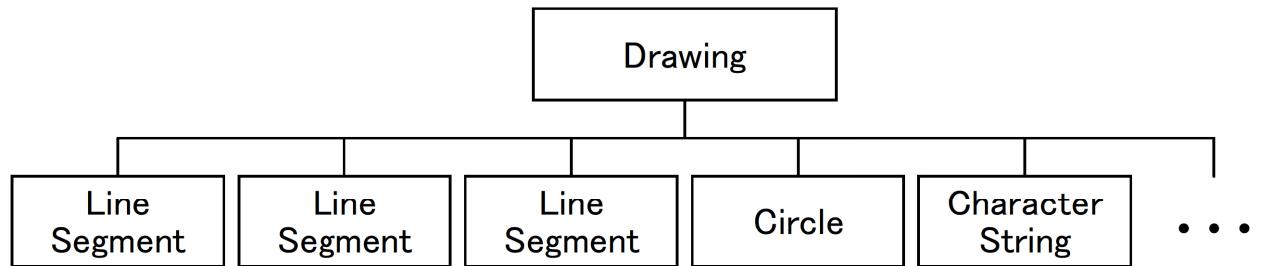
Figure 1 consists of a table and three diagrams. The table shows the load capacity of the bridge deck for different load cases. The diagrams show the bridge deck structure and the load distribution for different load cases.

項目	1	2	3	4	5	6
1. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
2. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
3. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
4. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
5. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
6. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
7. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
8. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
9. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
10. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
11. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
12. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
13. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
14. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
15. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
16. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
17. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
18. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
19. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
20. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
21. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
22. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
23. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
24. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
25. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
26. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
27. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
28. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
29. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
30. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
31. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
32. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
33. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
34. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
35. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
36. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
37. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
38. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
39. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
40. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
41. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
42. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
43. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
44. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
45. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
46. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
47. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
48. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
49. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
50. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
51. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
52. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
53. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
54. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
55. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
56. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
57. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
58. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
59. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
60. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
61. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
62. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
63. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
64. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
65. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
66. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
67. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
68. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
69. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
70. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
71. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
72. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
73. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
74. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
75. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
76. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
77. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
78. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
79. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
80. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
81. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
82. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
83. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
84. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
85. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
86. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
87. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
88. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
89. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
90. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
91. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
92. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
93. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
94. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
95. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
96. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
97. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
98. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
99. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500
100. 橋脚部	2,500	1,500	1,500	1,500	1,500	1,500

FIG.17

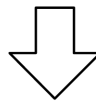
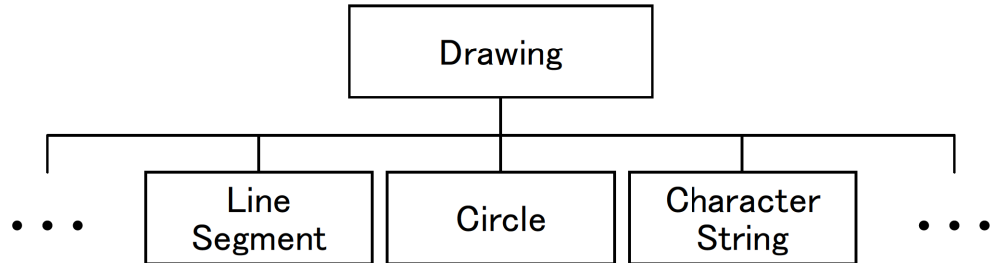


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FIG.18

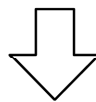
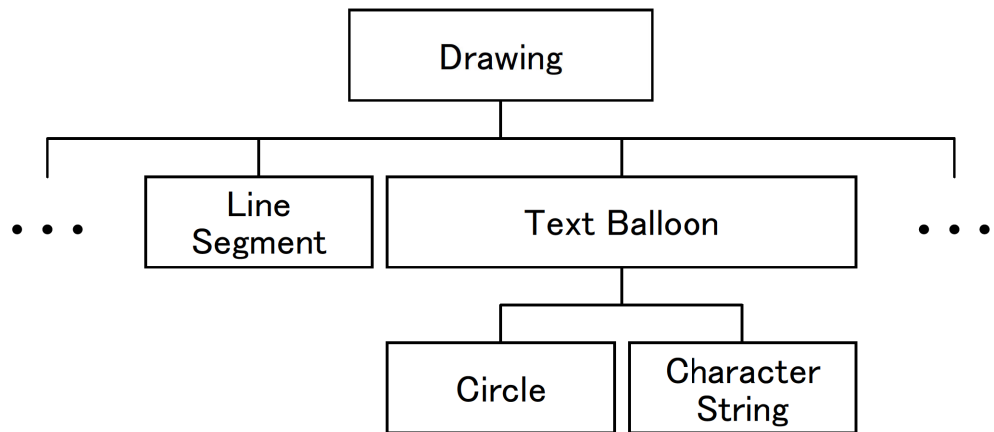


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FIG.19

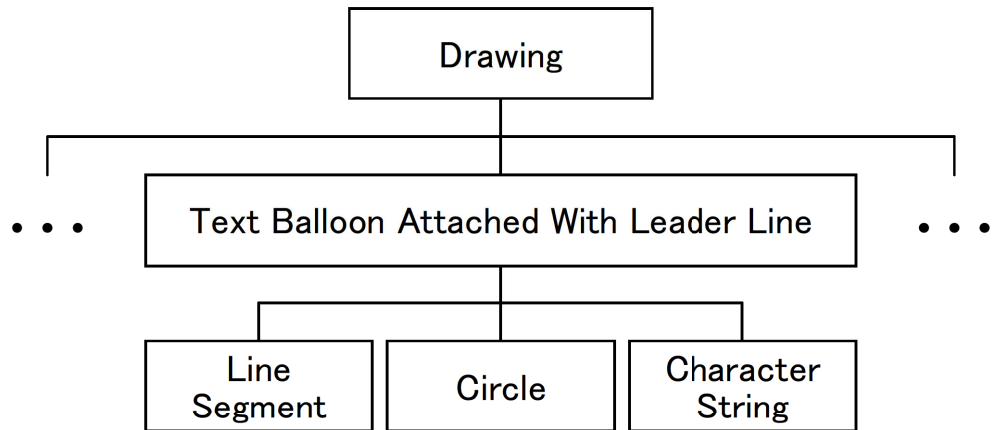
(1)



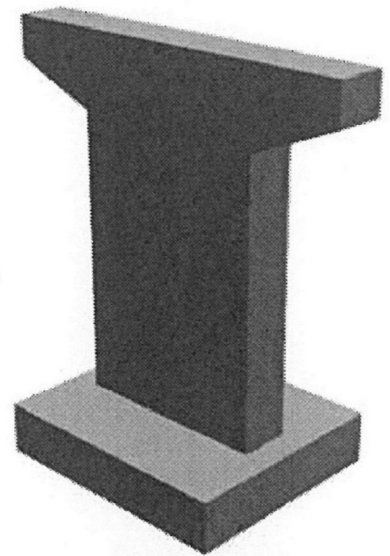
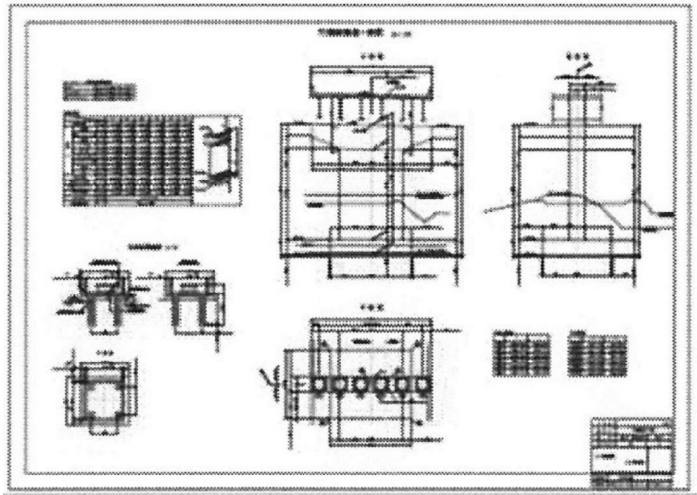
(2)



(3)

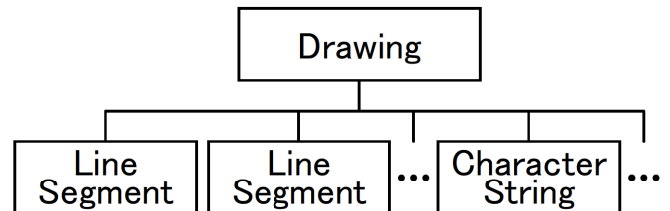


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FIG.20

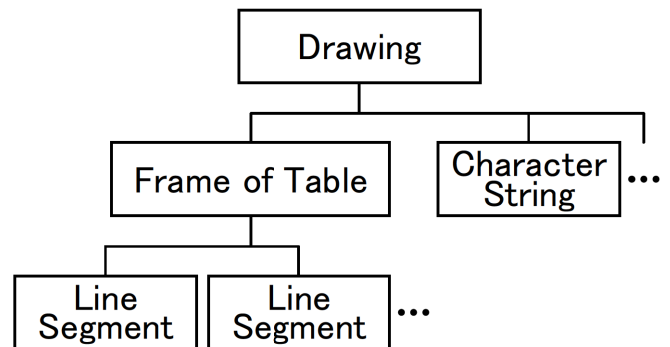


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FIG.21

(1)

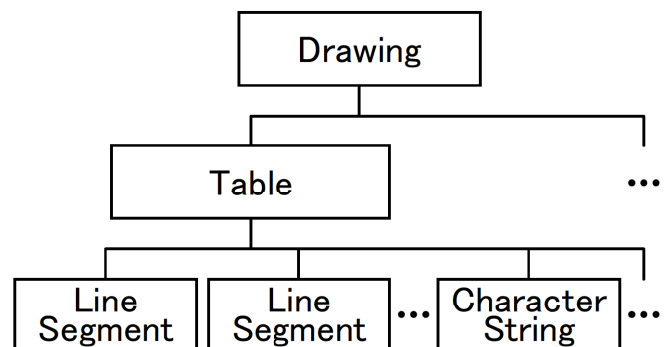


(2)



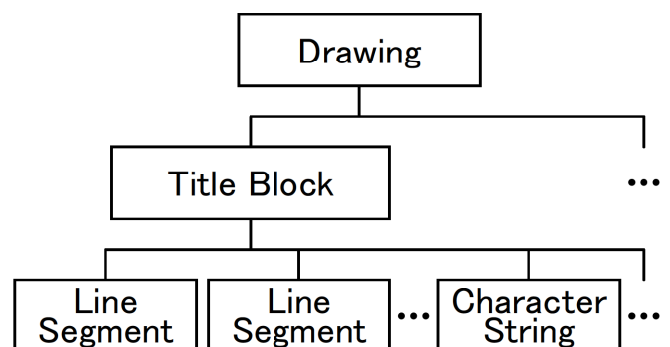
(3)

Name of Construction	Construction of		
Drawing Name	Pier Structure General Map		
Scale	Indicated in Drawing	Drawing Number	
Design Date	Month:	Year:	
OOO Development Bureau		OOOO Office	



(4)

Name of Construction	Construction of		
Drawing Name	Pier Structure General Map		
Scale	Indicated in Drawing	Drawing Number	
Design Date	Month:	Year:	
OOO Development Bureau		OOOO Office	



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FIG.22

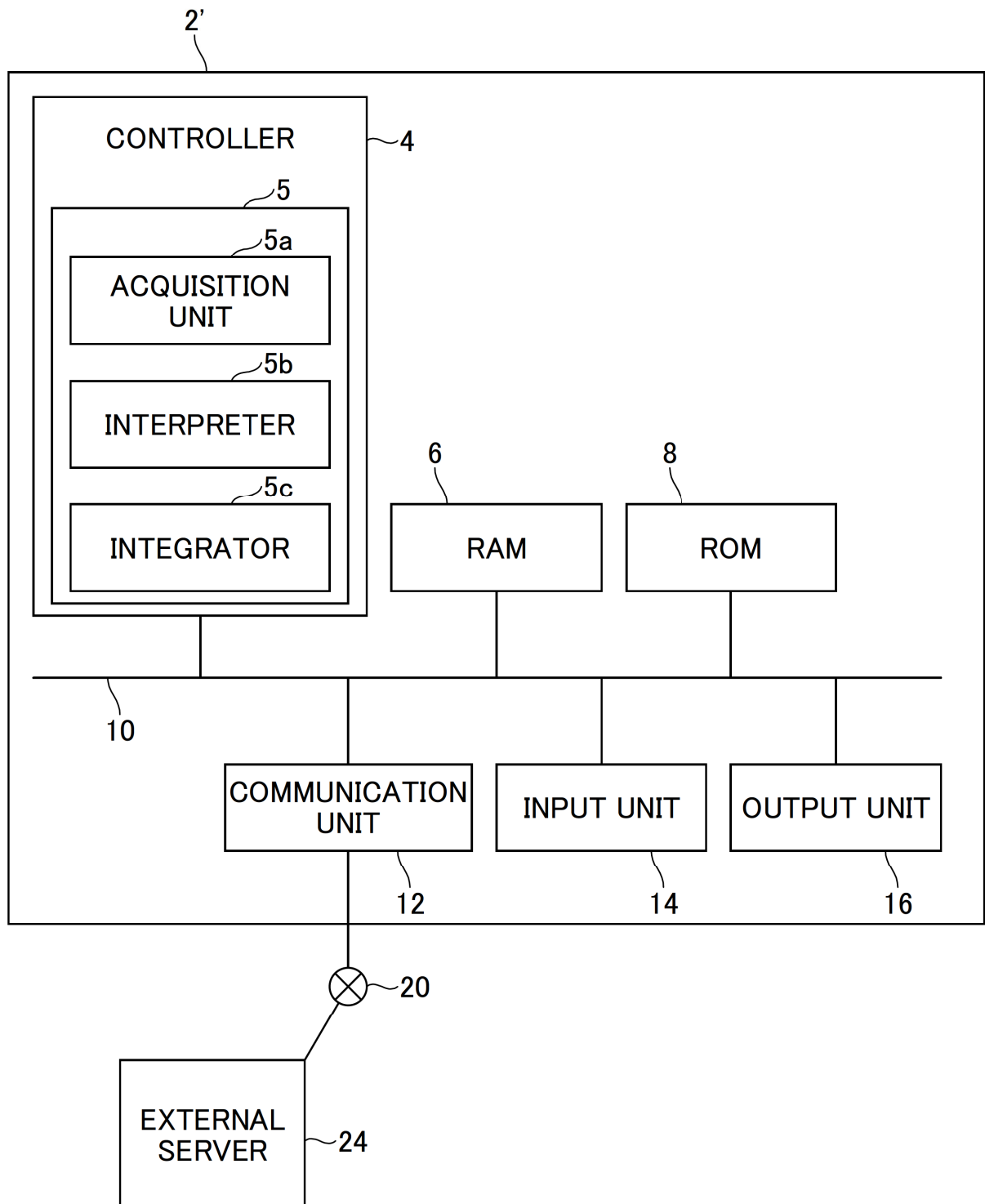


FIG.23A

Individual Development

$$F(X_1, Y_1)$$

$$F(X_1, Y_2)$$

$$F(X_1, Y_3)$$

...

$$F(X_2, Y_1)$$

$$F(X_2, Y_2)$$

...

$$F(X_i, Y_j)$$

...

FIG.23B

Utilization of Standard Format

$$F(X_1, Y_1)$$

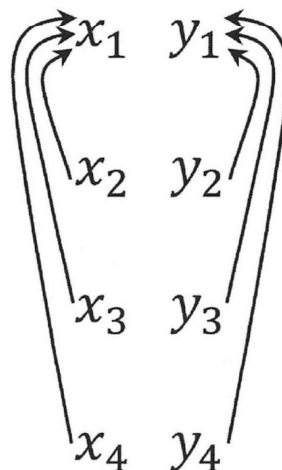


FIG.23C

Utilization of Automatic Conversion

$$F(X_1, Y_1)$$

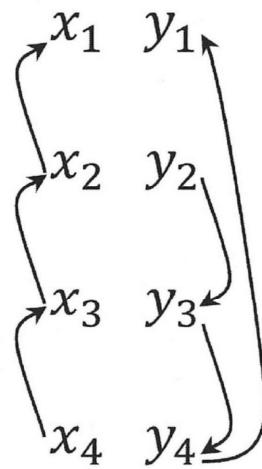
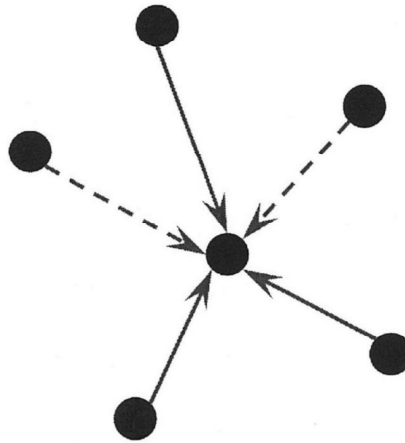


FIG.24A

Star-Shaped Network Centered
on Standard Expression Format

**FIG.24B**

Free Network Based on Automatic
Conversion of Expression Format

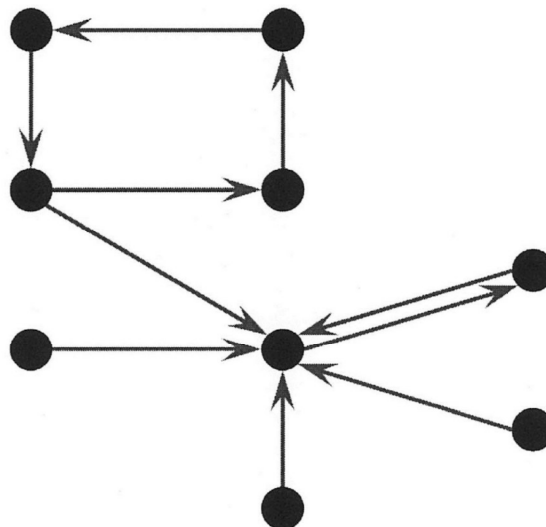


FIG.25A

Fixed Digital City Based on Standard Format

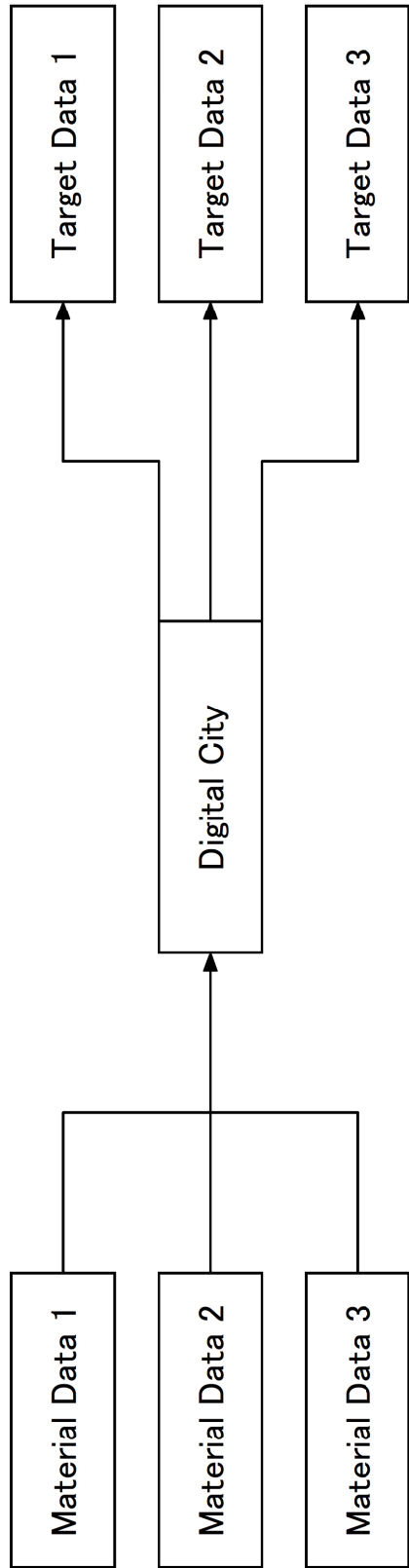
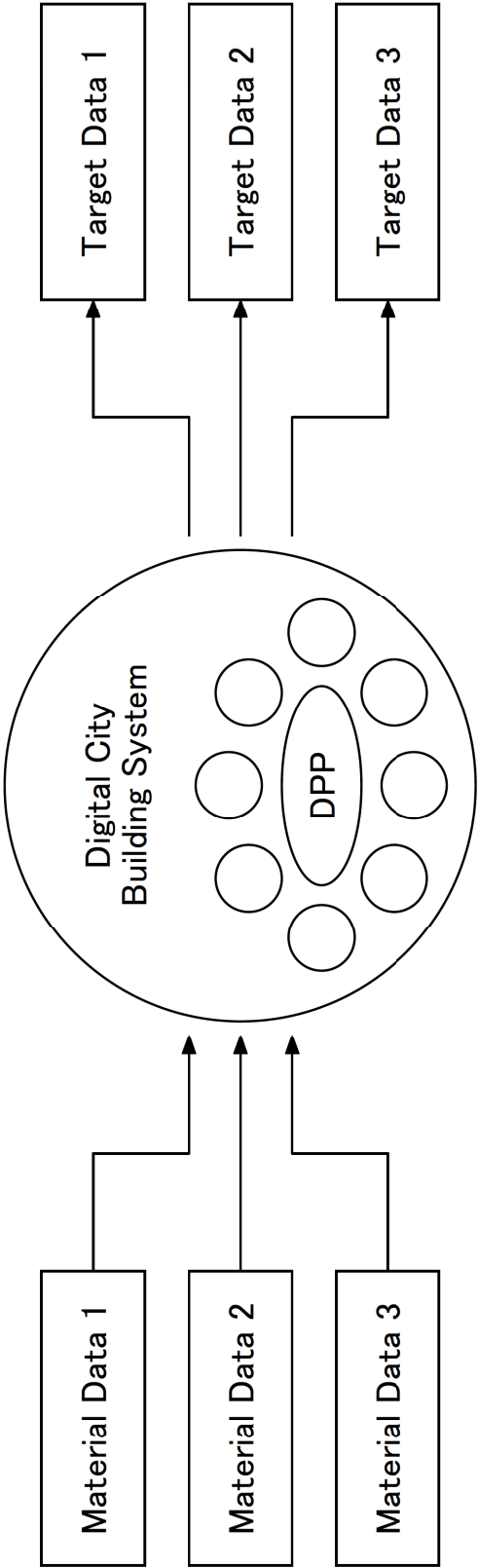


FIG.25B

Digital City Building System Having Development Sustainability



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FIG.26

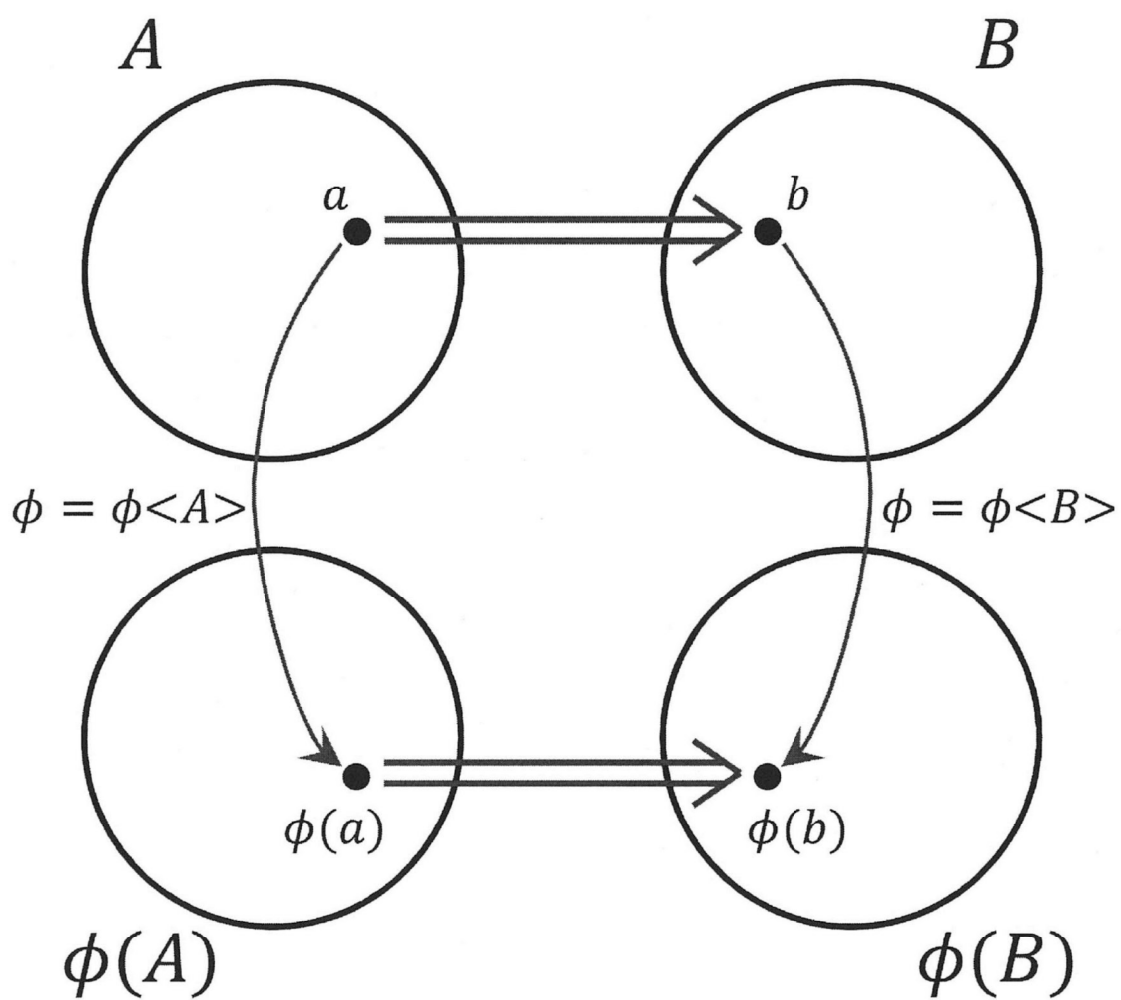


FIG.27

```
Library( "DXF");
Library( "KnowledgeLibrary1");

file1 = File("input/006_P2 Pier Structure General Map.dxf" );
file2 = File("input/source2.dxf" );
file3 = File("input/source3.dxf" );
// Automatically extract information simultaneously as reading
// Automatic information integration & automatic 3-dimensional model creation by continuous reading

data = search(pier name: "P1");
// Search & acquisition of automatically created 3-dimensional model

println( data: height);
// Display height of 3-dimensional model on console screen

Def:data:width of foundation is: Q("200 cm");
// Correct 3-dimensional model

OutputVTK( data, output_path="tmp2.vtk" );
// Output 3-dimensional model
```

FIG.28A

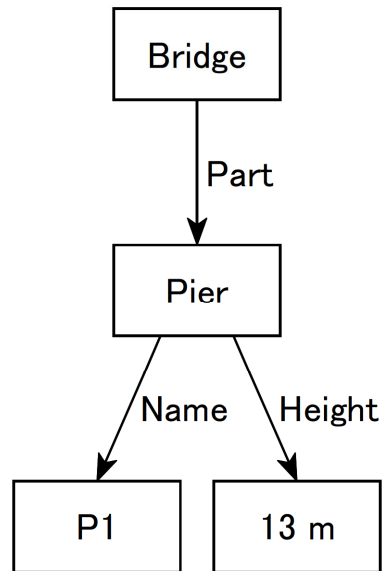


FIG.28B

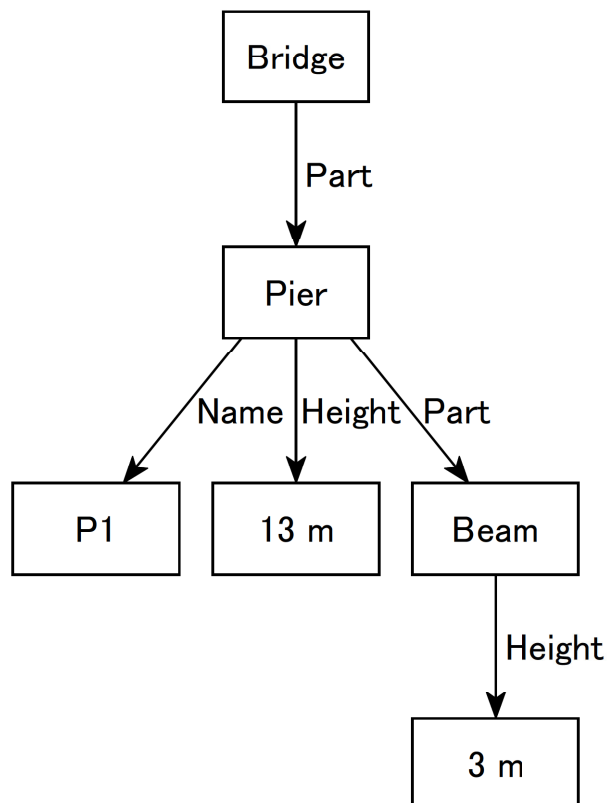


FIG.29

