FIG.1

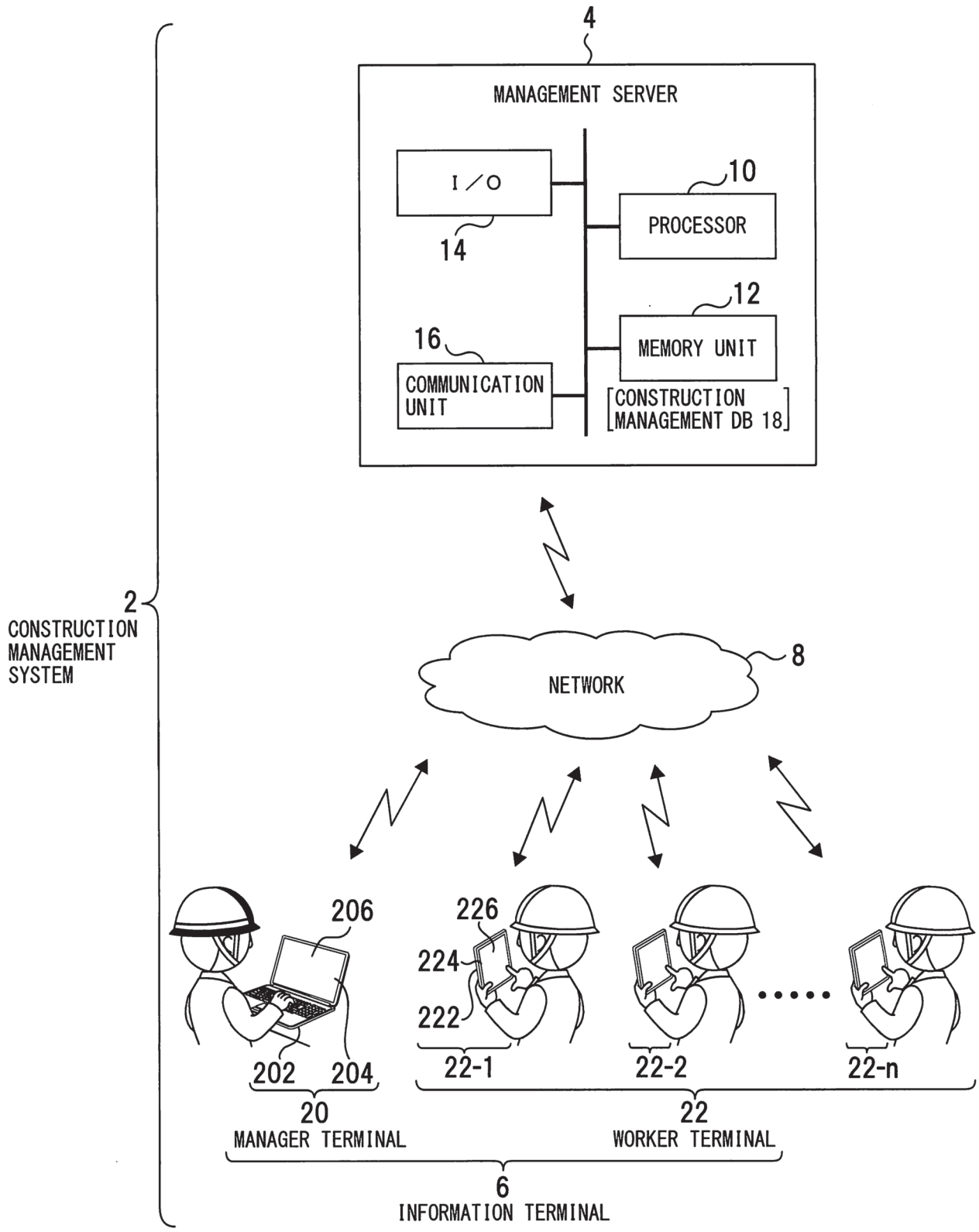

4
MANAGEMENT SERVER
I/O
14
10
PROCESSOR
12
MEMORY UNIT
16
COMMUNICATION UNIT
[CONSTRUCTION MANAGEMENT DB 18]
2
CONSTRUCTION MANAGEMENT SYSTEM
NETWORK
8
206
202
204
226
224
222
22-1
22-2
22-n
20
MANAGER TERMINAL
22
WORKER TERMINAL
6
INFORMATION TERMINAL

FIG.2

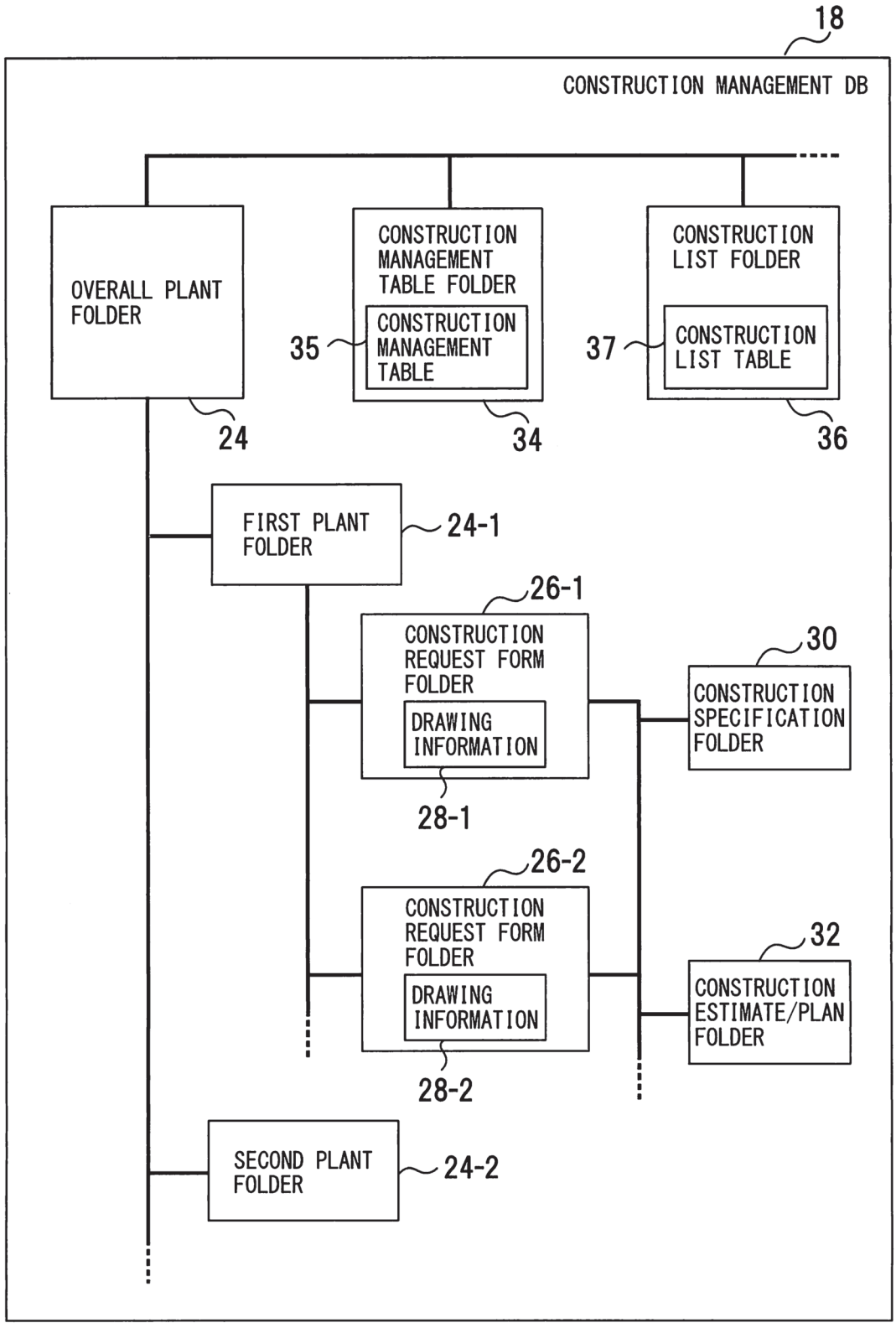

18
CONSTRUCTION MANAGEMENT DB
OVERALL PLANT FOLDER
24
CONSTRUCTION MANAGEMENT TABLE FOLDER
CONSTRUCTION MANAGEMENT TABLE
35
34
CONSTRUCTION LIST FOLDER
CONSTRUCTION LIST TABLE
37
36
FIRST PLANT FOLDER
24-1
26-1
CONSTRUCTION REQUEST FORM FOLDER
DRAWING INFORMATION
28-1
30
CONSTRUCTION SPECIFICATION FOLDER
26-2
CONSTRUCTION REQUEST FORM FOLDER
DRAWING INFORMATION
28-2
32
CONSTRUCTION ESTIMATE/PLAN FOLDER
SECOND PLANT FOLDER
24-2

FIG.3

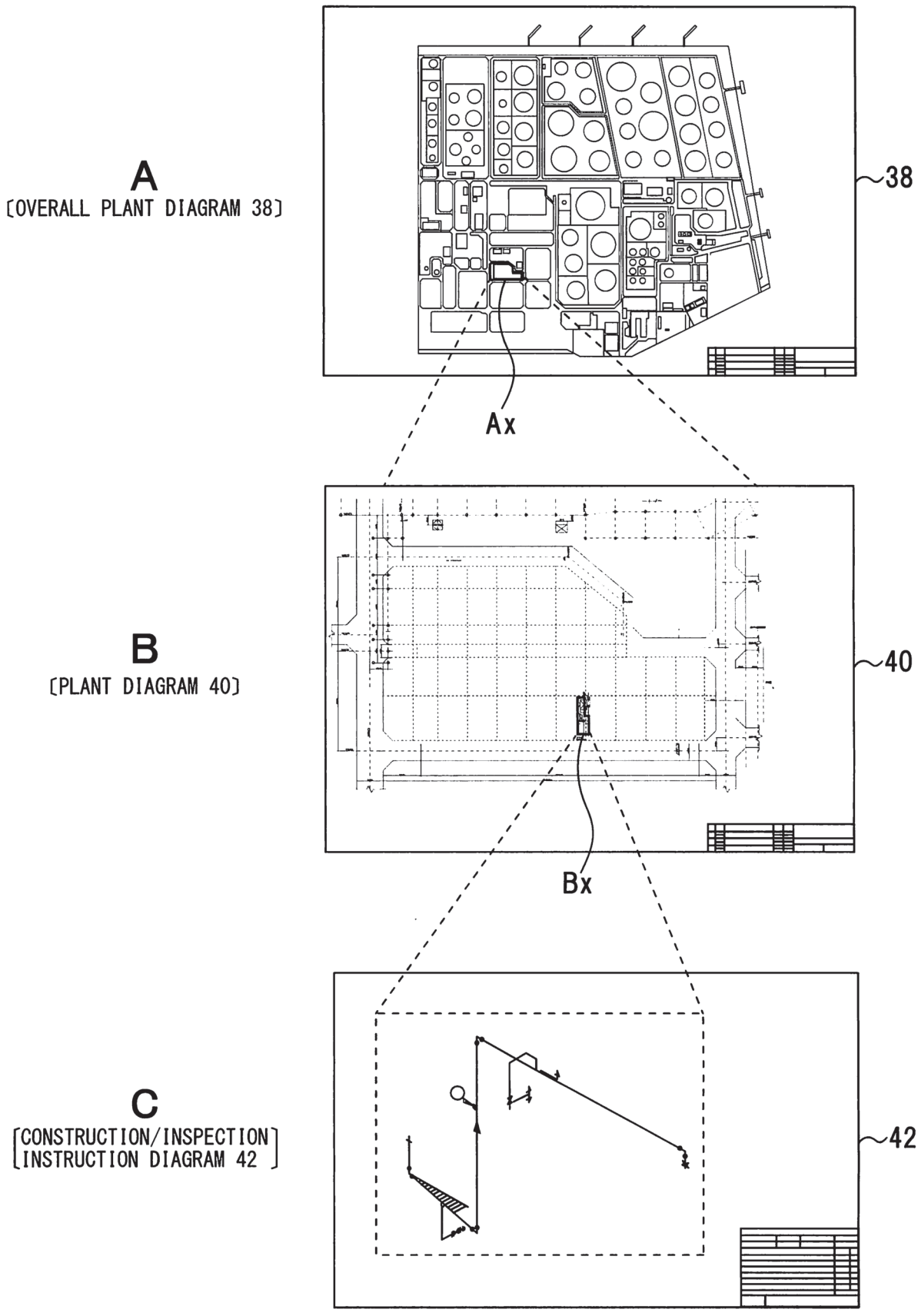

A
〔OVERALL PLANT DIAGRAM 38〕
38
Ax
B
〔PLANT DIAGRAM 40〕
40
Bx
C
〔CONSTRUCTION/INSPECTION INSTRUCTION DIAGRAM 42〕
42

FIG.4

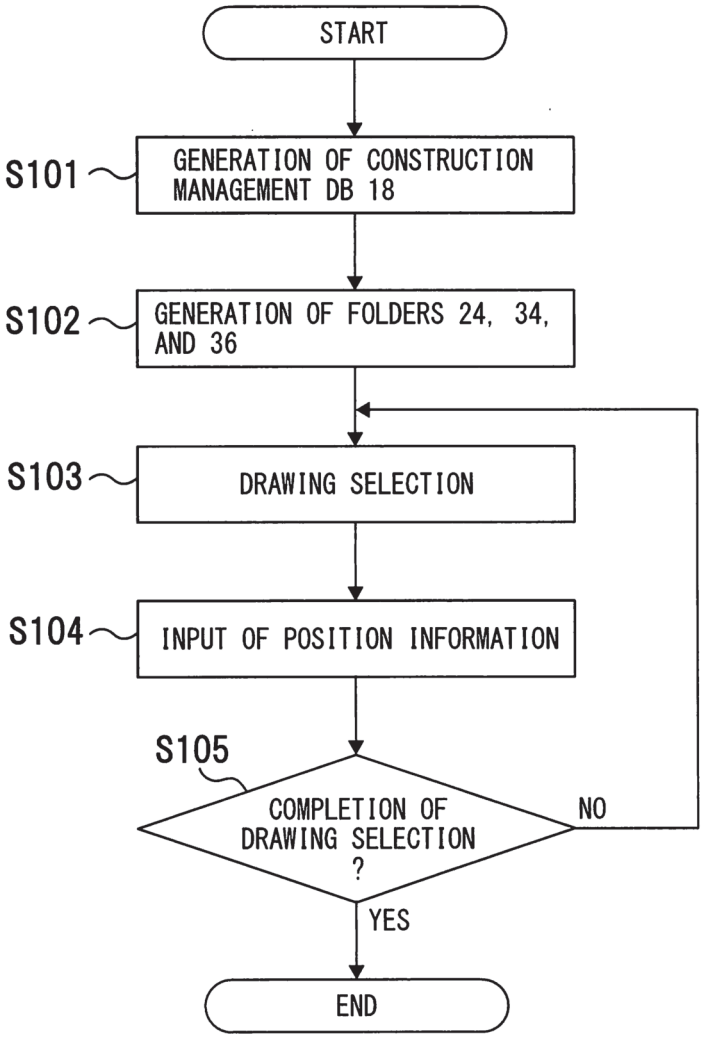

START
S101
GENERATION OF CONSTRUCTION MANAGEMENT DB 18
S102
GENERATION OF FOLDERS 24, 34, AND 36
S103
DRAWING SELECTION
S104
INPUT OF POSITION INFORMATION
S105
COMPLETION OF DRAWING SELECTION ?
NO
YES
END

FIG.5

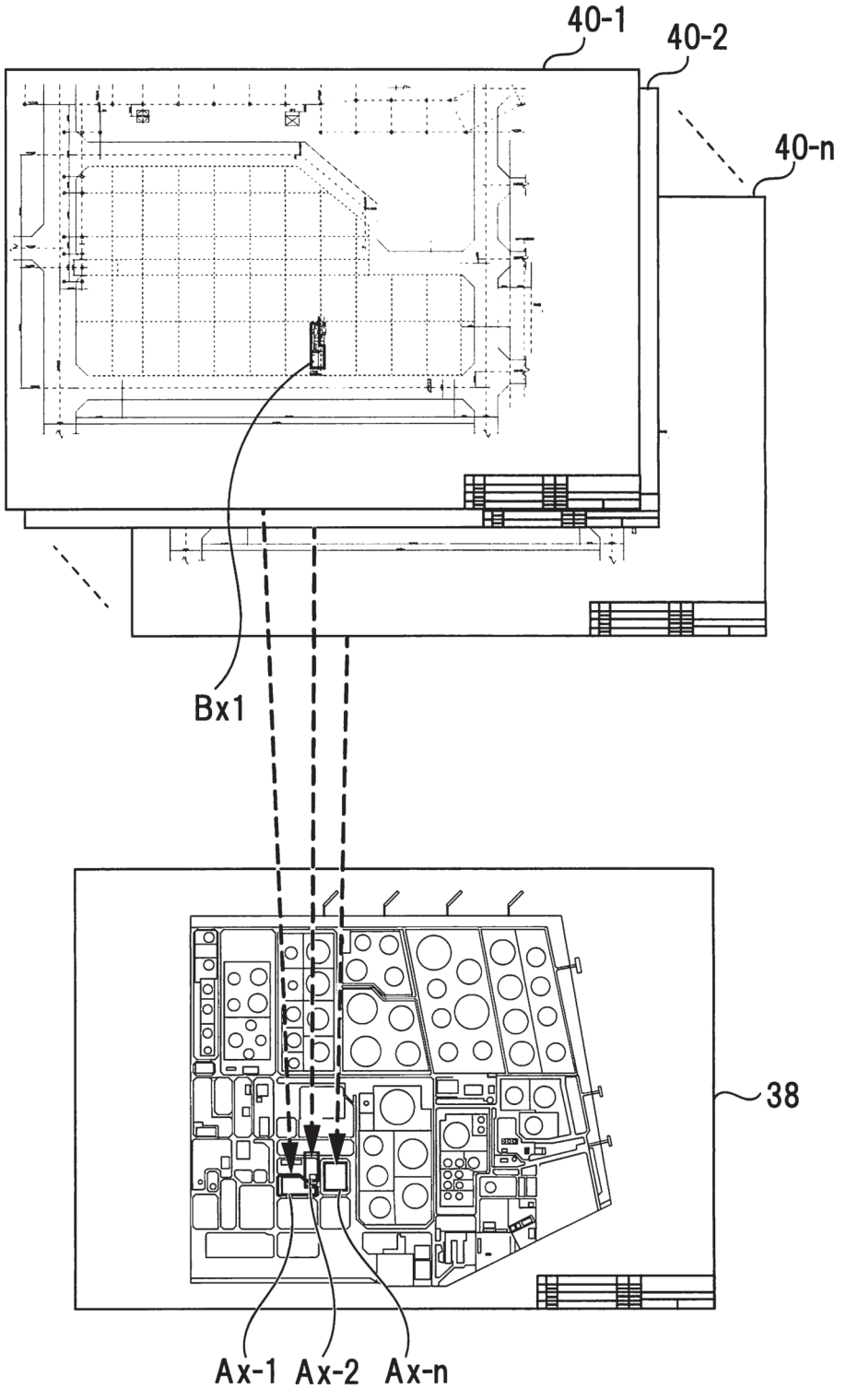


FIG.6

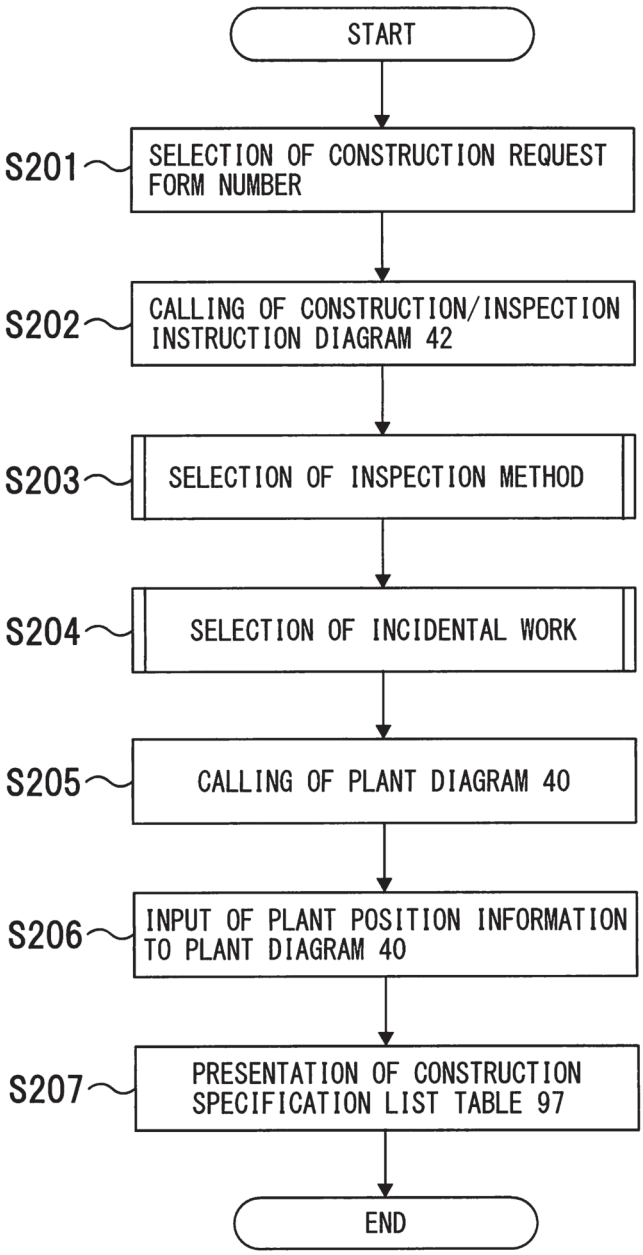
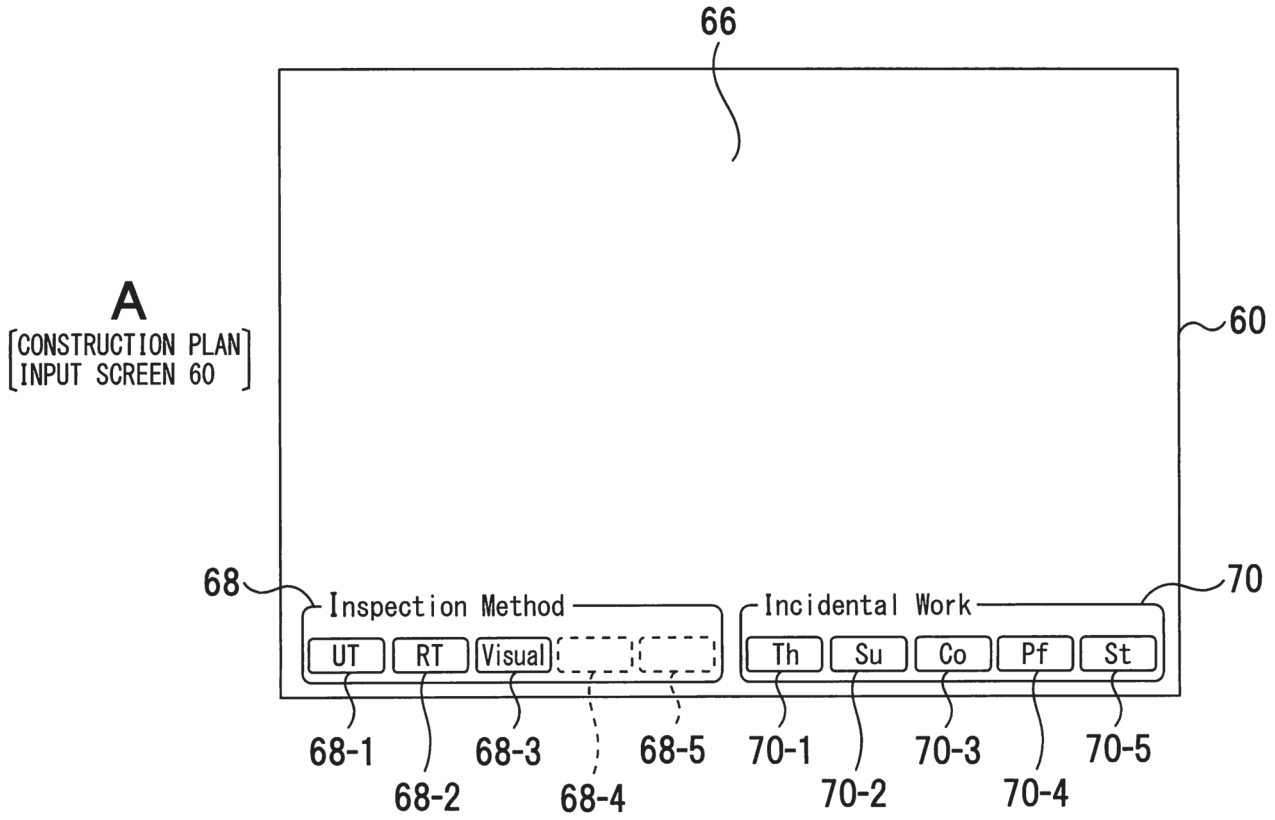

START
S201
SELECTION OF CONSTRUCTION REQUEST FORM NUMBER
S202
CALLING OF CONSTRUCTION/INSPECTION INSTRUCTION DIAGRAM 42
S203
SELECTION OF INSPECTION METHOD
S204
SELECTION OF INCIDENTAL WORK
S205
CALLING OF PLANT DIAGRAM 40
S206
INPUT OF PLANT POSITION INFORMATION TO PLANT DIAGRAM 40
S207
PRESENTATION OF CONSTRUCTION SPECIFICATION LIST TABLE 97
END

FIG.7


A
CONSTRUCTION PLAN INPUT SCREEN 60
66
60
68
Inspection Method
UT
RT
Visual
70
Incidental Work
Th
Su
Co
Pf
St
68-1
68-2
68-3
68-4
68-5
70-1
70-2
70-3
70-4
70-5

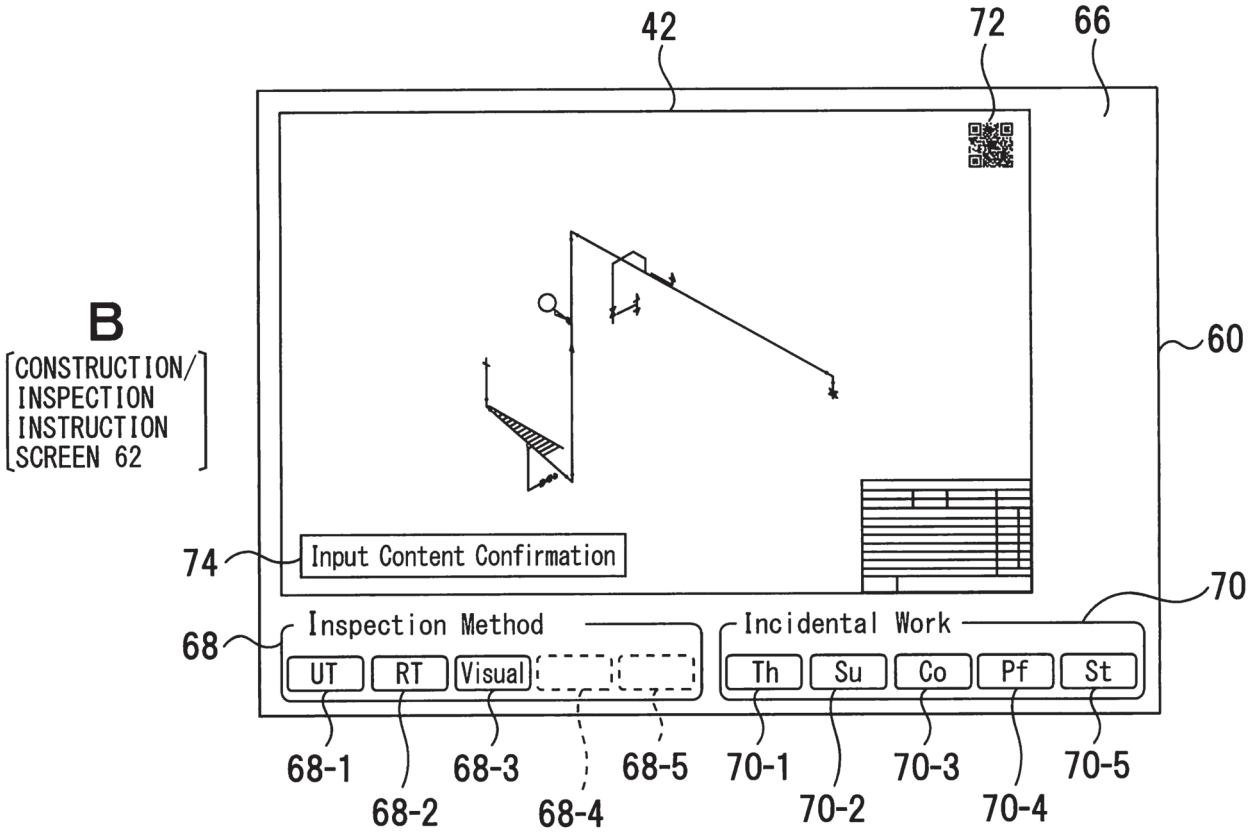
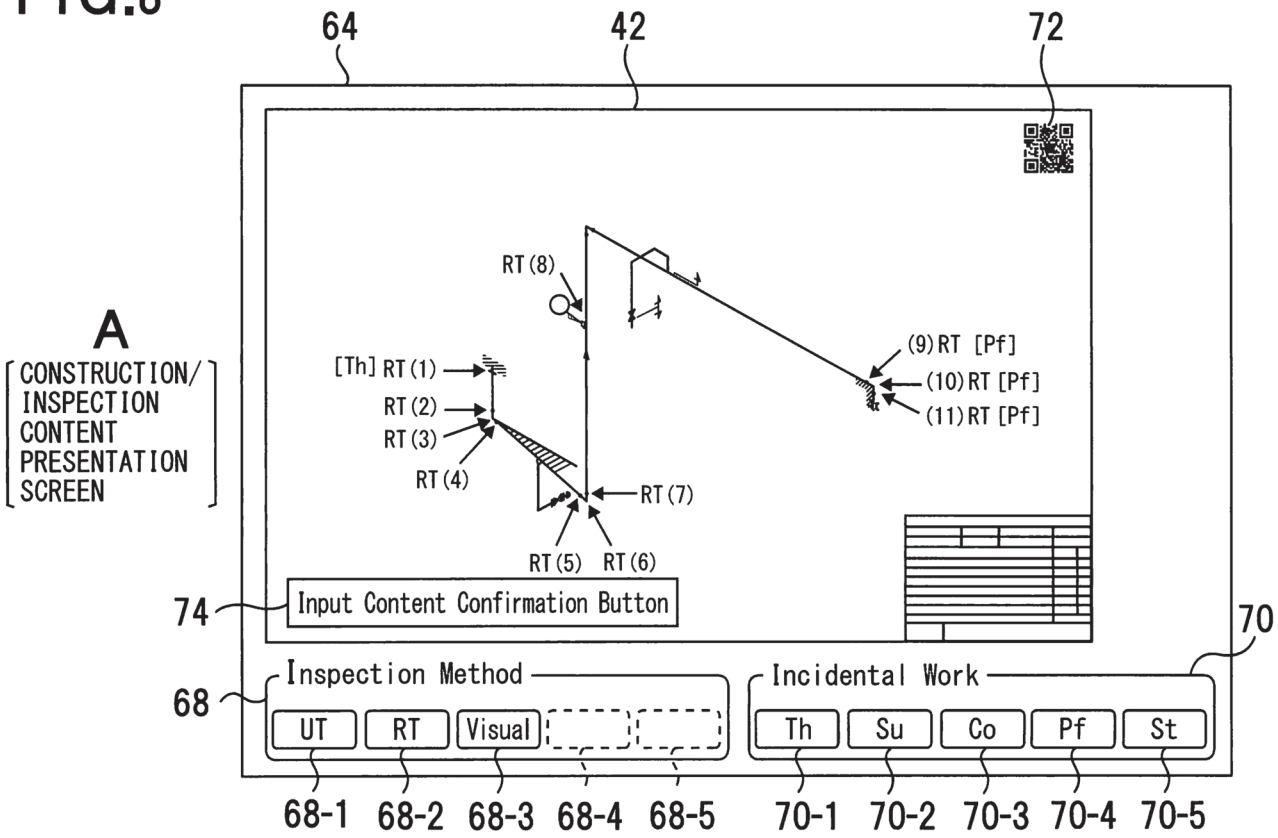
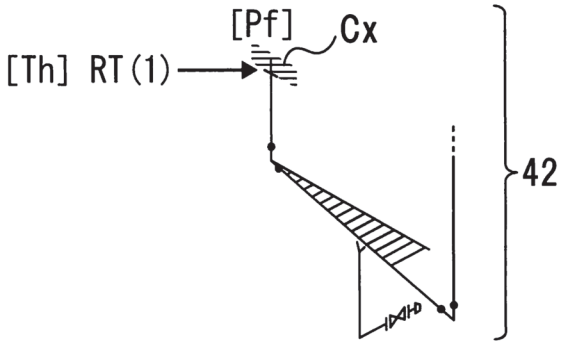

B
CONSTRUCTION/ INSPECTION INSTRUCTION SCREEN 62
42
72
66
60
74
Input Content Confirmation
68
Inspection Method
UT
RT
Visual
70
Incidental Work
Th
Su
Co
Pf
St
68-1
68-2
68-3
68-4
68-5
70-1
70-2
70-3
70-4
70-5

FIG.8





C
[CONSTRUCTION SYMBOLS AND COLOR MARKS]

Construction Symbol	Color Mark
[Th]	
[Su]	
[Co]	
[Pf]	
[St]	

FIG.9

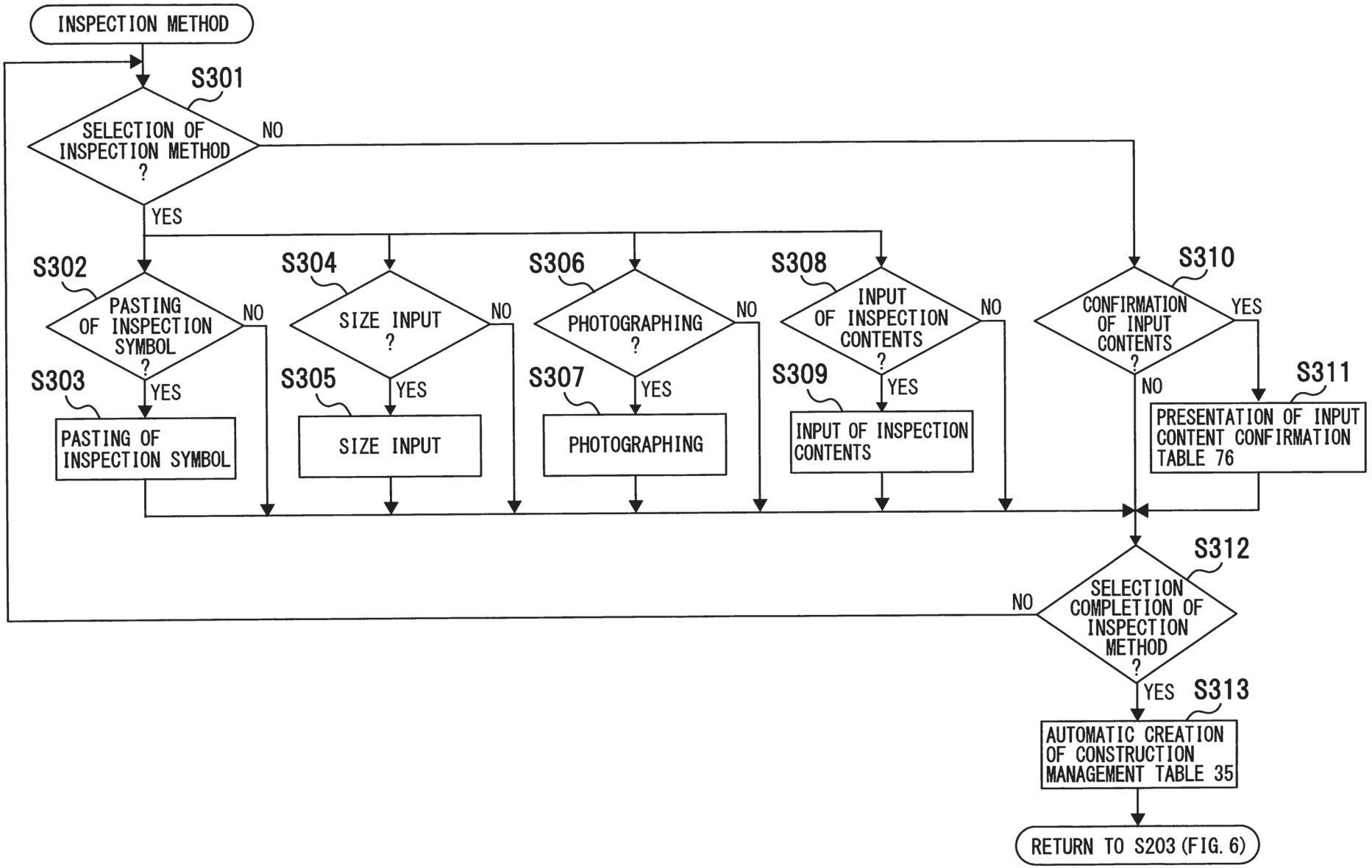

INSPECTION METHOD
S301
SELECTION OF INSPECTION METHOD ?
NO
YES
S302
PASTING OF INSPECTION SYMBOL ?
NO
YES
S303
PASTING OF INSPECTION SYMBOL
S304
SIZE INPUT ?
NO
YES
S305
SIZE INPUT
S306
PHOTOGRAPHING ?
NO
YES
S307
PHOTOGRAPHING
S308
INPUT OF INSPECTION CONTENTS ?
NO
YES
S309
INPUT OF INSPECTION CONTENTS
S310
CONFIRMATION OF INPUT CONTENTS ?
YES
NO
S311
PRESENTATION OF INPUT CONTENT CONFIRMATION TABLE 76
S312
SELECTION COMPLETION OF INSPECTION METHOD ?
NO
YES
S313
AUTOMATIC CREATION OF CONSTRUCTION MANAGEMENT TABLE 35
RETURN TO S203 (FIG. 6)

FIG.10

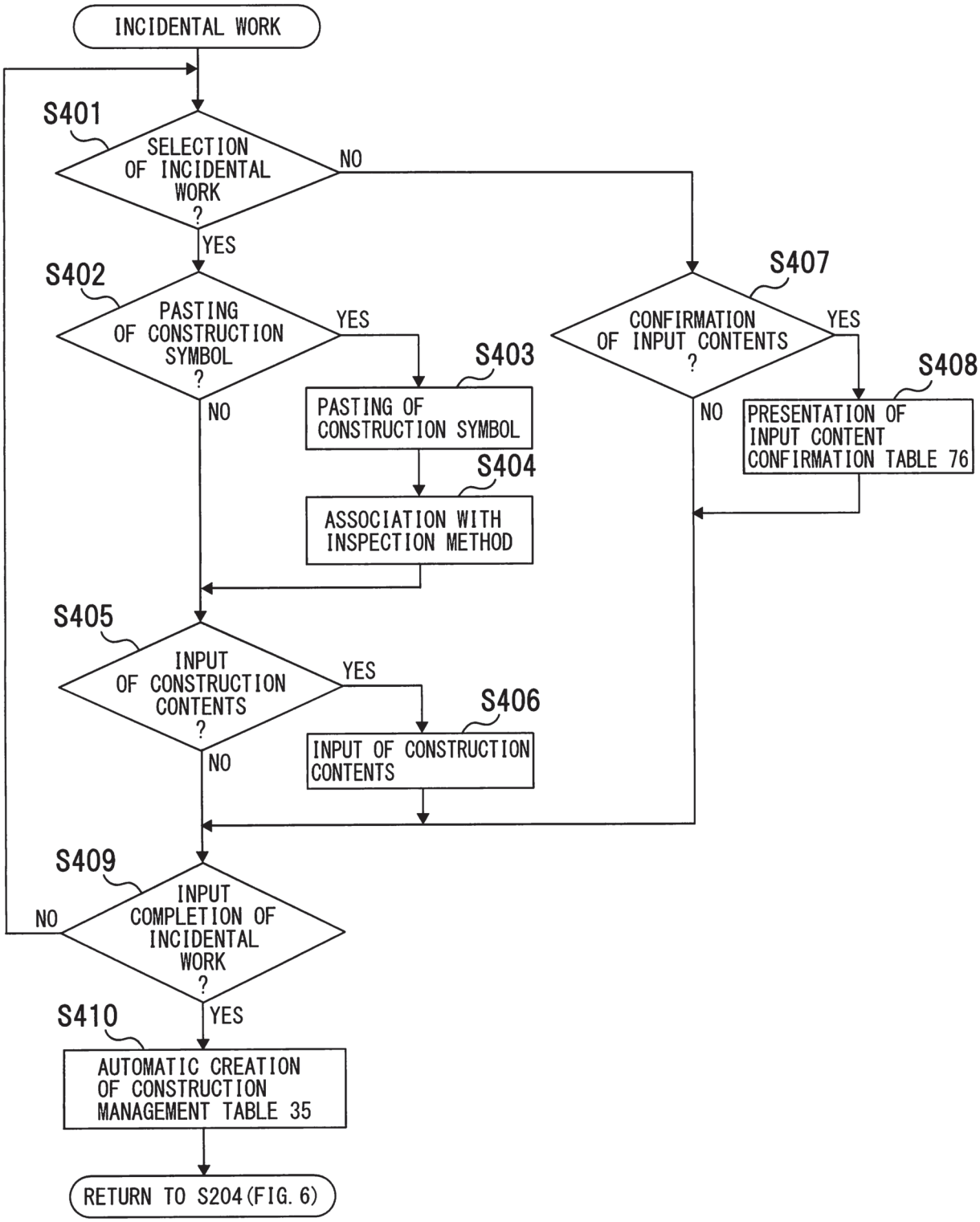

INCIDENTAL WORK
S401
SELECTION OF INCIDENTAL WORK ?
NO
YES
S402
PASTING OF CONSTRUCTION SYMBOL ?
YES
NO
S403
PASTING OF CONSTRUCTION SYMBOL
S404
ASSOCIATION WITH INSPECTION METHOD
S407
CONFIRMATION OF INPUT CONTENTS ?
YES
NO
S408
PRESENTATION OF INPUT CONTENT CONFIRMATION TABLE 76
S405
INPUT OF CONSTRUCTION CONTENTS ?
YES
NO
S406
INPUT OF CONSTRUCTION CONTENTS
S409
INPUT COMPLETION OF INCIDENTAL WORK ?
NO
YES
S410
AUTOMATIC CREATION OF CONSTRUCTION MANAGEMENT TABLE 35
RETURN TO S204 (FIG. 6)

FIG.11

[INPUT CONTENT PRESENTATION SCREEN 75]

INPUT CONTENT CONFIRMATION TABLE

76

78 80 82 84 86 88 90 92 94

Inspection Number	Size	Inspection Method					Thermal Insulation Work	Substrate Treatment	Coating	Scaffold Assembly	Stepladder	Remark
		UT	RT	Visual	···	···						
·····	····	····	····	····	····	····	·····	·····	·····	·····	·····	·····
·····	····	····	····	····	····	····	·····	·····	·····	·····	·····	·····
·····	····	····	····	····	····	····	·····	·····	·····	·····	·····	·····
·····	····	····	····	····	····	····	·····	·····	·····	·····	·····	·····
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
·····	····	····	····	····	···	···	·····	·····	·····	·····	·····	·····

FIG.12

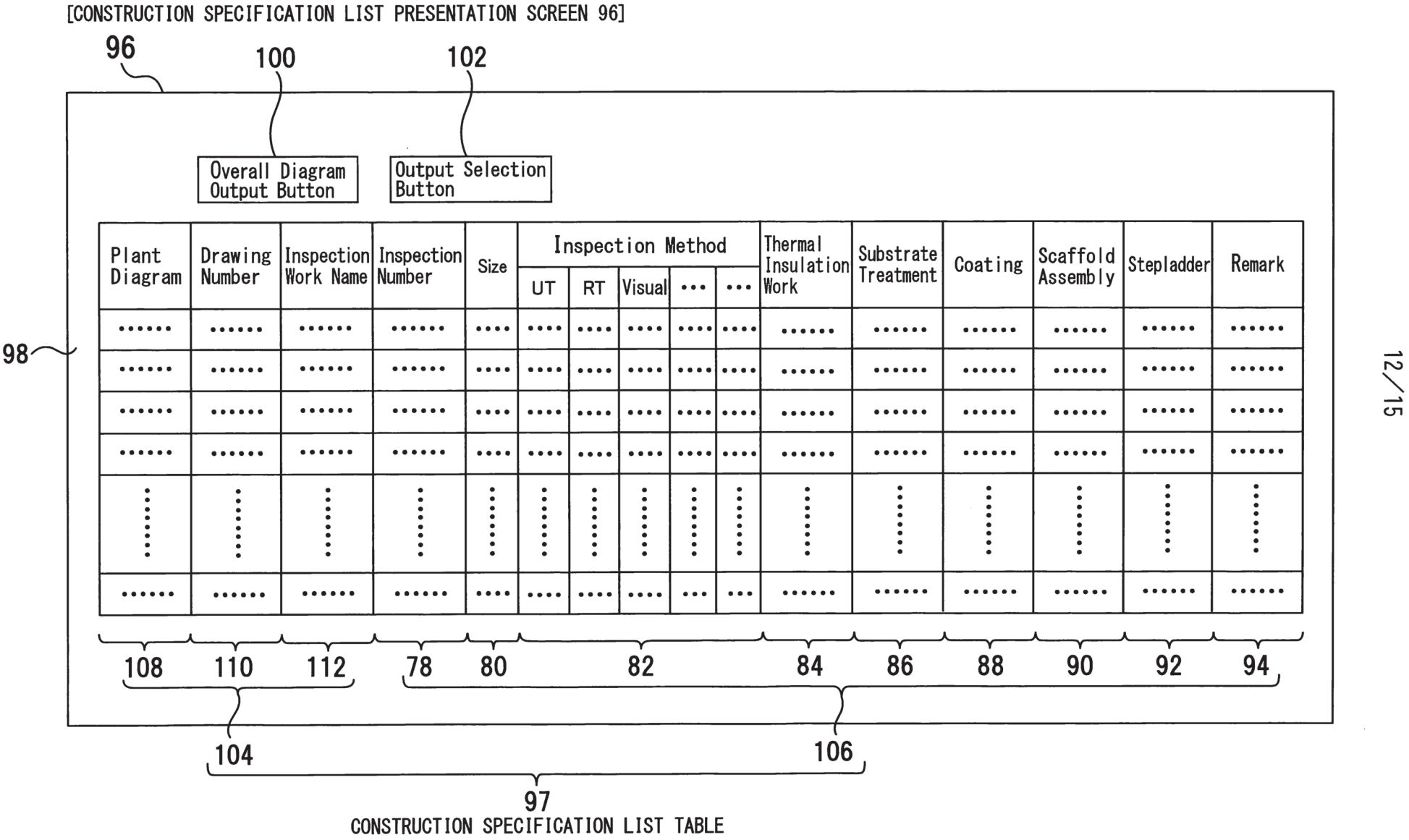

[CONSTRUCTION SPECIFICATION LIST PRESENTATION SCREEN 96]
96
100
102
Overall Diagram Output Button
Output Selection Button
98
Plant Diagram
Drawing Number
Inspection Work Name
Inspection Number
Size
Inspection Method
UT
RT
Visual
Thermal Insulation Work
Substrate Treatment
Coating
Scaffold Assembly
Stepladder
Remark
108
110
112
78
80
82
84
86
88
90
92
94
104
106
97
CONSTRUCTION SPECIFICATION LIST TABLE

FIG.13

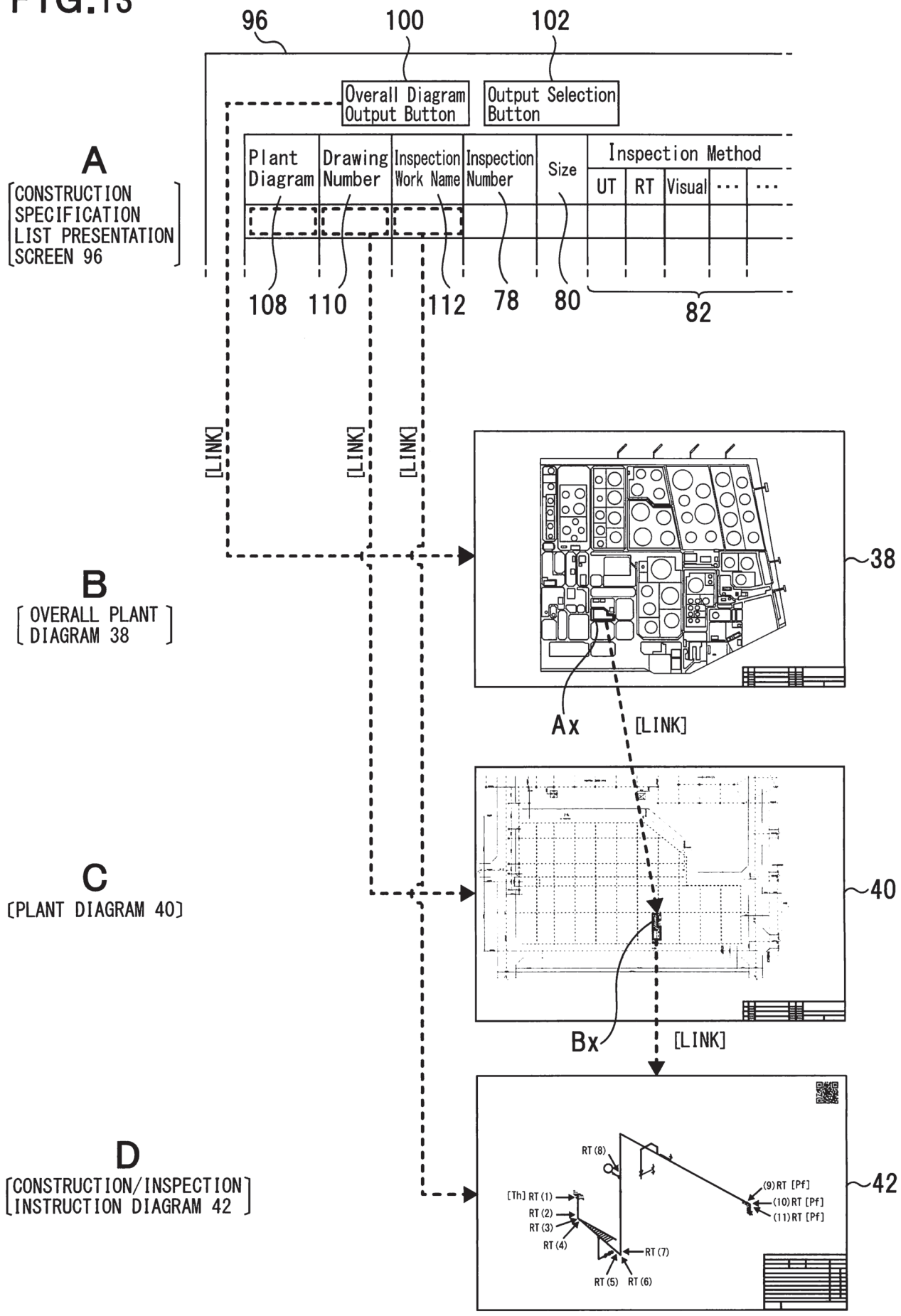

96
100
102
Overall Diagram Output Button
Output Selection Button
A
[CONSTRUCTION SPECIFICATION LIST PRESENTATION SCREEN 96]
Plant Diagram
Drawing Number
Inspection Work Name
Inspection Number
Size
Inspection Method
UT
RT
Visual
108
110
112
78
80
82
[LINK]
[LINK]
[LINK]
B
[OVERALL PLANT DIAGRAM 38]
38
Ax
[LINK]
C
[PLANT DIAGRAM 40]
40
Bx
[LINK]
D
[CONSTRUCTION/INSPECTION INSTRUCTION DIAGRAM 42]
42
RT (8)
[Th] RT (1)
RT (2)
RT (3)
RT (4)
RT (5)
RT (6)
RT (7)
(9) RT [Pf]
(10) RT [Pf]
(11) RT [Pf]

FIG.14

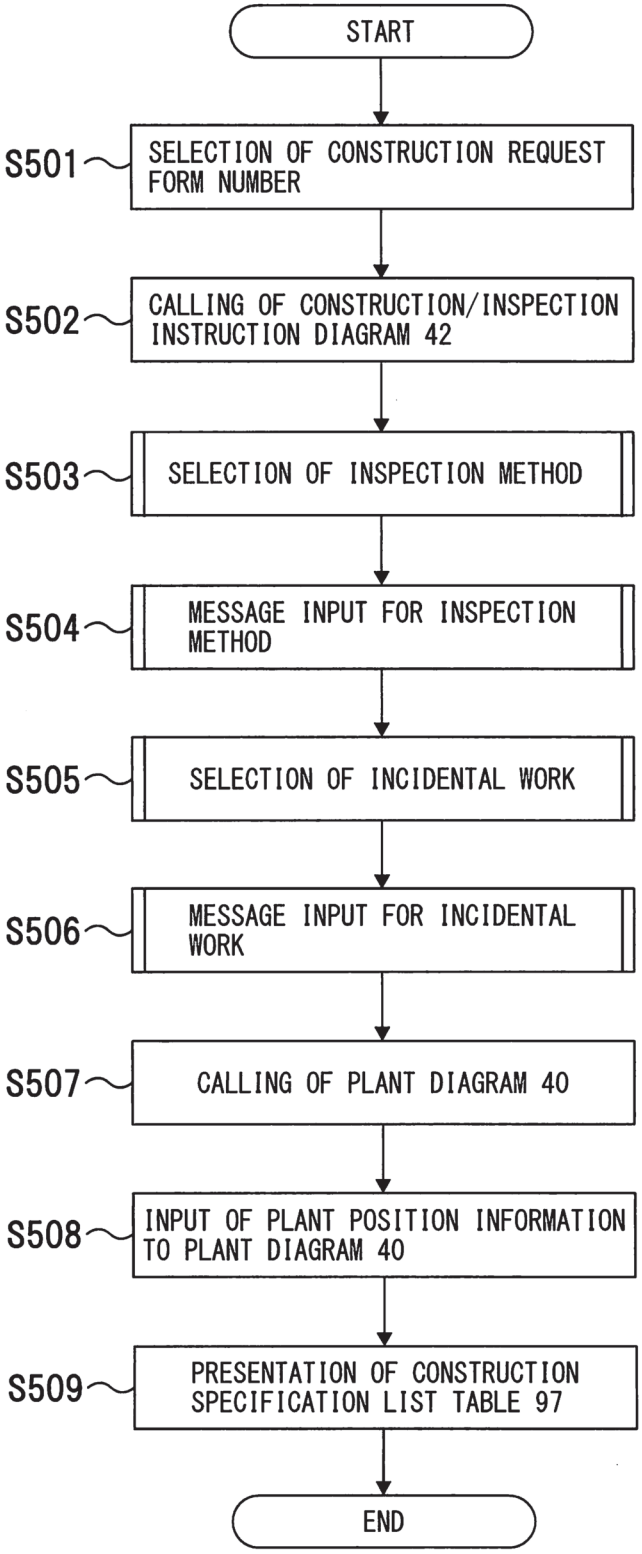
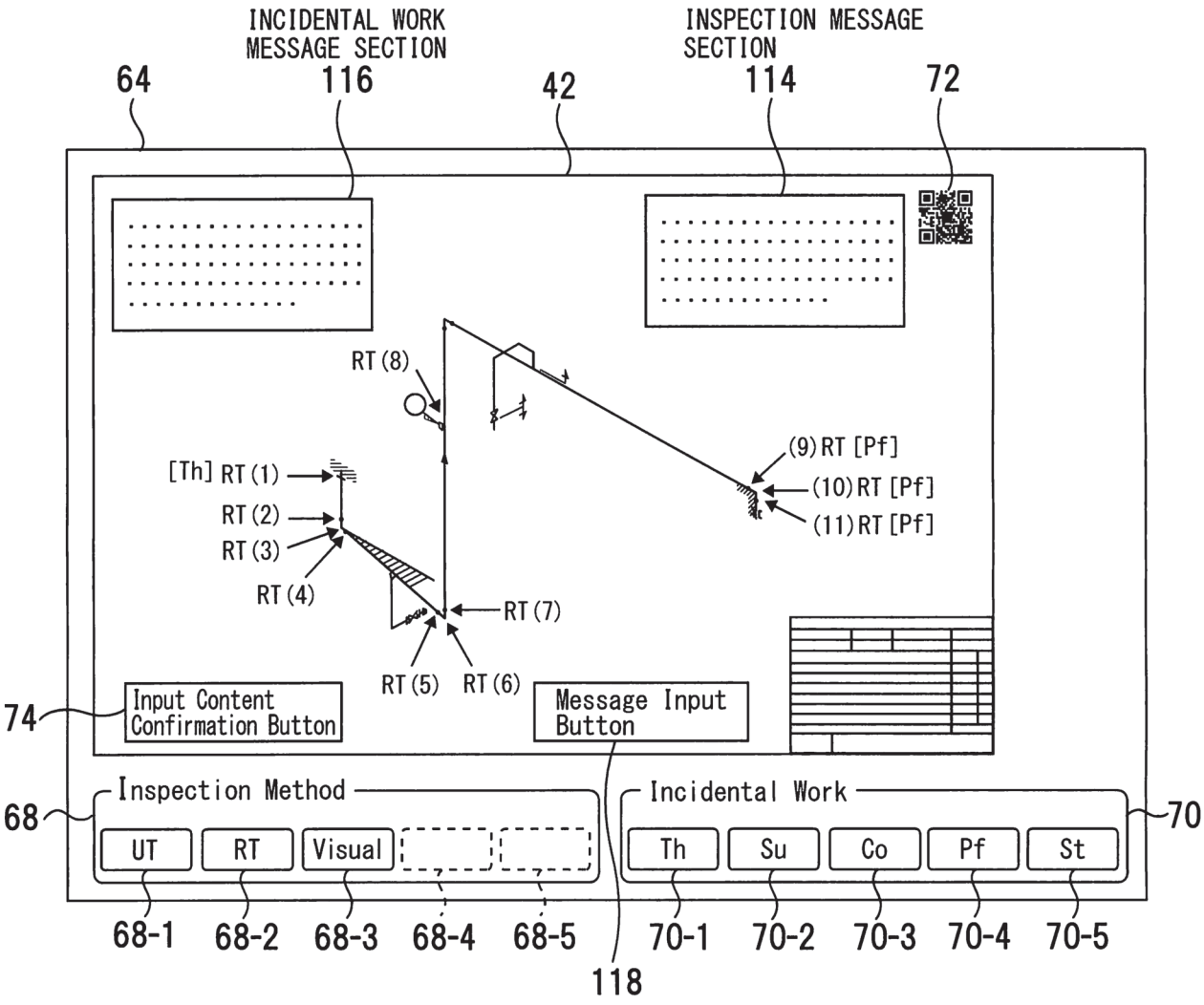

START
S501
SELECTION OF CONSTRUCTION REQUEST FORM NUMBER
S502
CALLING OF CONSTRUCTION/INSPECTION INSTRUCTION DIAGRAM 42
S503
SELECTION OF INSPECTION METHOD
S504
MESSAGE INPUT FOR INSPECTION METHOD
S505
SELECTION OF INCIDENTAL WORK
S506
MESSAGE INPUT FOR INCIDENTAL WORK
S507
CALLING OF PLANT DIAGRAM 40
S508
INPUT OF PLANT POSITION INFORMATION TO PLANT DIAGRAM 40
S509
PRESENTATION OF CONSTRUCTION SPECIFICATION LIST TABLE 97
END

FIG.15


INCIDENTAL WORK MESSAGE SECTION
116
INSPECTION MESSAGE SECTION
114
64
42
72
RT (8)
[Th] RT (1)
RT (2)
RT (3)
RT (4)
RT (5)
RT (6)
RT (7)
(9) RT [Pf]
(10) RT [Pf]
(11) RT [Pf]
74
Input Content Confirmation Button
Message Input Button
118
68
Inspection Method
UT
RT
Visual
68-1
68-2
68-3
68-4
68-5
Incidental Work
Th
Su
Co
Pf
St
70
70-1
70-2
70-3
70-4
70-5