

 BY JOHNSON CONTROLS	MODEL YIA ABSORPTION CHILLERS	
RENEWAL PARTS	Supersedes: NOTHING	Form 155.21-RP1 (1109)

OPTIVIEW™ CONTROL CENTER

371-05234-101 (NEMA 1)

371-05235-101 (NEMA 4/12)

371-05236-101 (CE)

MODEL YIA



ITEM #	DESCRIPTION	YORK P/N	QTY.
1	Enclosure Assy.(NEMA 1)	371 05234 301	1
1	Enclosure Assy. (NEMA 4/12)	371 05235 301	1
1	Enclosure Assy. (CE)	371 02487 000	1
2	Analog Board	371 05485 000	1
3	Standoff #8 x 5/8 (NEMA 1)	021 19668 000	6
4	Shoulder #8	021 19669 000	6
5	Mount, Cable Strap	025 25155 000	6
6	Clamp, Ribbon Cable	025 25156 000	2
7	Clamp, Ribbon Cable	025 29103 000	2
8	Terminal Block	025 41907 000	1
9	I/O Board	031 01743 002	1
12	Clip, Wire (NEMA 4/12, CE)	025 34129 000	1
13	Power Supply	025 34111 000	1
14	Transformer	025 30889 000	1
15	Harness (NEMA 1, NEMA 4/12)	571 03774 272	1
15	Harness (CE)	571 02486 272	1
16	Switch, Keypad (NEMA 1, NEMA 4/12)	024 30993 000	1
16	Switch, Keypad (CE)	024 30994 000	1
17	Guard, Transformer (CE)	371 02486 326	1
18	Rail, Circuit Breaker Mtg. (CE)	071 05236 331	1
19	Circuit Breaker, 1 Pole 6A (CE)	024 30935 000	2
20	Fuse, 7A (NEMA 1, NEMA 4/12)	025 29905 000	3
23	Fastener, Pawl Adj. (NEMA 1)	021 17252 000	1
24	Switch, Rocker (NEMA 1)	024 23143 000	1
24	Switch, 3-Position Selector (NEMA 4/12, CE)	024 30931 000	1
25	Block, Cont Herm Sealed (NEMA 4/12, CE)	024 30932 000	1
26	Buss Bar, GND (NEMA 4/12, CE)	025 34122 000	2
27	Gasket, Neoprene	071 05170 000	1
28	Kit, Display (See NOTE 1)	331 01771 000	1
29	Cover, Display	071 02264 346	1
31	Harness, Door Wiring (NEMA 1)	571 02772 281	1
31	Harness, Door Wiring (NEMA 4/12)	571 02773 281	1
31	Harness, Door Wiring (CE)	571 04120 281	1
32	Cable, Ribbon (NEMA 1)	031 01772 000	1
32	Cable, Ribbon (NEMA 4/12, CE)	031 02015 000	1
34	Cable, Ribbon	031 01779 000	1
37	Nameplate, Patent	029 20119 000	1
39	Insulator, I/O Board	071 02486 330	1
41	Strap, Grounding	025 32505 001	1
43	Label,Caution	035 05548 000	1
44	Relay, Control	024 23962 000	1

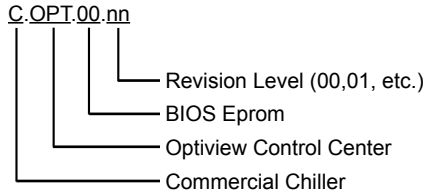
ITEM #	DESCRIPTION	YORK P/N	QTY.
45	Controller, Level	025 42093 000	2
46	Standoff	021 32225 000	6
49	Disconnect Switch (CE)	025 34171 000	1
63	Spacer	021 19173 000	4
69	Fuse, Microfuse 5A	025 34592 000	1
71	Mount, Anti Vibration	021 19191 000	4
74	Suppressor	031 00808 000	6
77	Fuse, Holder	025 34565 000	1
78	Fuse, 5A	025 15759 000	3
79	Fuse, 4A	025 34566 000	2
81	Label, Fuse	035 17174 000	1
85	Clamp, Flat Cable Ferrite	025 34172 000	1
86	Clamp, Ferrite Sleeve Snap	025 34175 000	2
101	Main Harness (NEMA 1)	571 05234 241	1
101	Main Harness (NEMA 4/12)	571 05235 241	1
101	Main Harness (CE)	571 05236 241	1
107	Fuseholder	025 13991 000	2
111	EPROM (Flash Chip, U37)	031 02429 003	1
112	BRAM	031 02565 000	1
117	Harness, Aux. Wiring (NEMA 1)	571 02264 251	1
117	Harness, Aux. Wiring (NEMA 4/12)	571 02448 251	1
117	Harness, Aux. Wiring (CE)	571 02486 251	1
127	Label, Service Replacement	035 21581 008	1
131	Nut, Expansion	021 14661 000	-
135	Program Card	031 02876 001	1
150	Housing, Connector P7 (24 pin)	025 34533 000	1
151	Housing, Connector P8 (22 pin)	025 34117 000	1
152	Housing, Connector P9 (20 pin)	025 34116 000	1
153	Contact, Socket (P7, P8, P9)	025 28386 000	-
154	Housing, Connector P14 (12 pin)	025 39327 000	1
155	Contact, Socket (P14)	025 39329 000	-
156	Housing, Connector P32 (8 pin)	025 34144 000	1
157	Contact, Socket (P32)	025 34145 000	-
158	Housing, Connector J30 (12 pin)	025 34147 000	1
159	Contact, Pins (J30)	025 30999 000	-

NOTES:

1. The replacement Liquid Crystal Display supplied by YORK might not be by the same manufacturer as the original Display. Each Display requires a specific Display Interface Board, Backlight Inverter Board, and Backlight Inverter Board ribbon cable. Therefore, the Liquid Crystal Display is not available separately. **Service replacement Displays or supporting components must not be arbitrarily selected! Non-compatibility of components will result in incorrect operation!** To assure compatible supporting components, the Display is supplied as a kit (331-01771-000), which contains a replacement Display and all compatible supporting components on a mounting plate. For future reference, a label attached to the side of the mounting plate (FIG. 2) lists the YORK part numbers of these compatible components and the required configuration of the Microboard Program Jumpers. These Program Jumpers must be configured for this Display by a qualified Service Technician. The contents of the kit are as follows:

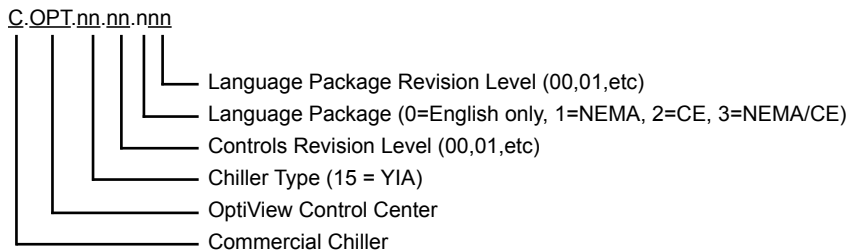
- | | |
|---|--|
| a. Liquid Crystal Display | e. Appropriate Backlight Inverter Board for Display |
| b. Backlight Bulb | f. Appropriate Backlight Inverter Board Ribbon Cable |
| c. Appropriate Display Interface Board for Display | g. All mounting hardware. |
| d. Appropriate Display Interface Board Ribbon Cable | h. Installation instructions. |

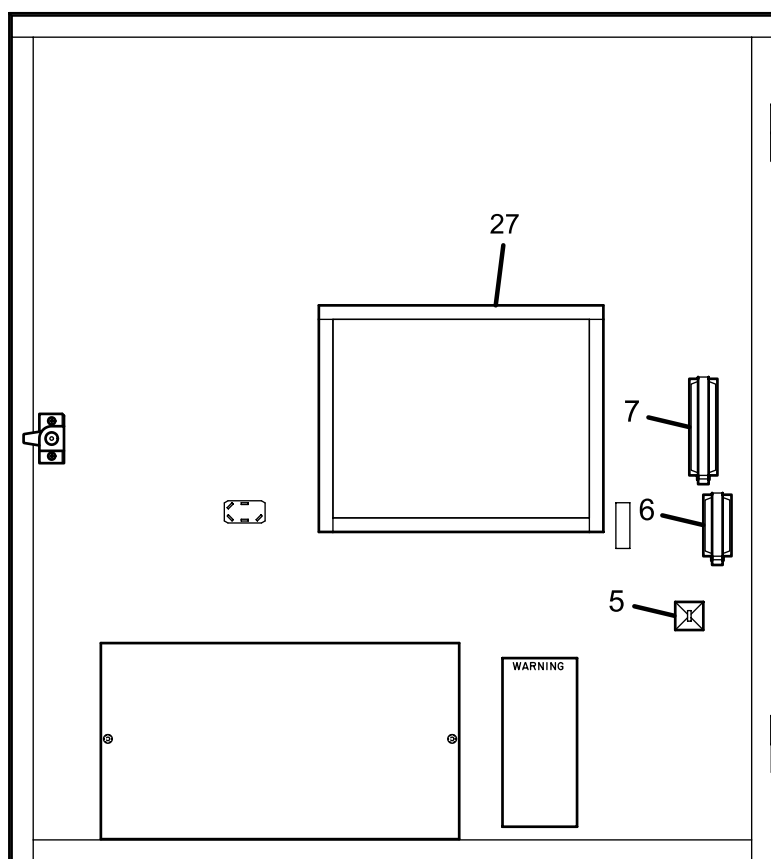
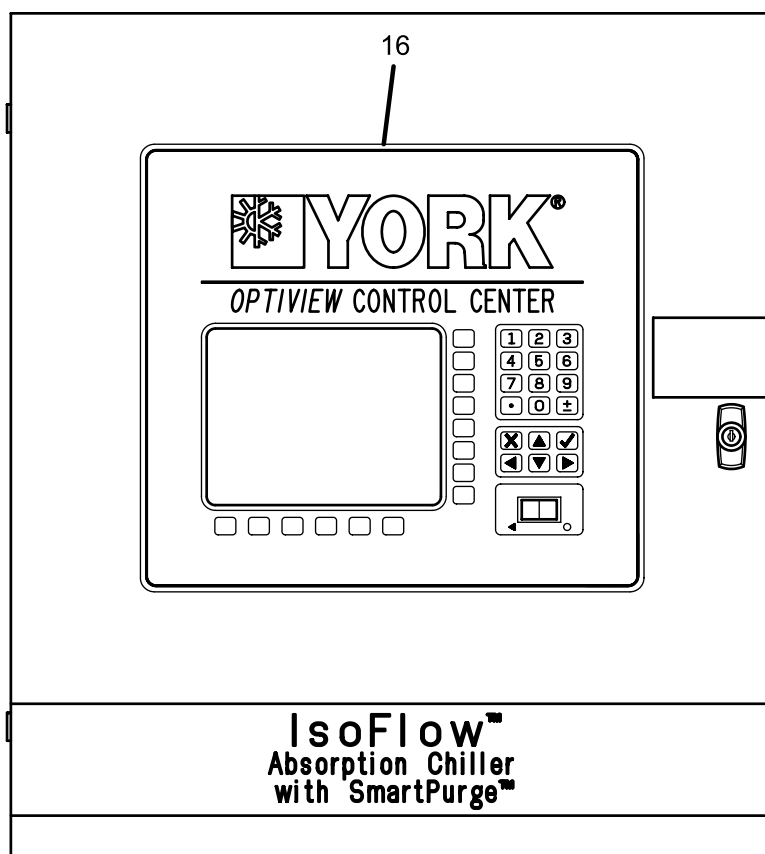
2. BIOS Eprom version analysis:



3. Extra Supressors are shipped in cloth bag. They are applied at solenoids and relays located on chiller.

4. Program Card (item 135) version analysis:



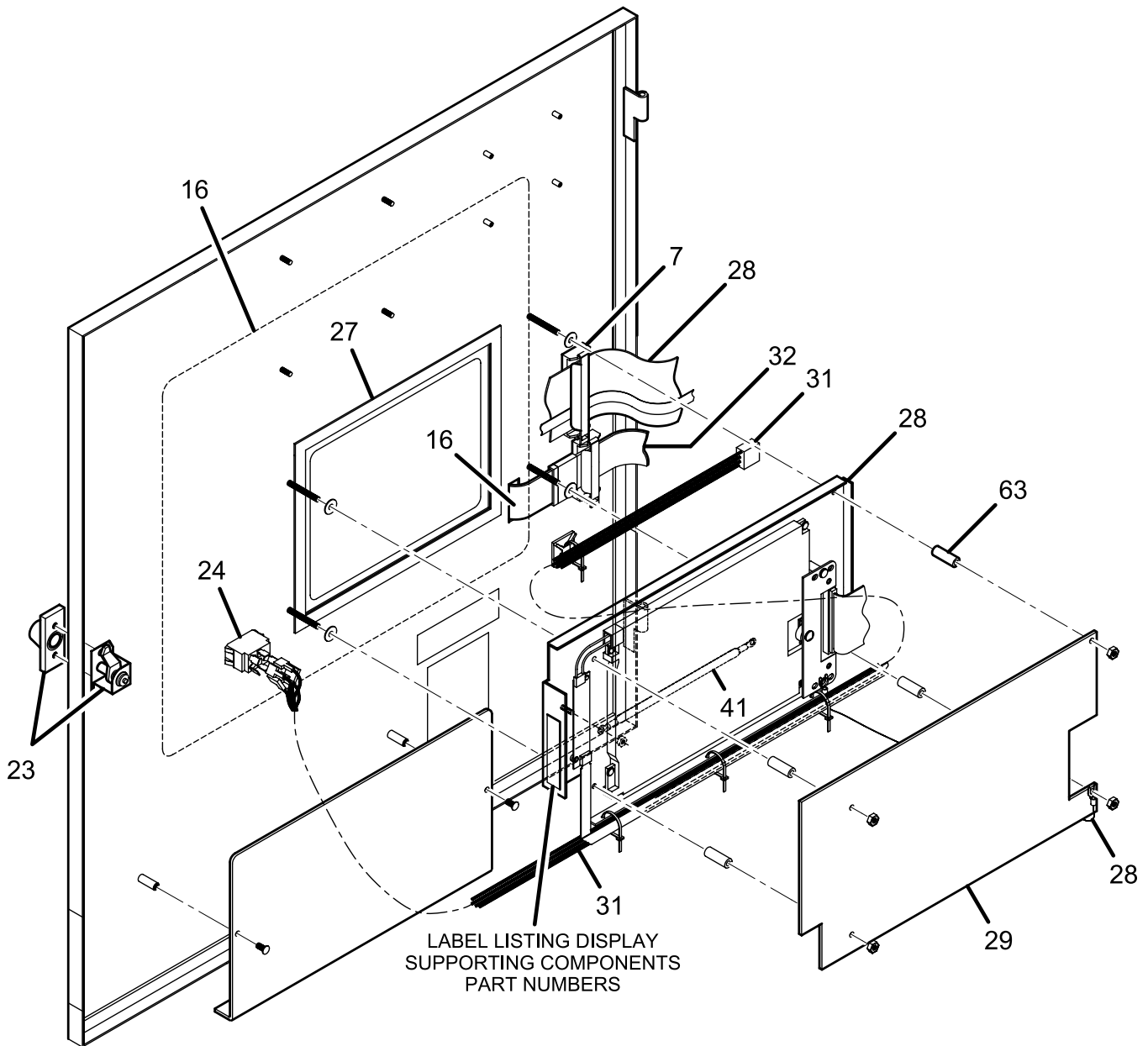


NOTE:
NEMA 1 PANEL SHOWN

DOOR
(INSIDE VIEW)

LD13711

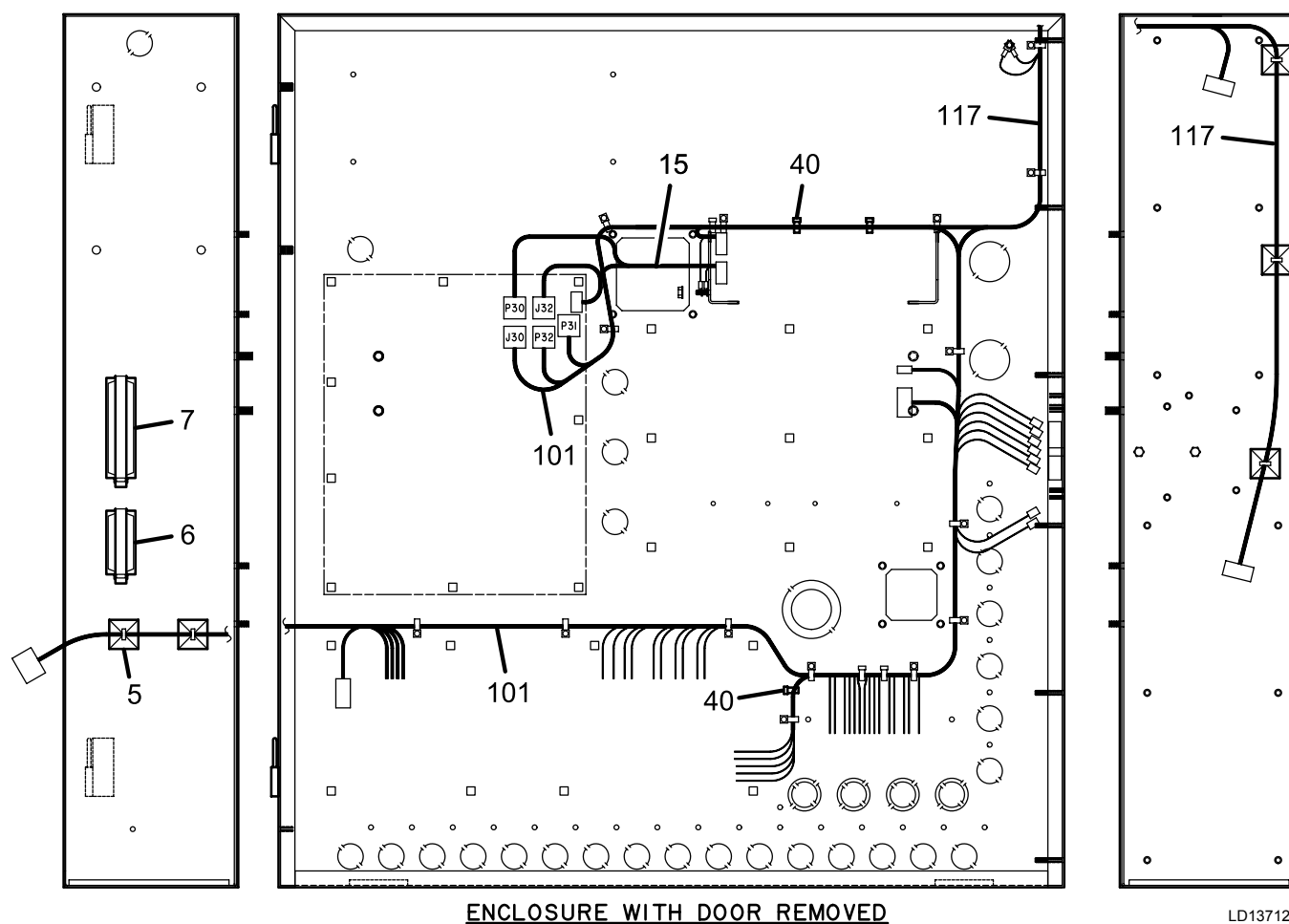
FIG. 1 – DOOR OF OPTIVIEW CONTROL CENTER



NOTE:
NEMA 1 PANEL SHOWN

LD13710

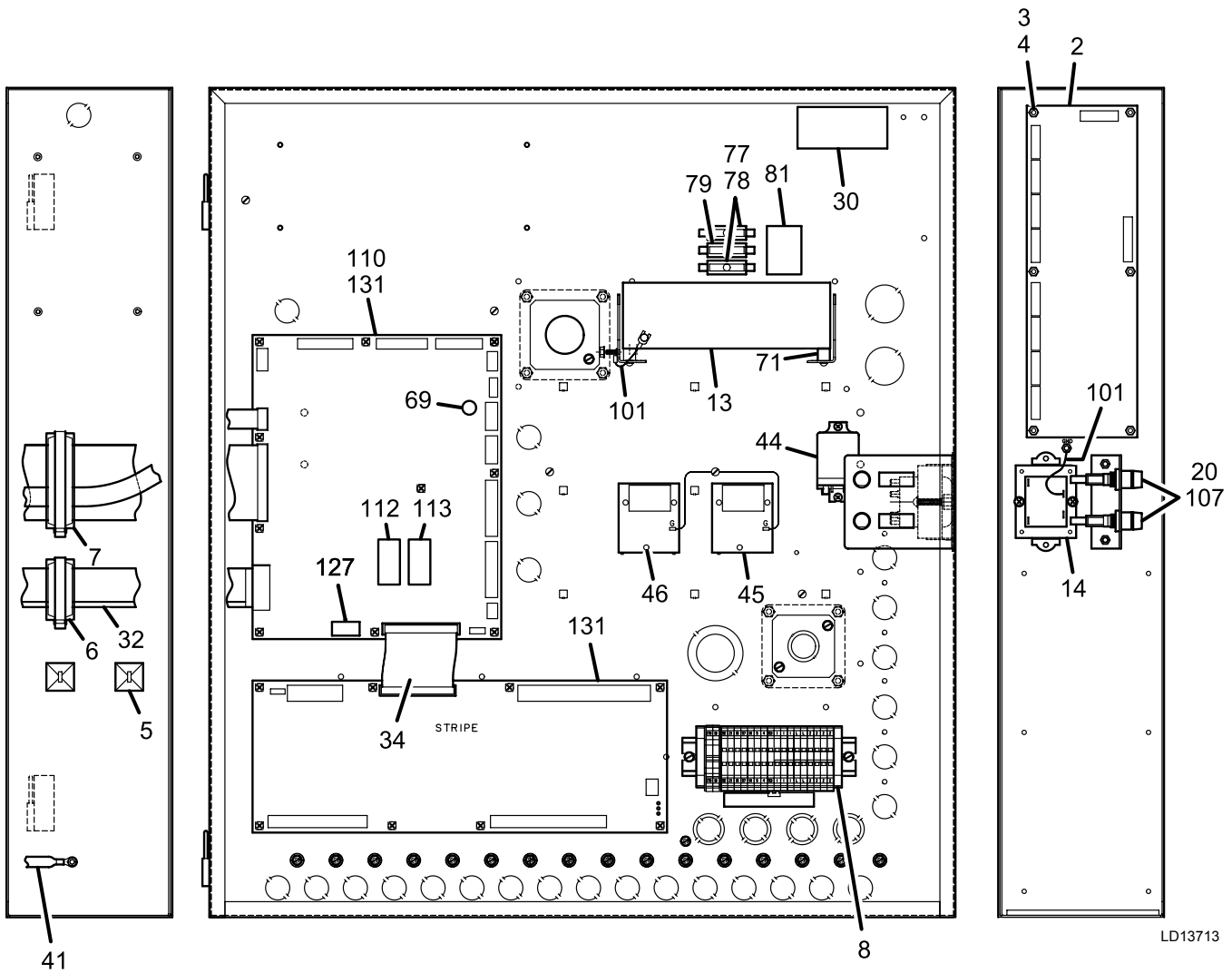
FIG. 2 – DISPLAY COMPONENTS



LD13712

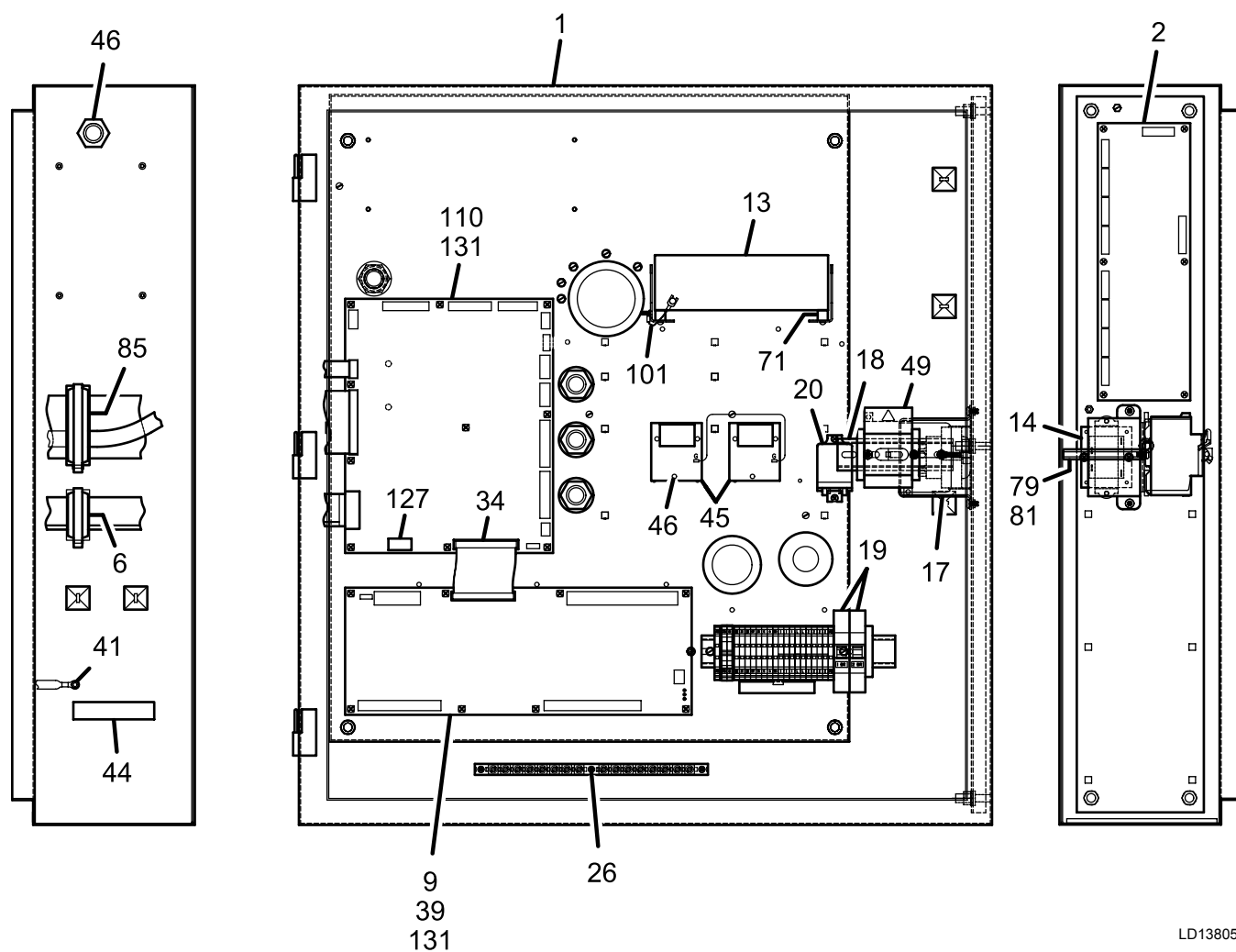
NOTE:
NEMA 1 PANEL SHOWN

FIG. 3 – INSIDE OF OPTIVIEW CONTROL CENTER



NOTE:
NEMA PANEL SHOWN

FIG. 3 (CON'T) – INSIDE OF OPTIVIEW CONTROL CENTER



NOTE:
CE PANEL SHOWN

FIG. 4 – INSIDE OF OPTIVIEW CONTROL CENTER (CE)

NOTES

NOTES



BY JOHNSON CONTROLS

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Form 155.21-RP1 (1109)
Supersedes: Nothing

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