Rung	Description	Tag	Output
0	Virtual Motor 0 V_M0	M0	\<Local:5:O.Data.0\>
1	Virtual Indicator Light 4 V_IL4	IL4	\<Local:4:O.Data.0\>
2	Virtual Indicator Light 3 V_IL3	IL3	\<Local:4:O.Data.1\>
3	Virtual Indicator Light 2 V_IL2	IL2	\<Local:4:O.Data.2\>
4	Virtual Indicator Light 1 V_IL1	IL1	\<Local:4:O.Data.3\>
5	Virtual Indicator Light Open V_ILO	ILO	\<Local:4:O.Data.4\>
6	Virtual Indicator Light Close V_ILC	ILC	\<Local:4:O.Data.5\>
7	Virtual Indicator Light Emergency 5 V_ILE5	ILE5	\<Local:4:O.Data.6\>
8	Virtual Floor Indicator Light 4 V_FIL4	FIL4	\<Local:4:O.Data.8\>
9	Virtual Floor Indicator Light 3 V_FIL3	FIL3	\<Local:4:O.Data.9\>
10	Virtual Floor Indicator Light 2 V_FIL2	FIL2	\<Local:4:O.Data.10\>
11	Virtual Floor Indicator Light 1 V_FIL1	FIL1	\<Local:4:O.Data.11\>
12	Virtual Indicator Light Toggle Switch 2 V_ILTS2	ILTS2	\<Local:4:O.Data.12\>

Buffer - Ladder Diagram

StartingFile_DamonPark:MainTask:MainProgram

Total number of rungs in routine: 37

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Rung 13: Virtual Indicator Light Toggle Switch 1 V_ILTS1 — Indicator Light Toggle SW1 ILTS1 <Local:4:O.Data.13>

Rung 14: Vitual Indicator Light Toggle Switch 0 V_ILTS0 — Indicator Light Toggle Switch 0 ILTS0 <Local:4:O.Data.14>

Rung 15: Virtual Solenoid 0 V_SOL0 — SOL0 <Local:5:O.Data.2>

Rung 16: Virtual Control Relay 0 V_CR0 — CR0 <Local:5:O.Data.4>

Rung 17: START <Local:2:I.Data.14> — Virtual Start Button (N.O.) V_START

Rung 18: STOP <Local:2:I.Data.15> — Virtual Stop Button (N.C.) V_STOP

Rung 19: PB1 <Local:2:I.Data.3> / HMI_PB1 — Virtual Pushbutton 1 V_PB1

Rung 20: PB2 <Local:2:I.Data.2> / HMI_PB2 — Virtual Pushbutton 2 V_PB2

Rung 21: PB3 <Local:2:I.Data.1> / HMI_PB3 — Virtual Pushbutton 3 V_PB3

Rung 22: PB4 <Local:2:I.Data.0> / HMI_PB4 — Virtual Pushbutton 4 V_PB4

Rung 23: PBE5 <Local:2:I.Data.6> / HMI_PBE5 — Virtual Pushbutton Emergency 5 V_PBE5

Buffer - Ladder Diagram   **Page 3**
StartingFile_DamonPark:MainTask:MainProgram   4/9/2025 12:33:21 PM
Total number of rungs in routine: 37   Z:\TERM4\PLC\Elevator_Project_DamonPark_115.ACD

Rung 24:
PBO `<Local:2:I.Data.4>` / HMI_PBO — Virtual Pushbutton Open V_PBO

Rung 25:
PBC `<Local:2:I.Data.5>` / HMI_PBC — Virtual Pushbutton Close V_PBC

Rung 26:
FPB4 `<Local:2:I.Data.8>` / HMI_FPB4 — Virtual Floor Pushbutton 4 V_FPB4

Rung 27:
FPB3 `<Local:2:I.Data.9>` / HMI_FPB3 — Virtual Floor Pushbutton 3 V_FPB3

Rung 28:
FPB2 `<Local:2:I.Data.10>` / HMI_FPB2 — Virtual Floor Pushbutton 2 V_FPB2

Rung 29:
FPB1 `<Local:2:I.Data.11>` / HMI_FPB1 — Virtual Floor Pushbutton 1 V_FPB1

Rung 30:
FLS1 `<Local:3:I.Data.0>` — Virtual Floor Limit Switch 1 V_FLS1

Rung 31:
FLS2 `<Local:3:I.Data.1>` — Virtual Floor Limit Switch 2 V_FLS2

Rung 32:
FLS3 `<Local:3:I.Data.2>` — Virtual Floor Limit Switch 3 V_FLS3

Rung 33:
FLS4 `<Local:3:I.Data.3>` — Virtual Floor Limit Switch 4 V_FLS4

```
                                                                                       Virtual Door Open
            DOLS                                                                         Limit Switch
        <Local:3:I.Data.9>                                                                  V_DOLS
34 ─────────┤ ├──────────────────────────────────────────────────────────────────────────────( )──────

                                                                                       Virtual Door Close
            DCLS                                                                          Limit Switch
        <Local:3:I.Data.8>                                                                  V_DCLS
35 ─────────┤ ├──────────────────────────────────────────────────────────────────────────────( )──────

                                                                                  ─── RET ───
36 ──────────────────────────────────────────────────────────────────────────── Return from Subroutine ──


(End) ───────────────────────────────────────────────────────────────────────────────────────────────
```