Frymaster®

We Fit the Way You Fry™

YUM FPEL17

Oil Conserving Electric Fryer

Wiring Diagrams

This manual is updated as new information, and models are released. Visit our website for the latest manual.



FOR YOUR SAFETY

Do Not Store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

8 1 9 7 2 2 4 Y

Part Number: FRY_D_8197224Y 11/2026

Original Instructions

Ali GROUP

CE

WELBILT an Ali Group Company

⚠ DANGER

Prior to movement, testing, maintenance and any repair on your Frymaster fryer, disconnect ALL electrical power from the fryer.

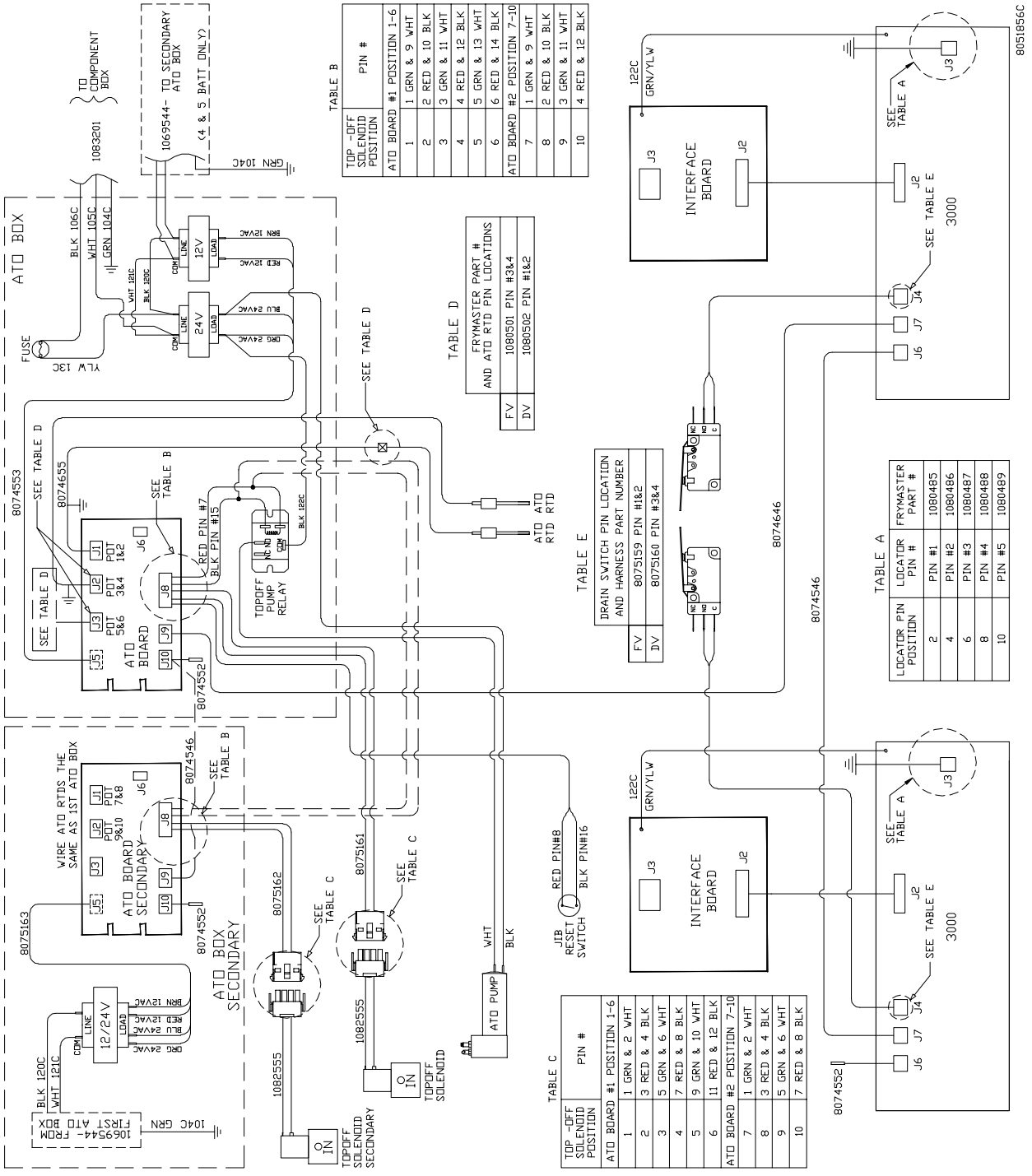
YUM FPEL17 SERIES ELECTRIC FRYER
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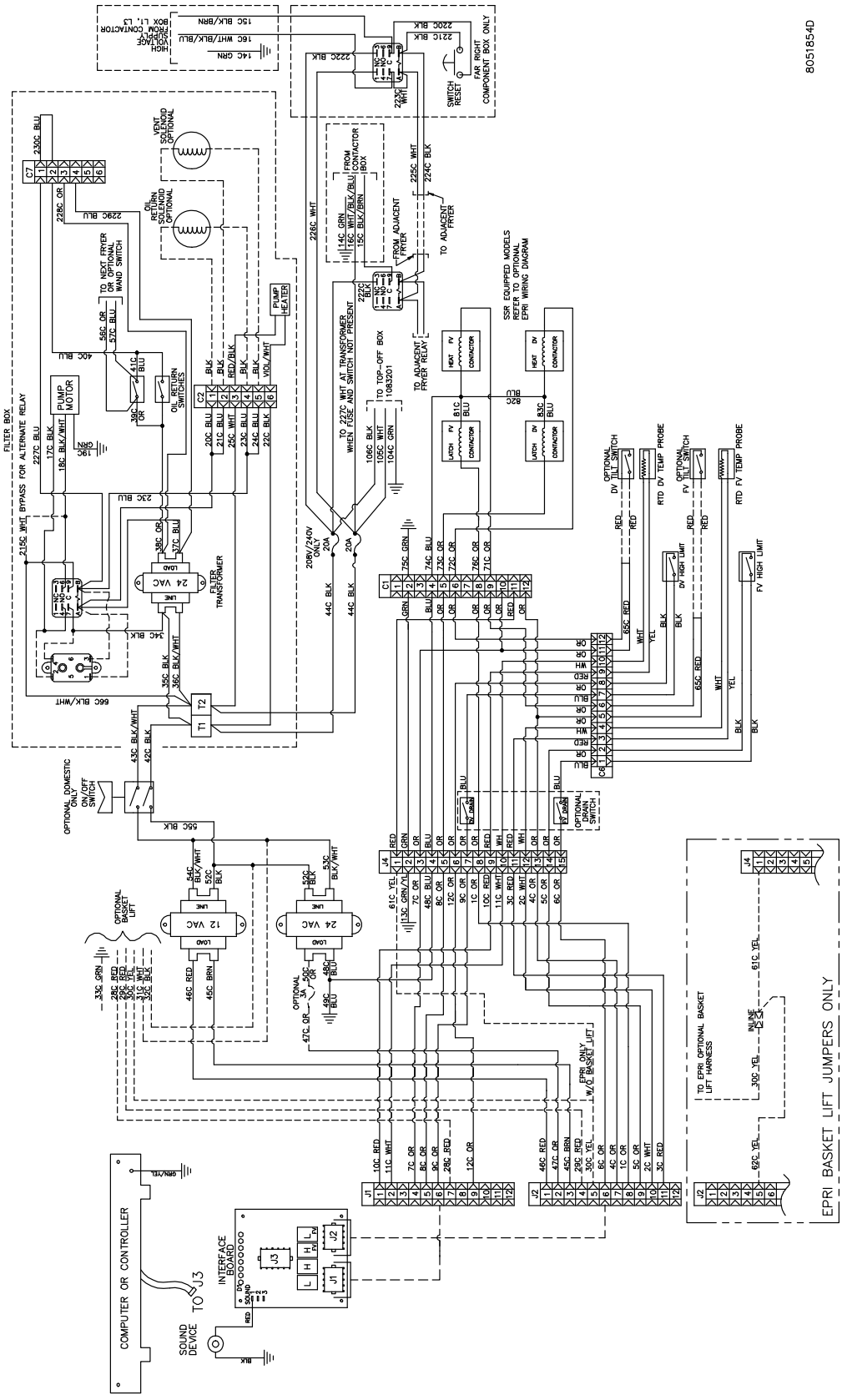
YUM FPEL17 SERIES ELECTRIC FRYERS
SECTION 1: WIRING DIAGRAMS

1.1 FPEL17 Series Simplified Wiring with K3000 Controller

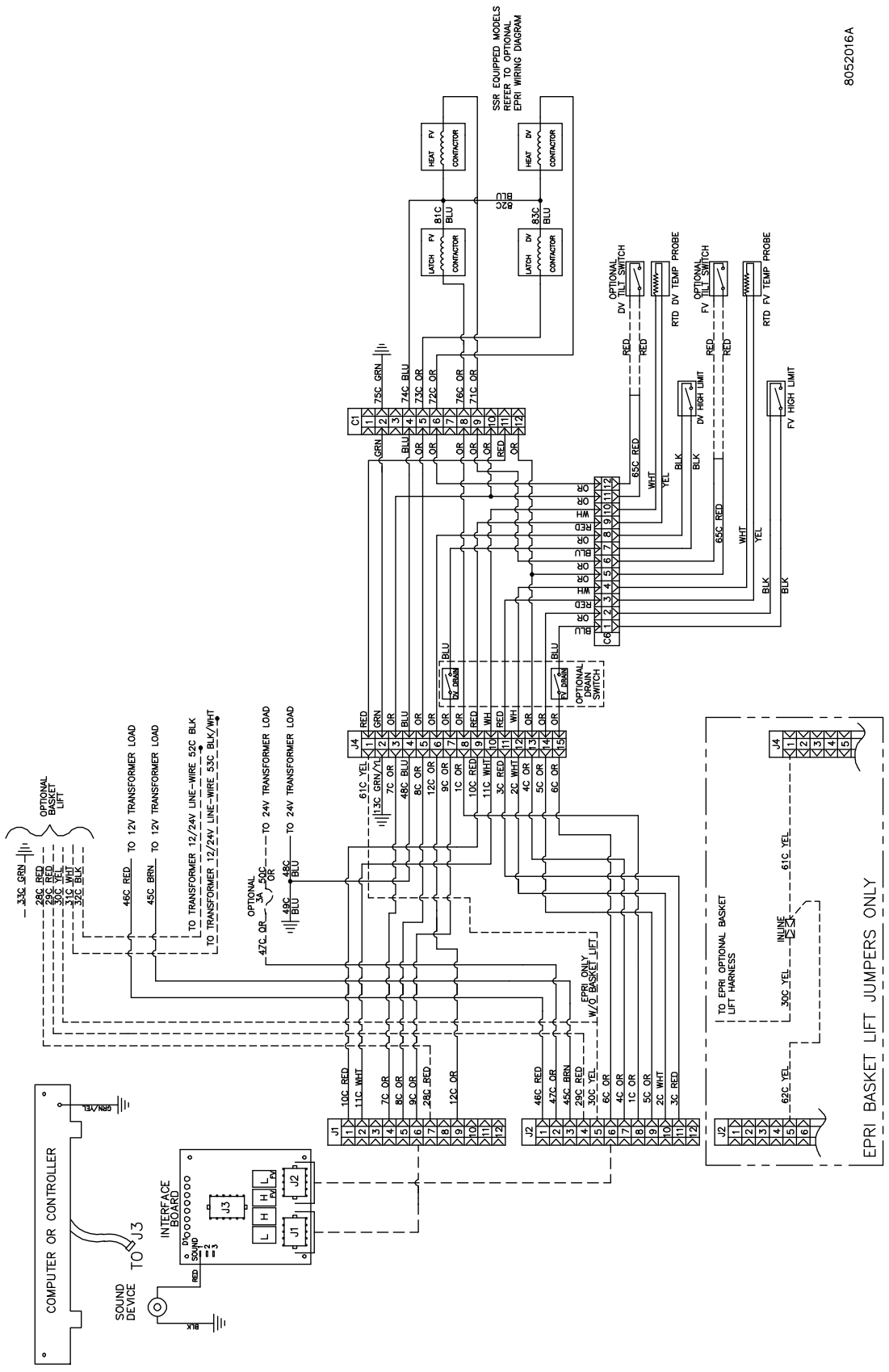


NOTE: If the fryer does not have the optional auto top off feature, an ATO board will not be present. The controllers will terminate on the far left and far right controllers.

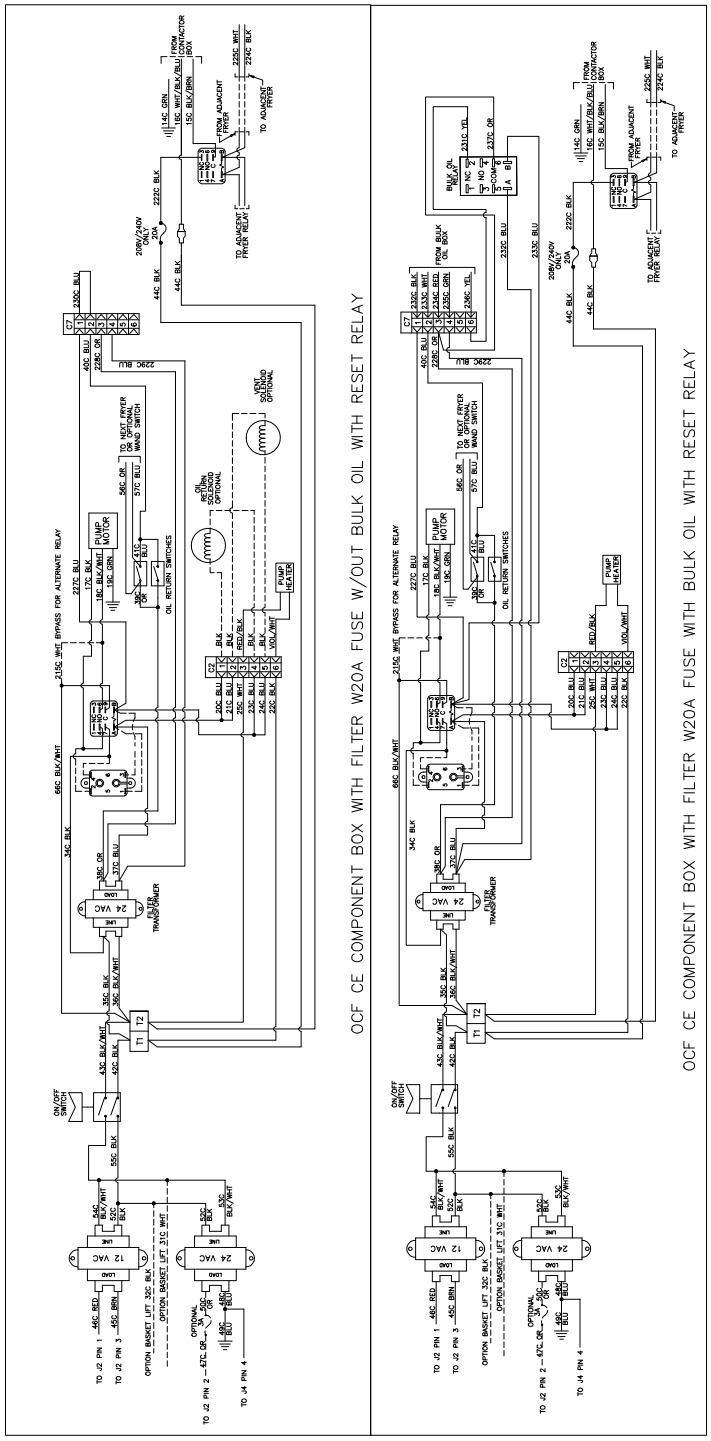
1.2 Component Wiring with K3000 Controller (Domestic and Export)



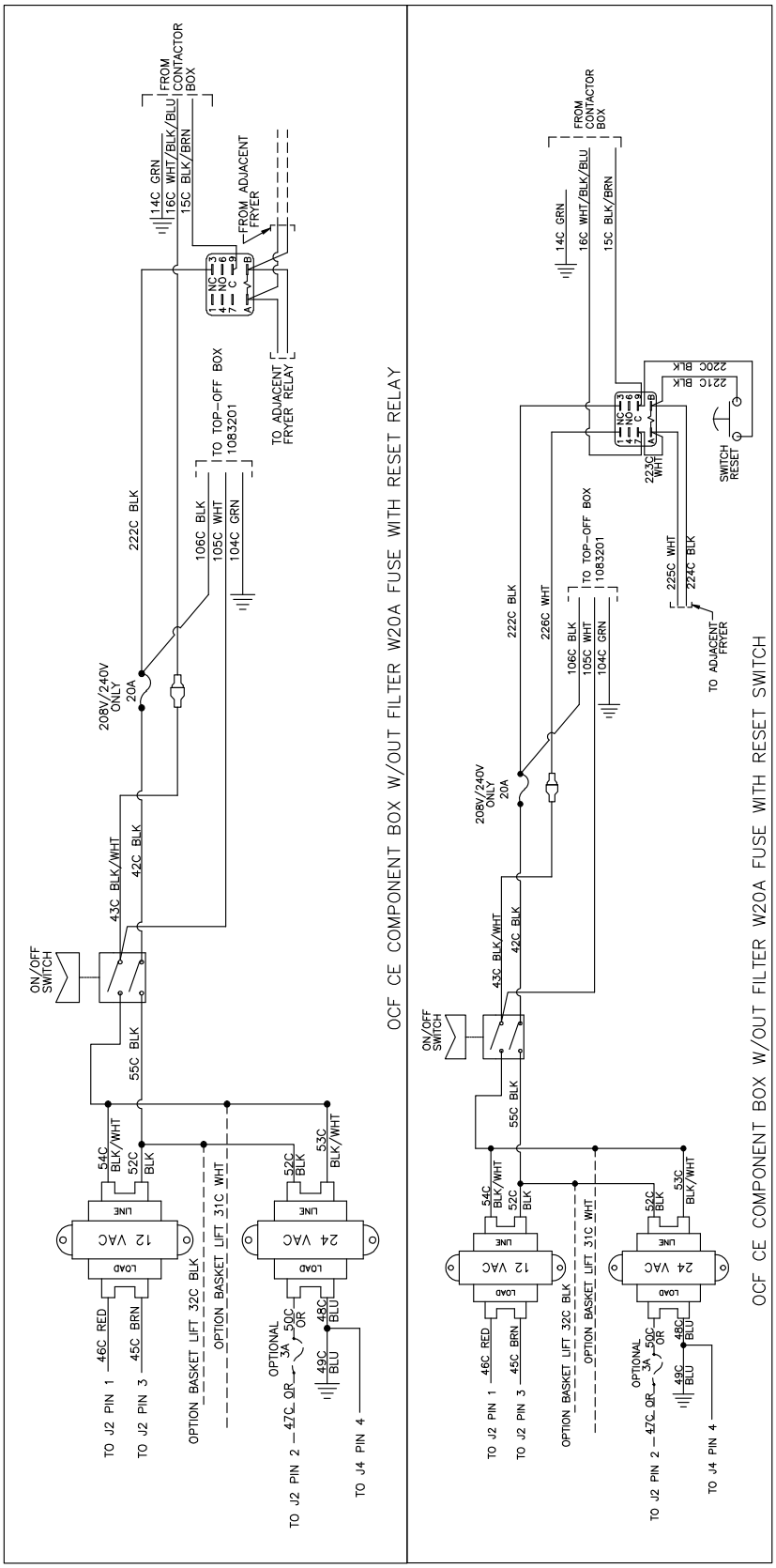
1.3 Component Wiring with K3000 controller (CE) page 1



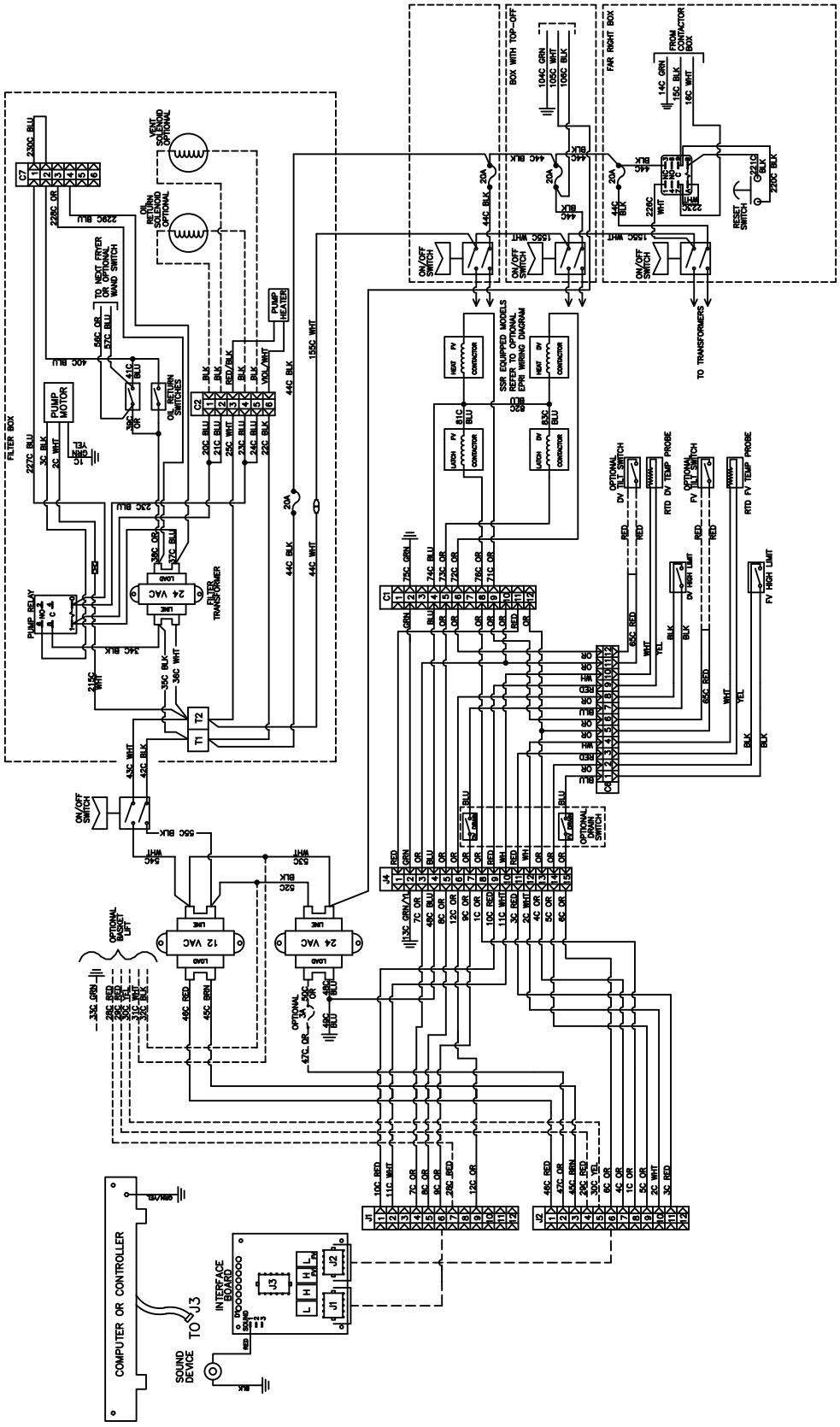
1.3 Component Wiring with K3000 controller (CE) page 2



1.3 Component Wiring with K3000 controller (CE) page 3

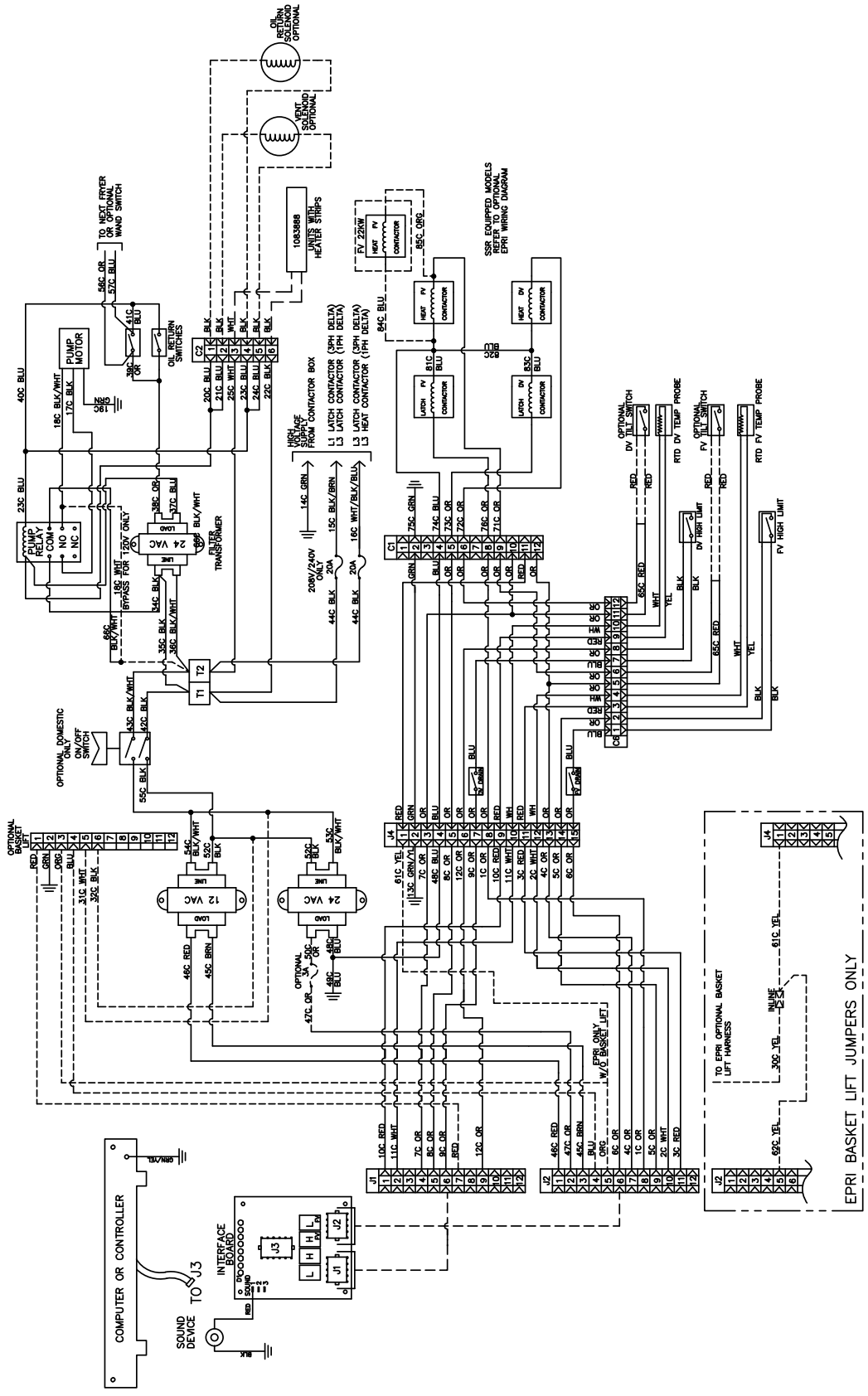


1.4 Component Wiring with K3000 Controller 120V/480V

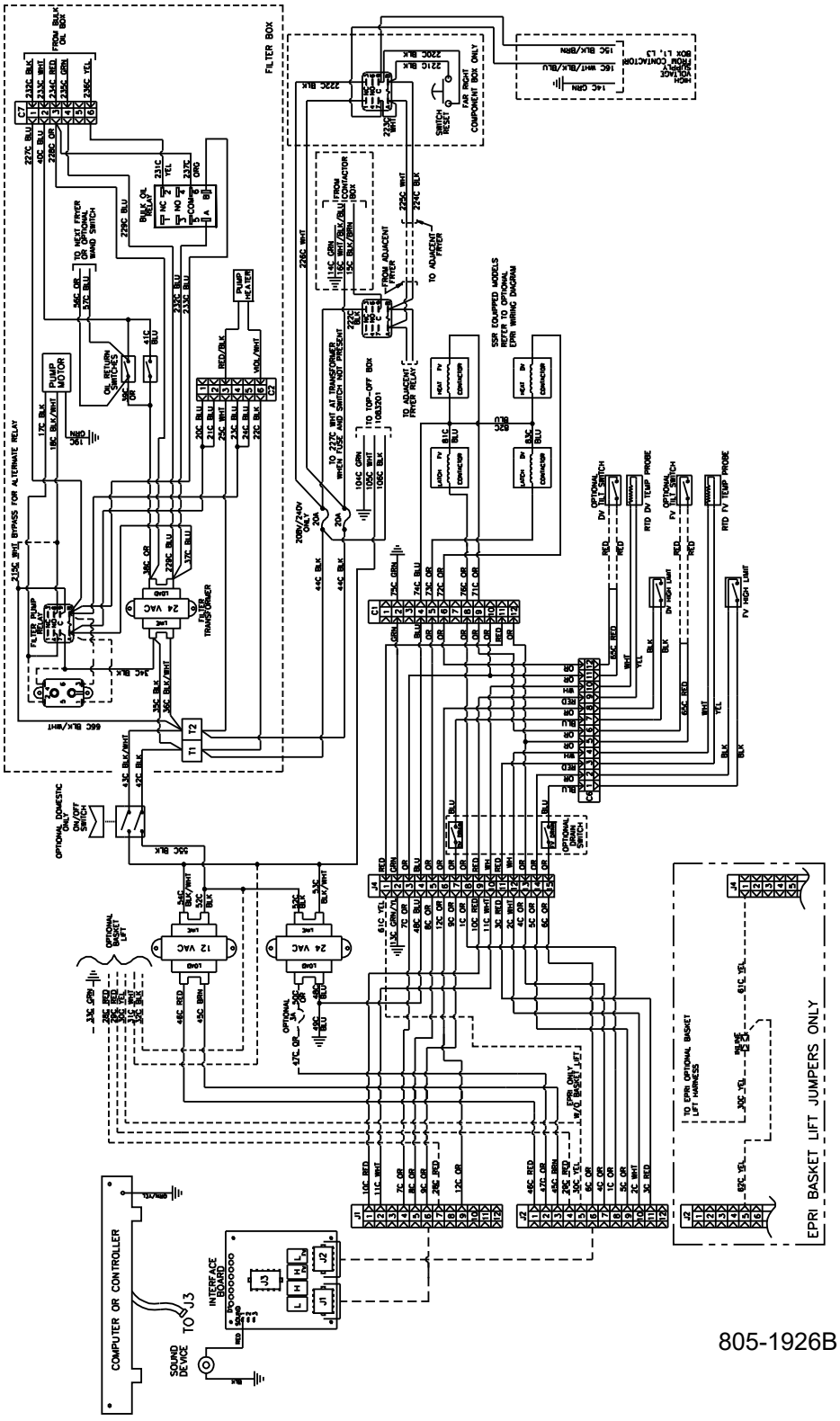


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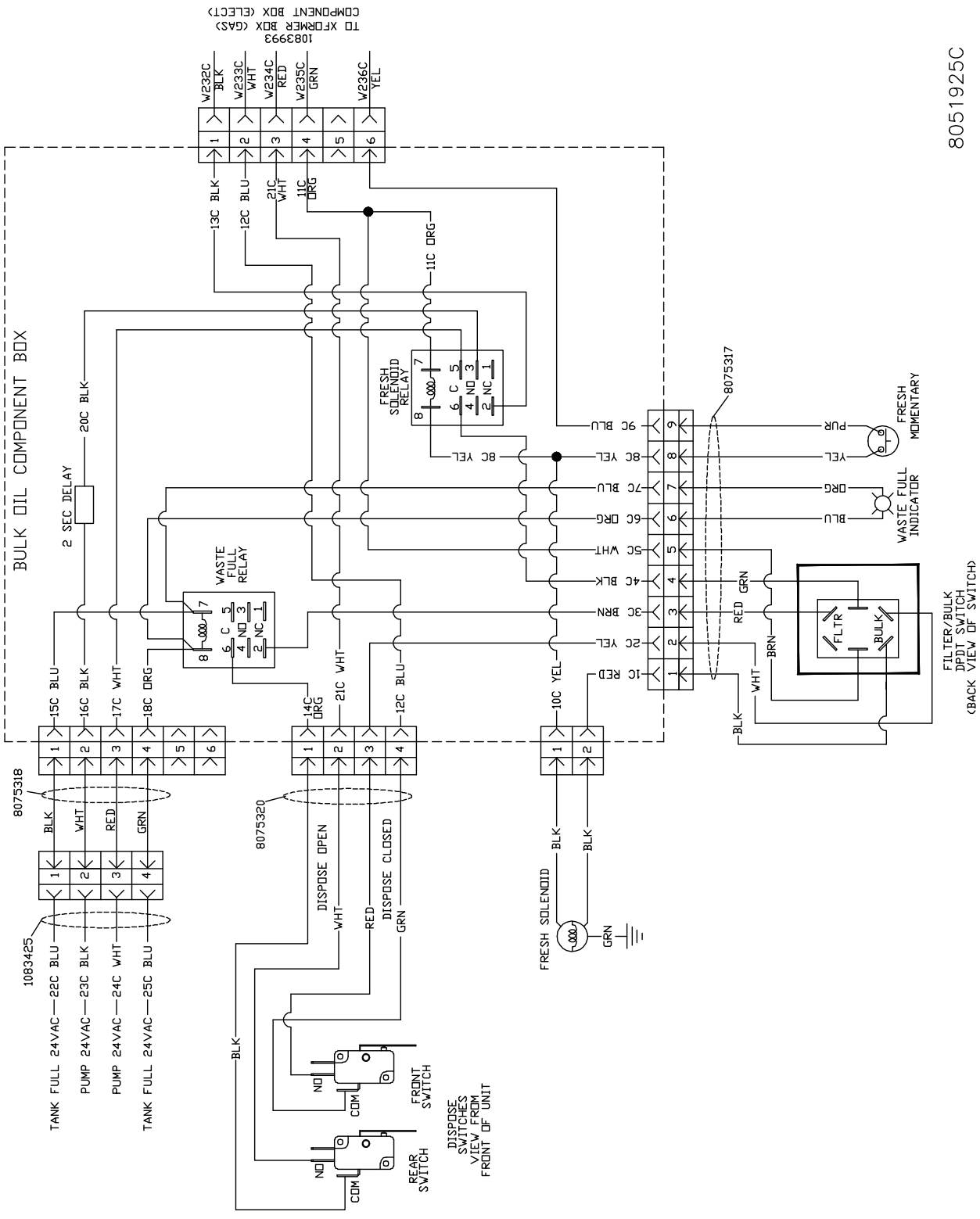
1.5 Component Wiring with FAST controller (Domestic and Export)



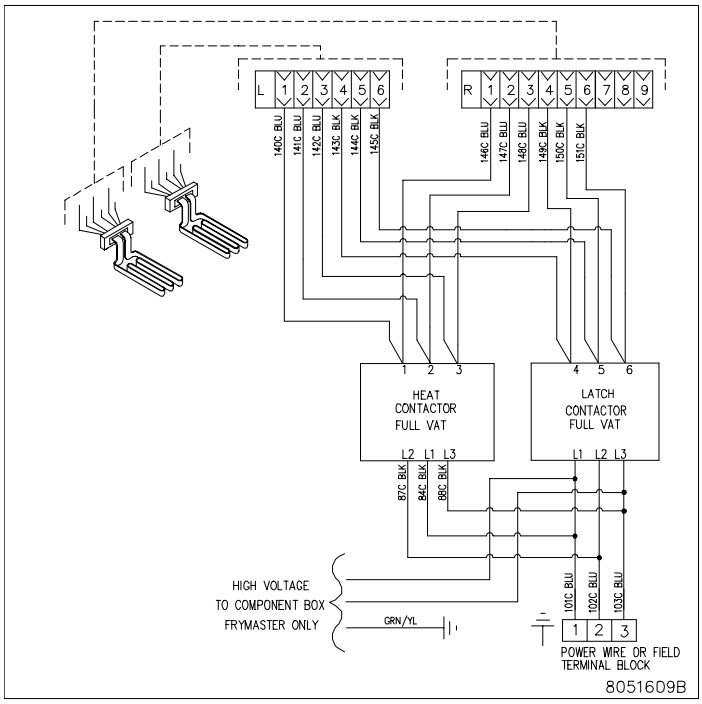
1.6 Component Wiring With Bulk Oil



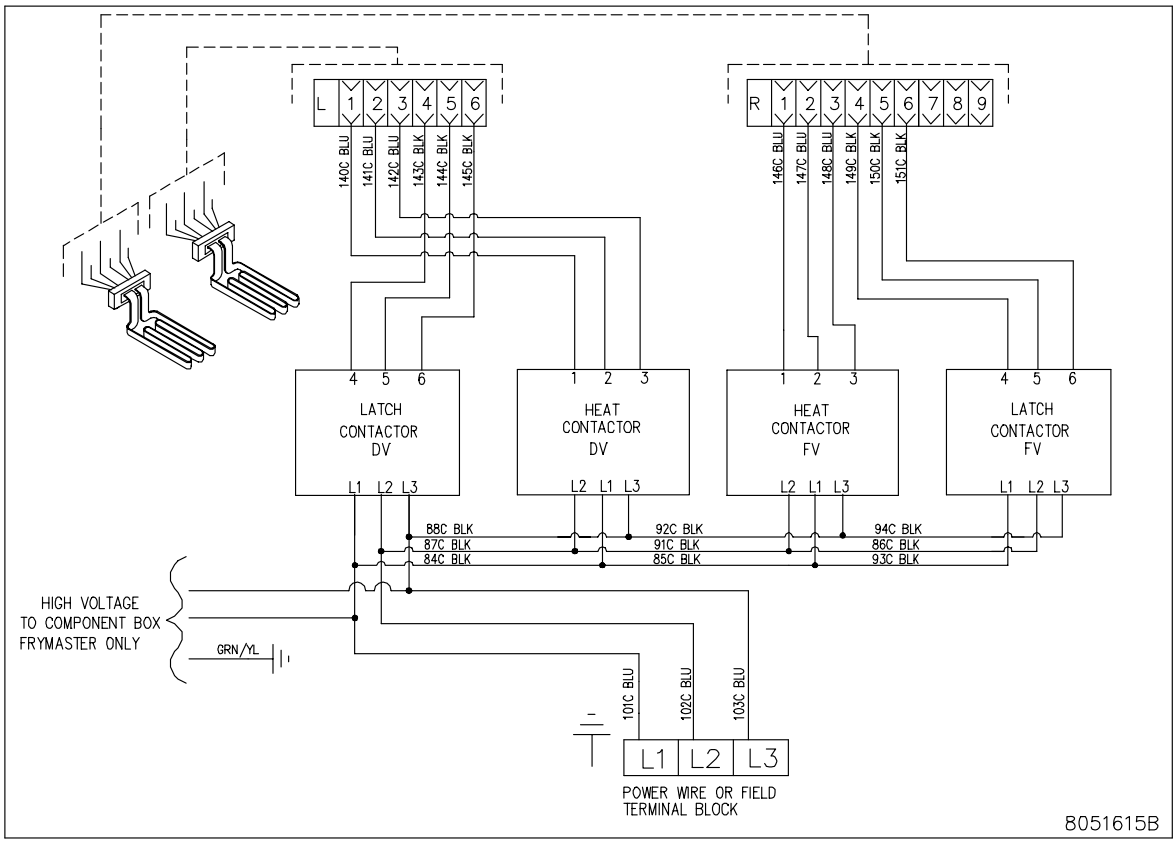
1.7 Bulk Oil Wiring Box



1.8 Contactor Box – Delta Configuration

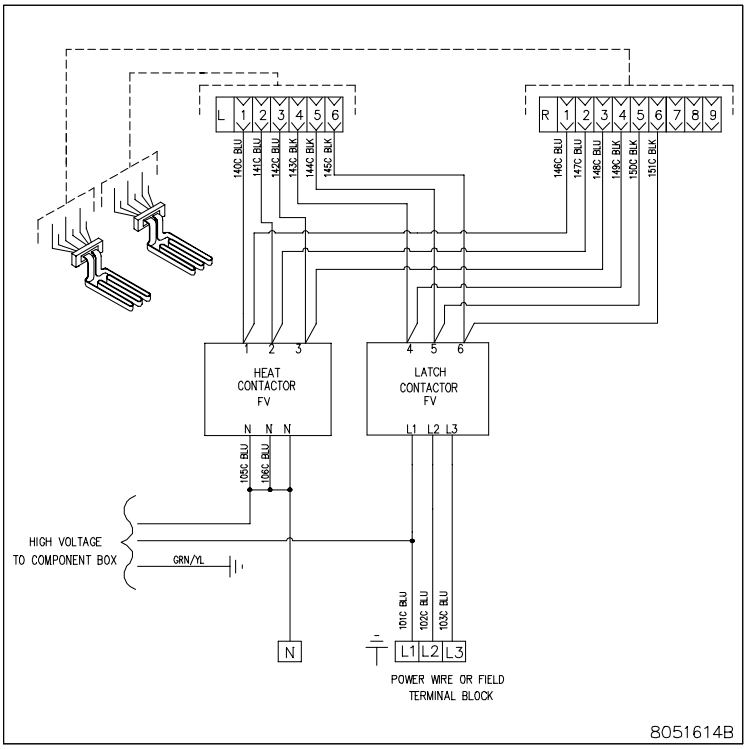


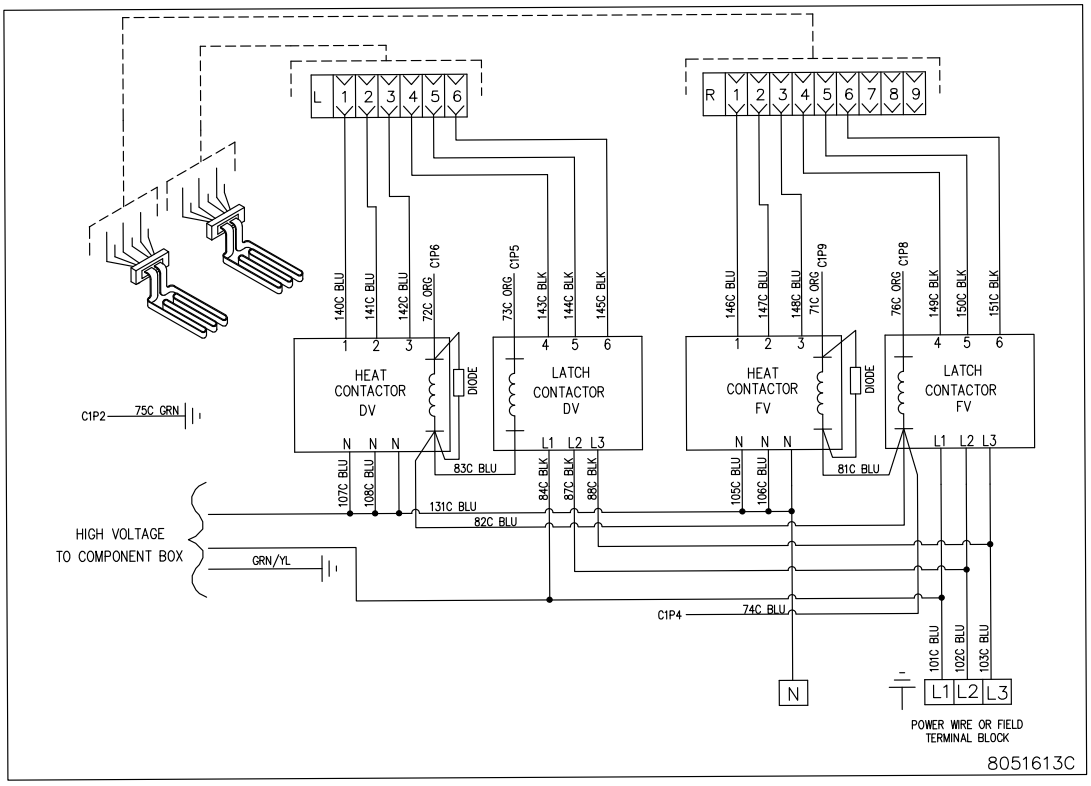
FULL VAT



DUAL VAT

1.9 Contactor Box – WYE Configuration

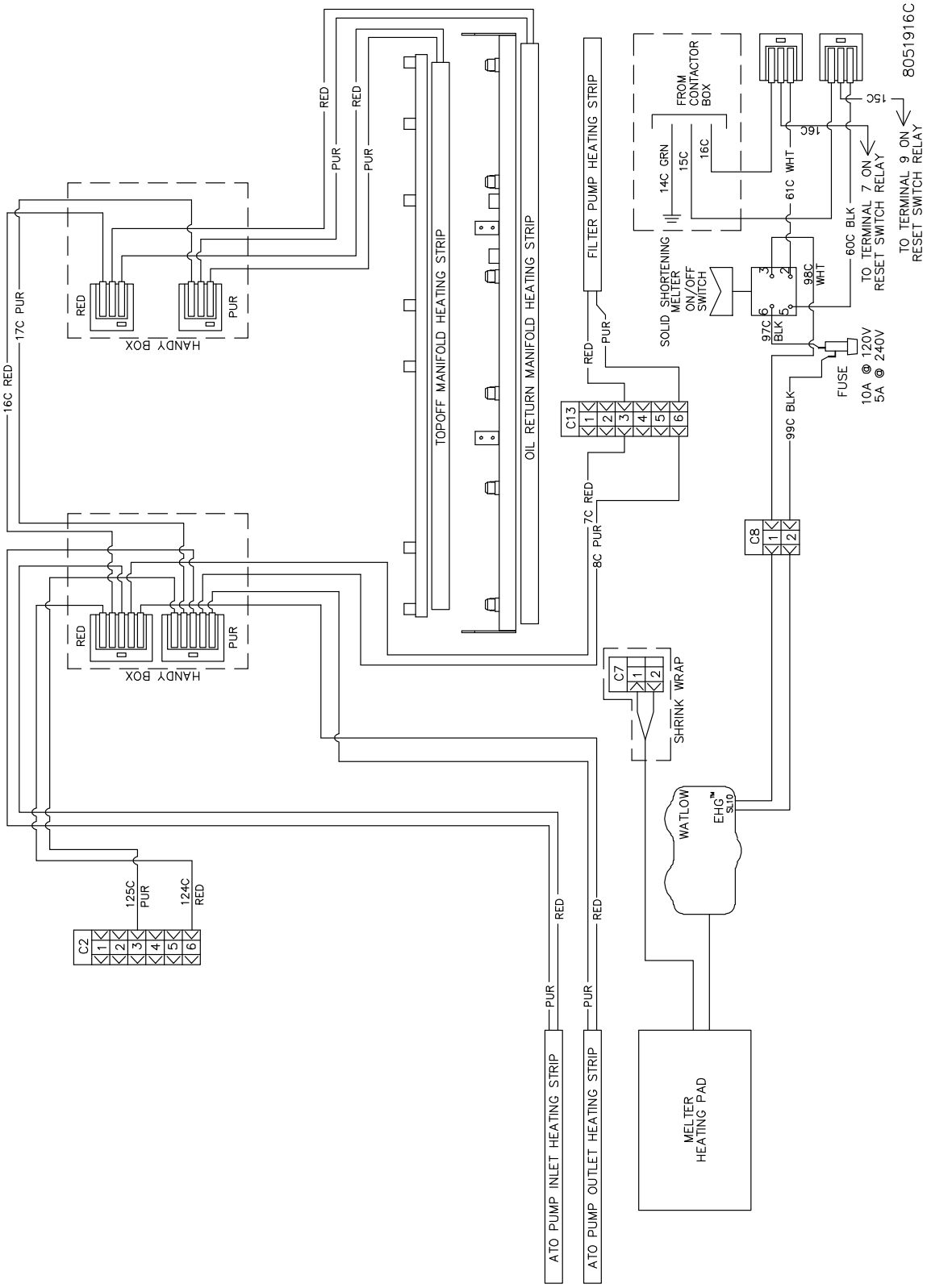




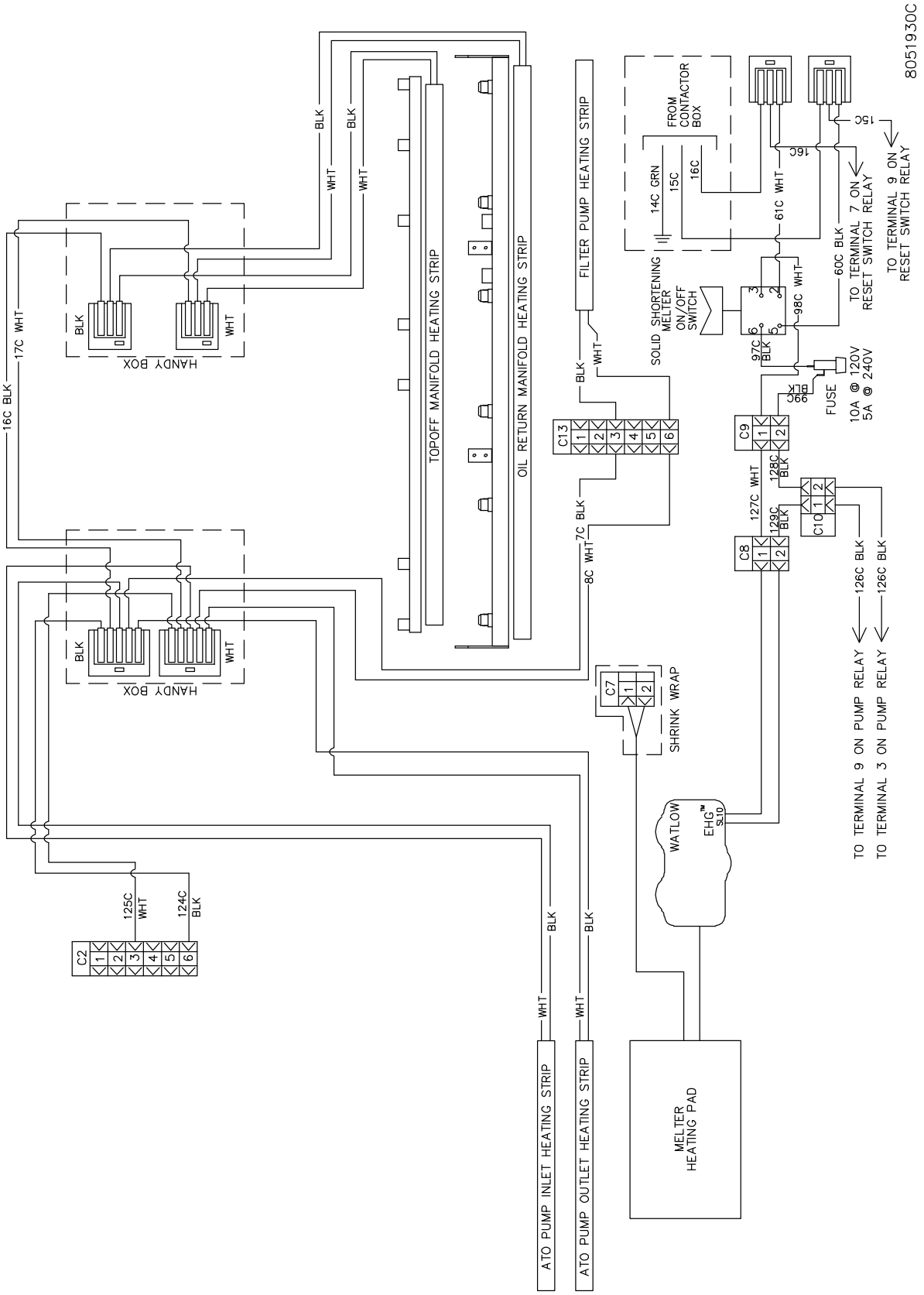
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1.10 Solid Shortening

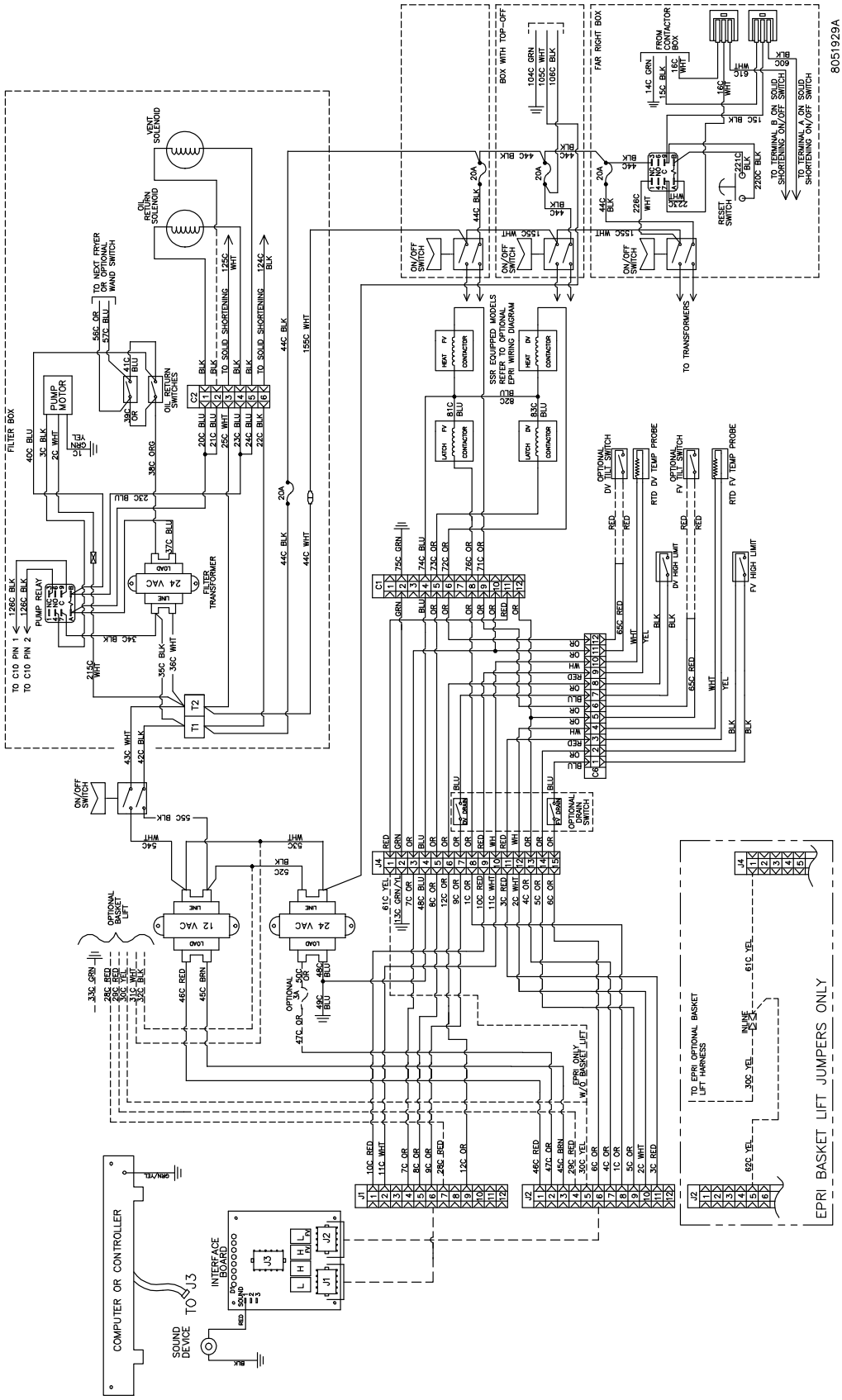
1.10.1 Solid Shortening Control Wiring 240V



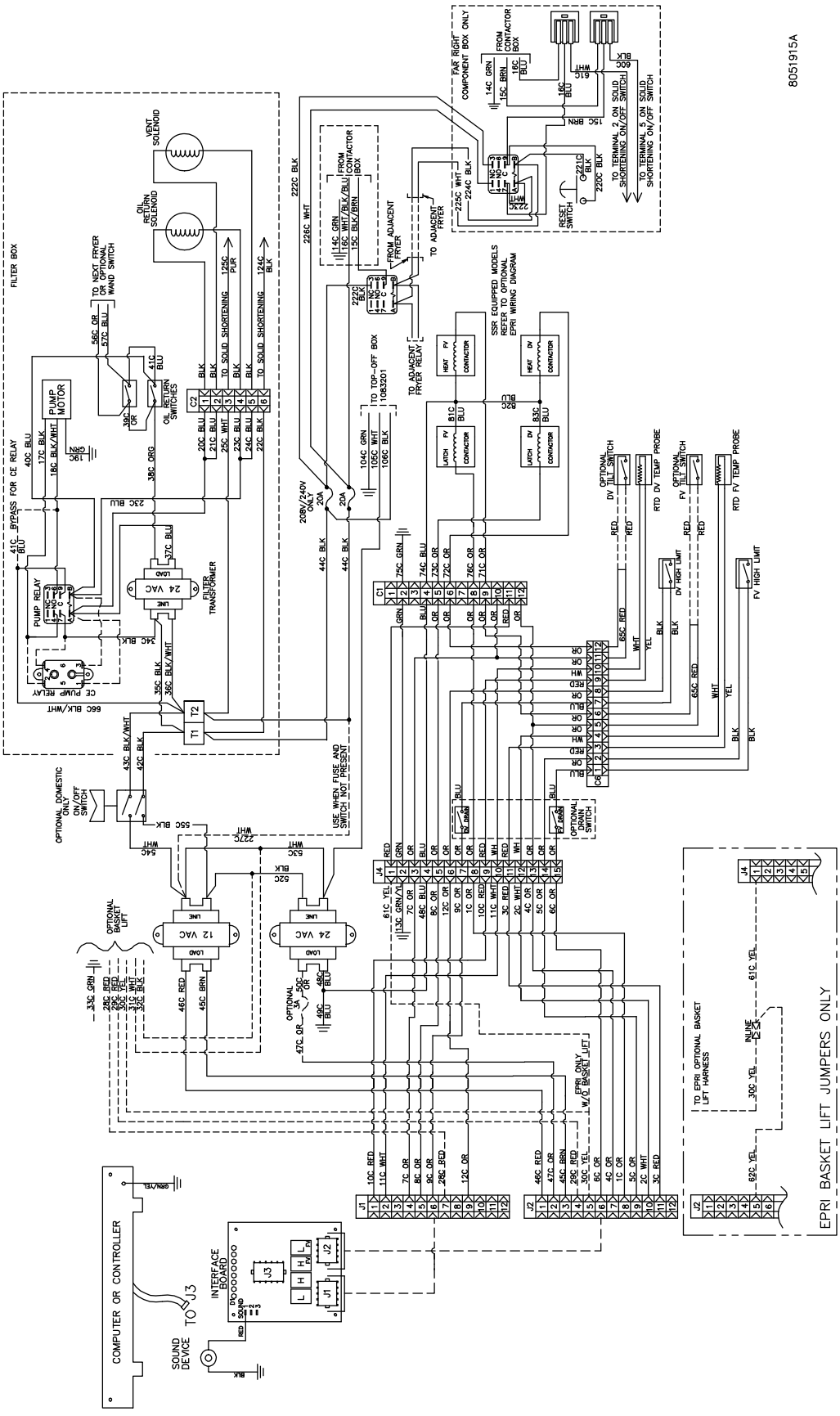
1.10.1.2 Solid Shortening Control Wiring 120V



1.10.2 Solid Shortening Component Wiring 120V/480V

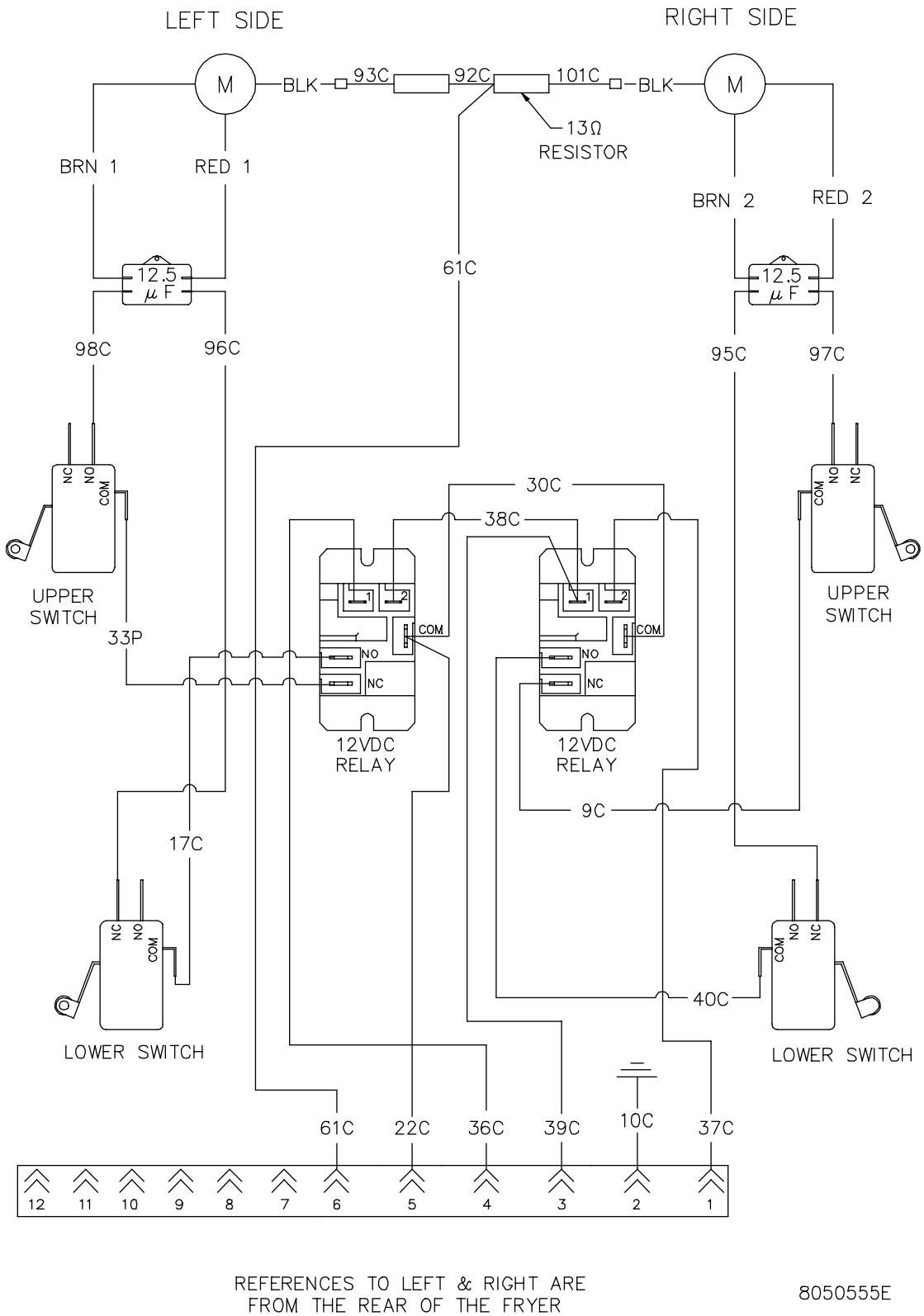


1.10.3 Solid Shortening Component Wiring 240V

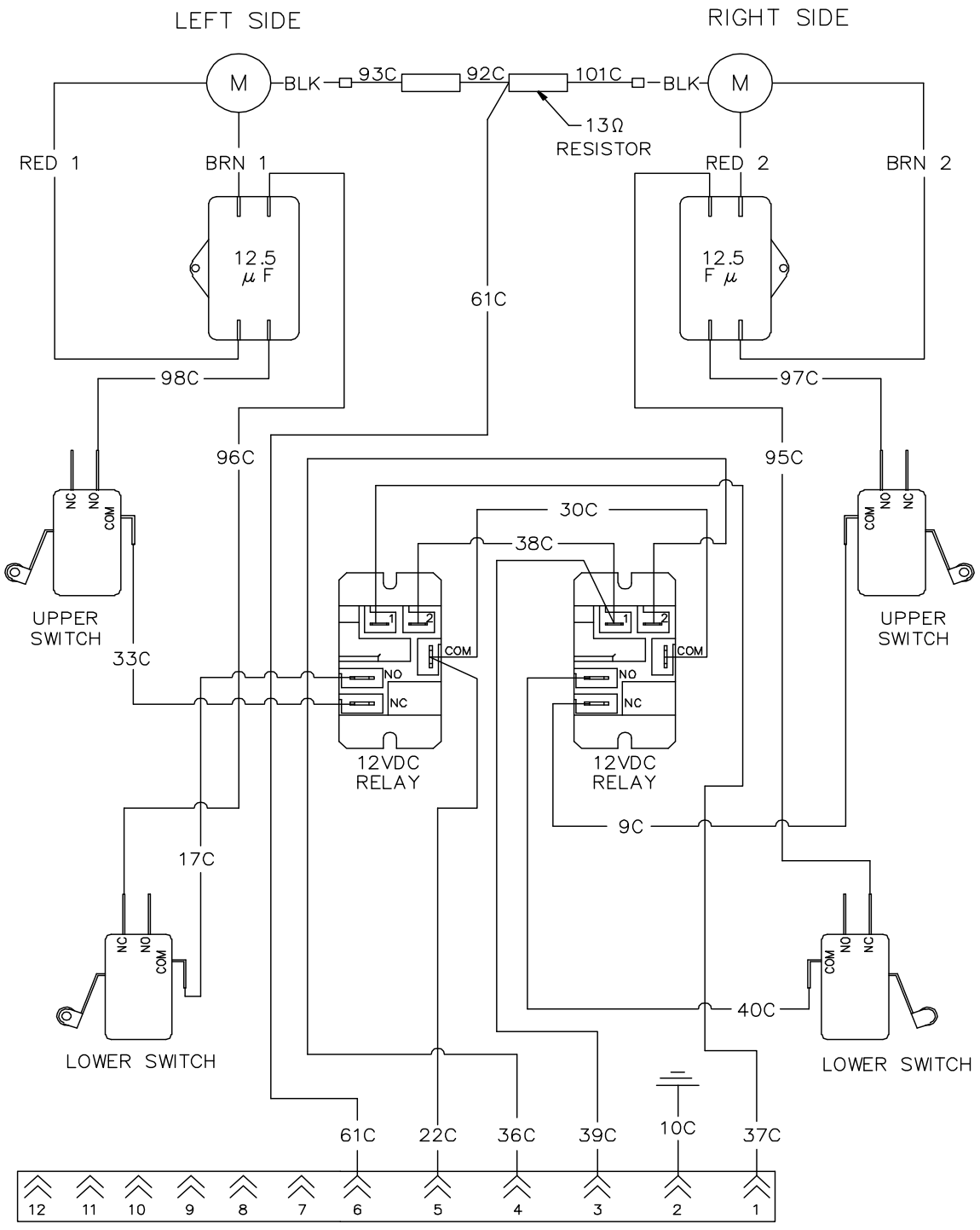


1.11 Wiring Diagrams

1.11.1 Modular Basket Lift Wiring Diagram 100-120V *(After June 2006)*



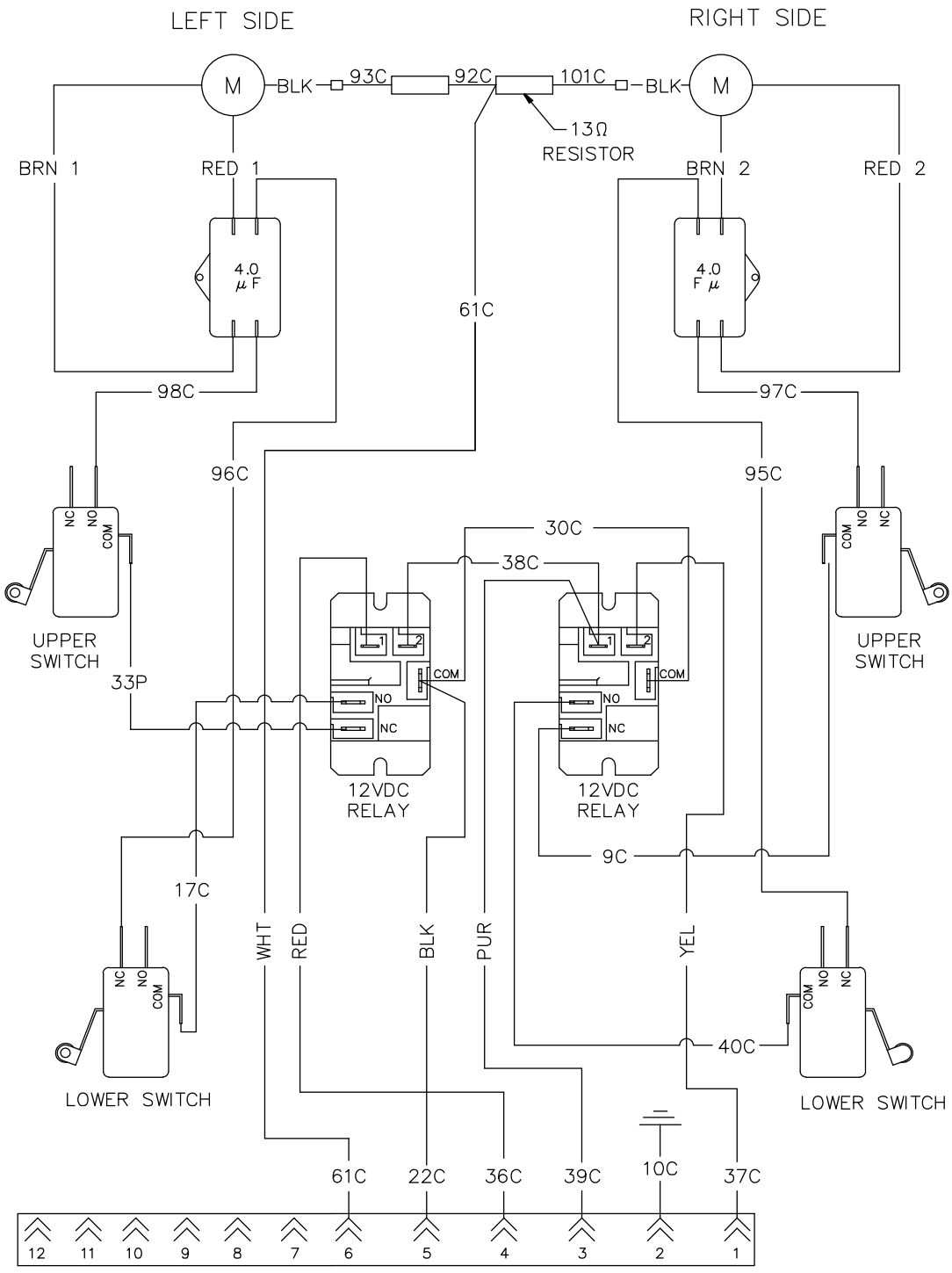
1.11.2 Modular Basket Lift Wiring Diagram 480V *(After Jan. 2013)*



REFERENCES TO LEFT & RIGHT ARE
FROM THE REAR OF THE FRYER

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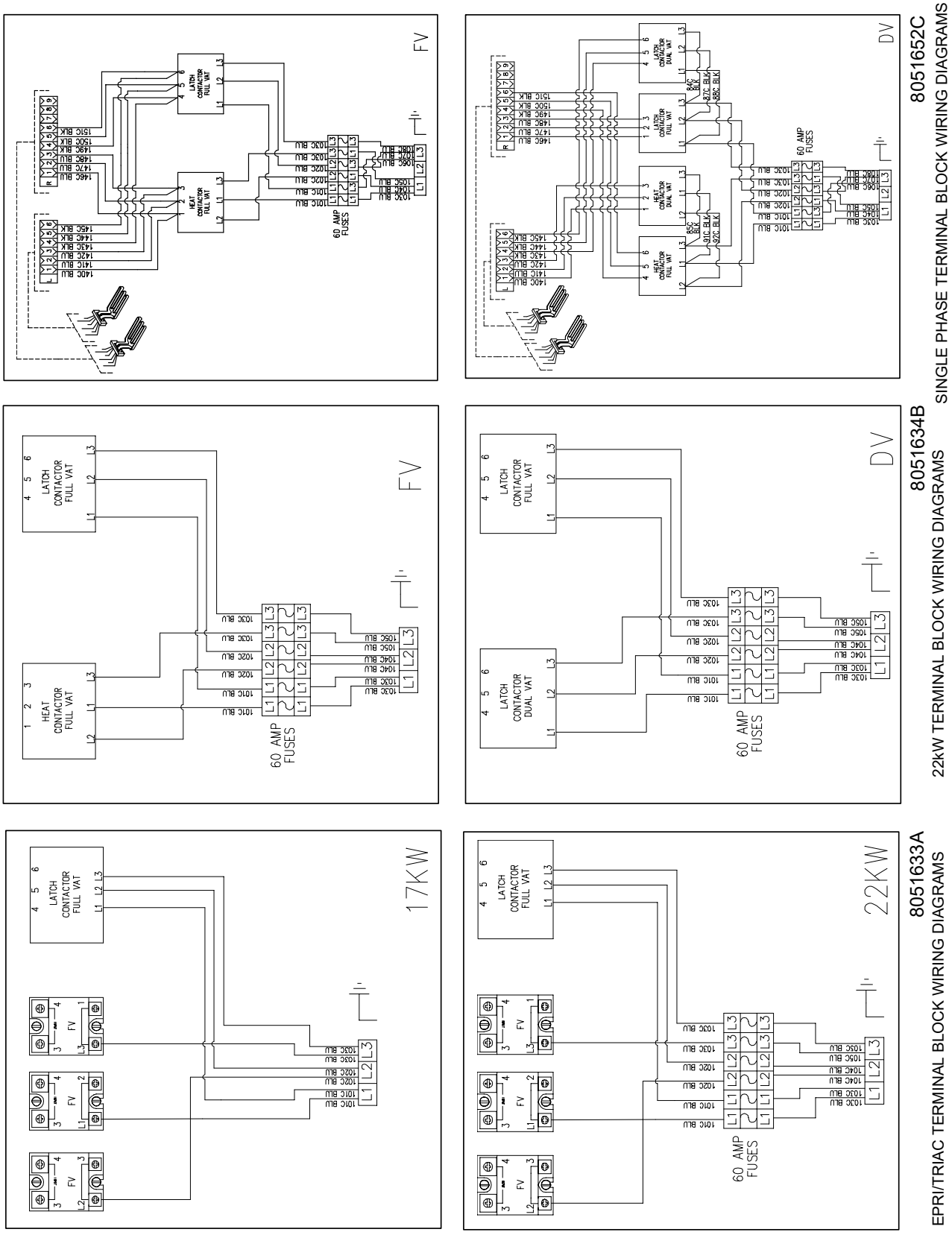
1.11.3 Modular Basket Lift Wiring Diagram 200V-250V *(After Feb. 2013)*



REFERENCES TO LEFT & RIGHT ARE
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8051964B

1.12 Terminal Block Wiring



8051652C
SINGLE PHASE TERMINAL BLOCK WIRING DIAGRAMS

8051634B
22kW TERMINAL BLOCK WIRING DIAGRAMS

8051633A
EPRI/TRIAC TERMINAL BLOCK WIRING DIAGRAMS

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