



WIRING DIAGRAMS

R-410A ZE/XN SERIES 3 - 6 TON 60 Hertz



Description

YORK® ZE/XN Series units are convertible single package high efficiency rooftops with a common roof curb for the 3, 4, 5, and 6 Ton sizes. Although the units are primarily designed for curb mounting on a roof, they can also be slab-mounted at ground level or set on steel beams above a finished roof.

All ZE/XN Series units are self-contained and assembled on rigid full perimeter base rails allowing for overhead rigging. Every unit is completely charged, wired, piped and tested at the factory to provide a quick and easy field installation.

All models (including those with an economizer) are convertible between bottom and horizontal duct connections.

ZE Series units are available in the following configurations: cooling only, cooling with electric heat, and cooling with one or two stage gas heat. Electric heaters are available as factory-installed option or field installed accessory.

XN Series units are available in the following configurations: cooling and heating only and cooling and heating with electric heat.

Tested in accordance with:



List of Diagrams

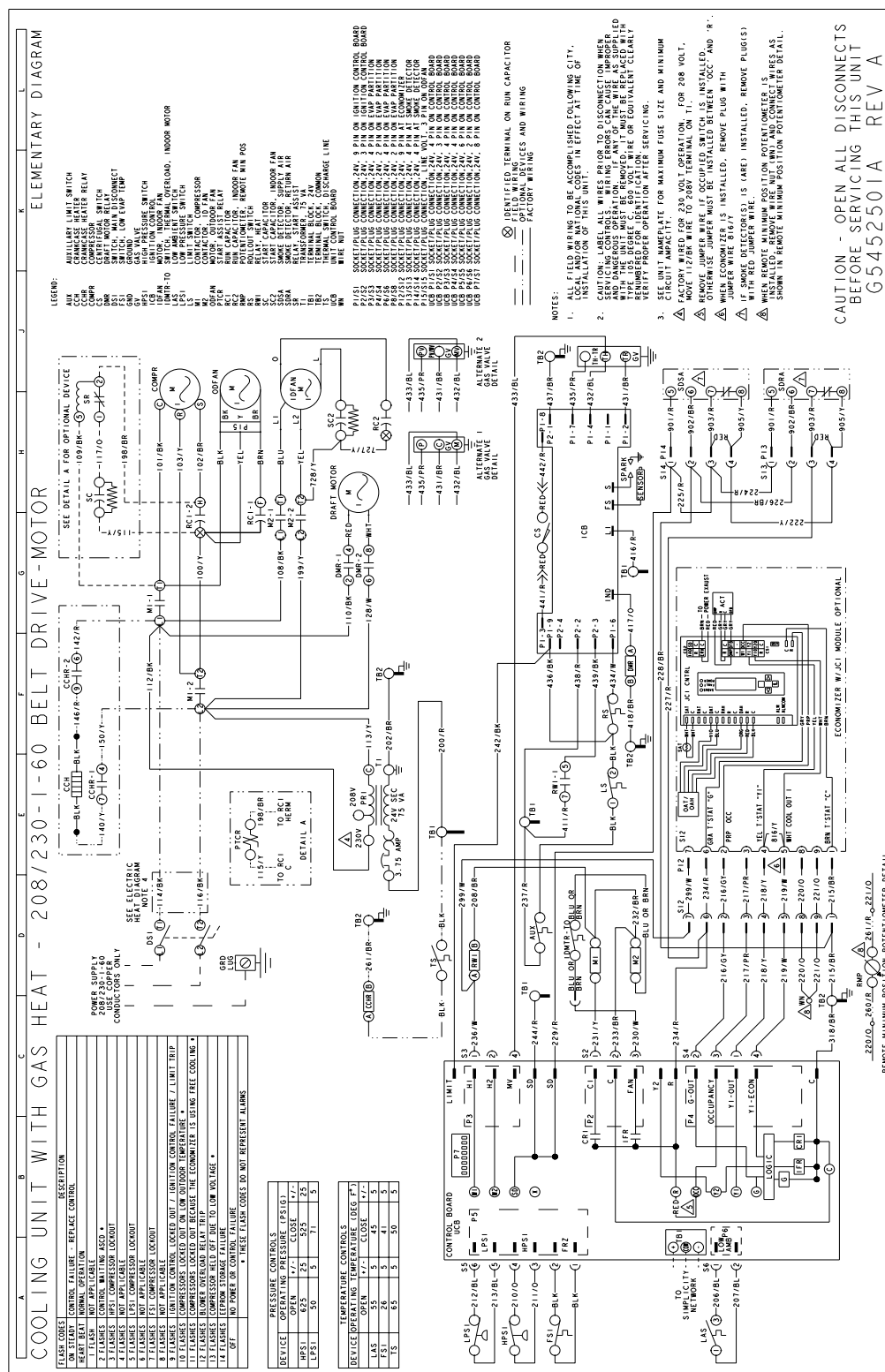
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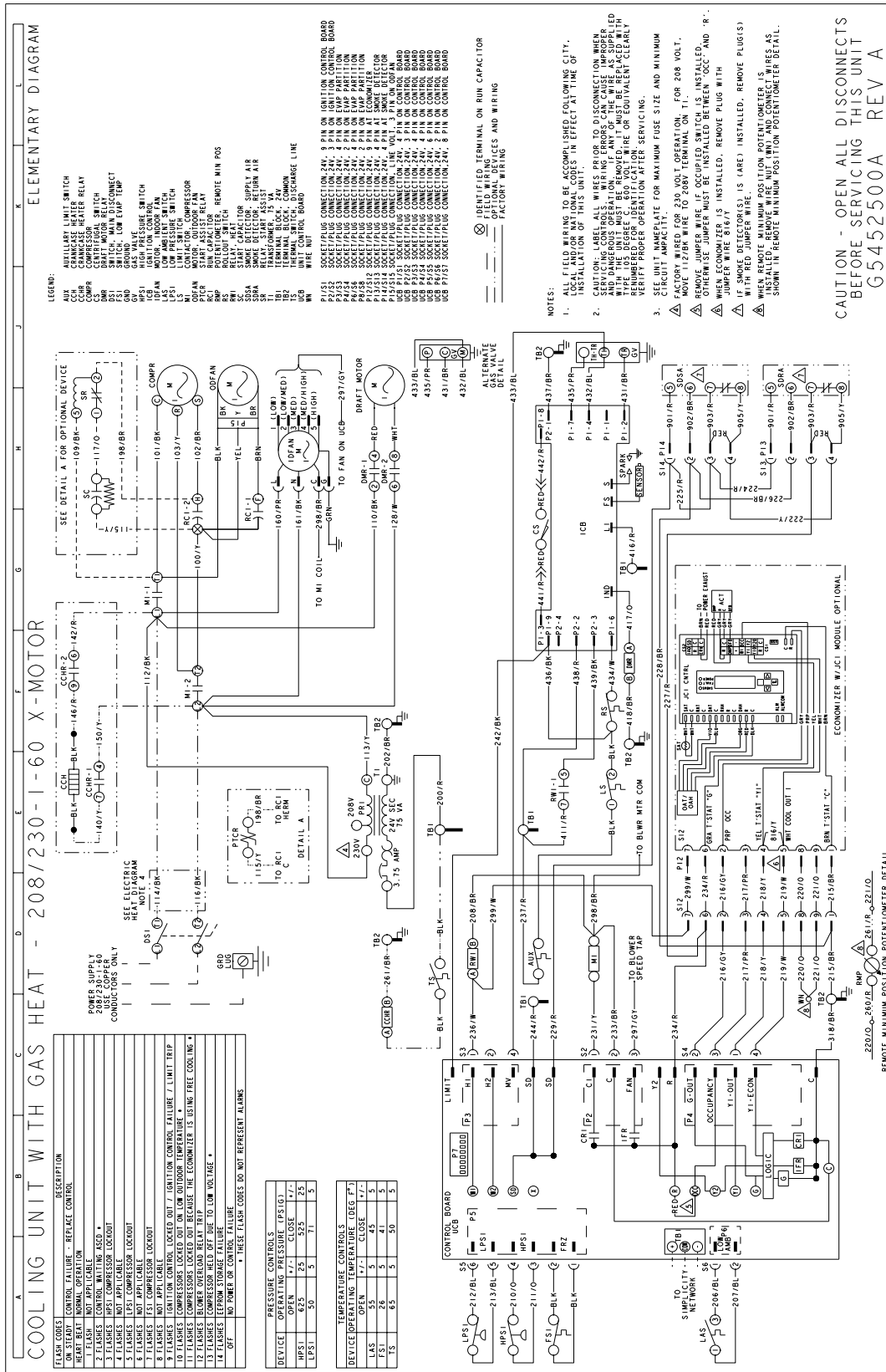
Typical Wiring Diagrams

Simplicity® Lite Control Board

Typical ZE036-048 Belt Drive Single Stage Gas 208/230-1-60 Diagram

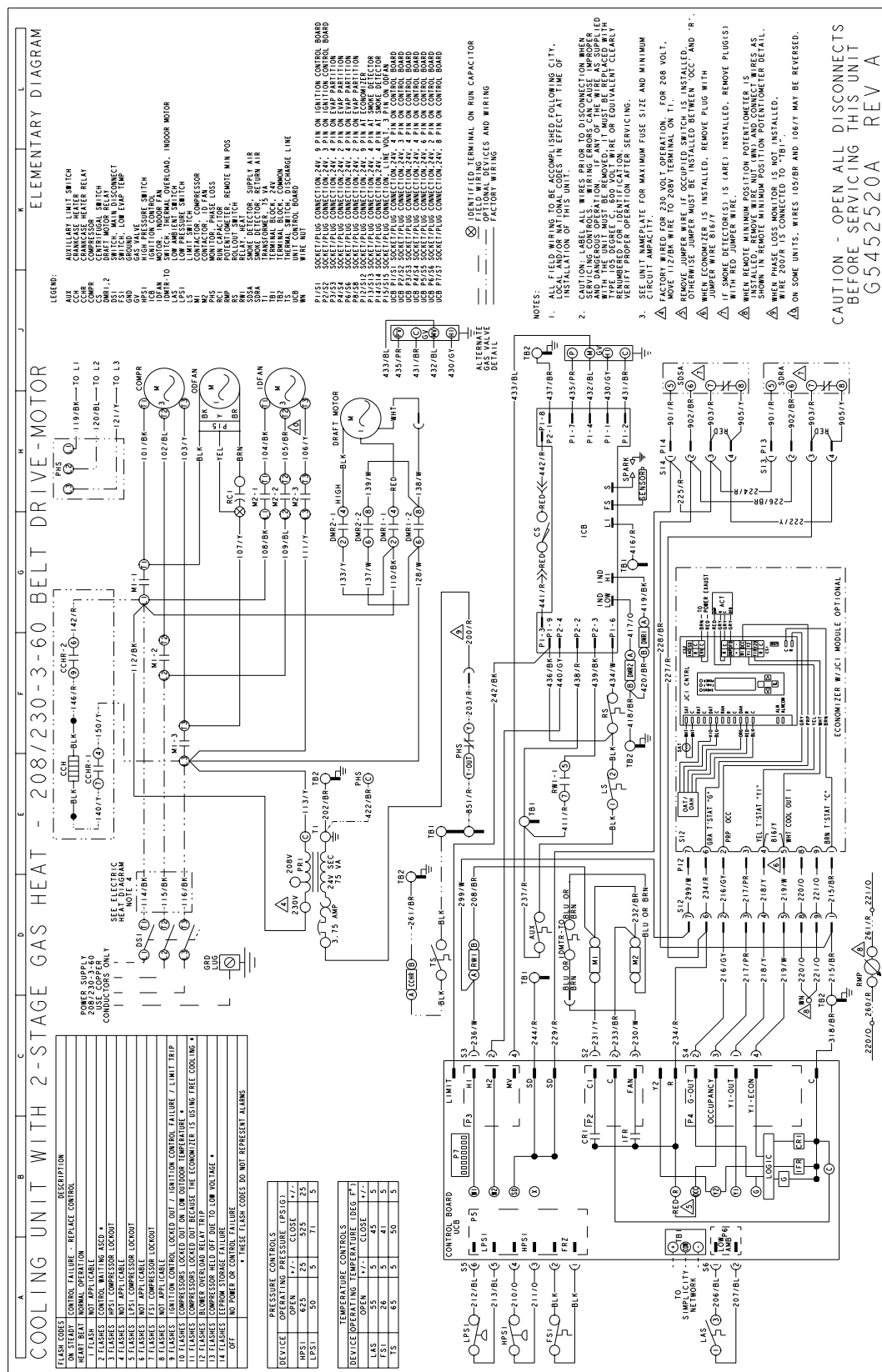


Typical ZE036-048 Direct Drive Single Stage Gas 208/230-1-60 Diagram

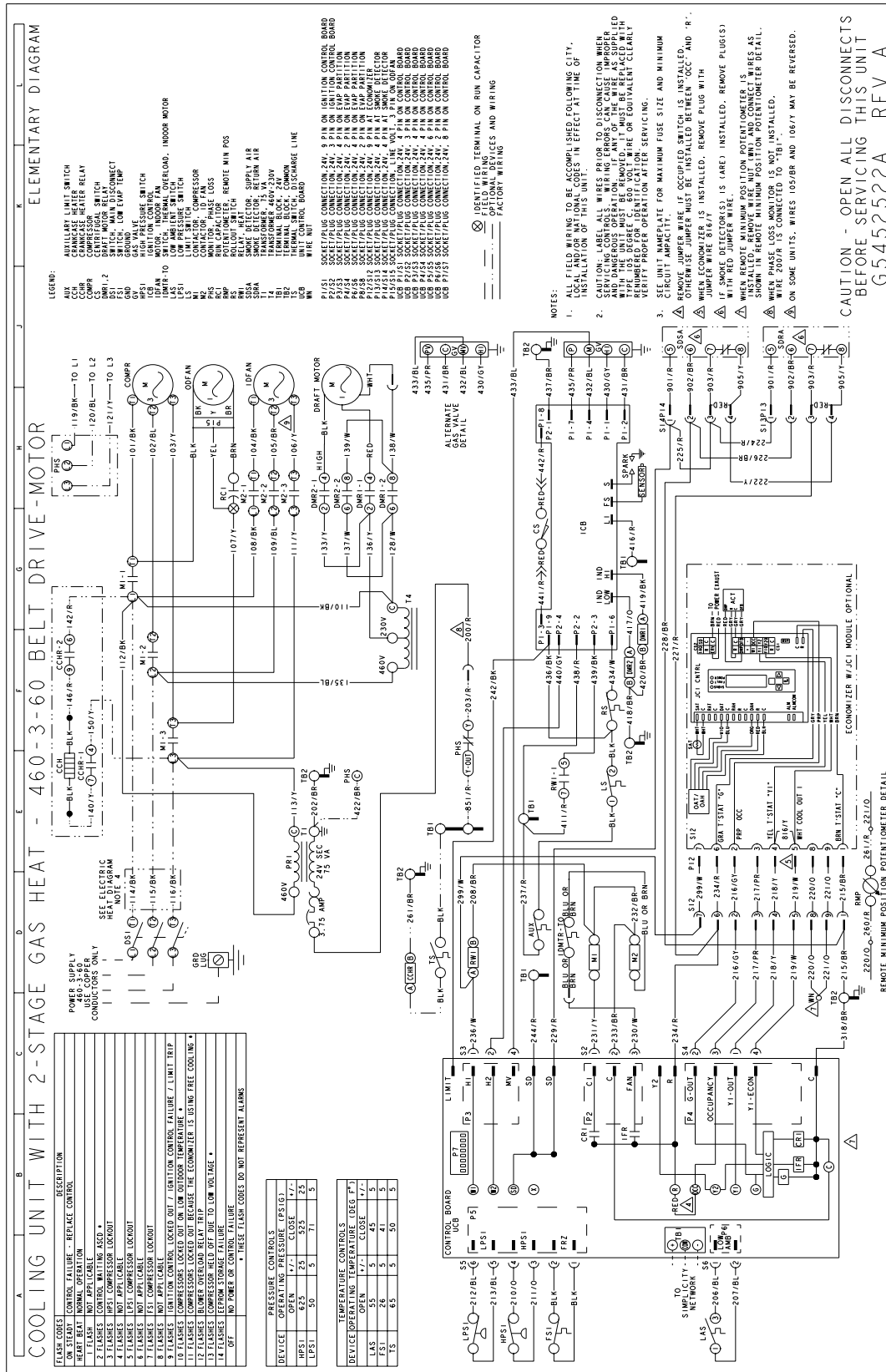


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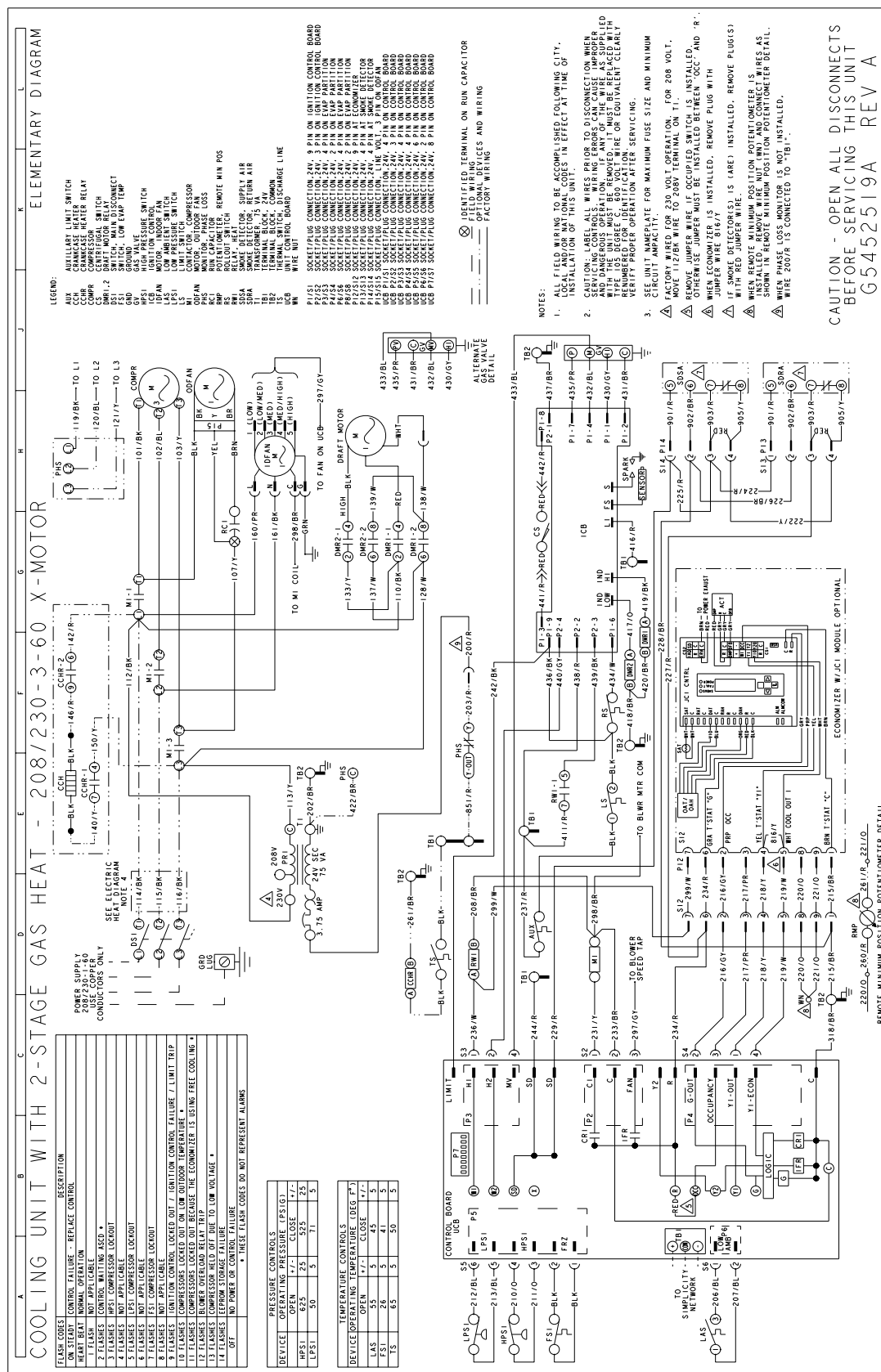
Johnson Controls Ducted Systems



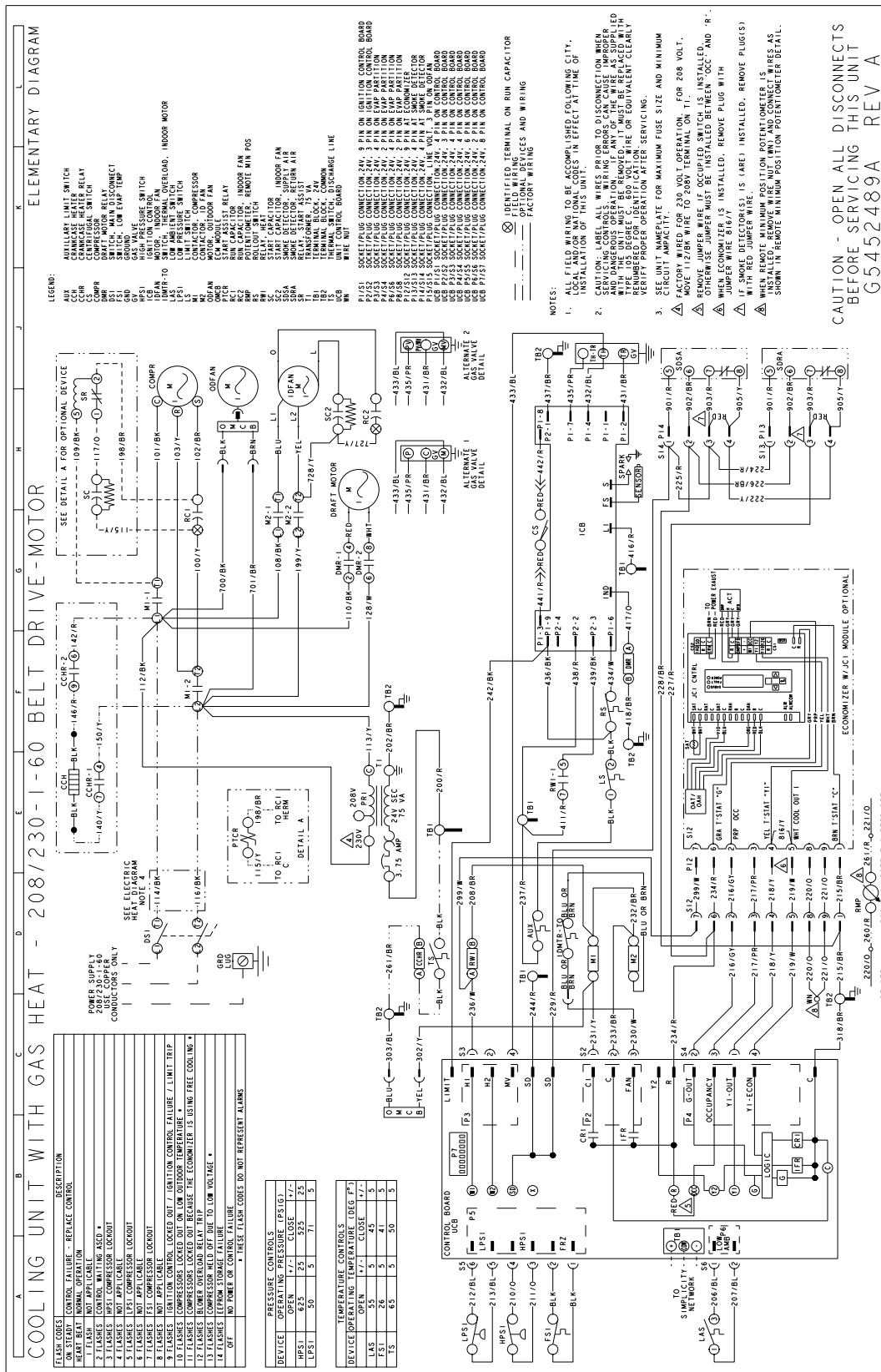
Typical ZE036-048 Belt Drive Two Stage Gas 460-3-60 Diagram



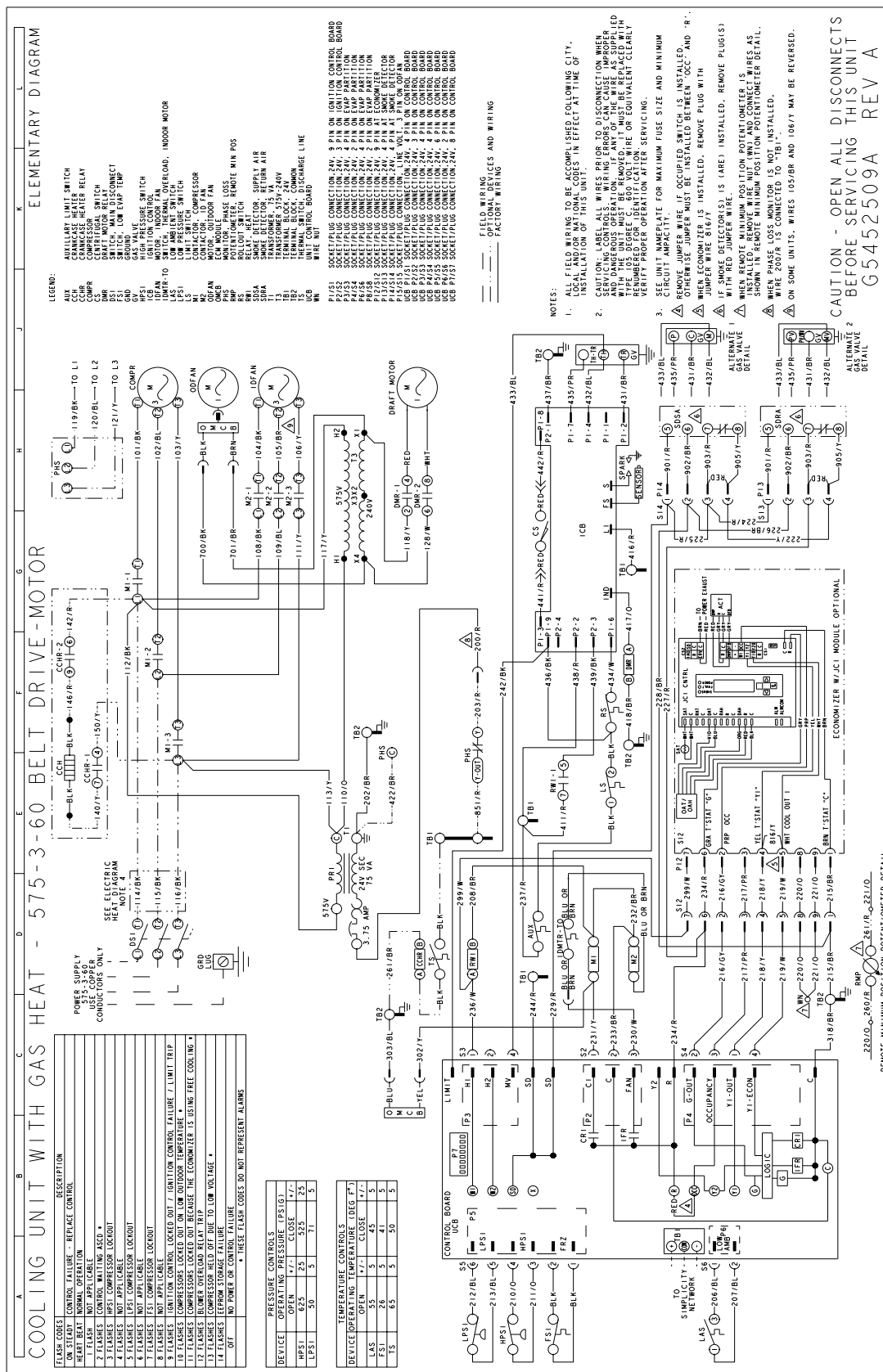
Johnson Controls Ducted Systems



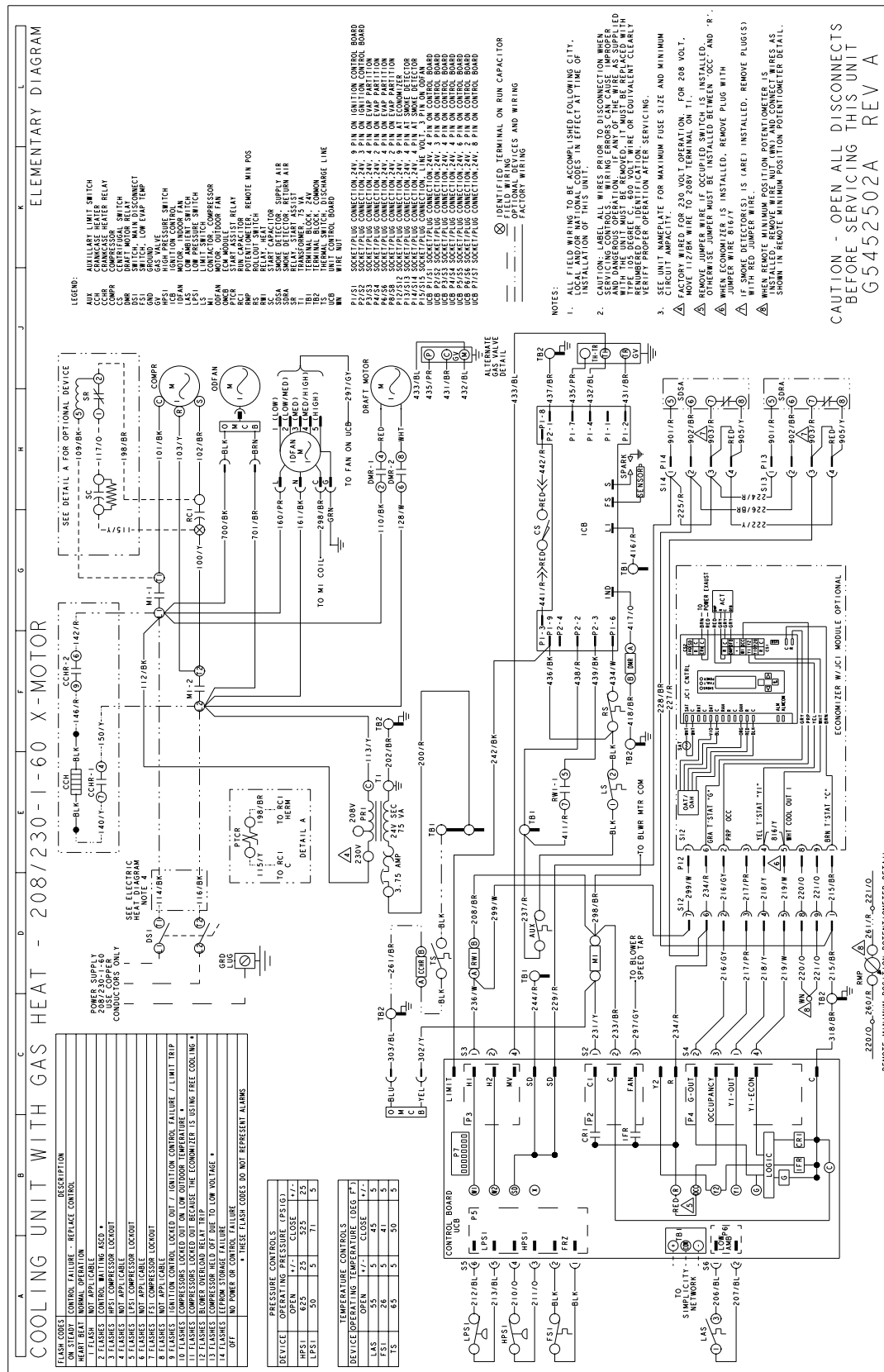
Typical ZE060 Belt Drive Single Stage Gas 208/230-1-60 Diagram



Johnson Controls Ducted Systems

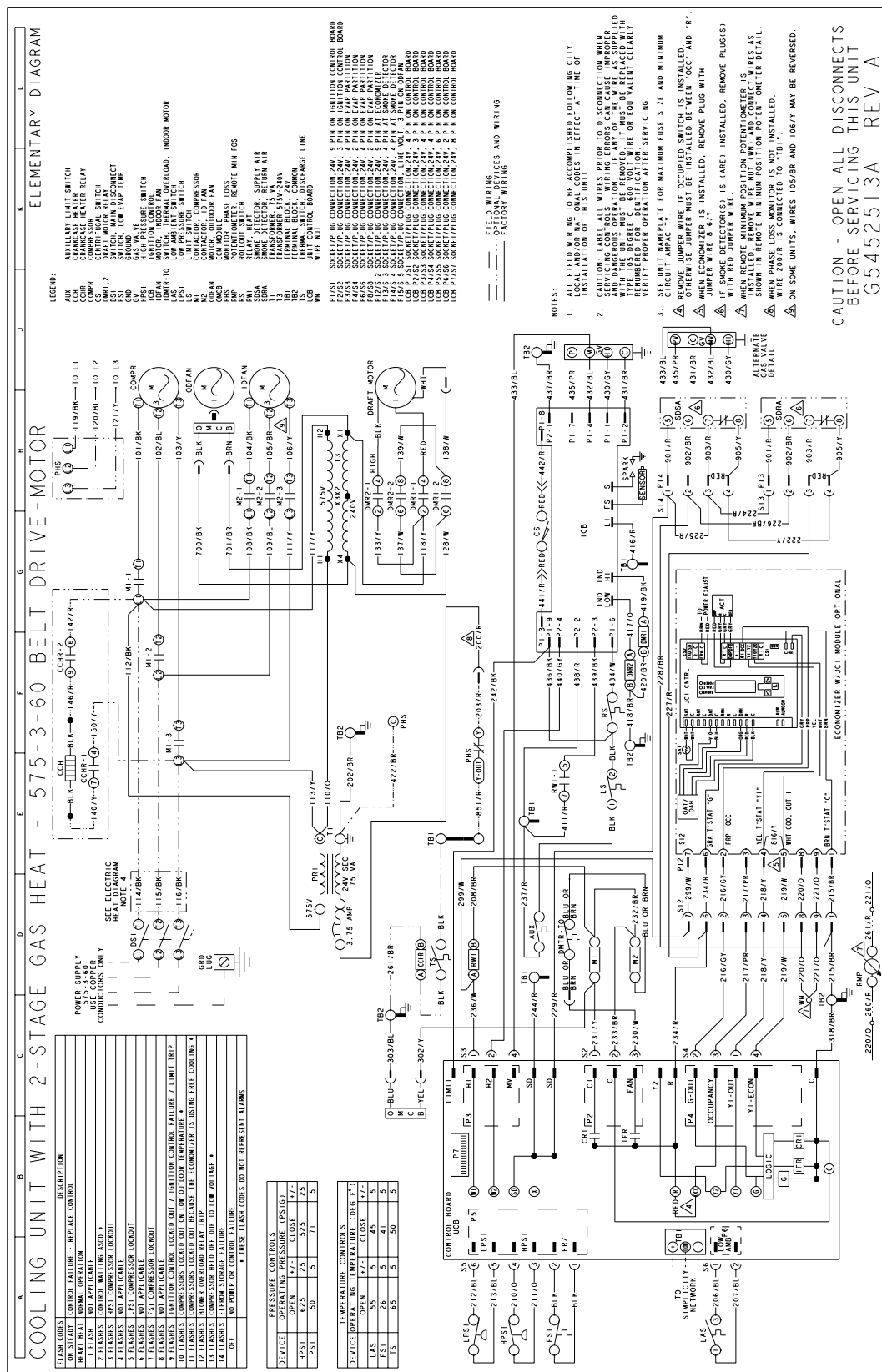


Typical ZE060 Direct Drive Single Stage Gas 208/230-1-60 Diagram



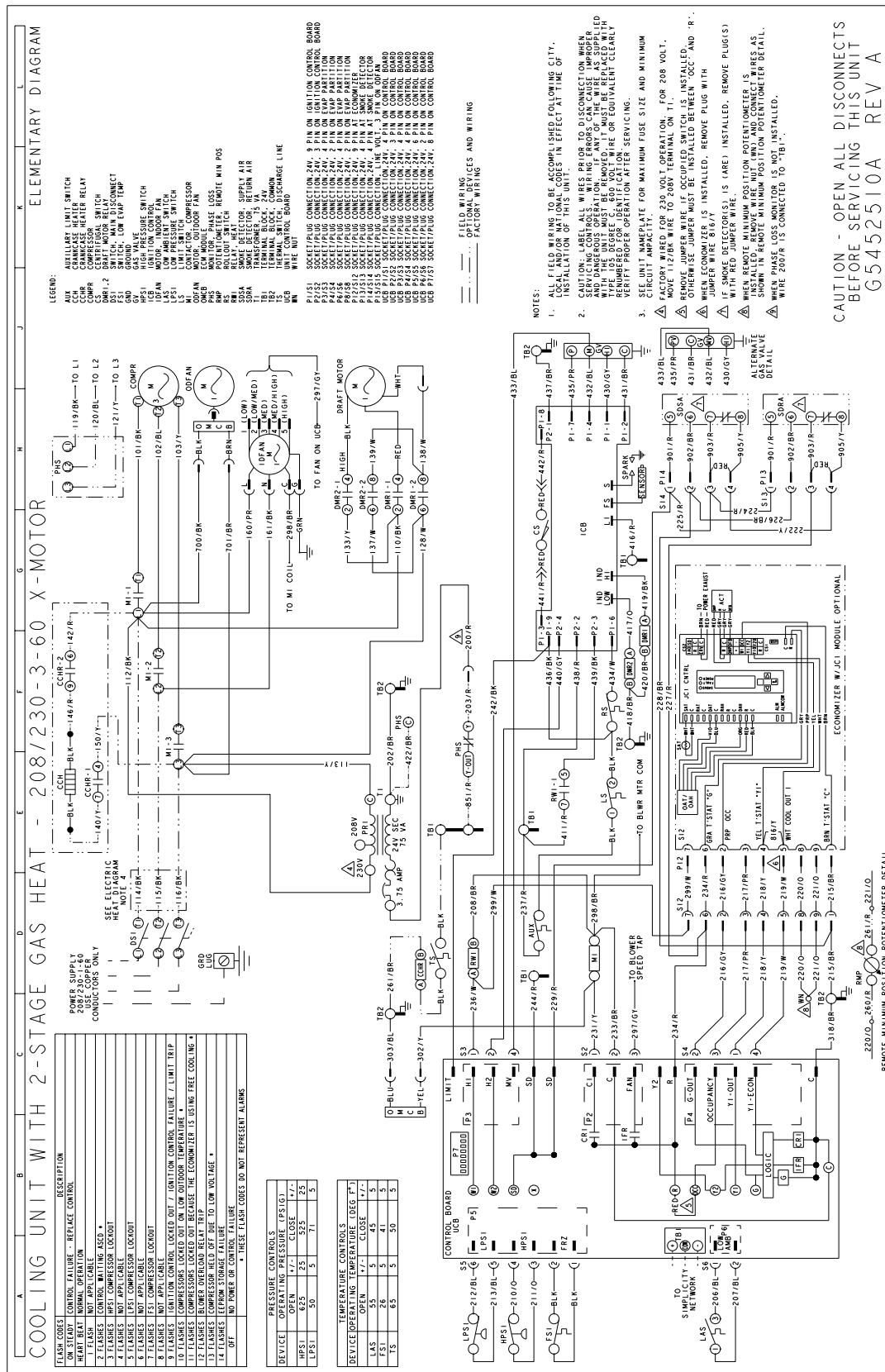
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Typical ZE060 Belt Drive Two Stage Gas 575-3-60 Diagram



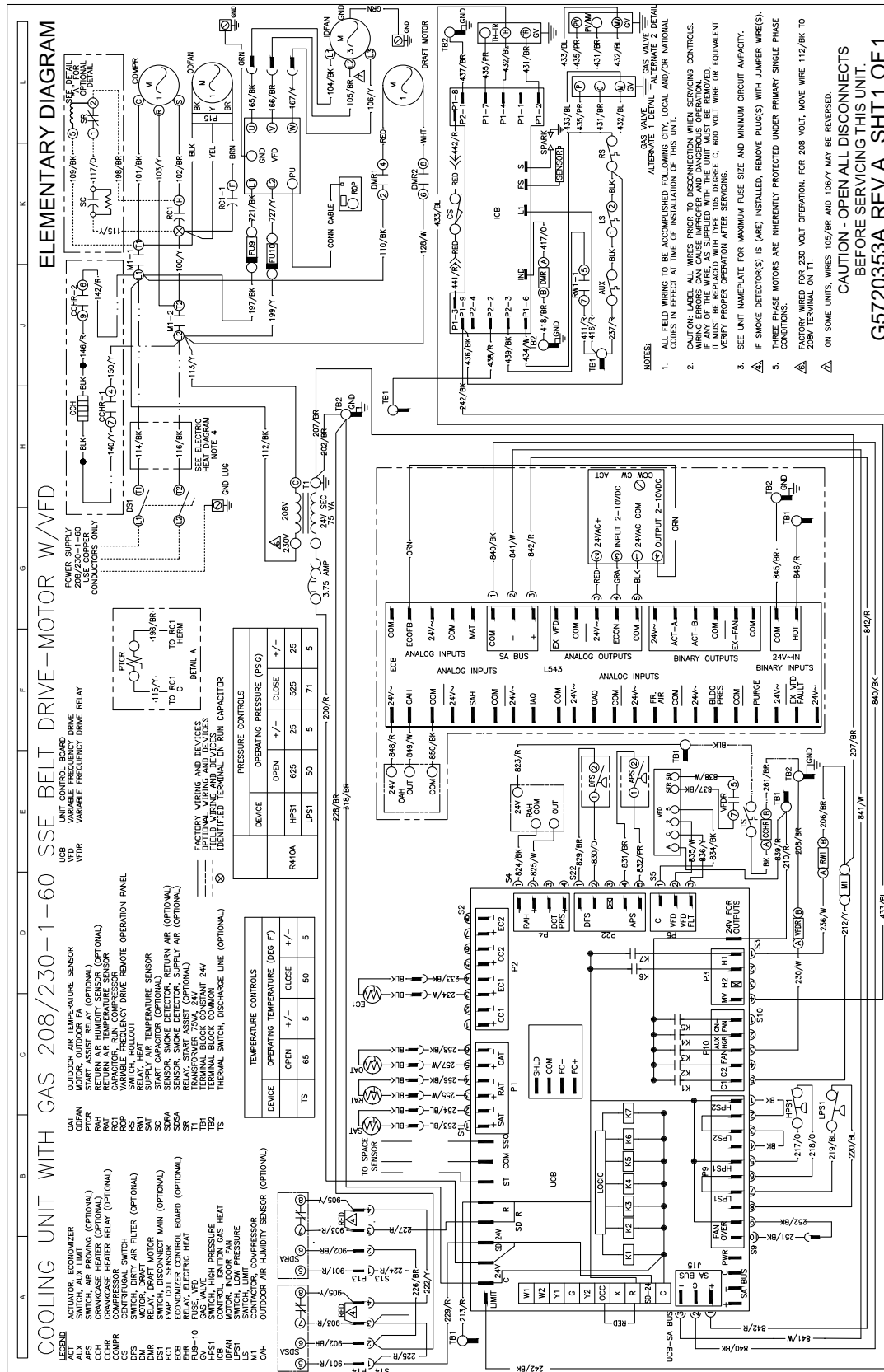
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Typical ZE060 Direct Drive Two Stage Gas 208/230-3-60 Diagram

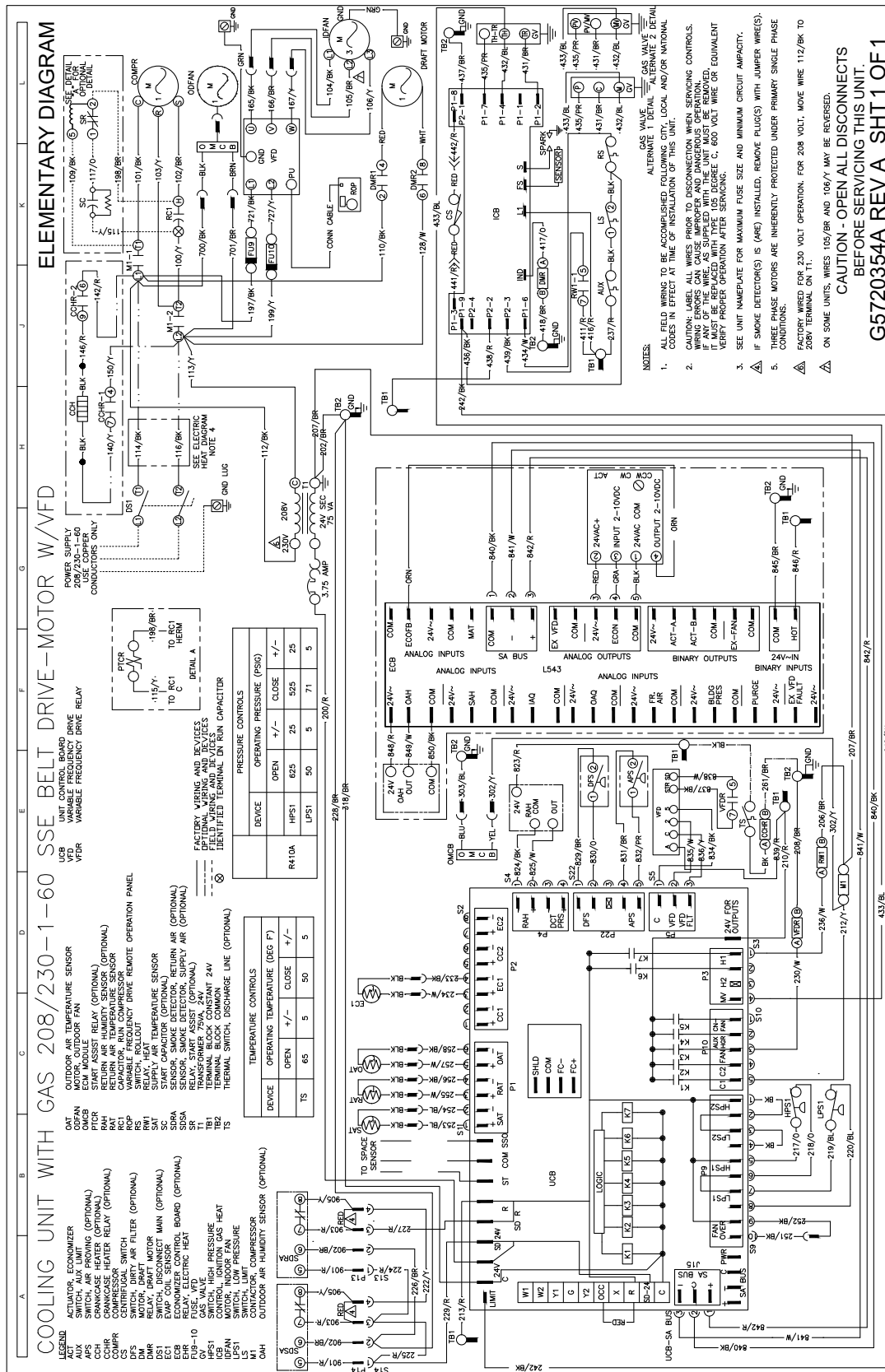


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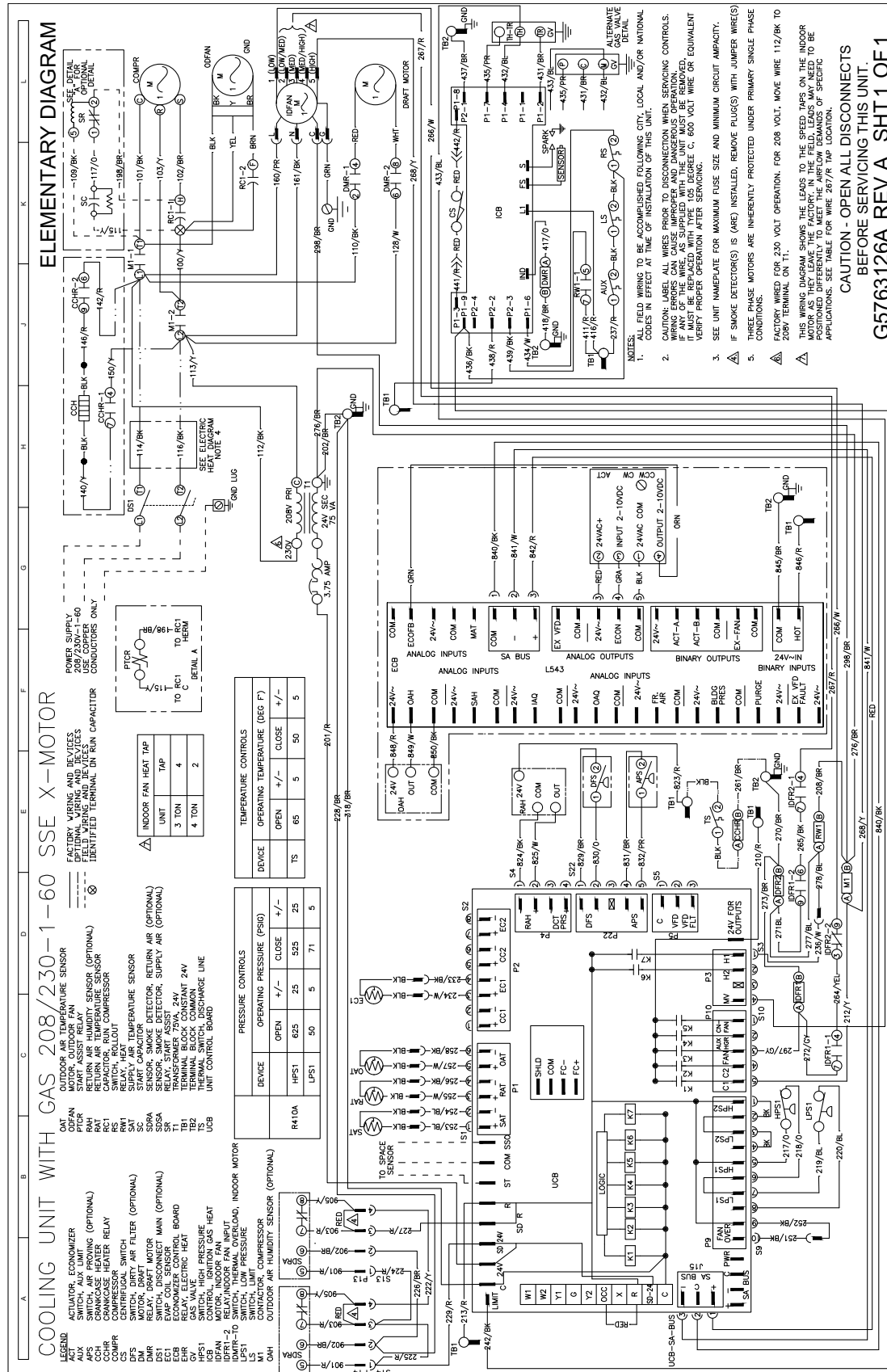
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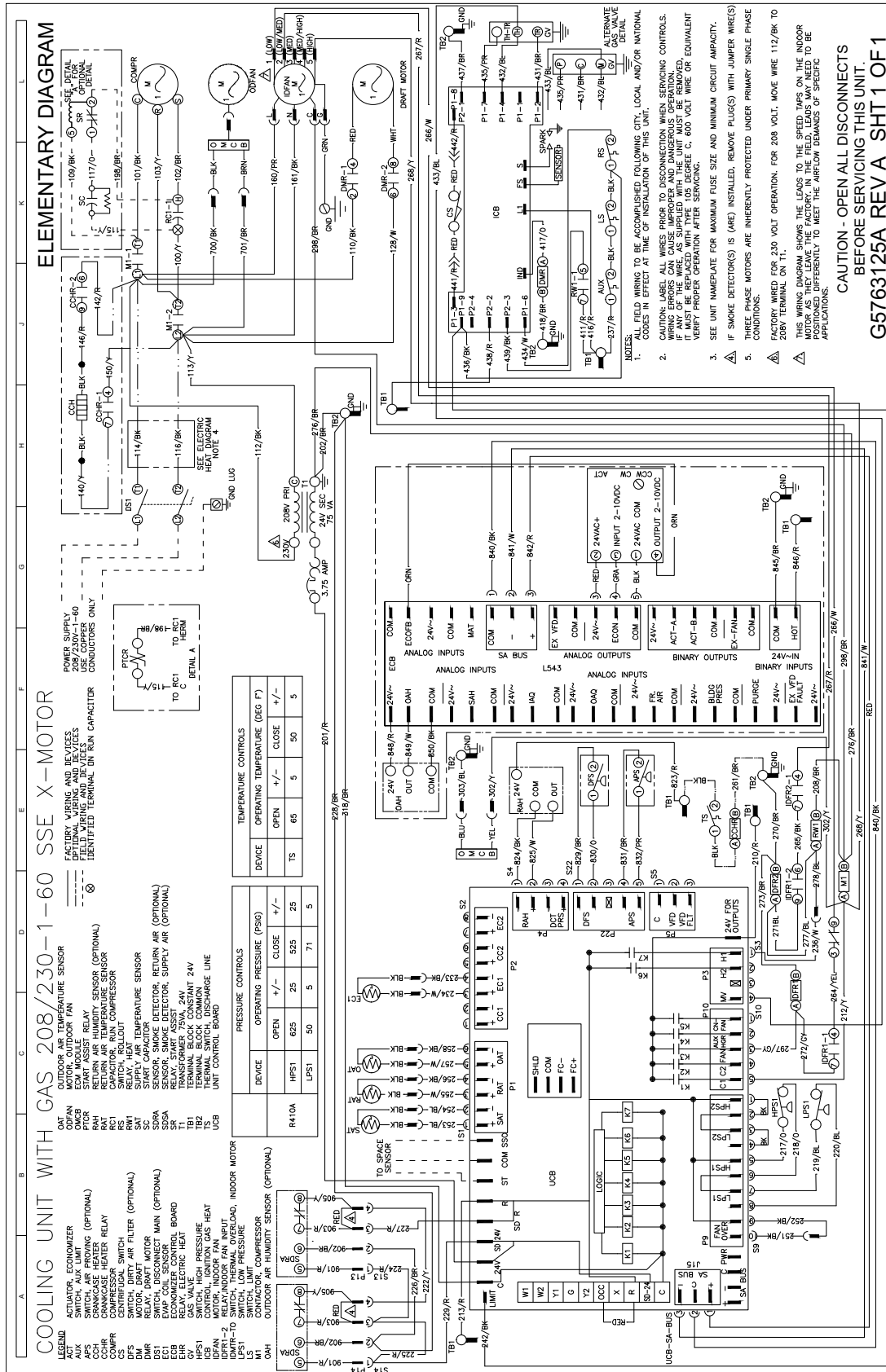
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Typical ZE036-048 Direct Drive Single Stage Gas 208/230-1-60 Smart Equipment™ FER



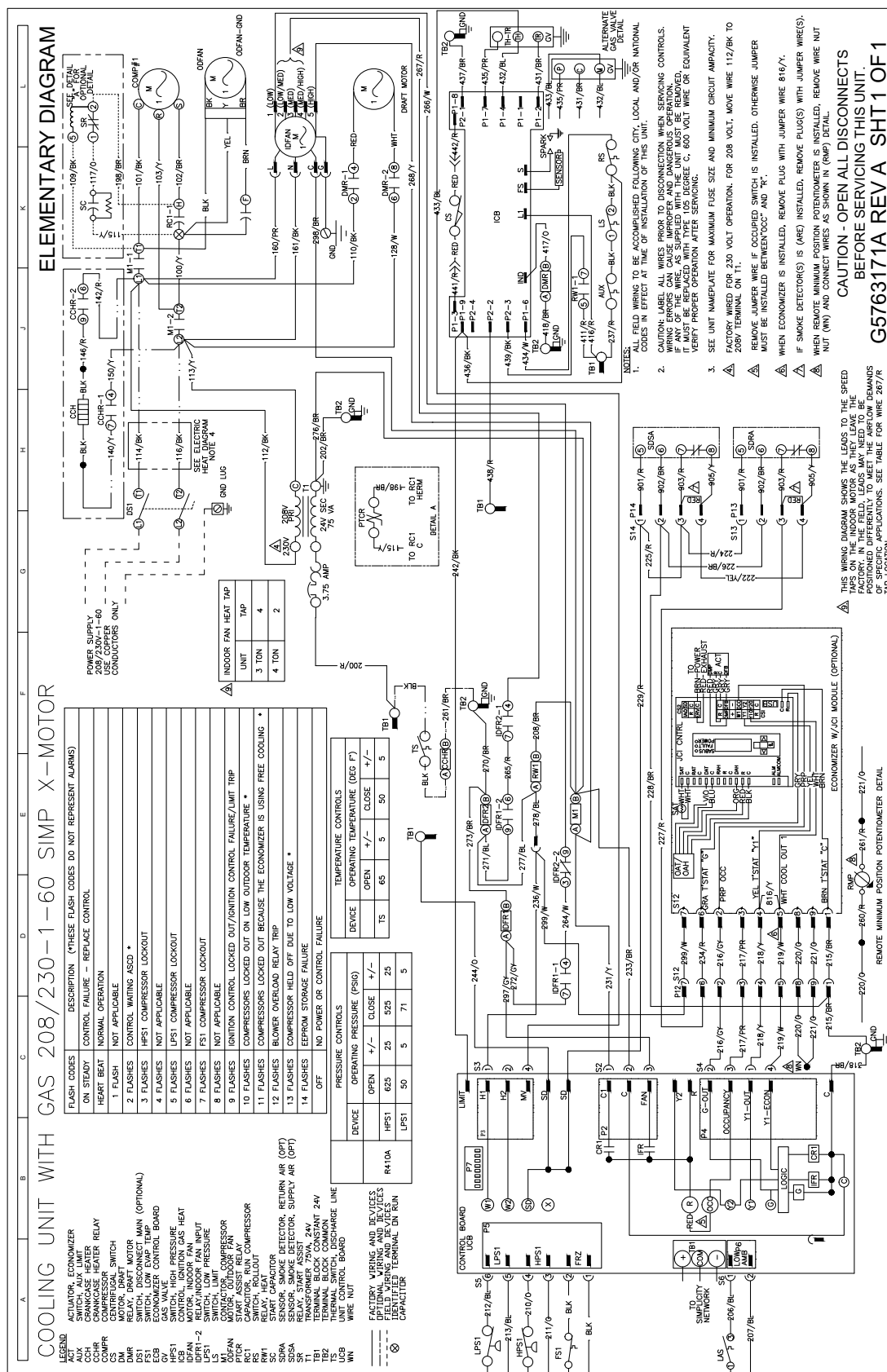
Typical ZE060 Direct Drive Single Stage Gas 208/230-1-60 Smart Equipment™ FER



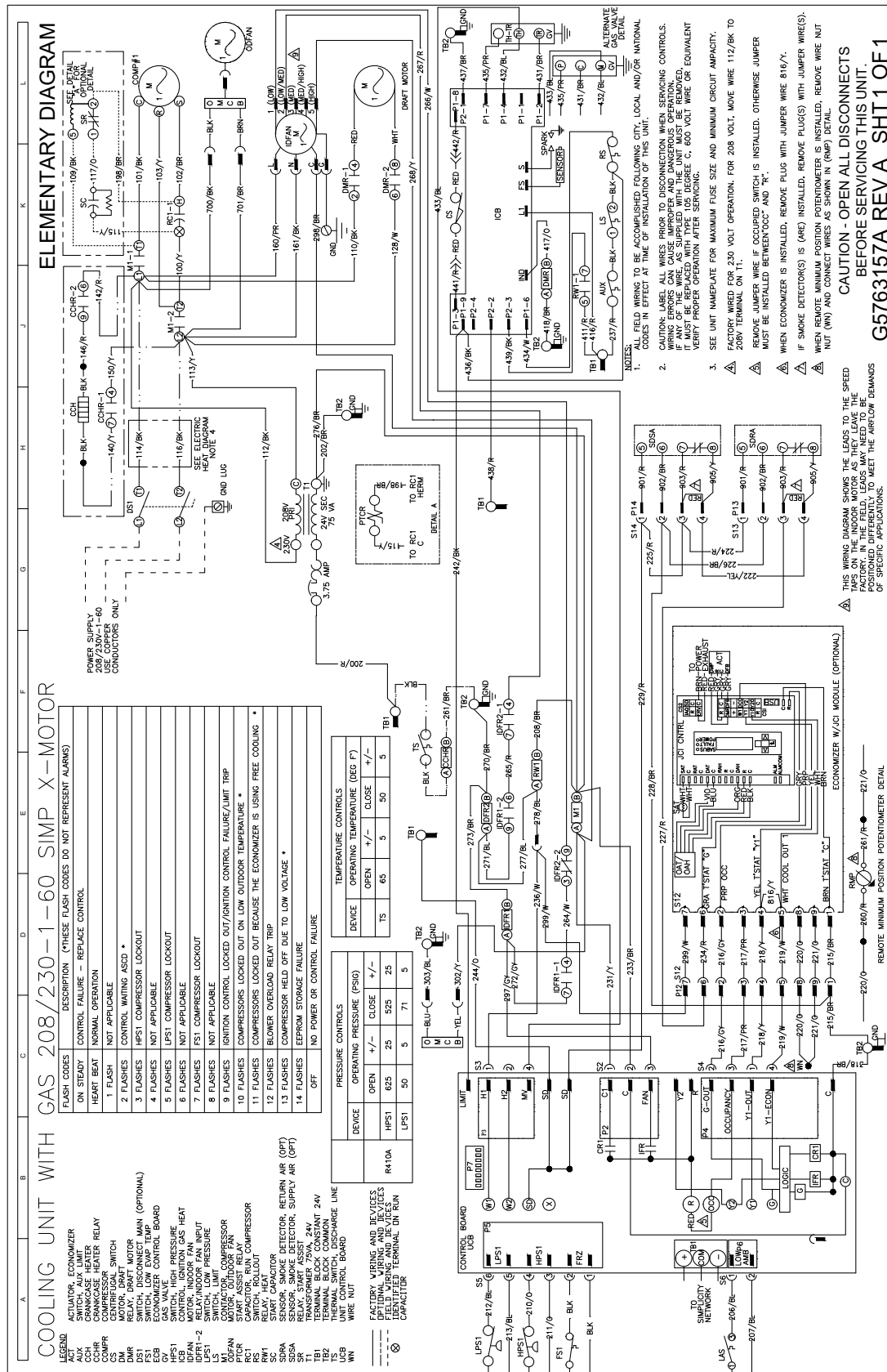
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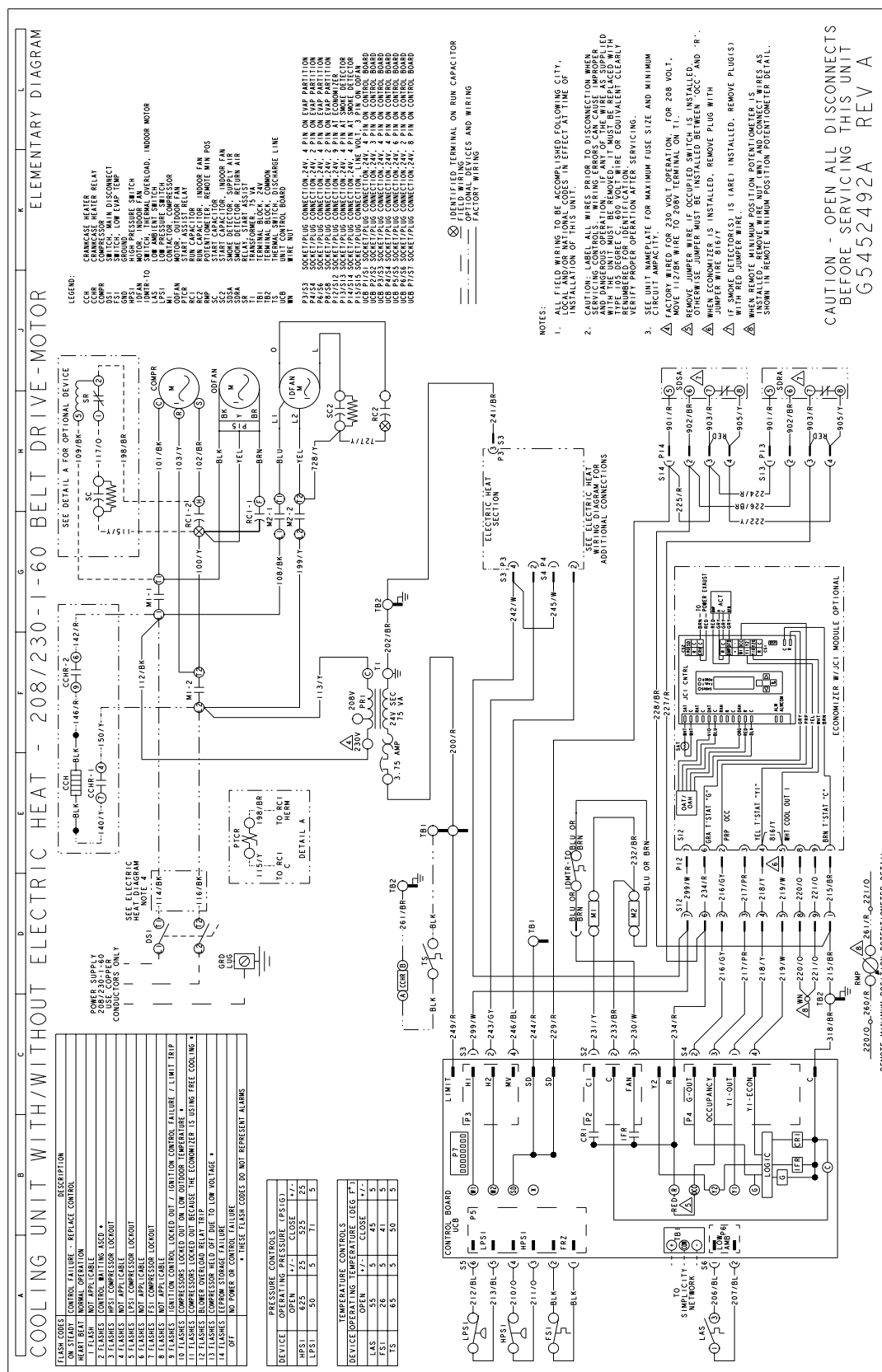
Typical ZE036-048 Direct Drive Single Stage Gas 208/230-1-60 Simplicity FER



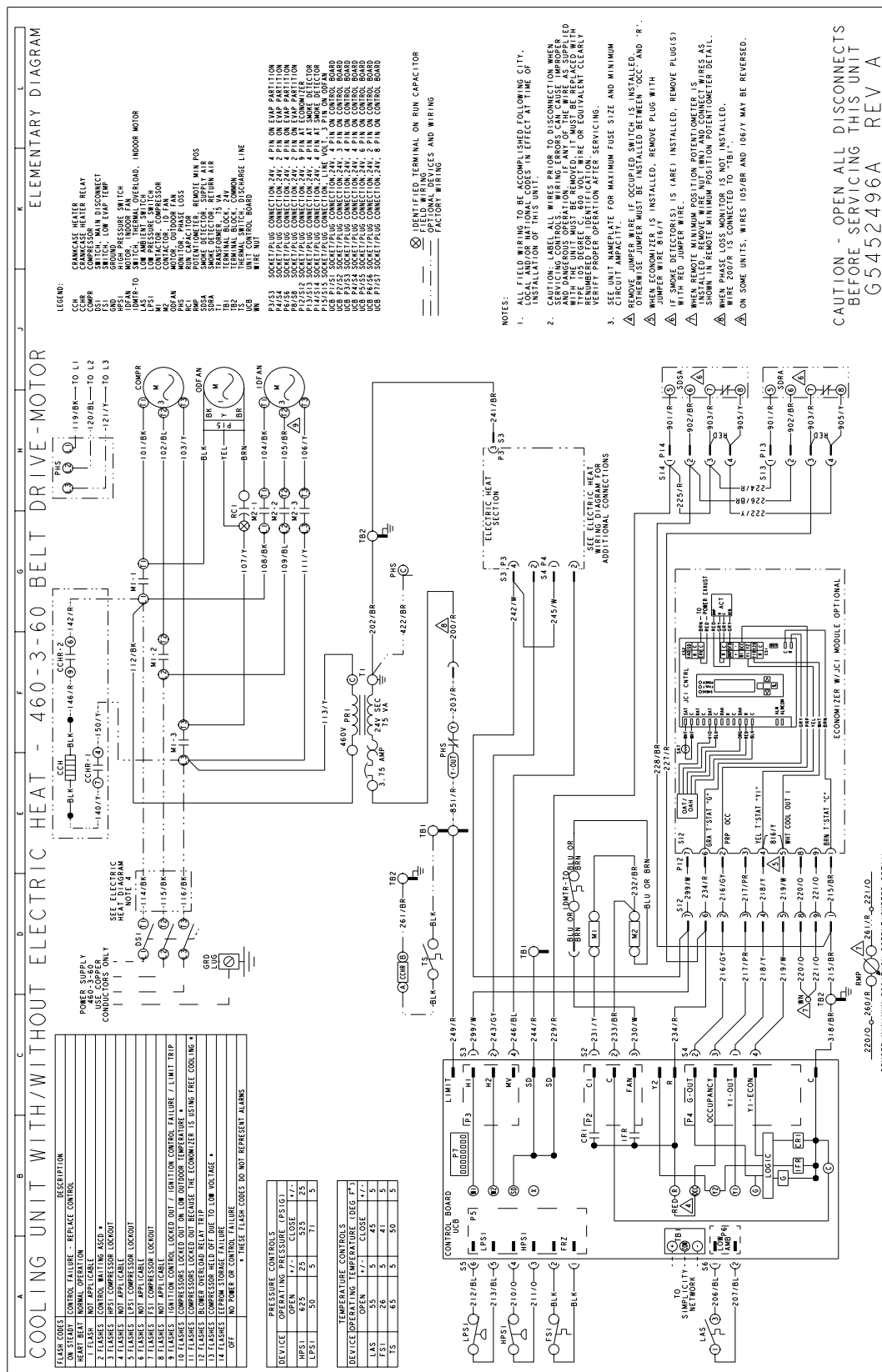
Typical ZE060 Direct Drive Single Stage Gas 208/230-1-60 Simplicity FER



Typical ZE036-048 Belt Drive with Electric Heat 208/230-1-60 Diagram

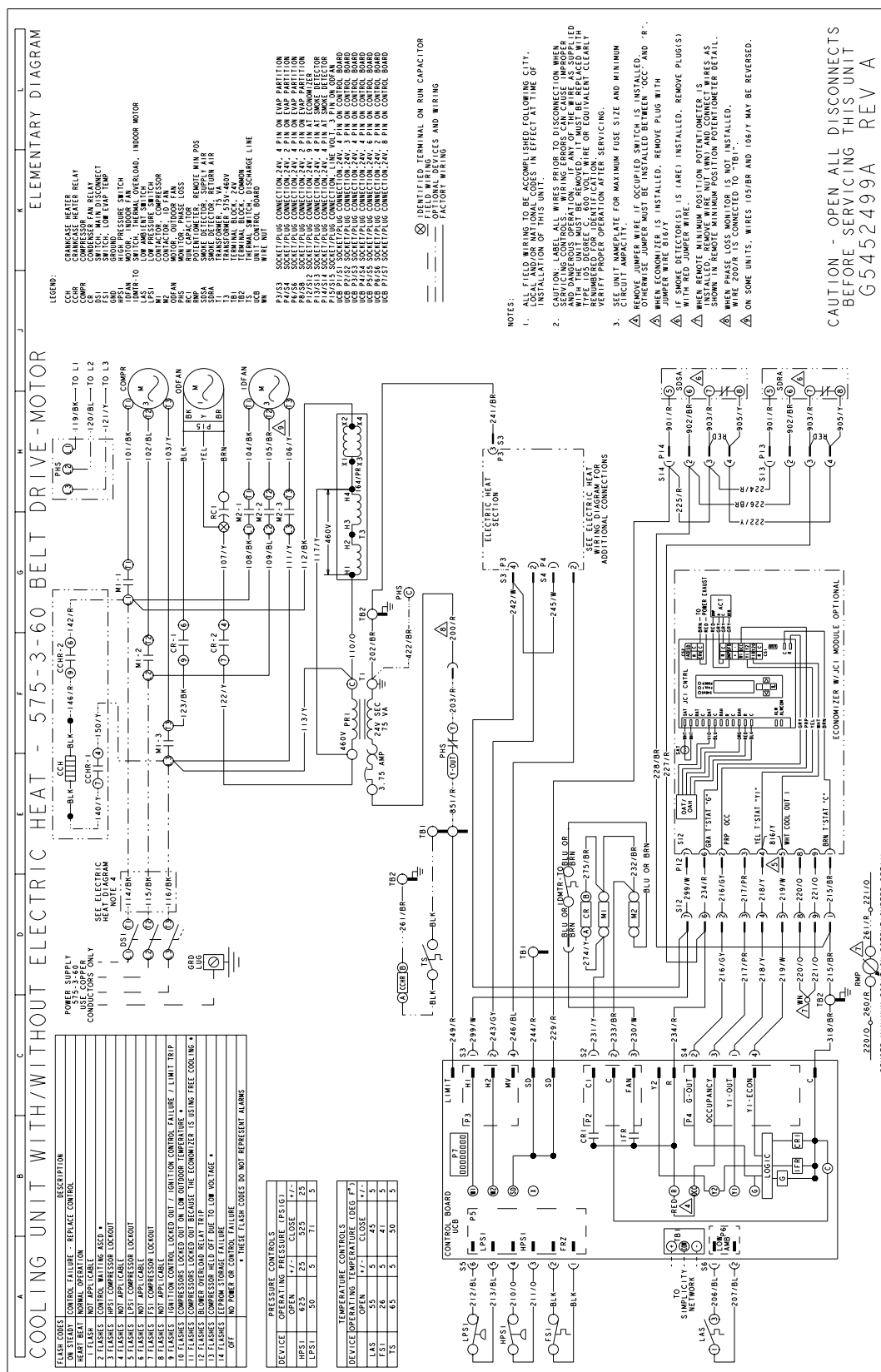


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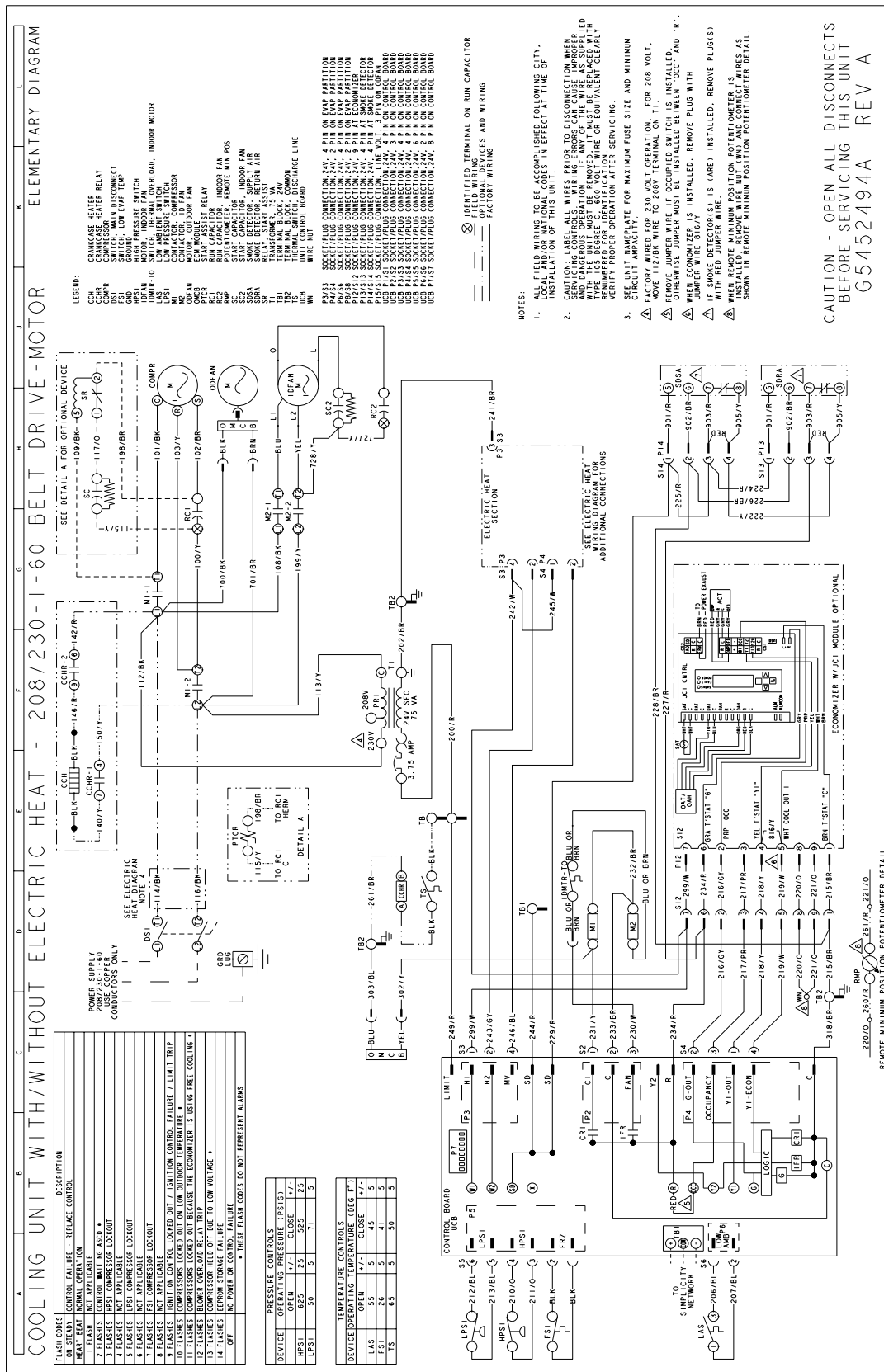


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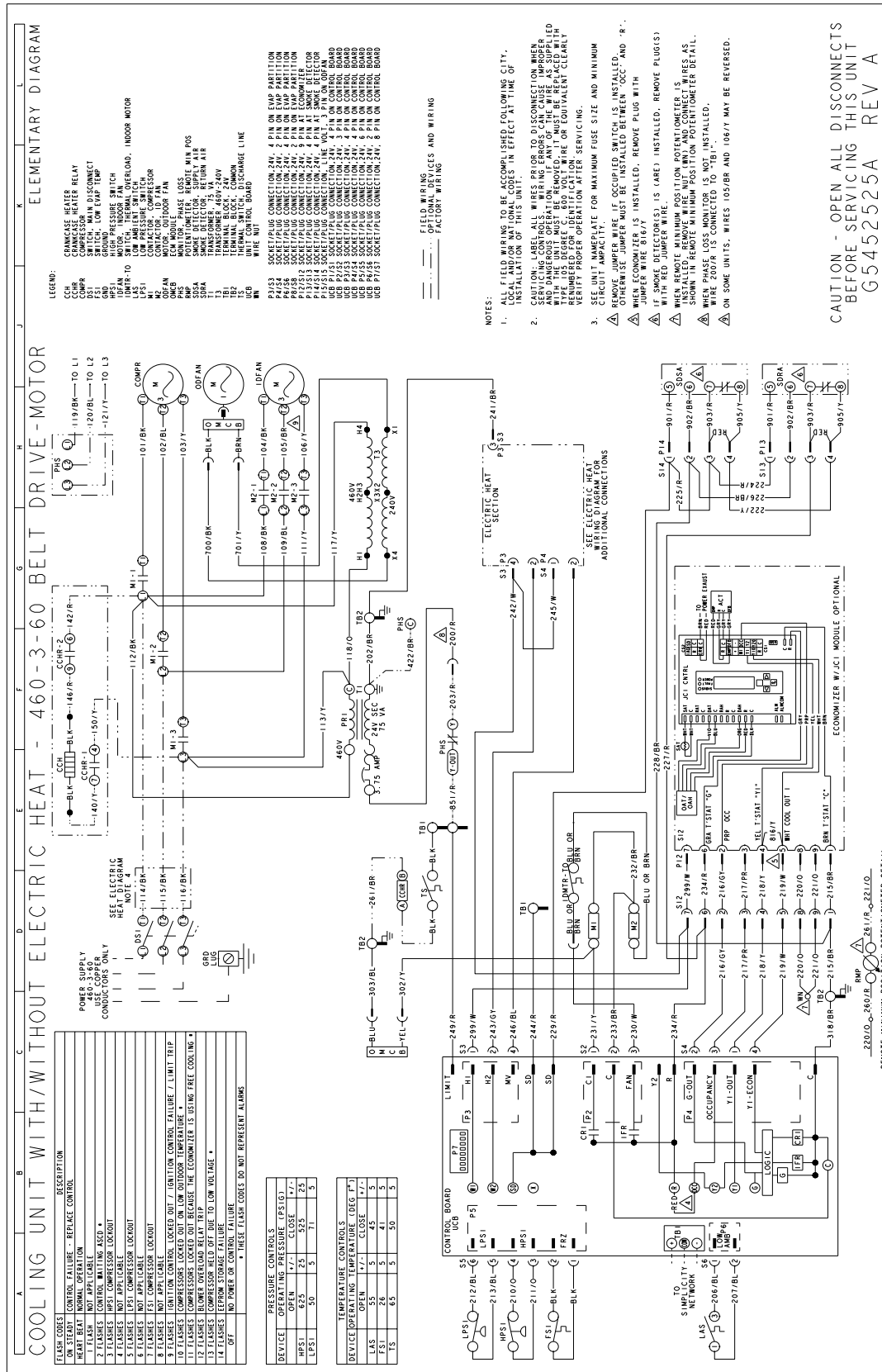
Typical ZE036-048 Belt Drive with Electric Heat 575-3-60 Diagram



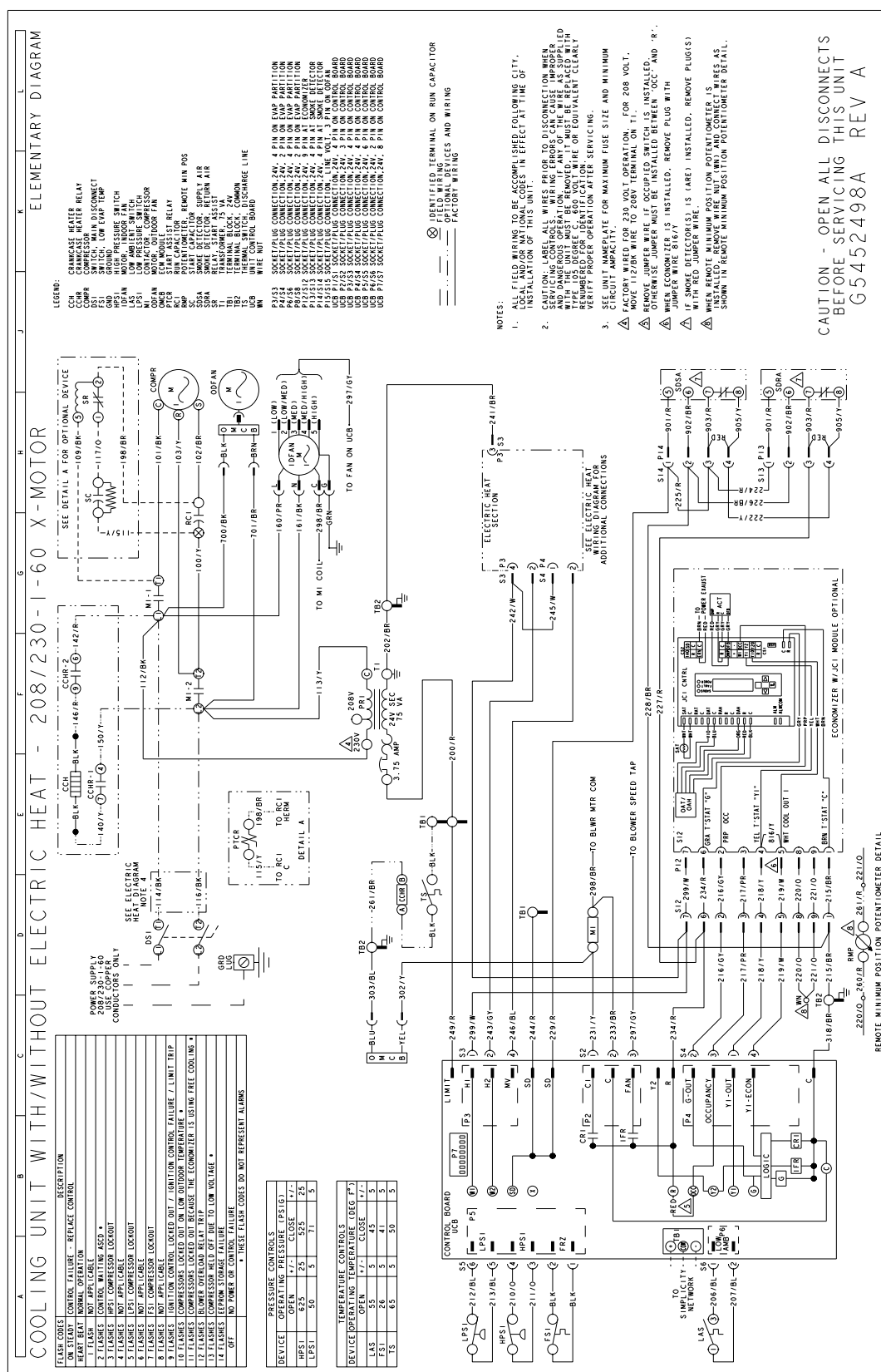
Typical ZE060 Belt Drive with Electric Heat 208/230-1-60 Diagram



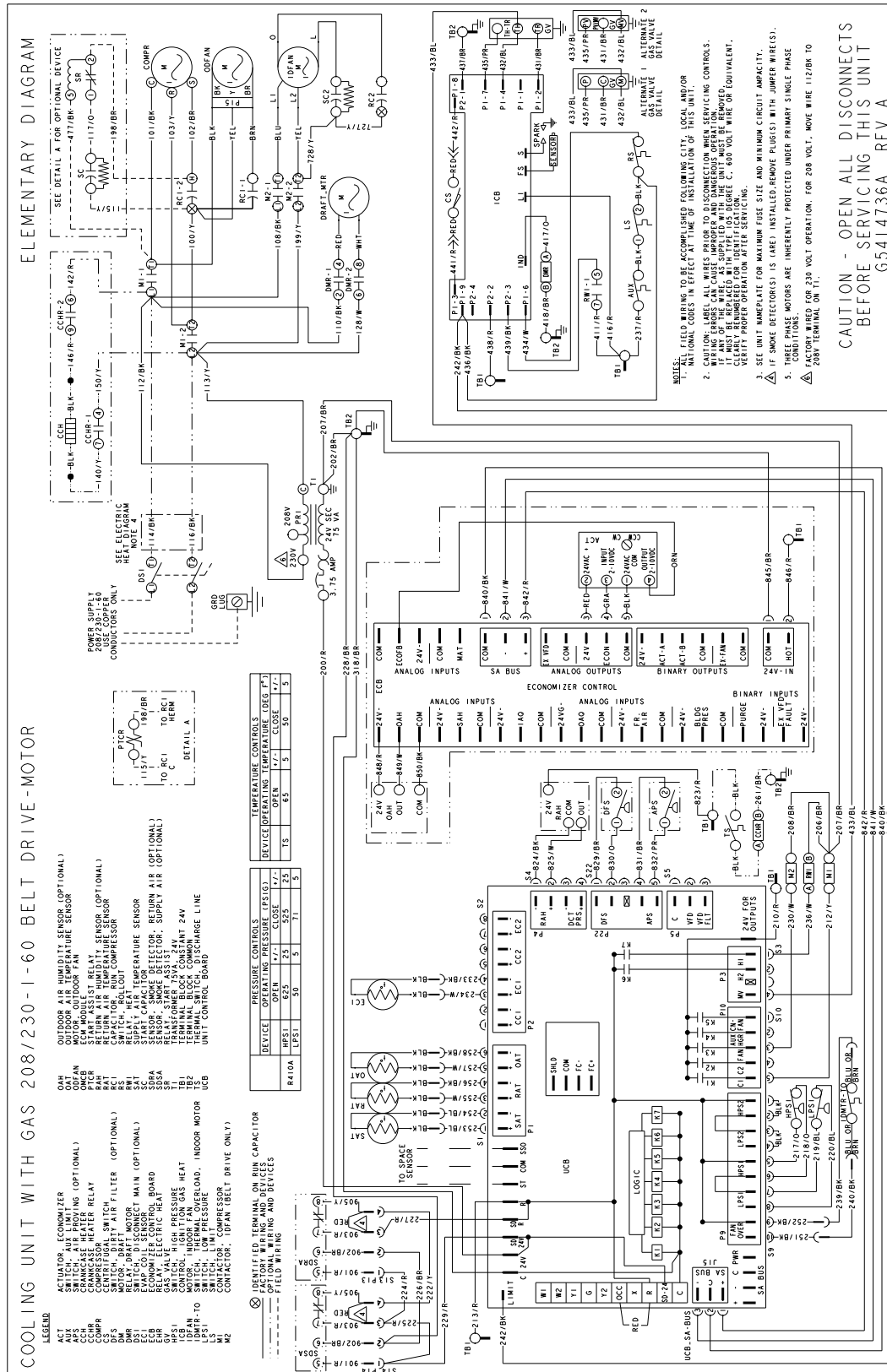
Typical ZE060 Belt Drive with Electric Heat 460-3-60 Diagram



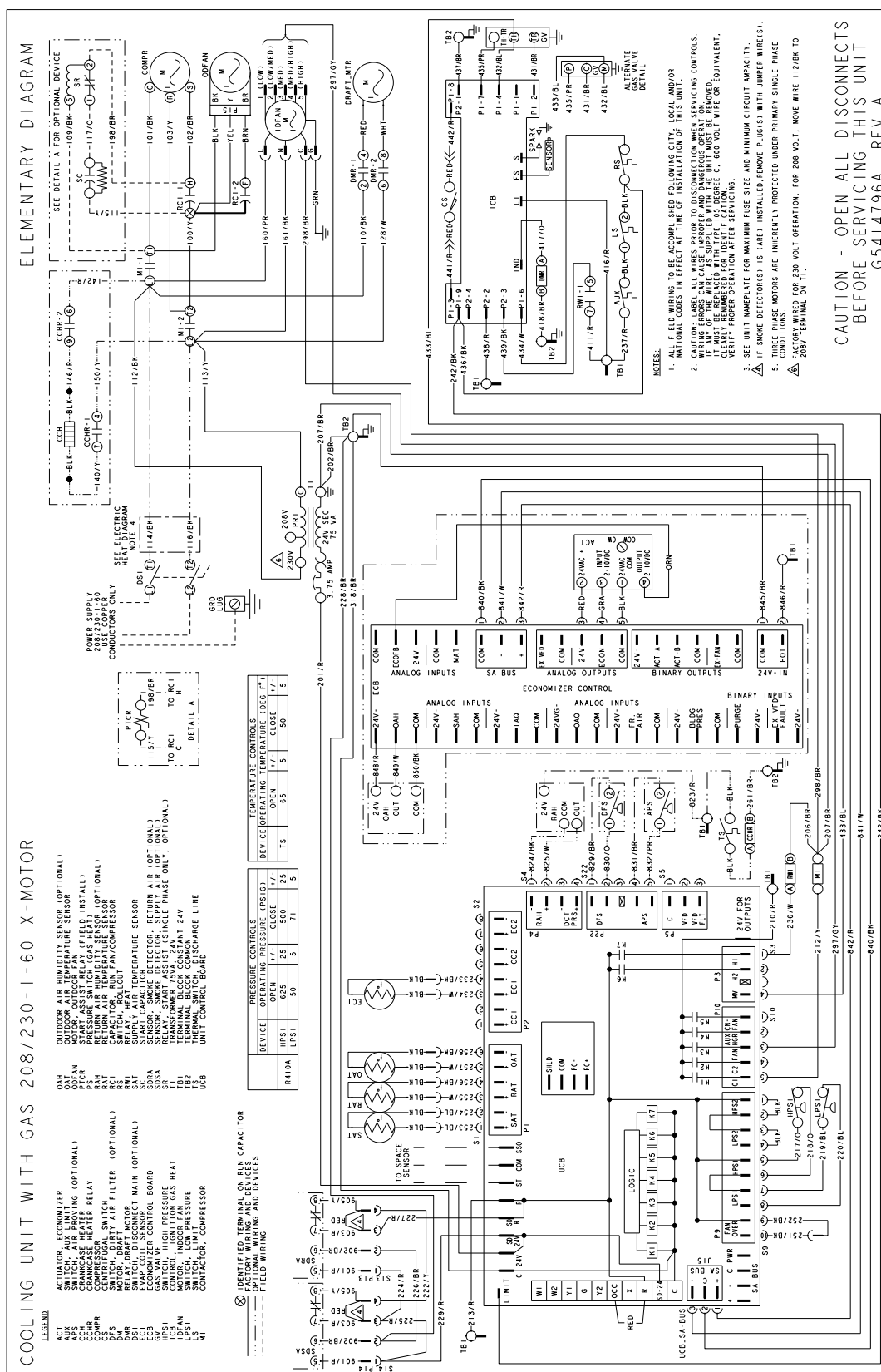
Typical ZE060 Direct Drive with Electric Heat 208/230-3-60 Single Phase Diagram



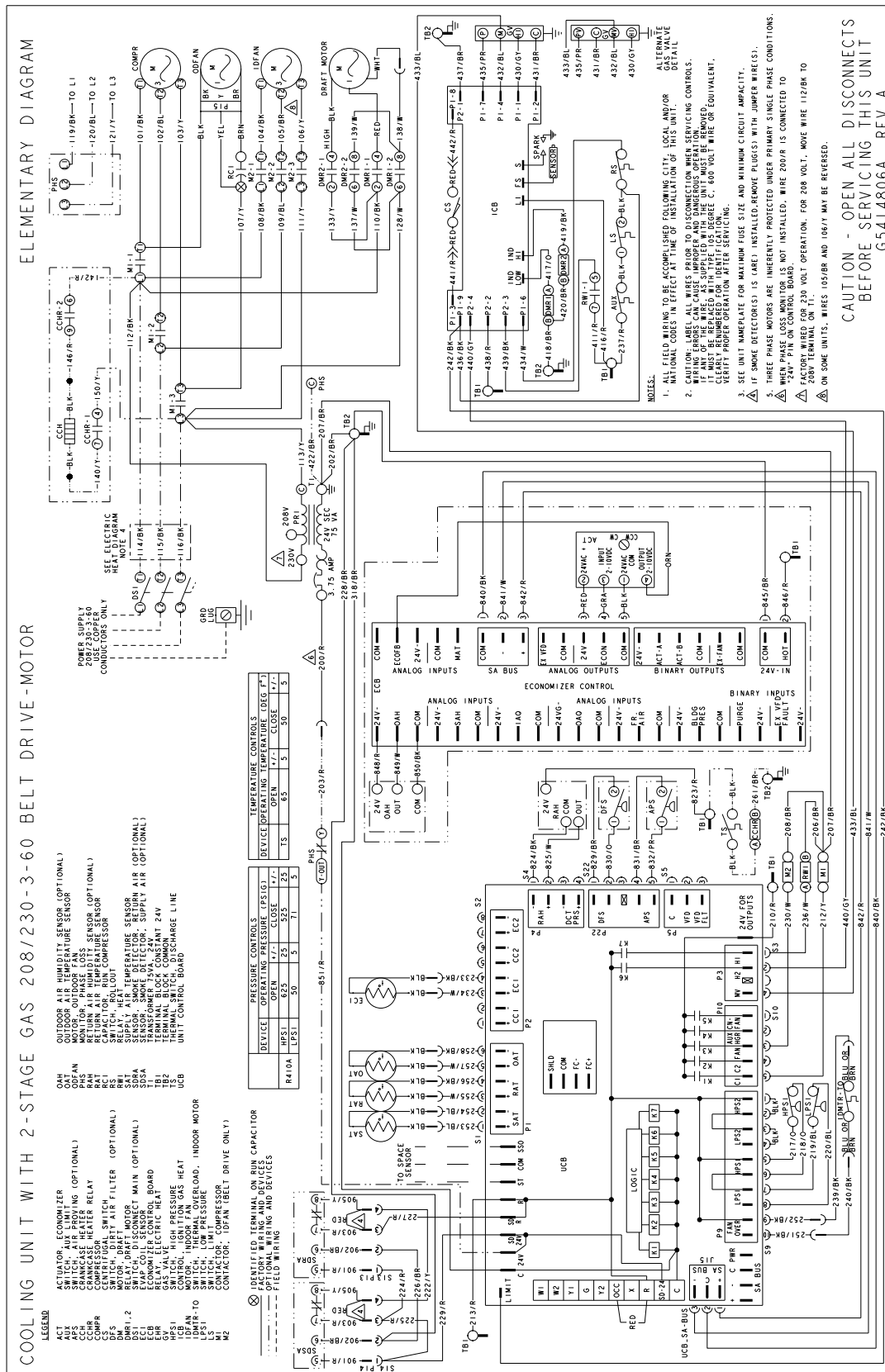
Typical ZE036-048 Belt Drive Single Stage Gas 208/230-1-60 Diagram



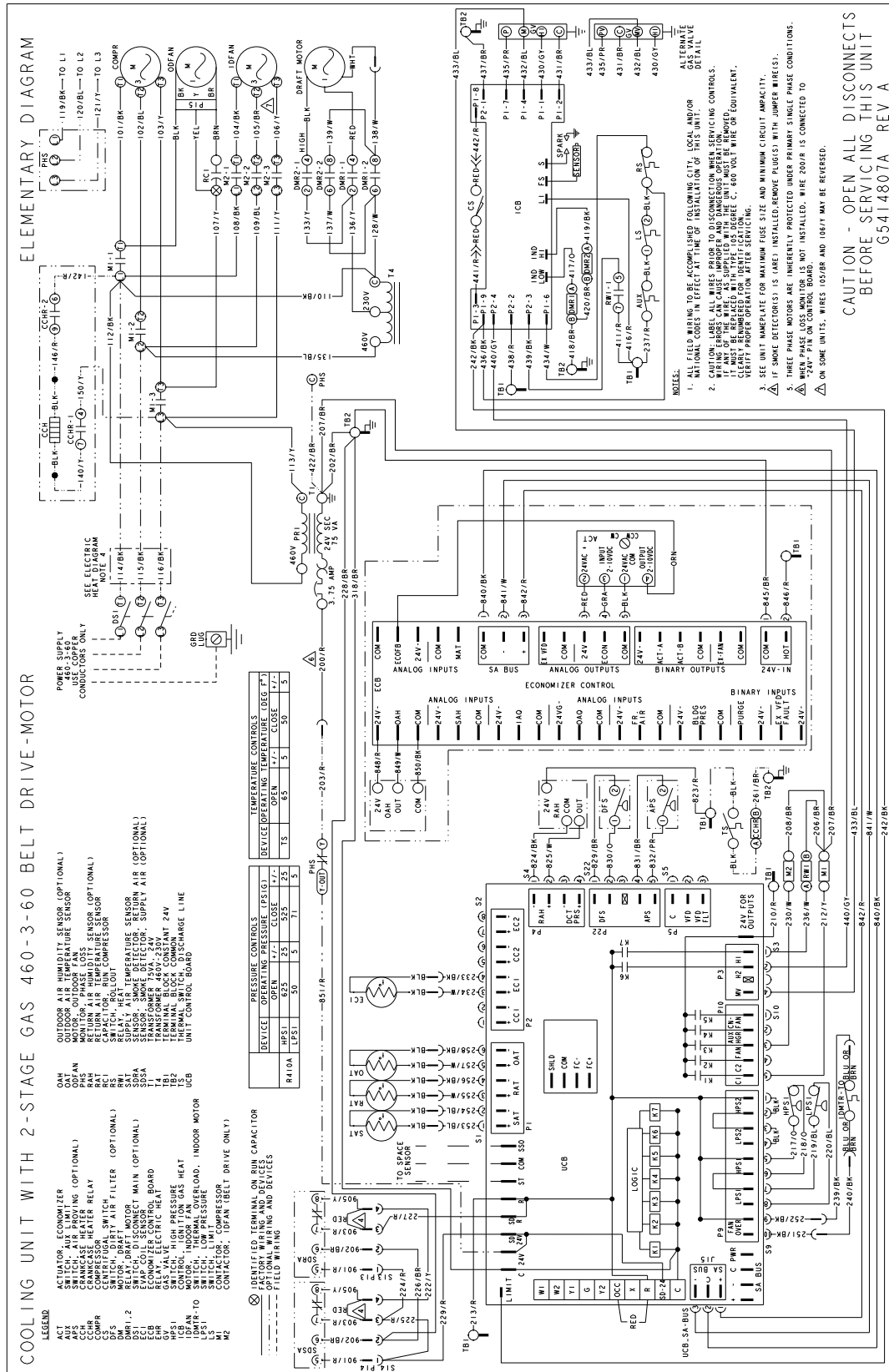
Typical ZE036-048 Direct Drive Single Stage Gas 208/230-1-60 Diagram



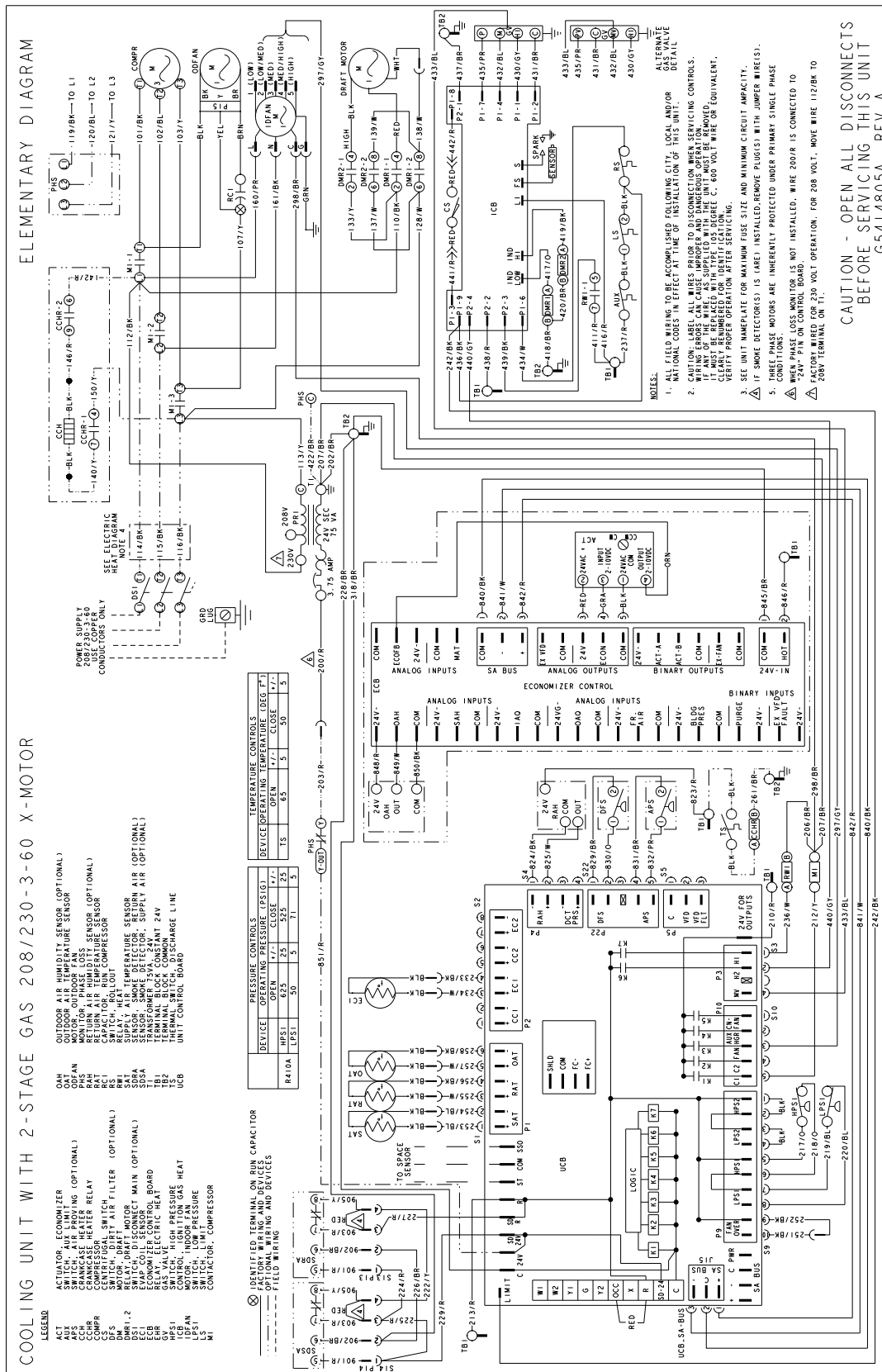
Typical ZE036-048 Belt Drive Two Stage Gas 208/230-3-60 Diagram



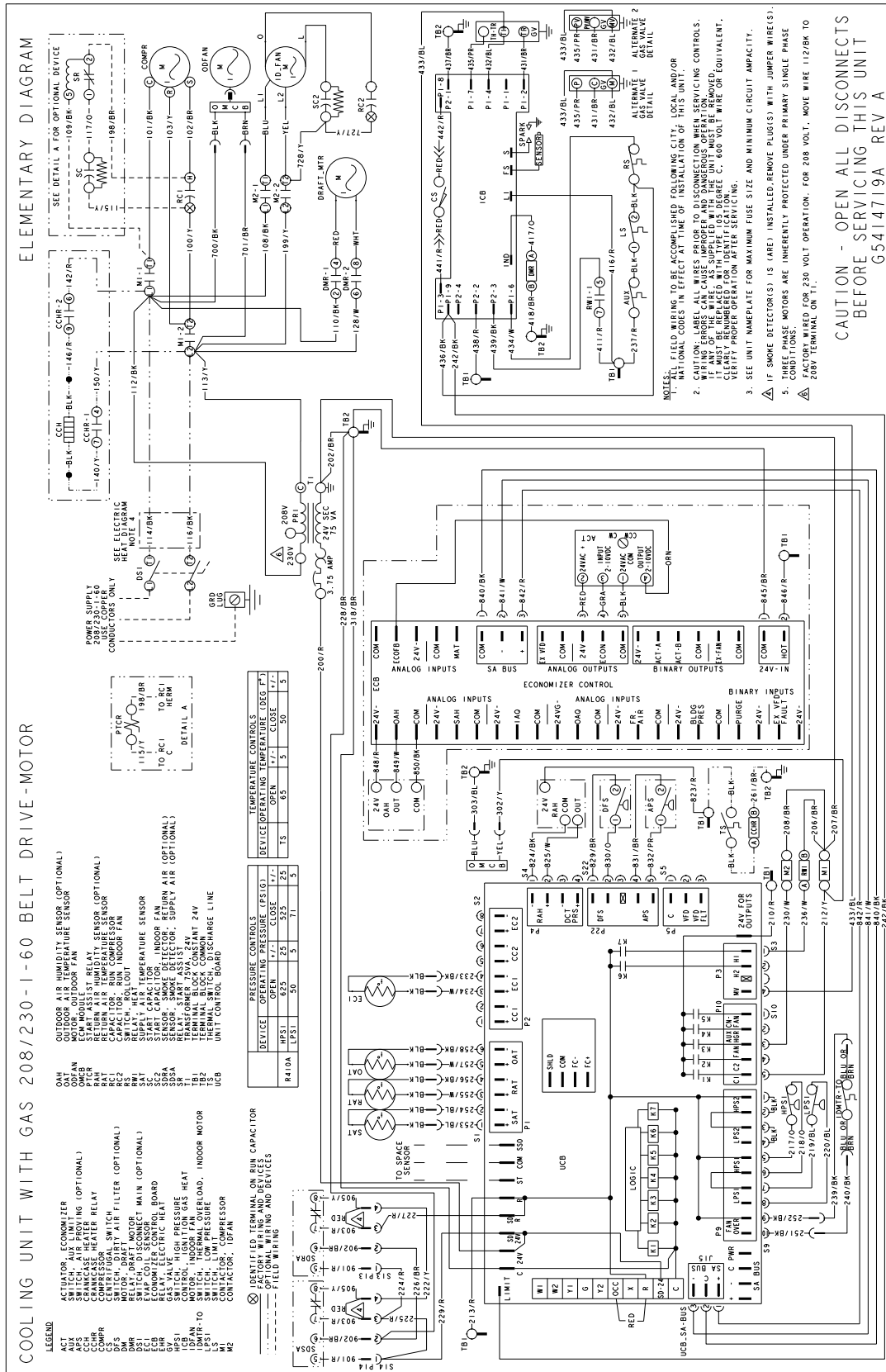
Typical ZE036-048 Belt Drive Two Stage Gas 460-3-60 Diagram



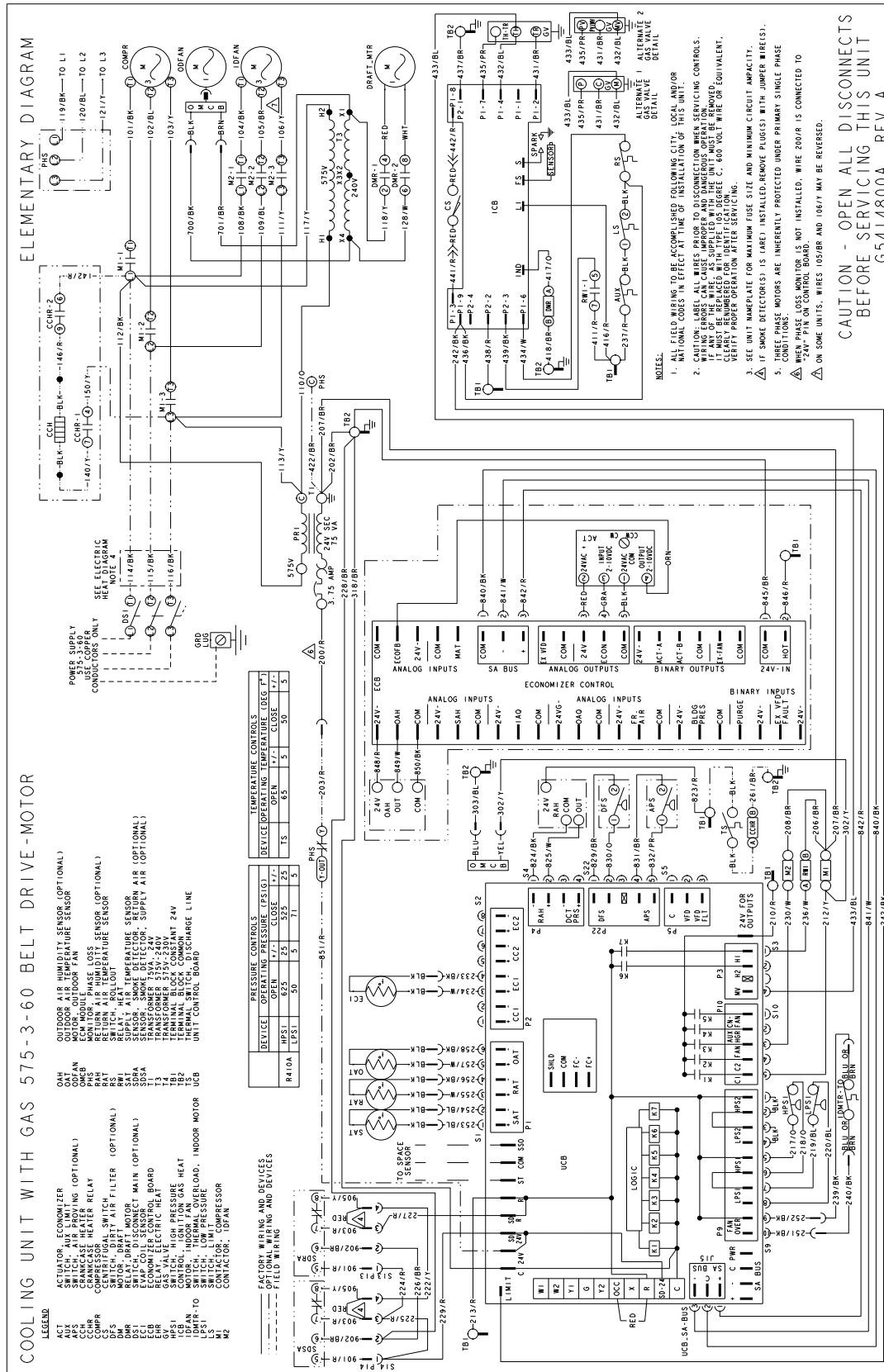
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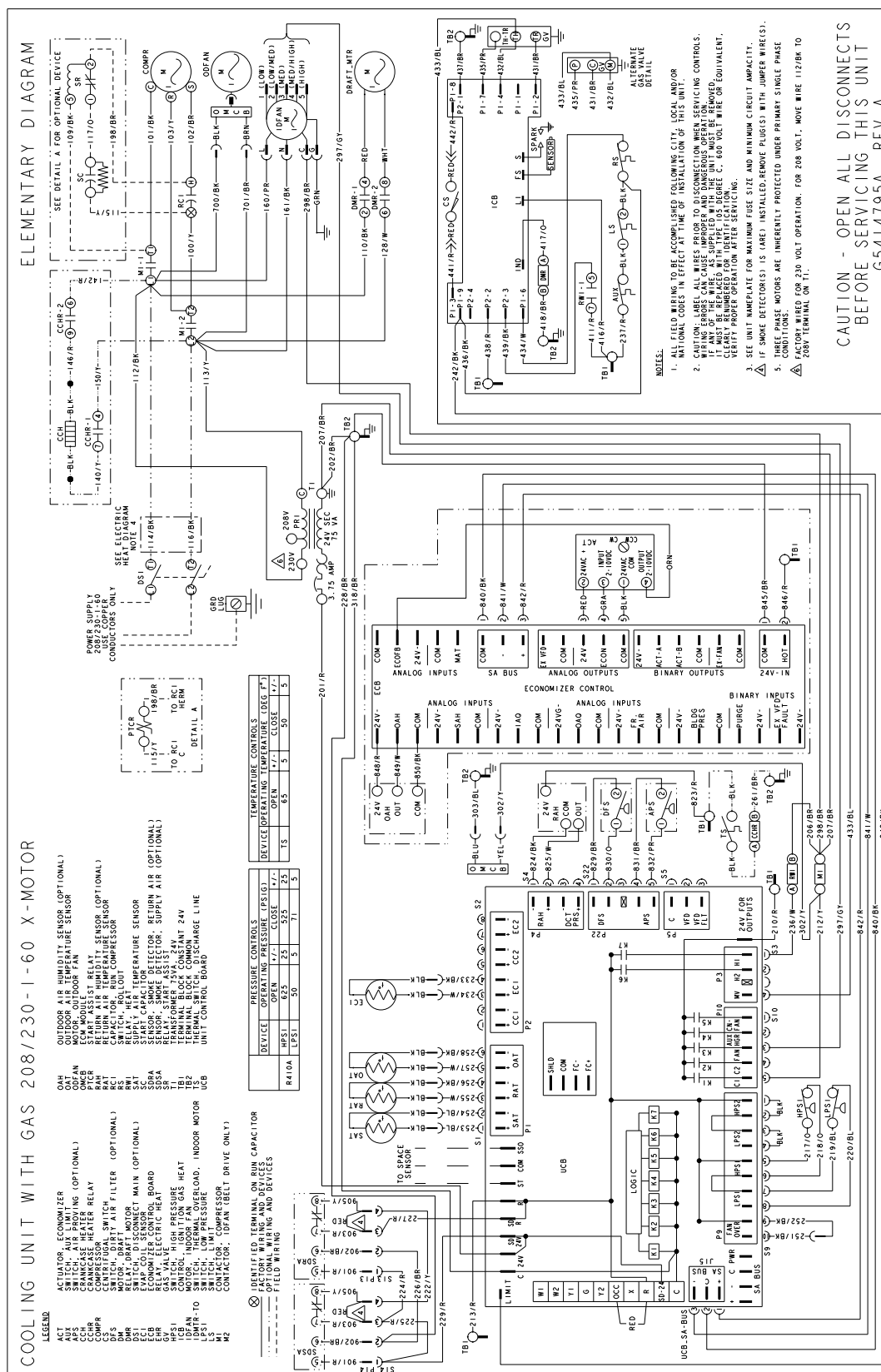
Typical ZE060 Belt Drive Single Stage Gas 208/230-1-60 Diagram



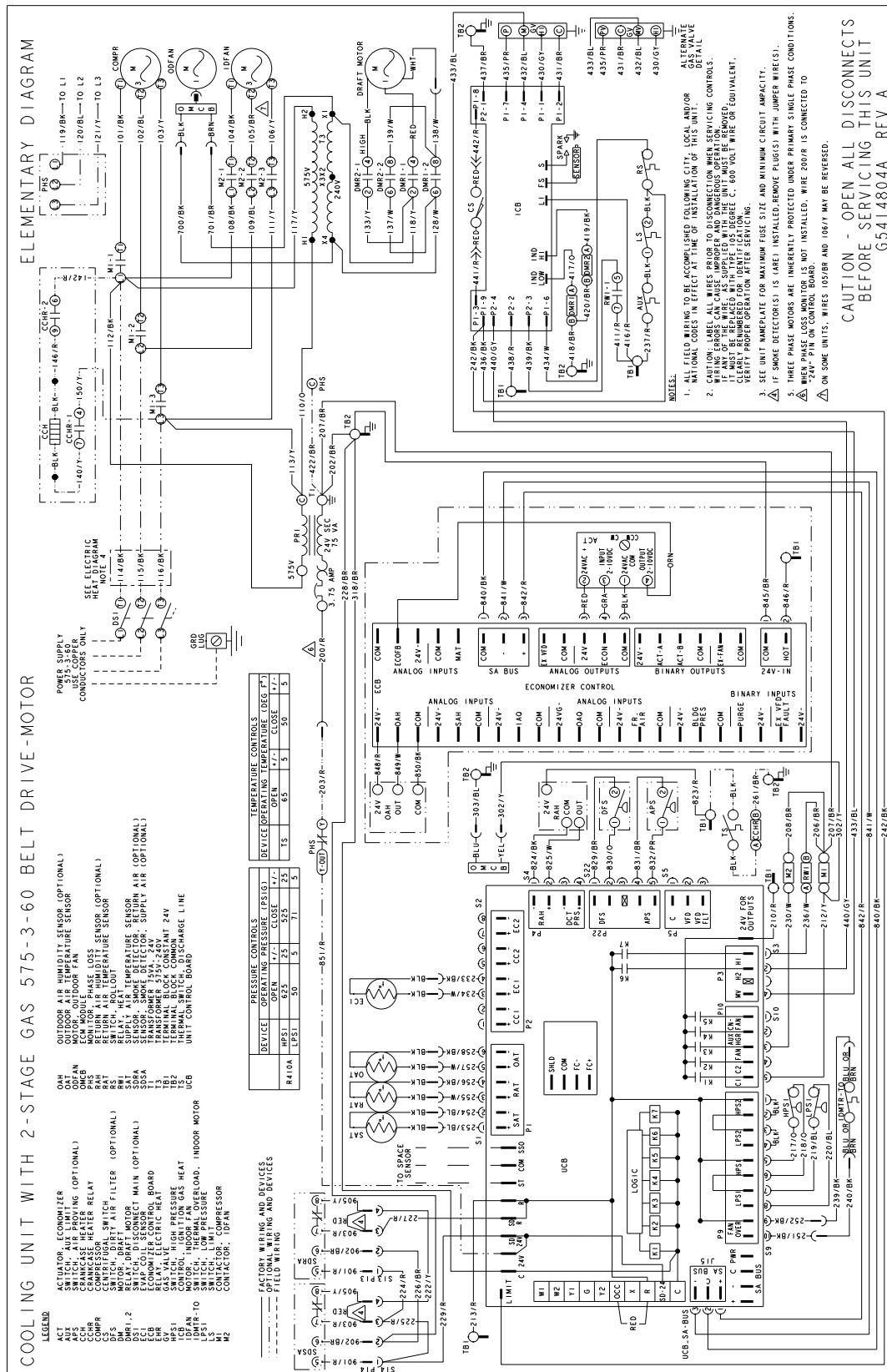
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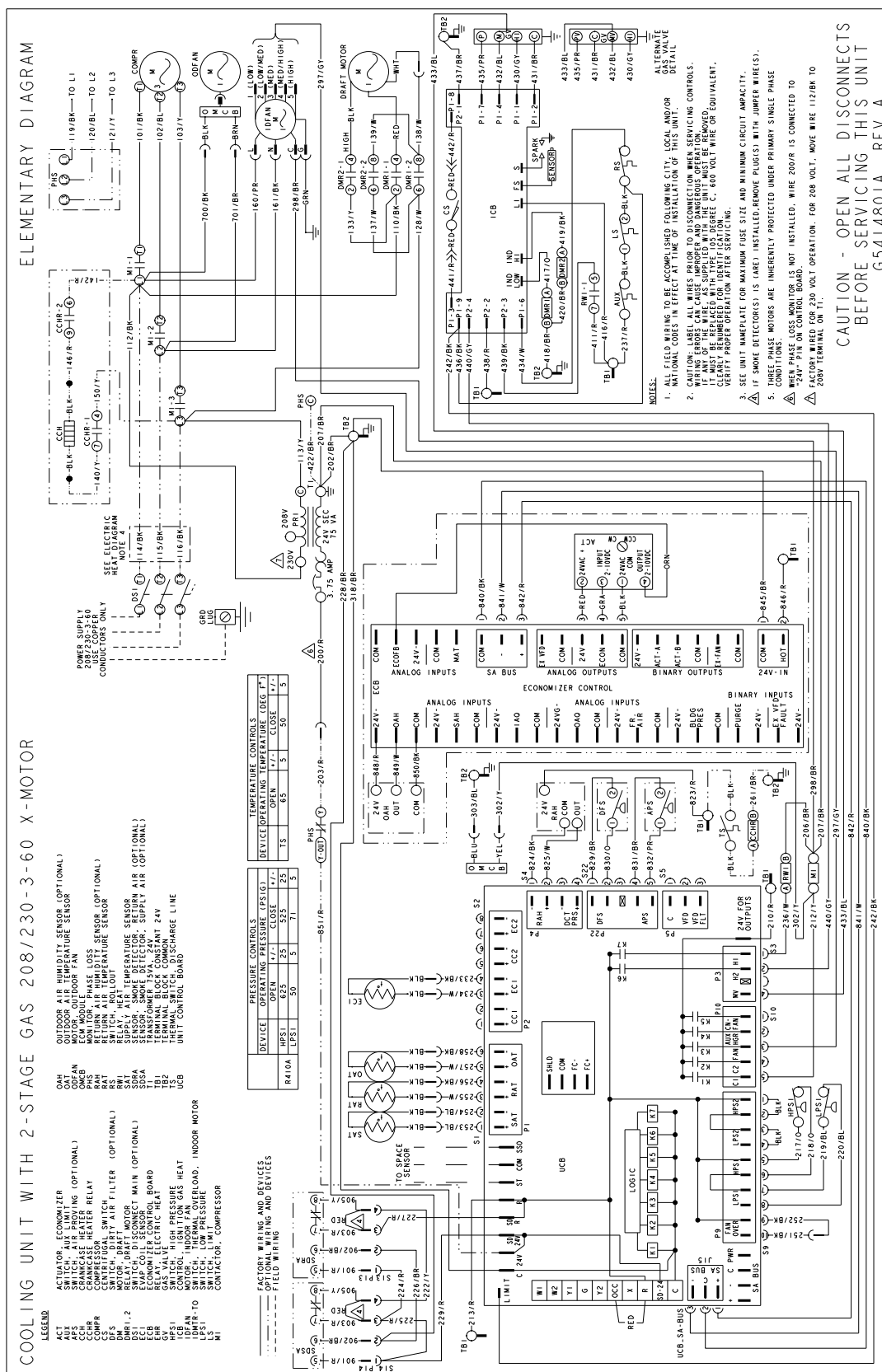
Typical ZE060 Direct Drive Single Stage Gas 208/230-1-60 Diagram



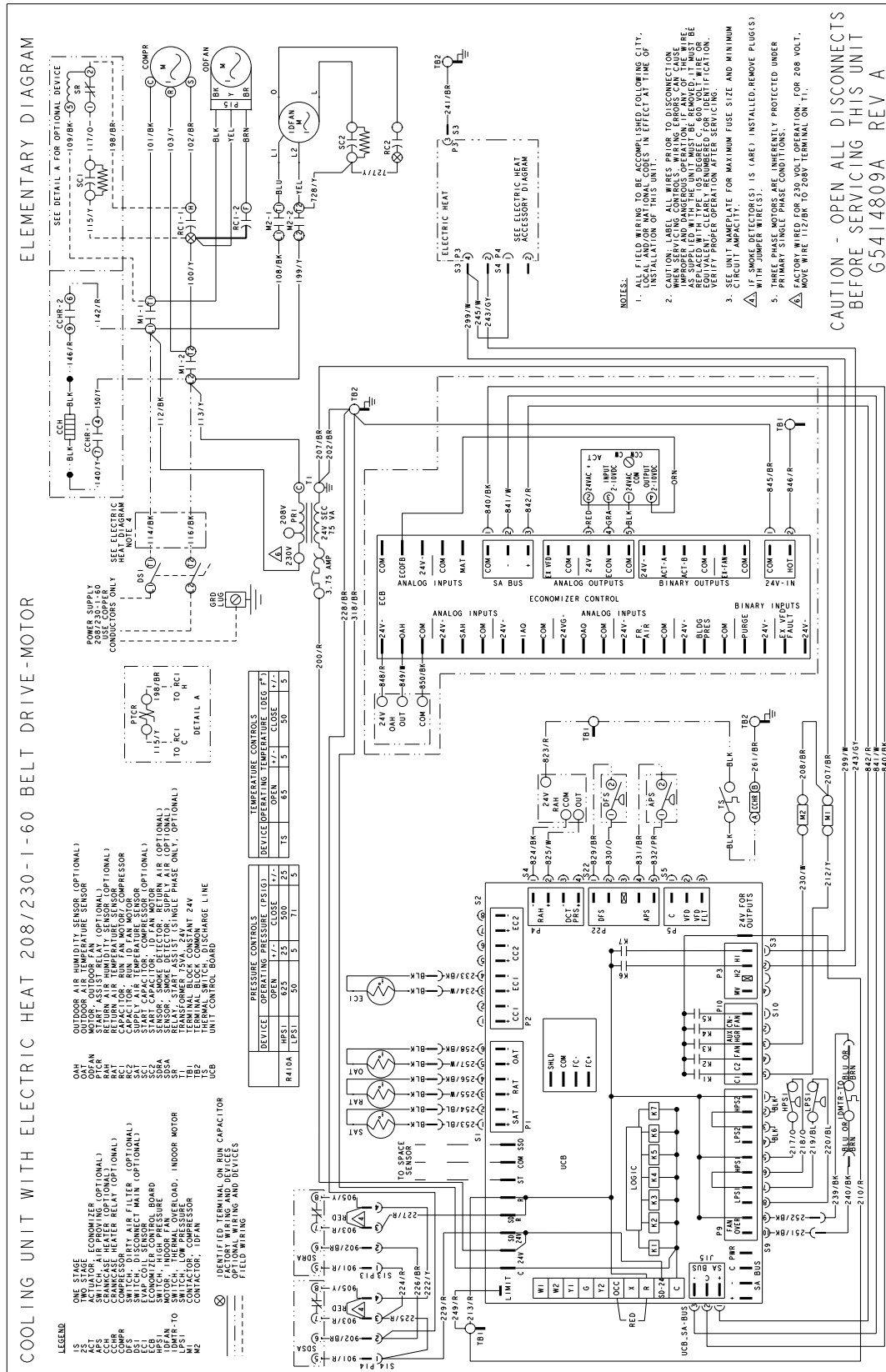
Typical ZE060 Belt Drive Two Stage Gas 575-3-60 Diagram



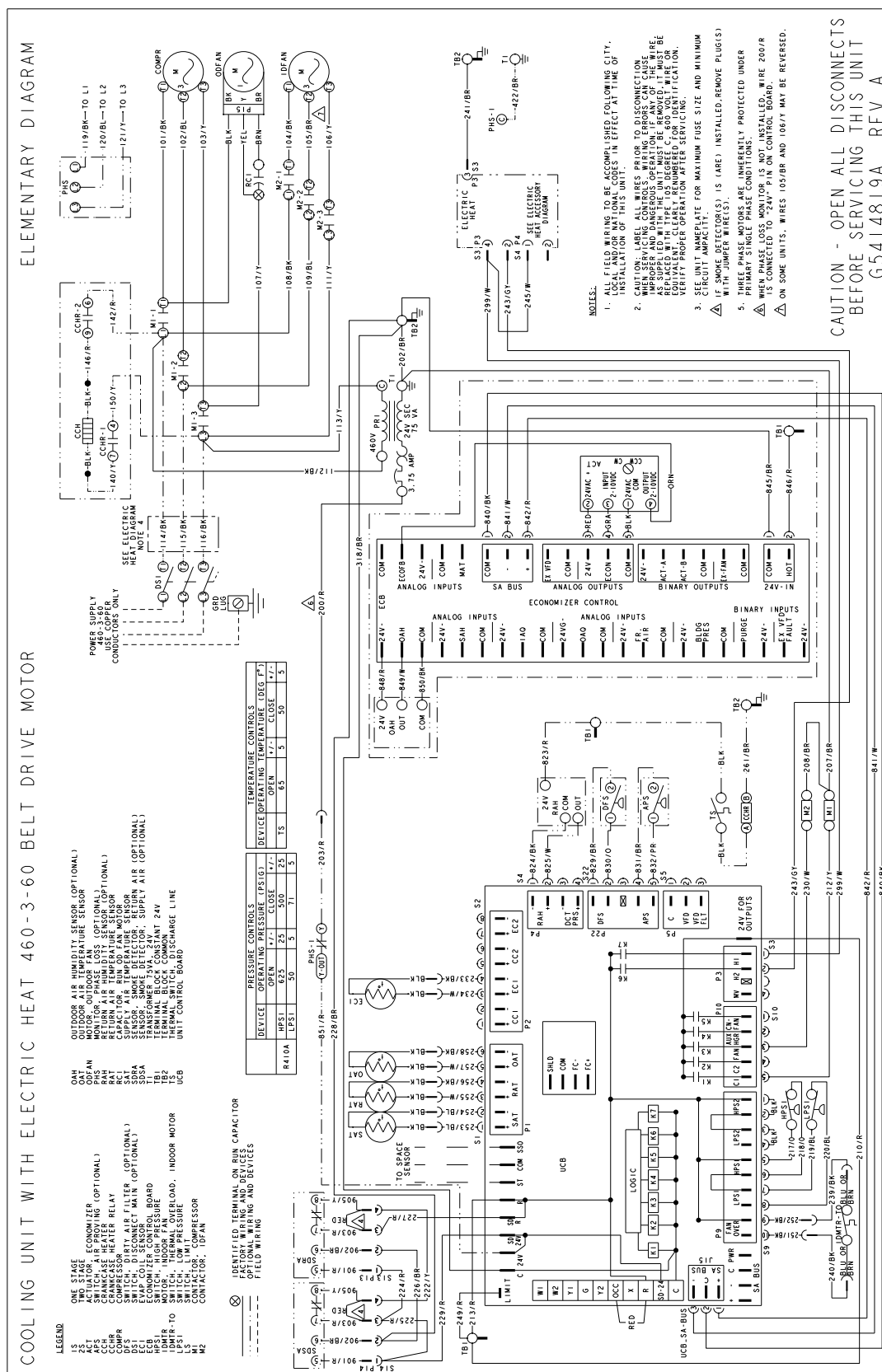
Typical ZE060 Direct Drive Two Stage Gas 208/230-3-60 Diagram



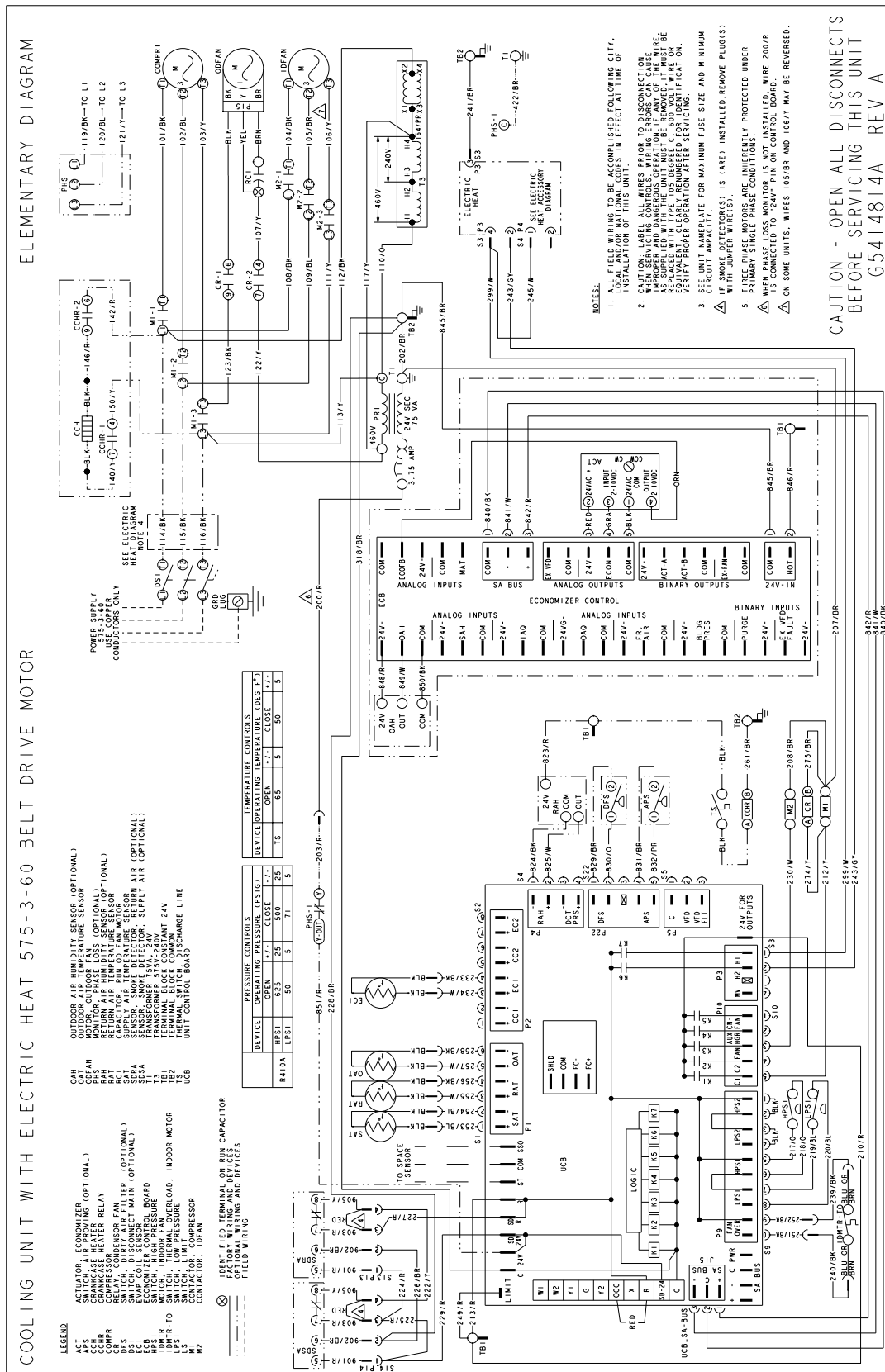
Typical ZE036-048 Belt Drive with Electric Heat 208/230-1-60 Diagram



Typical ZE036-048 Belt Drive with Electric Heat 460-3-60 Diagram

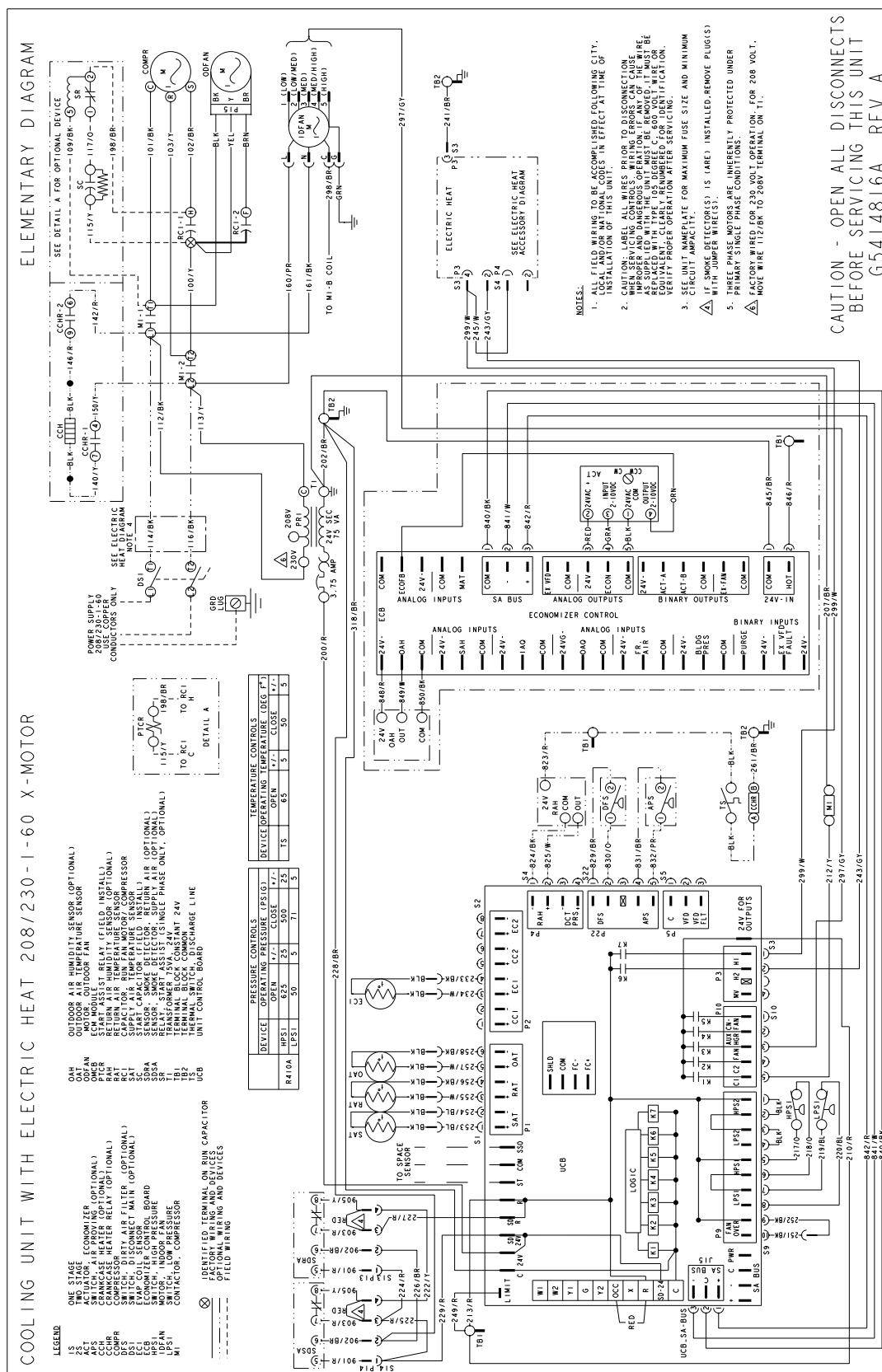


Typical ZE036-048 Belt Drive with Electric Heat 575-3-60 Diagram



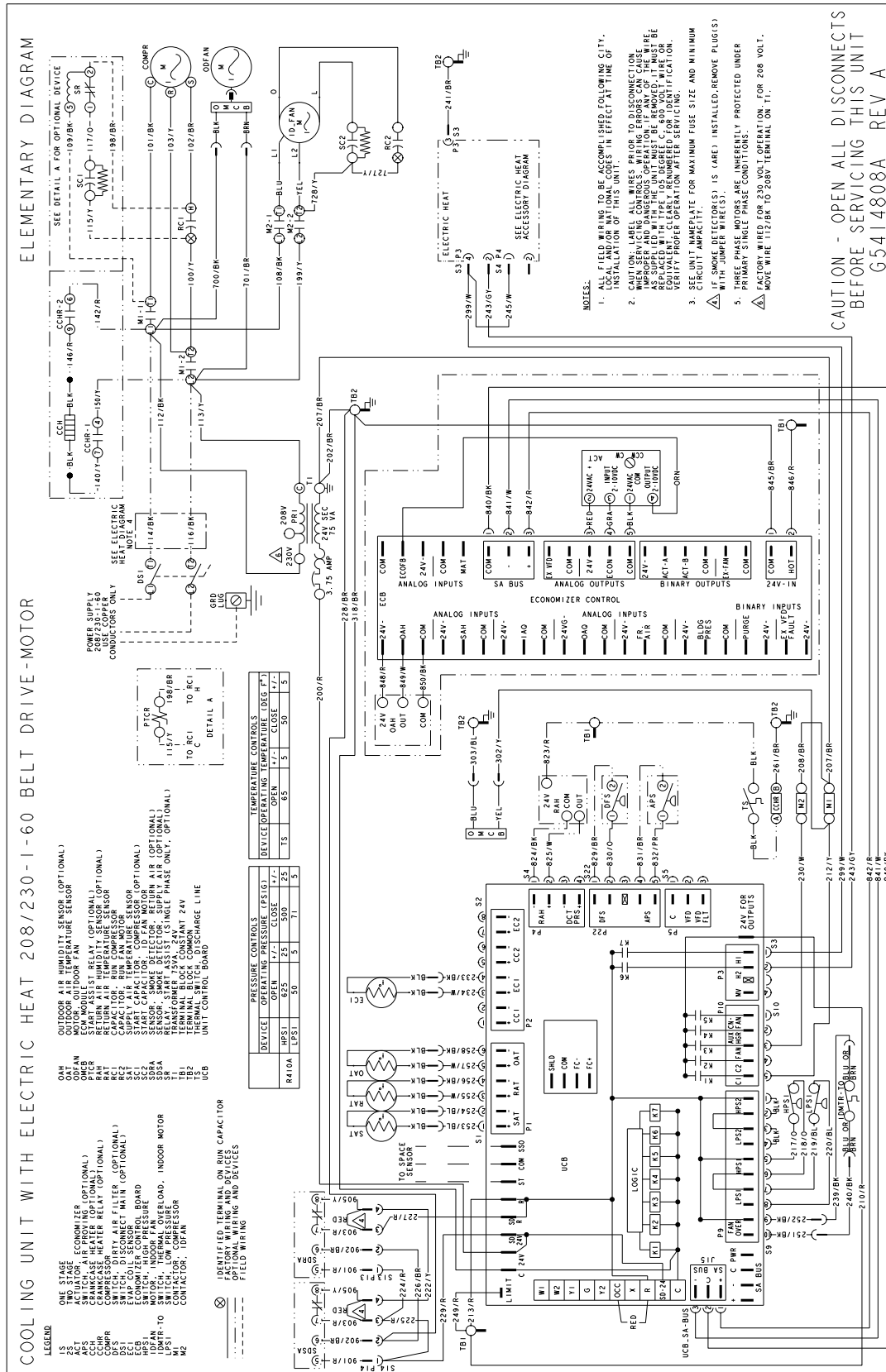
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Typical ZE036-048 Direct Drive with Electric Heat 208/230-1-60 Diagram

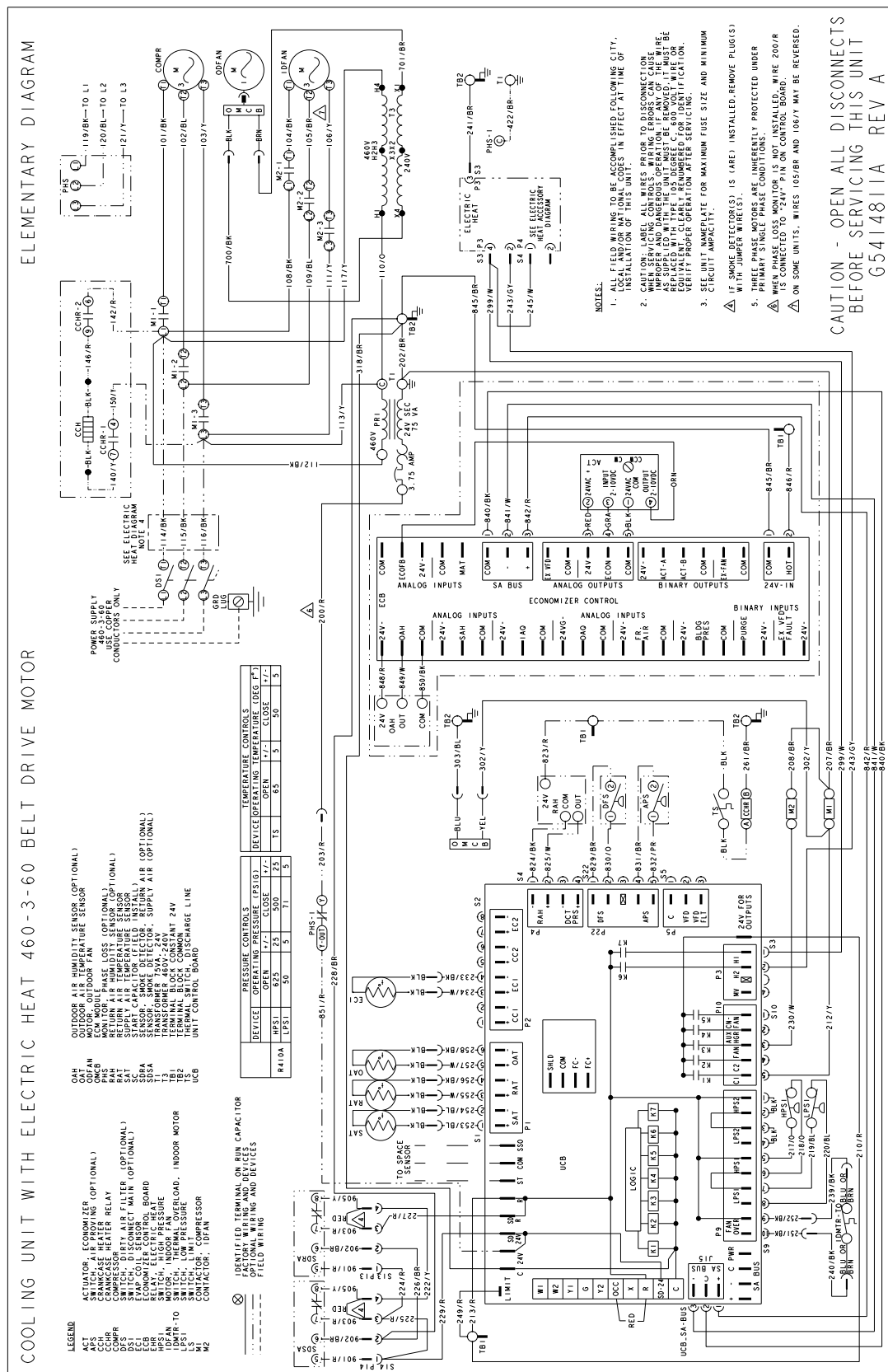


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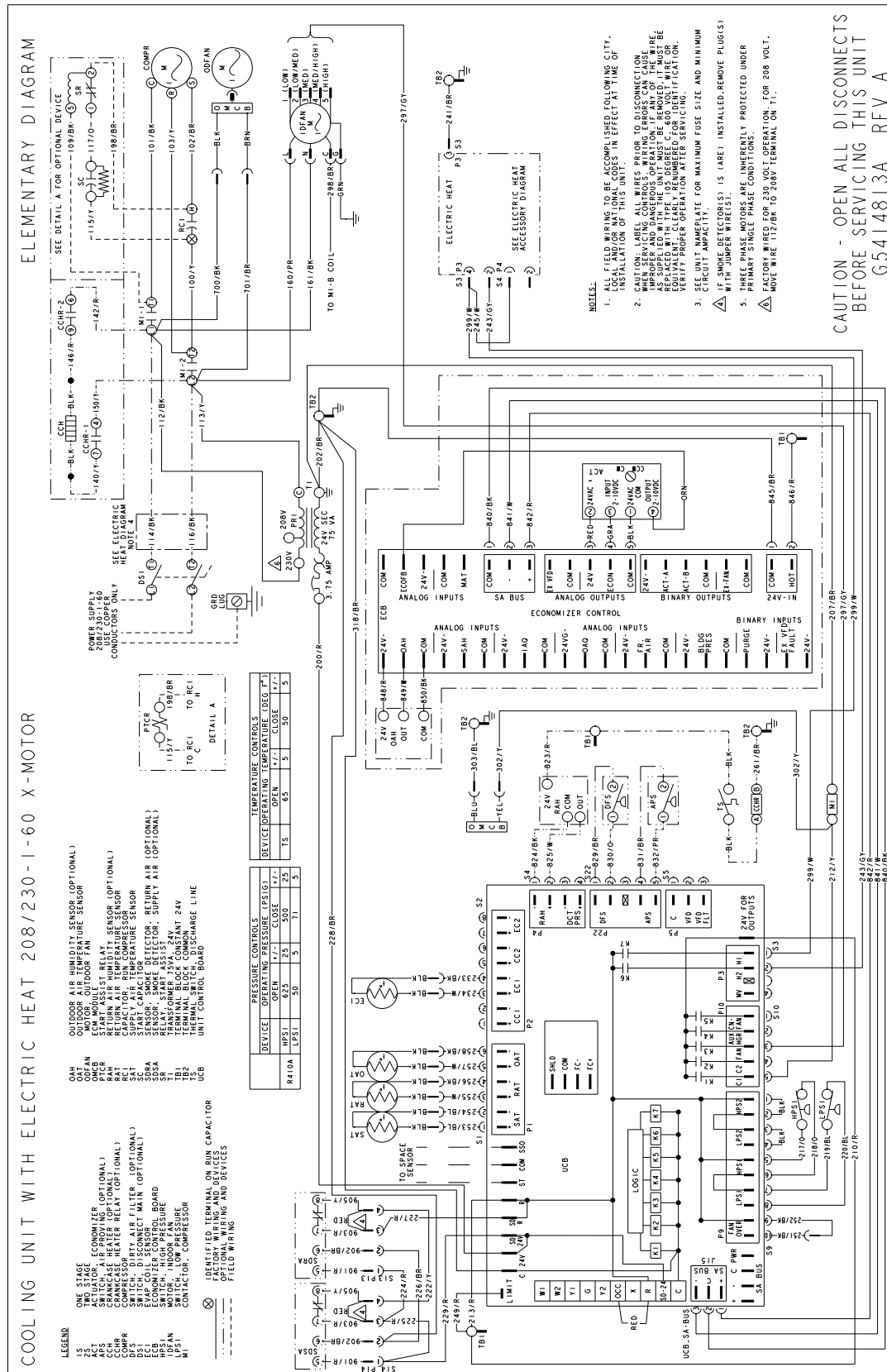
Typical ZE060 Belt Drive with Electric Heat 208/230-1-60 Diagram



Typical ZE060 Belt Drive with Electric Heat 460-3-60 Diagram

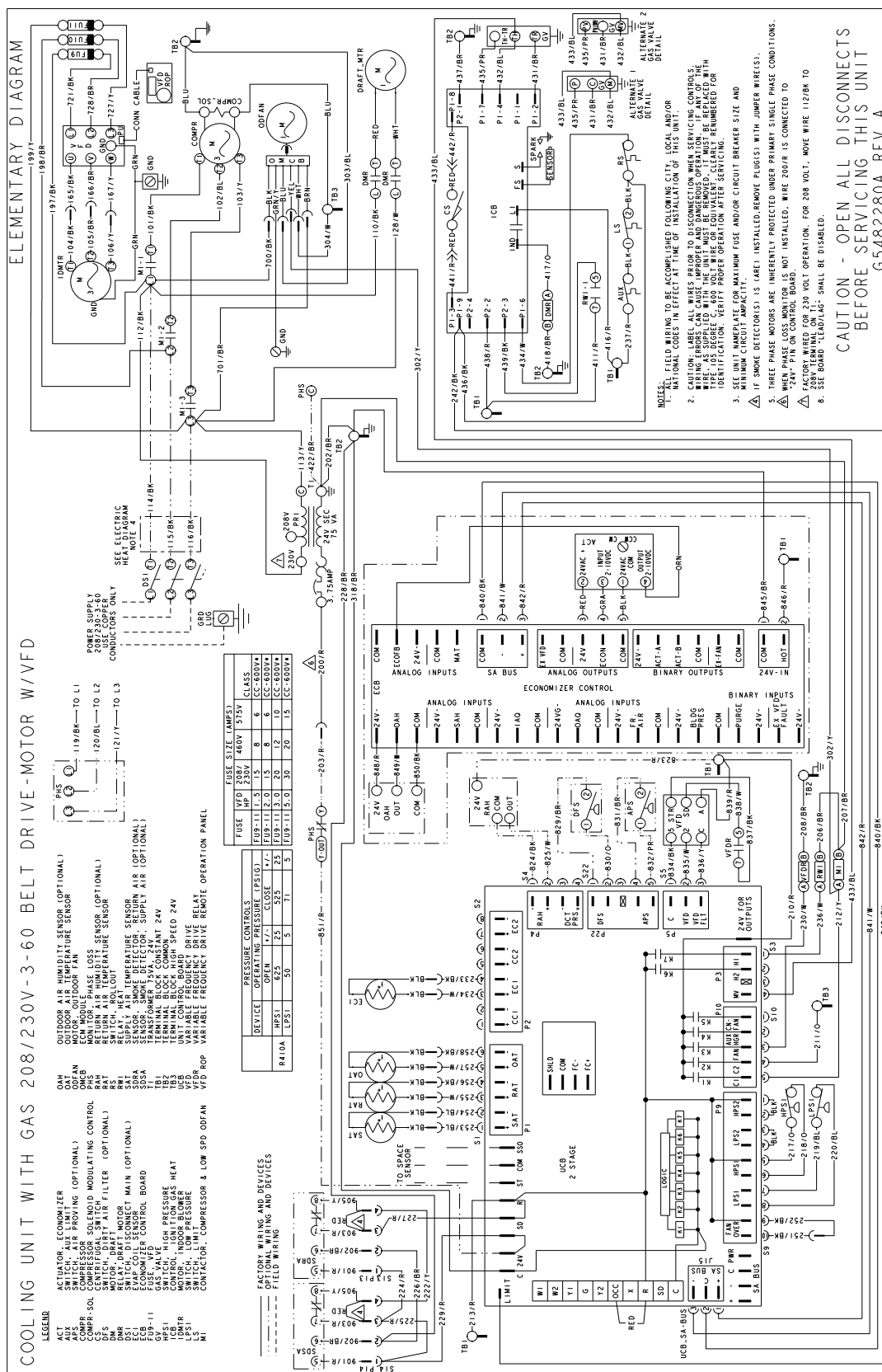


Typical ZE060 Direct Drive with Electric Heat 208/230-1-60 Diagram

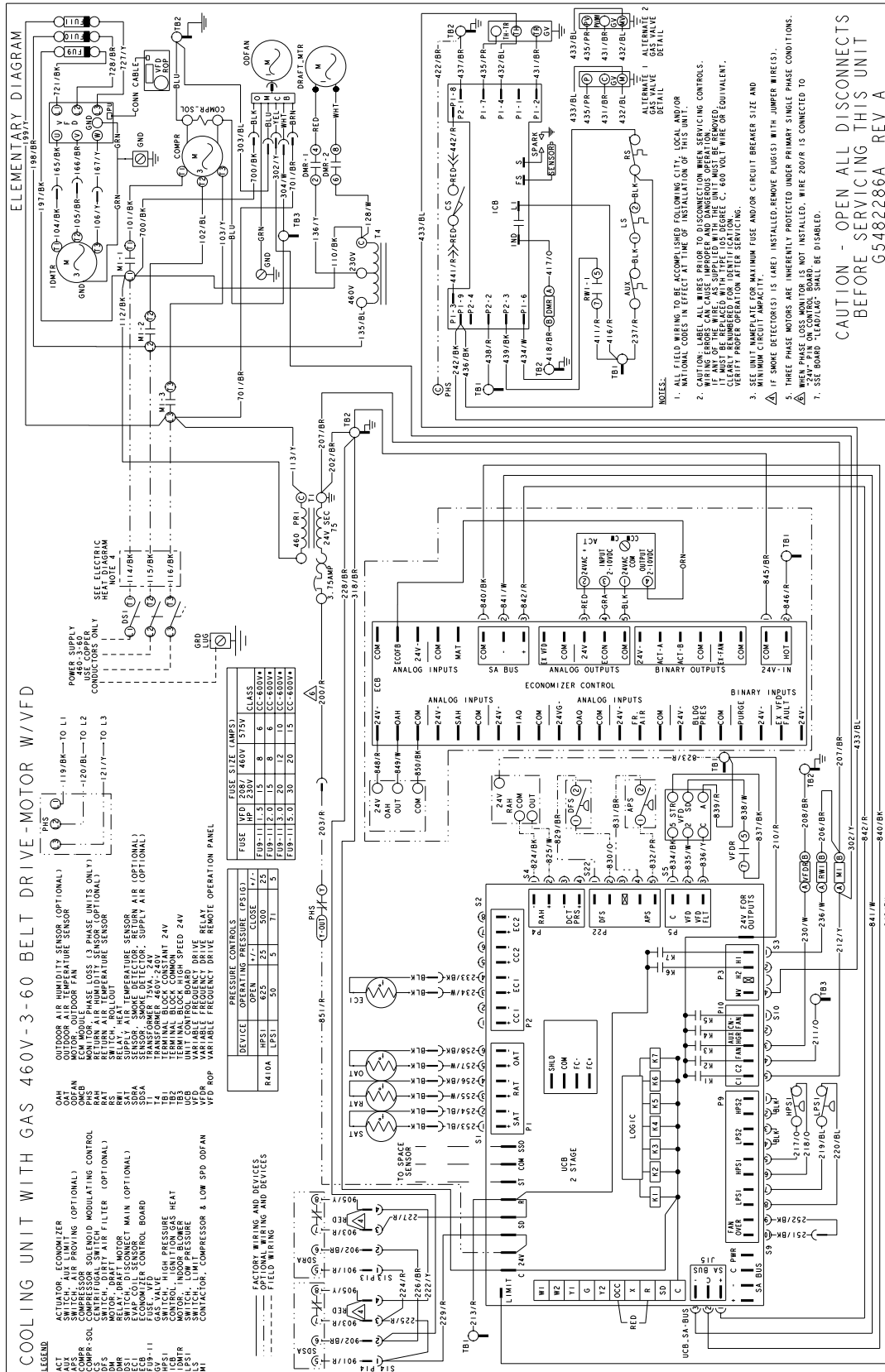


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Typical ZE072 Cooling Unit with Gas Heat 208/230V-3-60 Belt Drive - Motor with VFD

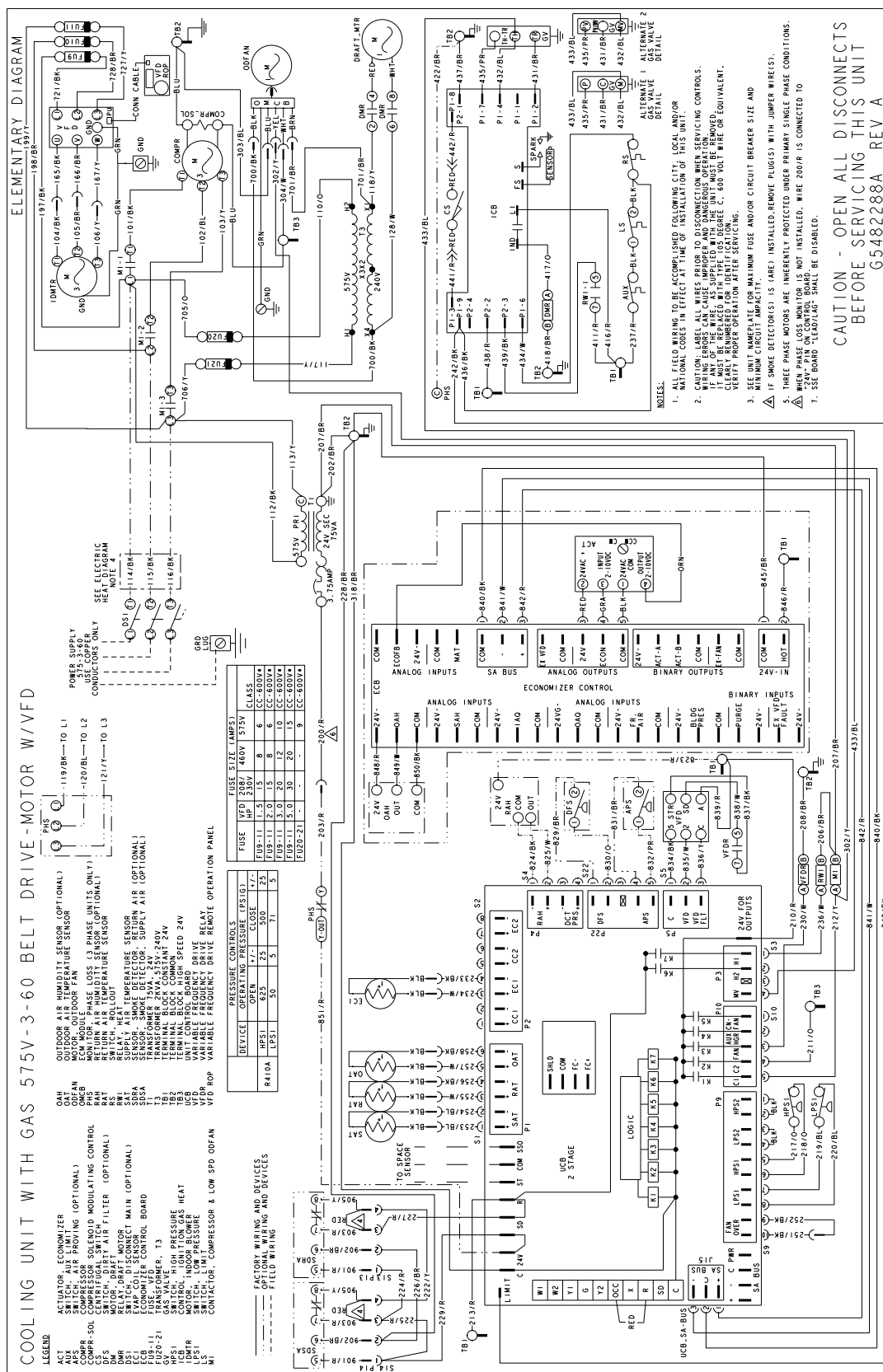


Typical ZE072 Cooling Unit with Gas Heat 460V-3-60 Belt Drive - Motor with VFD

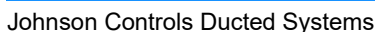


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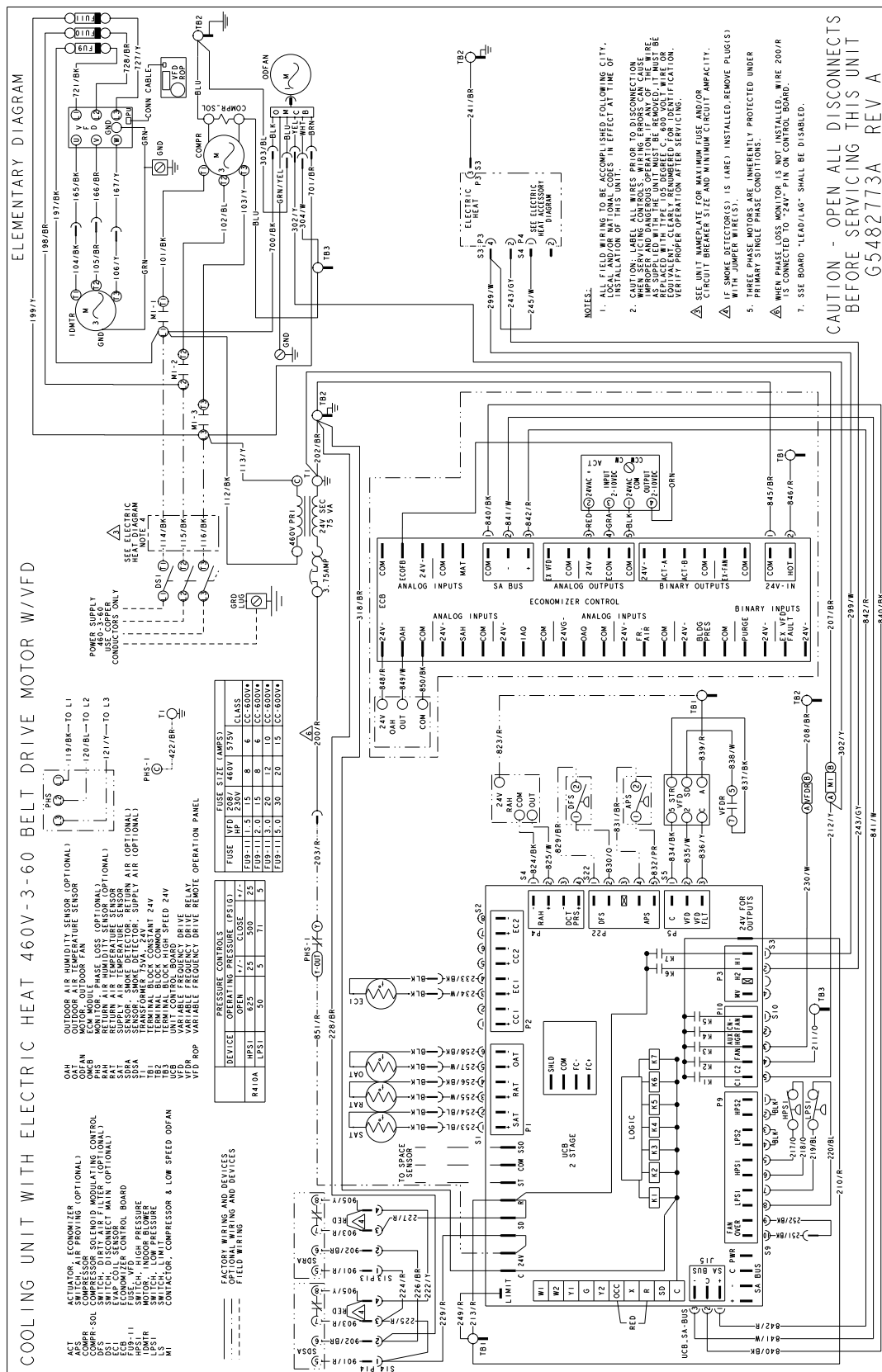
Typical ZE072 Cooling Unit with Gas Heat 575V-3-60 Belt Drive - Motor with VFD



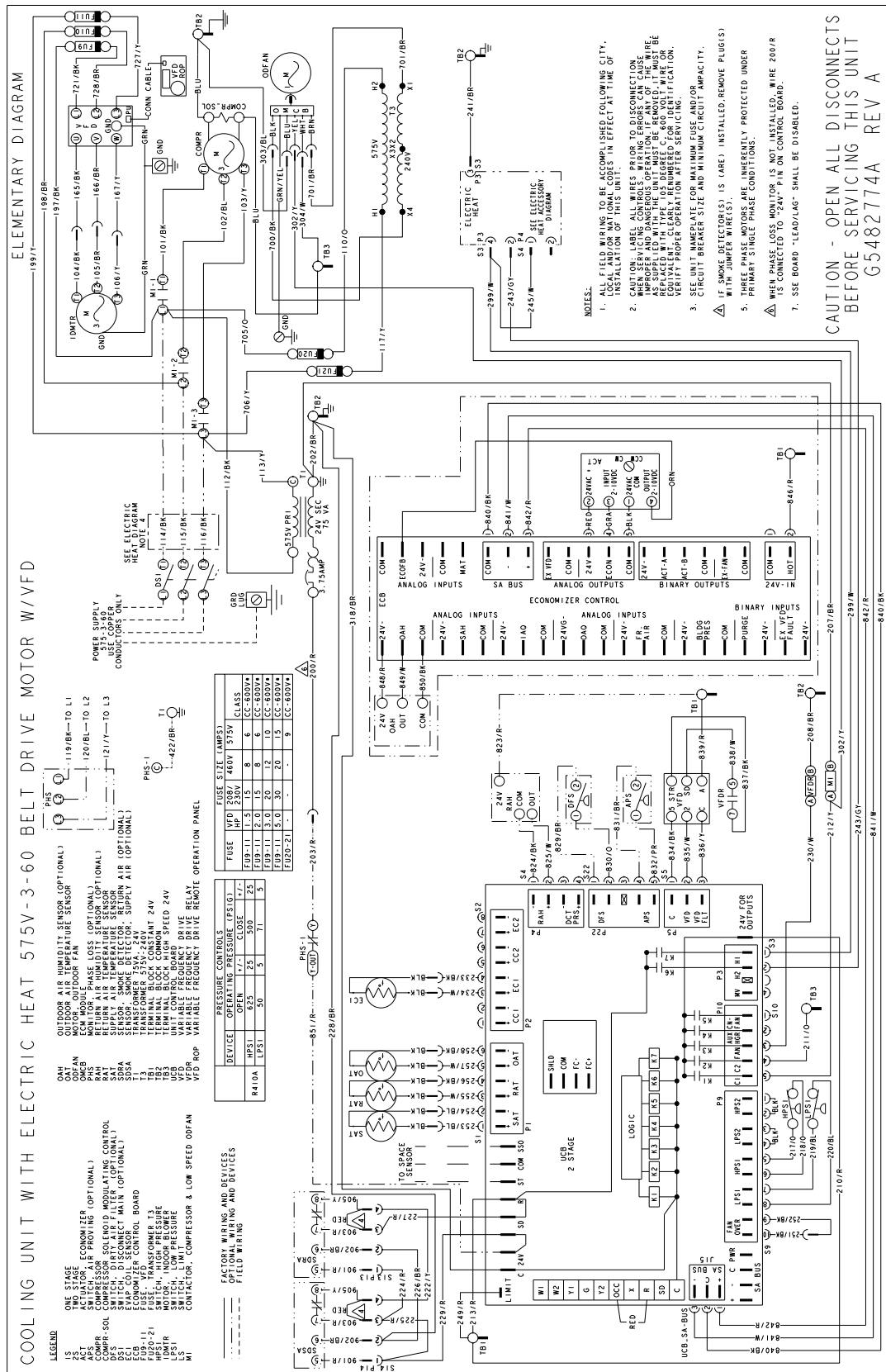
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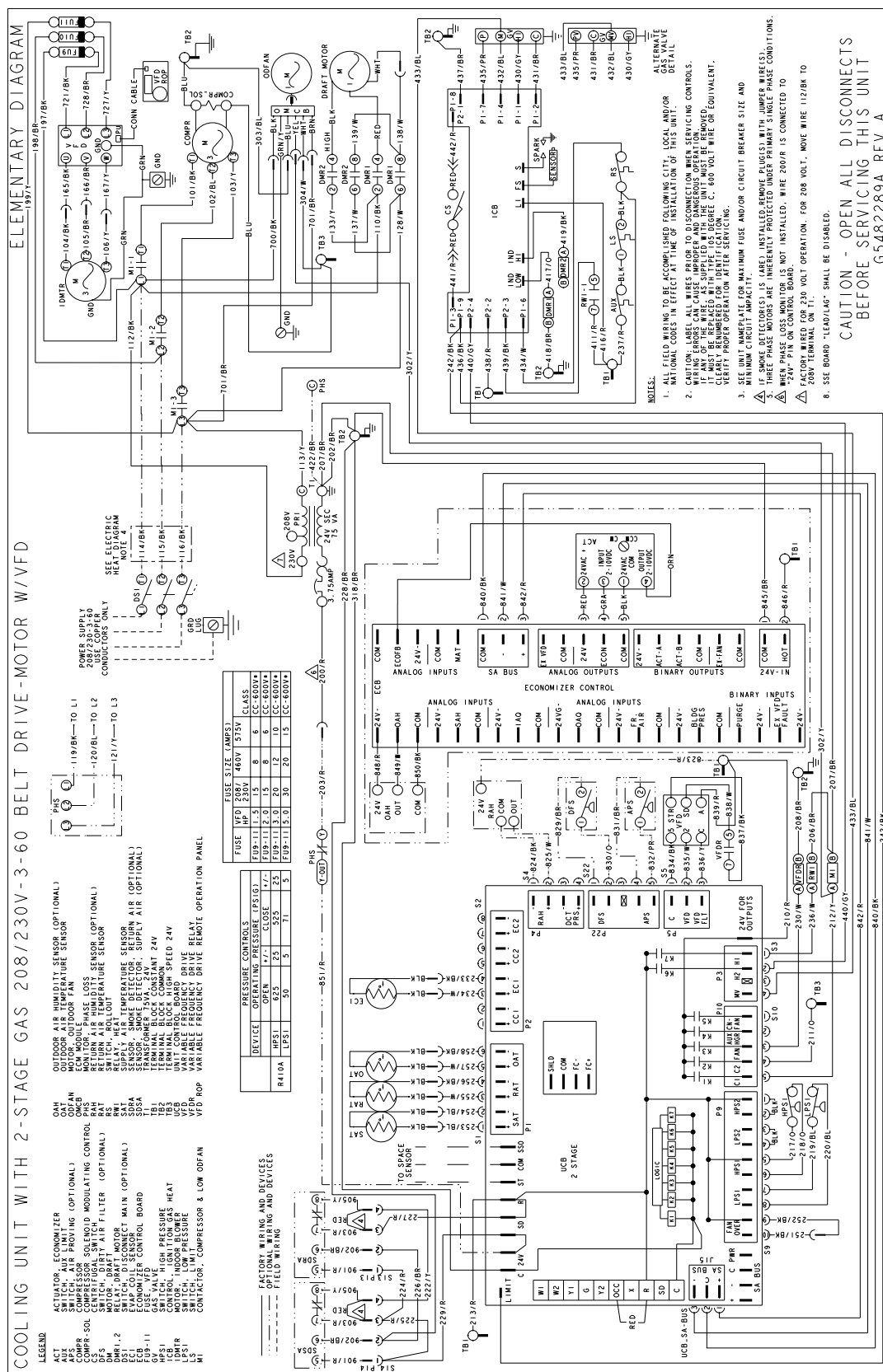
Typical ZE072 Cooling Unit with Electric Heat 460V-3-60 Belt Drive - Motor with VFD



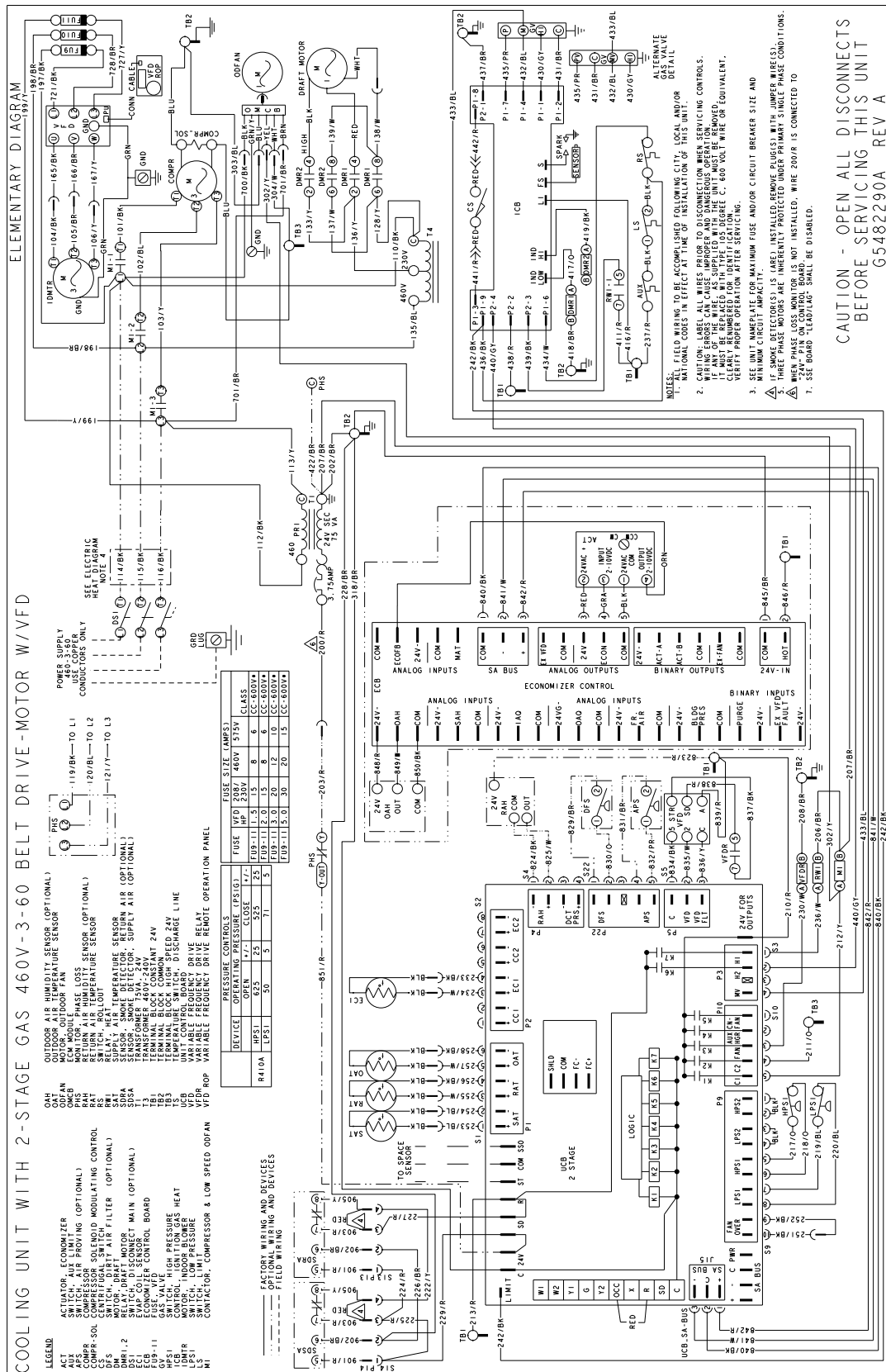
Typical ZE072 Cooling Unit with Electric Heat 575V-3-60 Belt Drive - Motor with VFD



Typical ZE072 Cooling Units with 2 Stage Gas Heat 208/230V-3-60 Belt Drive - Motor with VFD

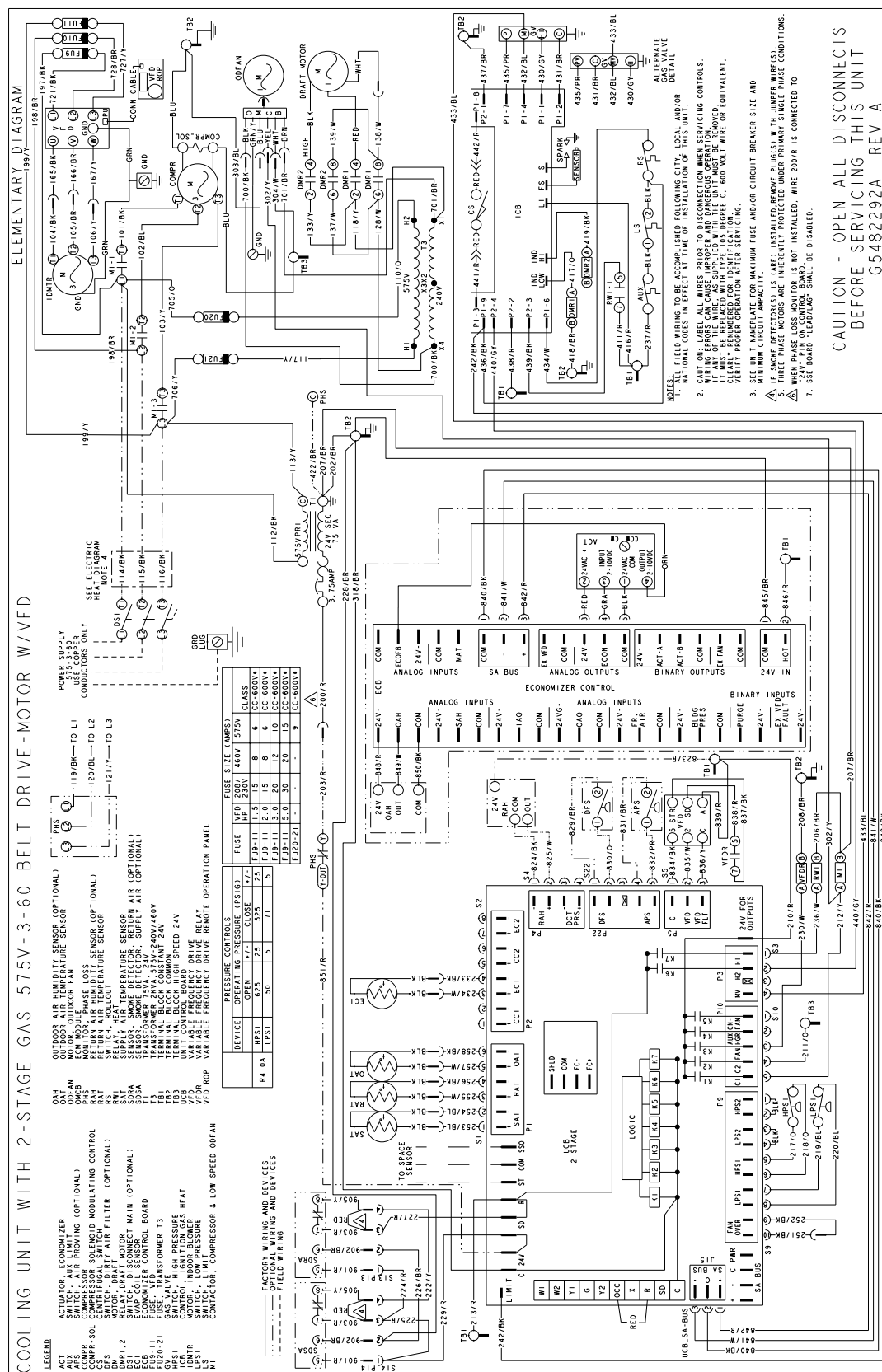


Typical ZE072 Cooling Units with 2 Stage Gas Heat 460V-3-60 Belt Drive - Motor with VFD

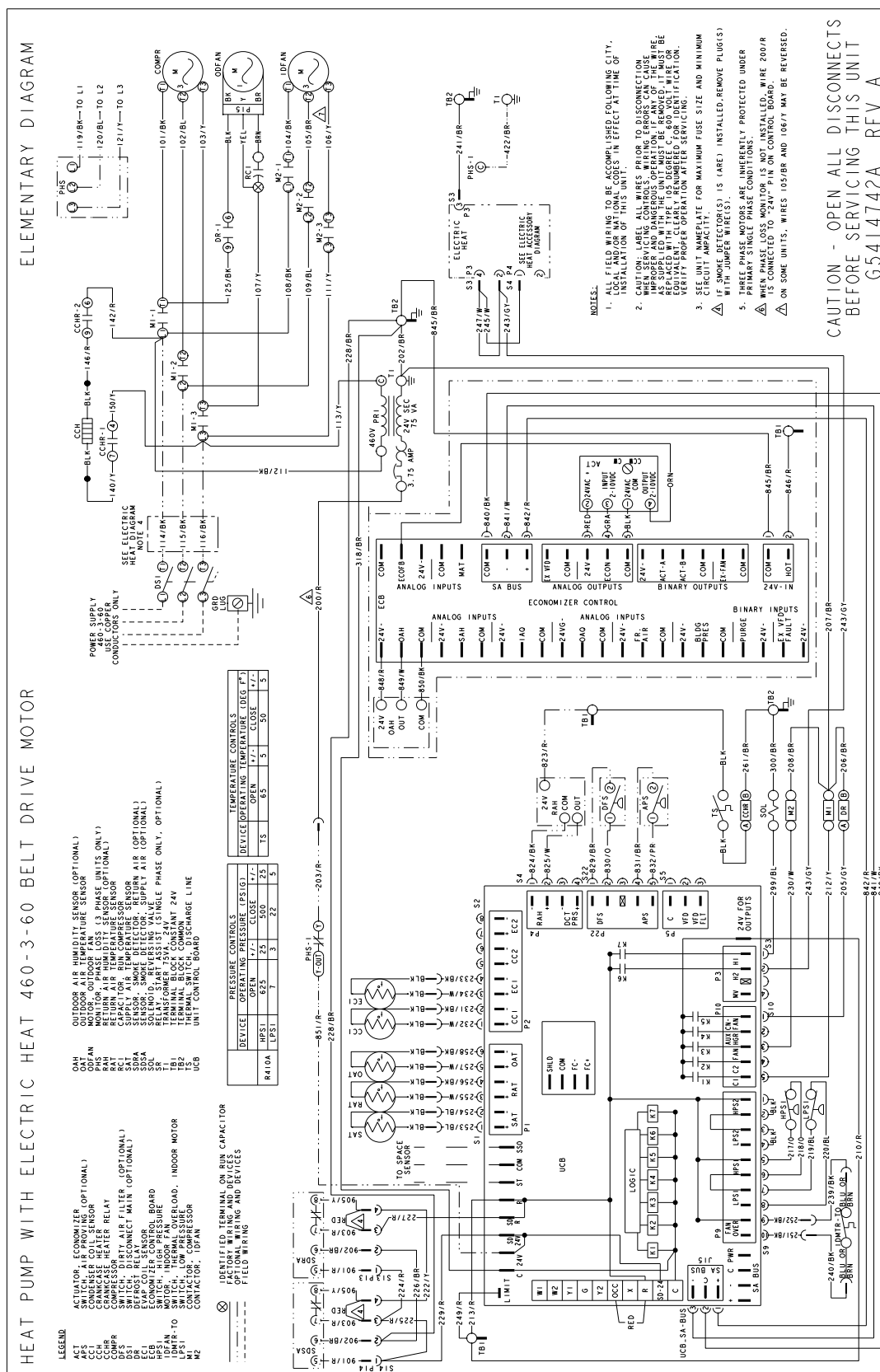


CAUTION - OPEN ALL DISCONNECTS
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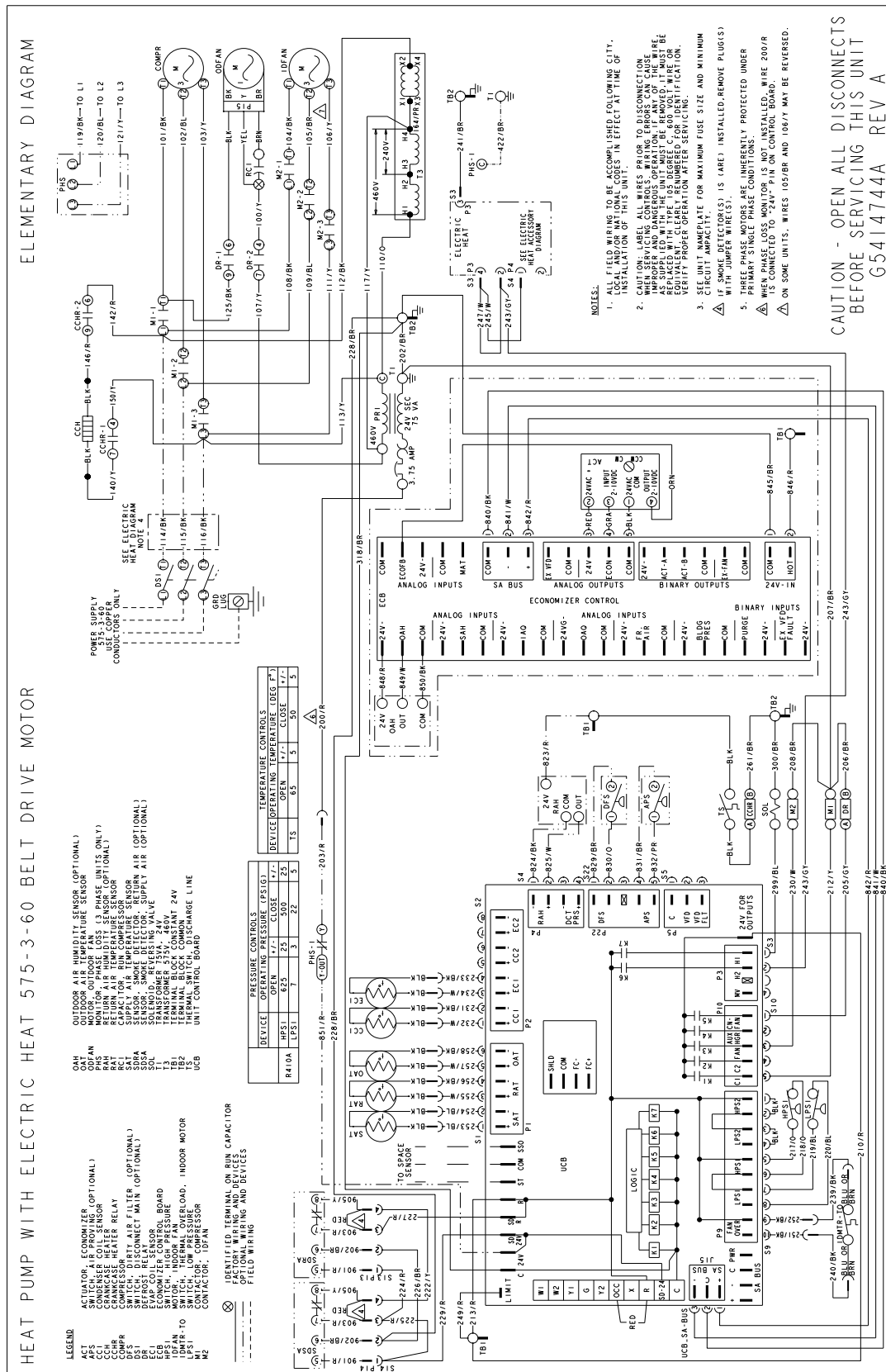
Johnson Controls Ducted Systems



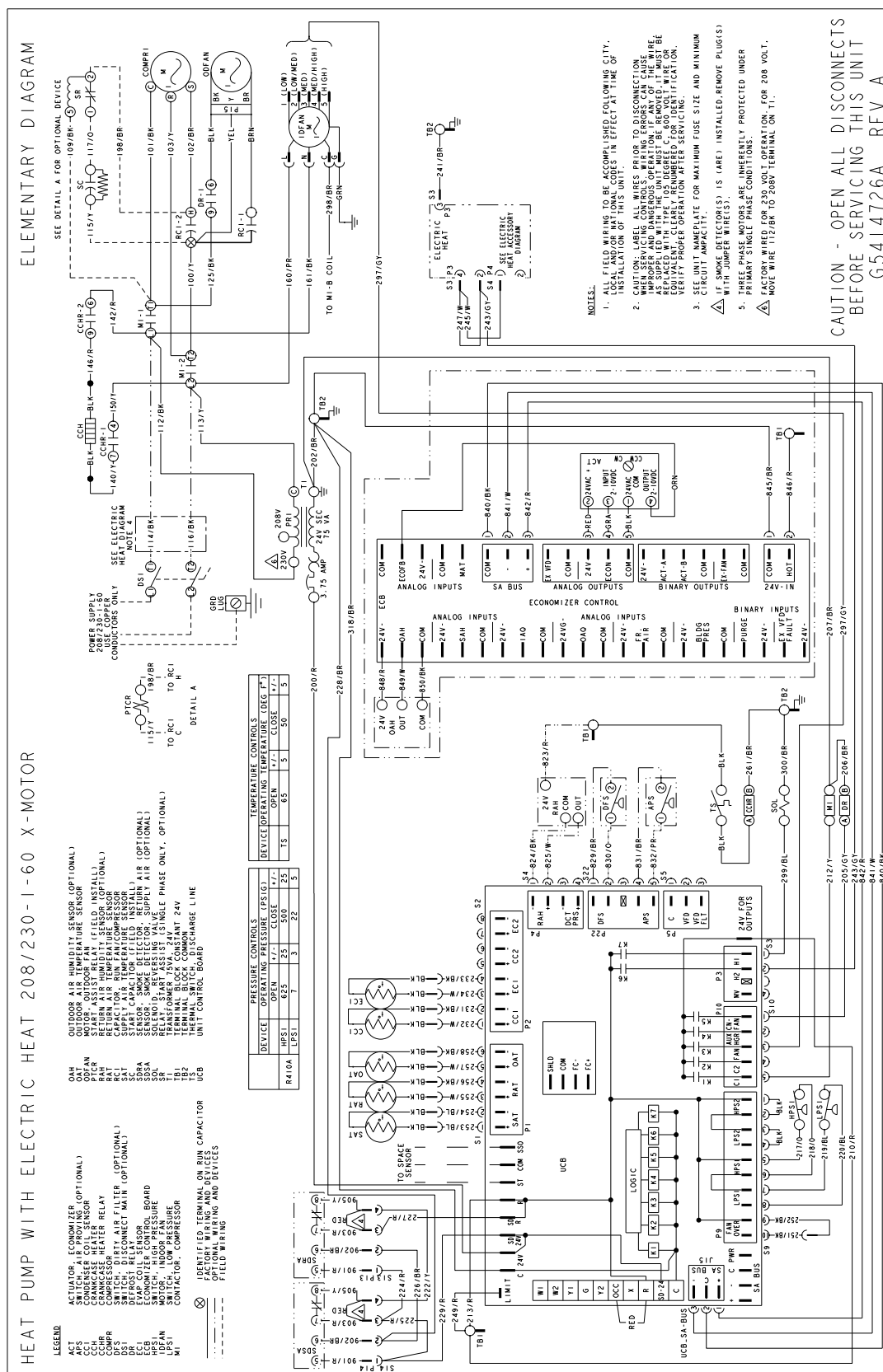
Typical XN036 Belt Drive with Electric Heat 460-3-60 Diagram



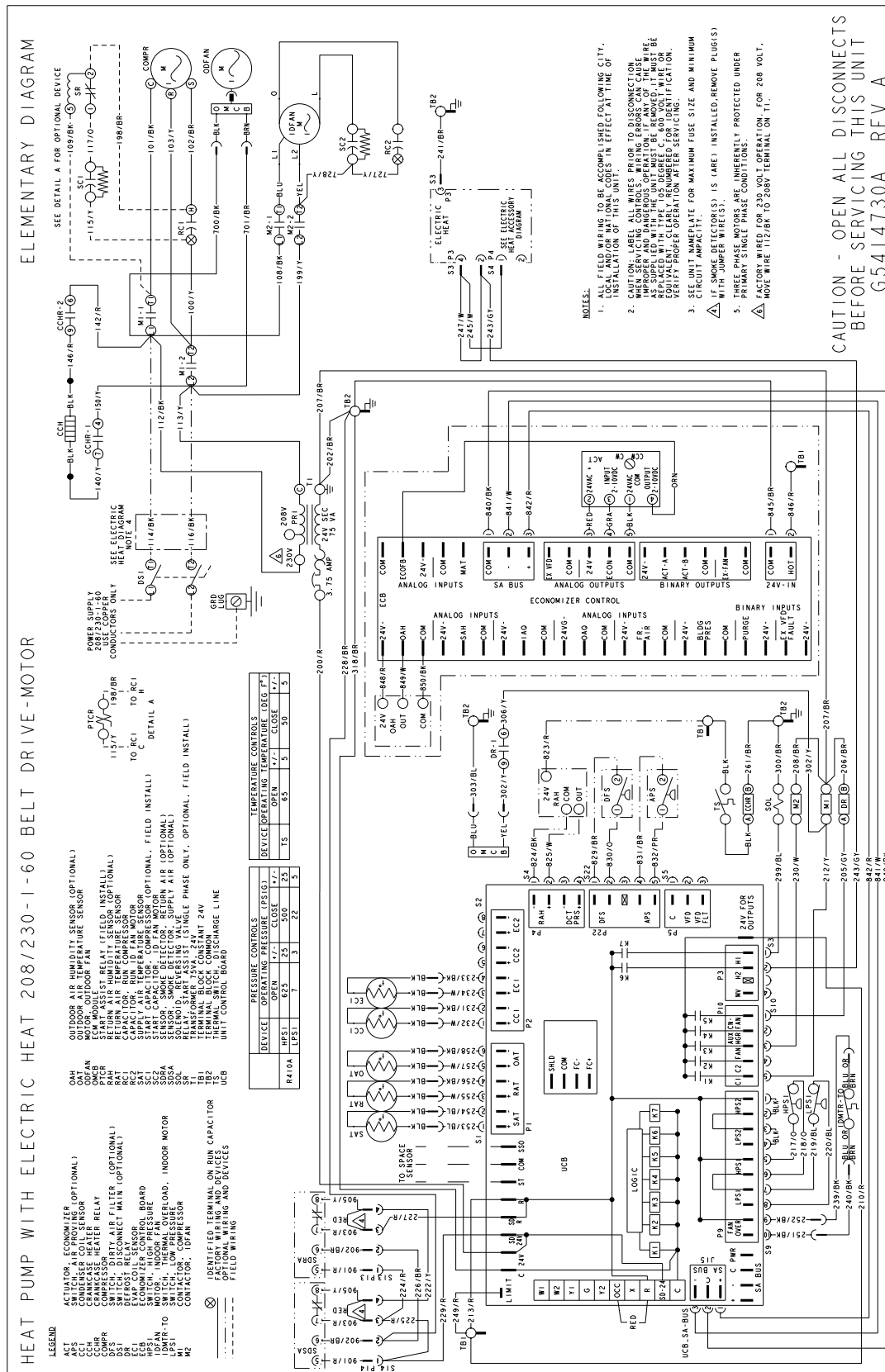
Typical XN036 Belt Drive with Electric Heat 575-3-60 Diagram



Typical XN036 Direct Drive with Electric Heat 208/230-1-60 Diagram

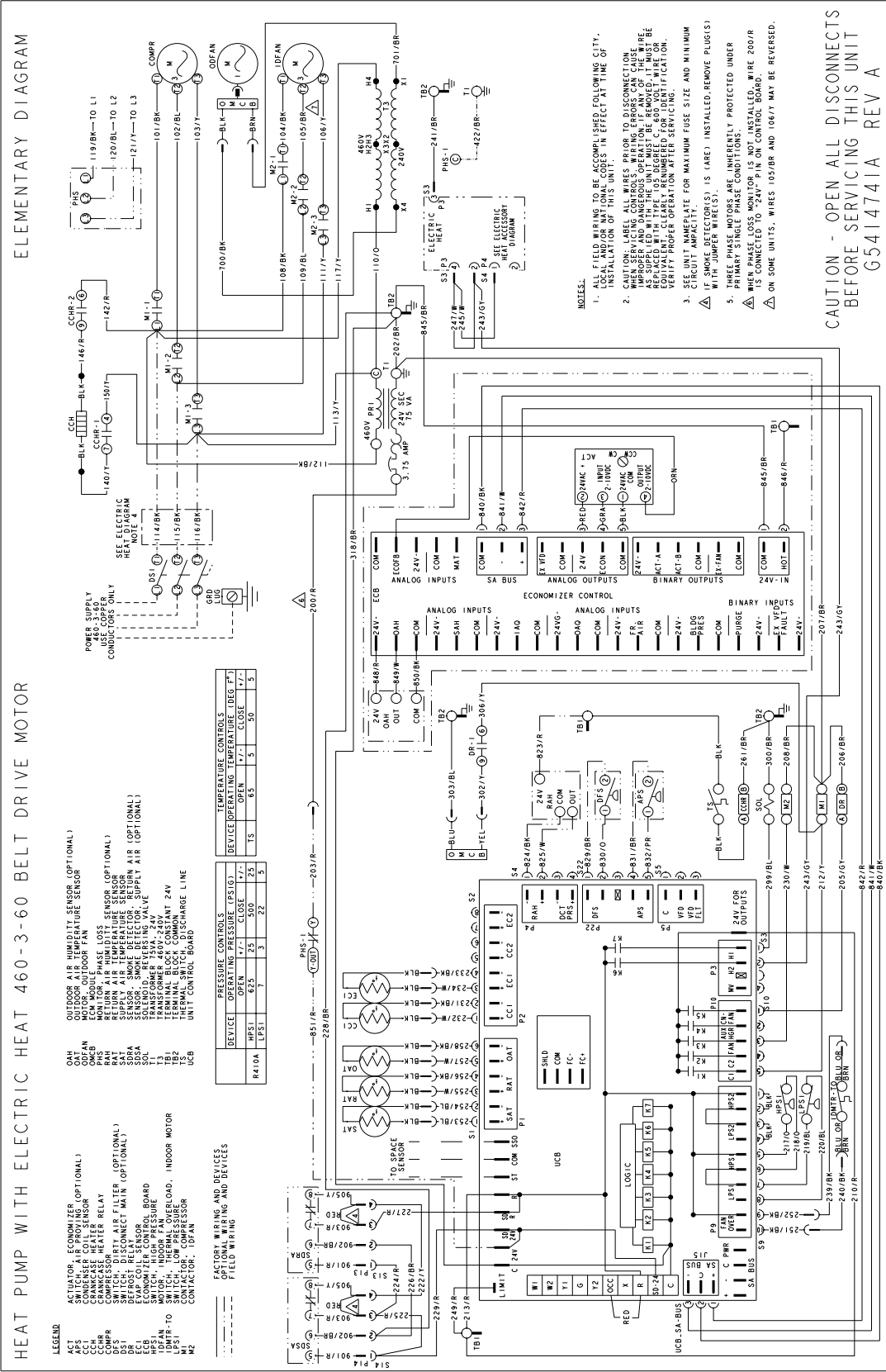


Typical XN048 Belt Drive with Electric Heat 208/230-1-60 Diagram

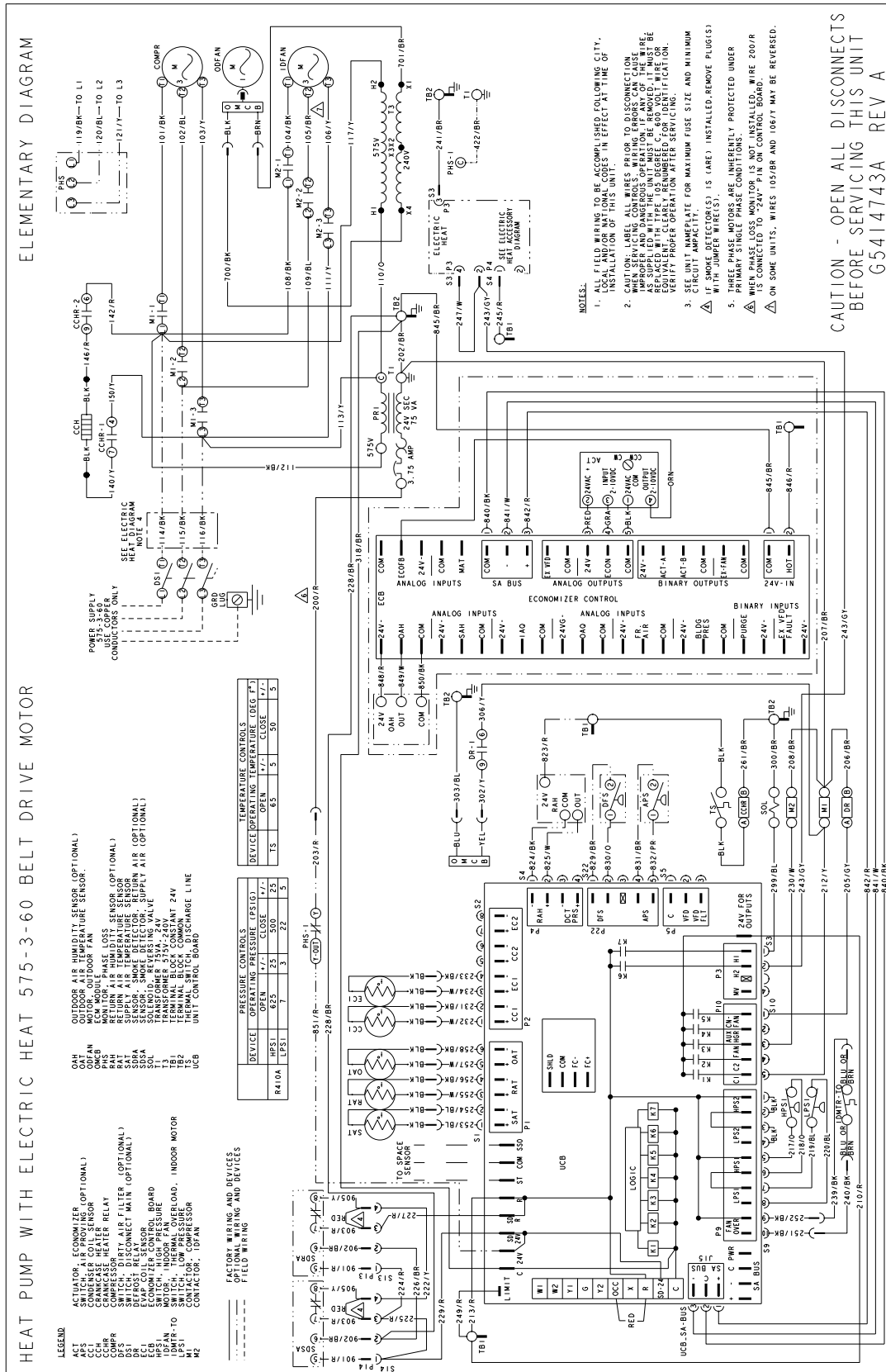


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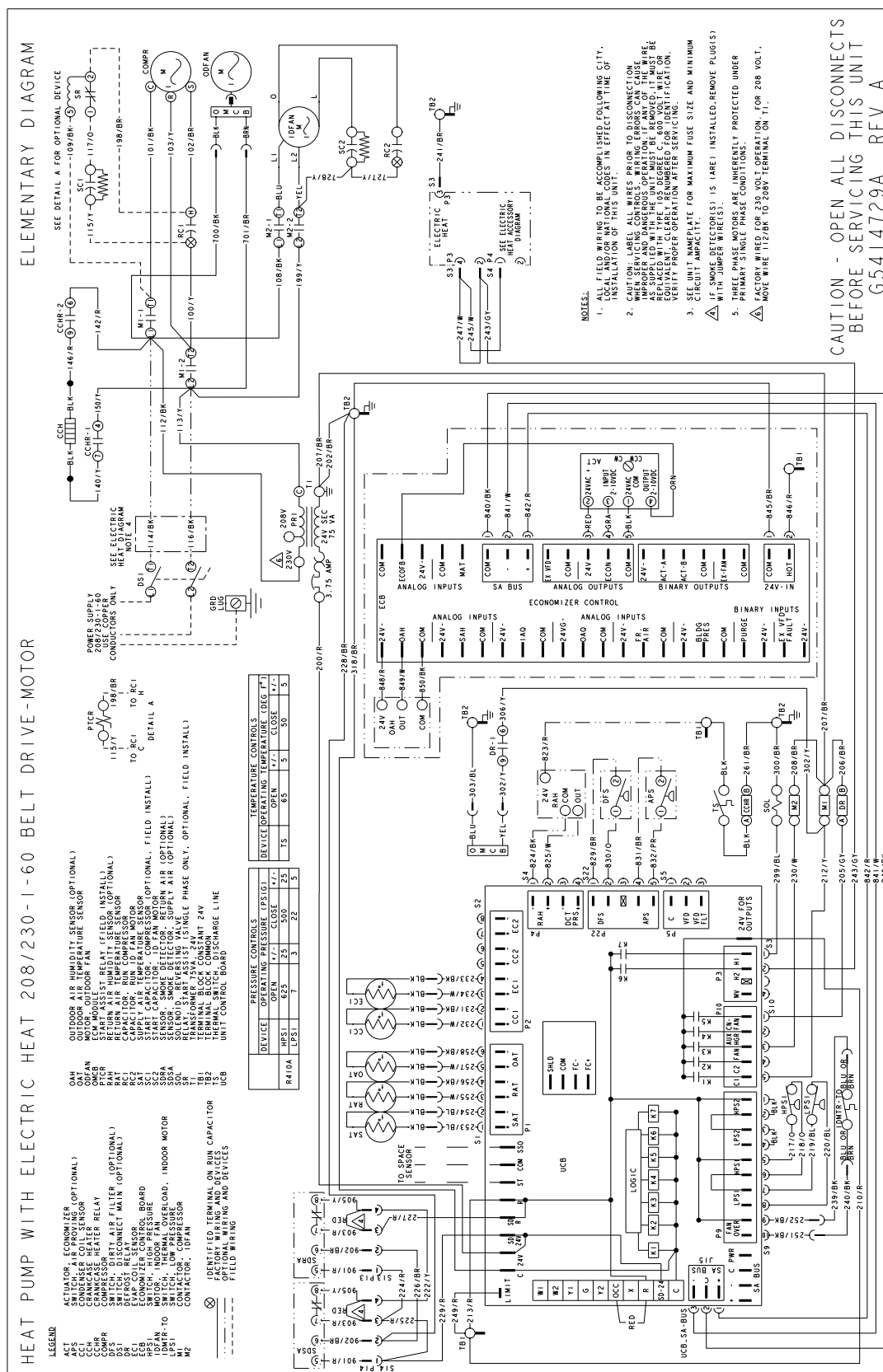
Typical XN048 Belt Drive with Electric Heat 460-3-60 Diagram



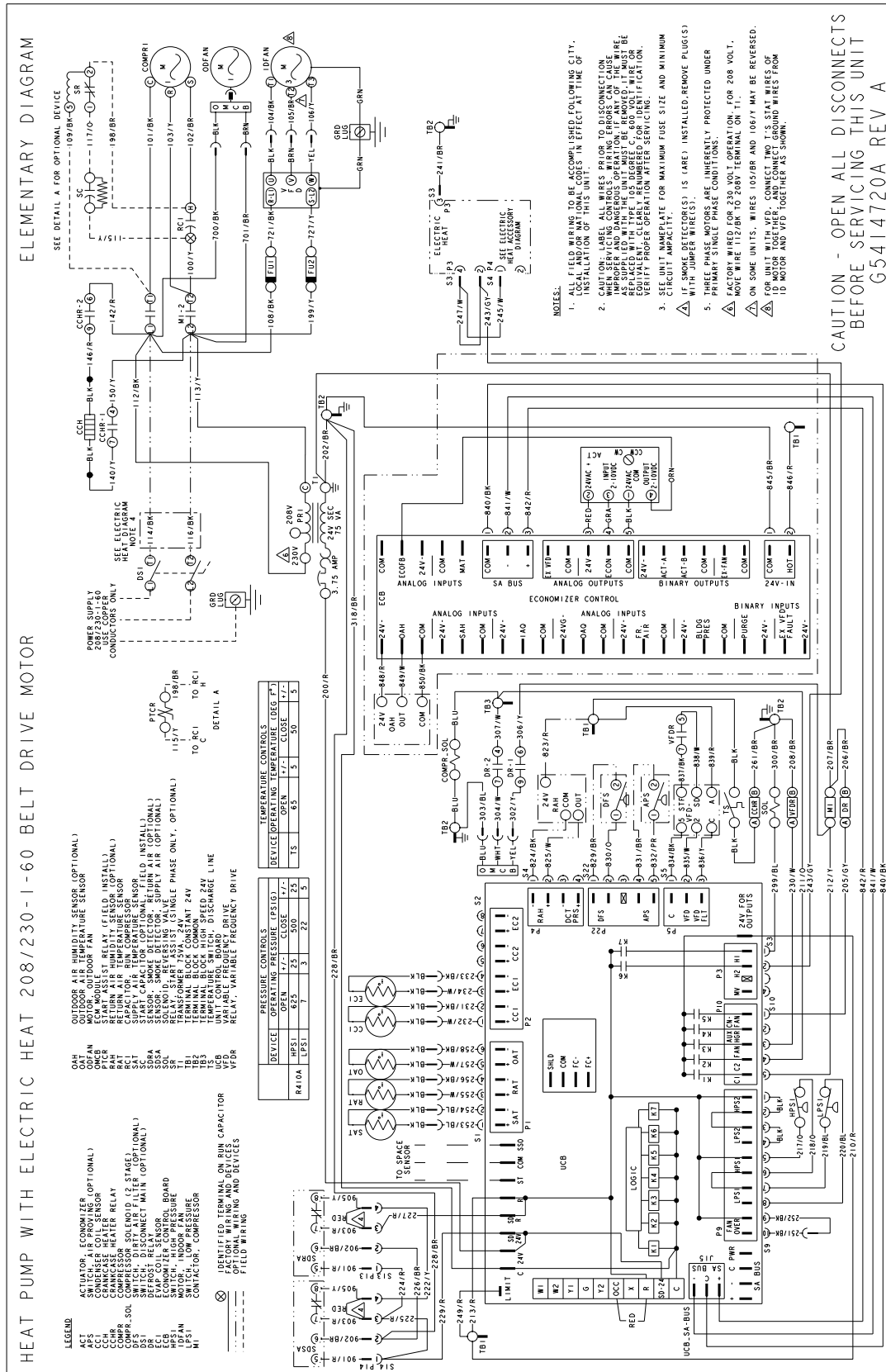
Typical XN048 Belt Drive with Electric Heat 575-3-60 Diagram



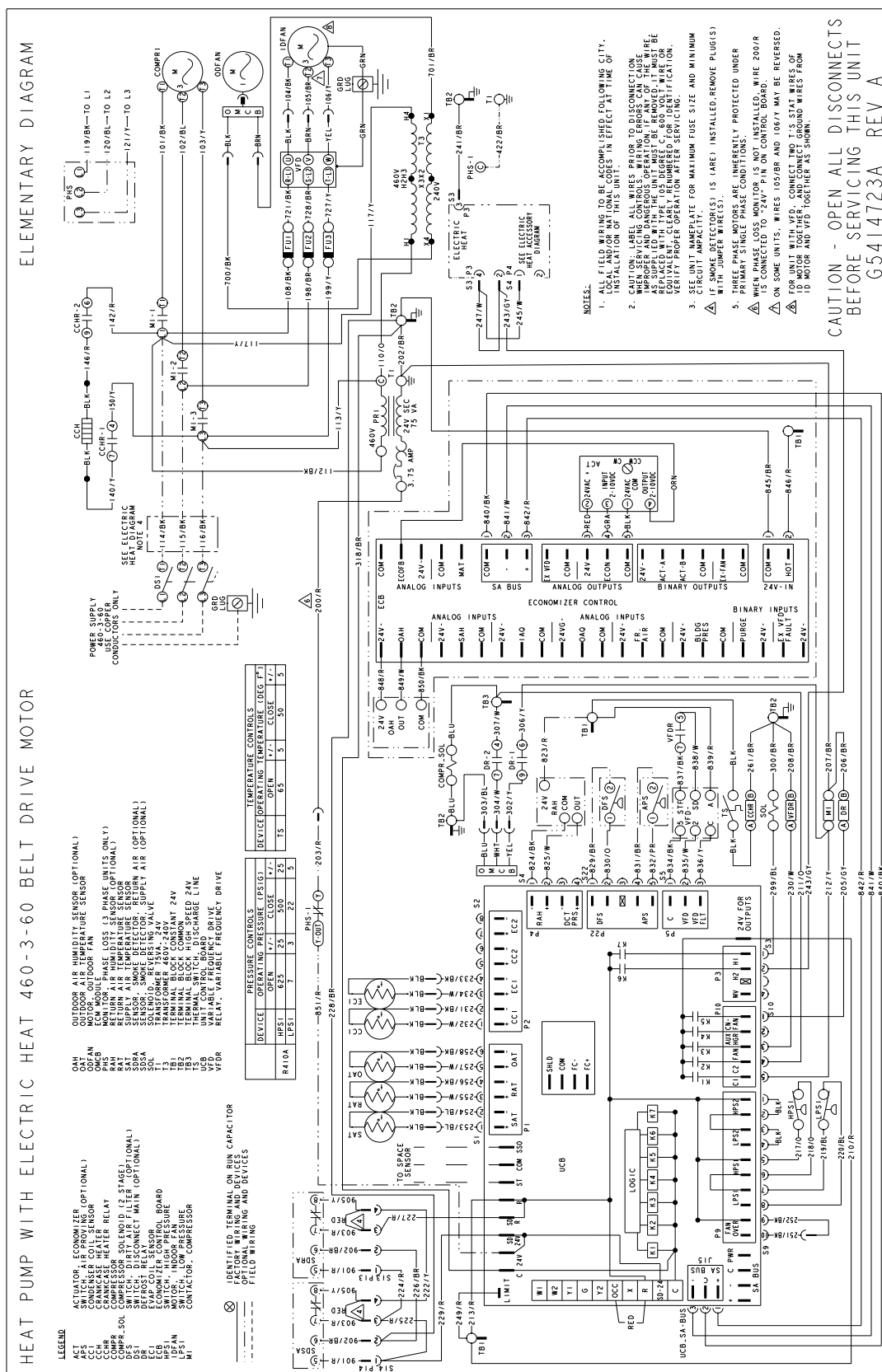
Typical XN048 Direct Drive with Electric Heat 208/230-1-60 Diagram



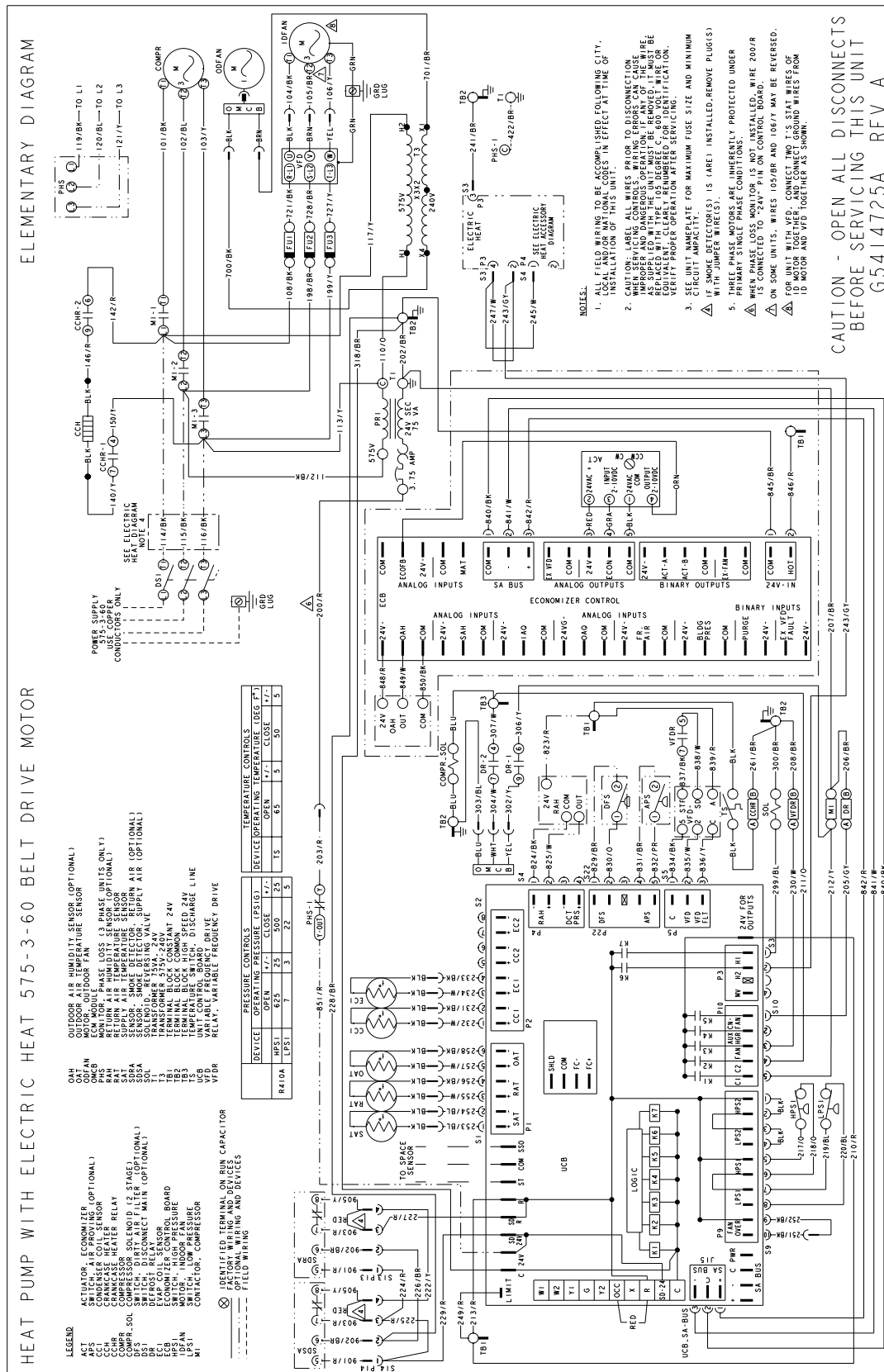
Typical XN060 Belt Drive with Electric Heat 208/230-1-60 Diagram



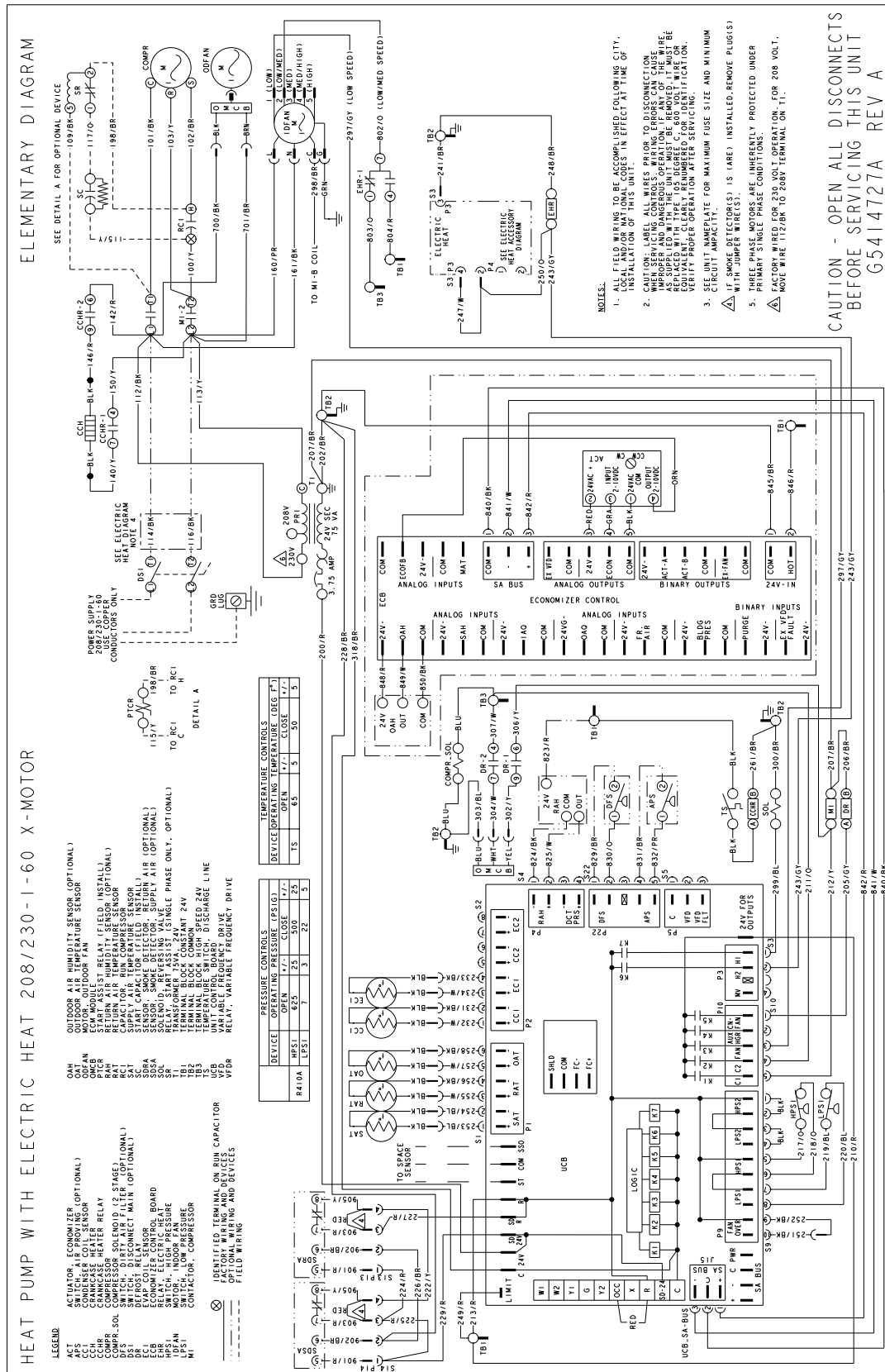
Typical XN060 Belt Drive with Electric Heat 460-3-60 Diagram



Typical XN060 Belt Drive with Electric Heat 575-3-60 Diagram



Typical XN060 Direct Drive with Electric Heat 208/230-1-60 Diagram



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