COMBITHERM® TECHNICAL SERVICE MANUAL

CT PROformance™

CTP6-10E, CTP6-10G
CTP10-10E, CTP10-10G
CTP7-20E, CTP7-20G
CTP10-20E, CTP10-20G
CTP20-10E, CTP20-10G
CTP20-20E, CTP20-20G

CT Classic™

CTC6-10E, CTC6-10G
CTC10-10E, CTC10-10G
CTC7-20E, CTC7-20G
CTC10-20E, CTC10-20G
CTC20-10E, CTC20-10G
CTC20-20E, CTC20-20G

ALTO-SHAAM®

W164 N9221 Water Street • P.O. Box 450 • Menomonee Falls, Wisconsin 53052-0450 • U.S.A.
PHONE: 262.251.3800 800.558.8744 U.S.A./CANADA FAX: 262.251.7067 800.329.8744 U.S.A. ONLY
www.alto-shaam.com

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How to Use this Technical Service Manual

This manual has been compiled as a complete resource for a technician working on Combitherm CT series models. It includes necessary product information and drawings, along with helpful troubleshooting procedures.

Introduction gives a quick overview of the Combitherm CT series to aid in model identification.

Sections A through I contain information applying to all CT PROformance™ and CT Classic™ models:

- **CONTROL PANEL IDENTIFICATION** includes information on using the controllers and operating instructions. It is the same material supplied to the customer.
- **PREVENTIVE MAINTENANCE** includes procedures for cleaning. This information is also supplied to the customer.
- **SERVICE MODE AND ERROR CODES** explains the special programming available to you as a technician to view status, make adjustments and test functions on models equipped with CT PROformance and CT Classic Controllers. Information is also included on the use of displayed error codes to resolve problems and on the functions that can be operated under fault conditions.
- **TROUBLESHOOTING TREES** are provided for the most common conditions you will be required to address.
- **COMBITHERM PARTS** has drawings and lists of available parts that are common to all electric models.

Section I contains Wiring Diagrams that is specific to each model.

Navigation

Starting with the Main Table of Contents on the following page, you may click on any item that has a page number and quickly jump to the information you need.

Printing

You may print the Current Page or any range of pages. Here's a tip: Because printers vary in their capacity to handle large drawings, make a test print of one of the Wiring Diagrams before printing the model's section.

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INTRODUCTION

MODEL NUMBERS

This manual covers the following CT series models:

Control Type		Boiler-Free Models	Steam Generator Models
CTP	CT PROformance™ with PROtouch™ control	6-10E, 6-10G 10-10E, 10-10G 7-20E, 7-20G 10-20E, 10-20G 20-10E, 20-10G 20-20E, 20-20G	6-10EB 10-10EB 7-20EB 10-20EB 20-10EB 20-20EB
CTC	CT Classic with simple manual control		

FEATURES AND OPTIONS

- Recessed Door is available on all models.
- Smoker Mode is available on all CTP models.
- Boiler option is available on electric models only.

CONTROL IDENTIFICATION

CT PROformance™

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CT PROFORMANCE™ INTRODUCTION

ECOSMART® TECHNOLOGY

The Alto-Shaam Combitherm combination oven/steamer employs Ecosmart operating efficiencies in the design and application of all operating and programming functions. Ecosmart operational characteristics include the use of a water barrier to close the oven compartment to the outside air. While maintaining a non-pressurized atmosphere, the primary purpose of the Ecosmart system is to prevent the steam and heat generated within the oven compartment from freely escaping to the outside.

The Ecosmart design displaces the air within the cooking compartment and achieves a higher level of steam saturation that offers quick-steaming at temperatures above 212°F (100°C).

This guide is provided as an operational aid with step-by-step instructions of the basic functions of the Combitherm oven, along with the many other additional features of the control.

PROTOUCH™ CONTROL

The Combitherm PROtouch control features a simple, graphics-based control panel that commands all the oven functions. Access your titled recipes. Manual cooking by time and temperature also are easily accomplished.

Intuitive interface - The Alto-Shaam PROtouch offers a simple interface that commands all of the Combitherm's cooking functions. As the name implies, it is fully operable by touch.

Graphic controls - The highly visual graphic-based control with logical procedures ensure that correct steps are followed every time.

An excellent memory - Access an unlimited number of programmed titled recipes that you've customized. Each recipe can have up to 10 sequential steps.

HACCP data access - CT PROformance™ ovens include a downloadable HACCP function.

Absolute Humidity Control™ - provides 0-100% humidity levels allowing more control over the ideal cooking environment and product finish [PATENT PENDING].

STEAM MODE

COMBINATION MODE

CONVECTION MODE

RETHERM MODE

Superior baking - The five-speed fan provides consistent baking results. A moisture injection feature provides perfect sheen and crust on breads and pastry items.

Multi-shelf timers - Track cooking time of different food items in the same oven with multi-shelf timers. Time is tracked in minutes and seconds.

On-board diagnostics - The PROtouch control includes on-board diagnostic functionality with results displayed right on the touch screen.

Two power levels: reduced power to manage kitchen power peaks, and eco power for optimal oven efficiency.

PROpower™ power level option - an accelerated turbo power for an instant boost of heat or quick heat recovery [patent pending].

Multiple languages: software operation in English, French, German, Korean, Mandarin, Russian, or Spanish.

Powerful tool - The PROtouch control plays an important part in our continuous improvement process. New features and abilities can be loaded to your oven as they become available. Simply call our Service Department for assistance.

OPERATING INSTRUCTIONS

CT PROFORMANCE™ START-UP PROCEDURES

Power ON - Activates power to the oven and automatically fills the steam generator equipped models with water that will heat to a stand-by mode temperature of 188°F (77°C).

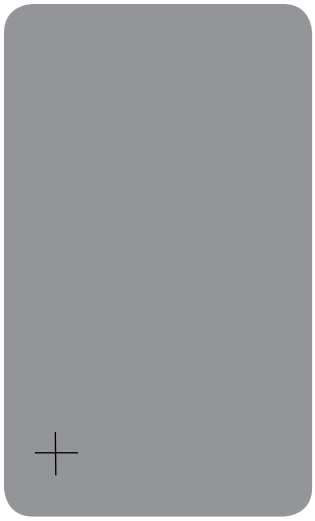
Power OFF - Press once to initiate power shut down sequence to the oven. ***Note:*** Oven will not shut down during a cooking cycle. You may need to press firmly due to the material thickness. From time to time, the control may become unresponsive. ***ONLY*** in this case, firmly press and hold the OFF key for 10 seconds to power down the oven.

When the oven is powered on, the PROtouch screen illuminates. "Loading" indicates that the software is booting up. The screen will also indicate what level of progress has been made as the software becomes fully operational. *See illustration at left.*

If, for any reason, the oven is turned off or loses power during this start-up process, the operator will be prompted to calibrate the Touch screen when the oven is next powered up.

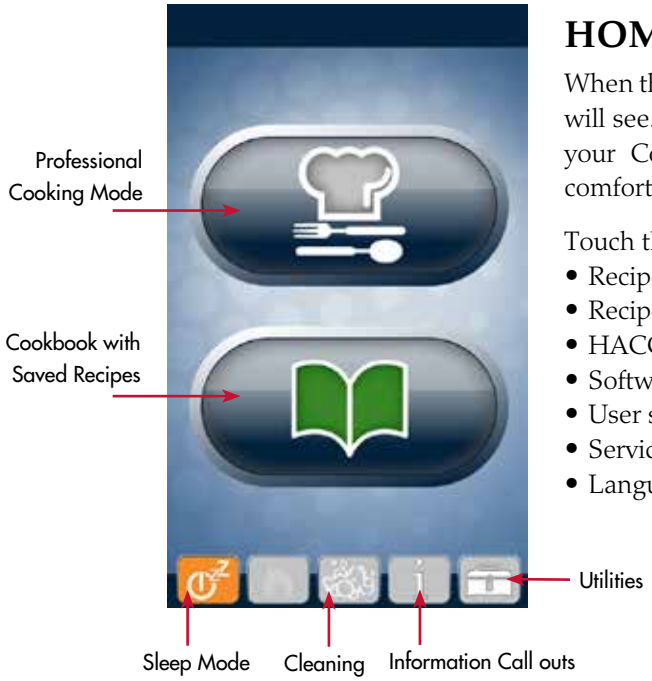
Return to Home Screen - Press the red arrow if the PROtouch™ screen *does not* need to be calibrated.

Begin Calibration Process - Press the green check mark if the Touch screen *does* need to be calibrated. The screen will switch to a grey background. *See illustration at right.* A crosshairs icon will appear. The operator should touch the center intersection using a stylus for an accurate calibration. This prompt and required action will be repeated several times in different areas of the Touch screen. When complete, the operator will be returned to the Home screen.



NOTE: In the event of a power failure, the oven will not operate.

CONTROL PANEL IDENTIFICATION



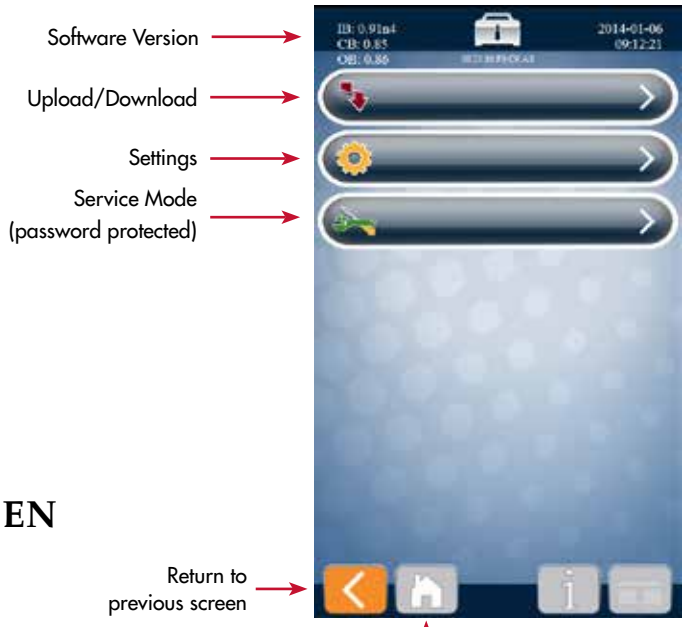
HOME SCREEN

When the oven finishes powering up, this is the screen you will see. As a first time user, you may want to personalize your CombiOven to reflect the settings you are most comfortable with.

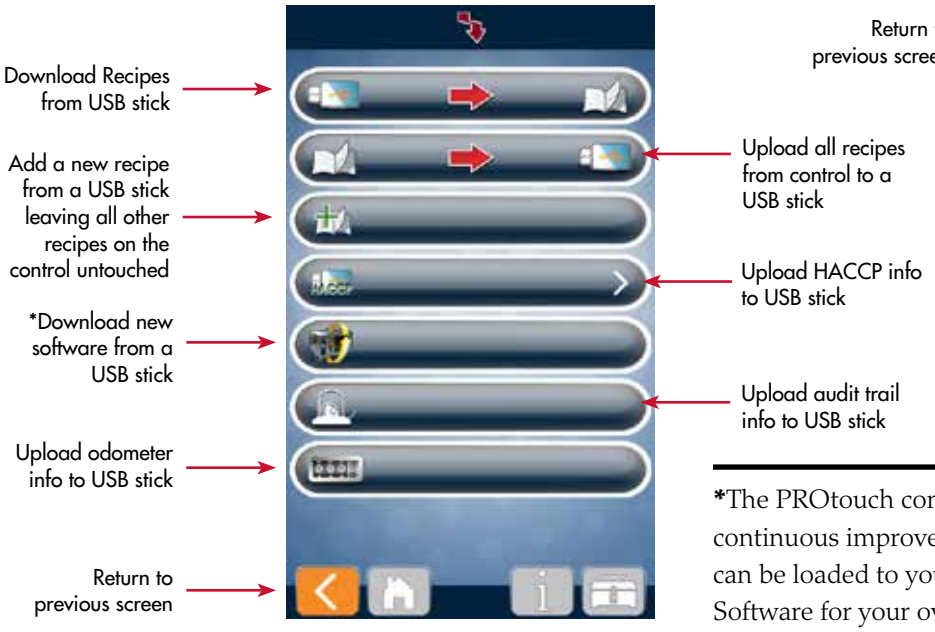
Touch the **Utilities** icon to access:

- Recipe uploads
- Recipe downloads
- HACCP downloads
- Software updates
- User setting
- Service mode
- Language choice

UTILITY SCREEN



UPLOAD/DOWNLOAD SCREEN



*The PROtouch control plays an important part in our continuous improvement process. New features and abilities can be loaded to your oven as they become available. Software for your oven can be accessed from the Alto-Shaam website, under the Downloads tab.

OPERATING INSTRUCTIONS

SOFTWARE UPDATES

The PROtouch control plays an important part in our continuous improvement process. New features and abilities can be loaded to your oven as they become available. Software for your oven can be accessed from the Alto-Shaam website, under the Downloads tab. http://www.alto-shaam.com/downloads.aspx

Use a USB stick to copy the PROtouch software from the website to the USB stick.

PRESS ON BUTTON TO POWER OVEN ON.

TOUCH THE UTILITIES ICON.

TOUCH THE DOWNLOAD ICON.

TOUCH THE DOWNLOAD NEW SOFTWARE ICON.

Most software updates will require the full oven update as shown below. Additional options are available in the event a special need arises. Call our Service Department for assistance with these special circumstances.

REMOVE THE CAP OF THE USB PORT ON THE OVEN.

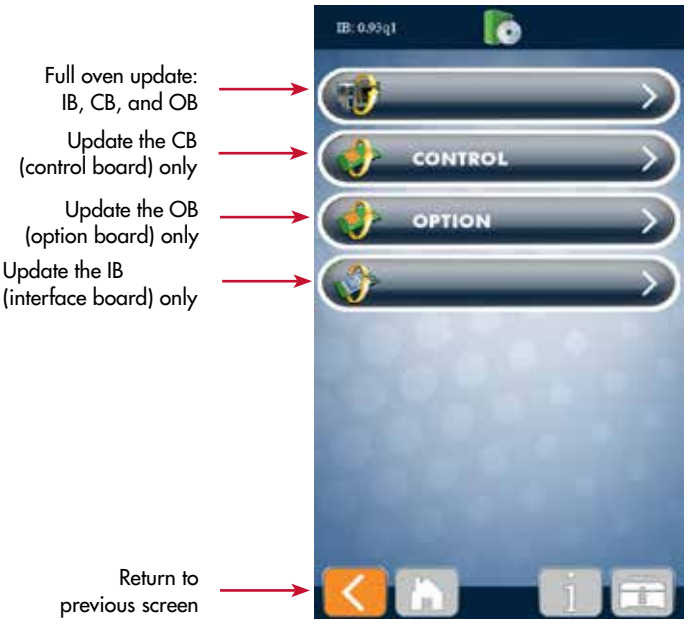
INSERT THE USB STICK. If the USB stick is not recognized by the Combitherm, a question mark will appear on screen. Try again with another flash drive device or call Alto-Shaam Service.

When the data has made a successful transfer to the UB drive, the screen will change. See below.

TOUCH THE GREEN CHECK MARK KEY TO COMPLETE THE PROCESS.

Remove the USB stick and replace the cap on the USB port on the oven.

SOFTWARE UPLOAD SCREEN



Note: After the software update has been completed, the oven may automatically initiate a shut down and reboot sequence if required.

CONTROL PANEL IDENTIFICATION

SETTINGS SCREEN 1

Fahrenheit /Celsius

Keep last user setting

Handle LED on

Recipe display names on

Unlock recipes

Beeper volume & alarm clips

Screen brightness

Return to previous screen

Use factory default settings

Handle LED off

Recipe display names off

Lock recipes

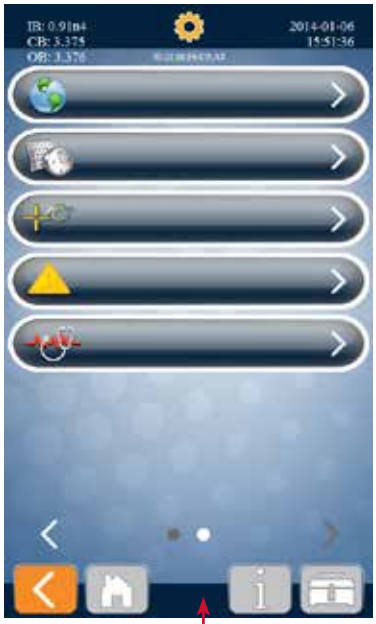
Advance to next setting screen

Screen 1 of 2

Note: A password is required to lock and unlock the recipes. Simply call an Alto-Shaam Culinary Chef for assistance.

Note: When a setting has been selected, the top of the bar will appear darker than the alternate choice. In the illustration above, Fahrenheit, factory default setting, recipe display with text, and recipes are not locked have been chosen.

SETTINGS SCREEN 2



Language Choices

Date/Time

Calibrate product probe

Preventative Maintenance Actions

Run diagnostics

Return to previous setting screen

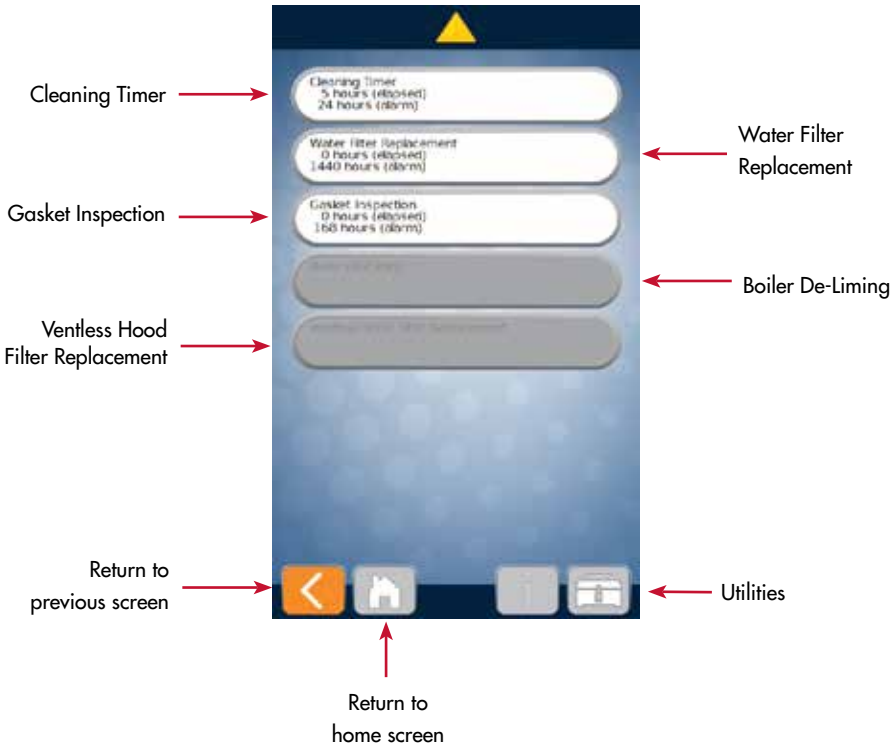
Return to utility screen

Screen 2 of 2

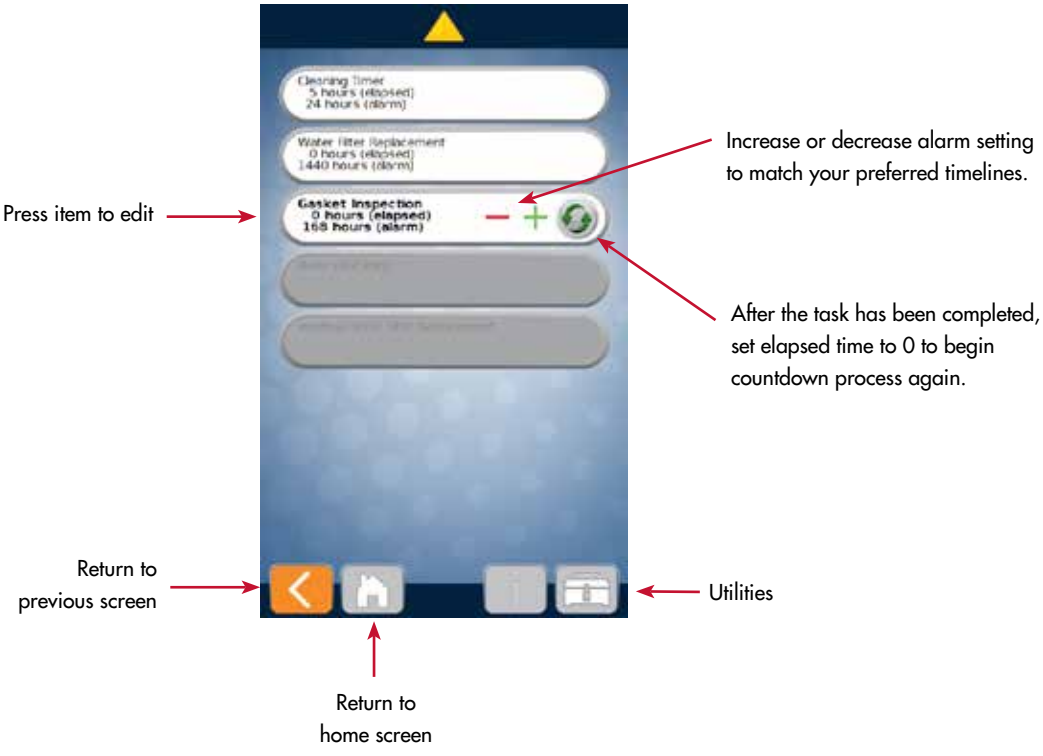
Languages available: English, French, German, Korean, Mandarin, Russian, or Spanish.

CONTROL PANEL IDENTIFICATION

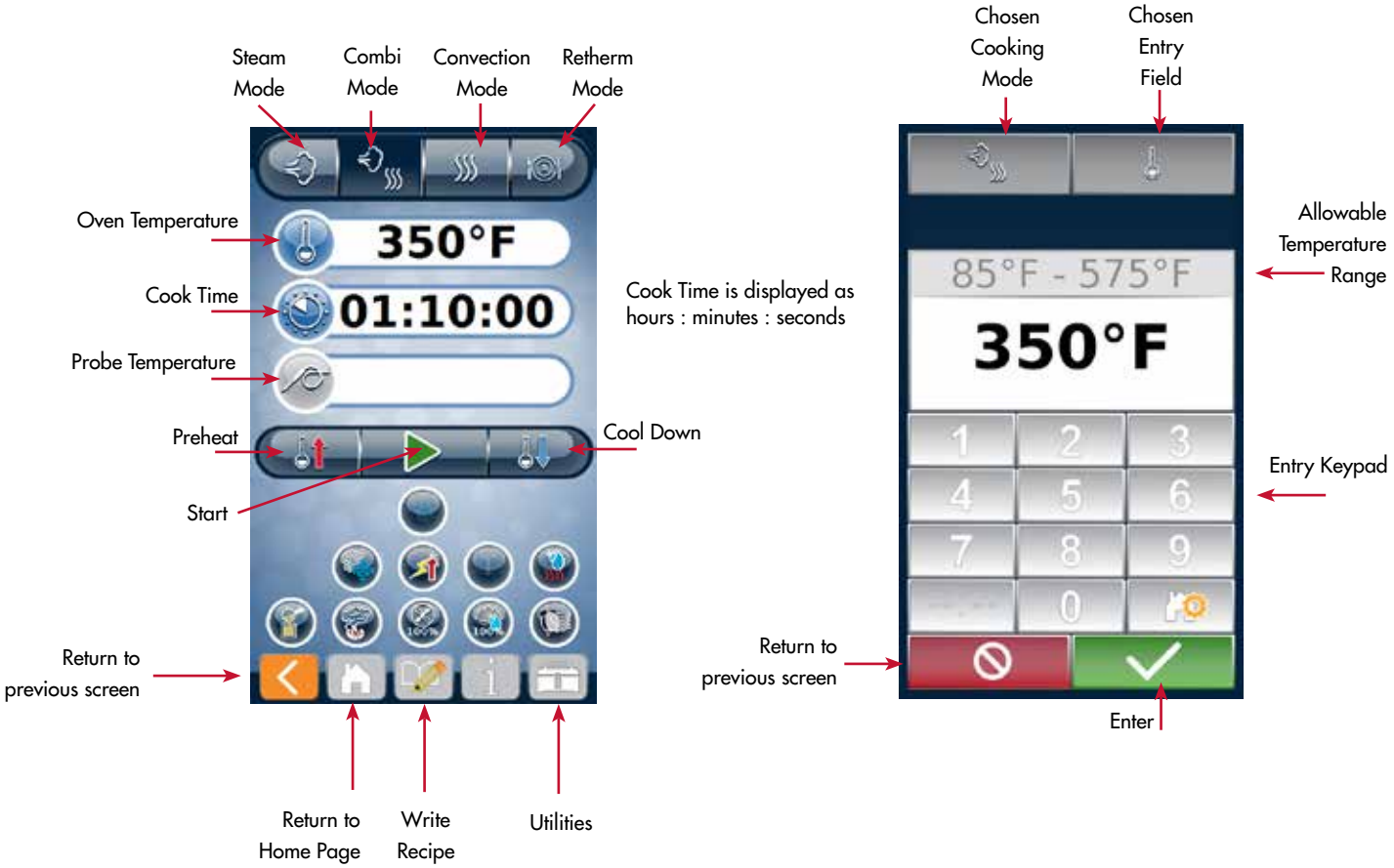
PREVENTATIVE MAINTENANCE SCREEN



PREVENTATIVE MAINTENANCE - EDITING



COOKING SCREEN IDENTIFICATION



Note: When a cooking mode has been selected, it will appear darker blue. When the cooking mode is calling for heat, it will appear red. When the cooking mode is calling for moisture, it will appear light blue. In the illustration above, Combi Mode has been chosen and is calling for heat. Also, the eco power level has been chosen, and the fan speed has been set at 60%.

Auxiliary Function Icons

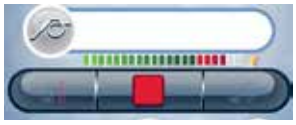
AUXILIARY FUNCTIONS

POWER SETTINGS

Two power levels: reduced power to manage kitchen power peaks, and eco power for optimal oven efficiency.

A third choice is optional on electric models, but standard on gas models. PROpower™ is an accelerated turbo power for an instant boost of heat or quick heat recovery [PATENT PENDING].

NOTE: Reduced power will result in longer cooking times and PROpower will decrease your cooking time by several minutes.



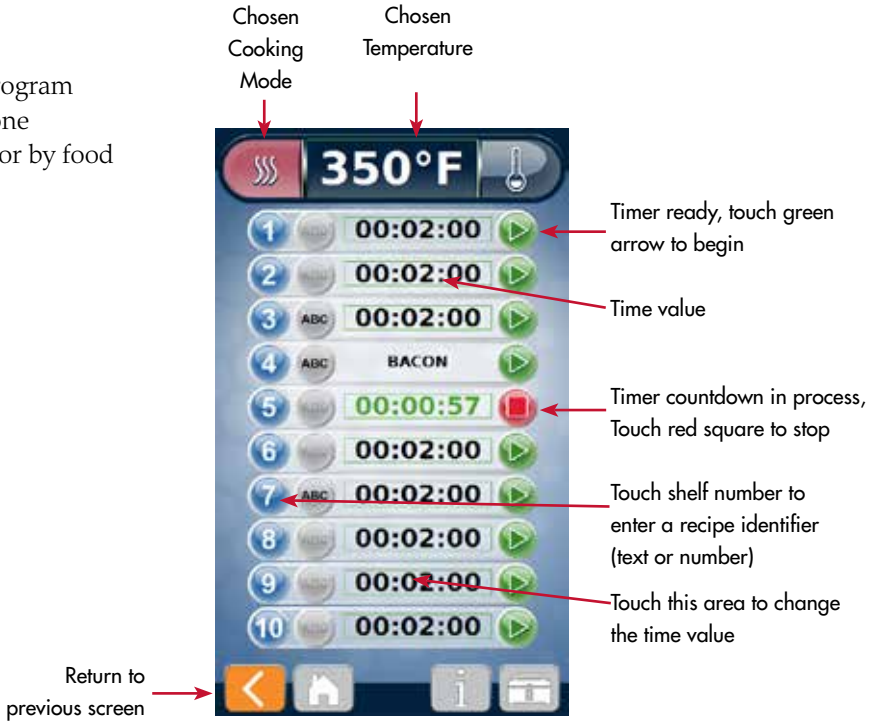
MULTIPLE FAN SPEEDS

The PROtouch™ control includes five different fan speeds. The reduced fan speed function is useful for flow-sensitive products such as soufflés and meringues, or any products affected by a high velocity of air movement.

NOTE: Fan speeds of 80% and 100% are only available when the PROpower™ turbo level has been chosen.

MULTI-SHELF TIMER

The multi-shelf timer allows the operator to program alarm times for the oven shelves. This can be one common time for corresponding oven shelves or by food item that is cooking.



OPERATING INSTRUCTIONS

AUXILIARY FUNCTIONS AND FEATURES

PREHEAT FEATURE

The oven should be preheated before most cooking functions. When cooking full loads, use a temperature 50°F (10°C) greater than the cook temperature in order to recover from heat loss when the door is opened to add food to the oven. For items that use the **Steam** mode, it is necessary to use a preheat temperature lower than the cook temperature in order to create the proper amount of steam.

PRESS ON BUTTON TO POWER OVEN ON.

TOUCH THE PREHEAT ICON.

TYPE IN DESIRED TEMPERATURE.

TOUCH THE GREEN CHECK MARK KEY TO START THE PREHEAT.

COOL DOWN FEATURE

The cool-down feature provides the operator with the ability to lower the temperature of the oven compartment at an accelerated pace. This function is useful when it is necessary to immediately change from a high temperature cooking function to a lower temperature function or to the steam program. This function is also useful to help cool the oven compartment in preparation for cleaning.

TIP: Always allow the oven walls to cool to a minimum of 140°F (60°C) before spraying the compartment with oven cleaner.

OPEN OVEN DOOR.

TOUCH THE COOL DOWN ICON.

TYPE IN DESIRED TEMPERATURE.

TOUCH THE GREEN CHECK MARK KEY TO BEGIN THE COOL DOWN.

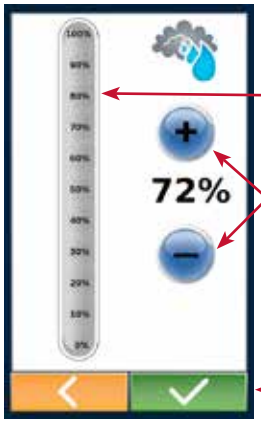
THE TARGET OVEN TEMPERATURE CHOSEN WILL APPEAR JUST ABOVE THE RED STOP BUTTON.

THE CURRENT OVEN TEMPERATURE WILL APPEAR AT THE TOP OF THE SCREEN.

AUXILIARY FUNCTIONS AND FEATURES

HUMIDITY CONTROL FEATURE

The humidity control feature is an automatic function designed to regulate humidity to provide additional color to food as needed. This feature is particularly useful for adding color to high moisture products such as chicken and other poultry, or for additional browning of full loads and other moist products. In addition, this feature may be used to add texture to fried items such as french fries or breaded chicken. Humidity control can be used in any cooking mode and can be programmed into a cooking procedure.

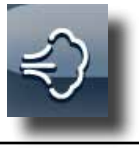


Touch the nearest 10% increment on the left side of the screen, and then adjust up or down using the + or – icons.

0% humidity is the driest cooking environment available. The percentage level chosen will appear on the icon. In the illustration at right, 72% is shown.

OPERATING INSTRUCTIONS

CT PROFORMANCE™ FACTORY DEFAULT SETTINGS

COOKING MODE	OVEN TEMPERATURE	CORE TEMPERATURE	COOKING TIME
Steam 	212°F (100°C)	160°F (70°C)	25 minutes
Combination Steam	350°F (175C)	160°F (70°C)	70 minutes
Convection	350°F (175C)	160°F (70°C)	30 minutes
Retherm	275°F (135°C)	160°F (70°C)	5 minutes

HACCP ACCESS

The Combitherm CT PROformance oven meets the requirements of established HACCP criteria by providing automated sampling, record keeping, set-point validation, recipe used, dates and time. Data is captured when Core Temperature Probe cooking method is chosen. The information can be viewed on screen for verification or troubleshooting. This data is retained indefinitely - until the information is downloaded. Once downloaded, the information is removed from the ovens memory. Best practice would be to download the information every 30 days to a USB stick. This information can then be copied to your computer. The file format is text (.txt).

CAUTION: The CombiOven USB port is not recommended for use with personal hand held devices.

TO ACCESS THE DATA COLLECTED:

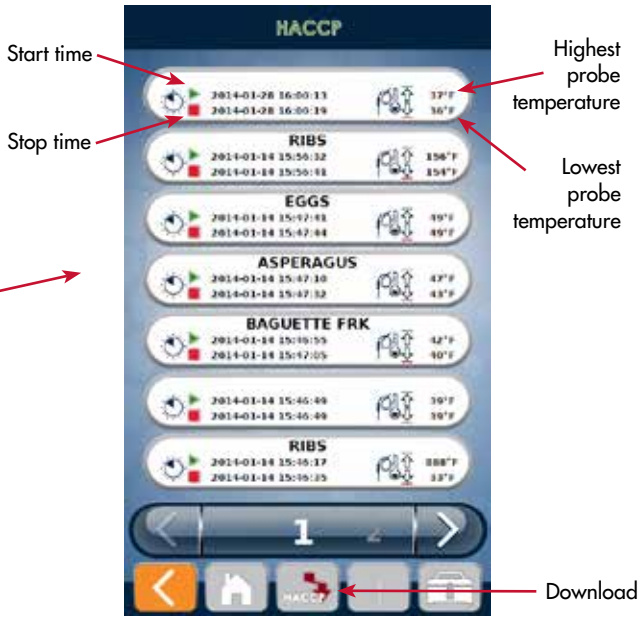
TOUCH UTILITIES ICON LOCATED ON THE HOME PAGE.

TOUCH THE UPLOAD/DOWNLOAD ICON.

TOUCH THE HACCP USB ICON.

The HACCP screen can help diagnose a problem or error code if limited information is available.

(next steps continued on next page)



HACCP ACCESS AND DOWNLOAD

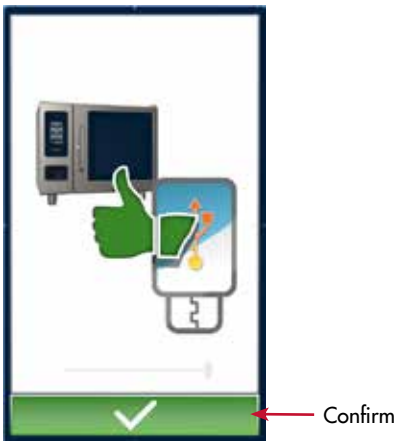
(steps continued from previous page)

TO DOWNLOAD THE DATA COLLECTED:

REMOVE THE CAP OF THE USB PORT ON THE OVEN.

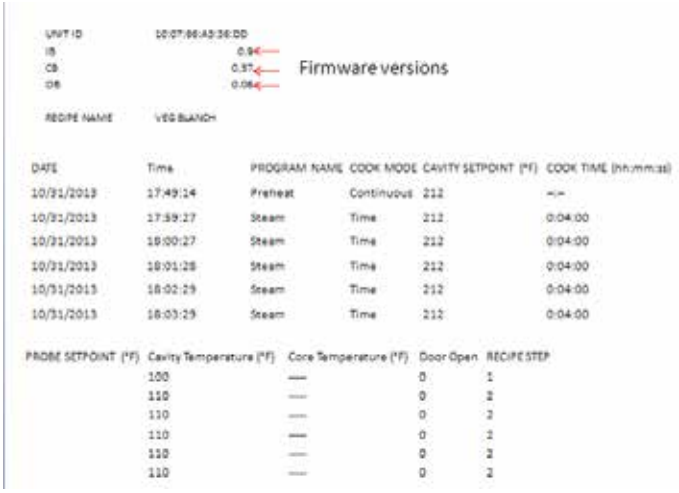
INSERT THE USB STICK. If the USB stick is not recognized by the Combitherm, a question mark will appear on screen. Try again with another flash drive device or call Alto-Shaam Service.

When the data has made a successful transfer to the UB drive, the screen will change. See below.



TOUCH THE GREEN CHECK MARK KEY TO COMPLETE THE PROCESS.

Remove the USB stick and replace the cap on the USB port on the oven.



The download process will automatically create a folder on the USB stick titled “haccp”. Each text file contains cooking program specifics and each function the oven performed.

CT CLASSIC™ INTRODUCTION

ECOSMART® TECHNOLOGY

The Alto-Shaam Combitherm combination oven/steamer employs Ecosmart operating efficiencies in the design and application of all operating and programming functions. Ecosmart operational characteristics include the use of a water barrier to close the oven compartment to the outside air. While maintaining a non-pressurized atmosphere, the primary purpose of the Ecosmart system is to prevent the steam and heat generated within the oven compartment from freely escaping to the outside.

The Ecosmart design displaces the air within the cooking compartment and achieves a higher level of steam saturation that offers quick-steaming at temperatures above 212°F (100°C).

This guide is provided as an operational aid with step-by-step instructions of the basic functions of the Combitherm oven, along with the many other additional features of the control.

CLASSIC CONTROL

The CT Classic features a simple, push button control that commands all the oven functions. Whether you cook by time, or cook using the optional product probe, rest assured you will be able to bake, roast, steam, poach, grill, broil, proof, braise and oven fry with confidence.

LED display - Easy to read display indicates temperature settings, time remaining, and various instructions.

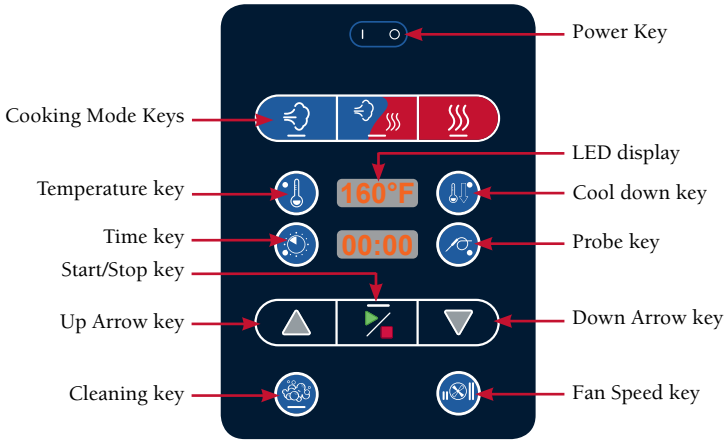
STEAM MODE

COMBINATION MODE

CONVECTION MODE

OPERATING INSTRUCTIONS

CT CLASSIC™ CONTROL PANEL IDENTIFICATION



The **Steam** mode provides the operator with the ability to steam, poach, blanch, or sous vide. This mode will automatically steam at the boiling point of water; quick-steam above the boiling point for faster cooking results; or low temperature steam, below the boiling point, for more delicate products such as pâté, mousse, seafood, or custard.

The **Combination** mode will prove to be the most versatile and widely used mode the Combitherm oven has to offer. It will produce the best possible results on the widest variety of products — all within the shortest period of time. The unique control function of this mode enables the operator to roast or bake with a combination of steam and convection heat. In addition to shorter cooking times, this combination of steam and heat offers less product shrinkage and more moisture retention than obtained in a standard convection oven.

The **Convection** mode operates with hot circulated air within a temperature range of 85°F to 575°F (29°C to 300°C). For many applications, better results may be achieved with the Combination mode; therefore, the operator may want to consider using the Convection mode on a more limited basis.

NOTE: In the event of a power failure, the oven will not operate.

Oven Cool Down Process:

- Cooking process must be inactive
- Press "Cool Down" button until LED lights (LED remains ON while in Cool Down mode)
- Press "Decrease Value" or "Increase Value" to adjust cool down temperature
- Cook temperature display area is used to display cool down temperature
- Display will show last valid cool down temperature
- Cool down temperature range is 85°F - 575°F (30°C - 300°C)
- Press "Start/Stop" until LED lights to accept cool down temperature and initiate cool down process
- Door must be open to start cool down process; Cook time display area will display "door" if door is not open
- Cook temperature display area will display set cool down temperature
- Cook time display area will display current cool down temperature

Fahrenheit or Celsius Function - choose temperature format:

- Unit is not in a cooking or cleaning process
- Press "Set Cooking Temperature", "Decrease Value" and "Increase Value" buttons simultaneously for 1 second
- Cooking temperature display area will display last value "C" or "F"; Display will alternate between "C" and "F" every 2 seconds
- Press "Start/Stop" key when the display is showing the desired value ("C" or "F")

PREVENTATIVE MAINTENANCE

CLEANING AND PREVENTATIVE MAINTENANCE

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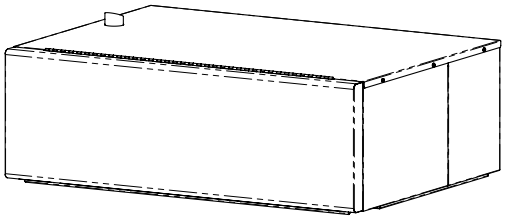
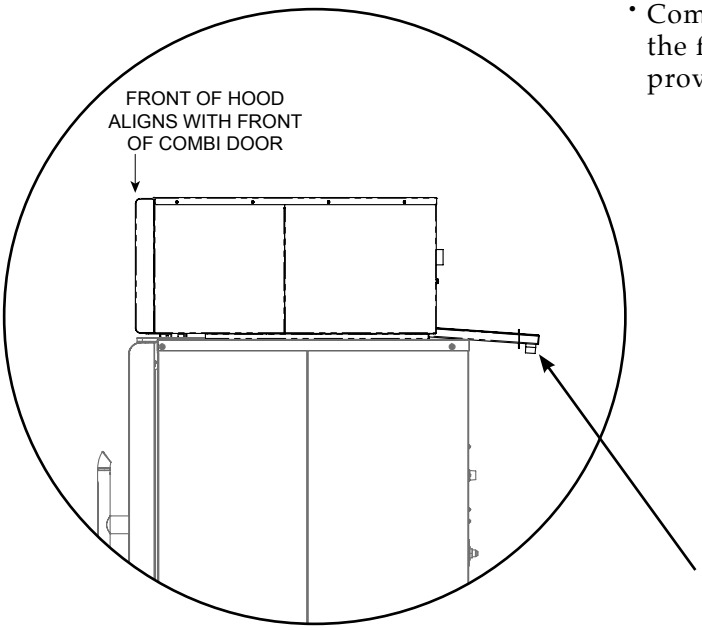
COMBIHOOD PLUS™ VENTLESS HOOD OPTION



The CombiHood PLUS option is factory installed directly on the top of the Alto-Shaam Combitherm CTP or CTC series oven.

- Using EPA method 202 testing, grease laden vapors emitted by the Combi Ventless hood are 0.58 mg/m^3 – far less than U.L.'s established standard of 5 mg/m^3.
- Alto-Shaam's factory installed Ventless Hood is placed directly on the top of a Combitherm oven.
- A high-power fan captures all steam and fumes from the oven cavity into the hood intake and out the back surface exhaust vent, trapping grease as the air moves through the filter system.
- As fumes and vapors are circulated through the hood, condensed steam drains from a drain at the rear of the hood.
- An activated charcoal filter cleans the air before venting it out the top of the hood.
- CombihoodPLUS™ performance is "smart"; engaging the fan during the last minute of the cook mode which provides quiet operation and consumes less power.

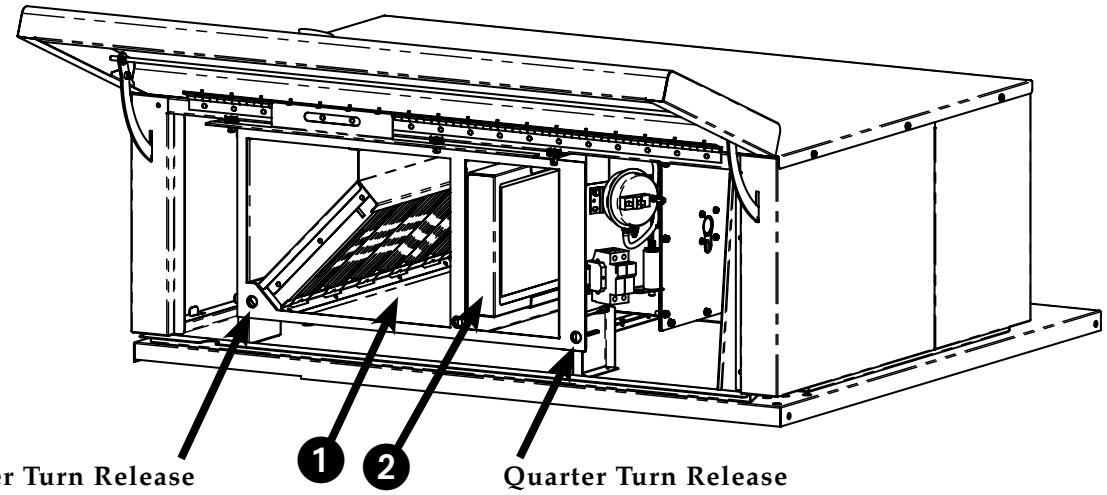


CONDENSATE DRAIN

A ventless hood condensate drain line to the floor drain must be installed. The 1/2" barbed connection is found at the back of the hood. The drain line must always be a positive gradient away from the Combitherm oven.

OPERATING INSTRUCTIONS

COMBIHOOD PLUS™ VENTLESS HOOD OPTION



Quarter Turn Release (access to filters)

Quarter Turn Release (access to filters)

❶ Grease Filter (FI-25867):

Cleaning frequency should be based on oven usage with a maximum of two weeks between cleaning if the oven is used for non-grease laden products or steam applications only. Grease laden products require cleaning frequency of at least once a week.

Remove the grease filter by pulling it straight out of the housing. Place the filter in the dishwasher or wash separately by placing in hot, soapy water until all grease and particles have been removed. Rinse thoroughly. Allow the filter to air dry before reinstalling.

To replace the grease filter, the air flow arrow on the filter casing should be pointing toward the hood fan.

❷ Charcoal Filter (Class I - FI-36620):

The charcoal filter should be inspected for contaminant's on a regular basis. Replacement must be made at a minimum of three month intervals — more often if heavy contaminant's are visible or if the filter no longer controls odors.

To remove the filter, pull and slide out while holding the bottom housing. When replacing the filter, make certain the air flow arrow(s) point toward the hood fan, and that the filter is replaced in the three-sided metal frame provided with the hood.

NOTE:

A pressure switch is used to detect when the airflow through the charcoal filter is reduced by 25% - indicating a possible blockage. This will generate an E101 error message on the oven control display. The filters will need to cleaned or replaced.

If the filters are not seated properly, an error code E102 will appear on the oven control display at the end of a cooking cycle.

CLEANING & MAINTENANCE

MOBILE EQUIPMENT RESTRAINT FOR GAS MODELS

The gas Combitherm must use a connector that complies with ***The Standard for Connectors for Movable Gas Appliances***, ANSI Z21.69 CSA 6.16 and addenda Z21.69a-1989. A quick disconnect device must be installed to comply with ***The Standard for Quick Disconnect Devices for Use with Gas Fuel***, ANSI Z21 CSA 6.9. and European Standard EN203.

Adequate means must be provided to limit the movement of this appliance. Limitation of movement must be made without depending on the connector, the quick disconnect device, nor the associated piping designed to limit appliance movement. If it becomes necessary to disconnect the restraint, it must be reconnected immediately following the return of the appliance to its original position.

1. Install a manual gas shut-off valve along with an approved disconnect device.
2. Install an A.G.A. certified, heavy-duty connector that complies with ANSI Z 21.69 or CAN 1-6.10m88 along with a quick-disconnect device in compliance with ANSI Z21.41 or CAN 1-6.9m70. Connectors must be installed with a cable restraint to prevent excessive tension from being placed on the connector.

⚠ WARNING

RISK OF ELECTRIC SHOCK.

Appliance must be secured to building structure.

MOBILE EQUIPMENT RESTRAINT FOR ELECTRIC MODELS

Any appliance that is not furnished with a power supply cord but includes a set of casters must be installed with a tether. Adequate means must be provided to limit the movement of this appliance without depending on or transmitting stress to the electrical conduit. The following requirements apply:

1. Casters must be a maximum height of 6" (152mm).
2. Two of the casters must be the locking type.
3. Such mobile appliances or appliances on mobile stands must be installed with the use of a flexible connector secured to the building structure.

A mounting connector for a restraining device is located on the lower back flange of the appliance chassis or on an oven stand, approximately 18" (457mm) from the floor. A flexible connector is not supplied by nor is it available from the factory.

CAUTION

THIS SECTION IS PROVIDED FOR THE ASSISTANCE OF QUALIFIED SERVICE TECHNICIANS ONLY AND IS NOT INTENDED FOR USE BY UNTRAINED OR UNAUTHORIZED SERVICE PERSONNEL.

CLEANING & MAINTENANCE

COMBICLEAN CLEANING AGENTS

⚠ DANGER

RUBBER GLOVES MUST BE WORN WHEN USING COMBICLEAN TABLETS OR SPRAY OVEN CLEANER.

⚠ DANGER

PROTECTIVE EYE WEAR MUST BE WORN WHEN USING SPRAY OVEN CLEANER.

NOTE: **Use authorized Combitherm cleaner only.**

Unauthorized cleaning agents may discolor or harm interior surfaces of the oven. Read and understand label and material safety data sheet before using the oven cleaner.

CAUTION: **Causes eye, skin, and respiratory tract irritation. keep out of reach of children.**

PRECAUTIONS:

- Do not take internally.
- Avoid contact with eyes and skin.
- Use rubber gloves when using this product.
- Wash hands thoroughly after handling.
- Avoid mixing with strong, concentrated acids.

FIRST AID:

Skin: Flush with water. Remove contaminated clothing and do not re-wear until washed. If irritation persists see a physician.

Eyes: Flush with water for 15 minutes. See a physician immediately.

Inhalation: If difficulty in breathing occurs, leave area immediately and do not return until dust is settled. If irritation persists, see a physician.

Ingestion: Drink large quantities of milk or water. DO NOT INDUCE VOMITING. See a physician immediately.

TABLET WILL BEGIN TO DISSOLVE ONTO SKIN IF HANDLED WITH DAMP OR WET HANDS.

COMBITHERM® COMBItabs™

Part Number CE-36354 Water Soluble Tablets, 18 grams each

RATING (0=none 4=extreme) HMIS	
HEALTH	2
FIRE	0
REACTIVITY	0
SPECIFIC HAZARD	none

Precautions:

Do not take internally. Avoid contact with eyes and skin. Use rubber gloves when using this product. Wash skin thoroughly after handling. Avoid mixing with strong, concentrated acids.

First Aid:

Skin: Flush skin with water. Remove contaminated clothing and do not wear again until washed. If irritation persists, see a physician.

Eyes: Flush eyes with water for 15 minutes. See a physician immediately.

Inhalation: If difficulty in breathing occurs, leave area immediately and do not return until dust is settled. If irritation persists, see a physician.

Ingestion: Drink large quantities of milk or water. DO NOT INDUCE VOMITING. See a physician immediately.

Keep out of reach of children.

Danger: CORROSIVE. May cause severe burns to eyes and skin.

Warnings:

- Unauthorized cleaning agents may discolor or harm interior surfaces of the oven.
- Read and understand label and material safety data sheet before using the oven cleaner.
- Always wear rubber gloves when handling.
- Tablet will begin to dissolve onto skin if handled with damp or wet hands.
- Cleaning agent causes burns to eyes, skin and mucous membranes.
- Do not get in eyes, on skin, or on clothing.
- Harmful if swallowed.
- Keep out of reach of children.
- Do not mix with anything but water.

Instructions:

- Remove all food scraps and residue from the oven drain and oven interior.
- Remove the smoker tray, if applicable.
- Ensure that the water is turned on for the oven.
- Allow oven to cool below 150°F (66°C).
- Wearing rubber gloves, remove oven interior drain screen at bottom of oven.
- Using the oven control, choose the cleaning level you would like to run.
- Tear open or cut open the plastic wrap surrounding the cleaning tablets.
- Remove tablets from the packaging and insert the appropriate number of cleaning tablets directly into the oven cavity drain.
- Replace drain screen and close oven door.
- Press the Start key or the Yes key, depending upon the oven model you have.
- Oven will begin the cleaning cycle and will beep when the cleaning cycle is completed.
- Leave door slightly ajar when cleaning is finished.

ALTO-SHAAM®

W164 N9221 Water Street • Menomonee Falls, WI 53052
(800)558-8744 (262)251-3800 Ext 6709 Fax: (262)251-7067

CLEANING & MAINTENANCE

PREVENTATIVE MAINTENANCE

In addition to the routine cleaning and maintenance procedures, there are several additional steps to be taken for both sanitation and to keep the oven running efficiently. These additional safeguards will help prevent down time and costly repairs.

DO NOT DISPOSE OF GREASE, FAT, WOOD CHIPS OR SOLID WASTE DOWN THE OVEN DRAIN.
Fats and solids will eventually coagulate in the drain system, causing blockage. Consequently, water will back-up into the condenser and interior oven compartment, resulting in an oven that is inoperable.

MAKE CERTAIN THE DRAIN SCREEN IS ALWAYS IN PLACE. REMOVE ANY SOLID WASTE MATERIAL FROM THE DRAIN SCREEN BEFORE IT ENTERS THE DRAIN SYSTEM.
The routine removal of solids from the drain screen will help prevent blockage.

USE THE AUTHORIZED COMBITHERM OVEN CLEANER ONLY.
The use of unauthorized cleaning agents may discolor or harm the interior surfaces of the oven.

TO PROLONG THE LIFE OF THE DOOR GASKET, CLEAN THIS ITEM DAILY.
The acids and related compounds found in fat, particularly chicken fat, will weaken the composition of the gasket unless cleaned on a daily basis. Wipe with a hot, soapy cloth.

TO ADDITIONALLY PROTECT GASKET LIFE, ALLOW OVEN DOOR TO REMAIN SLIGHTLY OPEN AT THE END OF THE PRODUCTION DAY.
An open door will relieve the pressure on the door gasket.

ROUTINELY CLEAN DOOR HINGES.
Open oven door to relieve tension. Clean all parts of the hinge.

When smoking is completed, remove smoker box from oven. Dispose of wood chips in a fire proof waste receptacle.

DANGER

AT NO TIME SHOULD THE INTERIOR OR EXTERIOR BE STEAM CLEANED, HOSED DOWN, OR FLOODED WITH WATER OR LIQUID SOLUTION OF ANY KIND. DO NOT USE WATER JET TO CLEAN.

SEVERE DAMAGE OR ELECTRICAL HAZARD COULD RESULT.

WARRANTY BECOMES VOID IF APPLIANCE IS FLOODED

CLEANING AND PREVENTATIVE MAINTENANCE

PROTECTING STAINLESS STEEL SURFACES

It is important to guard against corrosion in the care of stainless steel surfaces. Harsh, corrosive, or inappropriate chemicals can completely destroy the protective surface layer of stainless steel. Abrasive pads, steel wool, or metal implements will abrade surfaces causing damage to this protective coating and will eventually result in areas of corrosion. Even water, particularly hard water that contains high to moderate concentrations of chloride, will cause oxidation and pitting that result in rust and corrosion. In addition, many acidic foods spilled and left to remain on metal surfaces are contributing factors that will corrode surfaces.

Proper cleaning agents, materials, and methods are vital to maintaining the appearance and life of this appliance. Spilled foods should be removed and the area wiped as soon as possible but at the very least, a minimum of once a day. Always thoroughly rinse surfaces after using a cleaning agent and wipe standing water as quickly

CLEANING AGENTS

Use non-abrasive cleaning products designed for use on stainless steel surfaces. Cleaning agents must be chloride-free compounds and must not contain quaternary salts. Never use hydrochloric acid (muriatic acid) on stainless steel surfaces. Always use the proper cleaning agent at the manufacturer's recommended strength. Contact your local cleaning supplier for product recommendations.

CLEANING MATERIALS

The cleaning function can usually be accomplished with the proper cleaning agent and a soft, clean cloth. When more aggressive methods must be employed, use a non-abrasive scouring pad on difficult areas and make certain to scrub with the visible grain of surface metal to avoid surface scratches. Never use wire brushes, metal scouring pads, or scrapers to remove food residue.

⚠ CAUTION

TO PROTECT STAINLESS STEEL SURFACES, COMPLETELY AVOID THE USE OF ABRASIVE CLEANING COMPOUNDS, CHLORIDE BASED CLEANERS, OR CLEANERS CONTAINING QUATERNARY SALTS. NEVER USE HYDROCHLORIC ACID (MURIATIC ACID) ON STAINLESS STEEL. NEVER USE WIRE BRUSHES, METAL SCOURING PADS OR SCRAPERS.

CLEANING & MAINTENANCE

CLEANING SCHEDULE

DAILY GASKET CLEANING

It is important to prolong the life of the oven gasket by cleaning on a daily basis. Routine cleaning will help protect the gasket from deterioration caused by acidic foods.

1. Allow the oven to cool, then wipe the gasket and crevices with clean cloth soaked in warm detergent solution.
2. Wipe the gasket and crevices with a cloth and clean rinse water.

Do not attempt to remove gasket or place in the dishwasher.

PROBE USAGE AND CLEANING

After each use of the **CORE TEMP** mode, wipe the probe tip with a clean paper towel to remove food debris. Follow by wiping the probe with a disposable alcohol pad. Return the probe to the proper door bracket position.

Probe and Probe Prong Cleaning Procedures

1. Remove all food debris from probe between loads and at the end of each production shift. Wipe the entire probe, probe cable assembly, probe prongs, and probe holding bracket with a clean cloth and warm detergent solution.
2. Remove detergent by wiping the probe, cable, probe prongs, and bracket with a cloth and clean rinse water.
3. Wipe probe and probe bracket with disposable alcohol pad or sanitizing solution recommended for food contact surfaces.
4. Allow probe, probe prongs, and cable to air dry in the probe holding bracket.
5. Wipe the probe with a disposable alcohol pad prior to inserting into a new food product.

DAILY OVEN CLEANING

To be performed at the end of the production day or between production shifts.

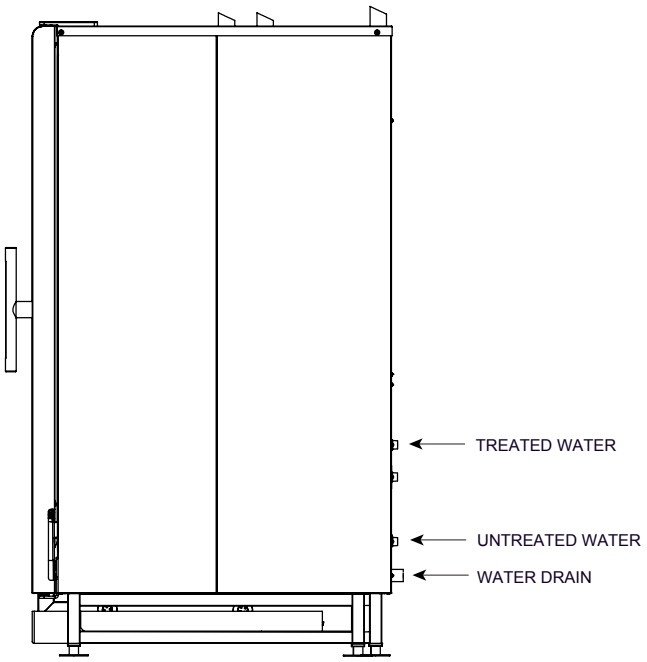
ROLL-IN CART/FOOD TROLLEY CLEANING (ON EQUIPPED MODELS)

1. Remove food trolley to a cart wash area. Trolleys may be cleaned using any mild cleaning detergent and warm water.
2. Hand wipe all framing, slides, drip pan, and base. Thoroughly clean debris from the casters. A spray hose can be used for easier cart cleaning.
3. Remove detergent solution with warm water.
4. Wipe or spray with a sanitizing solution designed for use on metal and vinyl food contact surfaces.
5. Allow trolley to air dry.

As an alternative, trolleys can be cleaned while inside the oven. Allow the trolley to remain in the oven through the heavy-dut PLUS cleaning cycle, followed by steps 2 through 5.

MONTHLY CLEANING

1. Spray Head
2. Water Intake Filters
3. Drain Pipe



DANGER

AT NO TIME SHOULD THE INTERIOR OR EXTERIOR BE STEAM CLEANED, HOSED DOWN, OR FLOODED WITH WATER OR LIQUID SOLUTION OF ANY KIND. DO NOT USE WATER JET TO CLEAN.

SEVERE DAMAGE OR ELECTRICAL HAZARD COULD RESULT.

WARRANTY BECOMES VOID IF APPLIANCE IS FLOODED

CLEANING & MAINTENANCE

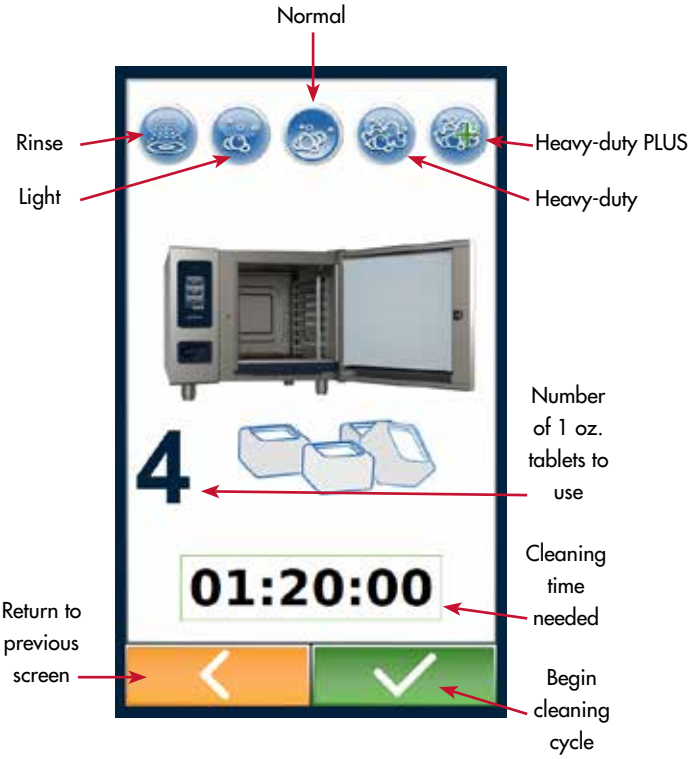
CT PROTOUCH™ WITH COMBICLEAN®

Five (5) cleaning levels are offered: rinse (20 minutes), light (30 minutes), normal (1 hour 20 minutes), heavy-duty (2 hours 6 minutes), and heavy-duty PLUS (3 hours 30 minutes) cleaning. CombiClean® 18 gram CombiTabs™ (CE-36354) or Combitherm® liquid spray cleaner (CE-24750) may be used. Side racks and shelves may remain inside oven during cleaning. Remove the smoker tray and any solid wastes from the drain screen and oven interior to prevent blockage.

Note: *If a power outage were to occur during any of the cleaning cycles, the oven will begin a six (6) minute forced-rinse cycle.*

Note: *Be sure the water is turned on.*

Touch the **Cleaning** icon found on the home screen.



If oven is too hot to proceed, the **Oven Too Hot** warning screen will appear. Open the oven door to allow the oven to cool below 150°F (66°C). When the oven is finished cooling, begin the cleaning procedure again.

Select **Rinse**, **Light**, **Normal**, **Heavy-duty, or Heavy-duty PLUS** cleaning level.

Note: *If the oven is equipped with the optional grease collection system, 3 cleaning levels are available.*

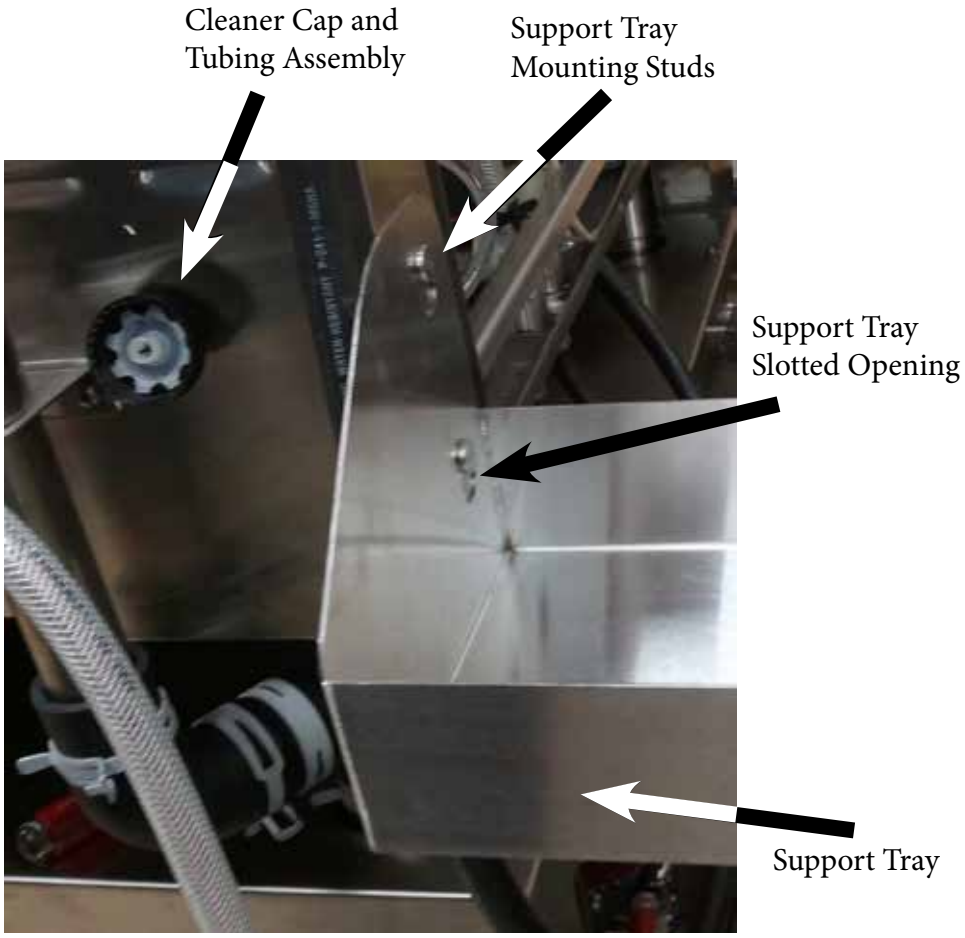
- Wearing rubber gloves, remove oven interior drain cover screen.
- Tear open or cut open the plastic wrap surrounding the cleaning tablets.
- Remove tablets from the packaging. Discard packaging. Insert the appropriate number of CombiClean® CombiTabs™ directly into the oven cavity drain or spray CombiClean liquid cleaner inside the oven.
- Replace drain screen and close oven door.

Touch the green check mark key to begin the cleaning cycle.

Oven beeps when it is done cleaning. Leave door slightly ajar when cleaning is finished.

OPERATING INSTRUCTIONS

LIQUID CLEANER HOOK-UP (IF EQUIPPED WITH THIS OPTION)



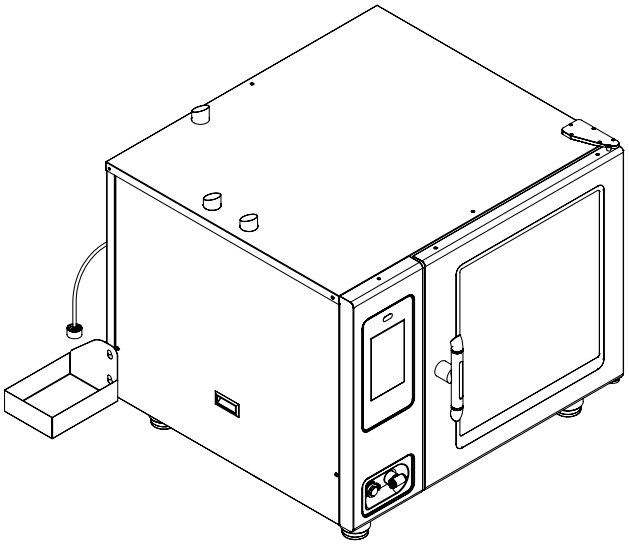
- Removable, cleaner support tray can be mounted on the left or right exterior wall of the oven. Slide slotted openings on the tray over the mounting studs.
- Support tray holds a 2-1/2-gallon (9,5 liter) bottle and measures 10-1/2" x 7-3/4" (267mm x 194mm).
- Place liquid oven cleaner bottle inside tray.
- **Wearing protective rubber gloves and eye wear,** remove cap from liquid oven cleaner bottle. Pull out the Cleaner Cap and Tubing Assembly from the back of the unit screw on to liquid oven cleaner bottle.
- Combitherm liquid oven cleaner jugs are quickly and easily replaced.
- Combitherm liquid oven cleaner is automatically pumped through the system, saving labor and providing greater employee safety by eliminating the need to handle caustic cleaning liquids each day.

⚠ DANGER

PROTECTIVE EYE WEAR MUST BE WORN WHEN USING LIQUID OVEN CLEANER.

⚠ DANGER

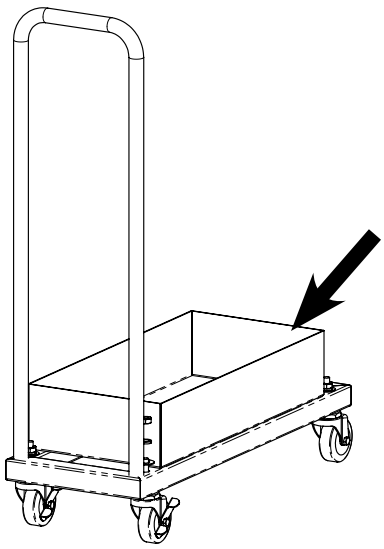
RUBBER GLOVES MUST BE WORN WHEN USING LIQUID OVEN CLEANER.



OPERATING INSTRUCTIONS

GREASE COLLECTION HOOK-UP (IF EQUIPPED WITH THIS FEATURE)

- Grease Collection container has a 5 gallon (19 liter) capacity and holds approximately 3 full loads of poultry grease.
- It is suggested to change the container when material reaches the fill line on the bottle or at 4 gallons to avoid hot grease overflow.
- Turn the ball valve handle to the OFF position.
- The ball valve handle must be in the OFF position when changing the collection container.
- Unscrew the container fill cap.
- Using a new container, screw Grease Collection Hose Assembly on to collection container until snug.
- Turn ball valve handle to the **ON** position.



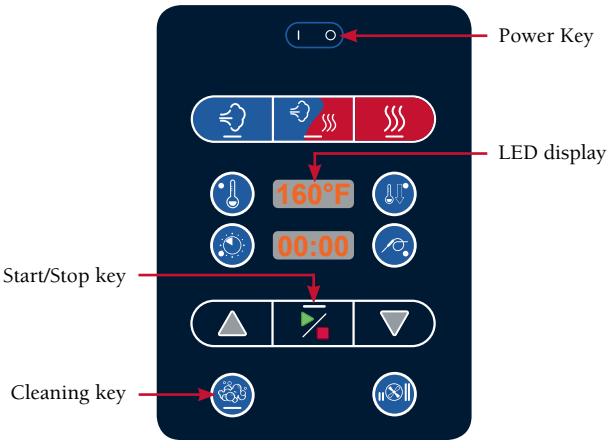
Optional Mobile Grease Collection Cart

- Grease Collection Hose Assembly is attached to the oven in the back.
- Place Grease Collection Containers inside the tray of the Mobile Grease Collection Cart. Roll into place next to the oven.
- **Loosen vent cap on container.** Pull out the Grease Collection Hose Assembly from the back of the unit. Remove collection container fill cap.
- Screw Grease Collection Hose Assembly on to collection container until snug.
- Turn ball valve handle to the **ON** position.
- If this auxiliary function has been chosen while setting your cooking mode, the automatic grease collection system is electronically activated during the cooking process [PATENT PENDING]. It is designed to save labor and provide greater employee safety by eliminating the need to handle hot grease in shallow pans.

CT CLASSIC™ WITH COMBICLEAN®

One (1) heavy-duty cleaning cycle (2 hours 5 minutes) is offered. CombiClean® CombiTabs™ CE-36354, 1 ounce packets or Combitherm Spray Cleaning Liquid CE-24750 may be used. Side racks and shelves may remain inside oven during cleaning. Remove solid wastes from the bottom of the oven and the drain screen to prevent blockage.

Note: *If a power outage were to occur during any portion of the cleaning cycle, the oven will begin a six (6) minute forced-rinse cycle. Cook temperature display area will display "RIN". Cook time display area will display "-.--"*



TO CLEAN THE OVEN

- Press the **Cleaning** key.
- Insert appropriate number of CombiClean® tabs as directed by the LED Screen (**CLn4** appears). The "4" refers to the number of cleaning tablets that are to be inserted in the cavity drain. User may add one additional tablet for particularly dirty ovens.
- Close the oven door and press the **Start/Stop** key.
- If oven is too hot to proceed, **dOOr** will display on the LED screen**.** Open the oven door to allow the oven to cool to below 150°F (66°C). When the oven is finished cooling, begin the cleaning procedure again.
- Oven beeps when it is done cleaning. Leave door slightly ajar when cleaning is finished.

SERVICE MODE AND ERROR CODES

CT Series Error Codes E01 - E06 . . . . . C-2

CT Series Error Codes E07 - E22 . . . . . C-3

CT Series Error Codes E23 - E45 . . . . . C-4

CT Series Error Codes E51 - E90 . . . . . C-5

CT Series Error Codes E91 - E106 . . . . . C-6

CT Series Error Codes E108 - E109 . . . . . C-7

Touch Motor Control Error Codes. C-8

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TROUBLE SHOOTING

ERROR CODES

This section is provided for the assistance of qualified technicians only and is not intended for use by untrained or unauthorized service personnel. If your Alto-Shaam® unit is not operating properly, check the following before calling your Authorized Alto-Shaam Service Agent:

☛ Check that unit is receiving power. Circuit breaker turned on?

Do not attempt to repair or service the oven beyond this point. Contact Alto-Shaam for the nearest authorized service agent. Repairs made by any other service agents without prior authorization by Alto-Shaam will void the warranty on the unit.

When the oven malfunctions, an error code will appear in the display.

PRESS THE START ICON TO ACKNOWLEDGE THE ERROR.

When the oven error notification has been acknowledged, the Combitherm will attempt to return to normal operation.

Error Code	Error Call Out in Display	Description of Error	Possible Cause
E01	Low Water Boiler	Upper water level probe B1 is not satisfied within 5 minutes, after water solenoid valve Y1 is activated.	— Water supply is shut off. — Low water pressure. — Boiler drain cap is missing. — Boiler drain pump is defective. — Drain pump elbow leaking. — Water level probe has calcium build up. — Double water solenoid valve is defective (Y1). — Relay board, high voltage is defective.
E02	Control Temperature High	Low voltage relay board temperature higher than 176°F (80°C).	— Check wiring to all components listed below. — Cooling fan on relay board assembly is defective. — Cooling fan on display board assembly is defective. — Main cooling fan is defective. — Cooling fan on motor drive is defective.
E03	Fan Motor Error	Fan motor does not spin after 60 seconds, detected by the Hall Sensor. Error 03 does not appear if error E53 is detected first.	— Check wiring to all components listed below. — If LED on motor control flashes, see error codes for motor control. — Motor or fan wheel locked. — Hall sensor does not detect motor rotation. — Motor Thermo Temperature protection. — Fan wheel damaged.
E04	Lower Fan Motor Error	Lower Fan motor does not spin after 60 seconds, detected by the Hall Sensor. Error 04 does not appear if error E54 is detected first.	— Check wiring to all components mentioned below. — If LED on motor control flashes, see error codes for motor control. — Motor or fan wheel locked. — Hall sensor does not detect motor rotation. — Motor Thermo Temperature protection. — Fan wheel damaged.
E05	VFD Comm Failure	When VFD does not respond to a query on the CAN interface.	— Loss of power to VFD. — VFD malfunction. — CAN cable disconnected. — CAN address not correct on VFD.
E06	Lower VFD Comm Failure	When VFD does not respond to a query on the CAN interface.	— Loss of power to VFD. — VFD malfunction. — CAN cable disconnected. — CAN address not correct on VFD.

CONTINUED ON NEXT PAGE

TROUBLE SHOOTING

ERROR CODES

Error Code	Error Call Out in Display	Description of Error	Possible Cause
E07	Error Received from VFD	When VFD is flashing the green light	— Refer to VFD error code list and match to number of blinks on the green LED of VFD.
E08	Error Received from Lower VFD	When VFD is flashing the green light	— Refer to VFD error code list and match to number of blinks on the green LED of VFD.
E11	Convection Temperature High	In Combination program, cavity temperature N6 is measuring in excess of 572ºF (300ºC) for a minimum of 25 seconds In Convection program, cavity temperature N6 is measuring in excess of 572ºF (300ºC) for a minimum of 25 seconds	— Check wiring to all components mentioned below. — Steam element contactor locked/on. — N6 oven cavity temperature probe is defective. — N6 oven cavity temperature probe wires connected backwards — Relay board, high voltage, defective.
E13	Boiler Temperature High	Boiler temperature is more than 248ºF (120ºC) for more than 25 seconds, detected by B4 Probe	— Calcium build up in boiler — Check wiring to all components mentioned below. — Steam element contactor locked/on. — B4 boiler temperature probe is defective. — B4 probe wires connected backwards — Water level probe has calcium build up.
E15	Condensor Temperature High	Condensor water temperature is more than 212ºF (100ºC) for more than 180 seconds, detected by B3 probe	— Water supply is shut off. — Check wiring to all components mentioned below. — B3 condensor temperature probe is defective. — B3 condensor probe wires connected backwards — Single water solenoid valve defective (Y2). — Relay board, high voltage, defective.
E20	B11 Core Temperature Probe Single Point Fault	Single point core temperature probe defective or disconnected	— Clean probe receptacle pins with sand paper. — B11 Single Point Core Temperature probe with quick connect defective. — B11 Single Point Core Temperature probe wires with quick connect disconnected. — B11 Single Point Core Temperature probe receptacle defective. — B11 Single Point Core Temperature probe receptacle wires disconnected.
E21	N6 Cavity Probe Fault	Cavity temperature probe defective or disconnected	— N6 oven cavity temperature probe defective. — N6 oven cavity temperature probe wires.
E22	B10 Core Temperature Probe Multi-point Fault	Multipoint core temperature probe defective or disconnected	— B10 multipoint core temperature probe defective. — B10 multipoint core temperature probe wires disconnected.

CONTINUED ON NEXT PAGE

TROUBLE SHOOTING

ERROR CODES

Error Code	Error Call Out in Display	Description of Error	Possible Cause
E23	B4 Boiler Probe Fault	Boiler temperature probe defective or disconnected	— B4 boiler temperature probe defective. — B4 probe wires connected backwards.
E24	B5 Bypass Probe Fault	Bypass steam temperature probe defective or disconnected	— B5 bypass steam temperature probe defective. — B5 bypass steam temperature probe wires connected backwards.
E25	B3 Condensor Probe Fault	Condensor water temperature probe defective or disconnected.	— B3 condensor temperature probe defective. — B3 condensor probe wires connected backwards.
E26	N8 Boiler Safety Temperature Probe Fault	Boiler heating element protection probe defective or disconnected.	— N8 boiler temperature probe defective. — N8 probe wires connected backwards.
E27	Boiler Element Temperature High	Boiler protection heat element temperature detected by N8 probe is more than 266°F (130°C) for more than 25 seconds, or has reached 275°F (135°C).	— Calcium build up in boiler. — Check wiring to all components mentioned below. — Steam element contactor locked/on. — N8 boiler temperature probe defective. — N8 probe wires connected backwards. — Water level probe has calcium buildup.
E34	Steam Generator Drain Pump Fault	If water level does not drop below lower water level probe after three minutes when steam generator drain pump is activated in cleaning program.	— Calcium build up in steam generator drain pump. — Boiler drain pump defective. — Relay board, high voltage, defective. — Water level probe defective.
E36	Steam Temperature High	In Steam program, cavity temperature N6 is measuring in excess of 395ºF (200ºC) for more than 60 Seconds. In Combination program, cavity temperature N6 is measuring in excess of 520ºF (270ºC), for more than 60 Seconds. In Retherm program, cavity temperature N6 is measuring in excess of 395ºF (200ºC), for more than 60 Seconds. In Cleaning program, cavity temperature N6 is measuring in excess of 395ºF (200ºC), for more than 60 Seconds.	— Water supply is shut off. — Low water pressure. — Water injection pipe, calcium build up. — Water flow valve defect or calcium build up. — Double water solenoid valve defective (Y1). — Relay board, high voltage, defective.
E40	B3 Fault	B3 probe shorted to ground	— Defective or miswired probe.
E41	B4 Fault	B4 probe shorted to ground	— Defective or miswired probe.
E42	B5 Fault	B5 probe shorted to ground	— Defective or miswired probe.
E43	N6 Fault	N6 probe shorted to ground	— Defective or miswired probe.
E44	N8 Fault	N8 probe shorted to ground	— Defective or miswired probe.
E45	B10 Fault	B10 probe shorted to ground	— Defective or miswired probe.

CONTINUED ON NEXT PAGE

TROUBLE SHOOTING

ERROR CODES

Error Code	Error Call Out in Display	Description of Error	Possible Cause
E51	No Water In Boiler	Lower water level probe B2 is not satisfied within 5 minutes, after water solenoid valve Y1 is activated	— Water supply is shut off. — Low water pressure. — Boiler drain cap missing. — Boiler drain pump defective. — Drain pump elbow leaking. — Water level probe has calcium build up. — Double water solenoid valve defective (Y1). — Relay board, high voltage, defective.
E53	Fan Motor High Temperatures	Fan motor does not spin, result in over-heating, detected by motor coil safety thermo element. Temperature more than 320°F (160°C).	— Motor high limit open or wired incorrectly. — If LED on motor control flashes, see error codes for motor control. — Motor or fan wheel locked. — Fan wheel damaged.
E54	Lower Fan Motor High Temperature	Lower fan motor does not spin, result in over-heating, detected by motor coil safety thermo element. Temperature more than 320°F (160°C).	— Motor high limit open or wired incorrectly. — If LED on motor control flashes, see error codes for motor control. — Motor or fan wheel locked. — Fan wheel damaged.
E55	Vent Not Open	60 seconds after the venting motor is activated the vent motor safety switch did not open.	— Alignment issue between motor cam and vent motor safety switch (micro switch). — Faulty vent valve (motor). — Faulty vent valve safety switch (micro switch).
E56	Vent 2 not open	60 seconds after the venting motor is activated the vent motor safety switch did not open.	— Alignment issue between motor cam and vent motor safety switch (micro switch). — Faulty vent valve (motor). — Faulty vent valve safety switch (micro switch).
E57	No Rinse Water	Flow switch for solenoid valve Y4 does not detect any water flow for a minimum of 60 seconds.	— Water supply is shut off. — Low water pressure. — Flow switch is dirty or defective. — Double water solenoid valve defective (Y3). — Relay board, high voltage, defective.
E88	Lower Gas Ignition Failure	Reset output from Ignition Module is ON	— Hot surface ignitor not functioning. — No gas supply. — Flame sensor not functioning. — Faulty ignition control.
E89	Upper Gas Ignition Failure	Reset output from Ignition Module is ON	— Hot surface ignitor not functioning. — No gas supply. — Flame sensor not functioning. — Faulty ignition control.
E90	Lower Gas Combustion Blower Not at Speed	Speed is too slow.	— Power supply cable is not connected to blower motor. — Speed control cable is not connected to blower motor. — Blower motor is blocked, rotation is impeded, or motor is faulty. — Faulty control board.

CONTINUED ON NEXT PAGE

ERROR CODES

Error Code	Error Call Out in Display	Description of Error	Possible Cause
E91	Upper Gas Blower Not at Speed	Speed is to slow.	— Power supply cable is not connected to blower motor — Speed control cable is not connected to blower motor — Blower motor is blocked, rotation is impeded, or motor is faulty — Faulty control board
E92	Communication Error CB does not properly respond	Twelve (12) instances of no-response from the relay board (CB) to the display board (IB).	— Check CAN cable connections mentioned below. — CAN cable defective. — Relay board, low voltage, connector defective. — Display board connector defective.
E94	Communication Error, TO Interface Board	No signal transfer for more than 5 seconds between the Interface Board (IB) and the Control Board (CB).	— Check CAN cable connections mentioned below. — CAN cable defective. — Relay board, low voltage, connector defective. — Display board connector defective.
E100	One or more maintenance reminder has timed out.	When any maintenance reminder has expired without action having been taken by the operator.	— Enter maintenance reminder screen and address the item that has timed out and reset
E101	Ventless Hood Fault - No Pressure	If the power switch or pressure switch is not closed.	— Check power switch is on. — Check vent motor is turning in the proper direction. — Pressure switch is mis-wired or defective. — Filter(s) require cleaning or replacement
E102	Ventless Hood Fault — Filters Not Present	If the air filter switches are not closed.	— Check filters are installed and properly seated. — Check filter switches are not damaged, defective or dislodged.
E103	Option Board Doesn't Send Switch Setting	OB not communicating its switch settings to the CB.	— Check CAN cable connection between OB and CB. — Ensure CB dip switch is set to see an OB. — Incompatible OB and CB software (update software). — OB defective. — CB defective.
E104	Option Board Not Communicating	Option board is not communicating with CB.	— Check option board CAN connection at CB and OB. — Defective OB. — Defective CB.
E105	No or Low Water Pressure	Water pressure switch not activated.	— Water supply not connected. — Water supply is shut off. — Water supply to unit blocked or obstructed — Faulty or miswired pressure switch
E106	Boiler Drain Pump Fault	Hall effect or rotational sensor is not sending a signal to the relay board	— Drain pump motor not running or defective. — Hall effect sensor broken or incorrectly wired. — Motor improperly wired.

CONTINUED ON NEXT PAGE

ERROR CODES

Error Code	Error Call Out in Display	Description of Error	Possible Cause
E108	Cooling Fan Failure	If the temperature on the control board (relay board) is greater than 140ºF (60ºC) and less than 176ºF (80ºC). (See error code E02)	— Cooling fan damaged. — Cooling fan blocked or blades have been kept from rotating. — Incoming air temperature exceeds 100°F (38°C). — Air inlet has become blocked.
E109	High Limit Switch	The High Limit Switch input to the CB (N7) is “open”	— Unit has experienced an over heat condition. — Convection element contactors stuck closed. — Failed Y1 solenoid. — Obstruction between Y1 solenoid and injection pipe. — Improperly connected drain. — Condensate pan clean out not closed. — Improperly wired high limit switch at the switch or at the CB. — Defective high limit switch.

SEE MOTOR CONTROL ERROR CHART ON NEXT PAGE

TROUBLE SHOOTING

TOUCH MOTOR CONTROL ERROR CODES

Type of Error	Indication	Release of Error
Undervoltage	LED flashing sequence, with 1 flash per period.	Voltage of intermediate circuit is less than 250V
Overvoltage	LED flashing sequence, with 2 flashes per period.	Voltage of intermediate circuit exceeds 445V
Excess Temperature	LED flashing sequence, with 3 flashes per period.	Temperature sensor in the power unit is more than 199°F (93°C)
Current Peak	LED flashing sequence, with 4 flashes per period.	Blocked motor, detected by current peak monitoring from 900 rpm rotating field
Overcurrent	LED flashing sequence, with 5 flashes per period.	Intermediate circuit current exceeds 4.0 A
Short-circuit	LED flashing sequence, with 6 flashes per period.	Release of interrupt at intermediate circuit current larger than 53 A
Power on	LED flashing sequence, with 7 flashes per period.	Effective mains voltage does not correspond to jumper setting 115V/230V
Watchdog	LED flashing sequence, with 8 flashes per period.	Watchdog of the microcontroller released, program crash

TROUBLESHOOTING TREES

ALL TROUBLESHOOTING TREES BASED ON A 7-20 208/240V 3PH MODEL RUNNING ON ECO POWER SETTING UNLESS OTHERWISE NOTED

Unit Dead – No Display No Operation D-2
No Steam Production – Steam at 212°F (100°C) PROformance Electric D-3
No Steam Production – Steam Below 212°F (100°C) PROformance Electric D-4
No Convection Heat PROformance Electric D-5
No Convection Motor Operation (E3/E4) PROformance D-6
No Grease Collection Operation PROformance D-7
No Liquid Clean Injection PROformance D-8
No Smoke Production in Smoke Cycle PROformance D-9
No Condensate Cooling (E15) PROformance and Classic D-10
No Condensate Cooling (E15) PROformance and Classic D-11
No Condensate Cooling (E15) PROformance and Classic D-12
No Steam Generator Fill PROformance Electric D-13
No Steam Production – Steam at 212°F (100°C) PROformanc D-14
No Steam Production – Steam Below 212°F (100°C) PROformance D-15
Unit Dead – No Display No Operation Classic D-16
No Convection Heat Classic D-17
No Steam Production – Steam at 212°F (100°C) Classic Electric D-18
No Steam Production – Steam Below 212°F (100°C) Classic Electric D-19
No High Speed Convection Motor Operation (E3/E4) Classic D-20
No Low Speed Convection Motor Operation (E3/E4) Classic D-21
No Combustion On A Call For Heat PROformance and Classic Gas D-22
No Convection Heat PROformance Gas D-23
No Convection Heat Classic Gas D-24
No Steam Production – Steam at 212°F (100°C) PROformance Gas D-25
No Steam Production – Steam at 212°F (100°C) Classic Gas D-26
No Steam Production – Steam Below 212°F (100°C) PROformance Gas D-27
No Steam Production – Steam Below 212°F (100°C) Classic Gas D-28

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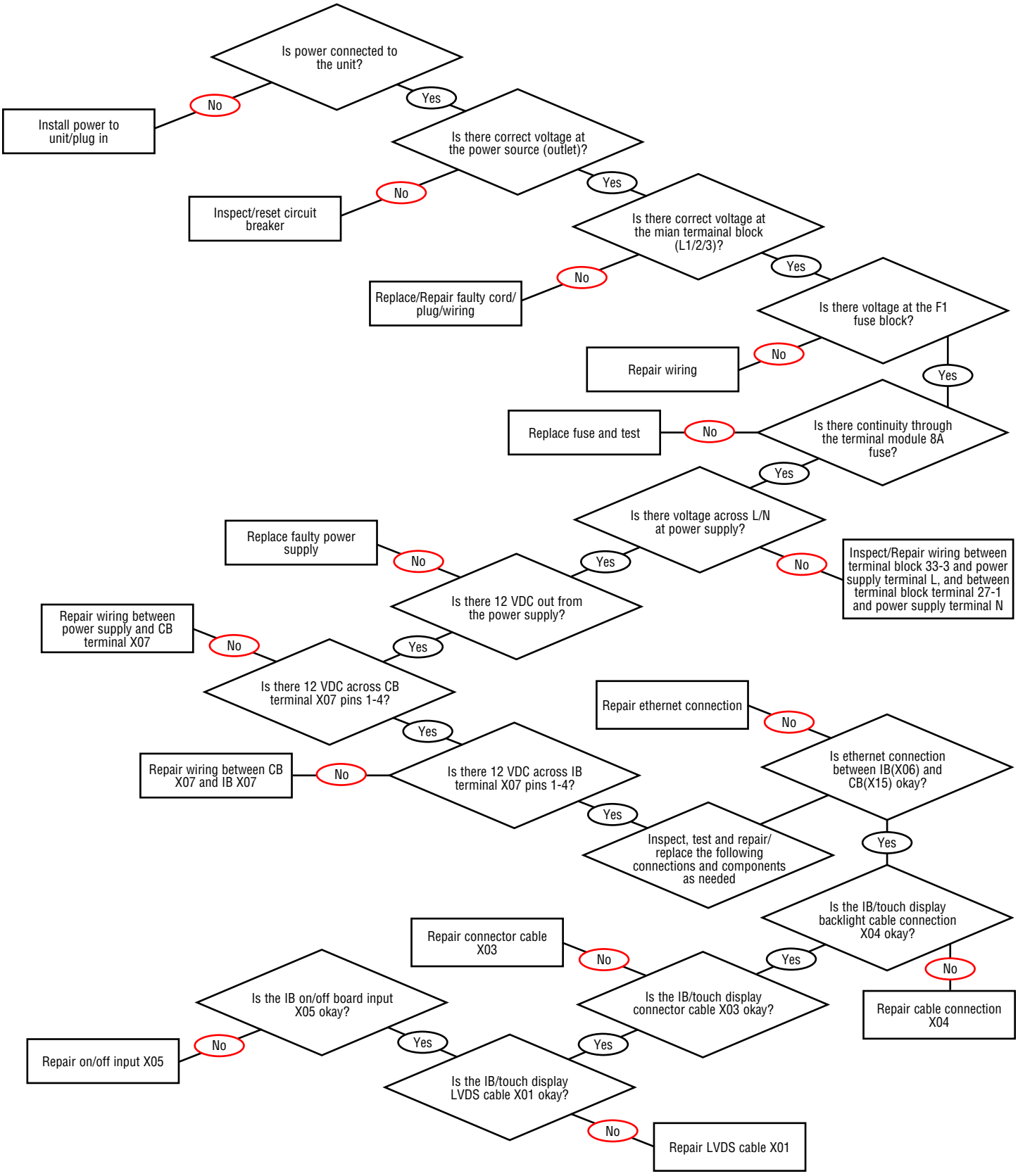
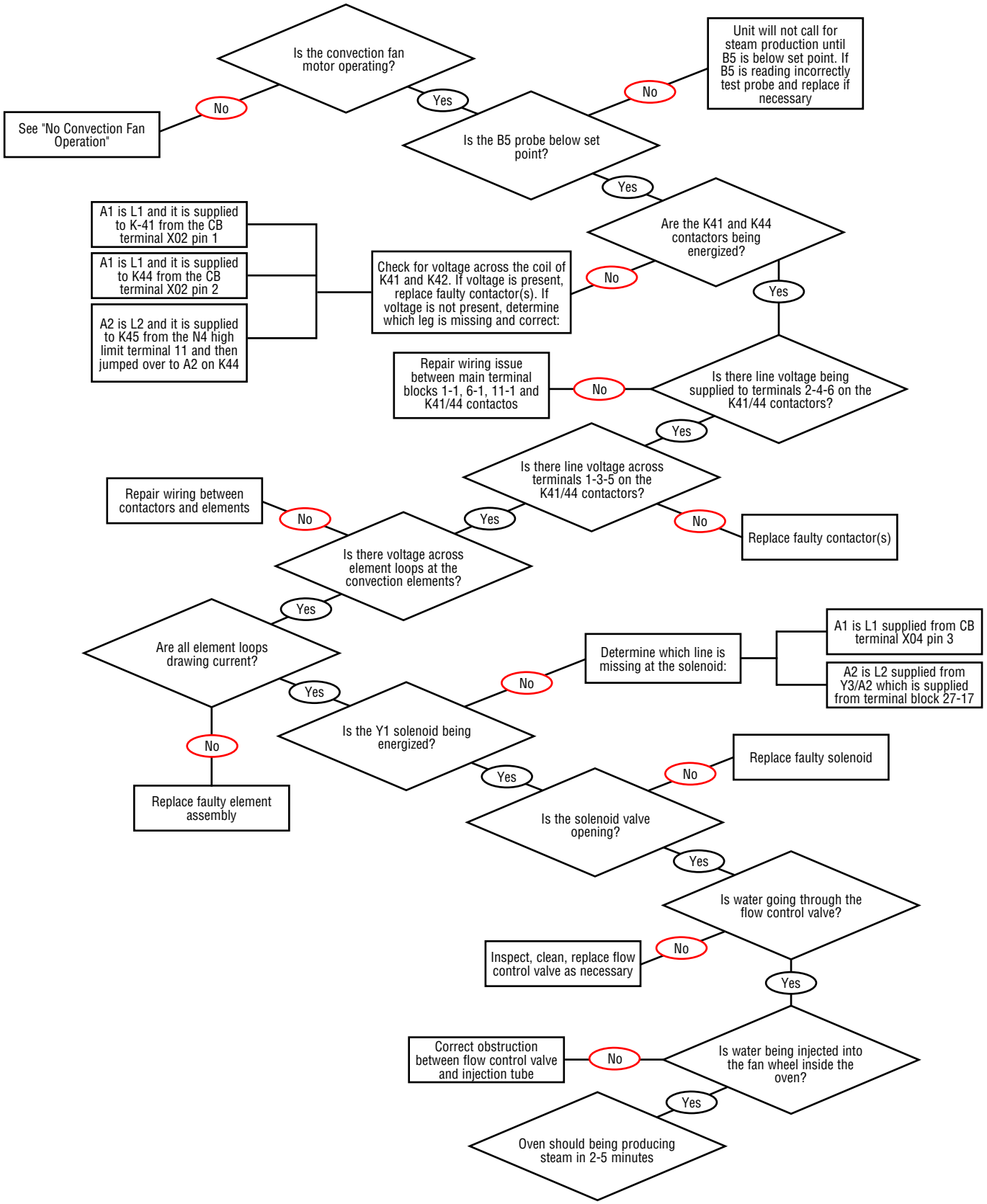
TROUBLESHOOTING TREES

PROformance
Unit Dead - No Display No Operation

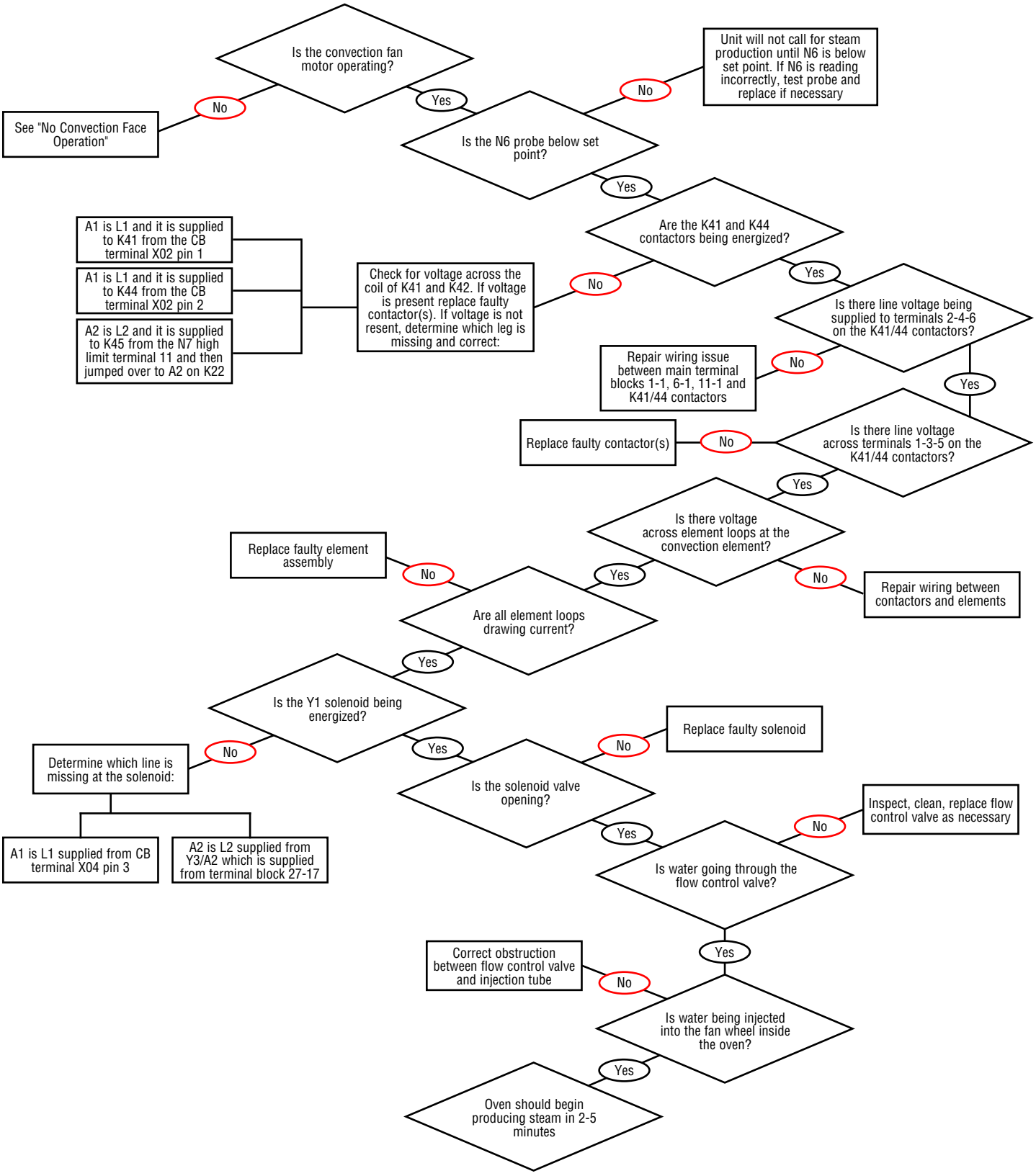


PROformance Electric Boiler-Free
No Steam Production — Steam at 212°F (100°C)

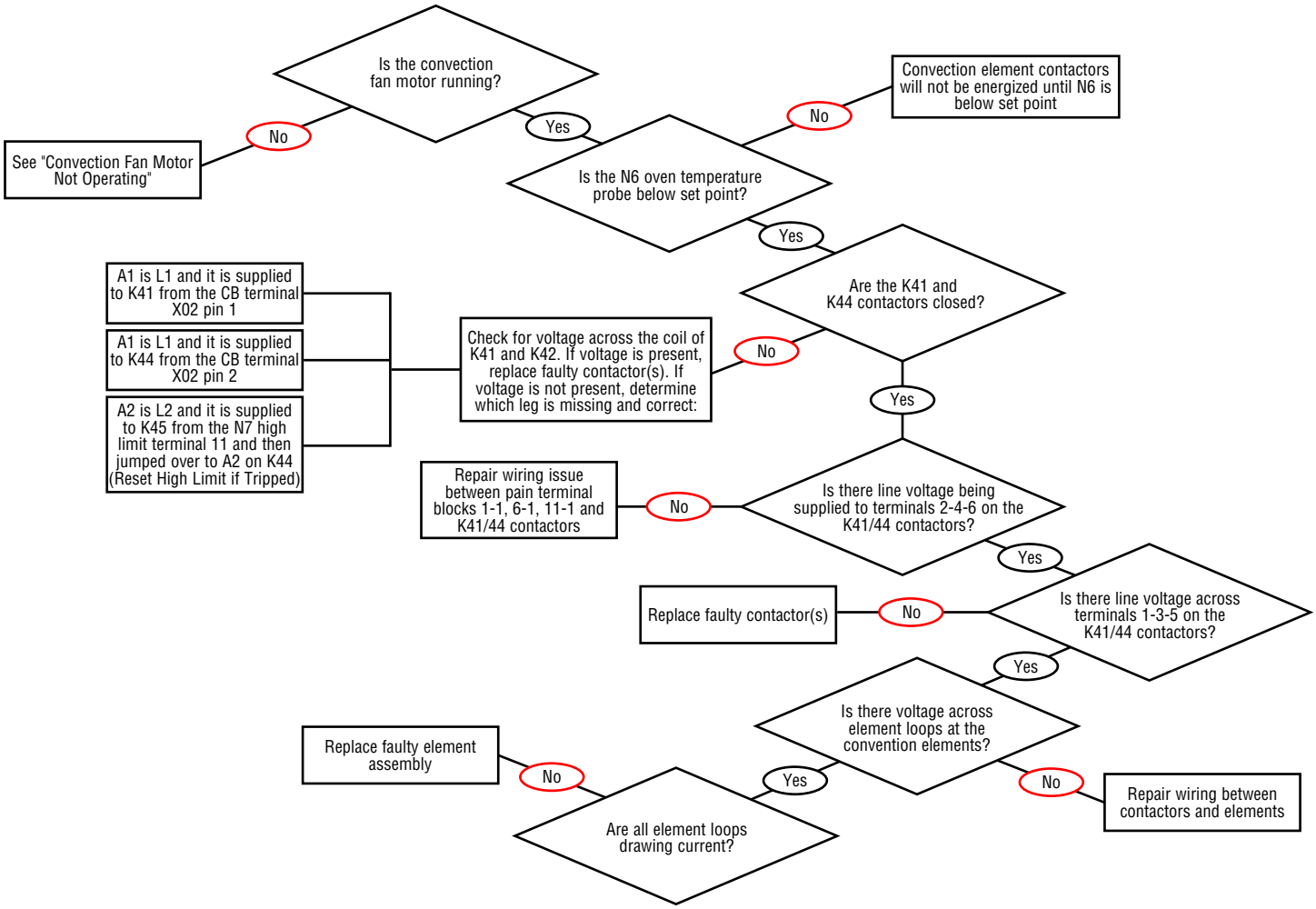


TROUBLESHOOTING TREES

PROformance Electric Boiler-Free
No Steam Production — Steam Below 212°F (100°C)

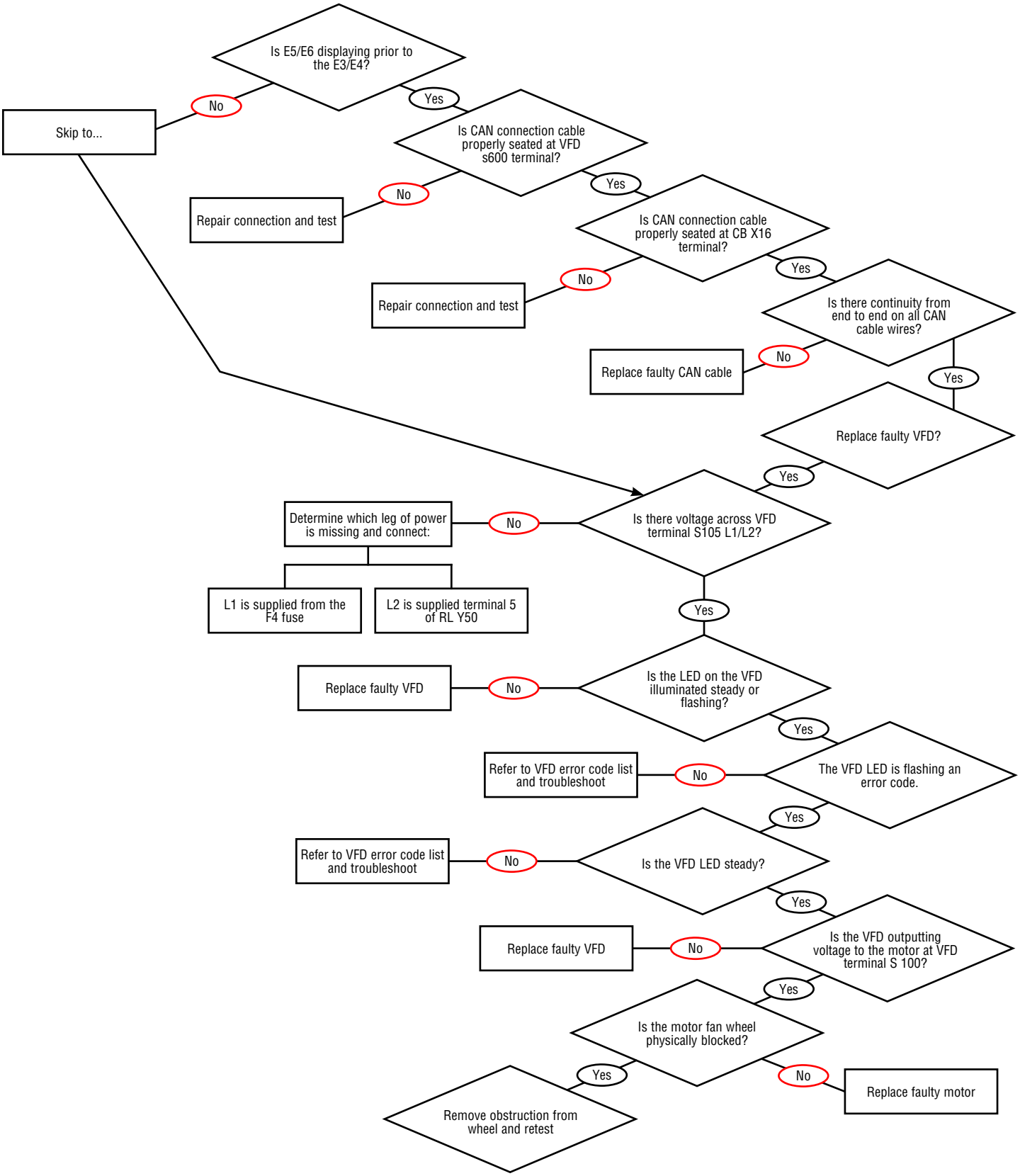


PROformance Electric
No Convection Heat

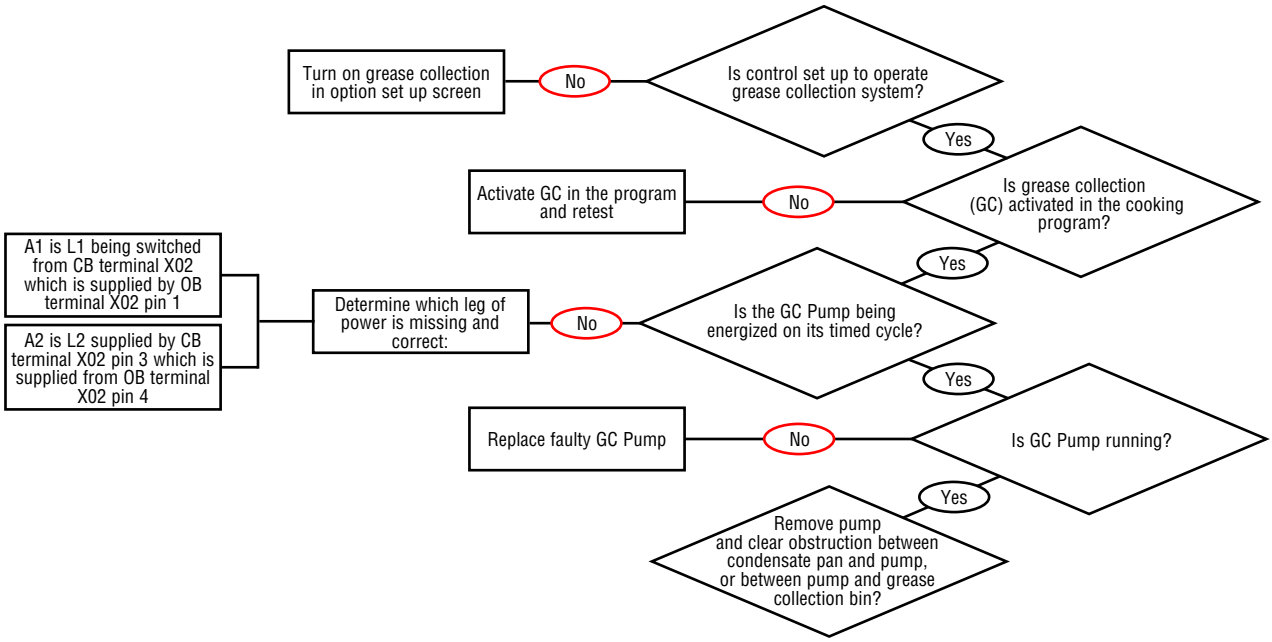


TROUBLESHOOTING TREES

PROformance
No Convection Motor Operation (E3/E4)

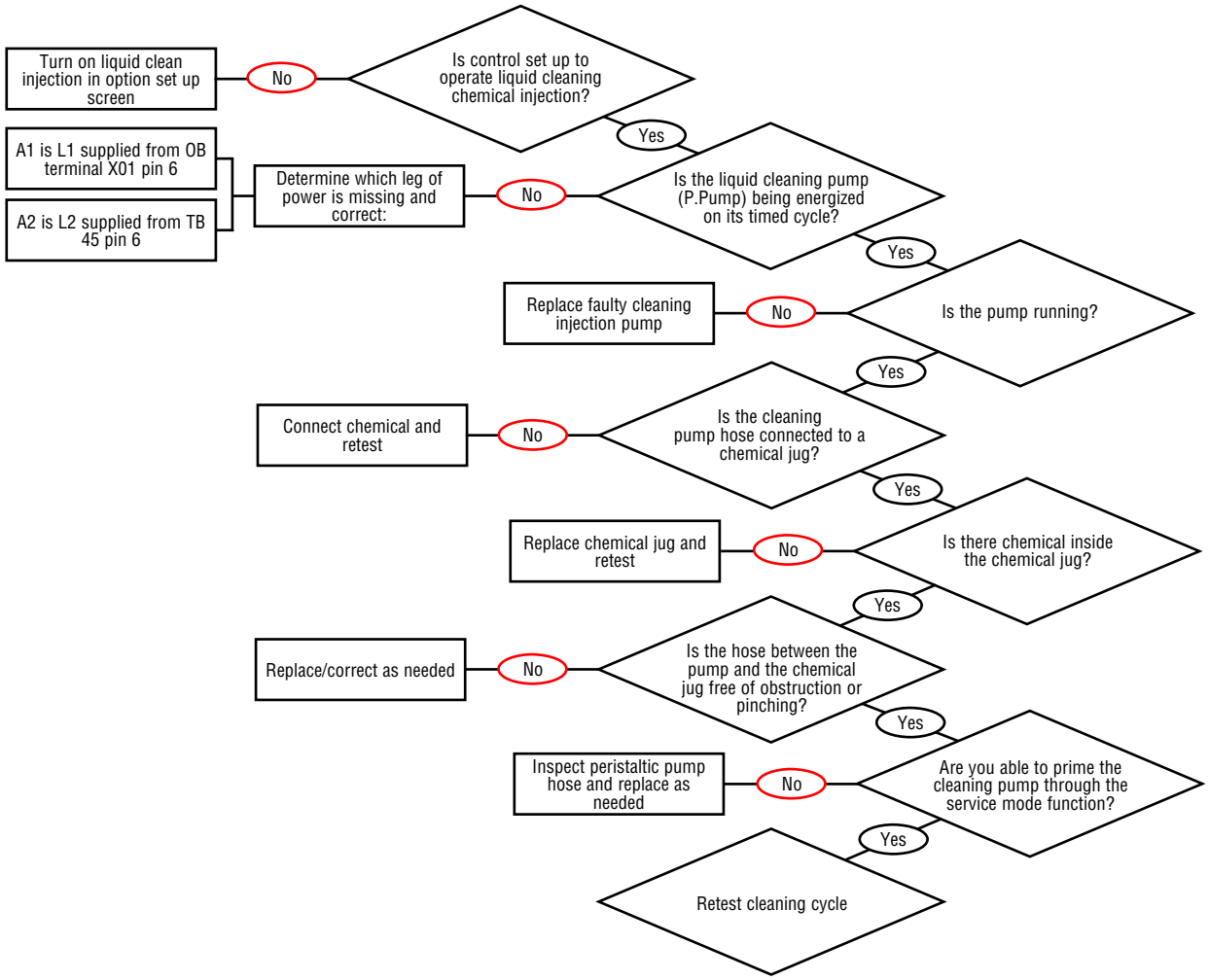


PROformance
No Grease Collection Operation

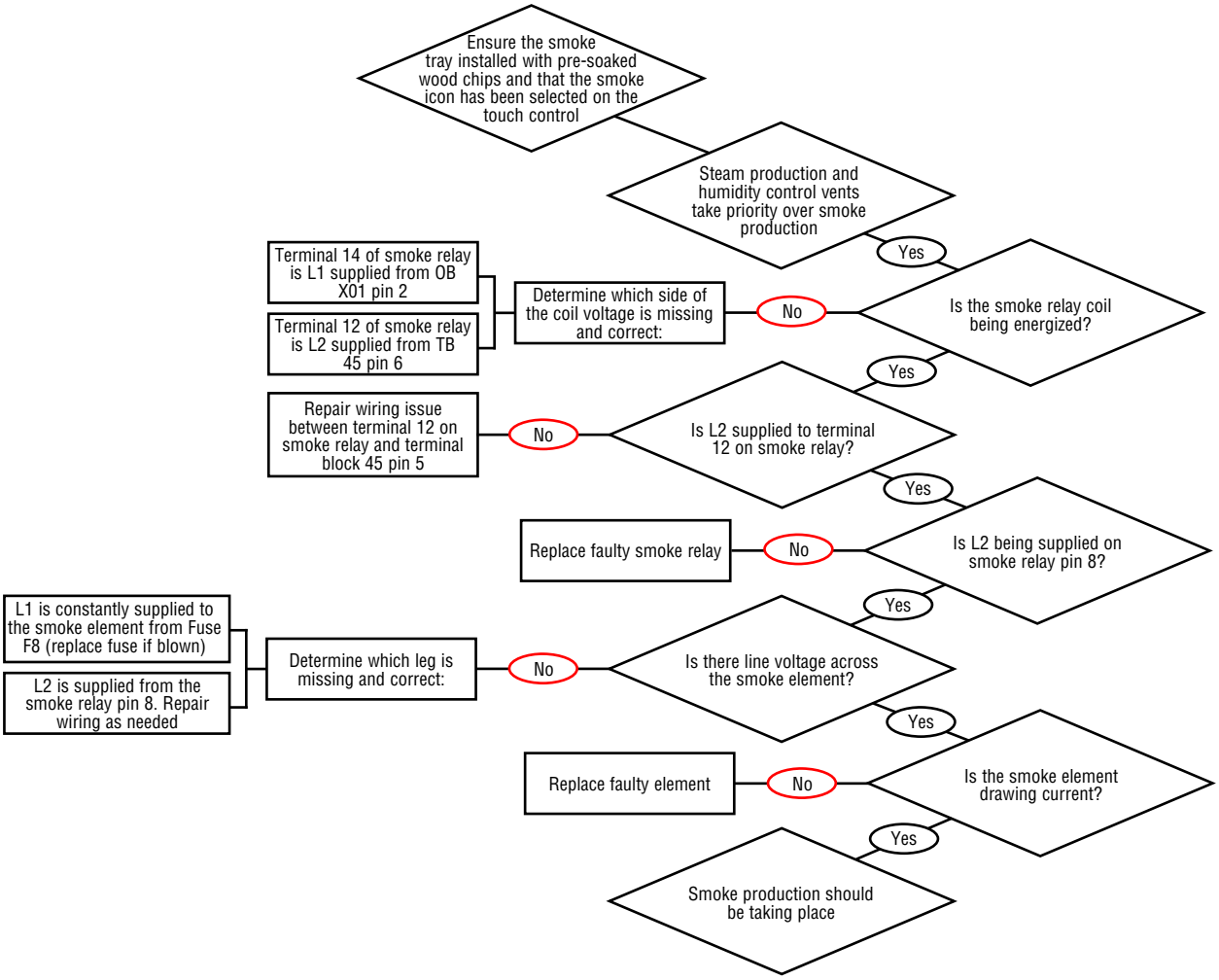


TROUBLESHOOTING TREES

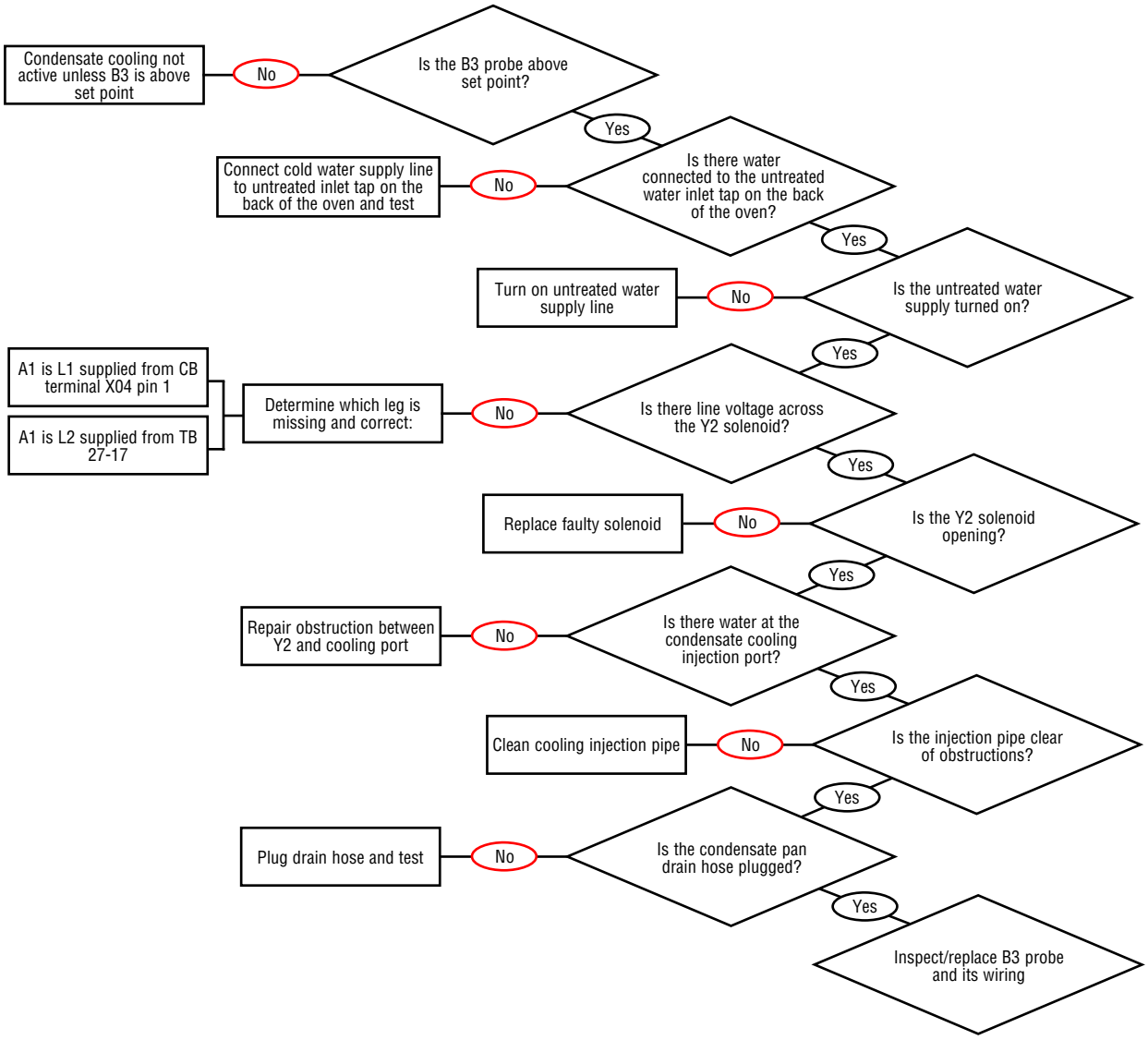
PROformance
No Liquid Clean Injection



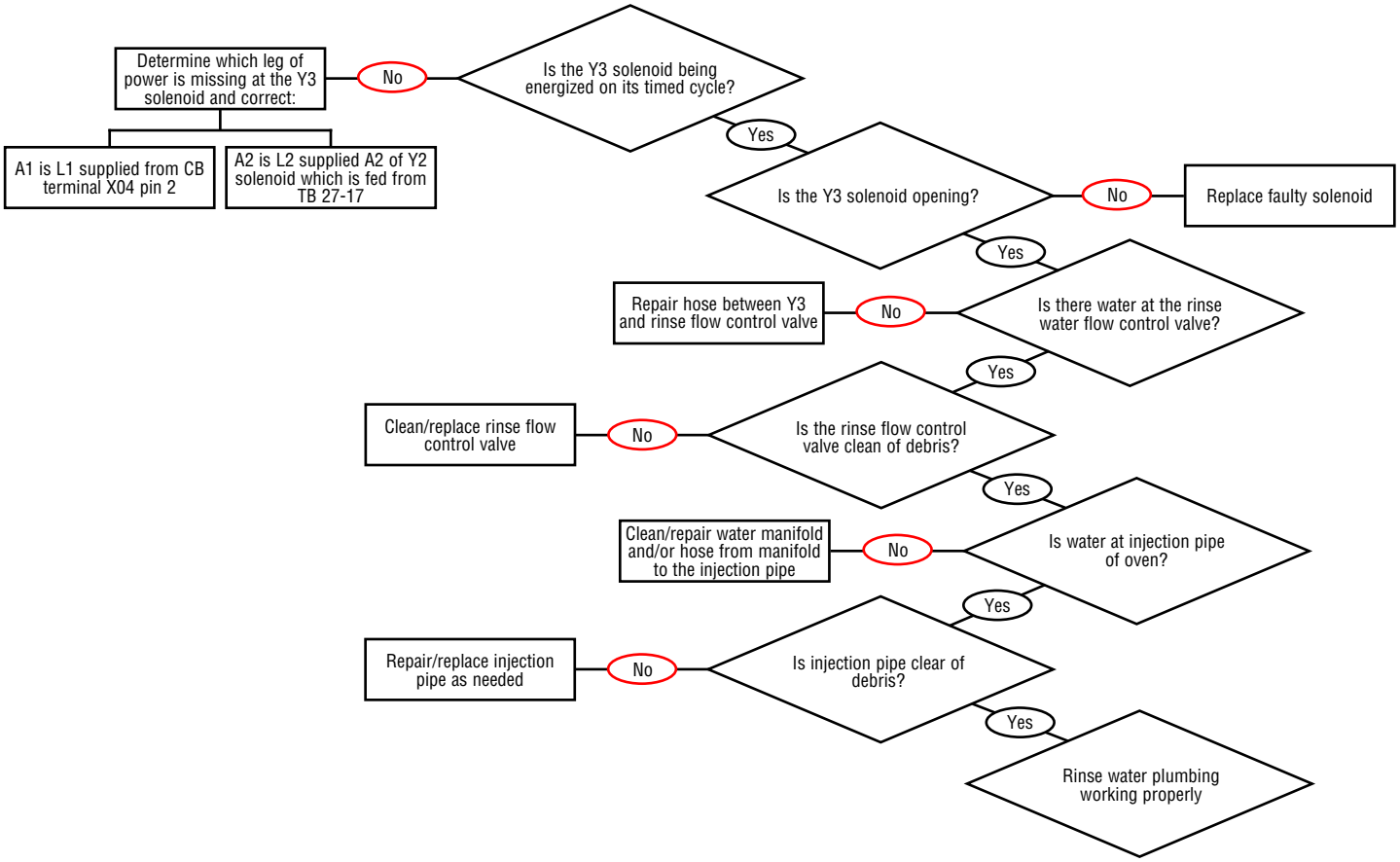
PROformance
No Smoke Production in Smoke Cycle



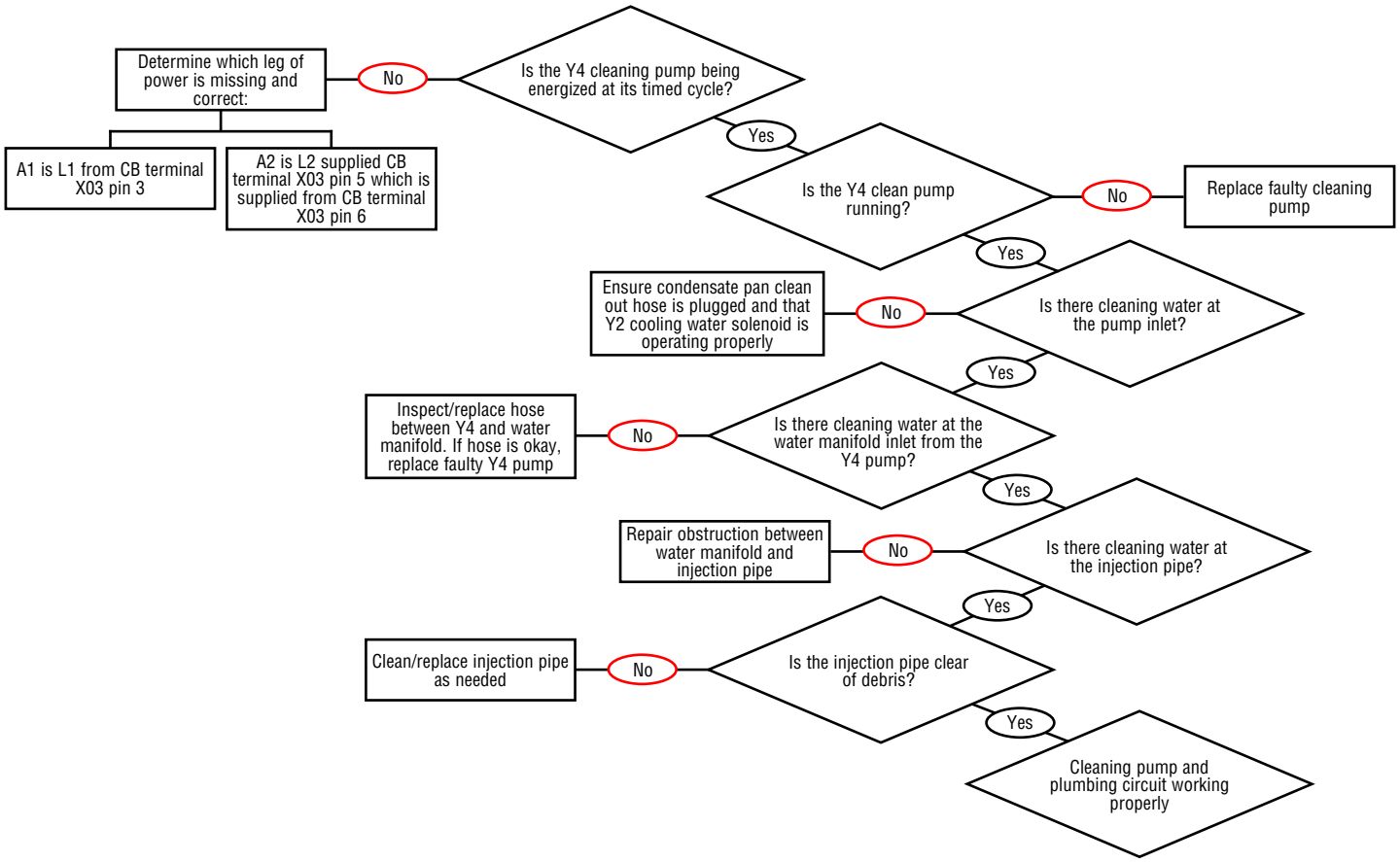
PROformance and Classic
No Condensate Cooling (E15)



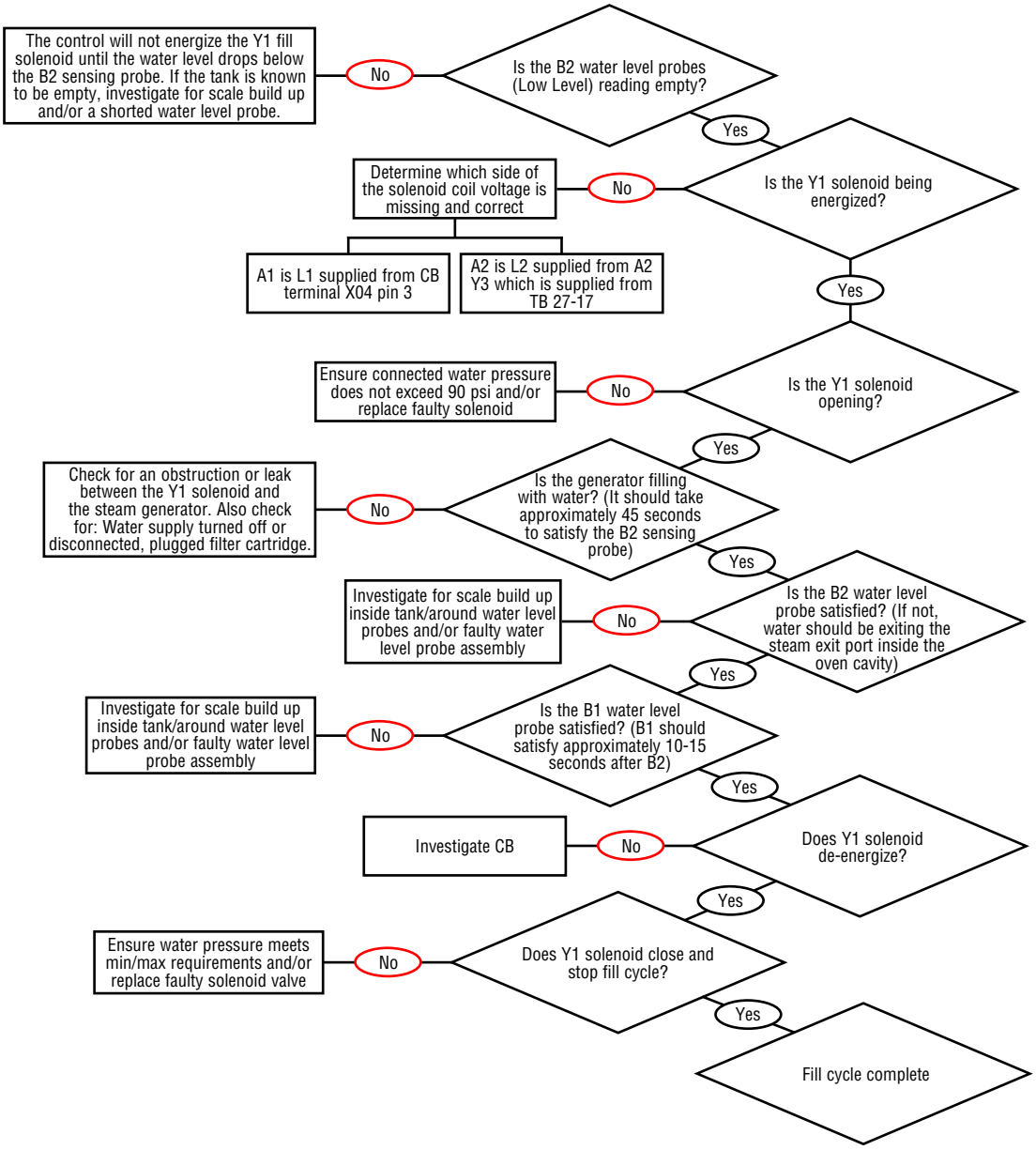
PROformance and Classic
No Condensate Cooling (E15)



PROformance and Classic
No Condensate Cooling (E15)

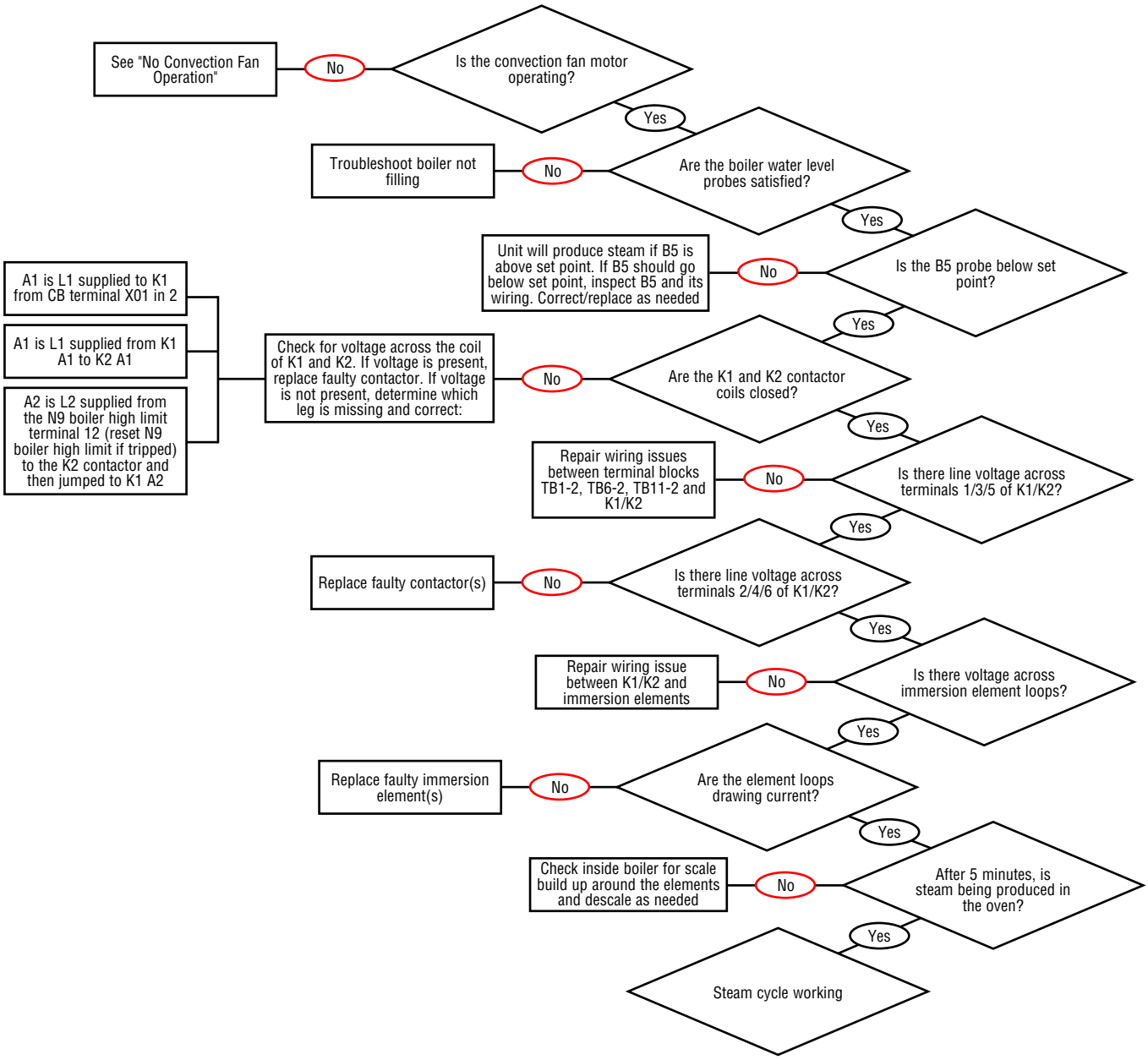


PROformance Electric with Boiler
No Steam Generator Fill

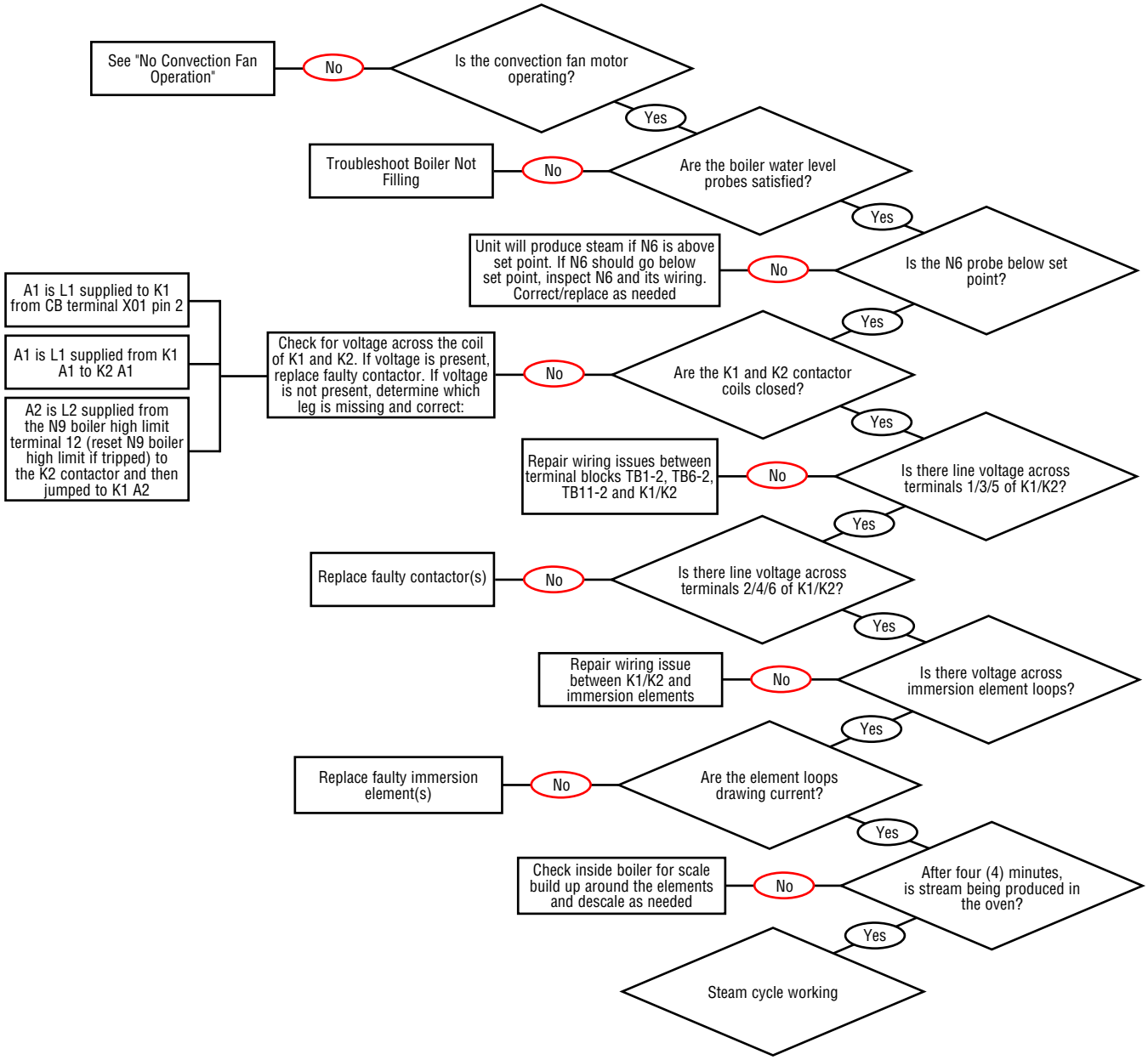


TROUBLESHOOTING TREES

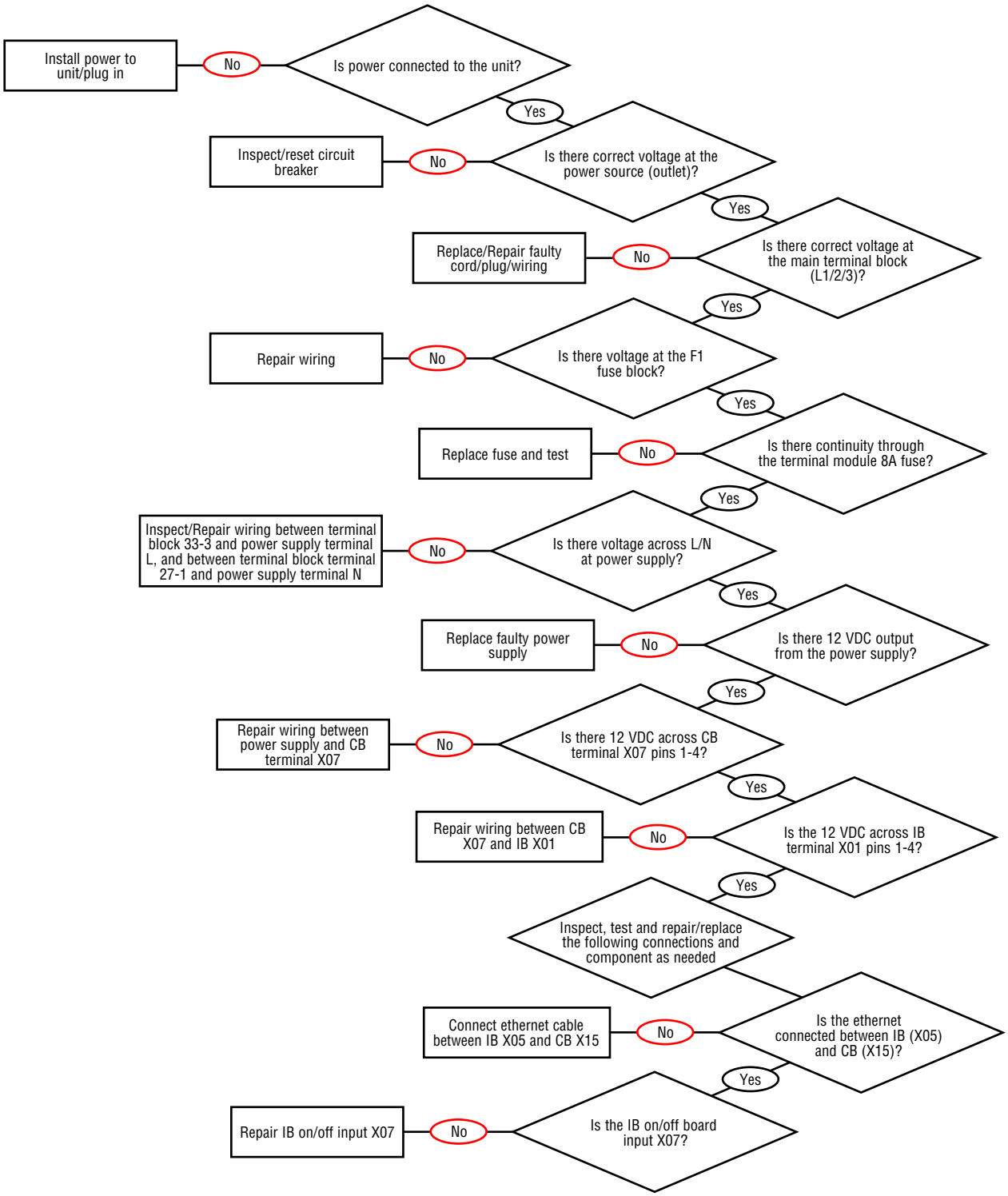
PROformance with Boiler Option
No Steam Production — Steam at 212°F (100°C)



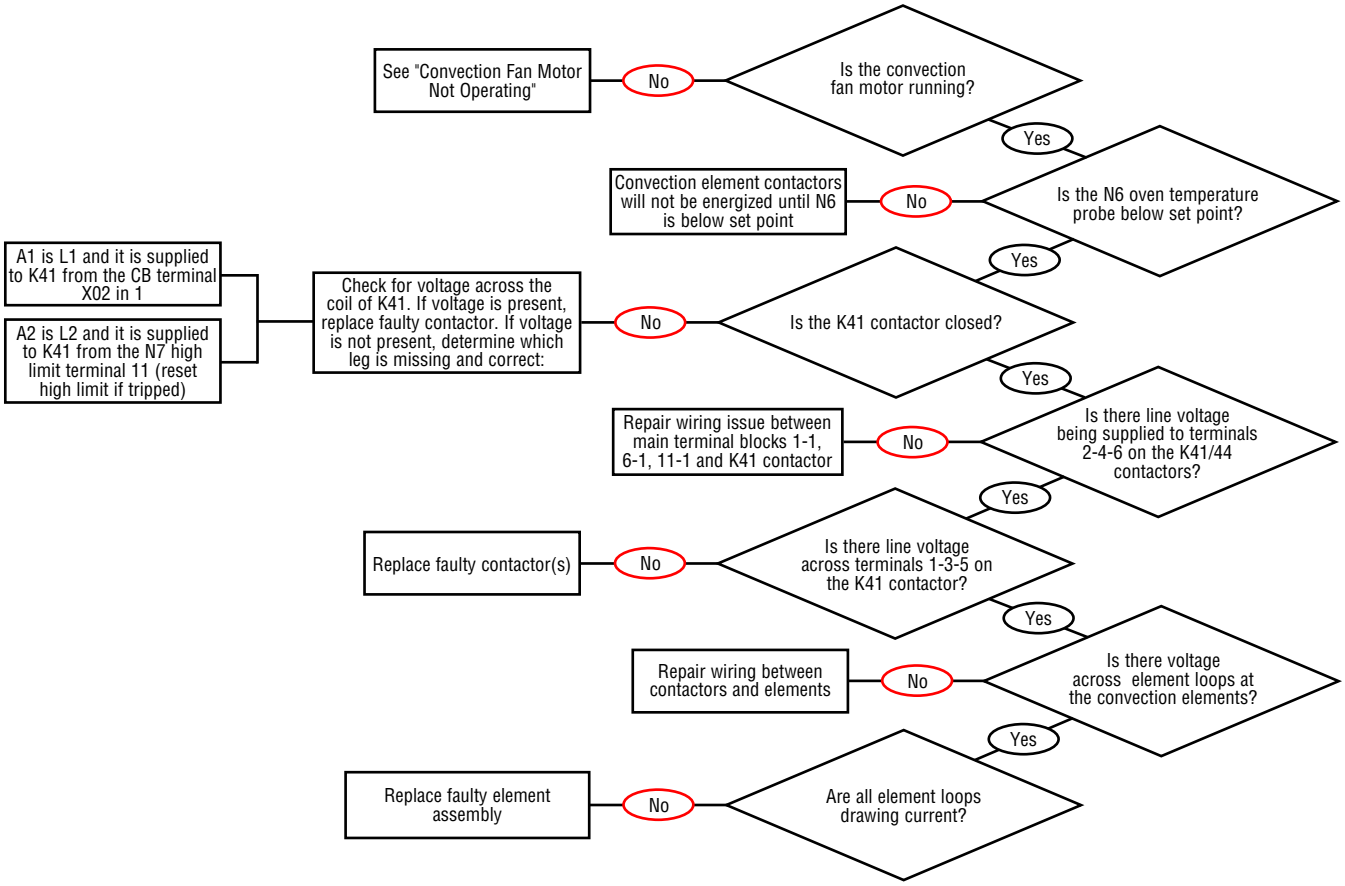
PROformance with Boiler Option
No Steam Production — Steam Below 212°F (100°C)



Classic Boiler Free
Unit Dead — No Display No Operation

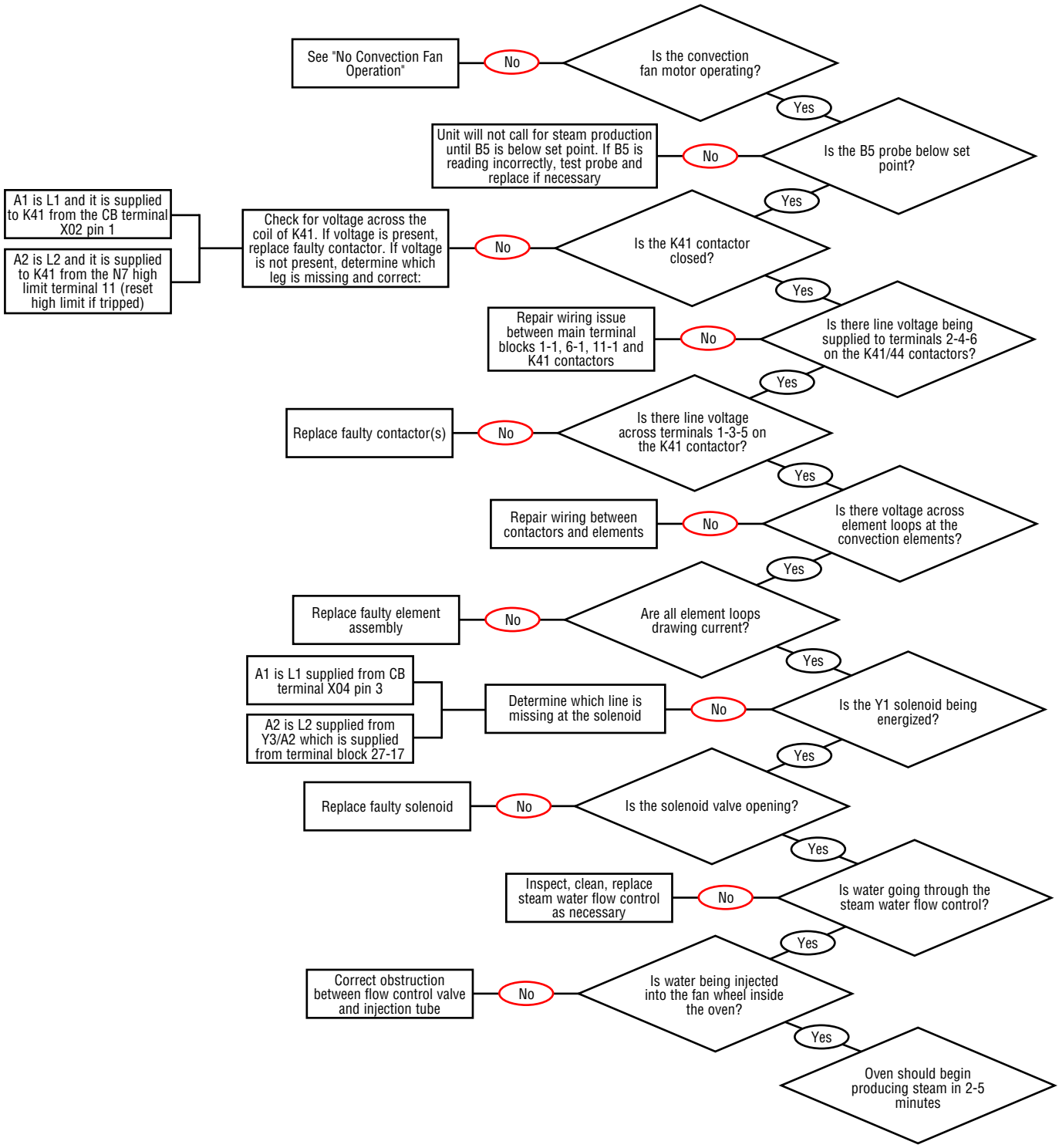


Classic
No Convection Heat

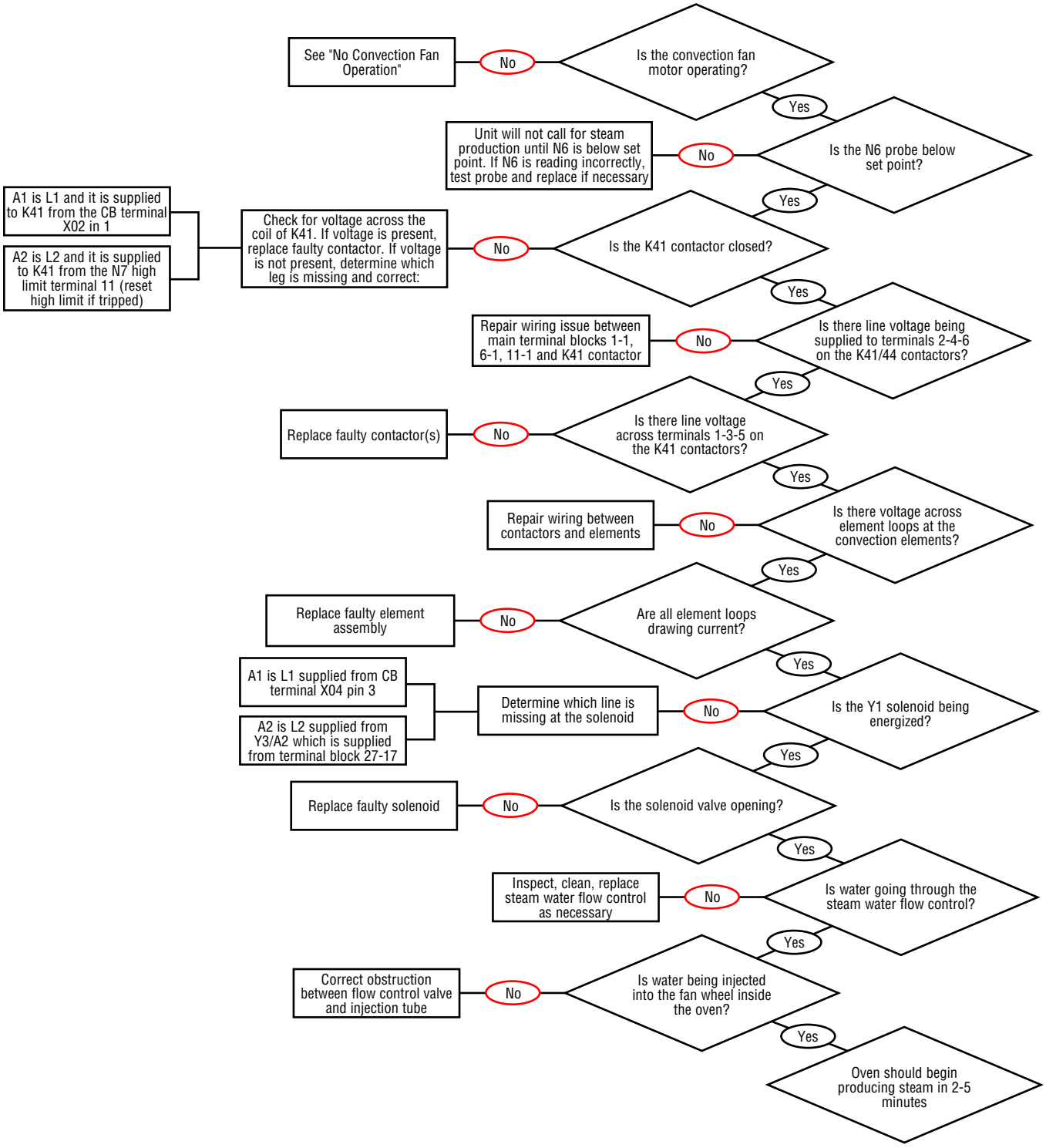


TROUBLESHOOTING TREES

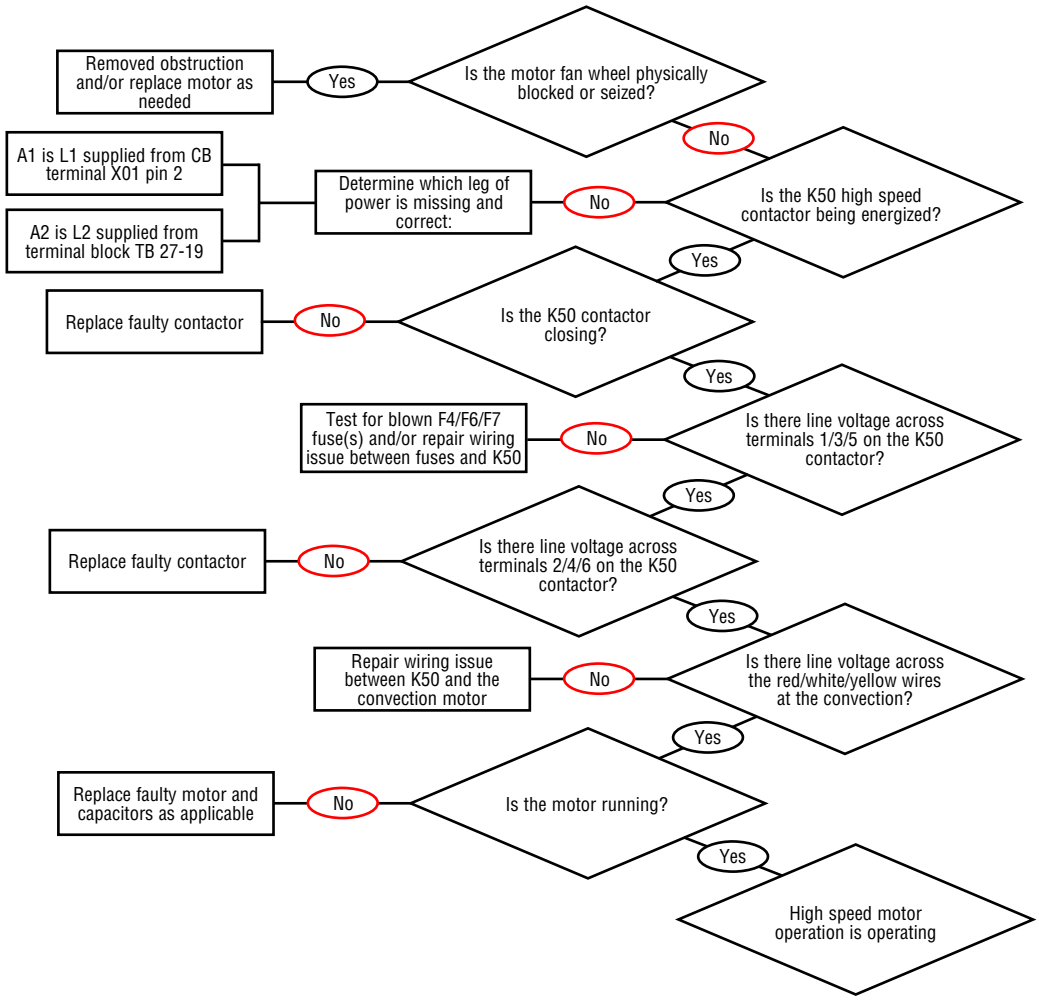
Classic Electric Boiler-Free
No Steam Production — Steam at 212°F (100°C)



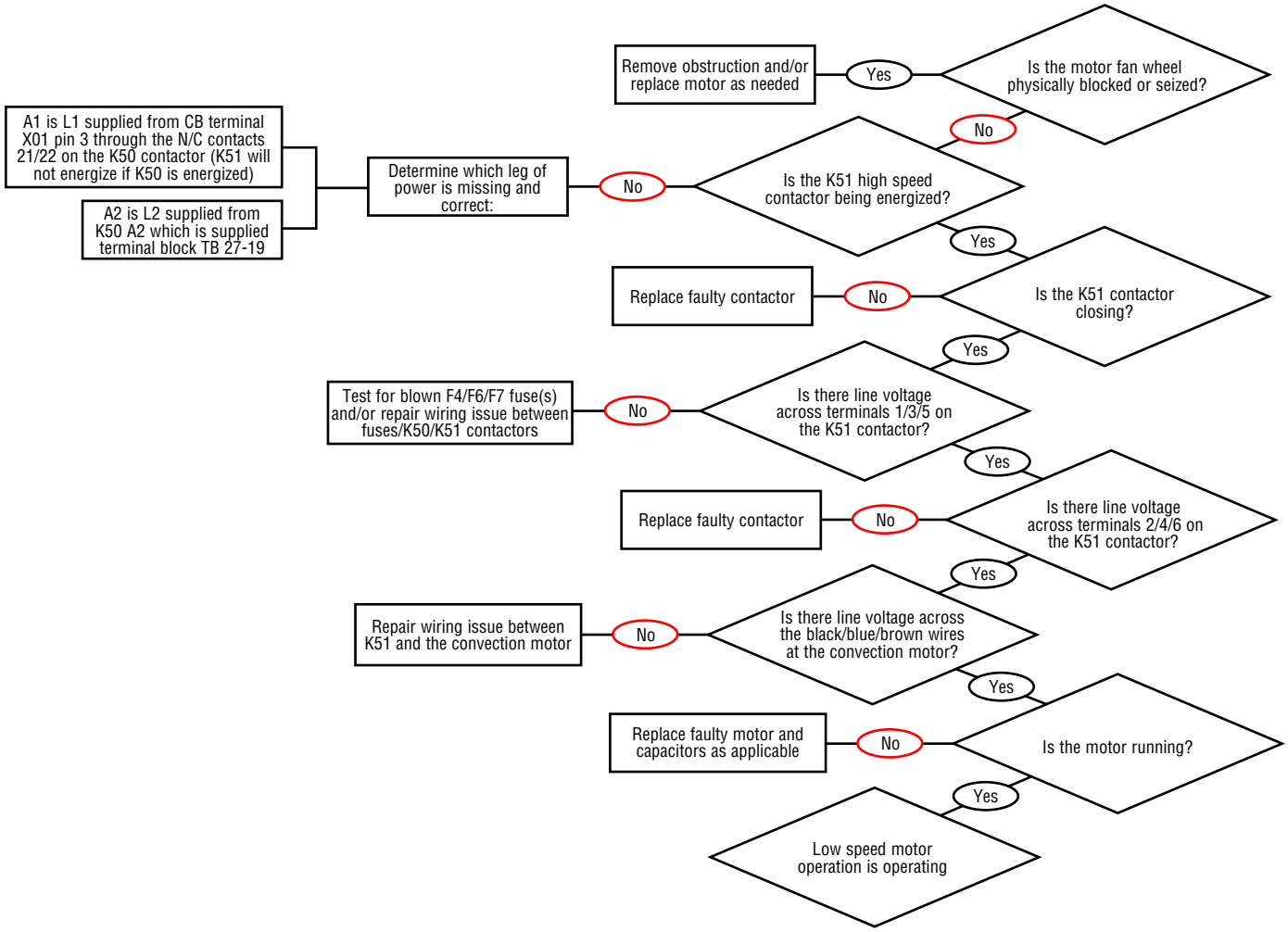
Classic Electric Boiler-Free
No Steam Production — Steam Below 212°F (100°C)



Classic
No High Speed Convection Motor Operation (E3/E4)



Classic
No Low Speed Convection Motor Operation (E3/E4)

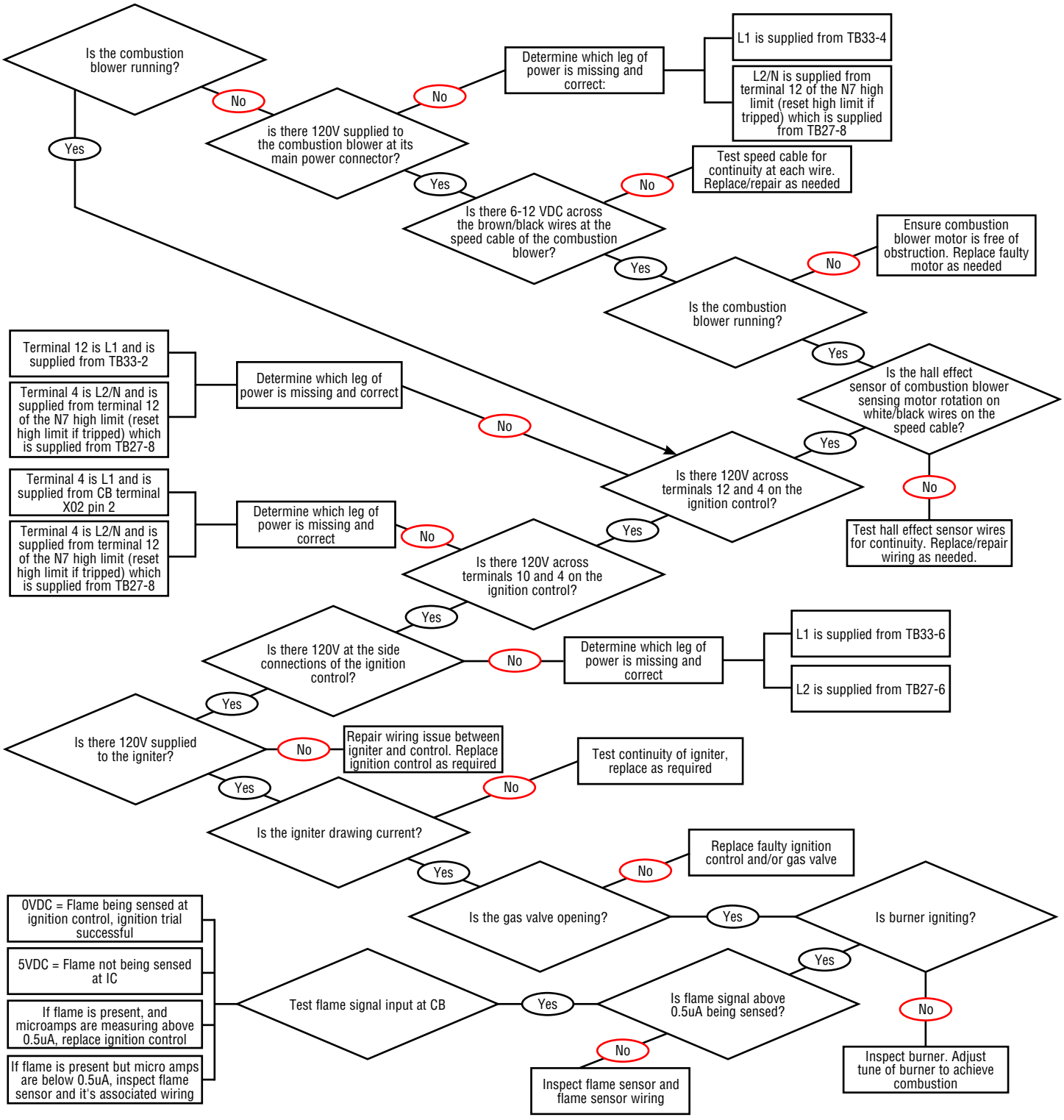


TROUBLESHOOTING TREES

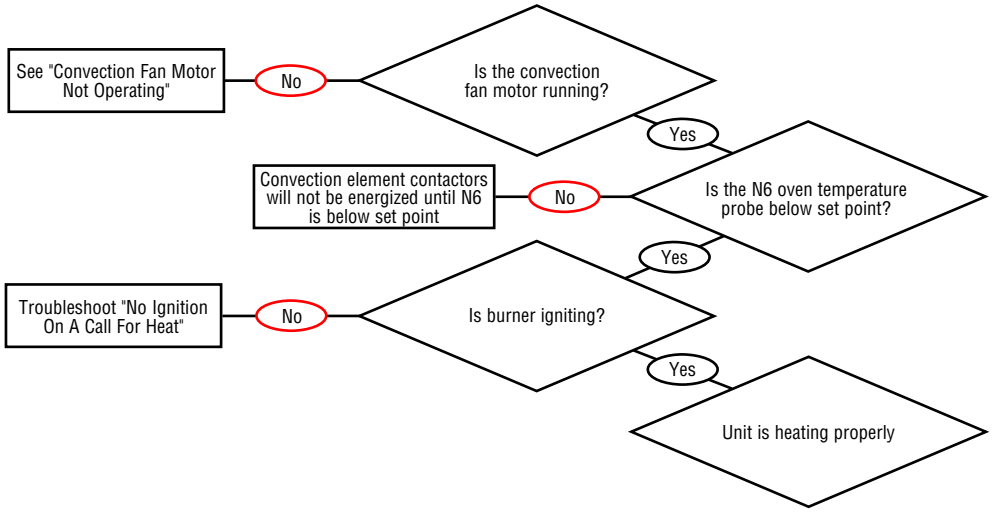
PROformance and Classic Gas
No Combustion On A Call For Heat

*All GAS troubleshooting trees based on a 7-20 120V 1PH model runnin at "ECO" power setting unless otherwise noted.

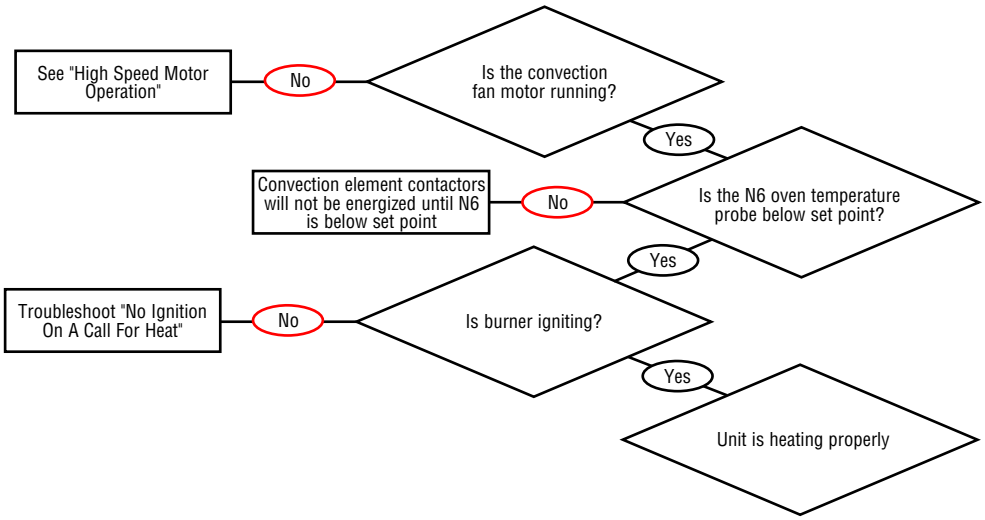
The gas pressure to the appliance should be tested first to ensure that the connected pressure falls between the minimum/maximum pressures called out in the installation manual for the appliance.



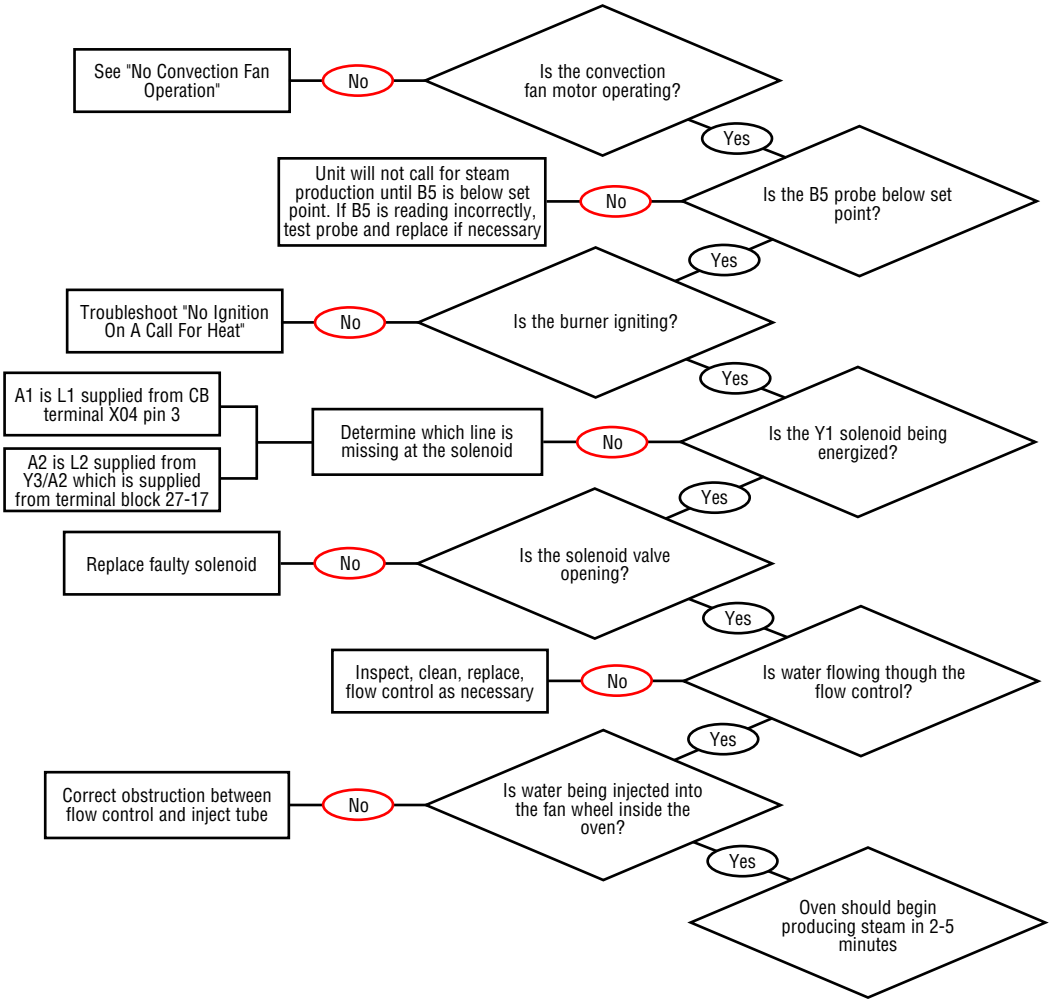
PROformance Gas
No Convection Heat



Classic Gas
No Convection Heat

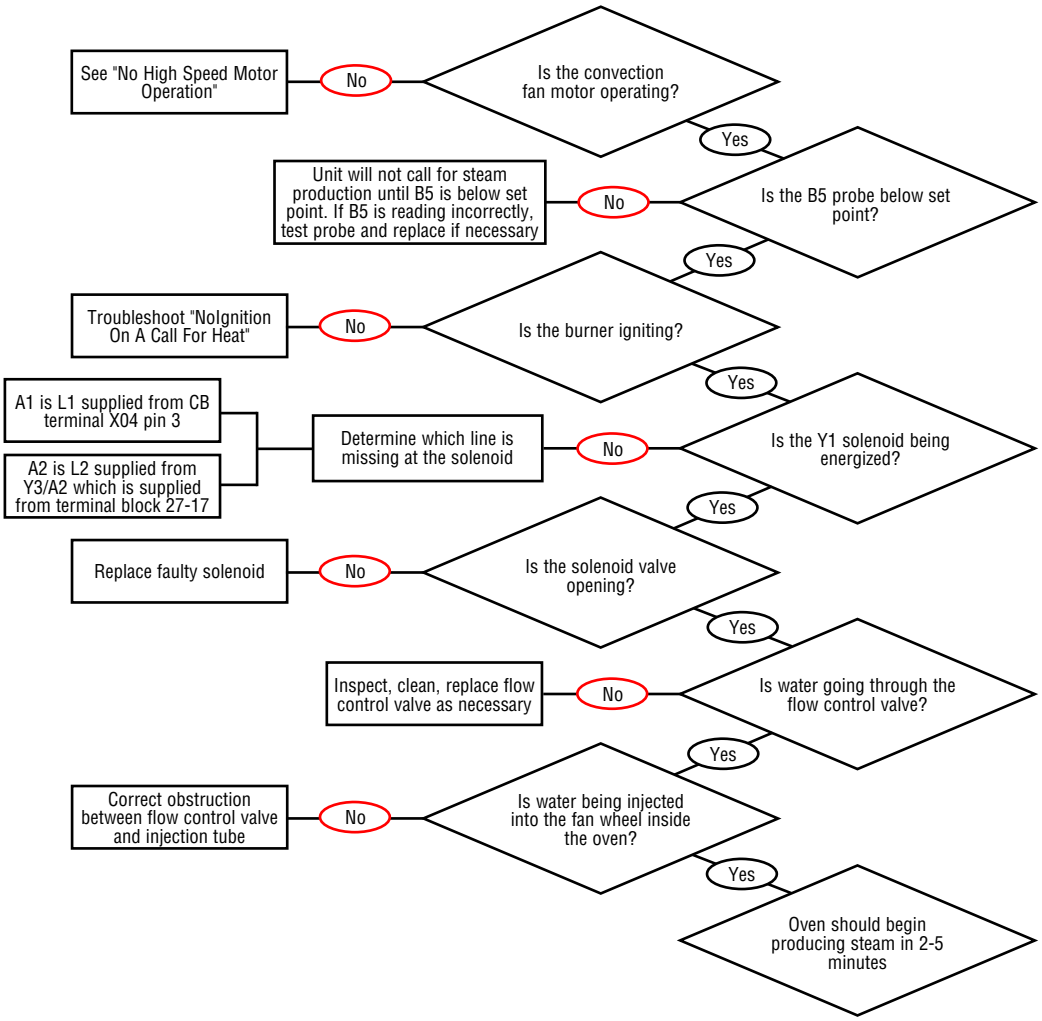


PROformance Gas Boiler-Free
No Steam Production — Steam at 212°F (100°C)

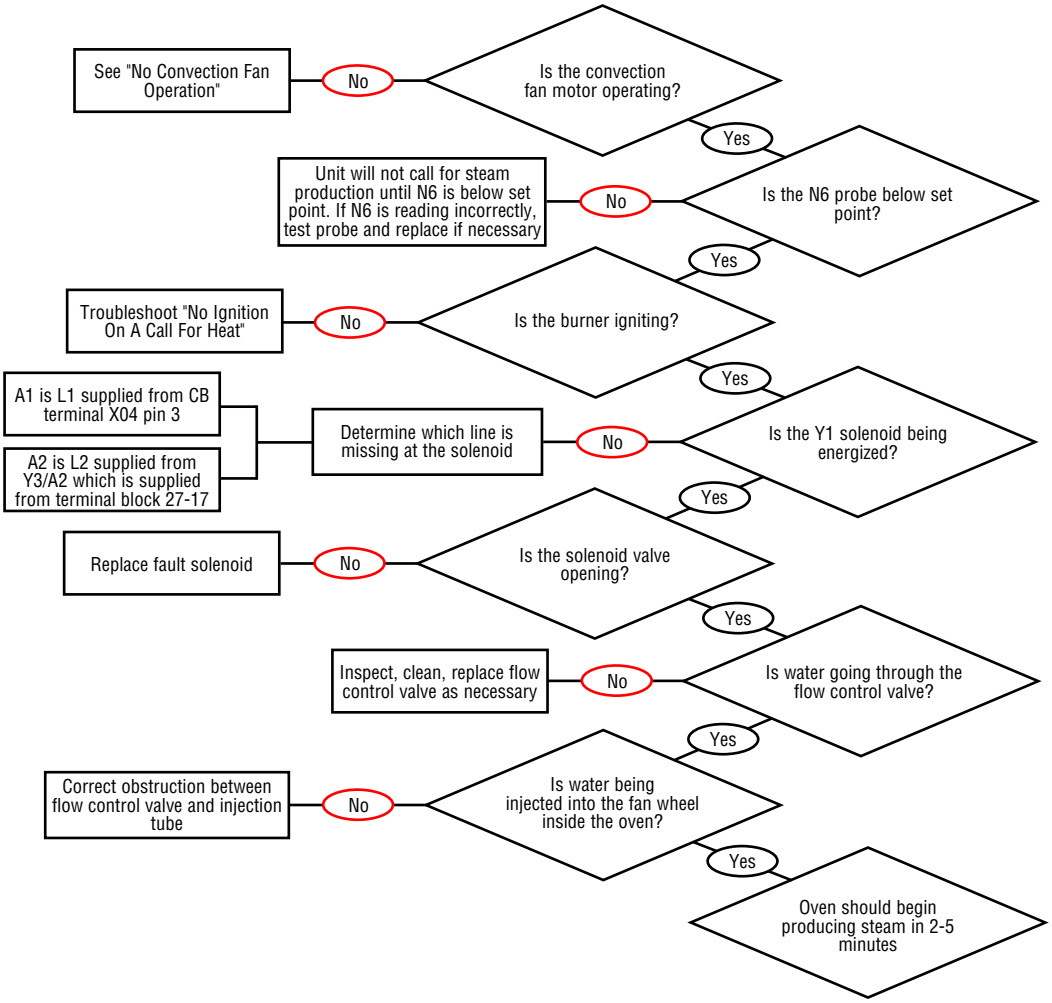


TROUBLESHOOTING TREES

Classic Gas Boiler-Free
No Steam Production — Steam at 212°F (100°C)

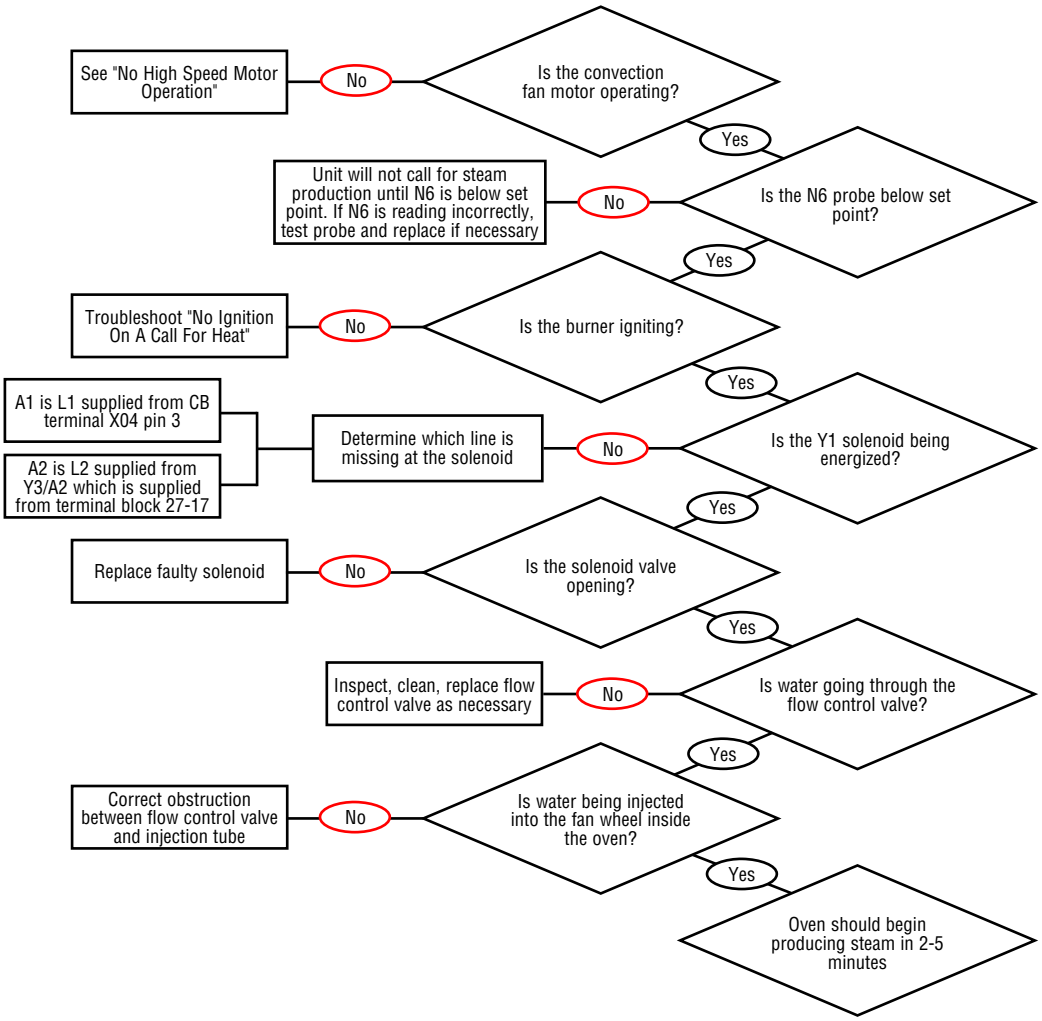


PROformance Gas Boiler-Free
No Steam Production — Steam Below 212°F (100°C)



TROUBLESHOOTING TREES

Classic Gas Boiler-Free
No Steam Production — Steam Below 212°F (100°C)



SERVICE PARTS

Exterior Panels E-2
Directional Panel Assembly E-6
CTP Control Assembly E-8
CTC Control Assembly E-11
Probe Assembly E-12
Drain Cover E-14
Feet E-14
Smoker Chip Tray Assembly E-15
Combitherm Motor E-16
Gas Train E-17
Gas Burner E-21
Heat Exchanger E-22
Heat Exchanger Service Kits E-25
Grease Collection E-28
Pan Trolleys E-29
Plate Trolleys E-30

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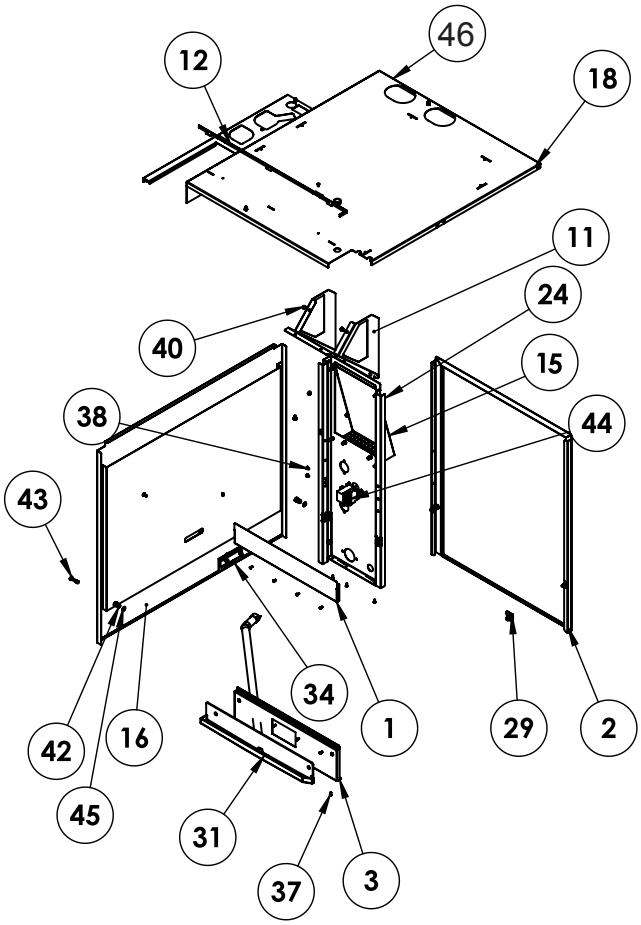
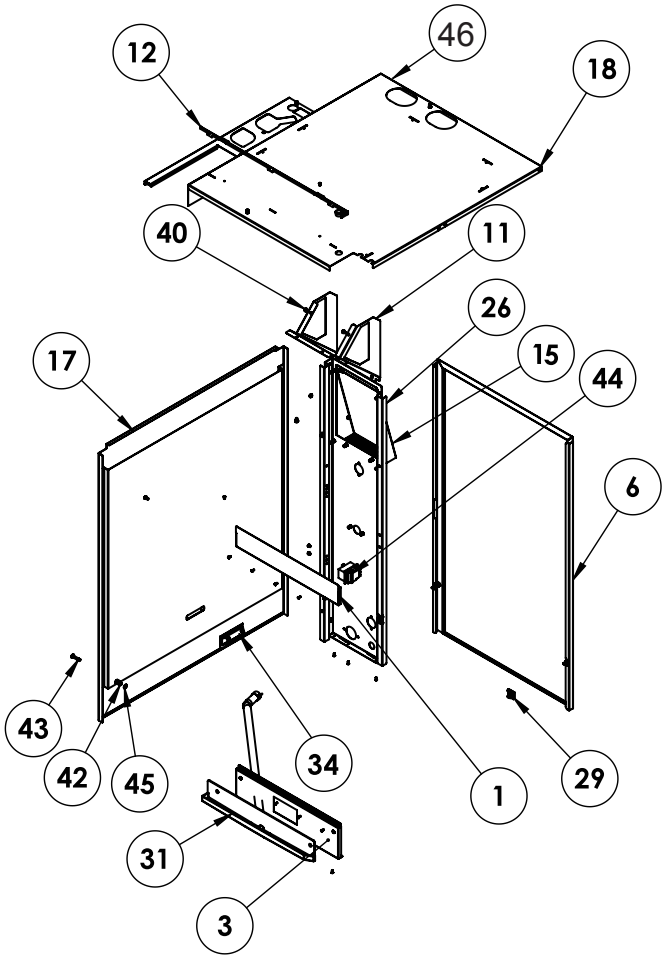
EXTERIOR PANELS - 6-10, 10-10

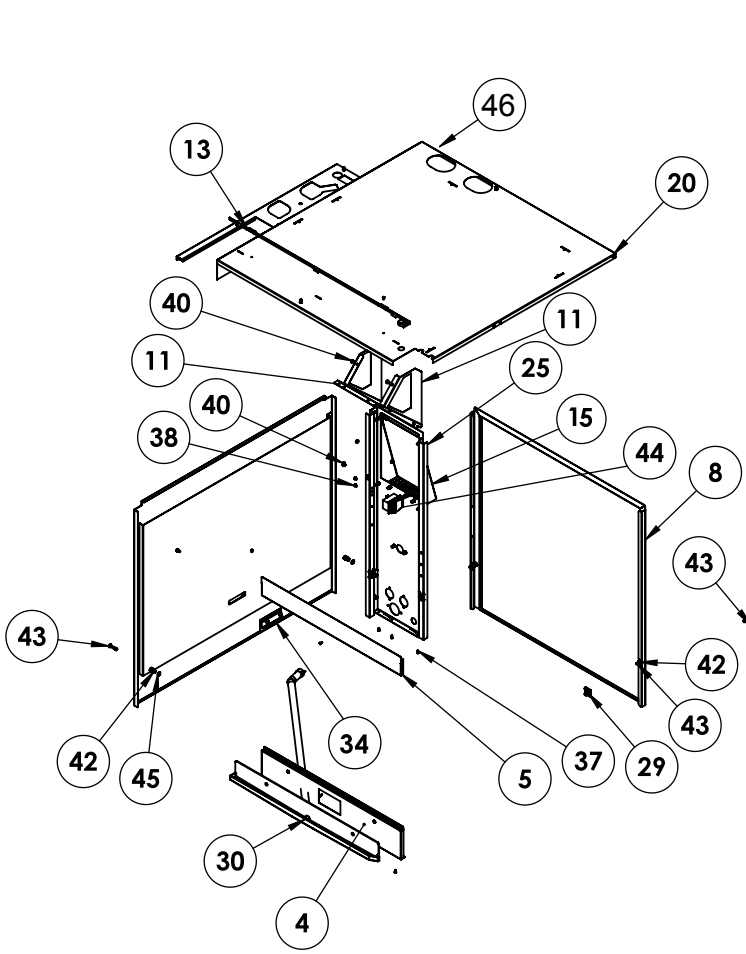


OUTER CASING, 6-10

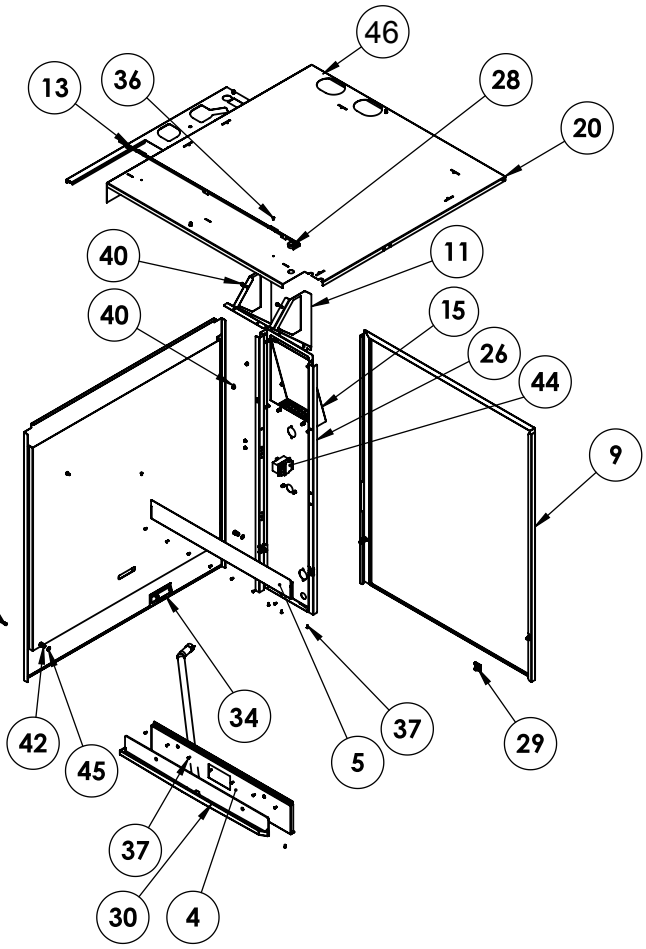


OUTER CASING, 10-10

EXTERIOR PANELS - 7-20, 10-20



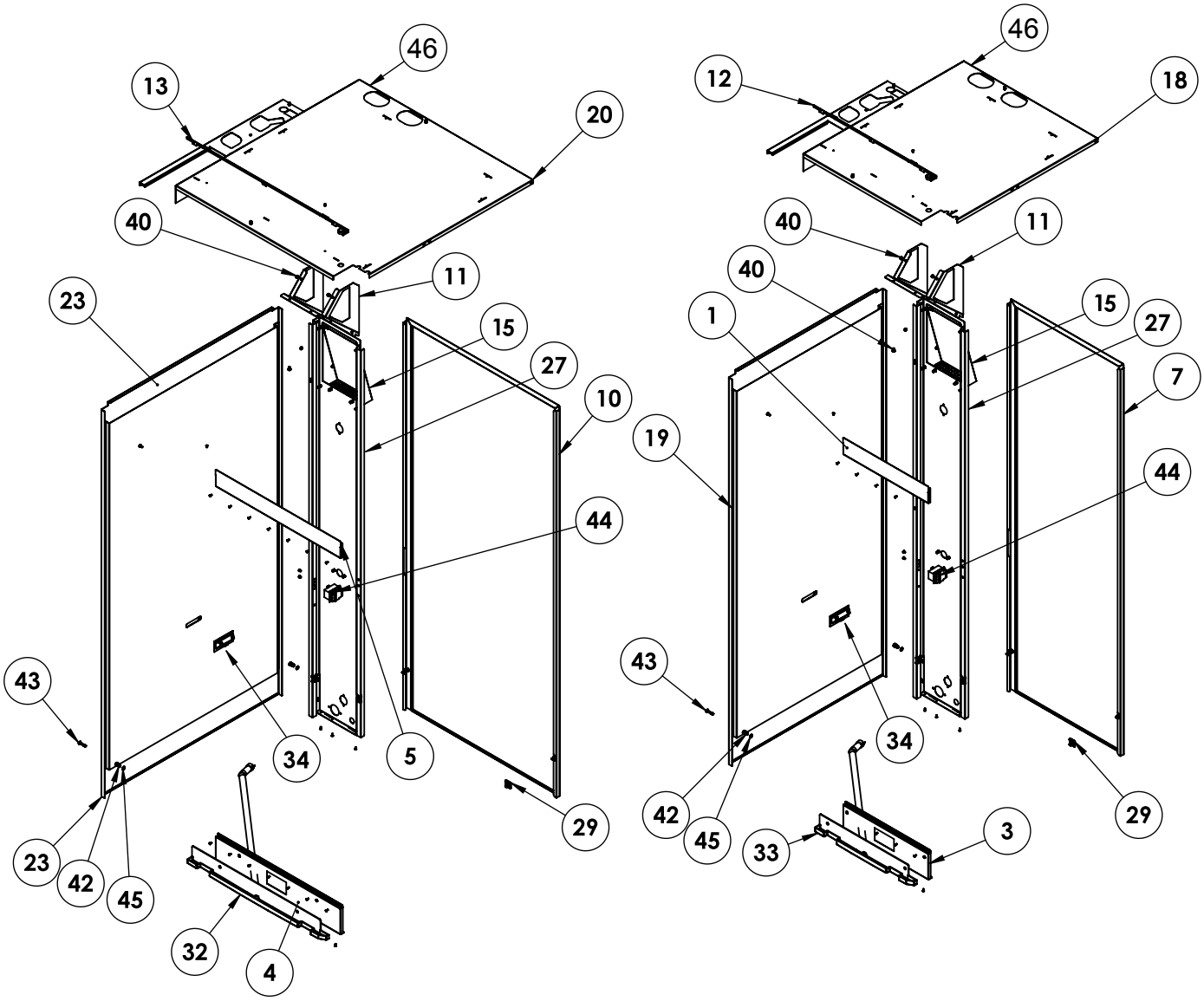
OUTER CASING, 7-20



OUTER CASING, 10-20

PARTS INFORMATION

EXTERIOR PANELS - 20-10, 20-20



OUTER CASING, 20-20

Item	Part	Description	Qty.
1		PANEL, FRONT UPPER	1
2	1013325R	PANEL, REAR ACCESS SERVICE KIT, 6-10	1
	1013325	PANEL, REAR ACCESS, 6-10	1
	*ST-22193	STUD, 1/4 TURN SLOT, CHROME	2
	*SD-22194	SPRING, SAFETY	2
	*WS-22195	WASHER, SAFETY, RETAINER	2
3		PANEL, FRONT LOWER	1
4		PANEL, FRONT LOWER	1
5		PANEL, FRONT UPPER	1

*NOT SHOWN

OUTER CASING, 20-10

Item	Part	Description	Qty.
6	1013581R	PANEL, REAR ACCESS SERVICE KIT, 10-10	1
	1013581	PANEL, REAR ACCESS, 10-10	1
	*ST-22193	STUD, 1/4 TURN SLOT, CHROME	2
	*SD-22194	SPRING, SAFETY	2
	*WS-22195	WASHER, SAFETY, RETAINER	2
7	1013582R	PANEL, REAR ACCESS SERVICE KIT, 20-10	1
	1013582	PANEL, REAR ACCESS, 20-10	1
	*ST-22193	STUD, 1/4 TURN SLOT, CHROME	2
	*SD-22194	SPRING, SAFETY	2
	*WS-22195	WASHER, SAFETY, RETAINER	2

CONTINUED ON NEXT PAGE

EXTERIOR PANELS - PARTS LIST (CONTINUED)

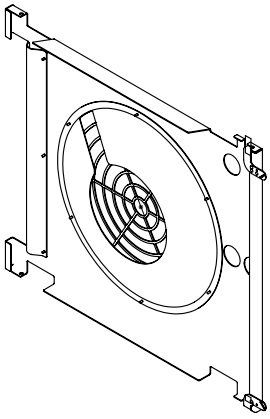
Item	Part	Description	Qty.
8	1013583R	PANEL, REAR ACCESS SERVICE KIT, 7-20	1
	1013583	PANEL, REAR ACCESS, 7-20	1
	*ST-22193	STUD, 1/4 TURN SLOT, CHROME	2
	*SD-22194	SPRING, SAFETY	2
	*WS-22195	WASHER, SAFETY, RETAINER	2
9	1013584R	PANEL, REAR ACCESS SERVICE KIT, 10-20	1
	1013584	PANEL, REAR ACCESS, 10-20	1
	*ST-22193	STUD, 1/4 TURN SLOT, CHROME	2
	*SD-22194	SPRING, SAFETY	2
	*WS-22195	WASHER, SAFETY, RETAINER	2
10	1013585R	PANEL, REAR ACCESS SERVICE KIT, 20-20	1
	1013585	PANEL, REAR ACCESS, 20-20	1
	*ST-22193	STUD, 1/4 TURN SLOT, CHROME	2
	*SD-22194	SPRING, SAFETY	2
	*WS-22195	WASHER, SAFETY, RETAINER	2
11	1014184	COMBI FAN TUNNEL, REAR CORNER	1
12	1015852	PROBE WIRE ROUTING	1
13	1015854	PROBE WIRE ROUTING	1
14		STIFFENER, GREASE COLLECTION	1
15	1015490	VENT, AIR	1
16	5015045R	PANEL, LH, ACCESS ASSB SERVICE KIT, 6-10	1
	*1013324	PANEL ACCESS, LEFT SIDE, 6-10	1
	*1013326	PANEL ACCESS LINER, LEFT SIDE, 6-10	1
	*ST-22193	STUD, 1/4 TURN SLOT, CHROME	2
	*SD-22194	SPRING, SAFETY	2
	*WS-22195	WASHER, SAFETY, RETAINER	2
	HD-28789	HANDLE, PULL RECESSED, BLACK	1
17	5015071R	PANEL, LH, ACCESS ASSB SERVICE KIT, 10-10	1
	*1013586	PANEL ACCESS, LEFT SIDE, 10-10	1
	*1013591	PANEL ACCESS LINER, LEFT SIDE, 10-10	1
	*ST-22193	STUD, 1/4 TURN SLOT, CHROME	2
	*SD-22194	SPRING, SAFETY	2
	*WS-22195	WASHER, SAFETY, RETAINER	2
	HD-28789	HANDLE, PULL RECESSED, BLACK	1
18		FILL-IN COVER ASSEMBLY	1
19	5015264R	PANEL, LH, ACCESS ASSB SERVICE KIT, 20-10	1
	*1013587	PANEL ACCESS, LEFT SIDE, 20-10	
	*1013592	PANEL ACCESS LINER, LEFT SIDE, 20-10	
	*ST-22193	STUD, 1/4 TURN SLOT, CHROME	2
	*SD-22194	SPRING, SAFETY	2
	*WS-22195	WASHER, SAFETY, RETAINER	2
	HD-28789	HANDLE, PULL RECESSED, BLACK	1
20		FILL-IN COVER ASSEMBLY	1
21	5015276R	PANEL, LH, ACCESS ASSB SERVICE KIT, 7-20	1
	*1013588	PANEL ACCESS, LEFT SIDE, 7-20	1
	*1013593	PANEL ACCESS LINER, LEFT SIDE, 7-20	1
	*ST-22193	STUD, 1/4 TURN SLOT, CHROME	2
	*SD-22194	SPRING, SAFETY	2
	*WS-22195	WASHER, SAFETY, RETAINER	2
	HD-28789	HANDLE, PULL RECESSED, BLACK	1

Item	Part	Description	Qty.
22	5015277R	PANEL, LH, ACCESS ASSB SERVICE KIT, 10-20	1
	*1013589	PANEL ACCESS, LEFT SIDE, 10-20	1
	*1013594	PANEL ACCESS LINER, LEFT SIDE, 10-20	1
	*ST-22193	STUD, 1/4 TURN SLOT, CHROME	2
	*SD-22194	SPRING, SAFETY	2
	*WS-22195	WASHER, SAFETY, RETAINER	2
	HD-28789	HANDLE, PULL RECESSED, BLACK	1
23	5015278R	PANEL, LH, ACCESS ASSB SERVICE KIT, 20-20	1
	1013590	PANEL ACCESS, LEFT SIDE, 20-20	1
	1013595	PANEL ACCESS LINER, LEFT SIDE, 20-20	1
	*ST-22193	STUD, 1/4 TURN SLOT, CHROME	2
	*SD-22194	SPRING, SAFETY	2
	*WS-22195	WASHER, SAFETY, RETAINER	2
	HD-28789	HANDLE, PULL RECESSED, BLACK	1
24	5016756	WELDMENT, LH PANEL	1
25	5016757	WELDMENT, LH PANEL	1
26	5016758	WELDMENT, LH PANEL	1
27	5016759	WELDMENT, LH PANEL	1
28		3/4" WHITE SNAP BUSHING	1
29	CL-22196	CLIP, CT, HOLDING, M6	3
30	DT-35704	PLASTIC COMBI DRIP TRAY ASSB, 7-20, 10-20	1
31	DT-35789	PLASTIC COMBI DRIP TRAY ASSB, 6-10, 10-10	1
32	DT-36228	PLASTIC COMBI DRIP TRAY ASSB, 20-20	1
33	DT-36229	PLASTIC COMBI DRIP TRAY ASSB, 20-10	1
34	HD-28789	HANDLE, PULL RECESSED, BLACK	1
35		NUT, HEX INSERT M5	6
36		RIVET, BLIND	2
37		RIVET, SEALED	16
38		SCREW, M4x0.7X6mm PAN	2
39	SC-22753	SCREW, M6 SS ROUND SHOULDER	2
40	SC-22766	SCREW, M5x0.8X10mm PAN	5
41		SCREW, M5x0.8X20mm PAN	4
42	SD-22194	SPRING, CT M6 X 48, SAFETY	4
43	ST-22193	STUD, CT M6 X 27mm, 1/4 TURN	4
44	TT-36255	THERMOSTAT, THERMAL CUT-OUT	1
45	WS-22195	WASHER, SAFETY, STEEL	4
46	5015080	PANEL, TOP ASSEMBLY, 6-10G, 10-10G	1
	5015286	PANEL, TOP ASSEMBLY, 7-20G, 10-20G	1
	5015172	PANEL, TOP ASSEMBLY, 6-10E, 10-10E, 20-10E	1
	5015288	PANEL, TOP ASSEMBLY, 7-20E, 10-20E, 20-20E	1
	5015285	PANEL, TOP ASSEMBLY, 20-10G	1
	5015287	PANEL, TOP ASSEMBLY, 20-20G	1
	5017107	PANEL, TOP ASSB, REC DOOR, 6-10G, 10-10G	1
	5017110	PANEL, TOP ASSB, REC DOOR, 7-20G, 10-20G	1
	5017108	PANEL, TOP ASSB, REC DOOR, 6-10E, 10-10E, 20-10E	1
	5017112	PANEL, TOP ASSB, REC DOOR, 7-20E, 10-20E, 20-20E	1
	5017109	PANEL, TOP ASSB, REC DOOR, 20-10G	1
	5017111	PANEL, TOP ASSB, REC DOOR, 20-20G	1

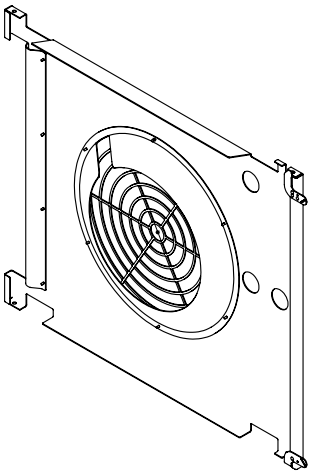
*NOT SHOWN

PARTS INFORMATION

DIRECTIONAL PANELS - 6-10, 7-20, 10-10, 10-20



5016376
6-10G



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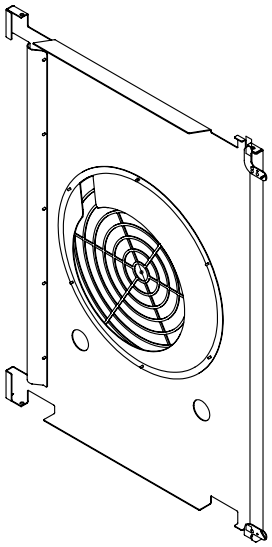
7-20G



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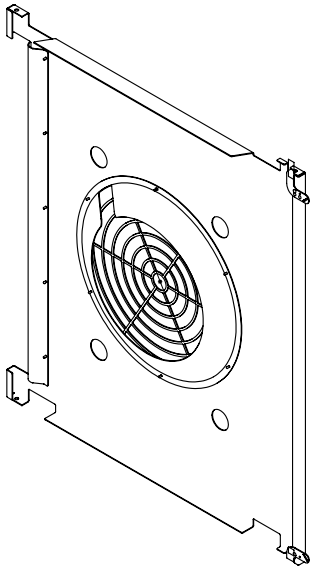
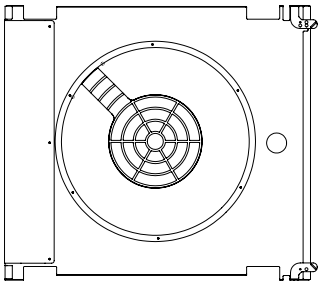
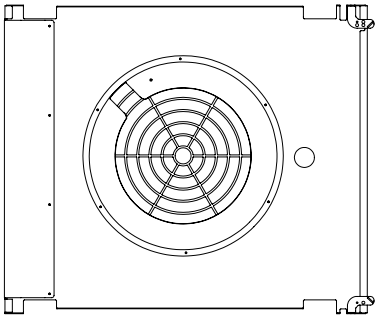
10-10G



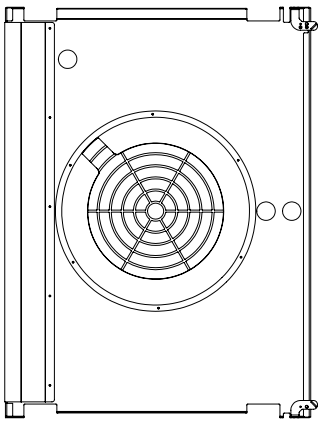
5016274
10-20G



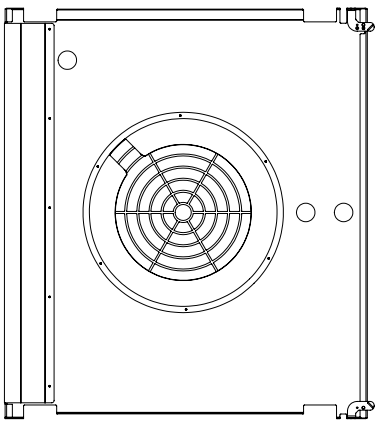
5014934
6-10E, 6-10EB



5014935
7-20E, 7-20EB

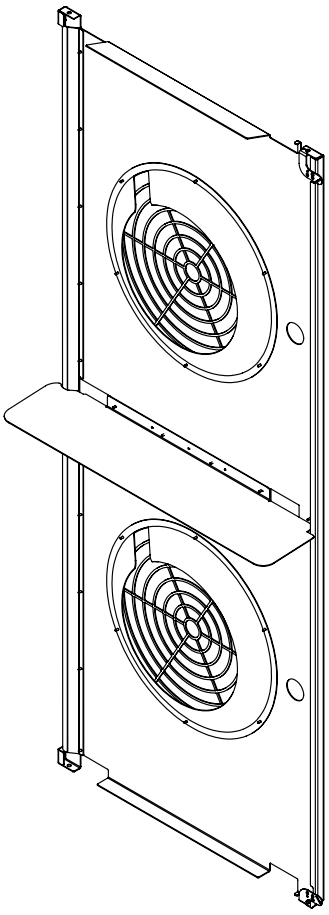


5014936
10-10E, 10-10EB

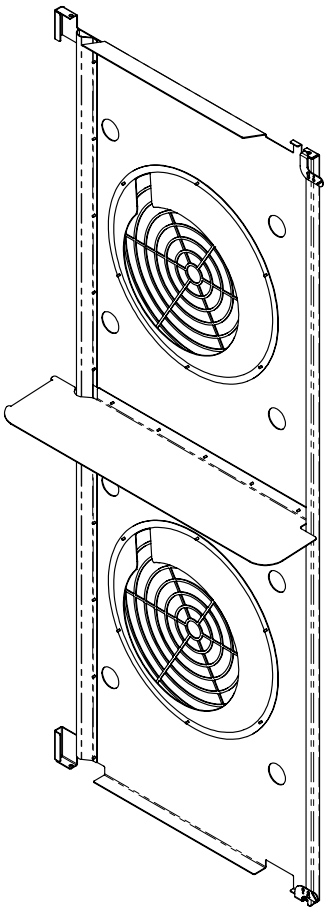


5014937
10-20E, 10-20EB

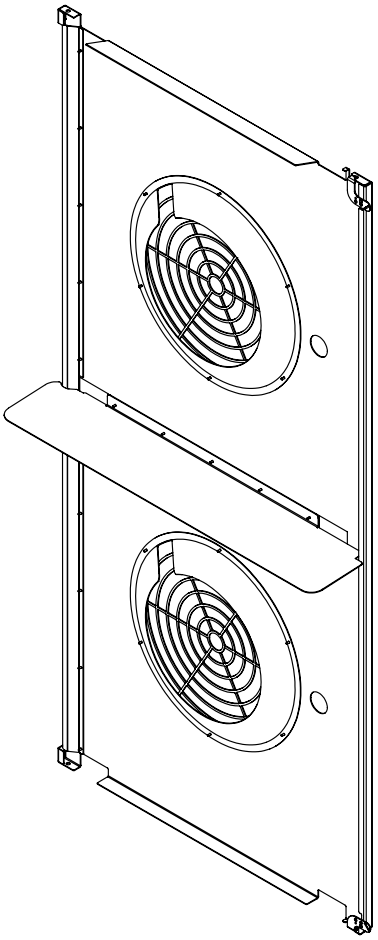
DIRECTIONAL PANEL



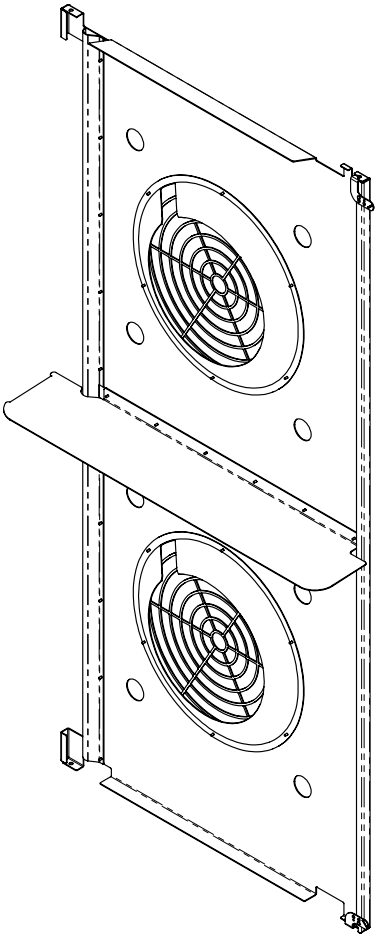
5015293
20-10E, 20-10EB



5016378
20-10G



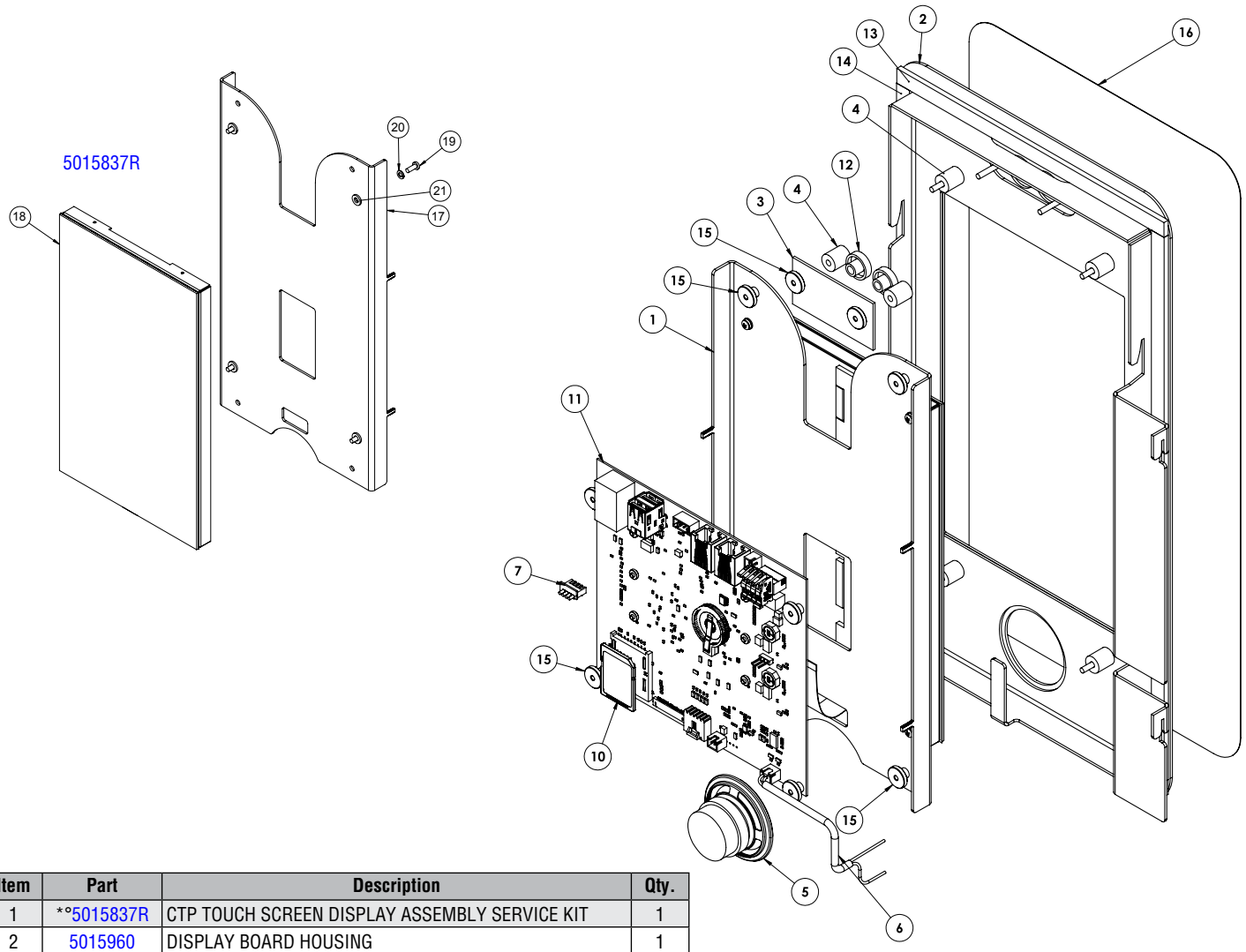
5015294
20-20E, 20-20EB



5016281
20-20G

PARTS INFORMATION

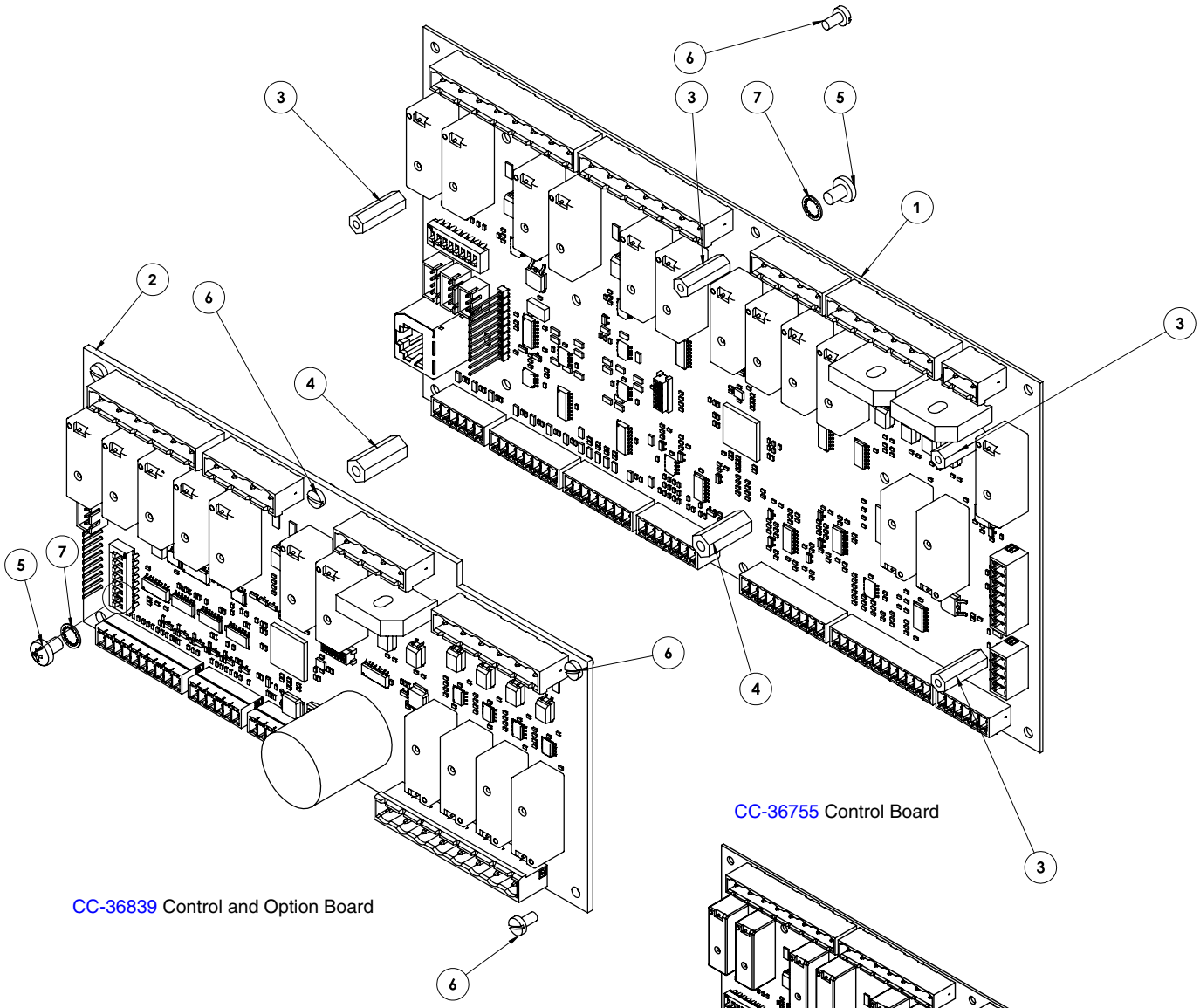
CTP CONTROL ASSEMBLY



Item	Part	Description	Qty.
1	*°5015837R	CTP TOUCH SCREEN DISPLAY ASSEMBLY SERVICE KIT	1
2	5015960	DISPLAY BOARD HOUSING	1
3	BA-34778	BOARD, ON/OFF, CTP	1
4	*BU-25094	BUSHING, BRASS	6
5	BZ-34675	BUZZER SPEAKER, 8 OHM	1
6	CB-34914	CABLE, SPEAKER TO BOARD	1
7	CB-34917	CABLE, ON/OFF TO BOARD	1
8	*CB-35711	CABLE, LCD TO USER INTERFACE BOARD	1
9	*CB-35712	CABLE, BACKLIGHT LCD TO USER INTERFACE BOARD	1
10	*CC-36657	2GB SD CARD, PROGRAMMED	1
11	*CC-36916	INTERFACE BOARD	1
12	CP-25405	CAP, BUTTON	2
13	GS-23622	GASKET ADHESIVE	2
14	GS-23622	GASKET ADHESIVE	2
15	*NU-25095	KNURLED M3	10
16	PE-35184	PANEL OVERLAY, CTP FOR FLUSH POWER SWITCH	1
17	*°1014159	DISPLAY MOUNTING BRACKET	1
18	*°BA-35291	BOARD, LCD DISPLAY, CTP	1
19	*°SC-22268	SCREW, M3X0.5mm PAN	4
20	*°WS-22299	WASHERS, M3, SPLIT LOCK	4
21	*°WS-26012	WASHER, NYLON, FLAT	4
	*5015961R	CTP TOUCH SCREEN AND INTERFACE BOARD SERVICE KIT	1

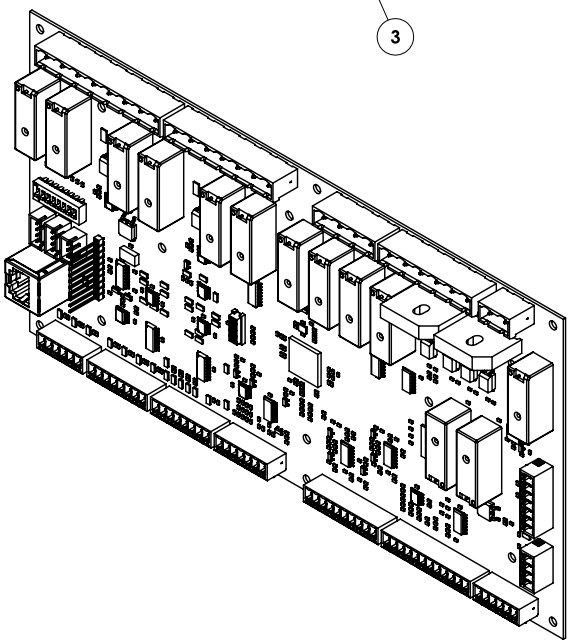
*Items included in CTP Touch Screen and Interface Board Service Kit 5015961R
°Items included in CTP Touch Control Display Service Kit 5015837R

CTP CONTROL BOARDS



CC-36839 Control and Option Board

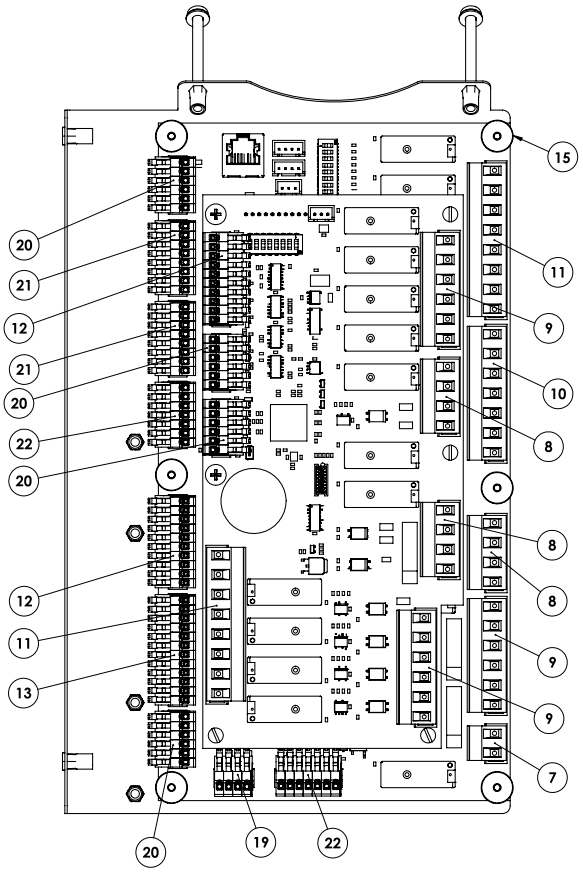
CC-36755 Control Board

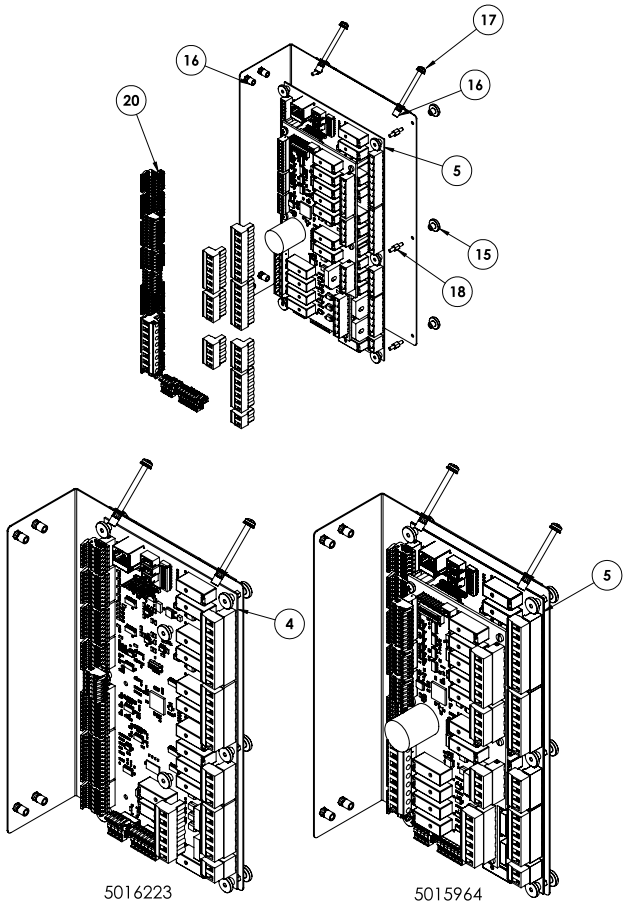


Item	Part	Description	Qty.
	CC-36839	Control and Option Board (contains CC-36755)	1
1	CC-36755	CB Control Board	1
2	CC-36757	OB, Option Board, Programmed	1
3	NU-36729	Nut, Threaded Hex Rod, M3	4
4	NU-36730	Nut, Threaded Hex Rod, M4	2
5	SC-22271	Screw, M4x0.7x6mm Pan	4
6	SC-36728	Screw, Shoulder, M3 Slot	8
7	WS-36731	Washer, M4, Lock	4

PARTS INFORMATION

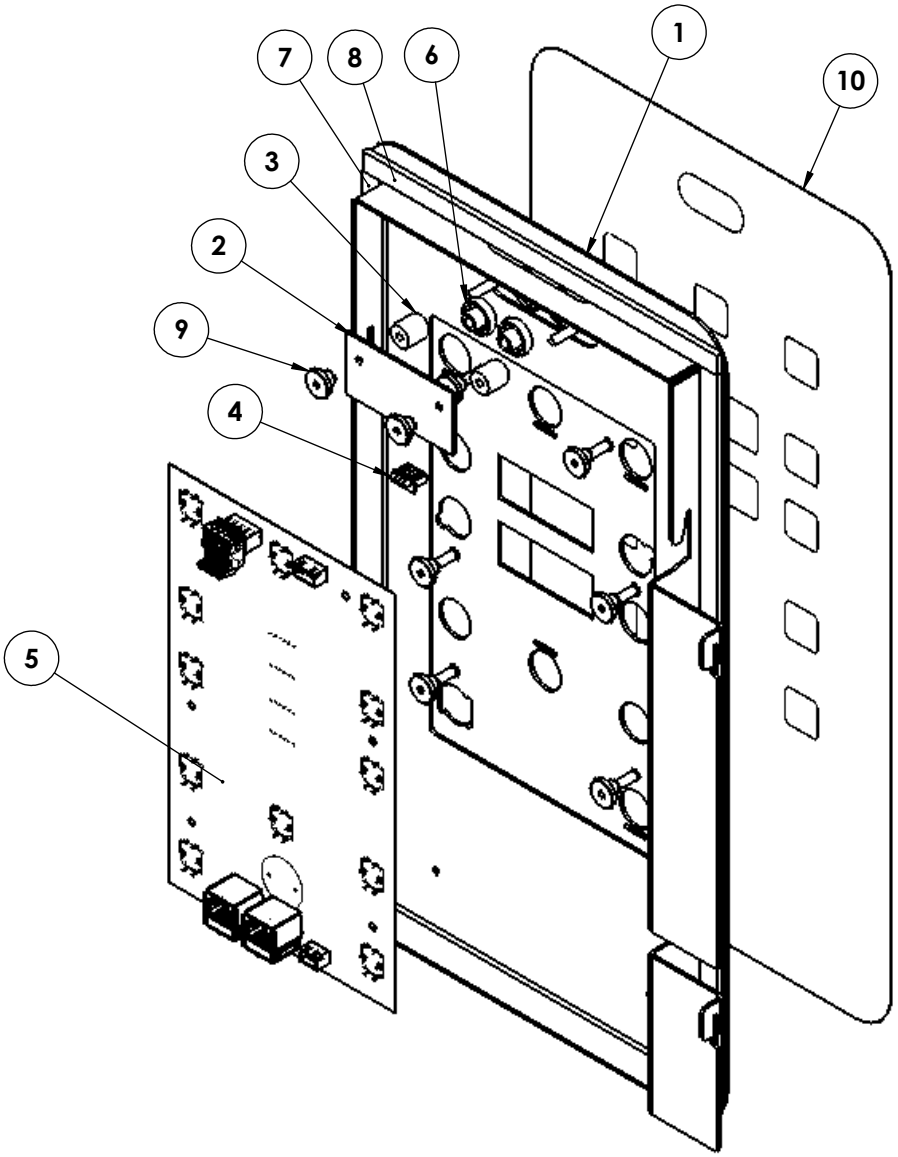
CTP CONTROL BOARDS





Item	Part	Description	5015964	5016223
1	1013484	BRACKET,RELAY BOARD MOUNTING	1	1
2	—	WIRE ASSEMBLY, 6-10, 10-10, 7-20	-	1
3	—	WIRING ASSEMBLY	-	1
4	CC-36755	BOARD, MAIN CONTROL	-	1
5	CC-36839	BOARD ASSEMBLY, CONTROL & OPTION	1	-
6	CB-35778	CAN/ETHERNET CABLE - 1.5' - STRAIGHT THRU - RJ45	1	1
7	CR-35759	CONNECTOR, 2 TERMINAL	1	1
8	CR-35760	CONNECTOR, 4 TERMINAL	3	1
9	CR-35761	CONNECTOR, 6 TERMINAL	3	2
10	CR-35762	CONNECTOR, 7 TERMINAL	1	1
11	CR-35763	CONNECTOR, 8 TERMINAL	2	1
12	CR-35765	TERMINAL, 3.5mm PLUGGABLE, 10	2	1
13	CR-35766	TERMINAL, 3.5mm PLUGGABLE, 12	1	1
14	FU-36761	FUSE, 5X20mm, SLOW BLO, .315 AMP, 250V	1	1
15	NU-25095	KNURLED M3 HIGH A2 S/S	12	16
16	NU-26866	NUT, HEX INSERT M4	10	10
17	SC-29261	SCREW, M4X0.7X50mm PAN	2	2
18	SC-36732	NUT, THREADED HEX ROD, M3X18mm	6	8
19	TM-34881	TERMINAL, 3.5mm PLUGGABLE, 4 POLE	1	1
20	TM-34884	TERMINAL, 3.5mm PLUGGABLE, 6 POLE	4	3
21	TM-34889	TERMINAL, 3.5mm PLUGGABLE, 8 POLE	2	2
22	TM-34931	TERMINAL, 3.5mm PLUGGABLE, 7 POLE	2	2
23	WS-22294	WASHER, FLAT M4 18-8 S/S	2	2
24	WS-22300	WASHER, SPLIT LOCK	2	2

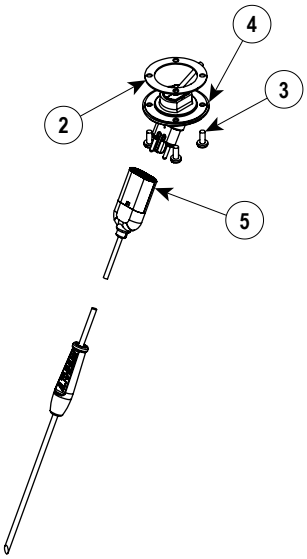
CTC CONTROL ASSEMBLY



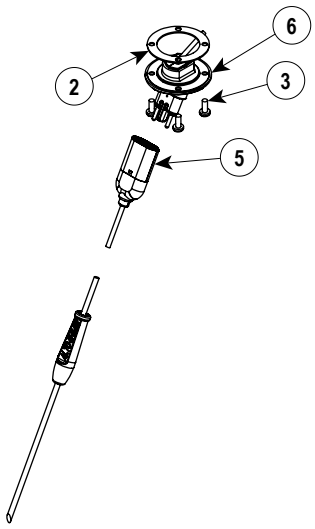
Item	Part	Description	Qty.
1	5016209	DISPLAY BOARD HOUSING	1
2	BA-34778	BOARD, ON/OFF, CTC	1
3	BU-25094	BUSHING, BRASS	8
4	CB-34917	CABLE, ON/OFF TO BOARD	1
5	CC-35772	CONTROL DISPLAY BOARD, CTC	1
6	CP-25405	CAP, BUTTON	14
7	GS-23622	GASKET ADHESIVE	2
8	GS-23622	GASKET ADHESIVE	2
9	*NU-25095	KNURLED M3	14
10	PE-36358	PANEL OVERLAY, CTC FOR FLUSH POWER SWITCH	1

PARTS INFORMATION

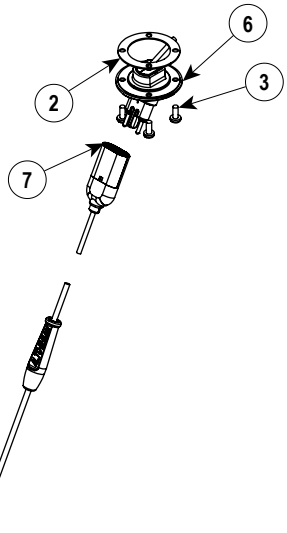
SINGLE POINT PROBE PACKAGE



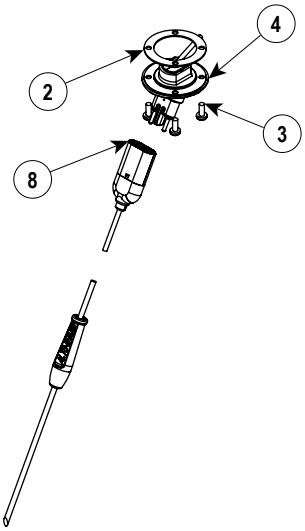
5016124
6-10, 10-10



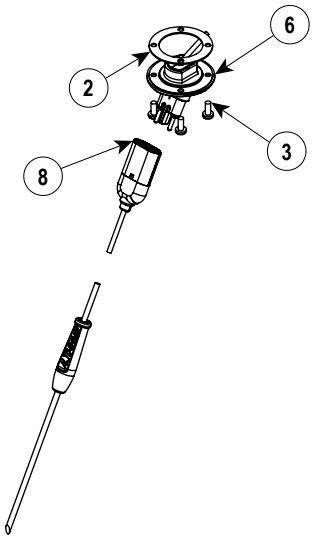
5016820
7-20



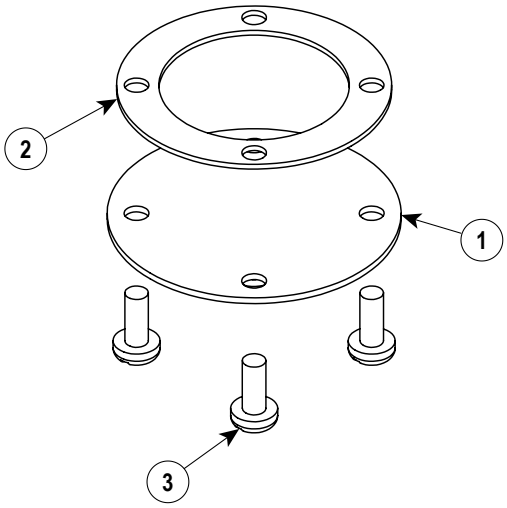
5016822
10-20



5016823
20-10



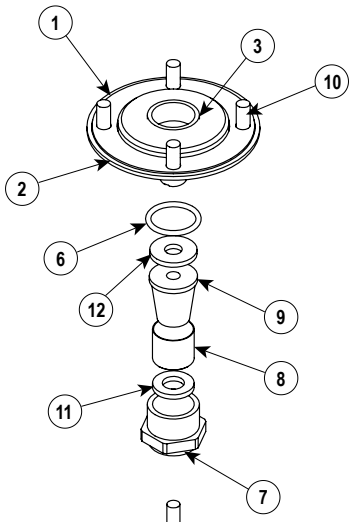
5016824
20-20



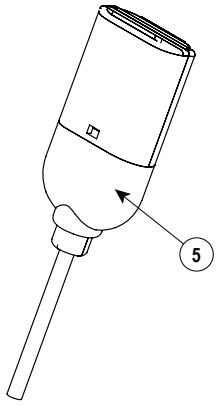
5016130

Item	Part	Description	5016124 Qty.	5016130 Qty.	5016820 Qty.	5016822 Qty.	5016823 Qty.	5016824 Qty.
1	1014297	FOOD PROBE COVER PLATE, COMBI	—	1	—	—	—	—
2	GS-35796	GASKET, CAVITY PROBE	1	1	1	1	1	1
3	SC-26618	SCREW, M4 x 0.7 x 10mm PAN	4	4	4	4	4	4
4	PR-35771	PROBE, RECEPTICLE, 1300mm	1	—	—	—	1	—
5	PR-36201	PROBE, QUICK RELEASE, 1600mm	1	—	1	—	—	—
6	PR-35486	PROBE, RECEPTICLE, 1600mm	—	—	1	1	—	1
7	PR-35770	PROBE, QUICK RELEASE, 1000mm	—	—	—	1	—	—
8	PR-35487	PROBE, QUICK RELEASE, 1600mm	—	—	—	—	1	1

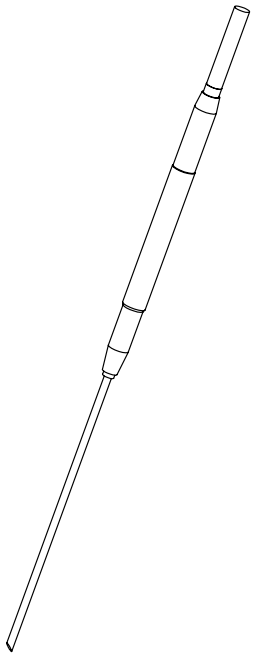
PROBE, MULTIPOINT, ALL SIZES



5017133



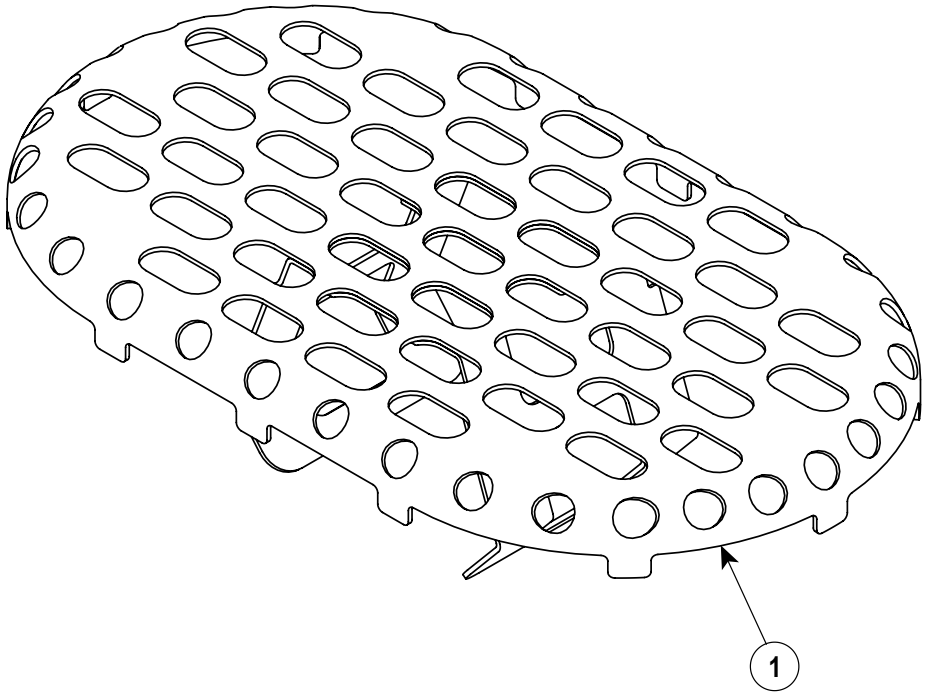
PR-36576



Item	Part	Description	5017133 Qty.	Ref Sous Vide Qty
1	FT-36572	FITTING, PROBE	1	—
2	GS-35796	GASKET, CAVITY PROBE	1	—
3	PG-3826	PLUGS, *CT, ADAPTOR, TUBE TO PLUG	1	—
4	PR-36575	PROBE, MULTIPOINT, 4000mm	1	—
5	PR-36576	PROBE, SOUS VIDE, 1000mm	—	1
6	SA-22199	SEAL, CT, O-RING, VITON, 13" x 1.5"	1	—
7	SA-22320	SEAL, CT, TOP, PG9	1	—
8	SA-22321	SEAL, CT, CONE, PG9, BRASS	1	—
9	SA-22322	SEAL, CT, INSERT, 4mm DIA	1	—
10	SC-26618	SCREW, M4 x 0.7 x 10mm PAN	4	—
11	WS-22297	WASHER, FLAT	1	—
12	WS-22323	WASHER, FLAT	1	—

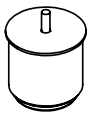
PARTS INFORMATION

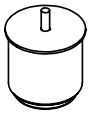
DRAIN SCREEN

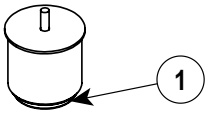


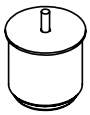
Item	Part	Description	Qty.
1	50165194	DRAIN SCREEN	1

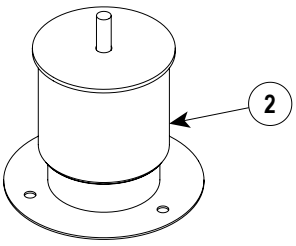
UNIT FEET





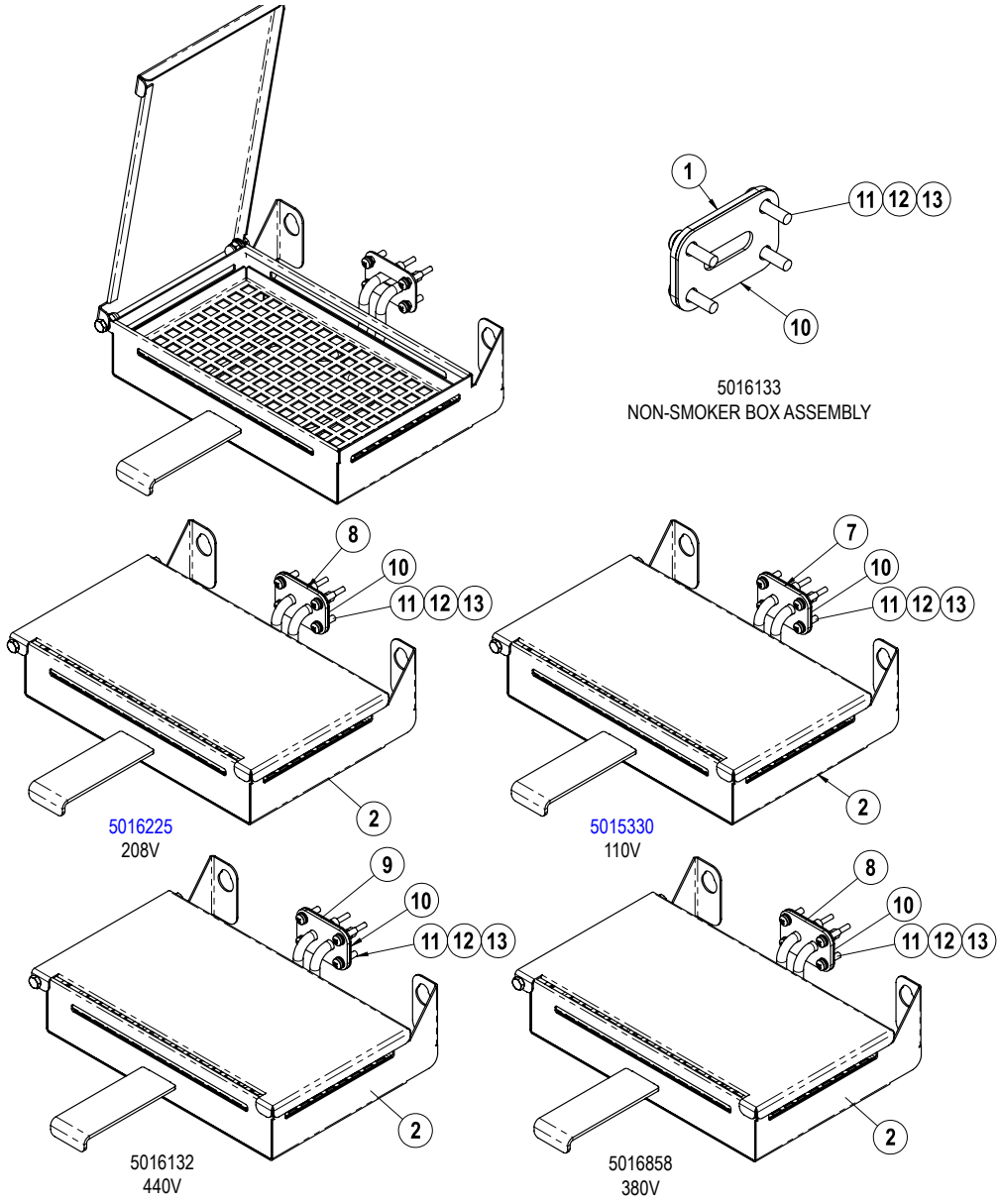






Item	Part	Description	Qty.
1	FE-35178	FOOT, TABLE TOP MODELS, ADJUSTABLE	4
	FE-2916	FOOT, FLOOR MODELS, FLANGED	6
2	FE-36872	FOOT, SEISMIC, TABLE TOP MODELS, ADJUSTABLE	4

SMOKER CHIP TRAY ASSEMBLY

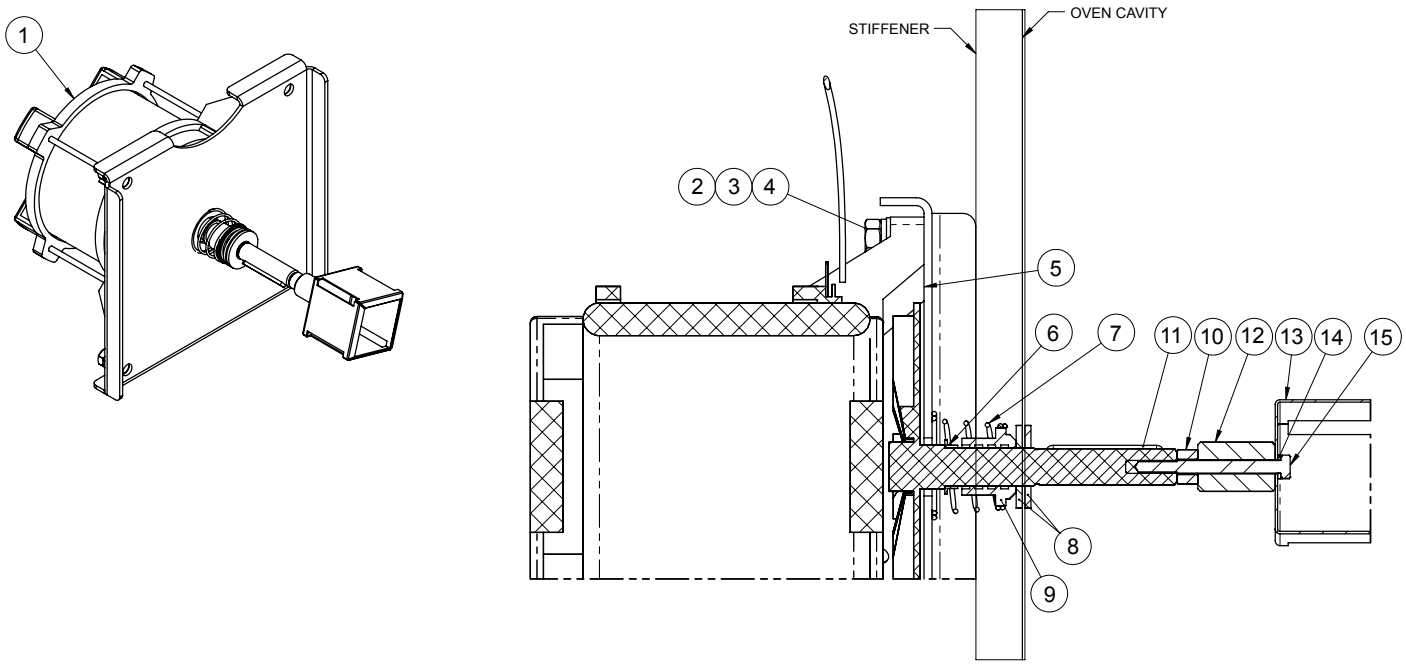


Item	Part	Description	5015330 110V Qty.	5016225 208V Qty.	5016858 380V Qty.	5016132 440V Qty.	5016133 NON Qty.
1	1013502	PLATE, SMOKER COVER, COMBI	—	—	—	—	1
2	5016536	COMBI SMOKER BOX ASSEMBLY	1	1	1	1	—
3	*5017321	KIT, 120V, SMOKER OPTION, CTP	1	—	—	—	—
4	*5017322	KIT, 208-240V & 440-480V, SMOKER OPTION, CTP	—	1	—	1	—
5	*5017323	KIT, 380-415V, SMOKER OPTION, CTP	—	—	1	—	—
6	*CE-26277	CLEANER KIT, SMOKER	1	1	1	1	—
7	EL-35215	ELEMENT, TUBULAR	1	—	—	1	—
8	EL-35216	ELEMENT, TUBULAR	—	1	1	—	—
9	EL-35891	ELEMENT, TUBULAR	—	—	—	—	—
10	GS-35229	GASKET, SMOKER BOX	1	1	1	1	1
11	SC-22779	SCREW, M5x0.8X20mm PAN	4	4	4	4	4
12	WS-22295	WASHER, FLAT M5 S/S	4	4	4	4	4
13	WS-22301	WASHER, M5 SPLIT LOCK S/S 18-8	4	4	4	4	4

*NOT SHOWN

PARTS INFORMATION

MOTOR VIEW



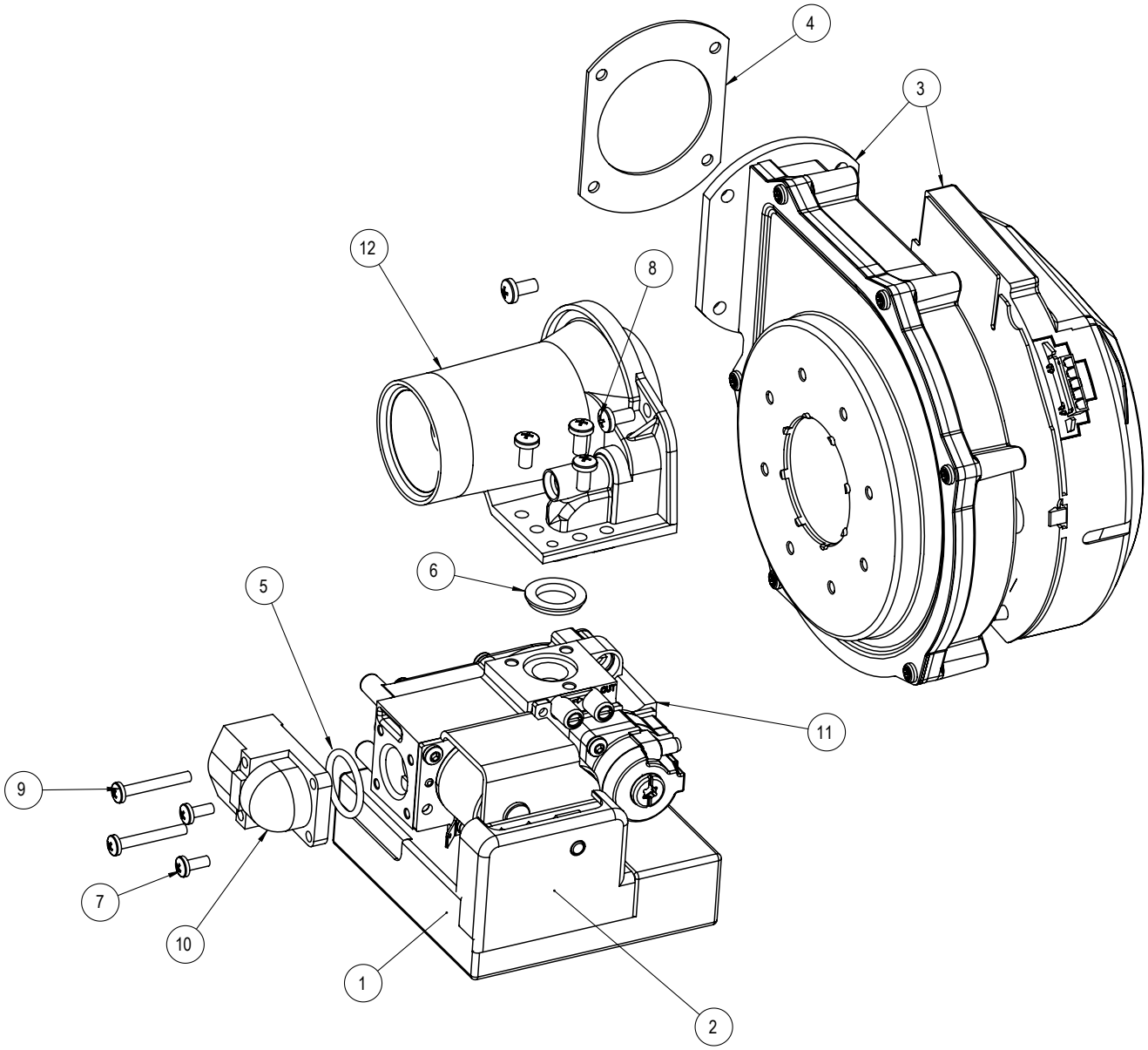
*MOTORS AVAILABLE ONLY IN KITS

			SERVICE KITS				
			5014833R PROtouch™	5014747R Classic 120V	5015391R Classic 200-240V	5016224R Classic 380-415V	5016224R Classic 440-480V
Item	Description	Part	Qty.	Qty.	Qty.	Qty.	Qty.
1*	MOTOR, 110V, 370W	MO-34255	—	1	—	—	—
	MOTOR, 208-240V	MO-34857	1	—	—	—	—
	MOTOR, 230V, 400W	MO-33725	—	—	1	—	—
	MOTOR, 380-480V	MO-33589	—	—	—	1	1
2	NUT, M8-1.25, 18-8, HEX	NU-22292	4	4	4	4	4
3	WASHER, M8, 18-8	WS-22298	4	4	4	4	4
4	WASHER, M8 SPLIT LOCK S/S 18-8	WS-22303	4	4	4	4	4
5	PANEL, BAFFLE, MOTOR	1014649	1	1	1	1	1
6	SLEEVE, MOTOR, DEFLECTOR	SL-22214	1	1	1	1	1
7	SPRING	SD-23939	1	1	1	1	1
8	WASHER, MOTOR SHAFT SEAL	WS-22217	2	2	2	2	2
9	BUSHING, CT, 30D, MOTOR SHAFT	BU-22213	1	1	1	1	1
10	BUSHING, 0.525OD X 0.236ID	BU-29363	1	1	1	1	1
	Parts not inculded in Service Kit:						
11	KEYWAY, MOTOR	MO-22191	1	1	1	1	1
12	SPACER, FAN TO DISINTEGRATION BOX	SP-35883	1	1	1	1	1
13	DISINTEGRATION BOX	1001204	1	1	1	1	1
14	WASHER, M5 SPLIT LOCK S/S 18-8	WS-22301	1	1	1	1	1
15	SCREW, M5x0.8x50mm HEX	SC-35991	1	1	1	1	1

Parts not inculded in Service Kit (not shown):

Item	Description	Part	6-10	10-10	7-20	10-20	20-10	20-20
16	WHEEL, 340mm DIA X 130 DEPTH	WH-35847	—	1	1	1	2	2
17	WHEEL, 250mm DIA, 6 BLADE	WH-35848	1	—	—	—	—	—

GAS TRAIN - PIECES

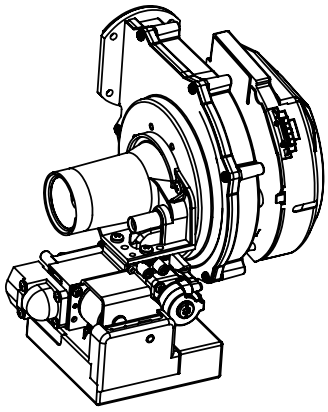


Item	Part	Description	Qty.
1	BA-35062	IGNITION MODULE, 120V	1
	BA-35933	IGNITION MODULE, 230V	1
2	CV-27825	COVER SET W/ INTEGRATED STRAIN	1
3	FA-34232	FAN, 120V	1
	FA-34462	FAN, 230V	1
4	GS-29625	GASKET, RESTRICTOR PLATE	1
5	OR-27249	SEAL, O-RING 1.068 OD X 0.103 DIA	1
6	SA-27930	SEAL, GAS VALVE	1
7	SC-22273	SCREW, M4x0.7X10mm PAN	2
8	SC-22766	SCREW, M5x0.8X10mm PAN	5
9	SC-29276	SCREW, M4x0.7X30mm PAN	2

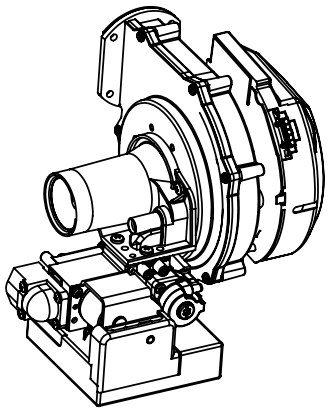
Item	Part	Description	Qty.
10	VA-27081	ELBOW, FLANGE, VENTURI	1
11	VA-35254	VALVE, GAS CONTROL FLANGED SIDE	1
12	VA-35255	VALVE, VENTURI CODE 053, 10-10, 7-20, 20-10	1
	VA-27068	VALVE, VENTURI CODE 002, 10-20, 20-20	1
	VA-35257	VALVE, VENTURI CODE 055, 6-10	1
13	VA-35294	VALVE, GAS CONTROL FLANGED SIDE	1
	*FA-35886	FAN, RADIAL BLOWER ELEK INTL	1
	*FA-35887	FAN, RADIAL BLOWER ELEK INTL	1

PARTS INFORMATION

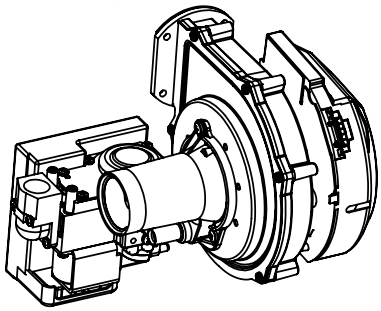
GAS TRAIN - ORIENTATION - 120V



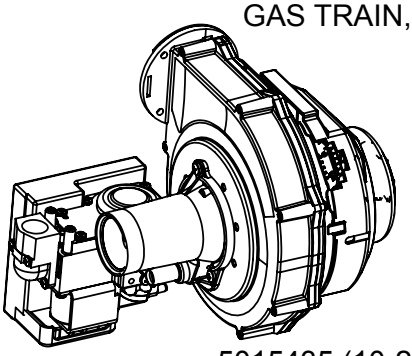
5015140 (6-10G) 120V
GAS TRAIN, 20KW



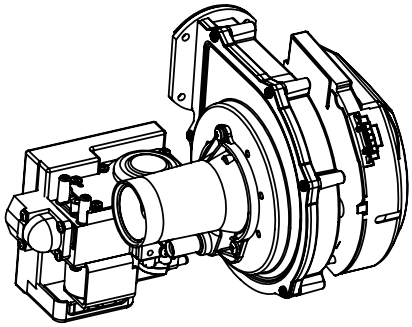
5015434 (7-20G) 120V
GAS TRAIN, 30KW



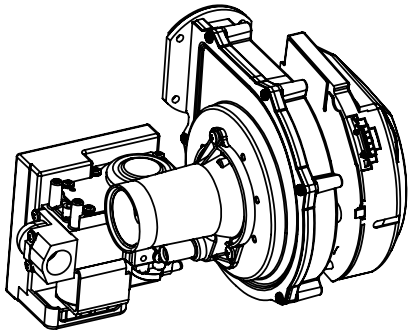
5015434 (10-10G) 120V
GAS TRAIN, 30KW



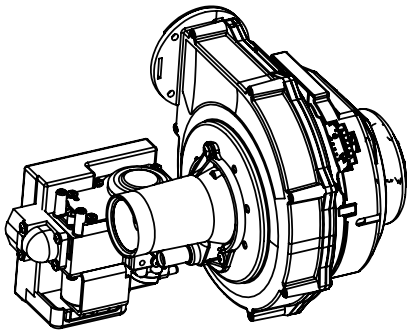
5015435 (10-20G) 120V
GAS TRAIN, 40KW



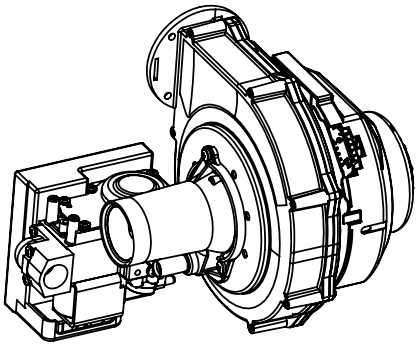
5015434 (20-10G TOP) 120V
GAS TRAIN, 30KW



5015434 (20-10G BOTTOM) 120V
GAS TRAIN, 30KW

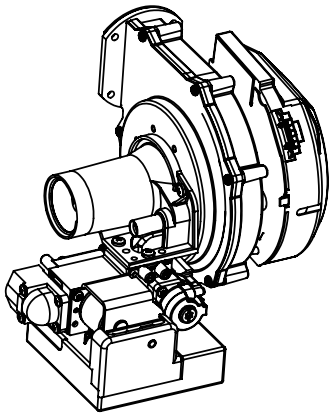


5015435 (20-20G TOP) 120V
GAS TRAIN, 40KW

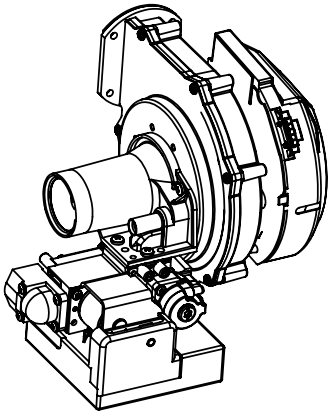


5015435 (20-20G BOTTOM) 120V
GAS TRAIN, 40KW

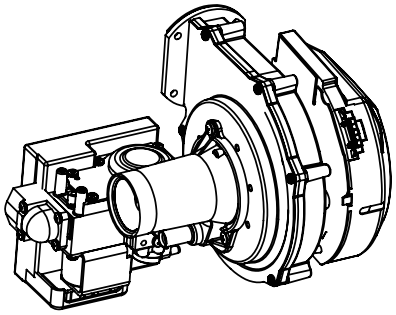
GAS TRAIN - ORIENTATION - 230V



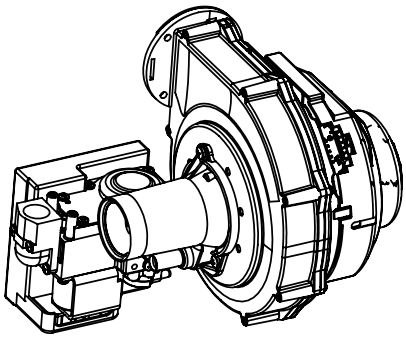
5016276 (6-10G) 230V
GAS TRAIN, 20KW



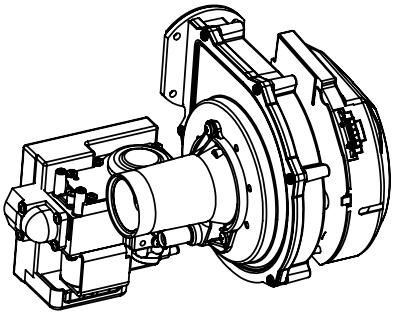
5016277 (7-20G) 230V
GAS TRAIN, 30KW



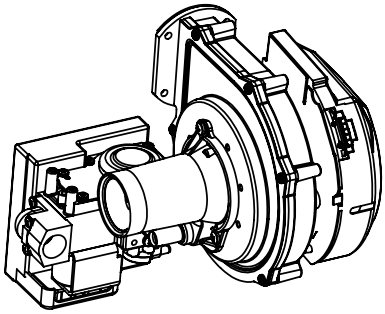
5016277 (10-10G) 230V
GAS TRAIN, 30KW



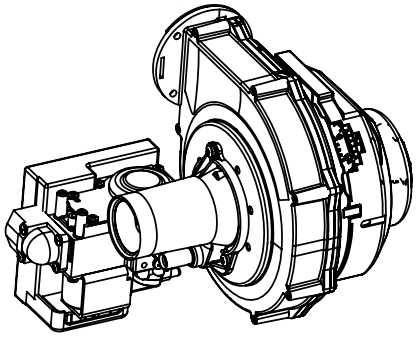
5016278 (10-20G) 230V
GAS TRAIN, 40KW



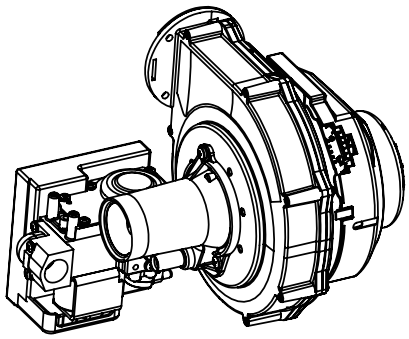
5016277 (20-10G TOP) 230V
GAS TRAIN, 40KW



5016277 (20-10G BOTTOM) 230V
GAS TRAIN, 40KW



5016278 (20-20G TOP) 230V
GAS TRAIN, 40KW

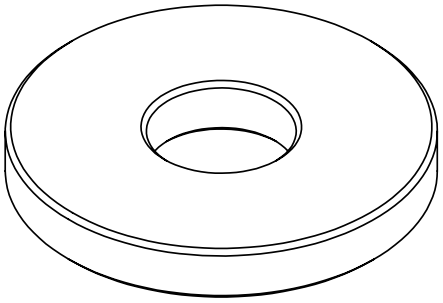


5016278 (20-20G BOTTOM) 230V
GAS TRAIN, 40KW

PARTS INFORMATION

GAS TRAIN - ORIFICE

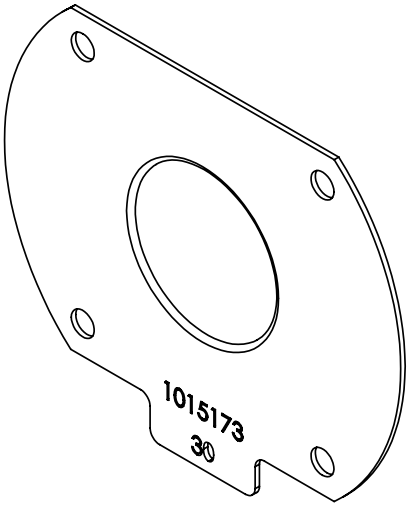
Item	Part	Description	Qty.
1	OR-35874	ORIFICE, GAS VALVE DISC 4.65mm, 6-10 G25, 10-20 G31, 20-20 G31	1
2	OR-35876	ORIFICE, GAS VALVE DISC 2.50mm, 6-10 G30	1
3	OR-35877	ORIFICE, GAS VALVE DISC 3.90mm, 10-10 G30, 20-10 G30, 7-20 G30	1
4	OR-35878	ORIFICE, GAS VALVE DISC 4.15mm, 10-10 G31, 20-10 G31, 10-20 G30, 20-20 G30	1
5	OR-35943	ORIFICE, GAS VALVE DISC 5.65mm, 10-10 G20, 20-10 G20, 10-20 G20, 20-20 G20	1
6	OR-36006	ORIFICE, GAS VALVE DISC 6.20mm, 7-20 G25	1
7	OR-36007	ORIFICE, GAS VALVE DISC 6.00mm, 10-10 G25, 20-10 G25	1
8	OR-36207	ORIFICE, GAS VALVE DISC 6.00mm, 10-20 G25, 20-20 G25	1
9	OR-36625	ORIFICE, GAS VALVE DISC 3.75mm, 6-10 G20	1
10	OR-36626	ORIFICE, GAS VALVE DISC 2.75mm, 6-10 G31	1
11	OR-36627	ORIFICE, GAS VALVE DISC 5.55mm, 7-20 G20	1
12	OR-36628	ORIFICE, GAS VALVE DISC 4.20mm, 7-20 G31	1



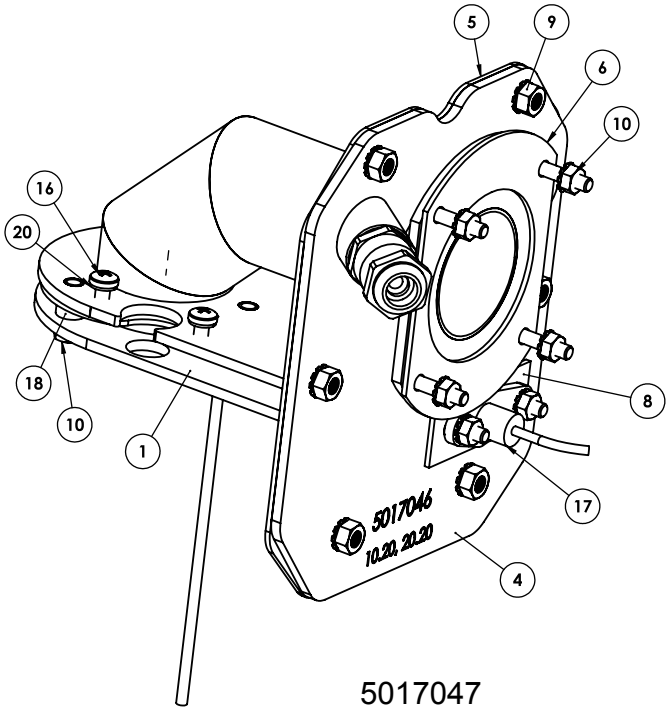
NOTE: Natural Gas = G20
Propane = G31
Butane = G30
Low Calorific Natural Gas = G25

GAS TRAIN - RESTRICTOR PLATE

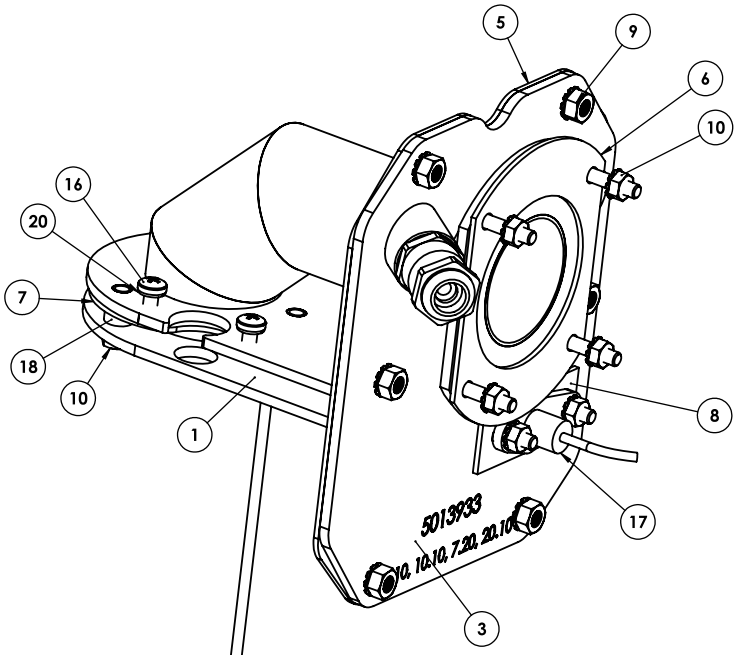
Item	Part	Description	Qty.
1	1012504	PLATE, RESTRICTOR COMBI, 20mm, 10-20 G30, 20-20 G30	1
2	1012817	PLATE, RESTRICTOR COMBI, 25mm, 7-20 G25	1
3	1013843	PLATE, RESTRICTOR COMBI, 14mm, 6-10	1
4	1013844	PLATE, RESTRICTOR COMBI, 21mm, 10-20 G25, 20-20 G25	1
5	1013845	PLATE, RESTRICTOR COMBI, 22mm, 10-20 G20, 10-20 G31, 20-20 G20, 20-20 G31	1
6	1014619	PLATE, RESTRICTOR COMBI, 17mm, 10-10 G31, 10-10 G30, 20-10 G31, 20-10 G30	1
7	1015074	PLATE, RESTRICTOR COMBI, 18mm, 10-10 G20, 10-10 G25, 20-10 G20, 20-10 G25	1
8	1015075	PLATE, RESTRICTOR COMBI, 23mm, 7-20 G31	1
9	1015076	PLATE, RESTRICTOR COMBI, 24mm, 7-20 G20, 7-20 G30	1



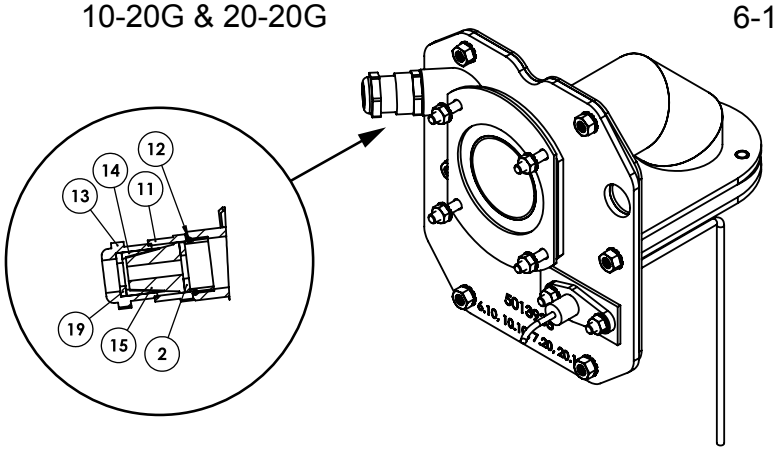
GAS BURNER - MOUNT FLANGE



5017047
10-20G & 20-20G



5014966
6-10G, 10-10G, 7-20G, 10-20G

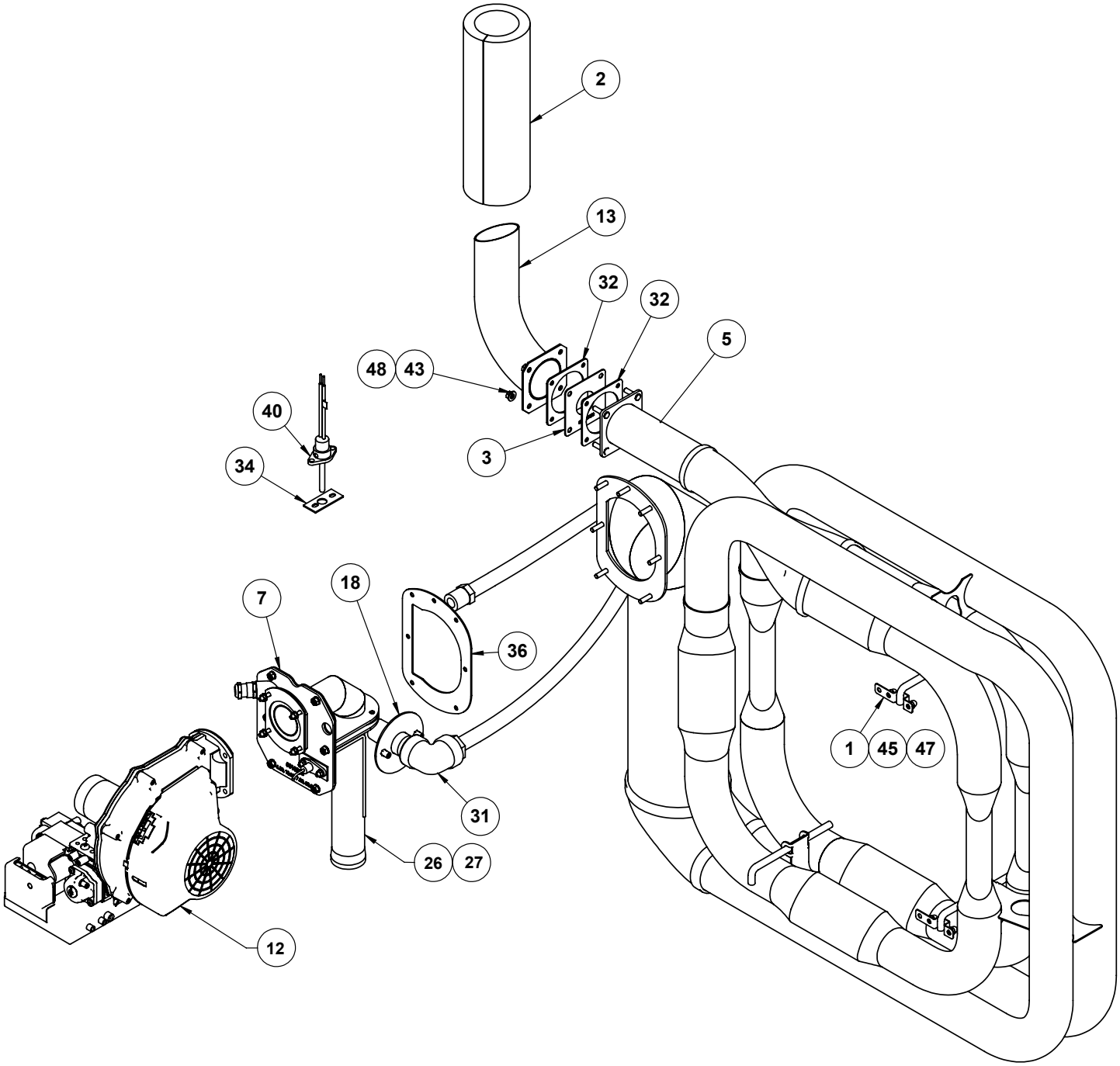


Item	Part	Description	Qty.
1	1015129	FLANGE, BURNER MOUNT OUTLET	1
2	*1015656	WASHER, BURNER FLANGE BUSHING	1
3	5013933	FITTING ASSY, BURNER MOUNT, 6-10G, 10-10G, 7-20G, 20-10G	1
4	5017046	FITTING ASSY, BURNER MOUNT, 10-20G, 20-20G	1
5	GS-29591	GASKET, BURNER FITTING	1
6	GS-29625	GASKET, RESTRICTOR PLATE	1
7	GS-29626	GASKET, 36mm DIAMETER BURNER	1
8	GS-29627	GASKET, IGNITION COMPONENT	1
9	NU-36234	NUT, M5, KEPS	6
10	NU-36319	NUT, M4, KEPS ZINC PLATED	9

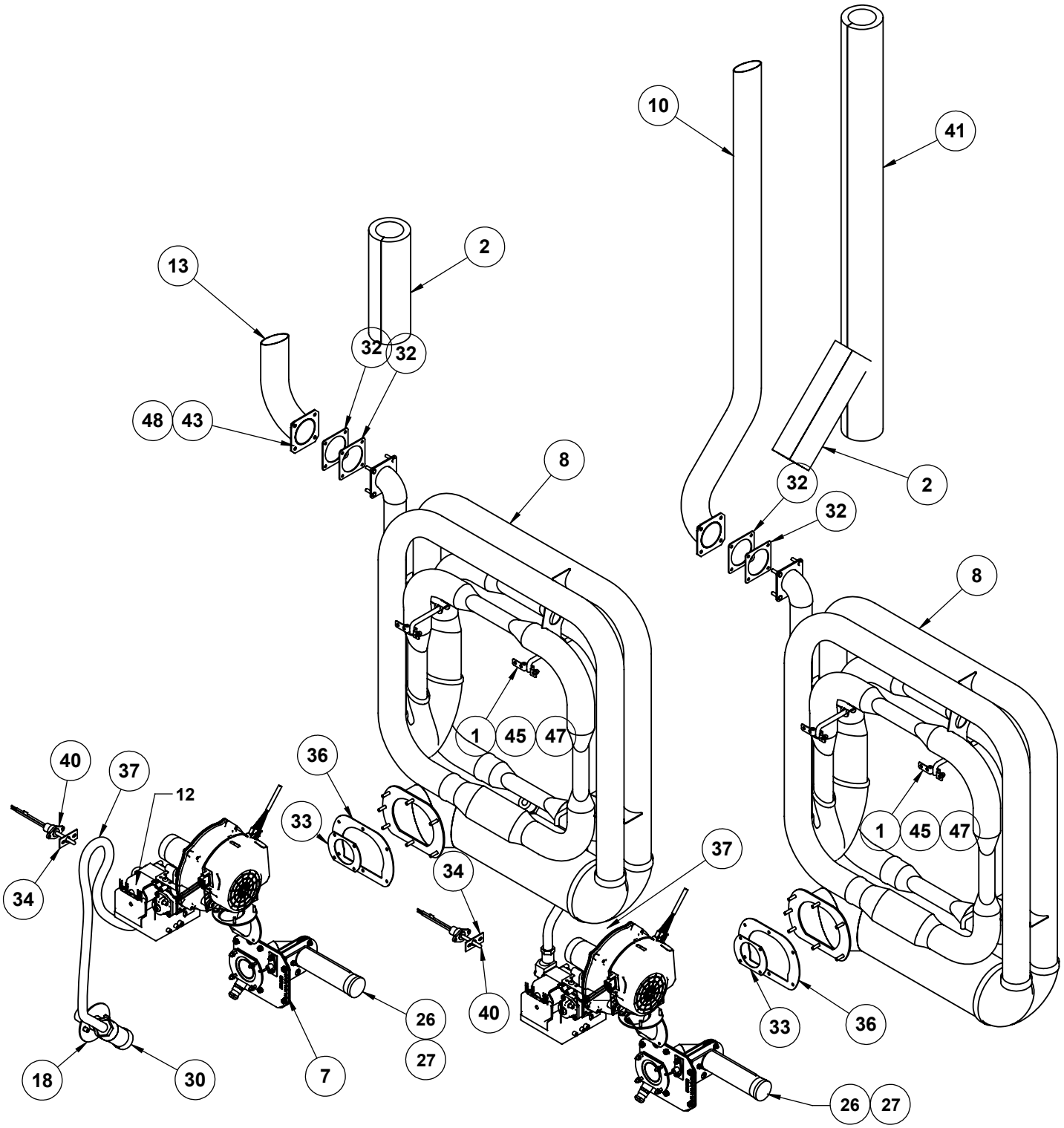
Item	Part	Description	Qty.
11	*PG-3826	PLUGS, ADAPTOR, TUBE TO PLUG	1
12	*SA-22199	SEAL, O-RING, VITON, 13X1.5	1
13	*SA-22320	SEAL, TOP, PG9	1
14	*SA-22321	SEAL, CONE, PG9, BRASS	1
15	*SA-22322	SEAL, INSERT, 4mm DIAMETER	1
16	SC-22271	SCREW, M4X0.7X6mm PAN	2
17	SN-35036	FLAME SENSOR, 24" (635mm) LONG LEAD WIRE	1
18	SP-36320	SPACER, M4, 4mm THICK BURNER	3
19	*WS-22297	WASHER, FLAT	1
20	WS-22300	WASHER, M4 SPLIT LOCK	2
	5017541	IGNITOR SERVICE KIT - INCLUDES ALL * ITEMS	

PARTS INFORMATION

HEAT EXCHANGER - 7-20G



HEAT EXCHANGER - 20-10G



PARTS INFORMATION

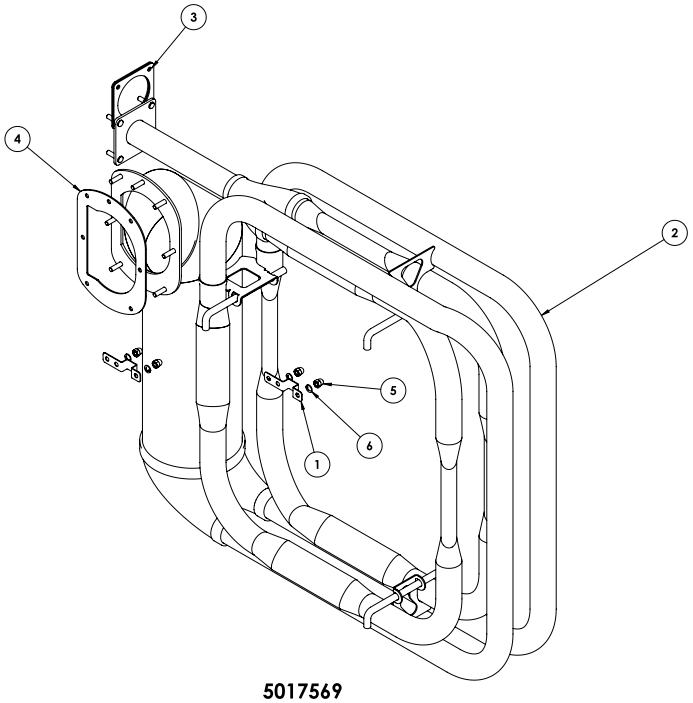
HEAT EXCHANGER SERVICE PARTS

Item	Part	Description	7-20G, 120V	7-20G, 230V	10-20G, 120V	20-10G, 120V	20-20G, 120V	10-20G, 230V	20-20G, 230V	6-10G, 120V	6-10G, 230V	10-10G, 120V	10-10G, 230V	20-10G, 230V
1	1013269	BRACKET, HEAT EXCHANGER WIRE	2	2	2	4	4	2	4	2	2	2	2	4
2	1014091	INSULATION, 0.5" FIBERGLASS	1	1	1	2	2	1	2	1	1	1	1	2
3	1015240	29mm FLUE RESTRICTOR	1	1	-	-	-	-	-	-	-	-	-	-
4	1015848	BRACKET, IGNITER	-	1	-	-	-	1	2	-	1	-	1	2
5	5013430	HEAT EXCHANGER, 30KW VERTICAL	1	1	-	-	-	-	-	-	-	-	-	-
6	5013953	HEAT EXCHANGER ASSEMBLY, 20KW	-	-	-	-	-	-	-	1	1	-	-	-
7	5014966	BURNER SUBASSEMBLY, FULL PREMIX	1	1	-	2	-	-	-	1	1	1	1	2
8	5014973	HEAT EXCHANGER, 30KW HORIZONTAL	-	-	-	2	-	-	-	-	-	1	1	2
9	5015140	GAS TRAIN, 30KW 120V GI COMBI	-	-	-	-	-	-	-	1	-	-	-	-
10	5015273	TUBE ASSY, GAS EXHAUST, 20	-	-	-	1	1	-	1	-	-	-	-	1
11	5015434	GAS TRAIN, 30KW 120V GI COMBI	1	-	-	2	-	-	-	-	-	1	-	-
12	5015435	GAS TRAIN, 40KW 120V GI COMBI	-	-	1	-	2	-	-	-	-	-	-	-
13	5015461	TUBE ASSY, GAS EXHAUST, SHORT	1	1	1	1	1	1	1	1	1	1	1	1
14	5015709	HEAT EXCHANGER ASSEMBLY, 40KW	-	-	1	-	2	1	2	-	-	-	-	-
15	5016096	CABLE, COMBINED GAS VALVE AND	1	1	1	2	2	1	2	1	1	1	1	2
16	5016122	CABLE, PWM WITH 5 PIN CONNECTOR	1	1	1	2	2	1	2	1	1	1	1	2
17	5016123	CABLE, COMBUSTION POWER 3 PIN	1	1	1	2	2	1	2	1	1	1	1	2
18	5016250	WELD, GAS PIPE MOUNT	1	1	1	1	1	1	1	1	1	1	1	1
19	5016276	GAS TRAIN, 20KW 230V GI COMBI	-	-	-	-	-	-	-	-	1	-	-	-
20	5016277	GAS TRAIN, 30KW 230V GI COMBI	-	1	-	-	-	-	-	-	-	-	1	2
21	5016278	GAS TRAIN, 40KW 230V GI COMBI	-	-	-	-	-	1	2	-	-	-	-	-
22	5016504	STRAIGHT ELBOW, GAS BLOWER	-	-	1	2	2	1	2	-	-	1	1	2
23	5017047	BURNER SUBASSY, FULL PREMIX	-	-	1	-	2	1	2	-	-	-	-	-
24	5017494	240V WIRE FOR IGNITOR TABLE TOP MODELS	-	1	-	-	-	1	-	-	1	-	1	-
25	5017495	240V WIRE FOR IGNITOR FLOOR MODELS	-	-	-	-	-	-	1	-	-	-	-	1
26	BA-36655	HOT SURFACE IGNITION VOLTAGE CONTROLLER	-	1	-	-	-	1	2	-	1	-	1	2
27	BN-29609	BURNER, PREMIX 36mm DIA, 20KW	-	-	-	2	-	-	-	1	1	1	1	2
28	BN-29610	BURNER, PREMIX 36mm DIA, 30KW	1	1	1	-	2	1	2	-	-	-	-	-
29	CL-22234	CLAMP, WORM GEAR, 40-60, HOSE	-	-	1	-	2	1	2	-	-	-	-	-
30	FT-35892	FITTING, TEE 3/4" NPT FEMALE S/S	-	-	-	1	1	-	1	-	-	-	-	1
31	FT-35894	FITTING, 90 DEGREE 3/4" NPT FEMALE S/S	1	1	1	-	-	1	-	1	1	1	1	-
32	GS-29592	GASKET, EXHAUST TUBE, 50mm	2	2	2	4	4	2	4	2	2	2	2	4
33	GS-29625	GASKET, RESTRICTOR PLATE	-	-	1	2	2	1	2	-	-	1	1	2
34	GS-29627	GASKET, IGNITION COMPONENT	1	1	1	2	2	1	2	1	1	1	1	2
35	GS-35164	GASKET, HEAT EXCHANGER, LARGE	-	-	1	-	2	1	2	-	-	-	-	-
36	GS-35165	GASKET, HEAT EXCHANGER, SMALL	1	1	-	2	-	-	-	1	1	1	1	2
37	HO-35895	HOSE, GAS 1/2" ID 460mm, 20-10 TOP	1	1	1	2	2	1	2	1	1	-	-	2
38	HO-35895	HOSE, GAS 1/2" ID 460mm, 10-10G	-	-	-	-	-	-	-	-	-	1	1	-
39	HO-36604	HOSE, 2" ID	-	-	1	-	2	1	2	-	-	-	-	-
40	IG-36336	IGNITER. HOT SURFACE, 120V	1	1	1	2	2	1	2	1	1	1	1	2
41	IN-35737	INSULATION, 0.5" FIBERGLASS	-	-	-	1	1	-	1	-	-	-	-	1
42	NU-22286	M4-0.7 HEX NUT 18-8	-	-	4	8	8	4	8	-	-	4	4	8
43	NU-22289	NUT, M5-0.8 HEX NUT 18-8 DIN # 934	4	4	4	8	8	4	8	4	4	4	4	8
44	NU-26866	NUT, HEX INSERT M4	-	1	-	-	-	1	1	-	1	-	1	1
45	NU-35233	NUT, M5 DOMED	4	4	4	8	8	4	8	4	4	4	4	8
46	SC-22765	SCREW, M4x0.7X20mm, PAN	-	1	-	-	-	1	2	-	1	-	1	2
47	WS-22301	WASHER, M5 SPLIT LOCK S/S 18-8 DIN #127B	4	4	4	8	8	4	8	4	4	4	4	8
48	WS-22302	WASHER, SPLIT LOCK	4	4	4	8	8	4	8	4	4	4	4	8

HEAT EXCHANGER SERVICE KITS

5017569 Service Kit for 6-10G includes:

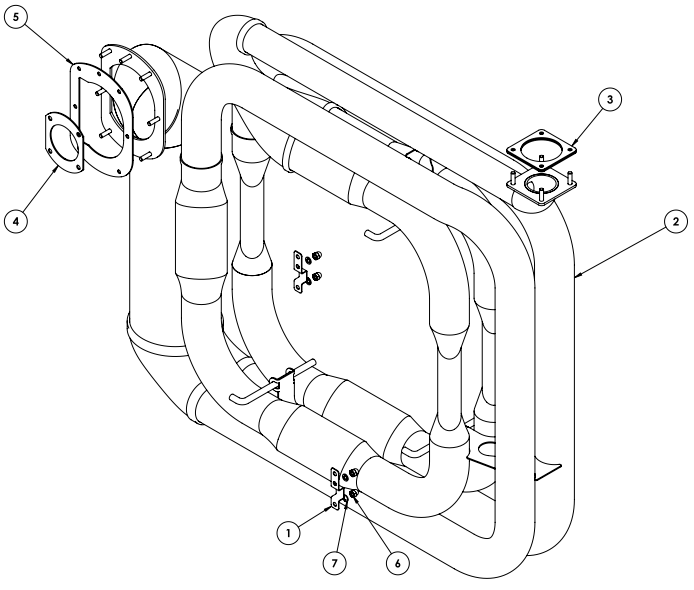
Item	Part	Description	Qty.
1	1013269	BRACKET, HEAT EXCHANGER WIRE	2
2	5013953	HEAT EXCHANGER ASSEMBLY, 20KW	1
3	GS-29592	GASKET, EXHAUST TUBE, 50mm	2
4	GS-35165	GASKET, HEAT EXCHANGER, CHAMBER	1
5	NU-35233	NUT, M5, DOMED	4
6	WS-22301	WASHER, M5 SPLIT LOCK	4



5017569

5017568 Service Kit for 10-10G includes:

Item	Part	Description	Qty.
1	1013269	BRACKET, HEAT EXCHANGER WIRE	2
2	5014973	HEAT EXCHANGER ASSEMBLY, 30KW	1
3	GS-29592	GASKET, EXHAUST TUBE, 50mm	2
4	GS-29625	GASKET, RESTRICTOR PLATE	1
5	GS-35165	GASKET, HEAT EXCHANGER, CHAMBER	1
6	NU-35233	NUT, M5, DOMED	4
7	WS-22301	WASHER, M5 SPLIT LOCK	4



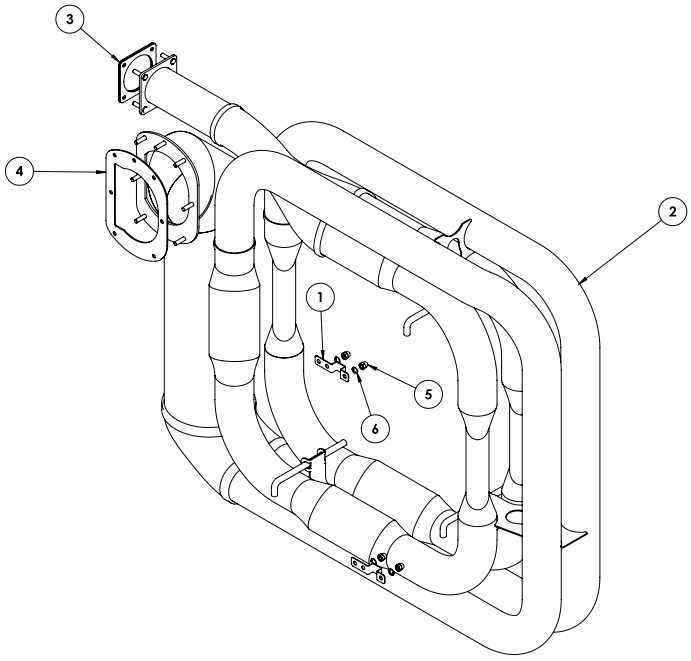
5017568

PARTS INFORMATION

HEAT EXCHANGER SERVICE KITS

5017567 Service Kit for 7-20G includes:

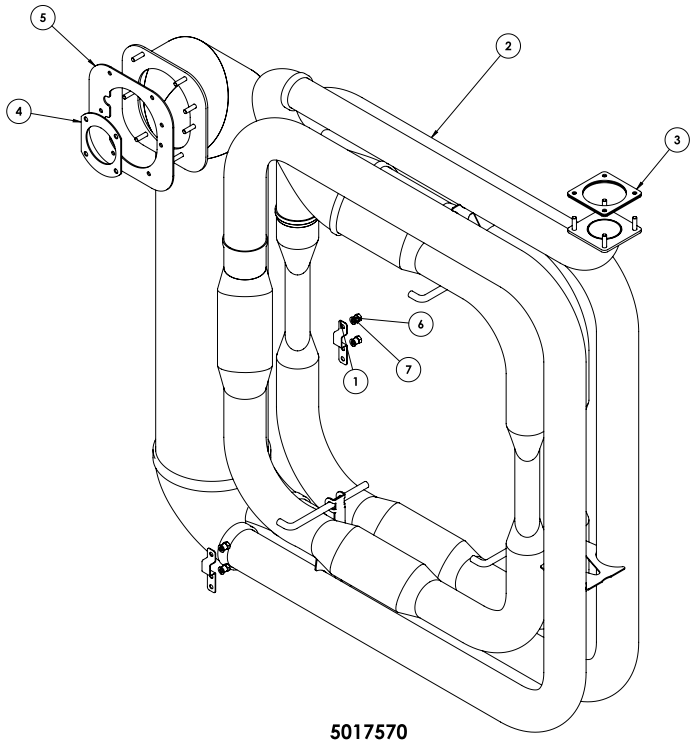
Item	Part	Description	Qty.
1	1013269	BRACKET, HEAT EXCHANGER WIRE	2
2	5013430	HEAT EXCHANGER ASSEMBLY, 30KW	1
3	GS-29592	GASKET, EXHAUST TUBE, 50mm	2
4	GS-35165	GASKET, HEAT EXCHANGER, CHAMBER	1
5	NU-35233	NUT, M5, DOMED	4
6	WS-22301	WASHER, M5 SPLIT LOCK	4



5017567

5017570 Service Kit for 10-20G includes:

Item	Part	Description	Qty.
1	1013269	BRACKET, HEAT EXCHANGER WIRE	2
2	5015709	HEAT EXCHANGER ASSEMBLY, 40KW	1
3	GS-29592	GASKET, EXHAUST TUBE, 50mm	2
4	GS-29625	GASKET, RESTRICTOR PLATE	1
5	GS-35164	GASKET, HEAT EXCHANGER, CHAMBER	1
6	NU-35233	NUT, M5, DOMED	4
7	WS-22301	WASHER, M5 SPLIT LOCK	4

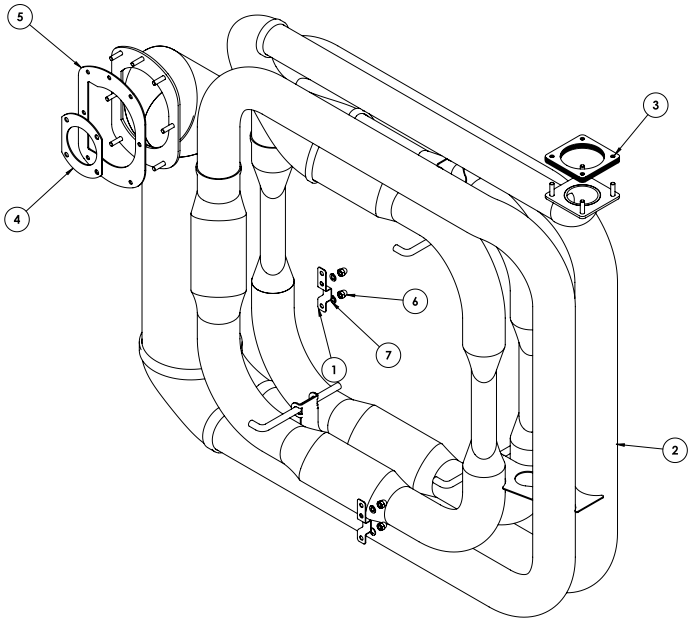


5017570

HEAT EXCHANGER SERVICE KITS

5017571 Service Kit for 20-10G includes:

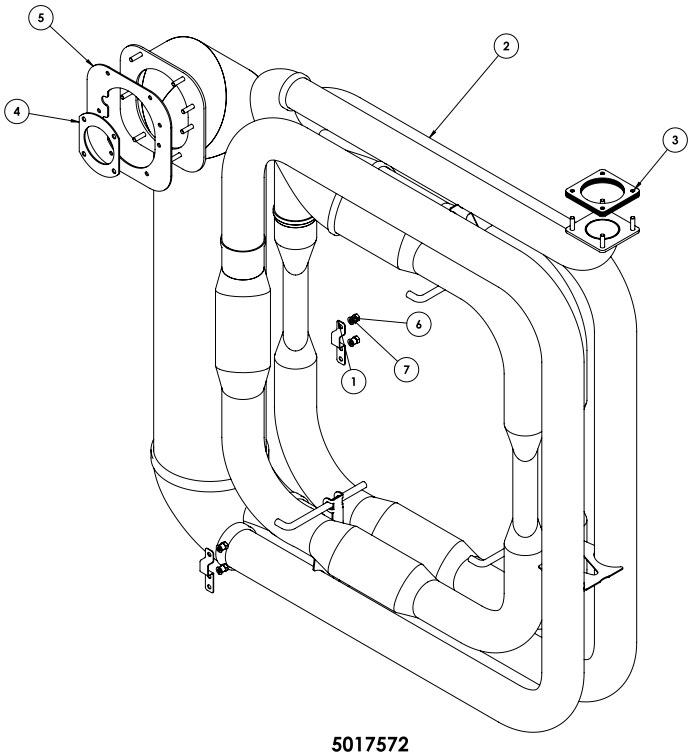
Item	Part	Description	Qty.
1	1013269	BRACKET, HEAT EXCHANGER WIRE	2
2	5014973	HEAT EXCHANGER ASSEMBLY, 30KW	1
3	GS-29592	GASKET, EXHAUST TUBE, 50mm	4
4	GS-29625	GASKET, RESTRICTOR PLATE	1
5	GS-35165	GASKET, HEAT EXCHANGER, CHAMBER	1
6	NU-35233	NUT, M5, DOMED	4
7	WS-22301	WASHER, M5 SPLIT LOCK	4



5017571

5017572 Service Kit for 20-20G includes:

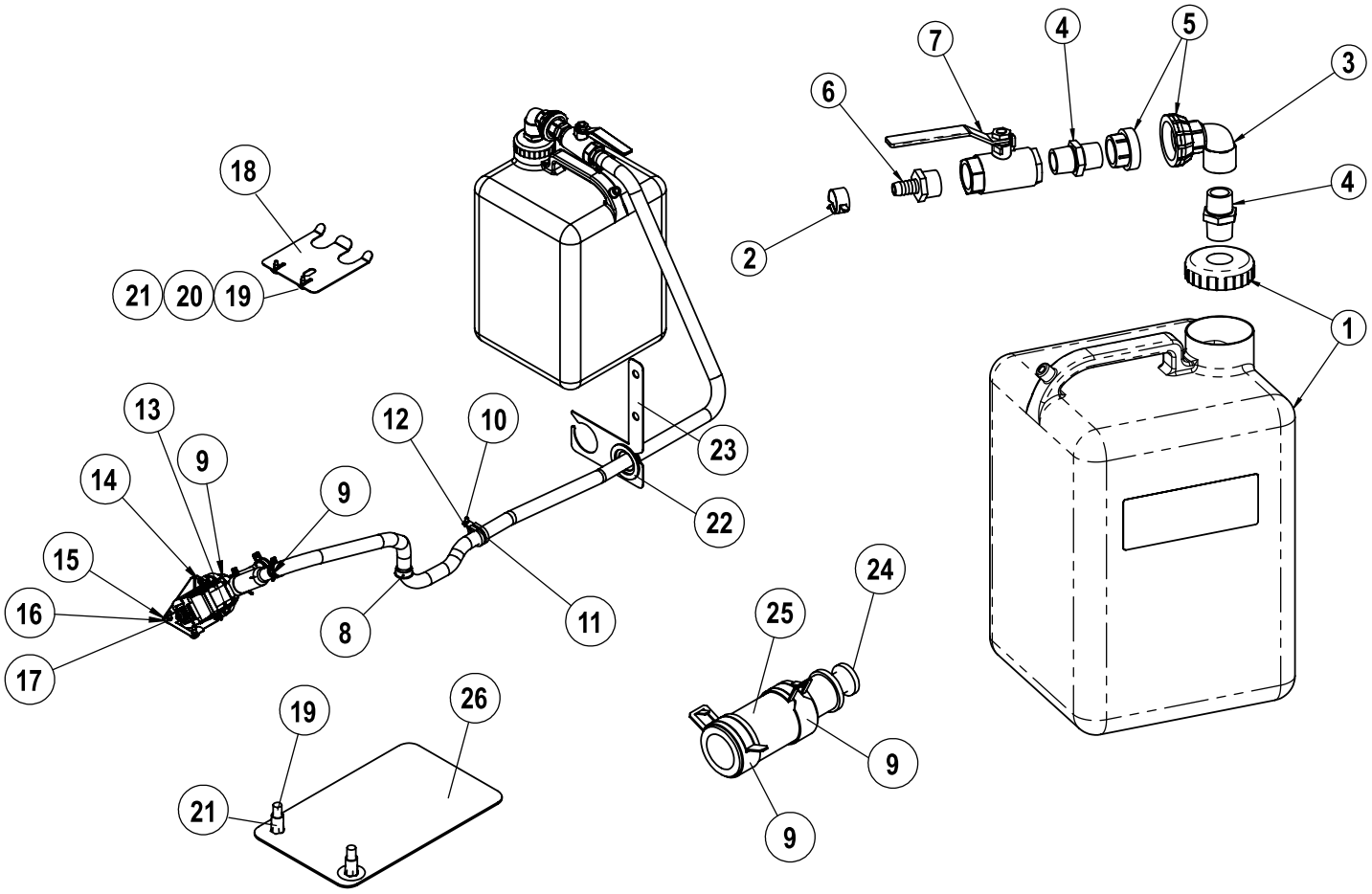
Item	Part	Description	Qty.
1	1013269	BRACKET, HEAT EXCHANGER WIRE	2
2	5015709	HEAT EXCHANGER ASSEMBLY, 40KW	1
3	GS-29592	GASKET, EXHAUST TUBE, 50mm	4
4	GS-29625	GASKET, RESTRICTOR PLATE	1
5	GS-35164	GASKET, HEAT EXCHANGER, CHAMBER	1
6	NU-35233	NUT, M5, DOMED	4
7	WS-22301	WASHER, M5 SPLIT LOCK	4



5017572

PARTS INFORMATION

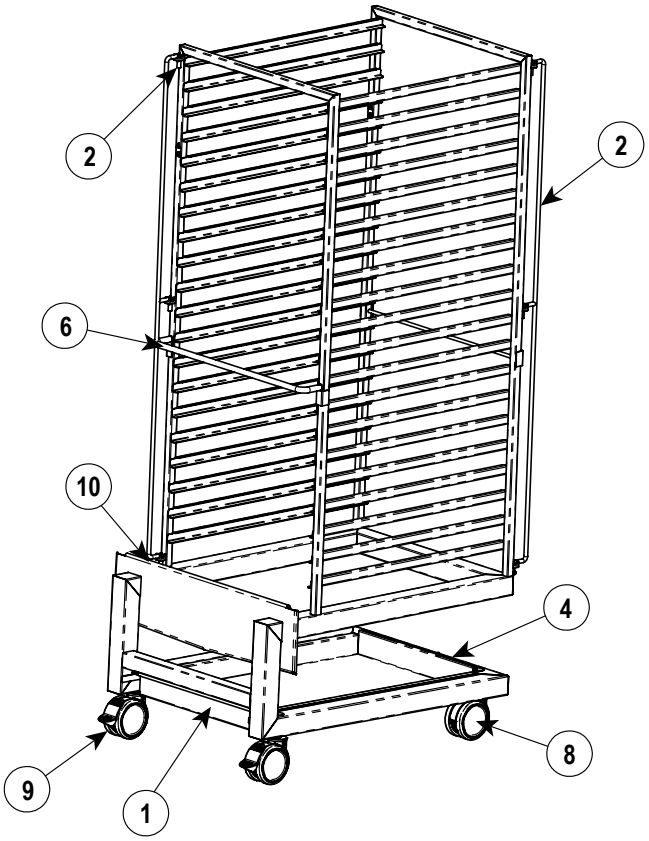
GREASE COLLECTION



Item	Part	Description	Qty.
1	5014846	GREASE COLLECTION CONTAINER	1
2	CM-29301	CLAMP, HOSE, 23mm	1
3	EL-35128	ELBOW, STREET, 3/4" NPT	1
4	FT-29811	FITTING, 3/4" NPT HEX, NYLON	2
5	FT-35081	FITTING, STD UNION 3/4" NPT	1
6	FI-35203	FITTING, 1/2" BARB TO 3/4" NOT ADAPTOR	1
7	VA-29814	VALVE, BALL, 3/4" NPT, BRASS	1
8	BU-3378	BUSHING, 1-1/8" SNAP	1
9	CM-29037	CLAMP, HOSE 23mm	3
10	NU-26866	NUT, HEX INSERT M4	1
11	CM-35981	LOOP CLAMP, SURE-GRIP, CUSHIONED	1
12	SC-22273	SCREW, M4X0.7X10mm PAN	1
13	MO-35262	PUMP, WASH SYSTEM, 110V	1
	MO-35160	PUMP, WASH SYSTEM, 220	1

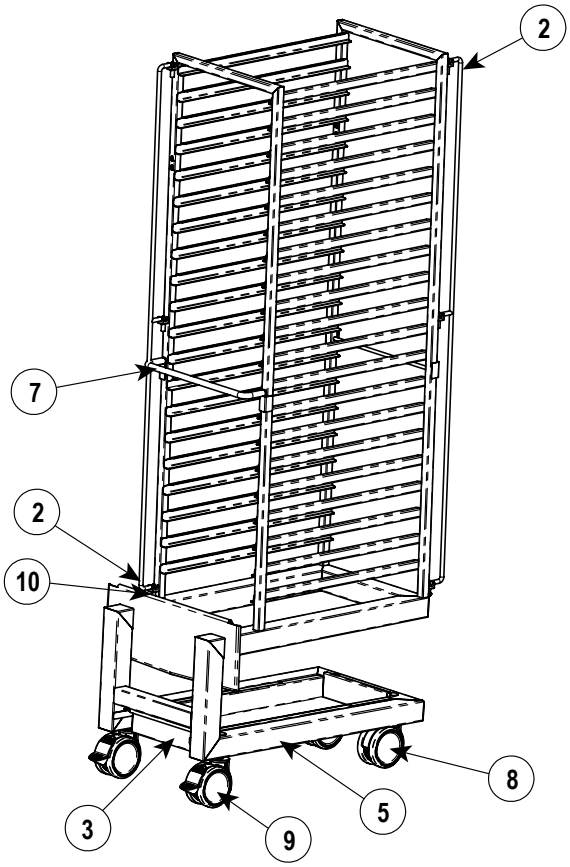
Item	Part	Description	Qty.
14	SC-22307	SCREW, M4.8X16mm PHILIPS PAN HEAD	2
15	WS-22094	WASHER, 1/4" FLAT, 18-8 SS	4
16	WS-22302	WASHER, SPLIT LOCK	4
17	SC-22779	SCREW, M5X0.8X20mm PAN	4
18	1015416	BRACKET, GREASE COLLECTION HOSES	1
19	SC-22779	SCREW, M5X0.8X22mm PAN	4
20	WS-22094	WASHER, 1/4", FLAT	4
21	NU-23909	NUT, HEX INSERT M5	2
22	BU-22204	BUSHING, SOCKET, MEMBRANE	1
23	1015428	BRACKET, GREASE COLLECTION HOSE	1
24	PG-35955	PLUG, 7/8"	1
25	HO-27892	HOSE, .875" ID, 2.5" LONG	1
26	1014436	COVER	1
	1015423	GREASE COLLECTION DRIP PAN, 6-10, 10-10, 20-10	1
	1015422	GREASE COLLECTION DRIP PAN, 7-10, 10-20, 20-20	1

20-10 AND 20-20 PAN TROLLEY



5014652
TROLLEY, 20 SHELF PAN
WIDE

5017148
(CORRECTIONAL INSTITUTION)



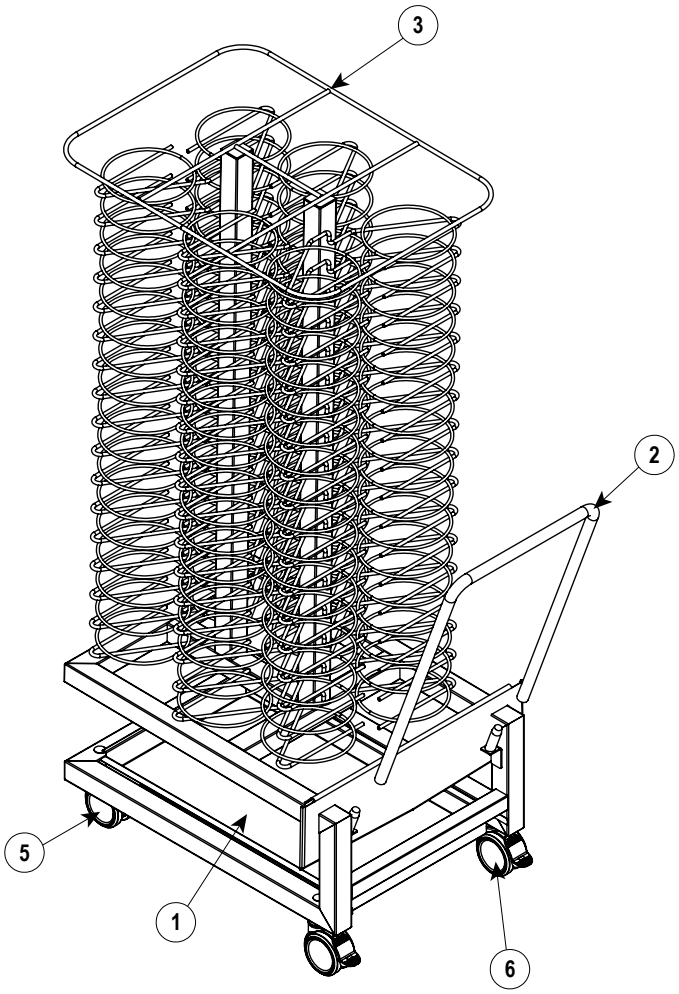
5015049
TROLLEY, 20 SHELF PAN
NARROW

5017149
(CORRECTIONAL INSTITUTION)

Item	Part	Description	5014652 Qty.	5015049 Qty.
1	1013084	Pan, Wide Trolley	1	—
2	1014124	Rod, Trolley Lock	2	2
3	1014415	Pan, Narrow Trolley	—	1
4	5015078	Trolley, Frame, Weldment	1	—
5	5015079	Trolley, Frame, Weldment	—	1
6	5017213	20-20 Pan Trolley Handle Weldment	1	—
7	5017214	20-10 Pan Trolley Handle Weldment	—	1
8	CS-36218	Caster, Swivel Caster, No Brake	2	2
9	CS-36219	Caster, Swivel Caster, With Brake	2	2
10	SC-23664	Screw, M4 x 0.7 x 10mm Hex	2	2

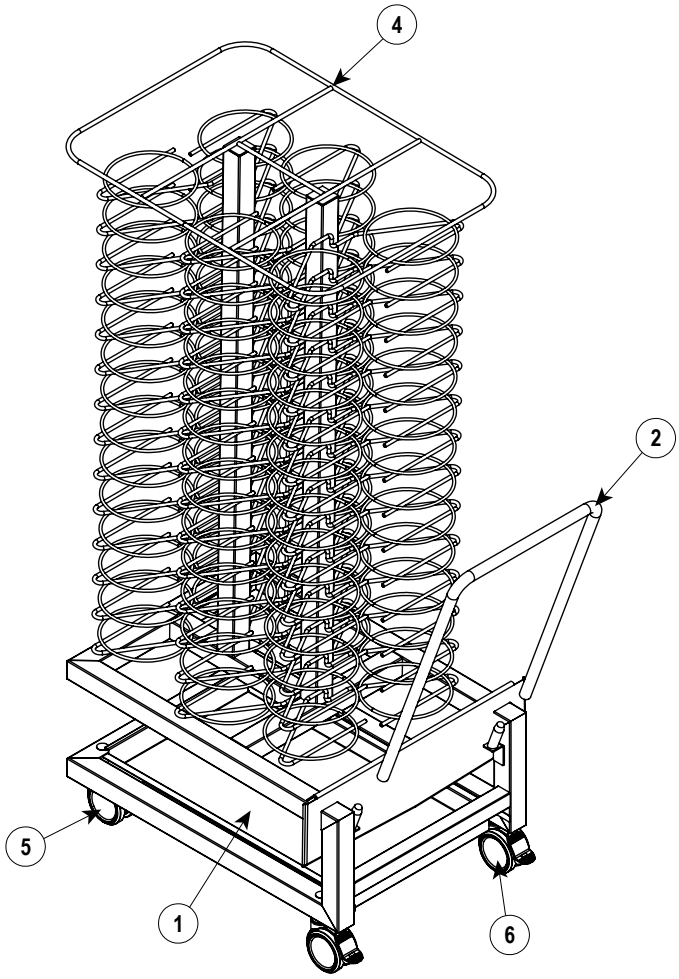
PARTS INFORMATION

20-20 PLATE TROLLEY



5016478
TROLLEY, 20-20
102 PLATE TROLLEY

5017150
(CORRECTIONAL INSTITUTION)

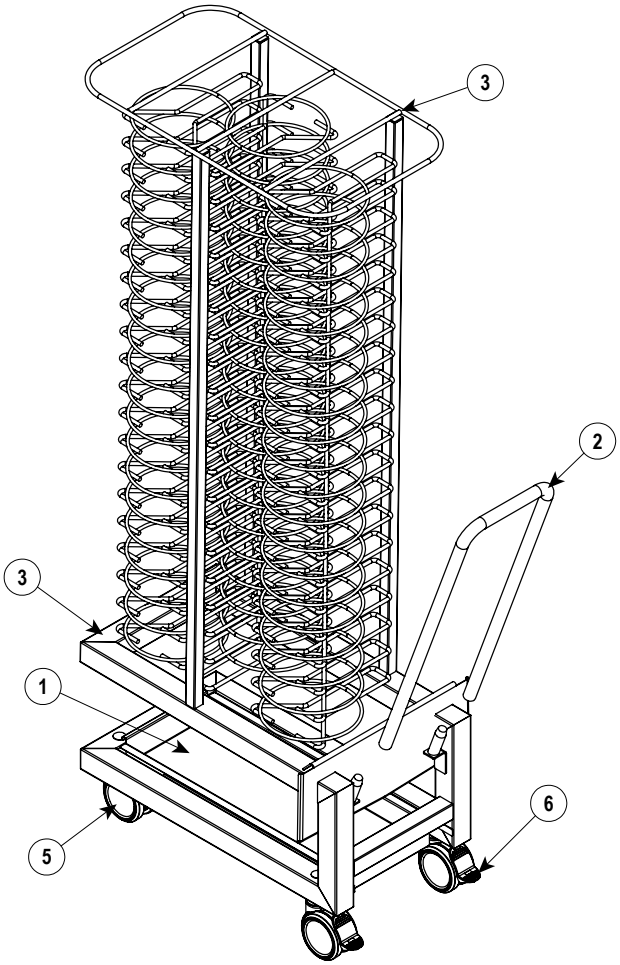


5016480
TROLLEY, 20-20
84 PLATE TROLLEY

5017151
(CORRECTIONAL INSTITUTION)

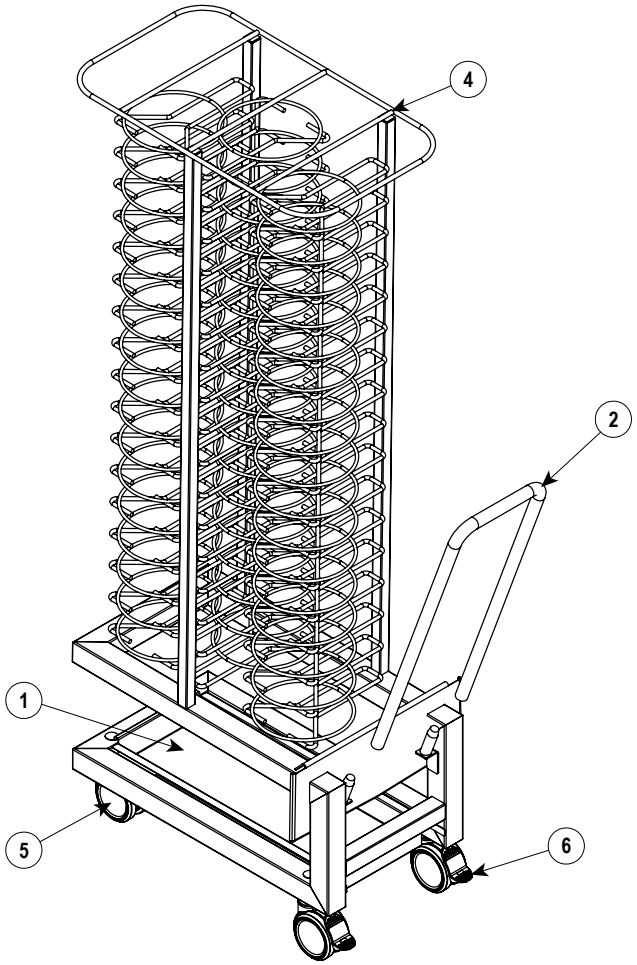
Item	Part	Description	5016478 Qty.	5016480 Qty.
1	1013084	Pan, Wide Trolley	1	1
2	1014577	Pan, Wide Trolley	1	1
3	5016455	Trolley, Frame, Weldment	1	—
4	5016479	Trolley, Frame, Weldment	—	1
5	CS-36218	Caster, Swivel Caster, No Brake	2	2
6	CS-36219	Caster, Swivel Caster, With Brake	2	2

20-10 PLATE TROLLEY



5016489
TROLLEY, 20-10
60 PLATE TROLLEY

5017153
(CORRECTIONAL INSTITUTION)



5016490
TROLLEY, 20-10
51 PLATE TROLLEY

5017154
(CORRECTIONAL INSTITUTION)

Item	Part	Description	5016489 Qty.	5016490 Qty.
1	1014415	Pan, Narrow Trolley	1	1
2	1014578	Handle, 20-10 Plate Trolley	1	1
3	5016481	Trolley, Frame, Weldment	1	—
4	5016482	Trolley, Frame, Weldment	—	1
5	CS-36218	Caster, Swivel Caster, No Brake	2	2
6	CS-36219	Caster, Swivel Caster, With Brake	2	2

DOOR SERVICE PARTS

Right Hinged Door Assembly - Counter Top F-2

Right Hinged Door Assembly - 20-10, 20-20 . . . . . F-4

Recessed Door Assembly - Counter Top F-6

Recessed Door Assembly - 20-10, 20-20 . . . . . F-8

Recessed Door Trolley Asembly. F-10

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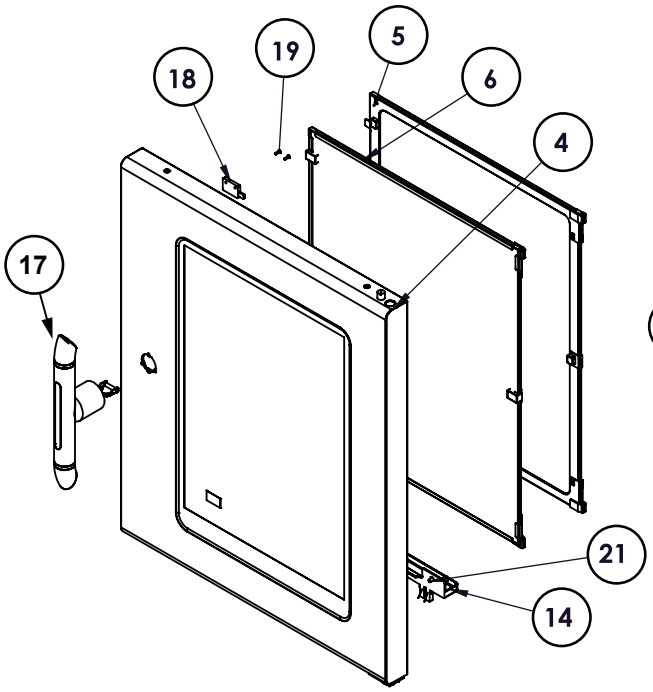
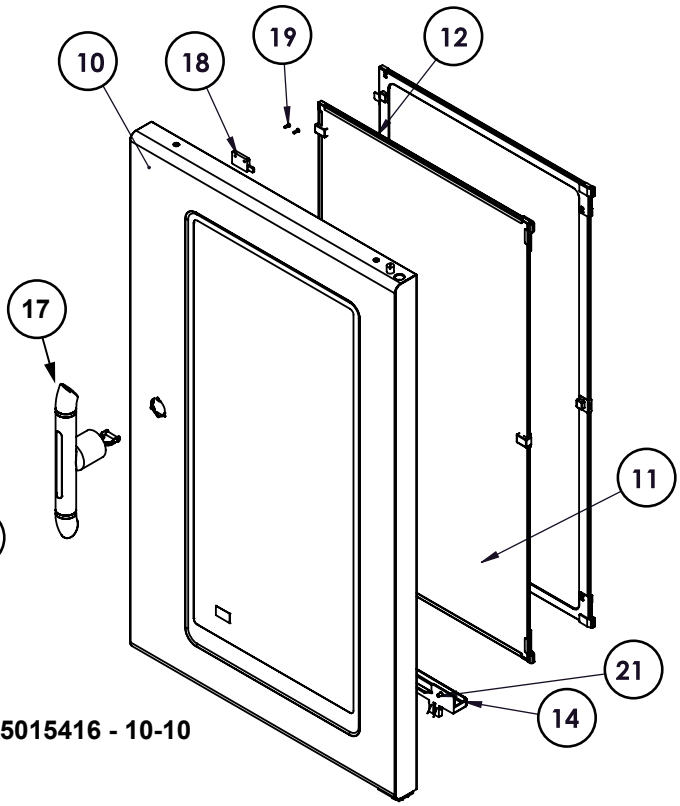
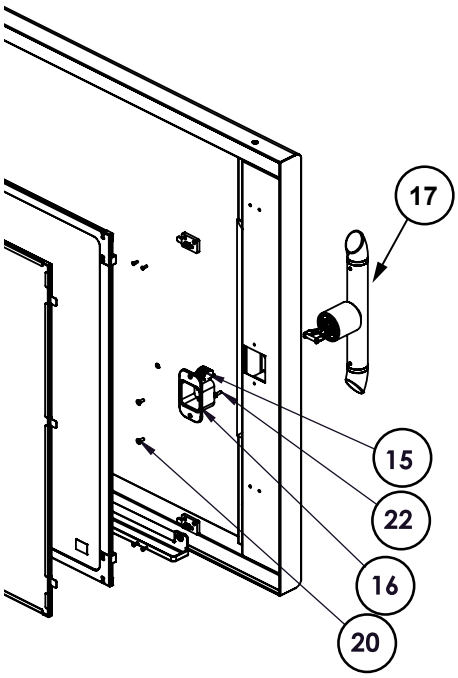


5015065 - 6-10

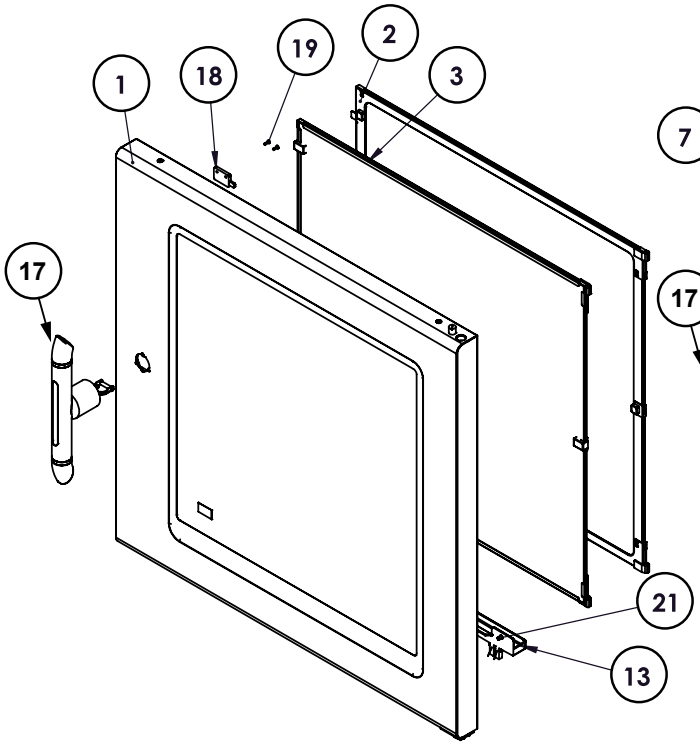


5015416 - 10-10

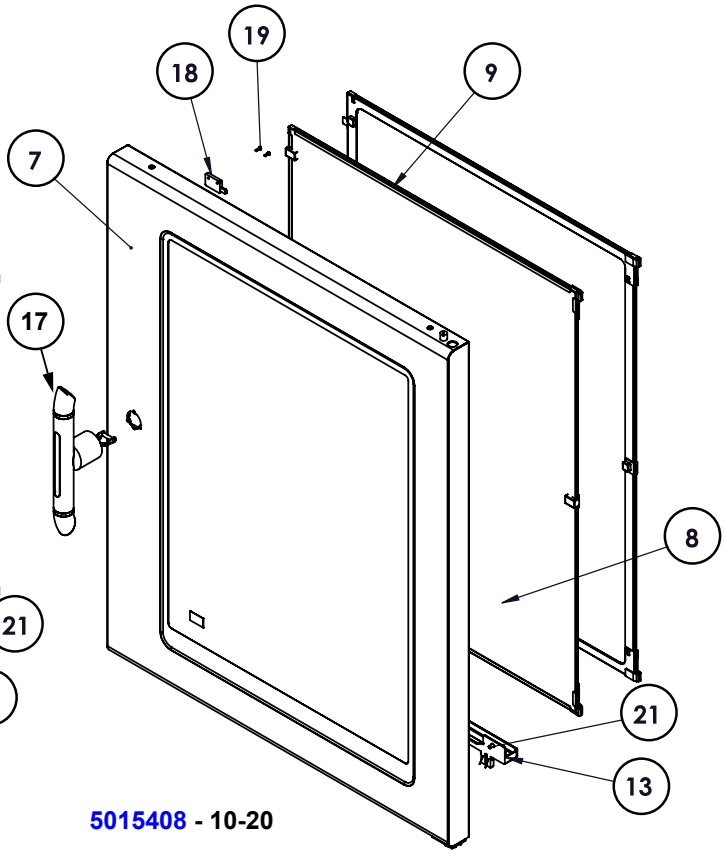


Item	Part	Description	Qty.
1	5014933	OUTER DOOR ASSEMBLY, 7-20	1
2	5014961	INNER DOOR GLASS ASSB, 7-20	1
3	5014962	MIDDLE DOOR GLASS ASSB, 7-20	1
4	5015062	OUTER DOOR ASSEMBLY, 6-10	1
5	5015068	INNER DOOR GLASS ASSB, 6-10	1
6	5015074	MIDDLE DOOR GLASS ASSB, 6-10	1
7	5015397	OUTER DOOR ASSEMBLY, 10-20	1
8	5015406	INNER DOOR GLASS ASSB, 10-20	1
9	5015407	MIDDLE DOOR GLASS ASSB, 10-20	1
10	5015410	OUTER DOOR ASSEMBLY, 10-10	1
11	5015411	INNER DOOR GLASS ASSB, 10-10	1
12	5015414	MIDDLE DOOR GLASS ASSB, 10-10	1
13	5016716	DRIP TRAY ASSB, COMBI DOOR, 2013	1
14	5016717	DRIP TRAY ASSB, COMBI DOOR, 2013	1
15	CR-34967	CONNECTOR-2 CONDUCTOR	2
16	CV-35758	COVER, RAHRBACH HANDLE, PLASTIC	1
17	HD-35197	HANDLE, PENDULUM, COMBI, T-SHAPE	1
18	LT-36064	LATCH, INNER GLASS LOCKING	2
19	SC-23102	SCREW, M3X0.5X10mm FLAT	4
20	SC-23141	SCREW, M4X0.7X12mm FLAT	2
21	SC-36350	SCREW, M5X.8X10mm BTN FLG	2
22	SC-36662	SCREW, M4X.7 X 12mm SCH HEX SCH	3
23	WS-22300	WASHER, M4 SPLIT LOCK	3

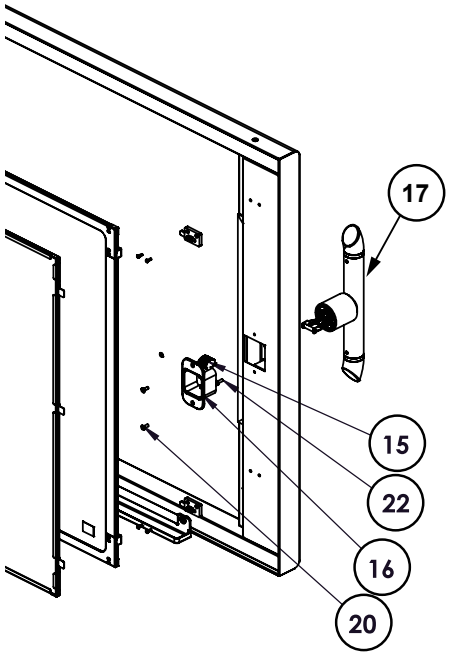
DOOR ASSEMBLY - RIGHT HINGED



5014953 - 7-20



5015408 - 10-20

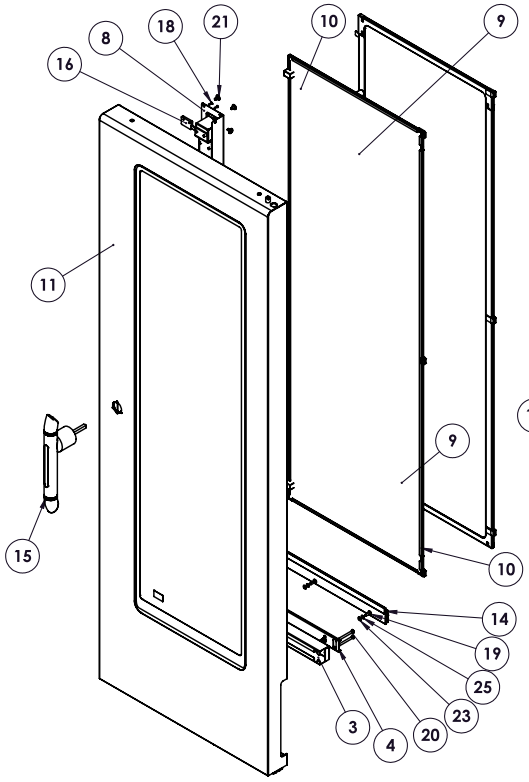


Item	Part	Description	Qty.
	*CV-35741	LIGHT COVER	2
	*LI-35742	LED LIGHT BAR	2
	*DT-35704	PLASTIC DRIP TRAY ASSB ON CHASSIS, 7-20, 10-20	1
	*DT-35789	PLASTIC DRIP TRAY ASSB ON CHASSIS, 6-10, 10-10	1
	*DT-36228	PLASTIC DRIP TRAY ASSB ON CHASSIS, 20-20	1
	*DT-36229	PLASTIC DRIP TRAY ASSB ON CHASSIS, 20-10	1
	*GS-35235	GASKET, COMBI DOOR, 6-10	1
	*GS-35236	GASKET, COMBI DOOR, 10-10	1
	*GS-35238	GASKET, COMBI DOOR, 7-20	1
	*GS-35239	GASKET, COMBI DOOR, 10-20	1

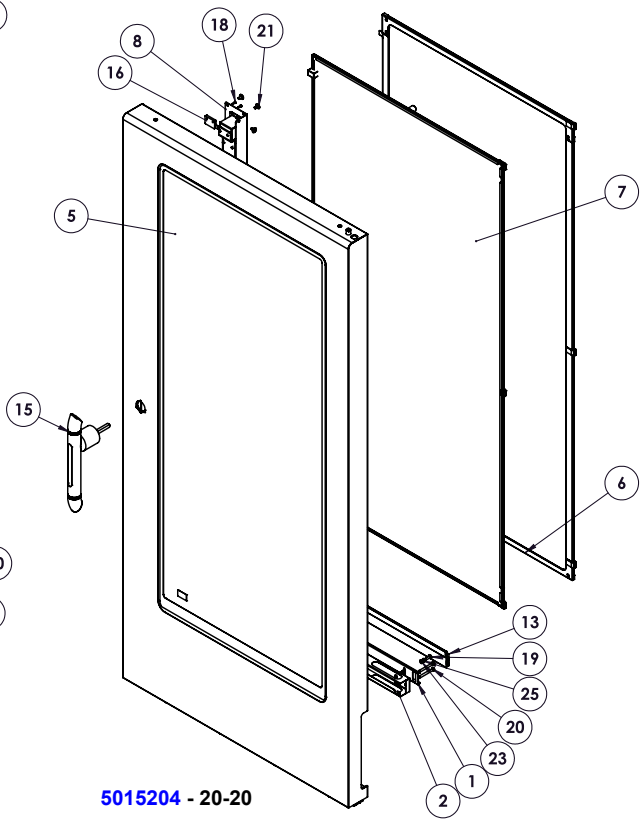
*NOT SHOWN

PARTS INFORMATION

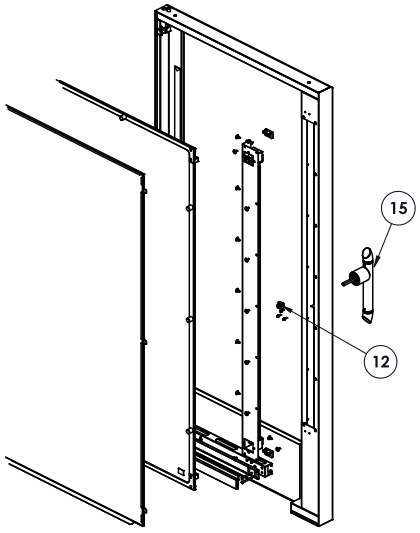
DOOR ASSEMBLY - RIGHT HINGED



5015491 - 20-10



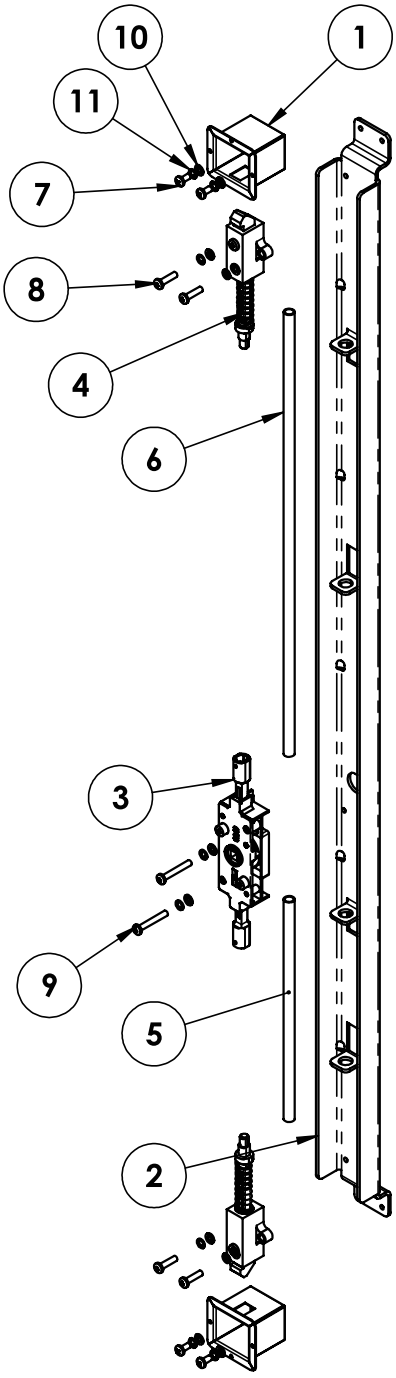
5015204 - 20-20



Item	Part	Description	Qty.
1	1014883	SWEEP GASKET HOLDER GEN-2	1
2	1014884	SWEEP GASKET MOUNTING BRACKET, 20-20	1
3	1014912	SWEEP GASKET MOUNTING BRACKET, 20-10	1
4	1014913	SWEEP GASKET HOLDER GEN-2	1
5	5015203	OUTER DOOR ASSEMBLY, 20-20	1
6	5015232	INNER DOOR GLASS ASSB, 20-20	1
7	5015235	MIDDLE DOOR GLASS ASSB, 20-20	1
8	5015258	DOOR HANDLE HOUSING ASSB	1
9	5015412	INNER DOOR GLASS ASSB, 20-10	1
10	5015415	MIDDLE DOOR GLASS ASSB, 20-10	1
11	5015418	OUTER DOOR ASSEMBLY, 20-10	1
12	CR-34967	CONNECTOR-2 CONDUCTOR	2
13	GS-36148	DOOR SWEEP GASKET GEN-2	1
14	GS-36149	DOOR SWEEP GASKET GEN-2	1
15	HD-35325	ROLL-IN COMBI DOOR HANDLE	1
16	LT-36064	LATCH, INNER GLASS LOCKING	2
17	NU-23909	NUT, HEX INSERT M5	3
18	SC-23102	SCREW, M3X0.5X10mm FLAT	4
19	SC-27109	SCREW, M5 X 16 TRUSS HEAD	3
20	SC-35259	SCREW, M5X0.8X50mm FLAT	4
21	SC-36350	SCREW, M5X.8X10mm BTN FLG	16
22	SC-36662	SCREW, M4X.7 X 12mm SCH HEX SCH	3
23	WS-22295	WASHER, FLAT M5 S/S	3
24	WS-22300	WASHER, M4 SPLIT LOCK	3
25	WS-22301	WASHER, M5 SPLIT LOCK	3
	*CV-35741	LIGHT COVER	4
	*LI-35742	LED LIGHT BAR	4
	*GS-35237	GASKET, COMBI DOOR, 20-10	1
	*GS-35240	GASKET, COMBI DOOR, 20-20	1

*NOT SHOWN

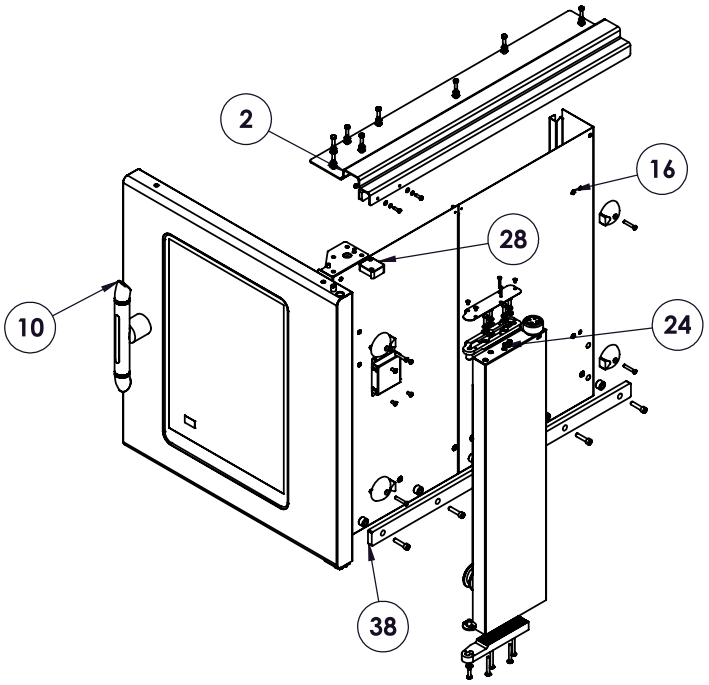
DOOR HANDLE HOUSING - 20-10, 20-20



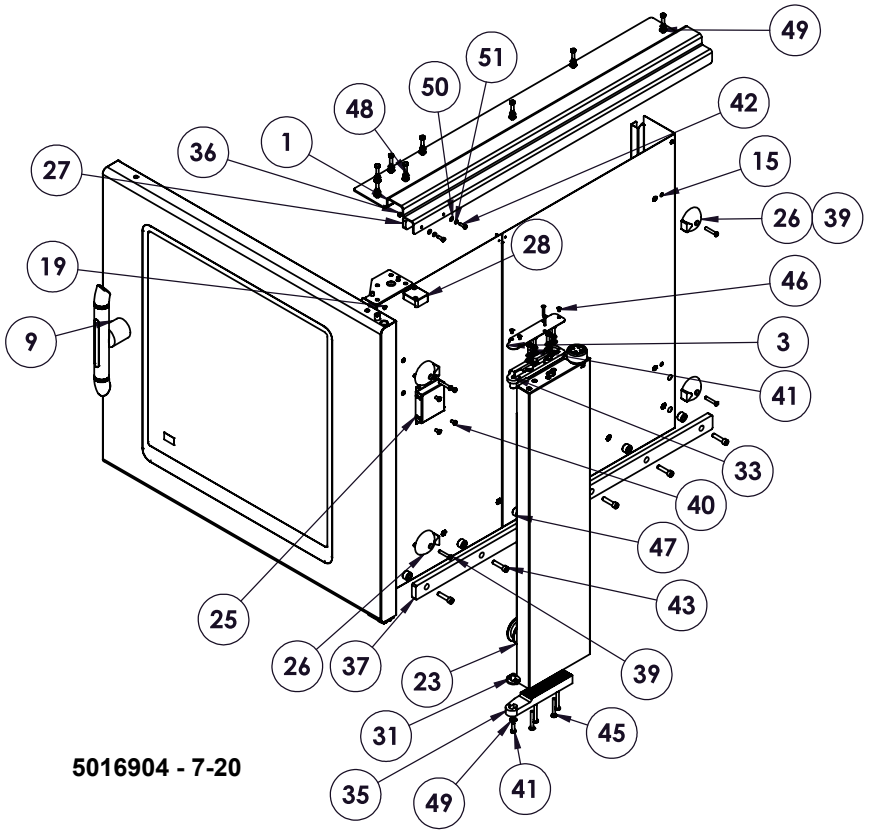
Item	Part	Description	Qty.
1	–	END CAP, HANDLE LATCH	2
2	–	STIFFENER, ROLL-IN DOOR LOCKING	1
3	BP-35327	BOLT CLOSURE, RH DRIVE UNIT	1
4	BP-35328	BOLT CLOSURE, LOCKING BAR	2
5	RD-35945	ROD, RAHRBACH, 239mm	1
6	RD-35946	ROD, RAHRBACK, 481mm	1
7	SC-22766	SCREW, M5X0.8X10mm PAN	4
8	SC-22779	SCREW, M5X0.8X20mm PAN	4
9	SC-29735	SCREW, M5x0.8x35mm PAN	2
10	WS-22295	WASHER, FLAT M5 S/S	10
11	WS-22301	WASHER, M5 SPLIT LOCK	10

PARTS INFORMATION

RECESSED DOOR ASSEMBLY

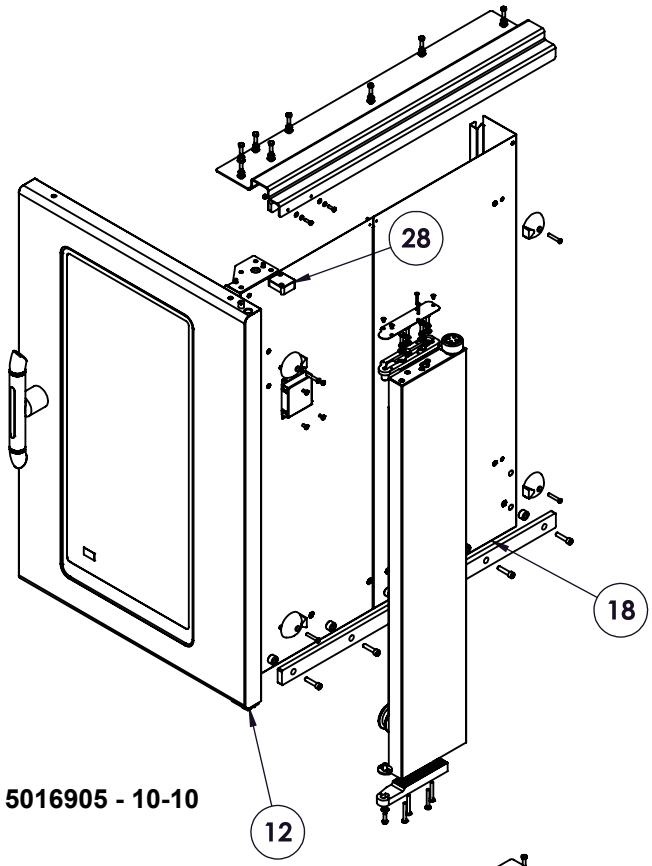


5016903 - 6-10

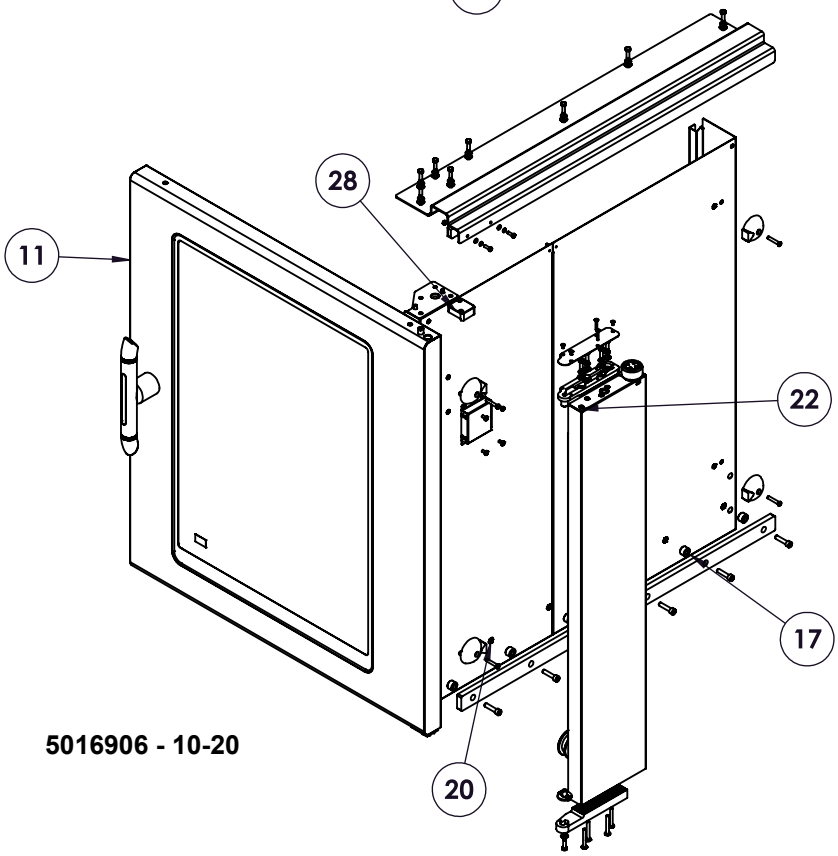


5016904 - 7-20

RECESSED DOOR ASSEMBLY



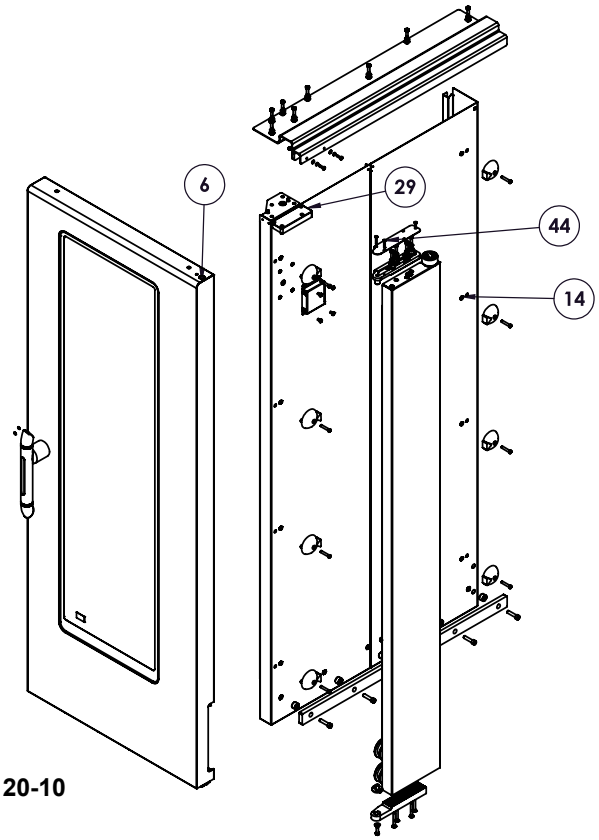
5016905 - 10-10



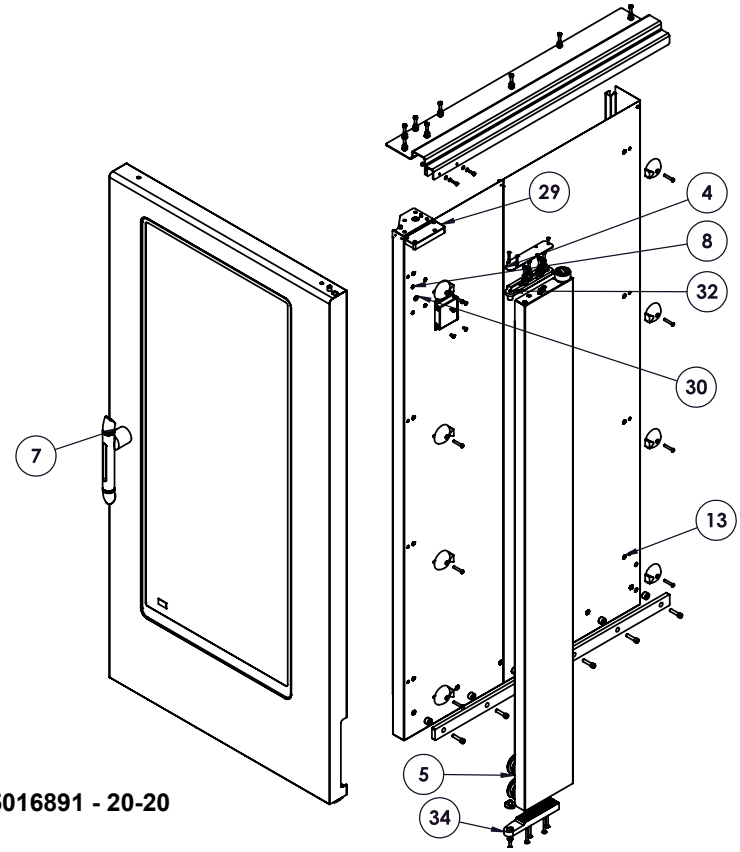
5016906 - 10-20

PARTS INFORMATION

RECESSED DOOR ASSEMBLY



5016892 - 20-10



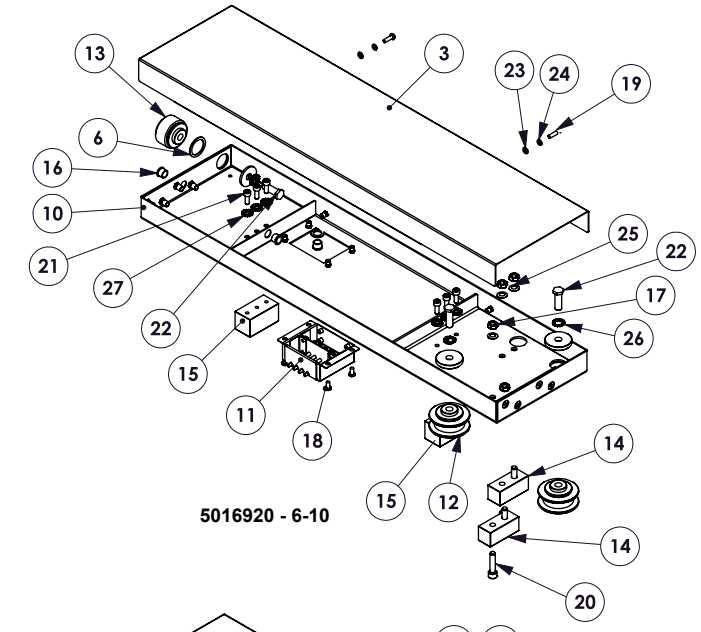
5016891 - 20-20

RECESSED DOOR ASSEMBLY - PARTS LIST

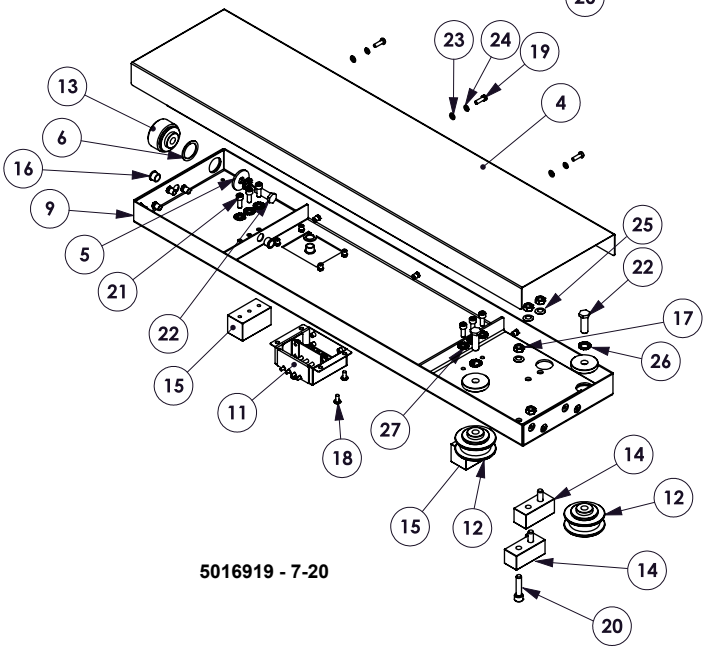
Item	Part	Description	Qty.
1	1013987	UPPER GUIDE BRACKET, REC'D DOOR, 20-20, 7-20, 10-20	1
2	1015231	UPPER GUIDE BRACKET, REC'D DOOR, 20-10, 6-10, 10-10	1
3	1015232	COVER PLATE, REC'D DOOR HINGE, 6-10, 10-10, 7-20, 10-20	1
4	1015233	COVER PLATE, REC'D DOOR HINGE, 20-10, 20-20	1
5	5015835	REC'D DOOR TROLLEY ASSY, 20-10, 20-20	1
6	5015854	RECESSED DOOR ASSB, 20-10	1
7	5015855	RECESSED DOOR ASSB, 20-10	1
8	5015868	PANEL, RH, OUTER, CASING, WELDMENT, FLOOR	1
9	5016881	RECESSED DOOR ASSB, 6-10 (7-20?)	1
10	5016882	RECESSED DOOR ASSB, 6-10	1
11	5016883	RECESSED DOOR ASSB, 10-20	1
12	5016884	RECESSED DOOR ASSB, 10-10	1
13	5016894	PANEL, REAR, RH, SPOT, 20-20	1
14	5016895	PANEL, REAR, RH, SPOT, 20-10	1
15	5016896	PANEL, REAR, RH, SPOT, 7-20	1
16	5016897	PANEL, REAR, RH, SPOT, 6-10	1
17	5016898	PANEL, REAR, RH, SPOT, 10-20	1
18	5016899	PANEL, REAR, RH, SPOT, 10-10	1
19	5016900	PANEL, RH, OUTER, CASING, WELDMENT, 7-20	1
20	5016901	PANEL, RH, OUTER, CASING, WELDMENT, 10-10, 10-20	1
21	5016902	PANEL, RH, OUTER, CASING, WELDMENT, 6-10	1
22	5016918	REC'D DOOR TROLLEY ASSY, 10-10, 10-20	1
23	5016919	REC'D DOOR TROLLEY ASSY, 7-20	1
24	5016920	REC'D DOOR TROLLEY ASSY, 6-10	1
25	5016952	REC'D DOOR ELEC WIRING TARGET BOX ASSB	1
26	BK-27412	BLOCK, RECESSED DOOR, 20-10, 20-20	8
	BK-27412	BLOCK, RECESSED DOOR, 6-10, 10-10, 7-20, 10-20	4
27	BK-28571	CART GUIDE BLOCK	1
28	BK-36607	BLOCK, SPACER, REC'D DOOR, 6-10, 10-10, 7-20, 10-20	1
29	BK-36675	BLOCK, SPACER, REC'D DOOR, 20-10, 20-20	1
30	BU-3006	1/2" HOLE BUSHING	1
31	HG-25101	HINGE, LOWER, RATCHET	1
32	HG-36360	HINGE, TOP, REC'D DOOR, W/PIN, 20-10, 20-20	1
33	HG-36361	HINGE, TOP, REC'D DOOR, W/PIN, 6-10, 10-10, 7-20, 10-20	1
34	HG-36362	HINGE, LOWER, 20-10, 20-20	1
35	HG-36363	HINGE, LOWER, 6-10, 10-10, 7-20, 10-20	1
36	NU-22289	NUT, M5-0.8 HEX NUT	2
37	RA-35700	RAIL, BOTTOM, REC'D DOOR, 20-20, 7-20, 10-20	1
38	RA-36359	RAIL, BOTTOM, REC'D DOOR, 6-10, 10-10, 20-10	1
39	SC-22283	SCREW, M6 X 35mm LG, PH OVAL, 20-20, 20-10	8
	SC-22283	SCREW, M6 X 35mm LG, PH OVAL, 6-10, 10-10, 7-20, 10-20	4
40	SC-22766	SCREW, M5x0.8X10mm PAN	4
41	SC-22924	SCREW, M6x1.0x20mm HEX	13
42	SC-22926	HHCS, M5 X 16, NO MARKINGS	2
43	SC-24388	SCREW, SHC M8 X 35 S/S	6
44	SC-28263	SCREW, M4x0.7X25mm FLAT, 20-20, 20-10	4
	SC-28263	SCREW, M4x0.7X25mm FLAT, 6-10, 10-10, 7-20, 10-20	2
45	SC-28430	SCREW, M6x1.0X45mm PAN	4
46	SC-36226	SCREW, M4x0.7X8mm FLAT, 20-20, 20-10	1
	SC-36226	SCREW, M4x0.7X8mm FLAT, 6-10, 10-10, 7-20, 10-20	3
47	SP-28440	RAIL SPACER	6
48	WS-2294	LOCK WASHER 1/4"	12
49	WS-22094	WASHER, 1/4", FLAT	13
50	WS-22295	WASHER, M5,	2
51	WS-22301	WASHER, M5 SPLIT LOCK	2

PARTS INFORMATION

RECESSED DOOR TROLLEY ASSEMBLY



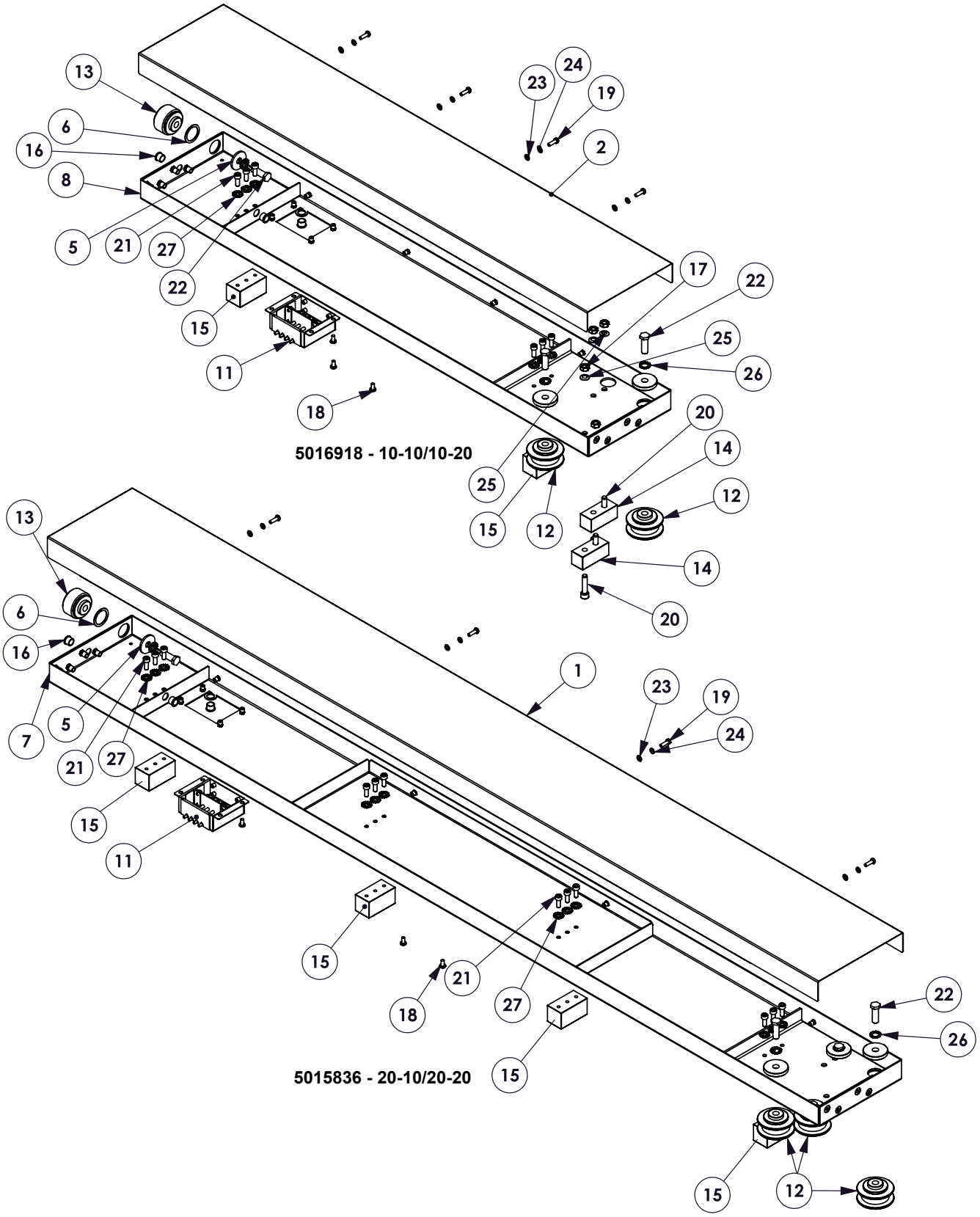
5016920 - 6-10



5016919 - 7-20

Item	Part	Description	Qty.
1	1013991	COVER, DOOR TROLLEY, RD, 20-10, 20-20	1
2	1015223	COVER, DOOR TROLLEY, RD, 10-10, 20-10	1
3	1015224	COVER, DOOR TROLLEY, RD, 6-10	1
4	1015225	COVER, DOOR TROLLEY, RD, 7-20	1
5	1015268	REC'D DOOR ROLLER BEARING	1
6	1015319	SPACER, REC'D DOOR, TROLLEY COVER	1
7	5015836	DOOR TROLLEY SPOT, REC'D DOOR, 20-10, 20-20	1
8	5016915	DOOR TROLLEY SPOT, REC'D DOOR, 10-10, 20-10	1
9	5016916	DOOR TROLLEY SPOT, REC'D DOOR, 7-20	1
10	5016917	DOOR TROLLEY SPOT, REC'D DOOR, 6-10	1
11	5016951	REC'D DOOR ELEC WIRING TARGET BOX ASSB	1
12	BG-28037	BEARING, 20-10, 20-20	4
	BG-28037	BEARING, 10-10, 20-10, 6-10, 7-20	2
13	BG-35899	BEARING, TROLLEY GUIDE BEARING, 10-10, 20-10, 6-10, 7-20	1
14	BK-28043	BLOCK, GUIDE RAIL, 10-10, 20-10, 6-10, 7-20	2
15	BK-28084	BLOCK, STOP, RECESSED DOOR, 20-10, 20-20	4
	BK-28084	BLOCK, STOP, RECESSED DOOR, 10-10, 20-10, 6-10, 7-20	2
16	BU-3006	1/2" HOLE BUSHING	3
17	NU-22292	HEX NUT, M8-1.25, 10-10, 20-10, 6-10, 7-20	4
18	SC-22766	SCREW, M5x0.8X10mm PAN	4
19	SC-22926	HHCS, M5 X 16, 20-10, 20-20, 10-10, 10-20	4
	SC-22926	HHCS, M5 X 16, 7-20	3
	SC-22926	HHCS, M5 X 16, 6-10	2
20	SC-24388	SCREW, SHC M8 X 35 S/S, 10-10, 20-10, 6-10, 7-20	4
21	SC-24390	SCREW, SHC M6 X 16 S/S, 20-10, 20-20	12
	SC-24390	SCREW, SHC M6 X 16 S/S, 10-10, 20-10, 6-10, 7-20	6
22	SC-28082	SCREW, M10 X 30 HEX S/S HD, 20-10, 20-20	5
	SC-28082	SCREW, M10 X 30 HEX S/S HD, 10-10, 20-10, 6-10, 7-20	3
23	WS-22295	WASHER, FLAT M5 S/S, 20-10, 20-20, 10-10, 10-20	4
	WS-22295	WASHER, FLAT M5 S/S, 7-20	3
	WS-22295	WASHER, FLAT M5 S/S, 6-10	2
24	WS-22301	WASHER, M5 SPLIT LOCK S/S, 20-10, 20-20, 10-10, 10-20	4
	WS-22301	WASHER, M5 SPLIT LOCK S/S, 7-20	3
	WS-22301	WASHER, M5 SPLIT LOCK S/S, 6-10	2
25	WS-24396	WASHER, M8 S/S SERRATED BEVEL, 10-10, 20-10, 6-10, 7-20	4
26	WS-28083	WASHER, M10 SERRATED LOCK, 20-10, 20-20	5
	WS-28083	WASHER, M10 SERRATED LOCK, 10-10, 20-10, 6-10, 7-20	3
27	WS-28085	WASHER, M6 SERRATED LOCK, 20-10, 20-20	12
	WS-28085	WASHER, M6 SERRATED LOCK 10-10, 20-10, 6-10, 7-20	6

RECESSED DOOR TROLLEY ASSEMBLY



PLUMBING SERVICE PARTS

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10-10EB Plumbing View. G-12
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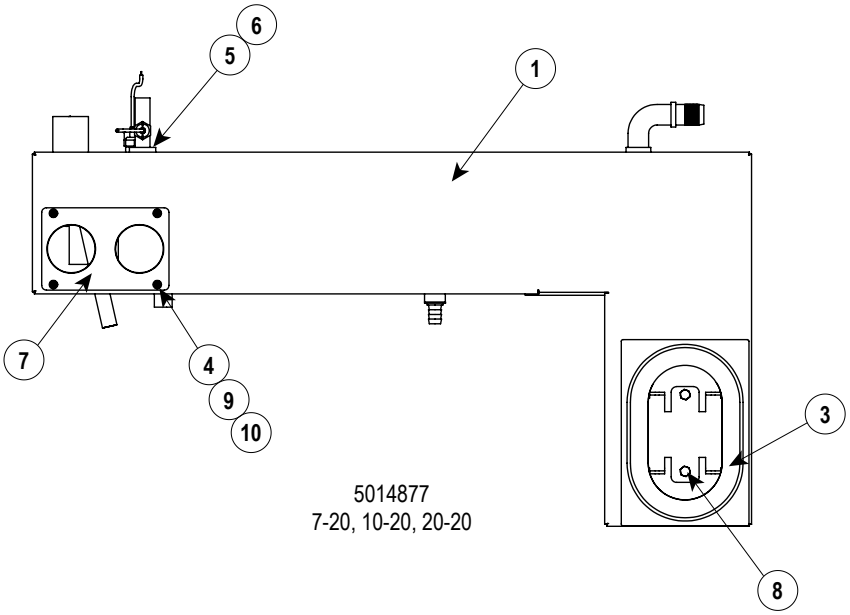
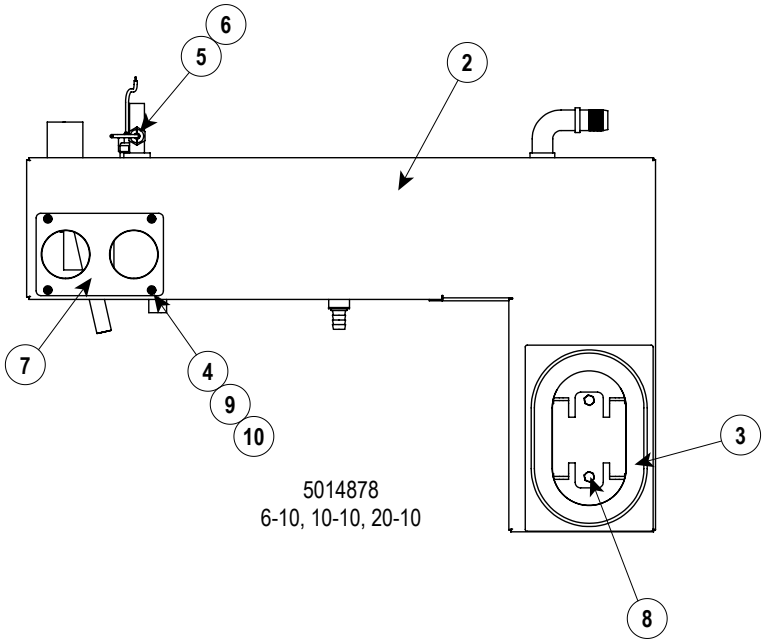
PARTS INFORMATION

CTC/CTP CONDENSATION TANK



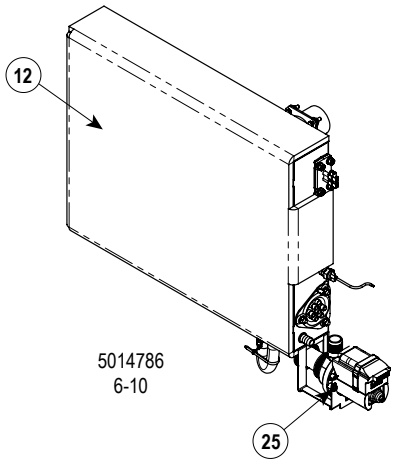
5014877
7-20, 10-20, 20-20



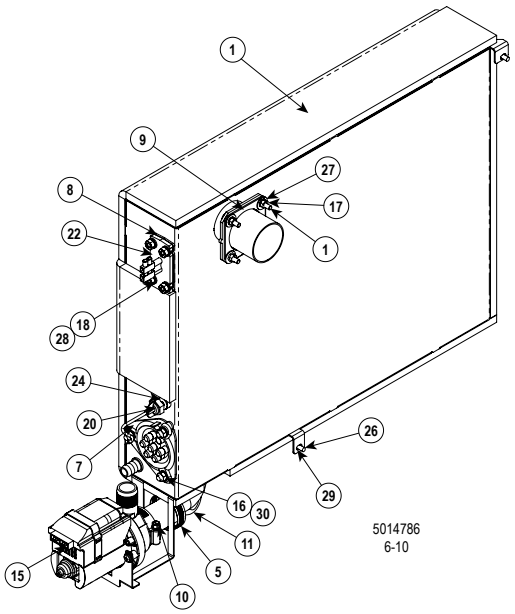
5014878
6-10, 10-10, 20-10

Item	Part	Description	5014877 Qty.	5014878 Qty.
1	5017402	TANK, CONDENSER	1	—
2	5017403	TANK, CONDENSER	—	1
3	GS-36193	GASKET, SILICONE, CONDENSATE TANK	1	1
4	NU-22286	M4-0.7 HEX NUT 18-8	4	4
5	PR-33724	COMBI, THERMOCOUPLE	2	2
6	SA-25061	T-COUPLE PROBE	2	2
7	SA-35136	SEAL, GASKET, CONDENSATION TANK	1	1
8	SC-22284	SCREW, M6 x 1.0 x 16mm HEX	2	2
9	WS-22294	WASHER, FLAT M4 18-8 S/S	4	4
10	WS-22300	WASHER, SPLIT LOCK	4	4

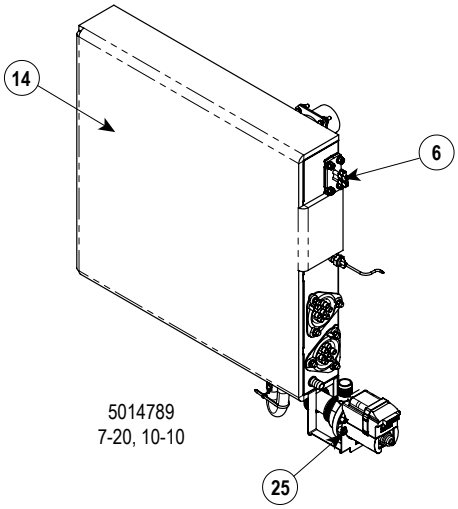
STEAM GENERATOR KIT



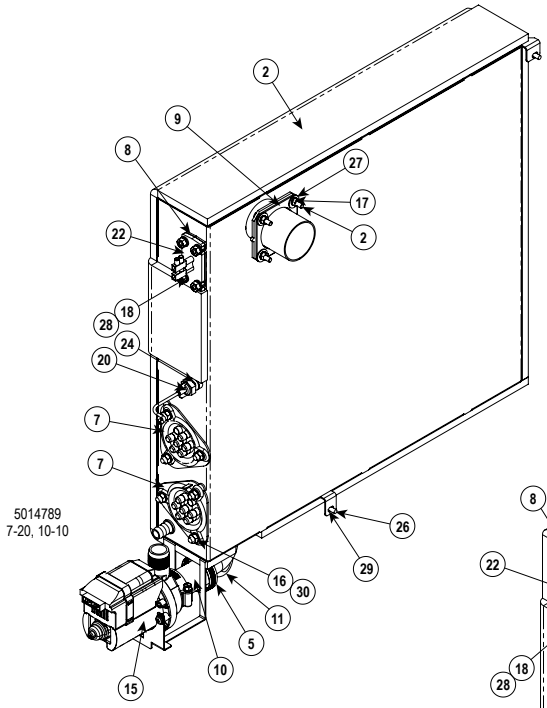
5014786
6-10



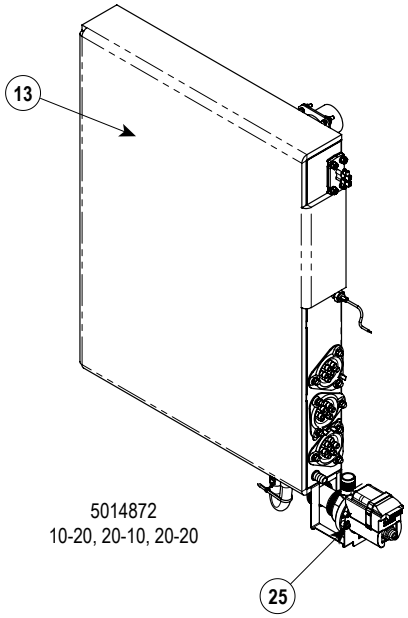
5014786
6-10



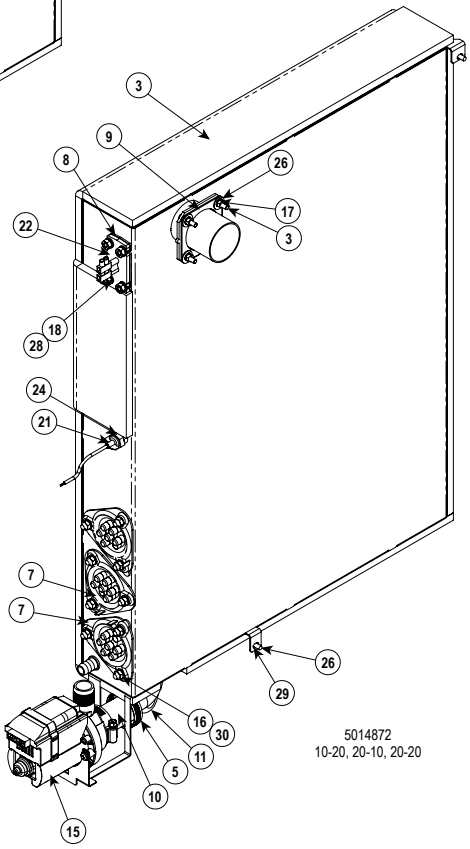
5014789
7-20, 10-10



5014789
7-20, 10-10



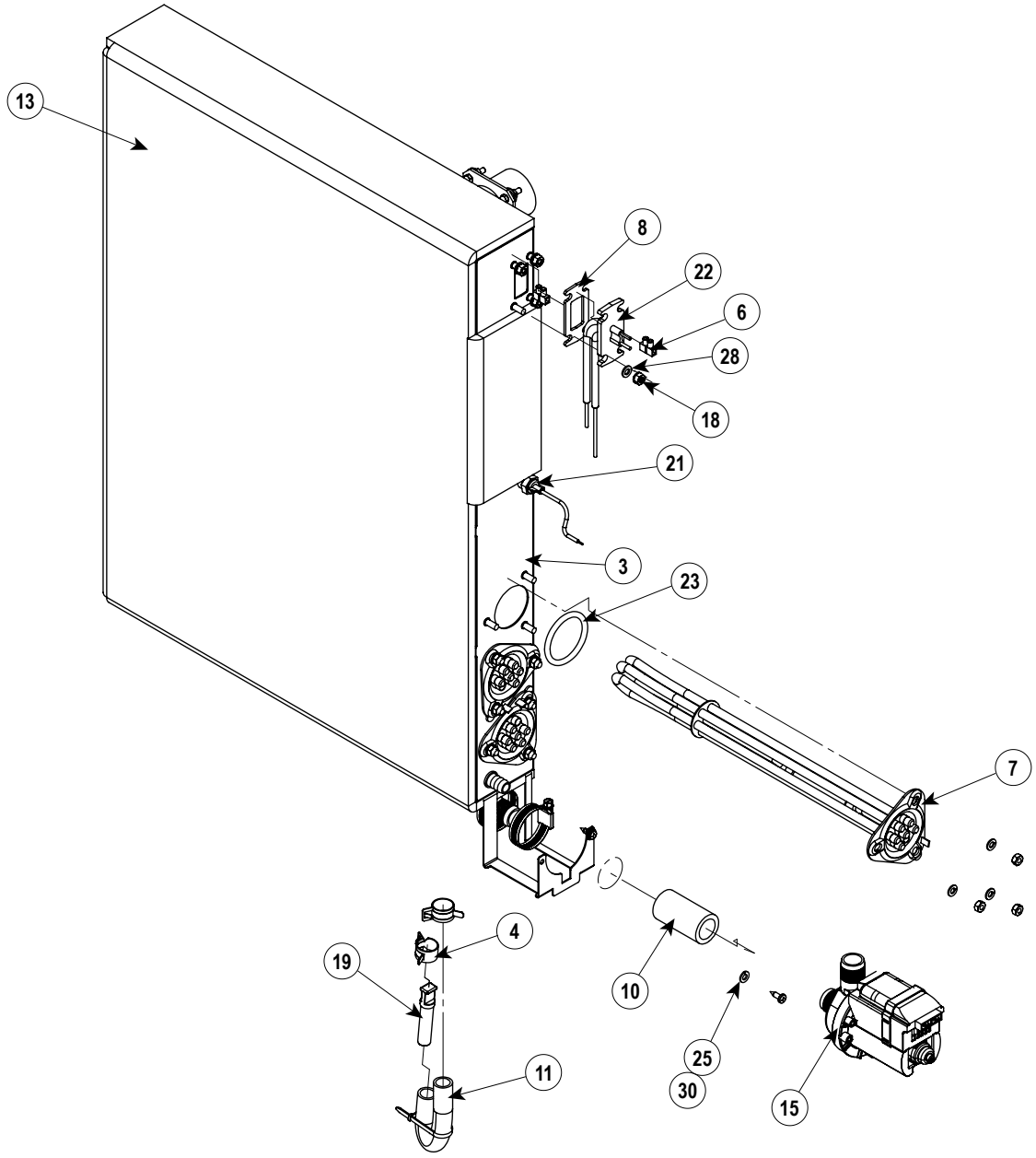
5014872
10-20, 20-10, 20-20



5014872
10-20, 20-10, 20-20

PARTS INFORMATION

STEAM GENERATOR, EXPLODED VIEW

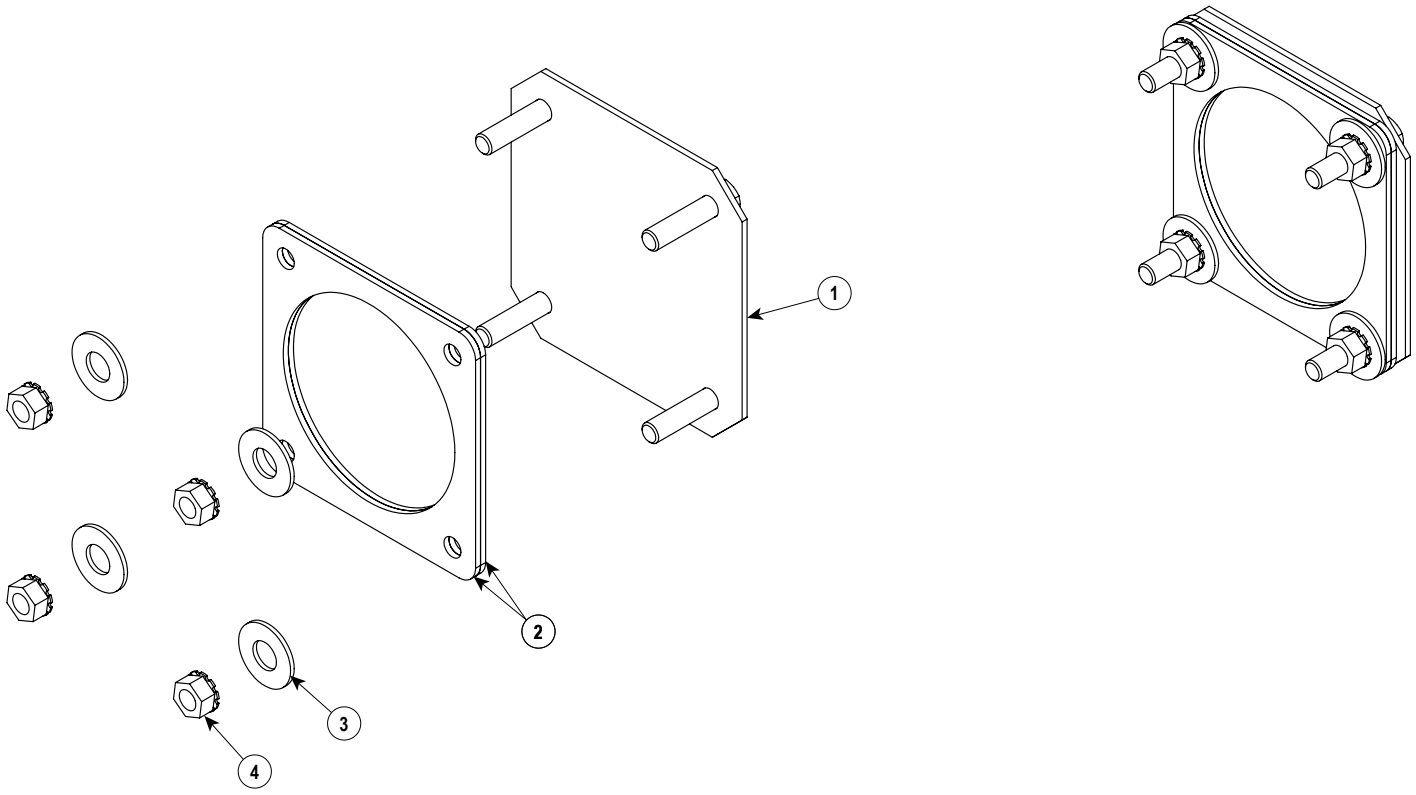


STEAM GENERATOR

			SERVICE KITS		
			5014786R	5014789R	5014872R
Item	Part	Description	Qty.	Qty.	Qty.
1	5014787	STEAM GEN TANK, FINAL WELDMENT	1	—	—
2	5014790	STEAM GEN TANK, FINAL WELDMENT	—	1	—
3	5014873	STEAM GEN TANK, FINAL WELDMENT	—	—	1
8	GS-29243	GASKET, WATER LEVEL, PROBE	1	1	1
9	GS-29592	GASKET, EXHAUST TUBE, 2" (50mm)	1	1	1
12	IN-35226	INSULATION, STEAM GENERATOR	1	—	—
13	IN-35317	INSULATION, STEAM GENERATOR	—	—	1
14	IN-35383	INSULATION, STEAM GENERATOR	—	1	—
16	NU-22291	M6-1.0 x HEX S/S NUT 18-8	3	6	9
17	NU-27851	NUT-HEX 5mm WITH STAR WASHER	4	4	4
23	SA-23932	O-RING, 14mm x 2.5mm VITON	1	2	3
24	SA-25061	T-COUPLE PROBE, ML COMBI	1	1	1
28	WS-22297	WASHER, FLAT	4	4	4
30	WS-22302	WASHER, SPLIT LOCK	5	8	11
		PARTS NOT INCLUDED IN SERVICE KIT:	1	1	1
4	CM-28145	CLAMP, HOSE, 0.8" (20mm)	2	2	2
5	CM-36569	CLAMP, WORM GEAR	2	2	2
6	CR-3851	—			
7	EL-33411	CT, HEATER, ML, COMBI IMMERSION, 9kW, FLANGED	1	2	3
10	HO-27892	HOSE, 0.875" ID, BOILER PUMP	1	1	1
11	HO-28790	DRAIN TUBE, 6" (152mm)	1	1	1
18	NU-35844	NUT, KEPS, M6 x 1.0, SS	4	4	4
19	PG-35252	PLUG, 1/2" (13mm) DRAIN TUBE, PUSH-IN	1	1	1
20	PR-33724	COMBI, THERMOCOUPLE	1	1	—
21	PR-33751	COMBI, THERMOCOUPLE	—	—	1
22	PR-34902	PROBE LEVEL'S OF WATER	1	1	1
25	SC-22307	SCREW M4.8 x 16mm PHIL PAN HEAD	2	2	2
26	SC-22766	SCREW,M5 x 0.8 x 10mm PAN	2	2	2
27	WS-22094	WASHER, 1/4", FLAT, 5/8 OD 18-8 SS	4	4	4
29	WS-22301	WASHER, M5 SPLIT LOCK	2	2	2

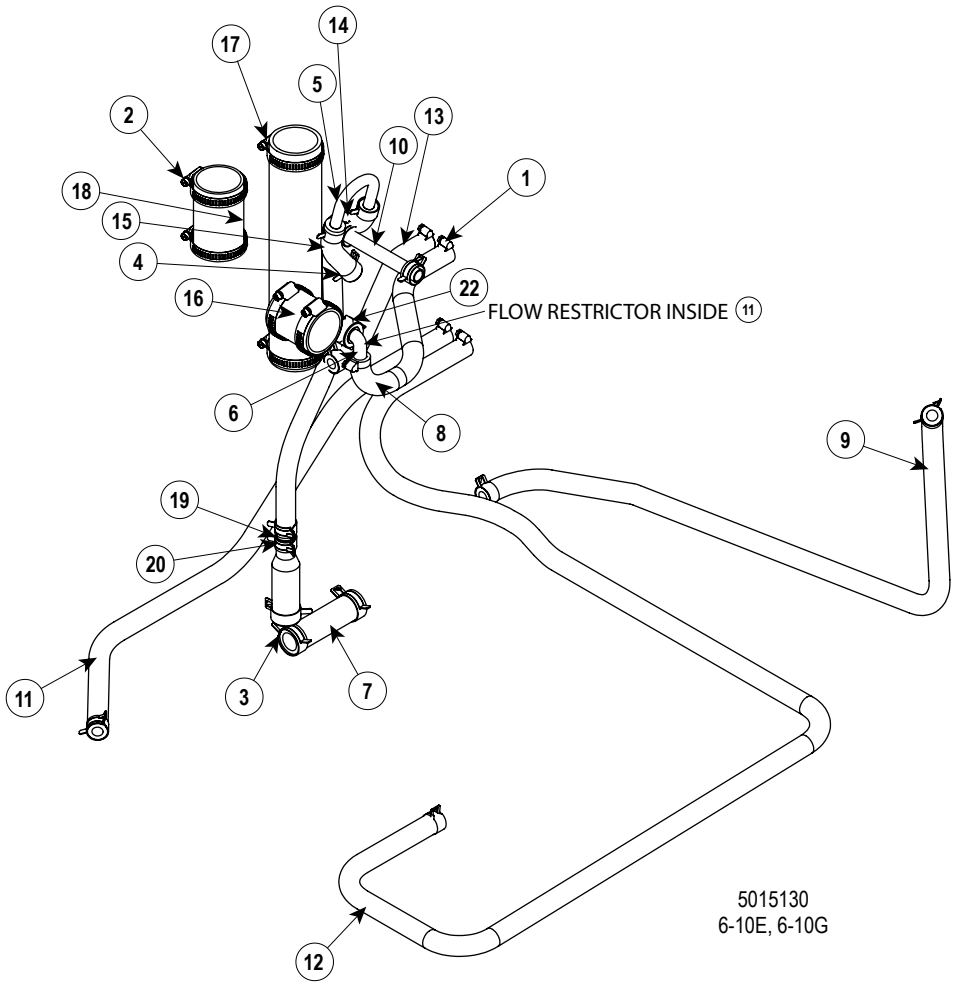
PARTS INFORMATION

COVER ASSEMBLY



Item	Part	Description	5015331 Qty.
1	5015180	PLATE, REAR COVER	1
2	GS-29592	GASKET, EXHAUST TUBE, 50mm	2
3	WS-22094	WASHER, 1/4", FLAT, 5/8" OD 18-8 SS	4
4	NU-27851	NUT-HEX 5mm WITH STAR WASHER	4

6-10 ELECTRIC/GAS PLUMBING

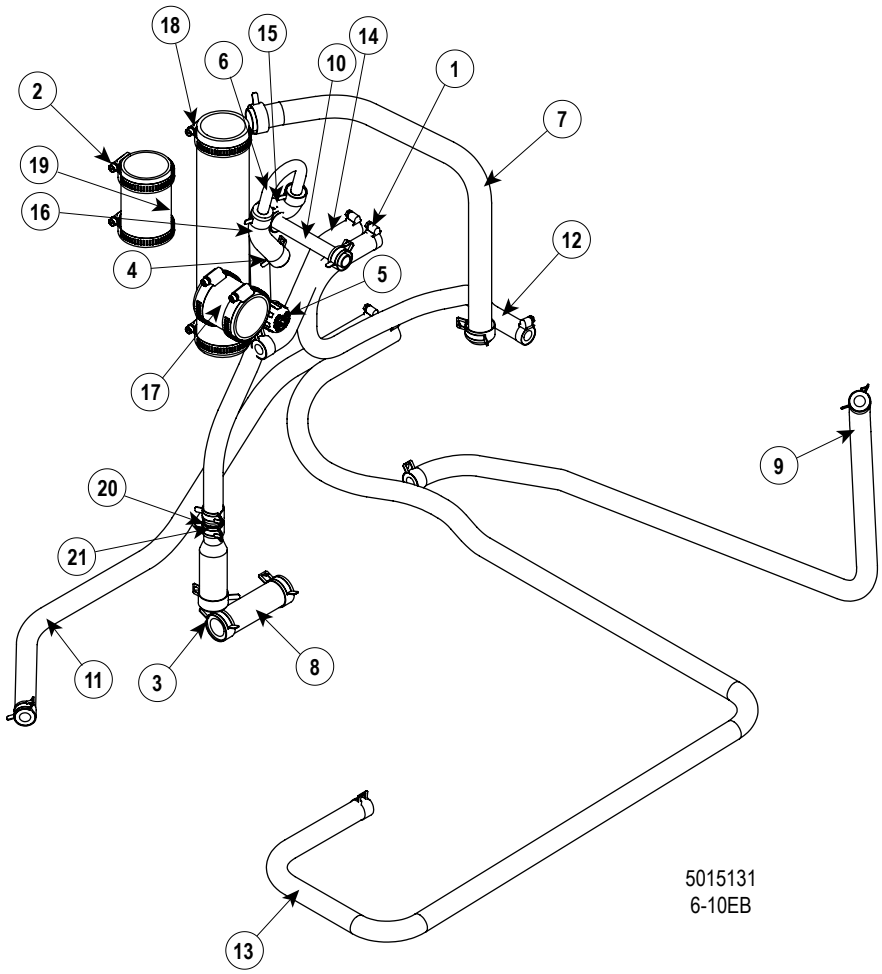


Item	Part	Description	Qty.
1	CL-22232	WORM GEAR, 1/2"	5
2	CL-22234	CLAMP, WORM GEAR, 40-60, HOSE	6
3	CM-29037	CLAMP, HOSE, 32mm	3
4	CM-29301	CLAMP, HOSE, 23mm	12
5	FT-36445	FITTING, SST, U-SHAPE 0.5" OD	1
6	HO-22116	FITTING, ELBOW, 90 DEG	1
7	HO-27892	HOSE, 0.875" ID, PUMP/COND, 4-1/2" (114mm)	1
8	HO-28790	HOSE, 0.5" ID, 12-5/8" (320mm)	1
9	HO-28790	HOSE, 0.5" ID, B5, 38" (970mm)	1
10	HO-28790	HOSE, 0.5" ID, INJ, 5" (127mm)	1
11	HO-28790	HOSE, 0.5" ID SHOWER REEL, 30" (760mm)	1

Item	Part	Description	Qty.
12	HO-28790	HOSE, 0.5" ID, Y2, 72" (1830mm)	1
13	HO-28790	HOSE, 0.5" ID, Y3, 10" (254mm)	1
14	HO-28790	HOSE, 0.5" ID, Y4, 20" (518mm)	1
15	HO-28790	HOSE, 0.5" ID, Y4-INJ, 3-11/16" (95mm)	1
16	HO-35321	HOSE, 2" ID, BROWN VENT HORIZ., 3" (76mm)	1
17	HO-35321	HOSE, 2" ID, COND. EXHAUST, 12" (305mm)	1
18	HO-35321	HOSE, 2" ID, UPPER BR. VENT, 3-5/8"(92mm)	2
19	PB-29289	REDUCER, 7/8" x 1/2"	1
20	PB-29489	COUPLER, 1/2" TO 1/2"	1
21	TI-3808	TIE, WIRE, 8" (140mm) NATURAL COLOR	4
22	VA-35143	FLOW REGULATOR, G 3/4	1

PARTS INFORMATION

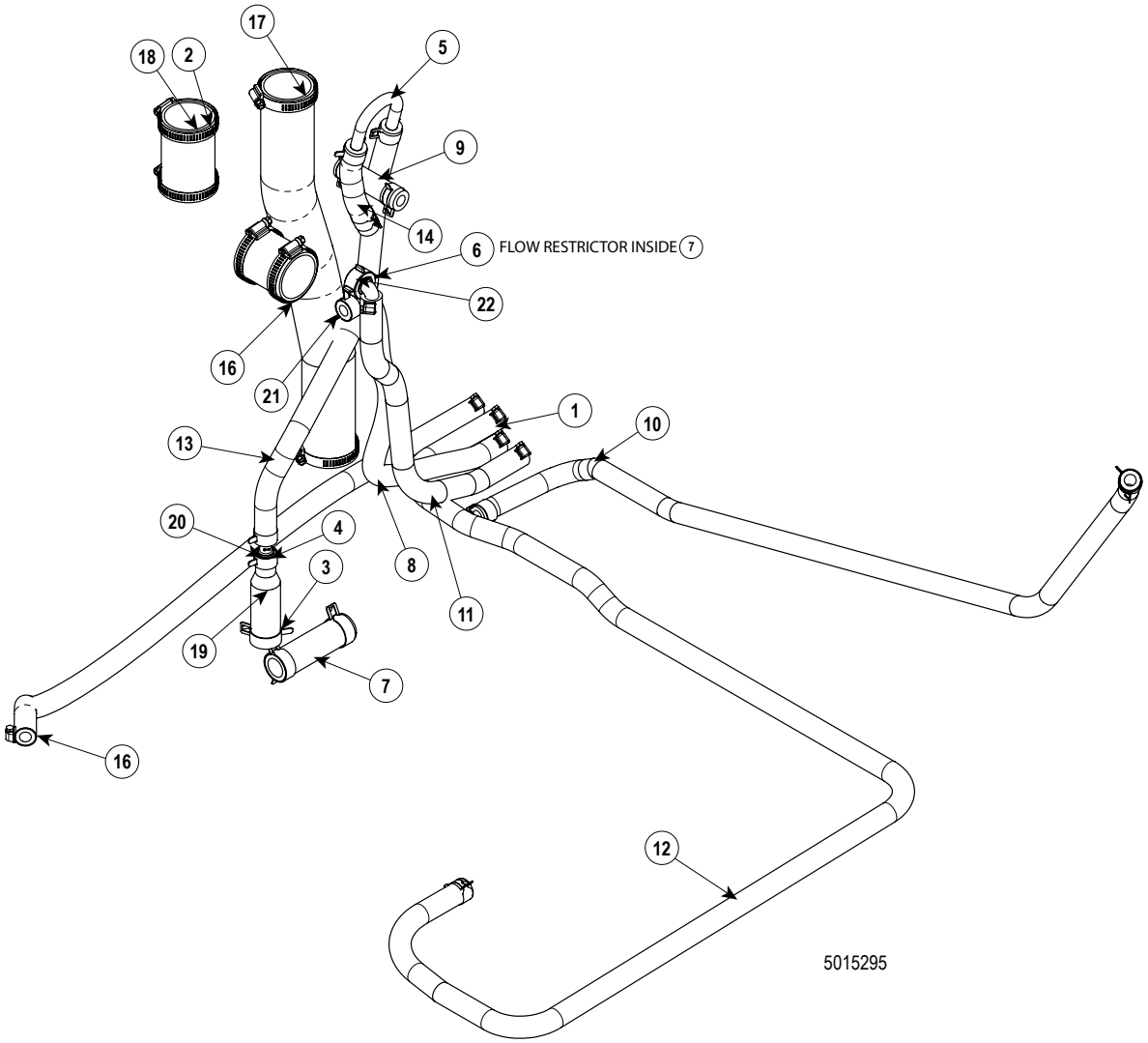
6-10 ELECTRIC WITH BOILER PLUMBING



Item	Part	Description	Qty.
1	CL-22232	WORM GEAR, 1/2"	5
2	CL-22234	CLAMP, WORM GEAR, 40-60, HOSE	6
3	CM-29037	CLAMP, HOSE, 32mm	5
4	CM-29301	CLAMP, HOSE, 23mm	12
5	CP-35253	G 3/4-14 BSP CAP	1
6	FT-36445	FITTING, SST, U-SHAPE 0.5" OD	1
7	HO-27892	HOSE, 0.875" ID, BOILER PUMP, 22" (550mm)	1
8	HO-27892	HOSE, 0.875" ID, PUMP/COND, 4-1/2" (114mm)	1
9	HO-28790	HOSE, 0.5" ID, B5, 38" (970mm)	1
10	HO-28790	HOSE, 0.5" ID, INJ, 5" (127mm)	1
11	HO-28790	HOSE, 0.5" ID SHOWER REEL, 30" (760mm)	1

Item	Part	Description	Qty.
12	HO-28790	HOSE, 0.5" ID, Y1 BOILER, 20" (505mm)	1
13	HO-28790	HOSE, 0.5" ID, Y2, 72" (1830mm)	1
14	HO-28790	HOSE, 0.5" ID, Y3, 10" (252mm)	1
15	HO-28790	HOSE, 0.5" ID, Y4, 20" (518mm)	1
16	HO-28790	HOSE, 0.5" ID, Y4-INJ, 3-11/16" (95mm)	1
17	HO-35321	HOSE, 2" ID, BROWN VENT HORIZ., 3" (76mm)	1
18	HO-35321	HOSE, 2" ID, COND. EXHAUST, 12" (305mm)	1
19	HO-35321	HOSE, 2" ID, UPPER BR. VENT, 3-5/8" (92mm)	2
20	PB-29289	REDUCER, 7/8" x 1/2"	1
21	PB-29489	COUPLER, 1/2" TO 1/2"	1
22	TI-3808	TIE, WIRE, 8" (140mm) NATURAL COLOR	4

7-20 ELECTRIC/GAS PLUMBING

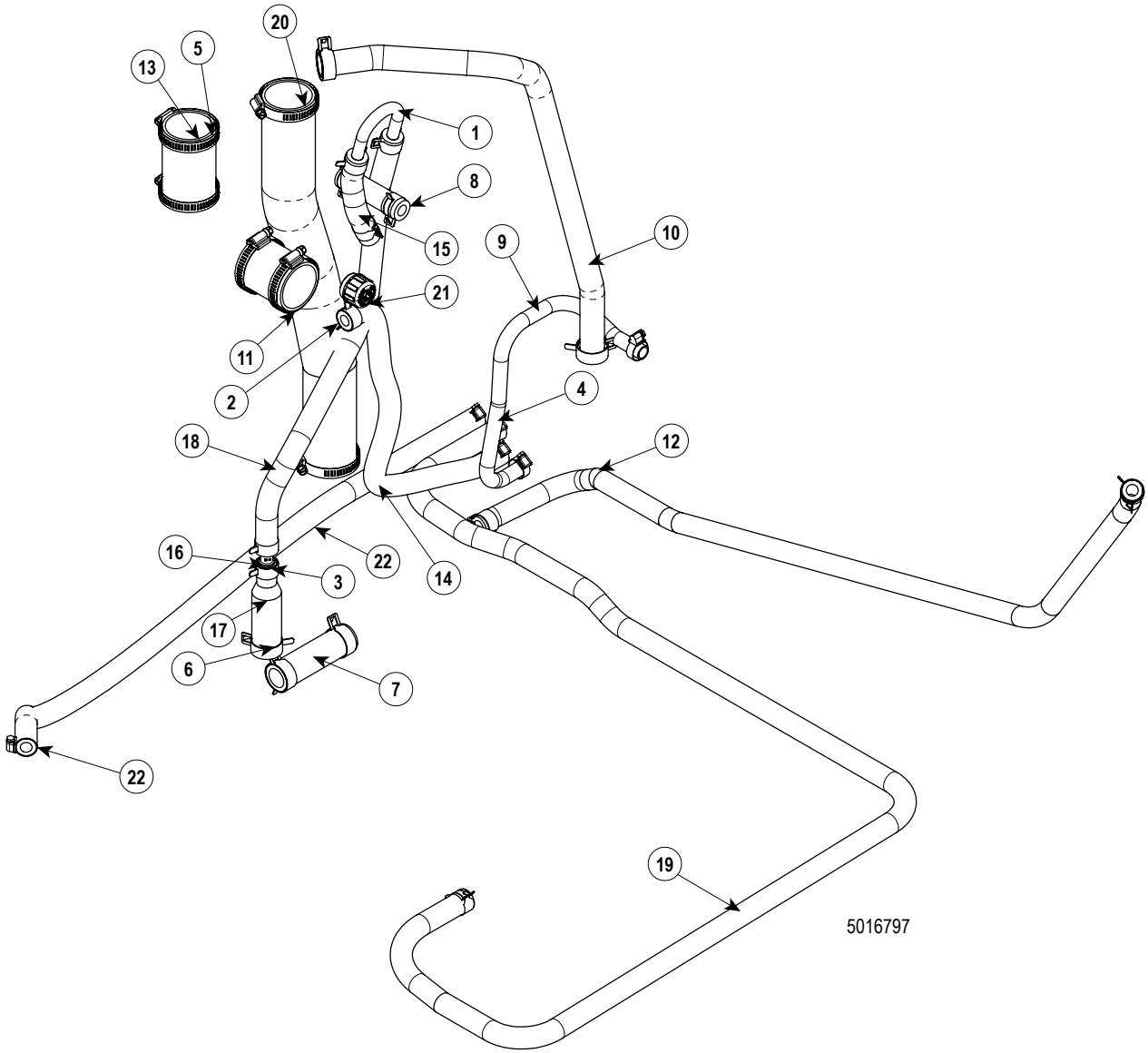


Item	Part	Description	Qty.
1	CL-22232	WORM GEAR, 1/2"	6
2	CL-22234	CLAMP, WORM GEAR, 40-60, HOSE	6
3	CM-29037	CLAMP, HOSE, 32mm	3
4	CM-29301	CLAMP, HOSE, 23mm	11
5	FT-36445	FITTING, SST, U-SHAPE 0.5" OD	1
6	HO-22116	FITTING, ELBOW, 90 DEG	1
7	HO-27892	HOSE, 0.875" ID, PUMP/COND, 4-1/2" (114mm)	1
8	HO-28790	HOSE, 0.5" ID Y3, 19" (485mm)	1
9	HO-28790	HOSE, 0.5" ID, INJECTION, 3-1/2" (90mm)	1
10	HO-28790	HOSE, 0.5" ID, B5, 45-11/16" (1160mm)	1
11	HO-28790	HOSE, 0.5" ID, 20-1/2" (520mm)	1

Item	Part	Description	Qty.
12	HO-28790	HOSE, 0.5" ID, Y2, 72" (1830mm)	1
13	HO-28790	HOSE, 0.5" ID, Y4, 66" (680mm)	1
14	HO-28790	HOSE, 0.5" ID, Y4-2, 8" (205mm)	1
15	HO-28790	HOSE, 0.5" ID, Y5, 31" (790mm)	1
16	HO-35321	HOSE, 2" ID, BROWN VENT HORIZ., 3" (76mm)	1
17	HO-35321	HOSE, 2" ID, COND. EXHAUST, 20" (505mm)	1
18	HO-35321	HOSE, 2" ID, UPPER BR. VENT, 3-5/8" (92mm)	1
19	PB-29289	REDUCER, 7/8" x 1/2"	1
20	PB-29489	COUPLER, 1/2" TO 1/2"	1
21	TI-3808	TIE, WIRE, 8" (140mm) NATURAL COLOR	4
22	VA-35143	FLOW REGULATOR, G3/4	1

PARTS INFORMATION

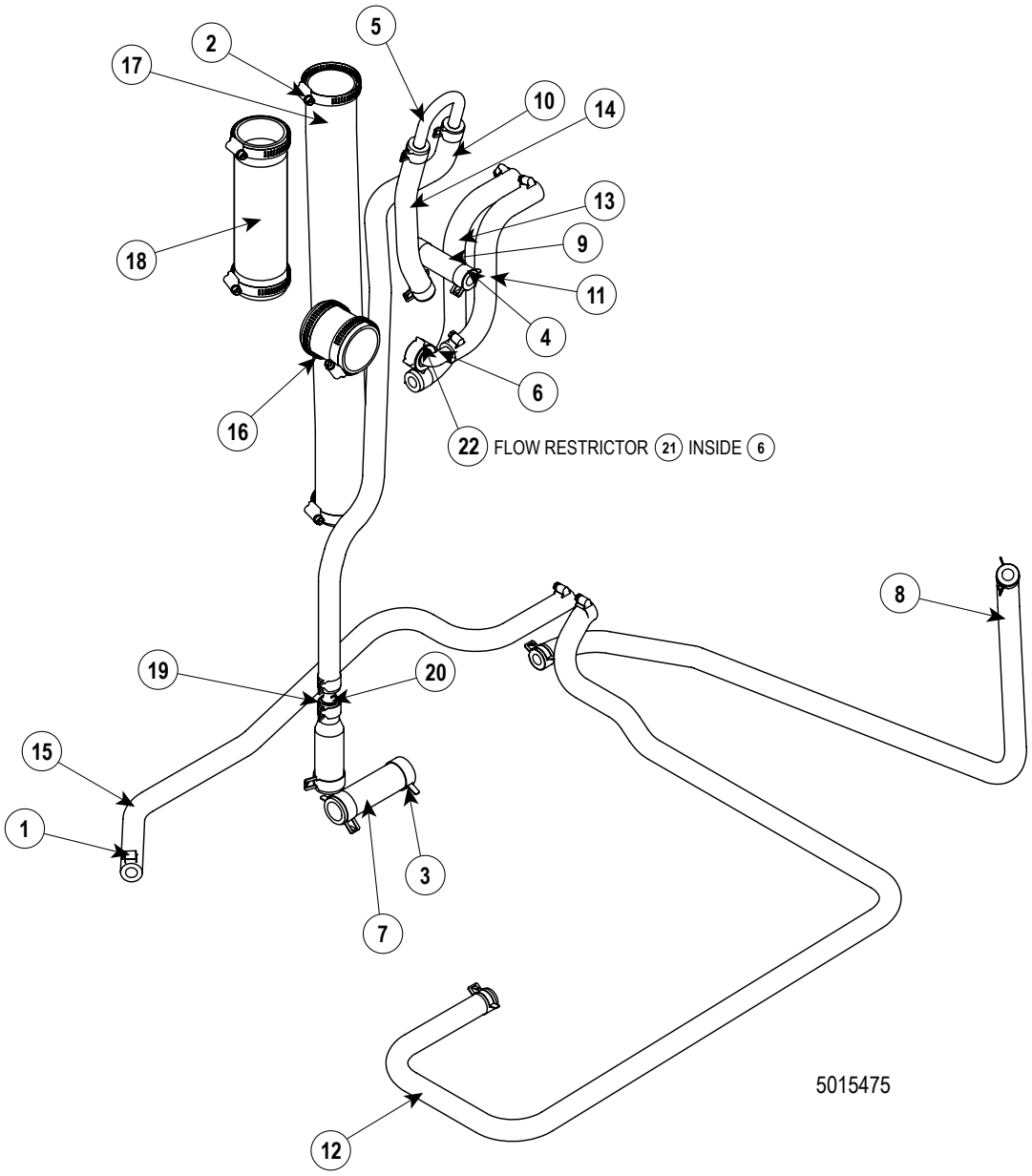
7-20 ELECTRIC WITH BOILER PLUMBING



Item	Part	Description	Qty.
1	CL-22232	WORM GEAR, 1/2"	6
2	CL-22234	CLAMP, WORM GEAR, 40-60, HOSE	6
3	CM-29037	CLAMP, HOSE, 32mm	5
4	CM-29301	CLAMP, HOSE, 23mm	11
5	CP-35253	G 3/4-14 BSP CAP	1
6	FT-36445	FITTING, SST, U-SHAPE 0.5" OD	1
7	HO-27892	HOSE, 0.875" ID, BOILER PUMP,26-5/8" (675mm)	1
8	HO-27892	HOSE, 0.875" ID, PUMP/COND, 4-1/2" (114mm)	1
9	HO-28790	HOSE, 0.5" ID, Y3, 19" (485mm)	1
10	HO-28790	HOSE, 0.5" ID, INJ, 3-1/2" (90mm)	1
11	HO-28790	HOSE, 0.5" ID B5, 45-11/16 (1160mm)	1

Item	Part	Description	Qty.
12	HO-28790	HOSE, 0.5" ID, Y2, 72" (1830mm)	1
13	HO-28790	HOSE, 0.5" ID, Y4, 27" (680mm)	1
14	HO-28790	HOSE, 0.5" ID, Y4-2, 8" (205mm)	1
15	HO-28790	HOSE, 0.5" ID, Y5, 29-1/2" (750mm)	1
16	HO-28790	HOSE, 0.5" ID, Y1 BOILER, 17" (435mm)	1
17	HO-35321	HOSE, 2" ID, BROWN VENT HORIZ., 3" (76mm)	1
18	HO-35321	HOSE, 2" ID, COND. EXHAUST, 20" (505mm)	1
19	HO-35321	HOSE, 2" ID, UPPER BR. VENT, 3-5/8" (92mm)	1
20	PB-29289	REDUCER, 7/8" x 1/2"	1
21	PB-29489	COUPLER, 1/2" TO 1/2"	1
22	TI-3808	TIE, WIRE, 8" (140mm) NATURAL COLOR	2

10-10 ELECTRIC/GAS PLUMBING

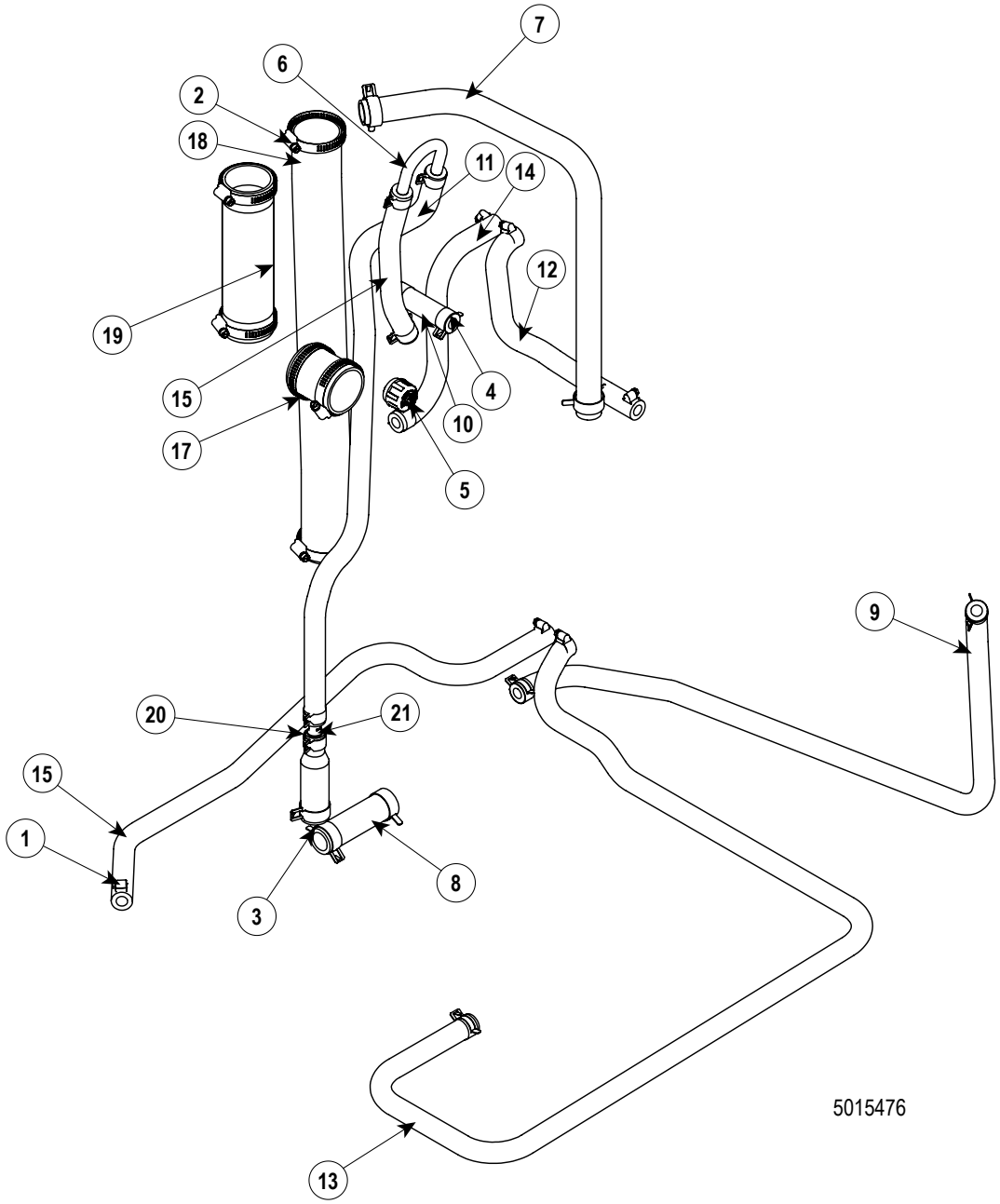


Item	Part	Description	Qty.
1	CL-22232	WORM GEAR, 1/2"	6
2	CL-22234	CLAMP, WORM GEAR, 40-60, HOSE	6
3	CM-29037	CLAMP, HOSE, 32mm	3
4	CM-29301	CLAMP, HOSE, 23mm	11
5	FT-36445	FITTING, SST, U-SHAPE 0.5" OD	1
6	HO-22116	FITTING, ELBOW, 90 DEG	1
7	HO-27892	HOSE, 0.875" ID, PUMP/COND, 4.5" (114mm)	1
8	HO-28790	HOSE, 0.5" ID B5, 38" (970mm)	1
9	HO-28790	HOSE, 0.5" ID, INJECTION, 3-1/2" (90mm)	1
10	HO-28790	HOSE, 0.5" ID, Y4, 30" (765mm)	1
11	HO-28790	HOSE, 0.5" ID Y1, 9-7/16" (240mm)	1

Item	Part	Description	Qty.
12	HO-28790	HOSE, 0.5" ID, Y2, 60" (1520mm)	1
13	HO-28790	HOSE, 0.5" ID, Y3, 12" (305mm)	1
14	HO-28790	HOSE, 0.5" ID, Y4-2, 8-1/2" (215mm)	1
15	HO-28790	HOSE, 0.5" ID, Y5, 30" (760mm)	1
16	HO-35321	HOSE, 2" ID, BROWN VENT HORIZ., 3" (76mm)	1
17	HO-35321	HOSE, 2" ID, COND. EXHAUST, 22" (560mm)	1
18	HO-35321	HOSE, 2" ID, VERTICAL VENT, 8" (203mm)	2
19	PB-29289	REDUCER, 7/8" x 1/2"	1
20	PB-29489	COUPLER, 1/2" TO 1/2"	1
21	TI-3807	TIE, WIRE, 4" (102mm) NATURAL COLOR	6
22	VA-35143	FLOW REGULATOR, G3/4	1

PARTS INFORMATION

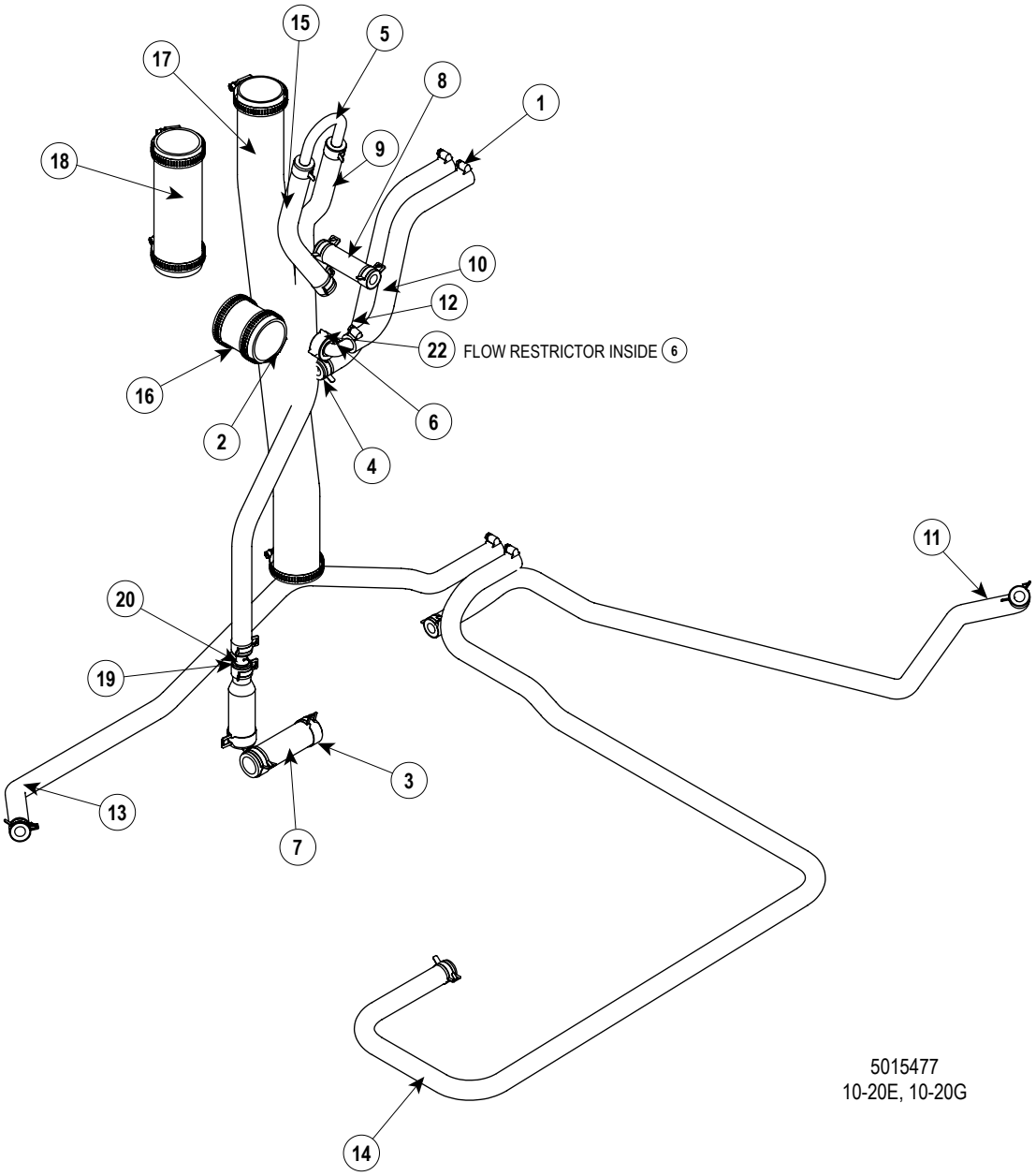
10-10 ELECTRIC WITH BOILER PLUMBING



Item	Part	Description	Qty.
1	CL-22232	WORM GEAR, 1/2"	6
2	CL-22234	CLAMP, WORM GEAR, 40-60, HOSE	6
3	CM-29037	CLAMP, HOSE, 32mm	5
4	CM-29301	CLAMP, HOSE, 23mm	11
5	CP-35253	G 3/4-14 BSP CAP	1
6	FT-36445	FITTING, SST, U-SHAPE 0.5" OD	1
7	HO-27892	HOSE, 0.875" ID, BOILER PUMP, 25" (640mm)	1
8	HO-27892	HOSE, 0.875" ID, PUMP/COND, 4-1/2" (114mm)	1
9	HO-28790	HOSE, 0.5" ID, B5, 38" (970mm)	1
10	HO-28790	HOSE, 0.5" ID, INJ, 3-1/2" (90mm)	1
11	HO-28790	HOSE, 0.5" ID Y4, 30" (765mm)	1

Item	Part	Description	Qty.
12	HO-28790	HOSE, 0.5" ID, Y1, 13-13/16" (350mm)	1
13	HO-28790	HOSE, 0.5" ID, Y2, 60" (1520mm)	1
14	HO-28790	HOSE, 0.5" ID, Y3, 12" (305mm)	1
15	HO-28790	HOSE, 0.5" ID, Y4-2, 8-1/2" (215mm)	1
16	HO-28790	HOSE, 0.5" ID, Y5, 30" (760mm)	1
17	HO-35321	HOSE, 2" ID, BROWN VENT HORIZ., 3" (76mm)	1
18	HO-35321	HOSE, 2" ID, COND. EXHAUST, 22" (560mm)	1
19	HO-35321	HOSE, 2" ID, VERTICAL VENT, 8" (203mm)	2
20	PB-29289	REDUCER, 7/8" x 1/2"	1
21	PB-29489	COUPLER, 1/2" TO 1/2"	1
22	TI-3807	TIE, WIRE, 4" (102mm) NATURAL COLOR	4

10-20 ELECTRIC/GAS PLUMBING

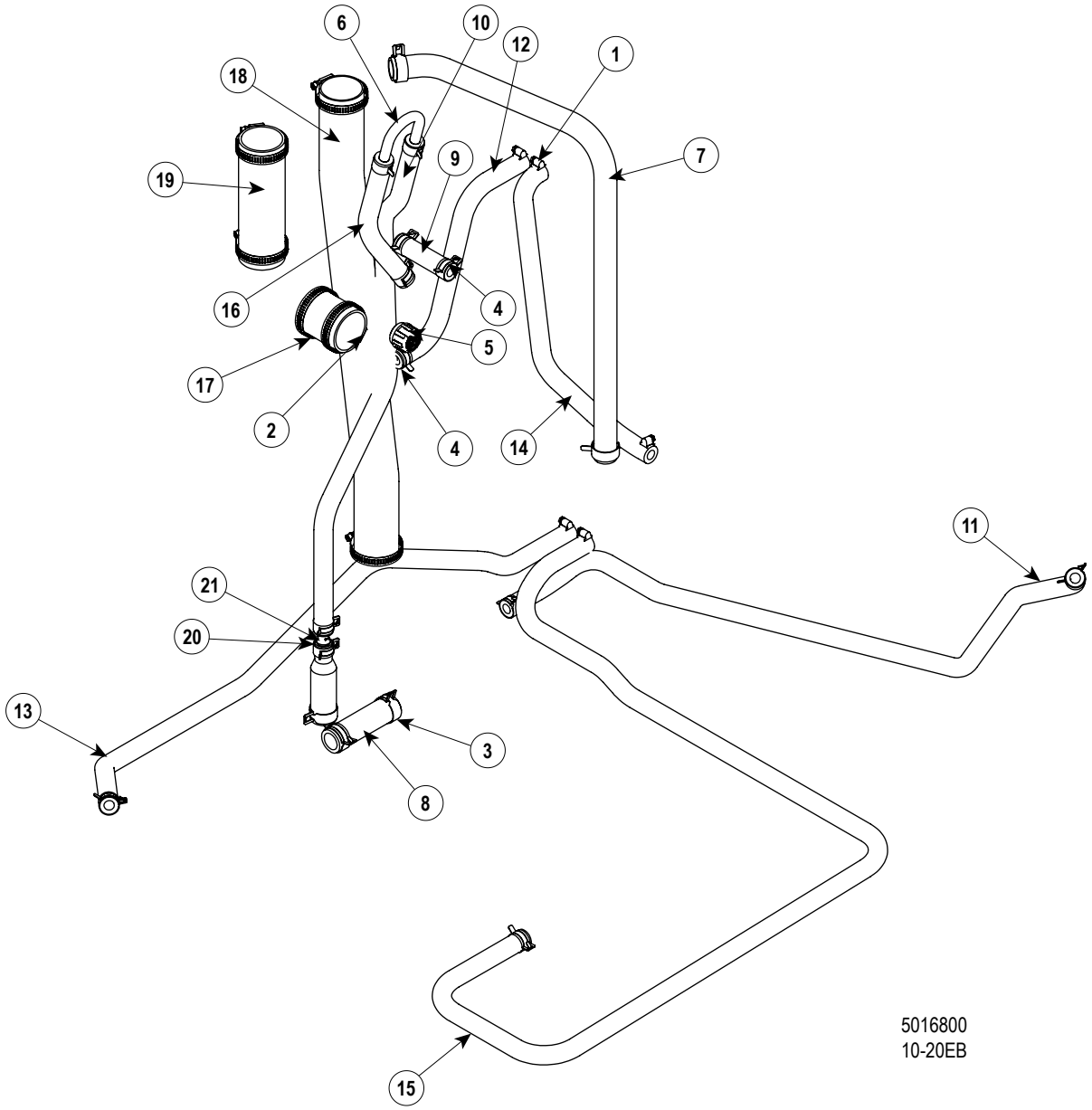


Item	Part	Description	Qty.
1	CL-22232	WORM GEAR, 1/2"	5
2	CL-22234	CLAMP, WORM GEAR, 40-60, HOSE	6
3	CM-29037	CLAMP, HOSE, 32mm	3
4	CM-29301	CLAMP, HOSE, 23mm	12
5	FT-36445	FITTING, SST, U-SHAPE 0.5" OD	1
6	HO-22116	FITTING, ELBOW, 90 DEG	1
7	HO-27892	HOSE, 0.875" ID, PUMP/COND, 4.-1/2" (114mm)	1
8	HO-28790	HOSE, 0.5" ID INJECTION, 3-1/2" (90mm)	1
9	HO-28790	HOSE, 0.5" ID, Y4, 31" (780mm)	1
10	HO-28790	HOSE, 0.5" ID, Y1 INJ, 11-5/16" (288mm)	1
11	HO-28790	HOSE, 0.5" ID B5, 43-5/16" (1100mm)	1

Item	Part	Description	Qty.
12	HO-28790	HOSE, 0.5" ID, Y3, 13-5/16" (338mm)	1
13	HO-28790	HOSE, 0.5" ID, SHOWER, 35" (890mm)	1
14	HO-28790	HOSE, 0.5" ID, Y2, 69" (1750mm)	1
15	HO-28790	HOSE, 0.5" ID, Y4-2, 9" (225mm)	1
16	HO-35321	HOSE, 2" ID, BROWN VENT HORIZ., 3" (76mm)	1
17	HO-35321	HOSE, 2" ID, COND. EXHAUST, 28" (712mm)	1
18	HO-35321	HOSE, 2" ID, VERTICAL VENT, 8" (203mm)	1
19	PB-29289	REDUCER, 7/8" x 1/2"	1
20	PB-29489	COUPLER, 1/2" TO 1/2"	1
21	TI-3808	TIE, WIRE, 8" (140mm) NATURAL COLOR	5
22	VA-35944	FLOW REGULATOR, G 3/4	1

PARTS INFORMATION

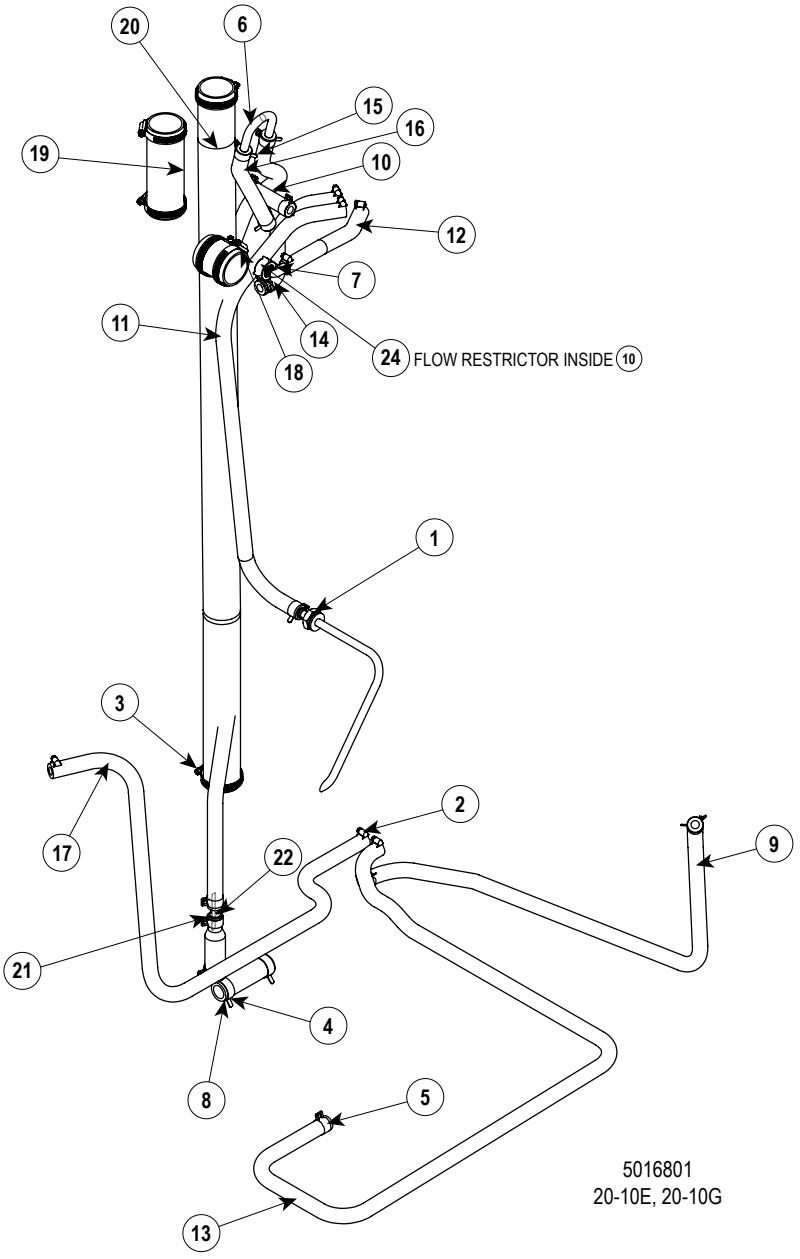
10-20 ELECTRIC WITH BOILER PLUMBING



Item	Part	Description	Qty.
1	CL-22232	WORM GEAR, 1/2"	5
2	CL-22234	CLAMP, WORM GEAR, 40-60, HOSE	6
3	CM-29037	CLAMP, HOSE, 32mm	5
4	CM-29301	CLAMP, HOSE, 23mm	12
5	CP-35253	G 3/4-14 BSP CAP	1
6	FT-36445	FITTING, SST, U-SHAPE 0.5" OD	1
7	HO-27892	HOSE, 0.875" ID, BOILER PUMP, 32" (810mm)	1
8	HO-28792	HOSE, 0.875" ID, PUMP/COND, 4-1/2" (114mm)	1
9	HO-28790	HOSE, 0.5" ID, INJECTION, 3-1/2" (90mm)	1
10	HO-28790	HOSE, 0.5" ID, Y4, 31" (780mm)	1
11	HO-28790	HOSE, 0.5" ID B5, 43.3" (1100mm)	1

Item	Part	Description	Qty.
12	HO-28790	HOSE, 0.5" ID, Y3, 13-5/16" (338mm)	1
13	HO-28790	HOSE, 0.5" ID, SHOWER, 35" (890mm)	1
14	HO-28790	HOSE, 0.5" ID, Y1 BOILER, 20" (502mm)	1
15	HO-28790	HOSE, 0.5" ID, Y2, 67-1/8" (1705mm)	1
16	HO-28790	HOSE, 0.5" ID, Y4-2, 8-7/8" (225mm)	1
17	HO-35321	HOSE, 2" ID, BROWN VENT HORIZ., 3" (76mm)	1
18	HO-35321	HOSE, 2" ID, CONDENSATION EXHAUST, 28" (712mm)	1
19	HO-35321	HOSE, 2" ID, VERTICAL VENT, 8" (203mm)	1
20	PB-29289	REDUCER, 7/8" x 1/2"	1
21	PB-29489	COUPLER, 1/2" TO 1/2"	1
22	TI-3808	TIE, WIRE, 8" (140mm) NATURAL COLOR	4

20-10 ELECTRIC/GAS PLUMBING

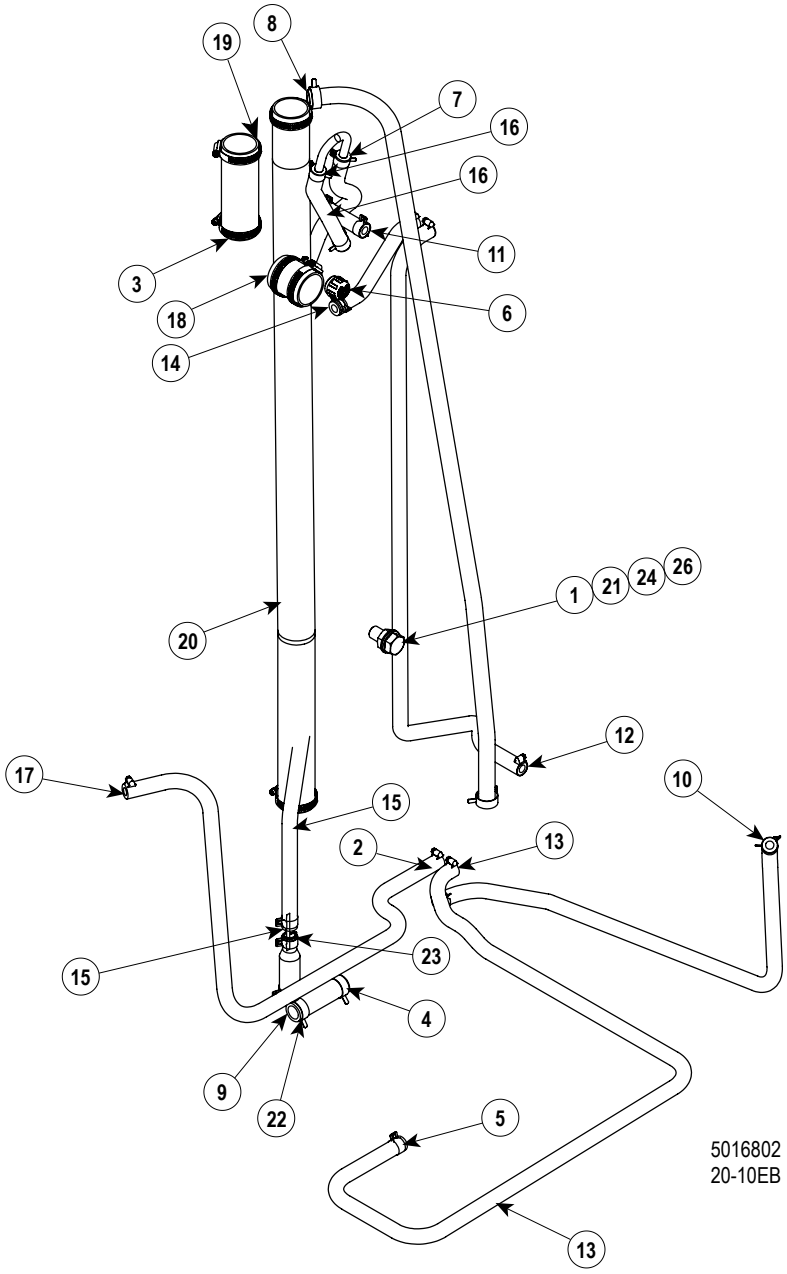


Item	Part	Description	Qty.
1	5015647	INJECTION TUBE ASSY	1
2	CL-22232	WORM GEAR, 1/2"	7
3	CL-22234	CLAMP, WORM GEAR, 40-60, HOSE	6
4	CM-29037	CLAMP, HOSE, 32mm	3
5	CM-29301	CLAMP, HOSE, 23mm	12
6	FT-36445	FITTING, SST, U-SHAPE 0.5" OD	1
7	HO-22116	FITTING, ELBOW, 90 DEG.	1
8	HO-28792	HOSE, 0.875" ID, PUMP/COND, 4-1/2" (114mm)	1
9	HO-28790	HOSE, 0.5" ID, B5, 38-3/16" (970mm)	1
10	HO-28790	HOSE, 0.5" ID, INJECTION, 3-1/2" (90mm)	1
11	HO-28790	HOSE, 0.5" ID Y1B, 36" (889mm)	1
12	HO-28790	HOSE, 0.5" ID, Y1, 9" (229mm)	1

Item	Part	Description	Qty.
13	HO-28790	HOSE, 0.5" ID, Y2, 62" (1575mm)	1
14	HO-28790	HOSE, 0.5" ID, Y3, 10" (254mm)	1
15	HO-28790	HOSE, 0.5" ID, Y4, 60" (1524mm)	1
16	HO-28790	HOSE, 0.5" ID, Y4-2, 8" (203mm)	1
17	HO-35321	HOSE, 0.5" ID, Y5, 45" (1143mm)	1
18	HO-35321	HOSE, 2" ID, CAVITY TO VENT, 2-1/2" (64mm)	1
19	HO-35321	HOSE, 2" ID, VALVE TO VENT, 7" (178mm)	1
20	HO-35321	HOSE, 2" ID, CONDEXH, 51" (1295mm)	1
21	PB-29289	REDUCER, 7/8" X 1/2"	1
22	PB-29489	COUPLER, 1/2" TO 1/2"	1
23	TI-3807	TIE, WIRE, 4" (102mm) NATURAL COLOR	9
24	VA-35944	FLOW REGULATOR, G 3/4	1

PARTS INFORMATION

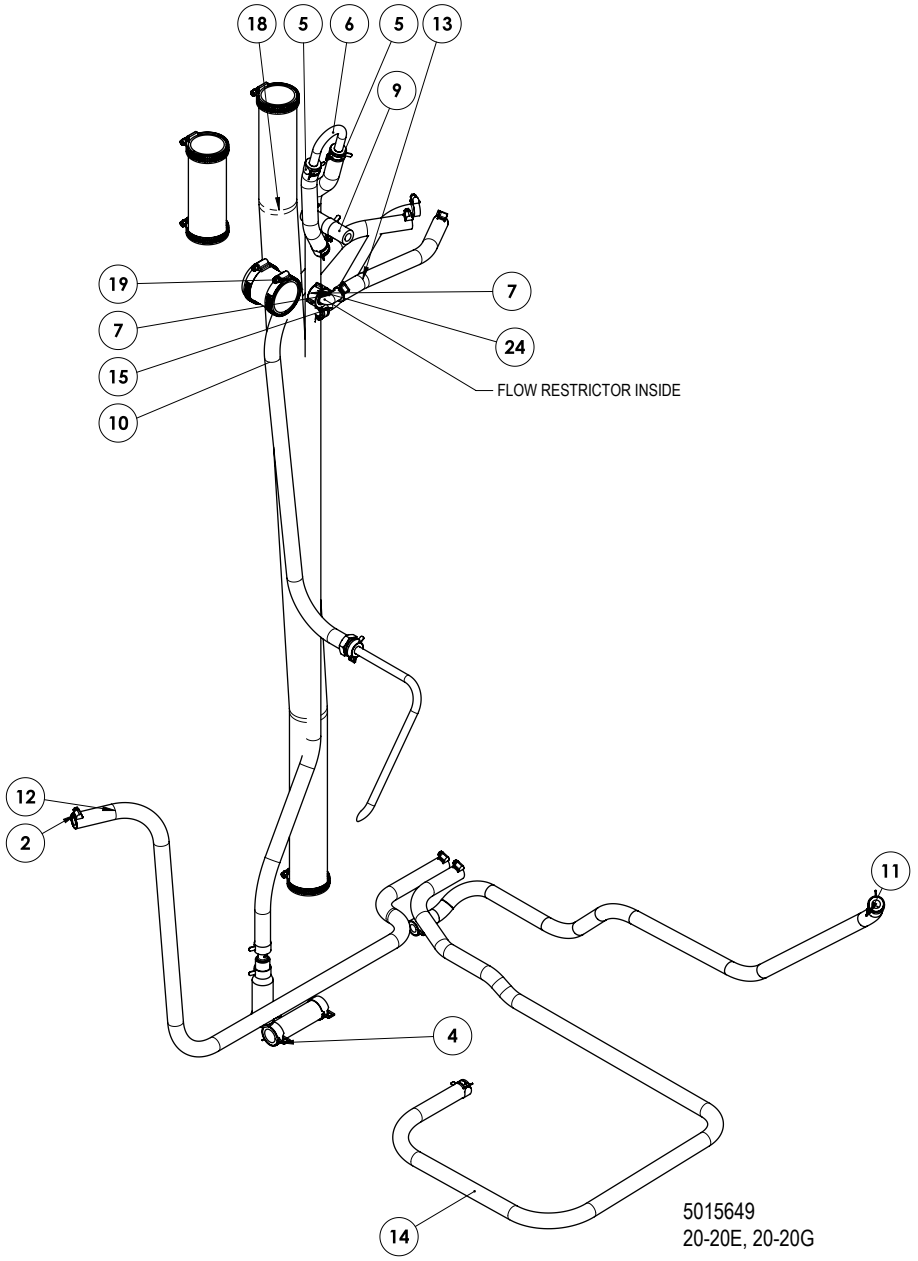
20-10 ELECTRIC WITH BOILER PLUMBING



Item	Part	Description	Qty.
1	1015432	WASHER	1
2	CL-22232	WORM GEAR, 1/2"	6
3	CL-22234	CLAMP, WORM GEAR, 40-60, HOSE	6
4	CM-29037	CLAMP, HOSE, 32mm	5
5	CM-29301	CLAMP, HOSE, 23mm	11
6	CP-35253	G 3/4-14 BSP CAP	1
7	FT-36445	FITTING, SST, U-SHAPE 0.5" OD	1
8	HO-27892	HOSE, 0.875" ID, BOIL DRAIN, 59" (1499mm)	1
9	HO-27892	HOSE, 0.875" ID, PUMP/COND, 4-1/2" (114 mm)	1
10	HO-28790	HOSE, 0.5" ID, B5, 38-3/16" (970mm)	1
11	HO-28790	HOSE, 0.5" ID, INJECTION, 3-1/2" (90mm)	1
12	HO-28790	HOSE, 0.5" ID, Y1 EB, 48" (1219mm)	
13	HO-28790	HOSE, 0.5" ID, Y1 EB, 62" (1575mm)	

Item	Part	Description	Qty.
14	HO-28790	HOSE, 0.5" ID, Y3 EB, 8" (203mm)	1
15	HO-28790	HOSE, 0.5" ID, Y4, 60" (1524mm)	1
16	HO-28790	HOSE, 0.5" ID, Y4-2, 8" (203mm)	1
17	HO-28790	HOSE, 0.5" ID, Y5, 45" (1143mm)	1
18	HO-35321	HOSE, 2" ID, CAVITY TO VENT, 2-1/2" (64mm)	1
19	HO-35321	HOSE, 2" ID, VALVE TO VENT, 7" (178mm)	1
20	HO-35321	HOSE, 2" ID, CONDEXH, 51" (1295mm)	1
21	NU-35951	NUT, M20 x 2.5 HJN DIN439B	1
22	PB-29289	REDUCER, 7/8" x 1/2"	1
23	PB-29489	COUPLER, 1/2" TO 1/2"	1
24	SC-36368	SCREW, M20 x 2.5 x 40mm HEX	1
25	TI-3807	TIE, WIRE, 4" (102mm), NATURAL COLOR	5
26	WS-35485	WASHER, CONICAL 1" ID X 1.5" OD	1

20-20 ELECTRIC/GAS PLUMBING

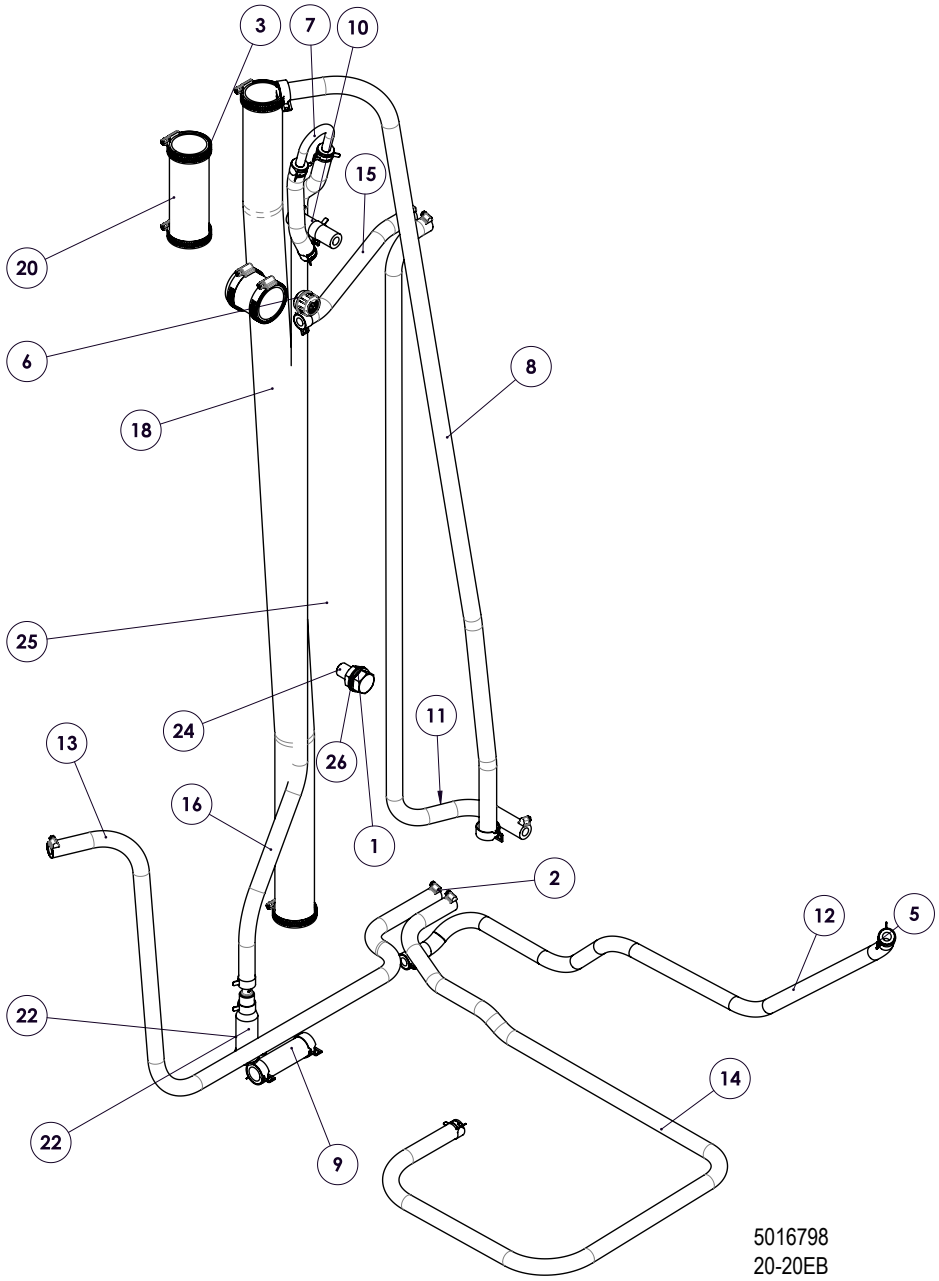


Item	Part	Description	Qty.
1	5015647	INJECTION TUBE ASSY	1
2	CL-22232	WORM GEAR, 1/2"	7
3	CL-22234	CLAMP, WORM GEAR, 40-60, HOSE	6
4	CM-29037	CLAMP, HOSE, 32mm	3
5	CM-29301	CLAMP, HOSE, 23mm	12
6	FT-36445	FITTING, SST, U-SHAPE 0.5" OD	1
7	HO-22116	FITTING, ELBOW, 90 DEG.	2
8	HO-28792	HOSE, 0.875" ID, PUMP/COND, 4-1/2" (114mm)	1
9	HO-28790	HOSE, 0.5" ID, INJECTION, 3-1/2" (90mm)	1
10	HO-28790	HOSE, 0.5" ID, LOWER Y1, 37" (940mm)	1
11	HO-28790	HOSE, 0.5" ID B5, 44" (1118mm)	1
12	HO-28790	HOSE, 0.5" ID, HANDSHOWER, 45-1/16" (1145mm)	1

Item	Part	Description	Qty.
13	HO-28790	HOSE, 0.5" ID, Y1 INJECTION, 10-5/8" (270mm)	1
14	HO-28790	HOSE, 0.5" ID, Y2, 60" (1525mm)	1
15	HO-28790	HOSE, 0.5" ID, Y3, 11-5/8" (294mm)	1
16	HO-28790	HOSE, 0.5" ID, Y4, 61" (1550mm)	1
17	HO-28790	HOSE, 0.5" ID, Y4-2, 7-1/2" (190mm)	1
18	HO-35321	HOSE, 2" ID, CONDENSATE EXHAUST, 57" (1448mm)	1
19	HO-35321	HOSE, 2" ID, CAVITY TO VENT, 2-1/2" (64mm)	1
20	HO-35321	HOSE, 2" ID, VALVE TO VENT, 7" (178mm)	1
21	PB-29289	REDUCER, 7/8" X 1/2"	1
22	PB-29489	COUPLER, 1/2" TO 1/2"	1
23	TI-3808	TIE, WIRE, 8" (140mm) NATURAL COLOR	9
24	VA-35944	FLOW REGULATOR, G 3/4	1

PARTS INFORMATION

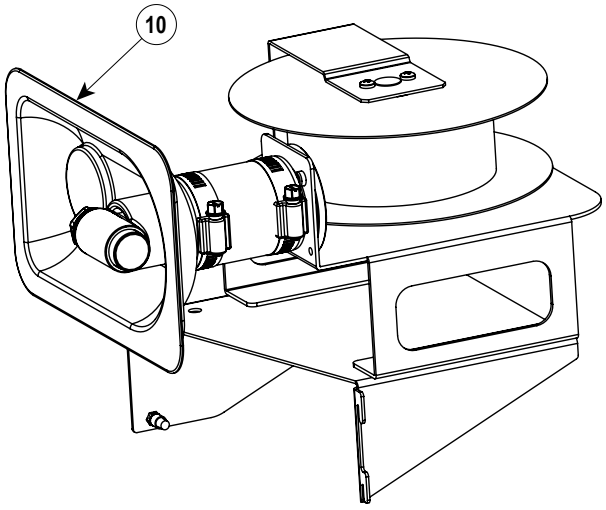
20-20 ELECTRIC WITH BOILER PLUMBING



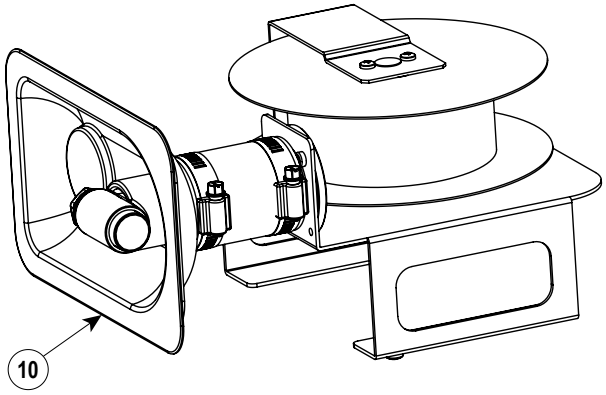
Item	Part	Description	Qty.
1	1015432	WASHER	1
2	CL-22232	WORM GEAR, 1/2"	6
3	CL-22234	CLAMP, WORM GEAR, 40-60, HOSE	6
4	CM-29037	CLAMP, HOSE, 32mm	5
5	CM-29301	CLAMP, HOSE, 23mm	11
6	CP-35253	6 3/4-14 BSP CAP	1
7	FT-36445	FITTING, SST, U-SHAPE 0.5" OD	1
8	HO-28792	HOSE, 0.875" ID, GENERATOR DRAIN, 54" (1372mm)	1
9	HO-28792	HOSE, 0.875" ID, PUMP/COND, 4-1/2" (114mm)	1
10	HO-28790	HOSE, 0.5" ID, INJECTION, 3-1/2" (90mm)	1
11	HO-28790	HOSE, 0.5" ID, Y1 BOILER, 40-3/16" (1020mm)	1
12	HO-28790	HOSE, 0.5" ID, B5, 44" (1118mm)	1
13	HO-28790	HOSE, 0.5" ID, HANDSHOWER, 45-1/16" (1145mm)	1

Item	Part	Description	Qty.
14	HO-28790	HOSE, 0.5" ID, Y2, 60" (1525mm)	1
15	HO-28790	HOSE, 0.5" ID, Y3 BOILER, 10-7/8" (275mm)	1
16	HO-28790	HOSE, 0.5" ID, Y4, 61" (1550mm)	1
17	HO-28790	HOSE, 0.5" ID, Y4-2, 7-1/2" (190mm)	1
18	HO-35321	HOSE, 2" ID, CONDENSATE EXHAUST, 57" (1448mm)	1
19	HO-35321	HOSE, 2" ID, CAVITY TO VENT, 2-1/2" (64mm)	1
20	HO-35321	HOSE, 2" ID, VALVE TO VENT, 7" (178mm)	1
21	NU-35951	NUT, M20X2.5 HEX JAM NUT	1
22	PB-29289	REDUCER, 7/8" X 1/2"	1
23	PB-29489	COUPLER, 1/2" TO 1/2"	1
24	SC-36368	SCREW, M20X2.5X40mm HEX	1
25	TI-3808	TIE, WIRE, 8" (140mm) NATURAL COLOR	9
26	WS-35485	WASHER, CONICAL	1

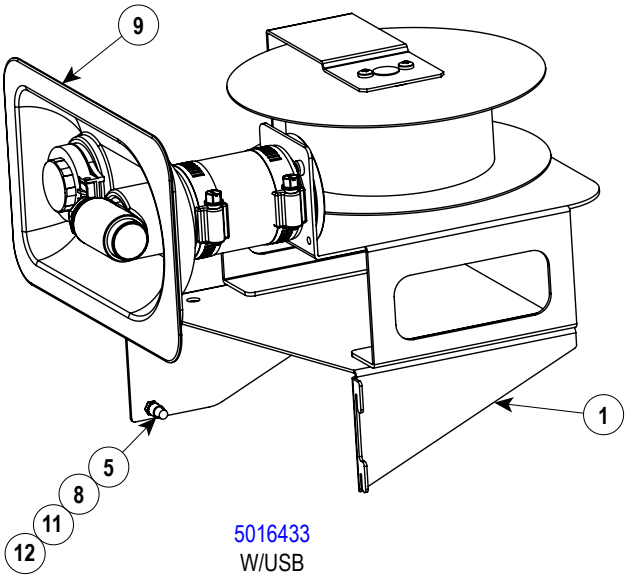
HANDSHOWER PACKAGE



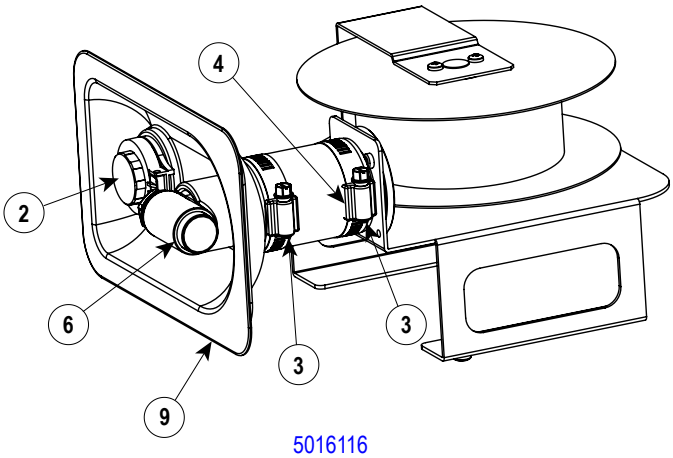
5016434
WO/USB
20-10, 20-20



5016117
WO/USB
6-10, 10-10, 7-20, 10-20



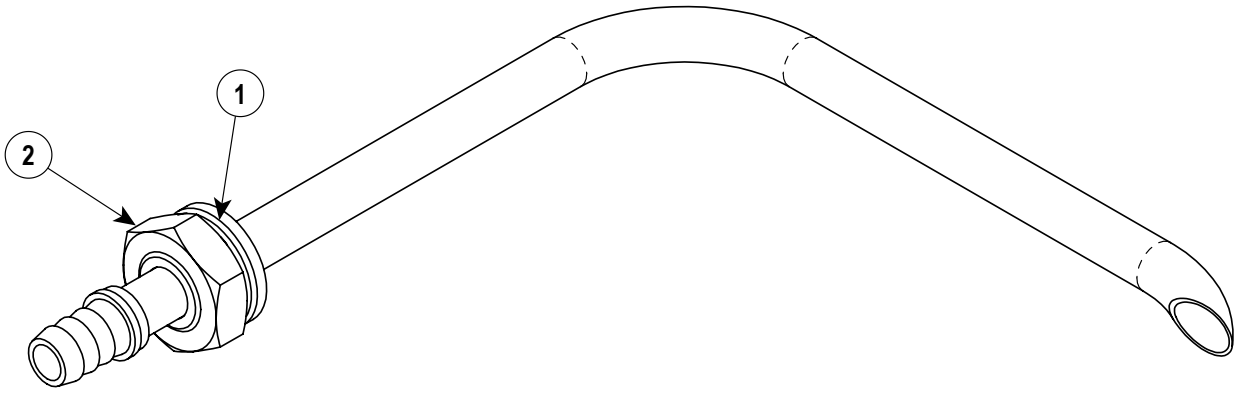
5016433
W/USB
20-10, 20-20



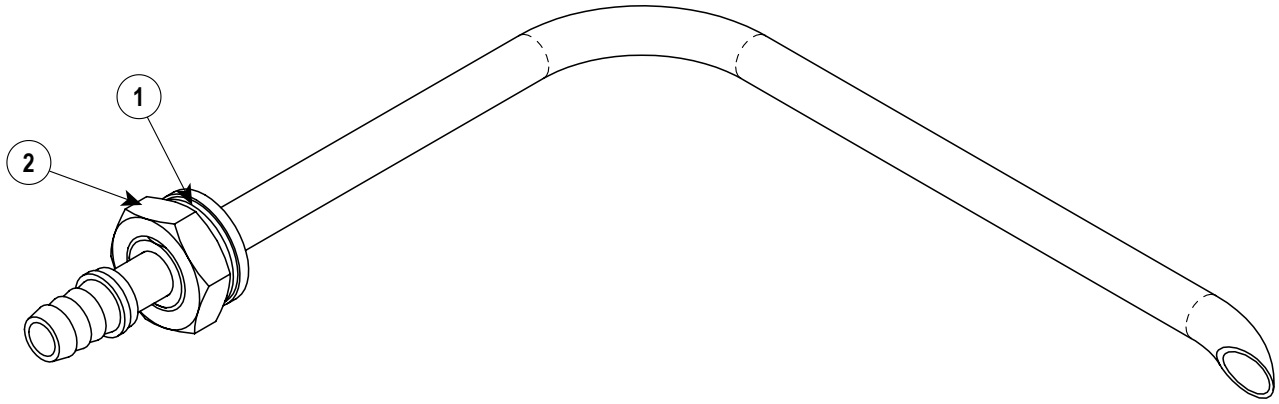
5016116
W/USB
6-10, 10-10, 7-20,10-20

Item	Part	Description	5016116 Qty.	5016117 Qty.	5016433 Qty.	5016434 Qty.
1	1014569	BRACKET, SHOWER REEL	—	—	1	1
2	CB-35746	CONNECTOR, USB, PANEL MOUNT	1	—	1	—
3	CL-22234	CLAMP, WORM GEAR, 40-60, HOSE	2	2	2	2
4	HO-29435	HOSE, 1-5/8" (41mm), BULK, 2" (51mm) LG	1	1	1	1
5	NU-23909	NUT, HEX INSERT M5	2	2	4	4
6	PB-29664	PLUMBING, HAND SPRAYER	1	1	1	1
7	PB-35151	RETRACTABLE SHOWER REEL	1	1	1	1
8	SC-22779	SCREW, M5 x 0.8 x 20mm PAN	2	2	4	4
9	SP-35790	SPRAY HOUSING, COMBI 2013	1	—	1	—
10	SP-35830	SPRAY HOUSING, COMBI 2013	—	1	—	1
11	WS-22295	WASHER, FLAT M5 S/S	2	2	4	4
12	WS-22301	WASHER, M5 SPLIT LOCK	2	2	4	4

INJECTION TUBE ASSEMBLY



6-10

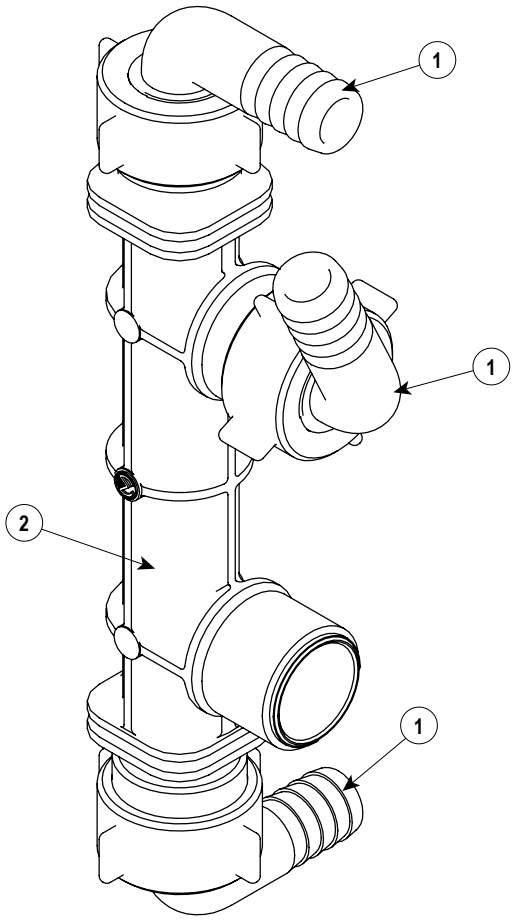


7-20, 10-10, 10-20, 20-10, 20-20

Item	Part	Description	Qty.
	5015658R	INJECTION TUBE SERVICE KIT, 6-10	1
1	1013000	*WASHER, CONICAL 0.875" ID x 1.125" OD	1
2	NU-35951	*NUT, M20 x 2.5 HJN DIN439B	1
	5015647R	INJECTION TUBE SERVICE KIT, 7-20, 10-10, 10-20, 20-10, 20-20	1
1	1013000	*WASHER, CONICAL 0.875" ID x 1.125" OD	1
2	NU-35951	*NUT, M20 x 2.5 HJN DIN439B	1

* INCLUDED IN SERVICE KIT

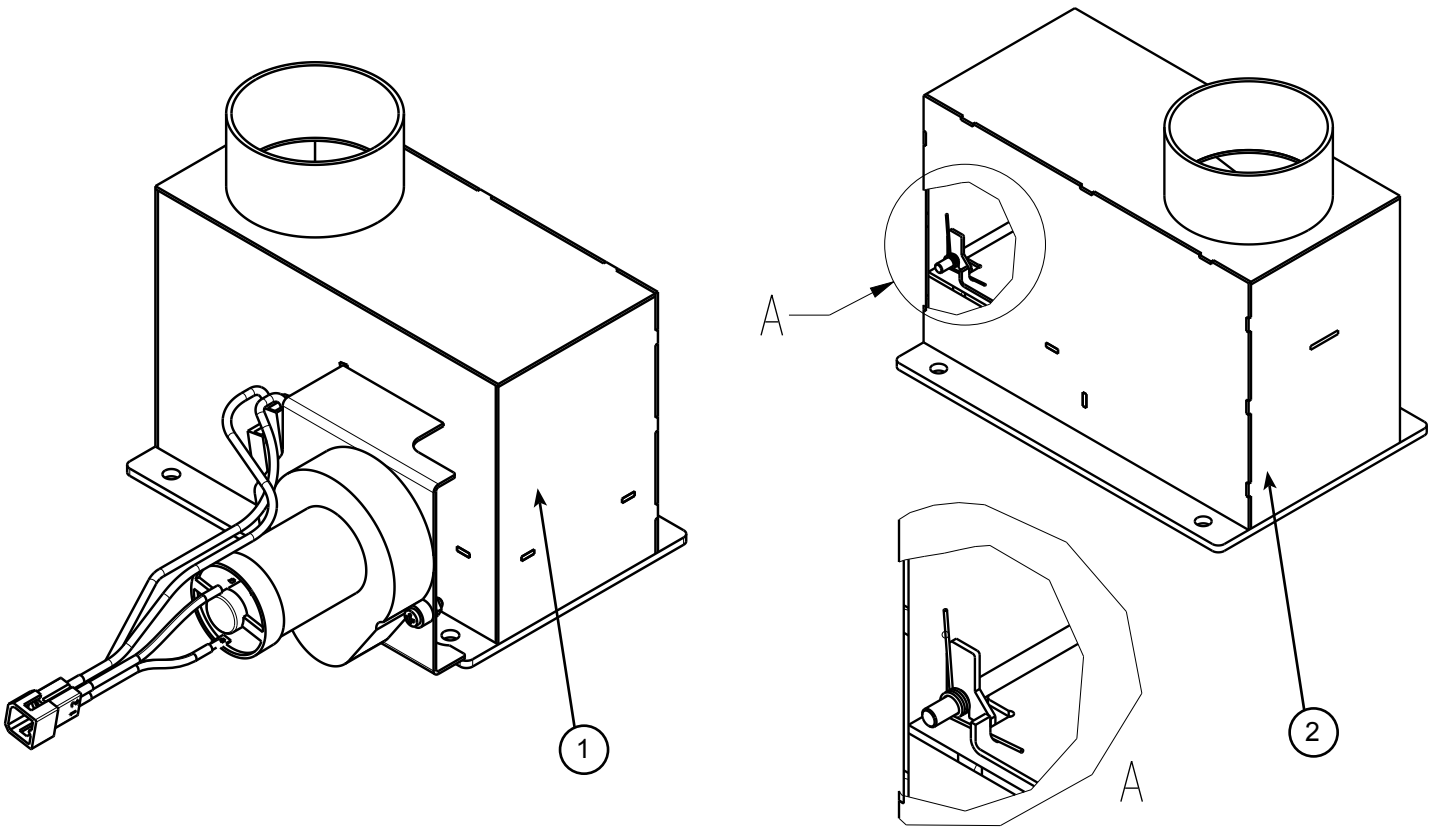
CTP/CTC WATER MANIFOLD ASSEMBLY



Item	Part	Description	Qty.
1	HO-22116	FITTING, ELBOW, 90 DEG.	3
2	PB-35145	MANIFOLD, TRIPLE DISTRIBUTION, G 3/4	1

PARTS INFORMATION

CONDENSER BROWNING/RELIEF VALVES



Item	Part	Description	Qty.
1	VA-35200	CONDENSER BROWNING / RELIEF VALVE, CTP	1
2	VA-35205	CONDENSER BROWNING / RELIEF VALVE, CTC	1

ELECTRICAL CHASSIS

CTP6-10G, 120V/208V	H-2
CTP6-10G, 380V, 3PH	H-4
CTC6-10G, 120V	H-6
CTC6-10G, 208V, 3PH	H-8
CTC6-10G, 380V, 3PH	H-10
CTP6-10E, 208V, 1PH	H-12
CTP6-10EB, 208V, 1PH	H-14
CTP6-10E, 208V, 3PH	H-16
CTP6-10EB, 208V, 3PH	H-18
CTP6-10E, 380V, 3PH	H-20
CTP6-10EB, 380V, 3PH	H-22
CTP6-10E, 440V, 3PH	H-24
CTP6-10EB, 440V, 3PH	H-26
CTC6-10E, 208V, 3PH	H-28
CTC6-10E, 380V, 3PH	H-30
CTC6-10E, 440V, 3PH	H-32
CTP10-10G, CTP7-20G, 120V/208V	H-34
CTP10-10G, CTP7-20G, 380V, 3PH	H-36
CTC10-10G, CTC7-20G, 120V	H-38
CTC10-10G, CTC7-20G, 208V, 3PH	H-40
CTC10-10G, CTC7-20G, 380V, 3PH	H-42
CTP10-10E, CTP7-20E, 240V, 1PH	H-44
CTP10-10EB, CTP7-20EB, 240V, 1PH	H-46
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CTP10-10E, CTP7-20E, 380V, 3PH	H-52
CTP10-10EB, CTP7-20EB, 380V, 3PH	H-54
CTP10-10E, CTP7-20E, 440V, 3PH	H-56
CTP10-10EB, CTP7-20EB, 440V, 3PH	H-58
CTC10-10E, CTC7-20E, 208V, 3PH	H-60
CTC10-10E, CTC7-20E, 380V, 3PH	H-62
CTC10-10E, CTC7-20E, 440V, 3PH	H-64
CTP10-20G, 120V/208V	H-66
CTP10-20G, 380V, 3PH	H-68
CTC10-20G, 120V	H-70
CTC10-20G, 208V, 3PH	H-72
CTC10-20G, 380V, 3PH	H-75
CTP10-20E, 208V, 3PH	H-76
CTP10-20EB, 208V, 3PH	H-78
CTP10-20E, 380V, 3PH	H-80
CTP10-20EB, 380V, 3PH	H-82
CTP10-20E, 440V, 3PH	H-84
CTP10-20EB, 440V, 3PH	H-86
CTC10-20E, 208V, 3PH	H-88
CTC10-20E, 380V, 3PH	H-90
CTC10-20E, 440V, 3PH	H-92
CTP20-10G, CTP20-20G, 120V/208V	H-94
CTP20-10G, CTP20-20G, 380V, 3PH	H-96
CTC20-10G, CTC20-20G, 120V	H-98
CTC20-10G, CTC20-20G, 208V, 3PH	H-100
CTC20-10G, CTC20-20G, 380V, 3PH	H-102
CTP20-10E, 208V, 3PH	H-104
CTP20-10EB, 208V, 3PH	H-106
CTP20-10E, 380V, 3PH	H-108
CTP20-10EB, 380V, 3PH	H-110
CTP20-10E, 440V, 3PH	H-112
CTP20-10EB, 440V, 3PH	H-114
CTC20-10E, 208V, 3PH	H-116
CTC20-10E, 380V, 3PH	H-118
CTC20-10E, 440V, 3PH	H-120
CTP20-20E, 208V, 3PH	H-122
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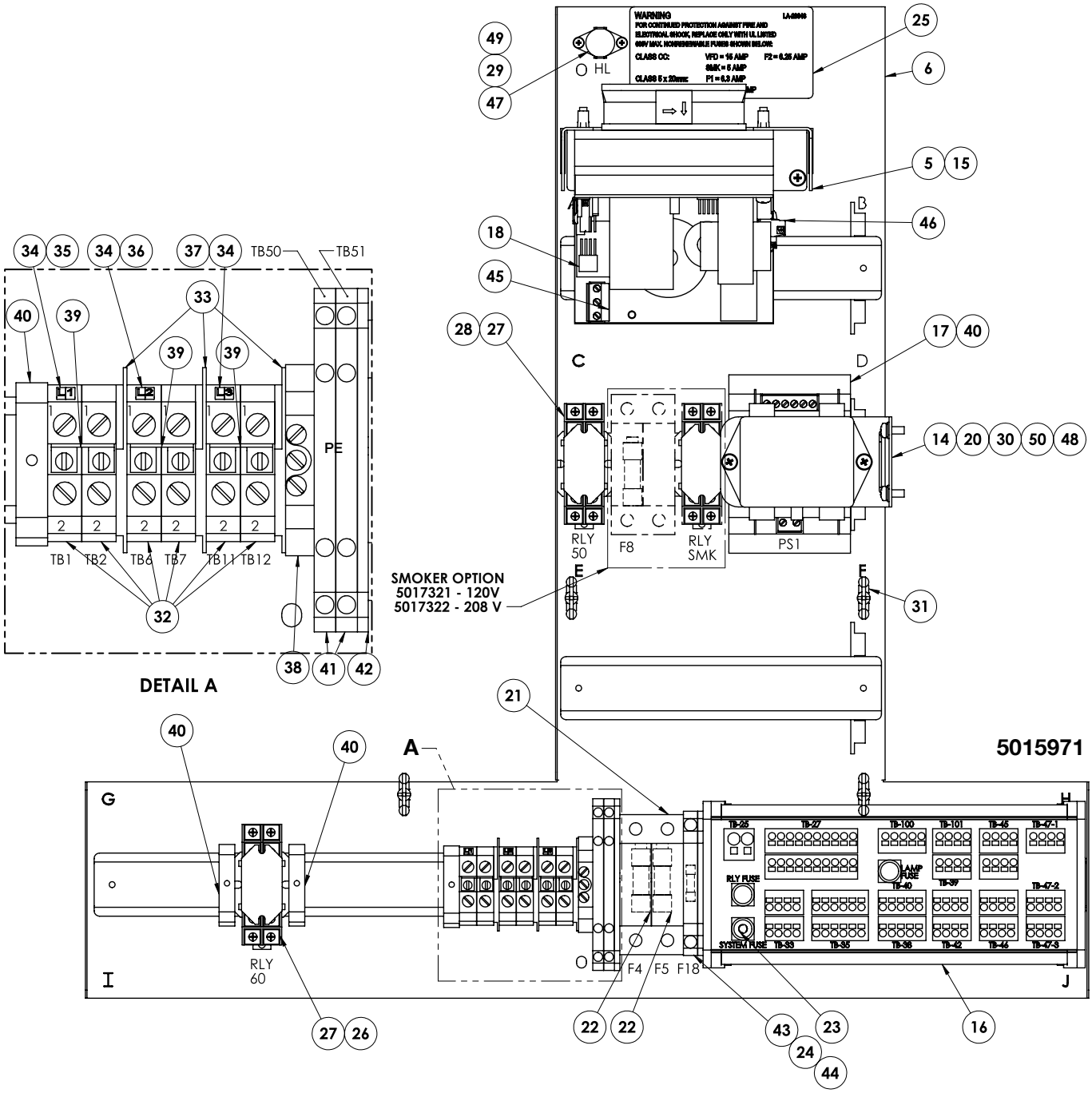
CTP20-20E, 380V, 3PH	H-126
CTP20-20EB, 380V, 3PH	H-128
CTP20-20E, 440V, 3PH	H-130
CTP20-20EB, 440V, 3PH	H-132
CTC20-20E, 208V, 3PH	H-134
CTC20-20E, 380V, 3PH	H-136
CTC20-20E, 440V, 3PH	H-138

PARTS INFORMATION

CTP6-10G, 120V/208V



CONTINUED ON NEXT PAGE

CTP6-10G, 120V/208V - CONTINUED

5015971

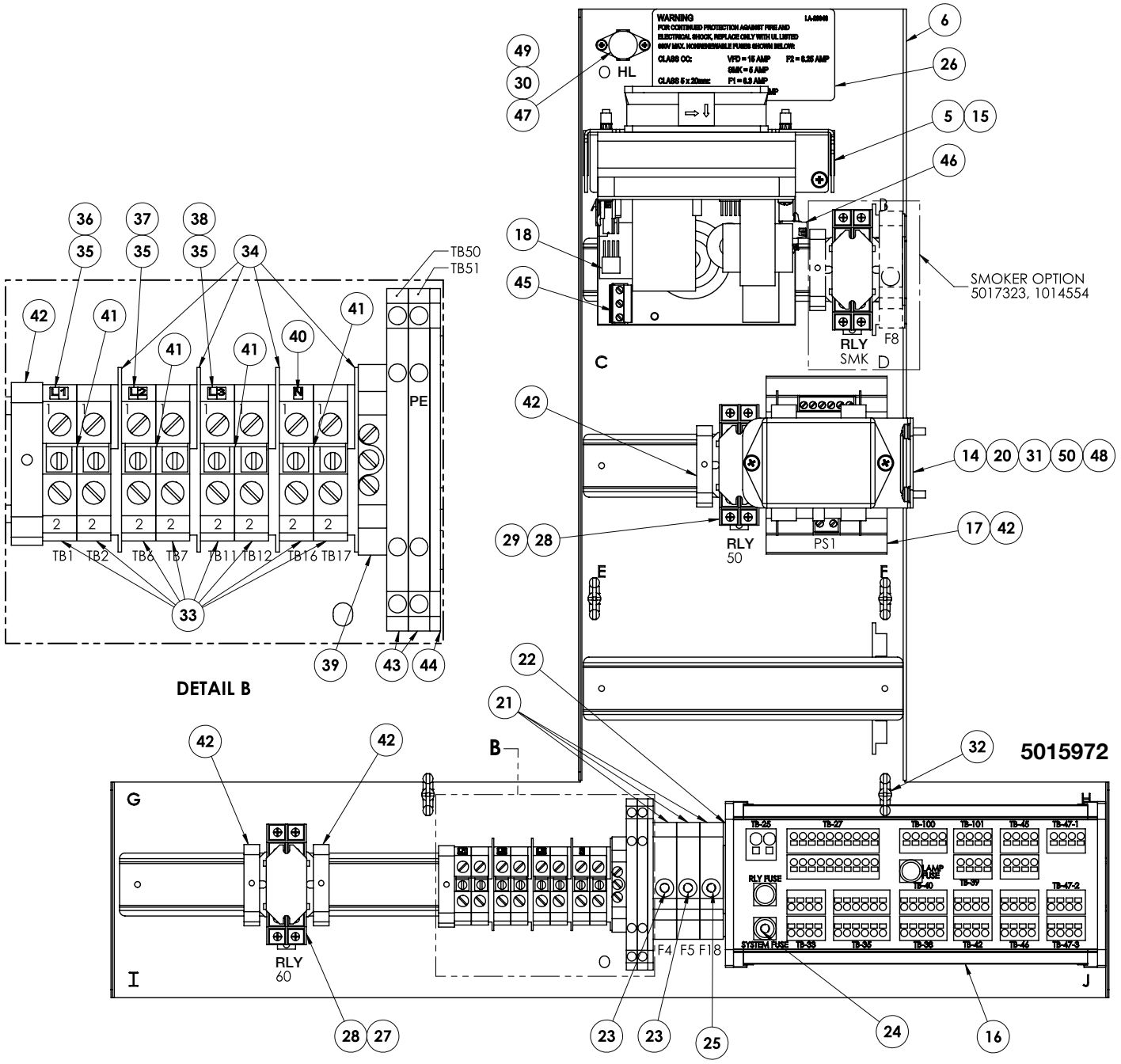
Item	Part	Description	Qty.
1	*–	WIRE ASSY, TT 208V, 380V, 440V	1
2	*–	WIRE ASSY, 6-10, 10-10, 7-20 G	1
3	*–	WIRE ASSY, ALL G, ALL VOLTAGE	1
4	*–	WIRE ASSY, 6-10, 10-10, 7-20	1
5	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	1
6	5015979	PANEL ASSY, ELECTRICAL CHASSIS	1
7	*–	WIRE ASSY, TT EB, E, G	1
8	*–	WIRE ASSY, TT EB, E, G ALL V	1
9	*–	WIRE ASSY, TT EB, E, G ALL V	1
10	*–	WIRE ASSY, 6-10, 10-10, 7-20, 10-20 EB/E/G	1
11	*–	WIRE ASSEMBLY	1
12	*–	WIRING ASSEMBLY	1
13	*–	KIT, BROWNING VALVE MOTOR	1
14	5017026	BRACKET, FILTER LINE, ASSEMBLY	1
15	BA-34676	BOARD, VF MOTOR DRIVE	1
16	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
17	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
18	CB-35777	CABLE, CAN-FAN, 4 POLE	1
19	*–	ENVELOPE, PRESS ON	1
20	FI-33225	FILTER LINE 115/250V 50/60HZ	1
21	FU-34771	FUSE HOLDER, 2 BANK	1
22	FU-34772	FUSE, 15 AMP	2
23	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
24	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1
25	–	LABEL, FUSE WARNING	1

Item	Part	Description	Qty.
26	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
27	RL-34634	UNIVERSAL MOUNTING SOCKET	2
28	RL-36100	RELAY, DPDT, 12VDC	1
29	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
30	SC-22273	SCREW, M4 x 0.7 x 10mm PAN	4
31	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	4
32	TM-3779	TERMINAL BLOCK	6
33	TM-3785	PARTITION	3
34	TM-3788	TERMINALS, MARK, L	3
35	TM-3790	TERMINALS, MARK, 1	1
36	TM-3791	TERMINALS, MARK, 2	1
37	TM-3792	TERMINALS, MARK, 3	1
38	TM-3932	TERMINAL, GROUND	1
39	TM-33675	JUMPER STRIP	3
40	TM-34305	TERMINAL, SCREWLESS END	4
41	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
42	TM-34309	TERMINAL, END SECTION, SPRING	1
43	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
44	TM-34315	TERMINAL, END PLATE	1
45	TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	1
46	TM-34905	TERMINAL, 4-POLE GREEN, MSTB	1
47	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
48	WS-22294	WASHER, FLAT M4 18-8 S/S	4
49	WS-22299	WASHER, M3 SPLIT LOCK	2
50	WS-22300	WASHER, M4 SPLIT LOCK	4

*NOT SHOWN

PARTS INFORMATION

CTP6-10G, 380-415V



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CTP6-10G, 380-415V CONTINUED

5015972

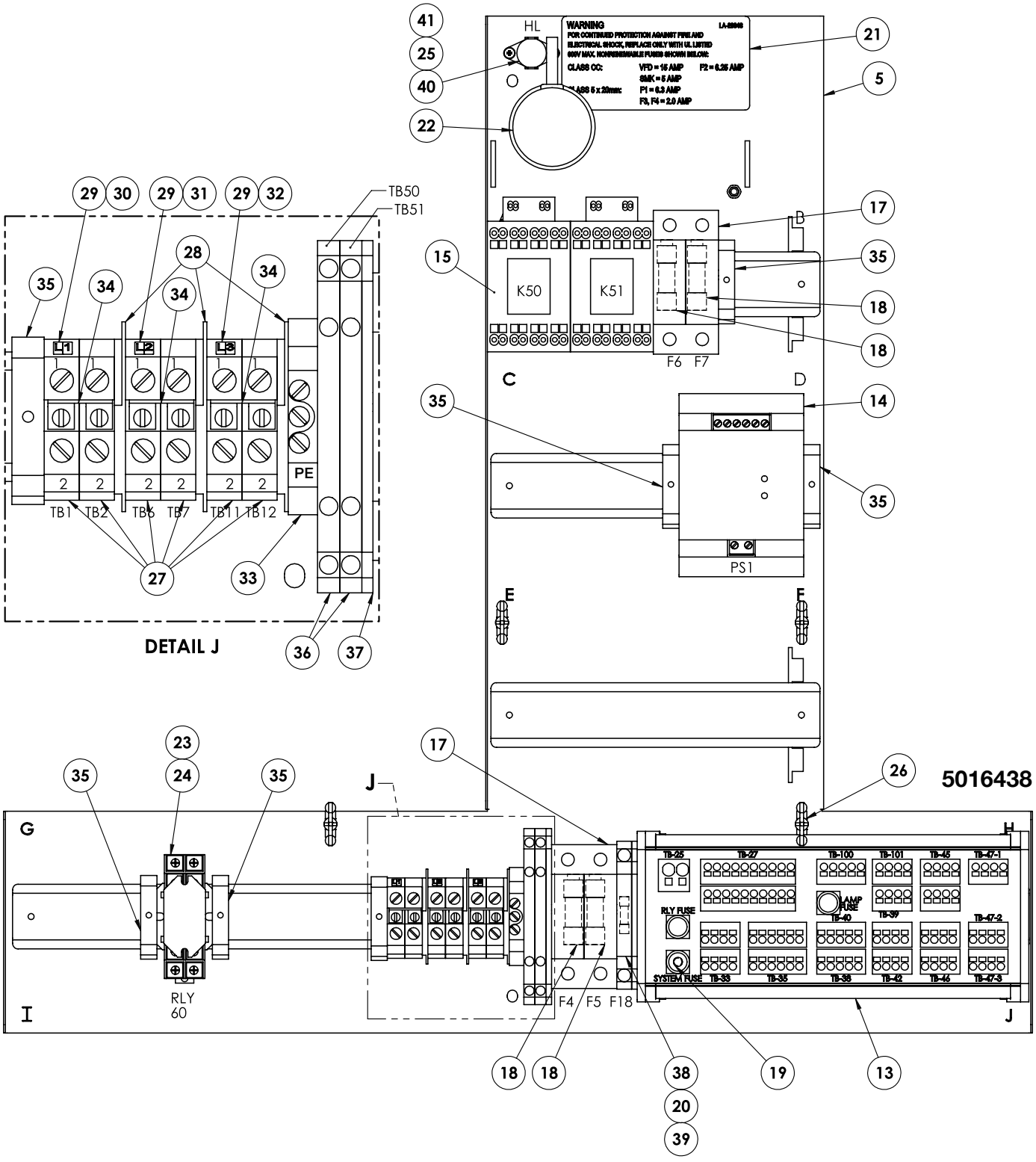
Item	Part	Description	Qty.
1	*–	WIRE ASSY, TT 208V, 380V, 440V	1
2	*–	WIRE ASSY, 6-10, 10-10, 7-20 G	1
3	*–	WIRE ASSY, ALL GAS, ALL VOLTAGE	1
4	*–	WIRE ASSY, 6-10, 10-10, 7-20	1
5	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	1
6	5015979	PANEL ASSY, ELECTRICAL CHASSIS	1
7	*–	WIRE ASSY, TT EB, E, G	1
8	*–	WIRE ASSY, TT EB, E, G ALL V	1
9	*–	WIRE ASSY, TT EB, E, G ALL V	1
10	*–	WIRE ASSY, 6-10, 10-10, 7-20, 10-20 EB/E/G	1
11	*–	WIRE ASSEMBLY	1
12	*–	WIRING ASSEMBLY	1
13	*–	KIT, BROWNING VALVE MOTOR	1
14	5017026	BRACKET, FILTER LINE, ASSEMBLY	1
15	BA-34676	BOARD, VF MOTOR DRIVE	1
16	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
17	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
18	CB-35777	CABLE, CAN-FAN, 4 POLE	1
19	*–	ENVELOPE, PRESS ON	1
20	FI-33225	FILTER LINE 115/250V 50/60HZ	1
21	FU-33451	FUSE, TERMINAL, 6.3A	3
22	FU-34749	FUSE, HOLDER COVER	1
23	FU-34921	FUSE, NEOZED, 15A	2
24	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
25	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1

Item	Part	Description	Qty.
26	–	LABEL, FUSE WARNING	1
27	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
28	RL-34634	UNIVERSAL MOUNTING SOCKET	2
29	RL-36100	RELAY, DPDT, 12VDC	1
30	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
31	SC-22273	SCREW, M4 x 0.7 x 10mm PAN	4
32	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	4
33	TM-3779	TERMINAL BLOCK	8
34	TM-3785	PARTITION	4
35	TM-3788	TERMINALS, MARK, L	3
36	TM-3790	TERMINALS, MARK, 1	1
37	TM-3791	TERMINALS, MARK, 2	1
38	TM-3792	TERMINALS, MARK, 3	1
39	TM-3932	TERMINAL, GROUND	1
40	TM-33479	TERMINALS, MARK, N	1
41	TM-33675	JUMPER STRIP	4
42	TM-34305	TERMINAL, SCREWLESS END	5
43	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
44	TM-34309	TERMINAL, END SECTION, SPRING	1
45	TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	1
46	TM-34905	TERMINAL, 4-POLE GREEN, MSTB	1
47	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
48	WS-22294	WASHER, FLAT M4 18-8 S/S	4
49	WS-22299	WASHER, M3 SPLIT LOCK	2
50	WS-22300	WASHER, M4 SPLIT LOCK	4

*NOT SHOWN

PARTS INFORMATION

CTC6-10G, 120V



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CTC6-10G, 120V - CONTINUED

5016438

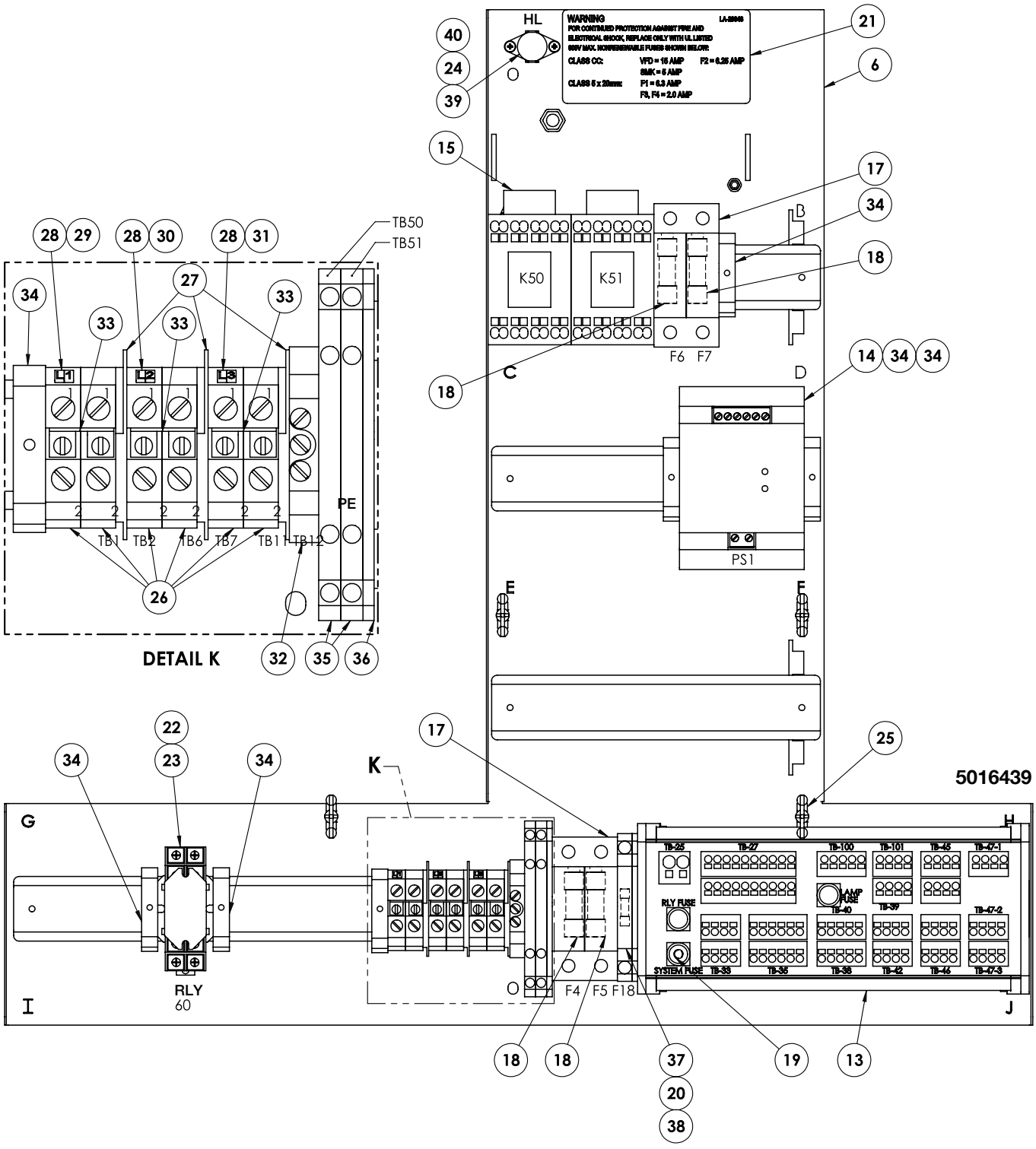
Item	Part	Description	Qty.
1	*–	WIRE ASSY, 6-10, 10-10, 7-20 G	1
2	*–	WIRE ASY, COMBI EB, E, G	1
3	*–	WIRE ASSY, ALL G, ALL VOLTAGE	1
4	*–	WIRE ASSY, 6-10, 10-10, 7-20	1
5	5015979	PANEL ASSY, ELECTRICAL CHASSIS	1
6	*–	WIRE ASSY, TT EB, E, G	1
7	*–	WIRE ASSY, TT EB, E, G ALL V	1
8	*–	WIRE ASSY, TT EB, E, G ALL V	1
9	*–	WIRE SET	1
10	*–	WIRE ASSEMBLY	1
11	*–	WIRING ASSEMBLY	1
12	*–	WIRE ASSEMBLY	1
13	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
14	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
15	CN-34343	CONTACTOR, 120V, 25A	2
16	*–	ENVELOPE, PRESS ON	1
17	FU-34771	FUSE HOLDER, 2 BANK	2
18	FU-34772	FUSE, 15 AMP	4
19	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
20	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1
21	–	LABEL, FUSE WARNING	1

Item	Part	Description	Qty.
22	MO-34393	CAPACITOR, MOTOR, 40 MFD, 240VAC	2
23	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
24	RL-34634	UNIVERSAL MOUNTING SOCKET	1
25	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
26	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	4
27	TM-3779	TERMINAL BLOCK	6
28	TM-3785	PARTITION	3
29	TM-3788	TERMINALS, MARK, L	3
30	TM-3790	TERMINALS, MARK, 1	1
31	TM-3791	TERMINALS, MARK, 2	1
32	TM-3792	TERMINALS, MARK, 3	1
33	TM-3932	TERMINAL, GROUND	1
34	TM-33675	JUMPER STRIP	3
35	TM-34305	TERMINAL, SCREWLESS END	6
36	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
37	TM-34309	TERMINAL, END SECTION, SPRING	1
38	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
39	TM-34315	TERMINAL, END PLATE	1
40	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
41	WS-22299	WASHER, M3 SPLIT LOCK	2

*NOT SHOWN

PARTS INFORMATION

CTC6-10G, 208V, 3PH



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CTC6-10G, 208V, 3PH - CONTINUED

5016439

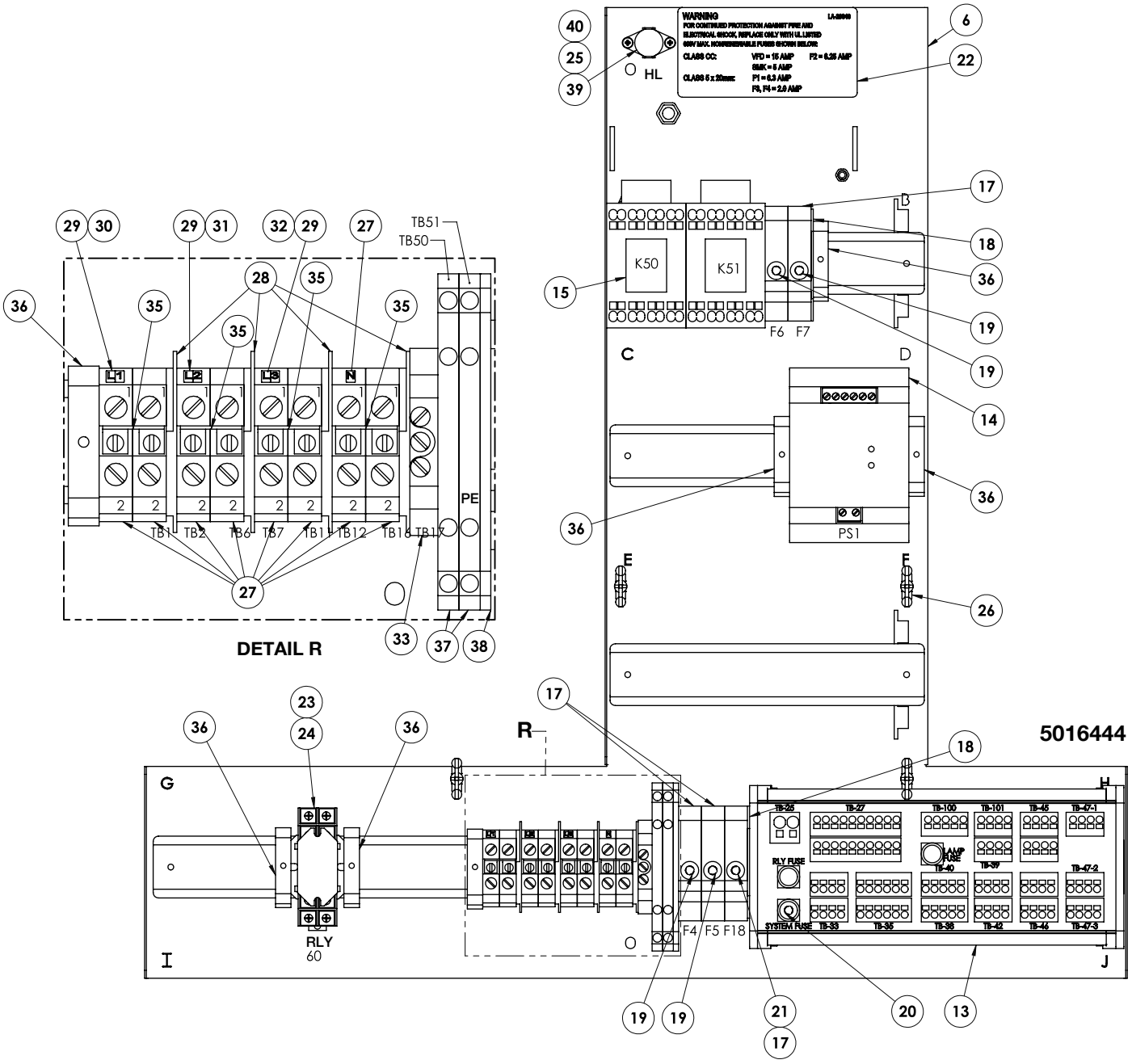
Item	Part	Description	Qty.
1	*–	WIRE ASSY, TT 208V, 380V, 440V	1
2	*–	WIRE ASSY, 6-10, 10-10, 7-20 G	1
3	*–	WIRE ASY, COMBI EB, E, G	1
4	*–	WIRE ASSY, ALL G, ALL VOLTAGE	1
5	*–	WIRE ASSY, 6-10, 10-10, 7-20	1
6	5015979	PANEL ASSY, ELECTRICAL CHASSIS	1
7	*–	WIRE ASSY, TT EB, E, G	1
8	*–	WIRE ASSY, TT EB, E, G ALL V	1
9	*–	WIRE ASSY, TT EB, E, G ALL V	1
10	*–	WIRE ASSEMBLY	1
11	*–	WIRING ASSEMBLY	1
12	*–	WIRE ASSEMBLY	1
13	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
14	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
15	CN-34304	CONTACTOR, 240V, 25A	2
16	*–	ENVELOPE, PRESS ON	1
17	FU-34771	FUSE HOLDER, 2 BANK	2
18	FU-34772	FUSE, 15 AMP	4
19	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
20	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1

Item	Part	Description	Qty.
21	–	LABEL, FUSE WARNING	1
22	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
23	RL-34634	UNIVERSAL MOUNTING SOCKET	1
24	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
25	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	4
26	TM-3779	TERMINAL BLOCK	6
27	TM-3785	PARTITION	3
28	TM-3788	TERMINALS, MARK, L	3
29	TM-3790	TERMINALS, MARK, 1	1
30	TM-3791	TERMINALS, MARK, 2	1
31	TM-3792	TERMINALS, MARK, 3	1
32	TM-3932	TERMINAL, GROUND	1
33	TM-33675	JUMPER STRIP	3
34	TM-34305	TERMINAL, SCREWLESS END	6
35	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
36	TM-34309	TERMINAL, END SECTION, SPRING	1
37	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
38	TM-34315	TERMINAL, END PLATE	1
39	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
40	WS-22299	WASHER, M3 SPLIT LOCK	2

*NOT SHOWN

PARTS INFORMATION

CTC6-10G, 380V



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CTC6-10G, 380V - CONTINUED

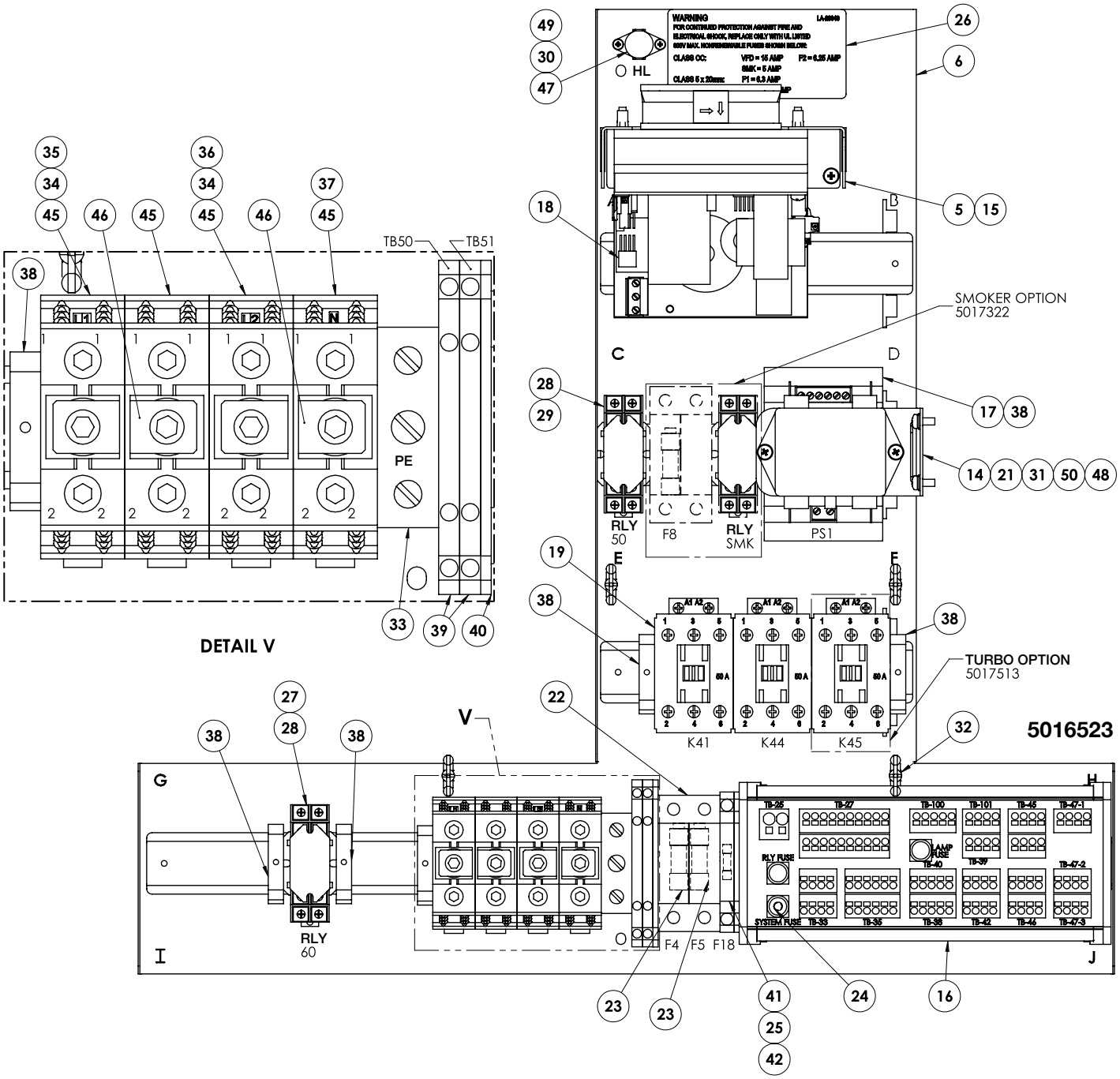
5016444

Item	Part	Description	Qty.
1	*–	WIRE ASSY, TT 208V, 380V, 440V	1
2	*–	WIRE ASSY, 6-10, 10-10, 7-20 G	1
3	*–	WIRE ASY, COMBI EB, E, G	1
4	*–	WIRE ASSY, ALL G, ALL VOLTAGE	1
5	*–	WIRE ASSY, 6-10, 10-10, 7-20	1
6	5015979	PANEL ASSY, ELECTRICAL CHASSIS	1
7	*–	WIRE ASSY, TT EB, E, G	1
8	*–	WIRE ASSY, TT EB, E, G ALL V	1
9	*–	WIRE ASSY, TT EB, E, G ALL V	1
10	*–	WIRE ASSEMBLY	1
11	*–	WIRING ASSEMBLY	1
12	*–	WIRE ASSEMBLY	1
13	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
14	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
15	CN-34304	CONTACTOR, 240V, 25A	2
16	*–	ENVELOPE, PRESS ON	1
17	FU-33451	FUSE, TERMINAL, 6.3A	5
18	FU-34749	FUSE, HOLDER COVER	2
19	FU-34921	FUSE, NEOZED, 15A	4
20	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
21	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1
22	–	LABEL, FUSE WARNING	1
23	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
24	RL-34634	UNIVERSAL MOUNTING SOCKET	1
25	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
26	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	4
27	TM-3779	TERMINAL BLOCK	8
28	TM-3785	PARTITION	4
29	TM-3788	TERMINALS, MARK, L	3
30	TM-3790	TERMINALS, MARK, 1	1
31	TM-3791	TERMINALS, MARK, 2	1
32	TM-3792	TERMINALS, MARK, 3	1
33	TM-3932	TERMINAL, GROUND	1
34	*TM-33479	TERMINALS, MARK, N	1
35	TM-33675	JUMPER STRIP	4
36	TM-34305	TERMINAL, SCREWLESS END	6
37	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
38	TM-34309	TERMINAL, END SECTION, SPRING	1
39	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
40	WS-22299	WASHER, M3 SPLIT LOCK	2

*NOT SHOWN

PARTS INFORMATION

CTP6-10E, 208V, 1PH



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CTP6-10E, 208V, 1PH - CONTINUED

5016523

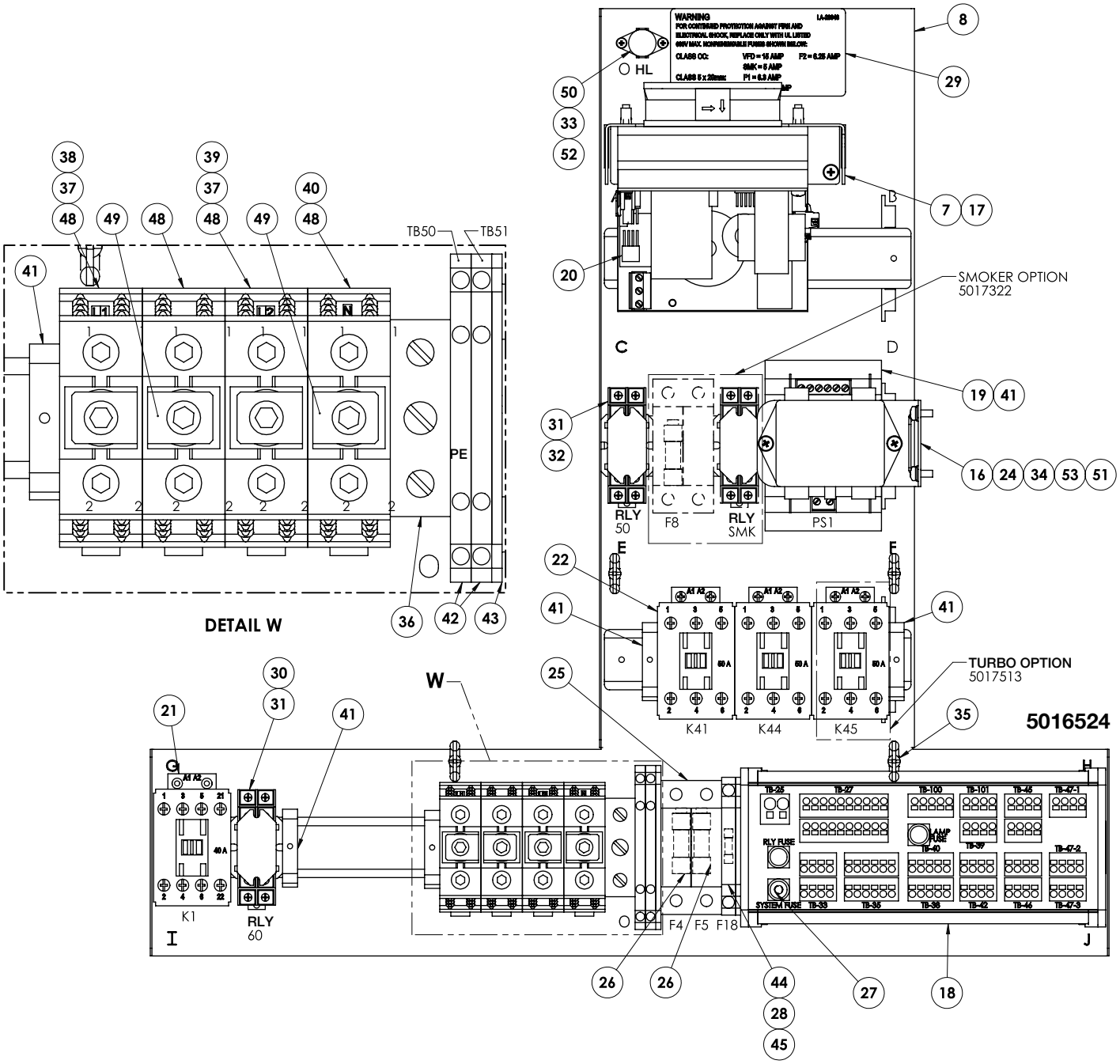
Item	Part	Description	Qty.
1	*–	WIRE ASSY, TT 208V, 380V, 440V	1
2	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
3	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
4	*–	WIRE ASSY, 6-10, 10-10, 7-20	1
5	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	1
6	5015979	PANEL ASSY, ELECTRICAL CHASSIS	1
7	*–	WIRE ASSY, TT EB, E, G	1
8	*–	WIRE ASSY, TT EB, E, G ALL V	1
9	*–	WIRE ASSY, TT EB, E, G ALL V	1
10	*–	WIRE ASSY, 6-10, 10-10, 7-20, 10-20 EB/E/G	1
11	*–	WIRE ASSEMBLY	1
12	*–	WIRING ASSEMBLY	1
13	*–	KIT, BROWNING VALVE MOTOR	1
14	5017026	BRACKET, FILTER LINE, ASSEMBLY	1
15	BA-34676	BOARD, VF MOTOR DRIVE	1
16	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
17	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
18	CB-35777	CABLE, CAN-FAN, 4 POLE	1
19	CN-3731	CONTACTOR, 50 AMP	2
20	*–	ENVELOPE, PRESS ON	1
21	FI-33225	FILTER LINE 115/250V 50/60HZ	1
22	FU-34771	FUSE HOLDER, 2 BANK	1
23	FU-34772	FUSE, 15 AMP	2
24	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
25	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1

Item	Part	Description	Qty.
26	–	LABEL, FUSE WARNING	1
27	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
28	RL-34634	UNIVERSAL MOUNTING SOCKET	2
29	RL-36100	RELAY, DPDT, 12VDC	1
30	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
31	SC-22273	SCREW, M4 x 0.7 x 10mm PAN	4
32	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	4
33	TM-3782	TERMINAL, GROUND, 35mm	1
34	TM-3788	TERMINALS, MARK, L	2
35	TM-3790	TERMINALS, MARK, 1	1
36	TM-3791	TERMINALS, MARK, 2	1
37	TM-33479	TERMINALS, MARK, N	1
38	TM-34305	TERMINAL, SCREWLESS END	6
39	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
40	TM-34309	TERMINAL, END SECTION, SPRING	1
41	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
42	TM-34315	TERMINAL, END PLATE	1
43	*TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	1
44	*TM-34905	TERMINAL, 4-POLE GREEN, MSTB	1
45	TM-36351	TERMINAL FEED THROUGH BLOCK	4
46	TM-36352	CROSS CONNECTOR WITH SCREWS	2
47	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
48	WS-22294	WASHER, FLAT M4 18-8 S/S	4
49	WS-22299	WASHER, M3 SPLIT LOCK	2
50	WS-22300	WASHER, M4 SPLIT LOCK	4

*NOT SHOWN

PARTS INFORMATION

CTP6-10EB, 208V, 1PH



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CTP6-10EB, 208V, 1PH - CONTINUED

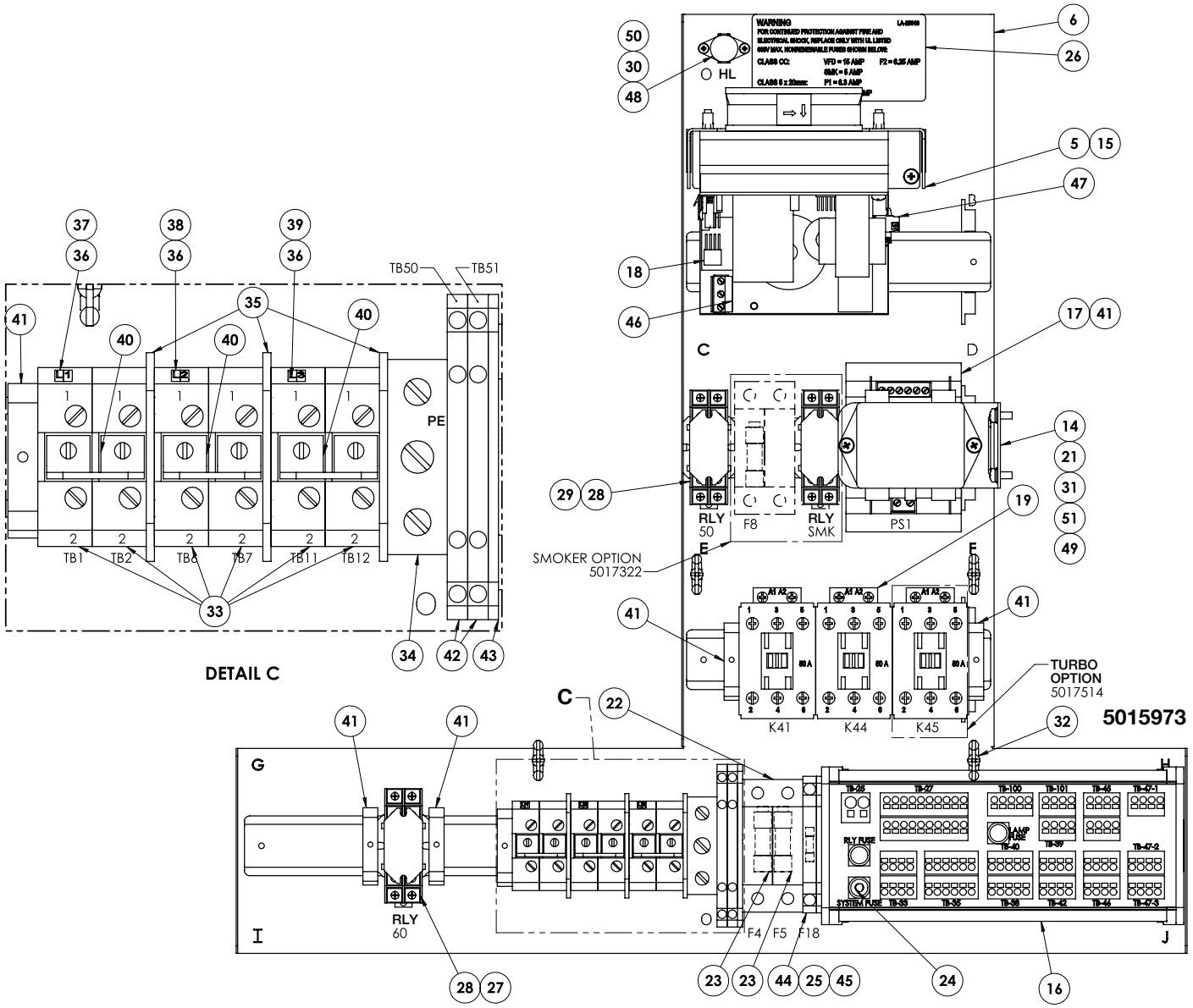
5016524

Item	Part	Description	Qty.
1	*5015346	WIRE ASSY, 6-10 EB 208V 1PH	1
2	*–	WIRE ASSY, TT 208V, 380V, 440V	1
3	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
4	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
5	*–	WIRE ASSY, 6-10, 10-10, 7-20 EB	1
6	*–	WIRE ASSY, 6-10, 10-10, 7-20	1
7	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	1
8	5015979	PANEL ASSY, ELECTRICAL CHASSIS	1
9	*–	WIRE ASSY, TT EB, E, G	1
10	*–	WIRE ASSY, TT EB, E, G ALL V	1
11	*–	WIRE ASSY, TT EB, E, G ALL V	1
12	*–	WIRE ASSY, 6-10, 10-10, 7-20, 10-20 EB/E/G	1
13	*–	WIRE ASSEMBLY	1
14	*–	WIRING ASSEMBLY	1
15	*–	KIT, BROWNING VALVE MOTOR	1
16	5017026	BRACKET, FILTER LINE, ASSEMBLY	1
17	BA-34676	BOARD, VF MOTOR DRIVE	1
18	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
19	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
20	CB-35777	CABLE, CAN-FAN, 4 POLE	1
21	CN-3654	CONTACTOR, 40A	1
22	*CN-3731	CONTACTOR, 50 AMP	2
23	–	ENVELOPE, PRESS ON	1
24	FI-33225	FILTER LINE 115/250V 50/60HZ	1
25	FU-34771	FUSE HOLDER, 2 BANK	1
26	FU-34772	FUSE, 15 AMP	2
27	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
28	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1
29	–	LABEL, FUSE WARNING	1
30	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
31	RL-34634	UNIVERSAL MOUNTING SOCKET	2
32	RL-36100	RELAY, DPDT, 12VDC	1
33	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
34	SC-22273	SCREW, M4 x 0.7 x 10mm PAN	4
35	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	4
36	TM-3782	TERMINAL, GROUND, 35mm	1
37	TM-3788	TERMINALS, MARK, L	2
38	TM-3790	TERMINALS, MARK, 1	1
39	TM-3791	TERMINALS, MARK, 2	1
40	TM-33479	TERMINALS, MARK, N	1
41	TM-34305	TERMINAL, SCREWLESS END	5
42	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
43	TM-34309	TERMINAL, END SECTION, SPRING	1
44	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
45	TM-34315	TERMINAL, END PLATE	1
46	*TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	1
47	*TM-34905	TERMINAL, 4-POLE GREEN, MSTB	1
48	TM-36351	TERMINAL FEED THROUGH BLOCK	4
49	TM-36352	CROSS CONNECTOR WITH SCREWS	2
50	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
51	WS-22294	WASHER, FLAT M4 18-8 S/S	4
52	WS-22299	WASHER, M3 SPLIT LOCK	2
53	WS-22300	WASHER, M4 SPLIT LOCK	4

*NOT SHOWN

PARTS INFORMATION

CTP6-10E, 208V, 3PH



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CTP6-10E, 208V, 3PH - CONTINUED

5015973

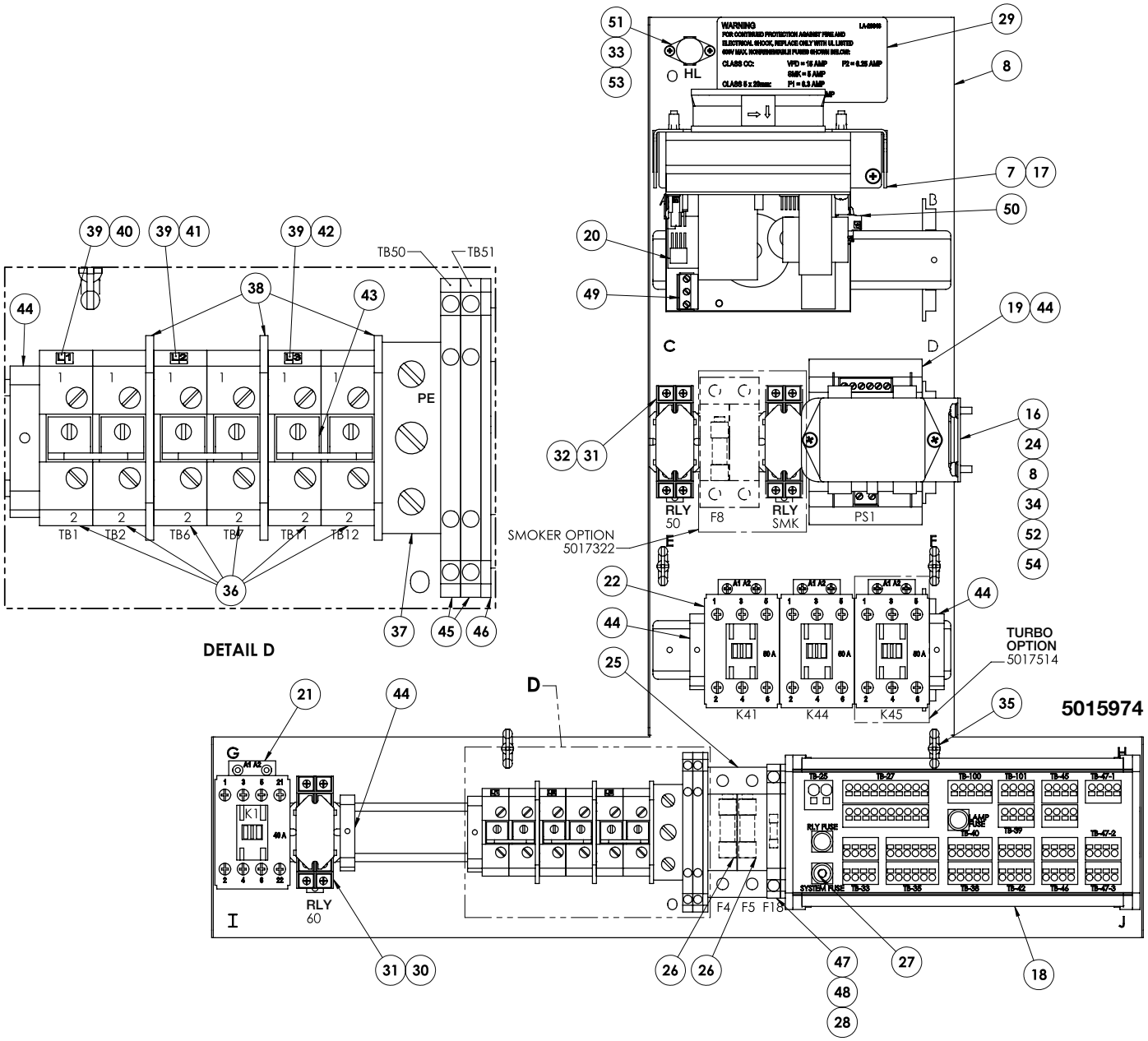
Item	Part	Description	Qty.
1	*–	WIRE ASSY, TT 208V, 380V, 440V	1
2	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
3	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
4	*–	WIRE ASSY, 6-10, 10-10, 7-20	1
5	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	1
6	5015979	PANEL ASSY, ELECTRICAL CHASSIS	1
7	*–	WIRE ASSY, TT EB, E, G	1
8	*–	WIRE ASSY, TT EB, E, G ALL V	1
9	*–	WIRE ASSY, TT EB, E, G ALL V	1
10	*–	WIRE ASSY, 6-10, 10-10, 7-20, 10-20 EB/E/G	1
11	*–	WIRE ASSEMBLY	1
12	*–	WIRING ASSEMBLY	1
13	*–	KIT, BROWNING VALVE MOTOR	1
14	5017026	BRACKET, FILTER LINE, ASSEMBLY	1
15	BA-34676	BOARD, VF MOTOR DRIVE	1
16	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
17	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
18	CB-35777	CABLE, CAN-FAN, 4 POLE	1
19	CN-3731	CONTACTOR, 50 AMP	2
20	*–	ENVELOPE, PRESS ON	1
21	FI-33225	FILTER LINE 115/250V 50/60HZ	1
22	FU-34771	FUSE HOLDER, 2 BANK	1
23	FU-34772	FUSE, 15 AMP	2
24	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
25	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1
26	–	LABEL, FUSE WARNING	1

Item	Part	Description	Qty.
27	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
28	RL-34634	UNIVERSAL MOUNTING SOCKET	2
29	RL-36100	RELAY, DPDT, 12VDC	1
30	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
31	SC-22273	SCREW, M4 x 0.7 x 10mm PAN	4
32	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	4
33	TM-3780	TERMINALS, 35mm	6
34	TM-3782	TERMINAL, GROUND, 35mm	1
35	TM-3786	TERMINAL, 35mm WALL, PART	3
36	TM-3788	TERMINALS, MARK, L	3
37	TM-3790	TERMINALS, MARK, 1	1
38	TM-3791	TERMINALS, MARK, 2	1
39	TM-3792	TERMINALS, MARK, 3	1
40	TM-33837	JUMPER STRIP	3
41	TM-34305	TERMINAL, SCREWLESS END	6
42	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
43	TM-34309	TERMINAL, END SECTION, SPRING	1
44	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
45	TM-34315	TERMINAL, END PLATE	1
46	TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	1
47	TM-34905	TERMINAL, 4-POLE GREEN, MSTB	1
48	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
49	WS-22294	WASHER, FLAT M4 18-8 S/S	4
50	WS-22299	WASHER, M3 SPLIT LOCK	2
51	WS-22300	WASHER, M4 SPLIT LOCK	4

*NOT SHOWN

PARTS INFORMATION

CTP6-10EB, 208V, 3PH



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CTP6-10EB, 208V, 3PH - CONTINUED

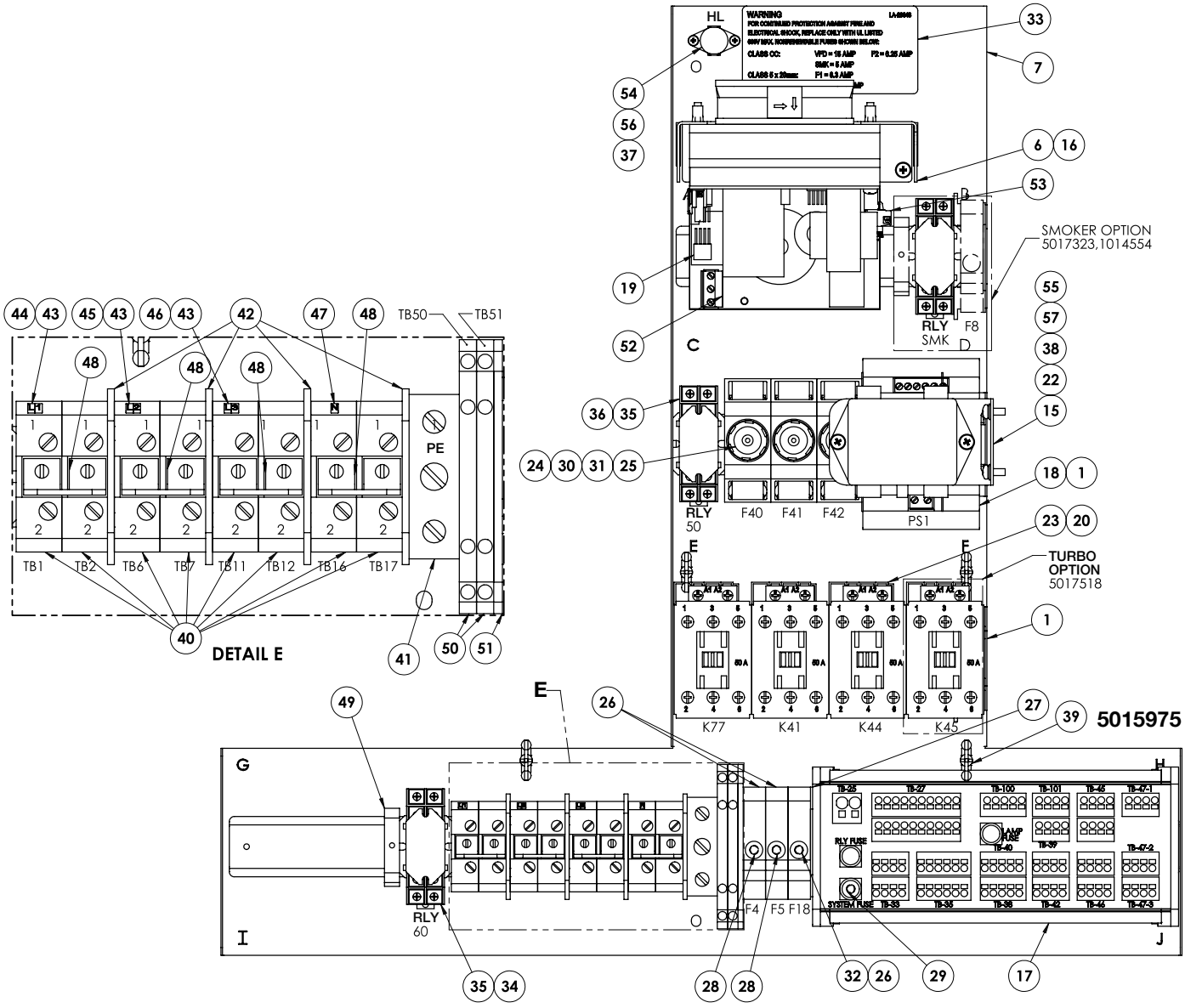
5015974

Item	Part	Description	Qty.
1	*5015343	WIRE ASSY, 6-10 EB 208V 3PH	1
2	*–	WIRE ASSY, TT 208V, 380V, 440V	1
3	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
4	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
5	*–	WIRE ASSY, 6-10, 10-10, 7-20 EB	1
6	*–	WIRE ASSY, 6-10, 10-10, 7-20	1
7	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	1
8	5015979	PANEL ASSY, ELECTRICAL CHASSIS	1
9	*–	WIRE ASSY, TT EB, E, G	1
10	*–	WIRE ASSY, TT EB, E, G ALL V	1
11	*–	WIRE ASSY, TT EB, E, G ALL V	1
12	*–	WIRE ASSY, 6-10, 10-10, 7-20, 10-20 EB/E/G	1
13	*–	WIRE ASSEMBLY	1
14	*–	WIRING ASSEMBLY	1
15	*–	KIT, BROWNING VALVE MOTOR	1
16	5017026	BRACKET, FILTER LINE, ASSEMBLY	1
17	BA-34676	BOARD, VF MOTOR DRIVE	1
18	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
19	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
20	CB-35777	CABLE, CAN-FAN, 4 POLE	1
21	CN-3654	CONTACTOR, 40A	1
22	CN-3731	CONTACTOR, 50 AMP	2
23	*–	ENVELOPE, PRESS ON	1
24	FI-33225	FILTER LINE 115/250V 50/60HZ	1
25	FU-34771	FUSE HOLDER, 2 BANK	1
26	FU-34772	FUSE, 15 AMP	2
27	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
28	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1
29	–	LABEL, FUSE WARNING	1
30	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
31	RL-34634	UNIVERSAL MOUNTING SOCKET	2
32	RL-36100	RELAY, DPDT, 12VDC	1
33	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
34	SC-22273	SCREW, M4 x 0.7 x 10mm PAN	4
35	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	4
36	TM-3780	TERMINALS, 35mm	6
37	TM-3782	TERMINAL, GROUND, 35mm	1
38	TM-3786	TERMINAL, 35mm WALL, PART	3
39	TM-3788	TERMINALS, MARK, L	3
40	TM-3790	TERMINALS, MARK, 1	1
41	TM-3791	TERMINALS, MARK, 2	1
42	TM-3792	TERMINALS, MARK, 3	1
43	TM-33837	JUMPER STRIP	3
44	TM-34305	TERMINAL, SCREWLESS END	5
45	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
46	TM-34309	TERMINAL, END SECTION, SPRING	1
47	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
48	TM-34315	TERMINAL, END PLATE	1
49	TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	1
50	TM-34905	TERMINAL, 4-POLE GREEN, MSTB	1
51	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
52	WS-22294	WASHER, FLAT M4 18-8 S/S	4
53	WS-22299	WASHER, M3 SPLIT LOCK	2
54	WS-22300	WASHER, M4 SPLIT LOCK	4

*NOT SHOWN

PARTS INFORMATION

CTP6-10E, 380V, 3PH



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CTP6-10E, 380V, 3PH - CONTINUED

5015975

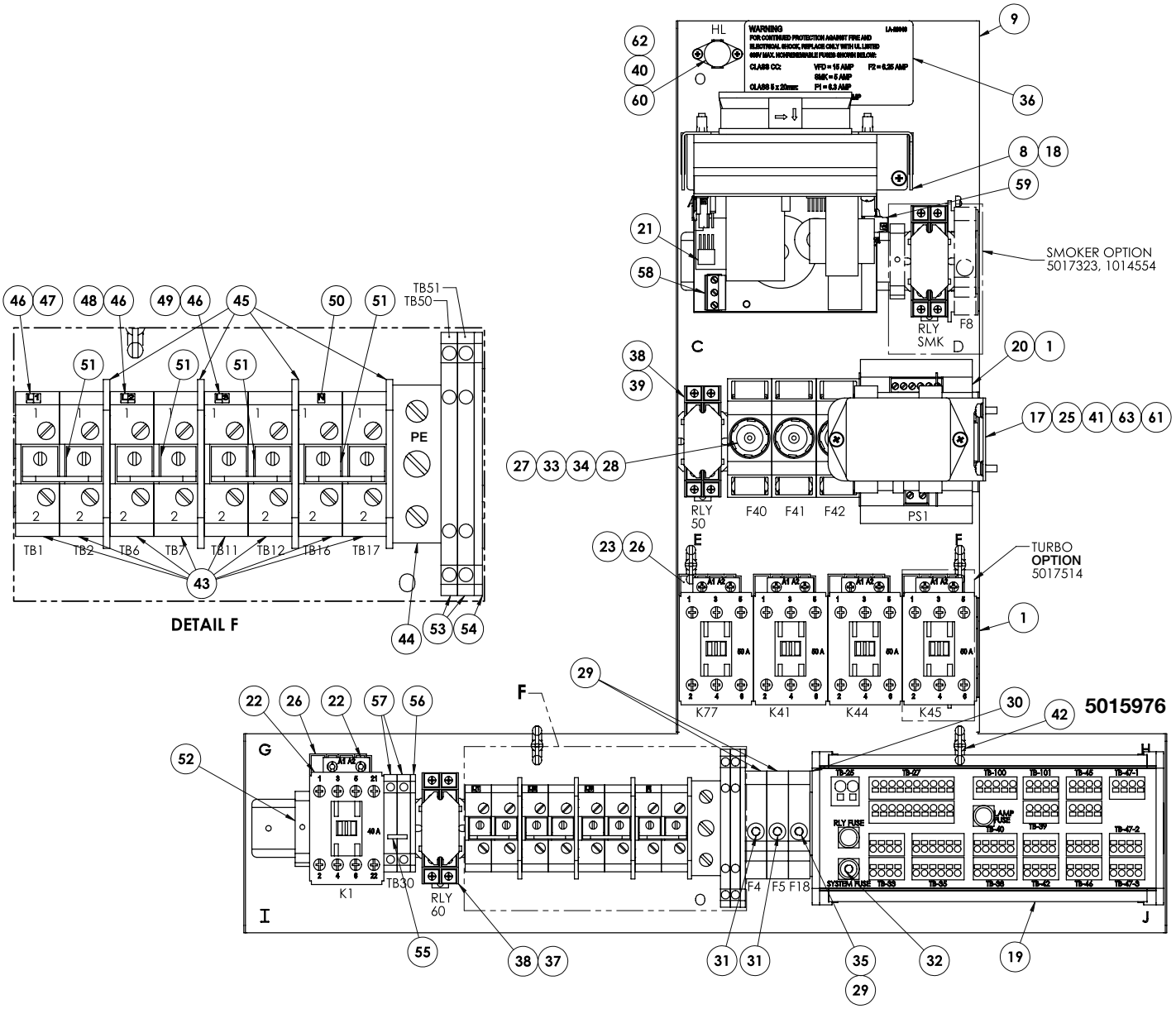
Item	Part	Description	Qty.
1	1014554	BRACKET, DIN STOP	2
2	*–	WIRE ASSY, TT 208V, 380V, 440V	1
3	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
4	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
5	*–	WIRE ASSY, 6-10, 10-10, 7-20	1
6	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	1
7	5015979	PANEL ASSY, ELECTRICAL CHASSIS	1
8	*–	WIRE ASSY, TT EB, E, G	1
9	*–	WIRE ASSY, TT EB, E, G ALL V	1
10	*–	WIRE ASSY, TT EB, E, G ALL V	1
11	*–	WIRE ASSY, 6-10, 10-10, 7-20, 10-20 EB/E/G	1
12	*–	WIRE ASSEMBLY	1
13	*–	WIRING ASSEMBLY	1
14	*–	KIT, BROWNING VALVE MOTOR	1
15	5017026	BRACKET, FILTER LINE, ASSEMBLY	1
16	BA-34676	BOARD, VF MOTOR DRIVE	1
17	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
18	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
19	CB-35777	CABLE, CAN-FAN, 4 POLE	1
20	CN-3731	CONTACTOR, 50 AMP	3
21	*–	ENVELOPE, PRESS ON	1
22	FI-33225	FILTER LINE 115/250V 50/60HZ	1
23	FI-33990	EMI FILTER	3
24	FU-33444	FUSE, DO2 NEOZED BASE & COVER	3
25	FU-33445	FUSE, DO2 NEOZED SCREW CAP	3
26	FU-33451	FUSE, TERMINAL, 6.3A	3
27	FU-34749	FUSE, HOLDER COVER	1
28	FU-34921	FUSE, NEOZED, 15A	2
29	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1

Item	Part	Description	Qty.
30	FU-35497	FUSE, DO2 NEOZED GAUGE RING 50A	3
31	FU-35850	FUSE, DO2 NEOZED 50A, WHITE	3
32	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1
33	–	LABEL, FUSE WARNING	1
34	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
35	RL-34634	UNIVERSAL MOUNTING SOCKET	2
36	RL-36100	RELAY, DPDT,12VDC	1
37	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
38	SC-22273	SCREW, M4 x 0.7 x 10mm PAN	4
39	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	4
40	TM-3780	TERMINALS, 35mm	8
41	TM-3782	TERMINAL, GROUND, 35mm	1
42	TM-3786	TERMINAL, 35mm WALL, PART	4
43	TM-3788	TERMINALS, MARK, L	3
44	TM-3790	TERMINALS, MARK, 1	1
45	TM-3791	TERMINALS, MARK, 2	1
46	TM-3792	TERMINALS, MARK, 3	1
47	TM-33479	TERMINALS, MARK, N	1
48	TM-33837	JUMPER STRIP	4
49	TM-34305	TERMINAL, SCREWLESS END	1
50	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
51	TM-34309	TERMINAL, END SECTION, SPRING	1
52	TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	1
53	TM-34905	TERMINAL, 4-POLE GREEN, MSTB	1
54	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
55	WS-22294	WASHER, FLAT M4 18-8 S/S	4
56	WS-22299	WASHER, M3 SPLIT LOCK	2
57	WS-22300	WASHER, M4 SPLIT LOCK	4

*NOT SHOWN

PARTS INFORMATION

CTP6-10EB, 380V, 3PH



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CTP6-10EB, 380V, 3PH - CONTINUED

5015976

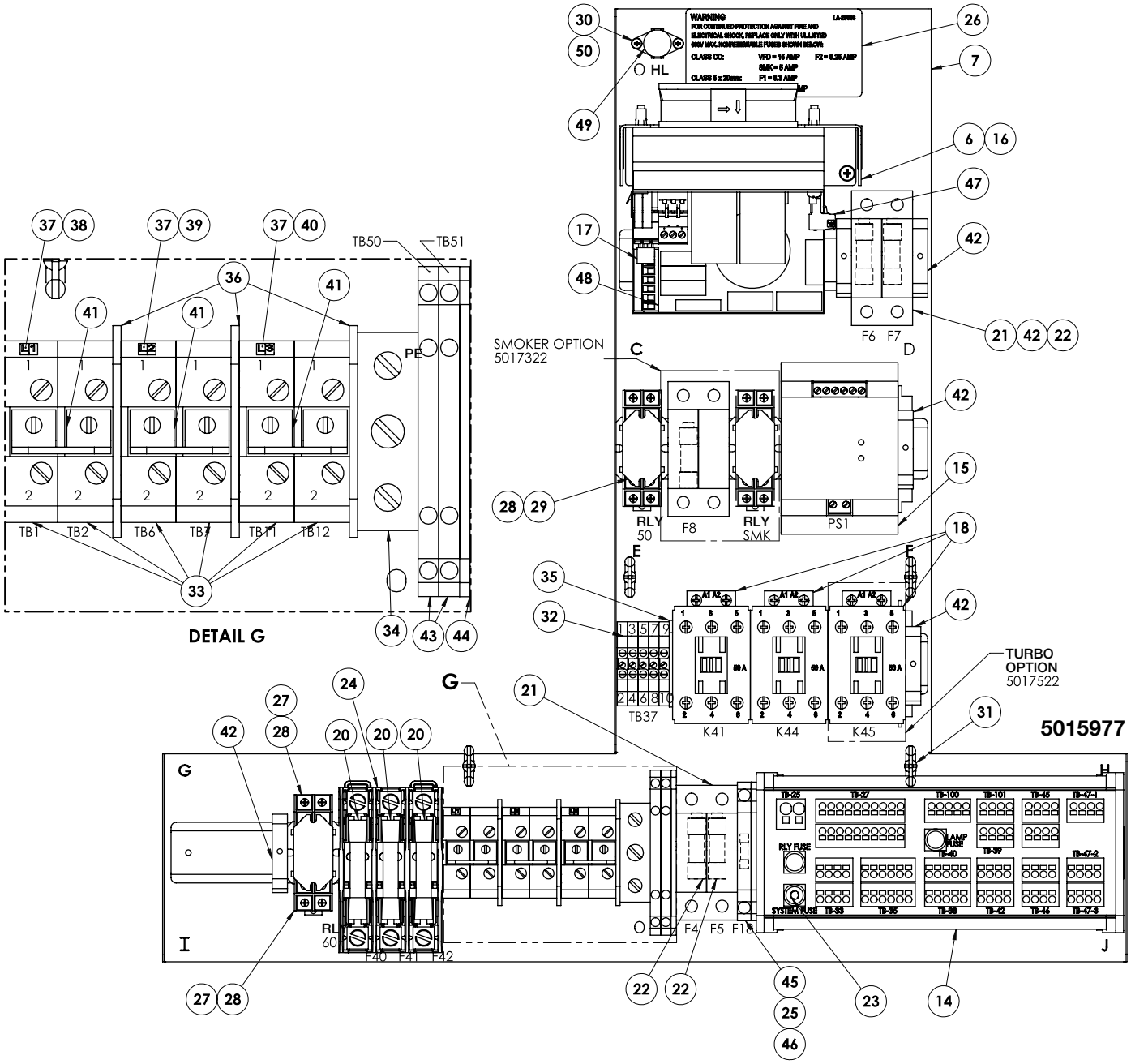
Item	Part	Description	Qty.
1	1014554	BRACKET, DIN STOP	2
2	*–	WIRE ASSY, TT 208V, 380V, 440V	1
3	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
4	*5015367	WIRE ASSY, 6-10 EB 380V	1
5	*–	WIRE ASSY, 6-10, 10-10,7-20 E	1
6	*–	WIRE ASSY, 6-10, 10-10, 7-20 EB	1
7	*–	WIRE ASSY, 6-10, 10-10, 7-20	1
8	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	1
9	5015979	PANEL ASSY, ELECTRICAL CHASSIS	1
10	*–	WIRE ASSY, TT EB, E, G	1
11	*–	WIRE ASSY, TT EB, E, G ALL V	1
12	*–	WIRE ASSY, TT EB, E, G ALL V	1
13	*–	WIRE ASSY, 6-10, 10-10, 7-20, 10-20 EB/E/G	1
14	*–	WIRE ASSEMBLY	1
15	*–	WIRING ASSEMBLY	1
16	*–	KIT, BROWNING VALVE MOTOR	1
17	5017026	BRACKET, FILTER LINE, ASSEMBLY	1
18	BA-34676	BOARD, VF MOTOR DRIVE	1
19	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
20	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
21	CB-35777	CABLE, CAN-FAN, 4 POLE	1
22	CN-3654	CONTACTOR, 40A	1
23	CN-3731	CONTACTOR, 50 AMP	3
24	*–	ENVELOPE, PRESS ON	1
25	FI-33225	FILTER LINE 115/250V 50/60HZ	1
26	FI-33990	EMI FILTER	4
27	FU-33444	FUSE, DO2 NEOZED BASE & COVER	3
28	FU-33445	FUSE, DO2 NEOZED SCREW CAP	3
29	FU-33451	FUSE, TERMINAL, 6.3A	3
30	FU-34749	FUSE, HOLDER COVER	1
31	FU-34921	FUSE, NEOZED, 15A	2
32	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1

Item	Part	Description	Qty.
33	FU-35497	FUSE, DO2 NEOZED GAUGE RING 50A	3
34	FU-35850	FUSE, DO2 NEOZED 50A, WHITE	3
35	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1
36	–	LABEL, FUSE WARNING	1
37	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
38	RL-34634	UNIVERSAL MOUNTING SOCKET	2
39	RL-36100	RELAY, DPDT, 12VDC	1
40	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
41	SC-22273	SCREW, M4 x 0.7 x 10mm PAN	4
42	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	4
43	TM-3780	TERMINALS, 35mm	8
44	TM-3782	TERMINAL, GROUND, 35mm	1
45	TM-3786	TERMINAL, 35mm WALL, PART	4
46	TM-3788	TERMINALS, MARK, L	3
47	TM-3790	TERMINALS, MARK, 1	1
48	TM-3791	TERMINALS, MARK, 2	1
49	TM-3792	TERMINALS, MARK, 3	1
50	TM-33479	TERMINALS, MARK, N	1
51	TM-33837	JUMPER STRIP	4
52	TM-34305	TERMINAL, SCREWLESS END	1
53	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
54	TM-34309	TERMINAL, END SECTION, SPRING	1
55	TM-34310	JUMPER BAR	1
56	TM-34437	PARTITION WALL, 1 POLE	1
57	TM-34438	TERMINAL, SPRING CLAMP, 1 POLE	2
58	TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	1
59	TM-34905	TERMINAL, 4-POLE GREEN, MSTB	1
60	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
61	WS-22294	WASHER, FLAT M4 18-8 S/S	4
62	WS-22299	WASHER, M3 SPLIT LOCK	2
63	WS-22300	WASHER, M4 SPLIT LOCK	4

*NOT SHOWN

PARTS INFORMATION

CTP6-10E, 440V, 3PH



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CTP6-10E, 440V, 3PH - CONTINUED

5015977

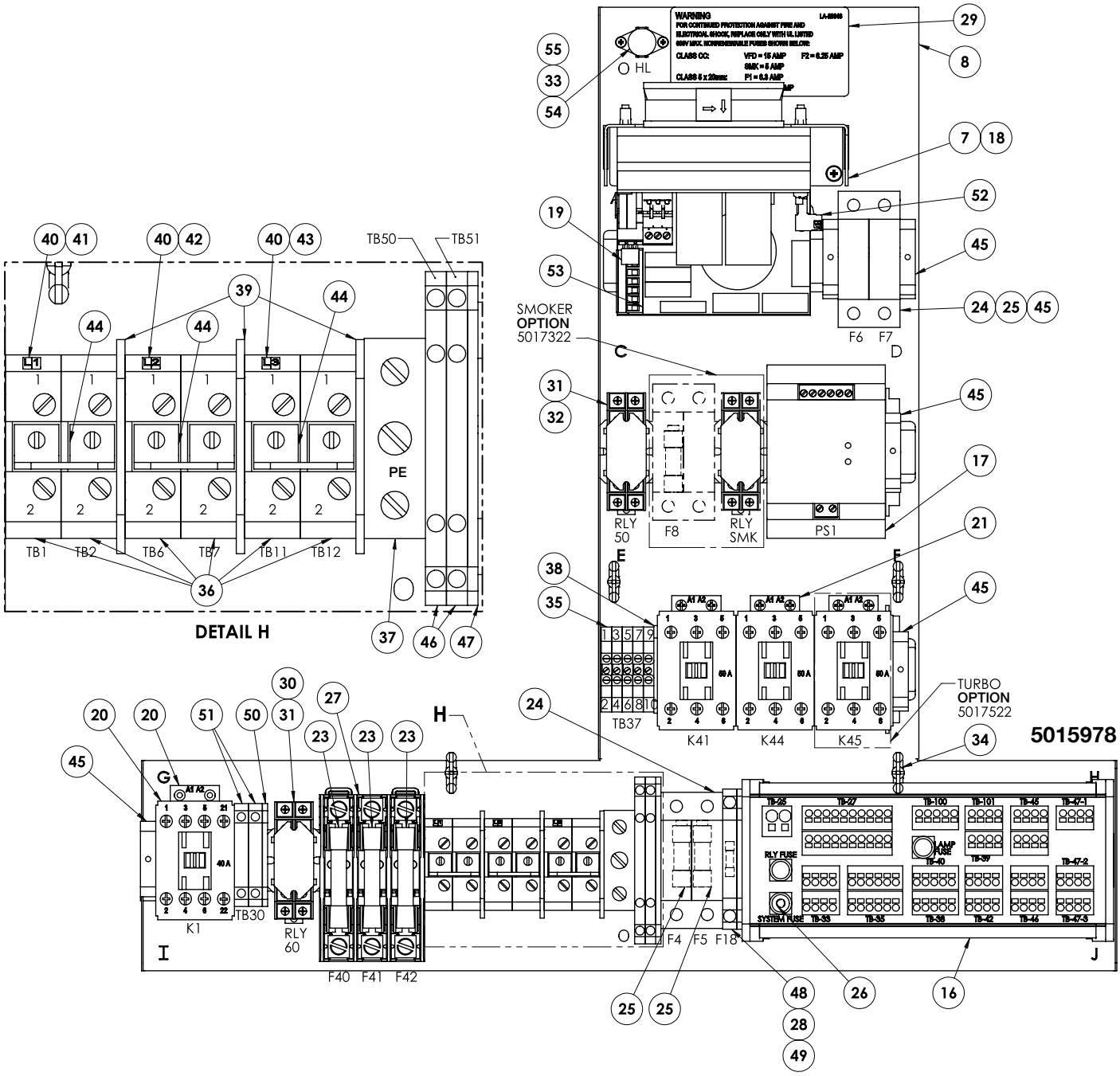
Item	Part	Description	Qty.
1	*–	WIRE ASSY, 6-10, 10-10, 7-20 EB	1
2	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
3	*–	WIRE ASSY, 440V POWER CVRSN	1
4	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
5	*–	WIRE ASSY, 6-10, 10-10, 7-20	1
6	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	1
7	5015979	PANEL ASSY, ELECTRICAL CHASSIS	1
8	*–	WIRE ASSY, TT EB, E, G	1
9	*–	WIRE ASSY, TT EB, E, G ALL V	1
10	*–	WIRE ASSY, TT EB, E, G ALL V	1
11	*–	WIRE ASSY, 6-10, 10-10, 7-20, 10-20 EB/E/G	1
12	*–	WIRING ASSEMBLY	1
13	*–	KIT, BROWNING VALVE MOTOR	1
14	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
15	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
16	BA-35776	BOARD, VF MOTOR DRIVE	1
17	CB-35777	CABLE, CAN-FAN, 4 POLE	1
18	CN-3731	CONTACTOR, 50 AMP	3
19	*–	ENVELOPE, PRESS ON	1
20	FU-33040	45A, MP, CLASS G, 480V MED. TIME-LAG	3
21	FU-34771	FUSE HOLDER, 2 BANK	2
22	FU-34772	FUSE, 15 AMP	4
23	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
24	FU-35728	FUSE HOLDER, 60 AMP 480V CLASS G	1
25	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1

Item	Part	Description	Qty.
26	–	LABEL, FUSE WARNING	1
27	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
28	RL-34634	UNIVERSAL MOUNTING SOCKET	2
29	RL-36100	RELAY, DPDT, 12VDC	1
30	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
31	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	4
32	TM-3778	TERMINALS, 4mm	5
33	TM-3780	TERMINALS, 35mm	6
34	TM-3782	TERMINAL, GROUND, 35mm	1
35	TM-3783	TERMINAL, WALL, 4mm	1
36	TM-3786	TERMINAL, 35mm WALL, PART	3
37	TM-3788	TERMINALS, MARK, L	3
38	TM-3790	TERMINALS, MARK, 1	1
39	TM-3791	TERMINALS, MARK, 2	1
40	TM-3792	TERMINALS, MARK, 3	1
41	TM-33837	JUMPER STRIP	3
42	TM-34305	TERMINAL, SCREWLESS END	5
43	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
44	TM-34309	TERMINAL, END SECTION, SPRING	1
45	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
46	TM-34315	TERMINAL, END PLATE	1
47	TM-34905	TERMINAL, 4-POLE GREEN, MSTB	1
48	TM-34937	TERMINAL, 7-POLE GREEN, MSTB	1
49	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
50	WS-22299	WASHER, M3 SPLIT LOCK	2

*NOT SHOWN

PARTS INFORMATION

CTP6-10EB, 440V, 3PH



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CTP6-10EB, 440V, 3PH - CONTINUED

5015978

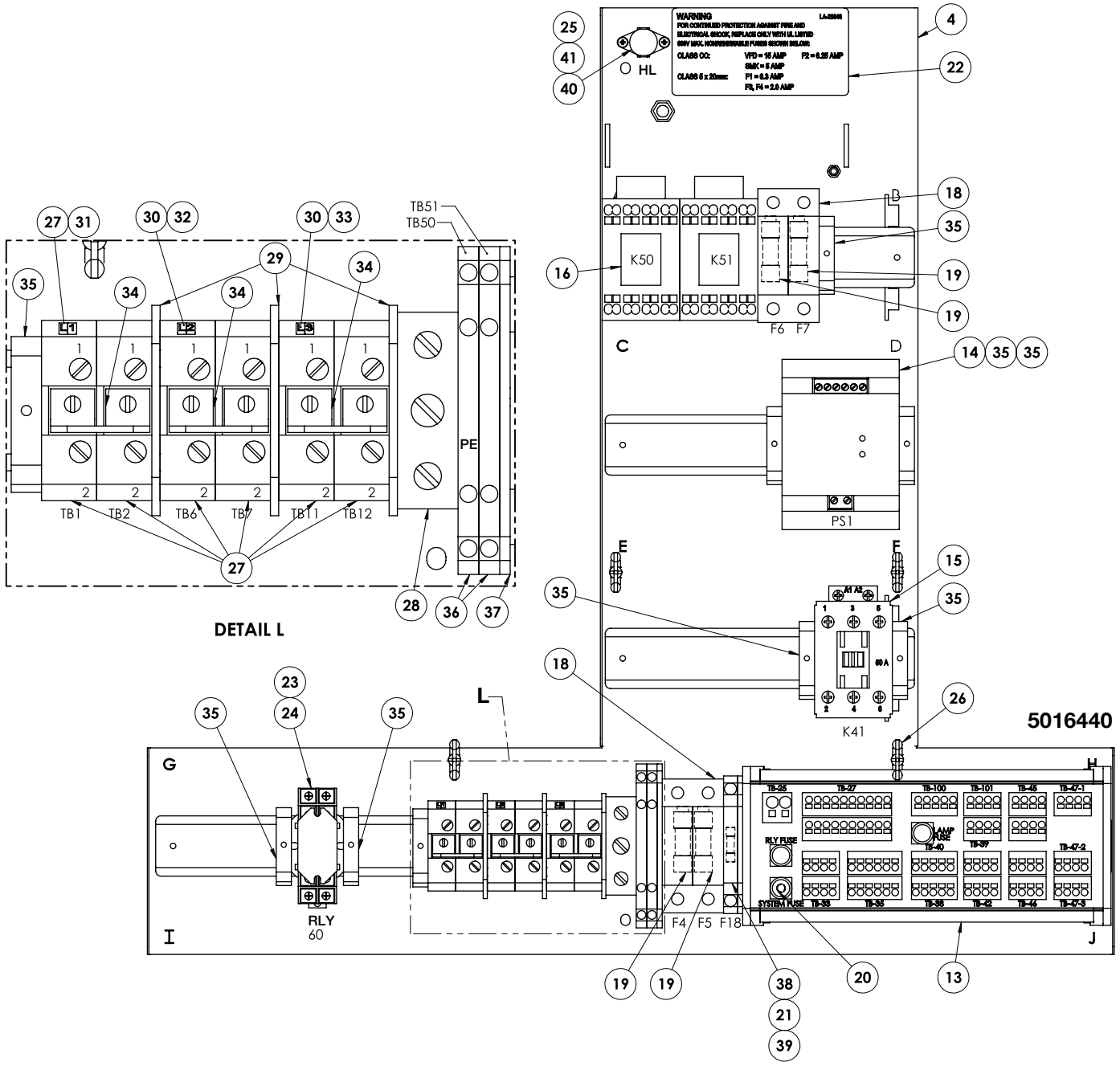
Item	Part	Description	Qty.
1	*–	WIRE ASSY, 6-10, 10-10, 7-20 EB	1
2	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
3	*–	WIRE ASSY, 440V POWER CVRSN	1
4	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
5	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
6	*–	WIRE ASSY, 6-10, 10-10, 7-20	1
7	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	1
8	5015979	PANEL ASSY, ELECTRICAL CHASSIS	1
9	*–	WIRE ASSY, TT EB, E, G	1
10	*–	WIRE ASSY, TT EB, E, G ALL V	1
11	*–	WIRE ASSY, TT EB, E, G ALL V	1
12	*5016513	WIRE ASSY, 6-10 EB 440V	1
13	*–	WIRE ASSY, 6-10, 10-10, 7-20, 10-20 EB/E/G	1
14	*–	WIRING ASSEMBLY	1
15	*–	KIT, BROWNING VALVE MOTOR	1
16	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
17	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
18	BA-35776	BOARD, VF MOTOR DRIVE	1
19	CB-35777	CABLE, CAN-FAN, 4 POLE	1
20	CN-3654	CONTACTOR, 40A	1
21	CN-3731	CONTACTOR, 50 AMP	2
22	*–	ENVELOPE, PRESS ON	1
23	FU-33040	45A, MP, CLASS G, 480V MED. TIME-LAG	3
24	FU-34771	FUSE HOLDER, 2 BANK	2
25	FU-34772	FUSE, 15 AMP	4
26	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
27	FU-35728	FUSE HOLDER, 60 AMP 480V CLASS G	1
28	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1

Item	Part	Description	Qty.
29	–	LABEL, FUSE WARNING	1
30	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
31	RL-34634	UNIVERSAL MOUNTING SOCKET	2
32	RL-36100	RELAY, DPDT, 12VDC	1
33	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
34	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	4
35	TM-3778	TERMINALS, 4mm	5
36	TM-3780	TERMINALS, 35mm	6
37	TM-3782	TERMINAL, GROUND, 35mm	1
38	TM-3783	TERMINAL, WALL, 4mm	1
39	TM-3786	TERMINAL, 35mm WALL, PART	3
40	TM-3788	TERMINALS, MARK, L	3
41	TM-3790	TERMINALS, MARK, 1	1
42	TM-3791	TERMINALS, MARK, 2	1
43	TM-3792	TERMINALS, MARK, 3	1
44	TM-33837	JUMPER STRIP	3
45	TM-34305	TERMINAL, SCREWLESS END	5
46	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
47	TM-34309	TERMINAL, END SECTION, SPRING	1
48	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
49	TM-34315	TERMINAL, END PLATE	1
50	TM-34437	PARTITION WALL, 1 POLE	1
51	TM-34438	TERMINAL, SPRING CLAMP, 1 POLE	2
52	TM-34905	TERMINAL, 4-POLE GREEN, MSTB	1
53	TM-34937	TERMINAL, 7-POLE GREEN, MSTB	1
54	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
55	WS-22299	WASHER, M3 SPLIT LOCK	2

*NOT SHOWN

PARTS INFORMATION

CTC6-10E, 208V, 3PH



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CTC6-10E, 208V, 3PH - CONTINUED

5016440

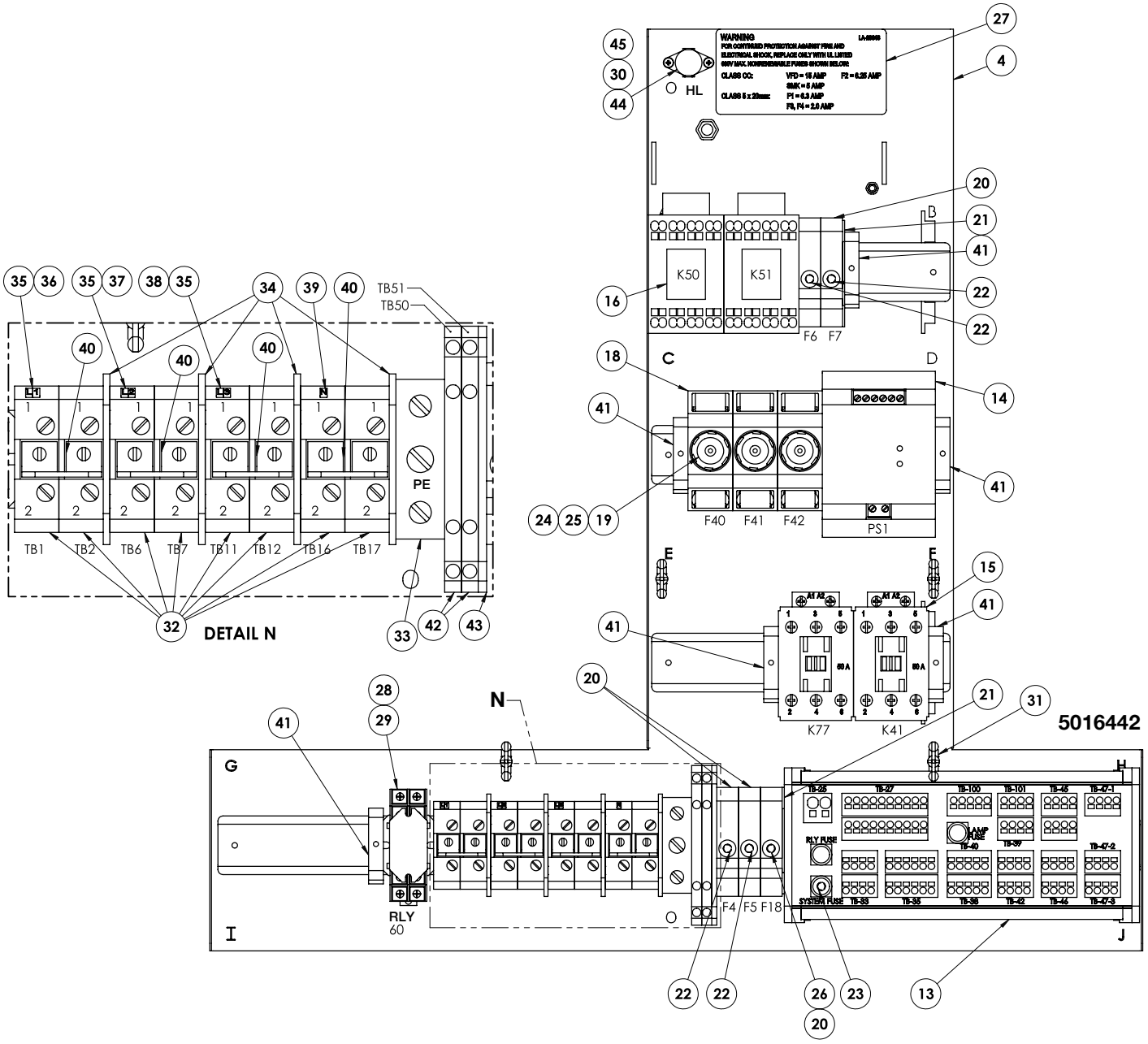
Item	Part	Description	Qty.
1	*–	WIRE ASSY, TT 208V, 380V, 440V	1
2	*–	WIRE ASY, COMBI EB, E, G	1
3	*–	WIRE ASSY, 6-10, 10-10, 7-20	1
4	5015979	PANEL ASSY, ELECTRICAL CHASSIS	1
5	*–	WIRE ASSY, TT EB, E, G	1
6	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
7	*–	WIRE ASSY, TT EB, E, G ALL V	1
8	*–	WIRE ASSY, TT EB, E, G ALL V	1
9	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
10	*–	WIRE ASSEMBLY	1
11	*–	WIRING ASSEMBLY	1
12	*–	WIRE ASSEMBLY	1
13	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
14	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
15	CN-3731	CONTACTOR, 50 AMP	1
16	CN-34304	CONTACTOR, 240V, 25A	2
17	*–	ENVELOPE, PRESS ON	1
18	FU-34771	FUSE HOLDER, 2 BANK	2
19	FU-34772	FUSE, 15 AMP	4
20	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
21	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1

Item	Part	Description	Qty.
22	–	LABEL, FUSE WARNING	1
23	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
24	RL-34634	UNIVERSAL MOUNTING SOCKET	1
25	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
26	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	4
27	TM-3780	TERMINALS, 35mm	6
28	TM-3782	TERMINAL, GROUND, 35mm	1
29	TM-3786	TERMINAL, 35mm WALL, PART	3
30	TM-3788	TERMINALS, MARK, L	3
31	TM-3790	TERMINALS, MARK, 1	1
32	TM-3791	TERMINALS, MARK, 2	1
33	TM-3792	TERMINALS, MARK, 3	1
34	TM-33837	JUMPER STRIP	3
35	TM-34305	TERMINAL, SCREWLESS END	8
36	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
37	TM-34309	TERMINAL, END SECTION, SPRING	1
38	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
39	TM-34315	TERMINAL, END PLATE	1
40	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
41	WS-22299	WASHER, M3 SPLIT LOCK	2

*NOT SHOWN

PARTS INFORMATION

CTC6-10E, 380V, 3PH



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CTC6-10E, 380V, 3PH - CONTINUED

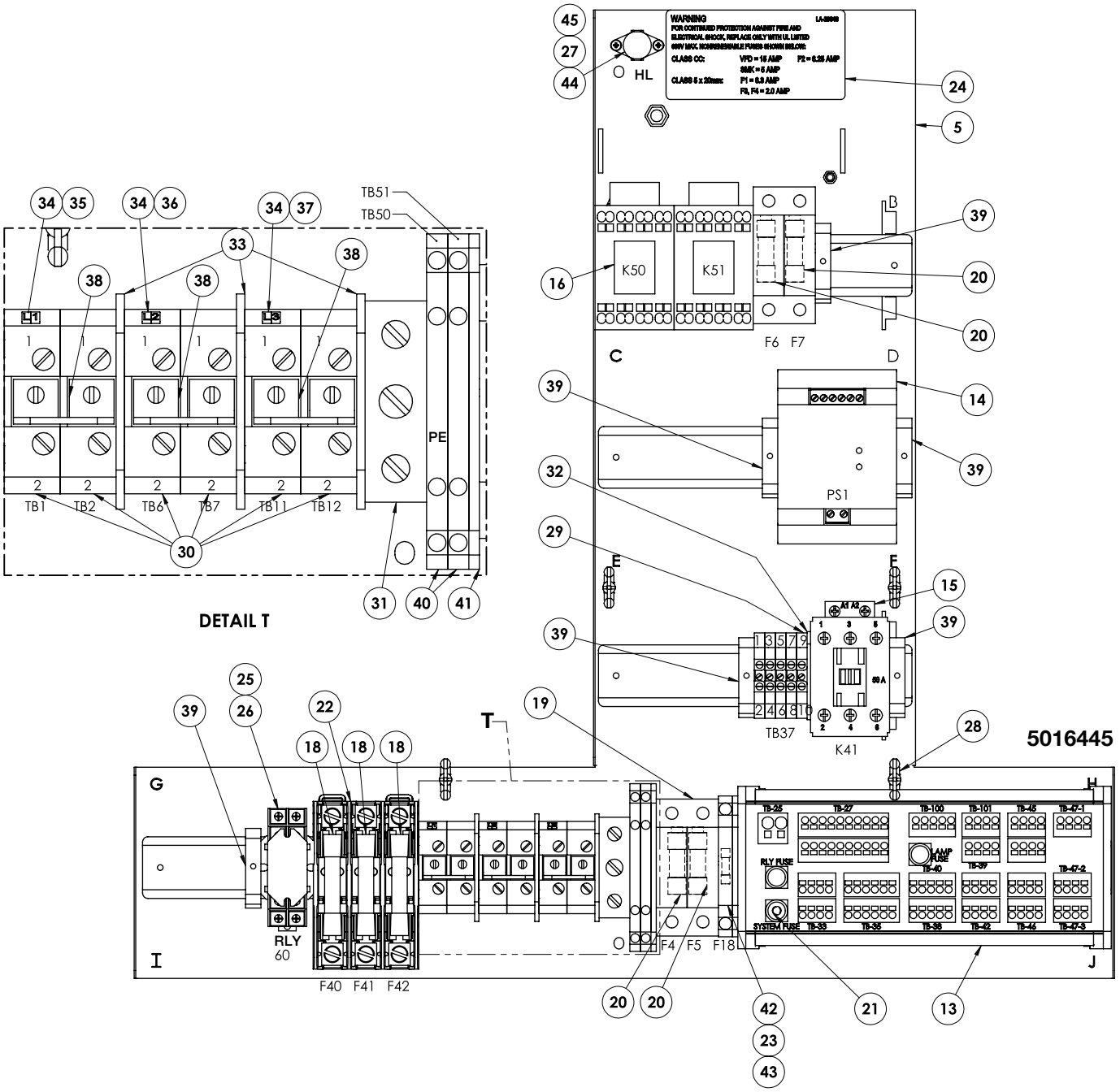
5016442

Item	Part	Description	Qty.
1	*–	WIRE ASSY, TT 208V, 380V, 440V	1
2	*–	WIRE ASY, COMBI EB, E, G	1
3	*–	WIRE ASSY, 6-10, 10-10, 7-20	1
4	5015979	PANEL ASSY, ELECTRICAL CHASSIS	1
5	*–	WIRE ASSY, TT EB, E, G	1
6	*–	WIRE ASSY, TT E 380V 3PH	1
7	*–	WIRE ASSY, TT EB, E, G ALL V	1
8	*–	WIRE ASSY, TT EB, E, G ALL V	1
9	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
10	*–	WIRE ASSEMBLY	1
11	*–	WIRING ASSEMBLY	1
12	*–	WIRE ASSEMBLY	1
13	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
14	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
15	CN-3731	CONTACTOR, 50 AMP	2
16	CN-34304	CONTACTOR, 240V, 25A	2
17	*–	ENVELOPE, PRESS ON	1
18	FU-33444	FUSE, DO2 NEOZED BASE & COVER	3
19	FU-33445	FUSE, DO2 NEOZED SCREW CAP	3
20	FU-33451	FUSE, TERMINAL, 6.3A	5
21	FU-34749	FUSE, HOLDER COVER	2
22	FU-34921	FUSE, NEOZED, 15A	4
23	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
24	FU-35497	FUSE, DO2 NEOZED GAUGE RING 50A	3
25	FU-35850	FUSE, DO2 NEOZED 50A, WHITE	3
26	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1
27	–	LABEL, FUSE WARNING	1
28	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
29	RL-34634	UNIVERSAL MOUNTING SOCKET	1
30	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
31	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	4
32	TM-3780	TERMINALS, 35mm	8
33	TM-3782	TERMINAL, GROUND, 35mm	1
34	TM-3786	TERMINAL, 35mm WALL, PART	4
35	TM-3788	TERMINALS, MARK, L	3
36	TM-3790	TERMINALS, MARK, 1	1
37	TM-3791	TERMINALS, MARK, 2	1
38	TM-3792	TERMINALS, MARK, 3	1
39	TM-33479	TERMINALS, MARK, N	1
40	TM-33837	JUMPER STRIP	4
41	TM-34305	TERMINAL, SCREWLESS END	6
42	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
43	TM-34309	TERMINAL, END SECTION, SPRING	1
44	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
45	WS-22299	WASHER, M3 SPLIT LOCK	2

*NOT SHOWN

PARTS INFORMATION

CTC6-10E, 440V, 3PH



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CTC6-10E, 440V, 3PH - CONTINUED

5016445

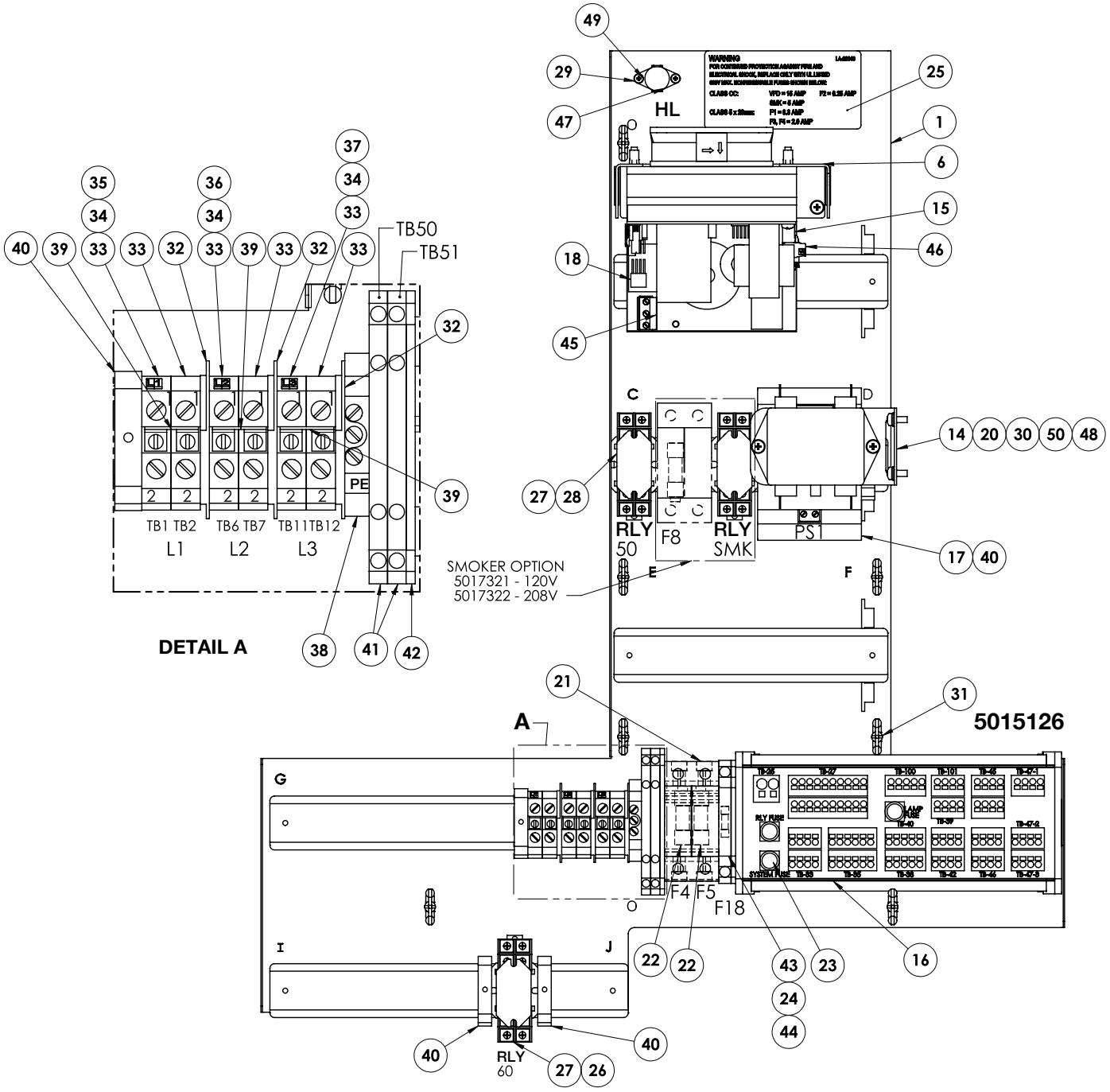
Item	Part	Description	Qty.
1	*–	WIRE ASSY, TT 208V, 380V, 440V	1
2	*–	WIRE ASSY, 440V POWER CVRSN	1
3	*–	WIRE ASY, COMBI EB, E, G	1
4	*–	WIRE ASSY, 6-10, 10-10, 7-20	1
5	5015979	PANEL ASSY, ELECTRICAL CHASSIS	1
6	*–	WIRE ASSY, TT EB, E, G	1
7	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
8	*–	WIRE ASSY, TT EB, E, G ALL V	1
9	*–	WIRE ASSY, TT EB, E, G ALL V	1
10	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
11	*–	WIRING ASSEMBLY	1
12	*–	WIRE ASSEMBLY	1
13	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
14	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
15	CN-3731	CONTACTOR, 50 AMP	1
16	CN-34304	CONTACTOR, 240V, 25A	2
17	*–	ENVELOPE, PRESS ON	1
18	FU-33040	45A, MP, CLASS G, 480V MED. TIME-LAG	3
19	FU-34771	FUSE HOLDER, 2 BANK	2
20	FU-34772	FUSE, 15 AMP	4
21	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
22	FU-35728	FUSE HOLDER, 60 AMP 480V CLASS G	1
23	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1

Item	Part	Description	Qty.
24	–	LABEL, FUSE WARNING	1
25	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
26	RL-34634	UNIVERSAL MOUNTING SOCKET	1
27	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
28	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	4
29	TM-3778	TERMINALS, 4mm	5
30	TM-3780	TERMINALS, 35mm	6
31	TM-3782	TERMINAL, GROUND, 35mm	1
32	TM-3783	TERMINAL, WALL, 4mm	1
33	TM-3786	TERMINAL, 35mm WALL, PART	3
34	TM-3788	TERMINALS, MARK, L	3
35	TM-3790	TERMINALS, MARK, 1	1
36	TM-3791	TERMINALS, MARK, 2	1
37	TM-3792	TERMINALS, MARK, 3	1
38	TM-33837	JUMPER STRIP	3
39	TM-34305	TERMINAL, SCREWLESS END	6
40	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
41	TM-34309	TERMINAL, END SECTION, SPRING	1
42	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
43	TM-34315	TERMINAL, END PLATE	1
44	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
45	WS-22299	WASHER, M3 SPLIT LOCK	2

*NOT SHOWN

PARTS INFORMATION

CTP10-10G, CTP7-20G, 120V/208V



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CTP10-10G, CTP7-20G, 120V/208V - CONTINUED

5015126

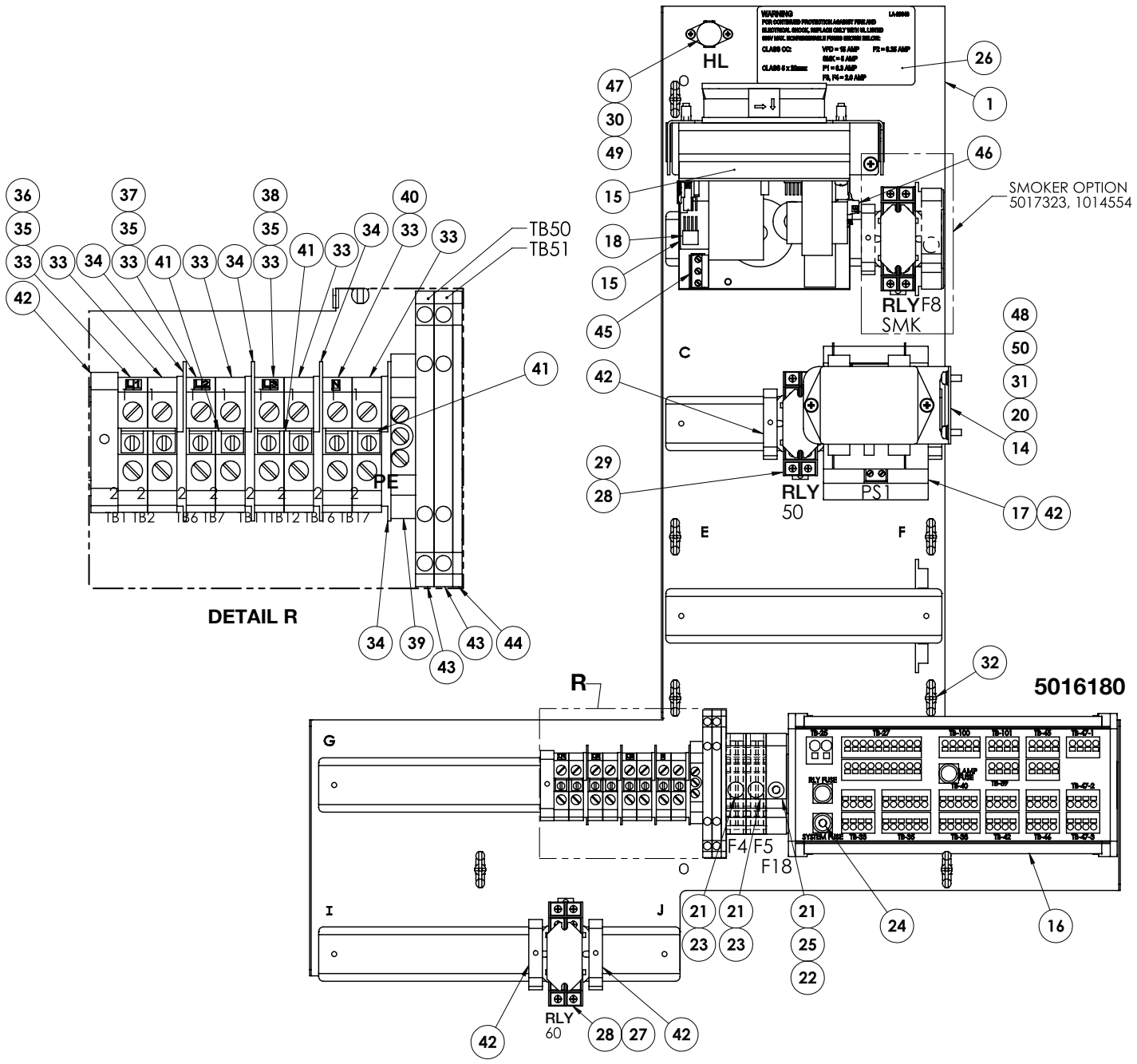
Item	Part	Description	Qty.
1	5014970	PANEL ASSY, ELECTRICAL CHASSIS	1
2	*–	WIRE ASSY, TT 208V, 380V, 440V	1
3	*–	WIRE ASSY, 6-10, 10-10, 7-20 G	1
4	*–	WIRE ASSY, ALL G, ALL VOLTAGE	1
5	*–	WIRE ASSY, 6-10, 10-10, 7-20	1
6	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	1
7	*–	WIRE ASSY, TT EB, E, G	1
8	*–	WIRE ASSY, TT EB, E, G ALL V	1
9	*–	WIRE ASSY, TT EB, E, G ALL V	1
10	*–	WIRE ASSY, 6-10, 10-10, 7-20, 10-20 EB/E/G	1
11	*–	WIRE ASSEMBLY	1
12	*–	WIRING ASSEMBLY	1
13	*–	KIT, BROWNING VALVE MOTOR	1
14	5017026	BRACKET, FILTER LINE, ASSEMBLY	1
15	BA-34676	BOARD, VF MOTOR DRIVE	1
16	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
17	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
18	CB-35777	CABLE, CAN-FAN, 4 POLE	1
19	*–	ENVELOPE, PRESS ON	1
20	FI-33225	FILTER LINE 115/250V 50/60HZ	1
21	FU-34771	FUSE HOLDER, 2 BANK	1
22	FU-34772	FUSE, 15 AMP	2
23	FU-35304	5 x 20mm, SLOW BLO, 8, 250V	1
24	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1
25	–	LABEL, FUSE WARNING	1

Item	Part	Description	Qty.
26	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
27	RL-34634	UNIVERSAL MOUNTING SOCKET	2
28	RL-36100	RELAY, DPDT, 12VDC	1
29	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
30	SC-22273	SCREW, M4 x 0.7 x 10mm PAN	4
31	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	7
32	TM-3785	PARTITION	3
33	TM-3779	TERMINAL BLOCK	6
34	TM-3788	TERMINALS, MARK, L	3
35	TM-3790	TERMINALS, MARK, 1	1
36	TM-3791	TERMINALS, MARK, 2	1
37	TM-3792	TERMINALS, MARK, 3	1
38	TM-3932	TERMINAL, GROUND	1
39	TM-33675	JUMPER STRIP	3
40	TM-34305	TERMINAL, SCREWLESS END4	4
41	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
42	TM-34309	TERMINAL, END SECTION, SPRING	1
43	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
44	TM-34315	TERMINAL, END PLATE	1
45	TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	1
46	TM-34905	TERMINAL, 4-POLE GREEN, MSTB	1
47	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
48	WS-22294	WASHER, FLAT M4 18-8 S/S	4
49	WS-22299	WASHER, M3 SPLIT LOCK	2
50	WS-22300	WASHER, M4 SPLIT LOCK	4

*NOT SHOWN

PARTS INFORMATION

CTP10-10G, CTP7-20G, 380V, 3PH



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CTP10-10G, CTP7-20G, 380V, 3PH - CONTINUED

5016180

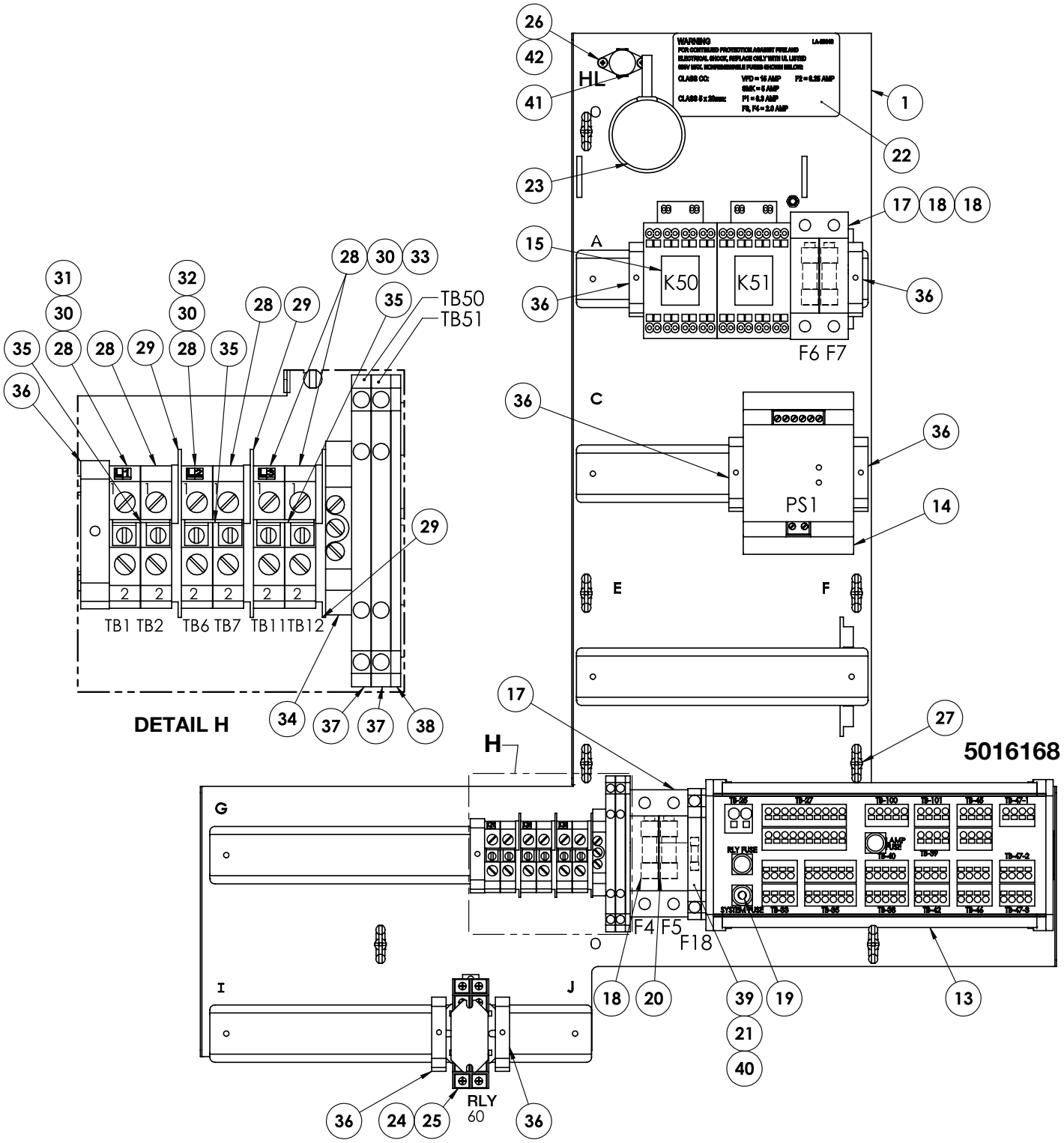
Item	Part	Description	Qty.
1	5014970	PANEL ASSY, ELECTRICAL CHASSIS	1
2	*–	WIRE ASSY, TT 208V, 380V, 440V	1
3	*–	WIRE ASSY, 6-10, 10-10, 7-20 G	1
4	*–	WIRE ASSY, ALL G, ALL VOLTAGE	1
5	*–	WIRE ASSY, 6-10, 10-10, 7-20	1
6	*5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	1
7	*–	WIRE ASSY, TT EB, E, G	1
8	*–	WIRE ASSY, TT EB, E, G ALL V	1
9	*–	WIRE ASSY, TT EB, E, G ALL V	1
10	*–	WIRE ASSY, 6-10, 10-10, 7-20, 10-20 EB/E/G	1
11	*–	WIRE ASSEMBLY	1
12	*–	WIRING ASSEMBLY	1
13	*–	KIT, BROWNING VALVE MOTOR	1
14	5017026	BRACKET, FILTER LINE, ASSEMBLY	1
15	BA-34676	BOARD, VF MOTOR DRIVE	1
16	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
17	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
18	CB-35777	CABLE, CAN-FAN, 4 POLE	1
19	*–	ENVELOPE, PRESS ON	1
20	FI-33225	FILTER LINE 115/250V 50/60HZ	1
21	FU-33451	FUSE, TERMINAL, 6.3A	3
22	FU-34749	FUSE, HOLDER COVER	1
23	FU-34921	FUSE, NEOZED, 15A	2
24	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
25	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1

Item	Part	Description	Qty.
26	–	LABEL, FUSE WARNING	1
27	RL-33930	RELAY, POWER, SPDT, 15A, 12V DC	1
28	RL-34634	UNIVERSAL MOUNTING SOCKET	2
29	RL-36100	RELAY, DPDT, 12VDC	1
30	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
31	SC-22273	SCREW, M4 x 0.7 x 10mm PAN	4
32	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	7
33	TM-3779	TERMINAL BLOCK	8
34	TM-3785	PARTITION	4
35	TM-3788	TERMINALS, MARK, L	3
36	TM-3790	TERMINALS, MARK, 1	1
37	TM-3791	TERMINALS, MARK, 2	1
38	TM-3792	TERMINALS, MARK, 3	1
39	TM-3932	TERMINAL, GROUND	1
40	TM-33479	TERMINALS, MARK, N	1
41	TM-33675	JUMPER STRIP	4
42	TM-34305	TERMINAL, SCREWLESS END	5
43	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
44	TM-34309	TERMINAL, END SECTION, SPRING	1
45	TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	1
46	TM-34905	TERMINAL, 4-POLE GREEN, MSTB	1
47	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
48	WS-22294	WASHER, FLAT M4 18-8 S/S	4
49	WS-22299	WASHER, M3 SPLIT LOCK	2
50	WS-22300	WASHER, M4 SPLIT LOCK	4

*NOT SHOWN

PARTS INFORMATION

CTC10-10G, CTC7-20G, 120V



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CTC10-10G, CTC7-20G, 120V - CONTINUED

5016168

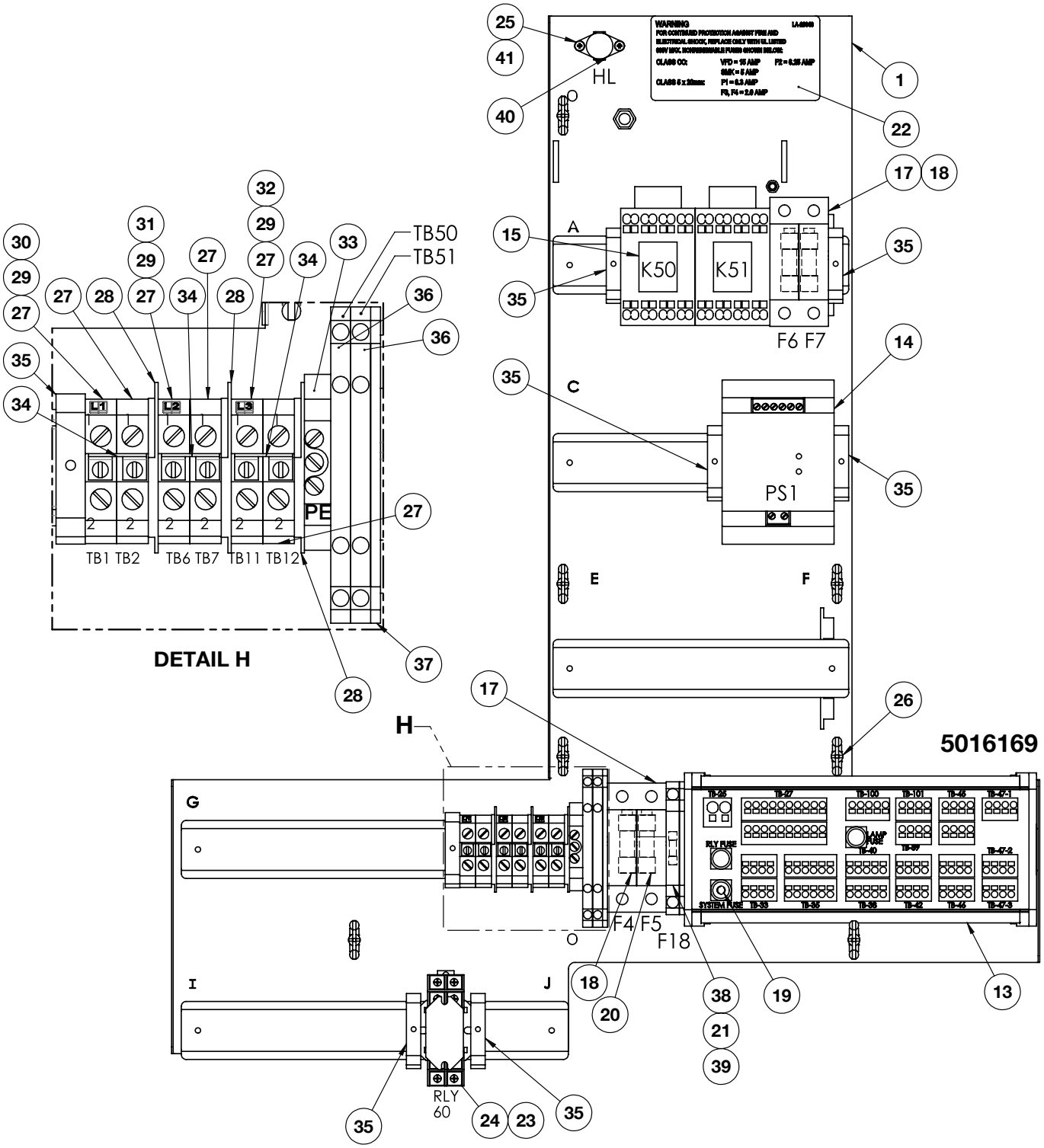
Item	Part	Description	Qty.
1	5014970	PANEL ASSY, ELECTRICAL CHASSIS	1
2	*–	WIRE ASSY, 6-10, 10-10, 7-20 G	1
3	*–	WIRE ASY, COMBI EB, E, G	1
4	*–	WIRE ASSY, ALL G, ALL VOLTAGE	1
5	*–	WIRE ASSY, 6-10, 10-10, 7-20	1
6	*–	WIRE ASSY, TT EB, E, G	1
7	*–	WIRE ASSY, TT EB,E, G ALL V	1
8	*–	WIRE ASSY, TT EB, E, G ALL V	1
9	*–	WIRE SET	1
10	*–	WIRE ASSEMBLY	1
11	*–	WIRING ASSEMBLY	1
12	*–	WIRE ASSEMBLY	1
13	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
14	BA-35693	BOARD,POWER SUPPLY 10-15VDC 8A	1
15	CN-34343	CONTACTOR, 120V, 25A	2
16	*–	ENVELOPE, PRESS ON	1
17	FU-34771	FUSE HOLDER, 2 BANK	2
18	FU-34772	FUSE, 15 AMP	3
19	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
20	FU-35475	FUSE, 8A	1
21	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1

Item	Part	Description	Qty.
22	–	LABEL, FUSE WARNING	1
23	MO-34393	CAPACITOR, MOTOR, 40 MFD, 240VAC	2
24	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
25	RL-34634	UNIVERSAL MOUNTING SOCKET	1
26	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
27	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	7
28	TM-3779	TERMINAL BLOCK	6
29	TM-3785	PARTITION	3
30	TM-3788	TERMINALS, MARK, L	3
31	TM-3790	TERMINALS, MARK, 1	1
32	TM-3791	TERMINALS, MARK, 2	1
33	TM-3792	TERMINALS, MARK, 3	1
34	TM-3932	TERMINAL, GROUND	1
35	TM-33675	JUMPER STRIP	3
36	TM-34305	TERMINAL, SCREWLESS END	7
37	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
38	TM-34309	TERMINAL, END SECTION, SPRING	1
39	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
40	TM-34315	TERMINAL, END PLATE	1
41	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
42	WS-22299	WASHER, M3 SPLIT LOCK	2

*NOT SHOWN

PARTS INFORMATION

CTC10-10G, CTC7-20G, 208V, 3PH



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CTC10-10G, CTC7-20G, 208V, 3PH - CONTINUED

5016169

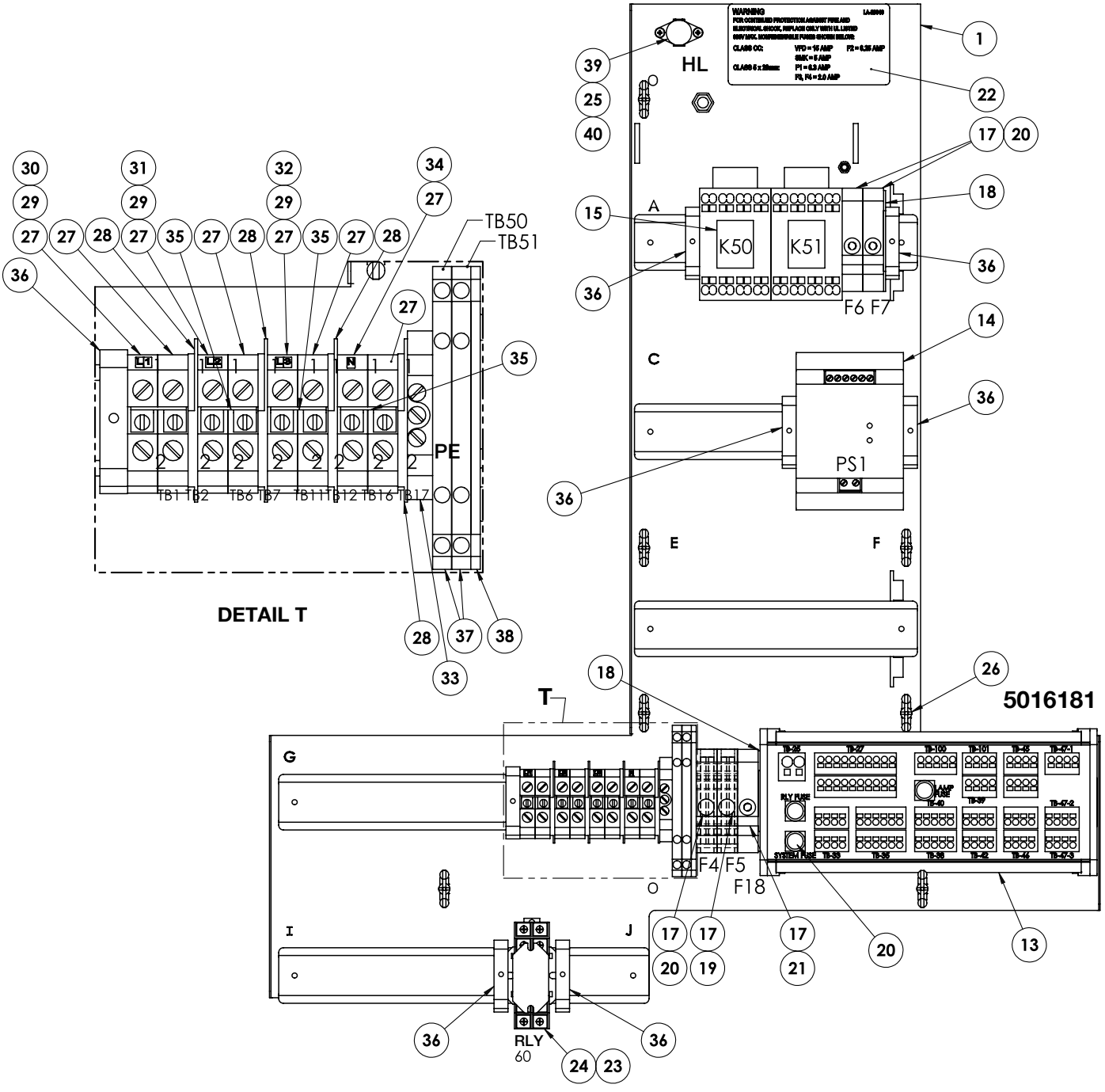
Item	Part	Description	Qty.
1	5014970	PANEL ASSY, ELECTRICAL CHASSIS	1
2	*–	WIRE ASSY, TT 208V, 380V, 440V	1
3	*–	WIRE ASSY, 6-10, 10-10, 7-20 G	1
4	*–	WIRE ASY, COMBI EB, E, G	1
5	*–	WIRE ASSY, ALL G, ALL VOLTAGE	1
6	*–	WIRE ASSY, 6-10, 10-10, 7-20	1
7	*–	WIRE ASSY, TT EB, E, G	1
8	*–	WIRE ASSY, TT EB, E, G ALL V	1
9	*–	WIRE ASSY, TT EB, E, G ALL V	1
10	*–	WIRE ASSEMBLY	1
11	*–	WIRING ASSEMBLY	1
12	*–	WIRE ASSEMBLY	1
13	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
14	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
15	CN-34304	CONTACTOR, 240V, 25A	2
16	*–	ENVELOPE, PRESS ON	1
17	FU-34771	FUSE HOLDER, 2 BANK	2
18	FU-34772	FUSE, 15 AMP	3
19	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
20	FU-35475	FUSE, 8A	1
21	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1

Item	Part	Description	Qty.
22	–	LABEL, FUSE WARNING	1
23	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
24	RL-34634	UNIVERSAL MOUNTING SOCKET	1
25	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
26	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	7
27	TM-3779	TERMINAL BLOCK	6
28	TM-3785	PARTITION	3
29	TM-3788	TERMINALS, MARK, L	3
30	TM-3790	TERMINALS, MARK, 1	1
31	TM-3791	TERMINALS, MARK, 2	1
32	TM-3792	TERMINALS, MARK, 3	1
33	TM-3932	TERMINAL, GROUND	1
34	TM-33675	JUMPER STRIP	3
35	TM-34305	TERMINAL, SCREWLESS END	7
36	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
37	TM-34309	TERMINAL, END SECTION, SPRING	1
38	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
39	TM-34315	TERMINAL, END PLATE	1
40	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
41	WS-22299	WASHER, M3 SPLIT LOCK	2

*NOT SHOWN

PARTS INFORMATION

CTC10-10G, CTC7-20G, 380V, 3PH



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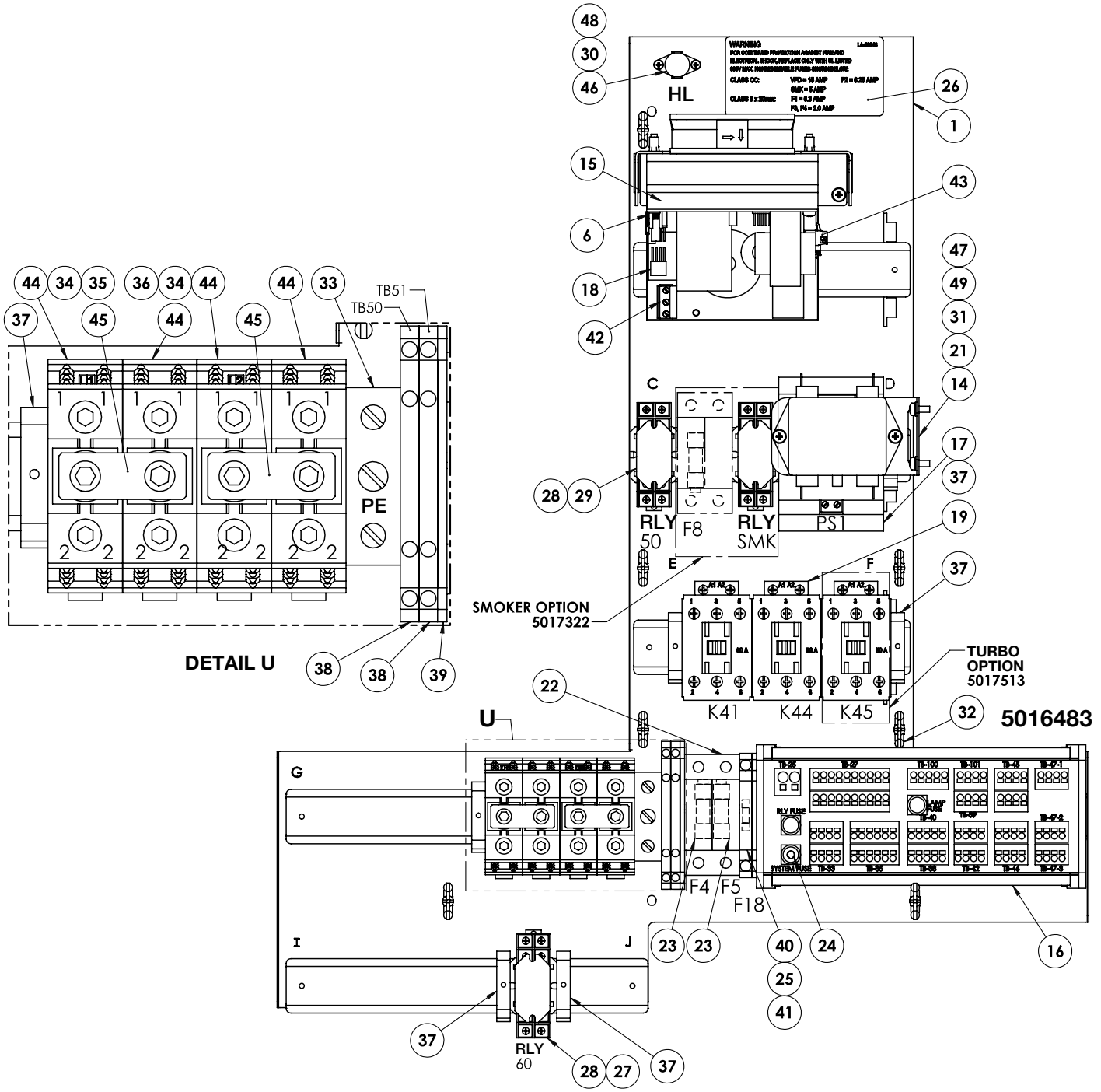
CTC10-10G, CTC7-20G, 380V, 3PH - CONTINUED

5016181

Item	Part	Description	Qty.
1	5014970	PANEL ASSY, ELECTRICAL CHASSIS	1
2	*–	WIRE ASSY, TT 208V, 380V, 440V	1
3	*–	WIRE ASSY, 6-10, 10-10, 7-20 G	1
4	*–	WIRE ASY, COMBI EB, E, G	1
5	*–	WIRE ASSY, ALL G, ALL VOLTAGE	1
6	*–	WIRE ASSY, 6-10, 10-10, 7-20	1
7	*–	WIRE ASSY, TT EB, E, G	1
8	*–	WIRE ASSY, TT EB, E, G ALL V	1
9	*–	WIRE ASSY, TT EB, E, G ALL V	1
10	*–	WIRE ASSEMBLY	1
11	*–	WIRING ASSEMBLY	1
12	*–	WIRE ASSEMBLY	1
13	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
14	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
15	CN-34304	CONTACTOR, 240V, 25A	2
16	*–	ENVELOPE, PRESS ON	1
17	FU-33451	FUSE, TERMINAL, 6.3A	5
18	FU-34749	FUSE, HOLDER COVER	2
19	FU-34921	FUSE, NEOZED, 15A	1
20	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	4

Item	Part	Description	Qty.
21	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1
22	–	LABEL, FUSE WARNING	1
23	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
24	RL-34634	UNIVERSAL MOUNTING SOCKET	1
25	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
26	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	7
27	TM-3779	TERMINAL BLOCK	8
28	TM-3785	PARTITION	4
29	TM-3788	TERMINALS, MARK, L	3
30	TM-3790	TERMINALS, MARK, 1	1
31	TM-3791	TERMINALS, MARK, 2	1
32	TM-3792	TERMINALS, MARK, 3	1
33	TM-3932	TERMINAL, GROUND	1
34	TM-33479	TERMINALS, MARK, N	1
35	TM-33675	JUMPER STRIP	4
36	TM-34305	TERMINAL, SCREWLESS END	7
37	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
38	TM-34309	TERMINAL, END SECTION, SPRING	1
39	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
40	WS-22299	WASHER, M3 SPLIT LOCK	2

*NOT SHOWN



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CTP10-10E, CTP7-20E, 240V 1PH - CONTINUED

5016483

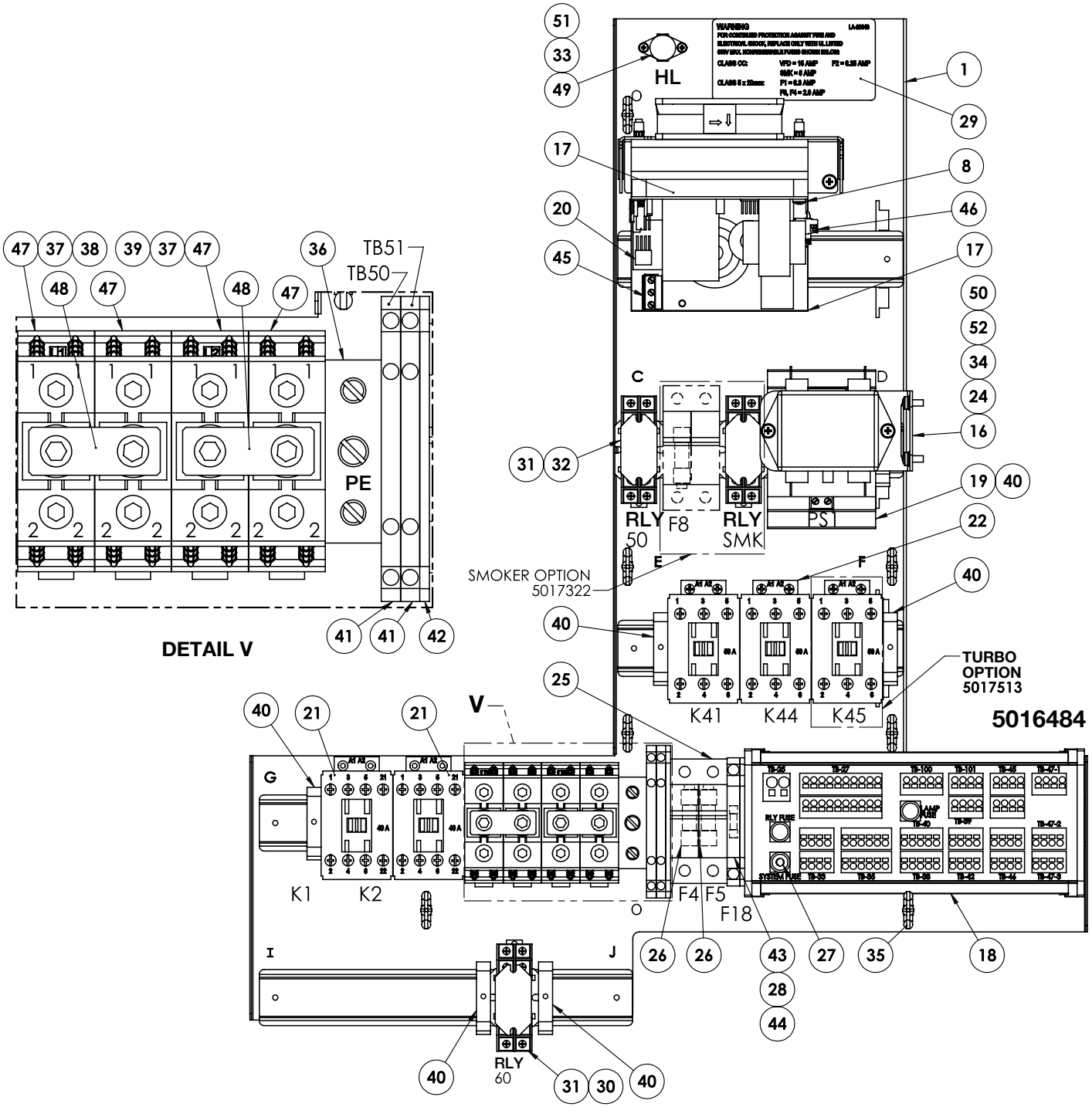
Item	Part	Description	Qty.
1	5014970	PANEL ASSY, ELECTRICAL CHASSIS	1
2	*–	WIRE ASSY, TT 208V, 380V, 440V	1
3	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
4	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
5	*–	WIRE ASSY, 6-10, 10-10, 7-20	1
6	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	1
7	*–	WIRE ASSY, TT EB, E, G	1
8	*–	WIRE ASSY, TT EB, E, G ALL V	1
9	*–	WIRE ASSY, TT EB, E, G ALL V	1
10	*–	WIRE ASSY, 6-10, 10-10, 7-20,10-20 EB/E/G	1
11	*–	WIRE ASSEMBLY	1
12	*–	WIRING ASSEMBLY	1
13	*–	KIT, BROWNING VALVE MOTOR	1
14	5017026	BRACKET, FILTER LINE, ASSEMBLY	1
15	BA-34676	BOARD, VF MOTOR DRIVE	1
16	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
17	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
18	CB-35777	CABLE, CAN-FAN, 4 POLE	1
19	CN-3731	CONTACTOR, 50 AMP	2
20	*–	ENVELOPE, PRESS ON	1
21	FI-33225	FILTER LINE 115/250V 50/60HZ	1
22	FU-34771	FUSE HOLDER, 2 BANK	1
23	FU-34772	FUSE, 15 AMP	2
24	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
25	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1

Item	Part	Description	Qty.
26	–	LABEL, FUSE WARNING	1
27	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
28	RL-34634	UNIVERSAL MOUNTING SOCKET	2
29	RL-36100	RELAY, DPDT, 12VDC	1
30	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
31	SC-22273	SCREW, M4 x 0.7 x 10mm PAN	4
32	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	7
33	TM-3782	TERMINAL, GROUND, 35mm	1
34	TM-3788	TERMINALS, MARK, L	2
35	*TM-3790	TERMINALS, MARK, 1	1
36	TM-3791	TERMINALS, MARK, 2	1
37	TM-34305	TERMINAL, SCREWLESS END	6
38	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
39	TM-34309	TERMINAL, END SECTION, SPRING	1
40	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
41	TM-34315	TERMINAL, END PLATE	1
42	TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	1
43	TM-34905	TERMINAL, 4-POLE GREEN, MSTB	1
44	TM-36351	TERMINAL FEED THROUGH BLOCK	4
45	TM-36352	CROSS CONNECTOR WITH SCREWS	2
46	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
47	WS-22294	WASHER, FLAT M4 18-8 S/S	4
48	WS-22299	WASHER, M3 SPLIT LOCK	2
49	WS-22300	WASHER, M4 SPLIT LOCK	4

*NOT SHOWN

PARTS INFORMATION

CTP10-10EB, CTP7-20EB, 240V, 1PH



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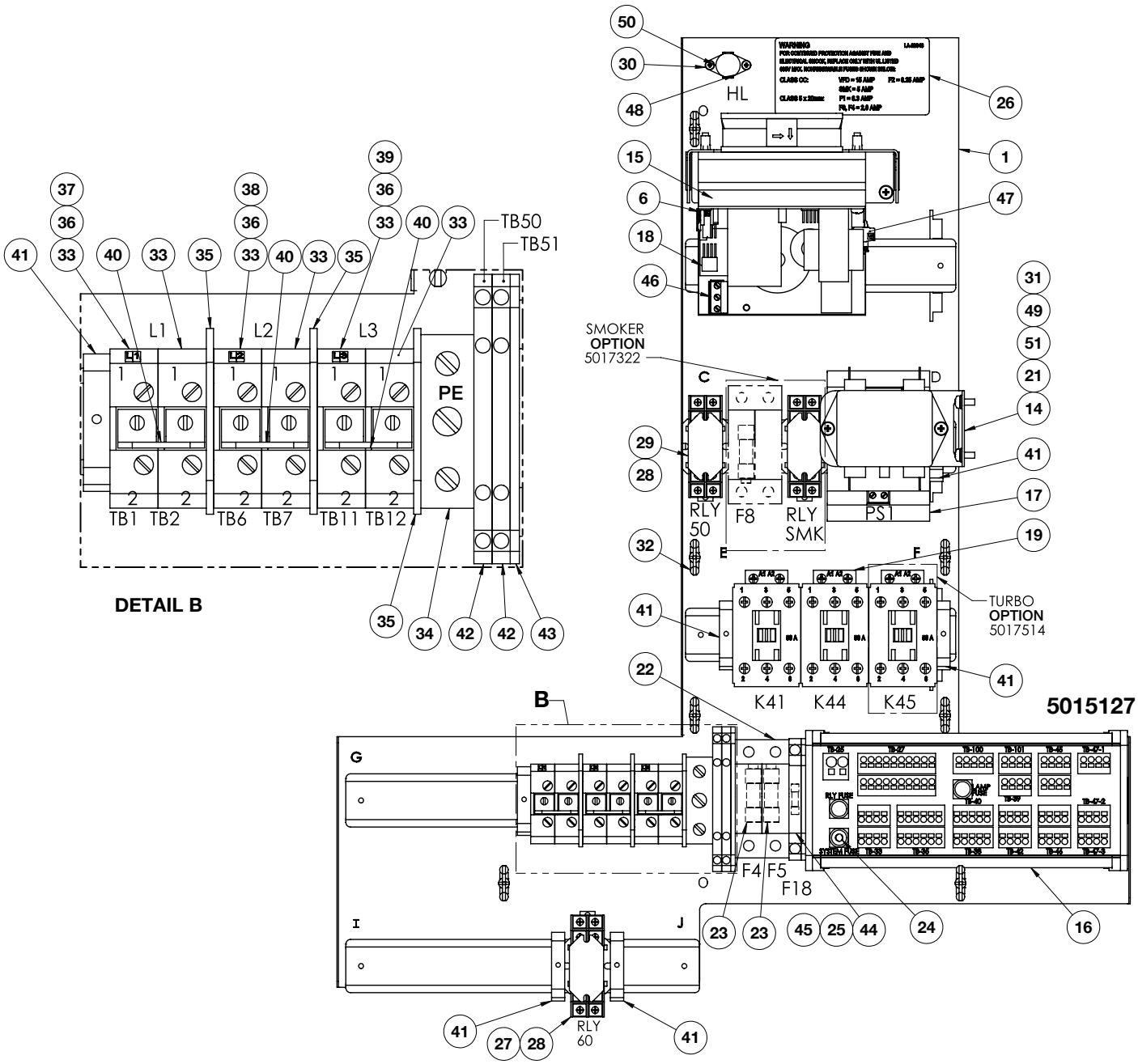
CTP10-10EB, CTP7-20EB, 240V, 1PH - CONTINUED

5016484

Item	Part	Description	Qty.
1	5014970	PANEL ASSY, ELECTRICAL CHASSIS	1
2	*–	WIRE ASSY, TT 208V, 380V, 440V	1
3	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
4	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
5	*5015377	WIRE ASSY, 10-10, 7-20 EB 208V	1
6	*–	WIRE ASSY, 6-10, 10-10, 7-20 EB	1
7	*–	WIRE ASSY, 6-10, 10-10, 7-20	1
8	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	1
9	*–	WIRE ASSY, TT EB, E, G	1
10	*–	WIRE ASSY, TT EB, E, G ALL V	1
11	*–	WIRE ASSY, TT EB, E, G ALL V	1
12	*–	WIRE ASSY, 6-10, 10-10, 7-20, 10-20 EB/E/G	1
13	*–	WIRE ASSEMBLY	1
14	*–	WIRING ASSEMBLY	1
15	*–	KIT, BROWNING VALVE MOTOR	1
16	5017026	BRACKET, FILTER LINE, ASSEMBLY	1
17	BA-34676	BOARD, VF MOTOR DRIVE	1
18	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
19	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
20	CB-35777	CABLE, CAN-FAN, 4 POLE	1
21	CN-3654	CONTACTOR, 40A	2
22	CN-3731	CONTACTOR, 50 AMP	2
23	*–	ENVELOPE, PRESS ON	1
24	FI-33225	FILTER LINE 115/250V 50/60HZ	1
25	FU-34771	FUSE HOLDER, 2 BANK	1
26	FU-34772	FUSE, 15 AMP	2

Item	Part	Description	Qty.
27	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
28	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1
29	–	LABEL, FUSE WARNING	1
30	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
31	RL-34634	UNIVERSAL MOUNTING SOCKET	2
32	RL-36100	RELAY, DPDT, 12VDC	1
33	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
34	SC-22273	SCREW, M4 x 0.7 x 10mm PAN	4
35	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	7
36	TM-3782	TERMINAL, GROUND, 35mm	1
37	TM-3788	TERMINALS, MARK, L	2
38	TM-3790	TERMINALS, MARK, 1	1
39	TM-3791	TERMINALS, MARK, 2	1
40	TM-34305	TERMINAL, SCREWLESS END	6
41	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
42	TM-34309	TERMINAL, END SECTION, SPRING	1
43	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
44	TM-34315	TERMINAL, END PLATE	1
45	TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	1
46	TM-34905	TERMINAL, 4-POLE GREEN, MSTB	1
47	TM-36351	TERMINAL FEED THROUGH BLOCK	4
48	TM-36352	CROSS CONNECTOR WITH SCREWS	2
49	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
50	WS-22294	WASHER, FLAT M4 18-8 S/S	4
51	WS-22299	WASHER, M3 SPLIT LOCK	2
52	WS-22300	WASHER, M4 SPLIT LOCK	4

*NOT SHOWN



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CTP10-10E, CTP7-20E, 240V, 3PH - CONTINUED

5015127

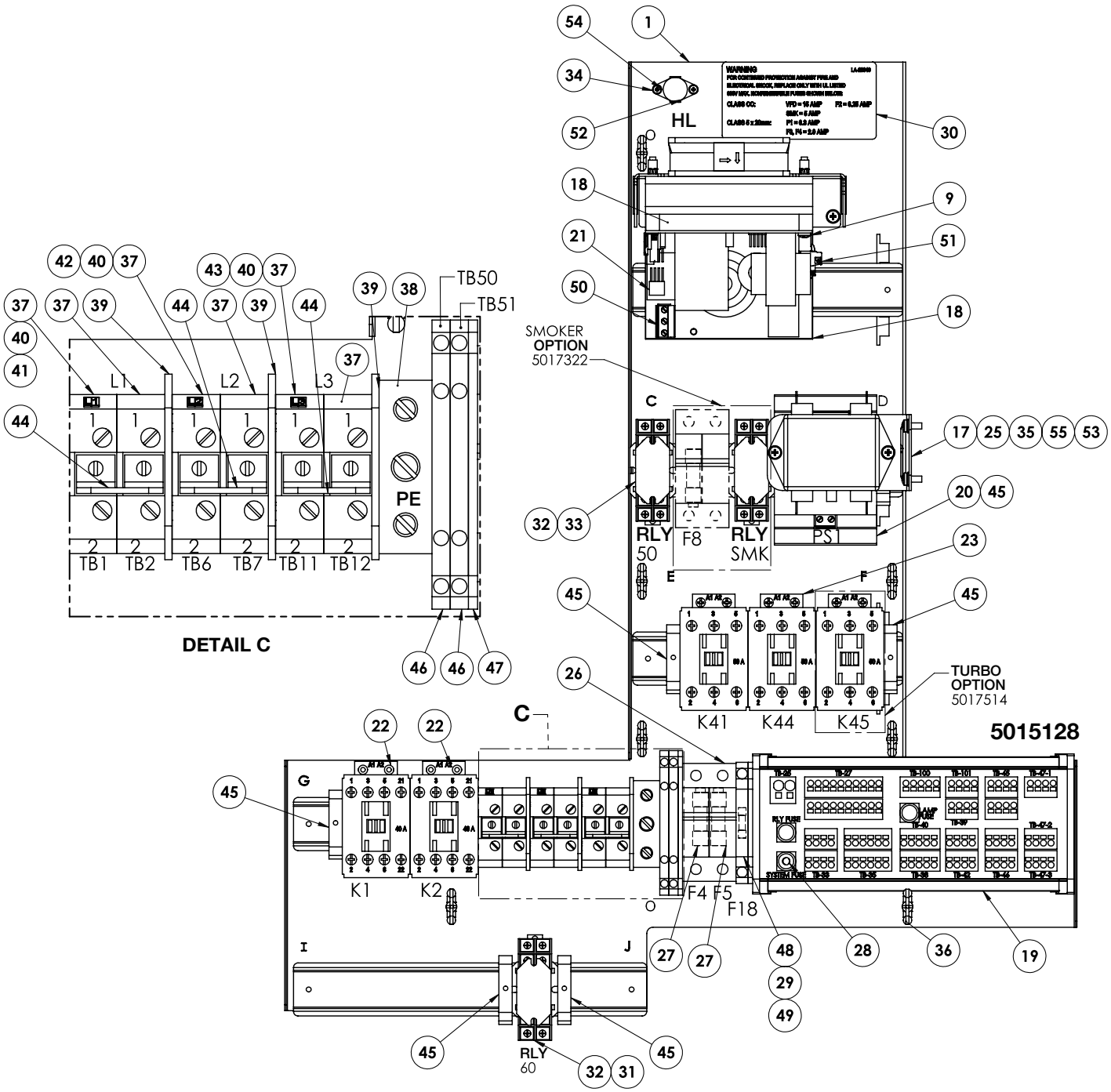
Item	Part	Description	Qty.
1	5014970	PANEL ASSY, ELECTRICAL CHASSIS	1
2	*–	WIRE ASSY, TT 208V, 380V, 440V	1
3	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
4	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
5	*–	WIRE ASSY, 6-10, 10-10 ,7-20	1
6	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	1
7	*–	WIRE ASSY, TT EB, E, G	1
8	*–	WIRE ASSY, TT EB, E, G ALL V	1
9	*–	WIRE ASSY, TT EB, E, G ALL V	1
10	*–	WIRE ASSY, 6-10, 10-10, 7-20, 10-20 EB/E/G	1
11	*–	WIRE ASSEMBLY	1
12	*–	WIRING ASSEMBLY	1
13	*–	KIT, BROWNING VALVE MOTOR	1
14	5017026	BRACKET, FILTER LINE, ASSEMBLY	1
15	BA-34676	BOARD, VF MOTOR DRIVE	1
16	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
17	BA-35693	BOARD,POWER SUPPLY 10-15VDC 8A	1
18	CB-35777	CABLE, CAN-FAN, 4 POLE	1
19	CN-3731	CONTACTOR, 50 AMP	2
20	*–	ENVELOPE, PRESS ON	1
21	FI-33225	FILTER LINE 115/250V 50/60HZ	1
22	FU-34771	FUSE HOLDER, 2 BANK	1
23	FU-34772	FUSE, 15 AMP	2
24	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
25	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1
26	–	LABEL, FUSE WARNING	1

Item	Part	Description	Qty.
27	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
28	RL-34634	UNIVERSAL MOUNTING SOCKET	2
29	RL-36100	RELAY, DPDT, 12VDC	1
30	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
31	SC-22273	SCREW, M4 x 0.7 x 10mm PAN	4
32	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	7
33	TM-3780	TERMINALS, 35mm	6
34	TM-3782	TERMINAL, GROUND, 35mm	1
35	TM-3786	TERMINAL, 35mm WALL, PART	3
36	TM-3788	TERMINALS, MARK, L	3
37	TM-3790	TERMINALS, MARK, 1	1
38	TM-3791	TERMINALS, MARK, 2	1
39	TM-3792	TERMINALS, MARK, 3	1
40	TM-33837	JUMPER STRIP	3
41	TM-34305	TERMINAL, SCREWLESS END	6
42	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
43	TM-34309	TERMINAL, END SECTION, SPRING	
44	TM-34311	TERMINAL, FUSE HOLDER, 8mm	
45	TM-34315	TERMINAL, END PLATE	
46	TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	
47	TM-34905	TERMINAL, 4-POLE GREEN, MSTB	
48	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	
49	WS-22294	WASHER, FLAT M4 18-8 S/S	4
50	WS-22299	WASHER, M3 SPLIT LOCK	2
51	WS-22300	WASHER, M4 SPLIT LOCK	4

*NOT SHOWN

PARTS INFORMATION

CTP10-10EB, CTP7-20EB, 240V, 3PH



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CTP10-10EB, CTP7-20EB, 240V, 3PH - CONTINUED

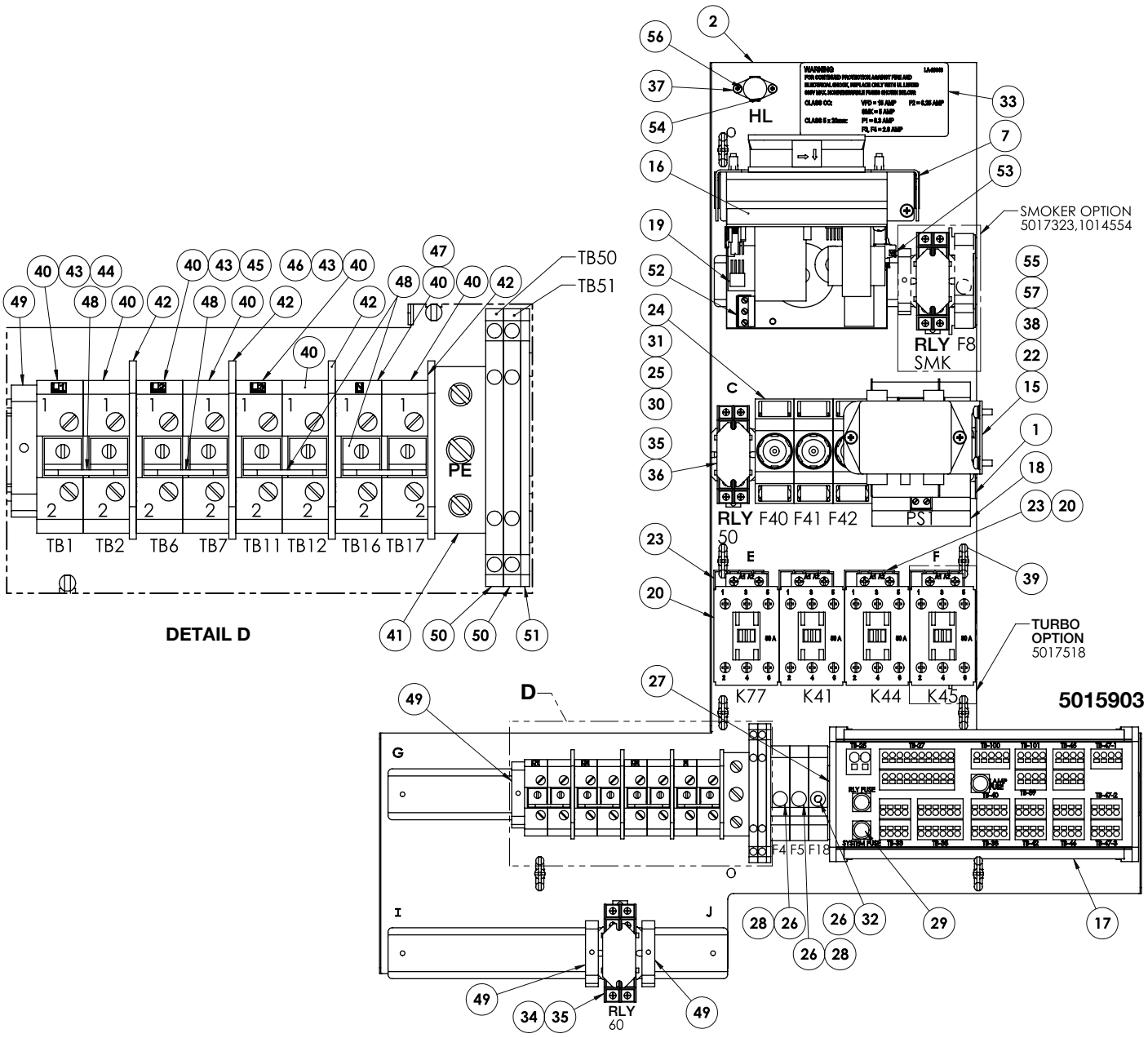
5015128

Item	Part	Description	Qty.
1	5014970	PANEL ASSY, ELECTRICAL CHASSIS	1
2	–	WIRE ASSY, 10-10, 7-20 EB 208V	1
3	–	WIRE ASSY, TT 208V, 380V, 440V	1
4	–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
5	–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
6	–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
7	–	WIRE ASSY, 6-10, 10-10, 7-20 EB	1
8	–	WIRE ASSY, 6-10, 10-10, 7-20	1
9	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	1
10	–	WIRE ASSY, TT EB, E, G	1
11	–	WIRE ASSY, TT EB, E, G ALL V	1
12	–	WIRE ASSY, TT EB, E, G ALL V	1
13	–	WIRE ASSY, 6-10, 10-10, 7-20, 10-20 EB/E/G	1
14	–	WIRE ASSEMBLY	1
15	–	WIRING ASSEMBLY	1
16	–	KIT, BROWNING VALVE MOTOR	1
17	5017026	BRACKET, FILTER LINE, ASSEMBLY	1
18	BA-34676	BOARD, VF MOTOR DRIVE	1
19	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
20	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
21	CB-35777	CABLE, CAN-FAN, 4 POLE	1
22	CN-3654	CONTACTOR, 40A	2
23	CN-3731	ONTACTOR, 50A	2
24	–	ENVELOPE, PRESS ON	1
25	FI-33225	FILTER LINE 115/250V 50/60HZ	1
26	FU-34771	FUSE HOLDER, 2 BANK	1
27	FU-34772	FUSE, 15 AMP	2
28	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
29	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1
30	–	LABEL, FUSE WARNING	1
31	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
32	RL-34634	UNIVERSAL MOUNTING SOCKET	2
33	RL-36100	RELAY, DPDT, 12VDC	1
34	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
35	SC-22273	SCREW, M4 x 0.7 x 10mm PAN	4
36	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	7
37	TM-3780	TERMINALS, 35mm	6
38	TM-3782	TERMINAL, GROUND, 35mm	1
39	TM-3786	TERMINAL, 35mm WALL, PART	3
40	TM-3788	TERMINALS, MARK, L	3
41	TM-3790	TERMINALS, MARK, 1	1
42	TM-3791	TERMINALS, MARK, 2	1
43	TM-3792	TERMINALS, MARK, 3	1
44	TM-33837	JUMPER STRIP	3
45	TM-34305	TERMINAL, SCREWLESS END	6
46	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
47	TM-34309	TERMINAL, END SECTION, SPRING	1
48	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
49	TM-34315	TERMINAL, END PLATE	1
50	TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	1
51	TM-34905	TERMINAL, 4-POLE GREEN, MSTB	1
52	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
53	WS-22294	WASHER, FLAT M4 18-8 S/S	4
54	WS-22299	WASHER, M3 SPLIT LOCK	2
55	WS-22300	WASHER, M4 SPLIT LOCK	4

*NOT SHOWN

PARTS INFORMATION

CTP10-10E, CTP7-20E, 380V, 3PH



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CTP10-10E, CTP7-20E, 380V, 3PH - CONTINUED

5015903

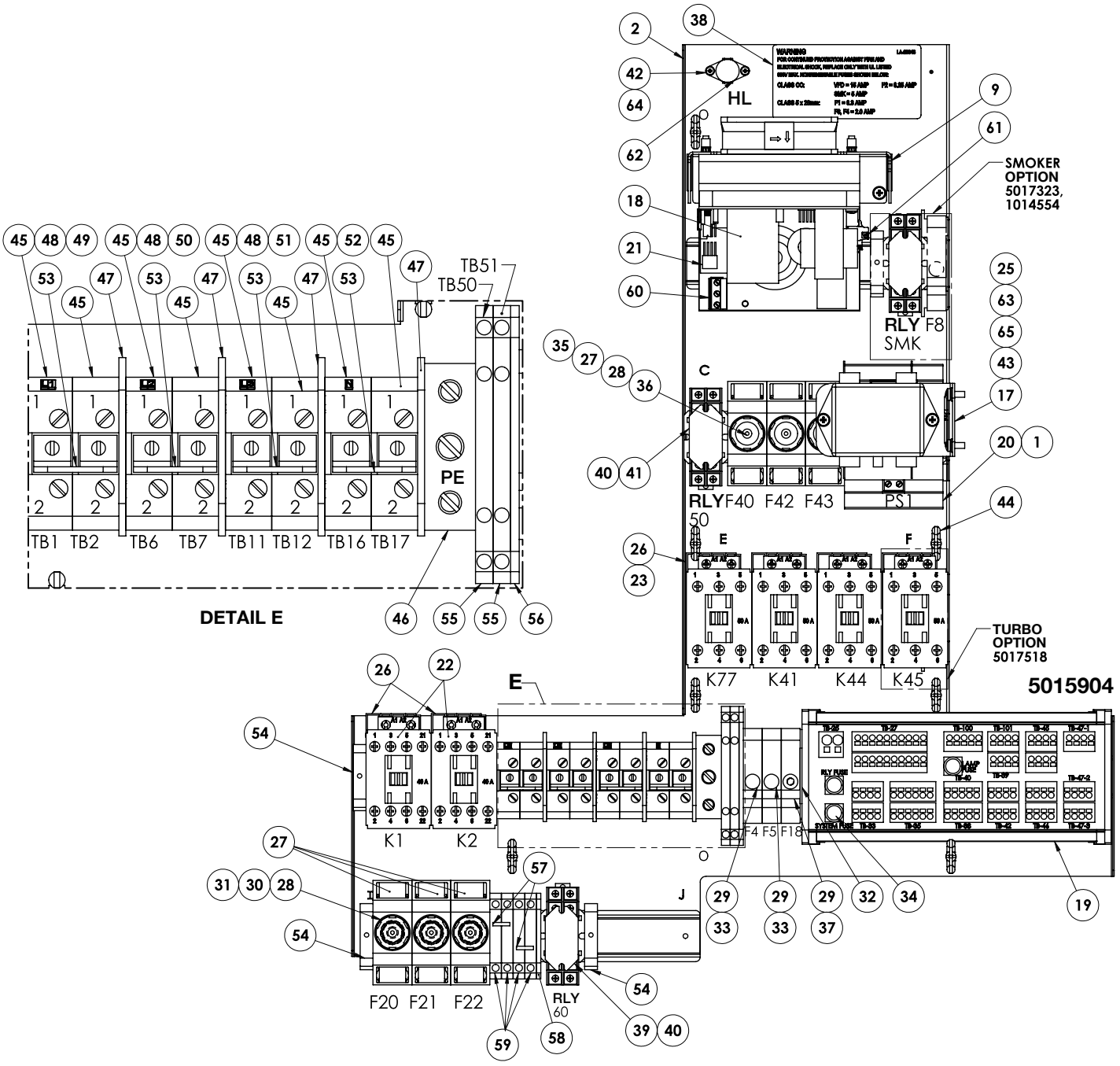
Item	Part	Description	Qty.
1	1014554	BRACKET, DIN STOP	2
2	5014970	PANEL ASSY, ELECTRICAL CHASSIS	1
3	*–	WIRE ASSY, TT 208V, 380V, 440V	1
4	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
5	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
6	*–	WIRE ASSY, 6-10, 10-10, 7-20	1
7	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	1
8	*–	WIRE ASSY, TT EB, E, G	1
9	*–	WIRE ASSY, TT EB, E, G ALL V	1
10	*–	WIRE ASSY, TT EB, E, G ALL V	1
11	*–	WIRE ASSY, 6-10, 10-10, 7-20, 10-20 EB/E/G	1
12	*–	WIRE ASSEMBLY	1
13	*–	WIRING ASSEMBLY	1
14	*–	KIT, BROWNING VALVE MOTOR	1
15	5017026	BRACKET, FILTER LINE, ASSEMBLY	1
16	BA-34676	BOARD, VF MOTOR DRIVE	1
17	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
18	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
19	CB-35777	CABLE, CAN-FAN, 4 POLE	1
20	CN-3731	CONTACTOR, 50 AMP	3
21	*–	ENVELOPE, PRESS ON	1
22	FI-33225	FILTER LINE 115/250V 50/60HZ	1
23	FI-33990	EMI FILTER	3
24	FU-33444	FUSE, DO2 NEOZED BASE & COVER	3
25	FU-33445	FUSE, DO2 NEOZED SCREW CAP	3
26	FU-33451	FUSE, TERMINAL, 6.3A	3
27	FU-34749	FUSE, HOLDER COVER	1
28	FU-34921	FUSE, NEOZED, 15A	2
29	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1

Item	Part	Description	Qty.
30	FU-35497	FUSE, DO2 NEOZED GAUGE RING 50A	3
31	FU-35850	FUSE, DO2 NEOZED 50A, WHITE	3
32	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1
33	–	LABEL, FUSE WARNING	1
34	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
35	RL-34634	UNIVERSAL MOUNTING SOCKET	2
36	RL-36100	RELAY, DPDT, 12VDC	1
37	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
38	SC-22273	SCREW, M4 x 0.7 x 10mm PAN	4
39	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	7
40	TM-3780	TERMINALS, 35mm	8
41	TM-3782	TERMINAL, GROUND, 35mm	1
42	TM-3786	TERMINAL, 35mm WALL, PART	4
43	TM-3788	TERMINALS, MARK, L	3
44	TM-3790	TERMINALS, MARK, 1	1
45	TM-3791	TERMINALS, MARK, 2	1
46	TM-3792	TERMINALS, MARK, 3	1
47	TM-33479	TERMINALS, MARK, N	1
48	TM-33837	JUMPER STRIP	4
49	TM-34305	TERMINAL, SCREWLESS END	3
50	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
51	TM-34309	TERMINAL, END SECTION, SPRING	1
52	TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	1
53	TM-34905	TERMINAL, 4-POLE GREEN, MSTB	1
54	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
55	WS-22294	WASHER, FLAT M4 18-8 S/S	4
56	WS-22299	WASHER, M3 SPLIT LOCK	2
57	WS-22300	WASHER, M4 SPLIT LOCK	4

*NOT SHOWN

PARTS INFORMATION

CTP10-10EB, CTP7-20EB, 380V, 3PH



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CTP10-10EB, CTP7-20EB, 380V, 3PH - CONTINUED

5015904

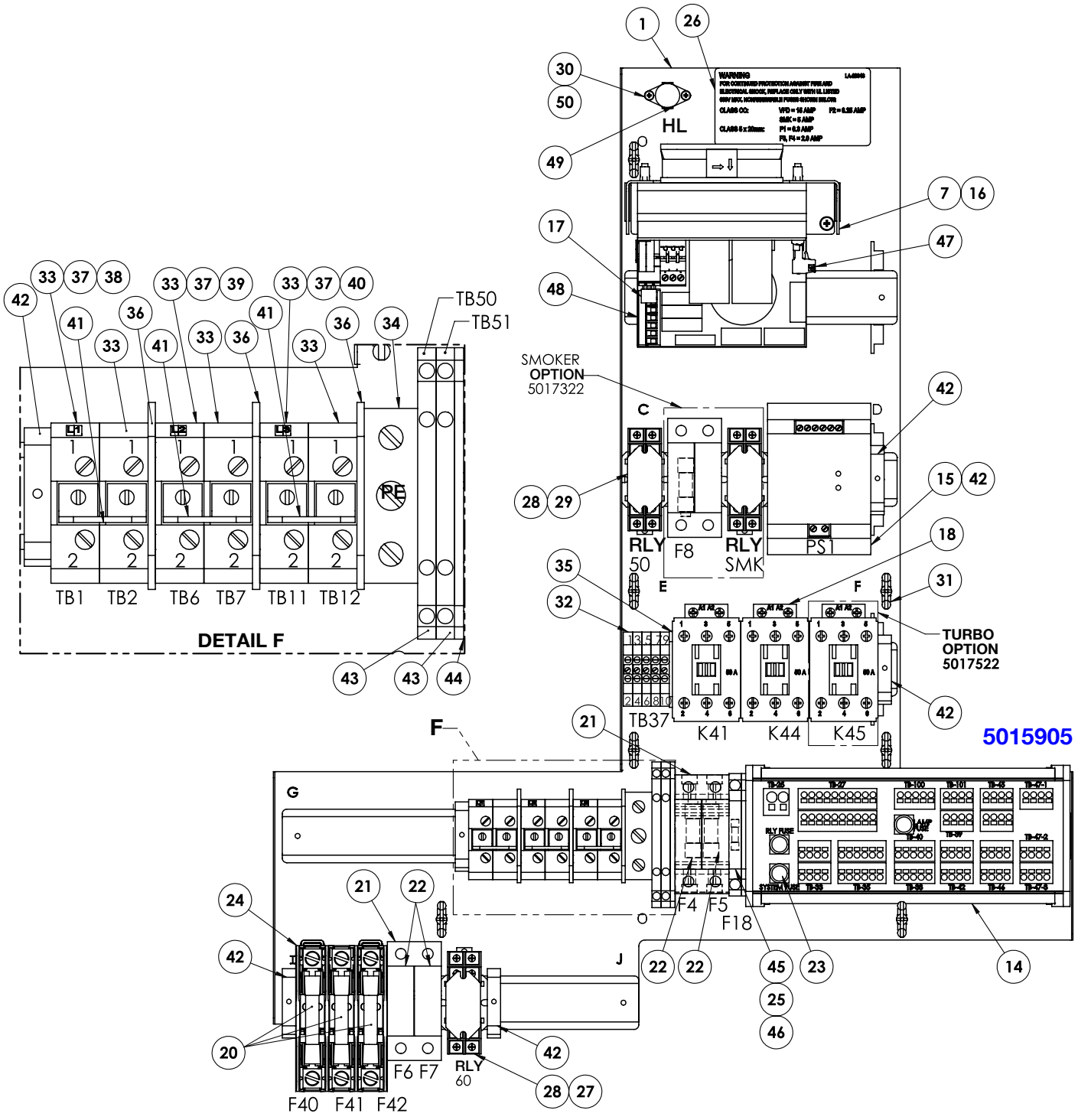
Item	Part	Description	Qty.
1	1014554	BRACKET, DIN STOP	2
2	5014970	PANEL ASSY, ELECTRICAL CHASSIS	1
3	*–	WIRE ASSY, TT 208V, 380V, 440V	1
4	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
5	*–	WIRE ASSY, 10-10, 7-20 EB 380V	1
6	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
7	*–	WIRE ASSY, 6-10, 10-10, 7-20 EB	1
8	*–	WIRE ASSY, 6-10, 10-10, 7-20	1
9	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	1
10	*–	WIRE ASSY, TT EB, E, G	1
11	*–	WIRE ASSY, TT EB, E, G ALL V	1
12	*–	WIRE ASSY, TT EB, E, G ALL V	1
13	*–	WIRE ASSY, 6-10, 10-10, 7-20, 10-20 EB/E/G	1
14	*–	WIRE ASSEMBLY	1
15	*–	WIRING ASSEMBLY	1
16	*–	KIT, BROWNING VALVE MOTOR	1
17	5017026	BRACKET, FILTER LINE, ASSEMBLY	1
18	BA-34676	BOARD, VF MOTOR DRIVE	1
19	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
20	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
21	CB-35777	CABLE, CAN-FAN, 4 POLE	1
22	CN-3654	CONTACTOR, 40A	2
23	CN-3731	CONTACTOR, 50 AMP	3
24	*–	ENVELOPE, PRESS ON	1
25	FI-33225	FILTER LINE 115/250V 50/60HZ	1
26	FI-33990	EMI FILTER	5
27	FU-33444	FUSE, DO2 NEOZED BASE & COVER	6
28	FU-33445	FUSE, DO2 NEOZED SCREW CAP	6
29	FU-33451	FUSE, TERMINAL, 6.3A	3
30	FU-34608	FUSE, DO2 NEOZED 35A, BLACK	3
31	FU-34611	FUSE, DO2 NEOZED GAUGE RING 35A	3
32	FU-34749	FUSE, HOLDER COVER	1
33	FU-34921	FUSE, NEOZED, 15A	2

Item	Part	Description	Qty.
34	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
35	FU-35497	FUSE, DO2 NEOZED GAUGE RING 50A	3
36	FU-35850	FUSE, DO2 NEOZED 50A, WHITE	3
37	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1
38	–	LABEL, FUSE WARNING	1
39	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
40	RL-34634	UNIVERSAL MOUNTING SOCKET	2
41	RL-36100	RELAY, DPDT, 12VDC	1
42	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
43	SC-22273	SCREW, M4 x 0.7 x 10mm PAN	4
44	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	7
45	TM-3780	TERMINALS, 35mm	8
46	TM-3782	TERMINAL, GROUND, 35mm	1
47	TM-3786	TERMINAL, 35mm WALL, PART	4
48	TM-3788	TERMINALS, MARK, L	3
49	TM-3790	TERMINALS, MARK, 1	1
50	TM-3791	TERMINALS, MARK, 2	1
51	TM-3792	TERMINALS, MARK, 3	1
52	TM-33479	TERMINALS, MARK, N	1
53	TM-33837	JUMPER STRIP	4
54	TM-34305	TERMINAL, SCREWLESS END	3
55	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
56	TM-34309	TERMINAL, END SECTION, SPRING	1
57	TM-34310	JUMPER BAR	2
58	TM-34437	PARTITION WALL, 1 POLE	1
59	TM-34438	TERMINAL, SPRING CLAMP, 1 POLE	4
60	TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	1
61	TM-34905	ERMINAL, 4-POLE GREEN, MSTB	1
62	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
63	WS-22294	WASHER, FLAT M4 18-8 S/S	4
64	WS-22299	WASHER, M3 SPLIT LOCK	2
65	WS-22300	WASHER, M4 SPLIT LOCK	4

*NOT SHOWN

PARTS INFORMATION

CTP10-10E, CTP7-20E, 440V, 3PH



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CTP10-10E, CTP7-20E, 440V, 3PH - CONTINUED

5015905

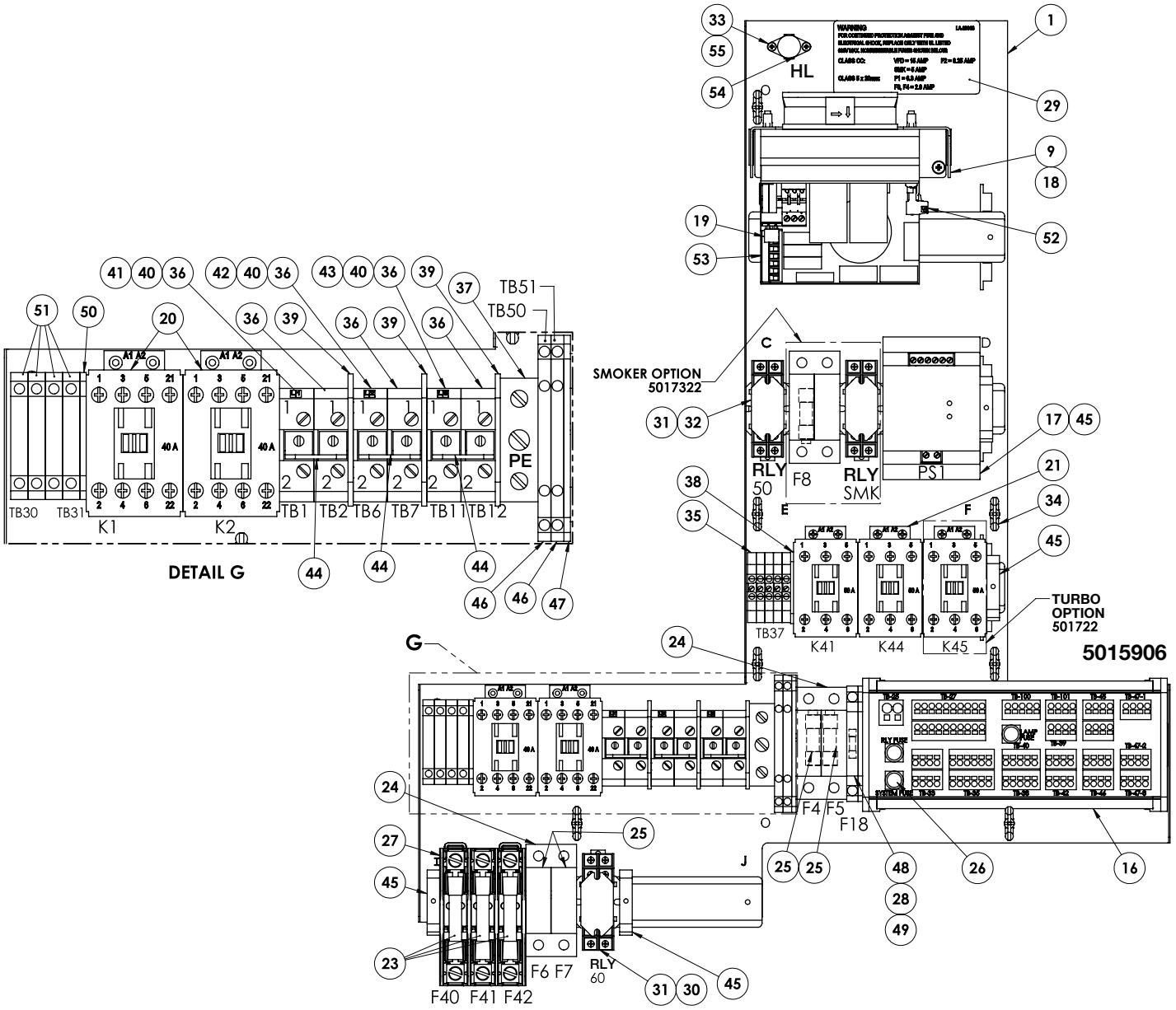
Item	Part	Description	Qty.
1	5014970	PANEL ASSY, ELECTRICAL CHASSIS	1
2	*–	WIRE ASSY, 6-10, 10-10, 7-20 EB	1
3	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
4	*–	WIRE ASSY, 440V POWER CVRSN	1
5	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
6	*–	WIRE ASSY, 6-10, 10-10, 7-20	1
7	5015481	BRACKET ASSY,MOTOR DRIVE MOUNT	1
8	*–	WIRE ASSY, TT EB, E, G	1
9	*–	WIRE ASSY, TT EB, E, G ALL V	1
10	*–	WIRE ASSY, TT EB, E, G ALL V	1
11	*–	WIRE ASSY, 6-10, 10-10, 7-20, 10-20 EB/E/G	1
12	*–	WIRING ASSEMBLY	1
13	*–	KIT, BROWNING VALVE MOTOR	1
14	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
15	BA-35693	BOARD,POWER SUPPLY 10-15VDC 8A	1
16	BA-35776	BOARD, VF MOTOR DRIVE,	1
17	CB-35777	CABLE, CAN-FAN, 4 POLE	1
18	CN-3731	CONTACTOR, 50 AMP	2
19	*–	ENVELOPE, PRESS ON	1
20	FU-33040	45A, MP, CLASS G, 480V MED. TIME-LAG	3
21	FU-34771	FUSE HOLDER, 2 BANK	2
22	FU-34772	FUSE, 15 AMP	4
23	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	
24	FU-35728	FUSE HOLDER, 60 AMP 480V CLASS G	
25	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	

Item	Part	Description	Qty.
26	–	LABEL, FUSE WARNING	1
27	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
28	RL-34634	UNIVERSAL MOUNTING SOCKET	2
29	RL-36100	RELAY, DPDT, 12VDC	1
30	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
31	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	7
32	TM-3778	TERMINALS, 4mm	5
33	TM-3780	TERMINALS, 35mm	6
34	TM-3782	TERMINAL, GROUND, 35mm	1
35	TM-3783	TERMINAL, WALL, 4mm	1
36	TM-3786	TERMINAL, 35mm WALL, PART	3
37	TM-3788	TERMINALS, MARK, L	3
38	TM-3790	TERMINALS, MARK, 1	1
39	TM-3791	TERMINALS, MARK, 2	1
40	TM-3792	TERMINALS, MARK, 3	1
41	TM-33837	JUMPER STRIP	3
42	TM-34305	TERMINAL, SCREWLESS END	5
43	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
44	TM-34309	TERMINAL, END SECTION, SPRING	1
45	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
46	TM-34315	TERMINAL, END PLATE	1
47	TM-34905	TERMINAL, 4-POLE GREEN, MSTB	1
48	TM-34937	TERMINAL, 7-POLE GREEN, MSTB	1
49	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
50	WS-22299	WASHER, M3 SPLIT LOCK	2

*NOT SHOWN

PARTS INFORMATION

CTP10-10EB, CTP7-20EB, 440V, 3PH



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CTP10-10EB, CTP7-20EB, 440V, 3PH - CONTINUED

5015906

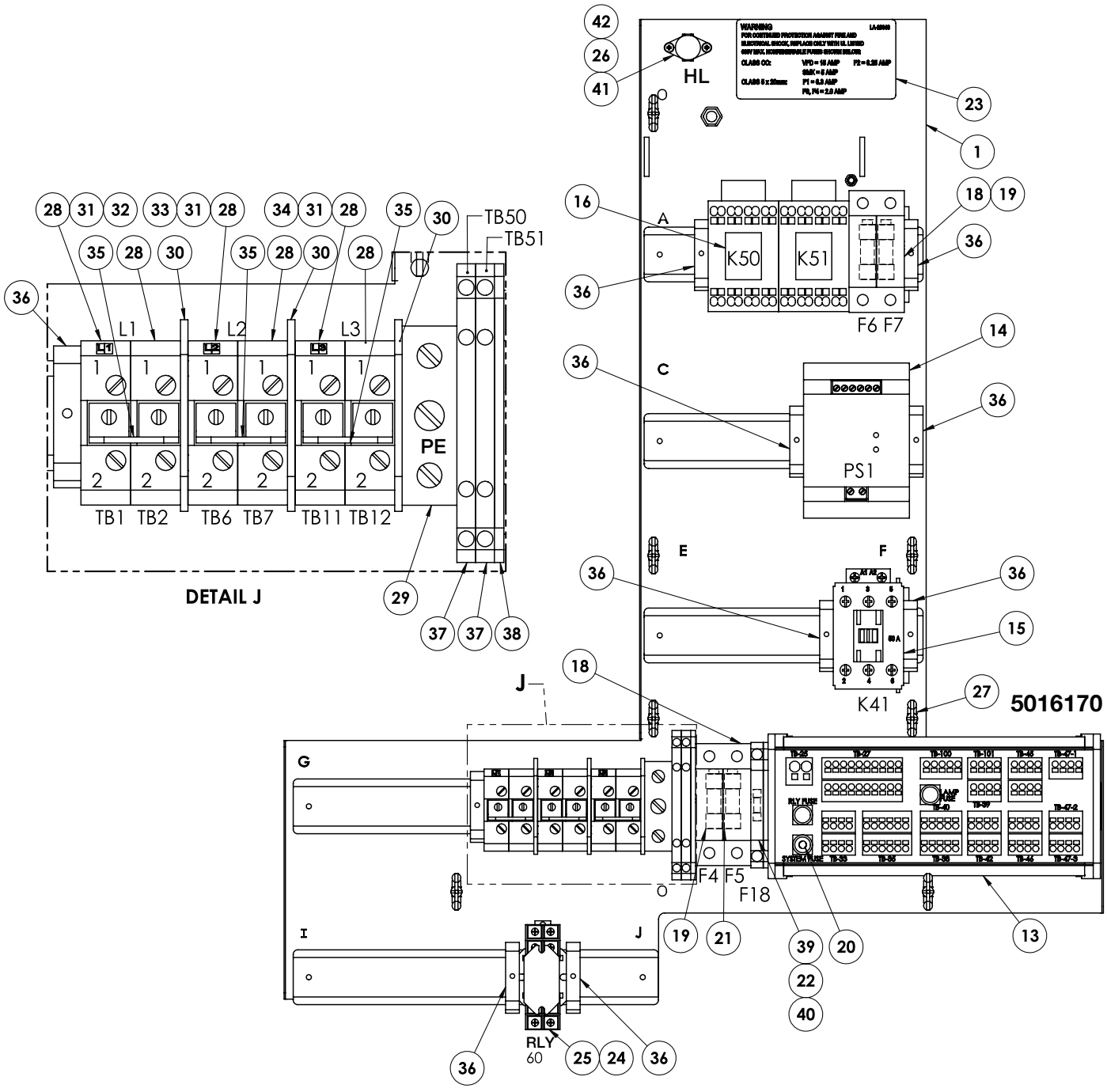
Item	Part	Description	Qty.
1	5014970	PANEL ASSY, ELECTRICAL CHASSIS	1
2	*–	WIRE ASSY, 6-10, 10-10, 7-20 EB	1
3	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
4	*–	WIRE ASSY, 440V POWER CVRSN	1
5	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
6	*–	WIRE ASSY, 10-10, 7-20 EB 440V	1
7	*–	WIRE ASSY, 6-10, 10-10, 7-20 EB	1
8	*–	WIRE ASSY, 6-10, 10-10, 7-20	1
9	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	1
10	*–	WIRE ASSY, TT EB, E, G	1
11	*–	WIRE ASSY, TT EB, E, G ALL V	1
12	*–	WIRE ASSY, TT EB, E, G ALL V	1
13	*–	WIRE ASSY, 6-10, 10-10, 7-20, 10-20 EB/E/G	1
14	*–	WIRING ASSEMBLY	1
15	*–	KIT, BROWNING VALVE MOTOR	1
16	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
17	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
18	BA-35776	BOARD, VF MOTOR DRIVE,	1
19	CB-35777	CABLE, CAN-FAN, 4 POLE	1
20	CN-3654	CONTACTOR, 40A	2
21	CN-3731	CONTACTOR, 50 AMP	2
22	*–	ENVELOPE, PRESS ON	1
23	FU-33040	45A, MP, CLASS G, 480V MED. TIME-LAG	3
24	FU-34771	FUSE HOLDER, 2 BANK	2
25	FU-34772	FUSE, 15 AMP	4
26	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
27	FU-35728	FUSE HOLDER, 60 AMP 480V CLASS G	1
28	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1

Item	Part	Description	Qty.
29	–	LABEL, FUSE WARNING	1
30	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
31	RL-34634	UNIVERSAL MOUNTING SOCKET	2
32	RL-36100	RELAY, DPDT, 12VDC	1
33	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
34	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	7
35	TM-3778	TERMINALS, 4mm	5
36	TM-3780	TERMINALS, 35mm	6
37	TM-3782	TERMINAL, GROUND, 35mm	1
38	TM-3783	TERMINAL, WALL, 4mm	1
39	TM-3786	TERMINAL, 35mm WALL, PART	3
40	TM-3788	TERMINALS, MARK, L	3
41	TM-3790	TERMINALS, MARK, 1	1
42	TM-3791	TERMINALS, MARK, 2	1
43	TM-3792	TERMINALS, MARK, 3	1
44	TM-33837	JUMPER STRIP	3
45	TM-34305	TERMINAL, SCREWLESS END	4
46	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
47	TM-34309	TERMINAL, END SECTION, SPRING	1
48	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
49	TM-34315	TERMINAL, END PLATE	1
50	TM-34437	PARTITION WALL, 1 POLE	1
51	TM-34438	TERMINAL, SPRING CLAMP, 1 POLE	4
52	TM-34905	TERMINAL, 4-POLE GREEN, MSTB	1
53	TM-34937	TERMINAL, 7-POLE GREEN, MSTB	1
54	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
55	WS-22299	WASHER, M3 SPLIT LOCK	2

*NOT SHOWN

PARTS INFORMATION

CTC10-10E, CTC7-20E, 208V, 3PH



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CTC10-10E, CTC7-20E, 208V, 3PH - CONTINUED

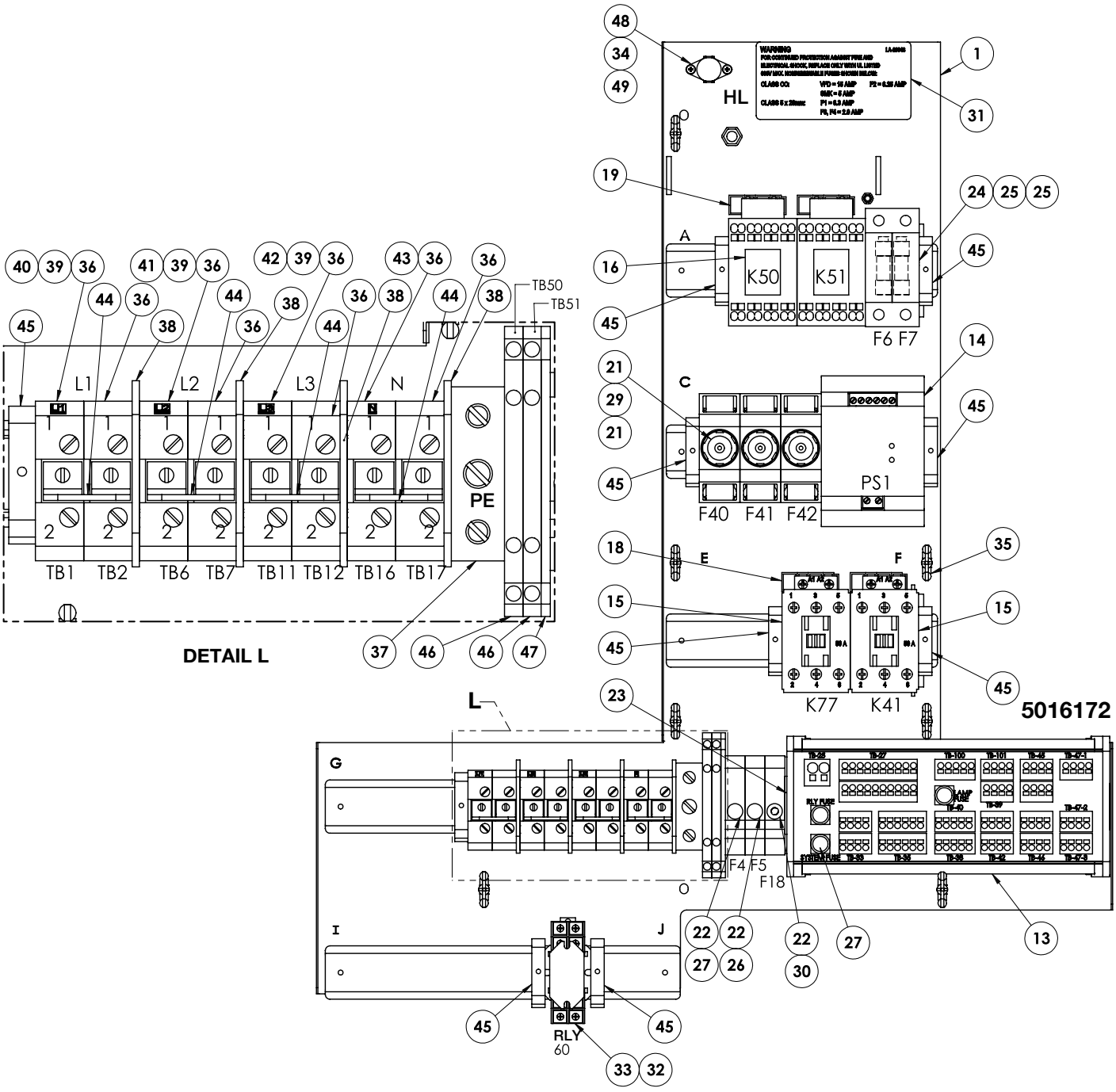
5016170

Item	Part	Description	Qty.
1	5014970	PANEL ASSY, ELECTRICAL CHASSIS	1
2	*–	WIRE ASSY, TT 208V, 380V, 440V	1
3	*–	WIRE ASY, COMBI EB, E, G	1
4	*–	WIRE ASSY, 6-10, 10-10, 7-20	1
5	*–	WIRE ASSY, TT EB, E, G	1
6	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
7	*–	WIRE ASSY, TT EB, E, G ALL V	1
8	*–	WIRE ASSY, TT EB, E, G ALL V	1
9	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
10	*–	WIRE ASSEMBLY	1
11	*–	WIRING ASSEMBLY	1
12	*–	WIRE ASSEMBLY	1
13	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
14	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
15	CN-3731	CONTACTOR, 50 AMP	1
16	CN-34304	CONTACTOR, 240V, 25A	2
17	*–	ENVELOPE, PRESS ON	1
18	FU-34771	FUSE HOLDER, 2 BANK	2
19	FU-34772	FUSE, 15 AMP	3
20	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
21	FU-35475	FUSE, 8A	1
22	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1
23	–	LABEL, FUSE WARNING	1
24	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
25	RL-34634	UNIVERSAL MOUNTING SOCKET	1
26	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
27	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	7
28	TM-3780	TERMINALS, 35mm	6
29	TM-3782	TERMINAL, GROUND, 35mm	1
30	TM-3786	TERMINAL, 35mm WALL, PART	3
31	TM-3788	TERMINALS, MARK, L	3
32	TM-3790	TERMINALS, MARK, 1	1
33	TM-3791	TERMINALS, MARK, 2	1
34	TM-3792	TERMINALS, MARK, 3	1
35	TM-33837	JUMPER STRIP	3
36	TM-34305	TERMINAL, SCREWLESS END	9
37	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
38	TM-34309	TERMINAL, END SECTION, SPRING	1
39	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
40	TM-34315	TERMINAL, END PLATE	1
41	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
42	WS-22299	WASHER, M3 SPLIT LOCK	2

*NOT SHOWN

PARTS INFORMATION

CTC10-10E, CTC7-20E, 380V, 3PH



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CTC10-10E, CTC7-20E, 380V, 3PH - CONTINUED

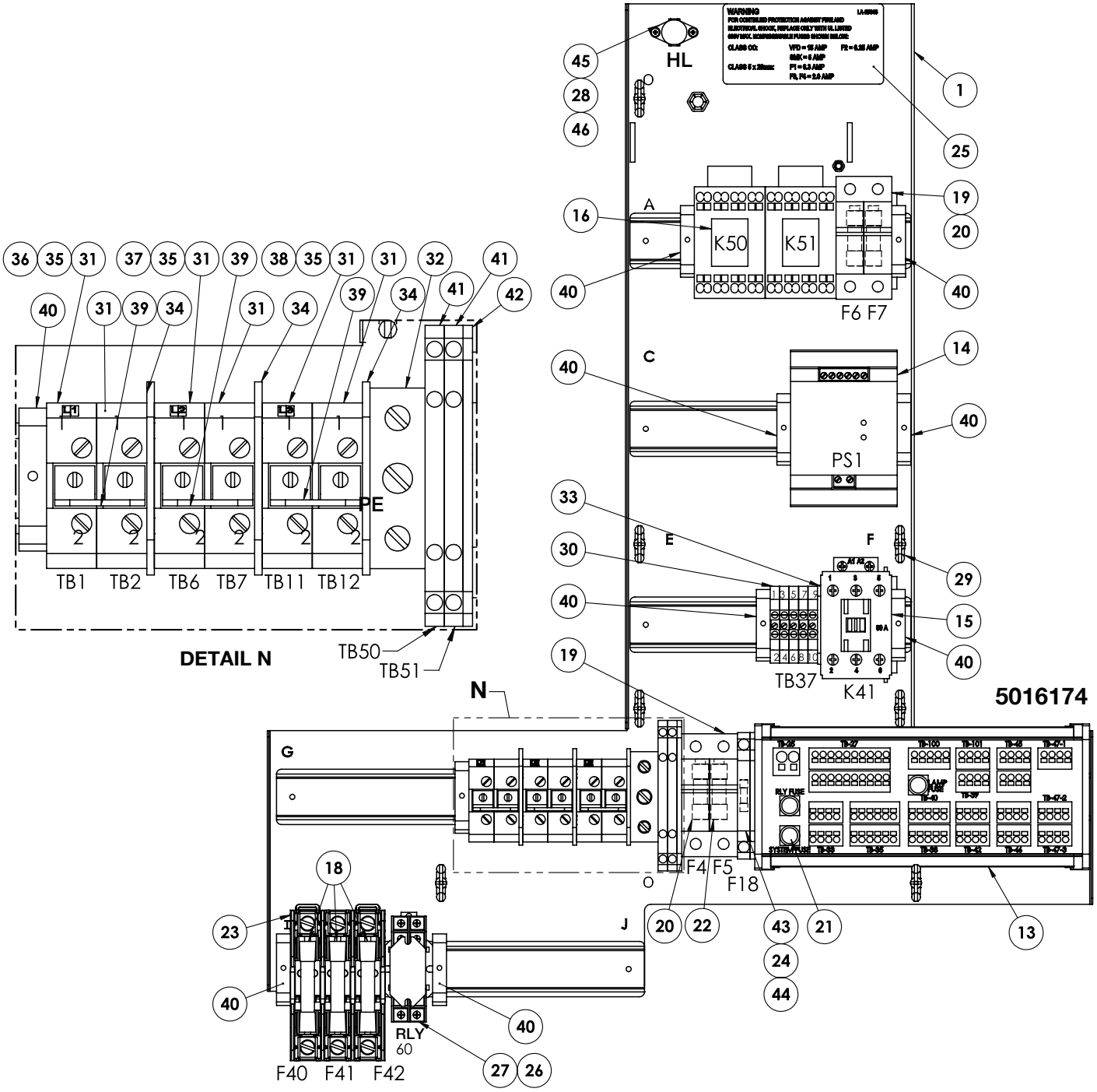
5016172

Item	Part	Description	Qty.
1	5014970	PANEL ASSY, ELECTRICAL CHASSIS	1
2	*–	WIRE ASSY, TT 208V, 380V, 440V	1
3	*–	WIRE ASY, COMBI EB, E, G	1
4	*–	WIRE ASSY, 6-10, 10-10, 7-20	1
5	*–	WIRE ASSY, TT EB, E, G	1
6	*–	WIRE ASSY, TT E 380V 3PH	1
7	*–	WIRE ASSY, TT EB, E, G ALL V	1
8	*–	WIRE ASSY, TT EB, E, G ALL V	1
9	*–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
10	*–	WIRE ASSEMBLY	1
11	*–	WIRING ASSEMBLY	1
12	*–	WIRE ASSEMBLY	1
13	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
14	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
15	CN-3731	CONTACTOR, 50 AMP	2
16	CN-34304	CONTACTOR, 240V, 25A	2
17	*–	ENVELOPE, PRESS ON	1
18	FI-33990	EMI FILTER	2
19	FI-34492	FILTER, FOR SPRING CLAMP	2
20	*FU-33444	FUSE, DO2 NEOZED BASE & COVER	3
21	FU-33445	FUSE, DO2 NEOZED SCREW CAP	3
22	FU-33451	FUSE, TERMINAL, 6.3A	3
23	FU-34749	FUSE, HOLDER COVER	1
24	FU-34771	FUSE HOLDER, 2 BANK	1
25	FU-34772	FUSE, 15 AMP	2
26	FU-34921	FUSE, NEOZED, 15A	1
27	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	2
28	*FU-35497	FUSE, DO2 NEOZED GAUGE RING 50A	3
29	FU-35850	FUSE, DO2 NEOZED 50A, WHITE	3
30	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1
31	–	LABEL, FUSE WARNING	1
32	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
33	RL-34634	UNIVERSAL MOUNTING SOCKET	1
34	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
35	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	7
36	TM-3780	TERMINALS, 35mm	8
37	TM-3782	TERMINAL, GROUND, 35mm	1
38	TM-3786	TERMINAL, 35mm WALL, PART	4
39	TM-3788	TERMINALS, MARK, L	3
40	TM-3790	TERMINALS, MARK, 1	1
41	TM-3791	TERMINALS, MARK, 2	1
42	TM-3792	TERMINALS, MARK, 3	1
43	TM-33479	TERMINALS, MARK, N	1
44	TM-33837	JUMPER STRIP	4
45	TM-34305	TERMINAL, SCREWLESS END	9
46	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
47	TM-34309	TERMINAL, END SECTION, SPRING	1
48	TT-36119	THERMOSTAT, BI-METAL,100 DEG CLOSE	1
49	WS-22299	WASHER, M3 SPLIT LOCK	2

*NOT SHOWN

PARTS INFORMATION

CTC10-10E, CTC7-20E, 440V, 3PH



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CTC10-10E, CTC7-20E, 380V, 3PH - CONTINUED

5016174

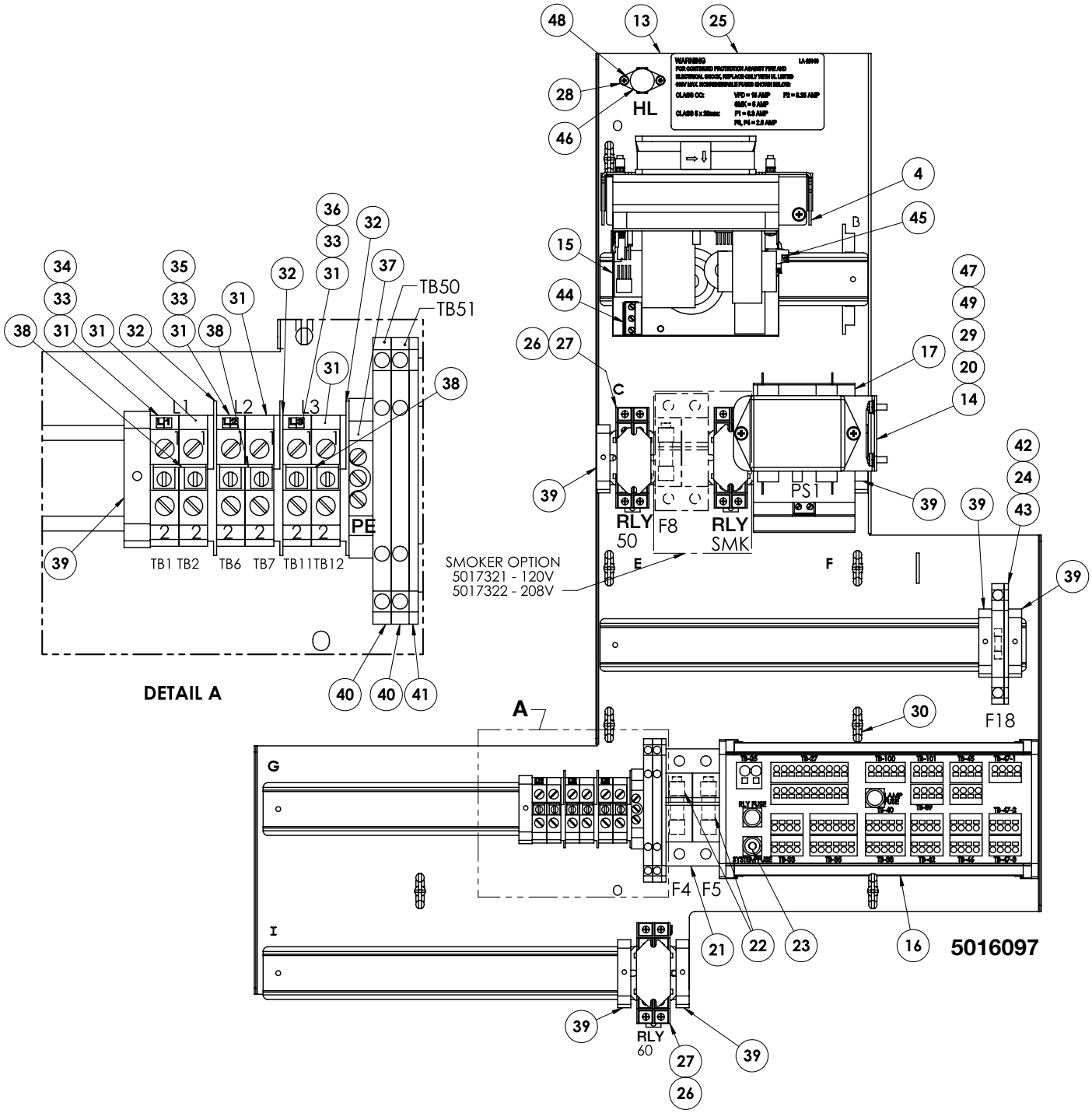
Item	Part	Description	Qty.
1	5014970	PANEL ASSY, ELECTRICAL CHASSIS	1
2	–	WIRE ASSY, TT 208V, 380V, 440V	1
3	–	WIRE ASSY, 440V POWER CVRSN	1
4	–	WIRE ASY, COMBI EB, E, G	1
5	–	WIRE ASSY, 6-10, 10-10, 7-20	1
6	–	WIRE ASSY, TT EB, E, G	1
7	–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
8	–	WIRE ASSY, TT EB, E, G ALL V	1
9	–	WIRE ASSY, TT EB, E, G ALL V	1
10	–	WIRE ASSY, 6-10, 10-10, 7-20 E	1
11	–	WIRING ASSEMBLY	1
12	–	WIRE ASSEMBLY	1
13	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
14	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
15	CN-3731	CONTACTOR, 50 AMP	1
16	CN-34304	CONTACTOR, 240V, 25A	2
17	–	ENVELOPE, PRESS ON	1
18	FU-33040	45A, MP, CLASS G, 480V MED. TIME-LAG	3
19	FU-34771	FUSE HOLDER, 2 BANK	2
20	FU-34772	FUSE, 15 AMP	3
21	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
22	FU-35475	FUSE, 8A	1
23	FU-35728	FUSE HOLDER, 60 AMP 480V CLASS G	1

Item	Part	Description	Qty.
24	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1
25	–	LABEL, FUSE WARNING	1
26	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
27	RL-34634	UNIVERSAL MOUNTING SOCKET	1
28	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
29	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	7
30	TM-3778	TERMINALS, 4mm	5
31	TM-3780	TERMINALS, 35mm	6
32	TM-3782	TERMINAL, GROUND, 35mm	1
33	TM-3783	TERMINAL, WALL, 4mm	1
34	TM-3786	TERMINAL, 35mm WALL, PART	3
35	TM-3788	TERMINALS, MARK, L	3
36	TM-3790	TERMINALS, MARK, 1	1
37	TM-3791	TERMINALS, MARK, 2	1
38	TM-3792	TERMINALS, MARK, 3	1
39	TM-33837	JUMPER STRIP	3
40	TM-34305	TERMINAL, SCREWLESS END	9
41	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
42	TM-34309	TERMINAL, END SECTION, SPRING	1
43	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
44	TM-34315	TERMINAL, END PLATE	1
45	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
46	WS-22299	WASHER, M3 SPLIT LOCK	2

*NOT SHOWN

PARTS INFORMATION

CTP10-20G, 120V/208V



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CTP10-20G, 120V/208V - CONTINUED

5016097

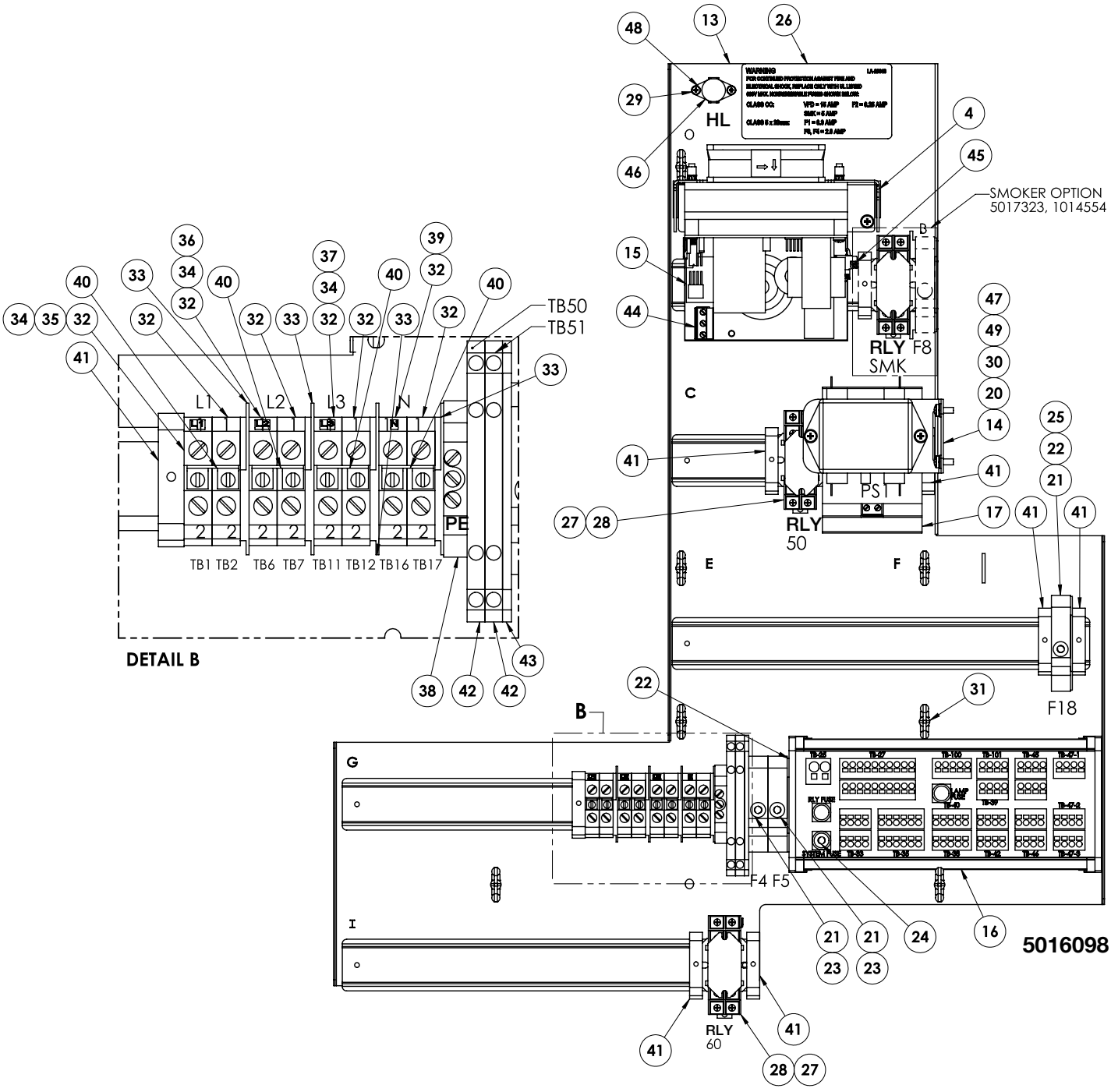
Item	Part	Description	Qty.
1	*–	WIRE ASSY, TT 208V, 380V, 440V	1
2	*–	WIRE ASSY, 10-20 G 120V, 208V	1
3	*–	WIRE ASSY, ALL G, ALL VOLTAGE	1
4	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	1
5	*–	20-20 COMMON WIRE SET	1
6	*–	WIRE ASSY, TT EB, E, G	1
7	*–	WIRE ASSY, TT EB, E, G ALL V	1
8	*–	WIRE ASSY, TT EB, E, G ALL V	1
9	*–	WIRE ASSY, 6-10, 10-10, 7-20, 10-20 EB/E/G	1
10	*–	WIRE ASSEMBLY	1
11	*–	WIRING ASSEMBLY	1
12	*–	KIT, BROWNING VALVE MOTOR	1
13	5016893	PANEL ASSY, ELECTRICAL CHASSIS	1
14	5017026	BRACKET, FILTER LINE, ASSEMBLY	1
15	BA-34676	BOARD, VF MOTOR DRIVE	1
16	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
17	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
18	*CB-35777	CABLE, CAN-FAN, 4 POLE	1
19	*–	ENVELOPE, PRESS ON	1
20	FI-33225	FILTER LINE 115/250V 50/60HZ	1
21	FU-34771	FUSE HOLDER, 2 BANK	1
22	FU-34772	FUSE, 15 AMP	2
23	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
24	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1
25	–	LABEL, FUSE WARNING	1

Item	Part	Description	Qty.
26	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	2
27	RL-34634	UNIVERSAL MOUNTING SOCKET	2
28	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
29	SC-22273	SCREW, M4 x 0.7 x 10mm PAN	4
30	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	7
31	TM-3779	TERMINAL BLOCK	6
32	TM-3785	PARTITION	3
33	TM-3788	TERMINALS, MARK, L	3
34	TM-3790	TERMINALS, MARK, 1	1
35	TM-3791	TERMINALS, MARK, 2	1
36	TM-3792	TERMINALS, MARK, 3	1
37	TM-3932	TERMINAL, GROUND	1
38	TM-33675	JUMPER STRIP	3
39	TM-34305	TERMINAL, SCREWLESS END	7
40	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
41	TM-34309	TERMINAL, END SECTION, SPRING	1
42	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
43	TM-34315	TERMINAL, END PLATE	1
44	TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	1
45	TM-34905	TERMINAL, 4-POLE GREEN, MSTB	1
46	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
47	WS-22294	WASHER, FLAT M4 18-8 S/S	4
48	WS-22299	WASHER, M3 SPLIT LOCK	2
49	WS-22300	WASHER, M4 SPLIT LOCK	4

*NOT SHOWN

PARTS INFORMATION

CTP10-20G, 380V, 3PH



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CTP10-20G, 380V, 3PH - CONTINUED

5016098

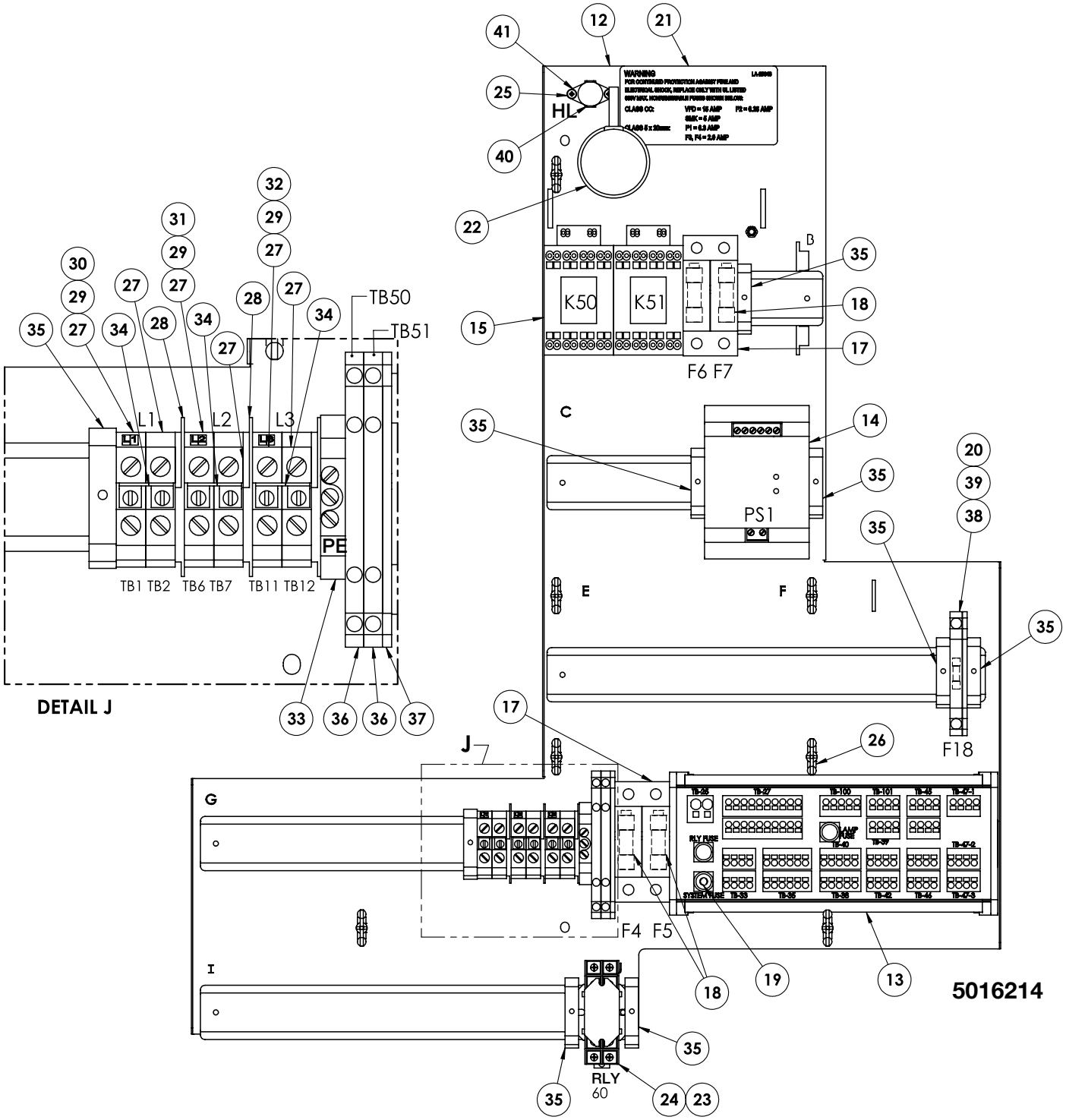
Item	Part	Description	Qty.
1	*–	WIRE ASSY, TT 208V, 380V, 440V	1
2	*–	WIRE ASSY, 10-20 G 120V, 208V	1
3	*–	WIRE ASSY, ALL G, ALL VOLTAGE	1
4	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	1
5	*–	20-20 COMMON WIRE SET	1
6	*–	WIRE ASSY, TT EB, E, G	1
7	*–	WIRE ASSY, TT EB, E, G ALL V	1
8	*–	WIRE ASSY, TT EB, E, G ALL V	1
9	*–	WIRE ASSY, 6-10, 10-10, 7-20, 10-20 EB/E/G	1
10	*–	WIRE ASSEMBLY	1
11	*–	WIRING ASSEMBLY	1
12	*–	KIT, BROWNING VALVE MOTOR	1
13	5016893	PANEL ASSY, ELECTRICAL CHASSIS	1
14	5017026	BRACKET, FILTER LINE, ASSEMBLY	1
15	BA-34676	BOARD, VF MOTOR DRIVE	1
16	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
17	BA-35693	BOARD,POWER SUPPLY 10-15VDC 8A	1
18	*CB-35777	CABLE, CAN-FAN, 4 POLE	1
19	*–	ENVELOPE, PRESS ON	1
20	FI-33225	FILTER LINE 115/250V 50/60HZ	1
21	FU-33451	FUSE, TERMINAL, 6.3A	3
22	FU-34749	FUSE, HOLDER COVER	2
23	FU-34921	FUSE, NEOZED, 15A	2
24	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
25	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1

Item	Part	Description	Qty.
26	–	LABEL, FUSE WARNING	1
27	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	2
28	RL-34634	UNIVERSAL MOUNTING SOCKET	2
29	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
30	SC-22273	SCREW, M4 x 0.7 x 10mm PAN	4
31	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	7
32	TM-3779	TERMINAL BLOCK	8
33	TM-3785	PARTITION	4
34	TM-3788	TERMINALS, MARK, L	3
35	TM-3790	TERMINALS, MARK, 1	1
36	TM-3791	TERMINALS, MARK, 2	1
37	TM-3792	TERMINALS, MARK, 3	1
38	TM-3932	TERMINAL, GROUND	1
39	TM-33479	TERMINALS, MARK, N	1
40	TM-33675	JUMPER STRIP	4
41	TM-34305	TERMINAL, SCREWLESS END	7
42	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
43	TM-34309	TERMINAL, END SECTION, SPRING	1
44	TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	1
45	TM-34905	TERMINAL, 4-POLE GREEN, MSTB	1
46	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
47	WS-22294	WASHER, FLAT M4 18-8 S/S	4
48	WS-22299	WASHER, M3 SPLIT LOCK	2
49	WS-22300	WASHER, M4 SPLIT LOCK	4

*NOT SHOWN

PARTS INFORMATION

CTC10-20G, 120V



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CTC10-20G, 120V - CONTINUED

5016214

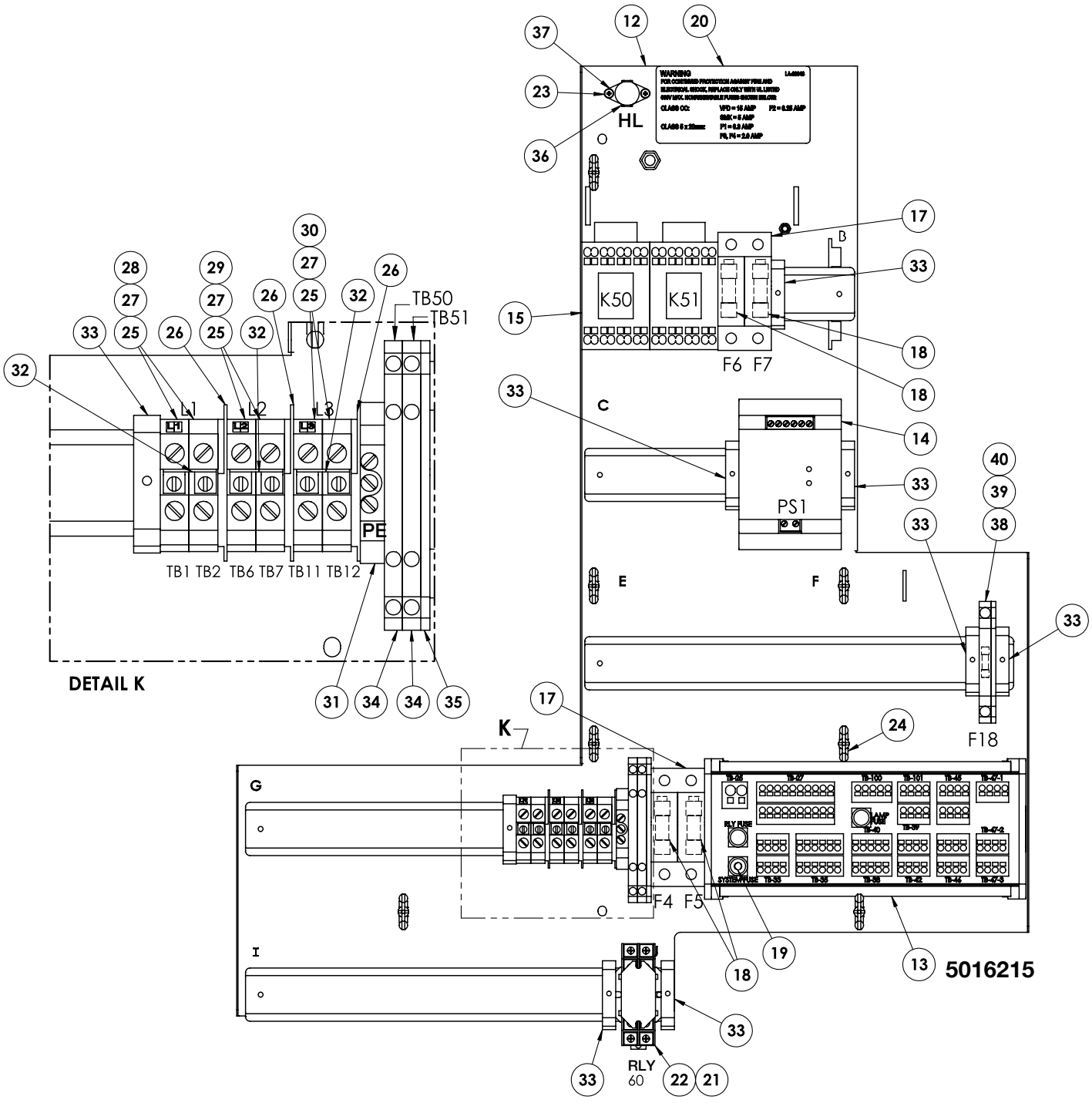
Item	Part	Description	Qty.
1	*–	WIRE ASSY, 10-20 G 120V, 208V	1
2	*–	WIRE ASSY, ALL G, ALL VOLTAGE	1
3	*–	20-20 COMMON WIRE SET	1
4	*–	WIRE ASSY, TT EB, E, G	1
5	*–	WIRE ASSY, 10-20EB, E, G ALL	1
6	*–	WIRE ASSY, TT EB, E, G ALL V	1
7	*–	WIRE ASSY, TT EB, E, G ALL V	1
8	*–	WIRE SET	1
9	*–	WIRE ASSEMBLY	1
10	*–	WIRING ASSEMBLY	1
11	*–	WIRE ASSEMBLY	1
12	5016893	PANEL ASSY, ELECTRICAL CHASSIS	1
13	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
14	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
15	CN-34343	CONTACTOR, 120V, 25A	2
16	*–	ENVELOPE, PRESS ON	1
17	FU-34771	FUSE HOLDER, 2 BANK	2
18	FU-34772	FUSE, 15 AMP	4
19	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
20	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1
21	–	LABEL, FUSE WARNING	1

Item	Part	Description	Qty.
22	MO-34393	CAPACITOR, MOTOR, 40 MFD, 240VAC	2
23	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
24	RL-34634	UNIVERSAL MOUNTING SOCKET	1
25	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
26	*TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	7
27	TM-3779	TERMINAL BLOCK	6
28	TM-3785	PARTITION	3
29	TM-3788	TERMINALS, MARK, L	3
30	TM-3790	TERMINALS, MARK, 1	1
31	TM-3791	TERMINALS, MARK, 2	1
32	TM-3792	TERMINALS, MARK, 3	1
33	TM-3932	TERMINAL, GROUND	1
34	TM-33675	JUMPER STRIP	3
35	TM-34305	TERMINAL, SCREWLESS END	8
36	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
37	TM-34309	TERMINAL, END SECTION, SPRING	1
38	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
39	TM-34315	TERMINAL, END PLATE	1
40	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
41	WS-22299	WASHER, M3 SPLIT LOCK	2

*NOT SHOWN

PARTS INFORMATION

CTC10-20G, 208V, 3PH



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CTC10-20G, 208V, 3PH - CONTINUED

5016215

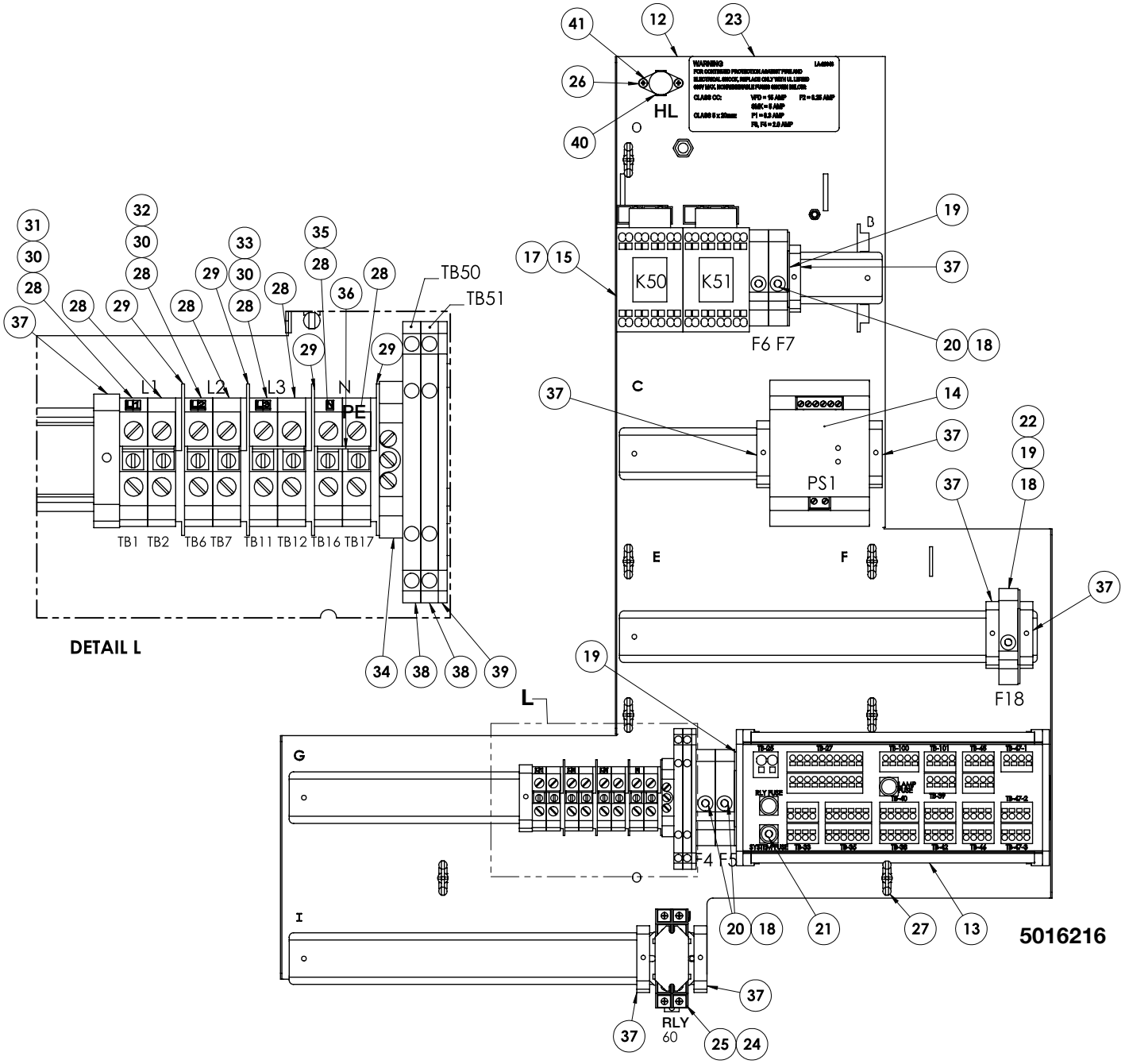
Item	Part	Description	Qty.
1	*–	WIRE ASSY, TT 208V, 380V, 440V	1
2	*–	WIRE ASSY, 10-20G 120V, 208V	1
3	*–	WIRE ASSY, ALL G, ALL VOLTAGE	1
4	*–	20-20 COMMON WIRE SET	1
5	*–	WIRE ASSY, TT EB, E, G	1
6	*–	WIRE ASSY, 10-20EB, E, G ALL	1
7	*–	WIRE ASSY, TT EB, E, G ALL V	1
8	*–	WIRE ASSY, TT EB, E, G ALL V	1
9	*–	WIRE ASSEMBLY	1
10	*–	WIRING ASSEMBLY	1
11	*–	WIRE ASSEMBLY	1
12	5016893	PANEL ASSY, ELECTRICAL CHASSIS	1
13	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
14	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
15	CN-34304	CONTACTOR, 240V, 25A	2
16	*–	ENVELOPE, PRESS ON	1
17	FU-34771	FUSE HOLDER, 2 BANK	2
18	FU-34772	FUSE, 15 AMP	4
19	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
20	–	LABEL, FUSE WARNING	1

Item	Part	Description	Qty.
21	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
22	RL-34634	UNIVERSAL MOUNTING SOCKET	1
23	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
24	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	7
25	TM-3779	TERMINAL BLOCK	6
26	TM-3785	PARTITION	3
27	TM-3788	TERMINALS, MARK, L	3
28	TM-3790	TERMINALS, MARK, 1	1
29	TM-3791	TERMINALS, MARK, 2	1
30	TM-3792	TERMINALS, MARK, 3	1
31	TM-3932	TERMINAL, GROUND	1
32	TM-33675	JUMPER STRIP	3
33	TM-34305	TERMINAL, SCREWLESS END	8
34	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
35	TM-34309	TERMINAL, END SECTION, SPRING	1
36	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
37	WS-22299	WASHER, M3 SPLIT LOCK	2
38	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
39	TM-34315	TERMINAL, END PLATE	1
40	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1

*NOT SHOWN

PARTS INFORMATION

CTC10-20G, 380V, 3PH



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CTC10-20G, 380V, 3PH - CONTINUED

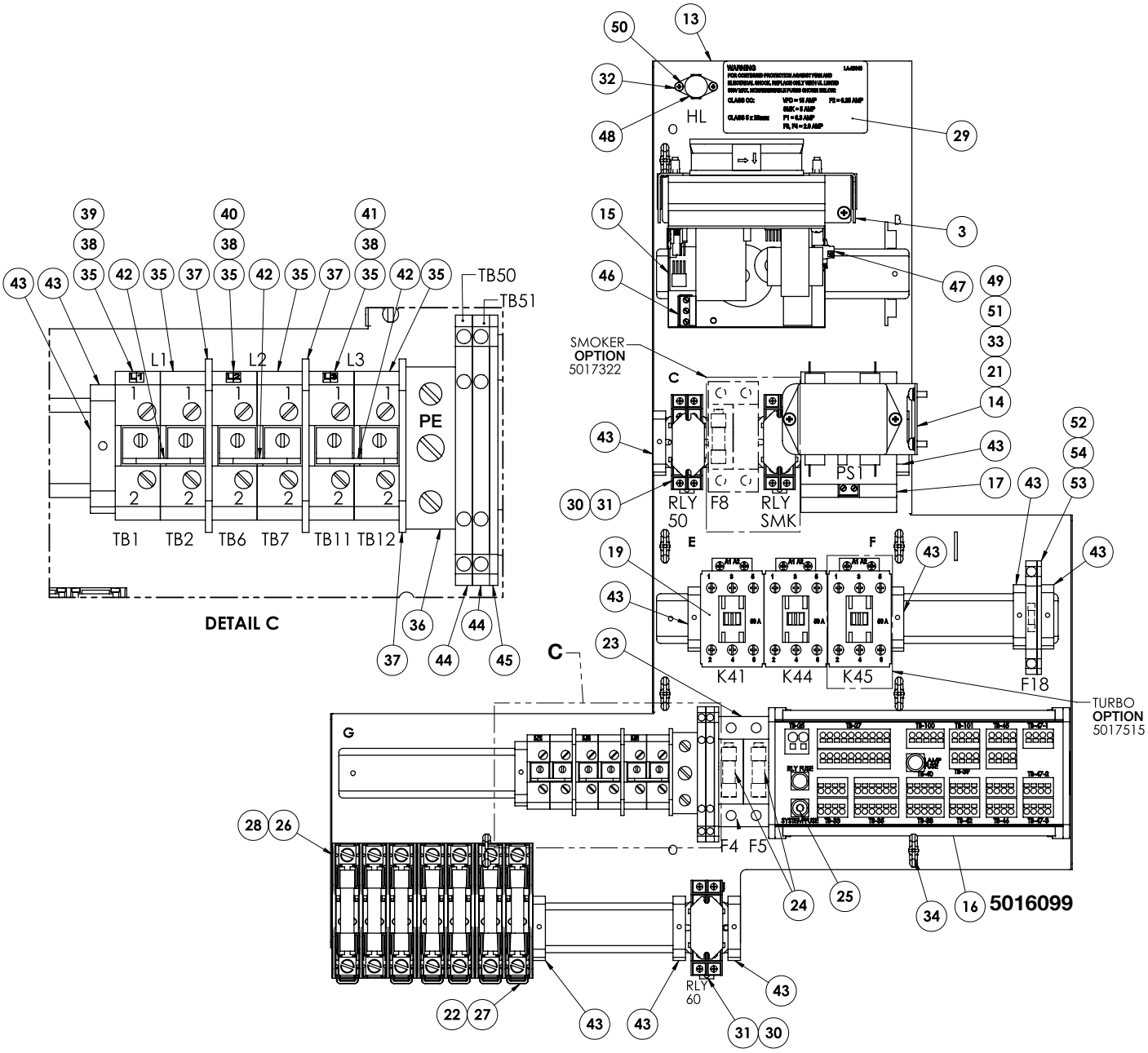
5016216

Item	Part	Description	Qty.
1	*–	WIRE ASSY, TT 208V, 380V, 440V	1
2	*–	WIRE ASSY, 10-20G 120V, 208V	1
3	*–	WIRE ASSY, ALL G, ALL VOLTAGE	1
4	*–	20-20 COMMON WIRE SET	1
5	*–	WIRE ASSY, TT EB, E, G	1
6	*–	WIRE ASSY, 10-20EB, E, G ALL	1
7	*–	WIRE ASSY, TT EB, E, G ALL V	1
8	*–	WIRE ASSY, TT EB, E, G ALL V	1
9	*–	WIRE ASSEMBLY	1
10	*–	WIRING ASSEMBLY	1
11	*–	WIRE ASSEMBLY	1
12	5016893	PANEL ASSY, ELECTRICAL CHASSIS	1
13	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
14	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
15	CN-34304	CONTACTOR, 240V, 25A	2
16	*–	ENVELOPE, PRESS ON	1
17	FI-34492	FILTER, FOR SPRING CLAMP	2
18	FU-33451	FUSE, TERMINAL, 6.3A	5
19	FU-34749	FUSE, HOLDER COVER	3
20	FU-34921	FUSE, NEOZED, 15A	4
21	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
22	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1
23	–	LABEL, FUSE WARNING	1
24	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
25	RL-34634	UNIVERSAL MOUNTING SOCKET	1
26	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
27	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	7
28	TM-3779	TERMINAL BLOCK	8
29	TM-3785	PARTITION	4
30	TM-3788	TERMINALS, MARK, L	3
31	TM-3790	TERMINALS, MARK, 1	1
32	TM-3791	TERMINALS, MARK, 2	1
33	TM-3792	TERMINALS, MARK, 3	1
34	TM-3932	TERMINAL, GROUND	1
35	TM-33479	TERMINALS, MARK, N	1
36	TM-33675	JUMPER STRIP	4
37	TM-34305	TERMINAL, SCREWLESS END	8
38	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
39	TM-34309	TERMINAL,END SECTION, SPRING	1
40	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
41	WS-22299	WASHER, M3 SPLIT LOCK	2

*NOT SHOWN

PARTS INFORMATION

CTP10-20E, 208V, 3PH



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CTP10-20E, 208V, 3PH - CONTINUED

5016099

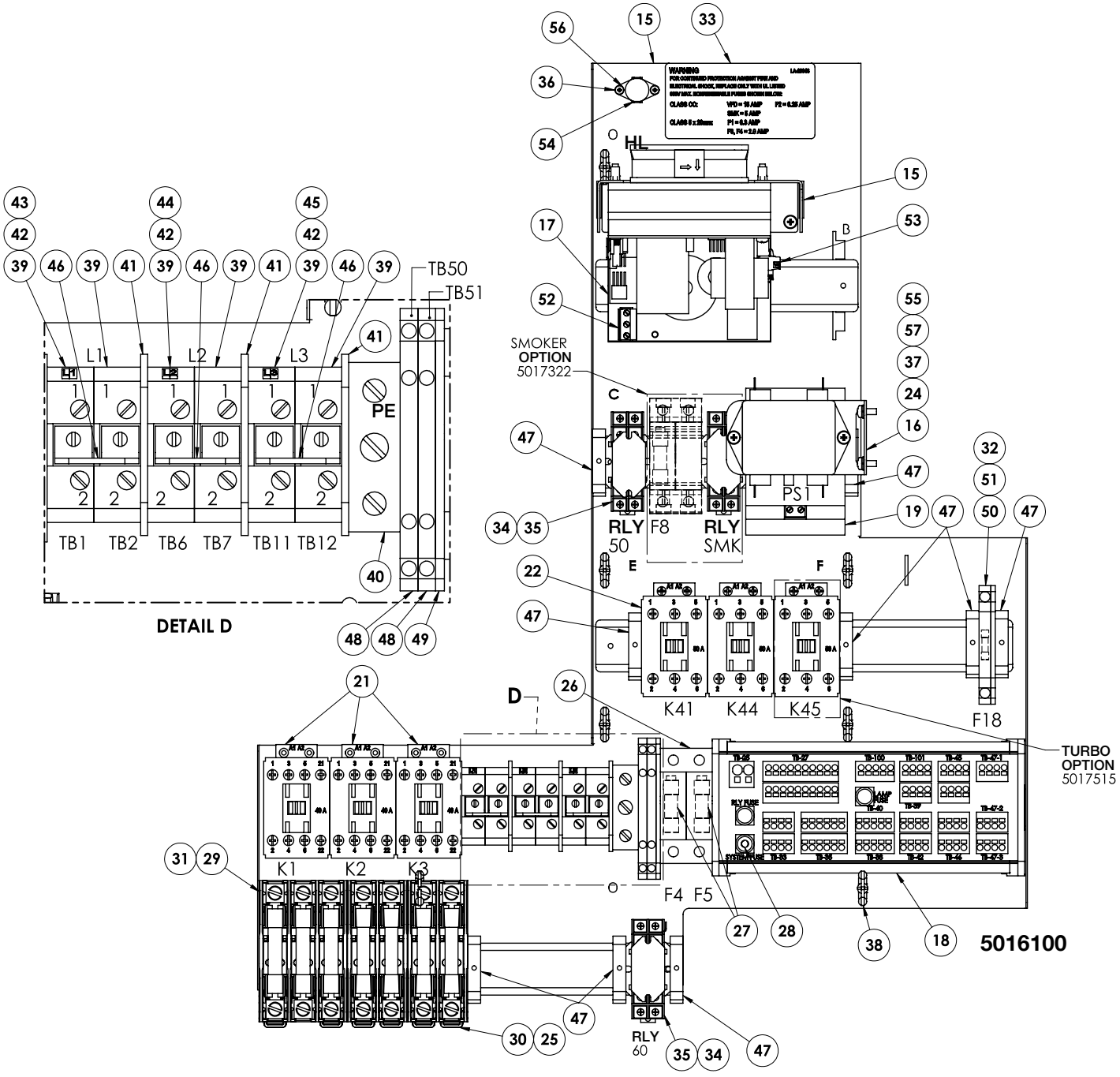
Item	Part	Description	Qty.
1	*–	WIRE ASSY, TT 208V, 380V, 440V	1
2	*–	WIRE ASSY, 10-20 E 208V 3PH	1
3	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	1
4	*–	20-20 COMMON WIRE SET	1
5	*–	WIRE ASSY, TT EB, E, G	1
6	*–	WIRE ASSY, 10-20 EB, E ALL	1
7	*–	WIRE ASSY, TT EB, E, G ALL V	1
8	*–	WIRE ASSY, TT EB, E, G ALL V	1
9	*–	WIRE ASSY, 6-10, 10-10, 7-20, 10-20 EB/E/G	1
10	*–	WIRE ASSEMBLY	1
11	*–	WIRING ASSEMBLY	1
12	*–	KIT, BROWNING VALVE MOTOR	1
13	5016893	PANEL ASSY, ELECTRICAL CHASSIS	1
14	5017026	BRACKET, FILTER LINE, ASSEMBLY	1
15	BA-34676	BOARD, VF MOTOR DRIVE	1
16	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
17	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
18	*CB-35777	CABLE, CAN-FAN, 4 POLE	1
19	CN-3731	CONTACTOR, 50 AMP	2
20	*–	ENVELOPE, PRESS ON	1
21	FI-33225	FILTER LINE 115/250V 50/60HZ	1
22	FU-33040	45A, MP, CLASS G, 480V MED. TIME-LAG	4
23	FU-34771	FUSE HOLDER, 2 BANK	1
24	FU-34772	FUSE, 15 AMP	2
25	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
26	FU-35728	FUSE HOLDER, 60 AMP 480V CLASS G	1
27	FU-35733	FUSE HOLDER, 60 AMP 480V CLASS G	2

Item	Part	Description	Qty.
28	FU-35734	FUSE, 60 AMP, SLC CLASS G	3
29	–	LABEL, FUSE WARNING	1
30	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	2
31	RL-34634	UNIVERSAL MOUNTING SOCKET	2
32	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
33	SC-22273	SCREW, M4 x 0.7 x 10mm PAN	4
34	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	7
35	TM-3780	TERMINALS, 35mm	6
36	TM-3782	TERMINAL, GROUND, 35mm	1
37	TM-3786	TERMINAL, 35mm WALL, PART	3
38	TM-3788	TERMINALS, MARK, L	3
39	TM-3790	TERMINALS, MARK, 1	1
40	TM-3791	TERMINALS, MARK, 2	1
41	TM-3792	TERMINALS, MARK, 3	1
42	TM-33837	JUMPER STRIP	3
43	TM-34305	TERMINAL, SCREWLESS END	10
44	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
45	TM-34309	TERMINAL, END SECTION, SPRING	1
46	TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	1
47	TM-34905	TERMINAL, 4-POLE GREEN, MSTB	1
48	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
49	WS-22294	WASHER, FLAT M4 18-8 S/S	4
50	WS-22299	WASHER, M3 SPLIT LOCK	2
51	WS-22300	WASHER, M4 SPLIT LOCK	4
52	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
53	TM-34315	TERMINAL, END PLATE	1
54	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1

*NOT SHOWN

PARTS INFORMATION

CTP10-20EB, 208V, 3PH



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CTP10-20EB, 208V, 3PH - CONTINUED

5016100

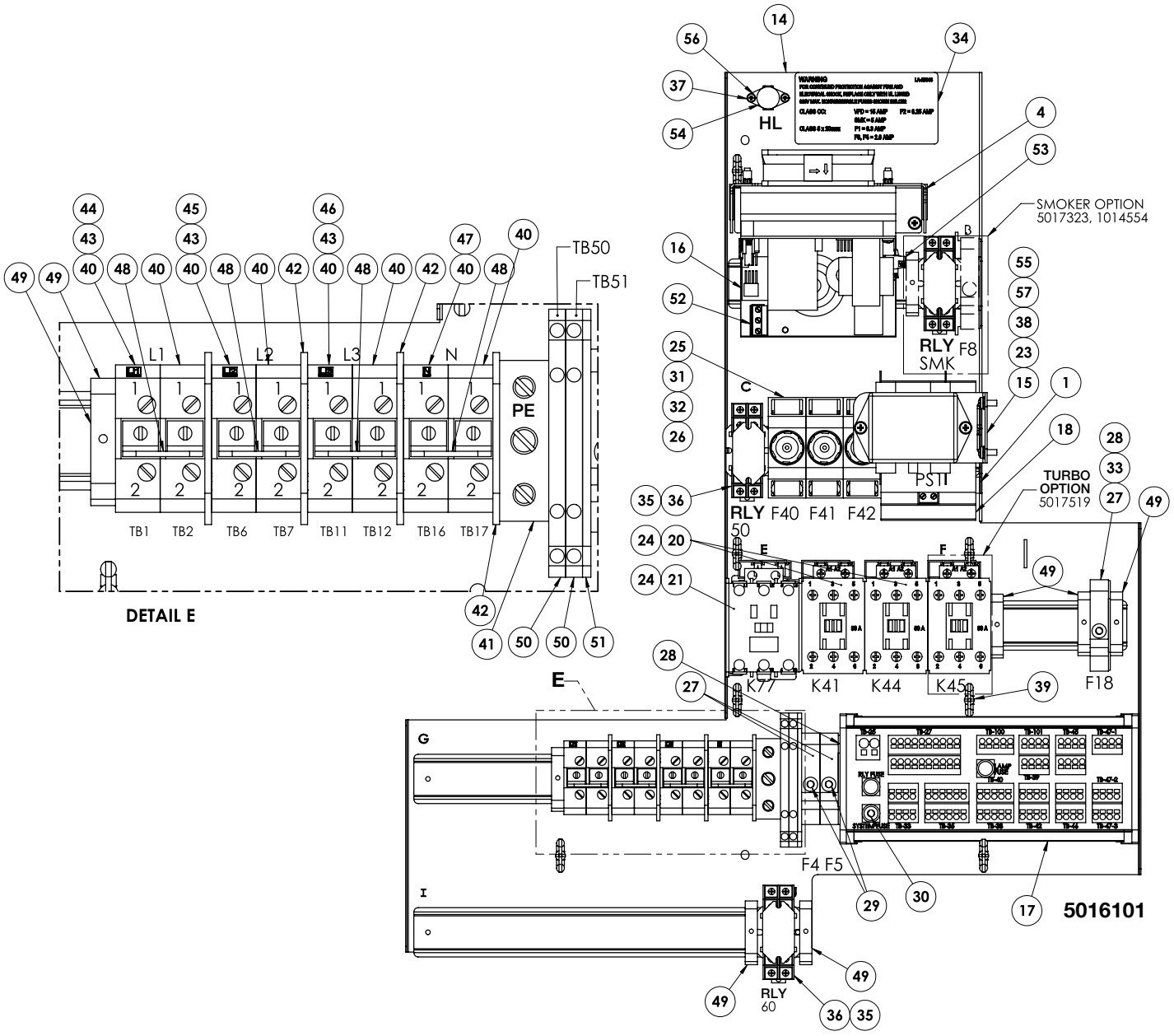
Item	Part	Description	Qty.
1	* –	WIRE ASSY, 10-20, 20-10, 20-20 EB	1
2	*–	WIRE ASSY, TT 208V, 380V, 440V	1
3	*–	WIRE ASSY, 10-20 E 208V 3PH	1
4	*5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	1
5	*–	20-20 COMMON WIRE SET	1
6	*–	WIRE ASSY, TT EB, E, G	1
7	*–	WIRE ASY, 10-20EB ALL VOLTAGE	1
8	*–	WIRE ASSY, 10-20 EB, E ALL	1
9	*–	WIRE ASSY, TT EB, E, G ALL V	1
10	*–	WIRE ASSY, TT EB, E, G ALL V	1
11	*–	WIRE ASSY, 6-10, 10-10, 7-20, 10-20 EB/E/G	1
12	*–	WIRE ASSEMBLY	1
13	*–	WIRING ASSEMBLY	1
14	*–	KIT, BROWNING VALVE MOTOR	1
15	5016893	PANEL ASSY, ELECTRICAL CHASSIS	1
16	5017026	BRACKET, FILTER LINE, ASSEMBLY	1
17	BA-34676	BOARD, VF MOTOR DRIVE	1
18	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
19	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
20	*CB-35777	CABLE, CAN-FAN, 4 POLE	1
21	CN-3654	CONTACTOR, 40A	3
22	CN-3731	CONTACTOR, 50 AMP	2
23	*–	ENVELOPE, PRESS ON	1
24	FI-33225	FILTER LINE 115/250V 50/60HZ	1
25	FU-33040	45A, MP, CLASS G, 480V MED. TIME-LAG	4
26	FU-34771	FUSE HOLDER, 2 BANK	1
27	FU-34772	FUSE, 15 AMP	2
28	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
29	FU-35728	FUSE HOLDER, 60 AMP 480V CLASS G	1

Item	Part	Description	Qty.
30	FU-35733	FUSE HOLDER, 60 AMP 480V CLASS G	2
31	FU-35734	FUSE, 60 AMP, SLC CLASS G	3
32	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1
33	–	LABEL, FUSE WARNING	1
34	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	2
35	RL-34634	UNIVERSAL MOUNTING SOCKET	2
36	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
37	SC-22273	SCREW, M4 x 0.7 x 10mm PAN	4
38	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	7
39	TM-3780	TERMINALS, 35mm	6
40	TM-3782	TERMINAL, GROUND, 35mm	1
41	TM-3786	TERMINAL, 35mm WALL, PART	3
42	TM-3788	TERMINALS, MARK, L	3
43	TM-3790	TERMINALS, MARK, 1	1
44	TM-3791	TERMINALS, MARK, 2	1
45	TM-3792	TERMINALS, MARK, 3	1
46	TM-33837	JUMPER STRIP	3
47	TM-34305	TERMINAL, SCREWLESS END	9
48	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
49	TM-34309	TERMINAL, END SECTION, SPRING	1
50	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
51	TM-34315	TERMINAL, END PLATE	1
52	TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	1
53	TM-34905	TERMINAL, 4-POLE GREEN, MSTB	1
54	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
55	WS-22294	WASHER, FLAT M4 18-8 S/S	4
56	WS-22299	WASHER, M3 SPLIT LOCK	2
57	WS-22300	WASHER, M4 SPLIT LOCK	4

*NOT SHOWN

PARTS INFORMATION

CTP10-20E, 380V, 3PH



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CTP10-20E, 380V, 3PH - CONTINUED

5016101

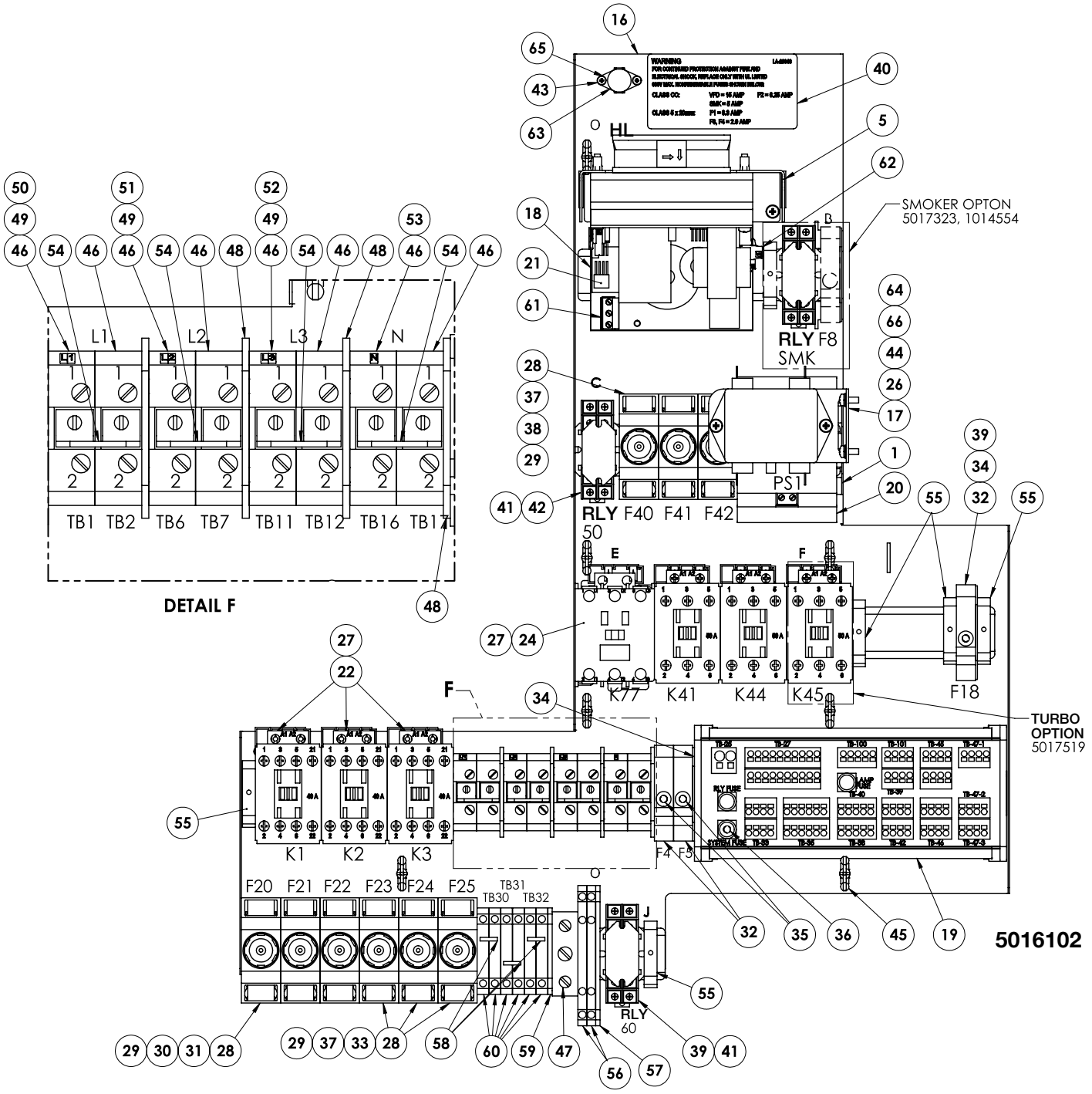
Item	Part	Description	Qty.
1	1014554	BRACKET, DIN STOP	1
2	*–	WIRE ASSY, TT 208V, 380V, 440V	1
3	*–	WIRE ASSY, 10-20 E 380V TOUCH	1
4	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	1
5	*–	20-20 COMMON WIRE SET	1
6	*–	WIRE ASSY, TT EB, E, G	1
7	*–	WIRE ASSY, 10-20 EB, E ALL	1
8	*–	WIRE ASSY, TT EB, E, G ALL V	1
9	*–	WIRE ASSY, TT EB, E, G ALL V	1
10	*–	WIRE ASSY, 6-10, 10-10, 7-20, 10-20 EB/E/G	1
11	*–	WIRE ASSEMBLY	1
12	*–	WIRING ASSEMBLY	1
13	*–	KIT, BROWNING VALVE MOTOR	1
14	5016893	PANEL ASSY, ELECTRICAL CHASSIS	1
15	5017026	BRACKET, FILTER LINE, ASSEMBLY	1
16	BA-34676	BOARD, VF MOTOR DRIVE	1
17	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
18	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
19	*CB-35777	CABLE, CAN-FAN, 4 POLE	1
20	CN-3731	CONTACTOR, 50 AMP	2
21	CN-36605	CONTACTOR, 3POLE, WITH AC COIL	1
22	*–	ENVELOPE, PRESS ON	1
23	FI-33225	FILTER LINE 115/250V 50/60HZ	1
24	FI-33990	EMI FILTER	3
25	FU-33444	FUSE, DO2 NEOZED BASE & COVER	3
26	FU-33445	FUSE, DO2 NEOZED SCREW CAP	3
27	FU-33451	FUSE, TERMINAL, 6.3A	3
28	FU-34749	FUSE, HOLDER COVER	2
29	FU-34921	FUSE, NEOZED, 15A	2

Item	Part	Description	Qty.
30	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
31	FU-35497	FUSE, DO2 NEOZED GAUGE RING 50A	3
32	FU-35850	FUSE, DO2 NEOZED 50A, WHITE	3
33	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1
34	–	LABEL, FUSE WARNING	1
35	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	2
36	RL-34634	UNIVERSAL MOUNTING SOCKET	2
37	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
38	SC-22273	SCREW, M4 x 0.7 x 10mm PAN	4
39	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	7
40	TM-3780	TERMINALS, 35mm	8
41	TM-3782	TERMINAL, GROUND, 35mm	1
42	TM-3786	TERMINAL, 35mm WALL, PART	4
43	TM-3788	TERMINALS, MARK, L	3
44	TM-3790	TERMINALS, MARK, 1	1
45	TM-3791	TERMINALS, MARK, 2	1
46	TM-3792	TERMINALS, MARK, 3	1
47	TM-33479	TERMINALS, MARK, N	1
48	TM-33837	JUMPER STRIP	4
49	TM-34305	TERMINAL, SCREWLESS END	6
50	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
51	TM-34309	TERMINAL, END SECTION, SPRING	1
52	TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	1
53	TM-34905	TERMINAL, 4-POLE GREEN, MSTB	1
54	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
55	WS-22294	WASHER, FLAT M4 18-8 S/S	4
56	WS-22299	WASHER, M3 SPLIT LOCK	2
57	WS-22300	WASHER, M4 SPLIT LOCK	4

*NOT SHOWN

PARTS INFORMATION

CTP10-20EB, 380V, 3PH



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CTP10-20EB, 380V, 3PH - CONTINUED

5016102

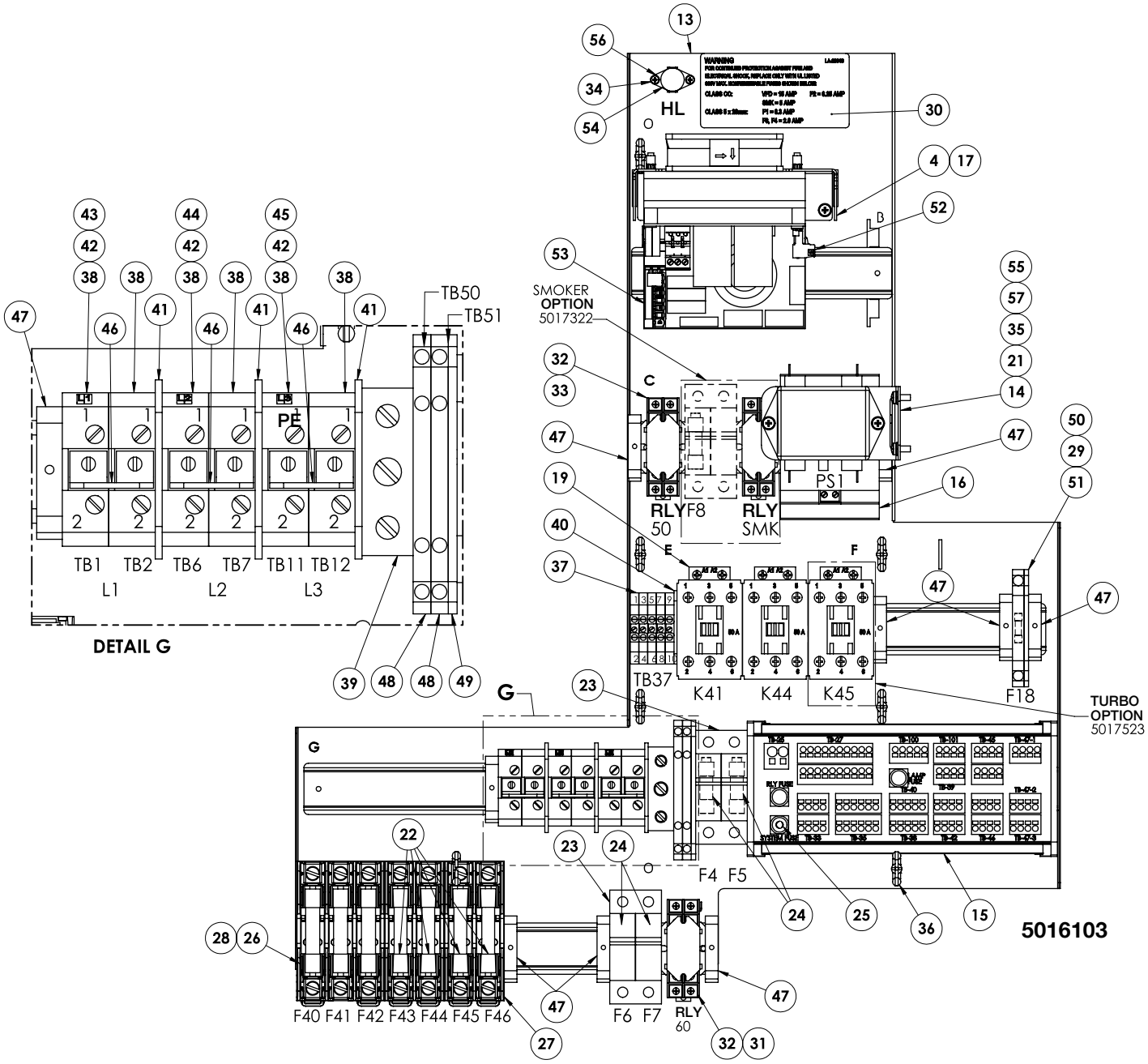
Item	Part	Description	Qty.
1	1014554	BRACKET, DIN STOP	1
2	*–	WIRE ASSY, TT 208V, 380V, 440V	1
3	*–	WIRE ASSY, 10-20 EB 380V 3PH	1
4	*–	WIRE ASSY, 10-20 E 380V TOUCH	1
5	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	1
6	*–	20-20 COMMON WIRE SET	1
7	*–	WIRE ASSY, TT EB, E, G	1
8	*–	WIRE ASY, 10-20EB ALL VOLTAGE	1
9	*–	WIRE ASSY, 10-20 EB, E ALL	1
10	*–	WIRE ASSY, TT EB, E,G ALL V	1
11	*–	WIRE ASSY, TT EB, E, G ALL V	1
12	*–	WIRE ASSY, 6-10, 10-10, 7-20, 10-20 EB/E/G	1
13	*–	WIRE ASSEMBLY	1
14	*–	WIRING ASSEMBLY	1
15	*–	KIT, BROWNING VALVE MOTOR	1
16	5016893	PANEL ASSY, ELECTRICAL CHASSIS,	1
17	5017026	BRACKET, FILTER LINE, ASSEMBLY	1
18	BA-34676	BOARD, VF MOTOR DRIVE	1
19	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
20	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
21	CB-35777	CABLE, CAN-FAN, 4 POLE	1
22	CN-3654	CONTACTOR, 40A	3
23	*CN-3731	CONTACTOR, 50 AMP	2
24	CN-36605	CONTACTOR, 3POLE, WITH AC COIL	1
25	*–	ENVELOPE, PRESS ON	1
26	FI-33225	FILTER LINE 115/250V 50/60HZ	1
27	FI-33990	EMI FILTER	6
28	FU-33444	FUSE, DO2 NEOZED BASE & COVER	9
29	FU-33445	FUSE, DO2 NEOZED SCREW CAP	9
30	FU-33447	FUSE, DO2 NEOZED GAUGE RING 20A	3
31	FU-33450	FUSE, DO2 NEOZED 20A, BLUE	3
32	FU-33451	FUSE, TERMINAL, 6.3A	3
33	FU-34608	FUSE, DO2 NEOZED 35A, BLACK	3

Item	Part	Description	Qty.
34	FU-34749	FUSE, HOLDER COVER	2
35	FU-34921	FUSE, NEOZED, 15A	2
36	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
37	FU-35497	FUSE, DO2 NEOZED GAUGE RING 50A	6
38	FU-35850	FUSE, DO2 NEOZED 50A, WHITE	3
39	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1
40	–	LABEL, FUSE WARNING	1
41	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	2
42	RL-34634	UNIVERSAL MOUNTING SOCKET	2
43	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
44	SC-22273	SCREW, M4 x 0.7 x 10mm PAN	4
45	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	7
46	TM-3780	TERMINALS, 35mm	8
47	TM-3782	TERMINAL, GROUND, 35mm	1
48	TM-3786	TERMINAL, 35mm WALL, PART	4
49	TM-3788	TERMINALS, MARK, L	3
50	TM-3790	TERMINALS, MARK, 1	1
51	TM-3791	TERMINALS, MARK, 2	1
52	TM-3792	TERMINALS, MARK, 3	1
53	TM-33479	TERMINALS, MARK, N	1
54	TM-33837	JUMPER STRIP	4
55	TM-34305	TERMINAL, SCREWLESS END	5
56	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
57	TM-34309	TERMINAL, END SECTION, SPRING	1
58	TM-34310	JUMPER BAR	3
59	TM-34437	PARTITION WALL, 1 POLE	1
60	TM-34438	TERMINAL, SPRING CLAMP, 1 POLE	6
61	TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	1
62	TM-34905	TERMINAL, 4-POLE GREEN, MSTB	1
63	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
64	WS-22294	WASHER, FLAT M4 18-8 S/S	4
65	WS-22299	WASHER, M3 SPLIT LOCK	2
66	WS-22300	WASHER, M4 SPLIT LOCK	4

*NOT SHOWN

PARTS INFORMATION

CTP10-20E, 440V, 3PH



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CTP10-20E, 440V, 3PH - CONTINUED

5016103

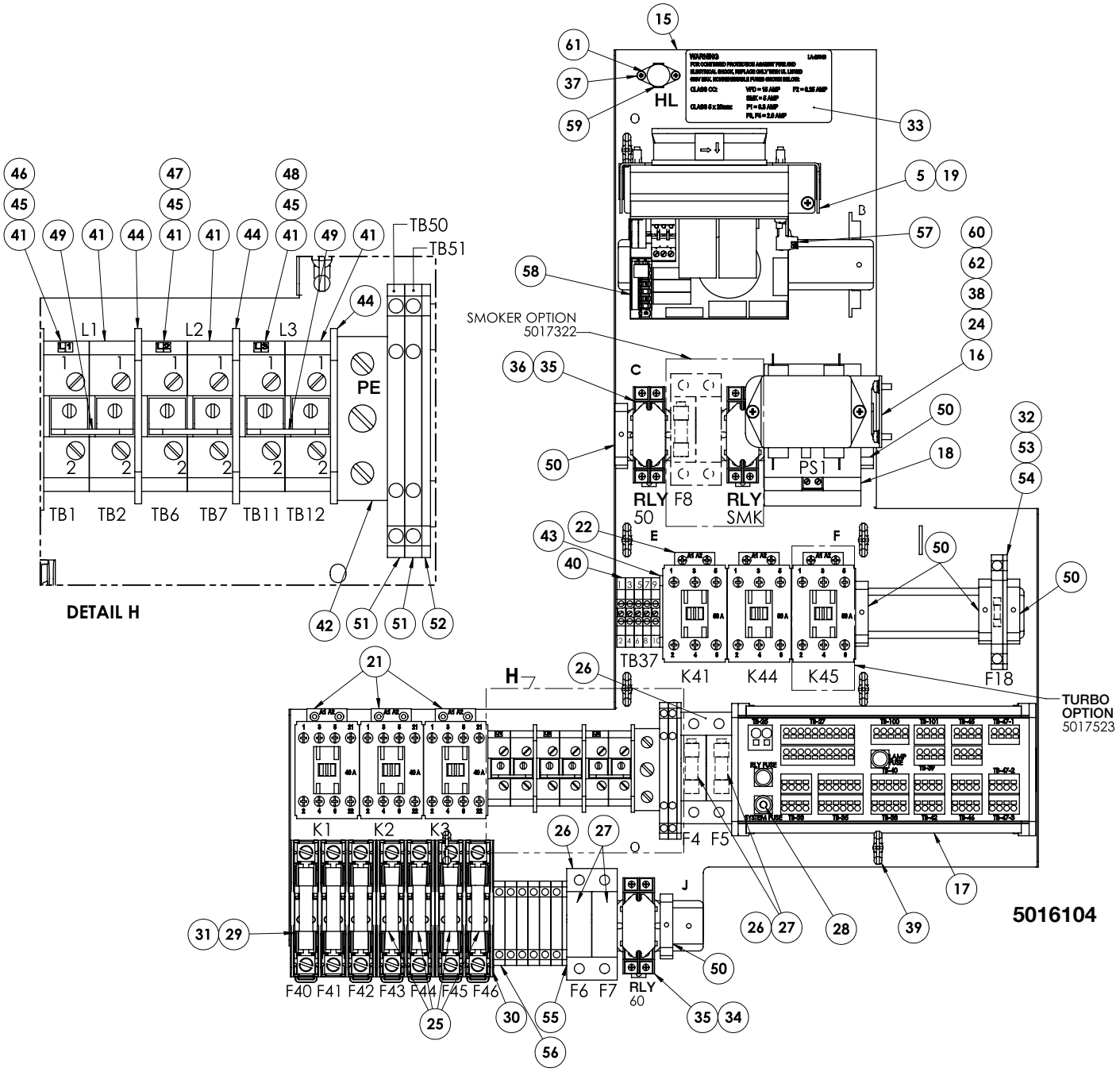
Item	Part	Description	Qty.
1	*–	WIRE ASSY, 6-10, 10-10, 7-20 EB	1
2	*–	WIRE ASSY, 440V POWER CVRSN	1
3	*–	WIRE ASSY, 10-20 E 440V TOUCH	1
4	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	1
5	*–	20-20 COMMON WIRE SET	1
6	*–	WIRE ASSY, TT EB, E, G	1
7	*–	WIRE ASSY, 10-20 EB, E ALL	1
8	*–	WIRE ASSY, TT EB, E, G ALL V	1
9	*–	WIRE ASSY, TT EB, E, G ALL V	1
10	*–	WIRE ASSY, 6-10, 10-10, 7-20, 10-20 EB/E/G	1
11	*–	WIRING ASSEMBLY	1
12	*–	KIT, BROWNING VALVE MOTOR	1
13	5016893	PANEL ASSY, ELECTRICAL CHASSIS	1
14	5017026	BRACKET, FILTER LINE, ASSEMBLY	1
15	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
16	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
17	BA-35776	BOARD, VF MOTOR DRIVE	1
18	*CB-35777	CABLE, CAN-FAN, 4 POLE	1
19	CN-3731	CONTACTOR, 50 AMP	2
20	*–	ENVELOPE, PRESS ON	1
21	FI-33225	FILTER LINE 115/250V 50/60HZ	1
22	FU-33040	45A, MP, CLASS G, 480V MED. TIME-LAG	4
23	FU-34771	FUSE HOLDER, 2 BANK	2
24	FU-34772	FUSE, 15 AMP	4
25	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
26	FU-35728	FUSE HOLDER, 60 AMP 480V CLASS G	1
27	FU-35733	FUSE HOLDER, 60 AMP 480V CLASS G	2
28	FU-35734	FUSE, 60 AMP, SLC CLASS G	3
29	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1

Item	Part	Description	Qty.
30	–	LABEL, FUSE WARNING	1
31	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
32	RL-34634	UNIVERSAL MOUNTING SOCKET	2
33	RL-36100	RELAY, DPDT, 12VDC	1
34	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
35	SC-22273	SCREW, M4 x 0.7 x 10mm PAN	4
36	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	7
37	TM-3778	TERMINALS, 4mm	5
38	TM-3780	TERMINALS, 35mm	6
39	TM-3782	TERMINAL, GROUND, 35mm	1
40	TM-3783	TERMINAL, WALL, 4mm	1
41	TM-3786	TERMINAL, 35mm WALL, PART	3
42	TM-3788	TERMINALS, MARK, L	3
43	TM-3790	TERMINALS, MARK, 1	1
44	TM-3791	TERMINALS, MARK, 2	1
45	TM-3792	TERMINALS, MARK, 3	1
46	TM-33837	JUMPER STRIP	3
47	TM-34305	TERMINAL, SCREWLESS END	9
48	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
49	TM-34309	TERMINAL, END SECTION, SPRING	1
50	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
51	TM-34315	TERMINAL, END PLATE	1
52	TM-34905	TERMINAL, 4-POLE GREEN, MSTB	1
53	TM-34937	TERMINAL, 7-POLE GREEN, MSTB	1
54	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
55	WS-22294	WASHER, FLAT M4 18-8 S/S	4
56	WS-22299	WASHER, M3 SPLIT LOCK	2
57	WS-22300	WASHER, M4 SPLIT LOCK	4

*NOT SHOWN

PARTS INFORMATION

CTP10-20EB, 440V, 3PH



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CTP10-20EB, 440V, 3PH - CONTINUED

5016104

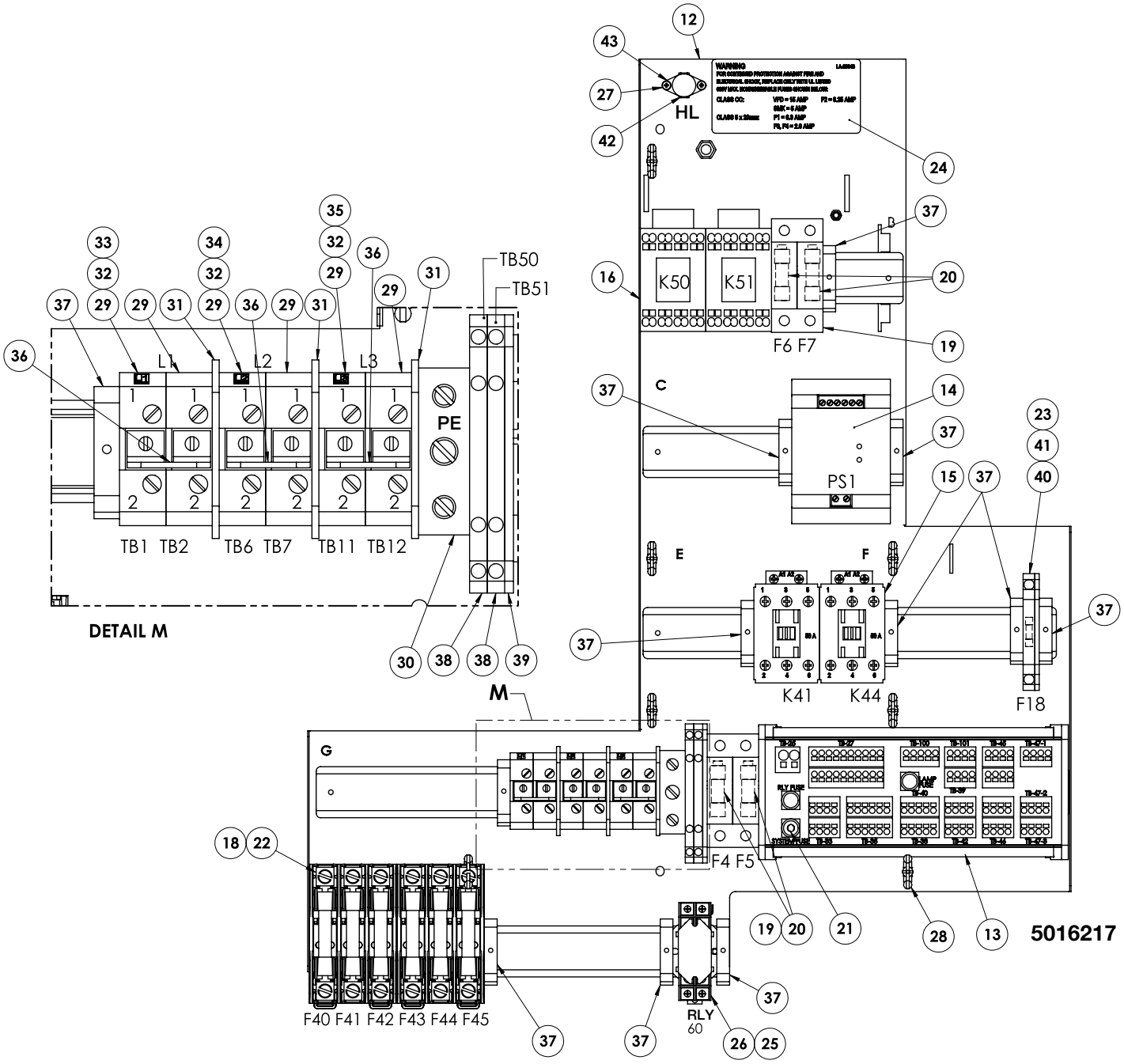
Item	Part	Description	Qty.
1	*–	WIRE ASSY, 6-10, 10-10, 7-20 EB	1
2	*–	WIRE ASSY, 440V POWER CVRSN	1
3	*–	WIRE ASSY, 10-20 E 440V TOUCH	1
4	*–	WIRE ASSY, 10-20, 20-10, 20-20 EB	1
5	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	1
6	*–	20-20 COMMON WIRE SET	1
7	*–	WIRE ASSY, TT EB, E, G	1
8	*–	WIRE ASY, 10-20EB ALL VOLTAGE	1
9	*–	WIRE ASSY, 10-20 EB, E ALL	1
10	*–	WIRE ASSY, TT EB, E, G ALL V	1
11	*–	WIRE ASSY, TT EB, E, G ALL V	1
12	*–	WIRE ASSY, 6-10, 10-10, 7-20, 10-20 EB/E/G	1
13	*–	WIRING ASSEMBLY	1
14	*–	KIT, BROWNING VALVE MOTOR	1
15	5016893	PANEL ASSY, ELECTRICAL CHASSIS	1
16	5017026	BRACKET, FILTER LINE, ASSEMBLY	1
17	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
18	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
19	BA-35776	BOARD, VF MOTOR DRIVE	1
20	*CB-35777	CABLE, CAN-FAN, 4 POLE	1
21	CN-3654	CONTACTOR, 40A	3
22	CN-3731	CONTACTOR, 50 AMP	2
23	*–	ENVELOPE, PRESS ON	1
24	FI-33225	FILTER LINE 115/250V 50/60HZ	1
25	FU-33040	45A, MP, CLASS G, 480V MED. TIME-LAG	4
26	FU-34771	FUSE HOLDER, 2 BANK	2
27	FU-34772	FUSE, 15 AMP	4
28	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
29	FU-35728	FUSE HOLDER, 60 AMP 480V CLASS G	1
30	FU-35733	FUSE HOLDER, 60 AMP 480V CLASS G	2
31	FU-35734	FUSE, 60 AMP, SLC CLASS G	3

Item	Part	Description	Qty.
32	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1
33	–	LABEL, FUSE WARNING	1
34	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
35	RL-34634	UNIVERSAL MOUNTING SOCKET	2
36	RL-36100	RELAY, DPDT, 12VDC	1
37	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
38	SC-22273	SCREW, M4 x 0.7 x 10mm PAN	4
39	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	7
40	TM-3778	TERMINALS, 4mm	5
41	TM-3780	TERMINALS, 35mm	6
42	TM-3782	TERMINAL, GROUND, 35mm	1
43	TM-3783	TERMINAL, WALL, 4mm	1
44	TM-3786	TERMINAL, 35mm WALL, PART	3
45	TM-3788	TERMINALS, MARK, L	3
46	TM-3790	TERMINALS, MARK, 1	1
47	TM-3791	TERMINALS, MARK, 2	1
48	TM-3792	TERMINALS, MARK, 3	1
49	TM-33837	JUMPER STRIP	3
50	TM-34305	TERMINAL, SCREWLESS END	6
51	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
52	TM-34309	TERMINAL, END SECTION, SPRING	1
53	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
54	TM-34315	TERMINAL, END PLATE	1
55	TM-34437	PARTITION WALL, 1 POLE	1
56	TM-34438	TERMINAL, SPRING CLAMP, 1 POLE	6
57	TM-34905	TERMINAL, 4-POLE GREEN, MSTB	1
58	TM-34937	TERMINAL, 7-POLE GREEN, MSTB	1
59	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
60	WS-22294	WASHER, FLAT M4 18-8 S/S	4
61	WS-22299	WASHER, M3 SPLIT LOCK	2
62	WS-22300	WASHER, M4 SPLIT LOCK	4

*NOT SHOWN

PARTS INFORMATION

CTC10-20E, 208V, 3PH



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CTC10-20E, 208V, 3PH - CONTINUED

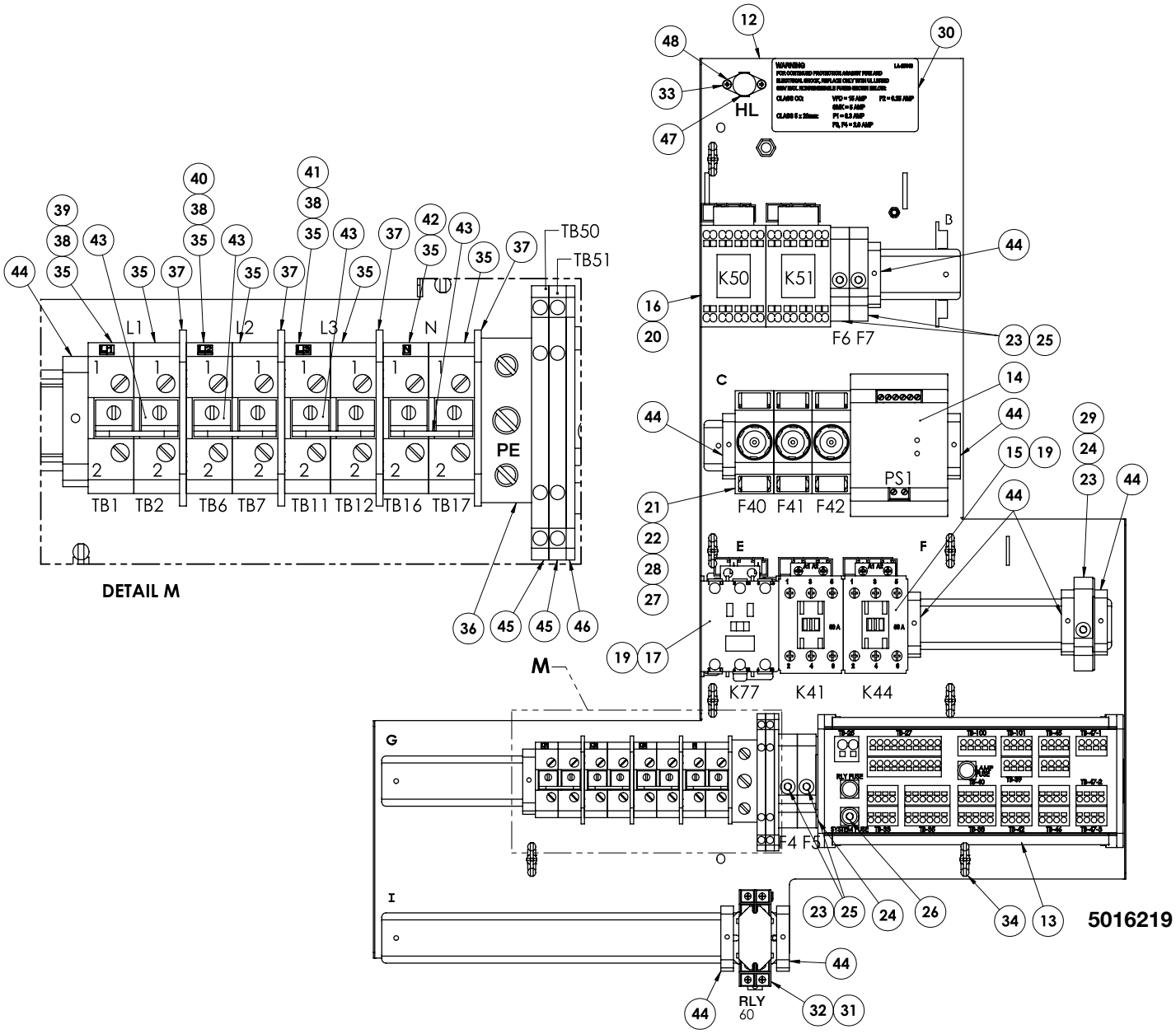
5016217

Item	Part	Description	Qty.
1	*–	WIRE ASSY, TT 208V, 380V, 440V	1
2	*–	20-20 COMMON WIRE SET	1
3	*–	WIRE ASSY, TT EB, E, G	1
4	*–	WIRE ASSY, 10-20E 208V 3PH	1
5	*–	WIRE ASSY, 10-20EB, E, G ALL	1
6	*–	WIRE ASSY, TT EB, E, G ALL V	1
7	*–	WIRE ASSY, TT EB, E, G ALL V	1
8	*–	WIRE ASSY, 10-20, 20-10 E, ALL	1
9	*–	WIRE ASSEMBLY	1
10	*–	WIRING ASSEMBLY	1
11	*–	WIRE ASSEMBLY	1
12	5016893	PANEL ASSY, ELECTRICAL CHASSIS,	1
13	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
14	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
15	CN-3731	CONTACTOR, 50 AMP	2
16	CN-34304	CONTACTOR, 240V, 25A	2
17	*–	ENVELOPE, PRESS ON	1
18	FU-33040	45A, MP, CLASS G, 480V MED. TIME-LAG	6
19	FU-34771	FUSE HOLDER, 2 BANK	2
20	FU-34772	FUSE, 15 AMP	4
21	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
22	FU-35728	FUSE HOLDER, 60 AMP 480V CLASS G	2
23	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1
24	–	LABEL, FUSE WARNING	1
25	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
26	RL-34634	UNIVERSAL MOUNTING SOCKET	1
27	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
28	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	7
29	TM-3780	TERMINALS, 35mm	6
30	TM-3782	TERMINAL, GROUND, 35mm	1
31	TM-3786	TERMINAL, 35mm WALL, PART	3
32	TM-3788	TERMINALS, MARK, L	3
33	TM-3790	TERMINALS, MARK, 1	1
34	TM-3791	TERMINALS, MARK, 2	1
35	TM-3792	TERMINALS, MARK, 3	1
36	TM-33837	JUMPER STRIP	3
37	TM-34305	TERMINAL, SCREWLESS END	11
38	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
39	TM-34309	TERMINAL, END SECTION, SPRING	1
40	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
41	TM-34315	TERMINAL, END PLATE	1
42	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
43	WS-22299	WASHER, M3 SPLIT LOCK	2

*NOT SHOWN

PARTS INFORMATION

CTC10-20E, 380V, 3PH



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CTC10-20E, 380V, 3PH CONTINUED

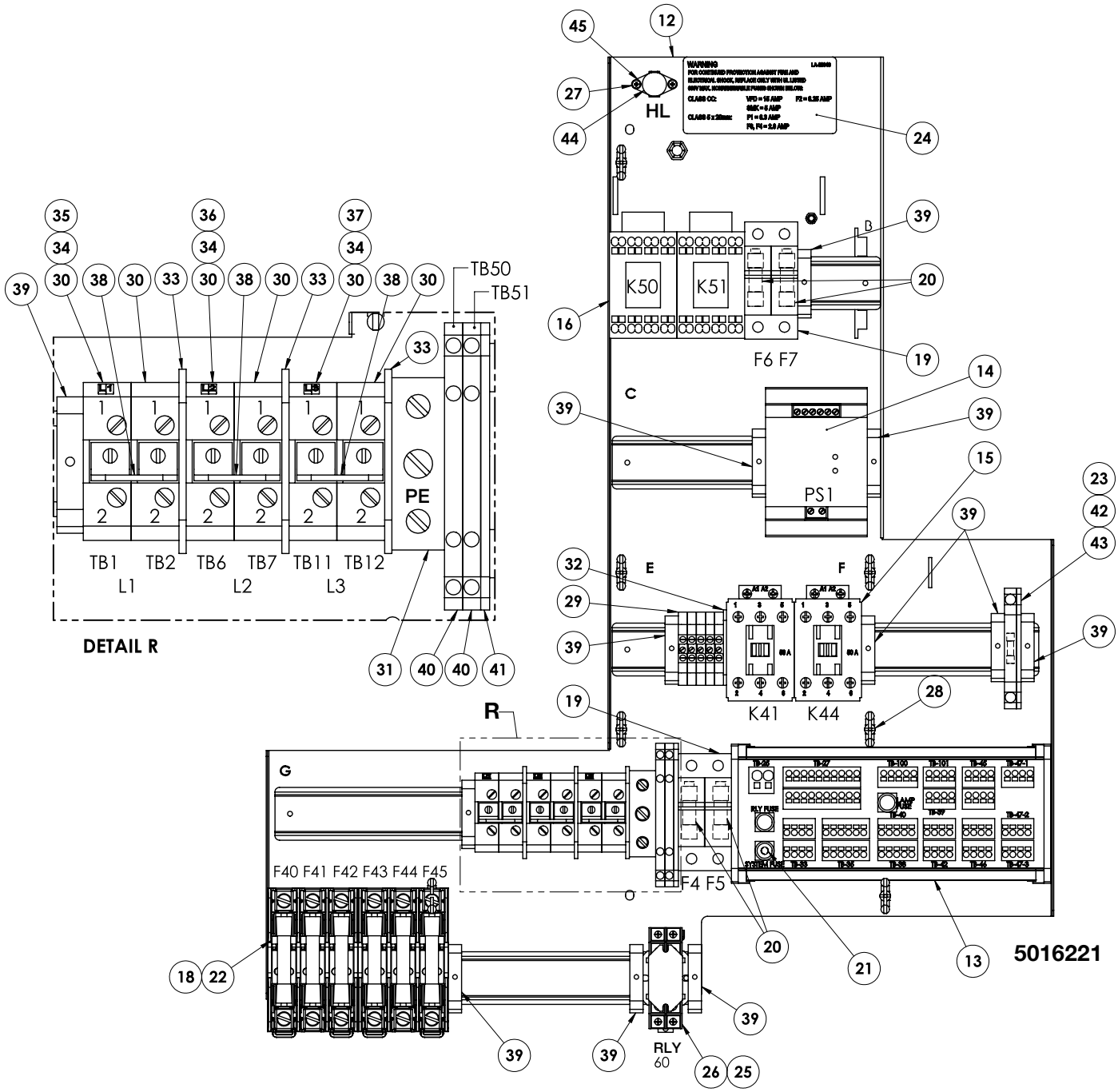
5016219

Item	Part	Description	Qty.
1	*–	WIRE ASSY, TT 208V, 380V, 440V	1
2	*–	20-20 COMMON WIRE SET	1
3	*–	WIRE ASSY, TT EB, E, G	1
4	*–	WIRE ASSY, 10-20EB, E, G ALL	1
5	*–	WIRE ASSY, TT EB, E, G ALL V	1
6	*–	WIRE ASSY, TT EB, E, G ALL V	1
7	*–	WIRE ASSY, 10-20, 20-10 E, ALL	1
8	*–	WIRE SET, 10-20 380V CONVECTION SIMPLE	1
9	*–	WIRE ASSEMBLY	1
10	*–	WIRING ASSEMBLY	1
11	*–	WIRE ASSEMBLY	1
12	5016893	PANEL ASSY, ELECTRICAL CHASSIS,	1
13	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
14	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
15	CN-3731	CONTACTOR, 50 AMP	2
16	CN-34304	CONTACTOR, 240V, 25A	2
17	CN-36605	CONTACTOR, 3POLE, WITH AC COIL	1
18	*–	ENVELOPE, PRESS ON	1
19	FI-33990	EMI FILTER	3
20	FI-34492	FILTER, FOR SPRING CLAMP	2
21	FU-33444	FUSE, DO2 NEOZED BASE & COVER	3
22	FU-33445	FUSE, DO2 NEOZED SCREW CAP	3
23	FU-33451	FUSE, TERMINAL, 6.3A	5
24	FU-34749	FUSE, HOLDER COVER	2
25	FU-34921	FUSE, NEOZED, 15A	4
26	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
27	FU-35497	FUSE, DO2 NEOZED GAUGE RING 50A	3
28	FU-35850	FUSE, DO2 NEOZED 50A, WHITE	3
29	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1
30	–	LABEL, FUSE WARNING	1
31	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
32	RL-34634	UNIVERSAL MOUNTING SOCKET	1
33	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
34	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	7
35	TM-3780	TERMINALS, 35mm	8
36	TM-3782	TERMINAL, GROUND, 35mm	1
37	TM-3786	TERMINAL, 35mm WALL, PART	4
38	TM-3788	TERMINALS, MARK, L	3
39	TM-3790	TERMINALS, MARK, 1	1
40	TM-3791	TERMINALS, MARK, 2	1
41	TM-3792	TERMINALS, MARK, 3	1
42	TM-33479	TERMINALS, MARK, N	1
43	TM-33837	JUMPER STRIP	4
44	TM-34305	TERMINAL, SCREWLESS END	9
45	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
46	TM-34309	TERMINAL, END SECTION, SPRING	1
47	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
48	WS-22299	WASHER, M3 SPLIT LOCK	2

*NOT SHOWN

PARTS INFORMATION

CTC10-20E, 440V, 3PH



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CTC10-20E, 440V, 3PH - CONTINUED

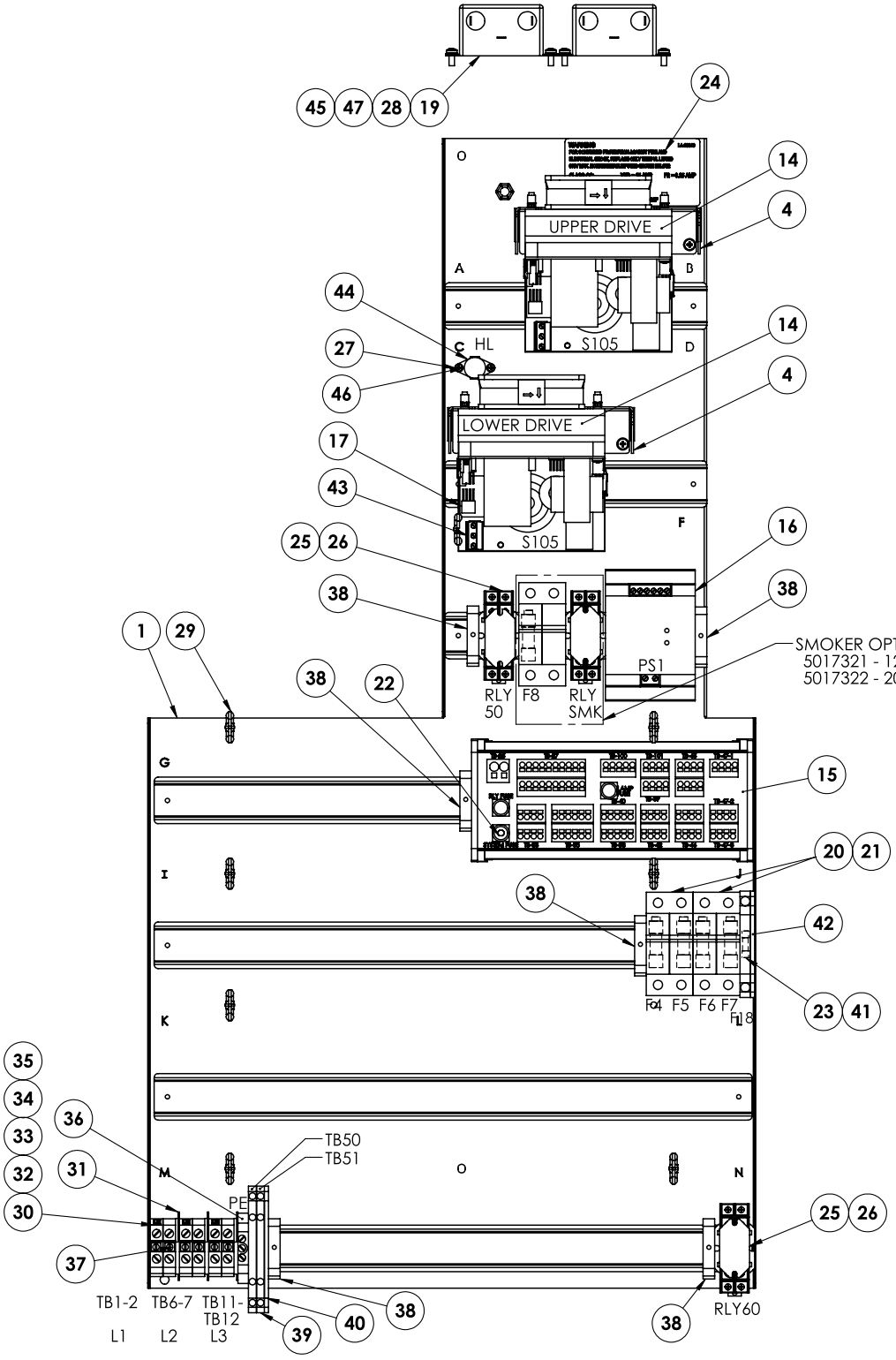
5016221

Item	Part	Description	Qty.
1	*–	WIRE ASSY, TT 208V, 380V, 440V	1
2	*–	WIRE ASSY, 440V POWER CVRSN	1
3	*–	20-20 COMMON WIRE SET	1
4	*–	WIRE ASSY, TT EB, E, G	1
5	*–	WIRE ASSY, 10-20EB, E, G ALL	1
6	*–	WIRE ASSY, TT EB, E, G ALL V	1
7	*–	WIRE ASSY, TT EB, E, G ALL V	1
8	*–	WIRE ASSY, 10-20E, 440V 3PH	1
9	*–	WIRE ASSY, 10-20, 20-10 E, ALL	1
10	*–	WIRING ASSEMBLY	1
11	*–	WIRE ASSEMBLY	1
12	5016893	PANEL ASSY, ELECTRICAL CHASSIS	1
13	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
14	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
15	CN-3731	CONTACTOR, 50 AMP	2
16	CN-34304	CONTACTOR, 240V, 25A	2
17	*–	ENVELOPE, PRESS ON	1
18	FU-33040	45A, MP, CLASS G, 480V MED. TIME-LAG	6
19	FU-34771	FUSE HOLDER, 2 BANK	2
20	FU-34772	FUSE, 15 AMP	4
21	FU-35304	5 x 20mm, SLOW BLO, 8 AMP, 250V	1
22	FU-35728	FUSE HOLDER, 60 AMP 480V CLASS G	2
23	FU-36668	5 x 20mm, SLOW BLO, 5 AMP, 250V	1
24	–	LABEL, FUSE WARNING	1
25	RL-33930	RELAY, POWER, SPDT, 15A, 12VDC	1
26	RL-34634	UNIVERSAL MOUNTING SOCKET	1
27	SC-22268	SCREW, M3 x 0.5 x 8mm PAN	2
28	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	7
29	TM-3778	TERMINALS, 4mm	5
30	TM-3780	TERMINALS, 35mm	6
31	TM-3782	TERMINAL, GROUND, 35mm	1
32	TM-3783	TERMINAL, WALL, 4mm	1
33	TM-3786	TERMINAL, 35mm WALL, PART	3
34	TM-3788	TERMINALS, MARK, L	3
35	TM-3790	TERMINALS, MARK, 1	1
36	TM-3791	TERMINALS, MARK, 2	1
37	TM-3792	TERMINALS, MARK, 3	1
38	TM-33837	JUMPER STRIP	3
39	TM-34305	TERMINAL, SCREWLESS END	11
40	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
41	TM-34309	TERMINAL, END SECTION, SPRING	1
42	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
43	TM-34315	TERMINAL, END PLATE	1
44	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
45	WS-22299	WASHER, M3 SPLIT LOCK	2

*NOT SHOWN

PARTS INFORMATION

CTP20-10G, CTP20-20G, 120V/208V



5016057

CTP20-10G, CTP20-20G, 120V/208V - CONTINUED

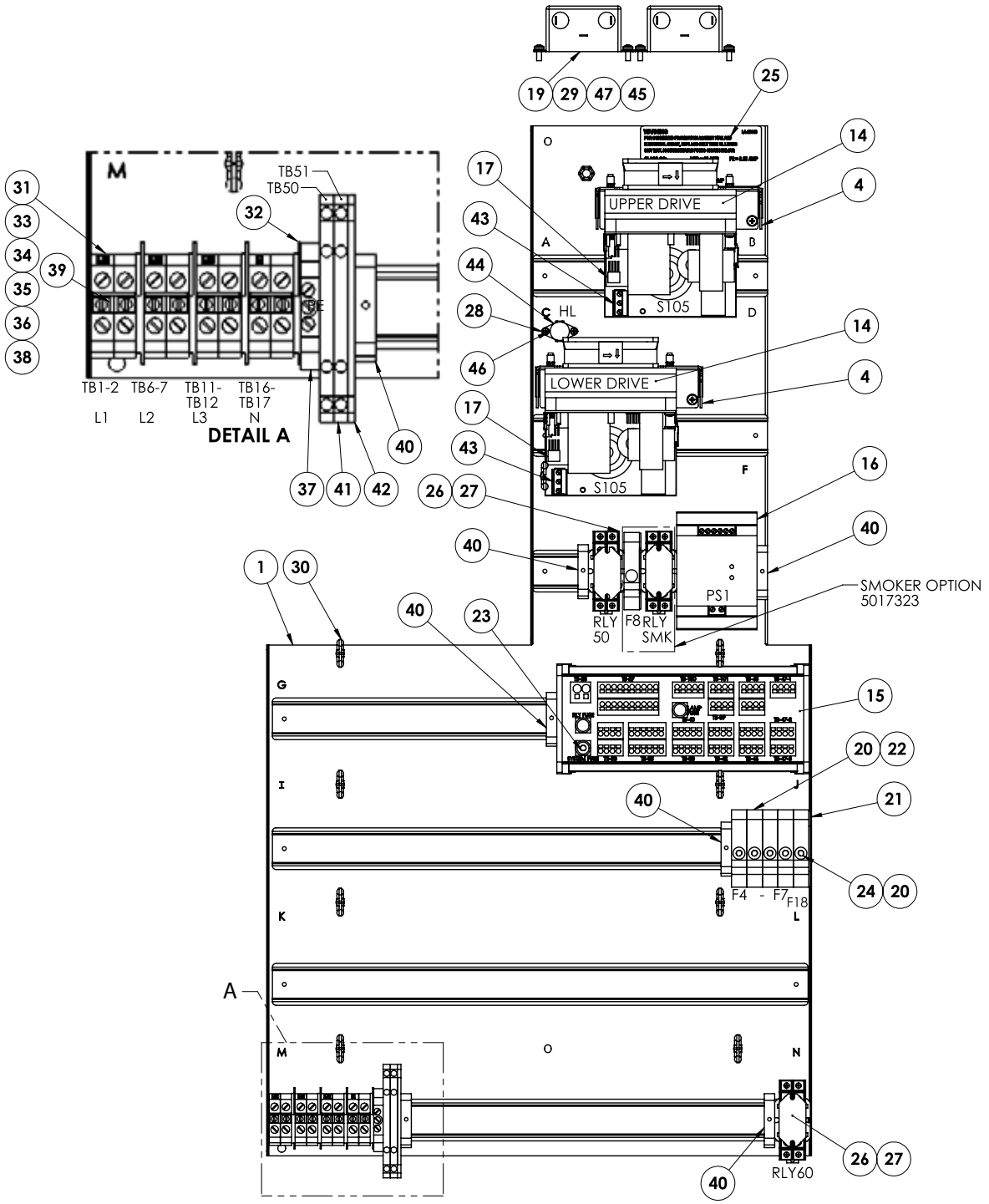
5016057

Item	Part	Description	Qty.
1	5015271	PANEL ASSY, ELECTRICAL CHASSIS	1
2	–	20-20 GAS 120V-208V-380V WIRE ASSY	1
3	–	WIRE ASSY, 20-10, 20-20	1
4	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	2
5	–	WIRE ASSY, 20-10, 20-20	1
6	–	WIRE ASSY, 20-10, 20-20	1
7	–	WIRE ASSY, 20-10, 20-20	1
8	–	WIRE ASSY, 20-10, 20-20	1
9	–	WIRE ASSY, 20-10, 20-20	1
10	–	WIRE ASSY, 20-10, 20-20	1
11	–	WIRE ASSEMBLY	1
12	–	WIRING ASSEMBLY	1
13	–	KIT, BROWNING VALVE MOTOR	1
14	BA-34676	BOARD, VF MOTOR DRIVE	2
15	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
16	BA-35693	BOARD,POWER SUPPLY 10-15VDC 8A	1
17	CB-35777	CABLE, CAN-FAN, 4 POLE	2
18	–	ENVELOPE, PRESS ON	1
19	FI-33225	FILTER LINE 115/250V 50/60HZ	2
20	FU-34771	FUSE HOLDER, 2 BANK	2
21	FU-34772	FUSE, 15 AMP	4
22	FU-35304	5X20mm, SLOW BLO, 8 AMPMP, 250V	1
23	FU-36668	5X20mm, SLOW BLO, 5 AMPMP, 250V	1
24	–	LABEL, FUSE WARNING	1

Item	Part	Description	Qty.
25	RL-33930	RELAY, POWER, SPDT, 15A, 12V.DC	2
26	RL-34634	UNIVERSAL MOUNTING SOCKET	2
27	SC-22268	SCREW, M3x0.5X8mm PAN	2
28	SC-22273	SCREW, M4x0.7X10mm PAN	4
29	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	9
30	TM-3779	TERMINAL BLOCK	6
31	TM-3785	PARTITION	3
32	TM-3788	TERMINALS, MARK, L	3
33	TM-3790	TERMINALS, MARK, 1	1
34	TM-3791	TERMINALS, MARK, 2	1
35	TM-3792	TERMINALS, MARK, 3	1
36	TM-3932	TERMINAL, GROUND	1
37	TM-33675	JUMPER STRIP	3
38	TM-34305	TERMINAL, SCREWLESS END	6
39	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
40	TM-34309	TERMINAL, END SECTION, SPRING	1
41	TM-34311	TERMINAL, FUSE HOLDER,8mm	1
42	TM-34315	TERMINAL, END PLATE	1
43	TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	2
44	TT-36119	THERMOSTAT, BI-METAL,100 DEG CLOSE	1
45	WS-22294	WASHER, FLAT M4 18-8 S/S	4
46	WS-22299	WASHER, M3 SPLIT LOCK	2
47	WS-22300	WASHER, M4 SPLIT LOCK	4

PARTS INFORMATION

CTP20-10G, CTP20-20G, 380V, 3PH



5016058

CTP20-10G, CTP20-20G, 380V, 3PH - CONTINUED

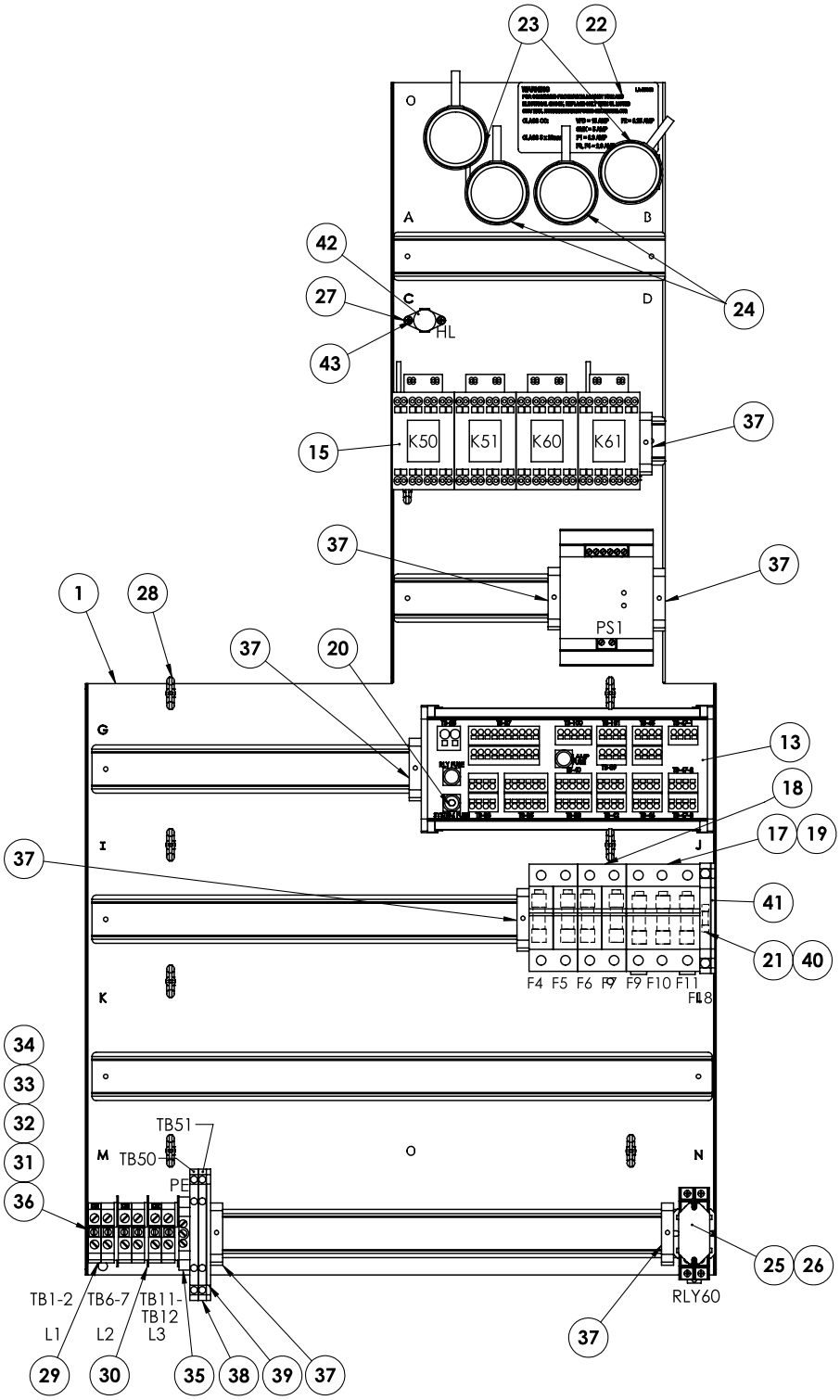
5016058

Item	Part	Description	Qty.
1	5015271	PANEL ASSY,ELECTRICAL CHASSIS	1
2	–	20-20 GAS 120V-208V-380V WIRE ASSY	1
3	–	WIRE ASSY, 20-10, 20-20	1
4	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	2
5	–	WIRE ASSY, 20-10, 20-20	1
6	–	WIRE ASSY, 20-10, 20-20	1
7	–	WIRE ASSY, 20-10, 20-20,	1
8	–	WIRE ASSY, 20-10, 20-20,	1
9	–	WIRE ASSY, 20-10, 20-20	1
10	–	WIRE ASSY, 20-10, 20-20	1
11	–	WIRE ASSEMBLY	1
12	–	WIRING ASSEMBLY	1
13	–	KIT, BROWNING VALVE MOTOR	1
14	BA-34676	BOARD, VF MOTOR DRIVE	2
15	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
16	BA-35693	BOARD,POWER SUPPLY 10-15VDC 8A	1
17	CB-35777	CABLE, CAN-FAN, 4 POLE	2
18	–	ENVELOPE, PRESS ON	1
19	FI-33225	FILTER LINE 115/250V 50/60HZ	2
20	FU-33451	FUSE, TERMINAL, 6.3AMP	5
21	FU-34749	FUSE, HOLDER COVER	1
22	FU-34921	FUSE, NEOZED, 15 AMP	4
23	FU-35304	5X20mm, SLOW BLO, 8 AMPMP, 250V	1
24	FU-36668	5X20mm, SLOW BLO, 5 AMPMP, 250V	1

Item	Part	Description	Qty.
25	–	LABEL, FUSE WARNING	1
26	RL-33930	RELAY, POWER, SPDT, 15A, 12V.DC	2
27	RL-34634	UNIVERSAL MOUNTING SOCKET	2
28	SC-22268	SCREW, M3x0.5X8mm PAN	2
29	SC-22273	SCREW, M4x0.7X10mm PAN	4
30	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	9
31	TM-3779	TERMINAL BLOCK	8
32	TM-3785	PARTITION	4
33	TM-3788	TERMINALS, MARK, L	3
34	TM-3790	TERMINALS, MARK, 1	1
35	TM-3791	TERMINALS, MARK, 2	1
36	TM-3792	TERMINALS, MARK, 3	1
37	TM-3932	TERMINAL, GROUND	1
38	TM-33479	TERMINALS, MARK, N	1
39	TM-33675	JUMPER STRIP	4
40	TM-34305	TERMINAL, SCREWLESS END	6
41	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
42	TM-34309	TERMINAL, END SECTION, SPRING	1
43	TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	2
44	TT-36119	THERMOSTAT, BI-METAL,100 DEG CLOSE	1
45	WS-22294	WASHER, FLAT M4 18-8 S/S	4
46	WS-22299	WASHER, M3 SPLIT LOCK	2
47	WS-22300	WASHER, M4 SPLIT LOCK	4

PARTS INFORMATION

CTC20-10G, CTC20-20G, 120V



5016196

CTC20-10G, CTC20-20G, 120V - CONTINUED

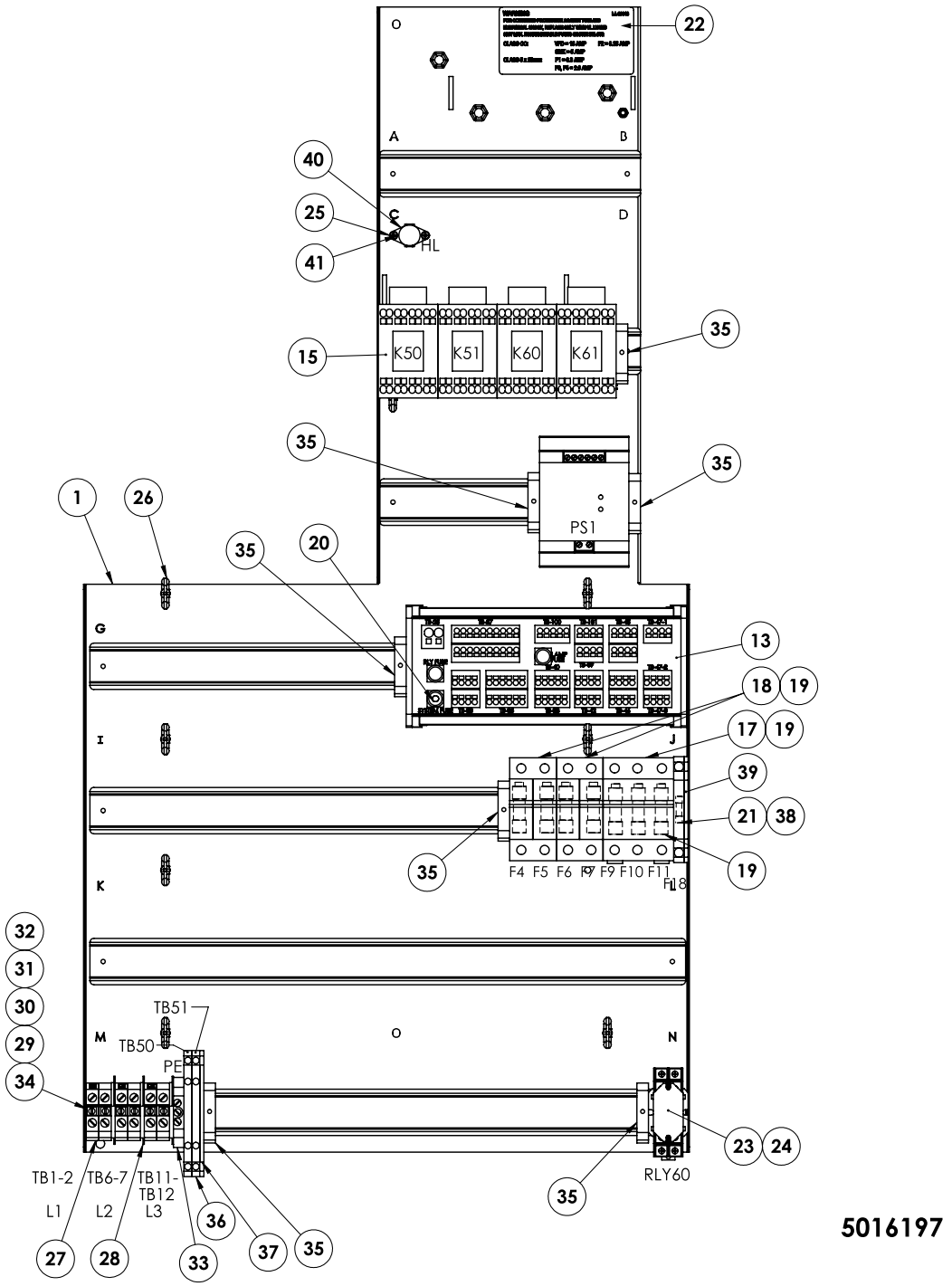
5016196

Item	Part	Description	Qty.
1	5015271	PANEL ASSY,ELECTRICAL CHASSIS	1
2	–	20-20 GAS 120V-208V-380V WIRE ASSY	1
3	–	WIRE ASSY, 20-10, 20-20	1
4	–	WIRE ASSY, 20-10, 20-20	1
5	–	WIRE ASSY, 20-10, 20-20	1
6	–	WIRE ASSY, 20-10, 20-20	1
7	–	WIRE ASSY, 20-10, 20-20	1
8	–	WIRE ASSY, 20-10, 20-20	1
9	–	WIRE ASSEMBLY	1
10	–	WIRE ASSEMBLY	1
11	–	WIRING ASSEMBLY	1
12	–	WIRE ASSEMBLY	1
13	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
14	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
15	CN-34343	CONTACTOR, 120V, 25 AMP	4
16	–	ENVELOPE, PRESS ON	1
17	FU-34770	FUSE HOLDER, 3 BANK	1
18	FU-34771	FUSE HOLDER, 2 BANK	2
19	FU-34772	FUSE, 15 AMP	7
20	FU-35304	5X20mm, SLOW BLO, 8 AMPMP, 250V	1
21	FU-36668	5X20mm, SLOW BLO, 5 AMPMP, 250V	1
22	–	LABEL, FUSE WARNING	1

Item	Part	Description	Qty.
23	MO-34393	CAPACITOR, MOTOR,40 MFD, 240VAC	2
24	MO-34394	CAPACITOR, MOTOR 20 MFD, 240VAC	2
25	RL-33930	RELAY, POWER, SPDT, 15A, 12V.DC	1
26	RL-34634	UNIVERSAL MOUNTING SOCKET	1
27	SC-22268	SCREW, M3x0.5X8mm PAN	2
28	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	9
29	TM-3779	TERMINAL BLOCK	6
30	TM-3785	PARTITION	3
31	TM-3788	TERMINALS, MARK, L	3
32	TM-3790	TERMINALS, MARK, 1	1
33	TM-3791	TERMINALS, MARK, 2	1
34	TM-3792	TERMINALS, MARK, 3	1
35	TM-3932	TERMINAL, GROUND	1
36	TM-33675	JUMPER STRIP	3
37	TM-34305	TERMINAL, SCREWLESS END	7
38	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
39	TM-34309	TERMINAL, END SECTION, SPRING	1
40	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
41	TM-34315	TERMINAL, END PLATE	1
42	TT-36119	THERMOSTAT, BI-METAL,100 DEG CLOSE	1
43	WS-22299	WASHER, M3 SPLIT LOCK	2

PARTS INFORMATION

CTC20-10G, CTC20-20G, 208V 3PH



5016197

CTC20-10G, CTC20-20G, 208V, 3PH - CONTINUED

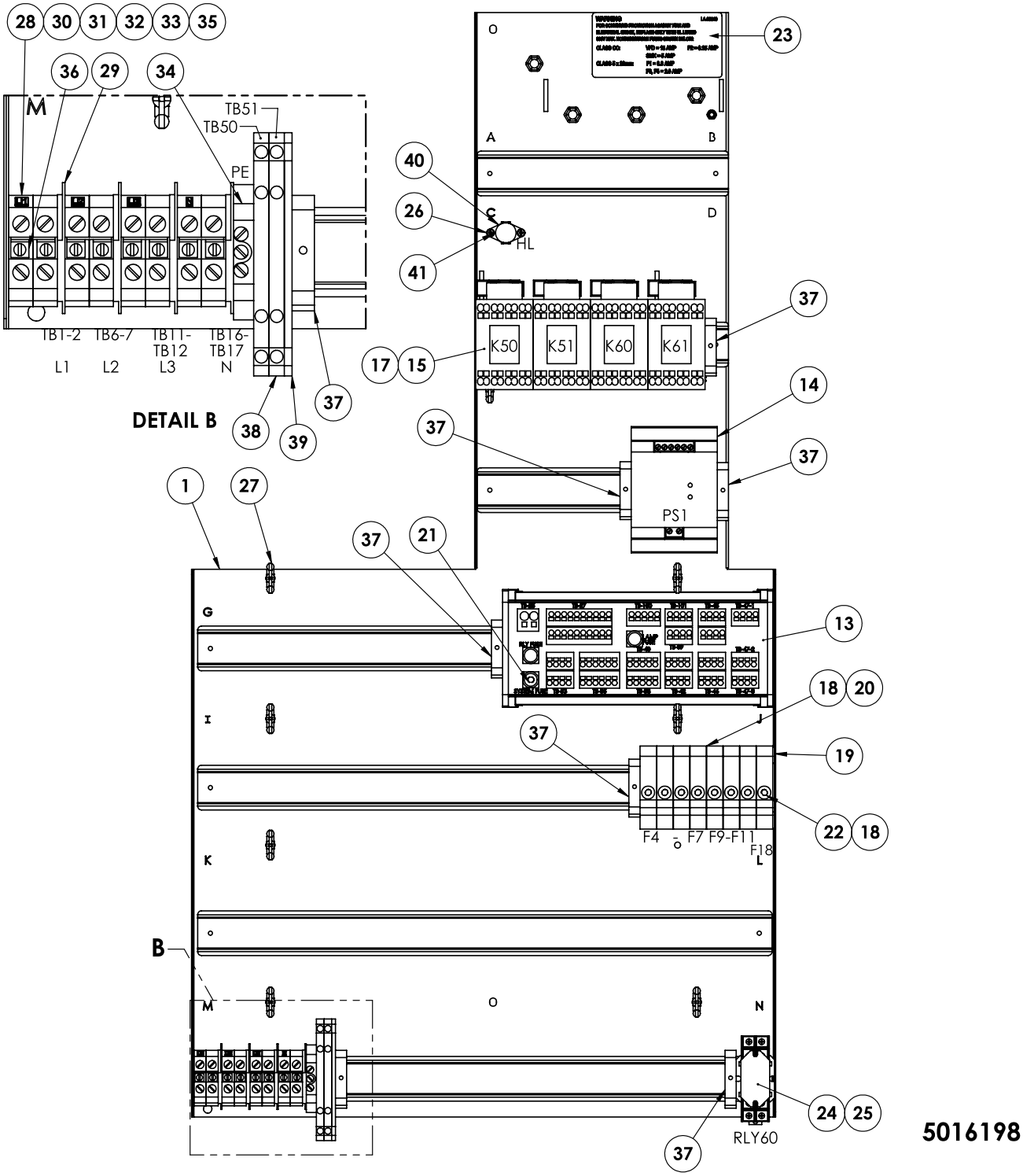
5016197

Item	Part	Description	Qty.
1	5015271	PANEL ASSY, ELECTRICAL CHASSIS	1
2	–	WIRE ASSY, 20-10, 20-20	1
3	–	20-20 GAS 120V-208V-380V WIRE ASSY	1
4	–	WIRE ASSY, 20-10, 20-20	1
5	–	WIRE ASSY, 20-10, 20-20	1
6	–	WIRE ASSY, 20-10, 20-20	1
7	–	WIRE ASSY, 20-10, 20-20	1
8	–	WIRE ASSY, 20-10, 20-20	1
9	–	WIRE ASSY, 20-10, 20-20	1
10	–	WIRE ASSEMBLY	1
11	–	WIRING ASSEMBLY	1
12	–	WIRE ASSEMBLY	1
13	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
14	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
15	CN-34304	CONTACTOR, 240V, 25 AMP	4
16	–	ENVELOPE, PRESS ON	1
17	FU-34770	FUSE HOLDER, 3 BANK	1
18	FU-34771	FUSE HOLDER, 2 BANK	2
19	FU-34772	FUSE, 15 AMP	7
20	FU-35304	5X20mm, SLOW BLO, 8 AMPMP, 250V	1
21	FU-36668	5X20mm, SLOW BLO, 5 AMPMP, 250V	1

Item	Part	Description	Qty.
22	–	LABEL, FUSE WARNING	1
23	RL-33930	RELAY, POWER, SPDT, 15A, 12V.DC	1
24	RL-34634	UNIVERSAL MOUNTING SOCKET	1
25	SC-22268	SCREW, M3x0.5X8mm PAN	2
26	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	9
27	TM-3779	TERMINAL BLOCK	6
28	TM-3785	PARTITION	3
29	TM-3788	TERMINALS, MARK, L	3
30	TM-3790	TERMINALS, MARK, 1	1
31	TM-3791	TERMINALS, MARK, 2	1
32	TM-3792	TERMINALS, MARK, 3	1
33	TM-3932	TERMINAL, GROUND	1
34	TM-33675	JUMPER STRIP	3
35	TM-34305	TERMINAL, SCREWLESS END	7
36	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
37	TM-34309	TERMINAL, END SECTION, SPRING	1
38	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
39	TM-34315	TERMINAL, END PLATE	1
40	TT-36119	THERMOSTAT, BI-METAL,100 DEG CLOSE	1
41	WS-22299	WASHER, M3 SPLIT LOCK	2

PARTS INFORMATION

CTC20-10G, CTC20-20G, 380V 3PH



5016198

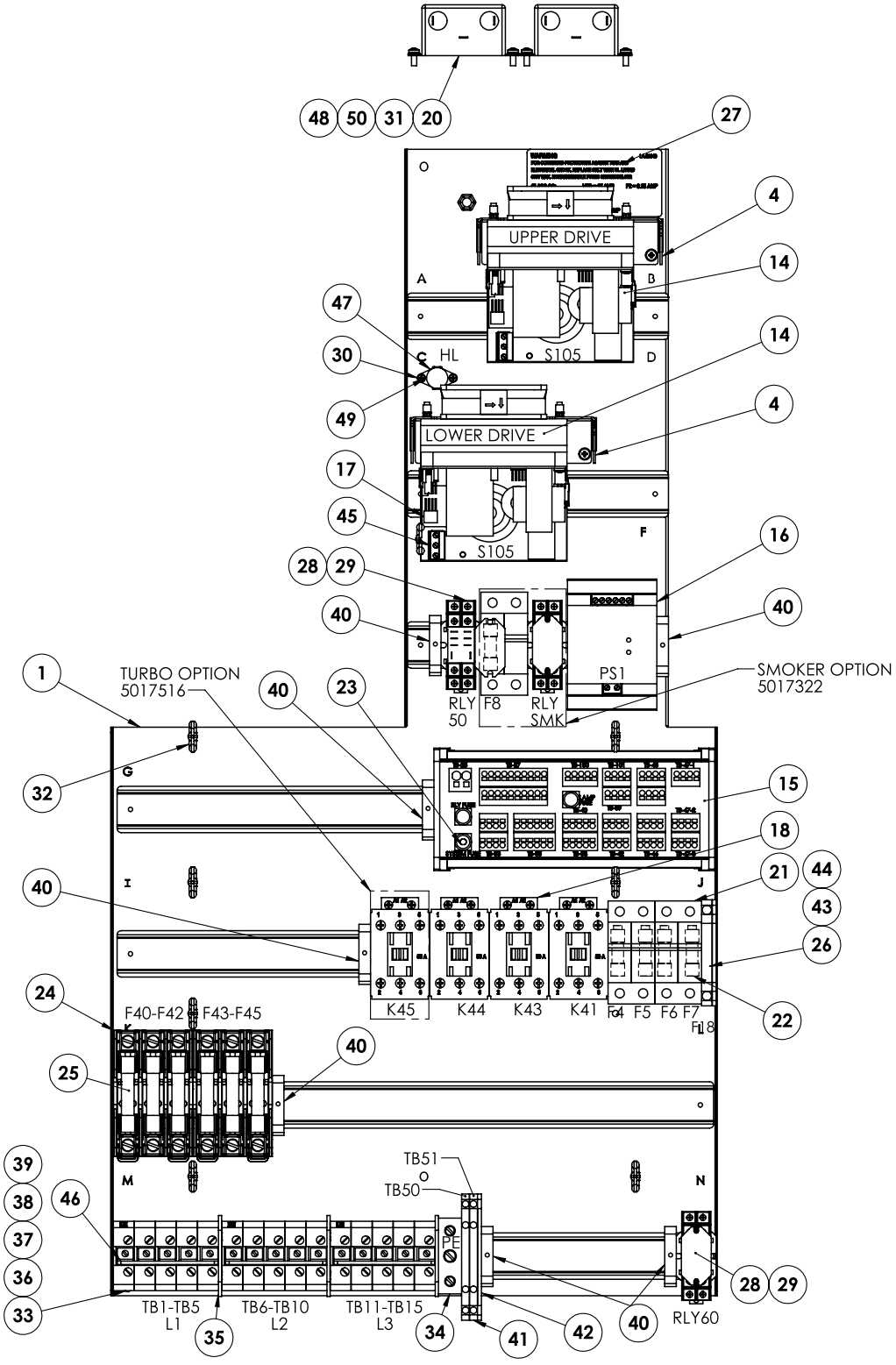
CTC20-10G, CTC20-20G, 380V, 3PH - CONTINUED

5016198

Item	Part	Description	Qty.
1	5015271	PANEL ASSY, ELECTRICAL CHASSIS	1
2	–	WIRE ASSY, 20-10, 20-20	1
3	–	20-20 GAS 120V-208V-380V WIRE ASSY	1
4	–	WIRE ASSY, 20-10, 20-20	1
5	–	WIRE ASSY, 20-10, 20-20	1
6	–	WIRE ASSY, 20-10, 20-20	1
7	–	WIRE ASSY, 20-10, 20-20	1
8	–	WIRE ASSY, 20-10, 20-20	1
9	–	WIRE ASSY, 20-10, 20-20	1
10	–	WIRE ASSEMBLY	1
11	–	WIRING ASSEMBLY	1
12	–	WIRE ASSEMBLY	1
13	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
14	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
15	CN-34304	CONTACTOR, 240V, 25 AMP	4
16	–	ENVELOPE, PRESS ON	1
17	FI-33990	EMI FILTER	4
18	FU-33451	FUSE, TERMINAL, 6.3 AMP	8
19	FU-34749	FUSE, HOLDER COVER	1
20	FU-34921	FUSE, NEOZED, 15 AMP	7
21	FU-35304	5X20mm, SLOW BLO, 8 AMPMP, 250V	1
22	FU-36668	5X20mm, SLOW BLO, 5 AMP, 250V	1
23	–	LABEL, FUSE WARNING	1
24	RL-33930	RELAY, POWER, SPDT, 15A, 12V.DC	1
25	RL-34634	UNIVERSAL MOUNTING SOCKET	1
26	SC-22268	SCREW, M3x0.5X8mm PAN	2
27	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	9
28	TM-3779	TERMINAL BLOCK	8
29	TM-3785	PARTITION	4
30	TM-3788	TERMINALS, MARK, L	3
31	TM-3790	TERMINALS, MARK, 1	1
32	TM-3791	TERMINALS, MARK, 2	1
33	TM-3792	TERMINALS, MARK, 3	1
34	TM-3932	TERMINAL, GROUND	1
35	TM-33479	TERMINALS, MARK, N	1
36	TM-33675	JUMPER STRIP	4
37	TM-34305	TERMINAL, SCREWLESS END	7
38	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
39	TM-34309	TERMINAL, END SECTION, SPRING	1
40	TT-36119	THERMOSTAT, BI-METAL,100 DEG CLOSE	1
41	WS-22299	WASHER, M3 SPLIT LOCK	2

PARTS INFORMATION

CTP20-10E, 208V



5015327

CTP20-10E, 208V - CONTINUED

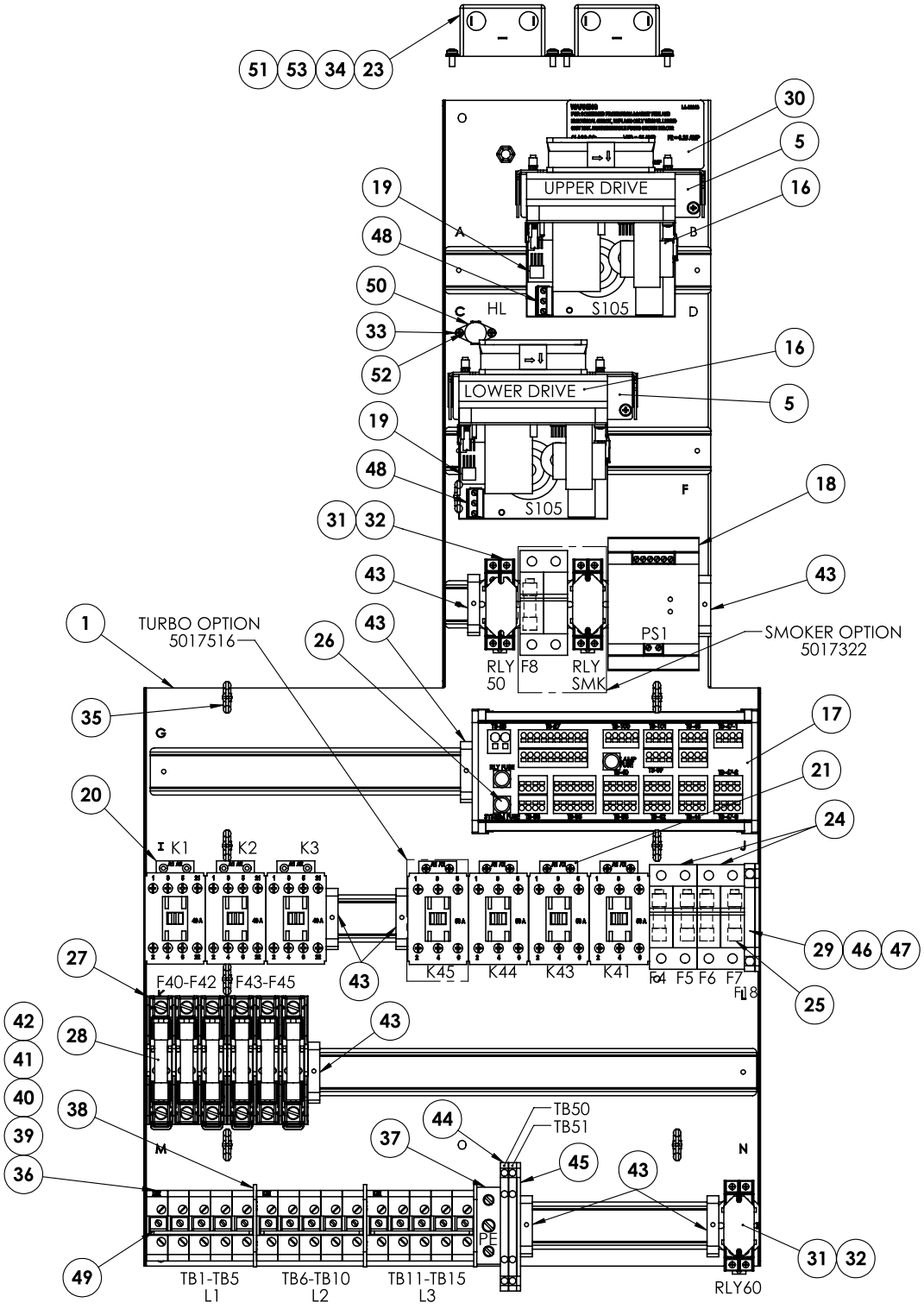
5015327

Item	Part	Description	Qty.
1	5015271	PANEL ASSY, ELECTRICAL CHASSIS	1
2	–	WIRE ASSY, 20-10E 208V 3PH	1
3	–	WIRE ASSY, 20-10, 20-20	1
4	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	2
5	–	WIRE ASSY, 20-10, 20-20	1
6	–	WIRE ASSY, 20-10, 20-20	1
7	–	WIRE ASSY, 20-10, 20-20	1
8	–	WIRE ASSY, 20-10, 20-20	1
9	–	WIRE ASSY, 20-10, 20-20	1
10	–	WIRE ASSY, 20-10, 20-20	1
11	–	WIRE ASSEMBLY	1
12	–	WIRING ASSEMBLY	1
13	–	KIT, BROWNING VALVE MOTOR	1
14	BA-34676	BOARD, VF MOTOR DRIVE	2
15	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
16	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
17	CB-35777	CABLE, CAN-FAN, 4 POLE	2
18	CN-3731	CONTACTOR, 50 AMP	3
19	–	ENVELOPE, PRESS ON	1
20	FI-33225	FILTER LINE 115/250V 50/60HZ	2
21	FU-34771	FUSE HOLDER, 2 BANK	2
22	FU-34772	FUSE, 15 AMP	4
23	FU-35304	5X20mm, SLOW BLO, 8 AMP, 250V	1
24	FU-35728	FUSE HOLDER, 60 AMP 480V CLASS G	2
25	FU-35734	FUSE, 60 AMP, SLC CLASS G	6

Item	Part	Description	Qty.
26	FU-36668	5X20mm, SLOW BLO, 5 AMP, 250V	1
27	–	LABEL, FUSE WARNING	1
28	RL-33930	RELAY, POWER, SPDT, 15A, 12V.DC	2
29	RL-34634	UNIVERSAL MOUNTING SOCKET	2
30	SC-22268	SCREW,M3x0.5X8mm PAN	2
31	SC-22273	SCREW,M4x0.7X10mm PAN	4
32	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	9
33	TM-3780	TERMINALS,*CT,SER., 35mm	15
34	TM-3782	TERMINAL, GROUND, 35mm	1
35	TM-3786	TERMINAL, 35mm WALL, PART	3
36	TM-3788	TERMINALS, MARK, L	3
37	TM-3790	TERMINALS, MARK, 1	1
38	TM-3791	TERMINALS, MARK, 2	1
39	TM-3792	TERMINALS, MARK, 3	1
40	TM-34305	TERMINAL, SCREWLESS END	7
41	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
42	TM-34309	TERMINAL, END SECTION, SPRING	1
43	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
44	TM-34315	TERMINAL, END PLATE	1
45	TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	2
46	TM-35982	TERMINAL, JUMPER BAR 5 POLE	3
47	TT-36119	THERMOSTAT, BI-METAL,100 DEG CLOSE	1
48	WS-22294	WASHER, FLAT M4 18-8 S/S	4
49	WS-22299	WASHER, M3 SPLIT LOCK	2
50	WS-22300	WASHER, M4 SPLIT LOCK	4

PARTS INFORMATION

CTP20-10EB, 208V



5015326

CTP20-10EB, 208V - CONTINUED

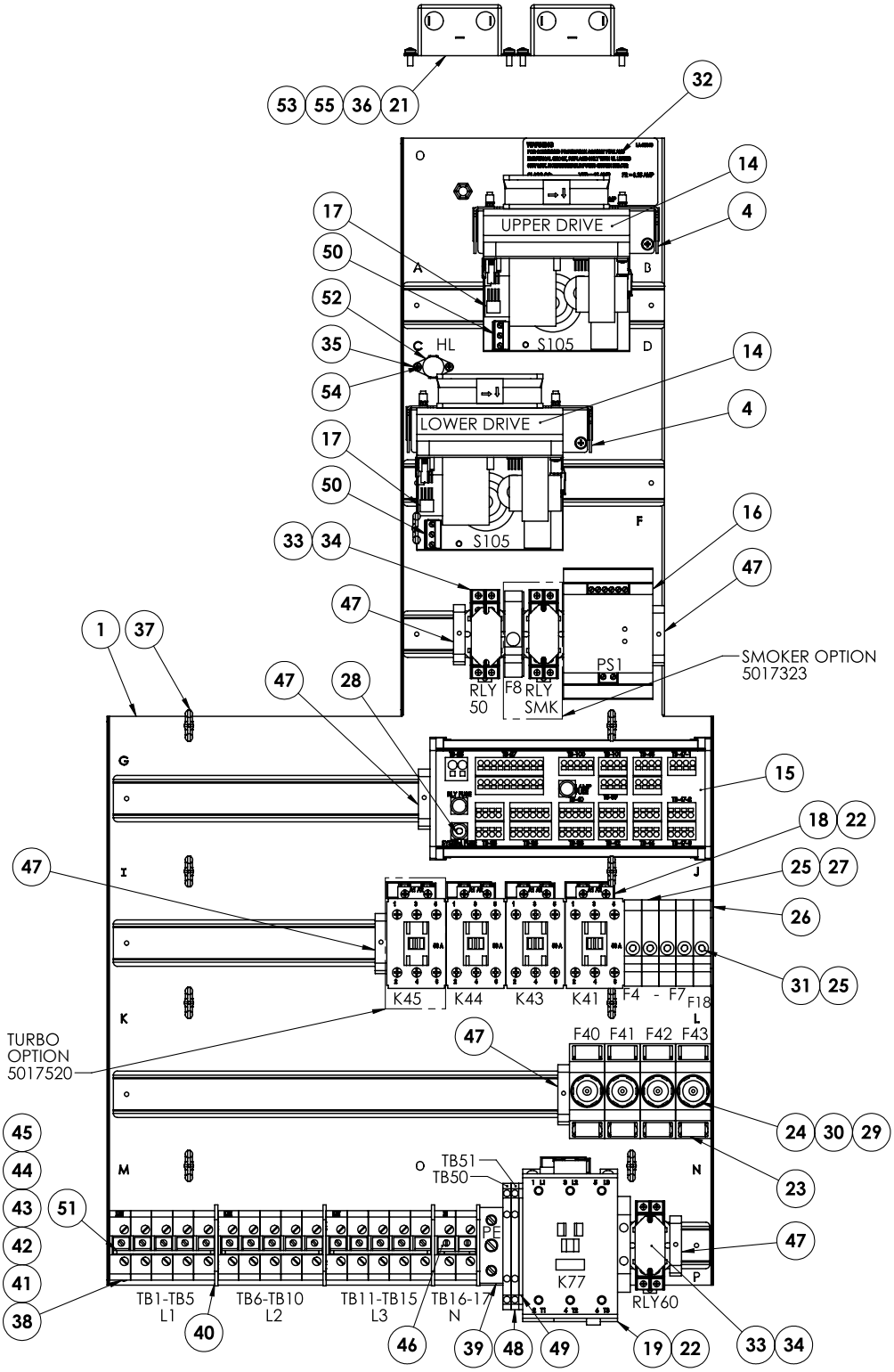
5015326

Item	Part	Description	Qty.
1	5015271	PANEL ASSY, ELECTRICAL CHASSIS	1
2	–	WIRE ASSY, 20-10EB 208V 3PH	1
3	–	WIRE ASSY, 20-10EB, 20-20EB 208V	1
4	–	WIRE ASSY, 20-10, 20-20	1
5	5015481	BRACKET ASSY,MOTOR DRIVE MOUNT	2
6	–	WIRE ASSY, 20-10, 20-20	1
7	–	WIRE ASSY, 20-10, 20-20	1
8	–	WIRE ASSY, 20-10, 20-20	1
9	–	WIRE ASSY, 20-10, 20-20,	1
10	–	WIRE ASSY, 20-10, 20-20	1
11	–	WIRE ASSY, 20-10, 20-20	1
12	–	WIRE ASSY, 20-10, 20-20	1
13	–	WIRE ASSEMBLY	1
14	–	WIRING ASSEMBLY	1
15	–	KIT, BROWNING VALVE MOTOR	1
16	BA-34676	BOARD, VF MOTOR DRIVE	2
17	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
18	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
19	CB-35777	CABLE, CAN-FAN, 4 POLE	2
20	CN-3654	CONTACTOR, 40 AMP	3
21	CN-3731	CONTACTOR, 50 AMP	3
22	–	ENVELOPE, PRESS ON	1
23	FI-33225	FILTER LINE 115/250V 50/60HZ	2
24	FU-34771	FUSE HOLDER, 2 BANK	2
25	FU-34772	FUSE, 15 AMP	4
26	FU-35304	5X20mm, SLOW BLO, 8 AMP, 250V	1
27	FU-35728	FUSE HOLDER, 60 AMP 480V CLASS G	2

Item	Part	Description	Qty.
28	FU-35734	FUSE, 60 AMP, SLC CLASS G	6
29	FU-36668	5X20mm, SLOW BLO, 5 AMPMP, 250V	1
30	–	LABEL, FUSE WARNING	1
31	RL-33930	RELAY, POWER, SPDT, 15A, 12V.DC	2
32	RL-34634	UNIVERSAL MOUNTING SOCKET	2
33	SC-22268	SCREW, M3x0.5X8mm PAN	2
34	SC-22273	SCREW, M4x0.7X10mm PAN	4
35	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	9
36	TM-3780	TERMINALS, SER., 35mm	15
37	TM-3782	TERMINAL, GROUND, 35mm	1
38	TM-3786	TERMINAL, 35mm WALL, PART	3
39	TM-3788	TERMINALS, MARK, L	3
40	TM-3790	TERMINALS, MARK, 1	1
41	TM-3791	TERMINALS, MARK, 2	1
42	TM-3792	TERMINALS, MARK, 3	1
43	TM-34305	TERMINAL, SCREWLESS END	8
44	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
45	TM-34309	TERMINAL, END SECTION, SPRING	1
46	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
47	TM-34315	TERMINAL, END PLATE	1
48	TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	2
49	TM-35982	TERMINAL, JUMPER BAR 5 POLE	3
50	TT-36119	THERMOSTAT, BI-METAL,100 DEG CLOSE	1
51	WS-22294	WASHER, FLAT M4 18-8 S/S	4
52	WS-22299	WASHER, M3 SPLIT LOCK	2
53	WS-22300	WASHER, M4 SPLIT LOCK	4

PARTS INFORMATION

CTP20-10E, 380V



5015879

CTP20-10E, 380V - CONTINUED

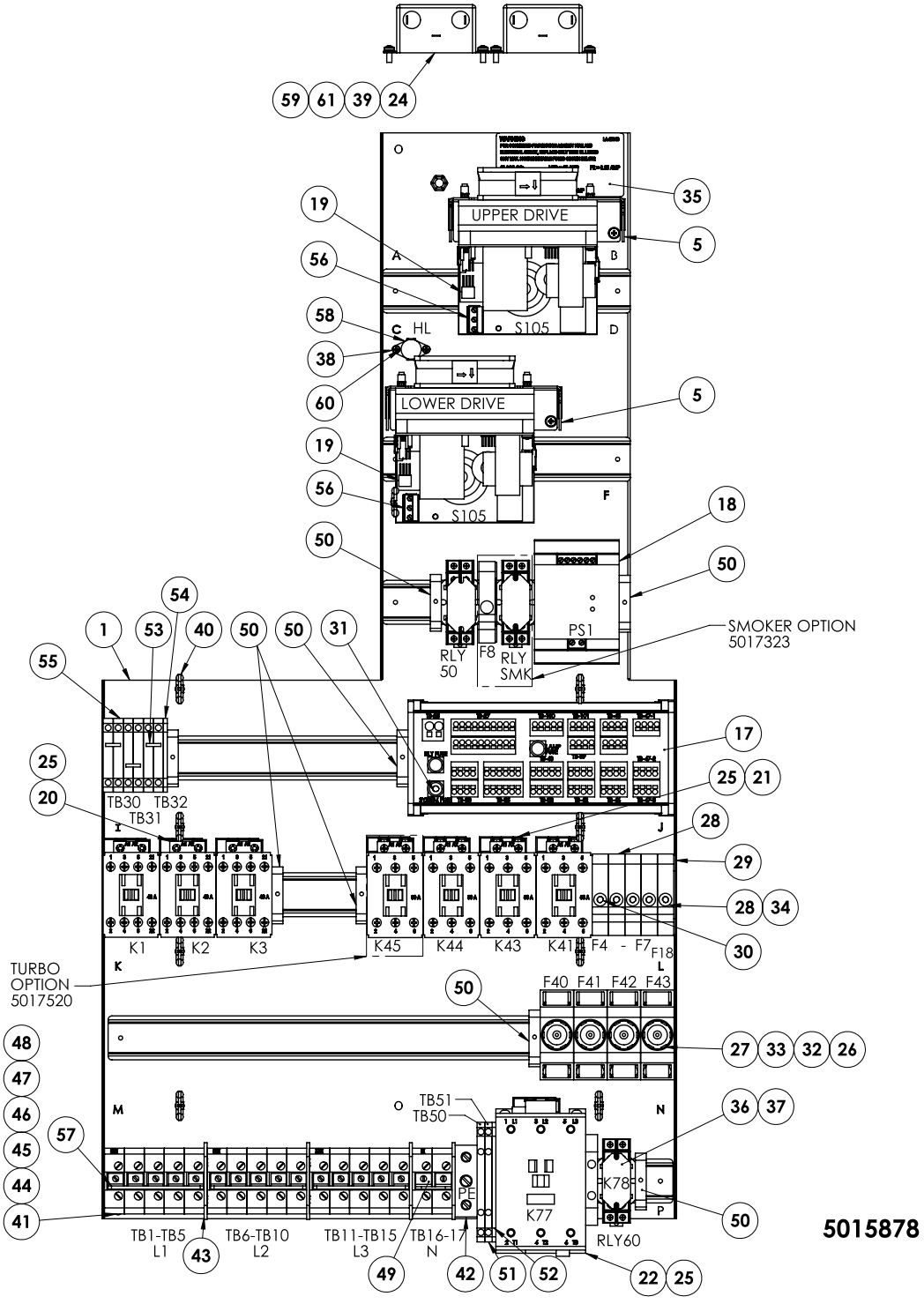
5015879

Item	Part	Description	Qty.
1	5015271	PANEL ASSY, ELECTRICAL CHASSIS	1
2	–	WIRE ASSY, CTP20-10E 308V	1
3	–	WIRE ASSY, 20-10, 20-20	1
4	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	2
5	–	WIRE ASSY, 20-10, 20-20	1
6	–	WIRE ASSY, 20-10, 20-20	1
7	–	WIRE ASSY, 20-10, 20-20	1
8	–	WIRE ASSY, 20-10, 20-20	1
9	–	WIRE ASSY, 20-10, 20-20	1
10	–	WIRE ASSY, 20-10, 20-20	1
11	–	WIRE ASSEMBLY	1
12	–	WIRING ASSEMBLY	1
13	–	KIT, BROWNING VALVE MOTOR	1
14	BA-34676	BOARD, VF MOTOR DRIVE	2
15	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
16	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
17	CB-35777	CABLE, CAN-FAN, 4 POLE	2
18	CN-3731	CONTACTOR, 50 AMP	3
19	CN-34026	CONTACTOR, 3POLE, 100 AMP, 240VAC	1
20	–	ENVELOPE, PRESS ON	1
21	FI-33225	FILTER LINE 115/250V 50/60HZ	2
22	FI-33990	EMI FILTER	4
23	FU-33444	FUSE, DO2 NEOZED BASE & COVER	4
24	FU-33445	FUSE, DO2 NEOZED SCREW CAP	4
25	FU-33451	FUSE, TERMINAL, 6.3 AMP	5
26	FU-34749	FUSE,HOLDER COVER	1
27	FU-34921	FUSE, NEOZED, 15 AMP	4
28	FU-35304	5X20mm, SLOW BLO, 8 AMPMP, 250V	1

Item	Part	Description	Qty.
29	FU-35497	FUSE,DO2 NEOZED GAUGE RING 50 AMP	4
30	FU-35850	FUSE, DO2 NEOZED 50 AMP, WHITE	4
31	FU-36668	5X20MM, SLOW BLO, 5 AMP, 250V	1
32	–	LABEL, FUSE WARNING	1
33	RL-33930	RELAY, POWER, SPDT, 15 AMP, 12V.DC	2
34	RL-34634	UNIVERSAL MOUNTING SOCKET	2
35	SC-22268	SCREW, M3x0.5X8mm PAN	2
36	SC-22273	SCREW, M4x0.7X10mm PAN	4
37	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	9
38	TM-3780	TERMINALS,*CT,SER., 35mm	17
39	TM-3782	TERMINAL, GROUND, 35mm	1
40	TM-3786	TERMINAL, 35mm WALL, PART	4
41	TM-3788	TERMINALS, MARK, L	3
42	TM-3790	TERMINALS, MARK, 1	1
43	TM-3791	TERMINALS, MARK, 2	1
44	TM-3792	TERMINALS, MARK, 3	1
45	TM-33479	TERMINALS, MARK, N	1
46	TM-33837	JUMPER STRIP	1
47	TM-34305	TERMINAL, SCREWLESS END	6
48	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
49	TM-34309	TERMINAL, END SECTION, SPRING	1
50	TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	2
51	TM-35982	TERMINAL, JUMPER BAR 5 POLE	3
52	TT-36119	THERMOSTAT, BI-METAL,100 DEG CLOSE	1
53	WS-22294	WASHER, FLAT M4 18-8 S/S	4
54	WS-22299	WASHER, M3 SPLIT LOCK	2
55	WS-22300	WASHER, M4 SPLIT LOCK	4

PARTS INFORMATION

CTP20-10EB, 380V



CTP20-10EB, 380V - CONTINUED

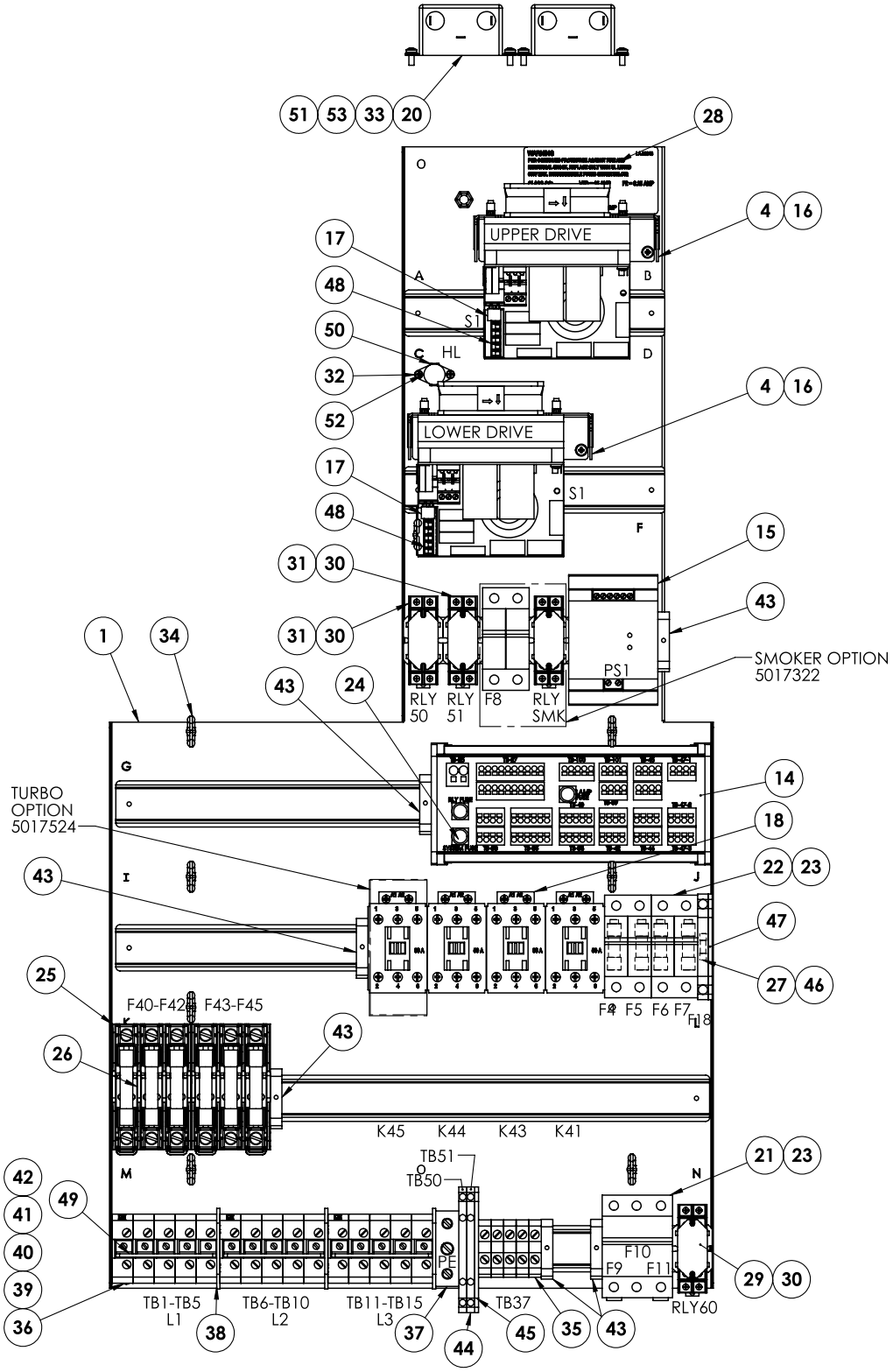
5015878

Item	Part	Description	Qty.
1	5015271	PANEL ASSY, ELECTRICAL CHASSIS	1
2	–	WIRE ASSY, CTP20-10E 380V	1
3	–	20-20EB 380V WIRE ASSY	1
4	–	WIRE ASSY, 20-10, 20-20	1
5	5015481	BRACKET ASSY,MOTOR DRIVE MOUNT	2
6	–	WIRE ASSY, 20-10, 20-20	1
7	–	WIRE ASSY, 20-10, 20-20	1
8	–	WIRE ASSY, 20-10, 20-20	1
9	–	WIRE ASSY, 20-10, 20-20	1
10	–	WIRE ASSY, 20-10, 20-20	1
11	–	WIRE ASSY, 20-10, 20-20	1
12	–	WIRE ASSY, 20-10, 20-20	1
13	–	WIRE ASSEMBLY	1
14	–	WIRING ASSEMBLY	1
15	–	KIT, BROWNING VALVE MOTOR	1
16	BA-34676	BOARD, VF MOTOR DRIVE	2
17	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
18	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
19	CB-35777	CABLE, CAN-FAN, 4 POLE	2
20	CN-3654	CONTACTOR, 40 AMP	3
21	CN-3731	CONTACTOR, 50 AMP	3
22	CN-34026	CONTACTOR, 3POLE, 100 AMP, 240VAC	1
23	–	ENVELOPE, PRESS ON	1
24	FI-33225	FILTER LINE 115/250V 50/60HZ	2
25	FI-33990	EMI FILTER	7
26	FU-33444	FUSE, DO2 NEOZED BASE & COVER	4
27	FU-33445	FUSE, DO2 NEOZED SCREW CAP	4
28	FU-33451	FUSE, TERMINAL, 6.3 AMP	5
29	FU-34749	FUSE, HOLDER COVER	1
30	FU-34921	FUSE, NEOZED, 15 AMP	4
31	FU-35304	5X20mm, SLOW BLO, 8 AMP, 250V	1

Item	Part	Description	Qty.
32	FU-35497	FUSE, DO2 NEOZED GAUGE RING 50 AMP	4
33	FU-35850	FUSE, DO2 NEOZED 50 AMP, WHITE	4
34	FU-36668	5X20mm, SLOW BLO, 5 AMPMP, 250V	1
35	–	LABEL, FUSE WARNING	1
36	RL-33930	RELAY, POWER, SPDT, 15 AMP, 12V.DC	2
37	RL-34634	UNIVERSAL MOUNTING SOCKET	2
38	SC-22268	SCREW, M3x0.5X8mm PAN	2
39	SC-22273	SCREW, M4x0.7X10mm PAN	4
40	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	9
41	TM-3780	TERMINALS, SER., 35mm	17
42	TM-3782	TERMINAL, GROUND, 35mm	1
43	TM-3786	TERMINAL, 35mm WALL, PART	4
44	TM-3788	TERMINALS, MARK, L	3
45	TM-3790	TERMINALS, MARK, 1	1
46	TM-3791	TERMINALS, MARK, 2	1
47	TM-3792	TERMINALS, MARK, 3	1
48	TM-33479	TERMINALS, MARK, N	1
49	TM-33837	JUMPER STRIP	1
50	TM-34305	TERMINAL, SCREWLESS END	8
51	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
52	TM-34309	TERMINAL, END SECTION, SPRING	1
53	TM-34310	JUMPER BAR	3
54	TM-34437	PARTITION WALL,1 POLE	1
55	TM-34438	TERMINAL, SPRING CLAMP, 1 POLE	6
56	TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	2
57	TM-35982	TERMINAL, JUMPER BAR 5 POLE	3
58	TT-36119	THERMOSTAT, BI-METAL,100 DEG CLOSE	1
59	WS-22294	WASHER, FLAT M4 18-8 S/S	4
60	WS-22299	WASHER, M3 SPLIT LOCK	2
61	WS-22300	WASHER, M4 SPLIT LOCK	4

PARTS INFORMATION

CTP20-10E, 440V



5015881

CTP20-10E, 440V - CONTINUED

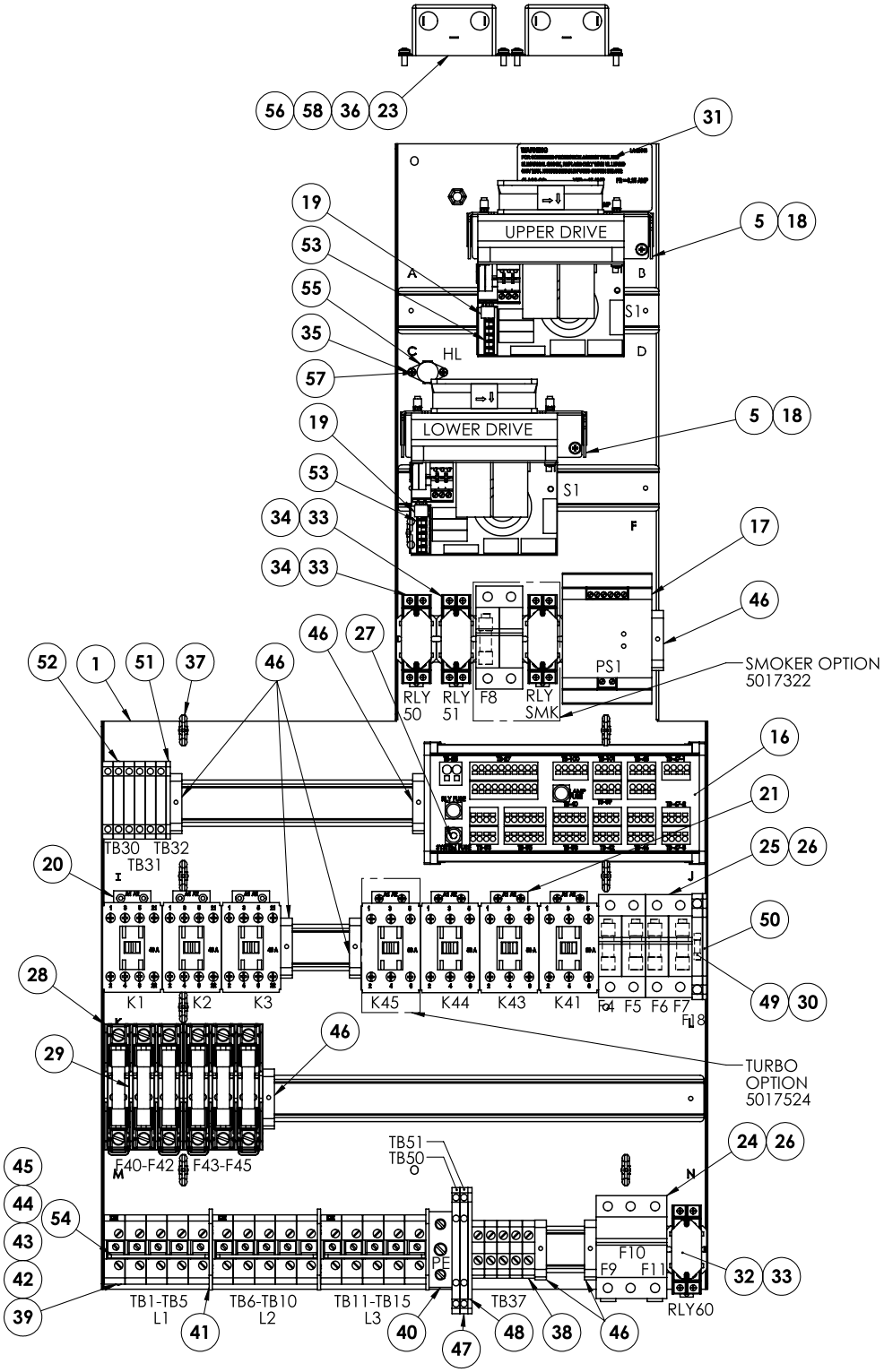
5015881

Item	Part	Description	Qty.
1	5015271	PANEL ASSY, ELECTRICAL CHASSIS	1
2	–	WIRE ASSY, 20-10 440V	1
3	–	WIRE ASSY, 20-10, 20-20	1
4	5015481	BRACKET ASSY,MOTOR DRIVE MOUNT	2
5	–	WIRE ASSY, 20-10, 20-20	1
6	–	WIRE ASSY, 20-10, 20-20	1
7	–	WIRE ASSY, 20-10, 20-20	1
8	–	WIRE ASSY, 20-10, 20-20	1
9	–	WIRE ASSY, 20-10, 20-20	1
10	–	WIRE ASSY, 20-10, 20-20	1
11	–	WIRE ASSY, 20-10, 20-20	1
12	–	WIRING ASSEMBLY	1
13	–	KIT, BROWNING VALVE MOTOR	1
14	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
15	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
16	BA-35776	BOARD, VF MOTOR DRIVE,	2
17	CB-35777	CABLE, CAN-FAN, 4 POLE	2
18	CN-3731	CONTACTOR, 50 AMP	3
19	–	ENVELOPE, PRESS ON	1
20	FI-33225	FILTER LINE 115/250V 50/60HZ	2
21	FU-34770	FUSE HOLDER, 3 BANK	1
22	FU-34771	FUSE HOLDER, 2 BANK	2
23	FU-34772	FUSE, 15 AMP	7
24	FU-35304	5X20mm, SLOW BLO, 8 AMP, 250V	1
25	FU-35728	FUSE HOLDER, 60 AMP 480V CLASS G	2
26	FU-35734	FUSE, 60 AMP, SLC CLASS G	6
27	FU-36668	5X20mm, SLOW BLO, 5 AMP, 250V	1

Item	Part	Description	Qty.
28	–	LABEL, FUSE WARNING	1
29	RL-33930	RELAY, POWER, SPDT, 15 AMP, 12V.DC	1
30	RL-34634	UNIVERSAL MOUNTING SOCKET	3
31	RL-36100	RELAY, DPDT, 12VDC	2
32	SC-22268	SCREW, M3x0.5X8mm PAN	2
33	SC-22273	SCREW, M4x0.7X10mm PAN	4
34	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	9
35	TM-3779	TERMINAL BLOCK	5
36	TM-3780	TERMINALS, SER., 35mm	15
37	TM-3782	TERMINAL, GROUND, 35mm	1
38	TM-3786	TERMINAL, 35mm WALL, PART	3
39	TM-3788	TERMINALS, MARK, L	3
40	TM-3790	TERMINALS, MARK, 1	1
41	TM-3791	TERMINALS, MARK, 2	1
42	TM-3792	TERMINALS, MARK, 3	1
43	TM-34305	TERMINAL, SCREWLESS END	6
44	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
45	TM-34309	TERMINAL, END SECTION, SPRING	1
46	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
47	TM-34315	TERMINAL, END PLATE	1
48	TM-34937	TERMINAL, 7-POLE GREEN, MSTB	2
49	TM-35982	TERMINAL, JUMPER BAR 5 POLE	3
50	TT-36119	THERMOSTAT, BI-METAL,100 DEG CLOSE	1
51	WS-22294	WASHER, FLAT M4 18-8 S/S	4
52	WS-22299	WASHER, M3 SPLIT LOCK	2
53	WS-22300	WASHER, M4 SPLIT LOCK	4

PARTS INFORMATION

CTP20-10EB, 440V



5015880

CTP20-10EB, 440V - CONTINUED

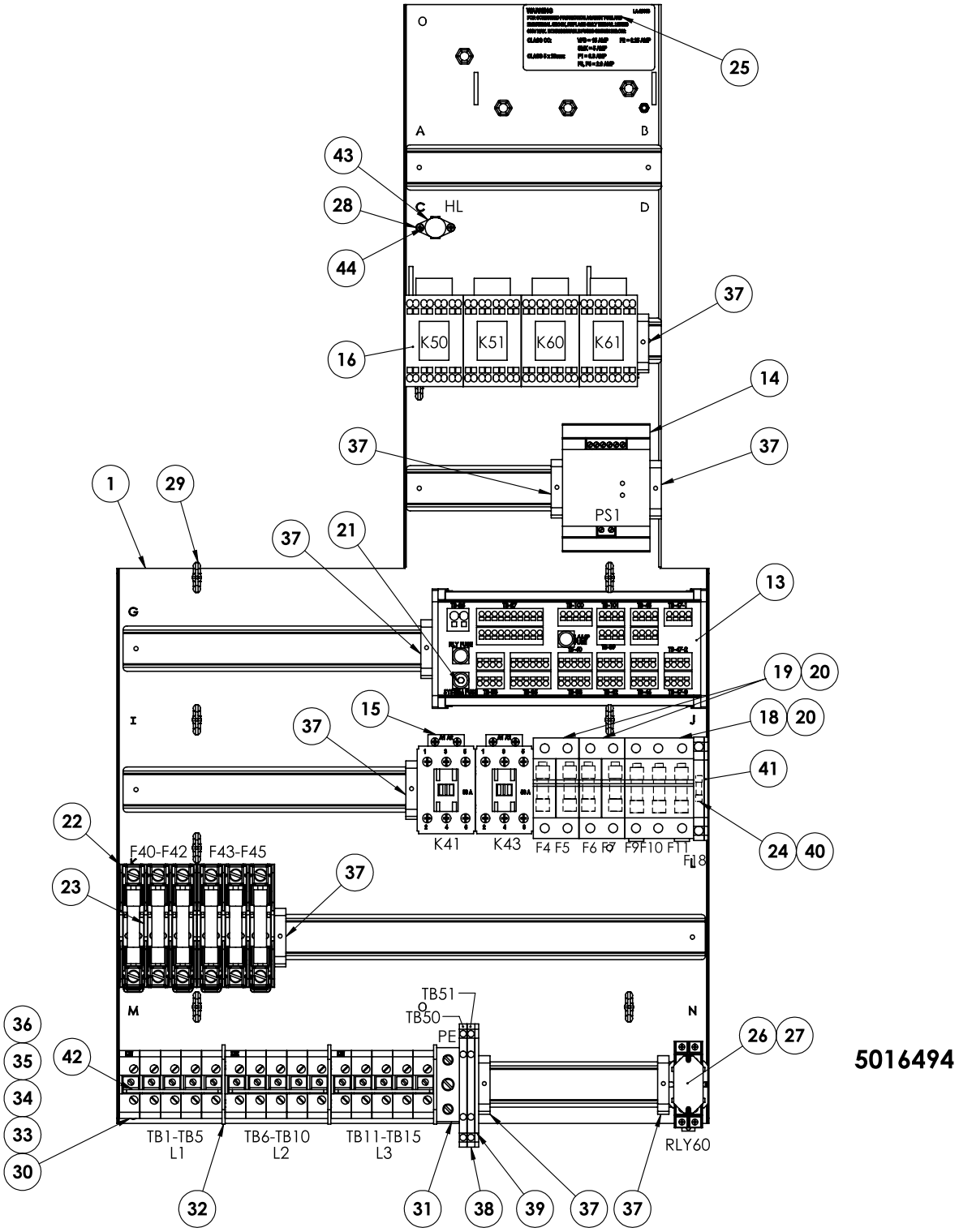
5015880

Item	Part	Description	Qty.
1	5015271	PANEL ASSY, ELECTRICAL CHASSIS	1
2	–	WIRE ASSY, 20-10E; 440V	1
3	–	20-20EB 440V WIRE ASSY	1
4	–	WIRE ASSY, 20-10, 20-20	1
5	5015481	BRACKET ASSY,MOTOR DRIVE MOUNT	2
6	–	WIRE ASSY, 20-10, 20-20	1
7	–	WIRE ASSY, 20-10, 20-20	1
8	–	WIRE ASSY, 20-10, 20-20	1
9	–	WIRE ASSY, 20-10, 20-20	1
10	–	WIRE ASSY, 20-10, 20-20	1
11	–	WIRE ASSY, 20-10, 20-20	1
12	–	WIRE ASSY, 20-10, 20-20	1
13	–	WIRE ASSY, 20-10, 20-20	1
14	–	WIRING ASSEMBLY	1
15	–	KIT, BROWNING VALVE MOTOR	1
16	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
17	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
18	BA-35776	BOARD, VF MOTOR DRIVE,	2
19	CB-35777	CABLE, CAN-FAN, 4 POLE	2
20	CN-3654	CONTACTOR, 40 AMP	3
21	CN-3731	CONTACTOR, 50 AMP	3
22	–	ENVELOPE, PRESS ON	1
23	FI-33225	FILTER LINE 115/250V 50/60HZ	2
24	FU-34770	FUSE HOLDER, 3 BANK	1
25	FU-34771	FUSE HOLDER, 2 BANK	2
26	FU-34772	FUSE, 15 AMP	7
27	FU-35304	5X20mm, SLOW BLO, 8 AMP, 250V	1
28	FU-35728	FUSE HOLDER, 60 AMP 480V CLASS G	2
29	FU-35734	FUSE, 60 AMP, SLC CLASS G	6

Item	Part	Description	Qty.
30	FU-36668	5X20mm, SLOW BLO, 5 AMP, 250V	1
31	–	LABEL, FUSE WARNING	1
32	RL-33930	RELAY, POWER, SPDT, 15 AMP, 12V.DC	1
33	RL-34634	UNIVERSAL MOUNTING SOCKET	3
34	RL-36100	RELAY, DPDT, 12VDC	2
35	SC-22268	SCREW, M3x0.5X8mm PAN	2
36	SC-22273	SCREW, M4x0.7X10mm PAN	4
37	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	9
38	TM-3779	TERMINAL BLOCK	5
39	TM-3780	TERMINALS, SER., 35mm	15
40	TM-3782	TERMINAL, GROUND, 35mm	1
41	TM-3786	TERMINAL, 35mm WALL, PART	3
42	TM-3788	TERMINALS, MARK, L	3
43	TM-3790	TERMINALS, MARK, 1	1
44	TM-3791	TERMINALS, MARK, 2	1
45	TM-3792	TERMINALS, MARK, 3	1
46	TM-34305	TERMINAL, SCREWLESS END	8
47	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
48	TM-34309	TERMINAL, END SECTION, SPRING	1
49	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
50	TM-34315	TERMINAL, END PLATE	1
51	TM-34437	PARTITION WALL, 1 POLE	1
52	TM-34438	TERMINAL, SPRING CLAMP, 1 POLE	6
53	TM-34937	TERMINAL, 7-POLE GREEN, MSTB	2
54	TM-35982	TERMINAL, JUMPER BAR 5 POLE	3
55	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
56	WS-22294	WASHER, FLAT M4 18-8 S/S	4
57	WS-22299	WASHER, M3 SPLIT LOCK	2
58	WS-22300	WASHER, M4 SPLIT LOCK	4

PARTS INFORMATION

CTC20-10E, 208V



5016494

CTC20-10E, 208V - CONTINUED

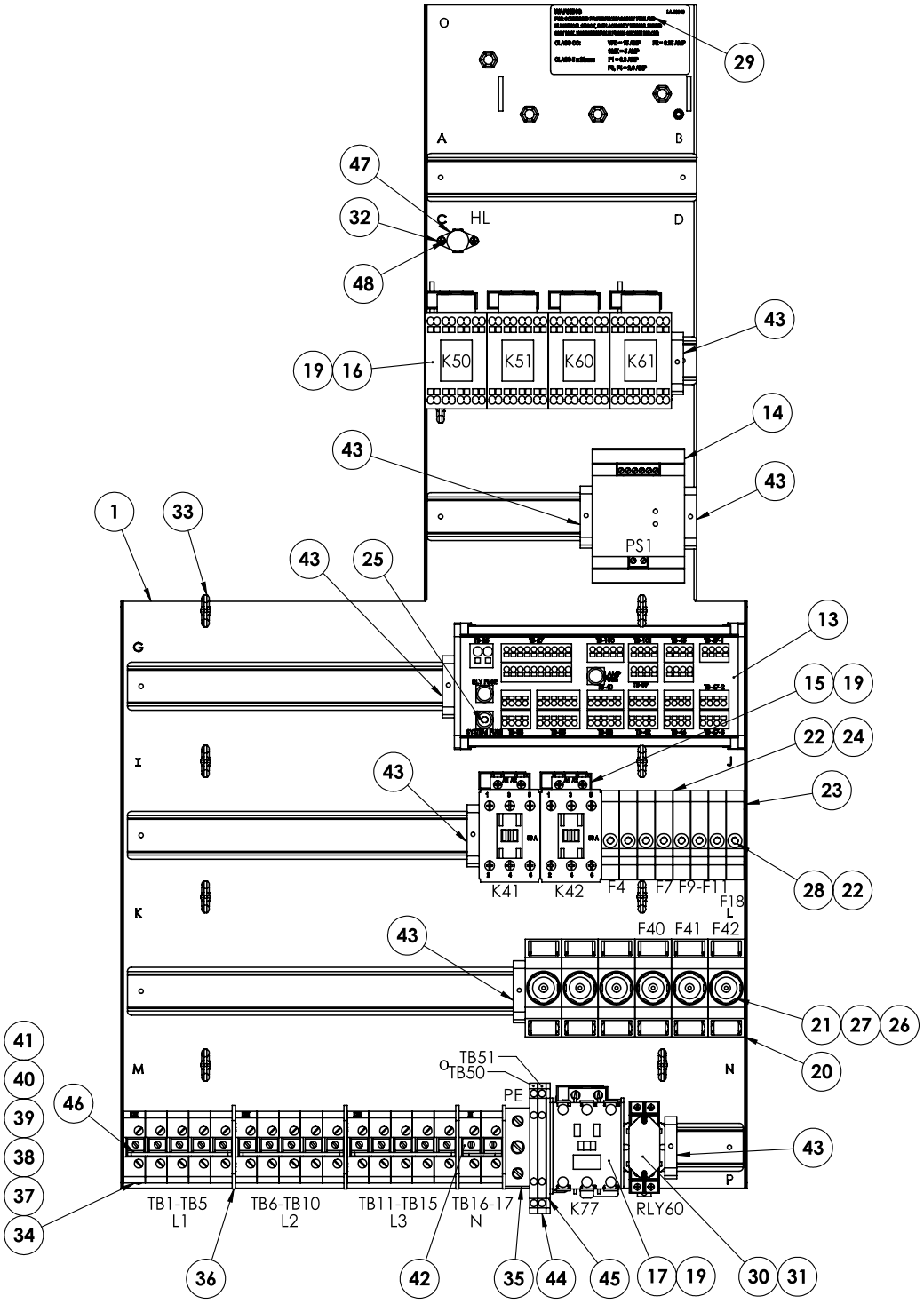
5016494

Item	Part	Description	Qty.
1	5015271	PANEL ASSY, ELECTRICAL CHASSIS	1
2	–	WIRE ASSY, 20-10, 20-20	1
3	–	WIRE ASSY, 20-10, 20-20	1
4	–	WIRE ASSY, 20-10E 208V	1
5	–	WIRE ASSY, 20-10, 20-20	1
6	–	WIRE ASSY, 20-10, 20-20	1
7	–	WIRE ASSY, 20-10, 20-20	1
8	–	WIRE ASSY, 20-10, 20-20	1
9	–	WIRE ASSY, 10-20, 20-10	1
10	–	WIRE ASSEMBLY	1
11	–	WIRING ASSEMBLY	1
12	–	WIRE ASSEMBLY	1
13	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
14	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
15	CN-3731	CONTACTOR, 50 AMP	2
16	CN-34304	CONTACTOR, 240V, 25 AMP	4
17	–	ENVELOPE, PRESS ON	1
18	FU-34770	FUSE HOLDER, 3 BANK	1
19	FU-34771	FUSE HOLDER, 2 BANK	2
20	FU-34772	FUSE, 15 AMP	7
21	FU-35304	5X20mm, SLOW BLO, 8 AMP, 250V	1
22	FU-35728	FUSE HOLDER, 60 AMP 480V CLASS G	2

Item	Part	Description	Qty.
23	FU-35734	FUSE, 60 AMP, SLC CLASS G	6
24	FU-36668	5X20mm, SLOW BLO, 5 AMP, 250V	1
25	–	LABEL, FUSE WARNING	1
26	RL-33930	RELAY, POWER, SPDT, 15 AMP, 12V.DC	1
27	RL-34634	UNIVERSAL MOUNTING SOCKET	1
28	SC-22268	SCREW, M3x0.5X8mm PAN	2
29	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	9
30	TM-3780	TERMINALS, SER., 35mm	15
31	TM-3782	TERMINAL, GROUND, 35mm	1
32	TM-3786	TERMINAL, 35mm WALL, PART	3
33	TM-3788	TERMINALS, MARK, L	3
34	TM-3790	TERMINALS, MARK, 1	1
35	TM-3791	TERMINALS, MARK, 2	1
36	TM-3792	TERMINALS, MARK, 3	1
37	TM-34305	TERMINAL, SCREWLESS END	8
38	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
39	TM-34309	TERMINAL, END SECTION, SPRING	1
40	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
41	TM-34315	TERMINAL, END PLATE	1
42	TM-35982	TERMINAL, JUMPER BAR 5 POLE	3
43	TT-36119	THERMOSTAT, BI-METAL,100 DEG CLOSE	1
44	WS-22299	WASHER, M3 SPLIT LOCK	2

PARTS INFORMATION

CTC20-10E, 380V



5016496

CTC20-10E, 380V - CONTINUED

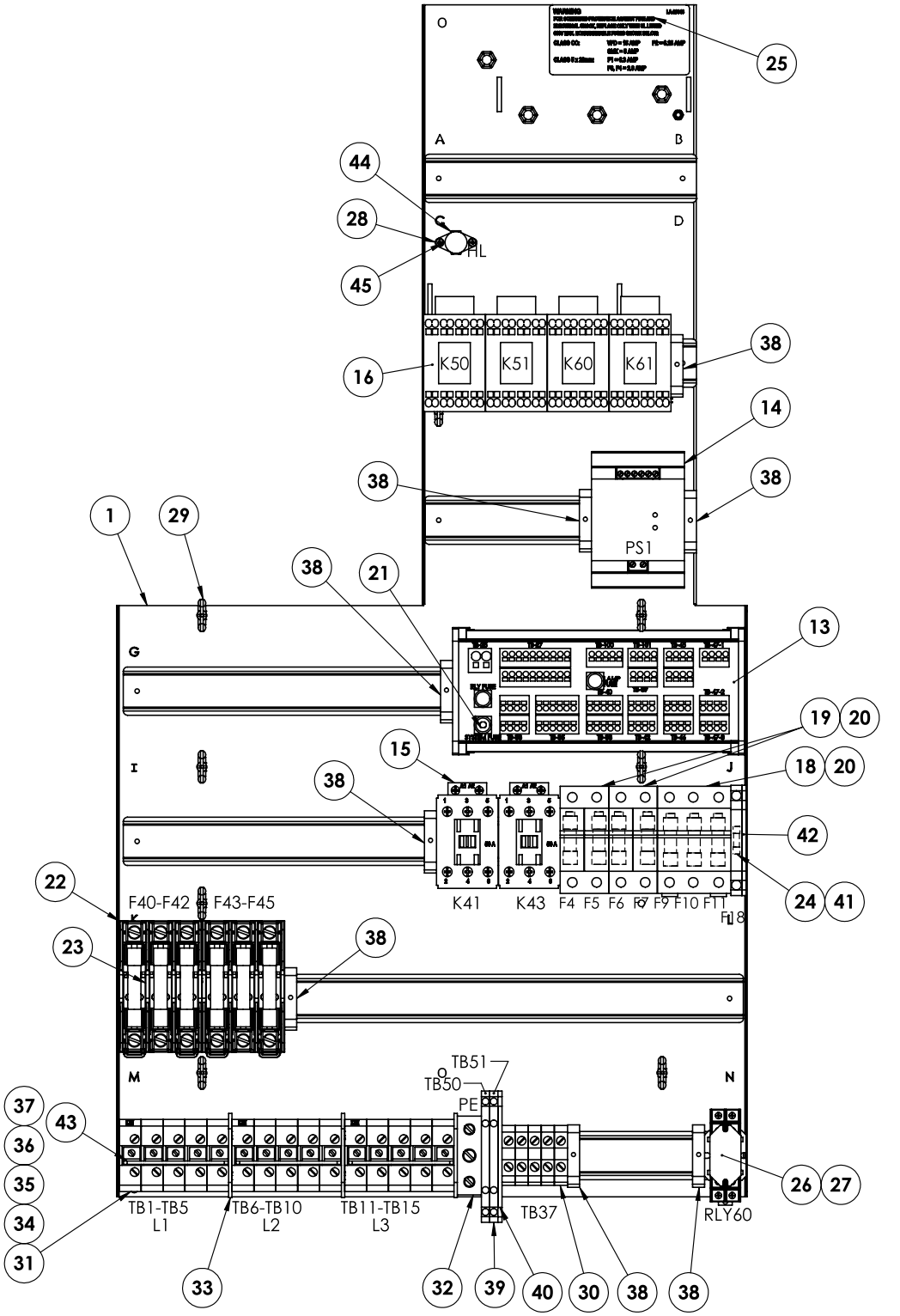
5016496

Item	Part	Description	Qty.
1	5015271	PANEL ASSY, ELECTRICAL CHASSIS	1
2	–	WIRE ASSY, 20-10, 20-20	1
3	–	WIRE ASSY, 20-10, 20-20	1
4	–	WIRE ASSY, 20-10E 380V	1
5	–	WIRE ASSY, 20-10, 20-20	1
6	–	WIRE ASSY, 20-10, 20-20	1
7	–	WIRE ASSY, 20-10, 20-20	1
8	–	WIRE ASSY, 20-10, 20-20	1
9	–	WIRE ASSY, 10-20, 20-10	1
10	–	WIRE ASSEMBLY	1
11	–	WIRING ASSEMBLY	1
12	–	WIRE ASSEMBLY	1
13	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
14	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8 AMP	1
15	CN-3731	CONTACTOR, 50 AMP	2
16	CN-34304	CONTACTOR, 240V, 25 AMP	4
17	CN-36605	CONTACTOR, 3POLE, WITH AC COIL	1
18	–	ENVELOPE, PRESS ON	1
19	FI-33990	EMI FILTER	7
20	FU-33444	FUSE, DO2 NEOZED BASE & COVER	6
21	FU-33445	FUSE, DO2 NEOZED SCREW CAP	6
22	FU-33451	FUSE, TERMINAL, 6.3 AMP	8
23	FU-34749	FUSE, HOLDER COVER	1
24	FU-34921	FUSE, NEOZED, 15 AMP	7

Item	Part	Description	Qty.
25	FU-35304	5X20mm, SLOW BLO, 8 AMP, 250V	1
26	FU-35497	FUSE, DO2 NEOZED GAUGE RING 50 AMP	6
27	FU-35850	FUSE, DO2 NEOZED 50 AMP, WHITE	6
28	FU-36668	5X20mm, SLOW BLO, 5 AMP, 250V	1
29	–	LABEL, FUSE WARNING	1
30	RL-33930	RELAY, POWER, SPDT, 15 AMP, 12V.DC	1
31	RL-34634	UNIVERSAL MOUNTING SOCKET	1
32	SC-22268	SCREW, M3x0.5X8mm PAN	2
33	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	9
34	TM-3780	TERMINALS, SER., 35mm	17
35	TM-3782	TERMINAL, GROUND, 35mm	1
36	TM-3786	TERMINAL, 35mm WALL, PART	4
37	TM-3788	TERMINALS, MARK, L	3
38	TM-3790	TERMINALS, MARK, 1	1
39	TM-3791	TERMINALS, MARK, 2	1
40	TM-3792	TERMINALS, MARK, 3	1
41	TM-33479	TERMINALS, MARK, N	1
42	TM-33837	JUMPER STRIP	1
43	TM-34305	TERMINAL, SCREWLESS END	7
44	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
45	TM-34309	TERMINAL, END SECTION, SPRING	1
46	TM-35982	TERMINAL, JUMPER BAR 5 POLE	3
47	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
48	WS-22299	WASHER, M3 SPLIT LOCK	2

PARTS INFORMATION

CTC20-10E, 440V

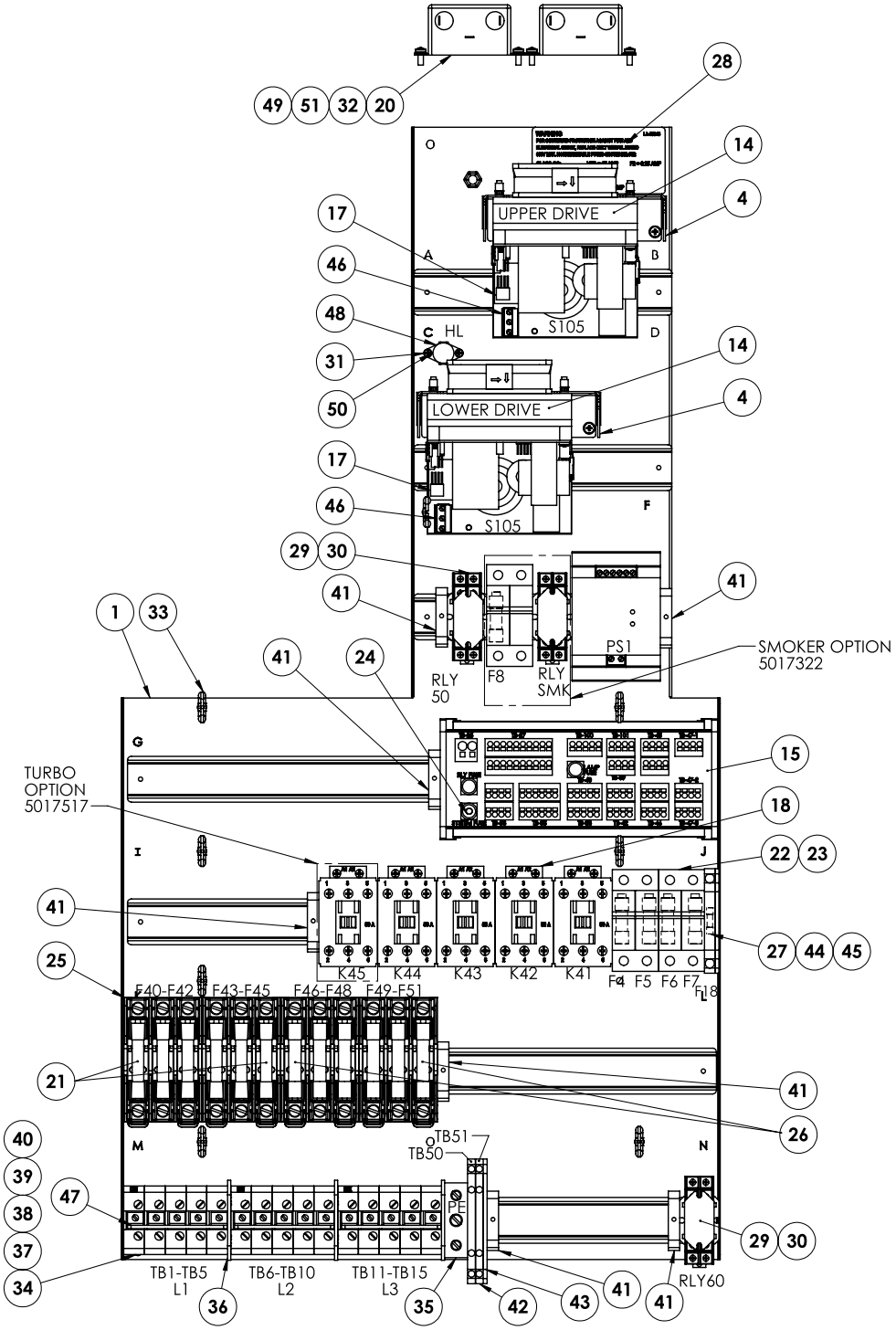


CTC20-10E, 440V - CONTINUED

5016498

Item	Part	Description	Qty.
1	5015271	PANEL ASSY, ELECTRICAL CHASSIS	1
2	–	WIRE ASSY, 20-10, 20-20	1
3	–	WIRE ASSY, 20-10, 20-20	1
4	–	WIRE ASSY, 20-10E 440V	1
5	–	WIRE ASSY, 20-10, 20-20	1
6	–	WIRE ASSY, 20-10, 20-20	1
7	–	WIRE ASSY, 20-10, 20-20	1
8	–	WIRE ASSY, 20-10, 20-20	1
9	–	WIRE ASSY, 20-10, 20-20	1
10	–	WIRE ASSY, 10-20, 20-10	1
11	–	WIRING ASSEMBLY	1
12	–	WIRE ASSEMBLY	1
13	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
14	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8 AMP	1
15	CN-3731	CONTACTOR, 50 AMP	2
16	CN-34304	CONTACTOR, 240V, 25 AMP	4
17	–	ENVELOPE, PRESS ON	1
18	FU-34770	FUSE HOLDER, 3 BANK	1
19	FU-34771	FUSE HOLDER, 2 BANK	2
20	FU-34772	FUSE, 15 AMP	7
21	FU-35304	5X20mm, SLOW BLO, 8 AMP, 250V	1
22	FU-35728	FUSE HOLDER, 60 AMP 480V CLASS G	2
23	FU-35734	FUSE, 60 AMP, SLC CLASS G	6

Item	Part	Description	Qty.
24	FU-36668	5X20mm, SLOW BLO, 5 AMP, 250V	1
25	–	LABEL, FUSE WARNING	1
26	RL-33930	RELAY, POWER, SPDT, 15 AMP, 12V.DC	1
27	RL-34634	UNIVERSAL MOUNTING SOCKET	1
28	SC-22268	SCREW, M3x0.5X8mm PAN	2
29	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	9
30	TM-3779	TERMINAL BLOCK	5
31	TM-3780	TERMINALS, SER., 35mm	15
32	TM-3782	TERMINAL, GROUND, 35mm	1
33	TM-3786	TERMINAL, 35mm WALL, PART	3
34	TM-3788	TERMINALS, MARK, L	3
35	TM-3790	TERMINALS, MARK, 1	1
36	TM-3791	TERMINALS, MARK, 2	1
37	TM-3792	TERMINALS, MARK, 3	1
38	TM-34305	TERMINAL, SCREWLESS END	8
39	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
40	TM-34309	TERMINAL, END SECTION, SPRING	1
41	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
42	TM-34315	TERMINAL, END PLATE	1
43	TM-35982	TERMINAL, JUMPER BAR 5 POLE	3
44	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
45	WS-22299	WASHER, M3 SPLIT LOCK	2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TB1-TB5
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TB6-TB10
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TB11-TB15
L3
RLY60
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5016059

CTP20-20E, 208V - CONTINUED

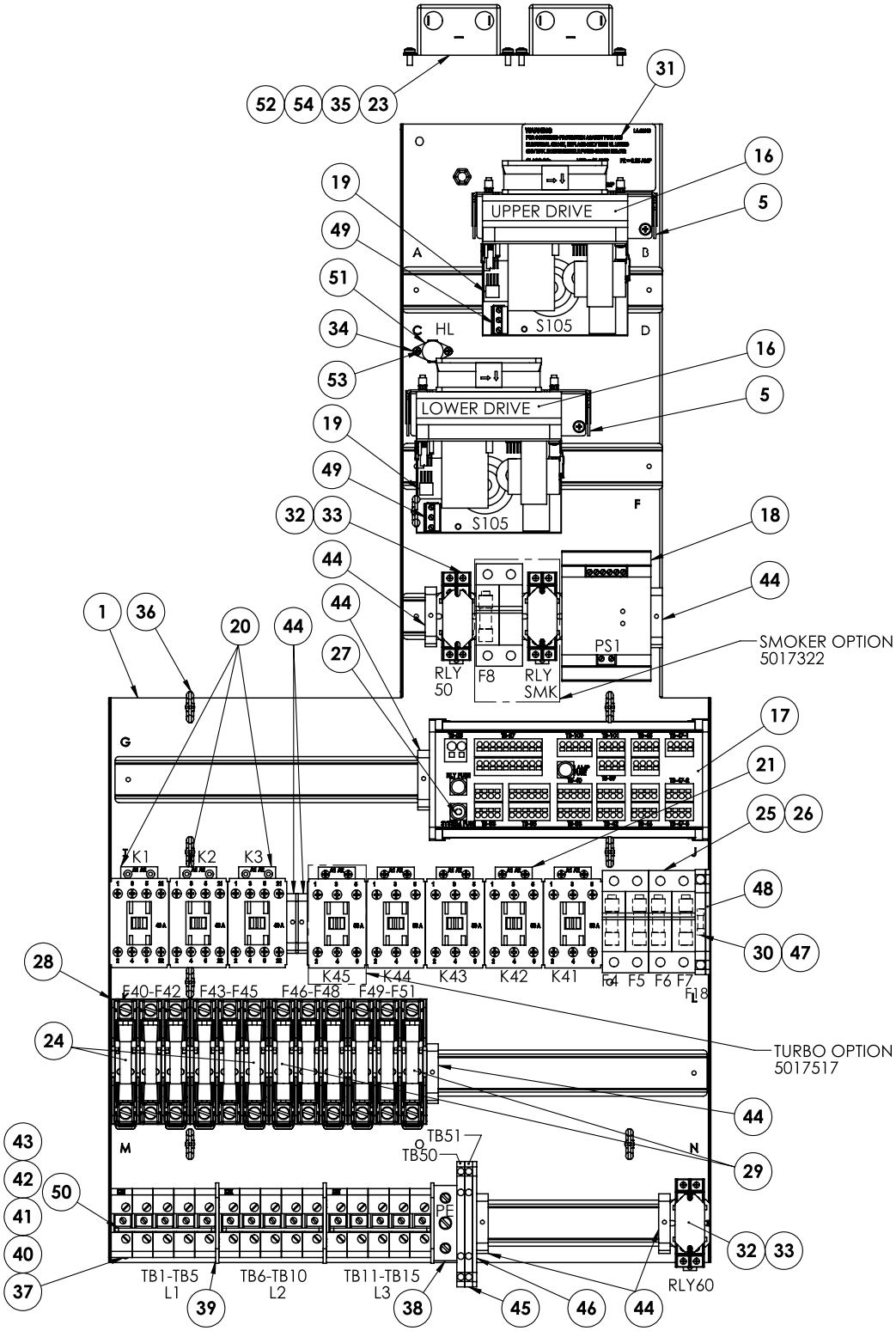
5016059

Item	Part	Description	Qty.
1	5015271	PANEL ASSY, ELECTRICAL CHASSIS	1
2	–	20-20 208V WIRE ASSY	1
3	–	WIRE ASSY, 20-10, 20-20	1
4	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	2
5	–	WIRE ASSY, 220-10, 20-20	1
6	–	WIRE ASSY, 20-10, 20-20	1
7	–	WIRE ASSY, 20-10, 20-20	1
8	–	WIRE ASSY, 20-10, 20-20	1
9	–	WIRE ASSY, 20-10, 20-20	1
10	–	WIRE ASSY, 20-10, 20-20	1
11	–	WIRE ASSEMBLY	1
12	–	WIRING ASSEMBLY	1
13	–	KIT, BROWNING VALVE MOTOR	1
14	BA-34676	BOARD, VF MOTOR DRIVE	2
15	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
16	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8 AMP	1
17	CB-35777	CABLE, CAN-FAN, 4 POLE	2
18	CN-3731	CONTACTOR, 50 AMP	4
19	–	ENVELOPE, PRESS ON	1
20	FI-33225	FILTER LINE 115/250V 50/60HZ	2
21	FU-33040	45 AMP, MP, CLASS G, 480V MED. TIME-LAG	6
22	FU-34771	FUSE HOLDER, 2 BANK	2
23	FU-34772	FUSE, 15 AMP	4
24	FU-35304	5X20mm, SLOW BLO, 8 AMP, 250V	1
25	FU-35728	FUSE HOLDER, 60 AMP 480V CLASS G	4
26	FU-35734	FUSE, 60 AMP, SLC CLASS G	6

Item	Part	Description	Qty.
27	FU-36668	5X20mm, SLOW BLO, 5 AMP, 250V	1
28	–	LABEL, FUSE WARNING	1
29	RL-33930	RELAY, POWER, SPDT, 15 AMP, 12V.DC	2
30	RL-34634	UNIVERSAL MOUNTING SOCKET	2
31	SC-22268	SCREW, M3x0.5X8mm PAN	2
32	SC-22273	SCREW, M4x0.7X10mm PAN	4
33	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	9
34	TM-3780	TERMINALS, SER., 35mm	15
35	TM-3782	TERMINAL, GROUND, 35mm	1
36	TM-3786	TERMINAL, 35mm WALL, PART	3
37	TM-3788	TERMINALS, MARK, L	3
38	TM-3790	TERMINALS, MARK, 1	1
39	TM-3791	TERMINALS, MARK, 2	1
40	TM-3792	TERMINALS, MARK, 3	1
41	TM-34305	TERMINAL, SCREWLESS END	7
42	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
43	TM-34309	TERMINAL, END SECTION, SPRING	1
44	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
45	TM-34315	TERMINAL, END PLATE	1
46	TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	2
47	TM-35982	TERMINAL, JUMPER BAR 5 POLE	3
48	TT-36119	THERMOSTAT, BI-METAL,100 DEG CLOSE	1
49	WS-22294	WASHER, FLAT M4 18-8 S/S	4
50	WS-22299	WASHER, M3 SPLIT LOCK	2
51	WS-22300	WASHER, M4 SPLIT LOCK	4

PARTS INFORMATION

CTP20-20EB, 208V



5016060

CTP20-20EB, 208V - CONTINUED

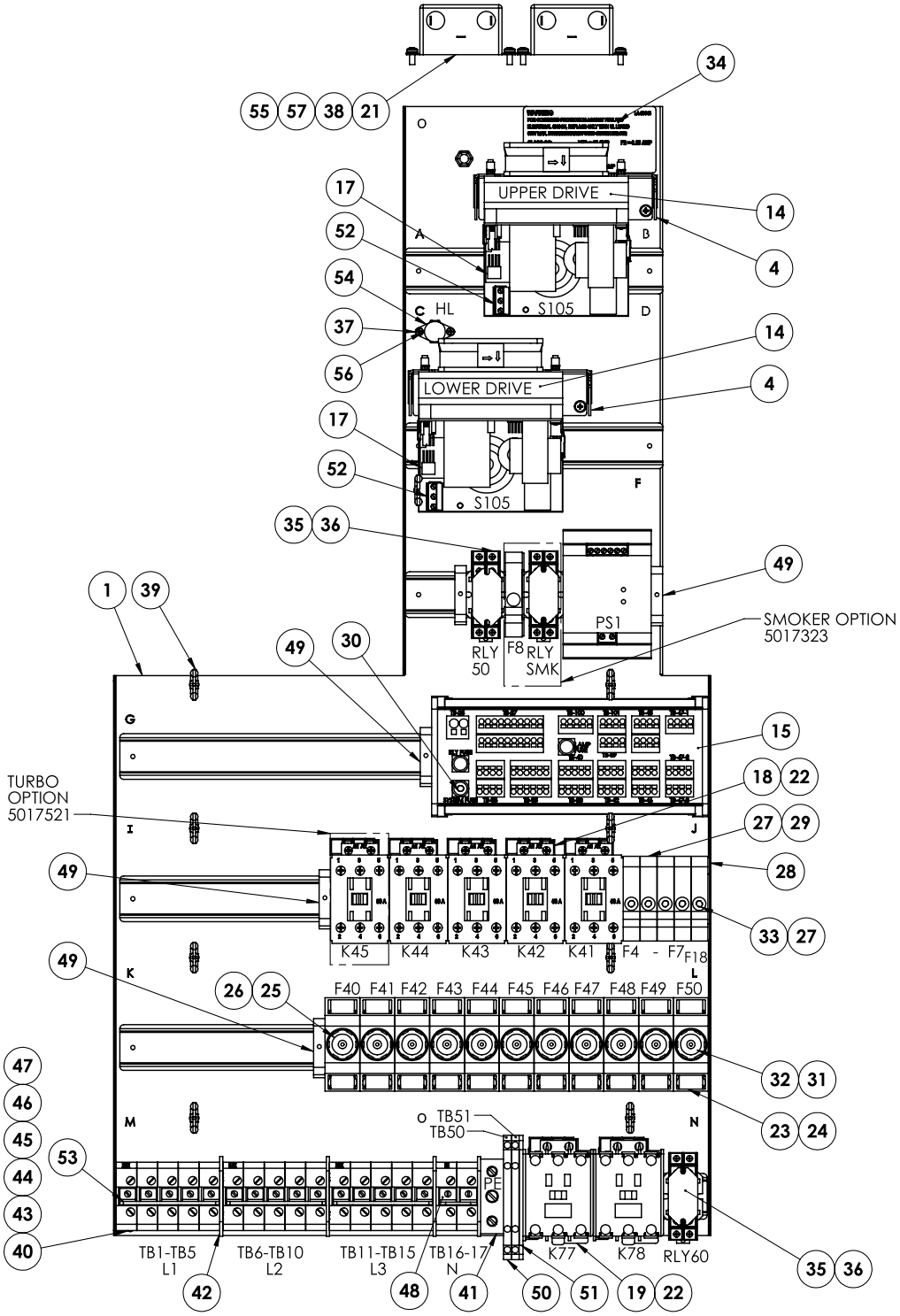
5016060

Item	Part	Description	Qty.
1	5015271	PANEL ASSY,bELECTRICAL CHASSIS	1
2	–	20-20 208V WIRE ASSY	1
3	–	WIRE ASSY, 20-10EB, 2020EB, 208V	1
4	–	WIRE ASSY, 20-10, 20-20	1
5	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	2
6	–	WIRE ASSY, 20-10, 20-20,	1
7	–	WIRE ASSY, 20-10, 20-20	1
8	–	WIRE ASSY, 20-10, 20-20	1
9	–	WIRE ASSY, 20-10, 20-20	1
10	–	WIRE ASSY, 20-10, 20-20	1
11	–	WIRE ASSY, 20-10, 20-20	1
12	–	WIRE ASSY, 20-10, 20-20	1
13	–	WIRE ASSEMBLY	1
14	–	WIRING ASSEMBLY	1
15	–	KIT, BROWNING VALVE MOTOR	1
16	BA-34676	BOARD, VF MOTOR DRIVE	2
17	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
18	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8 AMP	1
19	CB-35777	CABLE, CAN-FAN, 4 POLE	2
20	CN-3654	CONTACTOR, 40 AMP	3
21	CN-3731	CONTACTOR, 50 AMP	4
22	–	ENVELOPE, PRESS ON	1
23	FI-33225	FILTER LINE 115/250V 50/60HZ	2
24	FU-33040	45 AMP, MP, CLASS G, 480V MED. TIME-LAG	6
25	FU-34771	FUSE HOLDER, 2 BANK	2
26	FU-34772	FUSE, 15 AMP	4
27	FU-35304	5X20mm, SLOW BLO, 8 AMP, 250V	1

Item	Part	Description	Qty.
28	FU-35728	FUSE HOLDER, 60 AMP 480V CLASS G	4
29	FU-35734	FUSE, 60 AMP, SLC CLASS G	6
30	FU-36668	5X20mm, SLOW BLO, 5 AMP, 250V	1
31	–	LABEL, FUSE WARNING	1
32	RL-33930	RELAY, POWER, SPDT, 15 AMP, 12V.DC	2
33	RL-34634	UNIVERSAL MOUNTING SOCKET	2
34	SC-22268	SCREW, M3x0.5X8mm PAN	2
35	SC-22273	SCREW, M4x0.7X10mm PAN	4
36	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	9
37	TM-3780	TERMINALS, SER., 35mm	15
38	TM-3782	TERMINAL, GROUND, 35mm	1
39	TM-3786	TERMINAL, CT, 35mm WALL, PART	3
40	TM-3788	TERMINALS, MARK, L	3
41	TM-3790	TERMINALS, MARK, 1	1
42	TM-3791	TERMINALS, MARK, 2	1
43	TM-3792	TERMINALS, MARK, 3	1
44	TM-34305	TERMINAL, SCREWLESS END	8
45	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
46	TM-34309	TERMINAL,END SECTION, SPRING	1
47	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
48	TM-34315	TERMINAL, END PLATE	1
49	TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	2
50	TM-35982	TERMINAL, JUMPER BAR 5 POLE	3
51	TT-36119	THERMOSTAT, BI-METAL,100 DEG CLOSE	1
52	WS-22294	WASHER, FLAT M4 18-8 S/S	4
53	WS-22299	WASHER, M3 SPLIT LOCK	2
54	WS-22300	WASHER, M4 SPLIT LOCK	4

PARTS INFORMATION

CTP20-20E, 380V



5016061

CTP20-20E, 380V - CONTINUED

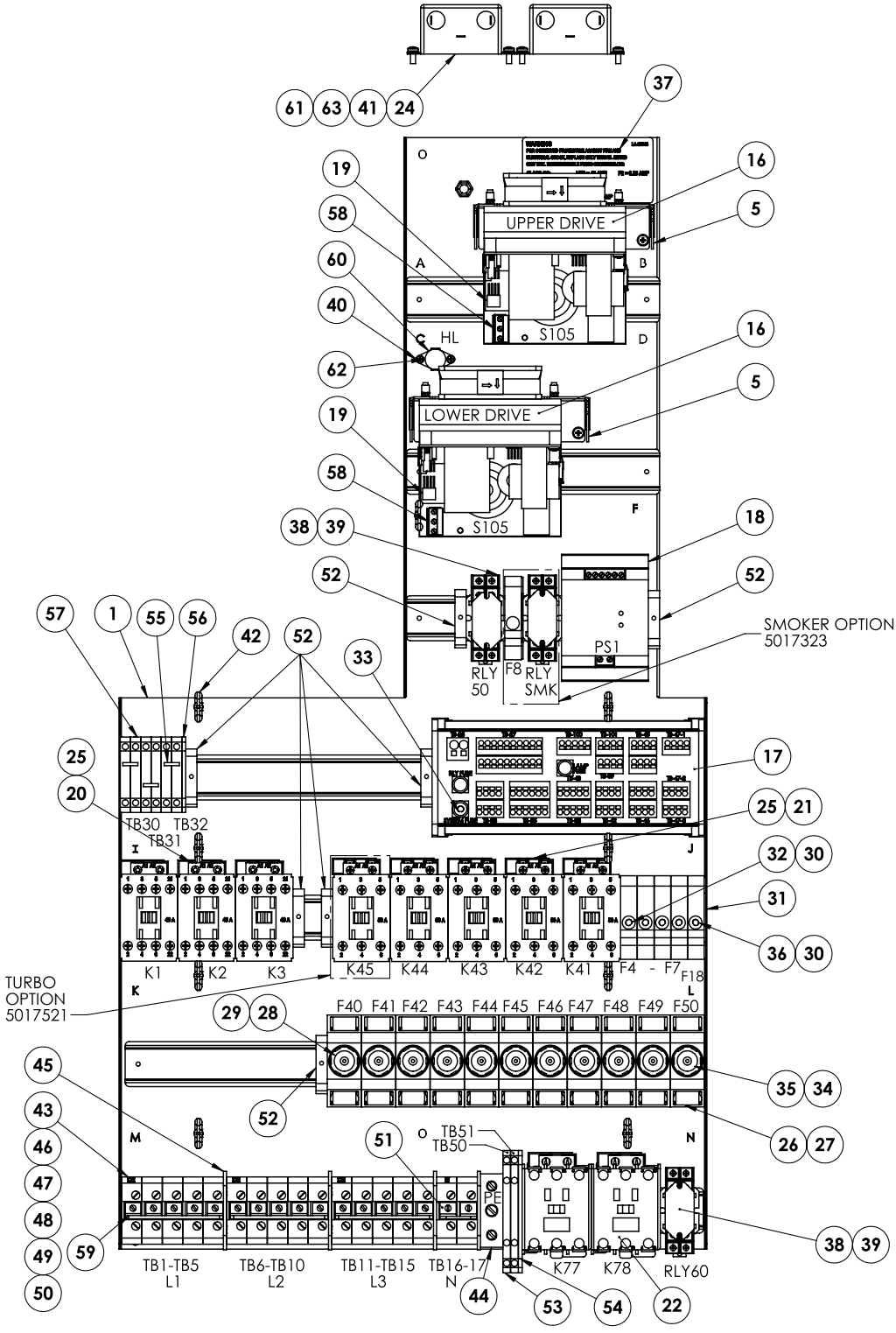
5016061

Item	Part	Description	Qty.
1	5015271	PANEL ASSY, ELECTRICAL CHASSIS	1
2	–	20-20E 380V WIRE ASSY	1
3	–	WIRE ASSY, 20-10, 20-20	1
4	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	2
5	–	WIRE ASSY, 20-10, 20-20	1
6	–	WIRE ASSY, 20-10, 20-20	1
7	–	WIRE ASSY, 20-10, 20-20	1
8	–	WIRE ASSY, 20-10, 20-20	1
9	–	WIRE ASSY, 20-10, 20-20	1
10	–	WIRE ASSY, 20-10, 20-20	1
11	–	WIRE ASSEMBLY	1
12	–	WIRING ASSEMBLY	1
13	–	KIT, BROWNING VALVE MOTOR	1
14	BA-34676	BOARD, VF MOTOR DRIVE	2
15	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
16	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8 AMP	1
17	CB-35777	CABLE, CAN-FAN, 4 POLE	2
18	CN-3731	CONTACTOR, 50 AMP	4
19	CN-36605	CONTACTOR, 3POLE, WITH AC COIL	2
20	–	ENVELOPE, PRESS ON	1
21	FI-33225	FILTER LINE 115/250V 50/60HZ	2
22	FI-33990	EMI FILTER	6
23	FU-33444	FUSE, DO2 NEOZED BASE & COVER	11
24	FU-33445	FUSE, DO2 NEOZED SCREW CAP	11
25	FU-33448	FUSE, DO2 NEOZED GAUGE RING 25 AMP	8
26	FU-33449	FUSE, DO2 NEOZED 25 AMP, YELLOW	8
27	FU-33451	FUSE, TERMINAL, 6.3 AMP	5
28	FU-34749	FUSE, HOLDER COVER	1
29	FU-34921	FUSE, NEOZED, 15 AMP	4

Item	Part	Description	Qty.
30	FU-35304	5X20mm, SLOW BLO, 8AMP, 250V	1
31	FU-35497	FUSE, DO2 NEOZED GAUGE RING 50 AMP	3
32	FU-35850	FUSE, DO2 NEOZED 50 AMP, WHITE	3
33	FU-36668	5X20mm, SLOW BLO, 5AMP, 250V	1
34	–	LABEL, FUSE WARNING	1
35	RL-33930	RELAY, POWER, SPDT, 15 AMP, 12V.DC	2
36	RL-34634	UNIVERSAL MOUNTING SOCKET	2
37	SC-22268	SCREW, M3x0.5X8mm PAN	2
38	SC-22273	SCREW, M4x0.7X10mm PAN	4
39	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	9
40	TM-3780	TERMINALS, SER., 35mm	17
41	TM-3782	TERMINAL, GROUND, 35mm	1
42	TM-3786	TERMINAL, 35mm WALL, PART	4
43	TM-3788	TERMINALS, MARK, L	3
44	TM-3790	TERMINALS, MARK, 1	1
45	TM-3791	TERMINALS, MARK, 2	1
46	TM-3792	TERMINALS, MARK, 3	1
47	TM-33479	TERMINALS, MARK, N	1
48	TM-33837	JUMPER STRIP	1
49	TM-34305	TERMINAL, SCREWLESS END	5
50	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
51	TM-34309	TERMINAL, END SECTION, SPRING	1
52	TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	2
53	TM-35982	TERMINAL, JUMPER BAR 5 POLE	3
54	TT-36119	THERMOSTAT, BI-METAL,100 DEG CLOSE	1
55	WS-22294	WASHER, FLAT M4 18-8 S/S	4
56	WS-22299	WASHER, M3 SPLIT LOCK	2
57	WS-22300	WASHER, M4 SPLIT LOCK	4

PARTS INFORMATION

CTP20-20EB, 380V



5016062

CTP20-20EB, 380V - CONTINUED

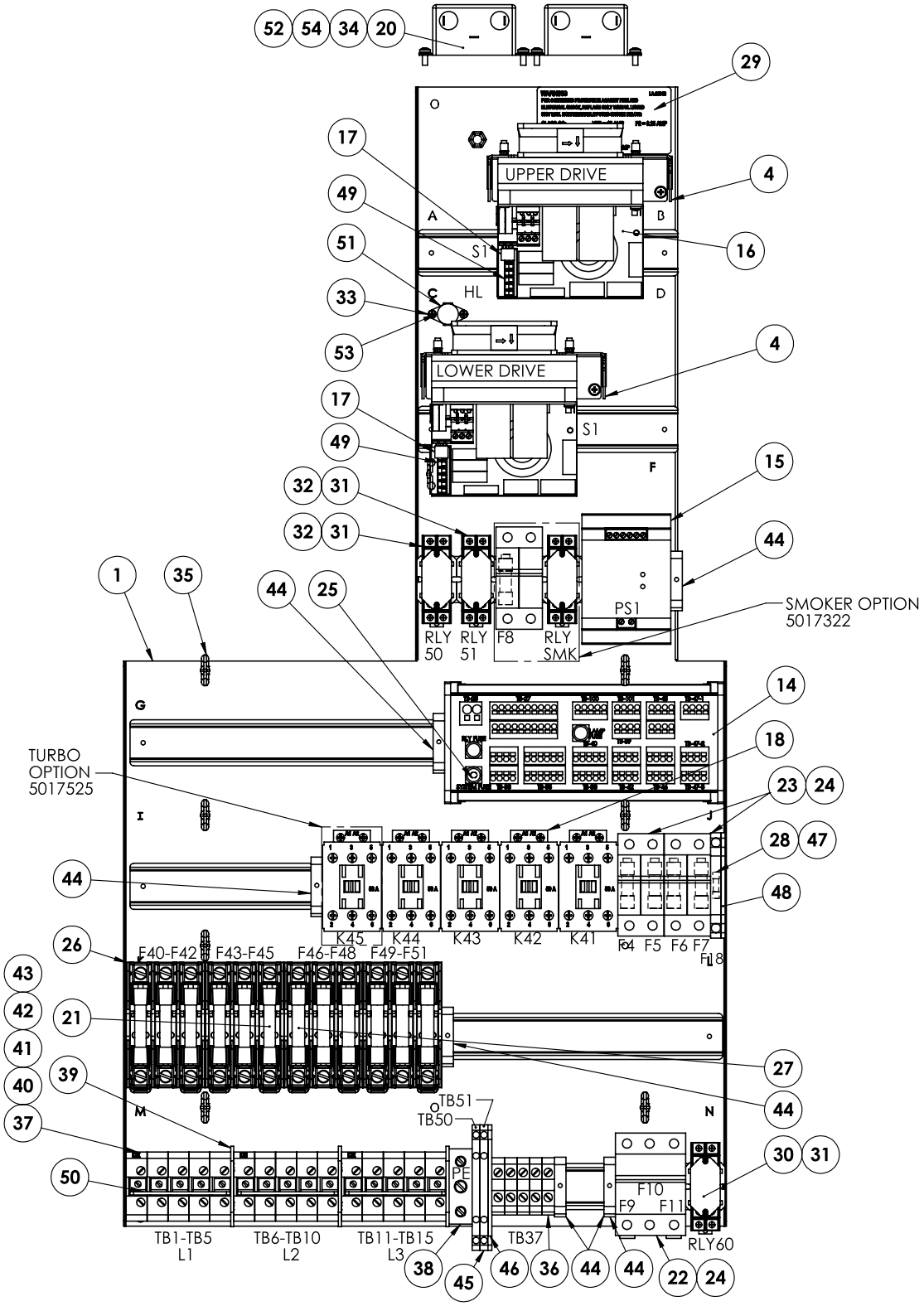
5016062

Item	Part	Description	Qty.
1	5015271	PANEL ASSY, ELECTRICAL CHASSIS	1
2	–	20-20E 380V WIRE ASSY	1
3	–	20-20EB 380V WIRE ASSY	1
4	–	WIRE ASSY, 20-10, 20-20	1
5	5015481	BRACKET ASSY,MOTOR DRIVE MOUNT	2
6	–	WIRE ASSY, 20-10, 20-20	1
7	–	WIRE ASSY, 20-10, 20-20	1
8	–	WIRE ASSY, 20-10, 20-20	1
9	–	WIRE ASSY, 20-10, 20-20	1
10	–	WIRE ASSY, 20-10, 20-20	1
11	–	WIRE ASSY, 20-10, 20-20	1
12	–	WIRE ASSY, 20-10, 20-20	1
13	–	WIRE ASSEMBLY	1
14	–	WIRING ASSEMBLY	1
15	–	KIT, BROWNING VALVE MOTOR	1
16	BA-34676	BOARD, VF MOTOR DRIVE	2
17	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
18	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
19	CB-35777	CABLE, CAN-FAN, 4 POLE	2
20	CN-3654	CONTACTOR, 40 AMP	3
21	CN-3731	CONTACTOR, 50 AMP	4
22	CN-36605	CONTACTOR, 3POLE, WITH AC COIL	2
23	–	ENVELOPE, PRESS ON	1
24	FI-33225	FILTER LINE 115/250V 50/60HZ	2
25	FI-33990	EMI FILTER	9
26	FU-33444	FUSE, DO2 NEOZED BASE & COVER	11
27	FU-33445	FUSE, DO2 NEOZED SCREW CAP	11
28	FU-33448	FUSE, DO2 NEOZED GAUGE RING 25 AMP	8
29	FU-33449	FUSE, DO2 NEOZED 25 AMP, YELLOW	8
30	FU-33451	FUSE, TERMINAL, 6.3 AMP	5
31	FU-34749	FUSE, HOLDER COVER	1
32	FU-34921	FUSE, NEOZED, 15 AMP	4

Item	Part	Description	Qty.
33	FU-35304	5X20mm, SLOW BLO, 8 AMP, 250V	1
34	FU-35497	FUSE, DO2 NEOZED GAUGE RING 50 AMP	3
35	FU-35850	FUSE, DO2 NEOZED 50 AMP, WHITE	3
36	FU-36668	5X20mm, SLOW BLO, 5 AMP, 250V	1
37	–	LABEL, FUSE WARNING	1
38	RL-33930	RELAY, POWER, SPDT, 15 AMP, 12V.DC	2
39	RL-34634	UNIVERSAL MOUNTING SOCKET	2
40	SC-22268	SCREW, M3x0.5X8mm PAN	2
41	SC-22273	SCREW, M4x0.7X10mm PAN	4
42	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	9
43	TM-3780	TERMINALS, SER., 35mm	17
44	TM-3782	TERMINAL, GROUND, 35mm	1
45	TM-3786	TERMINAL, CT, 35mm WALL, PART	4
46	TM-3788	TERMINALS, MARK, L	3
47	TM-3790	TERMINALS, MARK, 1	1
48	TM-3791	TERMINALS, MARK, 2	1
49	TM-3792	TERMINALS, MARK, 3	1
50	TM-33479	TERMINALS, MARK, N	1
51	TM-33837	JUMPER STRIP	1
52	TM-34305	TERMINAL, SCREWLESS END	7
53	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
54	TM-34309	TERMINAL, END SECTION, SPRING	1
55	TM-34310	JUMPER BAR	3
56	TM-34437	PARTITION WALL, 1 POLE	1
57	TM-34438	TERMINAL, SPRING CLAMP, 1 POLE	6
58	TM-34904	TERMINAL, 3-POLE GREEN, GMVSTBR	2
59	TM-35982	TERMINAL, JUMPER BAR 5 POLE	3
60	TT-36119	THERMOSTAT, BI-METAL,100 DEG CLOSE	1
61	WS-22294	WASHER, FLAT M4 18-8 S/S	4
62	WS-22299	WASHER, M3 SPLIT LOCK	2
63	WS-22300	WASHER, M4 SPLIT LOCK	4

PARTS INFORMATION

CTP20-20E, 440V



5016063

CTP20-20E, 440V - CONTINUED

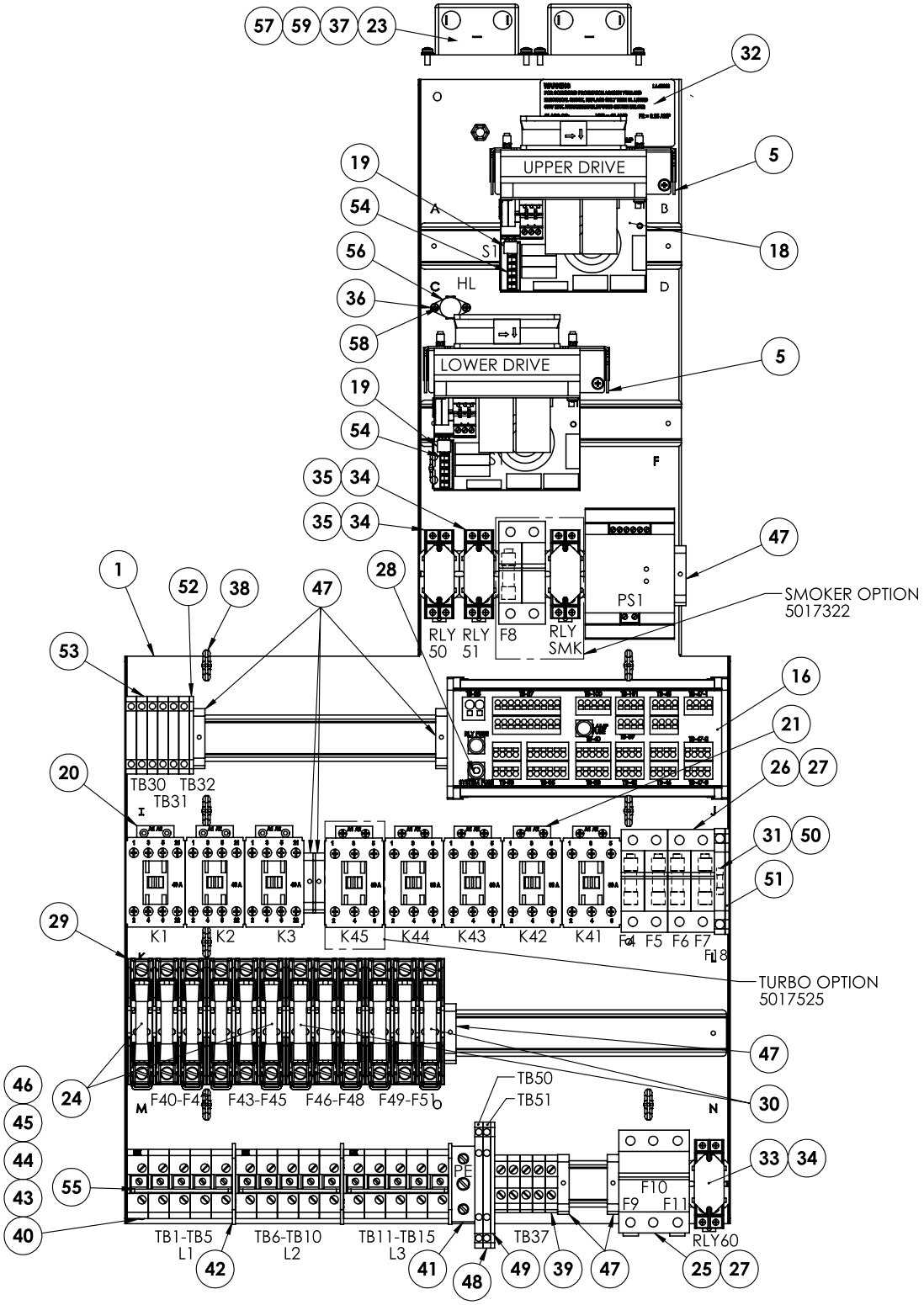
5016063

Item	Part	Description	Qty.
1	5015271	PANEL ASSY, ELECTRICAL CHASSIS	1
2	–	20-20E 440V WIRE ASSY	1
3	–	WIRE ASSY, 20-10, 20-20	1
4	5015481	BRACKET ASSY, MOTOR DRIVE MOUNT	2
5	–	WIRE ASSY, 20-10, 20-20	1
6	–	WIRE ASSY, 20-10, 20-20	1
7	–	WIRE ASSY, 20-10, 20-20	1
8	–	WIRE ASSY, 20-10, 20-20	1
9	–	WIRE ASSY, 20-10, 20-20	1
10	–	WIRE ASSY, 20-10, 20-20	1
11	–	WIRE ASSY, 20-10, 20-20	1
12	–	WIRING ASSEMBLY	1
13	–	KIT, BROWNING VALVE MOTOR	1
14	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
15	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8 AMP	1
16	BA-35776	BOARD, VF MOTOR DRIVE,	2
17	CB-35777	CABLE, CAN-FAN, 4 POLE	2
18	CN-3731	CONTACTOR, 50 AMP	4
19	–	ENVELOPE, PRESS ON	1
20	FI-33225	FILTER LINE 115/250V 50/60HZ	2
21	FU-33040	45 AMP, MP, CLASS G, 480V MED. TIME-LAG	6
22	FU-34770	FUSE HOLDER, 3 BANK	1
23	FU-34771	FUSE HOLDER, 2 BANK	2
24	FU-34772	FUSE, 15 AMP	7
25	FU-35304	5X20mm, SLOW BLO, 8 AMP, 250V	1
26	FU-35728	FUSE HOLDER, 60 AMP 480V CLASS G	4
27	FU-35734	FUSE, 60 AMP, SLC CLASS G	6

Item	Part	Description	Qty.
28	FU-36668	5X20mm, SLOW BLO, 5 AMP, 250V	1
29	–	LABEL, FUSE WARNING	1
30	RL-33930	RELAY, POWER, SPDT, 15 AMP, 12V.DC	1
31	RL-34634	UNIVERSAL MOUNTING SOCKET	3
32	RL-36100	RELAY, DPDT, 12VDC	2
33	SC-22268	SCREW, M3x0.5X8mm PAN	2
34	SC-22273	SCREW, M4x0.7X10mm PAN	4
35	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	9
36	TM-3779	TERMINAL BLOCK	5
37	TM-3780	TERMINALS, SER., 35mm	15
38	TM-3782	TERMINAL, GROUND, 35mm	1
39	TM-3786	TERMINAL, CT, 35mm WALL, PART	3
40	TM-3788	TERMINALS, MARK, L	3
41	TM-3790	TERMINALS, MARK, 1	1
42	TM-3791	TERMINALS, MARK, 2	1
43	TM-3792	TERMINALS, MARK, 3	1
44	TM-34305	TERMINAL, SCREWLESS END	6
45	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
46	TM-34309	TERMINAL, END SECTION, SPRING	1
47	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
48	TM-34315	TERMINAL, END PLATE	1
49	TM-34937	TERMINAL, 7-POLE GREEN, MSTB	2
50	TM-35982	TERMINAL, JUMPER BAR 5 POLE	3
51	TT-36119	THERMOSTAT, BI-METAL,100 DEG CLOSE	1
52	WS-22294	WASHER, FLAT M4 18-8 S/S	4
53	WS-22299	WASHER, M3 SPLIT LOCK	2
54	WS-22300	WASHER, M4 SPLIT LOCK	4

PARTS INFORMATION

CTP20-20EB, 440V



5016064

CTP20-20EB, 440V - CONTINUED

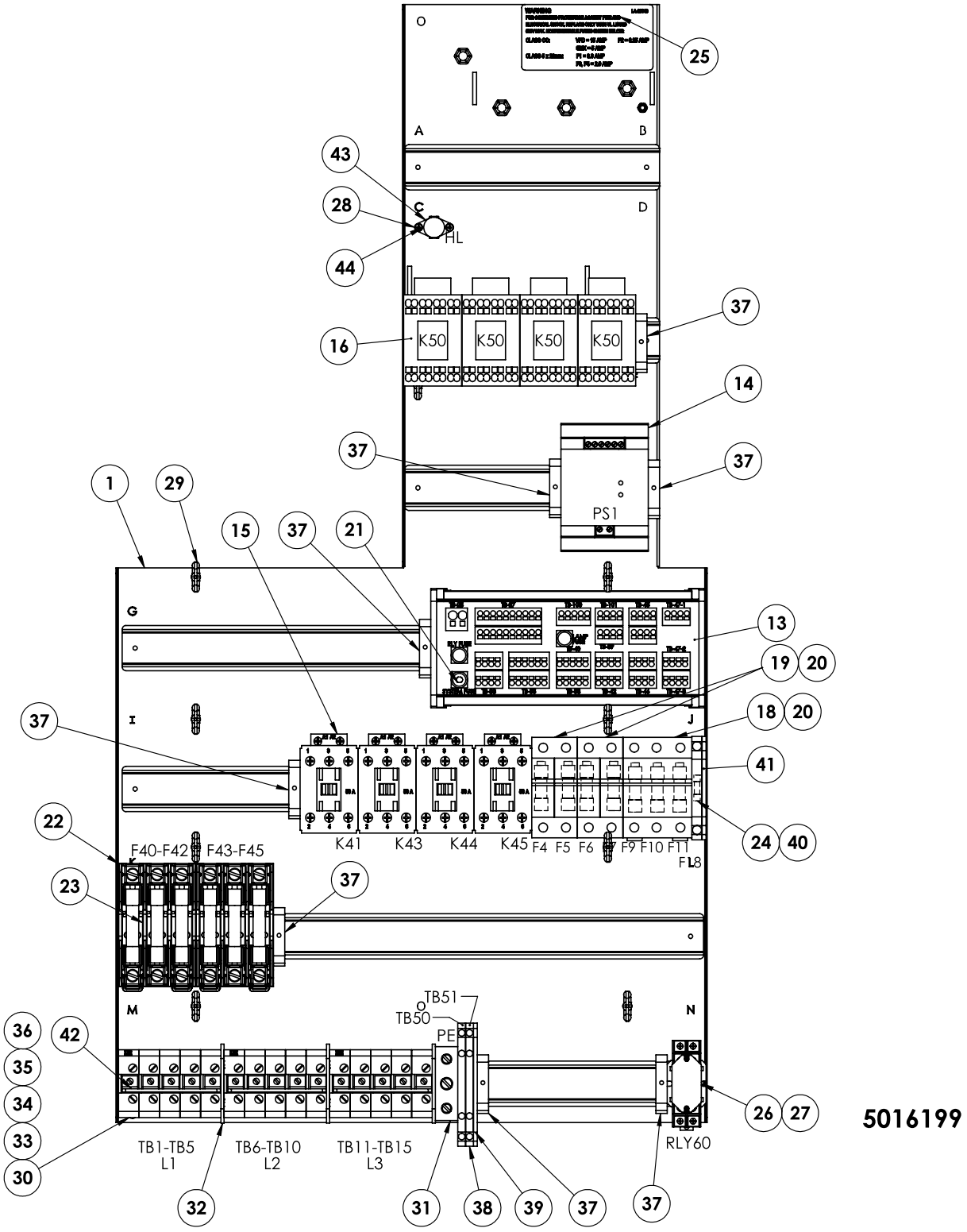
5016064

Item	Part	Description	Qty.
1	5015271	PANEL ASSY, ELECTRICAL CHASSIS	1
2	–	20-20E 440V WIRE ASSY	1
3	–	20-20EB 440V WIRE ASSY	1
4	–	WIRE ASSY, 20-10, 20-20	1
5	5015481	BRACKET ASSY,MOTOR DRIVE MOUNT	2
6	–	WIRE ASSY, 20-10, 20-20	1
7	–	WIRE ASSY, 20-10, 20-20	1
8	–	WIRE ASSY, 20-10, 20-20	1
9	–	WIRE ASSY, 20-10, 20-20	1
10	–	WIRE ASSY, 20-10, 20-20	1
11	–	WIRE ASSY, 20-10, 20-20	1
12	–	WIRE ASSY, 20-10, 20-20,	1
13	–	WIRE ASSY, 20-10, 20-20	1
14	–	WIRING ASSEMBLY	1
15	–	KIT, BROWNING VALVE MOTOR	1
16	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
17	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8 AMP	1
18	BA-35776	BOARD, VF MOTOR DRIVE,	2
19	CB-35777	CABLE, CAN-FAN, 4 POLE	2
20	CN-3654	CONTACTOR, 40 AMP	3
21	CN-3731	CONTACTOR, 50 AMP	4
22	–	ENVELOPE, PRESS ON	1
23	FI-33225	FILTER LINE 115/250V 50/60HZ	2
24	FU-33040	45 AMP, MP, CLASS G, 480V MED. TIME-LAG	6
25	FU-34770	FUSE HOLDER, 3 BANK	1
26	FU-34771	FUSE HOLDER, 2 BANK	2
27	FU-34772	FUSE, 15 AMP	7
28	FU-35304	5X20mm, SLOW BLO, 8 AMP, 250V	1
29	FU-35728	FUSE HOLDER, 60 AMP 480V CLASS G	4
30	FU-35734	FUSE, 60 AMP, SLC CLASS G	6

Item	Part	Description	Qty.
31	FU-36668	5X20mm, SLOW BLO, 5 AMP, 250V	1
32	–	LABEL, FUSE WARNING	1
33	RL-33930	RELAY, POWER, SPDT, 15 AMP, 12V.DC	1
34	RL-34634	UNIVERSAL MOUNTING SOCKET	3
35	RL-36100	RELAY, DPDT,12VDC	2
36	SC-22268	SCREW, M3x0.5X8mm PAN	2
37	SC-22273	SCREW, M4x0.7X10mm PAN	4
38	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	9
39	TM-3779	TERMINAL BLOCK	5
40	TM-3780	TERMINALS, SER., 35mm	15
41	TM-3782	TERMINAL, GROUND, 35mm	1
42	TM-3786	TERMINAL, 35mm WALL, PART	3
43	TM-3788	TERMINALS, MARK, L	3
44	TM-3790	TERMINALS, MARK, 1	1
45	TM-3791	TERMINALS, MARK, 2	1
46	TM-3792	TERMINALS, MARK, 3	1
47	TM-34305	TERMINAL, SCREWLESS END	8
48	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
49	TM-34309	TERMINAL, END SECTION, SPRING	1
50	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
51	TM-34315	TERMINAL, END PLATE	1
52	TM-34437	PARTITION WALL, 1 POLE	1
53	TM-34438	TERMINAL, SPRING CLAMP, 1 POLE	6
54	TM-34937	TERMINAL, 7-POLE GREEN, MSTB	2
55	TM-35982	TERMINAL, JUMPER BAR 5 POLE	3
56	TT-36119	THERMOSTAT, BI-METAL,100 DEG CLOSE	1
57	WS-22294	WASHER, FLAT M4 18-8 S/S	4
58	WS-22299	WASHER, M3 SPLIT LOCK	2
59	WS-22300	WASHER, M4 SPLIT LOCK	4

PARTS INFORMATION

CTC20-20E, 208V



CTC20-20E, 208V - CONTINUED

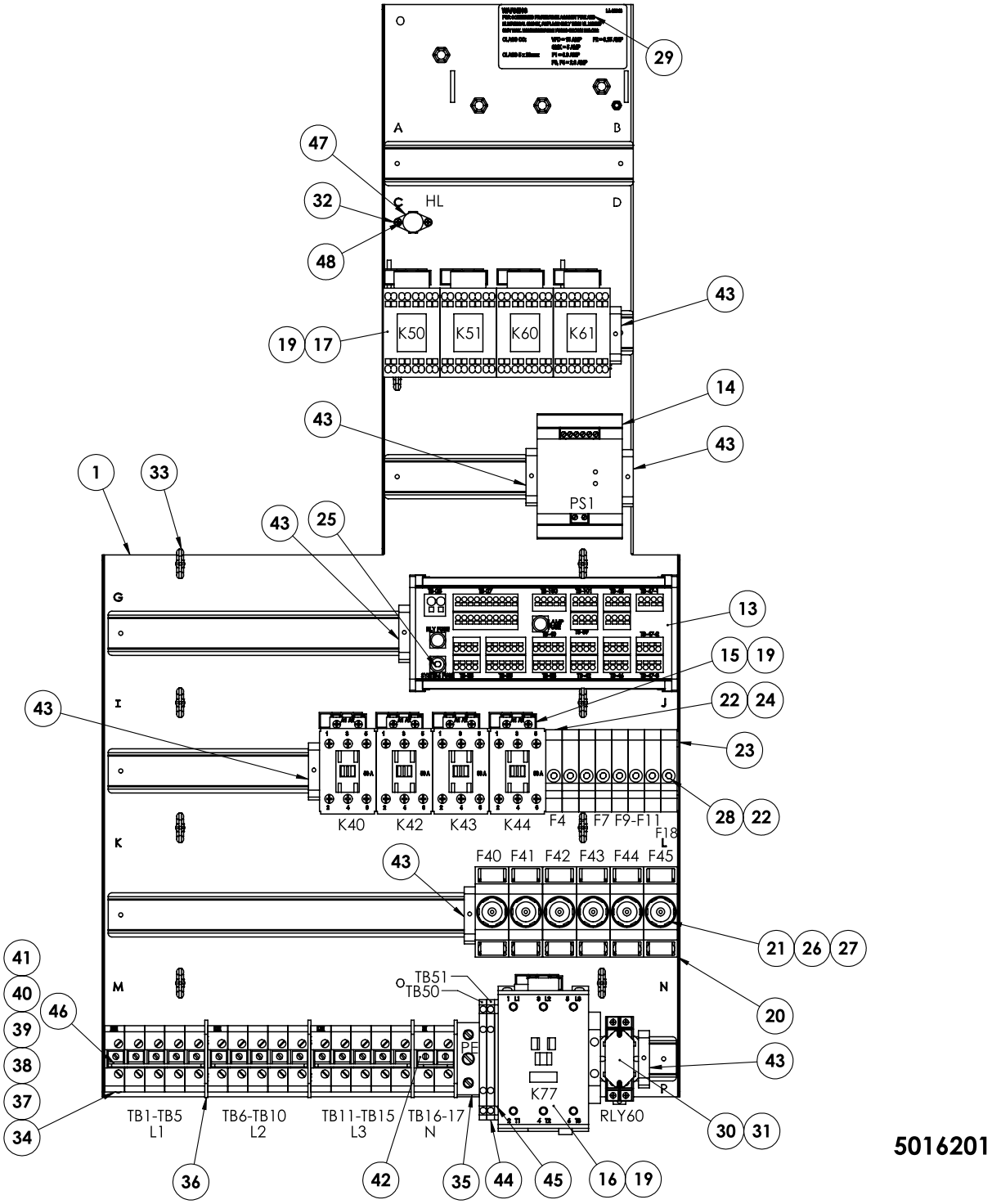
5016199

Item	Part	Description	Qty.
1	5015271	PANEL ASSY, ELECTRICAL CHASSIS	1
2	–	WIRE ASSY, 20-10, 20-20	1
3	–	WIRE ASSY, 20-10, 20-20	1
4	–	WIRE ASSY, 20-20E 208V 3PH	1
5	–	WIRE ASSY, 20-10, 20-20	1
6	–	WIRE ASSY, 20-10, 20-20	1
7	–	WIRE ASSY, 20-10, 20-20	1
8	–	WIRE ASSY, 20-10, 20-20	1
9	–	WIRE ASSY, 20-20E, ALL VOLTS	1
10	–	WIRE ASSEMBLY	1
11	–	WIRING ASSEMBLY	1
12	–	WIRE ASSEMBLY	1
13	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
14	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8A	1
15	CN-3731	CONTACTOR, 50 AMP	4
16	CN-34304	CONTACTOR, 240V, 25 AMP	4
17	–	ENVELOPE, PRESS ON	1
18	FU-34770	FUSE HOLDER, 3 BANK	1
19	FU-34771	FUSE HOLDER, 2 BANK	2
20	FU-34772	FUSE, 15 AMP	7
21	FU-35304	5X20mm, SLOW BLO, 8 AMP, 250V	1
22	FU-35728	FUSE HOLDER, 60 AMP 480V CLASS G	2

Item	Part	Description	Qty.
23	FU-35734	FUSE, 60 AMP, SLC CLASS G	6
24	FU-36668	5X20mm, SLOW BLO, 5 AMP, 250V	1
25	–	LABEL, FUSE WARNING	1
26	RL-33930	RELAY, POWER, SPDT, 15 AMP, 12V.DC	1
27	RL-34634	UNIVERSAL MOUNTING SOCKET	1
28	SC-22268	SCREW, M3x0.5X8mm PAN	2
29	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	9
30	TM-3780	TERMINALS, SER., 35mm	15
31	TM-3782	TERMINAL, GROUND, 35mm	1
32	TM-3786	TERMINAL, 35mm WALL, PART	3
33	TM-3788	TERMINALS, MARK, L	3
34	TM-3790	TERMINALS, MARK, 1	1
35	TM-3791	TERMINALS, MARK, 2	1
36	TM-3792	TERMINALS, MARK, 3	1
37	TM-34305	TERMINAL, SCREWLESS END	8
38	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
39	TM-34309	TERMINAL, END SECTION, SPRING	1
40	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
41	TM-34315	TERMINAL, END PLATE	1
42	TM-35982	TERMINAL, JUMPER BAR 5 POLE	3
43	TT-36119	THERMOSTAT, BI-METAL,100 DEG CLOSE	1
44	WS-22299	WASHER, M3 SPLIT LOCK	2

PARTS INFORMATION

CTC20-20E, 380V



5016201

CTC20-20E, 380V - CONTINUED

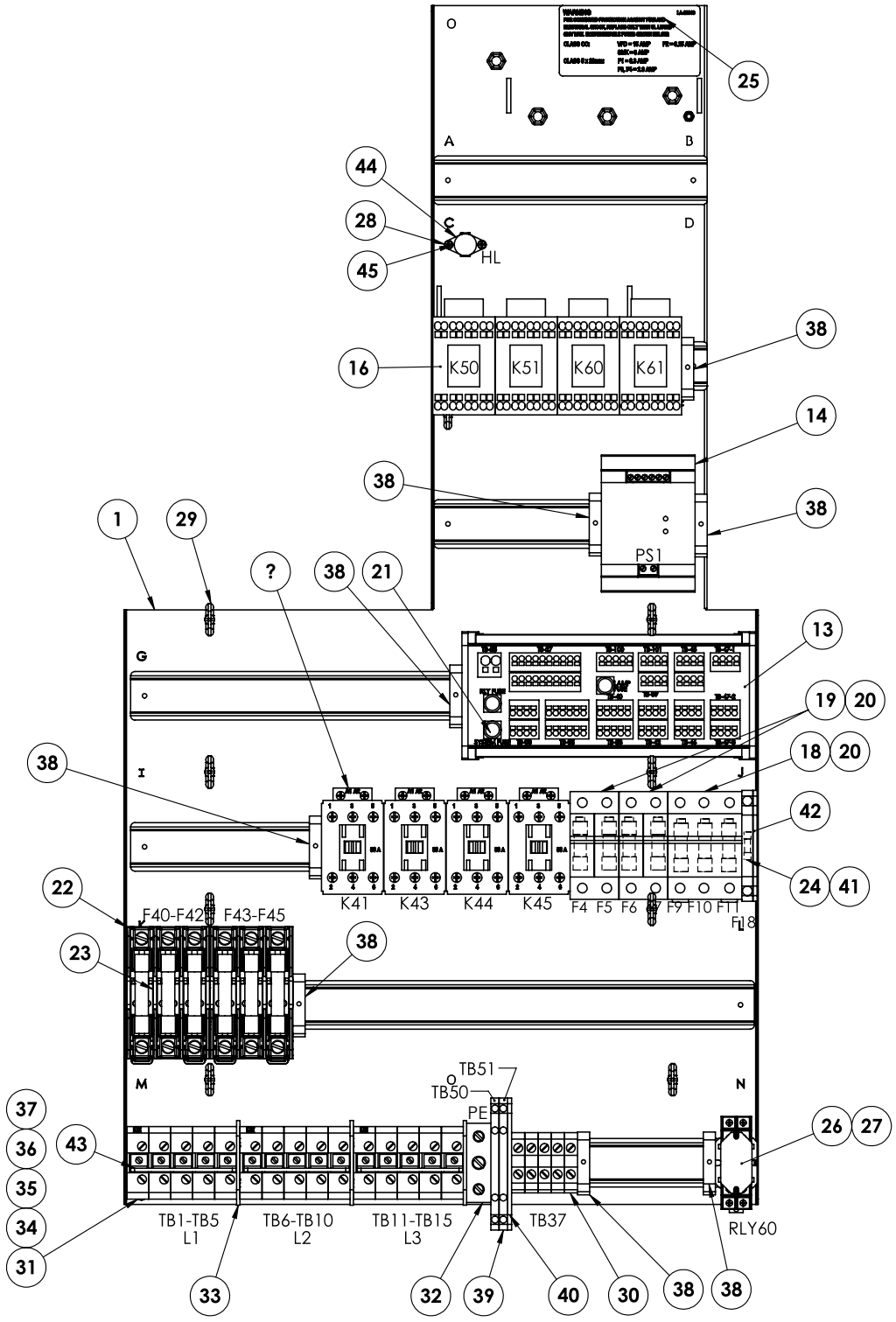
5016201

Item	Part	Description	Qty.
1	5015271	PANEL ASSY, ELECTRICAL CHASSIS	1
2	–	WIRE ASSY, 20-10, 20-20	1
3	–	WIRE ASSY, 20-10, 20-20	1
4	–	WIRE ASSY, 20-20E 380V 3PH	1
5	–	WIRE ASSY, 20-10, 20-20	1
6	–	WIRE ASSY, 20-10, 20-20	1
7	–	WIRE ASSY, 20-10, 20-20	1
8	–	WIRE ASSY, 20-10, 20-20	1
9	–	WIRE ASSY, 20-20E, ALL VOLT	1
10	–	WIRE ASSEMBLY	1
11	–	WIRING ASSEMBLY	1
12	–	WIRE ASSEMBLY	1
13	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
14	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8 AMP	1
15	CN-3731	CONTACTOR, 50 AMP	4
16	CN-34026	CONTACTOR, 3POLE, 100 AMP, 240V	1
17	CN-34304	CONTACTOR, 240V, 25 AMP	4
18	–	ENVELOPE, PRESS ON	1
19	FI-33990	EMI FILTER	9
20	FU-33444	FUSE, DO2 NEOZED BASE & COVER	6
21	FU-33445	FUSE, DO2 NEOZED SCREW CAP	6
22	FU-33451	FUSE, TERMINAL, 6.3 AMP	8
23	FU-34749	FUSE, HOLDER COVER	1
24	FU-34921	FUSE, NEOZED, 15 AMP	7

Item	Part	Description	Qty.
25	FU-35304	5X20mm, SLOW BLO, 8 AMP, 250V	1
26	FU-35497	FUSE, DO2 NEOZED GAUGE RING 50 AMP	6
27	FU-35850	FUSE, DO2 NEOZED 50 AMP, WHITE	6
28	FU-36668	5X20mm, SLOW BLO, 5 AMP, 250V	1
29	–	LABEL, FUSE WARNING	1
30	RL-33930	RELAY, POWER, SPDT, 15 AMP, 12V.DC	1
31	RL-34634	UNIVERSAL MOUNTING SOCKET	1
32	SC-22268	SCREW, M3x0.5X8mm PAN	2
33	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	9
34	TM-3780	TERMINALS, SER., 35mm	17
35	TM-3782	TERMINAL, GROUND, 35mm	1
36	TM-3786	TERMINAL, 35mm WALL, PART	4
37	TM-3788	TERMINALS, MARK, L	3
38	TM-3790	TERMINALS, MARK, 1	1
39	TM-3791	TERMINALS, MARK, 2	1
40	TM-3792	TERMINALS, MARK, 3	1
41	TM-33479	TERMINALS, MARK, N	1
42	TM-33837	JUMPER STRIP	1
43	TM-34305	TERMINAL, SCREWLESS END	7
44	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
45	TM-34309	TERMINAL, END SECTION, SPRING	1
46	TM-35982	TERMINAL, JUMPER BAR 5 POLE	3
47	TT-36119	THERMOSTAT, BI-METAL, 100 DEG CLOSE	1
48	WS-22299	WASHER, M3 SPLIT LOCK	2

PARTS INFORMATION

CTC20-20E, 440V



5016203

CTC20-20E, 440V - CONTINUED

5016203

Item	Part	Description	Qty.
1	5015271	PANEL ASSY, ELECTRICAL CHASSIS	1
2	–	WIRE ASSY, 20-10, 20-20	1
3	–	WIRE ASSY, 20-10, 20-20	1
4	–	WIRE ASSY, 20-20E 440V	1
5	–	WIRE ASSY, 20-10, 20-20	1
6	–	WIRE ASSY, 20-10, 20-20	1
7	–	WIRE ASSY, 20-10, 20-20	1
8	–	WIRE ASSY, 20-10, 20-20	1
9	–	WIRE ASSY, 20-10, 20-20	1
10	–	WIRE ASSY, 20-20E, ALL VOLT	1
11	–	WIRING ASSEMBLY	1
12	–	WIRE ASSEMBLY	1
13	BA-35217	BOARD ASSY, MODULAR TERMINAL	1
14	BA-35693	BOARD, POWER SUPPLY 10-15VDC 8 AMP	1
15	CN-3731	CONTACTOR, 50 AMP	4
16	CN-34304	CONTACTOR, 240V, 25 AMP	4
17	–	ENVELOPE, PRESS ON	1
18	FU-34770	FUSE HOLDER, 3 BANK	1
19	FU-34771	FUSE HOLDER, 2 BANK	2
20	FU-34772	FUSE, 15 AMP	7
21	FU-35304	5X20mm, SLOW BLO, 8 AMP, 250V	1
22	FU-35728	FUSE HOLDER, 60 AMP 480V CLASS G	2
23	FU-35734	FUSE, 60 AMP, SLC CLASS G	6

Item	Part	Description	Qty.
24	FU-36668	5X20mm, SLOW BLO, 5 AMP, 250V	1
25	–	LABEL, FUSE WARNING	1
26	RL-33930	RELAY, POWER, SPDT, 15 AMP, 12V.DC	1
27	RL-34634	UNIVERSAL MOUNTING SOCKET	1
28	SC-22268	SCREW, M3x0.5X8mm PAN	2
29	TI-35719	TIE, TWIST LOCK 0.5" STANDOFF	9
30	TM-3779	TERMINAL BLOCK	5
31	TM-3780	TERMINALS, SER., 35mm	15
32	TM-3782	TERMINAL, GROUND, 35mm	1
33	TM-3786	TERMINAL, 35mm WALL, PART	3
34	TM-3788	TERMINALS, MARK, L	3
35	TM-3790	TERMINALS, MARK, 1	1
36	TM-3791	TERMINALS, MARK, 2	1
37	TM-3792	TERMINALS, MARK, 3	1
38	TM-34305	TERMINAL, SCREWLESS END	8
39	TM-34306	TERMINAL, GROUND, 6mm, SPRING	2
40	TM-34309	TERMINAL, END SECTION, SPRING	1
41	TM-34311	TERMINAL, FUSE HOLDER, 8mm	1
42	TM-34315	TERMINAL, END PLATE	1
43	TM-35982	TERMINAL, JUMPER BAR 5 POLE	3
44	TT-36119	THERMOSTAT, BI-METAL,100 DEG CLOSE	1
45	WS-22299	WASHER, M3 SPLIT LOCK	2

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REV	ECO	DESCRIPTION	DATE	APP

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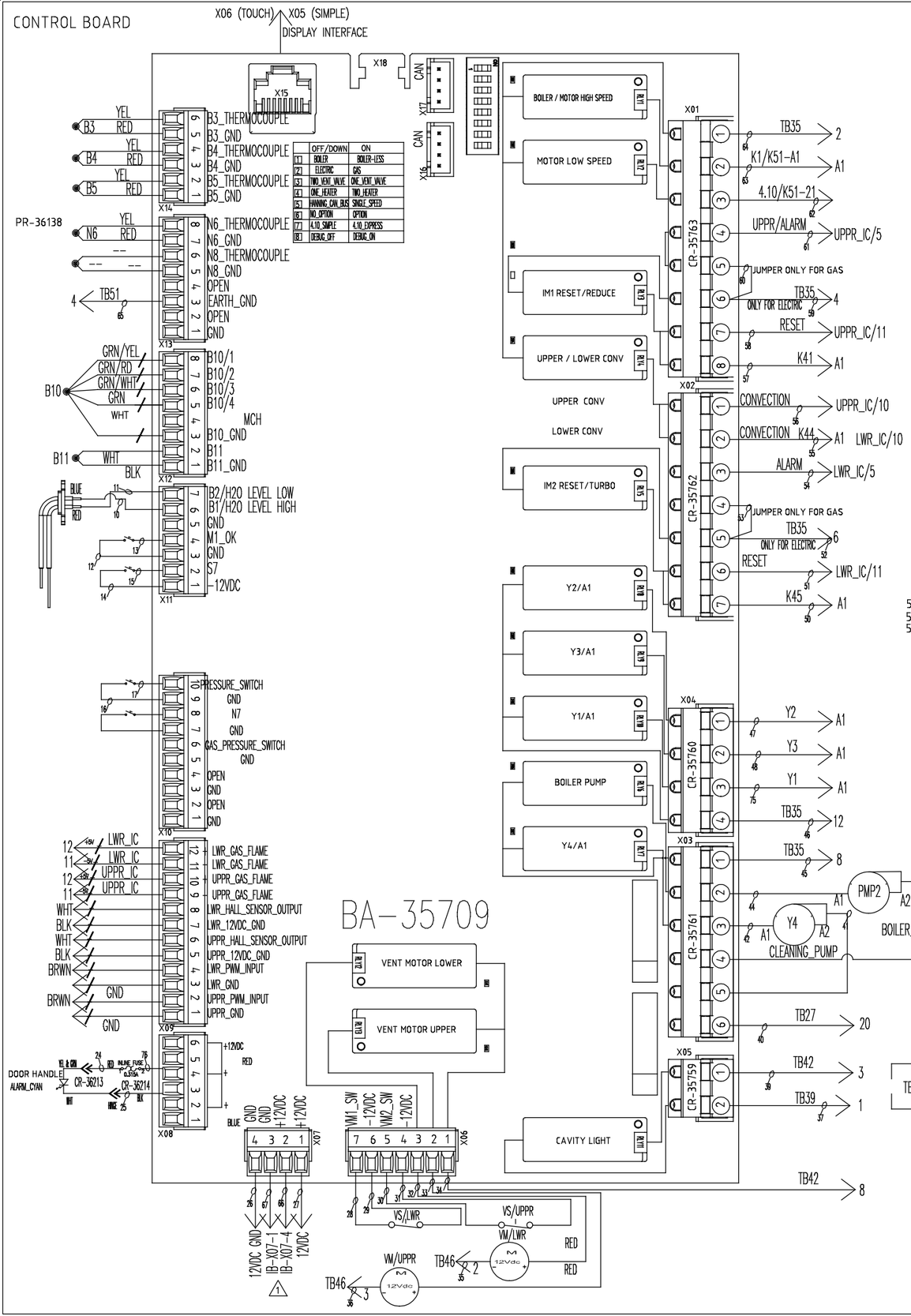
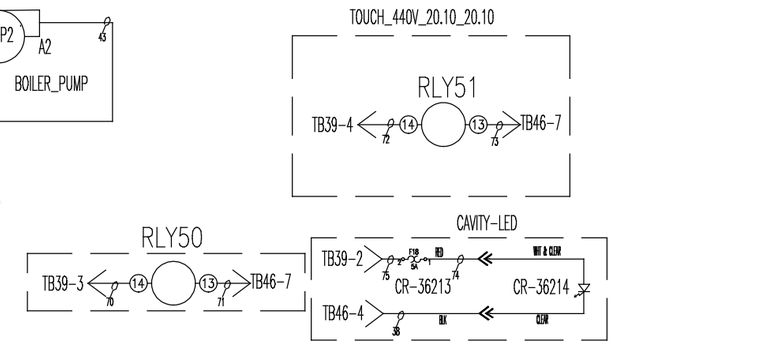
BY: MVO	DWG: 77529	SHEET 0	
DATE: 06/18/12			





5015381 6-10, 10-10,7-20 (EB); ALL VOLTAGE; SIMPLE&TOUCH
5016398 10-20 (EB); ALL VOLTAGE; SIMPLE&TOUCH
5016399 20-10/20-20 (EB); ALL VOLTAGE; SIMPLE&TOUCH

5015381-4W

#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
11	WI-33478	CR-34783	CB-X11	7	B2	BOILER	CR-34783
10	WI-33777	CR-34783	CB-X11	6	B1	BOILER	CR-34783
43	WI-33777	CR-34783	CB-X03	4	PMP2	A2	CR-33509
44	WI-33478	CR-34783	CB-X03	2	PMP2	A1	CR-33509
63	WI-33478	CR-34783	CB-X01	2	K1	A1	CR-3593

5015380 6-10,10-10,7-20,10-20 (GI); ALL VOLTAGE; SIMPLE&TOUCH
5016401 20-10/20-20 (GI); ALL VOLTAGE; SIMPLE&TOUCH

5015380-4W

#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
53	WI-33478	CR-34783	CB-X02	4	CB-X02	5	CR-34783
66	WI-33478	CR-34783	CB-X07	2	IB-X07	1	CR-34783
67	WI-33777	CR-34783	CB-X07	3	IB-X07	3	CR-34783

5015379 6-10,10-10,7-20 (EB,EI,GI); ALL VOLTAGE; SIMPLE ONLY
5016402 10-20 (EB, EI, GI); ALL VOLTAGE; SIMPLE ONLY
5016403 20-10/20-20 (EB, EI, GI); ALL VOLTAGE; SIMPLE ONLY

5015379-4W

#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
62	WI-33478	CR-34783	CB-X01	2	K51	A1	CR-34783
65	WI-33478	CR-34783	CB-X01	3	K51	21	CR-34783
12	WI-33478	CR-34783	CB-X11	3	MOTOR	HL	CR-33509
13	WI-33478	CR-34783	CB-X11	4	MOTOR	HL	CR-33509

5015357 6-10,10-10,7-20 (EB,EI); ALL VOLTAGE; TOUCH
5016404 10-20 (EB,EI); ALL VOLTAGE; TOUCH
5016405 20-10/20-20 (EB,EI); ALL VOLTAGE; TOUCH

5016450 6-10,10-10,7-20 (EB,EI); ALL VOLTAGE; SIMPLE
5016451 10-20,20-10 (EB,EI); ALL VOLTAGE; SIMPLE
5016452 20-20 (EB,EI); ALL VOLTAGE; SIMPLE

5015357-3W

#	WI-STOCK	T-CONN.	FROM	T-LOC	TO	T-LOC	L-CONN.
52	WI-33478	CR-34783	CB-X02	5	TB35	6	CR-34783
55	WI-33478	CR-34783	CB-X02	2	K44	A1	CR-3593
59	WI-33478	CR-34783	CB-X01	6	TB35	4	CR-34783
57	WI-33478	CR-34783	CB-X01	8	K41	A1	CR-3593
66	WI-33478	CR-34783	CB-X07	2	IB-X07	1	CR-34783
67	WI-33777	CR-34783	CB-X07	3	IB-X07	4	CR-34783

5015382 6-10,10-10, 7-20; (EB,EI, GI); ALLVOLTAGE; SIMPLE&TOUCH
5016283 10-20; (EB,EI,GI); ALL VOLTAGE; SIMPLE&TOUCH
5016284 20-10/20-20; (EB,EI,GI); ALL VOLTAGE; SIMPLE&TOUCH

5015382-4W

#	WI-STOCK	T-CONN.	FROM	T-LOC	TO	T-LOC	L-CONN.
14	WI-33478	CR-34783	CB-X11	1	S7-DOOR	SW	CR-34639
15	WI-33478	CR-34783	CB-X11	2	S7-DOOR	SW	CR-34639
16	WI-33777	CR-34783	CB-X10	9	H2O-PSW	SW	CR-33509
17	WI-33777	CR-34783	CB-X10	10	H2O-PSW-GND	SW	CR-33509
76	NONE	CR-34783	CBX08	4	IN-LINE-FUSE	2	NONE
24	WI-36210	CR-33509	IN-LINE-FUSE	1	HINGE-RED	+12VDC	CR-36215
25	WI-36211	CR-34783	CB-X08	3	HINGE-BLK	12VDC_GND	CR-36215
26	WI-33777	CR-34783	CB-X07	4	PS1	12VDC_GND	CR-34783
27	WI-33478	CR-34783	CB-X07	1	PS1	+12VDC	CR-34783
34	WI-33478	CR-34783	CB-X06	1	TB42	8	CR-34783
38	WI-36211	CR-34783	TB46	4	CAVITY-LED-BLK	12VDC_GND	CR-36216
39	WI-33478	CR-34783	TB42	3	CB-X05	1	CR-34783
40	WI-33777	CR-34783	CB-X03	6	TB27	20	CR-34783
41	WI-33777	CR-34783	CB-X03	5	Y4	A2	CR-33509
42	WI-33478	CR-34783	CB-X03	3	Y4	A1	CR-33509
45	WI-33478	CR-34783	CB-X03	1	TB35	8	CR-34783
46	WI-33478	CR-34783	CB-X04	4	TB35	12	CR-34783
64	WI-33478	CR-34783	CB-X01	1	TB35	2	CR-34783
65	WI-33776	CR-34783	CB-X13	3	TB51	4	CR-34783

5016629 6-10,10-10,7-20,10-20; (EB,EI, GI); 120V-380V; TOUCH
5016630 20-10/20-20; (EB,EI,GI); 120V-380V VOLTAGE; TOUCH
5016640 6-10,10-10,7-20,10-20; (EB,EI, GI); 440V; TOUCH
5016641 20-10/20-20; (EB,EI,GI); 440V ; TOUCH

5016629-4W

#	WI-STOCK	T-CONN.	FROM	T-LOC	TO	T-LOC	L-CONN.
69	WI-33478	CR-34783	CB-X05	2	TB39	1	CR-34783
70	WI-33478	CR-3593	RLY50	14	TB39	3	CR-34783
71	WI-33777	CR-3593	RLY50	13	TB46	7	CR-34783
74	WI-36210	CR-34783	F18	1	CAVITY-LED-WHT-GLEAR	12VDC	CR-36216
75	WI-33878	CR-34783	TB39	2	F18	2	CR-34783

5016783 6-10,10-10,7-20, 10-20; (EB,EI, GI); ALL VOLTAGE; SIMPLE
5016784 20-10/20-20; (EB,EI,GI); ALL VOLTAGE; SIMPLE

5016783-3W

#	WI-STOCK	T-CONN.	FROM	T-LOC	TO	T-LOC	L-CONN.
74	WI-36210	CR-34783	TB39	2	CAVITY-LED-HINGE-CLEAR	12VDC	CR-36216
37	WI-33478	CR-34783	CB-X05	2	TB39	1	CR-34783

5016795 6-10,10-10, 7-20; (EB,EI, GI); ALLVOLTAGE; SIMPLE&TOUCH
5016796 10-20; (EB,EI,GI); ALL VOLTAGE; SIMPLE&TOUCH
5016811 20-10/20-20; (EB,EI,GI); ALL VOLTAGE; SIMPLE&TOUCH

5016795-4W

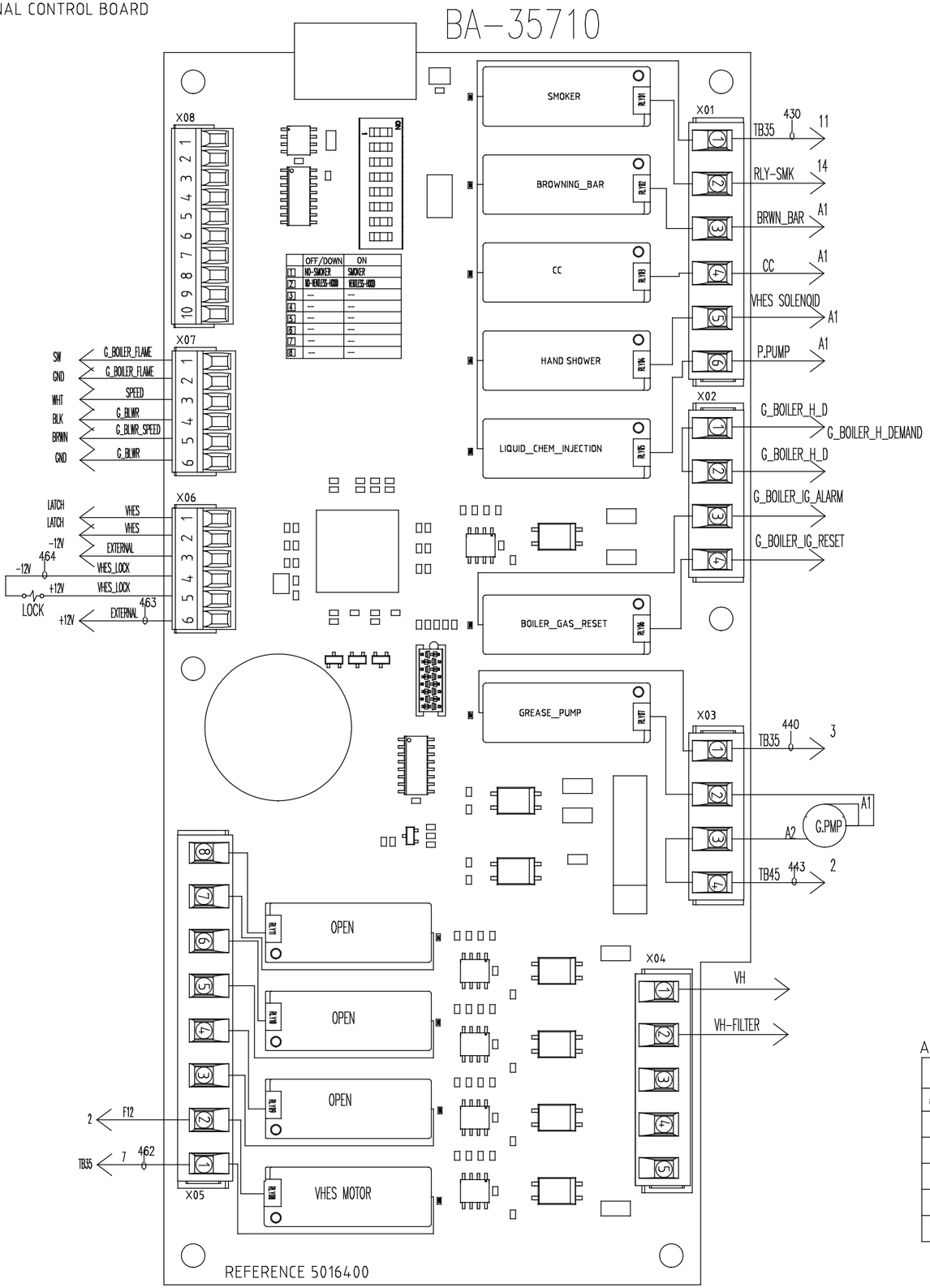
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
28	WI-33477	CR-34783	CB-X06	7	VM-LWR	SW	CR-35783
29	WI-33477	CR-34783	CB-X06	6	VM-LWR	SW	CR-35783
30	WI-33477	CR-34783	CB-X06	5	VM-UPPR	SW	CR-35783
31	WI-33477	CR-34783	CB-X06	4	VM-UPPR	SW	CR-35783
32	WI-33478	CR-34783	CB-X06	3	VM-LWR	LWR	CR-35783
33	WI-33478	CR-34783	CB-X06	2	VM-UPPR	UPPR	CR-35783
35	WI-33777	CR-35783	VM-LWR	12VDC_GND	TB46	2	CR-34783
36	WI-33777	CR-35783	VM-UPPR	12VDC_GND	TB46	3	CR-34783

REV	ECO	DESCRIPTION	DATE	APP
5	6954	Turbo Optional	4/19/14	MVO
4		Appliding K77	11/24/13	MVO

ALTO-SHAAM — WIRING DIAGRAM — CONTROL BOARD

BY:	MVO	DWG:	77529	SHEET
DATE:	06/18/12			1 OF 42

OPTIONAL CONTROL BOARD



ALL MODELS, ALL VOLTAGE, OPTION BOARD

5016400-3W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
424	WI-33777	CR-34783	TB27	9	TB45	1	CR-34783
430	WI-33478	CR-34783	TB35	11	OB-X01	1	CR-34783
440	WI-33478	CR-34783	TB35	3	OB-X03	1	CR-34783
443	WI-33777	CR-34783	TB45	2	OB-X03	4	CR-34783
462	WI-33478	CR-34783	TB35	7	OB-X05	1	CR-34783

REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM

WIRING DIAGRAM

OPTIONAL CONTROL BOARD

BY: AFT

DATE: 04/12/12

DWG: 77529

SHEET 2 OF 42

440V CONVERSION, COOLING FAN, POWER SUPPLY, & WATER SOLENOID VALVES

5015358 6-10,10-10,7-20,10-20; 440V ; SIMPLE & TOUCH

5015358-4W

#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
39	WI-3815	CR-34782	TB2	1	F5	2	CR-34782
111	WI-33777	CR-34783	F6	1	TB40	2	CR-34783
112	WI-33777	CR-34783	TB40	4	TB -25	L2/N	CR-34783

5016749 6-10,10-10,7-20,10-20; 120V, 208V; SIMPLE&TOUCH
5016750 6-10,10-10,7-20,10-20; 380V; SIMPLE&TOUCH

5016749-5W

#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
107	WI-3815	CR-34782	TB7	1	FI-1	LINE-3	CR-3068
108	WI-3815	CR-34782	F5	1	TB25	L-N	CR-34782
112	WI-3815	CR-3068	FI-1	LOAD-4	F5	2	CR-34782

5016379 6-10,10-10,7-20,10-20; ALL VOLTAGE; SIMPLE&TOUCH

5016379-5W

#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
21	WI-33478	CR-34783	TB33	1	LS1	1	CR-33509
22	WI-33478	CR-34783	TB38	1	LS1	2	CR-33509
23	WI-33478	CR-34783	TB38	2	FAN1	A1	CR-3584
24	WI-33478	CR-34783	TB38	3	FAN2	A1	CR-3584
25	WI-33478	CR-34783	TB38	4	FAN3	A1	CR-3584
26	WI-33777	CR-34783	TB27	12	FAN1	A2	CR-3584
27	WI-33777	CR-34783	TB27	14	FAN2	A2	CR-3584
28	WI-33777	CR-34783	TB27	16	FAN3	A2	CR-3584
109	WI-3815	CR-3068	FI-1	LOAD-2	TB25	L	CR-34782
110	WI-33478	CR-34783	TB33	7	TB35	1	CR-34783
111	WI-3815	CR-3068	FI-1	LINE-1	TB2	1	CR-34782

5016435 6-10,10-10,7-20,10-20; ALL VOLTAGE; SIMPLE&TOUCH

5016435-4W

#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
29	WI-33478	CR-34783	TB33	3	PS1	L	CR-34783
30	WI-33777	CR-34783	TB27	1	PS1	N	CR-34783
31	WI-33478	CR-34783	PS1	+12VDC	TB42	1	CR-34783
32	WI-33777	CR-34783	PS1	12VDC(GND)	TB46	1	CR-34783

5016436 6-10,10-10,7-20,10-20; ALL VOLTAGE; SIMPLE&TOUCH

5016436-4W

#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
34	WI-33777	CR-34783	TB27	17	Y2	A2	CR-34774
36	WI-33777	CR-34774	Y3	A2	Y1	A2	CR-33509
35	WI-33777	CR-33509	Y3	A2	Y2	A2	CR-33509
75	WI-33478	CR-33509	Y1	A1	CB-X04	3	CR-34783
47	WI-33478	CR-33509	Y2	A1	CB-X04	1	CR-34783
48	WI-33478	CR-33509	Y3	A1	CB-X04	2	CR-34783

5016753 ALL MODEL; ALL VOLTAGE; SIMPLE&TOUCH HAND SHOWER

5016753-3W

#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
76	WI-33478	CR-34783	TB35	9	Y5	A1	CR-33509
77	WI-33777	CR-3593	RLY60	12	Y5	A2	CR-33509
78	WI-33777	CR-3593	RLY60	8	TB27	15	CR-34783
79	WI-33478	CR-34783	TB42	7	RLY60	14	CR-3593
80	WI-33777	CR-3593	RLY60	13	HANDSHOWER R-SW	1	CR-33509
81	WI-33777	CR-34783	TB46	6	HANDSHOWER R-SW	2	CR-34639

5016406 20-10/20-20; 440V; SIMPLE&TOUCH

5016406-3W

#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
39	WI-3815	CR-34782	TB2	1	F5	2	CR-34782
111	WI-33777	CR-34783	F6	1	TB40	2	CR-34783
112	WI-33777	CR-34783	TB40	4	TB -25	L2/N	CR-34783

5016751 20-10/20-20; 120V,208V; SIMPLE&TOUCH
5016752 20-10/20-20; 380V; SIMPLE&TOUCH

5016751-4W

#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
107	WI-3815	CR-34782	TB7	1	FI-1	LINE-3	CR-3068
108	WI-3815	CR-34782	F5	1	TB25	L-N	CR-34782
112	WI-3815	CR-3068	FI-1	LOAD-4	F5	2	CR-34782

5016407 20-10/20-20; ALL VOLTAGE; SIMPLE&TOUCH

5016407-5W

#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
21	WI-33478	CR-34783	TB33	1	LS1	1	CR-33509
22	WI-33478	CR-34783	TB38	1	LS1	2	CR-33509
23	WI-33478	CR-34783	TB38	2	FAN1	A1	CR-3584
24	WI-33478	CR-34783	TB38	3	FAN2	A1	CR-3584
25	WI-33478	CR-34783	TB38	4	FAN3	A1	CR-3584
26	WI-33777	CR-34783	TB27	12	FAN1	A2	CR-3584
27	WI-33777	CR-34783	TB27	14	FAN2	A2	CR-3584
28	WI-33777	CR-34783	TB27	16	FAN3	A2	CR-3584
109	WI-3815	CR-3068	FI-1	LOAD-2	TB25	L	CR-34782
110	WI-33478	CR-34783	TB33	7	TB35	1	CR-34783
111	WI-3815	CR-3068	FI-1	LINE-1	TB2	1	CR-34782

5016408 20-10/20-20; ALL VOLTAGE; SIMPLE&TOUCH

5016408-4W

#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
29	WI-33478	CR-34783	TB33	3	PS1	L	CR-34783
30	WI-33777	CR-34783	TB27	1	PS1	N	CR-34783
31	WI-33478	CR-34783	PS1	+12VDC	TB42	1	CR-34783
32	WI-33777	CR-34783	PS1	12VDC(GND)	TB46	1	CR-34783

5016409 20-10/20-20; ALL VOLTAGE; SIMPLE&TOUCH

5016409-4W

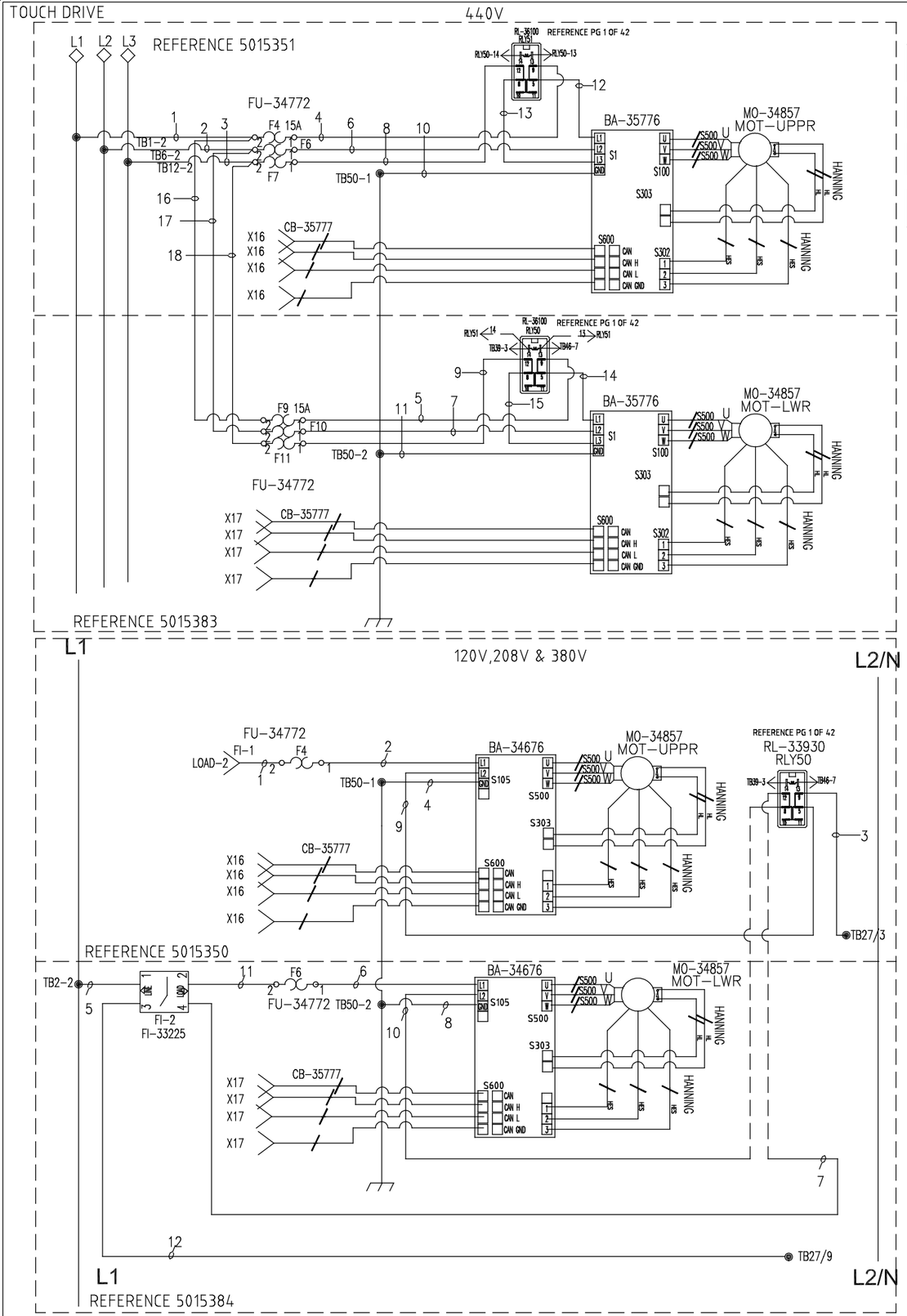
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
34	WI-33777	CR-34783	TB27	17	Y2	A2	CR-34774
36	WI-33777	CR-34774	Y3	A2	Y2	A2	CR-33509
35	WI-33777	CR-33509	Y3	A2	Y1	A2	CR-34774
38	WI-33777	CR-33509	Y1B	A2	Y1	A2	CR-33509
75	WI-33478	CR-33509	Y1	A1	CB-X04	3	CR-34783
39	WI-33478	CR-34774	Y1	A1	Y1B	A1	CR-33509
47	WI-33478	CR-33509	Y3	A1	CB-X04	1	CR-34783
48	WI-33478	CR-33509	Y2	A1	CB-X04	2	CR-34783

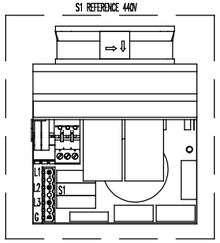
REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM — WIRING DIAGRAM — COOLING FANS & WATER SOLENOID

BY: AFT | DWG: 77529 | SHEET 3 OF 42

DATE: 04/12/12





5015383 20-10, & 20-20 (EB,EI); 440V; TOUCH

5015383-4W							
#	WI-STOCK	T-CONN.	FROM	T-LOC	TO	T-LOC	L-CONN.
1	WI-3815	CR-34782	TB1	2	F4	2.000000	CR-34782
2	WI-3815	CR-34782	TB6	2	F6	2.000000	CR-34782
3	WI-3815	CR-34782	TB12	2	F7	2.000000	CR-34782
4	WI-33478	CR-34783	F4	1	RLY50	9.000000	CR-3593
5	WI-33478	CR-34783	F9	1	RLY51	9.000000	CR-3593
6	WI-33777	CR-34783	F6	1	S1	L2-UPPR	CR-34783
7	WI-33777	CR-34783	F10	1	S1	LWR	CR-34783
8	WI-33478	CR-34783	F7	1	RLY50	12.000000	CR-3593
9	WI-33478	CR-34783	F11	1	RLY51	12.000000	CR-34783
10	WI-33776	CR-34783	TB50	1	S1	G-UPPR	CR-34783
11	WI-33776	CR-34783	TB50	2	S1	G-LWR	CR-34783
12	WI-33478	CR-3593	RLY51	5	S1	L1-LWR	CR-34783
13	WI-33478	CR-3593	RLY51	8	S1	L3-LWR	CR-34783
14	WI-33478	CR-3593	RLY50	5	S1	L1-UPPR	CR-34783
15	WI-33478	CR-3593	RLY50	8	S1	L3-UPPR	CR-34783
16	WI-3815	CR-34782	F9	2	F4	2.000000	CR-34782
17	WI-3815	CR-34782	F10	2	F6	2.000000	CR-34782
18	WI-3815	CR-34782	F11	2	F7	2.000000	CR-34782

5015351 6-10,10-10,7-20,10-20 (EB,EI) 440V; TOUCH

5015351-3W							
#	WI-STOCK	T-CONN.	FROM	T-LOC	TO	T-LOC	L-CONN.
1	WI-3815	CR-34782	TB1	2	F4	2	CR-34782
2	WI-3815	CR-34782	TB6	2	F6	2	CR-34782
3	WI-3815	CR-34782	TB12	2	F7	2	CR-34782
4	WI-33478	CR-34783	F4	1	RLY50	9	CR-3593
6	WI-33777	CR-34783	F6	1	S1	L2-UPPR	CR-34783
8	WI-33478	CR-34783	F7	1	RLY50	12	CR-3593
10	WI-33776	CR-34783	TB50	1	S1	G-UPPR	CR-34783
12	WI-33478	CR-3593	RLY50	5	S1	L1-UPPR	CR-34783
13	WI-33478	CR-3593	RLY50	8	S1	L3-UPPR	CR-34783

5015384 20-10 & 20-20 (EB,EI,GI); 120V, 208V, 380V; TOUCH

5015384-5W							
#	WI-STOCK	T-CONN.	FROM	T-LOC	TO	T-LOC	L-CONN.
1	WI-33478	CR-34774	F4	2	FI-1	LOAD-2	CR-34782
2	WI-33478	CR-34783	F4	1	S105	L-UPPR	CR-34783
3	WI-33777	CR-34783	TB27	3	RLY50	9	CR-3593
4	WI-33776	CR-34783	TB50	1	S105	G-UPPR	CR-34783
5	WI-3815	CR-3068	FI-2	LINE-1	TB2	2	CR-34782
6	WI-33478	CR-34783	F6	1	S105	L-LWR	CR-34783
7	WI-33777	CR-34783	RLY50	12	FI-2	LOAD-2	CR-3068
8	WI-33776	CR-34783	TB50	2	S105	G-LWR	CR-34783
9	WI-33777	CR-3593	RLY50	5	S105	N-UPPR	CR-34783
10	WI-33777	CR-3593	RLY50	8	S105	N-LWR	CR-34783
11	WI-3815	CR-34782	F6	2	FI-2	LOAD-2	CR-3068
12	WI-33777	CR-33509	FI-2	LINE-3	TB27	9	CR-34783

5015350 6-10,10-10,7-20,10-20 (EB,EI,GI); 120V, 208V, 380V; TOUCH

5015350-5W							
#	WI-STOCK	T-CONN.	FROM	T-LOC	TO	T-LOC	L-CONN.
1	WI-33478	CR-34783	F4	2	FI-1	LOAD-2	CR-34774
2	WI-33478	CR-34783	F4	1	S105	L-UPPR	CR-34783
3	WI-33777	CR-34783	TB27	3	RLY50	9	CR-3593
4	WI-33776	CR-34783	TB50	1	S105	G-UPPR	CR-34783
9	WI-33777	CR-3593	RLY50	5	S105	N-UPPR	CR-34783

REFERENCE:

- CABLE W/ MULTI-COLOR WIRE
- WIRE NUMBER DESIGNATE
- FROM / TO DESTINATION
- MULTI-POINT TERMINAL

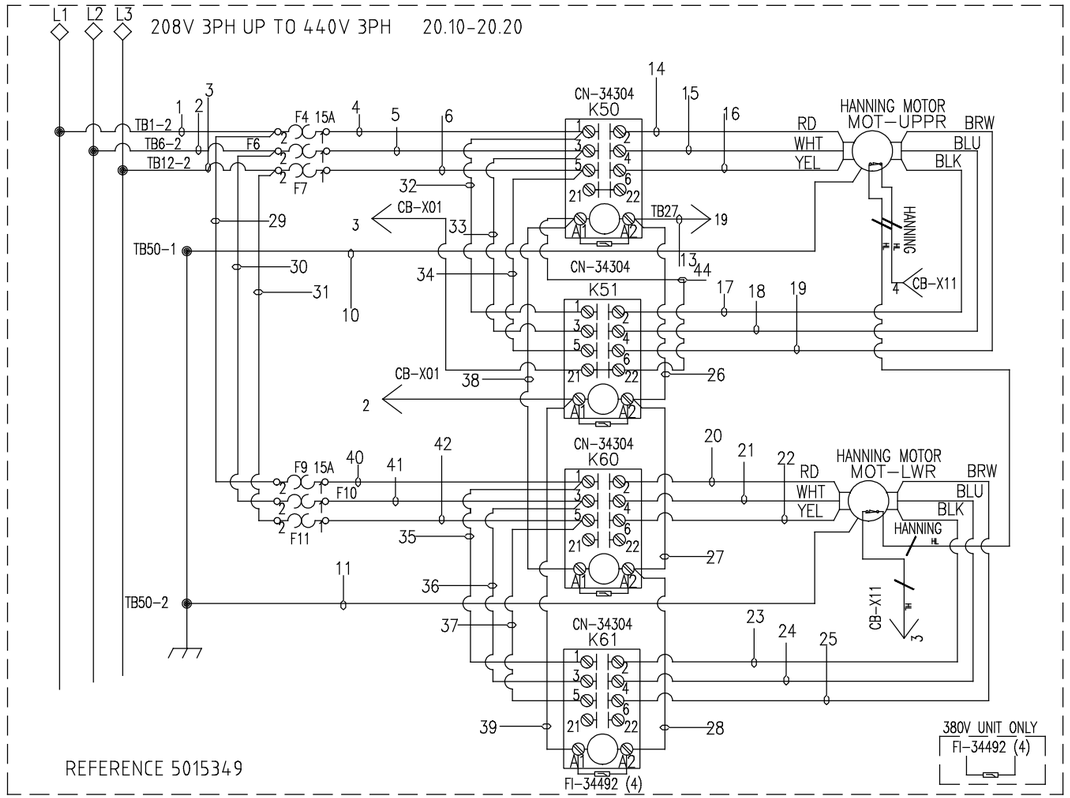
REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM — WIRING DIAGRAM — 6.1S UP-TO 20.20 1/3PH TOUCH MOTOR

BY: AFT | DWG: 77529 | SHEET 4 OF 42

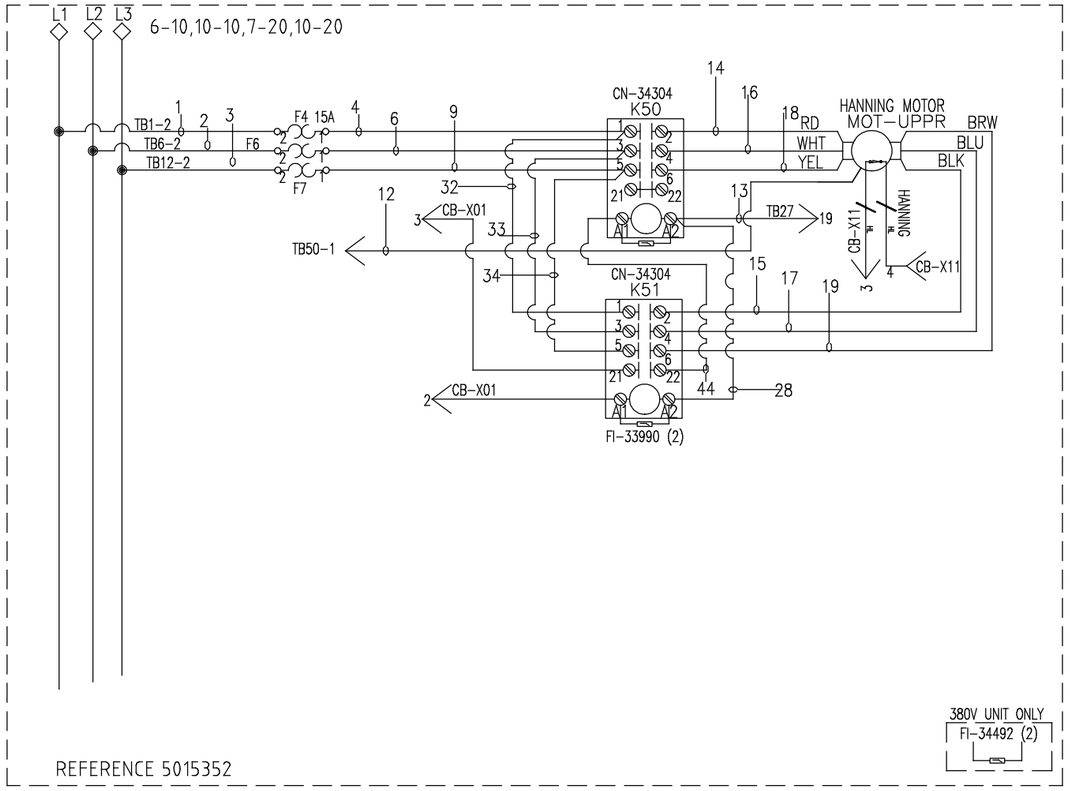
DATE: 04/12/12

SIMPLE MOTOR CONTACTOR



5015349 20-10,20-20 (ES,ESI,ESG); 208,380,440V 3PH; SIMPLE

5015349-3W							
#	WI-STOCK	T-CONN.	FROM	T-LOC	TO	T-LOC	L-CONN.
1	WI-3815	CR-34782	TB1	2	F4	2	CR-34782
2	WI-3815	CR-34782	TB6	2	F6	2	CR-34782
3	WI-3815	CR-34782	TB12	2	F7	2	CR-34782
4	WI-33478	CR-34783	F4	1	K50	1	CR-34783
5	WI-33478	CR-34783	F6	1	K50	3	CR-34783
6	WI-33478	CR-34783	F7	1	K50	5	CR-34783
10	WI-33776	CR-34783	TB50	1	MOTOR	GND	CR-34783
11	WI-33776	CR-34783	TB50	2	MOTOR	GND	CR-34783
13	WI-33777	CR-34783	K50	A2	TB27	19	CR-34783
14	WI-33478	CR-34783	K50	2	MOTOR-UPPR	CON	CR-34783
15	WI-33478	CR-34783	K50	4	MOTOR-UPPR	CON	CR-34783
16	WI-33478	CR-34783	K50	6	MOTOR-UPPR	CON	CR-34783
17	WI-33478	CR-34783	K51	2	MOTOR-UPPR	CON	CR-34783
18	WI-33478	CR-34783	K51	4	MOTOR-UPPR	CON	CR-34783
19	WI-33478	CR-34783	K51	6	MOTOR-UPPR	CON	CR-34783
20	WI-33478	CR-34783	K60	2	MOTOR-LWR	CON	CR-34783
21	WI-33478	CR-34783	K60	6	MOTOR-LWR	CON	CR-34783
22	WI-33478	CR-34783	K60	4	MOTOR-LWR	CON	CR-34783
23	WI-33478	CR-34783	K61	2	MOTOR-LWR	CON	CR-34783
24	WI-33478	CR-34783	K61	6	MOTOR-LWR	CON	CR-34783
25	WI-33478	CR-34783	K61	4	MOTOR-LWR	CON	CR-34783
26	WI-33777	CR-34783	K50	A2	K51	A2	CR-34783
27	WI-33777	CR-34783	K60	A2	K51	A2	CR-34783
28	WI-33777	CR-34783	K60	A2	K61	A2	CR-34783
29	WI-3815	CR-34782	F4	2	F9	2	CR-34782
30	WI-3815	CR-34782	F6	2	F10	2	CR-34782
31	WI-3815	CR-34782	F7	2	F11	2	CR-34782
32	WI-33478	CR-34783	K50	1	K51	1	CR-34783
33	WI-33478	CR-34783	K50	3	K51	3	CR-34783
34	WI-33478	CR-34783	K50	5	K51	5	CR-34783
35	WI-33478	CR-34783	K60	1	K61	1	CR-34783
36	WI-33478	CR-34783	K60	3	K61	3	CR-34783
37	WI-33478	CR-34783	K60	5	K61	5	CR-34783
38	WI-33478	CR-34783	K50	A1	K60	A1	CR-34783
39	WI-33478	CR-34783	K51	A1	K61	A1	CR-34783
40	WI-33478	CR-34783	F9	2	F4	2	CR-34783
41	WI-33478	CR-34783	F10	2	F6	2	CR-34783
42	WI-33478	CR-34783	F11	2	F7	2	CR-34783
44	WI-33478	CR-34783	K51	22	K50	A1	CR-34783



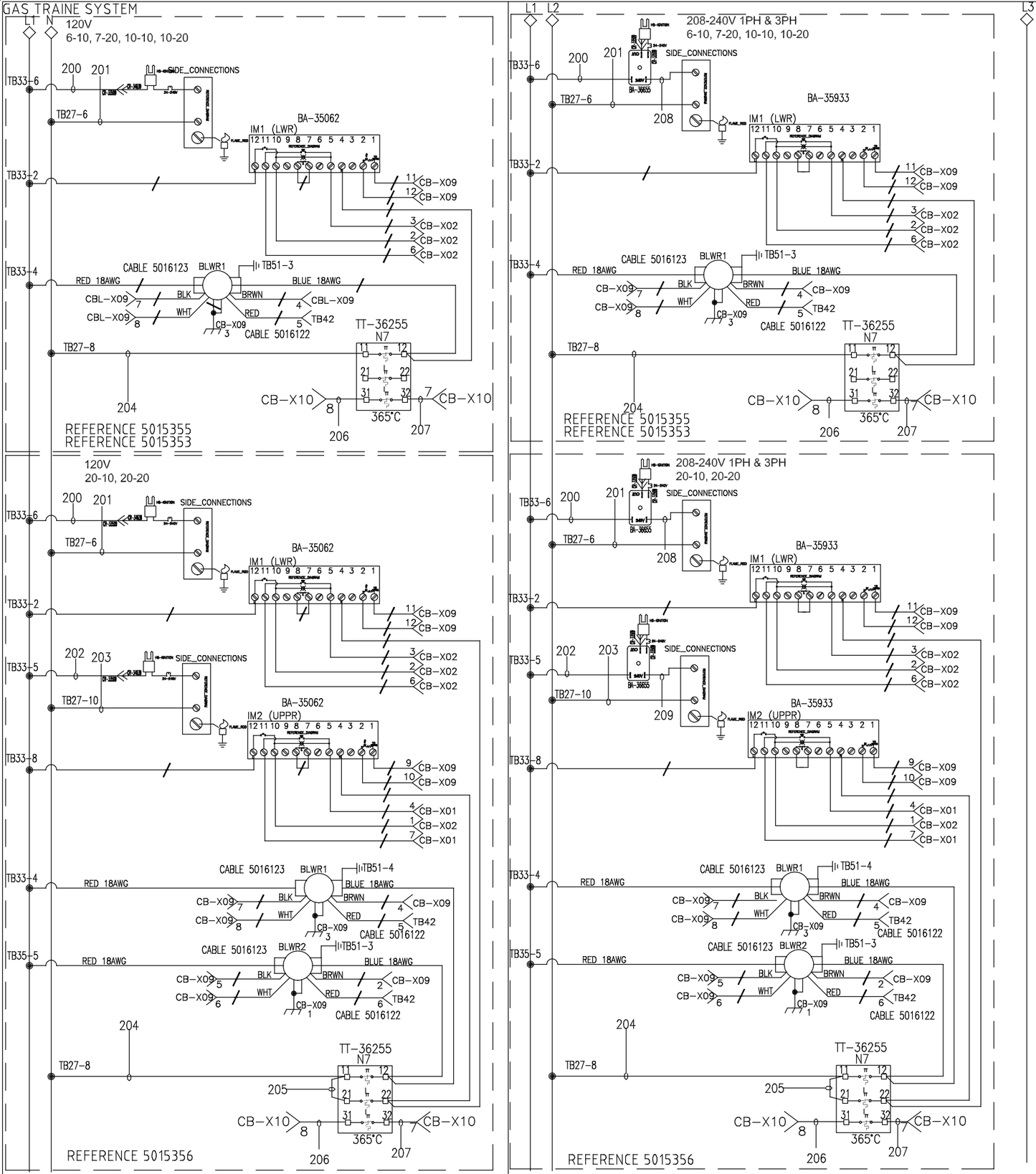
5015352 6-10,10-10,7-20,10-20 (ES,ESI,ESG); 204,380,44V 3PH; SIMPLE

5015352-4W							
#	WI-STOCK	T-CONN.	FROM	T-LOC	TO	T-LOC	L-CONN.
1	WI-3815	CR-34782	TB1	2	F4	2	CR-34782
2	WI-3815	CR-34782	TB6	2	F6	2	CR-34782
3	WI-3815	CR-34782	TB12	2	F7	2	CR-34782
4	WI-33478	CR-34783	F4	1	K50	1	CR-34783
6	WI-33478	CR-34783	F6	1	K50	3	CR-34783
9	WI-33478	CR-34783	F7	1	K50	5	CR-34783
12	WI-33776	CR-34783	TB50	1	MOTOR	GND	BARE
13	WI-33777	CR-34783	K50	A2	TB27	19	CR-34783
14	WI-33478	CR-34783	K50	2	MOTOR-UPPR	CON	CR-34783
15	WI-33478	CR-34783	K51	2	MOTOR-UPPR	CON	CR-34783
16	WI-33478	CR-34783	K50	6	MOTOR-UPPR	CON	CR-34783
16	WI-33478	CR-34783	K51	6	MOTOR-UPPR	CON	CR-34783
17	WI-33478	CR-34783	K51	4	MOTOR-UPPR	CON	CR-34783
18	WI-33478	CR-34783	K50	4	MOTOR-UPPR	CON	CR-34783
28	WI-33777	CR-34783	K50	A2	K51	A2	CR-34783
32	WI-33478	CR-34783	K51	1	K50	1	CR-34783
33	WI-33478	CR-34783	K51	3	K50	3	CR-34783
34	WI-33478	CR-34783	K51	5	K50	5	CR-34783
44	WI-33478	CR-34783	K51	22	K50	A1	CR-34783

REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM — WIRING DIAGRAM
6-10,10-10,7-20,10-20 3PH SIMPLE MOTOR

BY: AFT | DWG: 77529 | SHEET 5 OF 42
DATE: 04/12/12



5015355 6-10,10-10,7-20 (GI); 120V,208V,380V; SIMPLE & TOUCH

5015355-4W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
200	WI-33478	CR-34783	TB33	6	IGNTR	LWR	CR-33509
201	WI-33777	CR-34783	TB-27	6	IGNTR	N	CR-34562
206	WI-33777	CR-33509	N7	31	CB-X10	8	CR-34783
207	WI-33777	CR-33509	N7	32	CB-X10	7	CR-34783
204	WI-33777	CR-33509	N7	11	TB27	8	CR-34783

5015353 10-20 (GI); 120V,208V,380V; SIMPLE & TOUCH

5015353-4W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
200	WI-33478	CR-34783	TB33	6	IGNTR	LWR	CR-33509
201	WI-33777	CR-34783	TB-27	6	IGNTR	N	CR-34562
206	WI-33777	CR-33509	N7	31	CB-X10	8	CR-34783
207	WI-33777	CR-33509	N7	32	CB-X10	7	CR-34783
204	WI-33777	CR-33509	N7	11	TB27	8	CR-34783

5015356 20-10/20-20 (GI); 120V,208V,380V; SIMPLE & TOUCH

5015356-2W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
200	WI-33478	CR-34783	TB33	6	IGNTR	LWR	CR-33509
201	WI-33777	CR-34783	TB27	6	IGNTR	N	CR-34562
202	WI-33478	CR-34783	TB33	5	IGNTR	UPPR	CR-33509
203	WI-33777	CR-34783	TB27	10	IGNTR	N	CR-34562
204	WI-33777	CR-34783	TB27	8	N7	11	CR-34774
205	WI-33777	CR-33509	N7	21	N7	11	CR-33509
206	WI-33777	CR-33509	N7	31	CB-X10	8	CR-34783
207	WI-33777	CR-33509	N7	32	CB-X10	7	CR-34783

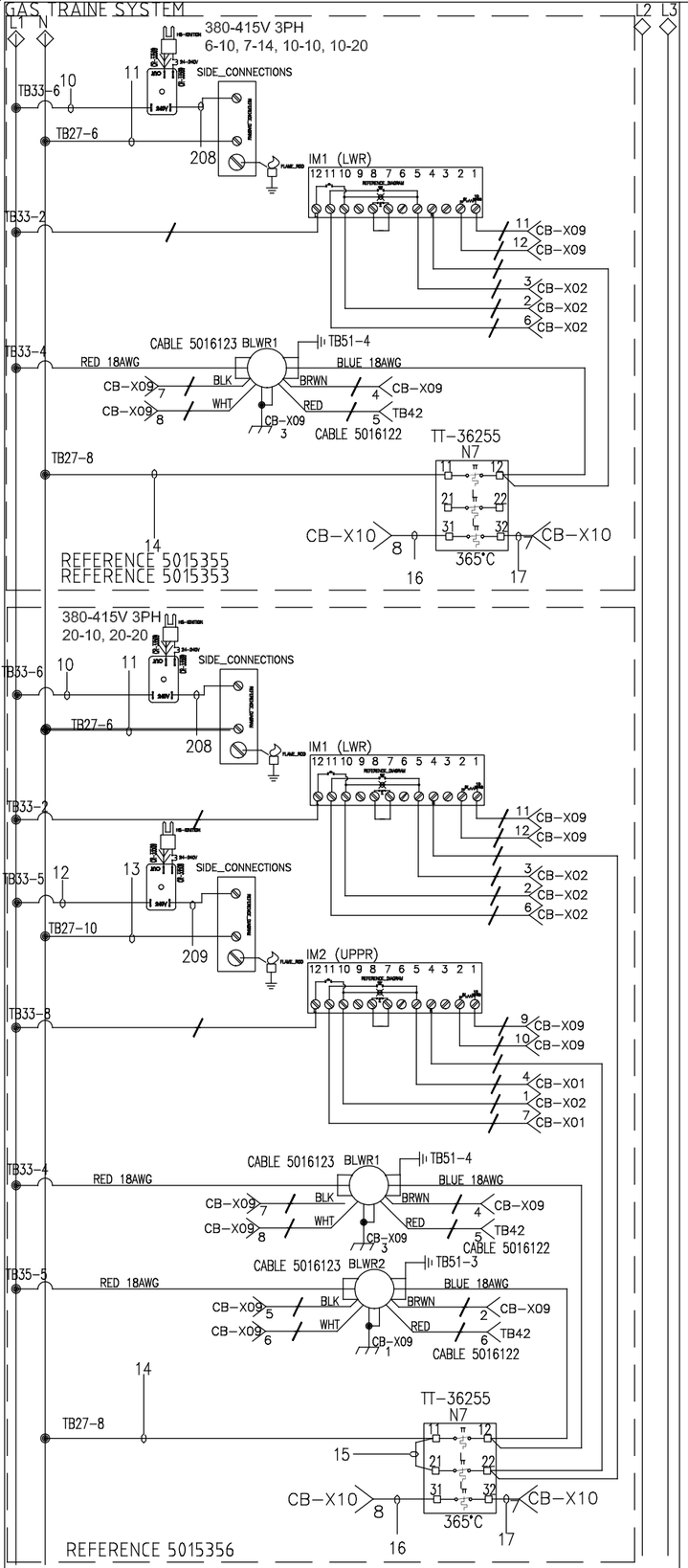
5017494 6-10,10-10,7-20, 10.20 (GI); 208V,380V; SIMPLE & TOUCH

5017495 20-10/20-20 (GI); 208V,380V; SIMPLE & TOUCH

REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM — WIRING DIAGRAM
6.10 UP-TO 20.20 120V/208V GAS MODEL

BY:	AFT	DWG:	77529	SHEET
DATE:	04/12/12			6 OF 42



5015355 6-10,10-10,7-20 (GI); 380V; SIMPLE & TOUCH

5015355-4W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
200	WI-33478	CR-34783	TB33	6	IGNTR	LWR	CR-33509
201	WI-33777	CR-34783	TB-27	6	IGNTR	N	CR-34562
206	WI-33777	CR-33509	N7	31	CB-X10	8	CR-34783
207	WI-33777	CR-33509	N7	32	CB-X10	7	CR-34783
204	WI-33777	CR-33509	N7	11	TB27	8	CR-34783

5015353 10-20 (GI); 380V; SIMPLE & TOUCH

5015353-4W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
200	WI-33478	CR-34783	TB33	6	IGNTR	LWR	CR-33509
201	WI-33777	CR-34783	TB-27	6	IGNTR	N	CR-34562
206	WI-33777	CR-33509	N7	31	CB-X10	8	CR-34783
207	WI-33777	CR-33509	N7	32	CB-X10	7	CR-34783
204	WI-33777	CR-33509	N7	11	TB27	8	CR-34783

5015356 20-10/20-20 (GI); 380V; SIMPLE & TOUCH

5015356-2W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
200	WI-33478	CR-34783	TB33	6	IGNTR	LWR	CR-33509
201	WI-33777	CR-34783	TB27	6	IGNTR	N	CR-34562
202	WI-33478	CR-34783	TB33	5	IGNTR	UPPR	CR-33509
203	WI-33777	CR-34783	TB27	10	IGNTR	N	CR-34562
204	WI-33777	CR-34783	TB27	8	N7	11	CR-34774
205	WI-33777	CR-33509	N7	21	N7	11	CR-33509
206	WI-33777	CR-33509	N7	31	CB-X10	8	CR-34783
207	WI-33777	CR-33509	N7	32	CB-X10	7	CR-34783

5017494 6-10,10-10,7-20, 10.20 (GI); 208V,380V; SIMPLE & TOUCH

5017494-0W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
208	WI-33478	CR-33509	BA-36655	2	IGNTR	LWR	CR-34562

5017495 20-10/20-20 (GI); 208V,380V; SIMPLE & TOUCH

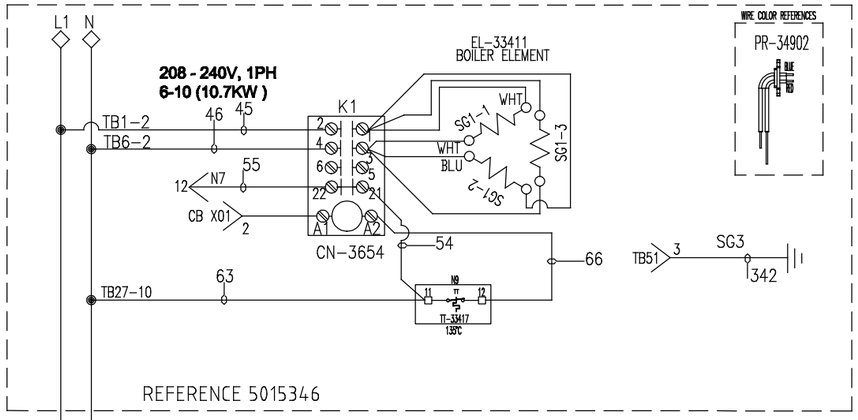
5017495-0W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
208	WI-33478	CR-33509	BA-36655	2	IGNTR	LWR	CR-34562
209	WI-33478	CR-33509	BA-36655	2	IGNTR	UPPR	CR-34562

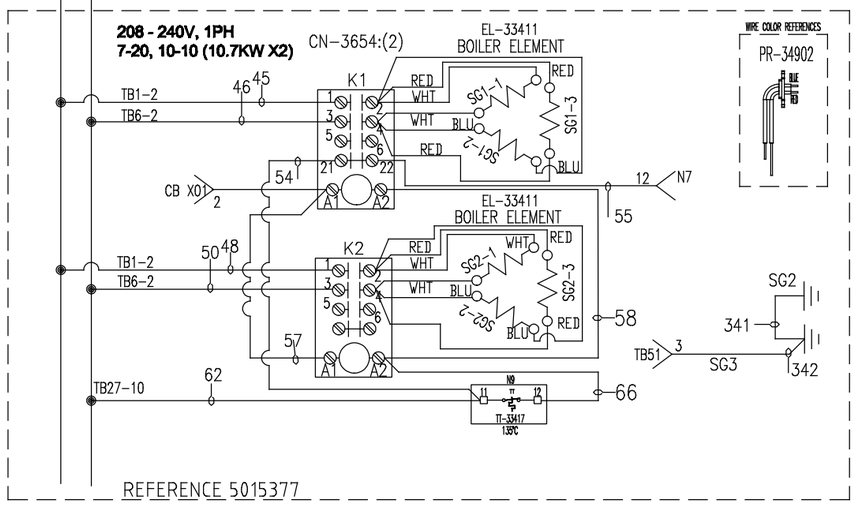
REV	ECO	DESCRIPTION	DATE	APP

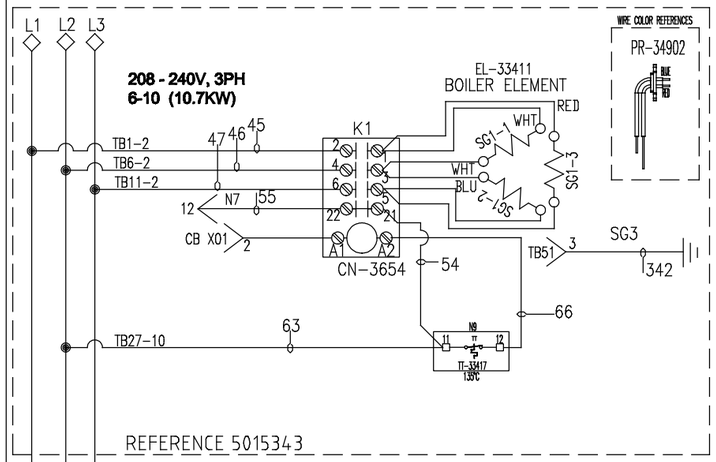
ALTO-SHAAM — WIRING DIAGRAM
6.10 UP-TO 20.20 380V GAS MODEL

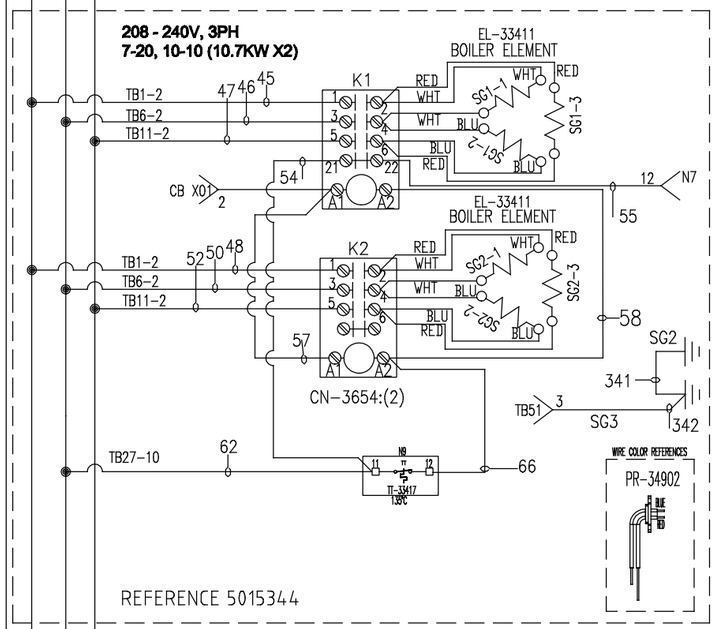
BY:	AFT	DWG:	77529	SHEET
DATE:	04/12/12			7 OF 42

BOILER SYSTEM









5015346 6-10 (EB); 208V 1PH; SIMPLE & TOUCH

5015346-5W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
45	WI-3816	CR-34781	TB1	2	K1	2	CR-34775
46	WI-3816	CR-34781	TB6	2	K1	4	CR-34775
54	WI-33777	CR-34774	N9	11	K1	21	CR-3593
55	WI-33777	CR-3593	K1	22	N7	12	CR-33509
63	WI-33777	CR-3593	N9	11	TB27	10	CR-34783
342	WI-33776	CR-33509	SG3	GND	TB51	3	CR-34783
66	WI-33777	CR-33509	N9	12	K1	A2	CR-3593

5015377 10-10,7-20 (EB); 208V 1PH; SIMPLE & TOUCH

5015377-5W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
45	WI-3816	CR-34781	TB1	2	K1	2	CR-34775
46	WI-3816	CR-34781	TB6	2	K1	4	CR-34775
48	WI-3816	CR-34781	TB1	2	K2	2	CR-34775
50	WI-3816	CR-34781	TB6	2	K2	4	CR-34775
54	WI-33777	CR-34774	N9	11	K1	21	CR-3593
55	WI-33777	CR-3593	K1	22	N7	12	CR-33509
63	WI-33777	CR-33509	N9	11	TB27	10	CR-34783
341	WI-33776	CR-33509	SG2	GND	SG3	GND	CR-34774
342	WI-33776	CR-34783	TB51	3	SG3	GDN	CR-33509
66	WI-33777	CR-33509	N9	12	K1	A2	CR-3593

5015343 6-10 (EB); 208V 3PH; SIMPLE & TOUCH

5015343-5W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
45	WI-3816	CR-34781	TB1	2	K1	2	CR-34775
46	WI-3816	CR-34781	TB6	2	K1	4	CR-34775
47	WI-3816	CR-34781	TB11	2	K1	6	CR-34775
54	WI-33777	CR-34774	N9	11	K1	21	CR-3593
55	WI-33777	CR-3593	K1	22	N7	12	CR-33509
63	WI-33777	CR-33509	N9	11	TB27	10	CR-3593
342	WI-33776	CR-33509	SG3	GND	TB51	3	CR-34783
66	WI-33777	CR-33509	N9	12	K1	A2	CR-3593

5015344 10-10,7-20 (EB); 208V 3PH; SIMPLE & TOUCH

5015344-5W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
45	WI-3816	CR-34781	TB1	2	K1	1	CR-34775
46	WI-3816	CR-34781	TB6	2	K1	3	CR-34775
47	WI-3816	CR-34781	TB11	2	K1	5	CR-34775
48	WI-3816	CR-34781	TB1	2	K2	1	CR-34775
50	WI-3816	CR-34781	TB6	2	K2	3	CR-34775
52	WI-3816	CR-34781	TB11	2	K2	5	CR-34775
54	WI-33777	CR-34774	N9	11	K1	21	CR-3593
55	WI-33777	CR-3593	K1	22	N7	12	CR-33509
57	WI-33478	CR-3593	K2	A1	K1	A1	CR-3593
58	WI-33777	CR-3593	K2	A2	K1	A2	CR-3593
62	WI-33777	CR-33509	N9	11	TB27	10	CR-34783
341	WI-33776	CR-33509	SG2	GND	SG3	GND	CR-34774
342	WI-33776	CR-34783	TB51	3	SG3	GND	CR-33509
66	WI-33777	CR-33509	N9	12	K2	A2	CR-3593

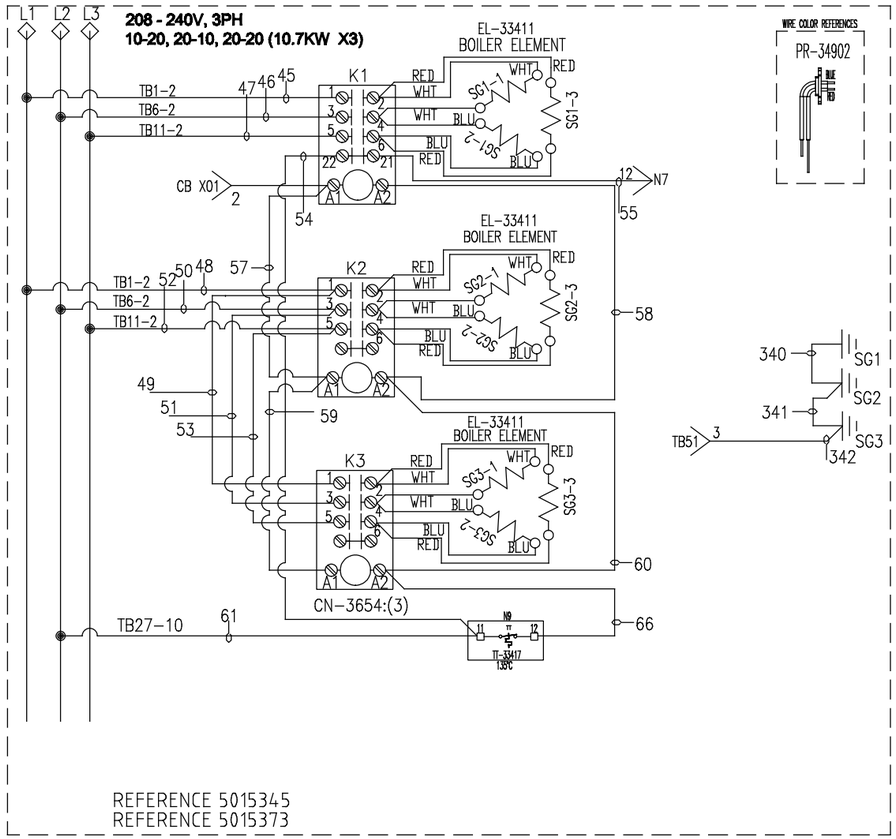
REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM — WIRING DIAGRAM — 6-10-10,10-7,14-1 & 3 PH 208-240V BOILER

BY: AFT | DWG: 77529 | SHEET 8 OF 42

DATE: 06/12/12

BOILER SYSTEM



5015345 10-20 (EB); 208V 3PH; SIMPLE & TOUCH

5015345-4W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
45	WI-3816	CR-34781	TB1	2	K1	1	CR-34775
46	WI-3816	CR-34781	TB6	2	K1	3	CR-34775
47	WI-3816	CR-34781	TB11	2	K1	5	CR-34775
48	WI-3816	CR-34781	TB1	2	K2	1	CR-34775
49	WI-3816	CR-34775	K2	1	K3	1	CR-34775
50	WI-3816	CR-34781	TB6	2	K2	3	CR-34775
51	WI-3816	CR-34775	K2	3	K3	3	CR-34775
52	WI-3816	CR-34781	TB11	2	K2	5	CR-34775
53	WI-3816	CR-34775	K2	5	K3	5	CR-34775
54	WI-33777	CR-34774	N9	11	K1	21	CR-3593
55	WI-33777	CR-3593	K1	22	N7	12	CR-33509
57	WI-33478	CR-3593	K2	A1	K1	A1	CR-3593
58	WI-33777	CR-3593	K2	A2	K1	A2	CR-3593
59	WI-33478	CR-3593	K2	A1	K3	A1	CR-3593
60	WI-33777	CR-3593	K3	A2	K2	A2	CR-3593
61	WI-33777	CR-33509	N9	11	TB27	16	CR-3593
340	WI-33776	CR-33509	SG1	GND	SG2	GND	CR-34774
341	WI-33776	CR-34774	SG3	GND	SG2	GND	CR-33509
342	WI-33776	CR-33509	SG3	GND	TB51	3	CR-34783
66	WI-33777	CR-33509	N9	12	K3	A2	CR-3593

5015373 20-10/20-20 (EB); 208V 3PH; SIMPLE & TOUCH

5015373-4W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
45	WI-3816	CR-34781	TB1	2	K1	1	CR-34775
46	WI-3816	CR-34781	TB6	2	K1	3	CR-34775
47	WI-3816	CR-34781	TB11	2	K1	5	CR-34775
48	WI-3816	CR-34781	TB1	2	K2	1	CR-34775
49	WI-3816	CR-34775	K2	1	K3	1	CR-34775
50	WI-3816	CR-34781	TB6	2	K2	3	CR-34775
51	WI-3816	CR-34775	K2	3	K3	3	CR-34775
52	WI-3816	CR-34781	TB11	2	K2	5	CR-34775
53	WI-3816	CR-34775	K2	5	K3	5	CR-34775
54	WI-33777	CR-34774	N9	11	K1	21	CR-3593
55	WI-33777	CR-3593	K1	22	N7	12	CR-33509
57	WI-33478	CR-3593	K2	A1	K1	A1	CR-3593
58	WI-33777	CR-3593	K2	A2	K1	A2	CR-3593
59	WI-33478	CR-3593	K2	A1	K3	A1	CR-3593
60	WI-33777	CR-3593	K3	A2	K2	A2	CR-3593
61	WI-33777	CR-33509	N9	11	TB27	10	CR-34783
340	WI-33776	CR-33509	SG1	GND	SG2	GND	CR-34774
341	WI-33776	CR-34774	SG3	GND	SG2	GND	CR-33509
342	WI-33776	CR-33509	SG3	GND	TB51	3	CR-34783
66	WI-33777	CR-33509	N9	12	K3	A2	CR-3593

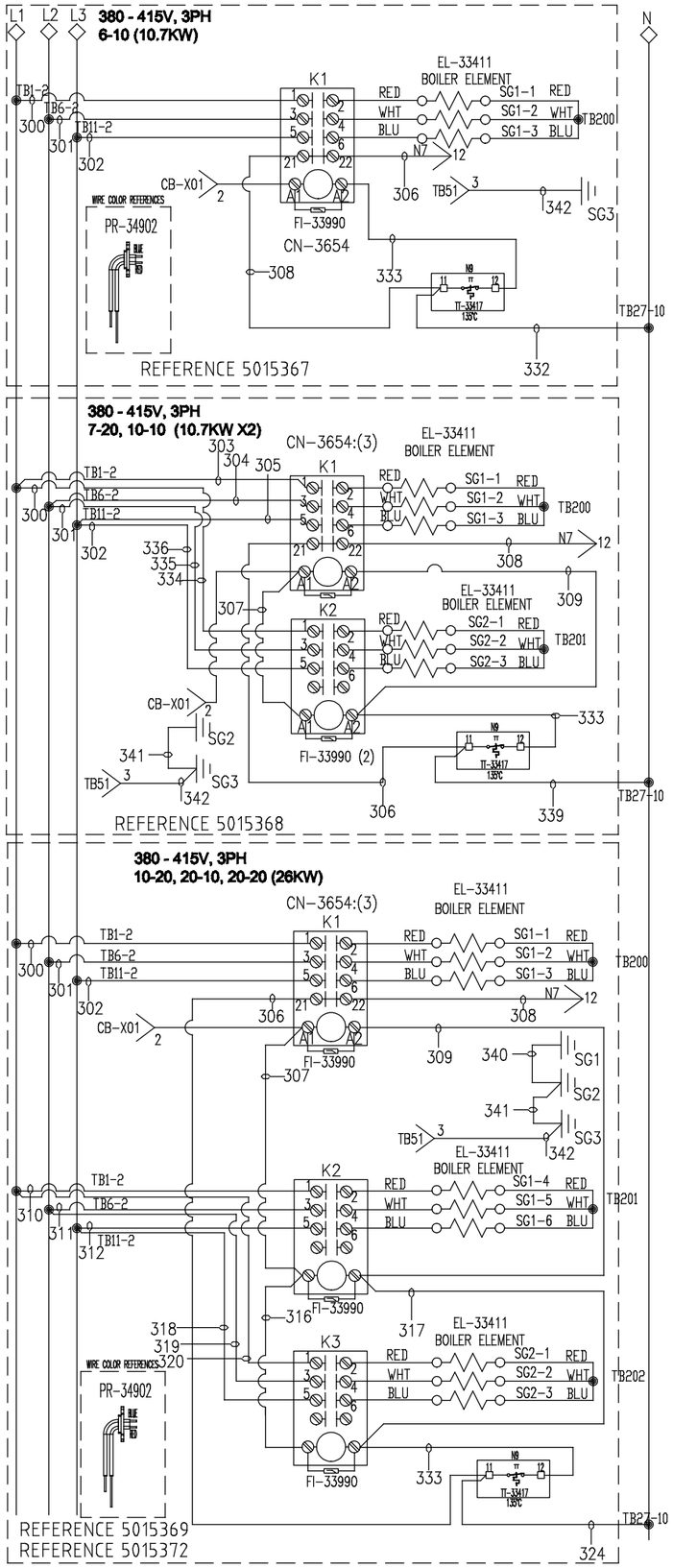
REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM — WIRING DIAGRAM
10-10-20-10-20-20 BOILER 208-240V 3PH

BY: AFT | DWG: 77529 | SHEET 9 OF 42

DATE: 04/12/12

BOILER SYSTEM



5015367 6-10 (EB); 380V 3PH; SIMPLE & TOUCH

5015367-5W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
300	WI-3816	CR-34781	TB1	2	K1	2	CR-34775
301	WI-3816	CR-34781	TB6	2	K1	4	CR-34775
302	WI-3816	CR-34781	TB11	2	K1	6	CR-34775
306	WI-33777	CR-3593	K1	22	N7	12	CR-33509
308	WI-33777	CR-34774	N9	11	K1	21	CR-3593
332	WI-33777	CR-33509	N9	11	TB27	18	CR-34783
342	WI-33776	CR-33509	SG3	GND	TB51	3	CR-34783
333	WI-33777	CR-33509	N9	12	K1	A2	CR-3593

5015368 7-20/10-10 (EB); 380V 3PH; SIMPLE & TOUCH

5015368-5W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
300	WI-3816	CR-34781	TB1	2	K1	1	CR-34775
300	WI-3816	CR-34781	TB1	2	K2	1	CR-34775
301	WI-3816	CR-34781	TB6	2	K1	3	CR-34775
301	WI-3816	CR-34781	TB6	2	K2	3	CR-34775
302	WI-3816	CR-34781	TB11	2	K1	5	CR-34775
302	WI-3816	CR-34781	TB11	2	K2	5	CR-34775
306	WI-33777	CR-3593	K1	21	N9	11	CR-34774
307	WI-33478	CR-3593	K1	A1	K2	A1	CR-3593
308	WI-33777	CR-33509	N7	12	K1	22	CR-3593
309	WI-33777	CR-3593	K1	A2	K2	A2	CR-3593
339	WI-33777	CR-33509	N9	11	TB27	18	CR-34783
341	WI-33776	CR-33509	SG2	GND	SG3	GND	CR-34774
342	WI-33776	CR-34783	TB51	3	SG3	GND	CR-33509
333	WI-33777	CR-33509	N9	12	K2	A2	CR-3593

5015369 10-20 (EB); 380V 3PH; SIMPLE & TOUCH

5015369-4W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
300	WI-3816	CR-34781	TB1	2	K1	1	CR-34775
301	WI-3816	CR-34781	TB6	2	K1	3	CR-34775
302	WI-3816	CR-34781	TB11	2	K1	5	CR-34775
306	WI-33777	CR-3593	K1	21	N9	11	CR-34774
307	WI-33478	CR-3593	K1	A1	K2	A1	CR-3593
308	WI-33777	CR-3593	K1	22	N7	12	CR-33509
309	WI-33777	CR-3593	K1	A2	K2	A2	CR-3593
310	WI-3816	CR-34781	TB1	2	K2	1	CR-34775
311	WI-3816	CR-34781	TB6	2	K2	3	CR-34775
312	WI-3816	CR-34781	TB11	2	K2	5	CR-34775
316	WI-33478	CR-3593	K2	A1	K3	A1	CR-3593
317	WI-33777	CR-3593	K2	A2	K3	A2	CR-3593
318	WI-3816	CR-34775	K2	1	TB1	2	CR-34781
319	WI-3816	CR-34775	K2	3	TB6	2	CR-34781
320	WI-3816	CR-34775	K2	5	TB11	2	CR-34781
324	WI-33777	CR-33509	N9	11	TB27	18	CR-34783
340	WI-33776	CR-33509	SG1	GND	SG2	GND	CR-34774
341	WI-33776	CR-34774	SG2	GND	SG3	GND	CR-33509
342	WI-33776	CR-33509	SG3	GND	TB51	3	CR-34783
333	WI-33777	CR-33509	N9	12	K3	A2	CR-3593

5015372 20-10/20-20 (EB); 380V 3PH; SIMPLE & TOUCH

5015372-4W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
300	WI-3816	CR-34781	TB1	2	K1	1	CR-34775
301	WI-3816	CR-34781	TB6	2	K1	3	CR-34775
302	WI-3816	CR-34781	TB11	2	K1	5	CR-34775
306	WI-33777	CR-3593	K1	21	N9	11	CR-34774
307	WI-33478	CR-3593	K1	A1	K2	A1	CR-3593
308	WI-33777	CR-33509	N7	12	K1	22	CR-3593
309	WI-33777	CR-3593	K1	A2	K2	A2	CR-3593
310	WI-3816	CR-34781	TB1	2	K2	1	CR-34775
311	WI-3816	CR-34781	TB6	2	K2	3	CR-34775
312	WI-3816	CR-34781	TB11	2	K2	5	CR-34775
316	WI-33478	CR-3593	K2	A1	K3	A1	CR-3593
317	WI-33777	CR-3593	K2	A2	K3	A2	CR-3593
318	WI-3816	CR-34775	K2	1	K3	1	CR-34775
319	WI-3816	CR-34775	K2	3	K3	3	CR-34775
320	WI-3816	CR-34775	K2	5	K3	5	CR-34775
324	WI-33777	CR-33509	N9	11	TB27	18	CR-34783
340	WI-33776	CR-33509	SG1	GND	SG2	GND	CR-34774
341	WI-33776	CR-34774	SG2	GND	SG3	GND	CR-33509
342	WI-33776	CR-33509	SG3	GND	TB51	3	CR-34783
333	WI-33776	CR-33509	N9	12	K3	A2	CR-3593

REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM

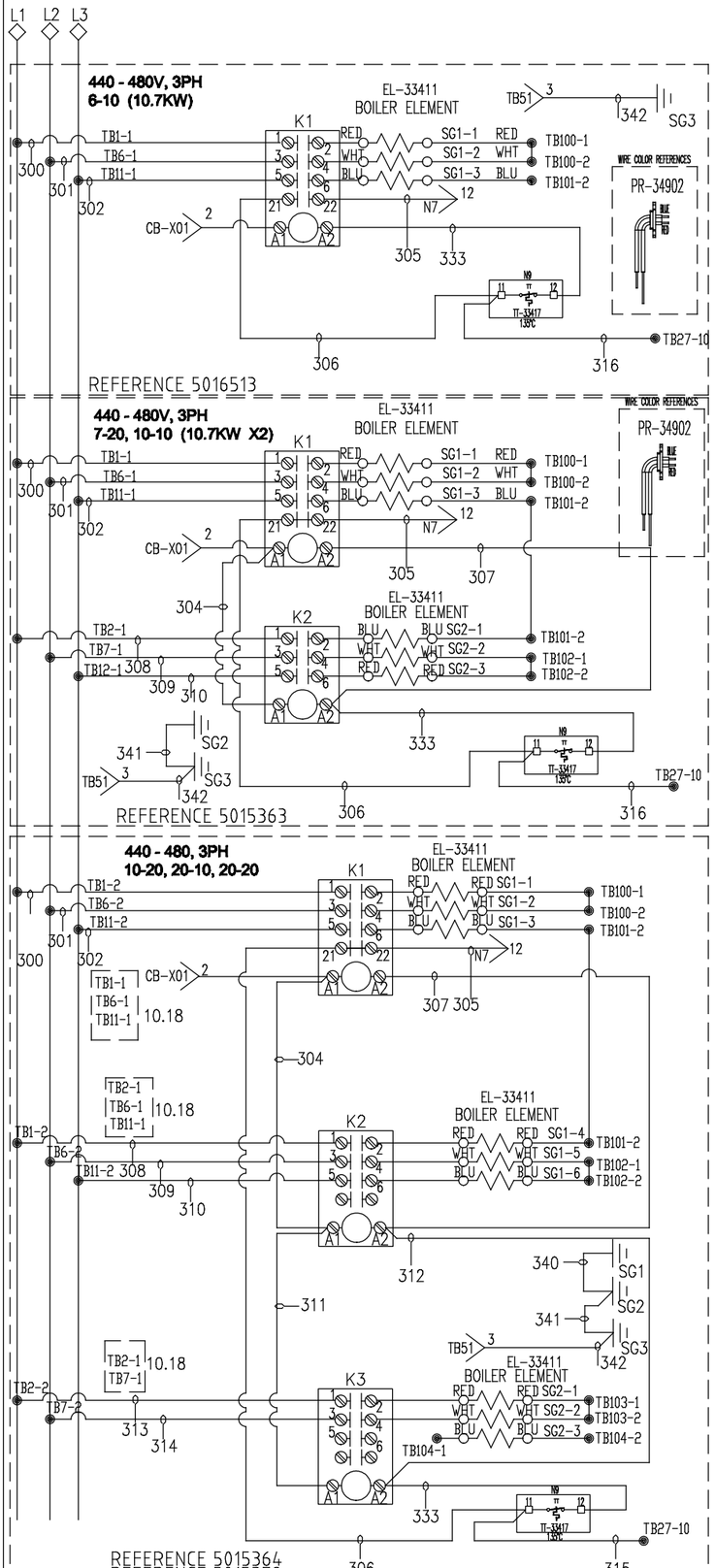
WIRING DIAGRAM

6.10 UP-TO 20.20 380V BOILER

BY: AFT | DWG: 77529 | SHEET 10 OF 42

DATE: 04/12/12

BOILER SYSTEM



5016513 6-10 (EB); 440V 3PH; SIMPLE & TOUCH

5016513-4W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
300	WI-3816	CR-34781	TB1	1	K1	1	CR-34775
301	WI-3816	CR-34781	TB6	1	K1	3	CR-34775
302	WI-3816	CR-34781	TB11	1	K1	5	CR-34775
305	WI-33777	CR-3593	K1	22	N7	12	CR-33509
306	WI-33777	CR-3593	K1	21	N9	11	CR-34774
316	WI-33777	CR-33509	N9	11	TB27	18	CR-34783
342	WI-33776	CR-34783	TB51	3	SG3	GND	CR-33509
333	WI-33777	CR-33509	N9	12	K1	A2	CR-3593

5015363 7-20/10-10 (EB); 440V 3PH; SIMPLE & TOUCH

5015363-4W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
300	WI-3816	CR-34781	TB1	1	K1	1	CR-34775
301	WI-3816	CR-34781	TB6	1	K1	3	CR-34775
302	WI-3816	CR-34781	TB11	1	K1	5	CR-34775
304	WI-33478	CR-3593	K1	A1	K2	A1	CR-3593
305	WI-33777	CR-3593	K1	22	N7	12	CR-33509
306	WI-33777	CR-3593	K1	21	N9	11	CR-34774
307	WI-33777	CR-3593	K1	A2	K2	A2	CR-3593
308	WI-3816	CR-34781	TB2	1	K2	1	CR-34775
309	WI-3816	CR-34781	TB7	1	K2	3	CR-34775
310	WI-3816	CR-34781	TB12	1	K2	5	CR-34775
316	WI-33777	CR-33509	N9	11	TB27	18	CR-34783
341	WI-33776	CR-33509	SG2	GND	SG3	GND	CR-34774
342	WI-33776	CR-34783	TB51	3	SG3	GND	CR-33509
333	WI-33776	CR-33509	N9	12	K2	A2	CR-3593

5015364 10-20 (EB); 440V 3PH; SIMPLE & TOUCH

5015364-4W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
300	WI-3816	CR-34781	TB1	1	K1	1	CR-34775
301	WI-3816	CR-34781	TB6	1	K1	3	CR-34775
302	WI-3816	CR-34781	TB11	1	K1	5	CR-34775
304	WI-33478	CR-3593	K1	A1	K2	A1	CR-3593
305	WI-33777	CR-3593	K1	22	N7	12	CR-33509
306	WI-33777	CR-3593	K1	21	N9	11	CR-34774
307	WI-33777	CR-3593	K1	A2	K2	A2	CR-3593
308	WI-3816	CR-34781	TB2	1	K2	1	CR-34775
309	WI-3816	CR-34781	TB6	1	K2	3	CR-34775
310	WI-3816	CR-34781	TB11	1	K2	5	CR-34775
311	WI-33478	CR-3593	K2	A1	K3	A1	CR-3593
312	WI-33777	CR-3593	K2	A2	K3	A2	CR-3593
313	WI-3816	CR-34781	TB2	1	K3	1	CR-34775
314	WI-3816	CR-34781	TB7	1	K3	3	CR-34775
315	WI-33777	CR-33509	N9	11	TB27	18	CR-34783
340	WI-33776	CR-33509	SG1	GND	SG2	GND	CR-34774
341	WI-33776	CR-34774	SG3	GND	SG2	GND	CR-33509
342	WI-33776	CR-33509	SG3	GND	TB51	3	CR-34783
333	WI-33777	CR-33509	N9	12	K3	A2	CR-3593

5015378 20-10/20-20 (EB); 440V 3PH; SIMPLE & TOUCH

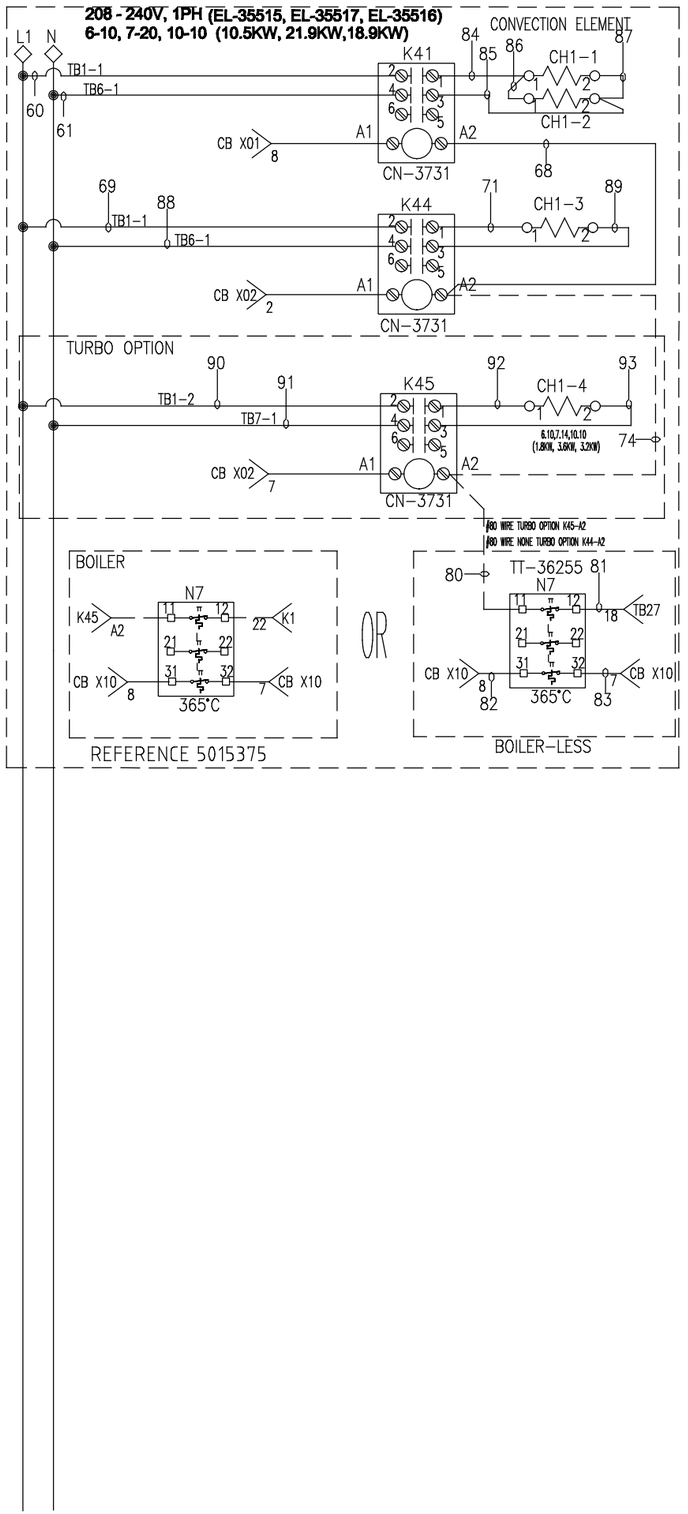
5015378-4W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
300	WI-3816	CR-34781	TB1	2	K1	1	CR-34775
301	WI-3816	CR-34781	TB6	2	K1	3	CR-34775
302	WI-3816	CR-34781	TB11	2	K1	5	CR-34775
304	WI-33478	CR-3593	K1	A1	K2	A1	CR-3593
305	WI-33777	CR-3593	K1	22	N7	12	CR-33509
306	WI-33777	CR-3593	K1	21	N9	11	CR-34774
307	WI-33777	CR-3593	K1	A2	K2	A2	CR-3593
308	WI-3816	CR-34781	TB1	2	K2	1	CR-34775
309	WI-3816	CR-34781	TB6	2	K2	3	CR-34775
310	WI-3816	CR-34781	TB11	2	K2	5	CR-34775
311	WI-33478	CR-3593	K2	A1	K3	A1	CR-3593
312	WI-33777	CR-3593	K2	A2	K3	A2	CR-3593
313	WI-3816	CR-34781	TB2	2	K3	1	CR-34775
314	WI-3816	CR-34781	TB7	2	K3	3	CR-34775
315	WI-33777	CR-33509	N9	11	TB27	18	CR-34783
340	WI-33776	CR-33509	SG1	GND	SG2	GND	CR-34774
341	WI-33776	CR-34774	SG3	GND	SG2	GND	CR-33509
342	WI-33776	CR-33509	SG3	GND	TB51	3	CR-34783
333	WI-33777	CR-33509	N9	12	K3	A2	CR-3593

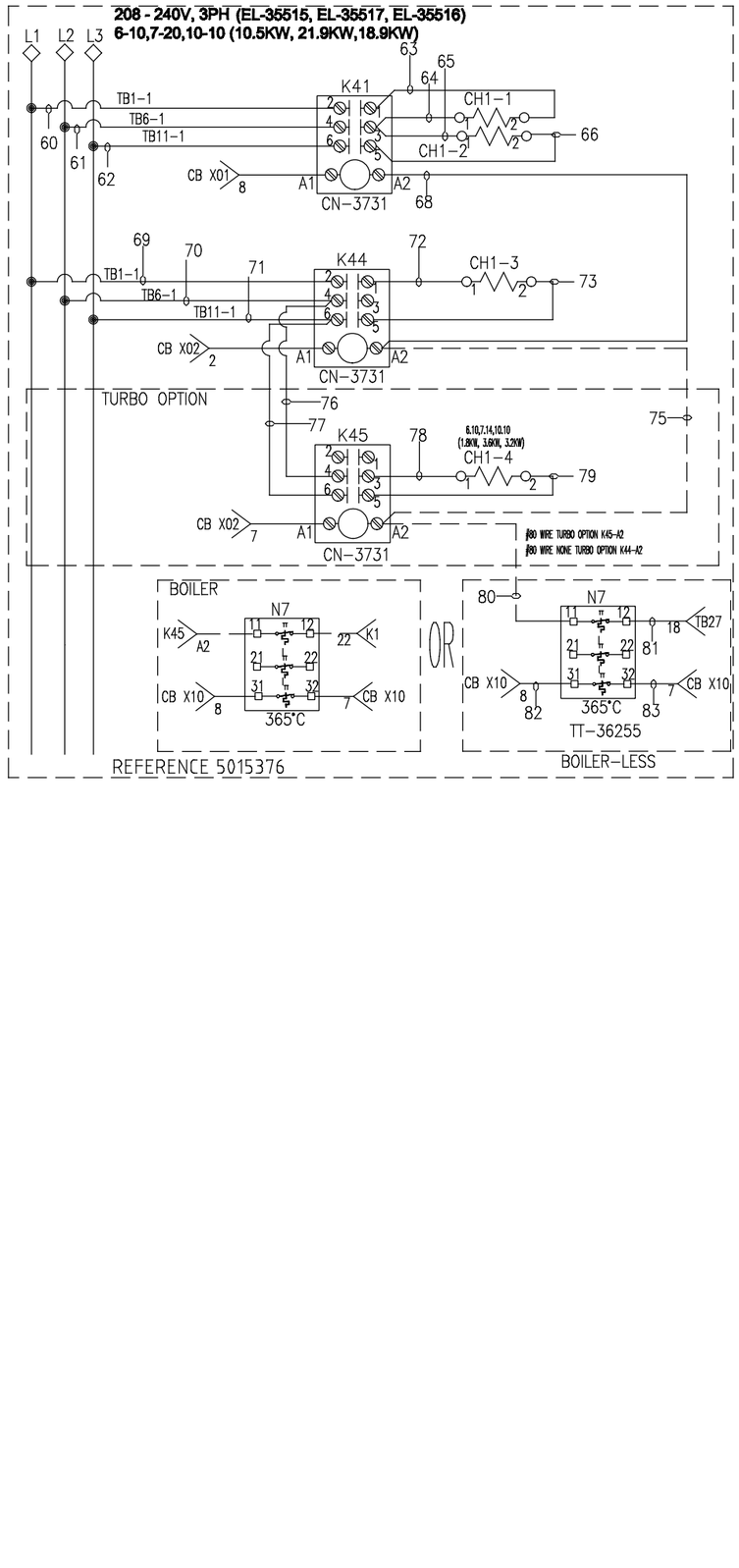
REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM — WIRING DIAGRAM
7.10 UP-TO 20.20 440V BOILER

BY: AFT | DWG: 77529 | SHEET 11 OF 42
DATE: 04/12/12

CONVECTION SYSTEM





5015375 6-10,10-10,7-20 (EI); 208V 1PH; TOUCH

5015375-2W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
60	WI-3816	CR-34781	TB1	1	K41	2	CR-34781
61	WI-3816	CR-34781	TB6	1	K41	4	CR-34781
68	WI-33777	CR-3593	K41	A2	K44	A2	CR-3593
69	WI-3816	CR-34781	TB1	1	K44	2	CR-34781
71	WI-3816	CR-34781	K44	1	CH1	3-1	CR-33008
80	WI-33777	CR-3593	K44	A2	N7	11	CR-33509
81	WI-33777	CR-33509	N7	12	TB27	18	CR-34783
82	WI-33777	CR-33509	N7	31	CB-X10	8	CR-34783
83	WI-33777	CR-33509	N7	32	CB-X10	7	CR-3593
84	WI-3816	CR-34781	K41	1	CH1	1-1	CR-33008
85	WI-3816	CR-34781	K41	3	CH1	2-2	CR-33008
86	WI-3816	CR-33008	CH1	1-1	CH1	2-1	CR-33008
87	WI-3816	CR-33008	CH1	1-2	CH1	2-2	CR-33008
88	WI-3816	CR-34781	TB6	1	K44	4	CR-34781
89	WI-3816	CR-34781	K44	3	CH1	3-1	CR-33008

5015376 6-10,10-10,7-20 (EI); 208V 3PH TOUCH

5015376-4W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
60	WI-3816	CR-34781	TB1	1	K41	2	CR-34781
61	WI-3816	CR-34781	TB6	1	K41	4	CR-34781
62	WI-3816	CR-34781	TB11	1	K41	6	CR-34781
63	WI-3816	CR-34781	K41	1	CH1	1-2	CR-33008
64	WI-3816	CR-34781	K41	3	CH1	1-1	CR-33008
65	WI-3816	CR-34781	K41	3	CH1	2-1	CR-33008
66	WI-3816	CR-34781	K41	5	CH1	2-2	CR-33008
68	WI-33777	CR-3593	K41	A2	K44	A2	CR-3593
69	WI-3816	CR-34781	TB1	1	K44	2	CR-34781
70	WI-3816	CR-34781	TB6	1	K44	4	CR-34781
71	WI-3816	CR-34781	TB11	1	K44	6	CR-34781
72	WI-3816	CR-34781	K44	1	CH1	3-1	CR-33008
73	WI-3816	CR-34781	K44	5	CH1	3-2	CR-33008
80	WI-33777	CR-3593	K44	A2	N7	11	CR-33509
81	WI-33777	CR-33509	N7	12	TB27	18	CR-34783
82	WI-33777	CR-33509	N7	31	CB-X10	8	CR-34783
83	WI-33777	CR-33509	N7	32	CB-X10	7	CR-34783

REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM

WIRING DIAGRAM

6-10-10-10-7-14 EI,208-240V 1-3Ph 50/60Hz

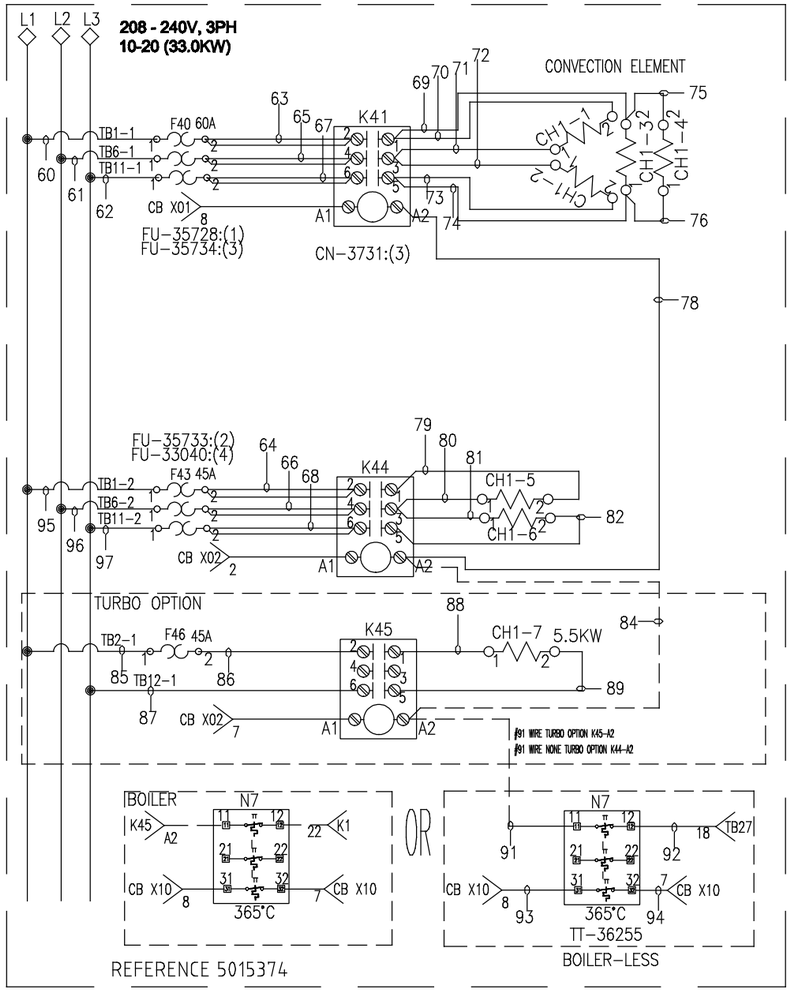
BY: AFT

DATE: 04/12/12

DWG: 77529

SHEET 12 OF 42

CONVECTION SYSTEM



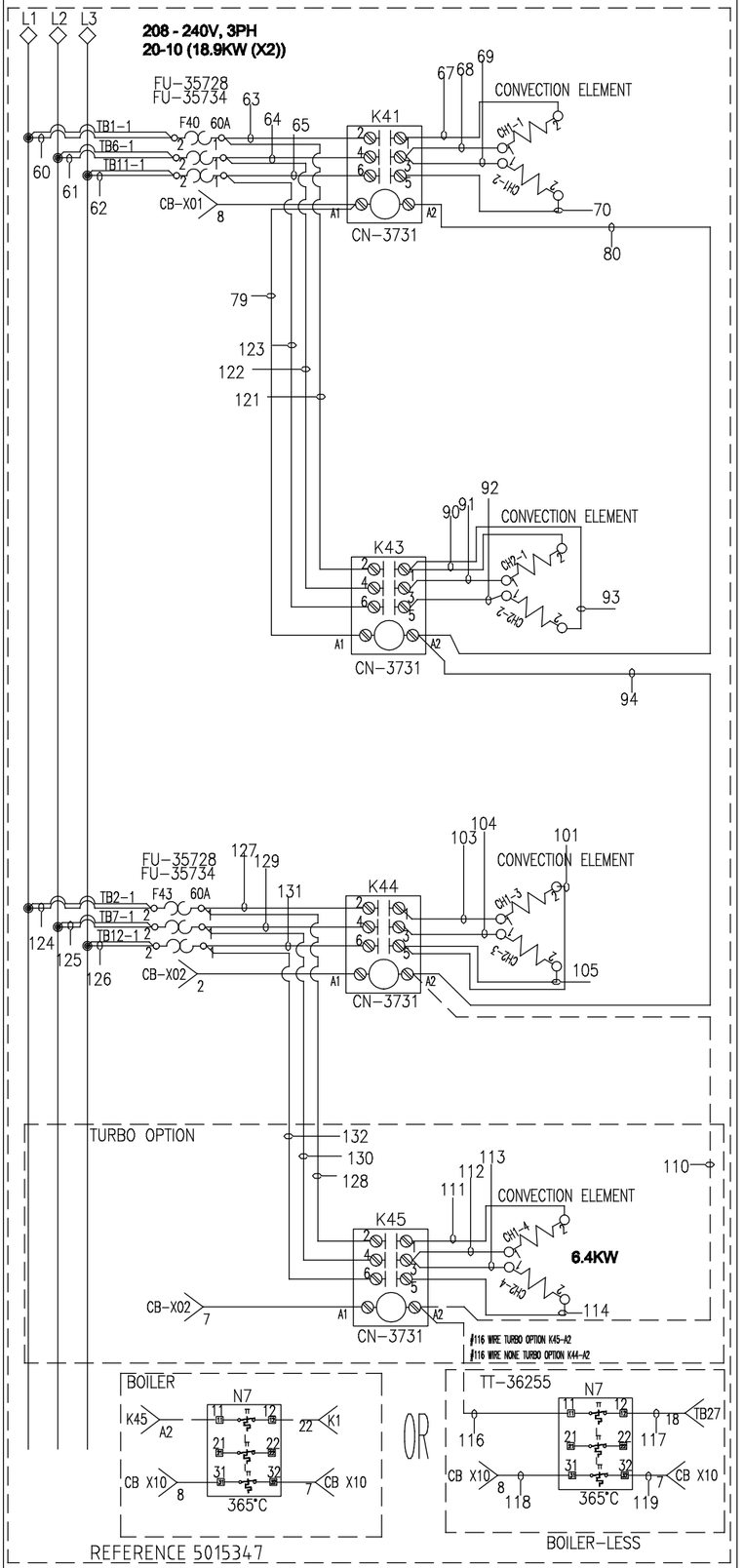
5015374 10-20 (EI); 208V 3PH; TOUCH

5015374-2W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
60	WI-3816	CR-34781	TB1	1	F40	1	CR-34781
60	WI-3816	CR-34781	TB1	1	F40	1	CR-34781
61	WI-3816	CR-34781	TB6	1	F41	1	CR-34781
61	WI-3816	CR-34781	TB6	1	F41	1	CR-34781
62	WI-3816	CR-34781	TB11	1	F42	1	CR-34781
62	WI-3816	CR-34781	TB11	1	F42	1	CR-34781
63	WI-3816	CR-34781	K41	2	F40	2	CR-34781
63	WI-3816	CR-34781	K41	2	F40	2	CR-34781
64	WI-3816	CR-34781	F43	2	K44	2	CR-34781
64	WI-3816	CR-34781	F43	2	K44	2	CR-34781
65	WI-3816	CR-34781	K41	4	F41	2	CR-34781
65	WI-3816	CR-34781	K41	4	F41	2	CR-34781
66	WI-3816	CR-34781	F44	2	K44	4	CR-34781
66	WI-3816	CR-34781	F44	2	K44	4	CR-34781
67	WI-3816	CR-34781	K41	6	F42	2	CR-34781
67	WI-3816	CR-34781	K41	6	F42	2	CR-34781
68	WI-3816	CR-34781	F45	2	K44	6	CR-34781
68	WI-3816	CR-34781	F45	2	K44	6	CR-34781
69	WI-3816	CR-34781	K41	1	CH1	3-2	CR-3071
70	WI-3816	CR-34781	K41	1	CH1	1-2	CR-3071
71	WI-3816	CR-34781	K41	3	CH1	1-1	CR-3071
72	WI-3816	CR-34781	K41	3	CH1	2-1	CR-3071
73	WI-3816	CR-34781	K41	5	CH1	2-2	CR-3071
74	WI-3816	CR-34781	K41	5	CH1	3-1	CR-3071
75	WI-3816	CR-3071	CH1	3-2	CH1	4-2	CR-3071
76	WI-3816	CR-3071	CH1	3-1	CH1	4-1	CR-3071
78	WI-33777	CR-3593	K41	A2	K44	A2	CR-3593
79	WI-3816	CR-34781	K44	1	CH1	5-2	CR-3071
80	WI-3816	CR-34781	K44	3	CH1	5-1	CR-3071
81	WI-3816	CR-34781	K44	3	CH1	6-1	CR-3071
82	WI-3816	CR-34781	K44	5	CH1	6-2	CR-3071
91	WI-33777	CR-3593	K44	A2	N7	11	CR-33509
92	WI-33777	CR-34783	TB27	18	N7	12	CR-33509
93	WI-33777	CR-34783	CB-X10	8	N7	31	CR-33509
94	WI-33777	CR-34783	CB-X10	7	N7	32	CR-33509
95	WI-3816	CR-34781	TB1	2	F43	1	CR-34781
95	WI-3816	CR-34781	TB1	2	F43	1	CR-34781
96	WI-3816	CR-34781	TB6	2	F44	1	CR-34781
96	WI-3816	CR-34781	TB6	2	F44	1	CR-34781
97	WI-3816	CR-34781	TB11	2	F45	1	CR-34781
97	WI-3816	CR-34781	TB11	2	F45	1	CR-34781

REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM | WIRING DIAGRAM
10.18 208-240V 3Ph CONVECTION
BY: AFT | DWG: 77529 | SHEET 13 OF 42
DATE: 04/12/12

CONVECTION SYSTEM



5015347 20-10 (EI); 208V 3PH; TOUCH

5015347-1W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
60	WI-3816	CR-34781	TB1	1	F40	2	CR-34781
60	WI-3816	CR-34781	TB1	1	F40	2	CR-34781
61	WI-3816	CR-34781	TB6	1	F41	2	CR-34781
61	WI-3816	CR-34781	TB6	1	F41	2	CR-34781
62	WI-3816	CR-34781	TB11	1	F42	2	CR-34781
62	WI-3816	CR-34781	TB11	1	F42	2	CR-34781
63	WI-3816	CR-34781	K41	2	F40	1	CR-34781
64	WI-3816	CR-34781	K41	4	F41	1	CR-34781
65	WI-3816	CR-34781	K41	6	F42	1	CR-34781
67	WI-3816	CR-34781	K41	1	CH1	1-2	CR-33008
68	WI-3816	CR-34781	K41	3	CH1	1-1	CR-33008
69	WI-3816	CR-34781	K41	3	CH1	2-1	CR-33008
70	WI-3816	CR-34781	K41	5	CH1	2-2	CR-33008
79	WI-33478	CR-3593	K41	A1	K43	A1	CR-3593
80	WI-33777	CR-3593	K41	A2	K43	A2	CR-3593
90	WI-3816	CR-34781	K43	1	CH2	1-2	CR-33008
91	WI-3816	CR-34781	K43	3	CH2	1-1	CR-33008
92	WI-3816	CR-34781	K43	5	CH2	2-1	CR-33008
93	WI-3816	CR-34781	K43	1	CH2	2-2	CR-33008
94	WI-33777	CR-3593	K44	A2	K43	A2	CR-3593
101	WI-3816	CR-34781	K44	5	CH1	3-2	CR-33008
103	WI-3816	CR-34781	K44	1	CH1	3-1	CR-33008
104	WI-3816	CR-34781	K44	3	CH2	3-1	CR-33008
105	WI-3816	CR-34781	K44	5	CH2	3-2	CR-33008
116	WI-33777	CR-3593	K44	A2	N7	11	CR-33509
117	WI-33777	CR-33509	TB27	18	N7	12	CR-33509
118	WI-33777	CR-33509	N7	31	CB-X10	8	CR-34783
119	WI-33777	CR-33509	N7	32	CB-X10	7	CR-34783
121	WI-3816	CR-34781	F40	1	K43	2	CR-34781
122	WI-3816	CR-34781	F41	1	K43	4	CR-34781
123	WI-3816	CR-34781	F42	1	K43	6	CR-34781
124	WI-3816	CR-34781	TB2	1	F43	2	CR-34781
124	WI-3816	CR-34781	TB2	1	F43	2	CR-34781
125	WI-3816	CR-34781	TB7	1	F44	2	CR-34781
125	WI-3816	CR-34781	TB7	1	F44	2	CR-34781
126	WI-3816	CR-34781	TB12	1	F45	2	CR-34781
126	WI-3816	CR-34781	TB12	1	F45	2	CR-34781
127	WI-3816	CR-34781	K44	2	F43	1	CR-34781
129	WI-3816	CR-34781	K44	4	F44	1	CR-34781
131	WI-3816	CR-34781	K44	6	F45	1	CR-34781

REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM

WIRING DIAGRAM

20.10 208V 3PH CONVECTION

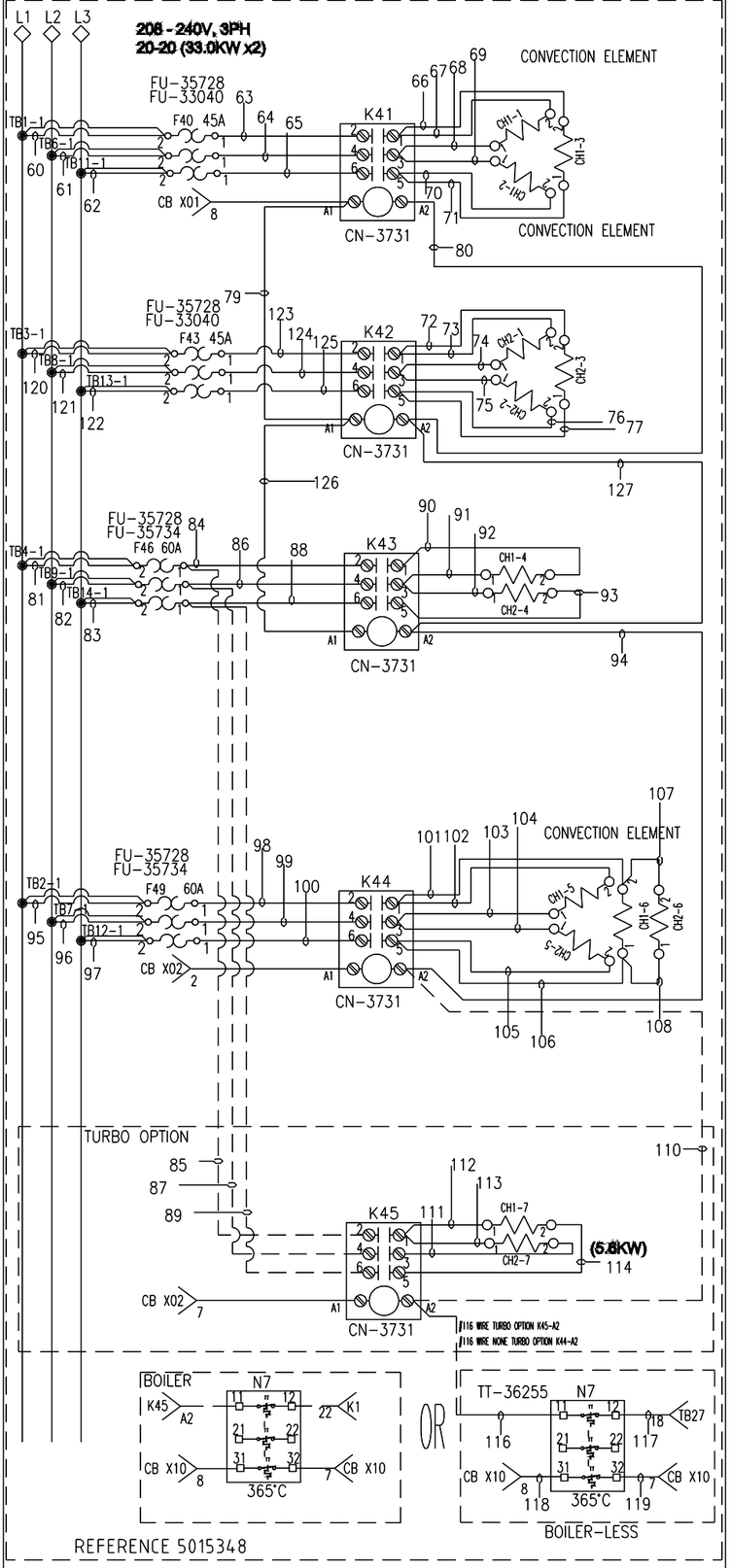
BY: AFT

DATE: 04/12/12

DWG: 77529

SHEET 14 OF 42

CONVECTION SYSTEM



5015348 20-20 (EI); 208V 3PH; TOUCH

5015348-4W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
60	WI-3816	CR-34781	TB1	1	F40	2	CR-34781
60	WI-3816	CR-34781	TB1	1	F40	2	CR-34781
61	WI-3816	CR-34781	TB6	1	F41	2	CR-34781
61	WI-3816	CR-34781	TB6	1	F41	2	CR-34781
62	WI-3816	CR-34781	TB11	1	F42	2	CR-34781
62	WI-3816	CR-34781	TB11	1	F42	2	CR-34781
63	WI-3816	CR-34781	K41	2	F40	1	CR-34781
63	WI-3816	CR-34781	K41	2	F40	1	CR-34781
64	WI-3816	CR-34781	K41	4	F41	1	CR-34781
64	WI-3816	CR-34781	K41	4	F41	1	CR-34781
65	WI-3816	CR-34781	K41	6	F42	1	CR-34781
65	WI-3816	CR-34781	K41	6	F42	1	CR-34781
66	WI-3816	CR-34781	K41	1	CH1	3-2	CR-3071
67	WI-3816	CR-34781	K41	1	CH1	1-2	CR-3071
68	WI-3816	CR-34781	K41	3	CH1	1-1	CR-3071
69	WI-3816	CR-34781	K41	3	CH1	2-1	CR-3071
70	WI-3816	CR-34781	K41	5	CH1	2-2	CR-3071
71	WI-3816	CR-34781	K41	5	CH1	3-1	CR-3071
72	WI-3816	CR-34781	K42	1	CH2	3-2	CR-3071
73	WI-3816	CR-34781	K42	1	CH2	1-2	CR-3071
74	WI-3816	CR-34781	K42	3	CH2	1-1	CR-3071
75	WI-3816	CR-34781	K42	3	CH2	2-1	CR-3071
76	WI-3816	CR-34781	K42	5	CH2	2-2	CR-3071
77	WI-3816	CR-34781	K42	5	CH2	3-1	CR-3071
78	WI-33478	CR-3593	K41	A1	K42	A1	CR-3593
80	WI-33777	CR-3593	K41	A2	K42	A2	CR-3593
81	WI-3816	CR-34781	TB4	1	F46	2	CR-34781
81	WI-3816	CR-34781	TB4	1	F46	2	CR-34781
82	WI-3816	CR-34781	TB9	1	F47	2	CR-34781
82	WI-3816	CR-34781	TB9	1	F47	2	CR-34781
83	WI-3816	CR-34781	TB14	1	F48	2	CR-34781
83	WI-3816	CR-34781	TB14	1	F48	2	CR-34781
84	WI-3816	CR-34781	K43	2	F46	1	CR-34781
85	WI-3816	CR-34781	K43	4	F47	1	CR-34781
86	WI-3816	CR-34781	K43	6	F48	1	CR-34781
90	WI-3816	CR-34781	K43	1	CH1	4-2	CR-3071
91	WI-3816	CR-34781	K43	3	CH1	4-1	CR-3071
92	WI-3816	CR-34781	K43	3	CH2	4-1	CR-3071
93	WI-3816	CR-34781	K43	5	CH2	4-2	CR-3071
94	WI-33777	CR-3593	K44	A2	K43	A2	CR-3593
95	WI-3816	CR-34781	TB2	1	F49	2	CR-34781
95	WI-3816	CR-34781	TB2	1	F49	2	CR-34781
96	WI-3816	CR-34781	TB7	1	F50	2	CR-34781
96	WI-3816	CR-34781	TB7	1	F50	2	CR-34781
97	WI-3816	CR-34781	TB12	1	F51	2	CR-34781
97	WI-3816	CR-34781	TB12	1	F51	2	CR-34781
98	WI-3816	CR-34781	K44	2	F49	1	CR-34781
98	WI-3816	CR-34781	K44	2	F49	1	CR-34781
99	WI-3816	CR-34781	K44	4	F50	1	CR-34781
99	WI-3816	CR-34781	K44	4	F50	1	CR-34781
100	WI-3816	CR-34781	K44	6	F51	1	CR-34781
100	WI-3816	CR-34781	K44	6	F51	1	CR-34781
101	WI-3816	CR-34781	K44	1	CH1	6-2	CR-3071
102	WI-3816	CR-34781	K44	1	CH1	5-2	CR-3071
103	WI-3816	CR-34781	K44	3	CH1	5-1	CR-3071
104	WI-3816	CR-34781	K44	3	CH2	5-1	CR-3071
105	WI-3816	CR-34781	K44	5	CH2	5-2	CR-3071
106	WI-3816	CR-34781	K44	5	CH1	6-1	CR-3071
107	WI-3816	CR-3071	CH1	6-2	CH2	6-2	CR-3071
108	WI-3816	CR-3071	CH1	6-1	CH2	6-1	CR-3071
116	WI-33777	CR-33509	K44	A2	N7	11	CR-33509
117	WI-33777	CR-33509	TB27	18	N7	12	CR-33509
118	WI-33777	CR-33509	N7	21	CB-X10	8	CR-34783
119	WI-33777	CR-33509	N7	22	CB-X10	7	CR-34783
120	WI-3816	CR-34781	TB3	1	F43	2	CR-34781
120	WI-3816	CR-34781	TB3	1	F43	2	CR-34781
121	WI-3816	CR-34781	TB8	1	F44	2	CR-34781
121	WI-3816	CR-34781	TB8	1	F44	2	CR-34781
122	WI-3816	CR-34781	TB13	1	F45	2	CR-34781
122	WI-3816	CR-34781	TB13	1	F45	2	CR-34781
123	WI-3816	CR-34781	K42	2	F43	1	CR-34781
123	WI-3816	CR-34781	K42	2	F43	1	CR-34781
124	WI-3816	CR-34781	K42	4	F44	1	CR-34781
124	WI-3816	CR-34781	K42	4	F44	1	CR-34781
125	WI-3816	CR-34781	K42	6	F45	1	CR-34781
125	WI-3816	CR-34781	K42	6	F45	1	CR-34781
126	WI-33478	CR-3593	K43	A1	K42	A1	CR-3593
127	WI-33777	CR-3593	K42	A2	K43	A2	CR-3593

REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM

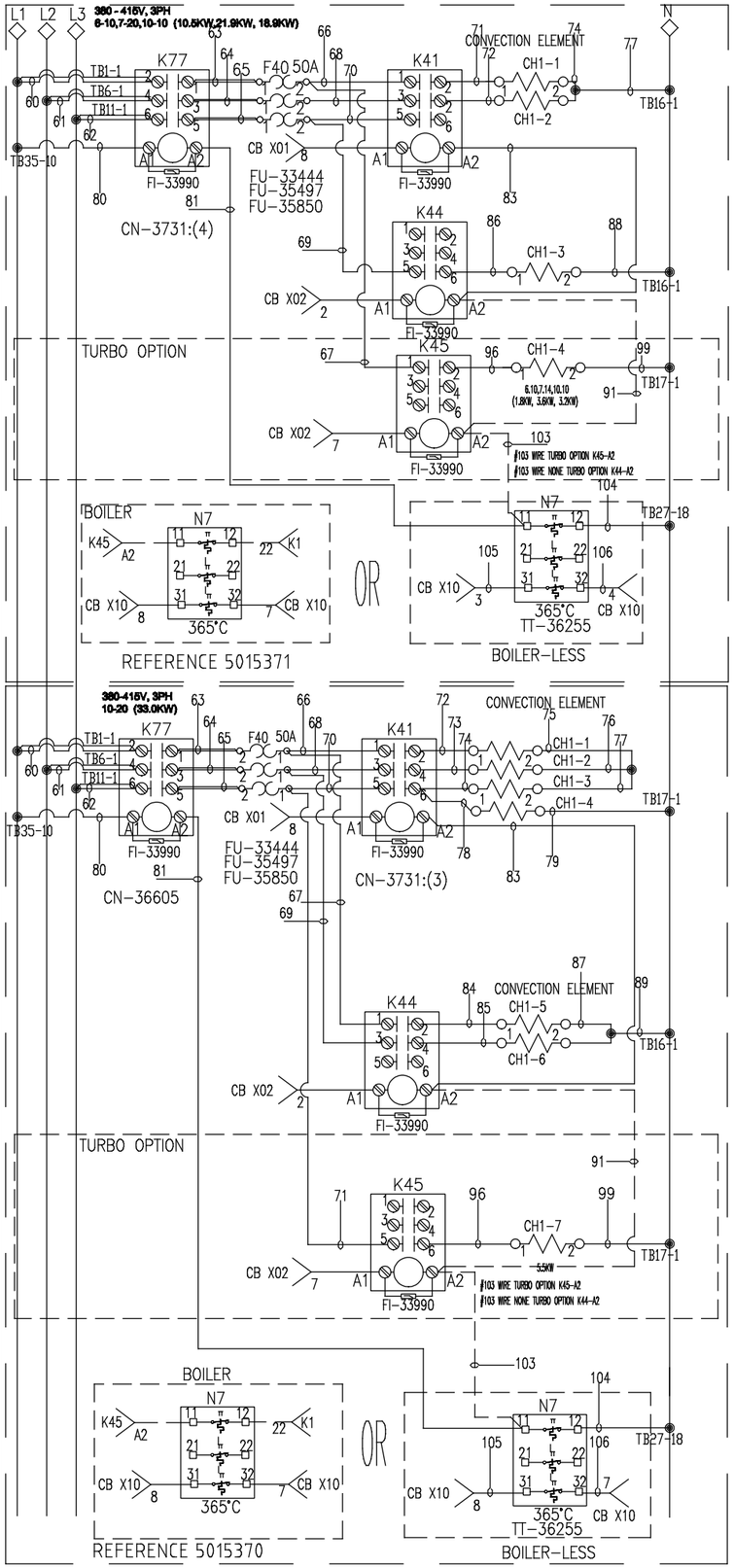
WIRING DIAGRAM

20.20.208V 3PH CONVECTION

BY: AFT | DWG: 77529 | SHEET 15 OF 42

DATE: 04/12/12

CONVECTION SYSTEM



5015371 6-10,10-10,7-20 (EI); 380V 3PH; TOUCH

5015371-4W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
60	WI-3816	CR-34781	TB1	1	K77	2	CR-34781
60	WI-3816	CR-34781	TB1	1	K77	2	CR-34781
61	WI-3816	CR-34781	TB6	1	K77	4	CR-34781
61	WI-3816	CR-34781	TB6	1	K77	4	CR-34781
62	WI-3816	CR-34781	TB11	1	K77	6	CR-34781
62	WI-3816	CR-34781	TB11	1	K77	6	CR-34781
63	WI-3816	CR-34775	F40	1	K77	1	CR-34781
63	WI-3816	CR-34775	F40	1	K77	1	CR-34781
64	WI-3816	CR-34775	F41	1	K77	3	CR-34781
64	WI-3816	CR-34775	F41	1	K77	3	CR-34781
65	WI-3816	CR-34775	F42	1	K77	5	CR-34781
65	WI-3816	CR-34775	F42	1	K77	5	CR-34781
66	WI-3816	CR-34775	F40	2	K41	1	CR-34781
68	WI-3816	CR-34775	F41	2	K41	3	CR-34781
69	WI-3816	CR-34775	F42	2	K44	5	CR-34781
70	WI-3816	CR-34775	F42	2	K41	5	CR-34781
71	WI-3816	CR-34781	K41	2	CH1	1-1	CR-33008
72	WI-3816	CR-34781	K41	4	CH1	2-1	CR-33008
74	WI-3816	CR-33008	CH1	1-2	CH1	2-2	CR-33008
77	WI-3816	CR-33008	CH1	2-2	TB16	1	CR-34781
80	WI-33478	CR-34783	TB35	10	K77	A1	CR-3593
81	WI-33777	CR-3593	K77	A2	N7	11	CR-33509
83	WI-33777	CR-3593	K41	A2	K44	A2	CR-3593
86	WI-3816	CR-34781	K44	6	CH1	3-1	CR-33008
88	WI-3816	CR-33008	CH1	3-2	TB16	1	CR-34781
103	WI-33777	CR-3593	K44	A2	N7	11	CR-34774
104	WI-33777	CR-33509	N7	12	TB17	18	CR-34783
105	WI-33777	CR-33509	N7	31	CB-X10	8	CR-34783
106	WI-33777	CR-33509	N7	32	CB-X10	7	CR-34783

5015370 10-20 (EI); 380V 3PH; TOUCH

5015370-4W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
60	WI-3816	CR-34781	TB1	1	K77	2	CR-34781
60	WI-3816	CR-34781	TB1	1	K77	2	CR-34781
61	WI-3816	CR-34781	TB6	1	K77	4	CR-34781
61	WI-3816	CR-34781	TB6	1	K77	4	CR-34781
62	WI-3816	CR-34781	TB11	1	K77	6	CR-34781
62	WI-3816	CR-34781	TB11	1	K77	6	CR-34781
63	WI-3816	CR-34775	F40	2	K77	1	CR-34781
63	WI-3816	CR-34775	F40	2	K77	1	CR-34781
64	WI-3816	CR-34775	F41	2	K77	3	CR-34781
64	WI-3816	CR-34775	F41	2	K77	3	CR-34781
65	WI-3816	CR-34775	F42	2	K77	5	CR-34781
65	WI-3816	CR-34775	F42	2	K77	5	CR-34781
66	WI-3816	CR-34775	F40	1	K41	1	CR-34775
67	WI-3816	CR-34781	K44	1	F40	1	CR-34775
68	WI-3816	CR-34775	F41	1	K41	3	CR-34781
69	WI-3816	CR-34781	K44	3	F41	1	CR-34775
70	WI-3816	CR-34775	F42	1	K41	5	CR-34781
72	WI-3816	CR-34781	K41	2	CH1	1-1	CR-3071
73	WI-3816	CR-34781	K41	4	CH1	2-1	CR-3071
74	WI-3816	CR-34781	K41	6	CH1	3-1	CR-3071
75	WI-3816	CR-3071	CH1	2-2	CH1	1-2	CR-3071
76	WI-3816	CR-3071	CH1	2-2	CH1	3-2	CR-3071
77	WI-3816	CR-3071	TB17	1	CH1	1-2	CR-3071
78	WI-3816	CR-34781	K41	6	CH1	4-1	CR-3071
79	WI-3816	CR-34781	TB17	1	CH1	4-2	CR-3071
80	WI-33478	CR-34783	TB35	10	K77	A1	CR-3593
81	WI-33777	CR-3593	K77	A2	N7	11	CR-33509
83	WI-33777	CR-3593	K41	A2	K44	A2	CR-3593
84	WI-3816	CR-34781	K44	2	CH1	5-1	CR-3071
85	WI-3816	CR-34781	K44	4	CH1	6-1	CR-3071
87	WI-3816	CR-3071	CH1	5-2	CH1	6-2	CR-3071
89	WI-3816	CR-3071	CH1	5-2	TB16	1	CR-34781
103	WI-33777	CR-3593	K44	A2	N7	11	CR-34774
104	WI-33777	CR-33509	N7	12	TB27	18	CR-3593
105	WI-33777	CR-33509	N7	31	CB-X10	8	CR-34783
106	WI-33777	CR-33509	N7	32	CB-X10	7	CR-34783

REV	ECO	DESCRIPTION	DATE	APP

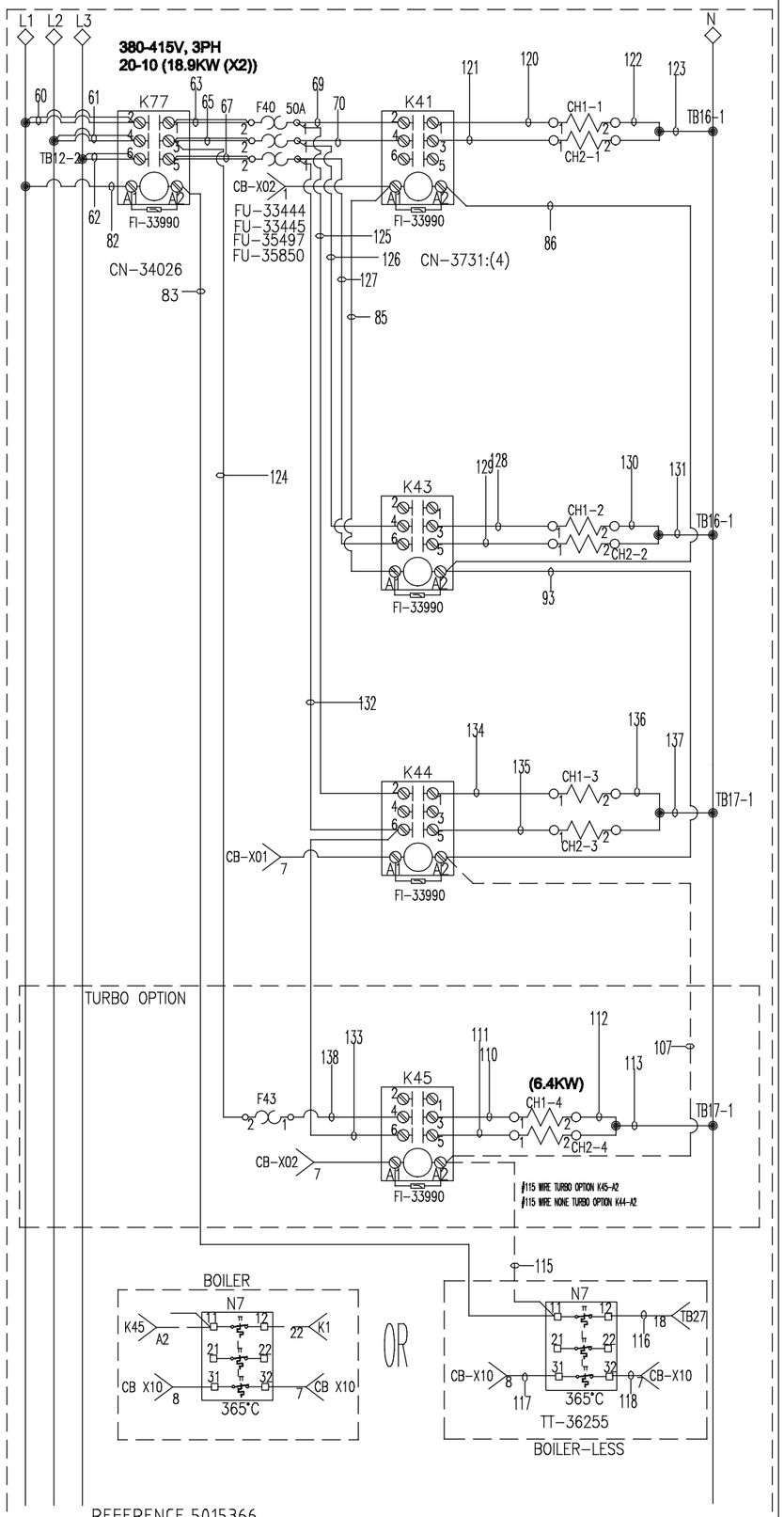
ALTO-SHAAM — WIRING DIAGRAM

6,10 TO 10,18 380-415V 3PH 50HZ CONVECTION

BY: AFT | DWG: 77529 | SHEET 16 OF 42

DATE: 04/12/12

CONVECTION SYSTEM



5015366 20-10 (EI); 380V 3PH; TOUCH

5015366-3W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
107	WI-33777	CR-3593	K44	A2	K45	A2	CR-3593
60	WI-3816	CR-34781	TB2	2	K77	2	CR-34781
61	WI-3816	CR-34781	TB7	2	K77	4	CR-34781
61	WI-3816	CR-34781	TB7	2	K77	4	CR-34781
62	WI-3816	CR-34781	TB12	2	K77	6	CR-34781
62	WI-3816	CR-34781	TB12	2	K77	6	CR-34781
63	WI-3816	CR-34775	F40	2	K77	1	CR-34781
63	WI-3816	CR-34775	F40	2	K77	1	CR-34781
65	WI-3816	CR-34775	F41	2	K77	3	CR-34781
65	WI-3816	CR-34775	F41	2	K77	3	CR-34781
67	WI-3816	CR-34775	F42	2	K77	5	CR-34781
67	WI-3816	CR-34775	F42	2	K77	5	CR-34781
69	WI-3816	CR-34775	F40	1	K41	2	CR-34781
70	WI-3816	CR-34775	F41	1	K41	4	CR-34781
82	WI-33478	CR-34783	TB35	10	K77	A1	CR-3593
83	WI-33777	CR-3593	K77	A2	N7	11	CR-33509
85	WI-33478	CR-3593	K41	A1	K43	A1	CR-3593
86	WI-33777	CR-3593	K41	A2	K43	A2	CR-3593
93	WI-33777	CR-3593	K43	A2	K44	A2	CR-3593
115	WI-33777	CR-3593	K44	A2	N7	11	CR-34774
116	WI-33777	CR-3593	TB27	18	N7	12	CR-33509
117	WI-33777	CR-33509	N7	31	CB-X10	8	CR-34783
118	WI-33777	CR-33509	N7	32	CB-X10	7	CR-34783
120	WI-3816	CR-34781	K41	1	CH1	1-1	CR-33008
121	WI-3816	CR-34781	K41	3	CH2	1-1	CR-33008
122	WI-3816	CR-33008	CH1	1-2	CH2	1-2	CR-33008
123	WI-3816	CR-33008	CH2	1-2	TB16	1	CR-33008
124	WI-3816	CR-34781	K77	3	F43	2	CR-34775
125	WI-3816	CR-34775	F40	1	K44	2	CR-34781
126	WI-3816	CR-34775	F41	1	K43	4	CR-34781
127	WI-3816	CR-34775	F42	1	K43	6	CR-34781
128	WI-3816	CR-34781	K43	3	CH1	2-1	CR-33008
129	WI-3816	CR-34781	K43	5	CH2	2-1	CR-33008
130	WI-3816	CR-33008	CH1	2-2	CH2	2-2	CR-33008
131	WI-3816	CR-33008	CH2	2-2	TB16	1	CR-34781
132	WI-3816	CR-34775	F42	1	K44	6	CR-34781
134	WI-3816	CR-34781	K44	1	CH1	3-1	CR-33008
135	WI-3816	CR-34781	K44	5	CH2	3-1	CR-33008
136	WI-3816	CR-33008	CH1	3-2	CH2	3-2	CR-33008
137	WI-3816	CR-33008	CH2	3-2	TB17	1	CR-34781

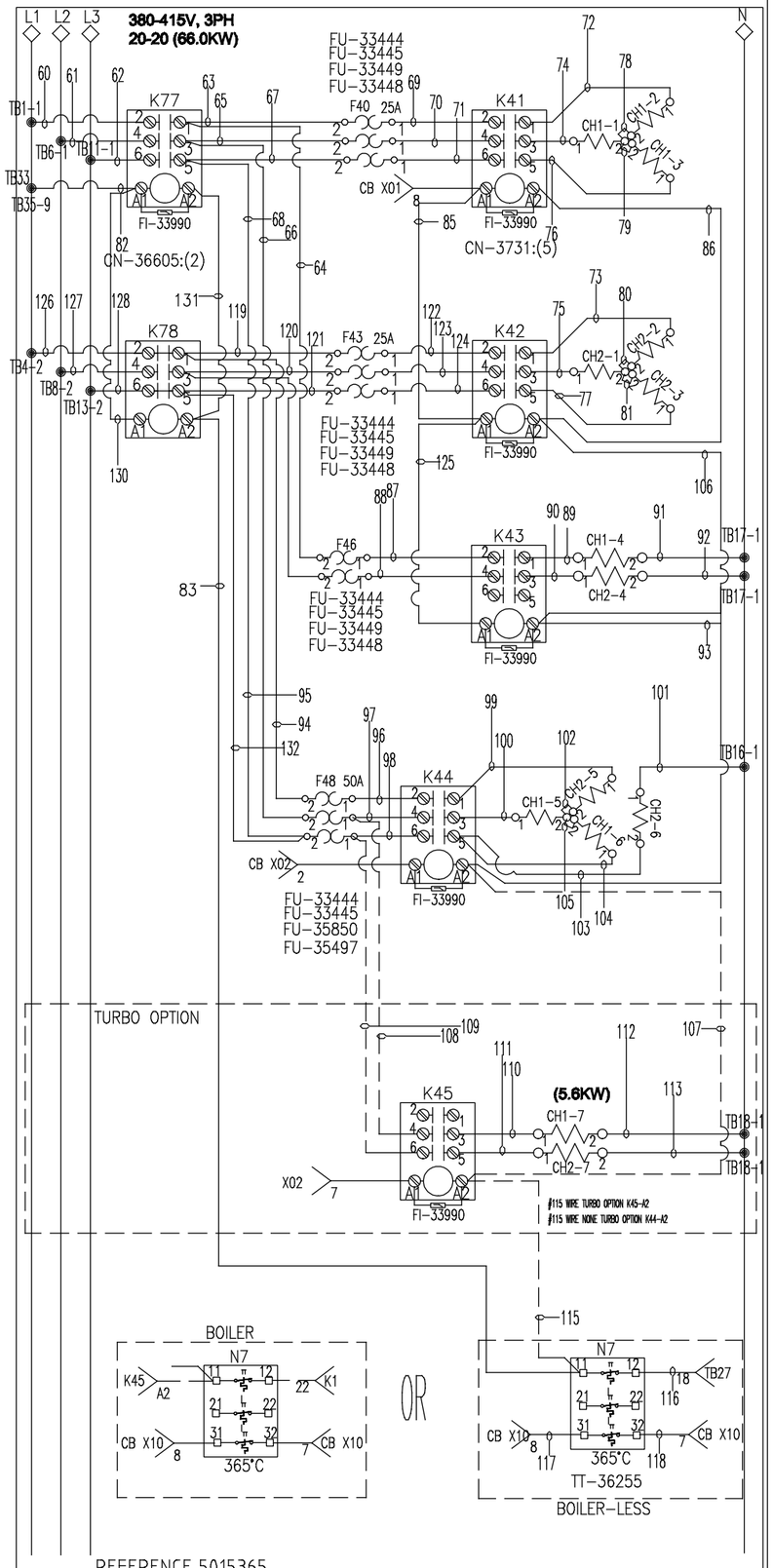
REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM — WIRING DIAGRAM
20.10 380-415V 3Ph 50Hz CONVECTION

BY:	AFT	DWG:	77529	SHEET
DATE:	04/12/12			17 OF 42

CONVECTION SYSTEM

5015365 20-20 (EI); 380V 3PH; TOUCH



5015365-4W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
60	WI-3816	CR-34781	TB3	2	K77	2	CR-34781
60	WI-3816	CR-34781	TB3	2	K77	2	CR-34781
61	WI-3816	CR-34781	TB7	2	K77	4	CR-34781
61	WI-3816	CR-34781	TB7	2	K77	4	CR-34781
62	WI-3816	CR-34781	TB12	2	K77	6	CR-34781
62	WI-3816	CR-34781	TB12	2	K77	6	CR-34781
63	WI-3816	CR-34775	F40	2	K77	1	CR-34781
64	WI-3816	CR-34781	K77	1	F46	2	CR-34775
65	WI-3816	CR-34775	F41	2	K77	3	CR-34781
66	WI-3816	CR-34781	K77	3	F49	2	CR-34775
67	WI-3816	CR-34775	F42	1	K77	5	CR-34781
68	WI-3816	CR-34781	K77	5	F50	2	CR-34775
69	WI-3816	CR-34775	F40	1	K41	2	CR-34781
70	WI-3816	CR-34775	F41	1	K41	4	CR-34781
70	WI-3816	CR-34775	F41	1	K41	4	CR-34781
71	WI-3816	CR-34775	F42	1	K41	6	CR-34781
71	WI-3816	CR-34775	F42	1	K41	6	CR-34781
72	WI-3816	CR-34781	K41	1	CH1	2-1	CR-3071
73	WI-3816	CR-34781	K42	1	CH2	2-1	CR-3071
74	WI-3816	CR-34781	K41	3	CH1	1-1	CR-3071
75	WI-3816	CR-34781	K42	3	CH2	1-1	CR-3071
76	WI-3816	CR-34781	K41	5	CH1	3-1	CR-3071
77	WI-3816	CR-34781	K42	5	CH2	3-1	CR-3071
78	WI-3816	CR-3071	CH1	1-2	CH1	2-2	CR-3071
79	WI-3816	CR-3071	CH1	1-2	CH1	3-2	CR-3071
80	WI-3816	CR-3071	CH2	1-2	CH2	2-2	CR-3071
81	WI-3816	CR-3071	CH2	1-2	CH2	3-2	CR-3071
82	WI-33478	CR-34783	TB35	9	K77	A1	CR-3593
83	WI-33777	CR-3593	K78	A2	N7	11	CR-33509
85	WI-33478	CR-3593	K41	A1	K42	A1	CR-3593
86	WI-33777	CR-3593	K41	A2	K42	A2	CR-3593
87	WI-3816	CR-34775	F46	1	K43	2	CR-34781
88	WI-3816	CR-34775	F47	1	K43	4	CR-34781
89	WI-3816	CR-34781	K43	1	CH1	4-1	CR-3071
90	WI-3816	CR-34781	K43	3	CH2	4-1	CR-3071
91	WI-3816	CR-3071	CH1	4-2	TB17	1	CR-34781
92	WI-3816	CR-3071	CH2	4-2	TB17	1	CR-34781
93	WI-33777	CR-3593	K43	A2	K44	A2	CR-3593
94	WI-3816	CR-34781	K78	1	F48	2	CR-34775
95	WI-3816	CR-34781	K78	3	F47	2	CR-34775
96	WI-3816	CR-34775	F48	1	K44	2	CR-34781
97	WI-3816	CR-34775	F49	1	K44	4	CR-34781
98	WI-3816	CR-34775	F50	1	K44	6	CR-34781
99	WI-3816	CR-34781	K44	1	CH2	5-1	CR-3071
100	WI-3816	CR-34781	K44	3	CH1	5-1	CR-3071
101	WI-3816	CR-3071	CH2	6-1	TB16	1	CR-34781
102	WI-3816	CR-3071	CH1	5-2	CH2	5-2	CR-3071
103	WI-3816	CR-34781	K44	5	CH2	6-2	CR-3071
104	WI-3816	CR-34781	K44	5	CH1	6-1	CR-3071
105	WI-3816	CR-3071	CH1	5-2	CH1	6-2	CR-3071
106	WI-33777	CR-3593	K42	A2	K43	A2	CR-3593
115	WI-33777	CR-3593	K44	A2	N7	11	CR-34774
116	WI-33777	CR-34783	TB27	18	N7	12	CR-33509
117	WI-33777	CR-33509	N7	31	CB-X10	8	CR-34783
118	WI-33777	CR-33509	N7	32	CB-X10	7	CR-34783
119	WI-3816	CR-34781	K78	1	F43	2	CR-34781
120	WI-3816	CR-34781	K78	3	F44	2	CR-34781
121	WI-3816	CR-34781	K78	5	F45	2	CR-34781
122	WI-3816	CR-34781	K42	2	F43	1	CR-34781
123	WI-3816	CR-34781	K42	4	F44	1	CR-34781
124	WI-3816	CR-34781	K42	6	F45	1	CR-34781
125	WI-33478	CR-3593	K42	A1	K43	A1	CR-3593
126	WI-3816	CR-34781	TB4	2	K78	2	CR-34781
126	WI-3816	CR-34781	TB4	2	K78	2	CR-34781
127	WI-3816	CR-34781	TB8	2	K78	4	CR-34781
127	WI-3816	CR-34781	TB8	2	K78	4	CR-34781
128	WI-3816	CR-34781	TB13	2	K78	6	CR-34781
128	WI-3816	CR-34781	TB13	2	K78	6	CR-34781
130	WI-33478	CR-3593	K77	A1	K78	A1	CR-3593
131	WI-33777	CR-3593	K77	A2	K78	A2	CR-3593
132	WI-3816	CR-34781	K78	5	F50	2	CR-34775
127	WI-3816	CR-34781	TB8	2	K77	4	CR-34781
128	WI-3816	CR-34781	TB13	2	K77	6	CR-34781
128	WI-3816	CR-34781	TB13	2	K77	6	CR-34781

REV	ECO	DESCRIPTION	DATE	APP

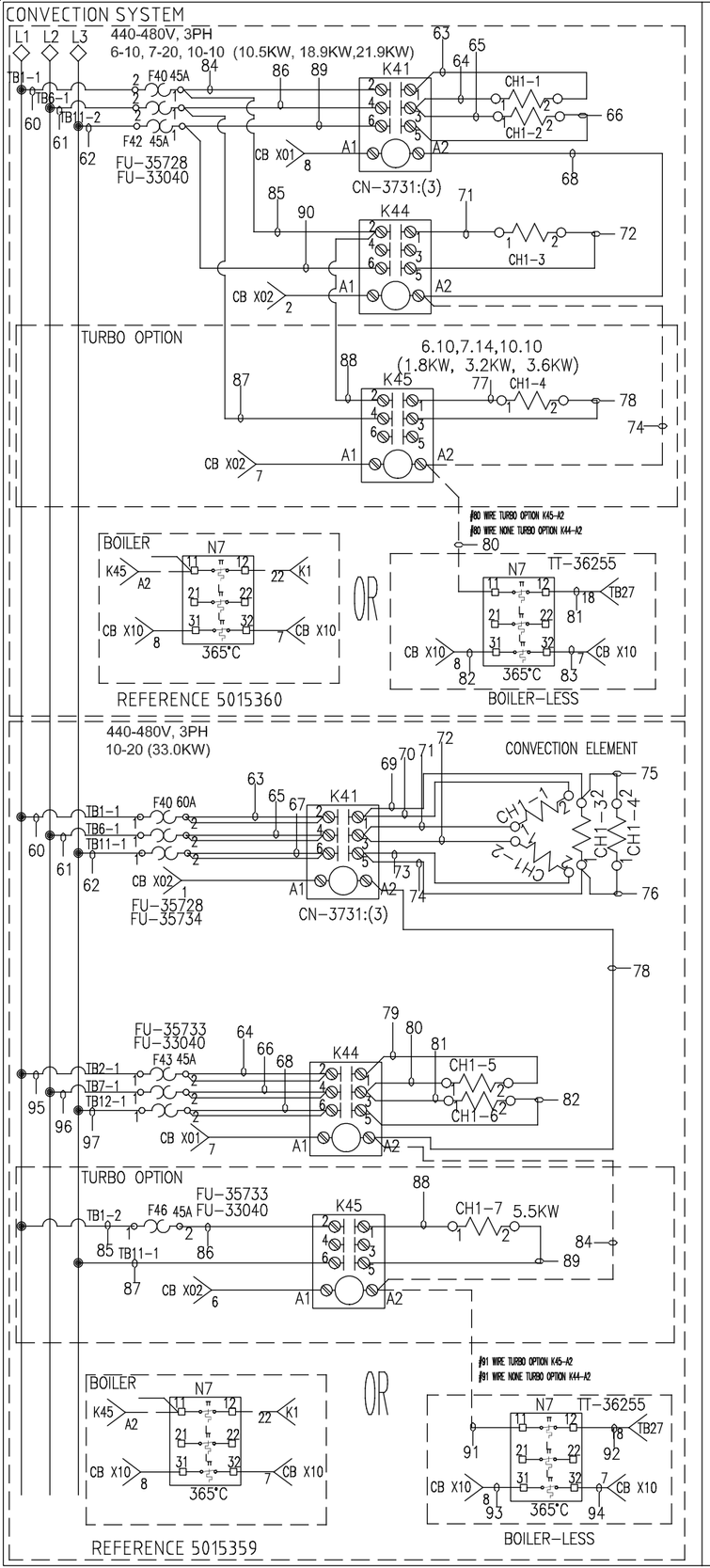
ALTO-SHAAM

WIRING DIAGRAM

20.20-380V 3Ph 50Hz CONVECTION

BY: AFT | DWG: 77529 | SHEET 18 OF 42

DATE: 04/12/12



5015360 6-10,10-10,7-20 (EI); 440V 3PH; TOUCH

5015360-2W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
60	WI-3816	CR-34781	TB1	1	F40	2	CR-34781
61	WI-3816	CR-34781	TB6	1	F41	2	CR-34781
62	WI-3816	CR-34781	TB11	1	F42	2	CR-34781
63	WI-3816	CR-34781	K41	1	CH1	1-2	CR-33008
64	WI-3816	CR-34781	K41	3	CH1	1-1	CR-33008
65	WI-3816	CR-34781	K41	3	CH1	2-1	CR-33008
66	WI-3816	CR-34781	K41	5	CH1	2-2	CR-33008
68	WI-33777	CR-3593	K41	A2	K44	A2	CR-3593
71	WI-3816	CR-34781	K44	1	CH1	3-1	CR-33008
72	WI-3816	CR-34781	K44	5	CH1	3-2	CR-33008
80	WI-33777	CR-3593	K44	A2	N7	11	CR-33509
81	WI-33777	CR-33509	TB27	18	N7	12	CR-33509
82	WI-33777	CR-33509	N7	31	CB-X10	8	CR-34783
83	WI-33777	CR-33509	N7	32	CB-X10	7	CR-34783
84	WI-3816	CR-34781	F40	1	K41	2	CR-34781
85	WI-3816	CR-34781	F40	1	K44	2	CR-34781
86	WI-3816	CR-34781	F41	1	K41	4	CR-34781
89	WI-3816	CR-34781	F42	1	K41	6	CR-34781
90	WI-3816	CR-34781	F42	1	K44	6	CR-34781

5015359 10-20 (EI); 440V 3PH; TOUCH

5015359-4W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
60	WI-3816	CR-34781	TB1	1	F40	1	CR-34781
60	WI-3816	CR-34781	TB1	1	F40	1	CR-34781
61	WI-3816	CR-34781	TB6	1	F41	1	CR-34781
61	WI-3816	CR-34781	TB6	1	F41	1	CR-34781
62	WI-3816	CR-34781	TB11	1	F42	1	CR-34781
62	WI-3816	CR-34781	TB11	1	F42	1	CR-34781
63	WI-3816	CR-34781	K41	2	F40	2	CR-34781
63	WI-3816	CR-34781	K41	2	F40	2	CR-34781
64	WI-3816	CR-34781	F43	2	K44	2	CR-34781
64	WI-3816	CR-34781	F43	2	K44	2	CR-34781
65	WI-3816	CR-34781	K41	4	F41	2	CR-34781
65	WI-3816	CR-34781	K41	4	F41	2	CR-34781
66	WI-3816	CR-34781	F44	2	K44	4	CR-34781
66	WI-3816	CR-34781	F44	2	K44	4	CR-34781
67	WI-3816	CR-34781	K41	6	F42	2	CR-34781
67	WI-3816	CR-34781	K41	6	F42	2	CR-34781
68	WI-3816	CR-34781	F45	2	K44	6	CR-34781
68	WI-3816	CR-34781	F45	2	K44	6	CR-34781
69	WI-3816	CR-34781	K41	1	CH1	3-2	CR-3071
70	WI-3816	CR-34781	K41	1	CH1	1-2	CR-3071
71	WI-3816	CR-34781	K41	3	CH1	1-1	CR-3071
72	WI-3816	CR-34781	K41	3	CH1	2-1	CR-3071
73	WI-3816	CR-34781	K41	5	CH1	2-2	CR-3071
74	WI-3816	CR-34781	K41	5	CH1	3-1	CR-3071
75	WI-3816	CR-3071	CH1	3-2	CH1	4-2	CR-3071
76	WI-3816	CR-3071	CH1	3-1	CH1	4-1	CR-3071
78	WI-33777	CR-3593	K41	A2	K44	A2	CR-3593
79	WI-3816	CR-34781	K44	1	CH1	5-2	CR-3071
80	WI-3816	CR-34781	K44	3	CH1	5-1	CR-3071
81	WI-3816	CR-34781	K44	3	CH1	6-1	CR-3071
82	WI-3816	CR-34781	K44	5	CH1	6-2	CR-3071
91	WI-33777	CR-3593	K44	A2	N7	11	CR-33509
92	WI-33777	CR-34783	TB27	18	N7	12	CR-33509
93	WI-33777	CR-34783	CB-X10	8	N7	31	CR-33509
94	WI-33777	CR-34783	CB-X10	7	N7	32	CR-33509
95	WI-3816	CR-34781	TB2	1	F43	1	CR-34781
95	WI-3816	CR-34781	TB2	1	F43	1	CR-34781
96	WI-3816	CR-34781	TB7	1	F44	1	CR-34781
96	WI-3816	CR-34781	TB7	1	F44	1	CR-34781
97	WI-3816	CR-34781	TB12	2	F45	1	CR-34781
97	WI-3816	CR-34781	TB12	2	F45	1	CR-34781

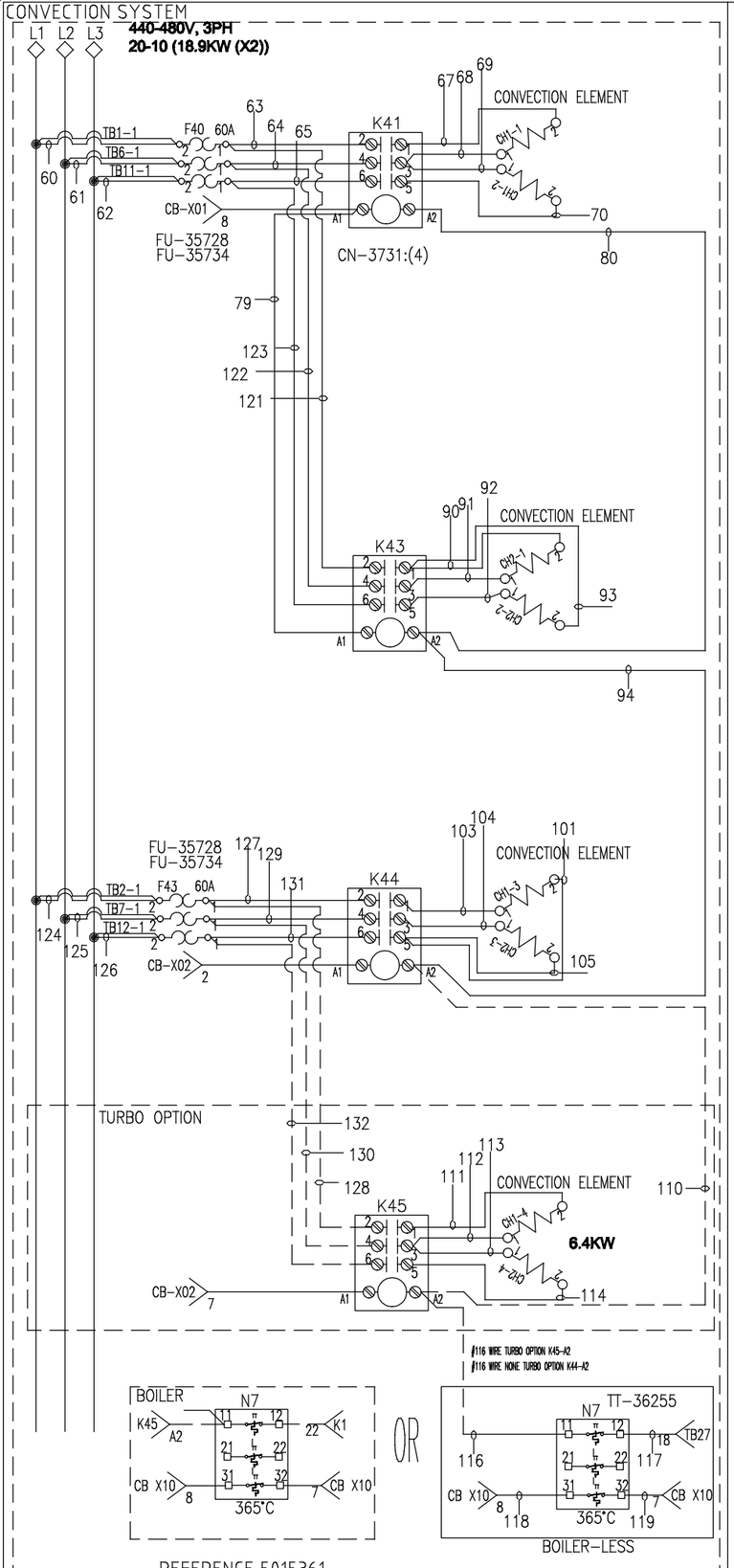
REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM

WIRING DIAGRAM

6.10,UP-TO10.18,440V 3PH 60Hz CONVECTION

BY:	AFT	DWG:	77529	SHEET
DATE:	04/12/12			19 OF 42



5015361 20-10 (EI); 440V 3PH; TOUCH

5015361-1W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
60	WI-3816	CR-34781	TB1	1	F40	2	CR-34781
60	WI-3816	CR-34781	TB1	1	F40	2	CR-34781
61	WI-3816	CR-34781	TB6	1	F41	2	CR-34781
61	WI-3816	CR-34781	TB6	1	F41	2	CR-34781
62	WI-3816	CR-34781	TB11	1	F42	2	CR-34781
62	WI-3816	CR-34781	TB11	1	F42	2	CR-34781
63	WI-3816	CR-34781	K41	2	F40	1	CR-34781
64	WI-3816	CR-34781	K41	4	F41	1	CR-34781
65	WI-3816	CR-34781	K41	6	F42	1	CR-34781
67	WI-3816	CR-34781	K41	1	CH1	1-2	CR-33008
68	WI-3816	CR-34781	K41	3	CH1	1-1	CR-33008
69	WI-3816	CR-34781	K41	3	CH1	2-1	CR-33008
70	WI-3816	CR-34781	K41	5	CH1	2-2	CR-33008
79	WI-33478	CR-3593	K41	A1	K43	A1	CR-3593
80	WI-33777	CR-3593	K41	A2	K43	A2	CR-3593
90	WI-3816	CR-34781	K43	1	CH2	1-2	CR-33008
91	WI-3816	CR-34781	K43	3	CH2	1-1	CR-33008
92	WI-3816	CR-34781	K43	5	CH2	2-1	CR-33008
93	WI-3816	CR-34781	K43	1	CH2	2-2	CR-33008
94	WI-33777	CR-3593	K44	A2	K43	A2	CR-3593
101	WI-3816	CR-34781	K44	5	CH1	3-2	CR-33008
103	WI-3816	CR-34781	K44	1	CH1	3-1	CR-33008
104	WI-3816	CR-34781	K44	3	CH2	3-1	CR-33008
105	WI-3816	CR-34781	K44	5	CH2	3-2	CR-33008
116	WI-33777	CR-3593	K44	A2	N7	11	CR-33509
117	WI-33777	CR-33509	TB27	18	N7	12	CR-33509
118	WI-33777	CR-33509	N7	31	CB-X10	8	CR-34783
119	WI-33777	CR-33509	N7	32	CB-X10	7	CR-34783
121	WI-3816	CR-34781	F40	1	K43	2	CR-34781
122	WI-3816	CR-34781	F41	1	K43	4	CR-34781
123	WI-3816	CR-34781	F42	1	K43	6	CR-34781
124	WI-3816	CR-34781	TB2	1	F43	2	CR-34781
124	WI-3816	CR-34781	TB2	1	F43	2	CR-34781
125	WI-3816	CR-34781	TB7	1	F44	2	CR-34781
125	WI-3816	CR-34781	TB7	1	F44	2	CR-34781
126	WI-3816	CR-34781	TB12	1	F45	2	CR-34781
126	WI-3816	CR-34781	TB12	1	F45	2	CR-34781
127	WI-3816	CR-34781	K44	2	F43	1	CR-34781
129	WI-3816	CR-34781	K44	4	F44	1	CR-34781
131	WI-3816	CR-34781	K44	6	F45	1	CR-34781

REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM

WIRING DIAGRAM

20.10 440V 3Ph 60Hz CONVECTION

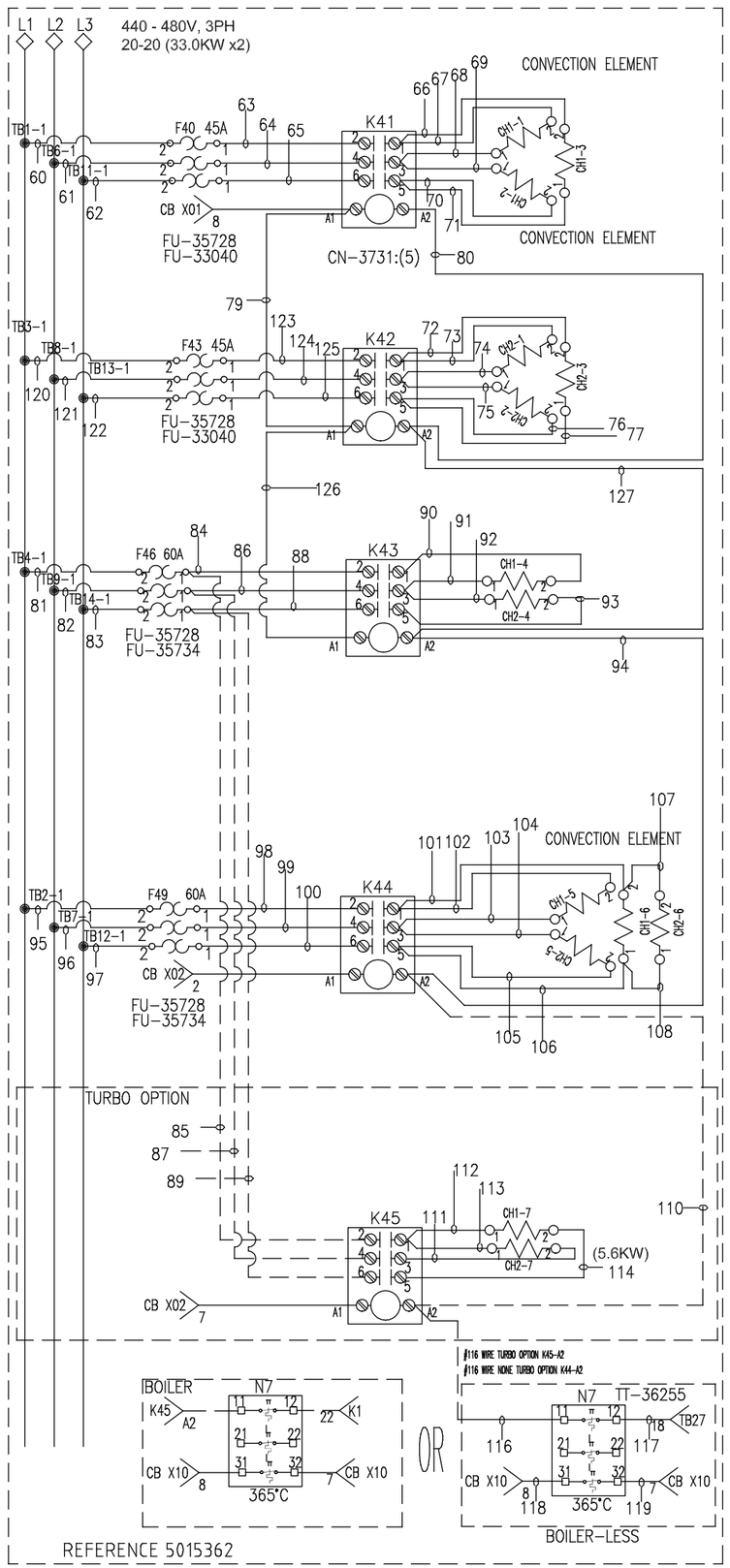
BY: AFT

DWG: 77529

SHEET 20 OF 42

DATE: 04/12/12

CONVECTION SYSTEM



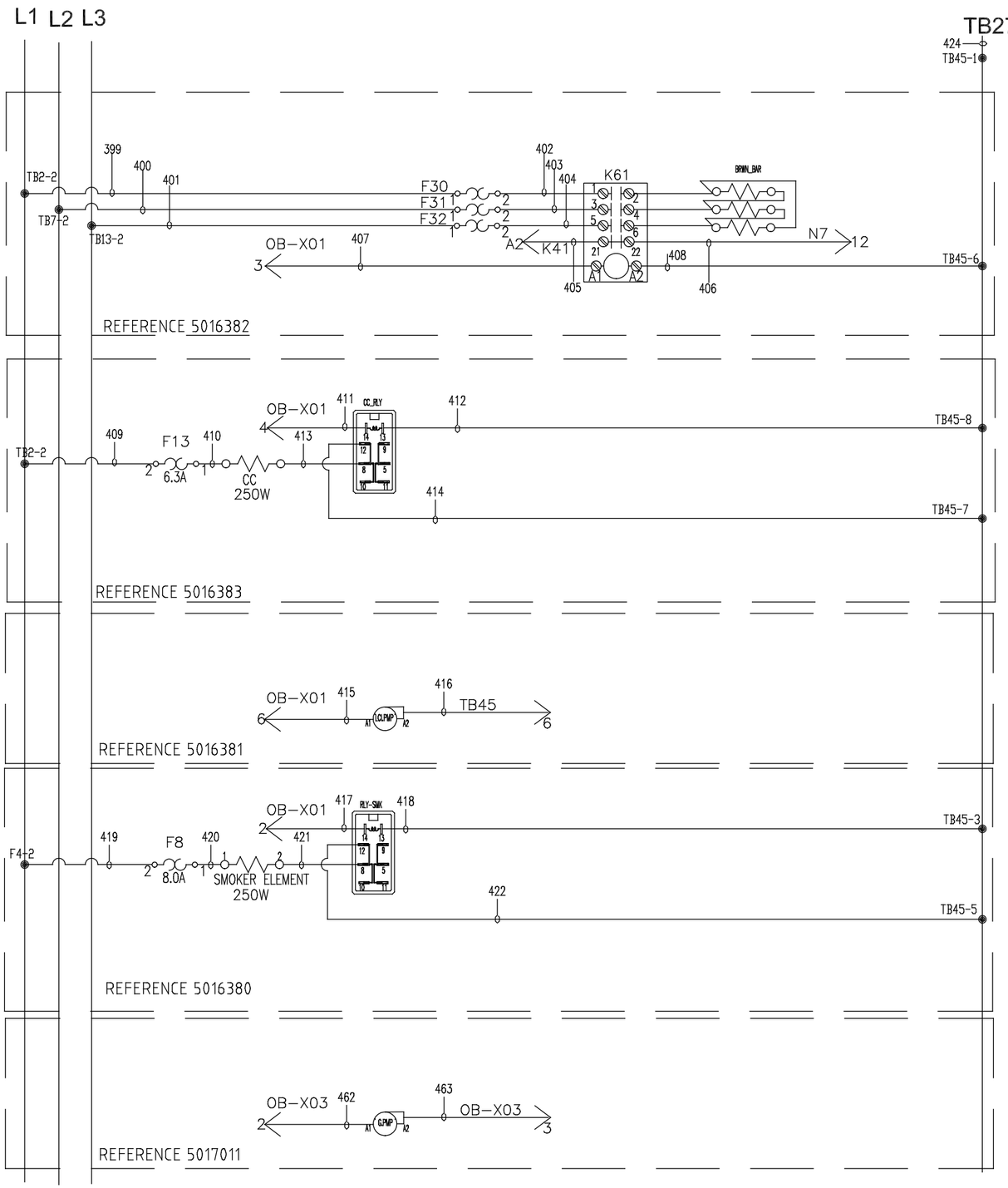
5015362 20-20 (EI); 440V 3PH; TOUCH

5015362-4W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
60	WI-3816	CR-34781	TB1	1	F40	2	CR-34781
60	WI-3816	CR-34781	TB1	1	F40	2	CR-34781
61	WI-3816	CR-34781	TB6	1	F41	2	CR-34781
61	WI-3816	CR-34781	TB6	1	F41	2	CR-34781
62	WI-3816	CR-34781	TB11	1	F42	2	CR-34781
62	WI-3816	CR-34781	TB11	1	F42	2	CR-34781
63	WI-3816	CR-34781	K41	2	F40	1	CR-34781
63	WI-3816	CR-34781	K41	2	F40	1	CR-34781
64	WI-3816	CR-34781	K41	4	F41	1	CR-34781
64	WI-3816	CR-34781	K41	4	F41	1	CR-34781
65	WI-3816	CR-34781	K41	6	F42	1	CR-34781
65	WI-3816	CR-34781	K41	6	F42	1	CR-34781
66	WI-3816	CR-34781	K41	1	CH1	3-2	CR-3071
67	WI-3816	CR-34781	K41	1	CH1	1-2	CR-3071
68	WI-3816	CR-34781	K41	3	CH1	1-1	CR-3071
69	WI-3816	CR-34781	K41	3	CH1	2-1	CR-3071
70	WI-3816	CR-34781	K41	5	CH1	2-2	CR-3071
71	WI-3816	CR-34781	K41	5	CH1	3-1	CR-3071
72	WI-3816	CR-34781	K42	1	CH2	3-2	CR-3071
73	WI-3816	CR-34781	K42	1	CH2	1-2	CR-3071
74	WI-3816	CR-34781	K42	3	CH2	1-1	CR-3071
75	WI-3816	CR-34781	K42	3	CH2	2-1	CR-3071
76	WI-3816	CR-34781	K42	5	CH2	2-2	CR-3071
77	WI-3816	CR-34781	K42	5	CH2	3-1	CR-3071
79	WI-33478	CR-3593	K41	A1	K42	A1	CR-3593
80	WI-33777	CR-3593	K41	A2	K42	A2	CR-3593
81	WI-3816	CR-34781	TB4	1	F46	2	CR-34781
81	WI-3816	CR-34781	TB4	1	F46	2	CR-34781
82	WI-3816	CR-34781	TB9	1	F47	2	CR-34781
82	WI-3816	CR-34781	TB9	1	F47	2	CR-34781
83	WI-3816	CR-34781	TB14	1	F48	2	CR-34781
83	WI-3816	CR-34781	TB14	1	F48	2	CR-34781
84	WI-3816	CR-34781	K43	2	F46	1	CR-34781
86	WI-3816	CR-34781	K43	4	F47	1	CR-34781
88	WI-3816	CR-34781	K43	6	F48	1	CR-34781
90	WI-3816	CR-34781	K43	1	CH1	4-2	CR-3071
91	WI-3816	CR-34781	K43	3	CH1	4-1	CR-3071
92	WI-3816	CR-34781	K43	3	CH2	4-1	CR-3071
93	WI-3816	CR-34781	K43	5	CH2	4-2	CR-3071
94	WI-33777	CR-3593	K44	A2	K43	A2	CR-3593
95	WI-3816	CR-34781	TB2	1	F49	2	CR-34781
95	WI-3816	CR-34781	TB2	1	F49	2	CR-34781
96	WI-3816	CR-34781	TB7	1	F50	2	CR-34781
96	WI-3816	CR-34781	TB7	1	F50	2	CR-34781
97	WI-3816	CR-34781	TB12	1	F51	2	CR-34781
97	WI-3816	CR-34781	TB12	1	F51	2	CR-34781
98	WI-3816	CR-34781	K44	2	F49	1	CR-34781
98	WI-3816	CR-34781	K44	2	F49	1	CR-34781
99	WI-3816	CR-34781	K44	4	F50	1	CR-34781
99	WI-3816	CR-34781	K44	4	F50	1	CR-34781
100	WI-3816	CR-34781	K44	6	F51	1	CR-34781
100	WI-3816	CR-34781	K44	6	F51	1	CR-34781
101	WI-3816	CR-34781	K44	1	CH1	6-2	CR-3071
102	WI-3816	CR-34781	K44	1	CH1	5-2	CR-3071
103	WI-3816	CR-34781	K44	3	CH1	5-1	CR-3071
104	WI-3816	CR-34781	K44	3	CH2	5-1	CR-3071
105	WI-3816	CR-34781	K44	5	CH2	5-2	CR-3071
106	WI-3816	CR-34781	K44	5	CH1	6-1	CR-3071
107	WI-3816	CR-3071	CH1	6-2	CH2	6-2	CR-3071
108	WI-3816	CR-3071	CH1	6-1	CH2	6-1	CR-3071
116	WI-33777	CR-3593	K44	A2	N7	11	CR-33509
117	WI-33777	CR-33509	TB27	18	N7	12	CR-33509
118	WI-33777	CR-33509	N7	31	CB-X10	8	CR-34783
119	WI-33777	CR-33509	N7	32	CB-X10	7	CR-34783
120	WI-3816	CR-34781	TB3	1	F43	2	CR-34781
120	WI-3816	CR-34781	TB3	1	F43	2	CR-34781
121	WI-3816	CR-34781	TB8	1	F44	2	CR-34781
121	WI-3816	CR-34781	TB8	1	F44	2	CR-34781
122	WI-3816	CR-34781	TB13	1	F45	2	CR-34781
122	WI-3816	CR-34781	TB13	1	F45	2	CR-34781
123	WI-3816	CR-34781	K42	2	F43	1	CR-34781
123	WI-3816	CR-34781	K42	2	F43	1	CR-34781
124	WI-3816	CR-34781	K42	4	F44	1	CR-34781
124	WI-3816	CR-34781	K42	4	F44	1	CR-34781
125	WI-3816	CR-34781	K42	6	F45	1	CR-34781
125	WI-3816	CR-34781	K42	6	F45	1	CR-34781
126	WI-33478	CR-3593	K43	A1	K42	A1	CR-3593
127	WI-33777	CR-3593	K42	A2	K43	A2	CR-3593

REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM — WIRING DIAGRAM
20.20 440-480V 3Ph 60Hz CONVECTION
BY: AFT | DWG: 77529 | SHEET 21 OF 42
DATE: 04/12/12

OPTIONS



5016382 ALL MODELS; ALL VOLTAGE; BRWN_BAR

5016382-2W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
399	WI-3816	CR-34781	TB2	2	F30	2	CR-34781
400	WI-3816	CR-34781	TB7	2	F31	2	CR-34781
401	WI-3816	CR-34781	TB13	2	F32	2	CR-34781
402	WI-3816	CR-34775	K61	1	F30	1	CR-34781
403	WI-3816	CR-34775	K61	3	F31	1	CR-34781
404	WI-3816	CR-34775	K61	5	F31	1	CR-34781
405	WI-33777	CR-3593	K41	A2	K61	21	CR-3593
406	WI-33777	CR-3593	N7	12	K61	22	CR-3593
407	WI-33478	CR-3593	K61	A1	OB-X01	3	CR-34783
408	WI-33777	CR-3593	K61	A2	TB45	6	CR-34783

5016383 ALL MODELS; ALL VOLTAGE; CC

5016383-1w							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
409	WI-33478	CR-34782	TB2	2	F13	2	CR-34782
410	WI-33462	CR-34782	F13	1	CC_EL	1	CR-33509
411	WI-33478	CR-3593	CC_RLY	14	OB-X01	4	CR-34783
412	WI-33777	CR-3593	CC_RLY	13	TB45	8	CR-34783
413	WI-33462	CR-3593	CC_RLY	8	CC_EL	2	CR-33509
414	WI-33777	CR-34783	TB47	7	CC_RLY	12	CR-3593

5016381 ALL MODELS; ALL VOLTAGE; CHEMICAL PUMP

5016381-3W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
415	WI-33478	CR-33509	LCI.PUMP	A1	OB-X01	6	CR-34783
416	WI-33777	CR-33509	LCI.PUMP	A2	TB45	8	CR-34783

5016380 ALL MODELS; ALL VOLTAGE; SMOKER OPTION

5016380-4W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
417	WI-33478	CR-3593	RLY-SMK	14	OB-X01	2	CR-34783
418	WI-33777	CR-3593	RLY-SMK	13	TB45	3	CR-34783
419	WI-33478	CR-34783	F4	2	F8	2	CR-34783
420	WI-33462	CR-34783	F8	1	SMK-EL	1	CR-3226
421	WI-33462	CR-3593	RLY-SMK	8	SMK-EL	2	CR-3226
422	WI-33777	CR-3593	RLY-SMK	12	TB45	5	CR-34783

5017011 ALL MODELS; ALL VOLTAGE; GREASE PUMP

5017011-0W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
462	WI-33478	CR-34783	OB-X03	2	G.PUMP	A1	CR-33509
463	WI-33478	CR-34783	OB-X03	3	G.PUMP	A2	CR-33509

REV	ECO	DESCRIPTION	DATE	APP

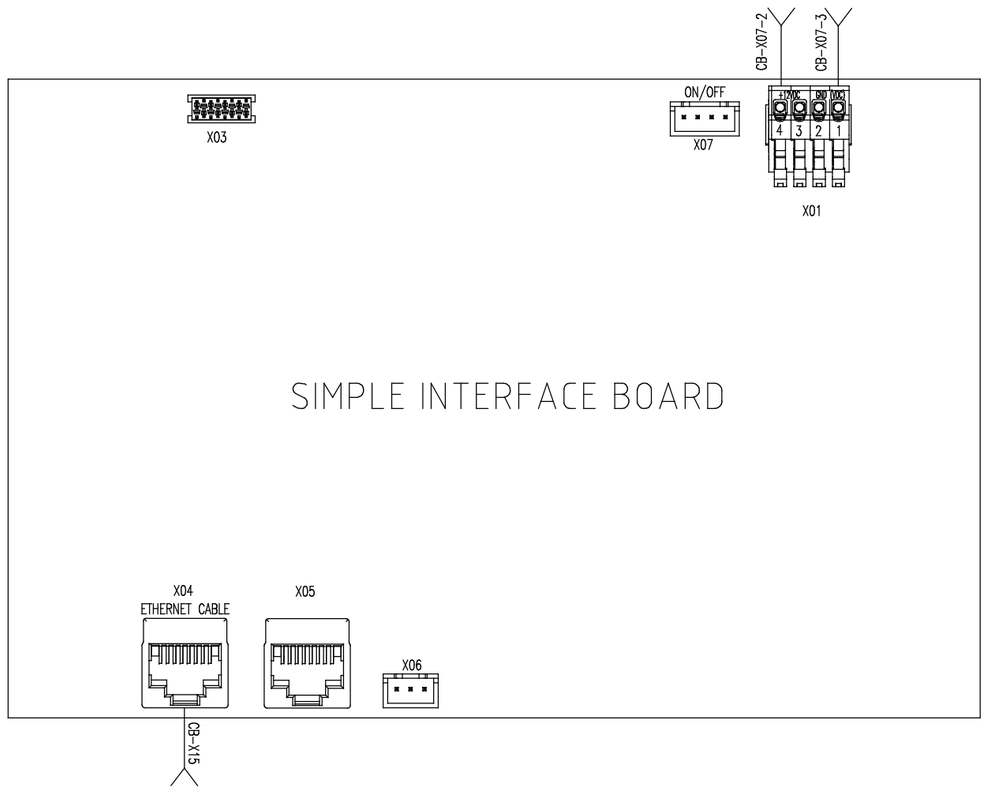
ALTO-SHAAM

WIRING DIAGRAM

OPTIONAL DIAGRAM

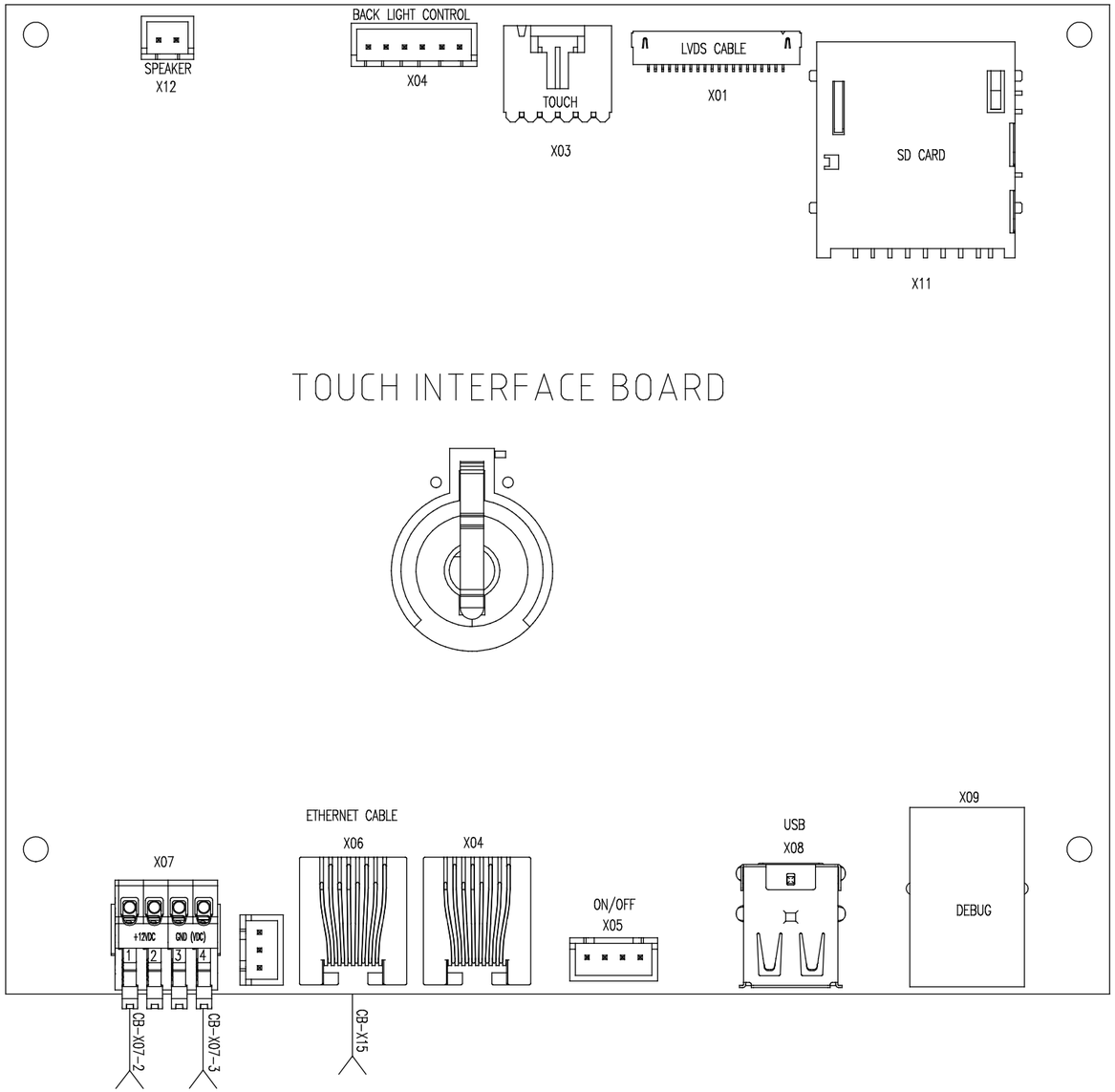
BY: AFT | DWG: 77529 | SHEET 22 OF 42

DATE: 04/12/12



REV	ECO	DESCRIPTION	DATE	APP

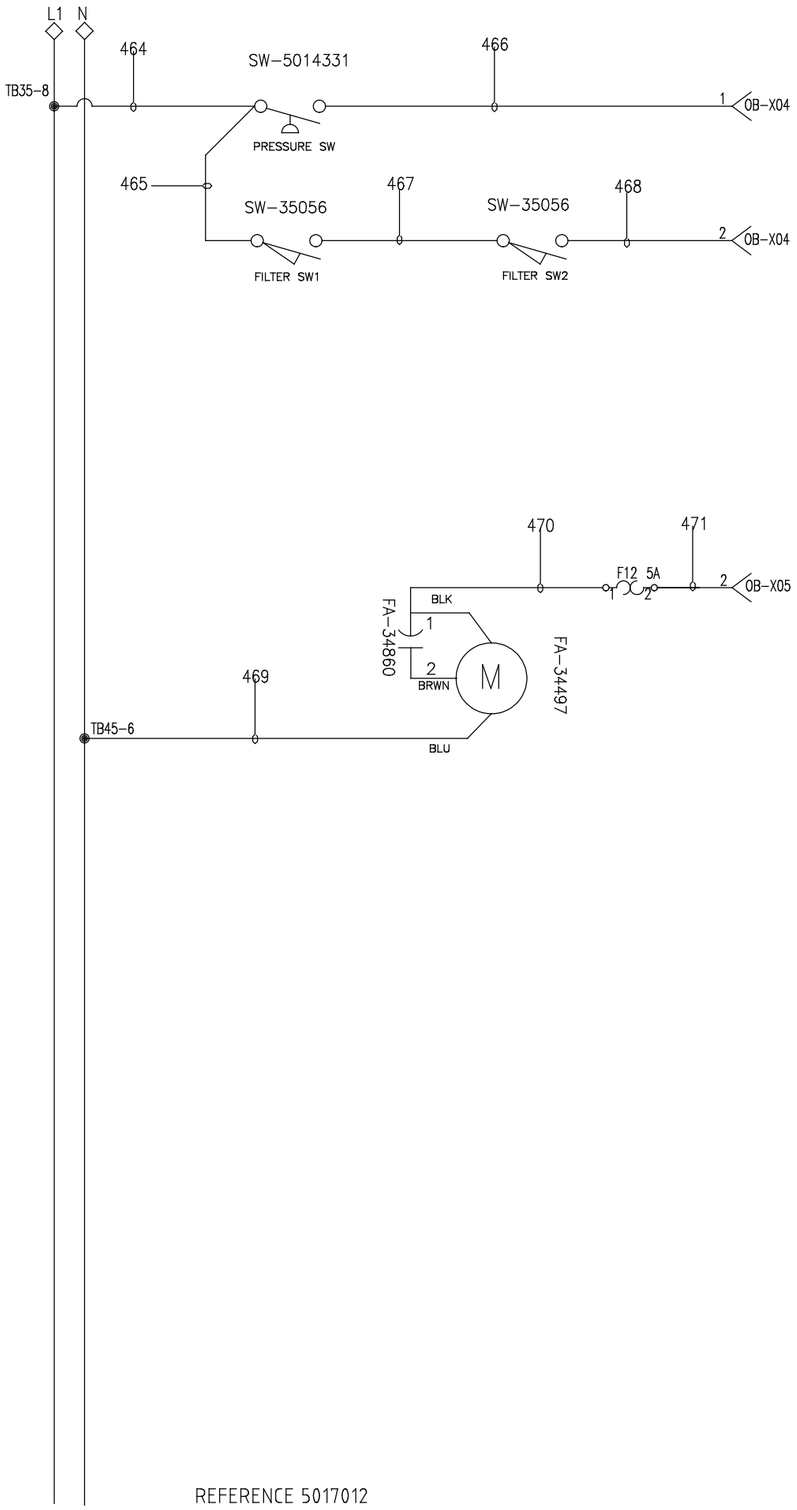
ALTO-SHAAM	WIRING DIAGRAM		
	SIMPLE INTERFACE BOARD		
BY: AFT	DWG# 77529	SHEET	
DATE: 04/12/12		23 OF 42	



REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM	WIRING DIAGRAM		
	TOUCH INTERFACE BOARD		
BY: AFT	DWG: 77529	SHEET 24 OF 42	
DATE: 04/12/12			

VENTLESS HOOD



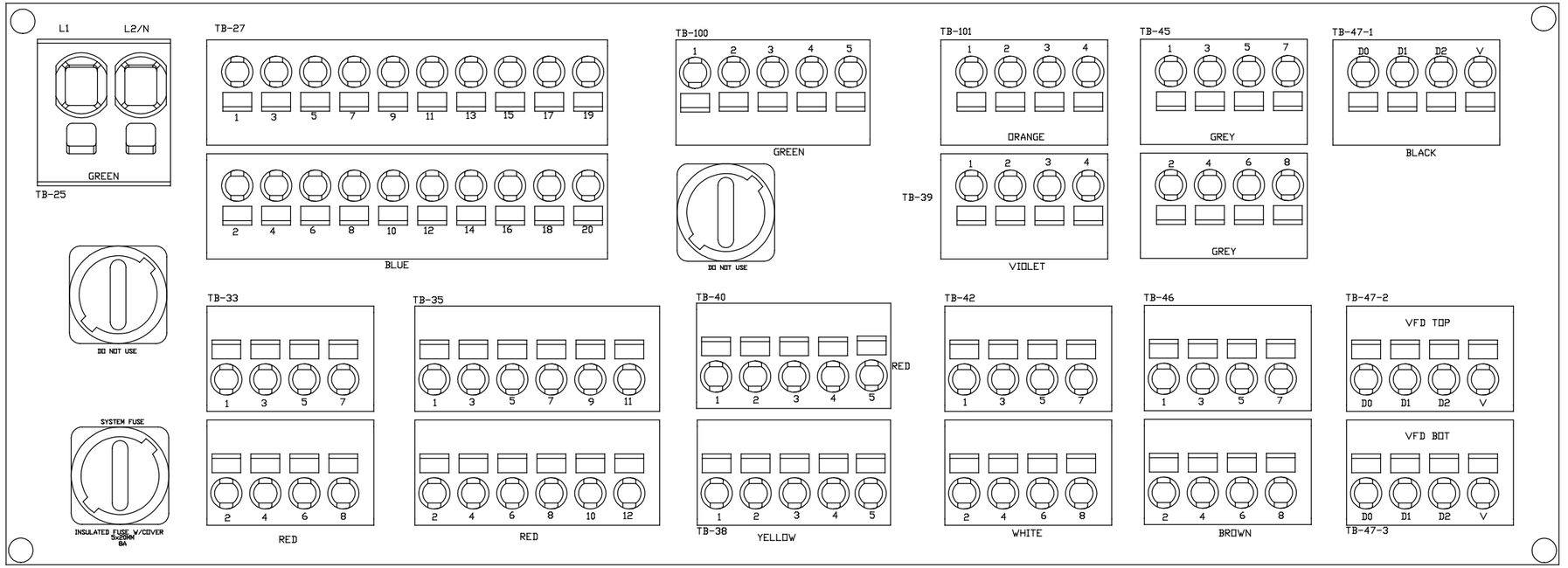
REFERENCE 5017012

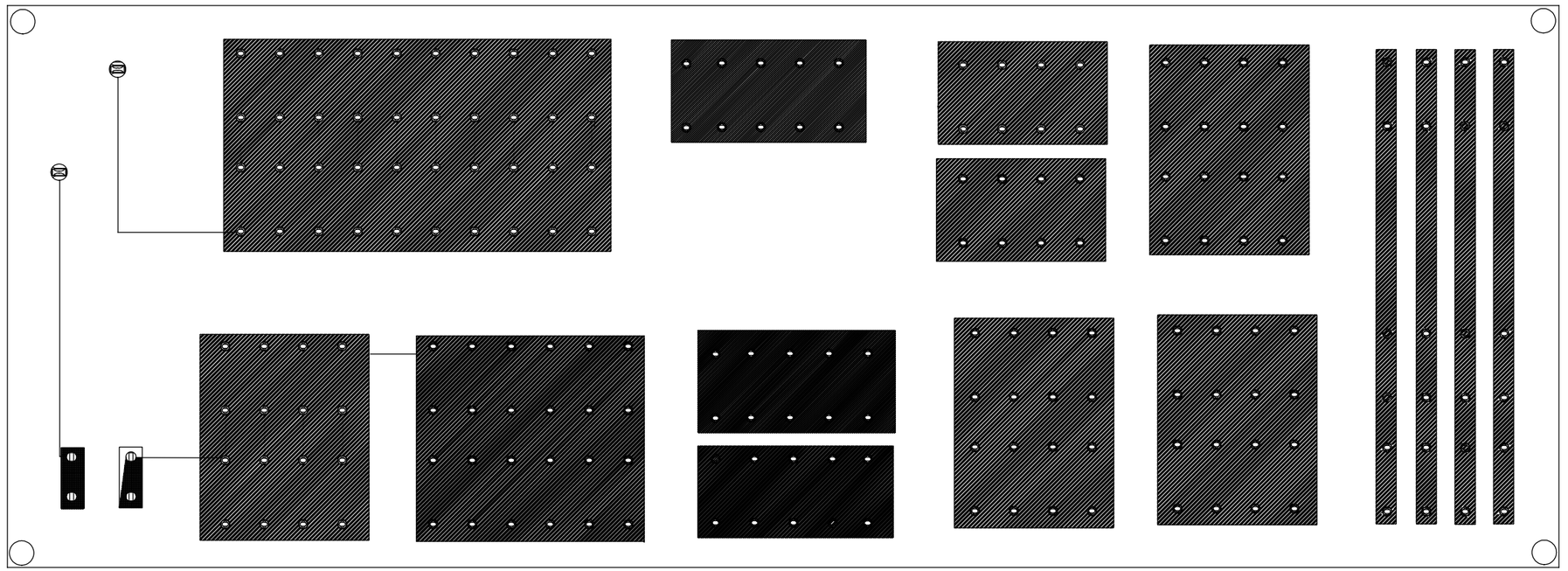
ALL MODELS, ALL VOLTAGE, VENT-LESS HOOD

5017012-2W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
464	WI-33478	CR-34783	TB35	8	PSSW	1	CR-34774
465	WI-33478	CR-33509	FLTSW1	1	PSSW	1	CR-33509
466	WI-33777	CR-34783	OB-X04	1	PSSW	2	CR-33509
467	WI-33478	CR-33509	FLTSW1	2	FLTSW2	1	CR-33509
468	WI-33777	CR-34783	OB-X04	2	FLTSW2	2	CR-33509
469	WI-33777	CR-34783	TB45	6	VH-MOTOR	BLK	CR-34639
470	WI-33478	CR-34774	VH-MOTOR	BLU	F12	1	CR-34783
471	WI-33478	CR-34783	OB-X05	2	F12	2	CR-34783

REV	ECO	DESCRIPTION	DATE	APP

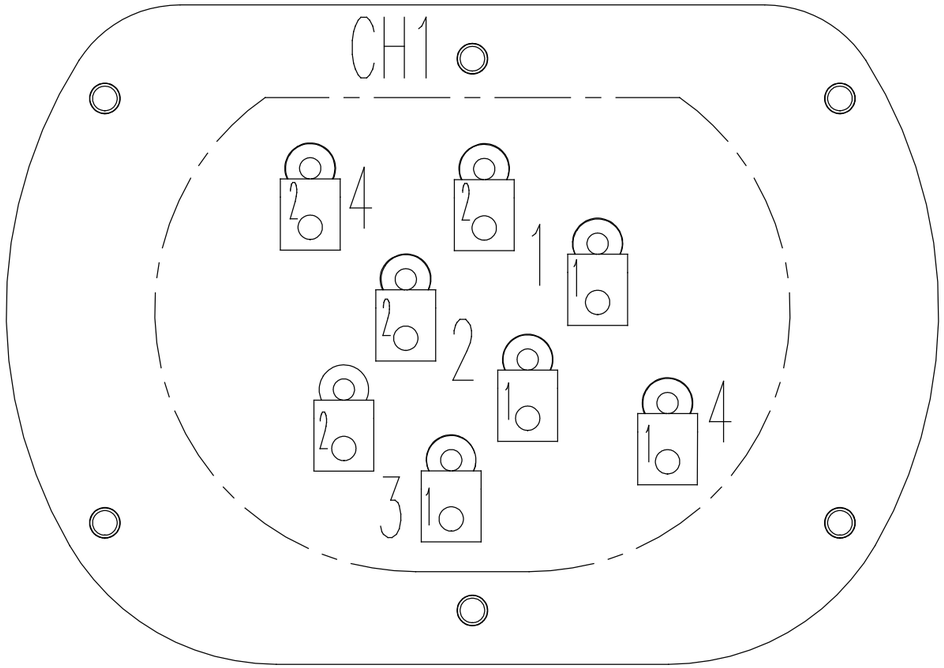
ALTO-SHAAM	WIRING DIAGRAM		
	VENTLESS HOOD		
BY: AFT	DWG: 77529	SHEET 25 OF 42	
DATE: 04/12/12			

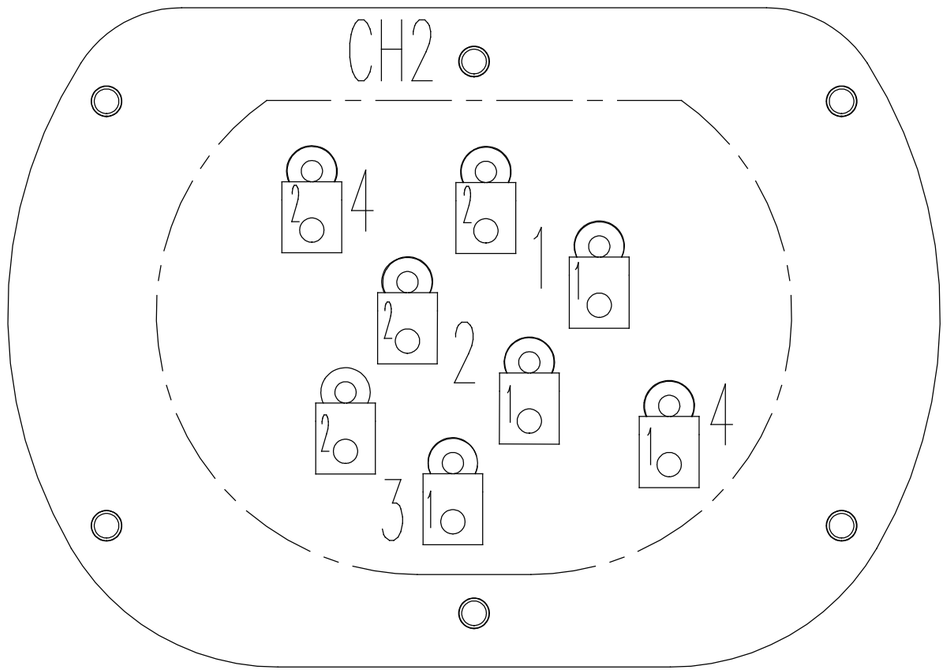




REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM	WIRING DIAGRAM		
	Floor Model Chassis		
BY: AFT	DWG: 77529	SHEET	
DATE: 04/12/12		26 OF 42	

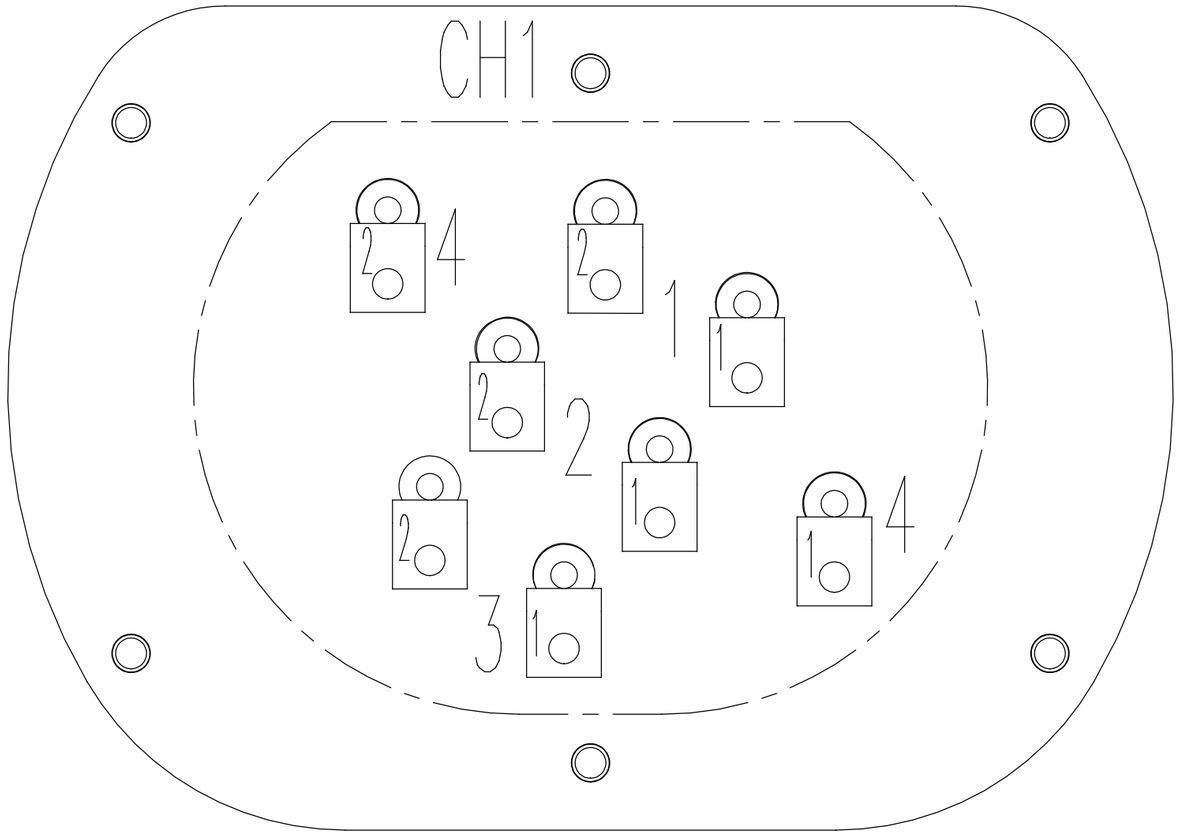




REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM		WIRING DIAGRAM	
		7.14 ES 380V LEGEND	
BY: AFT	DWG:	77529	SHEET 27 OF 42
DATE: 04/12/12			

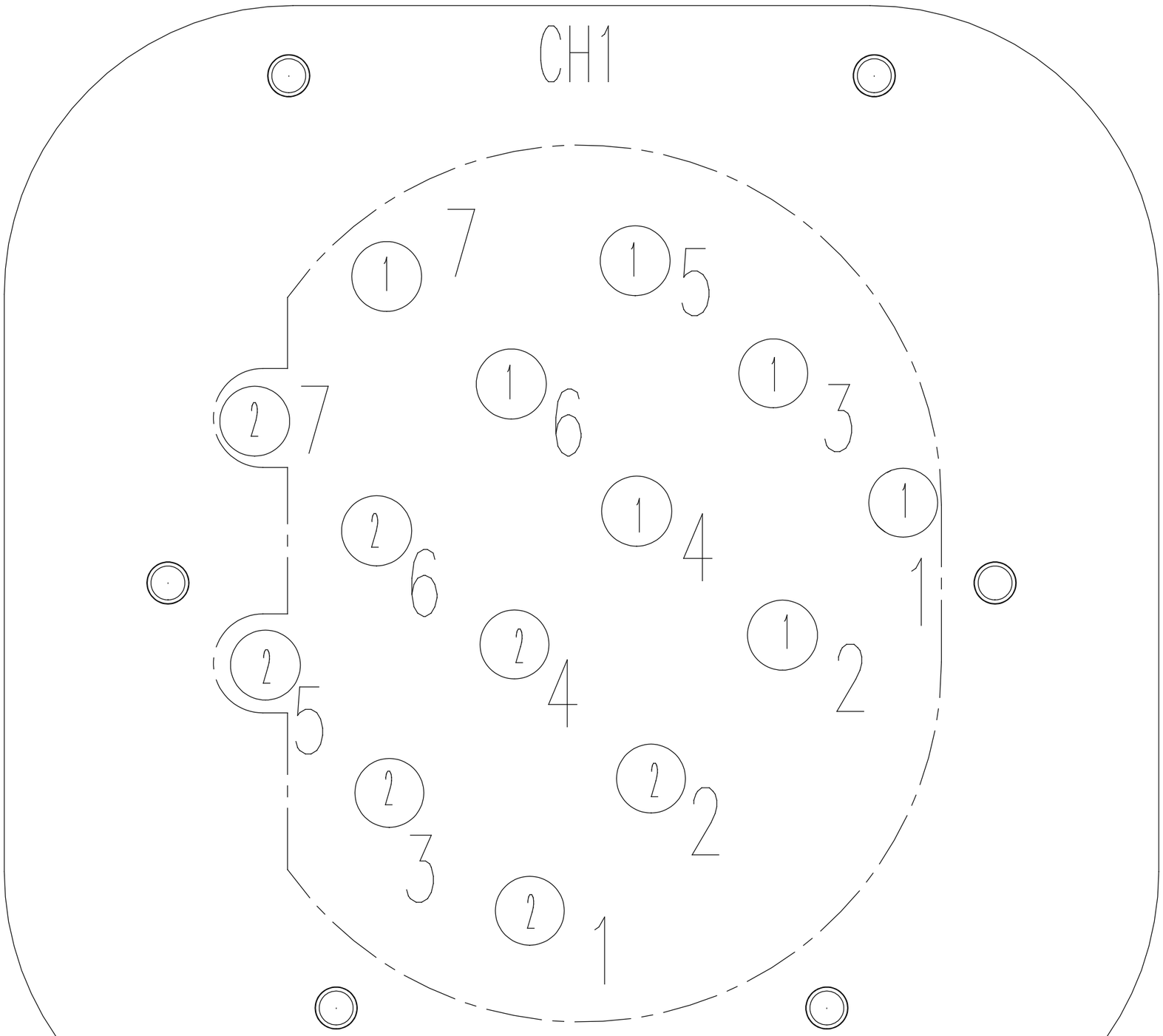
EL-35516



REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM	WIRING DIAGRAM 6.10-10.10-7.14 ELEMENT PINS LAYOUT		
BY: AFT	DWG: 77529	SHEET 28 OF 42	
DATE: 04/12/12			

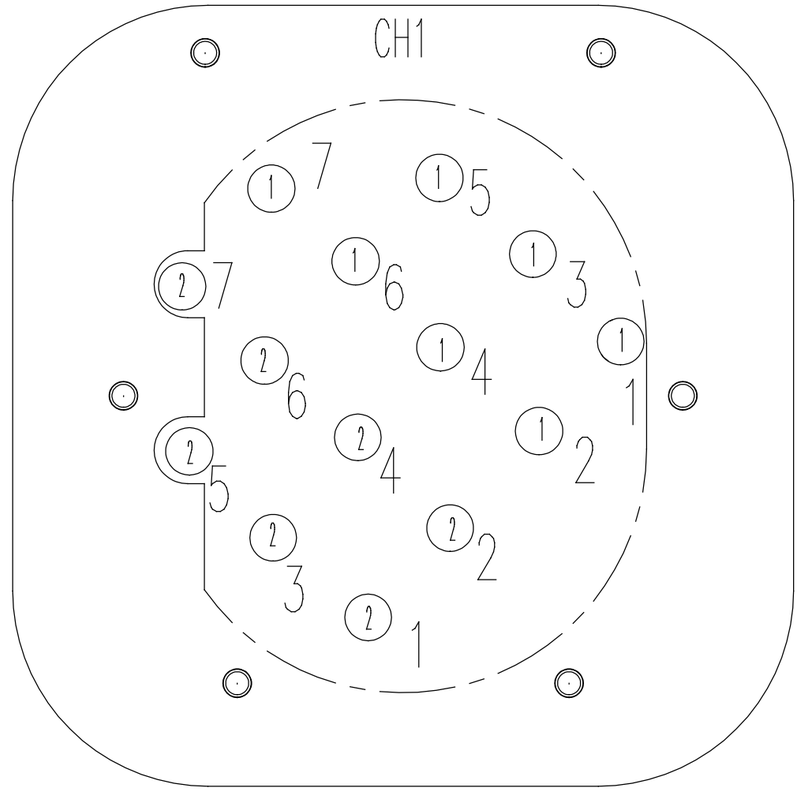
EL-35518

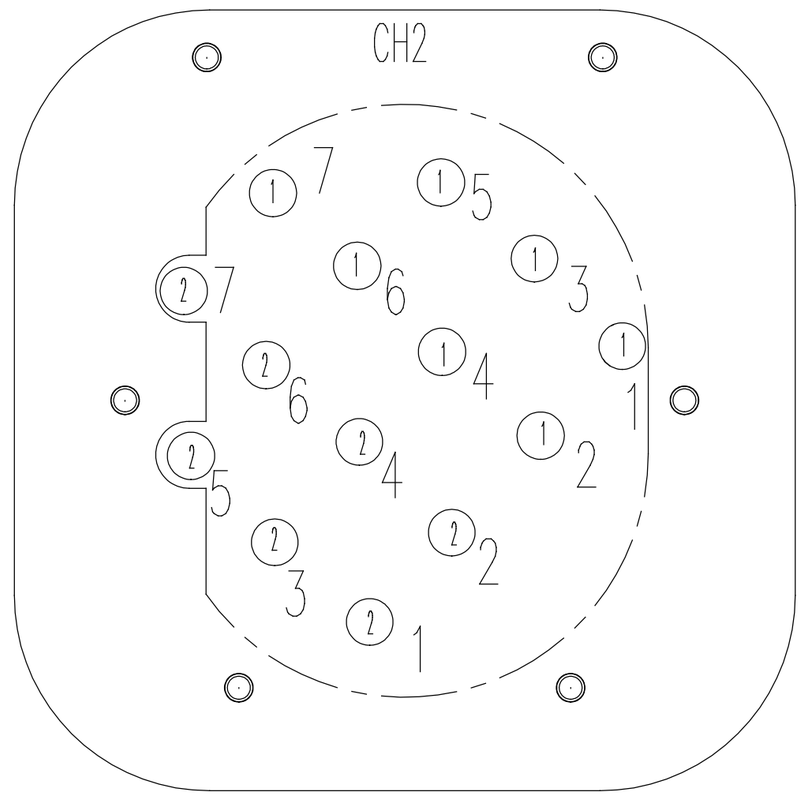


REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM		WIRING DIAGRAM	
		EL-35518 10-18 LEGEND	
BY:	AFT	DWG: 77529	SHEET 29 OF 42
DATE:	04/12/12		

DUAL ELEMENT EL-35518

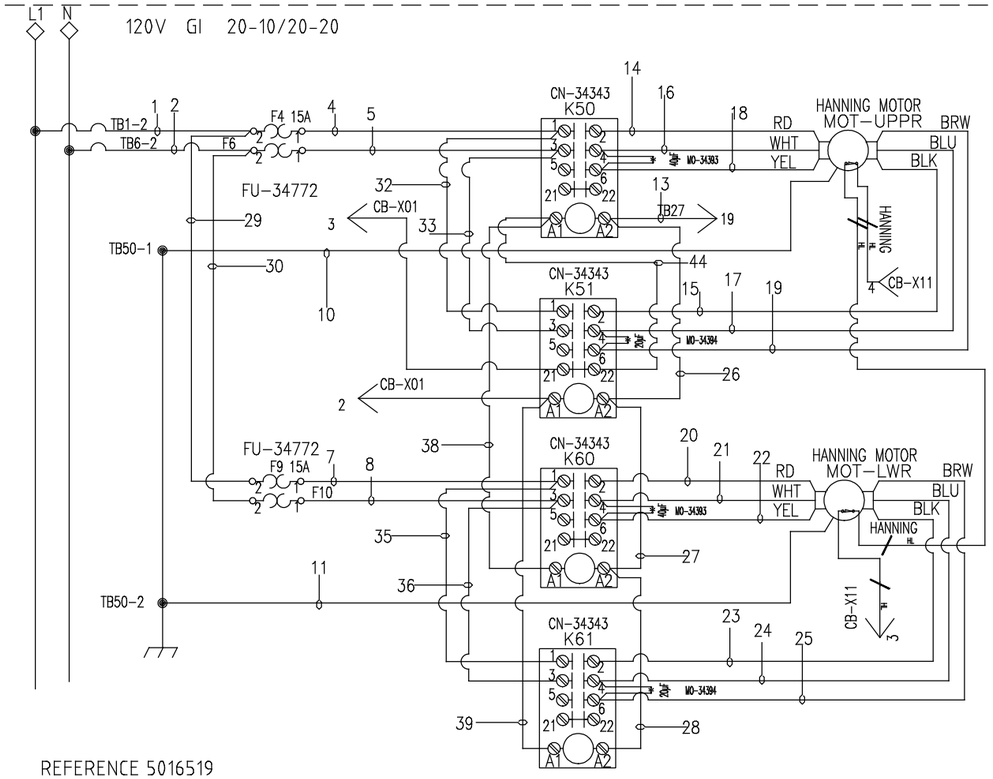


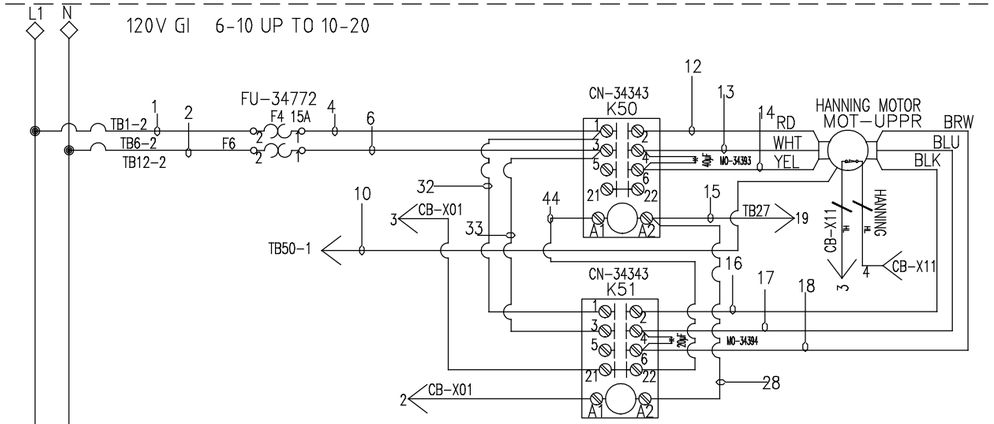


REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM	WIRING DIAGRAM		
	EL-35518.20.20 LEGEND		
BY: AFT	DWG: 77529	SHEET	
DATE: 04/12/12		30 OF 42	

SIMPLE MOTOR CONTACTOR





5016519 20-10/20-20 (GI); 120V; SIMPLE

5016519-3W							
#	WI-STOCK	T-CONN.	FROM	T-LOC	TO	T-LOC	L-CONN.
1	WI-3815	CR-34782	TB1	2	F4	2	CR-34782
2	WI-3815	CR-34782	TB6	2	F6	2	CR-34782
4	WI-33478	CR-34783	F4	1	K50	1	CR-34783
5	WI-33478	CR-34783	F6	1	K50	3	CR-34783
7	WI-33478	CR-34783	F9	1	K60	1	CR-34783
8	WI-33478	CR-34783	F10	1	K60	3	CR-34783
10	WI-33776	CR-34783	MOTOR	GND	TB50	1	CR-34783
11	WI-33776	CR-34783	MOTOR	GND	TB50	2	CR-34783
13	WI-33777	CR-34783	K50	A2	TB27	19	CR-34783
14	WI-33478	CR-34783	K50	2	MOTOR UPPR	CON	CR-34783
15	WI-33478	CR-34783	K51	2	MOTOR UPPR	CON	CR-34783
16	WI-33478	CR-34783	K50	4	MOTOR UPPR	CON	CR-34783
17	WI-33478	CR-34783	K51	4	MOTOR UPPR	CON	CR-34783
18	WI-33478	CR-34783	K50	6	MOTOR UPPR	CON	CR-34783
19	WI-33478	CR-34783	K51	6	MOTOR UPPR	CON	CR-34783
20	WI-33478	CR-34783	K60	2	MOTOR LWR	CON	CR-34783
21	WI-33478	CR-34783	K60	4	MOTOR LWR	CON	CR-34783
22	WI-33478	CR-34783	K60	6	MOTOR LWR	CON	CR-34783
23	WI-33478	CR-34783	K61	2	MOTOR LWR	CON	CR-34783
24	WI-33478	CR-34783	K61	4	MOTOR LWR	CON	CR-34783
25	WI-33478	CR-34783	K61	6	MOTOR LWR	CON	CR-34783
26	WI-33777	CR-34783	K50	A2	K51	A2	CR-34783
27	WI-33777	CR-34783	K51	A2	K60	A2	CR-34783
28	WI-33777	CR-34783	K60	A2	K61	A2	CR-34783
29	WI-3815	CR-34782	F9	2	F4	2	CR-34782
30	WI-3815	CR-34782	F10	2	F6	2	CR-34782
32	WI-33478	CR-34783	K50	1	K51	1	CR-34783
33	WI-33478	CR-34783	K50	3	K51	3	CR-34783
35	WI-33478	CR-34783	K60	1	K61	1	CR-34783
36	WI-33478	CR-34783	K60	3	K61	3	CR-34783
38	WI-33478	CR-34783	K50	A1	K60	A1	CR-34783
39	WI-33478	CR-34783	K51	A1	K61	A1	CR-34783
44	WI-33478	CR-34783	K51	22	K50	A1	CR-34783

5016520 6-10,10-10,7-20,10-20 (EB,EI,GI); 120V; SIMPLE

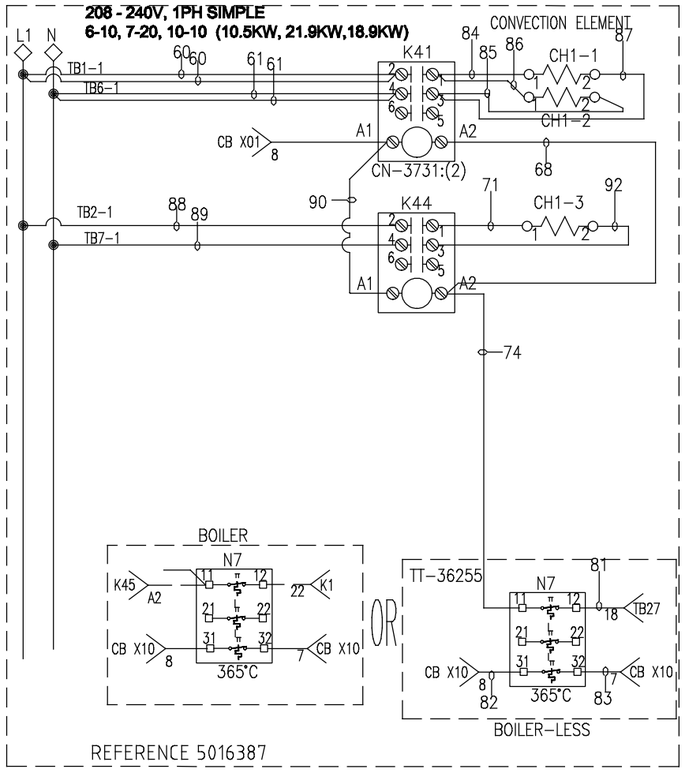
5016520-4W							
#	WI-STOCK	T-CONN.	FROM	T-LOC	TO	T-LOC	L-CONN.
1	WI-3815	CR-34782	TB1	2	F4	2	CR-34782
2	WI-3815	CR-34782	TB6	2	F6	2	CR-34782
4	WI-33478	CR-34783	F4	1	K50	1	CR-34783
6	WI-33478	CR-34783	F6	1	K50	3	CR-34783
10	WI-33776	CR-34783	TB50	1	MOTOR	GND	BARE
12	WI-33478	CR-34783	K50	2	MOTOR	CON	CR-34783
13	WI-33478	CR-34783	K50	4	MOTOR	CON	CR-34783
14	WI-33478	CR-34783	K50	6	MOTOR	CON	CR-34783
15	WI-33777	CR-34783	K50	A2	TB27	19	CR-34783
16	WI-33478	CR-34783	K51	2	MOTOR	CON	CR-34783
17	WI-33478	CR-34783	K51	4	MOTOR	CON	CR-34783
18	WI-33478	CR-34783	K51	6	MOTOR	CON	CR-34783
28	WI-33777	CR-34783	K51	A2	K50	A2	CR-34783
32	WI-33478	CR-34783	K50	1	K51	1	CR-34783
33	WI-33478	CR-34783	K50	3	K51	3	CR-34783
44	WI-33478	CR-34783	K51	22	K50	A1	CR-34783

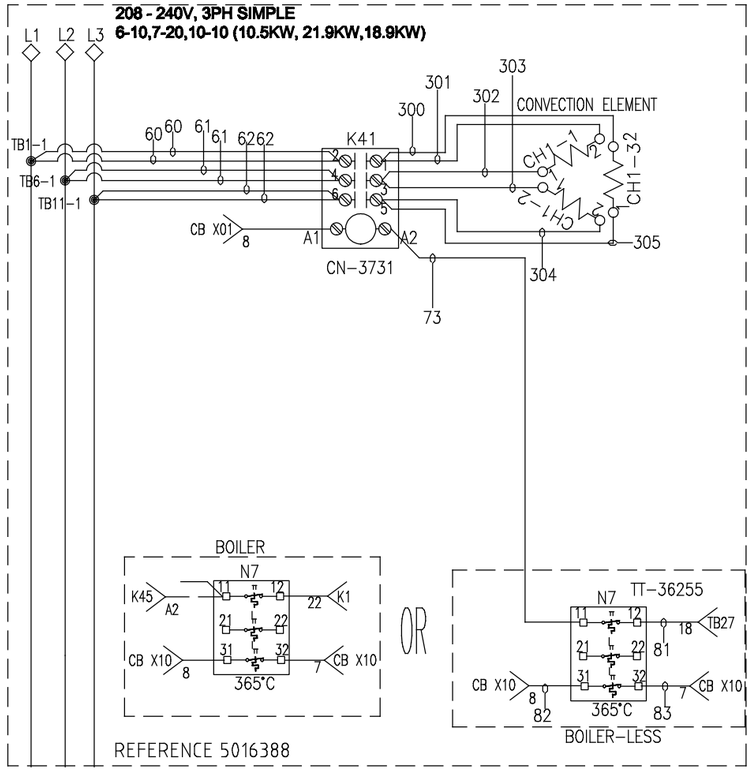
REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM — WIRING DIAGRAM
6-10 UP-TO-20,20 1PH SIMPLE MOTOR

BY:	AFT	DWG:	77529	SHEET
DATE:	04/12/12			32 OF 42

CONVECTION SYSTEM SIMPLE





5016387 6-10,10-10, 7-20; (EI); 208V 1PH; SIMPLE

5016387-2w							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
60	WI-3816	CR-34781	TB1	1	K41	2	CR-34781
60	WI-3816	CR-34781	TB1	1	K41	2	CR-34781
61	WI-3816	CR-34781	TB6	1	K41	4	CR-34781
61	WI-3816	CR-34781	TB6	1	K41	4	CR-34781
68	WI-33777	CR-3593	K41	A2	K44	A2	CR-3593
71	WI-3816	CR-34781	K44	1	CH1	3-1	CR-33008
74	WI-33777	CR-3593	K44	A2	N7	11	CR-33509
81	WI-33777	CR-33509	N7	12	TB27	18	CR-34783
82	WI-33777	CR-33509	N7	31	CB-X10	8	CR-34783
83	WI-33777	CR-33509	N7	32	CB-X10	7	CR-3593
84	WI-3816	CR-34781	K41	1	CH1	1-1	CR-33008
85	WI-3816	CR-34781	K41	3	CH1	2-2	CR-33008
86	WI-3816	CR-34781	K41	1	CH1	2-1	CR-33008
87	WI-3816	CR-34781	K41	3	CH1	1-2	CR-33008
88	WI-3816	CR-34781	TB2	1	K44	2	CR-34781
89	WI-3816	CR-34781	TB7	1	K44	4	CR-34781
90	WI-33478	CR-3593	K41	A1	K44	A1	CR-3593
92	WI-3816	CR-34781	K44	3	CH1	3-2	CR-33008

5016388 6-10,10-10,7-20; (EI); 208V 1PH; SIMPLE

5016388-2W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
60	WI-3816	CR-34781	TB1	1	K41	2	CR-34781
60	WI-3816	CR-34781	TB1	1	K41	2	CR-34781
61	WI-3816	CR-34781	TB6	1	K41	4	CR-34781
61	WI-3816	CR-34781	TB6	1	K41	4	CR-34781
62	WI-3816	CR-34781	TB11	1	K41	6	CR-34781
62	WI-3816	CR-34781	TB11	1	K41	6	CR-34781
300	WI-3816	CR-34781	K41	1	CH1	3-2	CR-33008
301	WI-3816	CR-34781	K41	1	CH1	1-2	CR-33008
302	WI-3816	CR-34781	K41	3	CH1	1-1	CR-33008
303	WI-3816	CR-34781	K41	3	CH1	2-1	CR-33008
304	WI-3816	CR-34781	K41	5	CH1	2-2	CR-33008
305	WI-3816	CR-34781	K41	5	CH1	3-1	CR-33008
73	WI-33777	CR-3593	K41	A2	N7	11	CR-33509
81	WI-33777	CR-33509	N7	12	TB27	18	CR-34783
82	WI-33777	CR-33509	N7	31	CB-X10	8	CR-34783
83	WI-33777	CR-33509	N7	32	CB-X10	7	CR-34783

REFERENCE 5016387

REFERENCE 5016388

REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM

WIRING DIAGRAM

6-10,10-10,7-14 208V 1PH CONVECTION SIMPLE

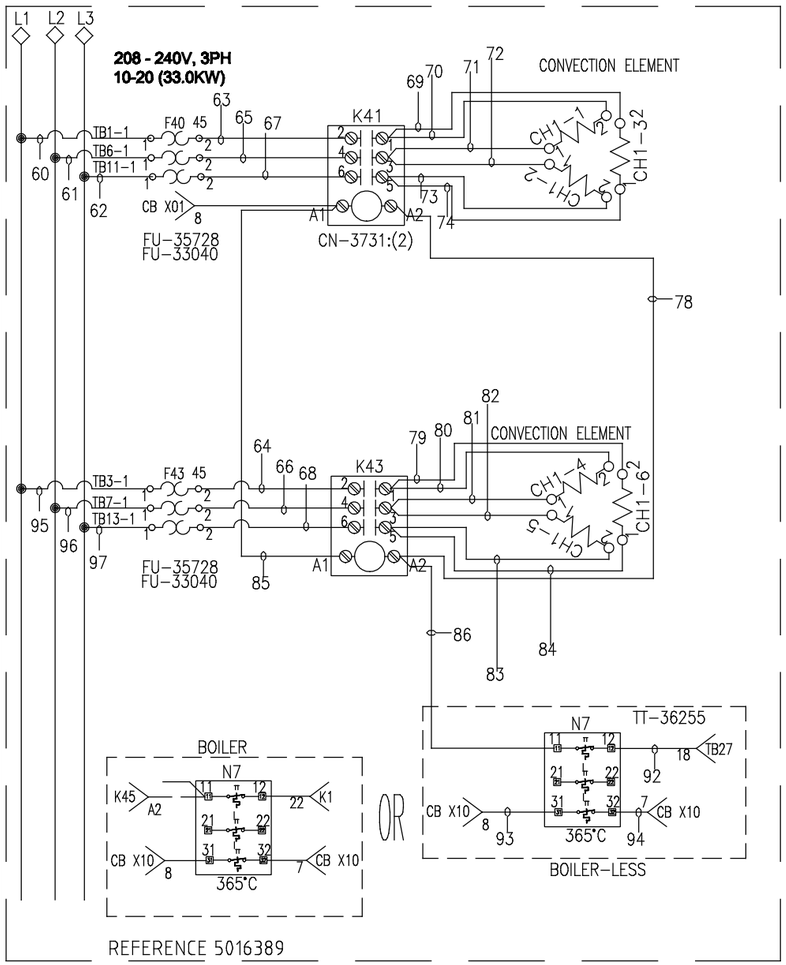
BY: AFT

DATE: 04/12/12

DWG: 77529

SHEET 33 OF 42

CONVECTION SYSTEM SIMPLE



5016389 10-20(EI); 208V 3PH; SIMPLE ONLY

5016389-2W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
60	WI-3816	CR-34781	TB1	1	F40	1	CR-34781
60	WI-3816	CR-34781	TB1	1	F40	1	CR-34781
61	WI-3816	CR-34781	TB6	1	F41	1	CR-34781
61	WI-3816	CR-34781	TB6	1	F41	1	CR-34781
62	WI-3816	CR-34781	TB11	1	F42	1	CR-34781
62	WI-3816	CR-34781	TB11	1	F42	1	CR-34781
63	WI-3816	CR-34781	K41	2	F40	2	CR-34781
63	WI-3816	CR-34781	K41	2	F40	2	CR-34781
64	WI-3816	CR-34781	F43	2	K43	2	CR-34781
64	WI-3816	CR-34781	F43	2	K43	2	CR-34781
65	WI-3816	CR-34781	K41	4	F41	2	CR-34781
65	WI-3816	CR-34781	K41	4	F41	2	CR-34781
66	WI-3816	CR-34781	F44	2	K43	4	CR-34781
66	WI-3816	CR-34781	F44	2	K43	4	CR-34781
67	WI-3816	CR-34781	K41	6	F42	2	CR-34781
67	WI-3816	CR-34781	K41	6	F42	2	CR-34781
68	WI-3816	CR-34781	F45	2	K43	6	CR-34781
68	WI-3816	CR-34781	F45	2	K43	6	CR-34781
69	WI-3816	CR-34781	K41	1	CH1	3-2	CR-33008
70	WI-3816	CR-34781	K41	1	CH1	1-2	CR-33008
71	WI-3816	CR-34781	K41	3	CH1	1-1	CR-33008
72	WI-3816	CR-34781	K41	3	CH1	2-1	CR-33008
73	WI-3816	CR-34781	K41	5	CH1	2-2	CR-33008
74	WI-3816	CR-34781	K41	5	CH1	3-1	CR-33008
78	WI-33777	CR-3593	K41	A2	K43	A2	CR-3593
79	WI-3816	CR-34781	K43	1	CH1	6-2	CR-33008
80	WI-3816	CR-34781	K43	1	CH1	4-2	CR-33008
81	WI-3816	CR-34781	K43	3	CH1	4-1	CR-33008
82	WI-3816	CR-34781	K43	3	CH1	5-1	CR-33008
83	WI-3816	CR-34781	K43	5	CH1	5-2	CR-33008
84	WI-3816	CR-34781	K43	5	CH1	6-1	CR-33008
85	WI-33777	CR-3593	K41	A2	K43	A2	CR-3593
86	WI-33777	CR-33509	N7	11	K43	A2	CR-3593
92	WI-33777	CR-34783	TB27	18	N7	12	CR-33509
93	WI-33777	CR-34783	CB-X10	8	N7	31	CR-33509
94	WI-33777	CR-34783	CB-X10	7	N7	32	CR-33509
95	WI-3816	CR-34781	TB3	1	F43	1	CR-34781
95	WI-3816	CR-34781	TB3	1	F43	1	CR-34781
96	WI-3816	CR-34781	TB7	1	F44	1	CR-34781
96	WI-3816	CR-34781	TB7	1	F44	1	CR-34781
97	WI-3816	CR-34781	TB13	1	F45	1	CR-34781
97	WI-3816	CR-34781	TB13	1	F45	1	CR-34781

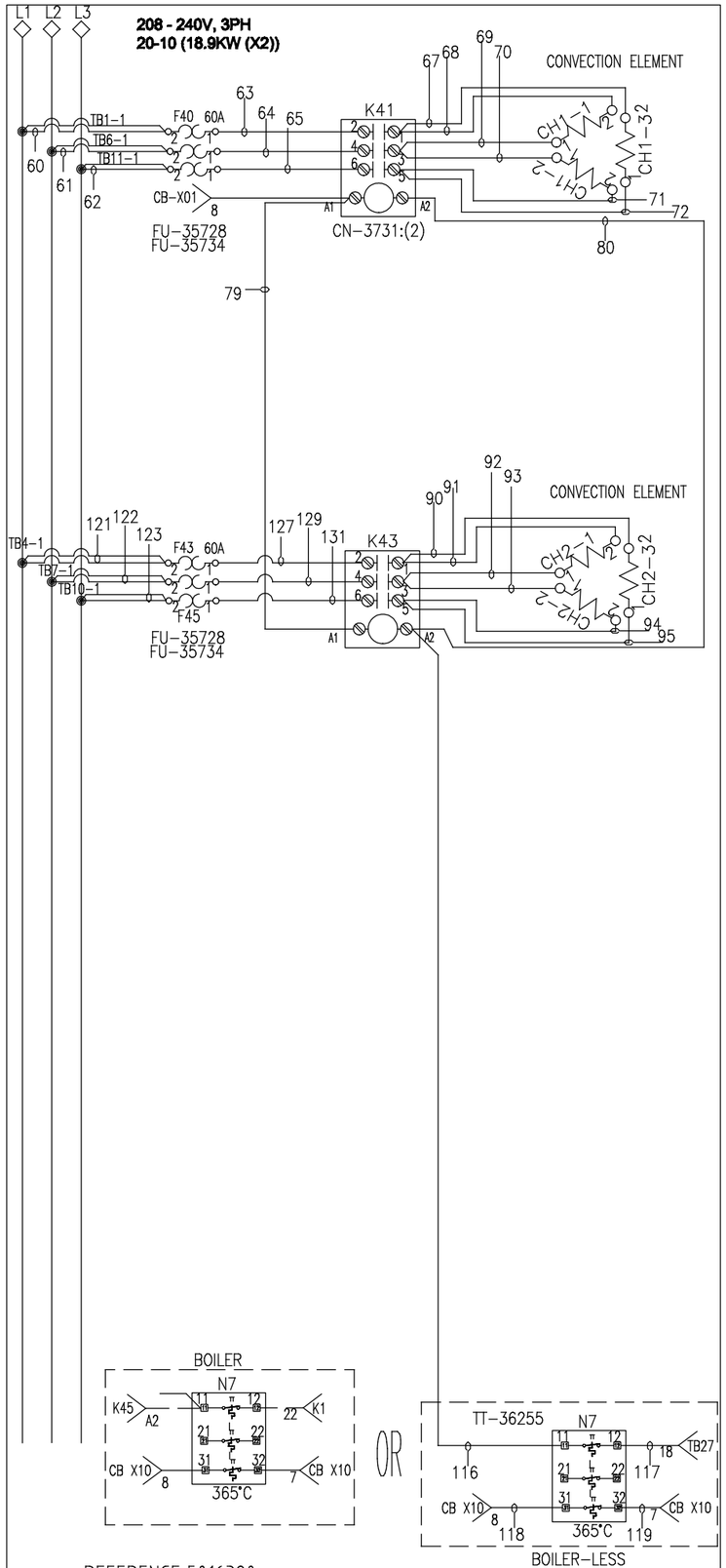
REFERENCE 5016389

REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM — WIRING DIAGRAM
10-10(EI)-API-CONVECTION-SIMPLE

BY:	AFT	DWG:	77529	SHEET
DATE:	04/12/12			34 OF 42

CONVECTION SYSTEM SIMPLE



50156390 20-10 (EI); 208V 3PH; SIMPLE

5016390-1W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
60	WI-3816	CR-34781	TB1	1	F40	2	CR-34781
60	WI-3816	CR-34781	TB1	1	F40	2	CR-34781
61	WI-3816	CR-34781	TB6	1	F41	2	CR-34781
61	WI-3816	CR-34781	TB6	1	F41	2	CR-34781
62	WI-3816	CR-34781	TB11	1	F42	2	CR-34781
62	WI-3816	CR-34781	TB11	1	F42	2	CR-34781
63	WI-3816	CR-34781	K41	2	F40	1	CR-34781
64	WI-3816	CR-34781	K41	4	F41	1	CR-34781
65	WI-3816	CR-34781	K41	6	F42	1	CR-34781
67	WI-3816	CR-34781	K41	1	CH1	3-2	CR-33008
68	WI-3816	CR-34781	K41	1	CH1	1-2	CR-33008
69	WI-3816	CR-34781	K41	3	CH1	1-1	CR-33008
70	WI-3816	CR-34781	K41	3	CH1	2-1	CR-33008
71	WI-3816	CR-34781	K41	5	CH1	2-2	CR-33008
72	WI-3816	CR-34781	K41	5	CH1	3-1	CR-33008
79	WI-33478	CR-3593	K41	A1	K43	A1	CR-3593
80	WI-33777	CR-3593	K41	A2	K43	A2	CR-3593
90	WI-3816	CR-34781	K43	1	CH2	3-2	CR-33008
91	WI-3816	CR-34781	K43	1	CH2	1-2	CR-33008
92	WI-3816	CR-34781	K43	3	CH2	1-1	CR-33008
93	WI-3816	CR-34781	K43	3	CH2	2-1	CR-33008
94	WI-3816	CR-34781	K43	5	CH2	2-2	CR-33008
95	WI-3816	CR-34781	K43	5	CH2	3-1	CR-33008
116	WI-33777	CR-3593	K43	A2	N7	11	CR-33509
117	WI-33777	CR-33509	TB27	18	N7	12	CR-33509
118	WI-33777	CR-33509	N7	31	CB-X10	8	CR-34783
119	WI-33777	CR-33509	N7	32	CB-X10	7	CR-34783
121	WI-3816	CR-34781	K43	2	F43	2	CR-34781
121	WI-3816	CR-34781	K43	2	F43	2	CR-34781
122	WI-3816	CR-34781	K43	4	F44	2	CR-34781
122	WI-3816	CR-34781	K43	4	F44	2	CR-34781
123	WI-3816	CR-34781	K43	6	F45	2	CR-34781
123	WI-3816	CR-34781	K43	6	F45	2	CR-34781
127	WI-3816	CR-34781	K43	2	F43	1	CR-34781
129	WI-3816	CR-34781	K43	4	F44	1	CR-34781
131	WI-3816	CR-34781	K43	6	F45	1	CR-34781

REFERENCE 5016390

REV	ECO	DESCRIPTION	DATE	APP

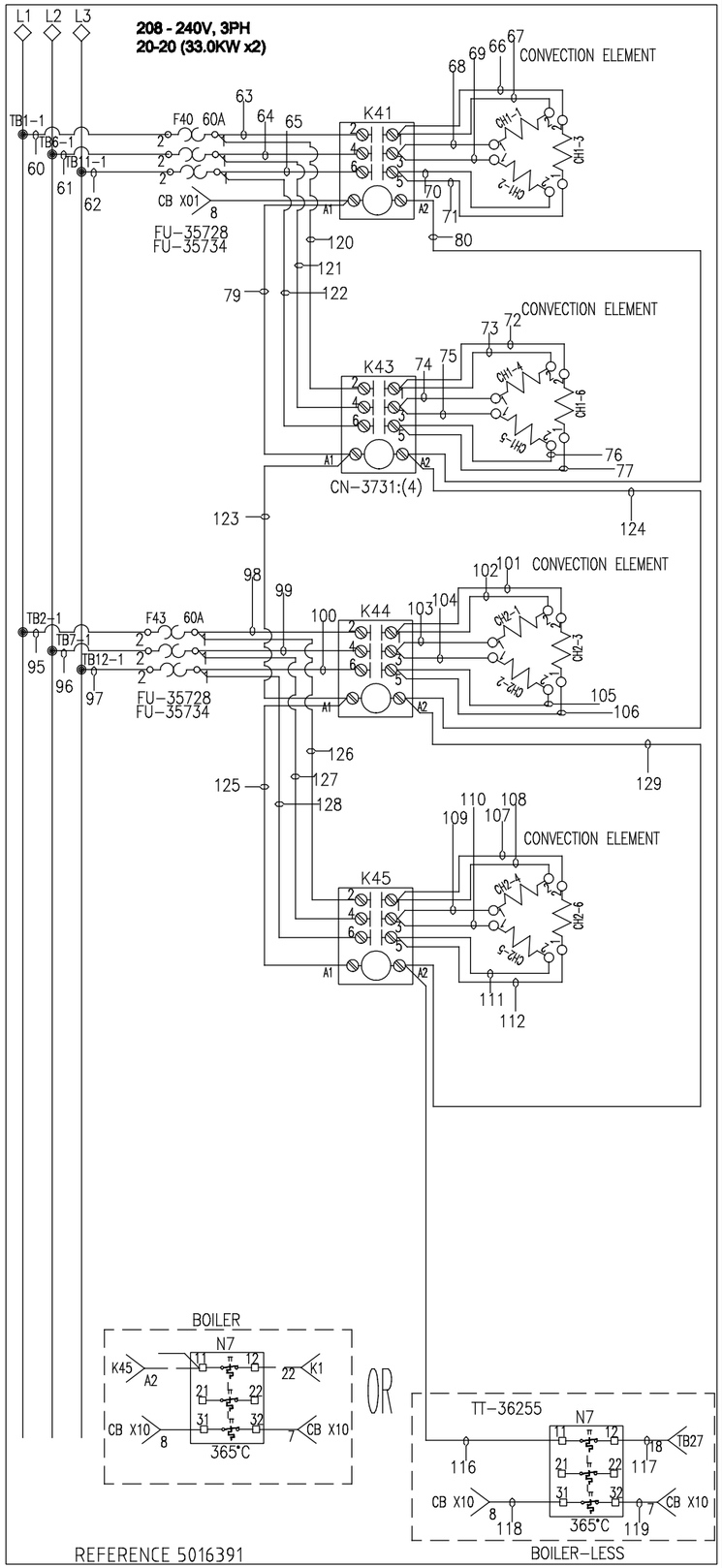
ALTO-SHAAM

WIRING DIAGRAM

20-10 208V 3PH CONVECTION SIMPLE

BY:	AFT	DWG:	77529	SHEET
DATE:	04/12/12			35 OF 42

CONVECTION SYSTEM SIMPLE



5016391 20-20 (EI); 208V 3PH; SIMPLE

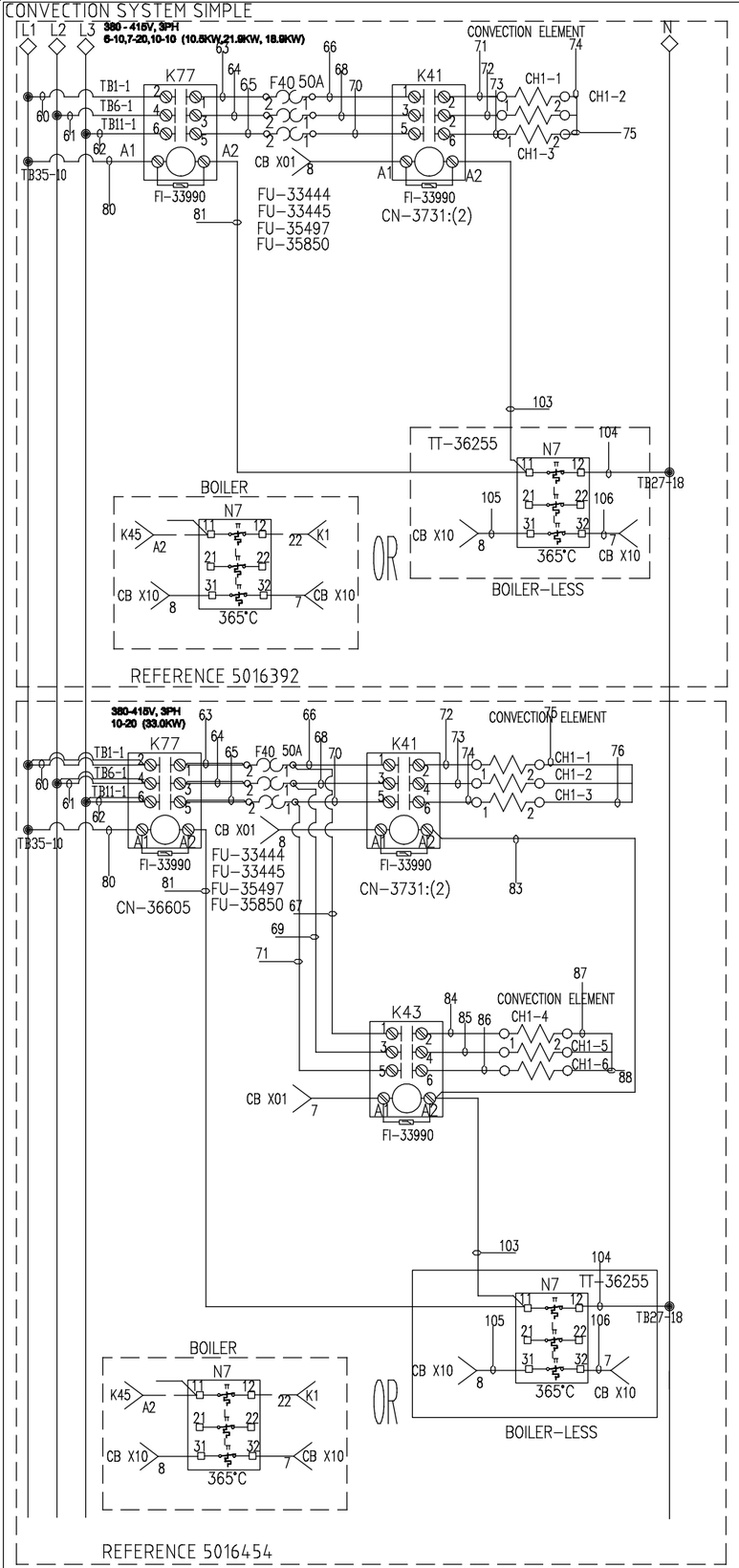
5016391-1W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
60	WI-3816	CR-34781	TB1	1	F40	2	CR-34781
60	WI-3816	CR-34781	TB1	1	F40	2	CR-34781
61	WI-3816	CR-34781	TB6	1	F41	2	CR-34781
61	WI-3816	CR-34781	TB6	1	F41	2	CR-34781
62	WI-3816	CR-34781	TB11	1	F42	2	CR-34781
62	WI-3816	CR-34781	TB11	1	F42	2	CR-34781
63	WI-3816	CR-34781	K41	2	F40	1	CR-34781
64	WI-3816	CR-34781	K41	4	F41	1	CR-34781
65	WI-3816	CR-34781	K41	6	F42	1	CR-34781
66	WI-3816	CR-34781	K41	1	CH1	3-2	CR-33008
67	WI-3816	CR-34781	K41	1	CH1	1-2	CR-33008
68	WI-3816	CR-34781	K41	3	CH1	1-1	CR-33008
69	WI-3816	CR-34781	K41	3	CH1	2-1	CR-33008
70	WI-3816	CR-34781	K41	5	CH1	2-2	CR-33008
71	WI-3816	CR-34781	K41	5	CH1	3-1	CR-33008
72	WI-3816	CR-34781	K43	1	CH1	6-2	CR-33008
73	WI-3816	CR-34781	K43	1	CH1	4-2	CR-33008
74	WI-3816	CR-34781	K43	3	CH1	4-1	CR-33008
75	WI-3816	CR-34781	K43	3	CH1	5-1	CR-33008
76	WI-3816	CR-34781	K43	5	CH1	5-2	CR-33008
77	WI-3816	CR-34781	K43	5	CH1	6-1	CR-33008
79	WI-33478	CR-3593	K41	A1	K43	A1	CR-3593
80	WI-33777	CR-3593	K41	A2	K43	A2	CR-3593
95	WI-3816	CR-34781	TB2	1	F43	2	CR-34781
95	WI-3816	CR-34781	TB2	1	F43	2	CR-34781
96	WI-3816	CR-34781	TB7	1	F44	2	CR-34781
96	WI-3816	CR-34781	TB7	1	F44	2	CR-34781
97	WI-3816	CR-34781	TB12	1	F45	2	CR-34781
97	WI-3816	CR-34781	TB12	1	F45	2	CR-34781
98	WI-3816	CR-34781	K44	2	F43	1	CR-34781
99	WI-3816	CR-34781	K44	4	F44	1	CR-34781
100	WI-3816	CR-34781	K44	6	F45	1	CR-34781
101	WI-3816	CR-34781	K44	1	CH2	3-2	CR-33008
102	WI-3816	CR-34781	K44	1	CH2	1-2	CR-33008
103	WI-3816	CR-34781	K44	3	CH2	1-1	CR-33008
104	WI-3816	CR-34781	K44	3	CH2	2-1	CR-33008
105	WI-3816	CR-34781	K44	5	CH2	2-2	CR-33008
106	WI-3816	CR-34781	K44	5	CH2	3-1	CR-33008
107	WI-3816	CR-34781	K45	1	CH2	6-2	CR-33008
108	WI-3816	CR-34781	K45	1	CH2	4-2	CR-33008
109	WI-3816	CR-34781	K45	3	CH2	4-1	CR-33008
110	WI-3816	CR-34781	K45	3	CH2	5-1	CR-33008
111	WI-3816	CR-34781	K45	5	CH2	5-2	CR-33008
112	WI-3816	CR-34781	K45	5	CH2	6-1	CR-33008
116	WI-33777	CR-3593	K45	A2	N7	11	CR-33509
117	WI-33777	CR-33509	TB27	18	N7	12	CR-33509
118	WI-33777	CR-33509	N7	31	CB-X10	8	CR-34783
119	WI-33777	CR-33509	N7	32	CB-X10	7	CR-34783
120	WI-3816	CR-34781	K43	2	F40	1	CR-34781
121	WI-3816	CR-34781	K43	4	F41	1	CR-34781
122	WI-3816	CR-34781	K43	6	F42	1	CR-34781
123	WI-33478	CR-3593	K43	A1	K44	A1	CR-3593
124	WI-33777	CR-3593	K43	A2	K44	A2	CR-3593
125	WI-33478	CR-3593	K44	A1	K45	A1	CR-3593
126	WI-3816	CR-34781	K45	2	F43	1	CR-34781
127	WI-3816	CR-34781	K45	4	F44	1	CR-34781
128	WI-3816	CR-34781	K45	6	F45	1	CR-34781
129	WI-33777	CR-3593	K44	A2	K45	A2	CR-3593

REFERENCE 5016391

REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM — WIRING DIAGRAM
20-20 208V 3PH CONVECTION SIMPLE

BY: AFT | DWG: 77529 | SHEET 36 OF 42
DATE: 04/12/12



5016392 6-10,10-10,7-20 (EI); 380V 3PH; SIMPLE

5016392-1W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
60	WI-3816	CR-34781	TB1	1	K77	2	CR-34781
61	WI-3816	CR-34781	TB6	1	K77	4	CR-34781
62	WI-3816	CR-34781	TB11	1	K77	6	CR-34781
63	WI-3816	CR-34781	F40	1	K77	1	CR-34781
64	WI-3816	CR-34781	F41	1	K77	3	CR-34781
65	WI-3816	CR-34781	F42	1	K77	5	CR-34781
66	WI-3816	CR-34781	F40	2	K41	1	CR-34781
68	WI-3816	CR-34781	F41	2	K41	3	CR-34781
70	WI-3816	CR-34781	F42	2	K41	5	CR-34781
71	WI-3816	CR-34781	K41	2	CH1	1-1	CR-33008
72	WI-3816	CR-34781	K41	4	CH1	2-1	CR-33008
73	WI-3816	CR-34781	K41	6	CH1	2-1	CR-33008
74	WI-3816	CR-34781	CH1	1-2	CH1	2-2	CR-33008
75	WI-3816	CR-33008	CH1	2-2	CH1	3-2	CR-33008
80	WI-33478	CR-34783	TB35	10	K77	A1	CR-3593
81	WI-33777	CR-3593	K77	A2	N7	11	CR-33509
103	WI-33777	CR-3593	K41	A2	N7	11	CR-33509
104	WI-33777	CR-33509	N7	12	TB27	18	CR-3593
105	WI-33777	CR-33509	N7	31	CB-X10	8	CR-34783
106	WI-33777	CR-33509	N7	32	CB-X10	7	CR-34783

5016454 10-20 (EI); 380V 3PH; SIMPLE

5016454-3W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
60	WI-3816	CR-34781	TB1	1	K77	2	CR-34781
60	WI-3816	CR-34781	TB1	1	K77	2	CR-34781
61	WI-3816	CR-34781	TB6	1	K77	4	CR-34781
61	WI-3816	CR-34781	TB6	1	K77	4	CR-34781
62	WI-3816	CR-34781	TB11	1	K77	6	CR-34781
62	WI-3816	CR-34781	TB11	1	K77	6	CR-34781
63	WI-3816	CR-34781	F40	2	K77	1	CR-34781
63	WI-3816	CR-34781	F40	2	K77	1	CR-34781
64	WI-3816	CR-34781	F41	2	K77	3	CR-34781
64	WI-3816	CR-34781	F41	2	K77	3	CR-34781
65	WI-3816	CR-34781	F42	2	K77	5	CR-34781
65	WI-3816	CR-34781	F42	2	K77	5	CR-34781
66	WI-3816	CR-34781	F40	1	K41	1	CR-34781
67	WI-3816	CR-34781	F40	1	K43	1	CR-34781
68	WI-3816	CR-34781	F41	1	K41	3	CR-34781
69	WI-3816	CR-34781	F41	1	K43	3	CR-34781
70	WI-3816	CR-34781	F42	1	K41	5	CR-34781
71	WI-3816	CR-34781	F42	1	K43	5	CR-34781
72	WI-3816	CR-34781	K41	2	CH1	1-1	CR-33008
73	WI-3816	CR-34781	K41	4	CH1	2-1	CR-33008
74	WI-3816	CR-34781	K41	6	CH1	3-1	CR-33008
75	WI-3816	CR-34781	CH1	1-2	CH1	2-2	CR-33008
76	WI-3816	CR-34781	CH1	3-2	CH1	2-2	CR-33008
80	WI-33478	CR-34783	TB35	10	K77	A1	CR-3593
81	WI-33777	CR-3593	K77	A2	N7	11	CR-33509
83	WI-33777	CR-3593	K41	A2	K43	A2	CR-3593
84	WI-3816	CR-34781	K43	2	CH1	4-1	CR-33008
85	WI-3816	CR-34781	K43	4	CH1	5-1	CR-33008
86	WI-3816	CR-34781	K43	6	CH1	6-1	CR-33008
87	WI-3816	CR-34781	CH1	5-2	CH1	4-2	CR-33008
88	WI-3816	CR-34781	CH1	5-2	CH1	6-2	CR-33008
103	WI-33777	CR-3593	K43	A2	N7	11	CR-34774
104	WI-33777	CR-33509	N7	12	TB27	18	CR-3593
105	WI-33777	CR-33509	N7	31	CB-X10	8	CR-34783
106	WI-33777	CR-33509	N7	32	CB-X10	7	CR-34783

REFERENCE 5016392

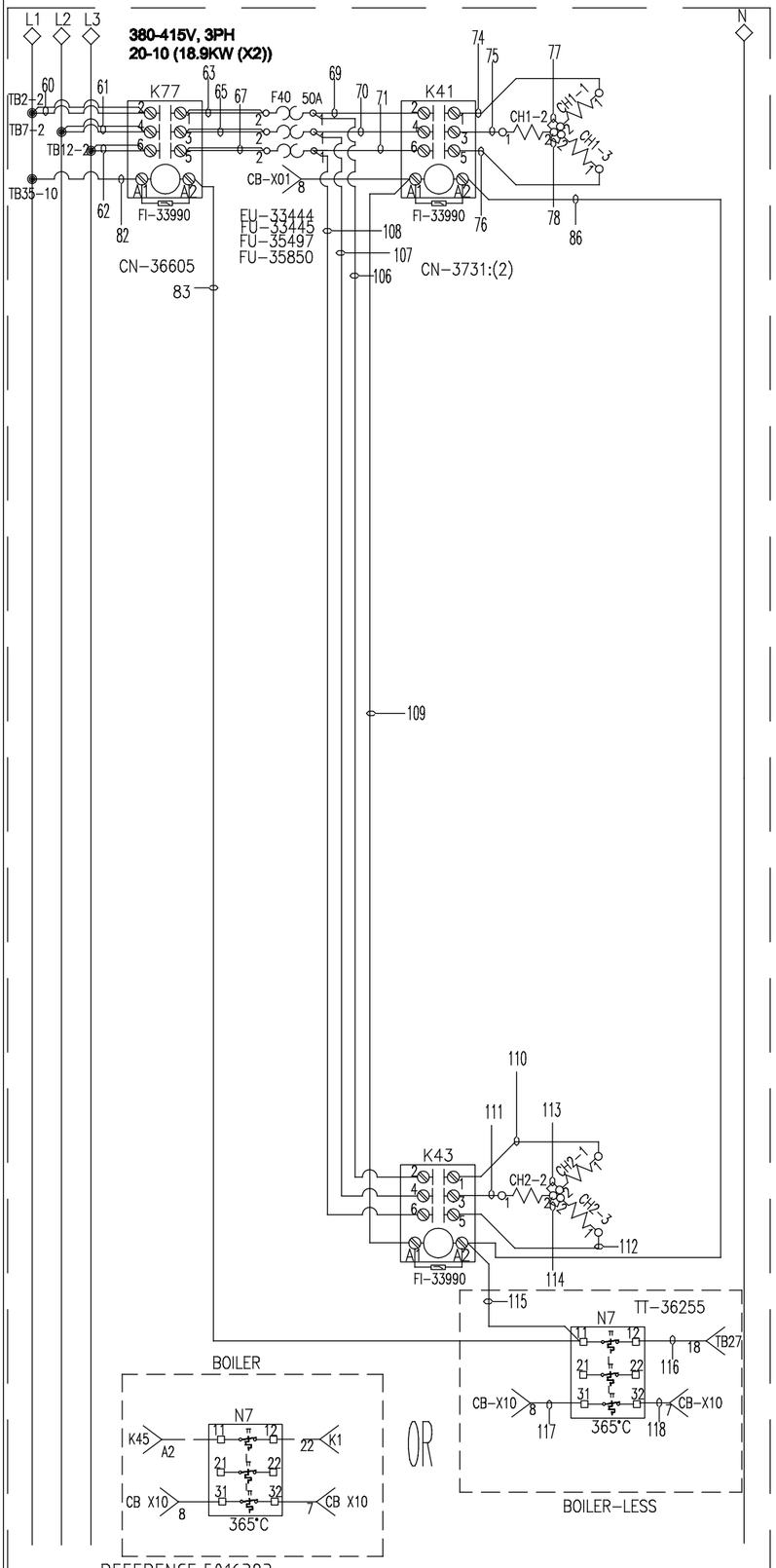
REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM — WIRING DIAGRAM

BY: AFT | DWG: 77529 | SHEET 37 OF 42

DATE: 04/12/12

CONVECTION SYSTEM SIMPLE



5016393 20-10 (EI); 380V 3PH; SIMPLE

5016393-1W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
60	WI-3816	CR-34781	TB2	2	K77	2	CR-34781
60	WI-3816	CR-34781	TB2	2	K77	2	CR-34781
61	WI-3816	CR-34781	TB7	2	K77	4	CR-34781
61	WI-3816	CR-34781	TB7	2	K77	4	CR-34781
62	WI-3816	CR-34781	TB12	2	K77	6	CR-34781
62	WI-3816	CR-34781	TB12	2	K77	6	CR-34781
63	WI-3816	CR-34775	F40	2	K77	1	CR-34781
63	WI-3816	CR-34775	F40	2	K77	1	CR-34781
65	WI-3816	CR-34775	F41	2	K77	3	CR-34781
65	WI-3816	CR-34775	F41	2	K77	3	CR-34781
67	WI-3816	CR-34775	F42	2	K77	5	CR-34781
67	WI-3816	CR-34775	F42	2	K77	5	CR-34781
69	WI-3816	CR-34775	F40	1	K41	2	CR-34781
70	WI-3816	CR-34775	F41	1	K41	4	CR-34781
71	WI-3816	CR-34775	F42	1	K41	6	CR-34781
74	WI-3816	CR-34781	K41	1	CH1	1-1	CR-33008
75	WI-3816	CR-34781	K41	3	CH1	2-1	CR-33008
76	WI-3816	CR-33008	K41	5	CH1	3-1	CR-33008
77	WI-3816	CR-33008	CH1	1-2	CH1	2-2	CR-33008
78	WI-3816	CR-33008	CH1	3-2	CH1	2-2	CR-33008
82	WI-33478	CR-34783	TB35	10	K77	A1	CR-3593
83	WI-33777	CR-3593	K77	A2	N7	11	CR-33509
86	WI-33777	CR-3593	K41	A2	K43	A2	CR-3593
106	WI-3816	CR-34775	F40	1	K43	2	CR-34781
107	WI-3816	CR-34775	F41	1	K43	4	CR-34781
108	WI-3816	CR-34775	F42	1	K43	6	CR-34781
109	WI-33478	CR-3593	K41	A1	K43	A1	CR-3593
110	WI-3816	CR-34781	K43	1	CH2	1-1	CR-33008
111	WI-3816	CR-34781	K43	3	CH2	2-1	CR-33008
112	WI-3816	CR-33008	K43	5	CH2	3-1	CR-33008
113	WI-3816	CR-33008	CH2	1-2	CH2	2-2	CR-33008
114	WI-3816	CR-33008	CH2	3-2	CH2	2-2	CR-33008
115	WI-33777	CR-3593	K43	A2	N7	11	CR-34774
116	WI-33777	CR-3593	TB27	18	N7	12	CR-33509
117	WI-33777	CR-33509	N7	31	CB-X10	8	CR-34783
118	WI-33777	CR-33509	N7	32	CB-X10	7	CR-34783

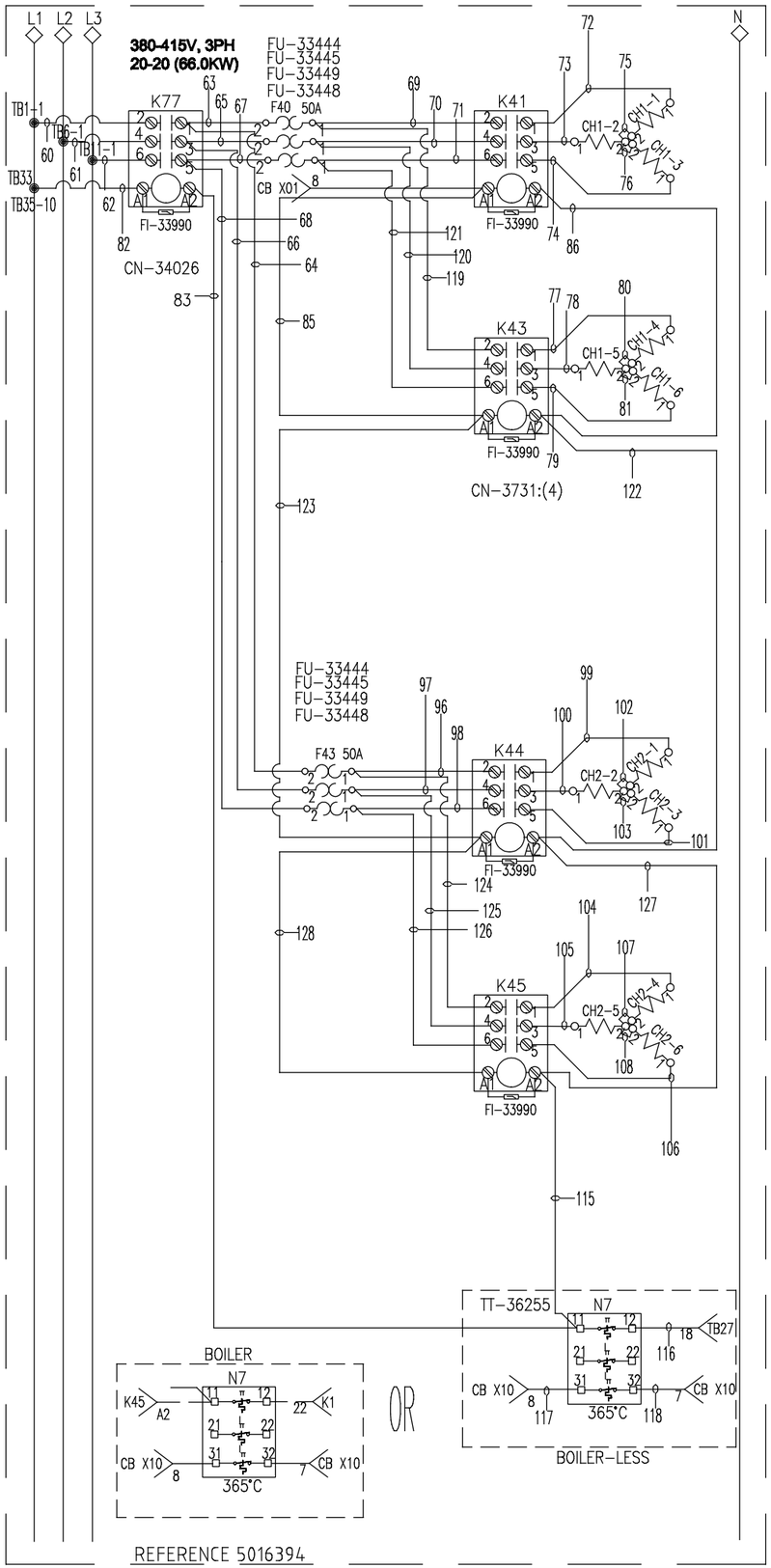
REFERENCE 5016393

REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM — WIRING DIAGRAM
20-10 3Ph 380V 60Hz CONVECTION SIMPLE

BY:	AFT	DWG:	77529	SHEET
DATE:	04/12/12			38 OF 42

CONVECTION SYSTEM SIMPLE



REFERENCE 5016394

5016394 20-20 (EI); 380V 3PH; SIMPLE

5016394-1W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
60	WI-3816	CR-34781	TB2	2	K77	2	CR-34781
60	WI-3816	CR-34781	TB2	2	K77	2	CR-34781
61	WI-3816	CR-34781	TB7	2	K77	4	CR-34781
61	WI-3816	CR-34781	TB7	2	K77	4	CR-34781
62	WI-3816	CR-34781	TB12	2	K77	6	CR-34781
62	WI-3816	CR-34781	TB12	2	K77	6	CR-34781
63	WI-3816	CR-34775	K77	1	F40	2	CR-34781
64	WI-3816	CR-34781	K77	1	F43	2	CR-34781
65	WI-3816	CR-34775	K77	3	F41	2	CR-34781
66	WI-3816	CR-34781	K77	3	F44	2	CR-34781
67	WI-3816	CR-34775	K77	5	F42	2	CR-34781
68	WI-3816	CR-34781	K77	5	F45	2	CR-34781
69	WI-3816	CR-34775	F40	1	K41	2	CR-34781
70	WI-3816	CR-34775	F41	1	K41	4	CR-34781
71	WI-3816	CR-34775	F42	1	K41	6	CR-34781
72	WI-3816	CR-34781	K41	1	CH1	1-1	CR-33008
73	WI-3816	CR-34781	K41	3	CH1	2-1	CR-33008
74	WI-3816	CR-34781	K41	5	CH1	3-1	CR-33008
75	WI-3816	CR-34781	CH1	1-2	CH1	2-2	CR-33008
76	WI-3816	CR-34781	CH1	3-2	CH1	2-2	CR-33008
77	WI-3816	CR-34781	K43	1	CH1	4-1	CR-33008
78	WI-3816	CR-34781	K43	3	CH1	5-1	CR-33008
79	WI-3816	CR-34781	K43	5	CH1	6-1	CR-33008
80	WI-3816	CR-33008	CH1	5-2	CH1	4-2	CR-33008
81	WI-3816	CR-33008	CH1	5-2	CH1	6-2	CR-33008
82	WI-33478	CR-34783	TB35	10	K77	A1	CR-3593
83	WI-33777	CR-3593	K77	A2	N7	11	CR-33509
85	WI-33478	CR-3593	K41	A1	K43	A1	CR-3593
86	WI-33777	CR-3593	K41	A2	K43	A2	CR-3593
96	WI-3816	CR-34775	F43	1	K44	2	CR-34781
97	WI-3816	CR-34775	F44	1	K44	4	CR-34781
98	WI-3816	CR-34775	F45	1	K44	6	CR-34781
99	WI-3816	CR-34781	K44	1	CH2	1-1	CR-33008
100	WI-3816	CR-34781	K44	3	CH2	2-1	CR-33008
101	WI-3816	CR-34781	K44	5	CH2	3-1	CR-33008
102	WI-3816	CR-33008	CH2	1-2	CH2	2-2	CR-33008
103	WI-3816	CR-33008	CH2	3-2	CH2	2-2	CR-3593
104	WI-3816	CR-34781	K45	1	CH2	4-1	CR-33008
105	WI-3816	CR-34781	K45	3	CH2	5-1	CR-33008
106	WI-3816	CR-34781	K45	5	CH2	6-1	CR-33008
107	WI-3816	CR-33008	CH2	4-2	CH2	5-2	CR-33008
108	WI-3816	CR-33008	CH2	6-2	CH2	5-2	CR-33008
115	WI-33777	CR-3593	K45	A2	N7	11	CR-34774
116	WI-33777	CR-34783	TB27	18	N7	12	CR-33509
117	WI-33777	CR-33509	N7	31	CB-X10	8	CR-34783
118	WI-33777	CR-33509	N7	32	CB-X10	7	CR-34783
119	WI-3816	CR-34781	F40	1	K43	2	CR-34781
120	WI-3816	CR-34781	F41	1	K43	4	CR-34781
121	WI-3816	CR-34781	F42	1	K43	6	CR-34781
127	WI-33777	CR-3593	K43	A2	K44	A2	CR-3593
123	WI-33478	CR-3593	K43	A1	K44	A1	CR-3593
124	WI-3816	CR-34781	F43	1	K45	2	CR-34781
125	WI-3816	CR-34781	F44	1	K45	4	CR-34781
126	WI-3816	CR-34781	F45	1	K45	6	CR-34781
127	WI-33777	CR-3593	K44	A2	K45	A2	CR-3593
128	WI-33478	CR-3593	K44	A1	K45	A1	CR-3593

REFERENCE 5016394

REV	ECO	DESCRIPTION	DATE	APP

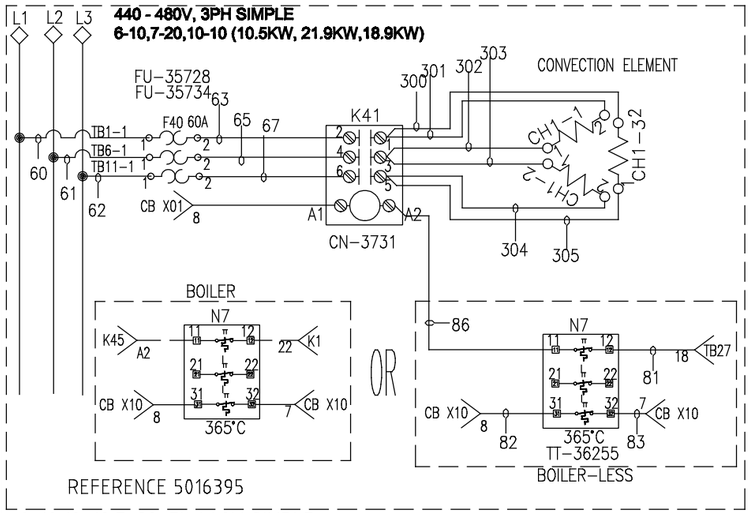
ALTO-SHAAM

WIRING DIAGRAM

ZS-XS-APH-380V-60Hz-CONVECTION-SIMPLE

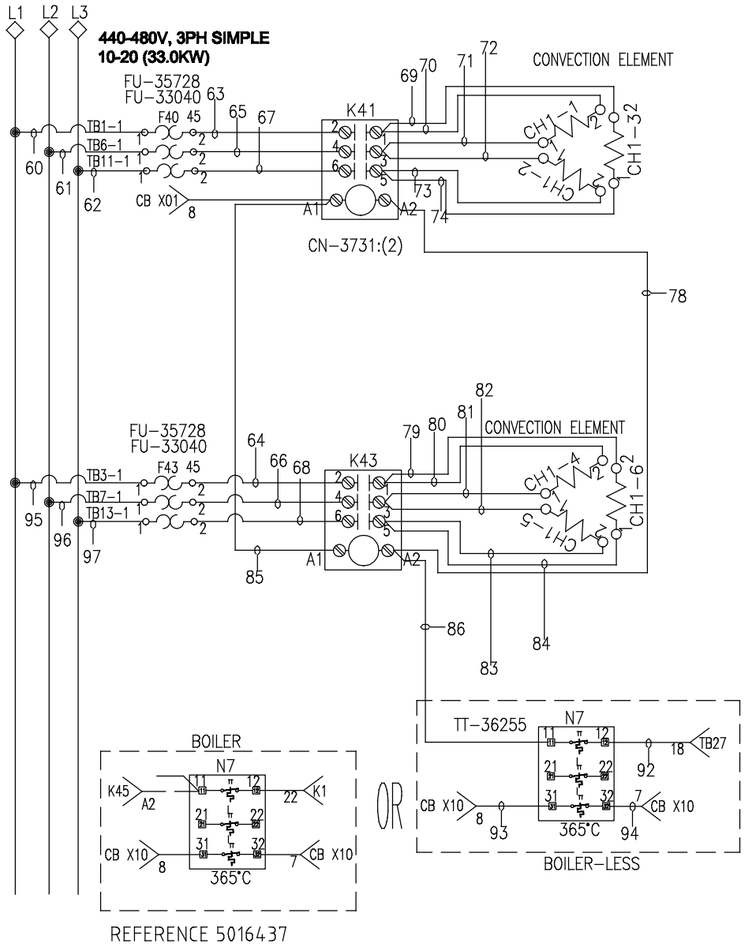
BY:	AFT	DWG:	77529	SHEET
DATE:	04/12/12			39 OF 42

CONVECTION SYSTEM SIMPLE



6-10,10-10,7-20;(EI) 440V SIMPLE

5016395-1w							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
60	WI-3816	CR-34781	TB1	1	F40	1	CR-34781
60	WI-3816	CR-34781	TB1	1	F40	1	CR-34781
61	WI-3816	CR-34781	TB6	1	F41	1	CR-34781
61	WI-3816	CR-34781	TB6	1	F41	1	CR-34781
62	WI-3816	CR-34781	TB11	1	F42	1	CR-34781
62	WI-3816	CR-34781	TB11	1	F42	1	CR-34781
63	WI-3816	CR-34781	K41	2	F40	2	CR-34781
65	WI-3816	CR-34781	K41	4	F41	2	CR-34781
67	WI-3816	CR-34781	K41	6	F42	2	CR-34781
300	WI-3816	CR-34781	K41	1	CH1	3-2	CR-33008
301	WI-3816	CR-34781	K41	1	CH1	1-2	CR-33008
302	WI-3816	CR-34781	K41	3	CH1	1-1	CR-33008
303	WI-3816	CR-34781	K41	3	CH1	2-1	CR-33008
304	WI-3816	CR-34781	K41	5	CH1	2-2	CR-33008
305	WI-3816	CR-34781	K41	5	CH1	3-1	CR-33008
86	WI-33777	CR-33509	N7	11	K41	A2	CR-3593
81	WI-33777	CR-34783	TB27	18	N7	12	CR-33509
82	WI-33777	CR-34783	CB-X10	8	N7	31	CR-33509
83	WI-33777	CR-34783	CB-X10	7	N7	32	CR-33509



5016437 10-20; (EI); 440V; SIMPLE

5016437-1W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
60	WI-3816	CR-34781	TB1	1	F40	1	CR-34781
60	WI-3816	CR-34781	TB1	1	F40	1	CR-34781
61	WI-3816	CR-34781	TB6	1	F41	1	CR-34781
61	WI-3816	CR-34781	TB6	1	F41	1	CR-34781
62	WI-3816	CR-34781	TB11	1	F42	1	CR-34781
62	WI-3816	CR-34781	TB11	1	F42	1	CR-34781
63	WI-3816	CR-34781	K41	2	F40	2	CR-34781
63	WI-3816	CR-34781	K41	2	F40	2	CR-34781
64	WI-3816	CR-34781	F43	2	K43	2	CR-34781
64	WI-3816	CR-34781	F43	2	K43	2	CR-34781
65	WI-3816	CR-34781	K41	4	F41	2	CR-34781
65	WI-3816	CR-34781	K41	4	F41	2	CR-34781
66	WI-3816	CR-34781	F44	2	K43	4	CR-34781
66	WI-3816	CR-34781	F44	2	K43	4	CR-34781
67	WI-3816	CR-34781	K41	6	F42	2	CR-34781
67	WI-3816	CR-34781	K41	6	F42	2	CR-34781
68	WI-3816	CR-34781	F45	2	K43	6	CR-34781
68	WI-3816	CR-34781	F45	2	K43	6	CR-34781
69	WI-3816	CR-34781	K41	1	CH1	3-2	CR-33008
70	WI-3816	CR-34781	K41	1	CH1	1-2	CR-33008
71	WI-3816	CR-34781	K41	3	CH1	1-1	CR-33008
72	WI-3816	CR-34781	K41	3	CH1	2-1	CR-33008
73	WI-3816	CR-34781	K41	5	CH1	2-2	CR-33008
74	WI-3816	CR-34781	K41	5	CH1	3-1	CR-33008
78	WI-33777	CR-3593	K41	A2	K43	A2	CR-3593
79	WI-3816	CR-34781	K43	1	CH1	6-2	CR-33008
80	WI-3816	CR-34781	K43	1	CH1	4-2	CR-33008
81	WI-3816	CR-34781	K43	3	CH1	4-1	CR-33008
82	WI-3816	CR-34781	K43	3	CH1	5-1	CR-33008
83	WI-3816	CR-34781	K43	5	CH1	5-2	CR-33008
84	WI-3816	CR-34781	K43	5	CH1	6-1	CR-33008
85	WI-33777	CR-3593	K41	A2	K43	A2	CR-3593
86	WI-33777	CR-33509	N7	11	K43	A2	CR-3593
92	WI-33777	CR-34783	TB27	18	N7	12	CR-33509
93	WI-33777	CR-34783	CB-X10	8	N7	31	CR-33509
94	WI-33777	CR-34783	CB-X10	7	N7	32	CR-33509
95	WI-3816	CR-34781	TB3	1	F43	1	CR-34781
95	WI-3816	CR-34781	TB3	1	F43	1	CR-34781
96	WI-3816	CR-34781	TB7	1	F44	1	CR-34781
96	WI-3816	CR-34781	TB7	1	F44	1	CR-34781
97	WI-3816	CR-34781	TB13	1	F45	1	CR-34781
97	WI-3816	CR-34781	TB13	1	F45	1	CR-34781

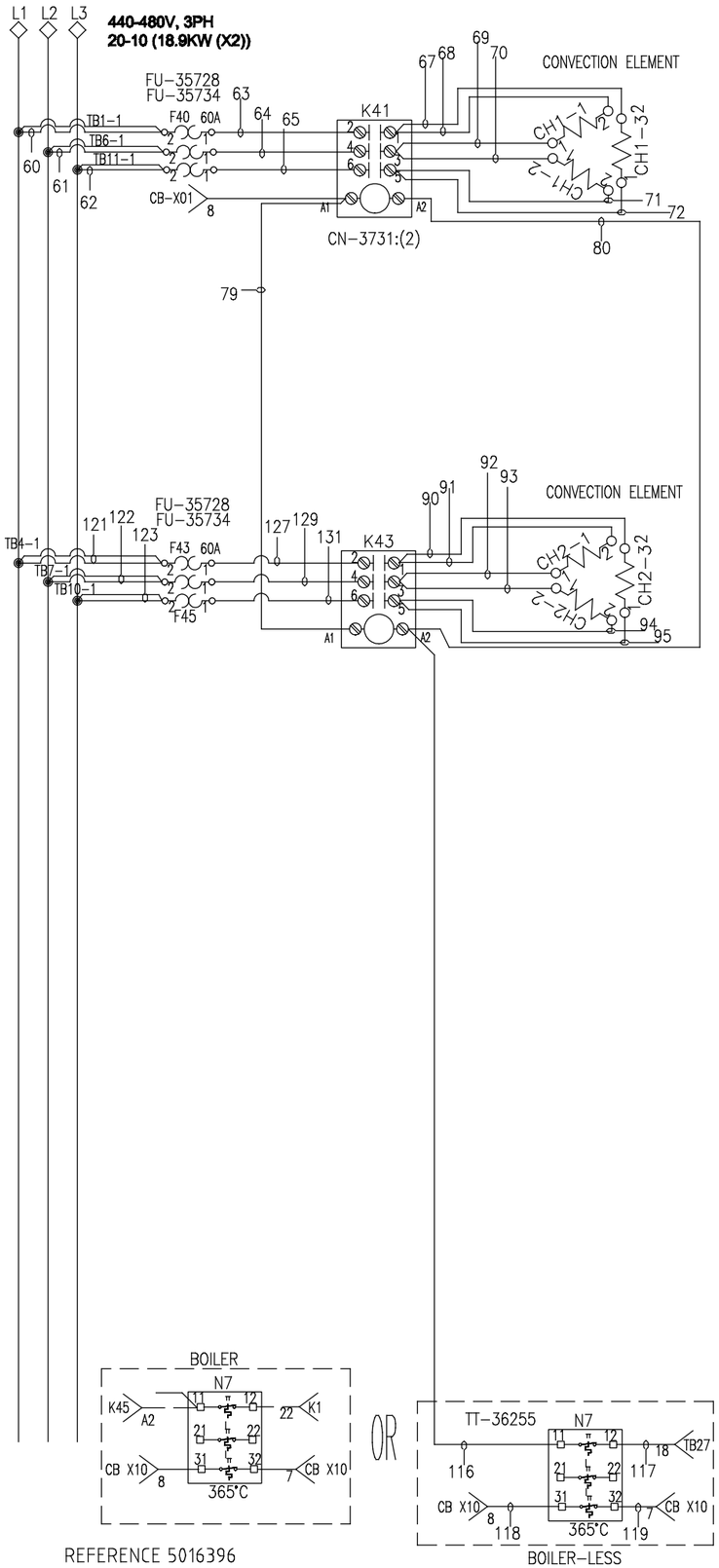
REFERENCE 5016395

REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM — WIRING DIAGRAM
6-10 UP TO 10-10 MDX CONVECTION OVEN(S)

BY:	AFT	DWG:	77529	SHEET
DATE:	04/12/12			40 OF 42

CONVECTION SYSTEM SIMPLE



REFERENCE 5016396

50156396 20-10 (EI); 440V 3PH; SIMPLE

5016396-1W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	L-CONN.
60	WI-3816	CR-34781	TB1	1	F40	2	CR-34781
60	WI-3816	CR-34781	TB1	1	F40	2	CR-34781
61	WI-3816	CR-34781	TB6	1	F41	2	CR-34781
61	WI-3816	CR-34781	TB6	1	F41	2	CR-34781
62	WI-3816	CR-34781	TB11	1	F42	2	CR-34781
62	WI-3816	CR-34781	TB11	1	F42	2	CR-34781
63	WI-3816	CR-34781	K41	2	F40	1	CR-34781
64	WI-3816	CR-34781	K41	4	F41	1	CR-34781
65	WI-3816	CR-34781	K41	6	F42	1	CR-34781
67	WI-3816	CR-34781	K41	1	CH1	3-2	CR-33008
68	WI-3816	CR-34781	K41	1	CH1	1-2	CR-33008
69	WI-3816	CR-34781	K41	3	CH1	1-1	CR-33008
70	WI-3816	CR-34781	K41	3	CH1	2-1	CR-33008
71	WI-3816	CR-34781	K41	5	CH1	2-2	CR-33008
72	WI-3816	CR-34781	K41	5	CH1	3-1	CR-33008
79	WI-33478	CR-3593	K41	A1	K43	A1	CR-3593
80	WI-33777	CR-3593	K41	A2	K43	A2	CR-3593
90	WI-3816	CR-34781	K43	1	CH2	3-2	CR-33008
91	WI-3816	CR-34781	K43	1	CH2	1-2	CR-33008
92	WI-3816	CR-34781	K43	3	CH2	1-1	CR-33008
93	WI-3816	CR-34781	K43	3	CH2	2-1	CR-33008
94	WI-3816	CR-34781	K43	5	CH2	2-2	CR-33008
95	WI-3816	CR-34781	K43	5	CH2	3-1	CR-33008
116	WI-33777	CR-3593	K43	A2	N7	11	CR-33509
117	WI-33777	CR-33509	TB27	18	N7	12	CR-33509
118	WI-33777	CR-33509	N7	31	CB-X10	8	CR-34783
119	WI-33777	CR-33509	N7	32	CB-X10	7	CR-34783
121	WI-3816	CR-34781	K43	2	F43	2	CR-34781
121	WI-3816	CR-34781	K43	2	F43	2	CR-34781
122	WI-3816	CR-34781	K43	4	F44	2	CR-34781
122	WI-3816	CR-34781	K43	4	F44	2	CR-34781
123	WI-3816	CR-34781	K43	6	F45	2	CR-34781
123	WI-3816	CR-34781	K43	6	F45	2	CR-34781
127	WI-3816	CR-34781	K43	2	F43	1	CR-34781
129	WI-3816	CR-34781	K43	4	F44	1	CR-34781
131	WI-3816	CR-34781	K43	6	F45	1	CR-34781

REFERENCE 5016396

REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM

WIRING DIAGRAM

20-10 440V CONVECTION SIMPLE

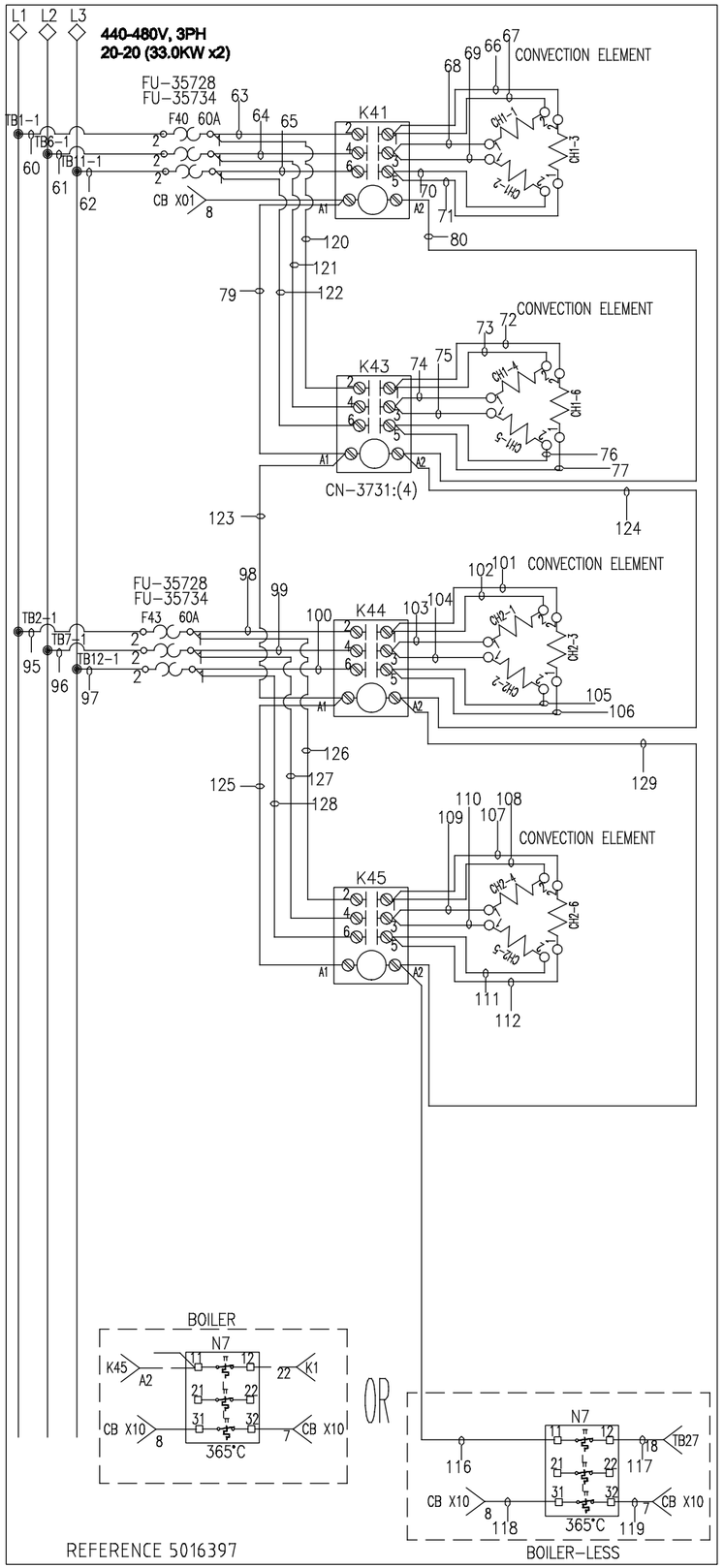
BY: AFT

DATE: 04/12/12

DWG: 77529

SHEET 41 OF 42

CONVECTION SYSTEM SIMPLE



5016397 20-20 (EI); 440V 3PH; SIMPLE

5016397-1W							
#	WI-STOCK	T-CONN.	FROM	TERM LOC	TO	TERM LOC	I-CONN.
60	WI-3816	CR-34781	TB1	1	F40	2	CR-34781
60	WI-3816	CR-34781	TB1	1	F40	2	CR-34781
61	WI-3816	CR-34781	TB6	1	F41	2	CR-34781
61	WI-3816	CR-34781	TB6	1	F41	2	CR-34781
62	WI-3816	CR-34781	TB11	1	F42	2	CR-34781
62	WI-3816	CR-34781	TB11	1	F42	2	CR-34781
63	WI-3816	CR-34781	K41	2	F40	1	CR-34781
64	WI-3816	CR-34781	K41	4	F41	1	CR-34781
65	WI-3816	CR-34781	K41	6	F42	1	CR-34781
66	WI-3816	CR-34781	K41	1	CH1	3-2	CR-33008
67	WI-3816	CR-34781	K41	1	CH1	1-2	CR-33008
68	WI-3816	CR-34781	K41	3	CH1	1-1	CR-33008
69	WI-3816	CR-34781	K41	3	CH1	2-1	CR-33008
70	WI-3816	CR-34781	K41	5	CH1	2-2	CR-33008
71	WI-3816	CR-34781	K41	5	CH1	3-1	CR-33008
72	WI-3816	CR-34781	K43	1	CH1	6-2	CR-33008
73	WI-3816	CR-34781	K43	1	CH1	4-2	CR-33008
74	WI-3816	CR-34781	K43	3	CH1	4-1	CR-33008
75	WI-3816	CR-34781	K43	3	CH1	5-1	CR-33008
76	WI-3816	CR-34781	K43	5	CH1	5-2	CR-33008
77	WI-3816	CR-34781	K43	5	CH1	6-1	CR-33008
79	WI-33478	CR-3593	K41	A1	K43	A1	CR-3593
80	WI-33777	CR-3593	K41	A2	K43	A2	CR-3593
95	WI-3816	CR-34781	TB2	1	F43	2	CR-34781
95	WI-3816	CR-34781	TB2	1	F43	2	CR-34781
96	WI-3816	CR-34781	TB7	1	F44	2	CR-34781
96	WI-3816	CR-34781	TB7	1	F44	2	CR-34781
97	WI-3816	CR-34781	TB12	1	F45	2	CR-34781
97	WI-3816	CR-34781	TB12	1	F45	2	CR-34781
98	WI-3816	CR-34781	K44	2	F43	1	CR-34781
99	WI-3816	CR-34781	K44	4	F44	1	CR-34781
100	WI-3816	CR-34781	K44	6	F45	1	CR-34781
101	WI-3816	CR-34781	K44	1	CH2	3-2	CR-33008
102	WI-3816	CR-34781	K44	1	CH2	1-2	CR-33008
103	WI-3816	CR-34781	K44	3	CH2	1-1	CR-33008
104	WI-3816	CR-34781	K44	3	CH2	2-1	CR-33008
105	WI-3816	CR-34781	K44	5	CH2	2-2	CR-33008
106	WI-3816	CR-34781	K44	5	CH2	3-1	CR-33008
107	WI-3816	CR-34781	K45	1	CH2	6-2	CR-33008
108	WI-3816	CR-34781	K45	1	CH2	4-2	CR-33008
109	WI-3816	CR-34781	K45	3	CH2	4-1	CR-33008
110	WI-3816	CR-34781	K45	3	CH2	5-1	CR-33008
111	WI-3816	CR-34781	K45	5	CH2	5-2	CR-33008
112	WI-3816	CR-34781	K45	5	CH2	6-1	CR-33008
116	WI-33777	CR-3593	K45	A2	N7	11	CR-33509
117	WI-33777	CR-33509	TB27	18	N7	12	CR-33509
118	WI-33777	CR-33509	N7	31	CB-X10	8	CR-34783
119	WI-33777	CR-33509	N7	32	CB-X10	7	CR-34783
120	WI-3816	CR-34781	K43	2	F40	1	CR-34781
121	WI-3816	CR-34781	K43	4	F41	1	CR-34781
122	WI-3816	CR-34781	K43	6	F42	1	CR-34781
123	WI-33478	CR-3593	K43	A1	K44	A1	CR-3593
124	WI-33777	CR-3593	K43	A2	K44	A2	CR-3593
125	WI-33478	CR-3593	K44	A1	K45	A1	CR-3593
126	WI-3816	CR-34781	K45	2	F43	1	CR-34781
127	WI-3816	CR-34781	K45	4	F44	1	CR-34781
128	WI-3816	CR-34781	K45	6	F45	1	CR-34781
129	WI-33777	CR-3593	K44	A2	K45	A2	CR-3593

REV	ECO	DESCRIPTION	DATE	APP

ALTO-SHAAM — WIRING DIAGRAM — 20-20 440V CONVECTION SIMPLE

BY: AFT | DWG: 77529 | SHEET 42 OF 42

DATE: 04/12/12