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CONTROL TRANSFORMER SECONDARY CLASS CC		
DESIGNATION	VOLTAGE	RATING
1F13 1F14	380V	10A
	460V	10A
	400V	10A
	575V	10A
CONTROL TRANSFORMER PRIMARY CLASS CC		
1F15 1F16	380V	5A
	460V	5A
	400V	5A
	575V	5A

CONDENSER FANS CLASS CC		
DESIGNATION	TONNAGE	RATING
1F1 1F2 1F3	115, 130	20A
	150, 170, 180	30A
	200, 215, 230, 250, 270	30A
1F4 1F5 1F6	115, 130	30A
	150, 170, 180	30A
	200, 215, 230, 250, 270	30A
1F7 1F8 1F9	115, 130	30A
	150, 170, 180	30A
	200, 215, 230, 250, 270	30A
1F10 1F11 1F12	115, 130	20A
	150, 170, 180	30A
	200, 215, 230, 250, 270	30A

GENERAL NOTES:

1. UNLESS OTHERWISE NOTED, ALL SWITCHES ARE SHOWN AT 25C (77F), AT ATMOSPHERIC PRESSURE, AT 50% RELATIVE HUMIDITY, WITH ALL POWER REMOVED, AND AFTER A NORMAL SHUTDOWN HAS OCCURRED.
2. WIRES REPRESENTED BY DASHED LINES INDICATE RECOMMENDED FIELD WIRING BY OTHERS. WIRES REPRESENTED BY SOLID LINES INDICATE FACTORY INSTALLED WIRING.
3. DASHED LINE ENCLOSURES AND/OR DASHED DEVICE OUTLINES INDICATE OPTIONAL COMPONENTS/WIRING.
4. NUMBERS ALONG THE RIGHT SIDE OF THE SCHEMATIC DESIGNATE THE LOCATION OF COMPONENT CONTACTS BY LINE NUMBER.
AN UNDERLINED NUMBER INDICATES A NORMALLY CLOSED CONTACT.
5. ALL FIELD WIRING MUST BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC), STATE, AND LOCAL CODES.
6. CLASS 1 FIELD WIRING INSULATION RATING IS REQUIRED TO BE EQUAL TO OR GREATER THAN THE EQUIPMENT SUPPLY VOLTAGE RATING. CLASS 2 FIELD WIRING INSULATION IS REQUIRED TO BE RATED AT 300 V MINIMUM.

FLAG NOTES:

- 1 COMPONENT (LLIDS) ARE NOT NECESSARILY WIRED ON THE IPC BUS IN THE ORDER SHOWN ON SCHEMATIC.
- 2 EXTERNAL STOP AND EMERGENCY STOP CONTACTS ARE JUMPERED IN THE FACTORY BY JUMPERS W1 & W2 TO ENABLE UNIT OPERATION. IF REMOTE CONTROL IS DESIRED, REMOVE THE JUMPERS AND CONNECT TO THE DESIRED CONFIGURATION.
- 3 CONTACT CLOSURE ENABLES ICE MAKING.
- 4 FIELD ASSIGNED PROGRAMMABLE RELAYS.
- 5 ALL UNIT POWER WIRING MUST BE COPPER CONDUCTORS ONLY AND HAVE A MINIMUM INSULATION TEMPERATURE RATING OF 90C.
- 6 CONNECTIONS ARE INTENDED FOR CLASS 2 ONLY.
- 7 ONLY ONE OF THE SHOWN VOLTAGES CAN BE UTILIZED. REFER TO THE UNIT NAMEPLATE FOR THE CORRECT SUPPLY VOLTAGE.
- 8 POWER FOR THE EVAPORATOR HEATER AND/OR OPTIONAL CONVENIENCE OUTLET IS SUPPLIED BY A CUSTOMER PROVIDED POWER SUPPLY, MAX FUSE SIZE IS 20 AMPS FOR EVAPORATORS AND 20 AMPS FOR OPTIONAL CONVENIENCE OUTLET.
- 9 WIRING FOR 1K24 AS SHOWN IN INSET WHEN CHILLED WATER SETPOINT IS ENABLED VIA MODULE 1K25.
- 10 TERMINALS 5 & 6 ARE TO BE WIRED TO CUSTOMER DEMAND LIMIT SETPOINT. INPUT CONFIGURED 2-10 VDC FROM FACTORY. SEE OPERATING INSTRUCTIONS TO CONFIGURE FOR 4-20 mA.
- 11 TERMINALS 2 & 3 ARE TO BE WIRED TO CUSTOMER CHILLED WATER SETPOINT. INPUT CONFIGURED 2-10 VDC FROM FACTORY. SEE OPERATING INSTRUCTIONS TO CONFIGURE FOR 4-20 mA.
- 12 TERMINALS 1 & 3 ARE TO BE WIRED TO REPORT % CAPACITY. OUTPUT CONFIGURED 2-10 VDC.
- 13 WIRES 4B, 5B, 6B, 7B, 8B, 9B ONLY PRESENT WHEN PARALLEL WIRE SETS ARE USED.
- 14 RELAY RATINGS AT 120VAC: 7.2 AMPS RESISTIVE, 2.88 AMPS PILOT DUTY, 1/3 HP, 7.2 FLA.
RELAY RATINGS AT 240VAC: 5 AMPS GENERAL PURPOSE.
- 15 SEE AFD PARAMETER LABEL X39003970 FOR ADDITIONAL CONFIGURATION INFORMATION.
- 16 CUSTOMER SUPPLIED POWER 115/60/1PH OR 230/50/1PH TO POWER RELAYS. MAX FUSE SIZE IS 20 AMPS. GROUND ALL CUSTOMER SUPPLIED POWER SUPPLIES AS REQUIRED BY APPLICABLE CODES. GREEN GROUND SCREWS ARE PROVIDED IN UNIT CONTROL PANEL.
- 17 SHIELDING TO BE GROUNDED AT THE JUNCTION BOX ONLY.
- 18 OPTIONAL TOTAL FREE COOLING.
- 19 437A-440A DOES NOT HAVE A TERMINATION POINT

⚠ WARNING

HAZARDOUS VOLTAGE!

DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS AND FOLLOW LOCK OUT AND TAG PROCEDURES BEFORE SERVICING. INSURE THAT ALL MOTOR CAPACITORS HAVE DISCHARGED STORED VOLTAGE. UNITS WITH VARIABLE SPEED DRIVE, REFER TO DRIVE INSTRUCTIONS FOR CAPACITOR DISCHARGE. FAILURE TO DO THE ABOVE COULD RESULT IN DEATH OR SERIOUS INJURY.

⚠ AVERTISSEMENT

TENSION DANGEREUSE!

COUPER TOUTES LES TENSIONS ET OUVRIR LES SECTIONNEURS A DISTANCE, PUIS SUIVRE LES PROCEDURES DE VERROUILLAGE ET DES ETIQUETTES AVANT TOUTE INTERVENTION. VERIFIER QUE TOUS LES CONDENSATEURS DES MOTEURS SONT DECHARGES. DANS LE CAS D'UNITES COMPORTANT DES ENTRAÎNEMENTS A VITESSE VARIABLE, SE REPORTER AUX INSTRUCTIONS DE L'ENTRAÎNEMENT POUR DECHARGER LES CONDENSATEURS. UN MANQUEMENT A LA PROCEDURE CI-DESSUS PEUT ENTRAÎNER DES BLESSURES GRAVES, VOIRE LA MORT.

⚠ ADVERTENCIA

¡VOLTAJE PELIGROSO!

DESCONECTE TODA LA ENERGÍA ELÉCTRICA, INCLUSO LAS DESCONEXIONES REMOTAS Y SIGA LOS PROCEDIMIENTOS DE CIERRE Y ETIQUETADO ANTES DE PROCEDER AL SERVICIO. ASEGÚRESE DE QUE TODOS LOS CAPACITORES DEL MOTOR HAYAN DESCARGADO EL VOLTAJE ALMACENADO. PARA LAS UNIDADES CON TRANSMISIÓN DE VELOCIDAD VARIABLE, CONSULTE LAS INSTRUCCIONES PARA LA DESCARGA DEL CONDENSADOR. NO REALIZAR LO ANTEDICHO PUEDE PROVOCAR LA MUERTE O LESIONES GRAVES.

NOTICE

USE COPPER CONDUCTORS ONLY! UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS. FAILURE TO DO THE ABOVE COULD RESULT IN EQUIPMENT DAMAGE.

AVIS

N'UTILISER QUE DES CONDUCTEURS EN CUIVRE! LES BORNES DE L'UNITÉ NE SONT PAS CONÇUES POUR RECEVOIR D'AUTRES TYPES DE CONDUCTEURS. UN MANQUEMENT À LA PROCÉDURE CI-DESSUS PEUT ENTRAÎNER DES DOMMAGES À L'ÉQUIPEMENT.

AVISO

¡UTILICE ÚNICAMENTE CONDUCTORES DE COBRE! LAS TERMINALES DE LA UNIDAD NO ESTÁN DISEÑADAS PARA ACEPTAR OTROS TIPOS DE CONDUCTORES. NO REALIZAR LO ANTEDICHO PUEDE PROVOCAR DAÑOS EN EL EQUIPO.

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CAD: CREO SCHEMATICS

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RTAF

STANDARD EFFICIENCY 270T
HIGH EFFICIENCY 115T-250T

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DEVICE	DESCRIPTION	ZONE
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1B1	Temperature Switch; Ventilation Fan Enable	285
1B2	Temperature Switch; Ventilation Fan Enable	346
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4BP3	Pressure Transducer; Oil Pressure Circuit 2A	631
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DEVICE PREFIX LOCATION CODE	
AREA	LOCATION
1	CONTROL PANEL
2	NOT USED
3	CIRCUIT 1
4	CIRCUIT 2
5	CUSTOMER REMOTELY INSTALLED
6	UNIT WIRING

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LEGEND

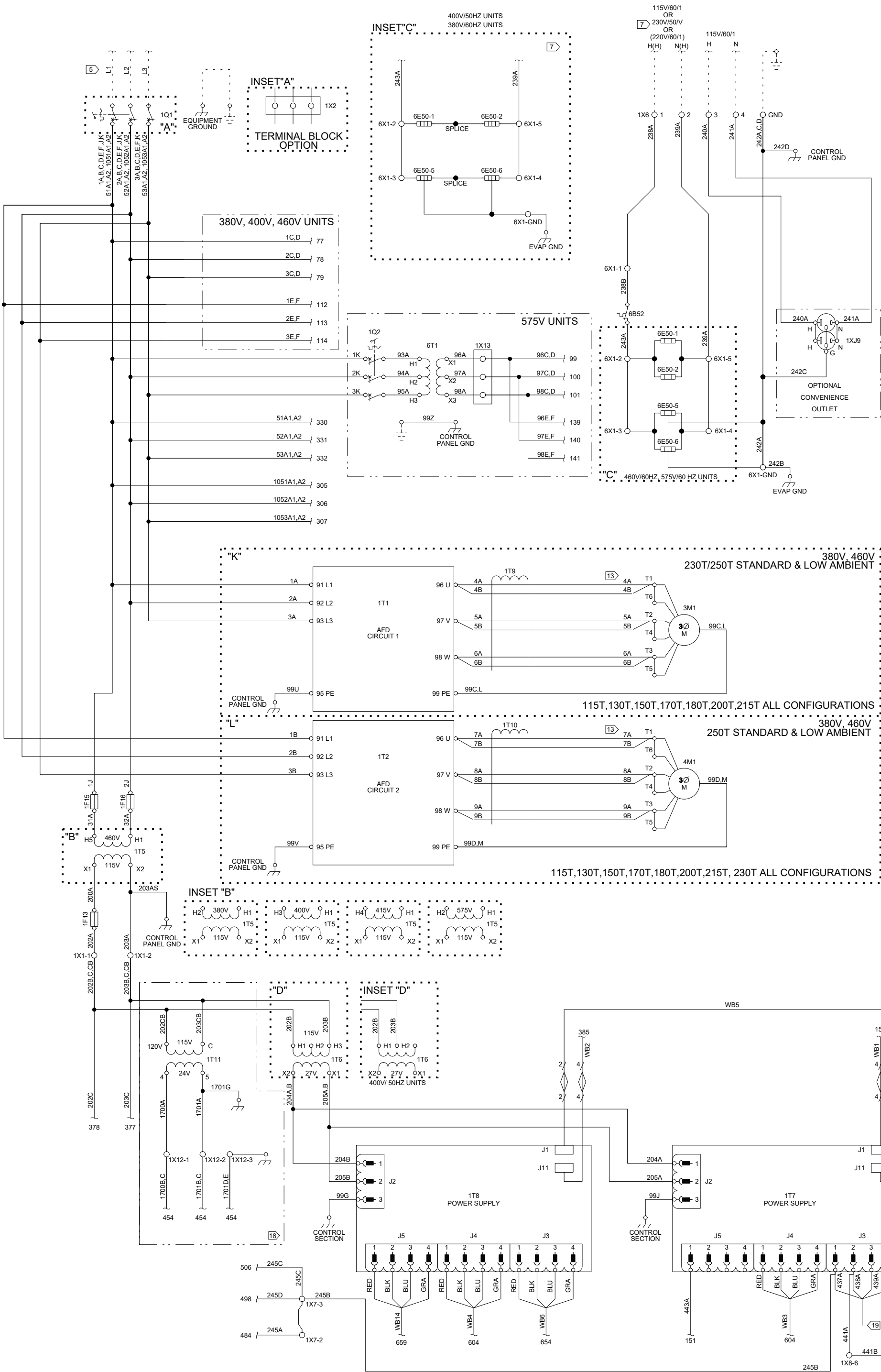
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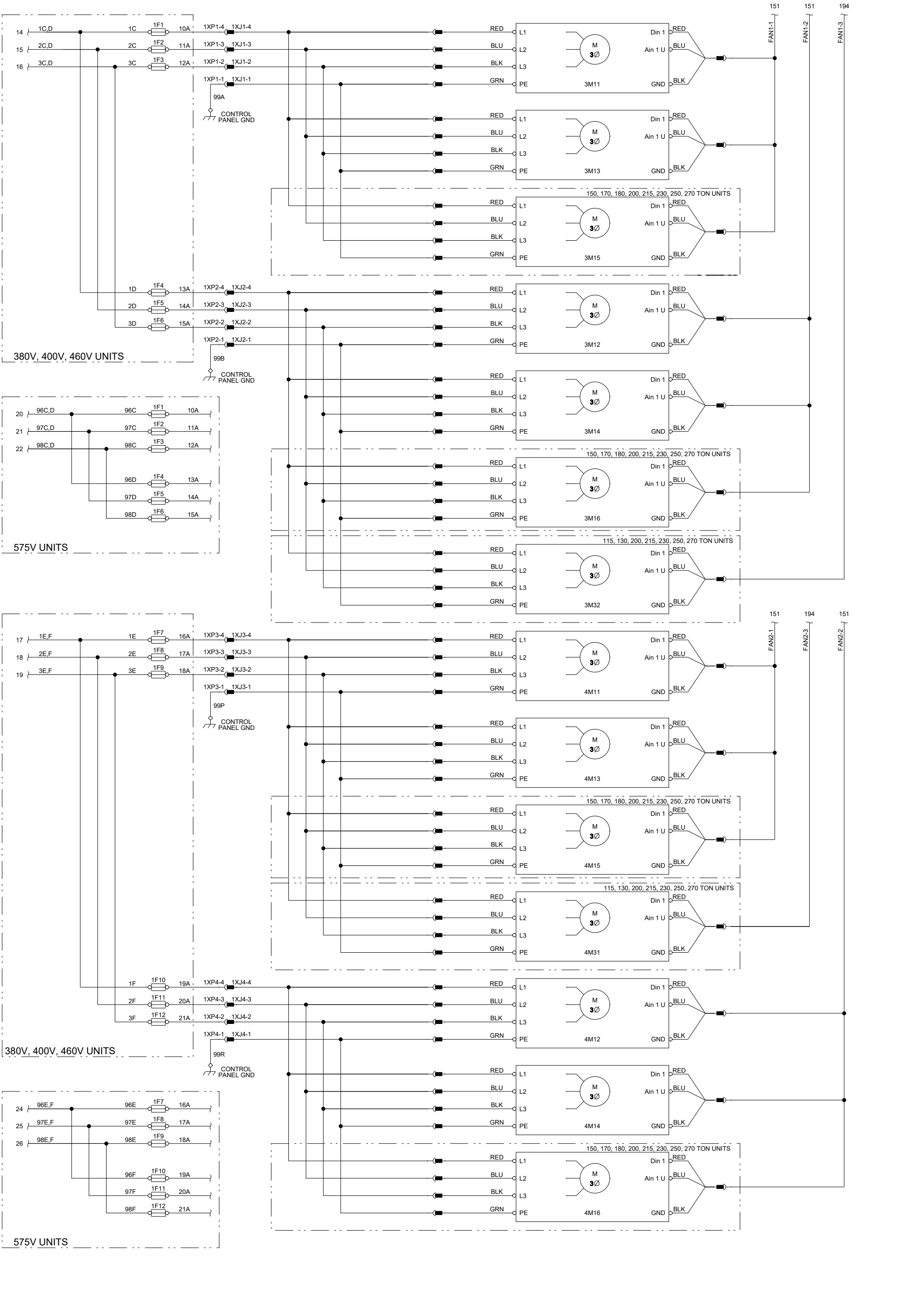
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HIGH EFFICIENCY 115T-250T

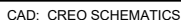
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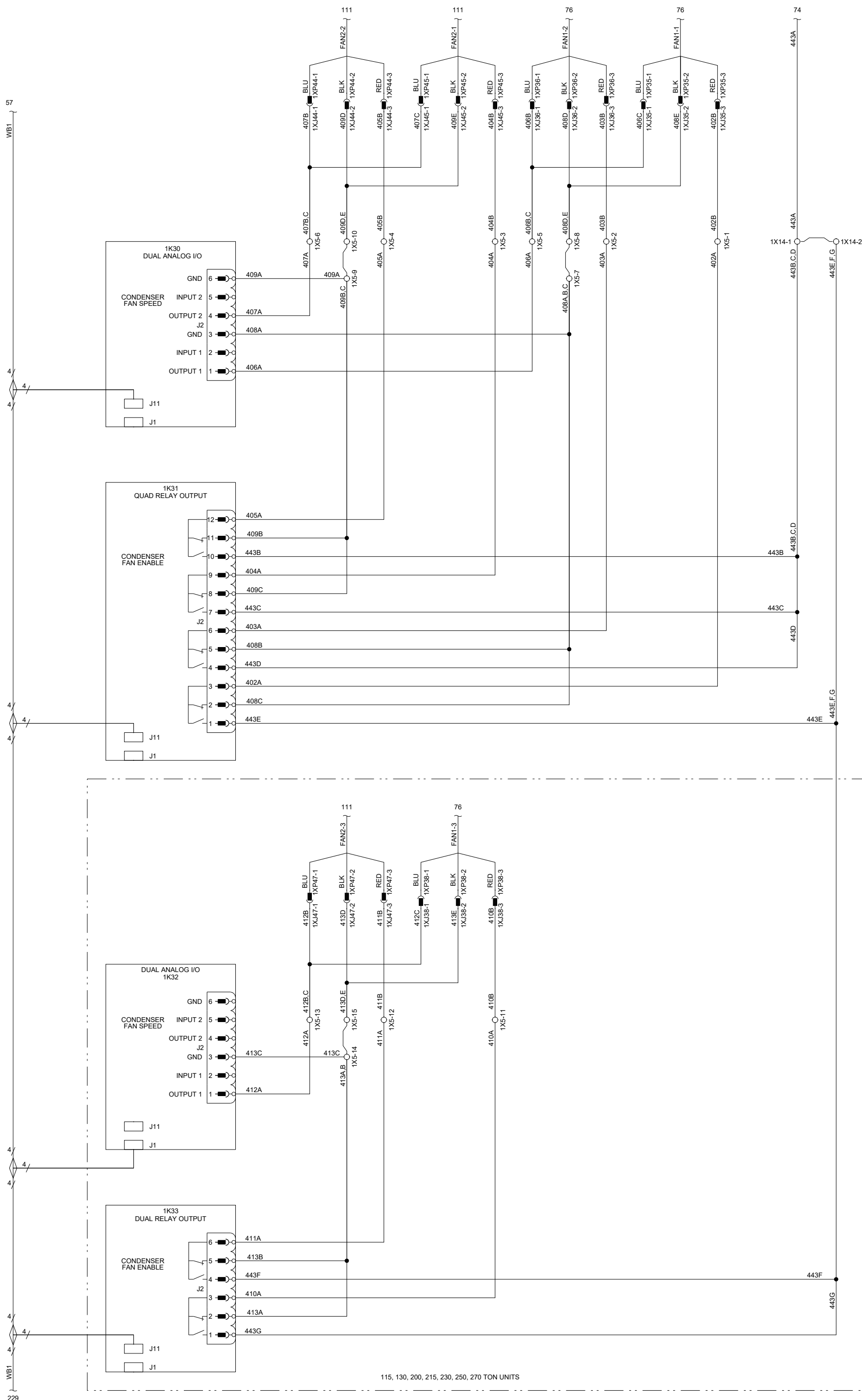
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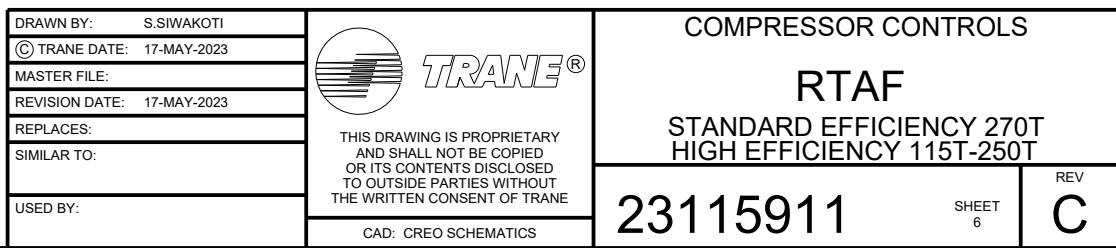
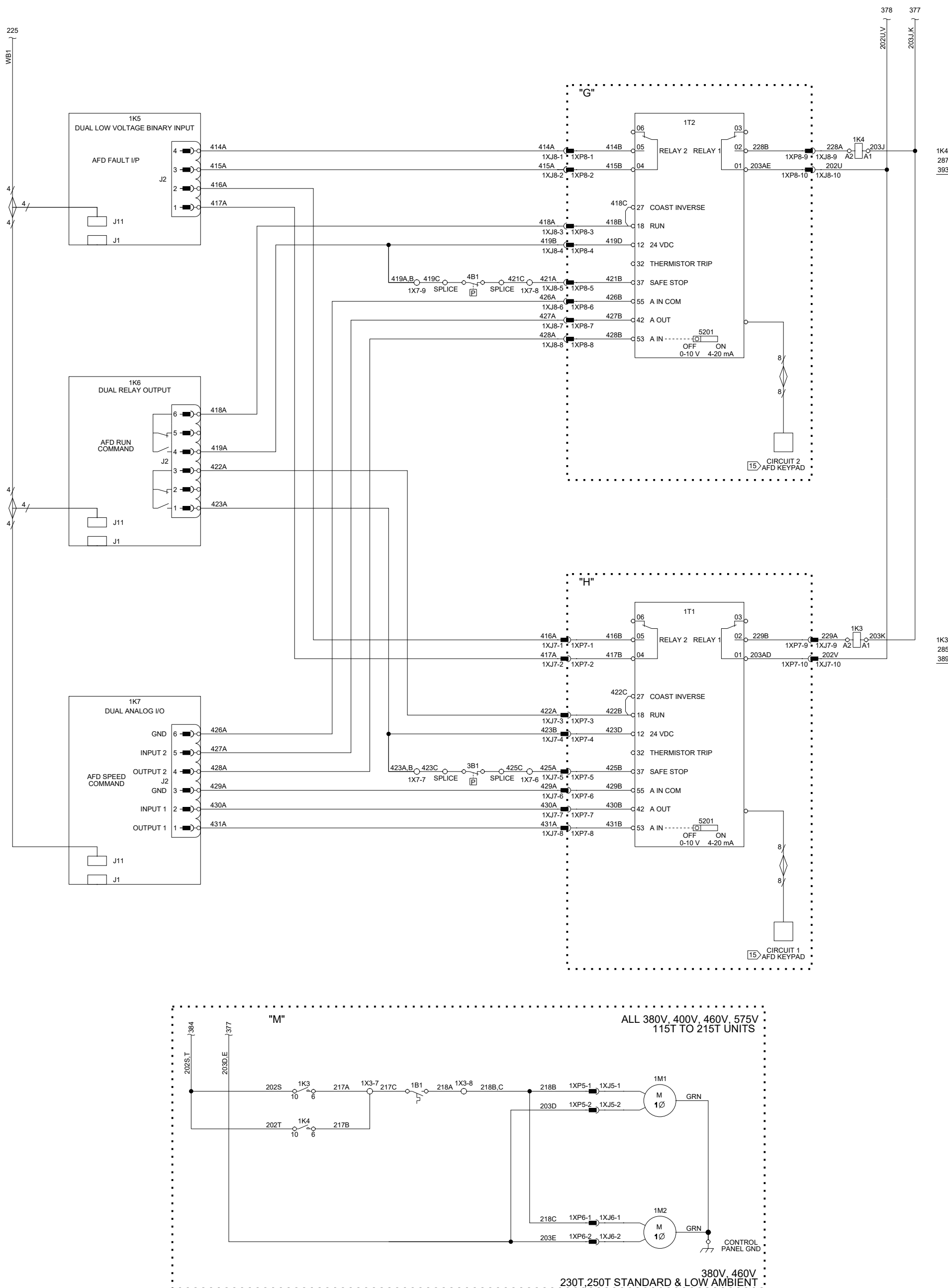






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COMPRESSOR CONTROLS

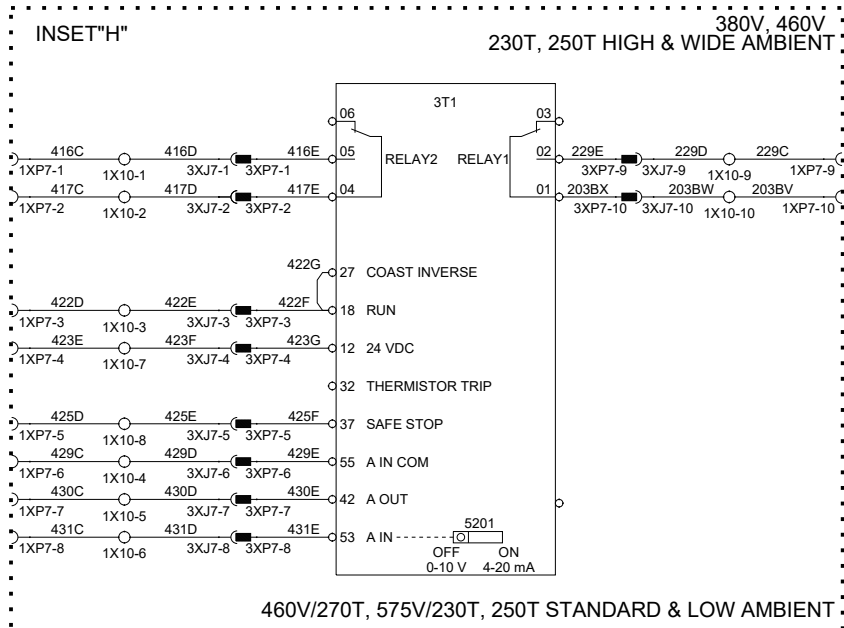
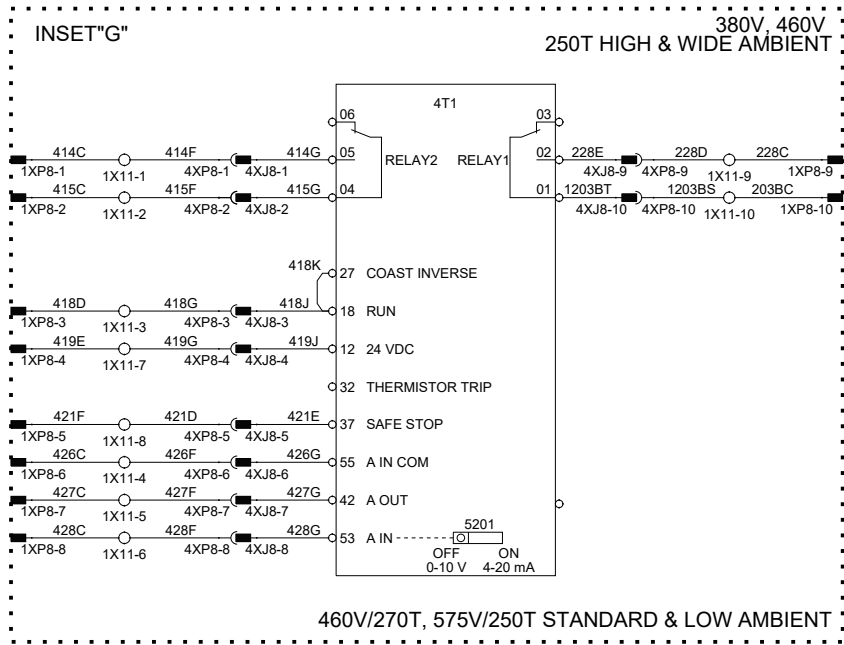
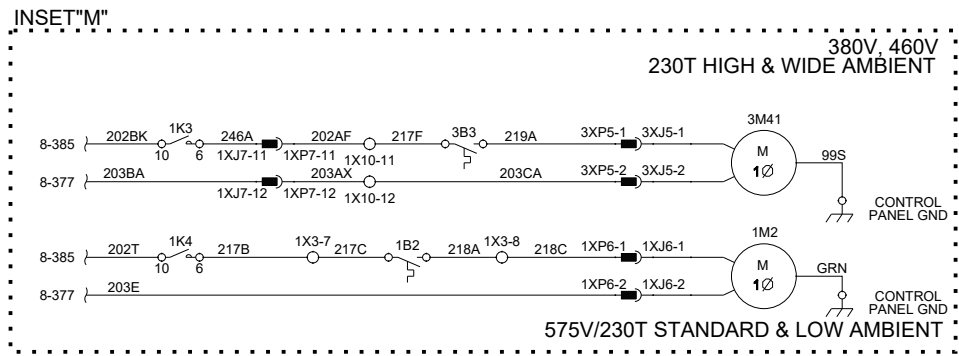
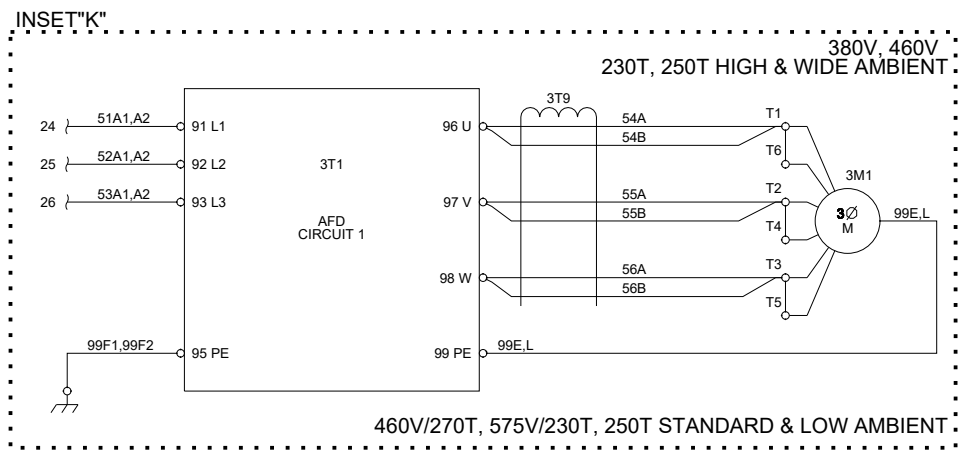
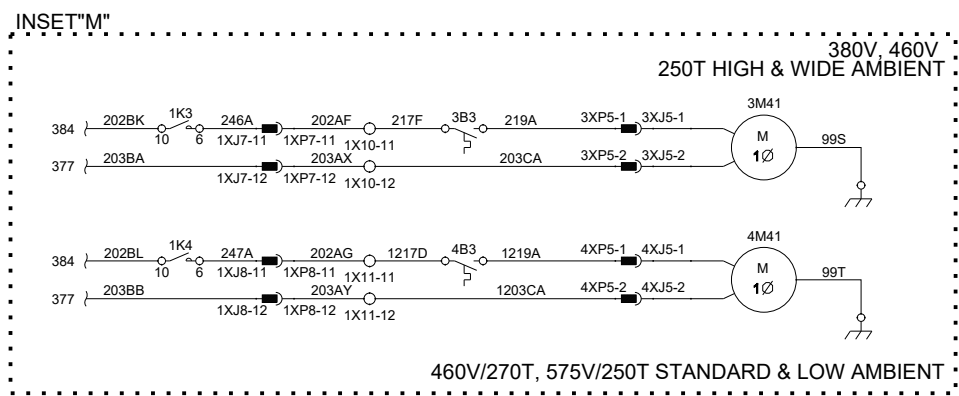
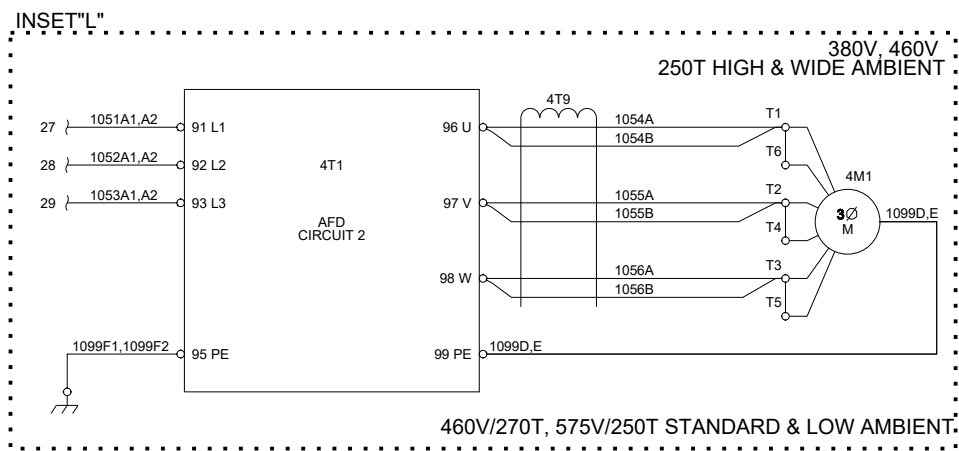
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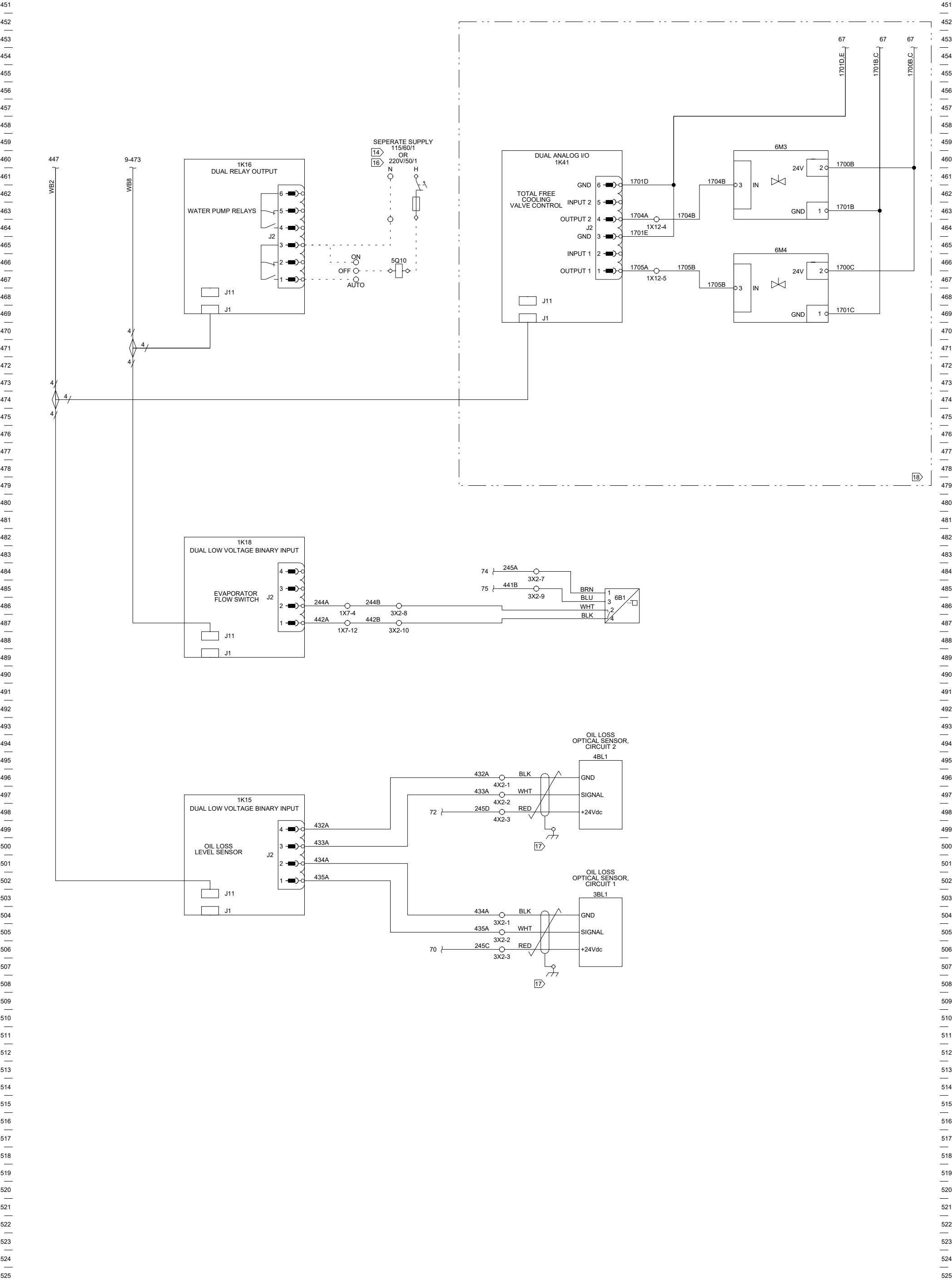
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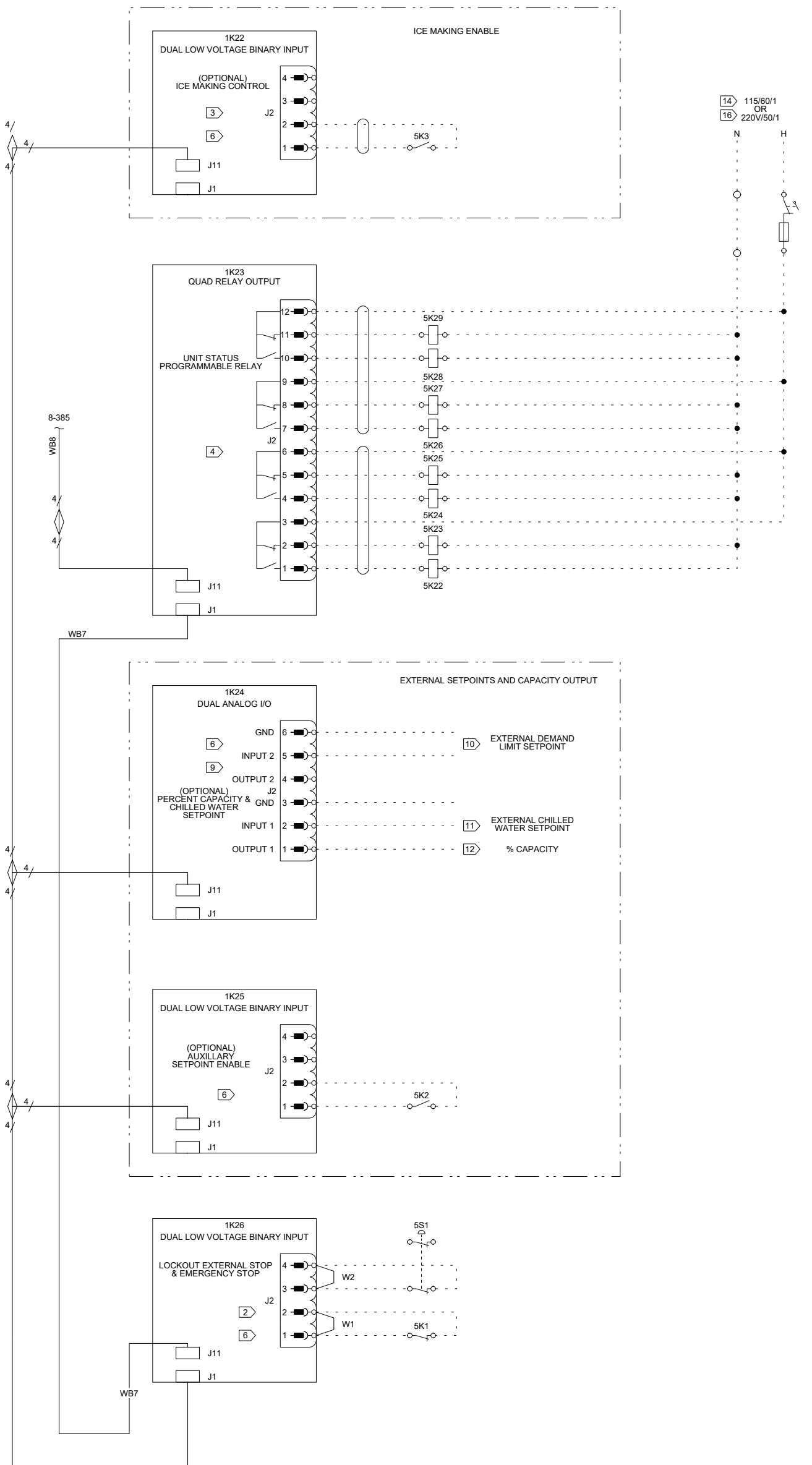
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