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DRAWN BY: R. DUSK	DATE: 21 AUG 2007
REPLACES:	
REVISION DATE:	
SIMILIAR TO: 2309–2178	

2311–0526 SHEET 1 OF 1 REV A

CONNECTION DIAGRAM

FACTORY UNIT WIRING

MAIN UNIT CONTROL PANEL USED WITH ALL LOW AND MEDIUM VOLTAGE STARTERS

CVHE–CVHF–CVHG STANDARD UNITS

DEVICE PREFIX CODE

1 = MAIN UNIT CONTROL PANEL DEVICE
2 = STARTER PANEL DEVICE
3 = PURGE DEVICE
4 = UNIT MOUNTED DEVICE

NOTES:

1. INTERNAL CONTROL PANEL WIRING SHOWN. WHEN WIRING IS SHOWN TO A DEVICE EXTERNAL TO THE CONTROL PANEL, REFER TO THE PURGE AND UNIT MOUNTED CONTROLS CONNECTION DIAGRAMS FOR WIRE CONNECTION POINTS.

2 WHEN HGBP OPTION IS PRESENT:

WIRE 5F FROM 1A12 J2–6 CONNECTS TO 1X1–9.
WIRE 5J FROM 1A12 J2–3 CONNECTS TO 1X1–9.
WIRE 5K FROM 4M5–L1 CONNECTS TO 1X1–8.
WIRE 5L FROM 4M5–21 CONNECTS TO 1X1–7.
WIRE 2F FROM 1A4 J3–1 CONNECTS TO 1X1–14.
WIRE 2P IN CONDUIT FROM 4M5–L2 CONNECTS TO 1X1–15.

WHEN FRCL OPTION IS PRESENT:

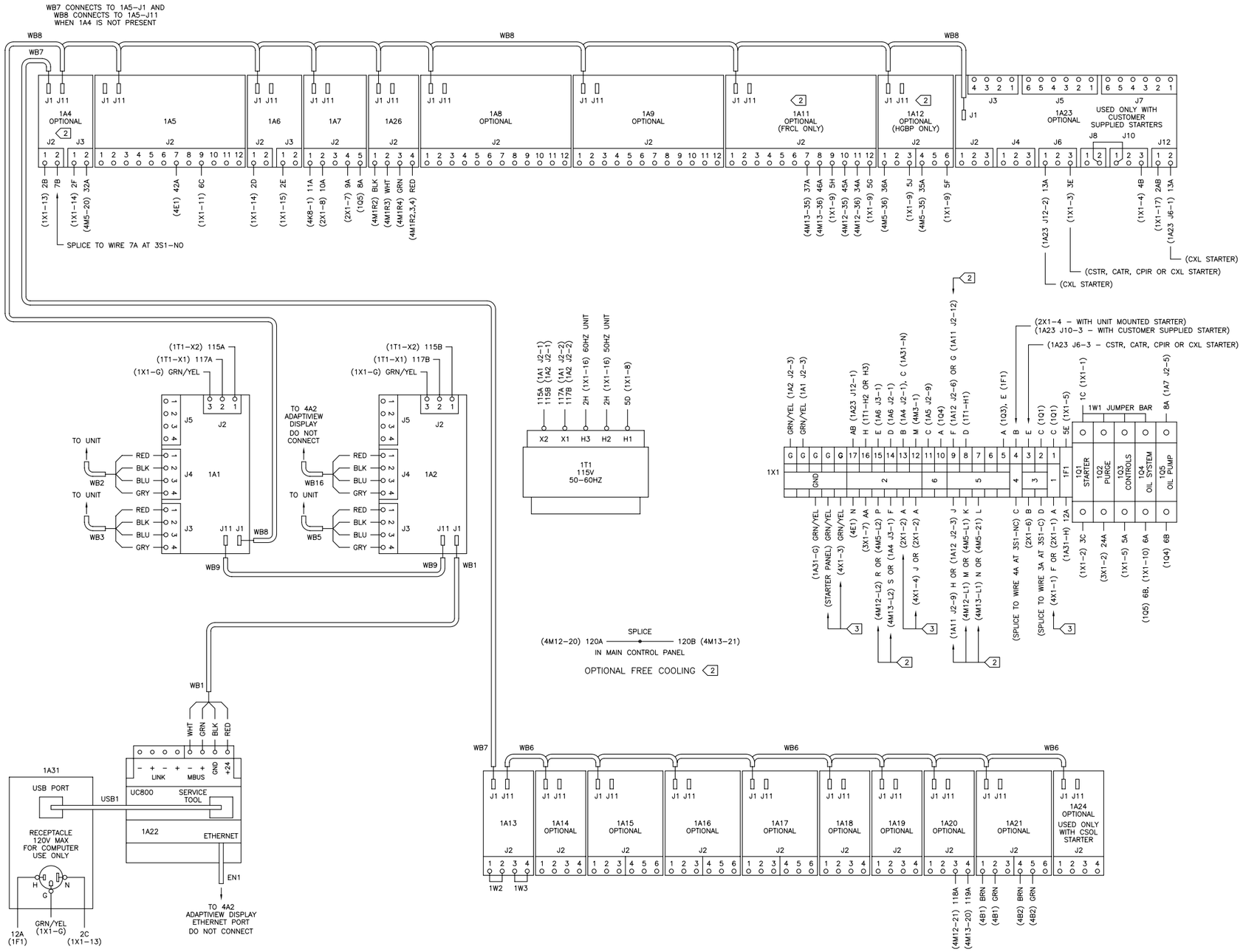
WIRE 5G FROM 1A11 J2–12 CONNECTS TO 1X1–9.
WIRE 5H FROM 1A11 J2–9 CONNECTS TO 1X1–9.
WIRE 5M FROM 4M12–L1 CONNECTS TO 1X1–8.
WIRE 5N FROM 4M13–L1 CONNECTS TO 1X1–7.
WIRE 2R IN CONDUIT FROM 4M12–L2 CONNECTS TO 1X1–15.
WIRE 2S IN CONDUIT FROM 4M13–L2 CONNECTS TO 1X1–14.
WIRE 120A FROM 4M12–20 AND WIRE 120B FROM 4M13–21 ARE SPLICED TOGETHER IN MAIN UNIT CONTROL PANEL.

3 WHEN CPTR OPTION IS PRESENT:

WIRE 1F IN CONDUIT FROM 4X1–1 CONNECTS TO 1X1–1.
WIRE 2J IN CONDUIT FROM 4X1–4 CONNECTS TO 1X1–12.
16 AWG WIRE 2A IN CONDUIT FROM 2X1–2 CONNECTS TO 1X1–13.
16 AWG STARTER PANEL GRN/YEL GROUND WIRE CONNECTS AS SHOWN.
WIRE 1A IS NOT USED.

WHEN CPTR OPTION IS NOT PRESENT:

WIRE 1A IN CONDUIT FROM 2X1–1 CONNECTS TO 1X1–1.
8 AWG WIRE 2A IN CONDUIT FROM 2X1–2 CONNECTS TO 1X1–12.
8 AWG STARTER PANEL GRN/YEL GROUND WIRE CONNECTS ONE TERMINAL TO THE RIGHT OF WHERE IT IS CURRENTLY SHOWN.
WIRES 1F, 2J AND GRN/YEL GROUND FROM 4X1–3 ARE NOT USED.



⚠ 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 BEFORE SERVICING COULD RESULT IN DEATH OR SERIOUS INJURY.

⚠ AVERTISSEMENT

TENSION DANGEREUSE!

COUPER TOUTES LES TENSIONS ET OUVRIR LES SECTIONNEURS À DISTANCE, PUIS SUIVRE LES PROCÉDURES DE VERROUILLAGE ET DES ÉTIQUETTES AVANT TOUTE INTERVENTION. VÉRIFIER QUE TOUS LES CONDENSATEURS DES MOTEURS SONT DÉCHARGÉS. DANS LE CAS D'UNITÉS COMPORTANT DES ENTRAÎNEMENTS À VITESSE VARIABLE, SE REPORTER AUX INSTRUCTIONS DE L'ENTRAÎNEMENT POUR DÉCHARGER LES CONDENSATEURS.

NE PAS RESPECTER CES MESURES DE PRÉCAUTION PEUT ENTRAÎNER DES BLESSURES GRAVES POUVANT ÊTRE MORTELLES.

⚠ 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 EJE DE DIRECCIÓN DE VELOCIDAD VARIABLE, CONSULTE LAS INSTRUCCIONES PARA LA DESCARGA DEL CONDENSADOR.

EL NO REALIZAR LO ANTERIORMENTE INDICADO, PODRÍA OCASIONAR LA MUERTE O SERIAS LESIONES PERSONALES.

CAUTION

USE COPPER CONDUCTORS ONLY!

UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.

FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.

ATTENTION

N'UTILISER QUE DES CONDUCTEURS EN CUIVRE!

LES BORNES DE L'UNITÉ NE SONT PAS CONÇUES POUR RECEVOIR D'AUTRES TYPES DE CONDUCTEURS.

L'UTILISATION DE TOUT AUTRE CONDUCTEUR PEUT ENDOMMAGER L'ÉQUIPEMENT.

PRECAUCIÓN

¡UTILICE ÚNICAMENTE CONDUCTORES DE COBRE!

LAS TERMINALES DE LA UNIDAD NO ESTÁN DISEÑADAS PARA ACEPTAR OTROS TIPOS DE CONDUCTORES.

SI NO LO HACE, PUEDE OCASIONAR DAÑO AL EQUIPO.