

WIRE COLOR ABBREVIATION CODES			
CODE	COLOR	CODE	COLOR
BK	BLACK	PK	PINK
BL	BLUE	R	RED
BR	BROWN	TQ	TURQUOISE
G	GREEN	V,(PR)	PURPLE
GY	GREY	W	WHITE
O	ORANGE	Y	YELLOW

LOCATION CODE	
LOC#	ZONE
1	CONTROL PANEL
2	CONDENSER ZONE
3	HEAT/EXT CASING
4	SUPPLY FAN ZONE
5	EVAP/FILTERS
6	RETURN AIR ZONE
7	CUSTOMER PROVIDED

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'UNIT É NÉ SONT PAS
CONÇUES POUR RECEVOIR D'AUTRES TYPES
DE CONDUCTEURS.

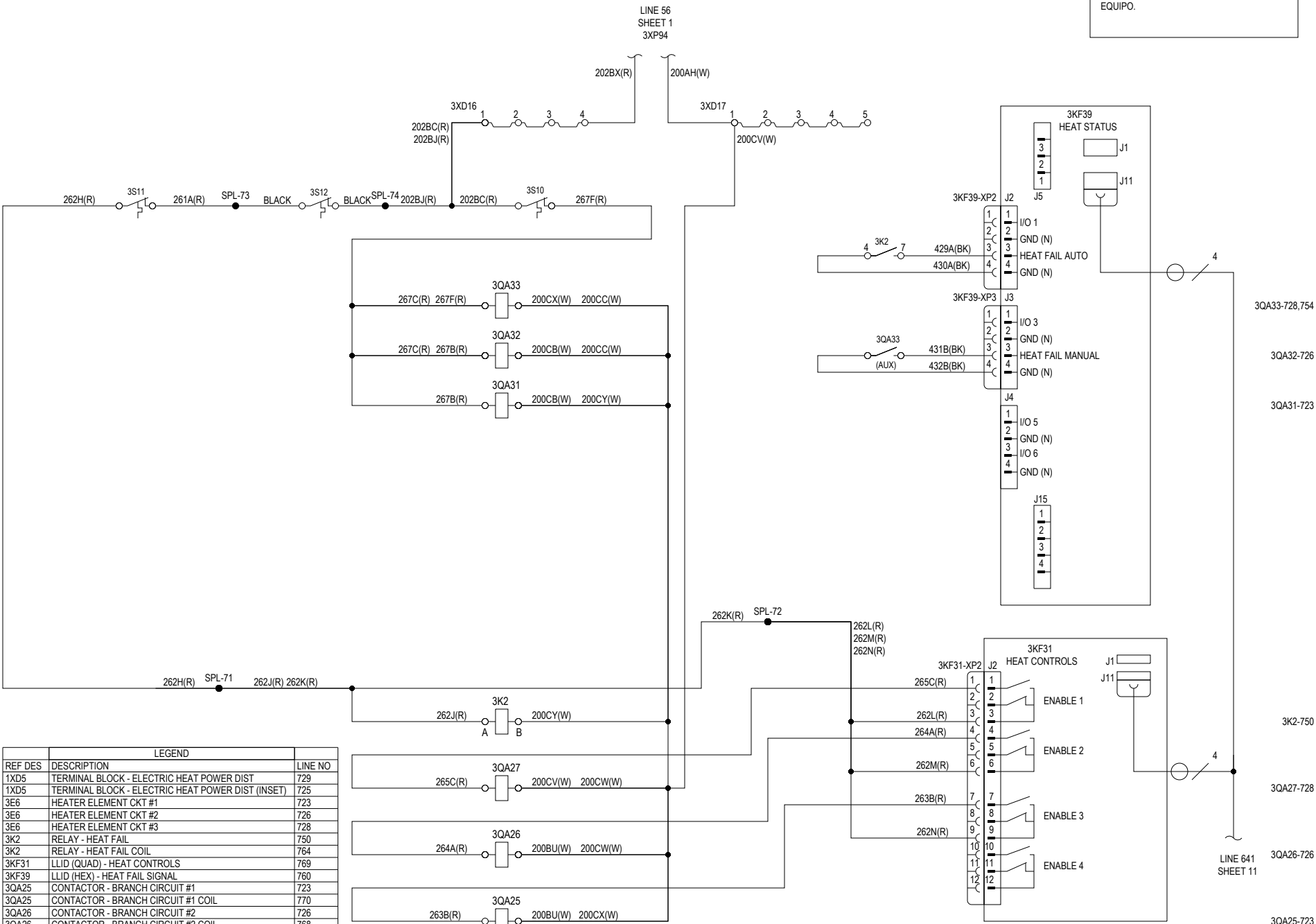
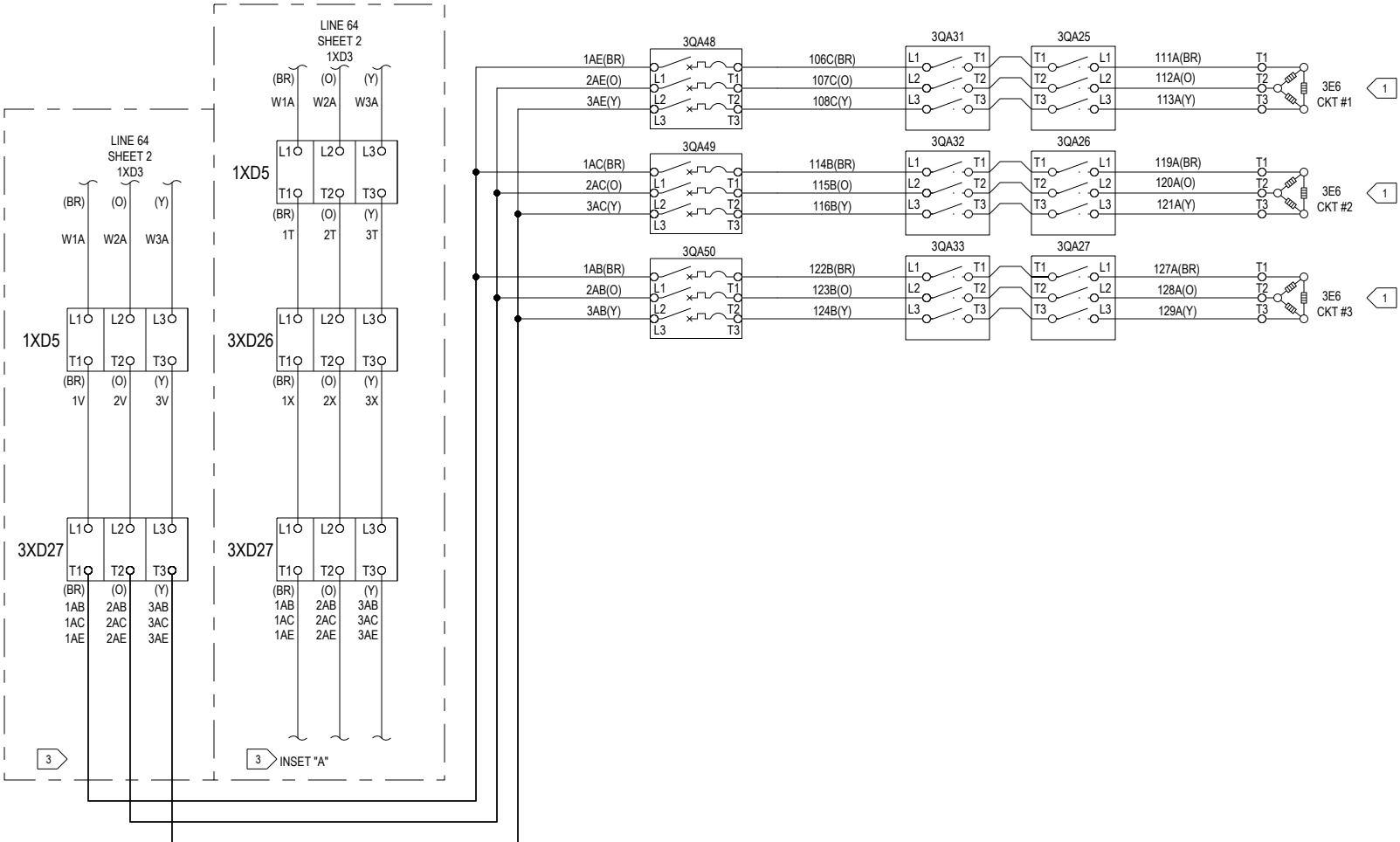
L'UTILISATION DE TOUT AUTRE CONDUCTEUR
PEUT ENDOMMAGER L'ÉQUIPEMENT.

PRECAUCIÓN

¡UTILICE ÚNICAMENTE CONDUCTORES DE
COBRE!

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

SI NO LO HACE. PUEDE OCASIONAR DAÑO AL
EQUIPO.



REF DES	DESCRIPTION	LEGEND	LINE NO
1XD5	TERMINAL BLOCK - ELECTRIC HEAT POWER DIST		729
1XD5	TERMINAL BLOCK - ELECTRIC HEAT POWER DIST (INSET)		725
3E6	HEATER ELEMENT CKT #1		723
3E6	HEATER ELEMENT CKT #2		726
3E6	HEATER ELEMENT CKT #3		728
3K2	RELAY - HEAT FAIL		750
3K2	RELAY - HEAT FAIL COIL		764
3KF31	LLID (QUAD) - HEAT CONTROLS		769
3KF39	LLID (HEX) - HEAT FAIL SIGNAL		760
3QA25	CONTACTOR - BRANCH CIRCUIT #1		723
3QA25	CONTACTOR - BRANCH CIRCUIT #1 COIL		770
3QA26	CONTACTOR - BRANCH CIRCUIT #2		726
3QA26	CONTACTOR - BRANCH CIRCUIT #2 COIL		768
3QA27	CONTACTOR - BRANCH CIRCUIT #3		728
3QA27	CONTACTOR - BRANCH CIRCUIT #3 COIL		767
3QA31	CONTACTOR - BACKUP #1		723
3QA31	CONTACTOR - BACKUP #1 COIL		755
3QA32	CONTACTOR - BACKUP #2		726
3QA32	CONTACTOR - BACKUP #2 COIL		754
3QA33	CONTACTOR - BACKUP #3		728
3QA33	CONTACTOR - BACKUP #3 (AUX)		754
3QA33	CONTACTOR - BACKUP #3 COIL		752
3QA48	CIRCUIT BREAKER CKT #1		723
3QA49	CIRCUIT BREAKER CKT #2		726
3QA50	CIRCUIT BREAKER CKT #3		728
3S10	SWITCH - TEMP (MANUAL RESET)		749
3S11	SWITCH - TEMP (AUTO RESET #1)		749
3S12	SWITCH - TEMP (AUTO RESET #2)		749
3XD16	TERMINAL BLOCK - 115VAC		747
3XD17	TERMINAL BLOCK - 115VAC COMMON		747
3XD26	TERMINAL BLOCK - EH POWER 2-PC W/8' EXT		729
3XD27	TERMINAL BLOCK - ELECTRIC HEAT POWER		734
3XD27	TERMINAL BLOCK - ELECTRIC HEAT POWER (INSET)		734

NOTES:

- UNLESS OTHERWISE NOTED, ALL SWITCHES ARE SHOWN AT 25° C (77° F), AT ATMOSPHERIC PRESSURE, AT 50% RELATIVE HUMIDITY, WITH ALL UTILITIES TURNED OFF, AND AFTER A NORMAL SHUTDOWN HAS OCCURRED.
- DASHED LINES INDICATE RECOMMENDED FIELD WIRING BY OTHERS. DASHED LINE ENCLOSURES AND/OR DASHED DEVICE OUTLINES INDICATE COMPONENTS PROVIDED BY THE FIELD. PHANTOM LINE ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS. SOLID LINE INDICATES WIRING BY TRANE CO.
- NUMBERS ALONG THE RIGHT SIDE OF THE SCHEMATIC DESIGNATE THE LOCATION OF CONTACTS BY THE LINE NUMBER. AN UNDERLINED NUMBER INDICATES A NORMALLY CLOSED CONTACT. AN OPEN ARROW BELOW THE LINE NUMBER POINTING UPWARD INDICATES A TIMED CONTACT WHICH BEGINS TIMING WHEN ENERGIZED.

- 1 HEATING ELEMENTS ARE SHOWN DELTA CONNECTED, BUT MAY BE WYE CONNECTED.
- 2 SEE APPLICABLE VARIABLE FREQUENCY DRIVE SCHEMATIC FOR BALANCE OF CIRCUIT.
- 3 SHOWN IS A 1 PIECE CONFIGURATION OR 2 PIECE NO BLANK CONFIGURATION. SEE INSET "A" FOR 2 PIECE WITH 8 FOOT BLANK CONFIGURATION.

DESIGNER:	R JOHNSON
ENGINEER:	R. ROBINSON
TRANE © DATE:	13-SEPT-2022
REPLACES:	
SIMILAR TO:	
REVISION DATE:	18-OCT-2022
REVISED BY:	R JOHNSON
APPROVED BY:	R. ROBINSON
CAD SYSTEM USED:	CREO SCHEMATICS

TRANE®

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AND SHALL NOT BE COPIED OR
ITS CONTENTS DISCLOSED TO
OUTSIDE PARTIES WITHOUT THE
WRITTEN CONSENT OF TRANE.

IPAK 2
SCHEMATIC
ELECTRIC HEAT
90KW - 460/575V, 60HZ
56KW - 380V, 50HZ

MASTER NUMBER:	DRAWING NUMBER:	SHEET:	REV
	12134661	13 OF 17	B