

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

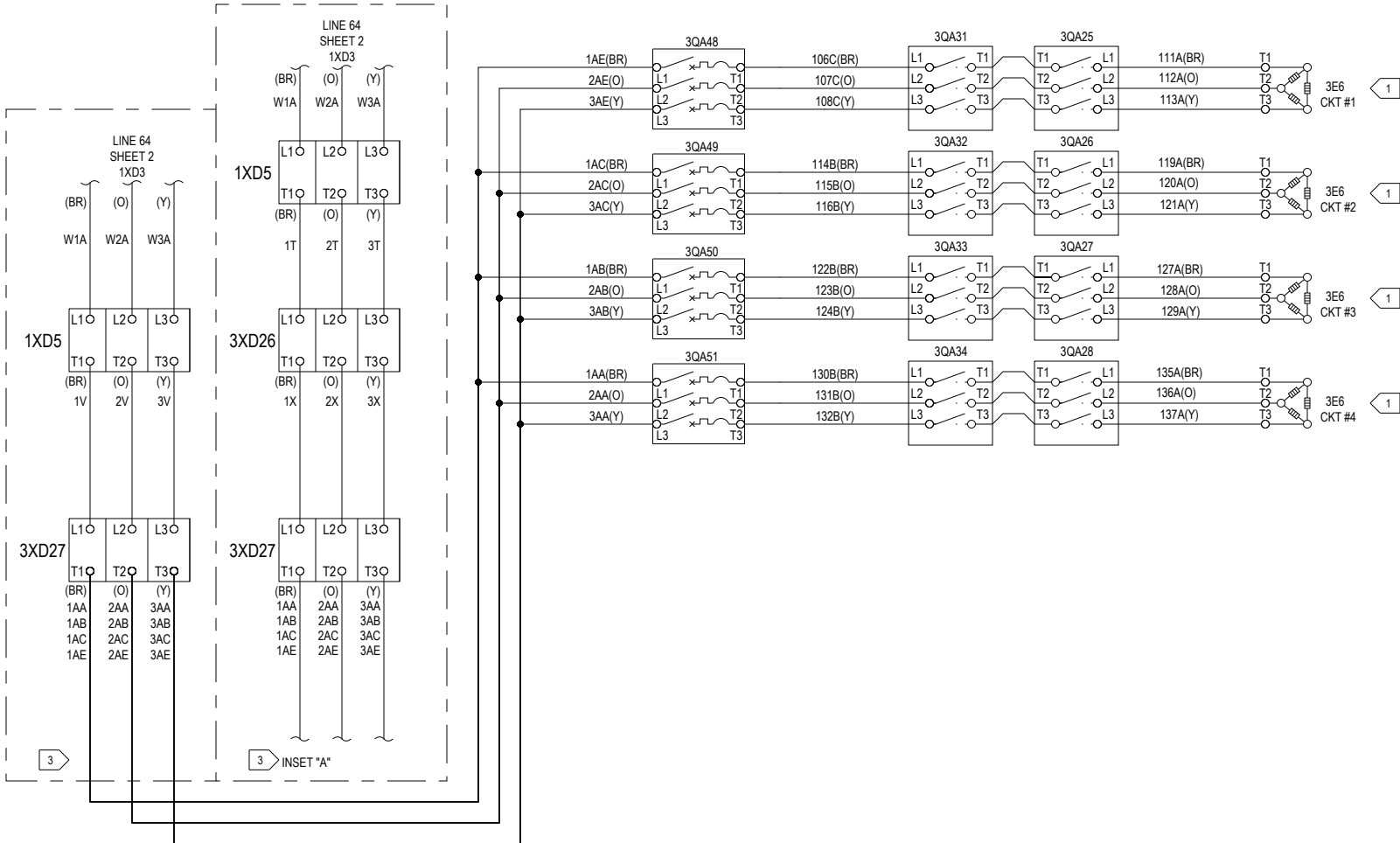
USE COPPER CONDUCTORS ONLY!
UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.
FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.

ATTENTION

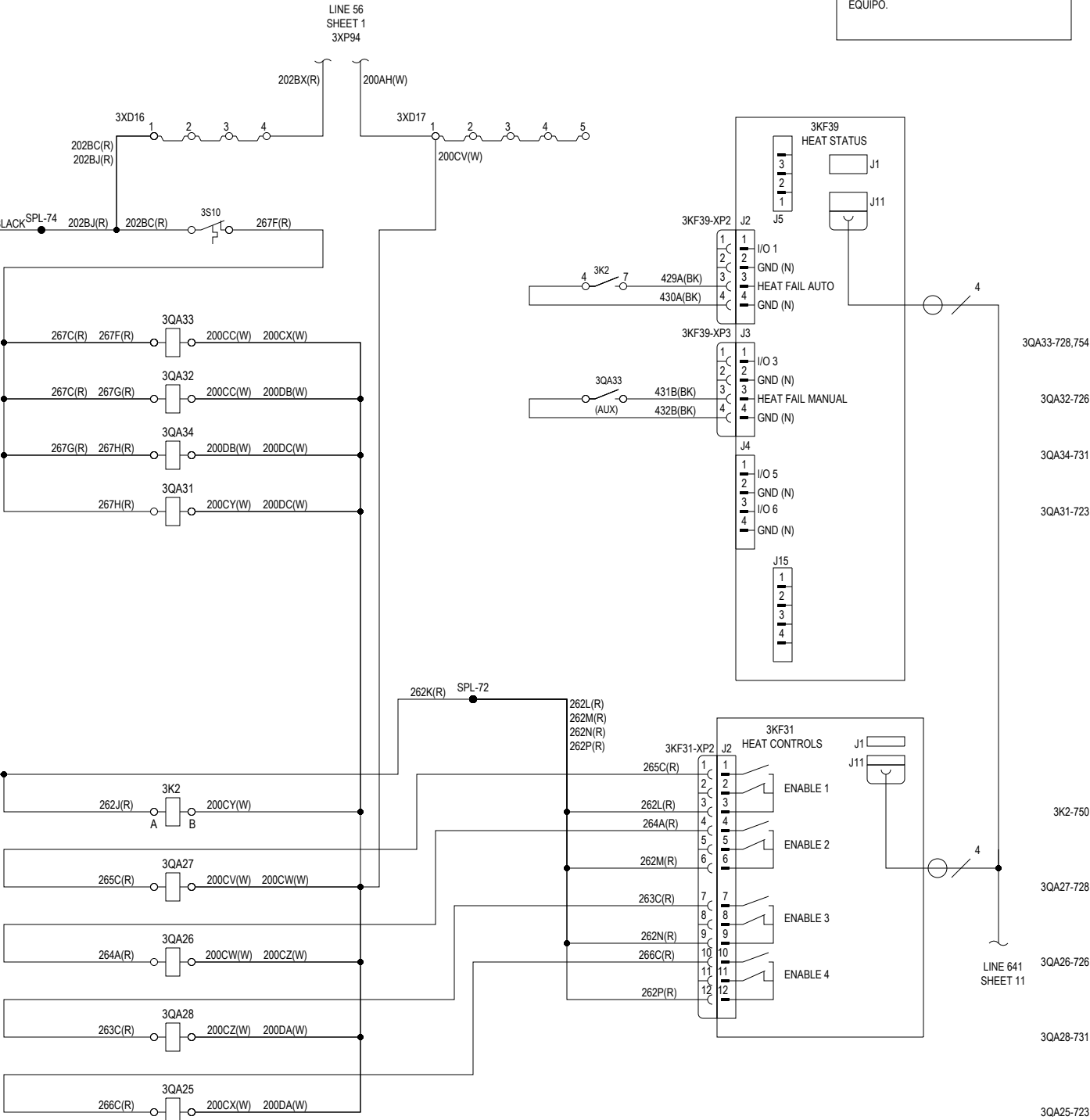
N'UTILISER QUE DES CONDUCTEURS EN CUIVRE!
LES BORNES DE L'UNIT É NÉ SONT PAS CONÇUES POUR RECEVOIR D'AUTRES TYPES DE CONDUCTEURS.
L'UTILISATION DE TOUT AUTRE CONDUCTEUR PEUT ENDOMMAGER L'ÉQUIPEMENT.

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.



LEGEND		
REF DES	DESCRIPTION	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
3E6	HEATER ELEMENT CKT #4	730
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	772
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	766
3QA28	CONTACTOR - BRANCH CIRCUIT #4	731
3QA28	CONTACTOR - BRANCH CIRCUIT #4 COIL	770
3QA31	CONTACTOR - BACKUP #1	723
3QA31	CONTACTOR - BACKUP #1 COIL	756
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
3QA34	CONTACTOR - BACKUP #4	731
3QA34	CONTACTOR - BACKUP #4 COIL	755
3QA48	CIRCUIT BREAKER CKT #1	723
3QA49	CIRCUIT BREAKER CKT #2	726
3QA50	CIRCUIT BREAKER CKT #3	728
3QA51	CIRCUIT BREAKER CKT #4	731
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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IPAK 2
SCHEMATIC
ELECTRIC HEAT
140KW - 460/575V, 60HZ
88KW - 380V, 50HZ

MASTER NUMBER:	DRAWING NUMBER:	SHEET:	REV
	12134662	13 OF 17	B