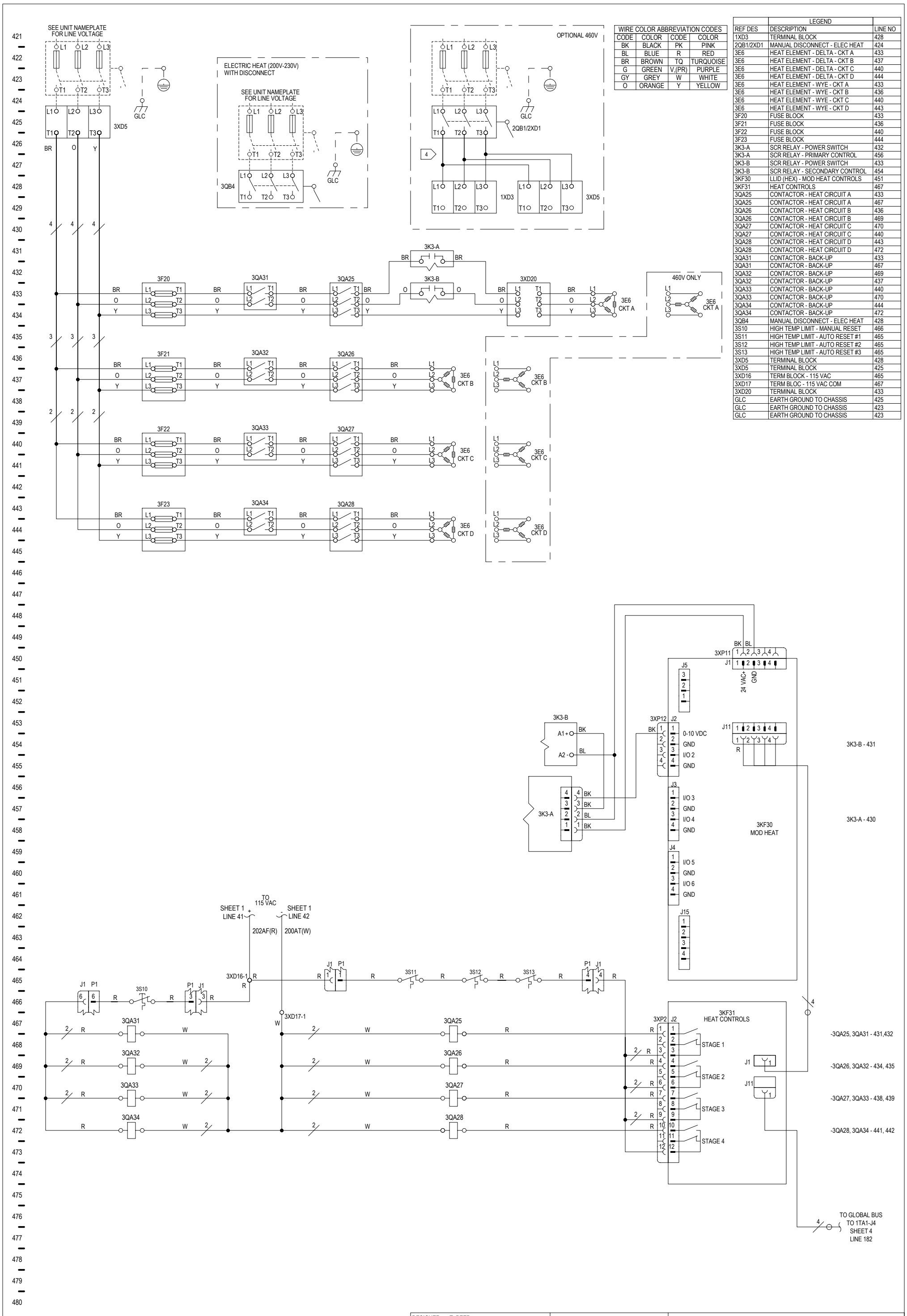

WIRE COLOR ABBREVIATION CODES			
CODE	COLOR	CODE	COLOR
BK	BLACK	PK	PINK
BL	BLUE	R	RED
BR	BROWN	TQ	TURQUOISE
G	GREEN	V,(PR)	PURPLE
GY	GREY	W	WHITE
O	ORANGE	Y	YELLOW

LEGEND		
REF DES	DESCRIPTION	LINE NO
1XD3	TERMINAL BLOCK	428
2QB1/2XD1	MANUAL DISCONNECT - ELEC HEAT	424
3E6	HEAT ELEMENT - DELTA - CKT A	433
3E6	HEAT ELEMENT - DELTA - CKT B	437
3E6	HEAT ELEMENT - DELTA - CKT C	440
3E6	HEAT ELEMENT - DELTA - CKT D	444
3E6	HEAT ELEMENT - WYE - CKT A	433
3E6	HEAT ELEMENT - WYE - CKT B	436
3E6	HEAT ELEMENT - WYE - CKT C	440
3E6	HEAT ELEMENT - WYE - CKT D	443
3F20	FUSE BLOCK	433
3F21	FUSE BLOCK	436
3F22	FUSE BLOCK	440
3F23	FUSE BLOCK	444
3K3-A	SCR RELAY - POWER SWITCH	432
3K3-A	SCR RELAY - PRIMARY CONTROL	456
3K3-B	SCR RELAY - POWER SWITCH	433
3K3-B	SCR RELAY - SECONDARY CONTROL	454
3KF30	LLID (HEX) - MOD HEAT CONTROLS	451
3KF31	HEAT CONTROLS	467
3QA25	CONTACTOR - HEAT CIRCUIT A	433
3QA25	CONTACTOR - HEAT CIRCUIT A	467
3QA26	CONTACTOR - HEAT CIRCUIT B	436
3QA26	CONTACTOR - HEAT CIRCUIT B	469
3QA27	CONTACTOR - HEAT CIRCUIT C	470
3QA27	CONTACTOR - HEAT CIRCUIT C	440
3QA28	CONTACTOR - HEAT CIRCUIT D	443
3QA28	CONTACTOR - HEAT CIRCUIT D	472
3QA31	CONTACTOR - BACK-UP	433
3QA31	CONTACTOR - BACK-UP	467
3QA32	CONTACTOR - BACK-UP	469
3QA32	CONTACTOR - BACK-UP	437
3QA33	CONTACTOR - BACK-UP	440
3QA33	CONTACTOR - BACK-UP	470
3QA34	CONTACTOR - BACK-UP	444
3QA34	CONTACTOR - BACK-UP	472
3QB4	MANUAL DISCONNECT - ELEC HEAT	428
3S10	HIGH TEMP LIMIT - MANUAL RESET	466
3S11	HIGH TEMP LIMIT - AUTO RESET #1	465
3S12	HIGH TEMP LIMIT - AUTO RESET #2	465
3S13	HIGH TEMP LIMIT - AUTO RESET #3	465
3XD5	TERMINAL BLOCK	428
3XD5	TERMINAL BLOCK	425
3XD16	TERM BLOCK - 115 VAC	465
3XD17	TERM BLOC - 115 VAC COM	467
3XD20	TERMINAL BLOCK	433
GLC	EARTH GROUND TO CHASSIS	425
GLC	EARTH GROUND TO CHASSIS	423
GLC	EARTH GROUND TO CHASSIS	423

NOTES: SEE SHEET 1 FOR STANDARD NOTES 1-2 THAT APPLY TO ALL SHEETS.

3. NUMBERS ALONG THE RIGHT SIDE MARGIN OF THE SCHEMATIC DESIGNATE BY LINE NUMBER THE LOCATION OF CONTACTS ENERGIZED BY COIL. AN UNDERLINED NUMBER INDICATES A NORMALLY CLOSED CONTACT. AN OPEN ARROWHEAD POINTING UPWARD BELOW THE LINE NUMBER INDICATES A TIMED CONTACT WHICH BEGINS TIMING WHEN ENERGIZED.

4 TRANE PROVIDES 1XD3, 2QB1/2XD1 AND WIRES (BR), (O), AND (Y) TO 3XD5 FOR 460V APPLICATIONS ONLY.

DESIGNER: T. PEED	TRANE ®
ENGINEER: E. CAROTA	
TRANE © DATE: 4/19/2024	
REPLACES:	
SIMILAR TO:	THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE WRITTEN CONSENT OF TRANE.
REVISION DATE: 4/19/2024	
REVISED BY: T. PEED	
APPROVED BY:	
CAD SYSTEM USED: CREO SCHEMATICS	

INTELLIPAK 3
SCHEMATIC

ELECTRIC HEAT WITH SCR MODULATING
60KW-208V/240V, 120KW & 150KW - 480V

MASTER NUMBER:	DRAWING NUMBER:	SHEET:	REV
	12132845	8	B