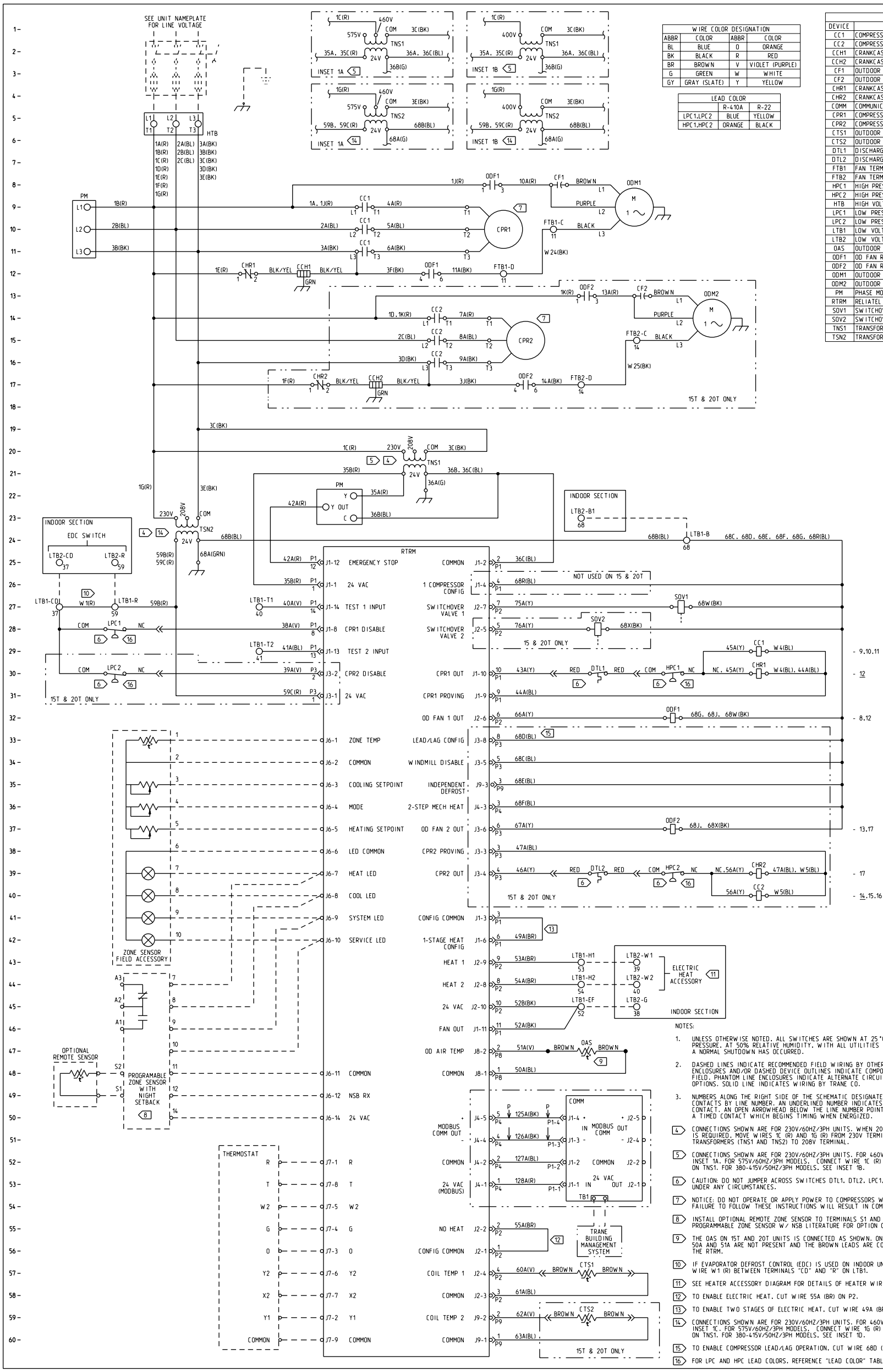

WIRE COLOR DESIGNATION			
ABBR	COLOR	ABBR	COLOR
BL	BLUE	O	ORANGE
BK	BLACK	R	RED
BR	BROWN	V	VIOLET (PURPLE)
G	GREEN	W	WHITE
GY	GRAY (SLATE)	Y	YELLOW

LEAD COLOR		
	R-410A	R-22
LPC1.LPC2	BLUE	YELLOW
HPC1.HPC2	ORANGE	BLACK

LEGEND		
DEVICE	DESCRIPTION	LINE
CC1	COMPRESSOR CONTACTOR	9.10.11.29
CC2	COMPRESSOR CONTACTOR	14.15.16.40
CCH1	CRANKCASE HEATER	12
CCH2	CRANKCASE HEATER	17
CF1	OUTDOOR FAN CAPACITOR	8
CF2	OUTDOOR FAN CAPACITOR	13
CHR1	CRANKCASE HEATER RELAY	12.30
CHR2	CRANKCASE HEATER RELAY	17.39
COMM	COMMUNICATION INTERFACE MODULE	50
CPR1	COMPRESSOR	10
CPR2	COMPRESSOR	15
CTS1	OUTDOOR COIL TEMP SENSOR	57
CTS2	OUTDOOR COIL TEMP SENSOR	59
DTL1	DISCHARGE TEMPERATURE LIMIT	30
DTL2	DISCHARGE TEMPERATURE LIMIT	39
FTB1	FAN TERMINAL BLOCK	10.12.18
FTB2	FAN TERMINAL BLOCK	15.17
HPC1	HIGH PRESSURE CUT OUT	30
HPC2	HIGH PRESSURE CUT OUT	39
HTB	HIGH VOLTAGE TERMINAL BLOCK	5
LPC1	LOW PRESSURE CUT OUT	28
LPC2	LOW PRESSURE CUT OUT	30
LTB1	LOW VOLTAGE TERMINAL BLOCK	24.27.29.43.44.45
LTB2	LOW VOLTAGE TERMINAL BLOCK	23.25.43.44.45
OAS	OUTDOOR AIR TEMP SENSOR	47
ODF1	OD FAN RELAY	8.12.32
ODF2	OD FAN RELAY	13.17.37
ODM1	OUTDOOR FAN MOTOR	8
ODM2	OUTDOOR FAN MOTOR	13
PM	PHASE MONITOR	9.22
RTRM	RELIATEL REFRIGERATION MODULE	26
SOV1	SWITCHOVER VALVE	27
SOV2	SWITCHOVER VALVE	28
TNS1	TRANSFORMER - CONDENSER	1.20
TSN2	TRANSFORMER - CONDENSER	4.23

⚠ 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 VARAIBLE, 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.

NOTES:

1. 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.
2. 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.
3. NUMBERS ALONG THE RIGHT SIDE OF THE SCHEMATIC DESIGNATE THE LOCATION OF CONTACTS BY LINE NUMBER. AN UNDERLINED NUMBER INDICATES A NORMALLY CLOSED CONTACT. AN OPEN ARROWHEAD BELOW THE LINE NUMBER POINTING UPWARD INDICATES A TIMED CONTACT WHICH BEGINS TIMING WHEN ENERGIZED.

4. CONNECTIONS SHOWN ARE FOR 230V/60HZ/3PH UNITS. WHEN 208V/60HZ/3PH OPERATION IS REQUIRED, MOVE WIRES 1C (R) AND 1G (R) FROM 230V TERMINAL ON UNIT TRANSFORMERS (TNS1 AND TNS2) TO 208V TERMINAL.
5. CONNECTIONS SHOWN ARE FOR 230V/60HZ/3PH UNITS. FOR 460V/60HZ/3PH MODELS, SEE INSET 1A. FOR 575V/60HZ/3PH MODELS, CONNECT WIRE 1C (R) TO THE 575V TERMINAL ON TNS1. FOR 380-415V/50HZ/3PH MODELS, SEE INSET 1B.
6. CAUTION: DO NOT JUMPER ACROSS SWITCHES DTL1, DTL2, LPC1, LPC2, HPC1 AND HPC2 UNDER ANY CIRCUMSTANCES.
7. NOTICE: DO NOT OPERATE OR APPLY POWER TO COMPRESSORS WHILE UNDER A VACUUM. FAILURE TO FOLLOW THESE INSTRUCTIONS WILL RESULT IN COMPRESSOR FAILURE.
8. INSTALL OPTIONAL REMOTE ZONE SENSOR TO TERMINALS S1 AND S2 WHEN REQUIRED. SEE PROGRAMMABLE ZONE SENSOR W/ NSB LITERATURE FOR OPTION CONFIGURATION.
9. THE OAS ON 15T AND 20T UNITS IS CONNECTED AS SHOWN. ON SMALLER UNITS, WIRES 50A AND 51A ARE NOT PRESENT AND THE BROWN LEADS ARE CONNECTED DIRECTLY TO THE RTRM.
10. IF EVAPORATOR DEFROST CONTROL (EDC) IS USED ON INDOOR UNIT, REMOVE JUMPER WIRE W1 (R) BETWEEN TERMINALS "CD" AND "R" ON LTB1.
11. SEE HEATER ACCESSORY DIAGRAM FOR DETAILS OF HEATER WIRING.
12. TO ENABLE ELECTRIC HEAT, CUT WIRE 55A (BR) ON P2.
13. TO ENABLE TWO STAGES OF ELECTRIC HEAT, CUT WIRE 49A (BR) ON P1.
14. CONNECTIONS SHOWN ARE FOR 230V/60HZ/3PH UNITS. FOR 460V/60HZ/3PH MODELS, SEE INSET 1C. FOR 575V/60HZ/3PH MODELS, CONNECT WIRE 1G (R) TO THE 575V TERMINAL ON TNS1. FOR 380-415V/50HZ/3PH MODELS, SEE INSET 1D.
15. TO ENABLE COMPRESSOR LEAD/LAG OPERATION, CUT WIRE 68D (BL).
16. FOR LPC AND HPC LEAD COLORS, REFERENCE "LEAD COLOR" TABLE.

THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE CONSENT OF TRANE.

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SIMILAR TO:

TRANE

FILE NUMBER:

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SHEET: 1 OF 1

REV: F

ODYSSEY DIAGRAM

CONDENSER UNIT - HEAT PUMP
6T-15T (ALL VOLTAGES) &
20T 380/460/575V/60HZ / 380-415V/50HZ