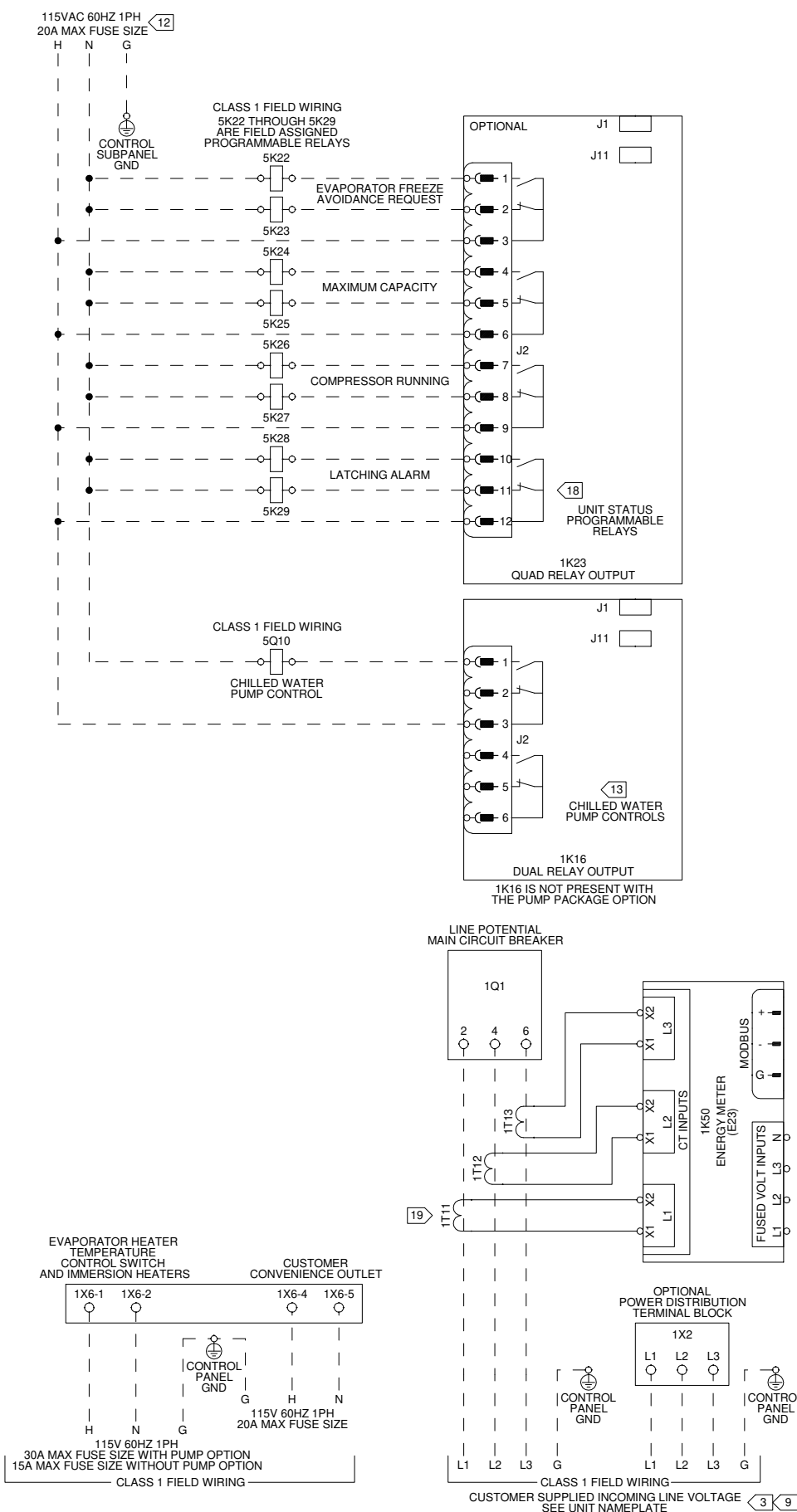
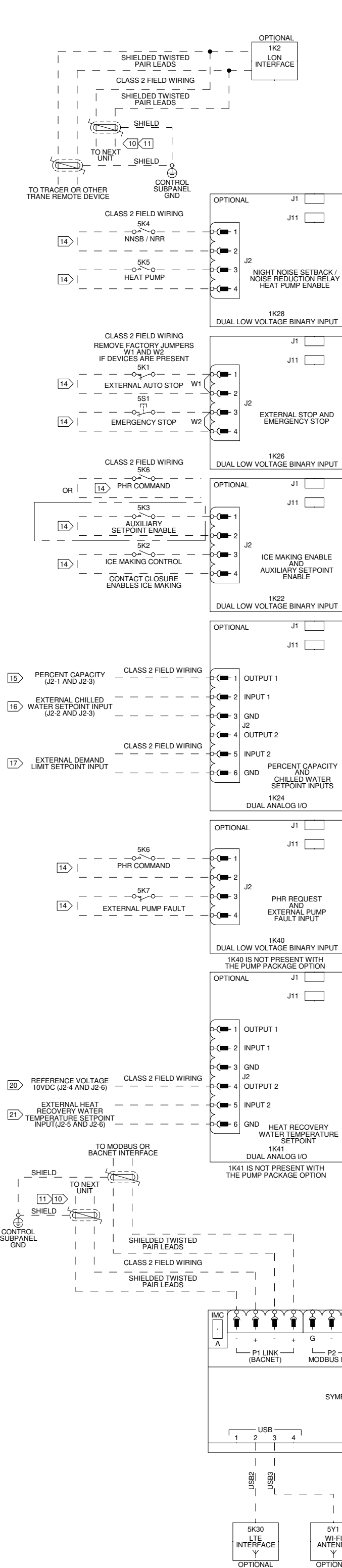




NOTICE

USE COPPER CONDUCTORS ONLY!
FAILURE TO USE COPPER CONDUCTORS
COULD RESULT IN EQUIPMENT DAMAGE
AS THE EQUIPMENT WAS NOT DESIGNED
OR QUALIFIED TO ACCEPT OTHER TYPES
OF CONDUCTORS.

AVIS

N'UTILISER QUE DES CONDUCTEURS EN CUIVRE!
L'UTILISATION DE MATÉRIAUX,
AUTRES QUE LE CUIVRE,
PEUT ENDOMMAGER L'ÉQUIPEMENT,
CELUI-CI N'AYANT PAS ÉTÉ CONÇU OU
HOMOLOGUÉ POUR ACCEPTER D'AUTRES
TYPES DE CONDUCTEURS.

AVISO

¡UTILICE CONDUCTORES DE COBRE SOLAMENTE!
SI NO UTILIZA CONDUCTORES DE COBRE,
EL EQUIPO PODRÍA SUFRIR DAÑOS,
YA QUE NO HA SIDO DISEÑADO NI CALIFICADO
PARA ACEPTAR OTROS TIPOS DE CONDUCTORES.

⚠ 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 COULD RESULT
IN DEATH OR SERIOUS INJURY.

⚠ AVERTISSEMENT

TENSION DANGEREUSE!
COUPER TOUTES LES TENSIONS ET OUVRIR
LES SECTIONNEURS A DISTANCE, PUIS SUIVRE
LES PROCÉDURES DE VORRILLAGE ET DES
ÉTIQUETTES AVANT TOUTE INTERVENTION.
VÉRIFIER QUE TOUTS 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.
UN MANŒUVRE À LA PROCÉDURE
CI-DESSUS PEUT ENTRAÎNER DES
BLESSURES GRAVES, VOIRE LA MORT.

⚠ 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. ASEGURESE
DE QUE TODOS LOS CAPACITORES DEL MOTOR
HAYAN DESCARGADO EL VOLTAJE ALMACENADO.
PARA LAS UNIDADES CON TRANSMISIÓN
DE VELOCIDAD VARIABLE, CONSULTE LAS
INSTRUCCIONES PARA LA DESCARGA
DEL CONDENSADOR.
NO REALIZAR LO ANTERIOR PUEDE PROVOCAR
LA MUERTE O LESIONES GRAVES.

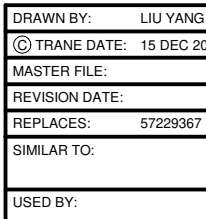
DEVICE PREFIX & LOCATION CODE	
AREA	LOCATION
1	CONTROL PANEL DEVICES
5	CUSTOMER PROVIDED DEVICES

GENERAL NOTES:

1. WIRE REPRESENTED BY DASHED LINES INDICATE RECOMMENDED FIELD WIRING BY OTHERS.
 2. ALL STANDARD AND OPTIONAL COMPONENTS SHOWN.
 3. SINGLE SOURCE POWER IS PROVIDED AS STANDARD ON THIS PRODUCT. FIELD CONNECTIONS ARE MADE TO DEVICES 1Q1 OR 1X2.
 4. ALL MOTORS ARE PROTECTED FROM PRIMARY SINGLE PHASE FAILURES.
 5. CAUTION - TRANE PUMP CONTROL MUST BE USED TO PROVIDE PUMP CONTROL. EVAPORATOR CHILLED WATER PUMP MUST BE CONTROLLED BY THE CHILLER OUTPUT. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY RESULT IN DAMAGE TO THE UNIT.
 6. CAUTION - DO NOT ENERGIZE THE UNIT UNTIL CHECK OUT AND STARTUP PROCEDURES HAVE BEEN COMPLETED.
- ### WIRING REQUIREMENTS:
7. ALL FIELD WIRING MUST BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC), STATE AND LOCAL CODES.
 8. DO NOT RUN LOW VOLTAGE CONTROL WIRING (30V OR LESS) IN CONDUIT WITH 110V OR HIGHER WIRING. DO NOT EXCEED THE FOLLOWING MAXIMUM RUN LENGTH FOR A GIVEN SIZE: 14 AWG OF 5000 FT, 16 AWG OF 2000 FT OR 18 AWG OF 1000 FT.
 9. ALL UNIT POWER WIRING MUST BE 600V COPPER CONDUCTORS ONLY AND HAVE A MINIMUM TEMPERATURE INSULATION RATING OF 90 C. REFER TO UNIT NAMEPLATE FOR MINIMUM CIRCUIT AMPACITY AND MAXIMUM OVERCURRENT PROTECTIVE DEVICE. PROVIDE EQUIPMENT GROUNDING IN ACCORDANCE WITH APPLICABLE ELECTRIC CODES. REFER TO WIRE RANGE TABLE FOR LUG SIZES.
 10. SHIELDED, TWISTED PAIR LEADS ARE REQUIRED FOR CONNECTIONS TO THE COMMUNICATIONS INTERFACE MODULES (1K1 OR OPTIONAL 1K2). THE SHIELD SHOULD BE GROUNDED AT THE UNIT CONTROL PANEL END.
 11. 22 AWG SHIELDED COMMUNICATION WIRE EQUIVALENT TO HELIX LF22P0014216 IS RECOMMENDED FOR WIRING TO NEXT UNIT. THE SUM TOTAL OF ALL INTERCONNECTED CABLE SEGMENTS ARE NOT TO EXCEED 4500 FT. CONNECTION OVERCOURTESY SHOULD BE DASHY CHAIN. REFER TO BUILDING AUTOMATION SYSTEM (BAS) COMMUNICATION INSTALLATION LITERATURE FOR END OF LINE TERMINATION RESISTOR REQUIREMENTS.
 12. ALL CUSTOMER SUPPLIED CONTROL CIRCUIT WIRING MUST BE COPPER CONDUCTORS ONLY AND HAVE A MINIMUM INSULATION RATING OF 300V. EXCEPT AS NOTED, ALL CUSTOMER WIRING CONNECTIONS ARE MADE TO CIRCUIT BOARD MOUNTED BOX LUGS WITH A WIRE RANGE OF 14 TO 18 AWG OR TO DIN RAIL MOUNTED SPRING FORCE TERMINALS.

CONTACT RATINGS AND REQUIREMENTS:

- | | |
|----|--|
| 13 | UNIT PROVIDED DRY CONTACTS FOR THE CONDENSER / CHILLED WATER PUMP CONTROL. RELAY CONTACT RATINGS AT 120VAC: 7.2A RESISTIVE, 2.88A PILOT DUTY, OR 1/3 HP, 7.2 FLA. CONTACTS ARE RATED FOR 240VAC, 5A GENERAL PURPOSE DUTY. |
| 14 | CUSTOMER SUPPLIED CONTACTS FOR ALL LOW VOLTAGE CONNECTIONS MUST BE COMPATIBLE WITH DRY CIRCUIT 24VDC FOR A 12mA RESISTIVE LOAD. SILVER OR GOLD PLATED CONTACTS ARE RECOMMENDED. |
| 15 | TERMINALS 1 & 3 ARE TO BE WIRED TO REPORT % CAPACITY. OUTPUT CONFIGURED 2-10 VDC. |
| 16 | TERMINALS 2 & 3 ARE TO BE WIRED TO CUSTOMER EXTERNAL CHILLED WATER SETPOINT. INPUT CONFIGURED 2-10 VDC FROM FACTORY. SEE OPERATING INSTRUCTIONS TO CONFIGURE FOR 4-20 mA. |
| 17 | TERMINALS 5 & 6 ARE TO BE WIRED TO CUSTOMER EXTERNAL DEMAND LIMIT SETPOINT. INPUT CONFIGURED 2-10 VDC FROM FACTORY. SEE OPERATING INSTRUCTIONS TO CONFIGURE FOR 4-20 mA. |
| 18 | WHEN ICE MAKING OPTION SELECTED, DEFAULT RELAY SETTING WILL BE REPLACED WITH "ICE MAKING COMPLETE" OUTPUT FUNCTION. |
| 19 | 1T11, 1T12, AND 1T13 ARE WIRED TO 1K50 AND ARE LOOSE FOR FIELD INSTALLATION. INSTALLING CONTRACTOR TO LOO EACH CURRENT TRANSFORMER AROUND INCOMING WIRING IN ACCORDANCE WITH ENERGY METER INSTALLATION INSTRUCTIONS. BE MINDFUL OF PHASING AND THE DIRECTION THE ARROWS ARE POINTING ON THE CURRENT TRANSFORMER. |
| 20 | TERMINALS 4 & 6 ARE TO BE WIRED TO OUTPUT 10 VDC. |
| 21 | TERMINALS 5 & 6 ARE TO BE WIRED TO EXTERNAL HEAT RECOVERY WATER TEMPERATURE SETPOINT. INPUT CONFIGURED 2-10 VDC FROM FACTORY. |



THIS DRAWING IS PROPRIETARY
AND SHALL NOT BE COPIED
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TO OUTSIDE PARTIES WITHOUT
THE WRITTEN CONSENT OF TRANE

CAD: CREO SCHEMATICS

DIAGRAM UNIT FIELD WIRING

ACSA - ACXA UNIT

DRAWING NUMBER

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