

2309-7596  
SHEET 1 OF 2 REV D  
LAYOUT  
RTWD/RTUD  
60-250 TON WATER COOLED CHILLER  
UNIT COMPONENT LOCATION

TRANE  
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DRAWN BY: E. DUMMER © DATE: 06-SEP-07  
REPLACES:  
REVISION DATE: 12-AUG-09  
SIMILAR TO:

**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 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 VARIABLE, SE REPORTER AUX INSTRUCTIONS DE L'ENTRAÎNEMENT POUR DÉCHARGER LES CONDENSATEURS.

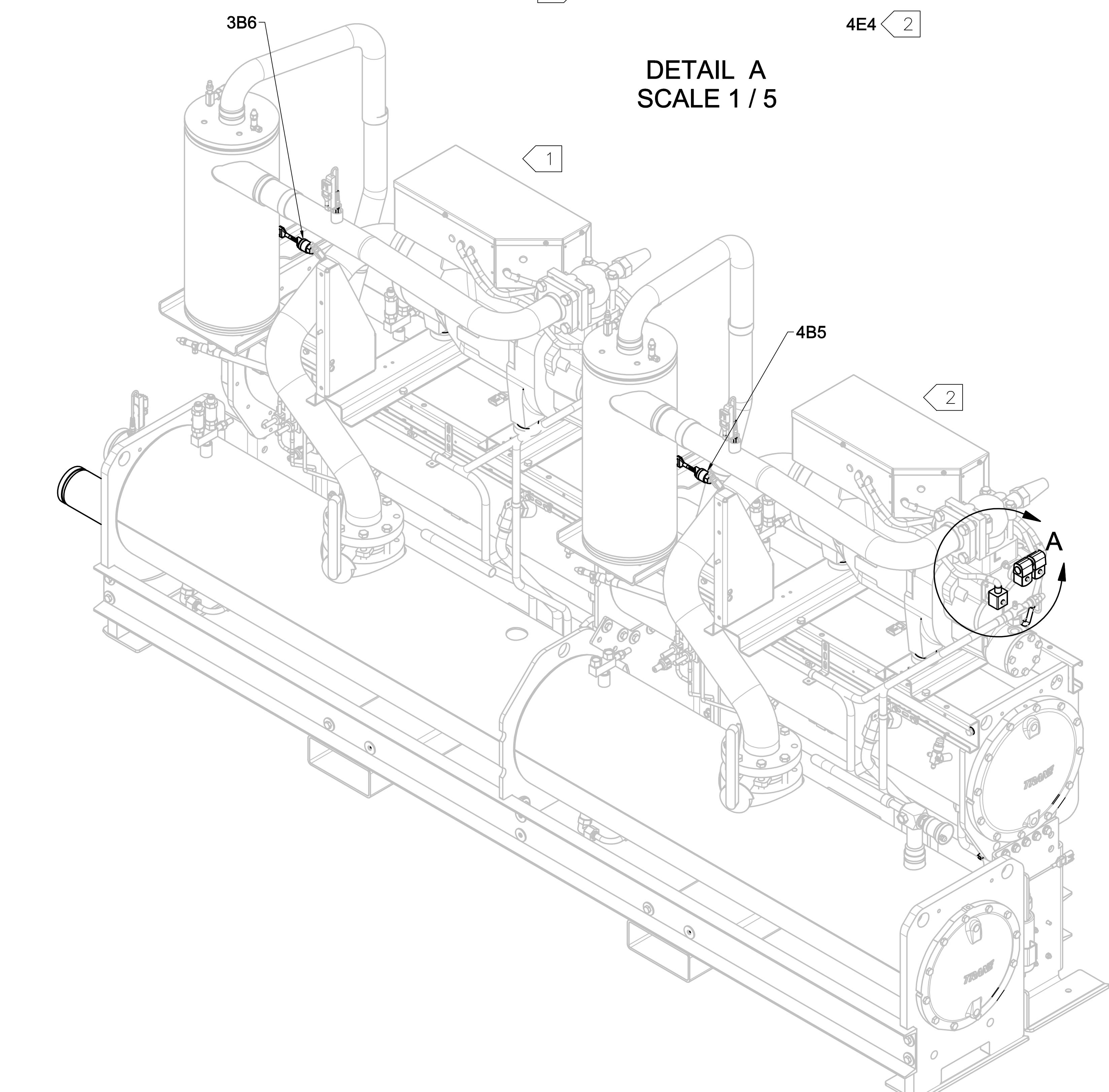
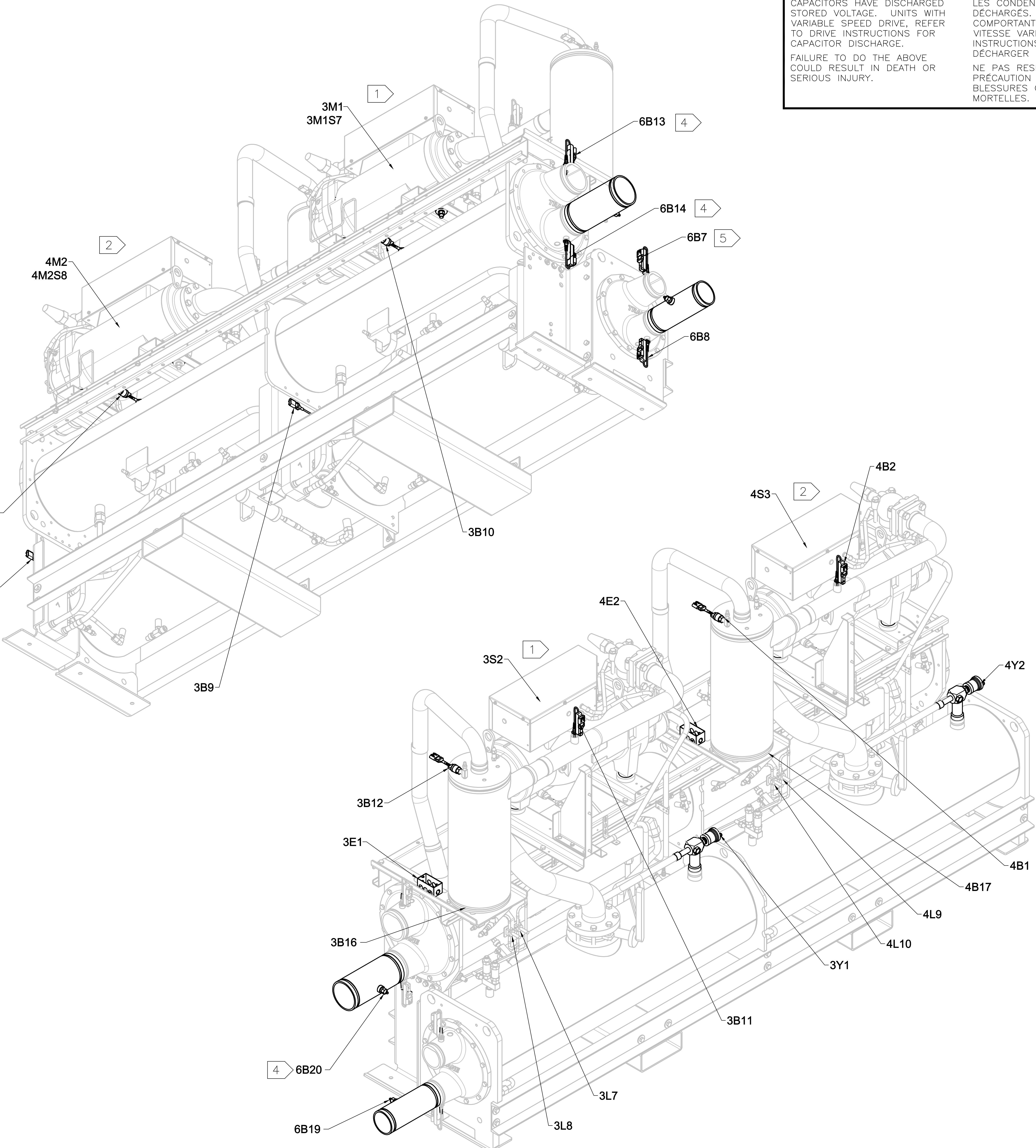
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**ADVERTENCIA**

IVOLTAJE PELIGROSO!

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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**

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LEGEND	
DEVICE DESIGNATION	DESCRIPTION
3B6	PRESSURE TRANSDUCER, SUCTION REFRIGERANT PRESSURE, CIRCUIT 1
3B9	LIQUID LEVEL SENSOR, EVAPORATOR REFRIGERANT, CIRCUIT 1
3B10	PRESSURE TRANSDUCER, OIL PRESSURE, COMPRESSOR 1A
3B11	TEMPERATURE SENSOR, COMPRESSOR DISCHARGE OIL, COMPRESSOR 1A
3B12	PRESSURE TRANSDUCER, CONDENSER REFRIGERANT PRESSURE, CIRCUIT 1
3B16	LIQUID LEVEL OPTICAL SENSOR, OIL LOSS CIRCUIT 1
3E1	HEATER, OIL SEPARATOR, COMPRESSOR 1A
3E3	HEATER, COMPRESSOR 1A
3L1	SOLENOID, STEP LOAD CONTROL, COMPRESSOR 1A
3L3	SOLENOID, PROPORTIONAL LOAD CONTROL, COMPRESSOR 1A
3L4	SOLENOID, PROPORTIONAL UNLOAD CONTROL, COMPRESSOR 1A
3L7	SOLENOID, OIL RETURN GAS PUMP FILL, COMPRESSOR 1A
3L8	SOLENOID, OIL RETURN GAS PUMP DRAIN, COMPRESSOR 1A
3M1	MOTOR, COMPRESSOR 1A
3M1S7	T-STAT, COMPRESSOR 1A MOTOR WINDING
3S2	PRESSURE SWITCH, HIGH PRESSURE CUTOFF, COMPRESSOR 1A, CLOSE ON PRESSURE RISE
3Y1	MOTOR, EXPANSION VALVE, CIRCUIT 1
4B1	PRESSURE TRANSDUCER, CONDENSER REFRIGERANT PRESSURE, CIRCUIT 2
4B2	TEMPERATURE SENSOR, COMPRESSOR DISCHARGE OIL, COMPRESSOR 2A
4B3	PRESSURE TRANSDUCER, OIL PRESSURE, COMPRESSOR 2A
4B4	LIQUID LEVEL SENSOR, EVAPORATOR REFRIGERANT, CIRCUIT 2
4B5	PRESSURE TRANSDUCER, SUCTION REFRIGERANT PRESSURE, CIRCUIT 2
4B17	LIQUID LEVEL OPTICAL SENSOR, OIL LOSS CIRCUIT 2
4E2	HEATER, OIL SEPARATOR, COMPRESSOR 2A
4E4	HEATER, COMPRESSOR 2A
4L2	SOLENOID, STEP LOAD CONTROL, COMPRESSOR 2A
4L5	SOLENOID, PROPORTIONAL LOAD CONTROL, COMPRESSOR 2A
4L6	SOLENOID, PROPORTIONAL UNLOAD CONTROL, COMPRESSOR 2A
4L9	SOLENOID, OIL RETURN GAS PUMP FILL, COMPRESSOR 2A
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4M2	MOTOR, COMPRESSOR 2A
4M2S8	T-STAT, COMPRESSOR 2A MOTOR WINDING
4S3	PRESSURE SWITCH, HIGH PRESSURE CUTOFF, COMPRESSOR 2A, CLOSE ON PRESSURE RISE
4Y2	MOTOR, EXPANSION VALVE, CIRCUIT 2
6B7	TEMPERATURE SENSOR, EVAPORATOR LEAVING WATER TEMPERATURE
6B8	TEMPERATURE SENSOR, EVAPORATOR ENTERING WATER TEMPERATURE
6B13	TEMPERATURE SENSOR, CONDENSER LEAVING WATER TEMPERATURE
6B14	TEMPERATURE SENSOR, CONDENSER ENTERING WATER TEMPERATURE
6B19	SENSOR, EVAPORATOR WATER FLOW
6B20	SENSOR, CONDENSER WATER FLOW

- 1 CIRCUIT 1, COMPRESSOR 1A
- 2 CIRCUIT 2, COMPRESSOR 2A
- 3. REFER TO RTWD/RTUD ELECTRICAL SCHEMATIC FOR SPECIFIC ELECTRICAL CONNECTION INFORMATION AND NOTES PERTAINING TO WIRING INSTALLATION.
- 4 NOT PRESENT ON UNITS PAIRED WITH AIR COOLED CONDENSERS
- 5 ON 2 PASS UNITS, MOUNTING ON THE SUPPLY WATER BOX  
ON 3 PASS UNITS, MOUNTING ON THE RETURN WATER BOX

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