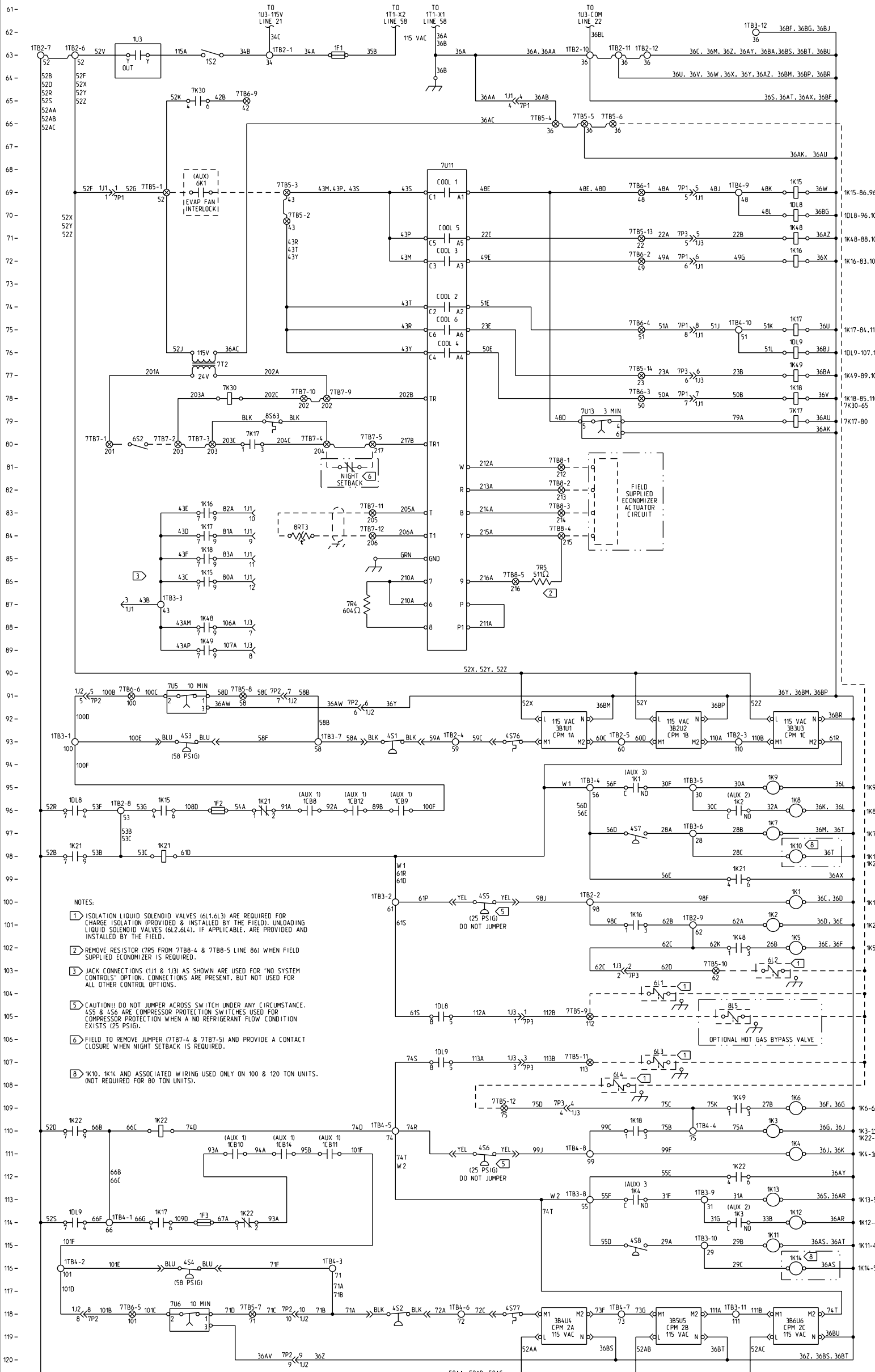




| LEGEND        |                                    |              |
|---------------|------------------------------------|--------------|
| DEVICE DESIGN | DESCRIPTION                        | LINE NUMBER  |
| 1CB10         | CIRCUIT BREAKER - COMPRESSOR       | 111          |
| 1CB11         | CIRCUIT BREAKER - COMPRESSOR       | 111          |
| 1CB12         | CIRCUIT BREAKER - COMPRESSOR       | 96           |
| 1CB14         | CIRCUIT BREAKER - COMPRESSOR       | 111          |
| 1CB8          | CIRCUIT BREAKER - COMPRESSOR       | 96           |
| 1CB9          | CIRCUIT BREAKER - COMPRESSOR       | 96           |
| 1D18          | RELAY - TIME DELAY                 | 70,96,105    |
| 1D19          | RELAY - TIME DELAY                 | 76,107,114   |
| 1F1           | FUSE - CONTROL CIRCUIT             | 63           |
| 1F2           | FUSE - COMPRESSOR PROTECTION       | 96           |
| 1F3           | FUSE - COMPRESSOR PROTECTION       | 114          |
| 1K1           | CONTACTOR - COMPRESSOR             | 95,100       |
| 1K10          | CONTACTOR - CONDENSER FAN          | 98           |
| 1K11          | CONTACTOR - CONDENSER FAN          | 115          |
| 1K12          | CONTACTOR - CONDENSER FAN          | 114          |
| 1K13          | CONTACTOR - CONDENSER FAN          | 113          |
| 1K14          | CONTACTOR - CONDENSER FAN          | 116          |
| 1K15          | RELAY - COOLING                    | 69,86,96     |
| 1K16          | RELAY - COOLING                    | 72,83,101    |
| 1K17          | RELAY - COOLING                    | 75,82,84,114 |
| 1K18          | RELAY - COOLING                    | 78,85,110    |
| 1K2           | CONTACTOR - COMPRESSOR             | 96,101       |
| 1K21          | RELAY - RESET                      | 96,98,99     |
| 1K22          | RELAY - RESET                      | 110,112,114  |
| 1K3           | CONTACTOR - COMPRESSOR             | 110,114      |
| 1K4           | CONTACTOR - COMPRESSOR             | 111,113      |
| 1K48          | RELAY - COOLING                    | 71,81,88,102 |
| 1K49          | RELAY - COOLING                    | 77,84,89,109 |
| 1K5           | CONTACTOR - COMPRESSOR             | 102          |
| 1K6           | CONTACTOR - COMPRESSOR             | 109          |
| 1K7           | CONTACTOR - CONDENSER FAN          | 97           |
| 1K8           | CONTACTOR - CONDENSER FAN          | 96           |
| 1K9           | CONTACTOR - CONDENSER FAN          | 95           |
| 1S2           | SWITCH - CONTROL CIRCUIT           | 63           |
| 1U3           | PHASE MONITOR                      | 63           |
| 38U1          | MODULE - COMPRESSOR PROTECTION     | 94           |
| 38U2          | MODULE - COMPRESSOR PROTECTION     | 94           |
| 38U3          | MODULE - COMPRESSOR PROTECTION     | 94           |
| 38U4          | MODULE - COMPRESSOR PROTECTION     | 118          |
| 38U5          | MODULE - COMPRESSOR PROTECTION     | 118          |
| 38U6          | MODULE - COMPRESSOR PROTECTION     | 118          |
| 4S1           | SWITCH - HIGH PRESSURE CUTOFF      | 93           |
| 4S2           | SWITCH - HIGH PRESSURE CUTOFF      | 118          |
| 4S3           | SWITCH - LOW PRESSURE CUTOFF       | 93           |
| 4S4           | SWITCH - LOW PRESSURE CUTOFF       | 116          |
| 4S5           | SWITCH - COMPRESSOR PROTECTION     | 100          |
| 4S6           | SWITCH - COMPRESSOR PROTECTION     | 111          |
| 4S7           | SWITCH - FAN PRESSURE CONTROL      | 97           |
| 4S76          | SWITCH - COMPRESSOR DISCHARGE TEMP | 93           |
| 4S77          | SWITCH - COMPRESSOR DISCHARGE TEMP | 118          |
| 4S8           | SWITCH - FAN PRESSURE CONTROL      | 115          |
| 6K1           | CONTACTOR - EVAPORATOR FAN         | 66,69,71     |
| 6L1           | SOLENOID - ISOLATION LIQUID        | 104          |
| 6L2           | SOLENOID - UNLOADING LIQUID        | 103          |
| 6L3           | SOLENOID - ISOLATION LIQUID        | 107          |
| 6L4           | SOLENOID - UNLOADING LIQUID        | 108          |
| 6S2           | SWITCH - SYSTEM CONTROL            | 80           |
| 7K17          | RELAY - EVAPORATOR FAN             | 65,78        |
| 7K30          | RESISTOR - STAGE                   | 87           |
| 7R4           | RESISTOR - LESS ECONOMIZER         | 86           |
| 7R5           | TRANSFORMER - 24V                  | 76           |
| 7U11          | CONTROLLER - DISCHARGE AIR         | 66           |
| 7U13          | TIMER - COMPRESSOR FIX ON          | 79,86        |
| 7U5           | TIMER - LOW PRESSURE               | 91           |
| 7U6           | TIMER - LOW PRESSURE               | 118          |
| 7U88          | TIMER - COMPRESSOR FIX ON          | 88           |
| 7U89          | TIMER - COMPRESSOR FIX ON          | 89           |
| 8L5           | SOLENOID - HOT GAS BYPASS          | 105          |

| DEVICE PREFIX LOCATION CODE |                                |
|-----------------------------|--------------------------------|
| AREA                        | LOCATION                       |
| 1                           | CONTROL BOX                    |
| 3                           | COMPRESSOR SECTION             |
| 4                           | EXTERNAL MOUNTED COMPONENTS    |
| 5                           | EXTERNAL MOUNTED COMPONENTS    |
| 6                           | CUSTOMER OR FIELD PROVIDED     |
| 7                           | OPTIONAL CONTROL PLATE         |
| 8                           | SHIP W/ FIELD INSTALLED DEVICE |

**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'EQUIPEMENT.

**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 ISOLATION LIQUID SOLENOID VALVES (6L1,6L3) ARE REQUIRED FOR CHARGE ISOLATION (PROVIDED & INSTALLED BY THE FIELD). UNLOADING LIQUID SOLENOID VALVES (6L2,6L4), IF APPLICABLE, ARE PROVIDED AND INSTALLED BY THE FIELD.
  - 2 REMOVE RESISTOR (7R5 FROM 7TB8-4 & 7TB8-5 LINE 86) WHEN FIELD SUPPLIED ECONOMIZER IS REQUIRED.
  - 3 JACK CONNECTIONS (1J1 & 1J3) AS SHOWN ARE USED FOR "NO SYSTEM CONTROLS" OPTION. CONNECTIONS ARE PRESENT, BUT NOT USED FOR ALL OTHER CONTROL OPTIONS.
  - 5 CAUTION! DO NOT JUMPER ACROSS SWITCH UNDER ANY CIRCUMSTANCE. 4S5 & 4S6 ARE COMPRESSOR PROTECTION SWITCHES USED FOR COMPRESSOR PROTECTION WHEN A NO REFRIGERANT FLOW CONDITION EXISTS (25 PSIG).
  - 6 FIELD TO REMOVE JUMPER (7TB7-4 & 7TB7-5) AND PROVIDE A CONTACT CLOSURE WHEN NIGHT SETBACK IS REQUIRED.
  - 8 1K10, 1K14 AND ASSOCIATED WIRING USED ONLY ON 100 & 120 TON UNITS. (NOT REQUIRED FOR 80 TON UNITS).

**IMPORTANT!**  
DO NOT ENERGIZE UNIT UNTIL CHECK-OUT AND START-UP PROCEDURE HAS BEEN COMPLETED.

| TERMINAL BLOCKS |               |
|-----------------|---------------|
| DEVICE DESIGN   | DESCRIPTION   |
| 1TB2            | POWER         |
| 1TB3            | CONTROLS      |
| 1TB4            | CONTROLS      |
| 7TB5            | CUSTOMER CONN |
| 7TB6            | CUSTOMER CONN |
| 7TB7            | CUSTOMER CONN |
| 7TB8            | CUSTOMER CONN |

|                                    |  |                                                                                                                                                                   |  |
|------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| LOCATION CODE                      |  | LOCATION                                                                                                                                                          |  |
| SECTION                            |  |                                                                                                                                                                   |  |
| UNIT COMPONENTS                    |  | UNIT COMPONENTS                                                                                                                                                   |  |
| UNITED CONDENSING                  |  | UNITED CONDENSING                                                                                                                                                 |  |
| FIELD PROVIDED                     |  | FIELD PROVIDED                                                                                                                                                    |  |
| CONTROL PLATE                      |  | CONTROL PLATE                                                                                                                                                     |  |
| INSTALLED DEVICE                   |  | INSTALLED DEVICE                                                                                                                                                  |  |
| UTION                              |  |                                                                                                                                                                   |  |
| FACTORS ONLY!                      |  |                                                                                                                                                                   |  |
| NOT BE DESIGNED TO                 |  |                                                                                                                                                                   |  |
| TYPES OF CONDUCTORS.               |  |                                                                                                                                                                   |  |
| MAY CAUSE DAMAGE TO                |  |                                                                                                                                                                   |  |
| ENTION                             |  |                                                                                                                                                                   |  |
| UNITÉ NE SONT PAS                  |  |                                                                                                                                                                   |  |
| LEVOIR D'AUTRES TYPES              |  |                                                                                                                                                                   |  |
| TOUT AUTRE CONDUCTEUR              |  |                                                                                                                                                                   |  |
| L'EQUIPEMENT.                      |  |                                                                                                                                                                   |  |
| CAUCIÓN                            |  |                                                                                                                                                                   |  |
| NTE CONDUCTORES DE                 |  |                                                                                                                                                                   |  |
| LA OTROS NO ESTÁN                  |  |                                                                                                                                                                   |  |
| ACEPTAR LOS TIPOS DE               |  |                                                                                                                                                                   |  |
| DEBE OCASIONAR DAÑO AL             |  |                                                                                                                                                                   |  |
| DRAWN BY: O. SHANNON               |  | THIS DRAWING IS AN ADAPTATION OF THE ORIGINAL DRAWING OF THE CONDENSING UNIT. IT IS NOT TO BE USED FOR OTHER PURPOSES WITHOUT THE WRITTEN CONSENT OF THE COMPANY. |  |
| PROJECT: 2307-9215-F               |  | SCALE: 3/4"=1'                                                                                                                                                    |  |
| DESIGN DATE: 10/2/71               |  | CHECKED BY: DATE:                                                                                                                                                 |  |
| CADD SYSTEM: PLOT/DIGRAM           |  | SHEET NO. 1 OF 1                                                                                                                                                  |  |
| FILE NUMBER: 2307-9213             |  | DRAWING NUMBER: 2307-9215                                                                                                                                         |  |
| SPLIT SYSTEM CONDENSING UNIT       |  | SHEET: 1 OF 1                                                                                                                                                     |  |
| DIAGRAM                            |  | REV. A                                                                                                                                                            |  |
| SCHEMATIC - AIR COOLED             |  |                                                                                                                                                                   |  |
| TON - VARIABLE AIR VOLUME CONTROLS |  |                                                                                                                                                                   |  |
| SCHEMATIC 2 OF 2                   |  |                                                                                                                                                                   |  |