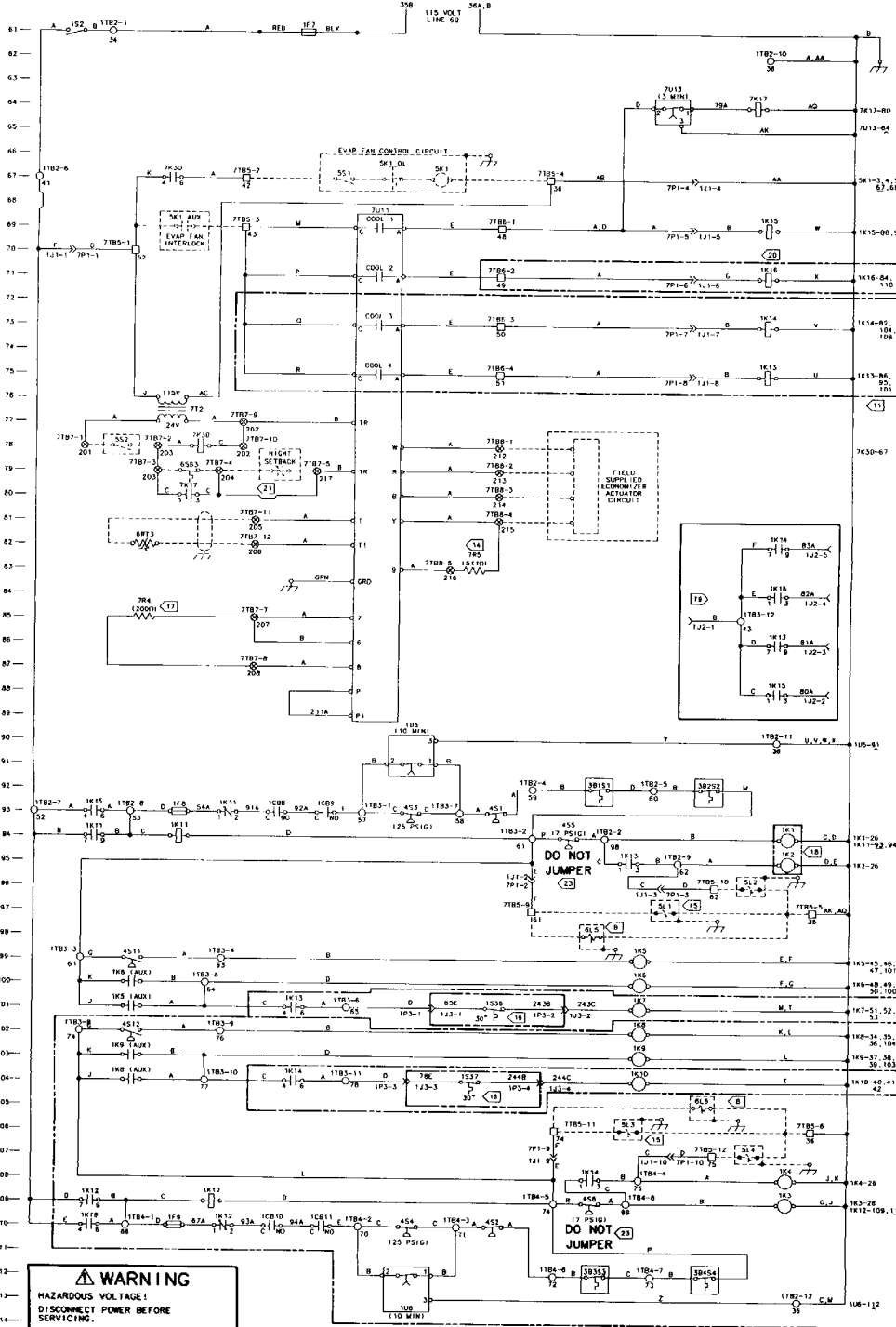
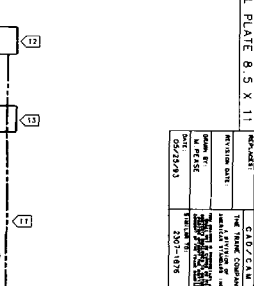




DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
17B2-1	COMP. CIRCUIT BREAKER	22
17B2-2	CONDENSER FAN FUSE	40, 34-36
17B2-3	CONTROL CIRCUIT FUSE	81
17B2-4	COMP. PROTECTOR FUSE	53, 110
17B2-5	JACK CONNECTOR	121, 122, 123
17B2-6	COMPRESSOR CONTACTOR	94, 95
17B2-7	CONDENSER FAN CONTACTOR	109, 108
17B2-8	CONDENSER FAN CONTACTOR	99, 100, 101
17B2-9	CONDENSER FAN CONTACTOR	102, 103, 104
17B2-10	REJECT RELAY	94, 109
17B2-11	COOLING RELAY	25, 98, 73
17B2-12	COOLING RELAY	69, 71
17B2-13	PLUG CONNECTOR	17
17B2-14	MANUAL DISCONNECT SWITCH	81
17B2-15	CONTROL CIRCUIT SWITCH	101, 104
17B2-16	LOW AMBIENT T-STAT	58
17B2-17	CONTROL POWER TRANSFORMER	11
17B2-18	POWER TERMINAL BLOCK	11
17B2-19	CONTROL TERMINAL BLOCK	50, 113
17B2-20	LOW PRESSURE THERMIST	50, 113
17B2-21	CONDENSER FAN MOTOR	46, 49, 52
17B2-22	CONDENSER FAN MOTOR	55, 38, 41
17B2-23	COMPRESSION	30
17B2-24	COMP. WINDING THERMOSTAT	92
17B2-25	COMP. WINDING THERMOSTAT	112
17B2-26	HIGH PRESSURE CUTOFF	93, 110
17B2-27	LOW PRESSURE CUTOFF	93, 110
17B2-28	POWER PROTECTION SWITCH	94, 109
17B2-29	FAN PRESSURE CONTROL	99, 102
17B2-30	EVAPORATOR FAN MOTOR	4
17B2-31	EVAP. FAN STARTER	67
17B2-32	LIQUID LINE SOLENOID	92, 98
17B2-33	LIQUID LINE SOLENOID	106, 107
17B2-34	EVAP. FAN CONTACTOR	67
17B2-35	SYSTEM CONTROL SWITCH	78
17B2-36	HOT GAS BYPASS SOLENOID	98, 100
17B2-37	DISCHARGE AIR SENSOR	82
17B2-38	SUCTION LINE THERMOSTAT	79
17B2-39	COMP. FUSED ON RELAY	64
17B2-40	EVAPORATOR FAN RELAY	78
17B2-41	PLUG CONNECTOR	85
17B2-42	STAGE RESISTOR	83
17B2-43	LESS ECONOMIZER RESISTOR	83
17B2-44	24V CONTROL TRANSFORMER	78
17B2-45	CONTROL TERMINAL BLOCK	68
17B2-46	DISCH. AIR CONTROLLER	79
17B2-47	COMP. FUSED ON TIMER	64

AREA	LOCATION
1	CONTROL PANEL
2	FAN SECTION
3	COMPRESSOR
4	EXTERNAL MOUNTED COMPONENTS
5	CUSTOMER OR FIELD PROVIDED
6	SHIP OR FIELD INSTALLED DEVICE
7	OPTIONAL CONTROL PLATE



WARNING
HAZARDOUS VOLTAGE!
DISCONNECT POWER BEFORE SERVICING.
FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH.

AVERTISSEMENT
DÉCONNECTEZ LA SOURCE ÉLECTRIQUE AVANT D'EFFECTUER L'ENTRETIEN.
L'ENTRAÎNER DES BLESSURES CORPORELLES SÉVÈRES OU LA MORT.

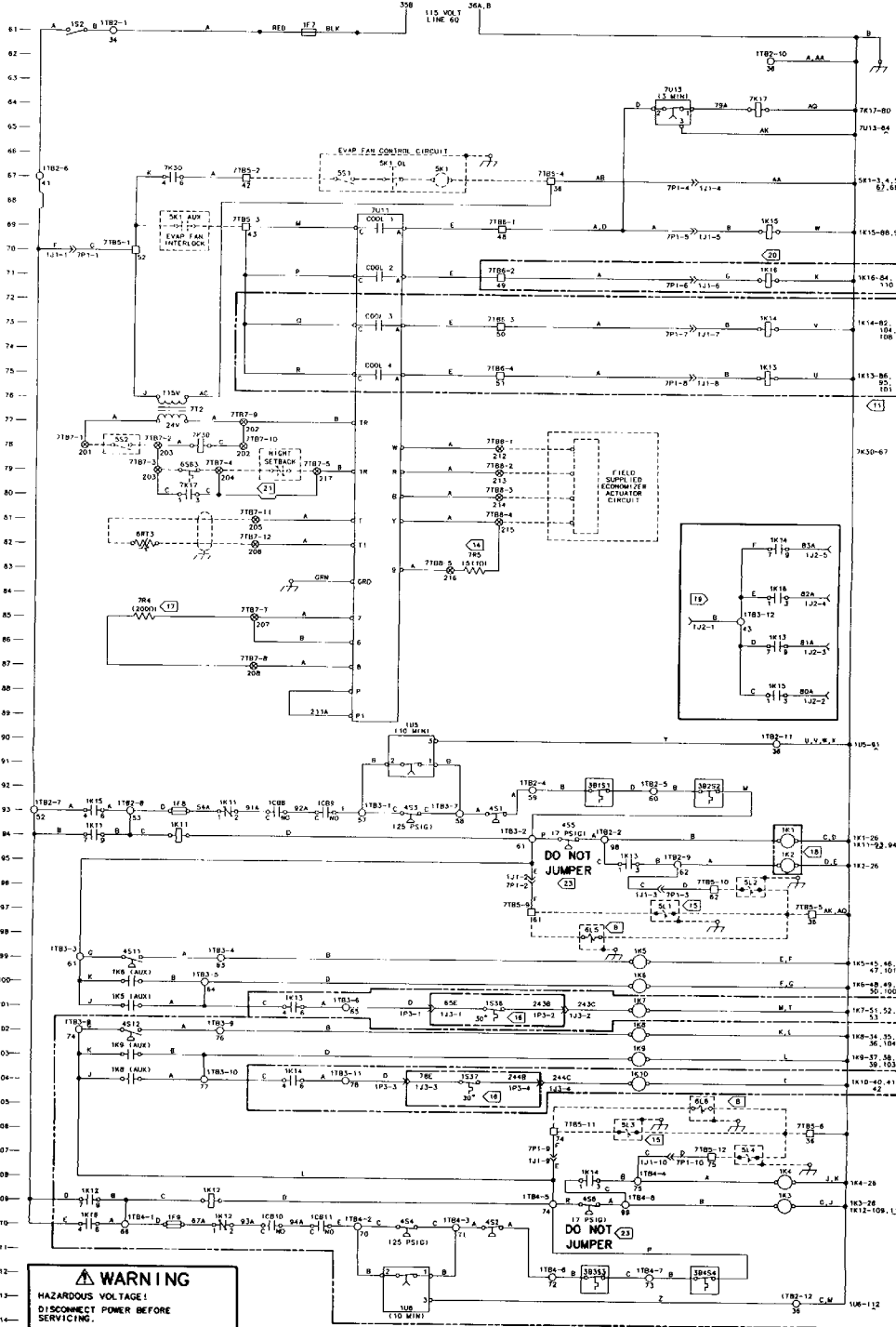
USE COPPER CONDUCTORS ONLY
UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT ANY OTHER WIRING.

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

- NOTES:
- 17 USED ON 40, 50 AND 60 TON UNITS ONLY.
 - 18 USED ON 25, 30, 35 AND 60 TON UNITS ONLY.
 - 19 USED ON 20 AND 60 TON UNITS ONLY.
 - 20 WINDING RESISTOR 1785 FROM 778B-4 & 778B-5 LINE 831 WHEN FIELD SUPPLIED ECONOMIZER IS REQUIRED.
 - 21 OPTIONAL FIELD PROVIDED AND INSTALLED LIQUID LINE SOLENOID VALVE (SLV) FROM 541 FOR CHARGE ISOLATION.
 - 22 1536, 1537 AND ASSOCIATED WIRING ARE USED WITH LOW AMBIENT OPTION ONLY. ON UNITS WITHOUT LOW AMBIENT OPTION, CONNECT JACK 123-2 TO PLUS IP3-1 AND JACK 123-4 TO PLUS IP3-3.
 - 23 RESISTOR 1784 - 2000Ω AS SHOWN IS FOR 20 THRU 30 TON UNITS. RESISTOR IS 4020Ω ON 40 THRU 60 TON UNITS.
 - 24 CONNECTIONS AS SHOWN TO COMPRESSOR CONTACTOR COILS # 2, 1, 181 & 182 ARE FOR ALL UNITS EXCEPT 25 TON. SEE INSET 'B' FOR 25 TON CONNECTIONS.

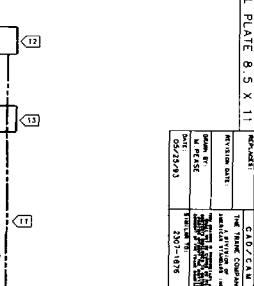
- 17 JACK CONNECTIONS (121) AS SHOWN ARE USED FOR "NO SYSTEM CONTROLS" OPTION. CONNECTIONS ARE PRESENT, BUT NOT USED FOR ALL OTHER CONTROL OPTIONS.
- 20 COOL-2 CIRCUIT AS SHOWN IS FOR 40 THRU 60 TON UNITS. SEE INSET 'C' FOR 20 THRU 30 TON CIRCUIT VARIATION.
- 21 FIELD TO REMOVE JUMPER (17B2-10) AND PROVIDE A CONTACT CLOSURE WHEN NIGHT SETBACK IS REQUIRED.
- 22 THE FOLLOWING CAPABILITIES ARE OPTIONAL - THEY ARE UNLIMITED AND WIRING AS REQUIRED FOR A SPECIFIC APPLICATION.
- 23 NOT GAS BYPASS VALVE (GLV & GLB - LINE 98 & 100).
- 450 & 458 ARE COMPRESSOR PROTECTION SWITCHES USED FOR COMPRESSOR PROTECTION WHEN A NO REVERSE FLOW CONDITION EXISTS (7 PSI/G). CAUTION! DO NOT JUMPER ACROSS SWITCH UNDER ANY CIRCUMSTANCE.

SCROLL SYSTEM CONDENSING UNIT
LINE VOLTAGE: 208-240V/3PH/3W/4W/5W/6W/7W/8W/9W/10W/11W/12W/13W/14W/15W/16W/17W/18W/19W/20W/21W/22W/23W/24W/25W/26W/27W/28W/29W/30W/31W/32W/33W/34W/35W/36W/37W/38W/39W/40W/41W/42W/43W/44W/45W/46W/47W/48W/49W/50W/51W/52W/53W/54W/55W/56W/57W/58W/59W/60W/61W/62W/63W/64W/65W/66W/67W/68W/69W/70W/71W/72W/73W/74W/75W/76W/77W/78W/79W/80W/81W/82W/83W/84W/85W/86W/87W/88W/89W/90W/91W/92W/93W/94W/95W/96W/97W/98W/99W/100W/101W/102W/103W/104W/105W/106W/107W/108W/109W/110W/111W/112W/113W/114W/115W/116W/117W/118W/119W/120W/121W/122W/123W/124W/125W/126W/127W/128W/129W/130W/131W/132W/133W/134W/135W/136W/137W/138W/139W/140W/141W/142W/143W/144W/145W/146W/147W/148W/149W/150W/151W/152W/153W/154W/155W/156W/157W/158W/159W/160W/161W/162W/163W/164W/165W/166W/167W/168W/169W/170W/171W/172W/173W/174W/175W/176W/177W/178W/179W/180W/181W/182W/183W/184W/185W/186W/187W/188W/189W/190W/191W/192W/193W/194W/195W/196W/197W/198W/199W/200W/201W/202W/203W/204W/205W/206W/207W/208W/209W/210W/211W/212W/213W/214W/215W/216W/217W/218W/219W/220W/221W/222W/223W/224W/225W/226W/227W/228W/229W/230W/231W/232W/233W/234W/235W/236W/237W/238W/239W/240W/241W/242W/243W/244W/245W/246W/247W/248W/249W/250W/251W/252W/253W/254W/255W/256W/257W/258W/259W/260W/261W/262W/263W/264W/265W/266W/267W/268W/269W/270W/271W/272W/273W/274W/275W/276W/277W/278W/279W/280W/281W/282W/283W/284W/285W/286W/287W/288W/289W/290W/291W/292W/293W/294W/295W/296W/297W/298W/299W/300W/301W/302W/303W/304W/305W/306W/307W/308W/309W/310W/311W/312W/313W/314W/315W/316W/317W/318W/319W/320W/321W/322W/323W/324W/325W/326W/327W/328W/329W/330W/331W/332W/333W/334W/335W/336W/337W/338W/339W/340W/341W/342W/343W/344W/345W/346W/347W/348W/349W/350W/351W/352W/353W/354W/355W/356W/357W/358W/359W/360W/361W/362W/363W/364W/365W/366W/367W/368W/369W/370W/371W/372W/373W/374W/375W/376W/377W/378W/379W/380W/381W/382W/383W/384W/385W/386W/387W/388W/389W/390W/391W/392W/393W/394W/395W/396W/397W/398W/399W/400W/401W/402W/403W/404W/405W/406W/407W/408W/409W/410W/411W/412W/413W/414W/415W/416W/417W/418W/419W/420W/421W/422W/423W/424W/425W/426W/427W/428W/429W/430W/431W/432W/433W/434W/435W/436W/437W/438W/439W/440W/441W/442W/443W/444W/445W/446W/447W/448W/449W/450W/451W/452W/453W/454W/455W/456W/457W/458W/459W/460W/461W/462W/463W/464W/465W/466W/467W/468W/469W/470W/471W/472W/473W/474W/475W/476W/477W/478W/479W/480W/481W/482W/483W/484W/485W/486W/487W/488W/489W/490W/491W/492W/493W/494W/495W/496W/497W/498W/499W/500W/501W/502W/503W/504W/505W/506W/507W/508W/509W/510W/511W/512W/513W/514W/515W/516W/517W/518W/519W/520W/521W/522W/523W/524W/525W/526W/527W/528W/529W/530W/531W/532W/533W/534W/535W/536W/537W/538W/539W/540W/541W/542W/543W/544W/545W/546W/547W/548W/549W/550W/551W/552W/553W/554W/555W/556W/557W/558W/559W/560W/561W/562W/563W/564W/565W/566W/567W/568W/569W/570W/571W/572W/573W/574W/575W/576W/577W/578W/579W/580W/581W/582W/583W/584W/585W/586W/587W/588W/589W/590W/591W/592W/593W/594W/595W/596W/597W/598W/599W/600W/601W/602W/603W/604W/605W/606W/607W/608W/609W/610W/611W/612W/613W/614W/615W/616W/617W/618W/619W/620W/621W/622W/623W/624W/625W/626W/627W/628W/629W/630W/631W/632W/633W/634W/635W/636W/637W/638W/639W/640W/641W/642W/643W/644W/645W/646W/647W/648W/649W/650W/651W/652W/653W/654W/655W/656W/657W/658W/659W/660W/661W/662W/663W/664W/665W/666W/667W/668W/669W/670W/671W/672W/673W/674W/675W/676W/677W/678W/679W/680W/681W/682W/683W/684W/685W/686W/687W/688W/689W/690W/691W/692W/693W/694W/695W/696W/697W/698W/699W/700W/701W/702W/703W/704W/705W/706W/707W/708W/709W/710W/711W/712W/713W/714W/715W/716W/717W/718W/719W/720W/721W/722W/723W/724W/725W/726W/727W/728W/729W/730W/731W/732W/733W/734W/735W/736W/737W/738W/739W/740W/741W/742W/743W/744W/745W/746W/747W/748W/749W/750W/751W/752W/753W/754W/755W/756W/757W/758W/759W/760W/761W/762W/763W/764W/765W/766W/767W/768W/769W/770W/771W/772W/773W/774W/775W/776W/777W/778W/779W/780W/781W/782W/783W/784W/785W/786W/787W/788W/789W/790W/791W/792W/793W/794W/795W/796W/797W/798W/799W/800W/801W/802W/803W/804W/805W/806W/807W/808W/809W/810W/811W/812W/813W/814W/815W/816W/817W/818W/819W/820W/821W/822W/823W/824W/825W/826W/827W/828W/829W/830W/831W/832W/833W/834W/835W/836W/837W/838W/839W/840W/841W/842W/843W/844W/845W/846W/847W/848W/849W/850W/851W/852W/853W/854W/855W/856W/857W/858W/859W/860W/861W/862W/863W/864W/865W/866W/867W/868W/869W/870W/871W/872W/873W/874W/875W/876W/877W/878W/879W/880W/881W/882W/883W/884W/885W/886W/887W/888W/889W/890W/891W/892W/893W/894W/895W/896W/897W/898W/899W/900W/901W/902W/903W/904W/905W/906W/907W/908W/909W/910W/911W/912W/913W/914W/915W/916W/917W/918W/919W/920W/921W/922W/923W/924W/925W/926W/927W/928W/929W/930W/931W/932W/933W/934W/935W/936W/937W/938W/939W/940W/941W/942W/943W/944W/945W/946W/947W/948W/949W/950W/951W/952W/953W/954W/955W/956W/957W/958W/959W/960W/961W/962W/963W/964W/965W/966W/967W/968W/969W/970W/971W/972W/973W/974W/975W/976W/977W/978W/979W/980W/981W/982W/983W/984W/985W/986W/987W/988W/989W/990W/991W/992W/993W/994W/995W/996W/997W/998W/999W/1000W/1001W/1002W/1003W/1004W/1005W/1006W/1007W/1008W/1009W/1010W/1011W/1012W/1013W/1014W/1015W/1016W/1017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DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
1CBM-1B11	COMP. CIRCUIT BREAKER	22
1F1 - 1F6	CONDENSER FAN FUSE	40, 34-36
1F7	CONTROL CIRCUIT FUSE	81
1F8, 1F9	COMP. PROTECTOR FUSE	53, 110
1J1, 1J2, 1J3	JACK CONNECTOR	
1K1, 1K2	COMPRESSOR CONTACTOR	94, 95
1K3, 1K4	COMPRESSOR CONTACTOR	109, 108
1K5, 1K6, 1K7	CONDENSER FAN CONTACTOR	99, 100, 101
1K8, 1K9, 1K10	CONDENSER FAN CONTACTOR	102, 103, 104
1K11, 1K12	RESET RELAY	94, 109
1K13, 1K14	COOLING RELAY	75, 98, 73
1K15, 1K16	COOLING RELAY	69, 71
1P5	PLUG CONNECTOR	
1S1	MANUAL DISCONNECT SWITCH	11
1S2	CONTROL CIRCUIT SWITCH	81
1S36, 1S37	LOW AMBIENT T-STAT	101, 104
1T1	CONTROL POWER TRANSFORMER	58
1T81	POWER TERMINAL BLOCK	11
1T82 - 1T84	CONTROL TERMINAL BLOCK	
1U5, 1U6	LOW PRESSURE THERMIST	50, 113
2B1 - 2B3	CONDENSER FAN MOTOR	46, 49, 52
2B4 - 2B6	CONDENSER FAN MOTOR	55, 36, 41
3B1 - 3B4	COMPRESSOR	30
3B151, 3B152	COMP. WINDING THERMOSTAT	92
3B153, 3B154	COMP. WINDING THERMOSTAT	112
451, 452	HIGH PRESSURE CUTOFF	93, 110
453, 454	LOW PRESSURE CUTOFF	93, 110
455, 456	POWER PROTECTION SWITCH	94, 109
4511, 4512	FAN PRESSURE CONTROL	99, 102
501	EVAPORATOR FAN MOTOR	4
5K1	EVAP. FAN STARTER	67
5L1, 5L2	LIQUID LINE SOLENOID	97, 98
5L3, 5L4	LIQUID LINE SOLENOID	106, 107
5S1	EVAP. FAN SWITCH	67
5S2	SYSTEM CONTROL SWITCH	78
6L9, 6L8	HOT GAS BYPASS SOLENOID	98, 100
6R13	DISCHARGE AIR SENSOR	82
6R15	SUCTION LINE THERMOSTAT	79
7K17	COMP. FUSED ON RELAY	64
7K30	EVAPORATOR FAN RELAY	78
7P1	PLUG CONNECTOR	
7R4	STAGE RESISTOR	85
7R5	LESS ECONOMIZER RESISTOR	83
7T2	24V CONTROL TRANSFORMER	58
7T81 - 7T88	CONTROL TERMINAL BLOCK	69
7U11	DISCH. AIR CONTROLLER	78
7U13	COMP. FUSED ON TIMER	64

AREA	LOCATION
1	CONTROL PANEL
2	FAN SECTION
3	COMPRESSOR
4	EXTERNAL MOUNTED COMPONENTS
5	CUSTOMER OR FIELD PROVIDED
6	SHIP W/ FIELD INSTALLED SERVICE
7	OPTIONAL CONTROL PLATE



WARNING
HAZARDOUS VOLTAGE!
DISCONNECT POWER BEFORE SERVICING.
FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH.

AVERTISSEMENT
DÉCONNECTEZ LA SOURCE ÉLECTRIQUE AVANT D'EFFECTUER L'ENTRETIEN.
L'ENTRAÎNER DES BLESSURES CORPORELLES SÉVÈRES OU LA MORT.

USE COPPER CONDUCTORS ONLY
UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT ANY OTHER WIRING.

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

- NOTES:
- 11 USED ON 40, 50 AND 60 TON UNITS ONLY.
 - 12 USED ON 25, 30, 35 AND 60 TON UNITS ONLY.
 - 13 USED ON 20 AND 60 TON UNITS ONLY.
 - 14 WINDING RESISTOR 1785 FROM 7T88-4 & 7T88-5 LINE 831 WHEN FIELD SUPPLIED ECONOMIZER IS REQUIRED.
 - 15 OPTIONAL FIELD PROVIDED AND INSTALLED LIQUID LINE SOLENOID VALVE (5L1 THRU 5L4) FOR CHARGE ISOLATION.
 - 16 1536, 1537 AND ASSOCIATED WIRING ARE USED WITH LOW AMBIENT OPTION ONLY. ON UNITS WITHOUT LOW AMBIENT OPTION, CONNECT JACK 1J3-2 TO PLUS IP3-1 AND JACK 1J3-4 TO PLUS IP3-3.
 - 17 RESISTOR 1784 - 2000Ω AS SHOWN IS FOR 20 THRU 30 TON UNITS. RESISTOR IS 4020Ω ON 40 THRU 60 TON UNITS.
 - 18 CONNECTIONS AS SHOWN TO COMPRESSOR CONTACTOR COILS # 2, 1K1 & 1K2 ARE FOR ALL UNITS EXCEPT 25 TON. SEE INSET 'B' FOR 25 TON CONNECTIONS.

- 19 JACK CONNECTIONS (1J1) AS SHOWN ARE USED FOR "NO SYSTEM CONTROLS" OPTION. CONNECTIONS ARE PRESENT, BUT NOT USED FOR ALL OTHER CONTROL OPTIONS.
- 20 COOL-2 CIRCUIT AS SHOWN IS FOR 40 THRU 60 TON UNITS. SEE INSET 'C' FOR 20 THRU 30 TON CIRCUIT VARIATION.
- 21 FIELD TO REMOVE JUMPER (1T87-B & 5) AND PROVIDE A CONTACT CLOSURE WHEN NIGHT SETBACK IS REQUIRED.
- 22 THE FOLLOWING CAPABILITIES ARE OPTIONAL - THEY ARE UNIMPLEMENTED AND WIRING AS REQUIRED FOR A SPECIFIC APPLICATION.
 - B HOT GAS BYPASS VALVE (6L5 & 6L8 - LINE 98 & 100)
- 23 455 & 456 ARE COMPRESSOR PROTECTION SWITCHES USED FOR COMPRESSOR PROTECTION WHEN A NO REVERSIBLE FLOW CONDITION EXISTS (7 PSI(G)). CAUTION!! DO NOT JUMPER ACROSS SWITCH UNDER ANY CIRCUMSTANCE.

SCROLL SYSTEM CONDENSING UNIT
LINE VOLTAGE: 208-230V/1PH/60HZ/3W
RATED HP: 40-60 TON
RATED KW: 40-60 TON
RATED AMP: 40-60 TON
RATED VOL: 208-230V/1PH/60HZ/3W
RATED HP: 40-60 TON
RATED KW: 40-60 TON
RATED AMP: 40-60 TON
RATED VOL: 208-230V/1PH/60HZ/3W