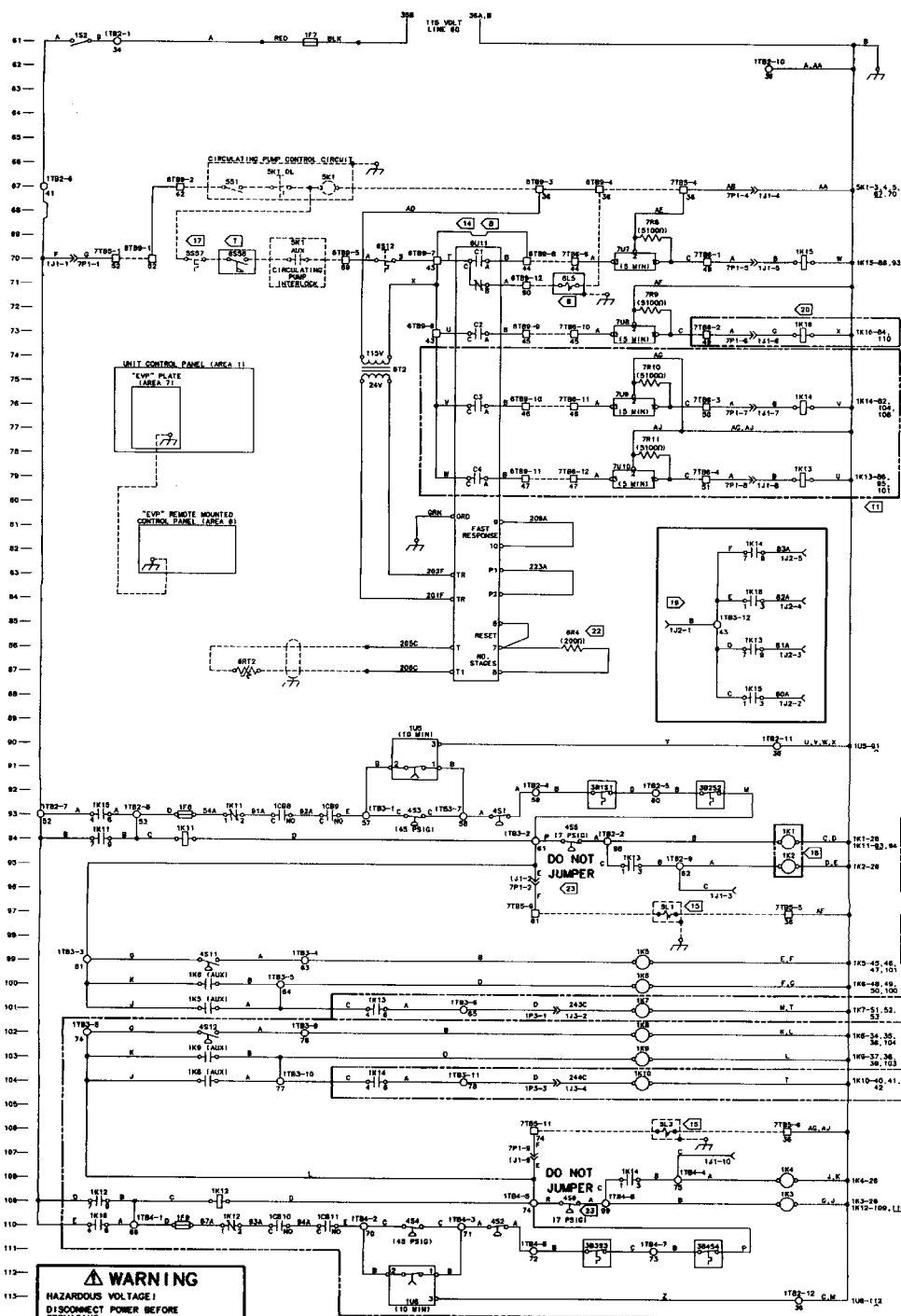




DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
1782-101	COMPRESSOR CIRCUIT BREAKER	32
1782-102	CONDENSER FAN FUSE	40, 34-36
1782-103	CONTROL CIRCUIT FUSE	31
1782-104	COMPRESSOR FUSE	32, 170
1782-105	JACK CONNECTOR	81, 82
1782-106	COMPRESSOR CONTACTOR	81, 82
1782-107	CONDENSER FAN CONTACTOR	109, 108
1782-108	CONDENSER FAN CONTACTOR	89, 100, 101
1782-109	CONDENSER FAN CONTACTOR	102, 103, 104
1782-110	RESET RELAY	84, 108
1782-111	COOLING RELAY	79, 88, 78
1782-112	COOLING RELAY	78, 73
1782-113	PLUS CONNECTOR	11
1782-114	MANUAL DISCONNECT SWITCH	81
1782-115	CONTROL CIRCUIT SWITCH	81
1782-116	CONTROL POWER TRANSFORMER	58
1782-117	POWER TERMINAL BLOCK	11
1782-118	CONTROL TERMINAL BLOCK	90, 113
1782-119	LOW PRESSURE TIMER	90, 113
281-283	CONDENSER FAN MOTOR	48, 49, 52
284-286	CONDENSER FAN MOTOR	53, 54, 51
301-304	COMPRESSOR	30
3811, 3812	COMPRESSOR THERMOSTAT	82
3823, 3845	COMPRESSOR THERMOSTAT	111
451, 452	HIGH PRESSURE OUTPUT	85, 110
453, 454	LOW PRESSURE OUTPUT	83, 110
455, 456	COMPRESSOR PROTECTION SWITCH	84, 109
451, 452	FAN PRESSURE CONTROL	99, 102
581	CIRCULATING PUMP MOTOR	4
581, 583	CIRCULATING PUMP STARTER	83
581, 583	LIQUID LINE SOLENOID	87, 108
551	SYSTEM ON/OFF SWITCH	87
553	OUTSIDE AIR THERMOSTAT	70
610	NOT GAS BYPASS SOLENOID	71
684	STAGE RESISTOR	86
6872	CHILLER TEMP SENSOR	87
6512	PRESETTER	70
6520	FLOW SWITCH	70
672	24V TRANSFORMER	74
6789	CONTROL TERMINAL BLOCK	70
6811	CHILLER CONTROLLER	70
791	PLUS CONNECTOR	11
798, 799	LOAD RESISTOR	89, 72
7910, 7911	LOAD RESISTOR	75, 78
7789, 7790	CONTROL TERMINAL BLOCK	70, 73
7912, 7913	COMPRESSOR FUSE	70, 73
7914, 7915	COMPRESSOR FUSE	70, 73

DEVICE PREFIX LOCATION CODE	LOCATION
1	CONTROL PANEL
2	FAN SECTION
3	COMPRESSOR
4	EXTERNAL MOUNTED COMPONENTS
5	CUSTOMER OR FIELD PROVIDED
7	OPTIONAL CONTROL PLATE



LINE	1782-2	1782-3	1782-4
1782-2	1782-2	1782-3	1782-4
1782-3	1782-2	1782-3	1782-4
1782-4	1782-2	1782-3	1782-4

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

AVERTISSEMENT
VOLTAGE HASARDEUX!
DECONNECTER LA SOURCE ELECTRIQUE
AVANT D'EXECUTER L'ENTRETIEN.
FAUTE DE DECONNECTER LA SOURCE
ELECTRIQUE AVANT D'EXECUTER
L'ENTRETIEN DES BLEZURES CORPORELLES
SEVERES OU LA MORT.

USE COPPER CONDUCTORS ONLY
UNIT TERMINALS ARE NOT DESIGNED
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DO NOT ENERGIZE
UNIT UNTIL DISCONNECT
AND STAGE OF PROTECTION
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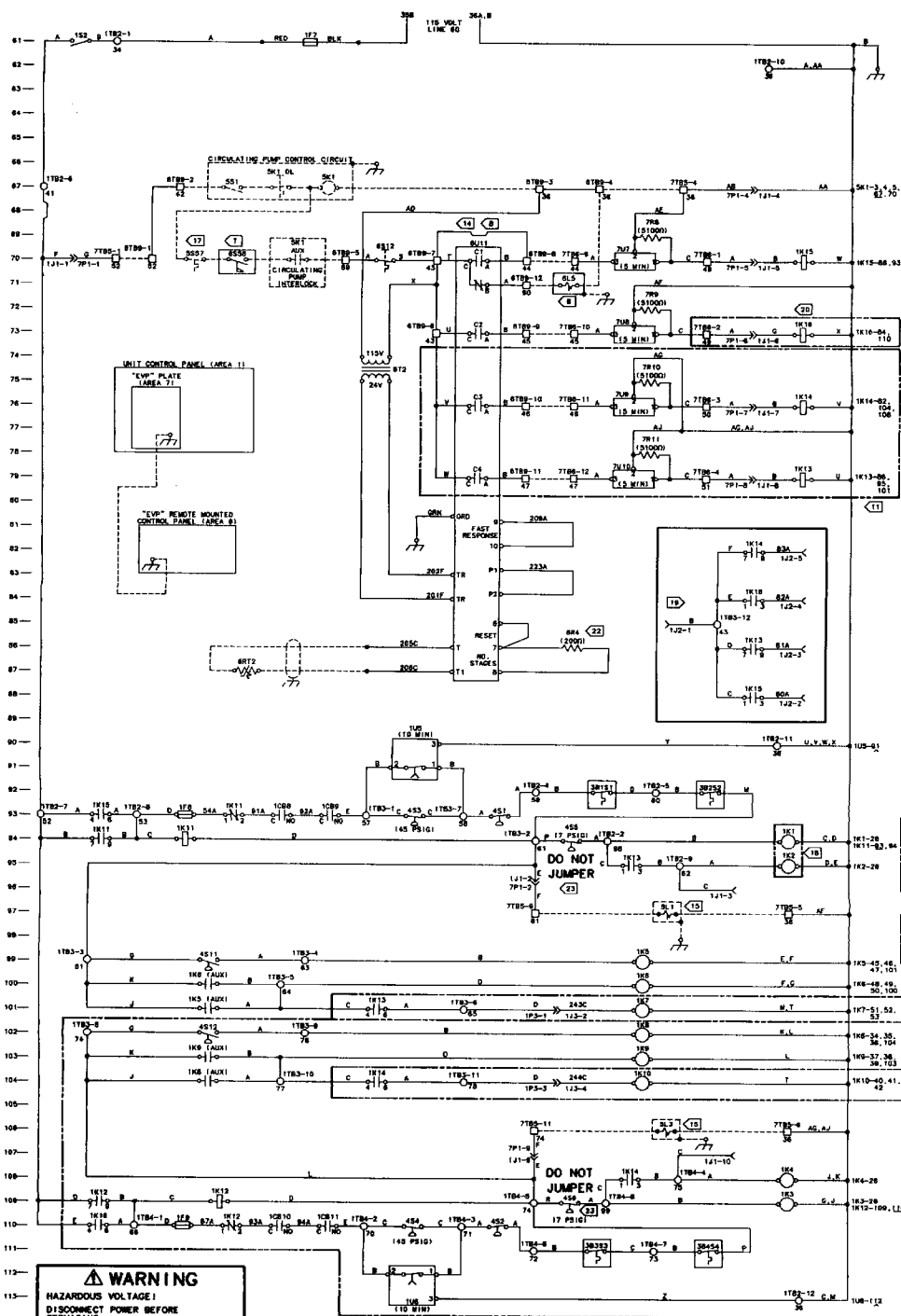
- NOTES:
- (1) USED ON 40, 50 AND 60 TON UNITS ONLY.
 - (2) USED ON 25, 30, 35 AND 40 TON UNITS ONLY.
 - (3) USED ON 50 AND 60 TON UNITS ONLY.
 - (4) INSTALL JUMPER (1782-7 & 1782-8 - LINE 70) WHEN
NOT GAS BYPASS OPTION "B" IS REQUIRED.
 - (5) OPTIONAL FIELD PROVIDED AND INSTALLED LINE 110 LINE
SOLENOID VALVE (SL1 AND SL3) FOR CHANGE T/EXHAUST.
 - (6) OUTSIDE AIR THERMOSTAT (6857 - LINE 70) IS REQUIRED
FOR LOW AMBIENT COMPRESSOR LOADOUT.
 - (7) CONNECTIONS AS SHOWN TO COMPRESSOR CONTACTOR COILS
ARE 1782-4, 1782-5, 1782-6, 1782-7, 1782-8, 1782-9, 1782-10, 1782-11, 1782-12, 1782-13, 1782-14, 1782-15, 1782-16, 1782-17, 1782-18, 1782-19, 1782-20, 1782-21, 1782-22, 1782-23, 1782-24, 1782-25, 1782-26, 1782-27, 1782-28, 1782-29, 1782-30, 1782-31, 1782-32, 1782-33, 1782-34, 1782-35, 1782-36, 1782-37, 1782-38, 1782-39, 1782-40, 1782-41, 1782-42, 1782-43, 1782-44, 1782-45, 1782-46, 1782-47, 1782-48, 1782-49, 1782-50, 1782-51, 1782-52, 1782-53, 1782-54, 1782-55, 1782-56, 1782-57, 1782-58, 1782-59, 1782-60, 1782-61, 1782-62, 1782-63, 1782-64, 1782-65, 1782-66, 1782-67, 1782-68, 1782-69, 1782-70, 1782-71, 1782-72, 1782-73, 1782-74, 1782-75, 1782-76, 1782-77, 1782-78, 1782-79, 1782-80, 1782-81, 1782-82, 1782-83, 1782-84, 1782-85, 1782-86, 1782-87, 1782-88, 1782-89, 1782-90, 1782-91, 1782-92, 1782-93, 1782-94, 1782-95, 1782-96, 1782-97, 1782-98, 1782-99, 1782-100.

- (18) JACK CONNECTIONS (1782-1) 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) THE FOLLOWING CAPACITANCES ARE OPTIONAL. THEY ARE
UNIMPLEMENTED AND WIRED AS REQUIRED FOR A SPECIFIC
APPLICATION.
- (22) NOT GAS BYPASS VALVE (SL5 - LINE 71)
- (23) FLOW SWITCH (6556 - LINE 70)
- (24) RESISTOR (684 - 2000) AS SHOWN IS FOR 20 THRU 30 TON
UNITS. RESISTOR IS 4000 ON 40 THRU 60 TON UNITS.
- (25) 550 & 558 ARE COMPRESSOR PROTECTION SWITCHES USED FOR
COMPRESSOR PROTECTION WHEN A LOW DIFFERENTIAL FLOW
SWITCH UNDER ANY CIRCUMSTANCE.

SCHEMATIC 2-01-3803

REVISIONS:

NO.	DATE	DESCRIPTION
1	10/1/78	ISSUED FOR CONSTRUCTION
2	10/1/78	REVISION 1
3	10/1/78	REVISION 2
4	10/1/78	REVISION 3
5	10/1/78	REVISION 4
6	10/1/78	REVISION 5
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DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
1782-101	COMPRESSOR CIRCUIT BREAKER	32
1782-102	CONDENSER FAN FUSE	40, 34-36
1782-103	CONTROL CIRCUIT FUSE	31
1782-104	COMPRESSOR FUSE	32, 170
1782-105	JACK CONNECTOR	81, 82
1782-106	COMPRESSOR CONTACTOR	81, 82
1782-107	CONDENSER FAN CONTACTOR	109, 108
1782-108	CONDENSER FAN CONTACTOR	89, 100, 101
1782-109	CONDENSER FAN CONTACTOR	102, 103, 104
1782-110	RESET RELAY	84, 108
1782-111	COOLING RELAY	79, 88, 78
1782-112	COOLING RELAY	78, 73
1782-113	PLUS CONNECTOR	11
1782-114	MANUAL DISCONNECT SWITCH	81
1782-115	CONTROL CIRCUIT SWITCH	81
1782-116	CONTROL POWER TRANSFORMER	58
1782-117	POWER TERMINAL BLOCK	11
1782-118	CONTROL TERMINAL BLOCK	90, 113
1782-119	LOW PRESSURE TIMER	90, 113
281-283	CONDENSER FAN MOTOR	48, 49, 52
284-286	CONDENSER FAN MOTOR	53, 54, 51
301-304	COMPRESSOR	30
3811, 3812	COMPRESSOR THERMOSTAT	82
3823, 3845	COMPRESSOR THERMOSTAT	111
451, 452	HIGH PRESSURE OUTPUT	85, 110
453, 454	LOW PRESSURE OUTPUT	83, 110
455, 456	COMPRESSOR PROTECTION SWITCH	84, 109
451, 452	FAN PRESSURE CONTROL	99, 102
581	CIRCULATING PUMP MOTOR	4
581, 583	CIRCULATING PUMP STARTER	83
581, 583	LIQUID LINE SOLENOID	87, 108
551	SYSTEM ON/OFF SWITCH	87
553	OUTSIDE AIR THERMOSTAT	70
610	NOT GAS BYPASS SOLENOID	71
684	STAGE RESISTOR	86
6872	CHILLER TEMP SENSOR	87
6512	FREEZE/STAY	70
6520	FLOW SWITCH	70
672	24V TRANSFORMER	74
6789	CONTROL TERMINAL BLOCK	70
6811	CHILLER CONTROLLER	70
791	PLUS CONNECTOR	11
798, 799	LOAD RESISTOR	89, 72
7910, 7911	LOAD RESISTOR	75, 78
7789, 7790	CONTROL TERMINAL BLOCK	70, 73
7912, 7913	COMPRESSOR FUSE	70, 73
7914, 7915	COMPRESSOR FUSE	70, 73

DEVICE PREFIX LOCATION CODE	LOCATION
1	CONTROL PANEL
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3	COMPRESSOR
4	EXTERNAL MOUNTED COMPONENTS
5	CUSTOMER OR FIELD PROVIDED
7	OPTIONAL CONTROL PLATE



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L'ENTRETIEN DES BRASURES CORPORELLES
SEVERES OU LA MORT.

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HAS BEEN COMPLETED

- NOTES:
- (1) USED ON 40, 50 AND 60 TON UNITS ONLY.
 - (2) USED ON 25, 30, 35 AND 40 TON UNITS ONLY.
 - (3) USED ON 50 AND 60 TON UNITS ONLY.
 - (4) INSTALL JUMPER (1782-7 & 1782-8 - LINE 70) WHEN
NOT GAS BYPASS OPTION "B" IS REQUIRED.
 - (5) OPTIONAL FIELD PROVIDED AND INSTALLED LINE 101 LINE
SOLENOID VALVE (SL1 AND SL2) FOR CHANGE T/EXHAUST.
 - (6) OUTSIDE AIR THERMOSTAT (6857 - LINE 70) IS REQUIRED
FOR LOW AMBIENT COMPRESSOR LOADOUT.
 - (7) CONNECTIONS AS SHOWN TO COMPRESSOR CONTACTOR COILS
ARE 1782-10, 1782-11, 1782-12, 1782-13, 1782-14, 1782-15, 1782-16, 1782-17, 1782-18, 1782-19, 1782-20, 1782-21, 1782-22, 1782-23, 1782-24, 1782-25, 1782-26, 1782-27, 1782-28, 1782-29, 1782-30, 1782-31, 1782-32, 1782-33, 1782-34, 1782-35, 1782-36, 1782-37, 1782-38, 1782-39, 1782-40, 1782-41, 1782-42, 1782-43, 1782-44, 1782-45, 1782-46, 1782-47, 1782-48, 1782-49, 1782-50, 1782-51, 1782-52, 1782-53, 1782-54, 1782-55, 1782-56, 1782-57, 1782-58, 1782-59, 1782-60, 1782-61, 1782-62, 1782-63, 1782-64, 1782-65, 1782-66, 1782-67, 1782-68, 1782-69, 1782-70, 1782-71, 1782-72, 1782-73, 1782-74, 1782-75, 1782-76, 1782-77, 1782-78, 1782-79, 1782-80, 1782-81, 1782-82, 1782-83, 1782-84, 1782-85, 1782-86, 1782-87, 1782-88, 1782-89, 1782-90, 1782-91, 1782-92, 1782-93, 1782-94, 1782-95, 1782-96, 1782-97, 1782-98, 1782-99, 1782-100.

- (18) JACK CONNECTIONS (1782-1) 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) THE FOLLOWING CAPACITANCES ARE OPTIONAL. THEY ARE
UNLabeled AND WIRED AS REQUIRED FOR A SPECIFIC
APPLICATION.
- (22) NOT GAS BYPASS VALVE (SL1 - LINE 71)
- (23) FLOW SWITCH (6556 - LINE 70)
- (24) RESISTOR (684 - 2000) AS SHOWN IS FOR 20 THRU 30 TON
UNITS. RESISTOR IS 4000 ON 40 THRU 60 TON UNITS.
- (25) 550 & 450 HRS COMPRESSOR PROTECTION SWITCHES USED FOR
COMPRESSOR PROTECTION WHEN A LOW DIFFERENTIAL FLOW
SWITCH UNDER ANY CIRCUMSTANCE.

SCHEMATIC 2-01-3803

REVISIONS:

NO.	DATE	DESCRIPTION
1	10/1/78	ISSUED FOR CONSTRUCTION
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167	10/1/78	REVISION 16