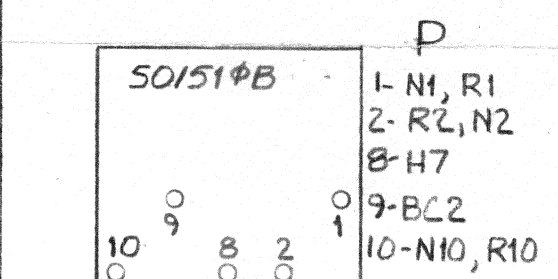
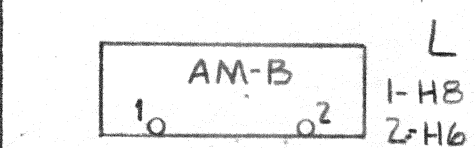
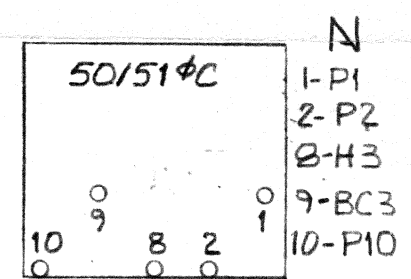
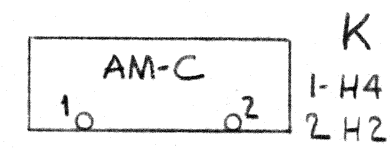
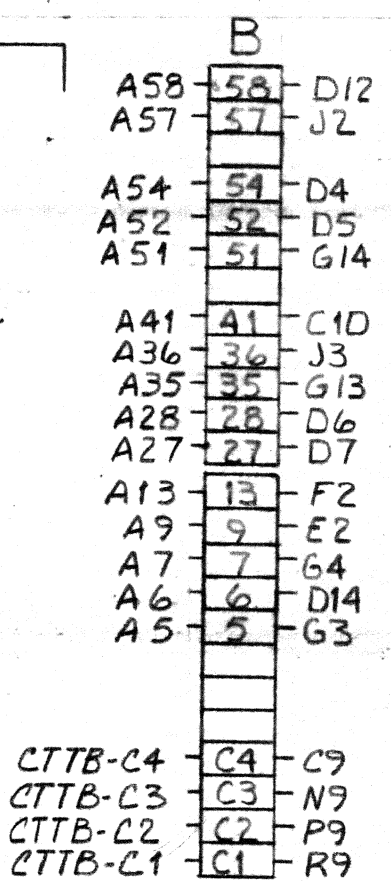
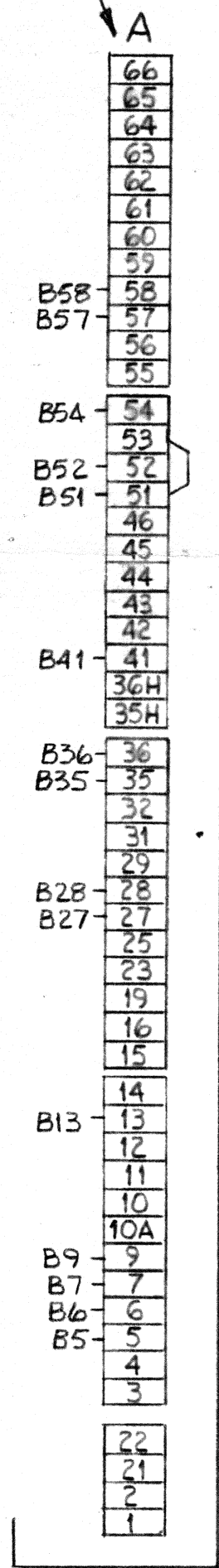
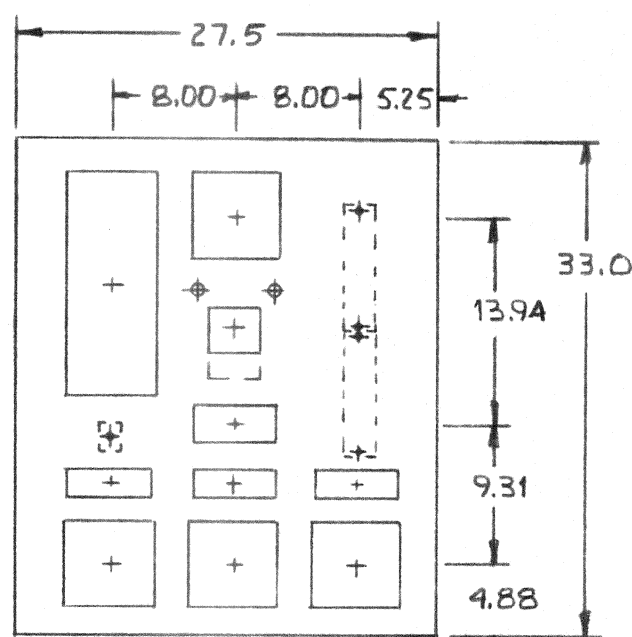


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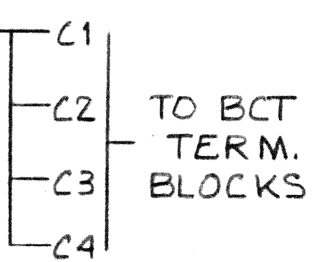
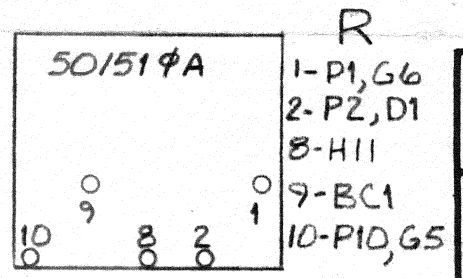
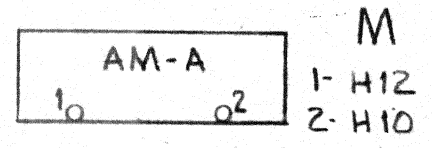
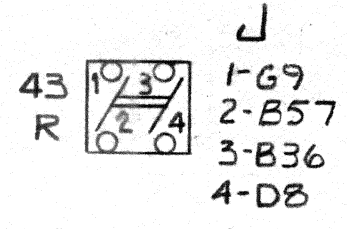
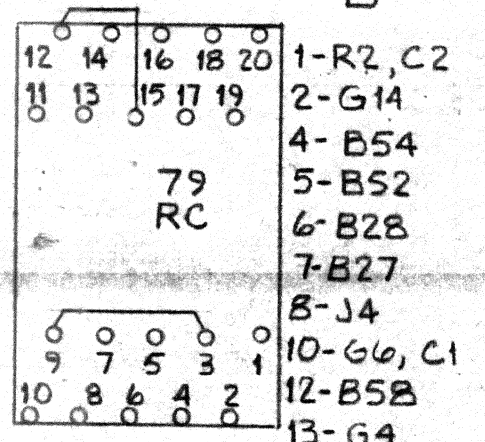
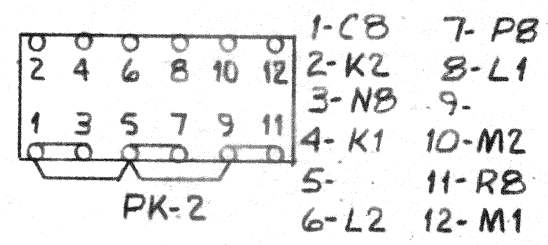
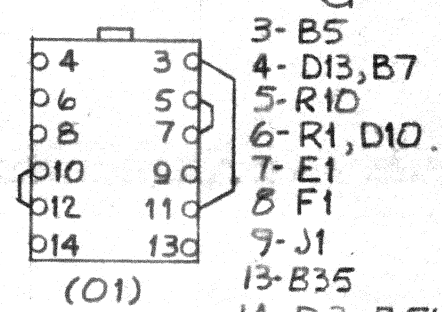
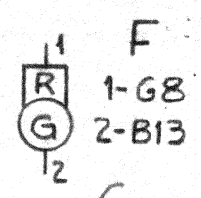
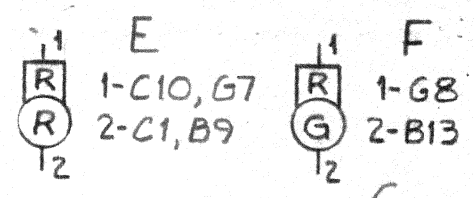
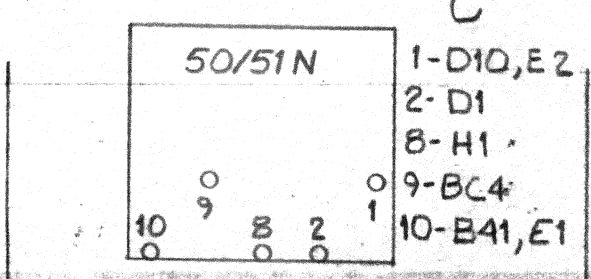
TERM. BLKS  
LOC. IN  
CONTROL  
COMP.



RELAY PANEL REAR VIEW



RELAY PANEL FRONT VIEW



DIMENSIONS  
FOR  
REFERENCE  
ONLY

SDV	42028-10
TYPE	USED ON

—CONFIDENTIAL— PROPERTY OF  
**Siemens - Allis, Inc.**  
POWER BREAKER DIVISION

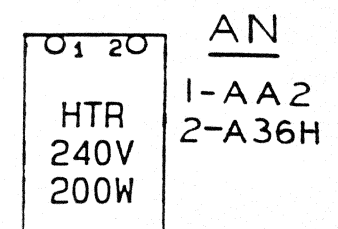
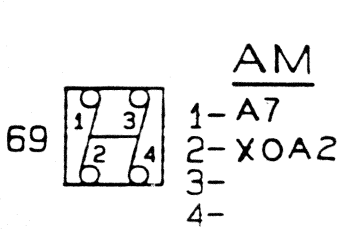
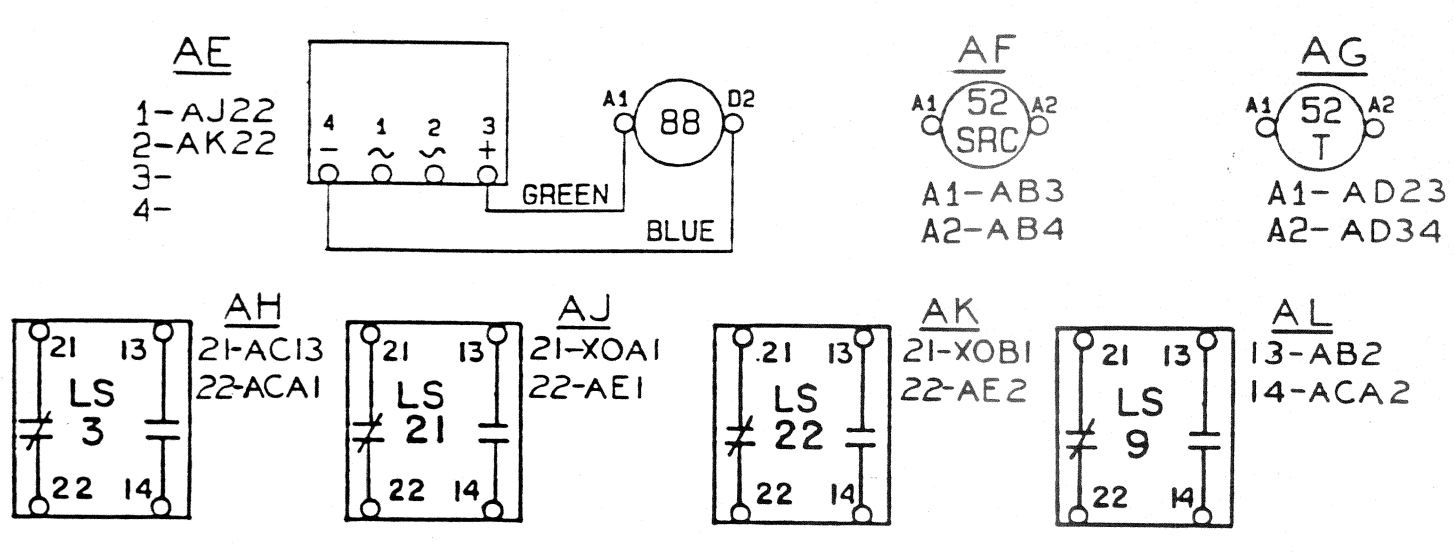
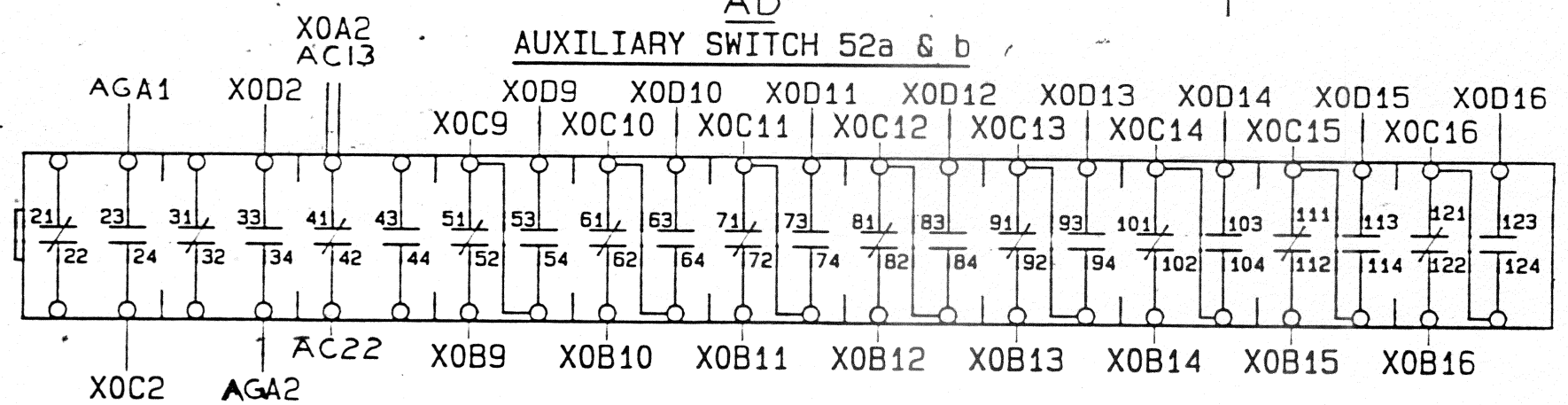
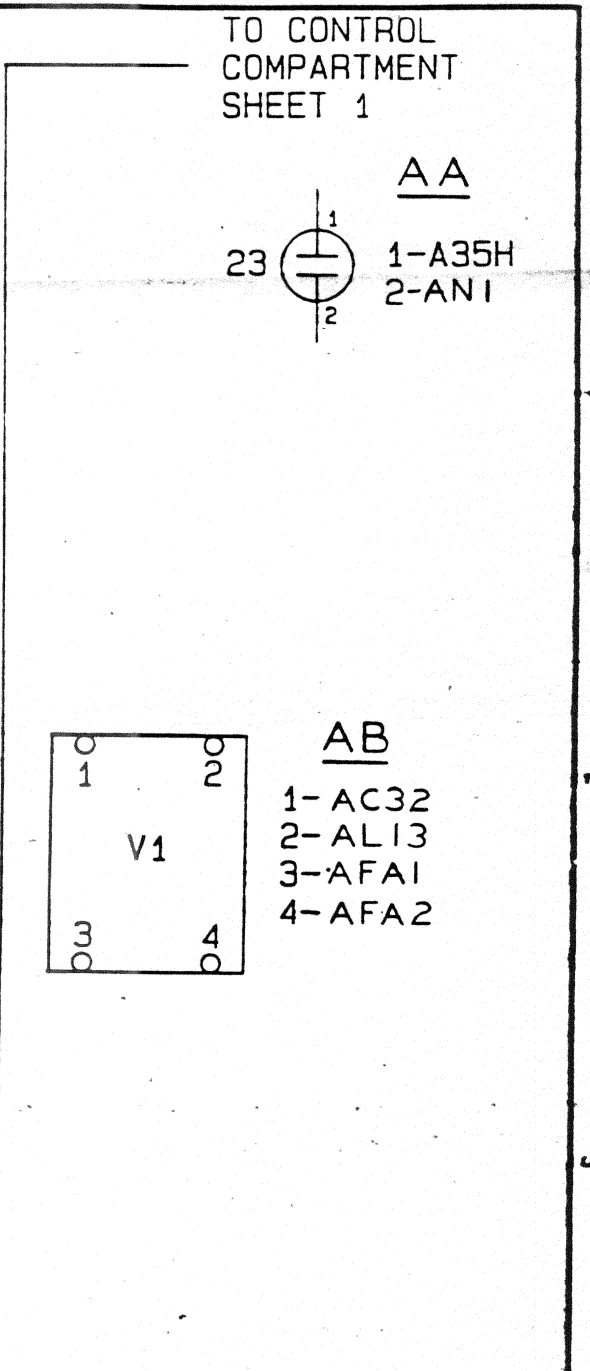
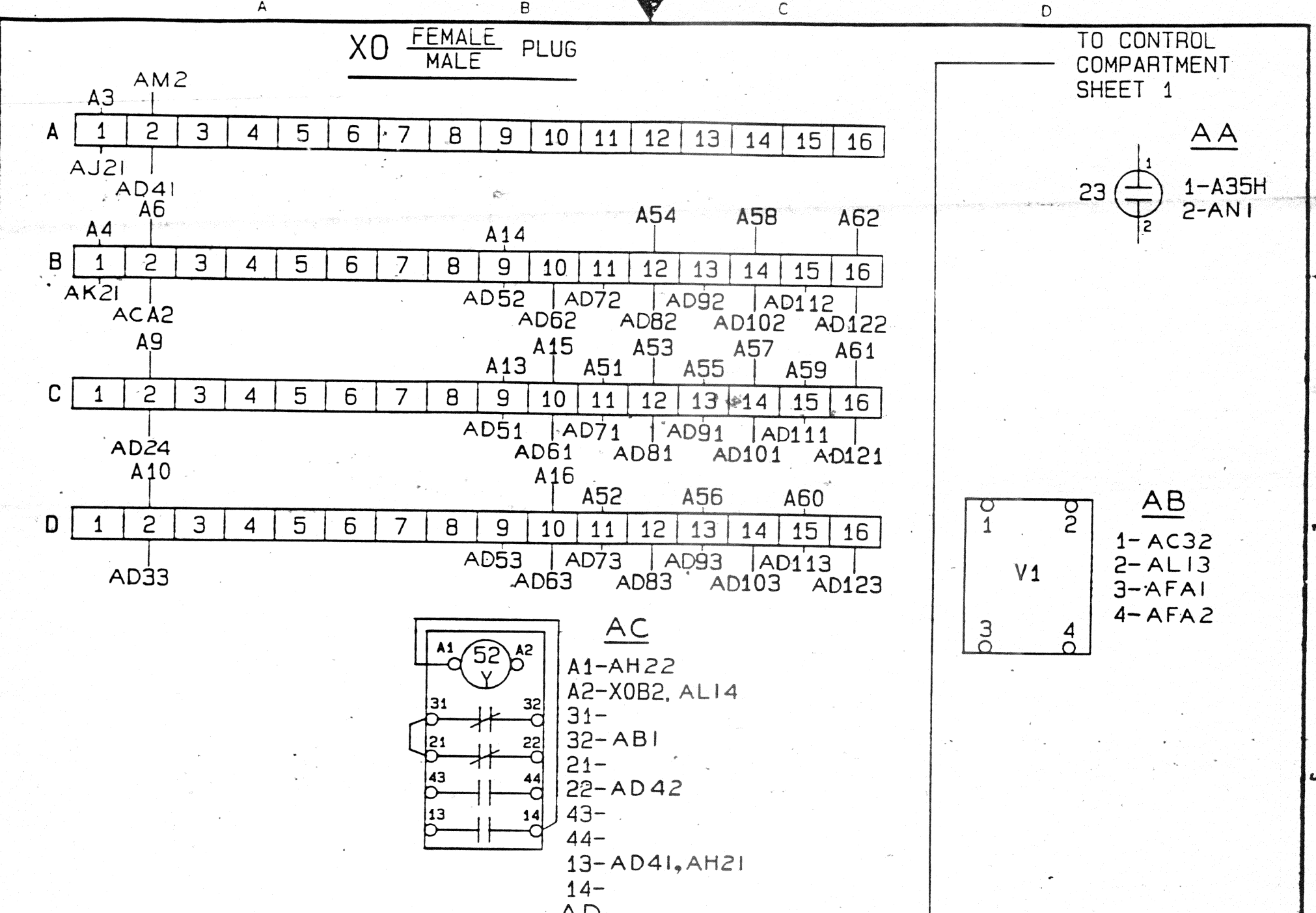
**RELAY PANEL DIAGRAM**

ENGINEERING SPECIFICATION

DRAWN JF	DATE 10-18-85	CHECKED CST	DATE 10-18-85
APPROVED [Signature]	DATE 11-18-85	SCALE ~ = 1	
DRAWING NO. <b>72-250-452-412</b>		SHEET NO. 1 OF 1	

ISSUE  
01

72-250-452-412 01



**OPERATOR COMPARTMENT**

SDV	1-42028-10
TYPE	USED ON

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**Siemens-Allis, Inc.**  
POWER BREAKER DIVISION

ENGINEERING SPECIFICATION			
DRAWN	DATE	CHECKED	DATE
M.F.	11-2-85	M.F.	11-2-85
APPROVED	DATE	SCALE	= 1
DRAWING NO.		SHEET NO. 2 OF 2	

**CONNECTION DIAGRAM**

**72-250-451-418**

ISSUE 01

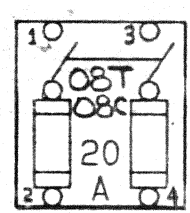
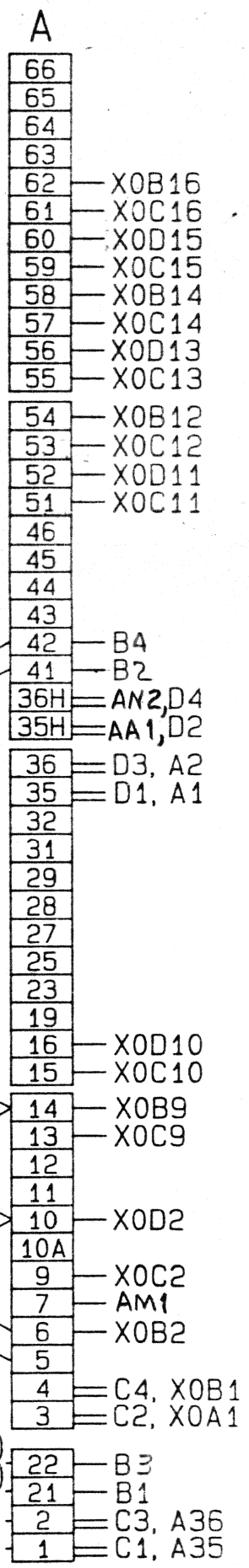
72-250-451-418 01

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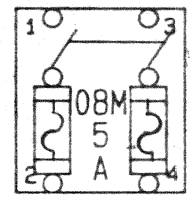
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C

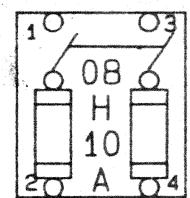
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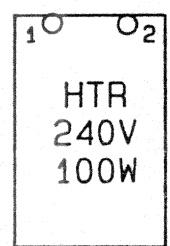
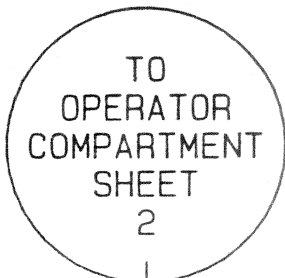
- B**
- 1-A21
  - 2-A41
  - 3-A22
  - 4-A42



- C**
- 1-A1
  - 2-A3
  - 3-A2
  - 4-A4



- D**
- 1-A35
  - 2-A35H, E1
  - 3-A36
  - 4-A36H, E2



- E**
- 1-D2
  - 2-D4

**CONTROL COMPARTMENT**

SDV	42028-10
TYPE	USED ON

**-CONFIDENTIAL- PROPERTY OF Siemens-Allis, Inc.**  
 POWER COMPONENTS DIVISION

<b>ENGINEERING SPECIFICATION</b>			
DRAWN JF	DATE 10-16-85	CHECKED CJZ	DATE 10-18-85
APPROVED Dfa	DATE 10-16-85	SCALE = 1	SHEET NO. 1 OF 2
DRAWING NO. <b>72-250-451-418</b>			ISSUE 01

**CONNECTION DIAGRAM**

**72-250-451-418 01**

NOV 21 1985

20 104-162-052-2L

DESCRIPTION OF DEVICE NUMBERS

01	CONTROL SWITCH
08H	HEATER POWER DISCONNECT DEVICE
08M	MOTOR POWER DISCONNECT DEVICE
08C	CLOSE POWER DISCONNECT DEVICE
08T	TRIP POWER DISCONNECT DEVICE
23	THERMOSTAT
27	UNDERVOLTAGE RELAY
43	TRANSFER DEVICE
50	A.C. OVERCURRENT RELAY INST. ELEMENT
51	A.C. OVERCURRENT RELAY TIME ELEMENT
52	VACUUM CIRCUIT BREAKER
52a	AUX. SWITCH, OPEN WHEN BREAKER IS OPEN
52b	AUX. SWITCH, CLOSED WHEN BREAKER IS OPEN
52 SRC	CLOSING SPRING RELEASE COIL
52T	TRIP COIL
52Y	ANTI PUMP RELAY (SEE NOTE 3)
67	DIRECTIONAL OVERCURRENT RELAY
69	CLOSING CUTOFF SWITCH (SEE NOTE 4)
79	RE-CLOSING RELAY
88	MOTOR FOR CHARGING SPRINGS
64	GROUND PROTECTIVE RELAY
47	PHASE-SEQUENCE VOLTAGE RELAY
86	LOCKING-OUT RELAY
LS9	CLOSING SPRING POSITION CHECK SWITCH OPEN WITH SPRING DISCHARGED
LS8	MANUAL TRIP, CLOSING LOCK-OUT OPEN WITH MANUAL TRIP DEPRESSED
VI. 4, 2	BRIDGE RECTIFIER
LS21, 22&3	SWITCH CLOSED WHEN CLOSE SPRING IS DISCHARGED

NOTES

1. ALL EQUIPMENT ON DIAGRAMS IS SHOWN WITH CIRCUIT BREAKER OPEN AND RELAYS DE-ENERGIZED, AND SPRINGS DISCHARGED.
2. MATERIAL TO BE FURNISHED BY SIEMENS-ALLIS WILL BE AS SPECIFIED ON ORDER OR CONTRACT AND DOES NOT NECESSARILY INCLUDE ALL DEVICES SHOWN ON ATTACHED PRINTS WHICH WERE INCLUDED TO MAKE THE DIAGRAMS COMPLETE.
3. RELAY (52Y) IS AN ELECTRICALLY OPERATED ANTI PUMP RELAY CLOSING CUTOFF SWITCH (69) IS OPERATED BY THE EXTERNAL TRIP ROD AND IS MANUALLY RESET.
- 4.

SYMBOLS

	COIL OR LAMP AS MARKED
	CONTACT, NORMALLY OPEN
	CONTACT, NORMALLY CLOSED
	KNIFE SWITCH
	TOGGLE SWITCH
	AIR CIRCUIT BREAKER
	TERMINAL
	RESISTOR
	FUSE
	FUSE PULLER SWITCH
	RECTIFIER
	CAPACITOR
	VARISTOR
	PLUG

NOTES & SYMBOLS

SDV	USED ON
TYPE	

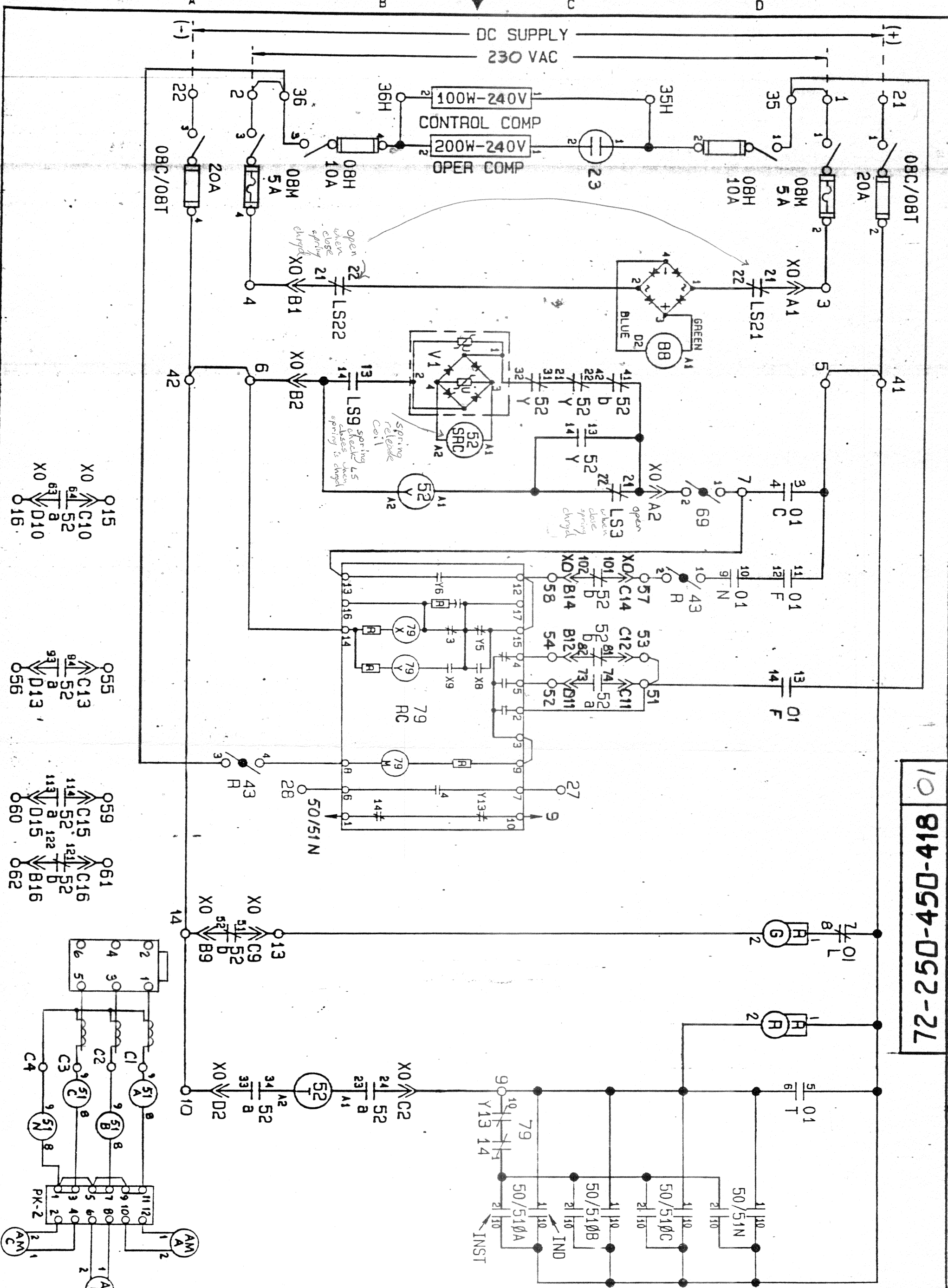
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DRAWN JOP	DATE 1-17-83	CHECKED JOP	DATE 1-17-83
APPROVED BED	DATE 1-17-83	SCALE N=1	SHEET NO. 1 OF 1
DRAWING NO. 72-250-291-401			ISSUE 02

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POWER BREAKER DIVISION

**NOTES & SYMBOLS**

01	REVISIONS
1	ADDED 50
62	84-25-85

APR 26 1985 FEB 21 1983



10 814-054-052-22

SDV 42028-10  
TYPE USED ON

ENGINEERING SPECIFICATION	
DATE 10-16-85	DATE 10-18-85
APPROVED [Signature]	SCALE - 1
DATE 11-18-85	SHEET NO. 1 OF 1
ISSUE 01	
72-250-450-418	

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POWER BREAKER DIVISION  
ELEMENTARY  
DIAGRAM

01 W811/20/85

10/18/85