CS/C – BKR. CONTROL SWITCH – CLOSE

CS/T – BKR. CONTROL SWITCH – TRIP

Y – ANTI PUMP RELAY

SR – SPRING RELEASE COIL (CLOSE COIL)

M – SPRING CHARGING MOTOR

ST – SHUNT TRIP COIL

PR – PROTECTIVE RELAY

V/V – SECONDARY DISCONNECT

OPERATION		SWITCH TERMINAL	
LS1/bb	CLOSED UNTIL SPRINGS ARE FULLY CHARGED	'C' AND 'NO'	BROWN
LS2/aa	OPEN UNTIL SPRINGS ARE FULLY CHARGED	'C' AND 'NC'	BLACK
LS2/bb	CLOSED UNTIL SPRINGS ARE FULLY CHARGED	'C' AND 'NO'	BLACK
LC	OPEN UNTIL MECHANISM IS RESET	'C' AND 'NO'	
PS1	OPEN IN ALL EXCEPT BETWEEN 'TEST' AND 'CONNECTED' POSITIONS	'C' AND 'NC'	
PS2	CLOSED IN ALL EXCEPT BETWEEN 'TEST' AND 'CONNECTED' POSITIONS	'C' AND 'NO'	

691C386H43
FIG. 43
691C386

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CUTLER-HAMMER
TECHNOLOGY AND QUALITY CENTER, MILWAUKEE, WI.
TYPE VCP-W CIRCUIT BREAKER
SCHEMES AND INTERNAL DIAGRAMS

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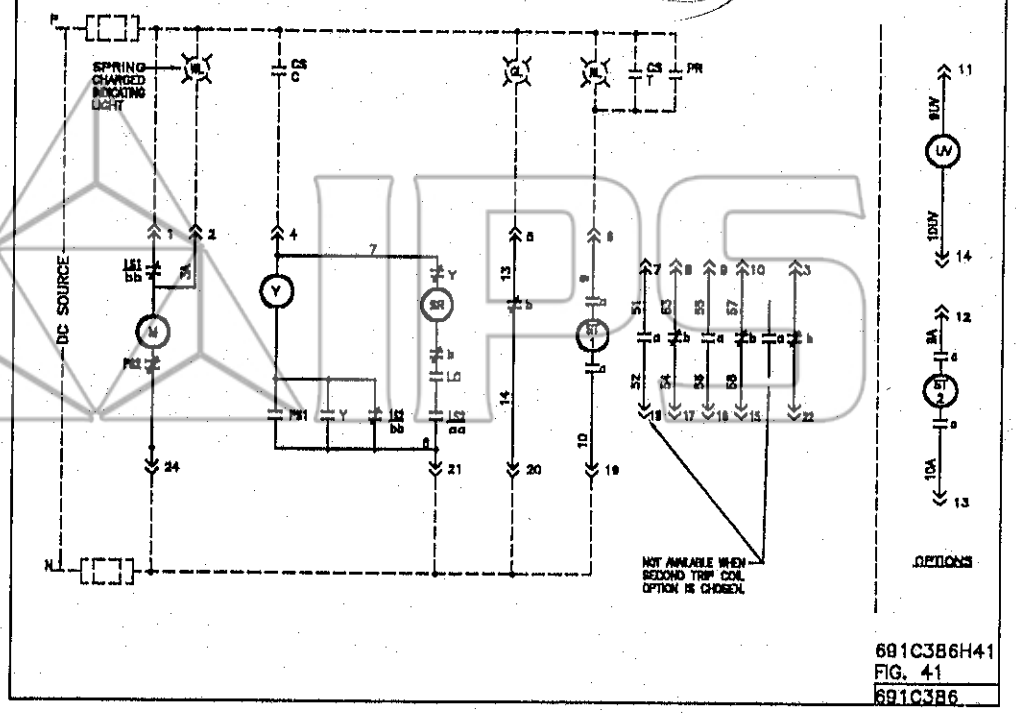
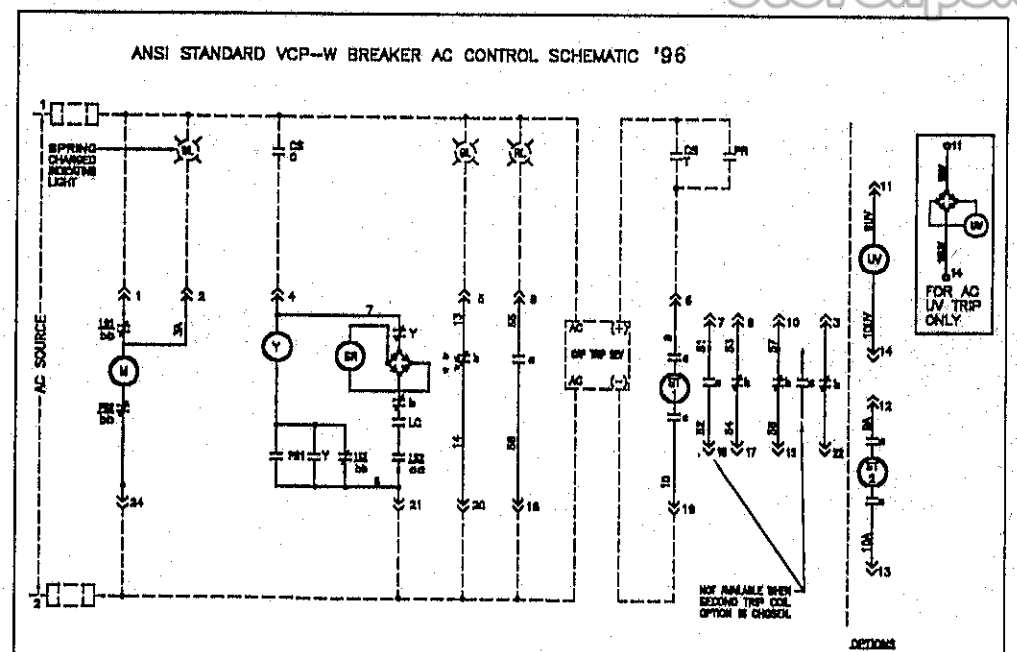
IT.	REVISION	
		1
	RN-SB-4344 CHANGES PER 691C386 TO CORRESPOND WITH WIRING '96' CHANGES. FORMAT WAS WESTINGHOUSE. D.PALMIERI 4-3-96 N.PATEL D.GRESS	3

ANSI STANDARD VCP-W BREAKER DC CONTROL SCHEMATIC '96



691C386H41
FIG. 41
691C386

ANSI STANDARD VCP-W BREAKER AC CONTROL SCHEMATIC '96



691C386H42
FIG. 42
691C386

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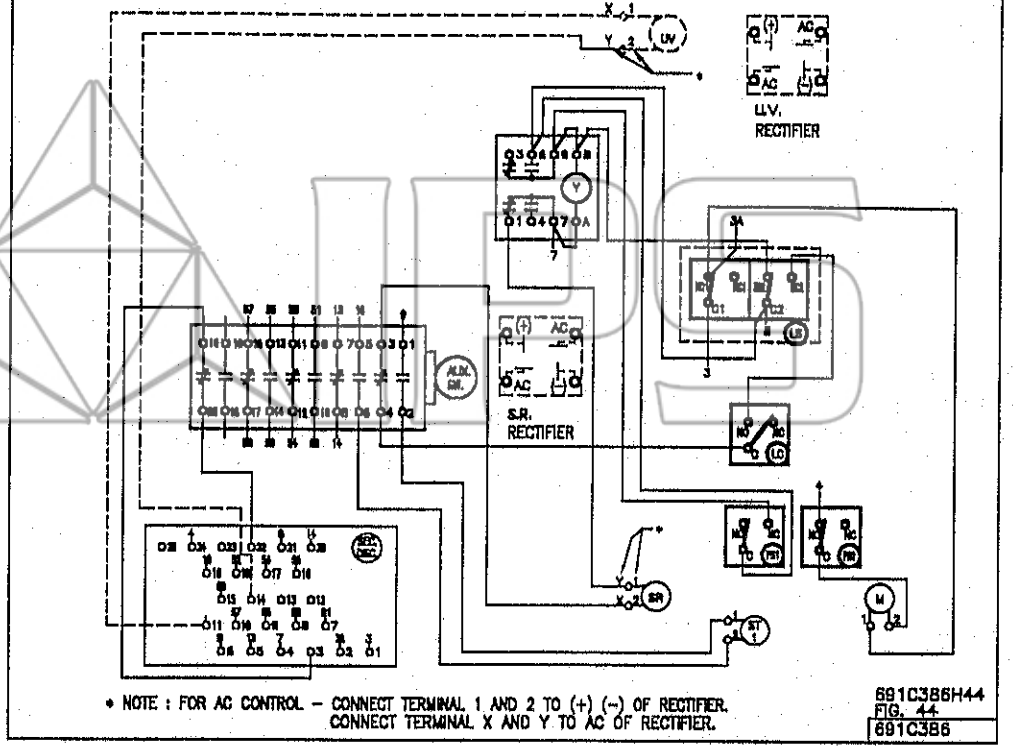
VCP-W BREAKER AC AND DC STANDARD INTERNAL DIAGRAM AND UV '96



* NOTE : FOR AC CONTROL – CONNECT TERMINAL 1 AND 2 TO (+) (–) OF RECTIFIER.
CONNECT TERMINAL X AND Y TO AC OF RECTIFIER.

691C386H44
FIG. 44
691C386

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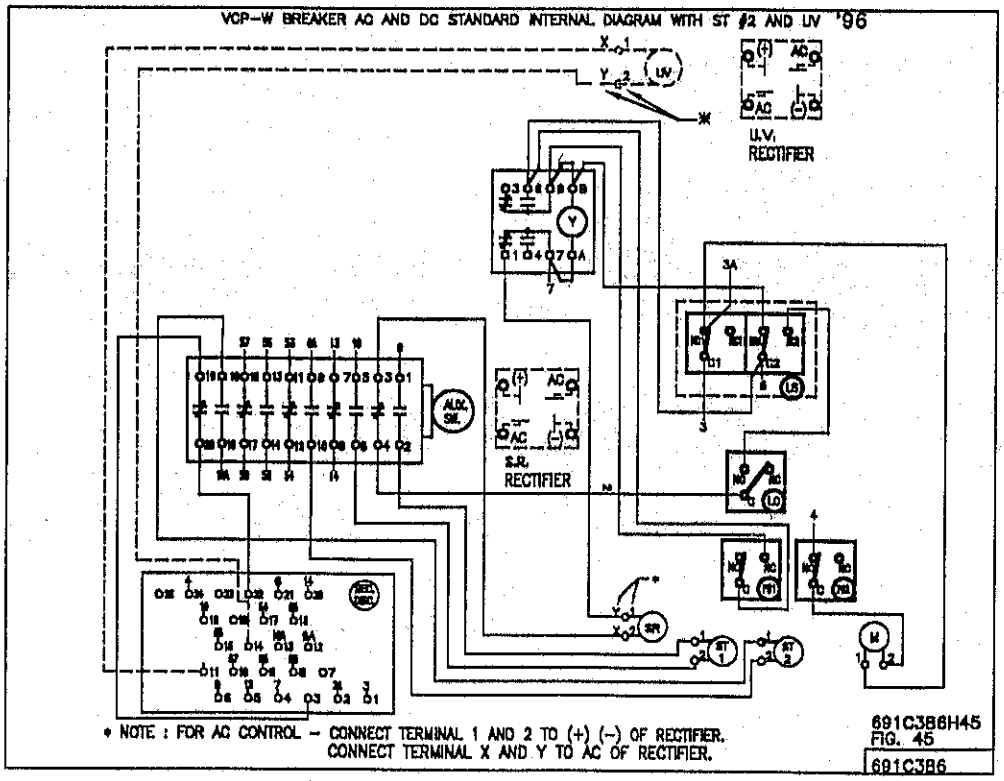
VCP-W BREAKER AC AND DC STANDARD INTERNAL DIAGRAM WITH ST #2 AND UV '96



* NOTE : FOR AC CONTROL – CONNECT TERMINAL 1 AND 2 TO (+) (–) OF RECTIFIER.
CONNECT TERMINAL X AND Y TO AC OF RECTIFIER.

691C386H45
FIG. 45
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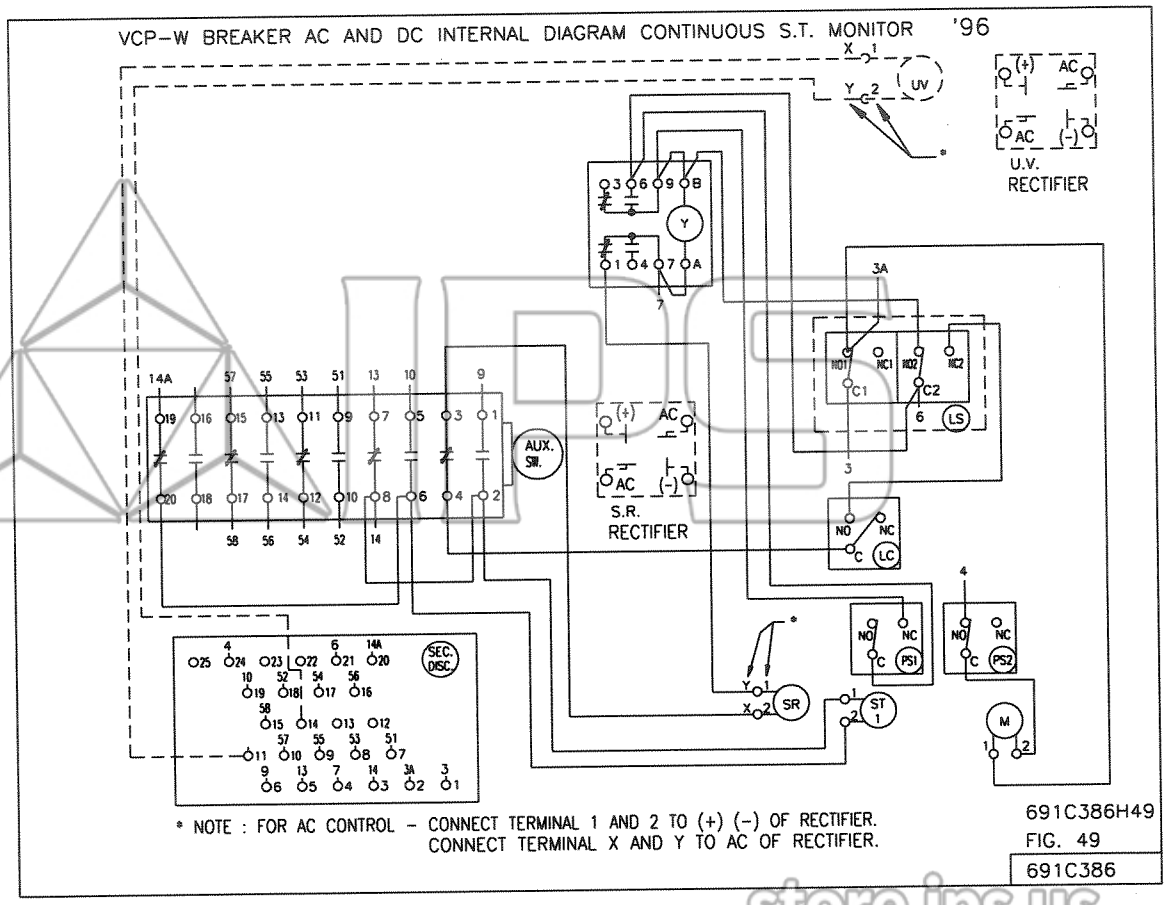

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UNLESS OTHERWISE SPECIFIED
DIMENSIONS IN INCHES
TWO PLACE DEC. ±.02
THREE PLACE DEC ±.010
ANGLES ±0.5
ONE PLACE MIN ±0.5
TWO PLACE MIN ±0.25
VOLTAGE ±10%
AMPERAGE ±10%
TORQUE ±10%
SPEED ±10%
TIME ±10%
TEMPERATURE ±2°C ±3°F
STATISTICAL SAMPLING DIMENSION [0]

DFTR. D.PALMIERI DATE
APPD. N.PAIELL DATE
D.GRESS DATE
ENG. REF. 691C581
NEXT ASSY.
TOOL REF.
DSPEC.

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CUTLER-HAMMER
TECHNOLOGY AND QUALITY CENTER PITTSBURGH,PA.
TYPE VCP-W CIRCUIT BREAKER
SCHEMES AND INTERNAL DIAGRAMS

SIZE C
CAD DIRECTORY MANAGED BY AMW
DWG. NO. 691C386
SCALE
PARTS LIST 691C386
PRODUCT CODE WDBKR
SHEET NO. 16 OF 21

DWG. NO. 691C386 | SHEET 16 | REV. 20

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