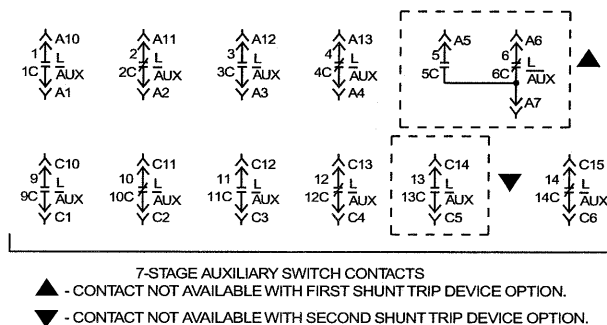
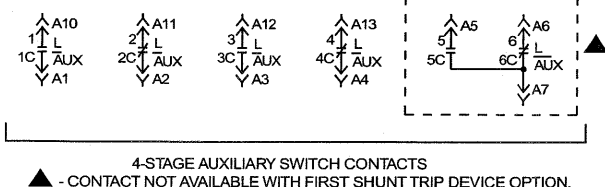
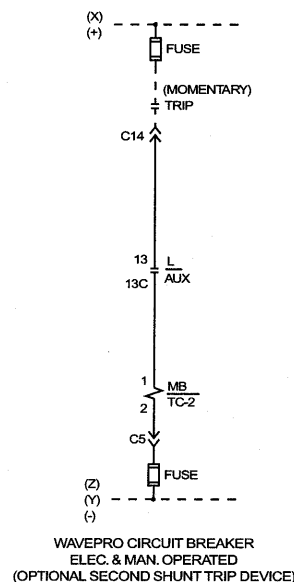
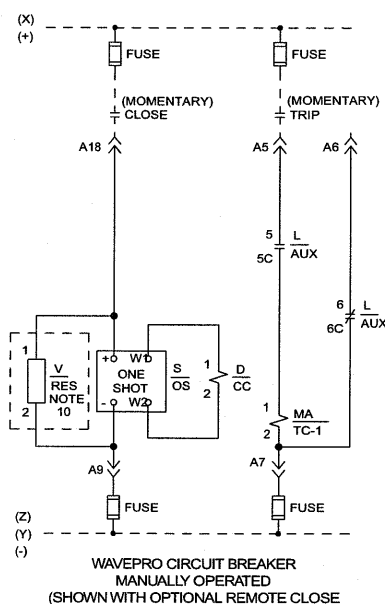
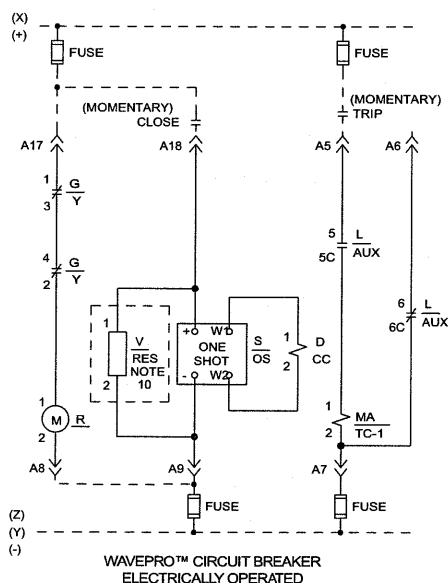




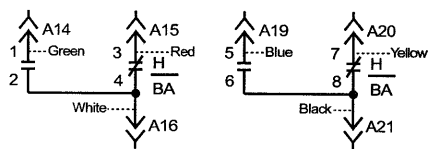
WavePro™ Breaker Wiring Diagram

NOTES:

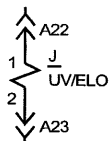
- (1) BREAKER SHOWN IN THE OPEN POSITION WITH THE CLOSING SPRINGS DISCHARGED, BELL ALARM RESET.
- (2) THIS DRAWING SHOWS ELECTRICAL CONNECTIONS ONLY. THE EXACT LOCATION OF COMPONENTS CANNOT BE DETERMINED FROM THIS DRAWING.
- (3) THIS DRAWING DEPICTS STANDARD WIRING DIAGRAM ONLY.
- (4) DEFINITIONS: E/O-ELECTRICALLY OPERATED CIRCUIT BREAKER; M/O-MANUALLY OPERATED CIRCUIT BREAKER.
- (5) M/O BKRS WITH REMOTE CLOSE OPTION (WITH ONE SHUNT TRIP DEVICE) AND ALL E/O (WITH ONE SHUNT TRIP DEVICE ONLY) REQUIRE A 4-STAGE (MINIMUM) AUXILIARY SWITCH.
- (6) TWO SHUNT TRIP DEVICES REQUIRE A 7-STAGE AUXILIARY SWITCH.
- (7) A SECOND SHUNT DEVICE IS NOT AVAILABLE FOR WPS/WPX-50 TYPE BREAKERS.
- (8) THE FOLLOWING DEVICES ARE NOT APPLICABLE ON BKRS SUPPLIED WITH A POWER+™ TRIP UNIT; T/(COMM), T/(ZSI), T/(VC), AND T/(CP).
- (9) THE FOLLOWING DEVICES ARE NOT APPLICABLE ON BKRS SUPPLIED WITH A MICROVERSATRIP PLUS™ TRIP UNIT; T/(COMM), AND T/(VC).
- (10) RESISTOR PROVIDED FOR AC CLOSE ONLY 1KOHM/25WATT FOR 120VAC, 4KOHM/25WATT FOR 240VAC.



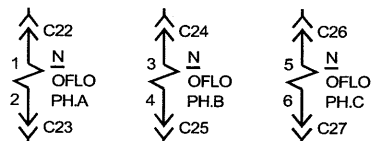
WavePro™ Breaker Wiring Diagram (cont.)



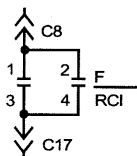
BELL ALARM CONTACTS
(SHOWN WITH OR WITHOUT
LOCKOUT OPTION)



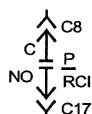
UNDERVOLTAGE OR
ELECTRIC LOCKOUT



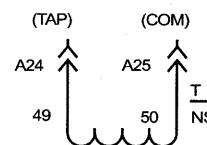
OPEN FUSE LOCKOUT
(WPS-20, WPS-32, WPS-40,
& WPS-50 FRAMES ONLY)



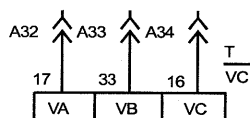
REMOTE CHARGE
INDICATOR
(WPS/H/X-32, WPS/X-40, WPS/X-50)



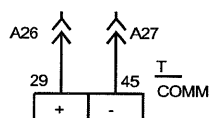
REMOTE CHARGE
INDICATOR
(WPS/H/X-F-08, WPS/H/F-16,
WPS-20)



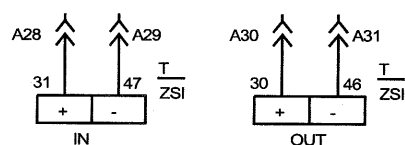
TRIP UNIT
NEUTRAL SENSOR
INPUT



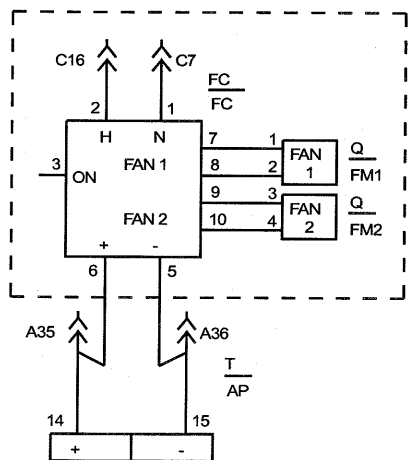
TRIP UNIT
VOLTAGE CONDITIONER
INPUT
(MVT PM & "PM READY" ONLY)



TRIP UNIT
COMMUNICATION
INPUT
(MVT PM & "PM READY" ONLY)



TRIP UNIT
ZONE SELECTIVE
INTERLOCKING INPUT/OUTPUT
(MVT PLUS & PM & "PM READY" ONLY)



TRIP UNIT
24VDC AUXILIARY
POWER INPUT
(MVT PM & "PM READY" ONLY)
(OPTIONAL FOR MVT PLUS)

FANS & FAN CONTROL
(WPS/X-50 BKRS ONLY)

DRAWING NO. 10057403P1

THIS DRAWING SHOWS ALL AVAILABLE BREAKER ACCESSORIES. REFER TO BREAKER CATALOG NUMBER FOR ACCESSORIES INCLUDED WITH THE BREAKER.

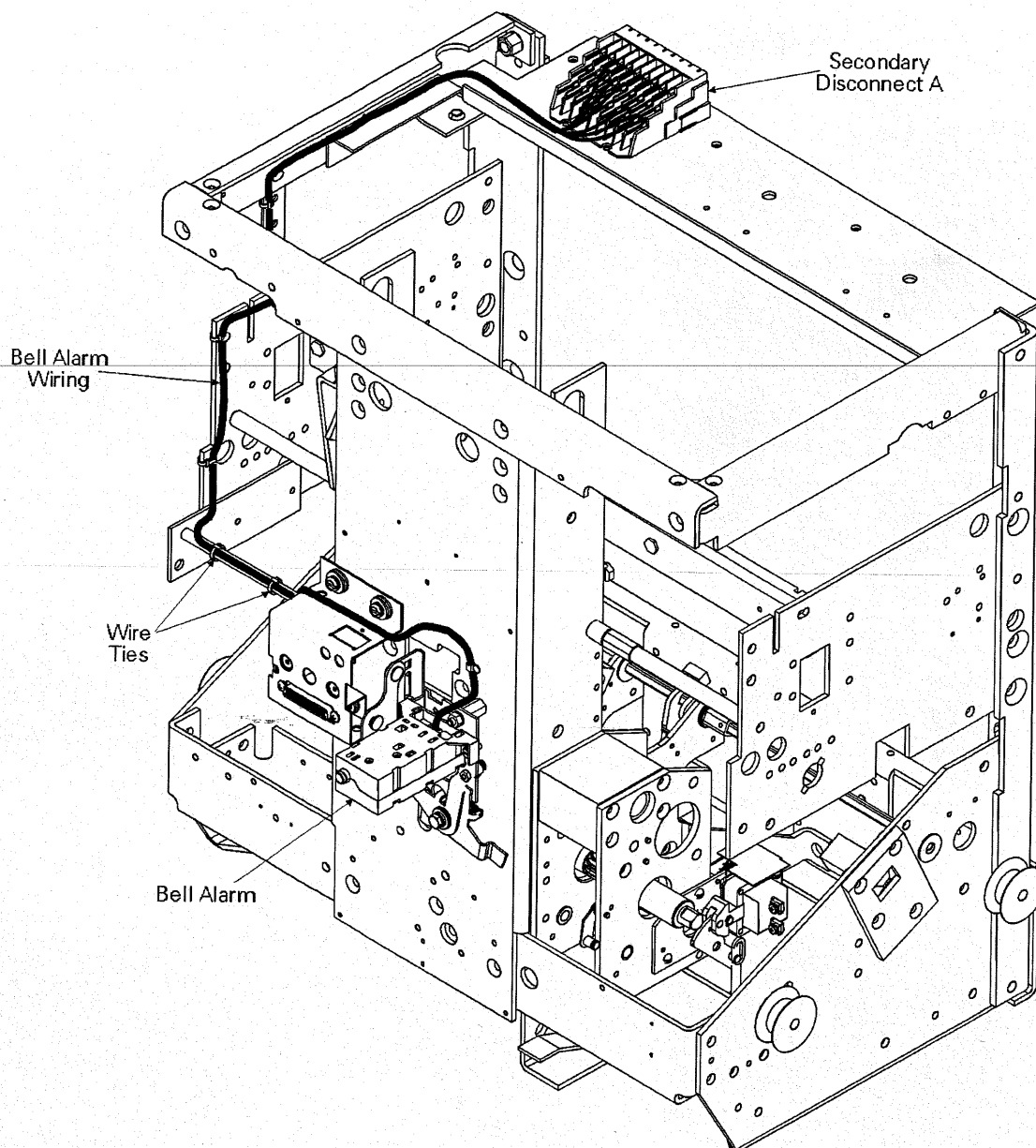


Figure 5. Path for routing wires from the Bell Alarm to the secondary disconnect.

Connection	Wire Color	Sec. Disc. Terminal #
Switch 1 NO	green	A14
Switch 1 NC	red	A15
Switch 1 COM	white	A16
Switch 2 NO	blue	A19
Switch 2 NC	yellow	A20
Switch 2 COM	black	A21

Table 2. Bell Alarm wires and corresponding secondary disconnect terminals.

9	8	7	6	5	4	3	2	1
18	17	16	15	14	13	12	11	10
27	26	25	24	23	22	21	20	19
36	35	34	33	32	31	30	29	28

Figure 6. Terminal numbering scheme of secondary disconnects, as seen from the front of the breaker.

9	8	7	6	5	4	3	2	1
18	17	16	15	14	13	12	11	10
27	26	25	24	23	22	21	20	19
36	35	34	33	32	31	30	29	28

Figure 5. Secondary disconnect terminal numbering.

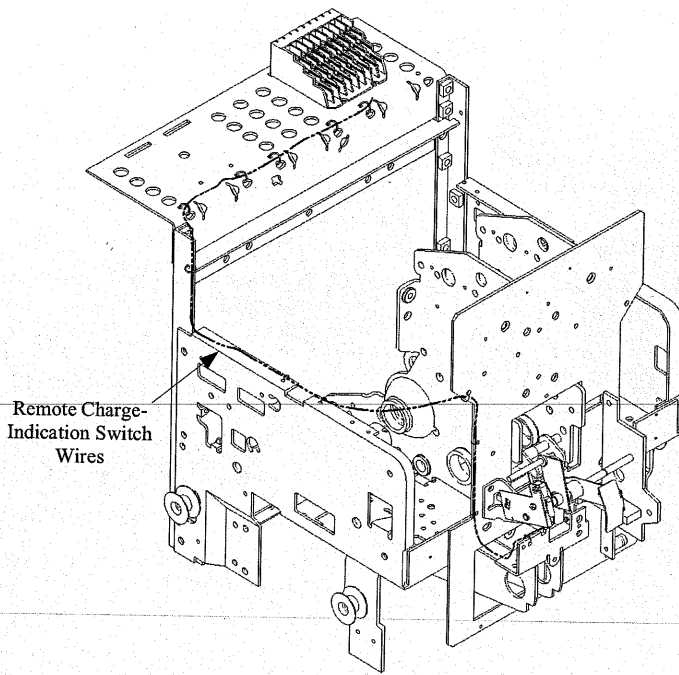


Figure 6. Recommended wire routing from the remote charge-indication switch to secondary disconnect block C.

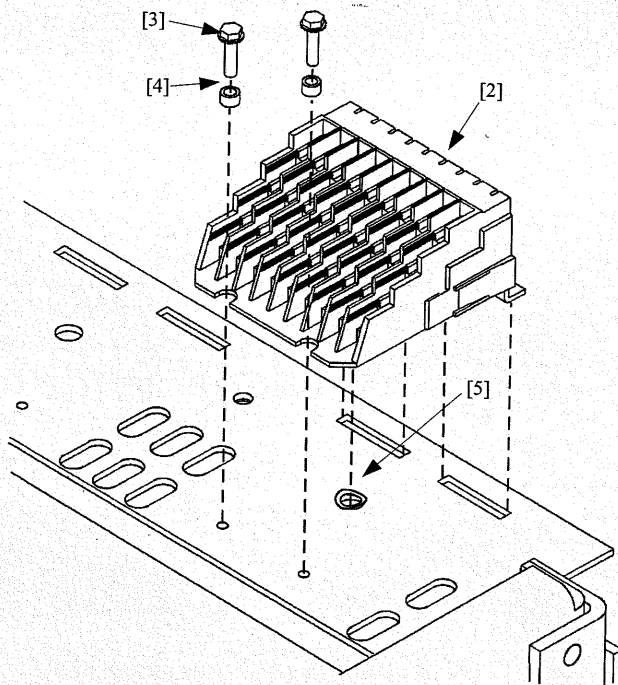


Figure 7. Installing the secondary disconnect.