

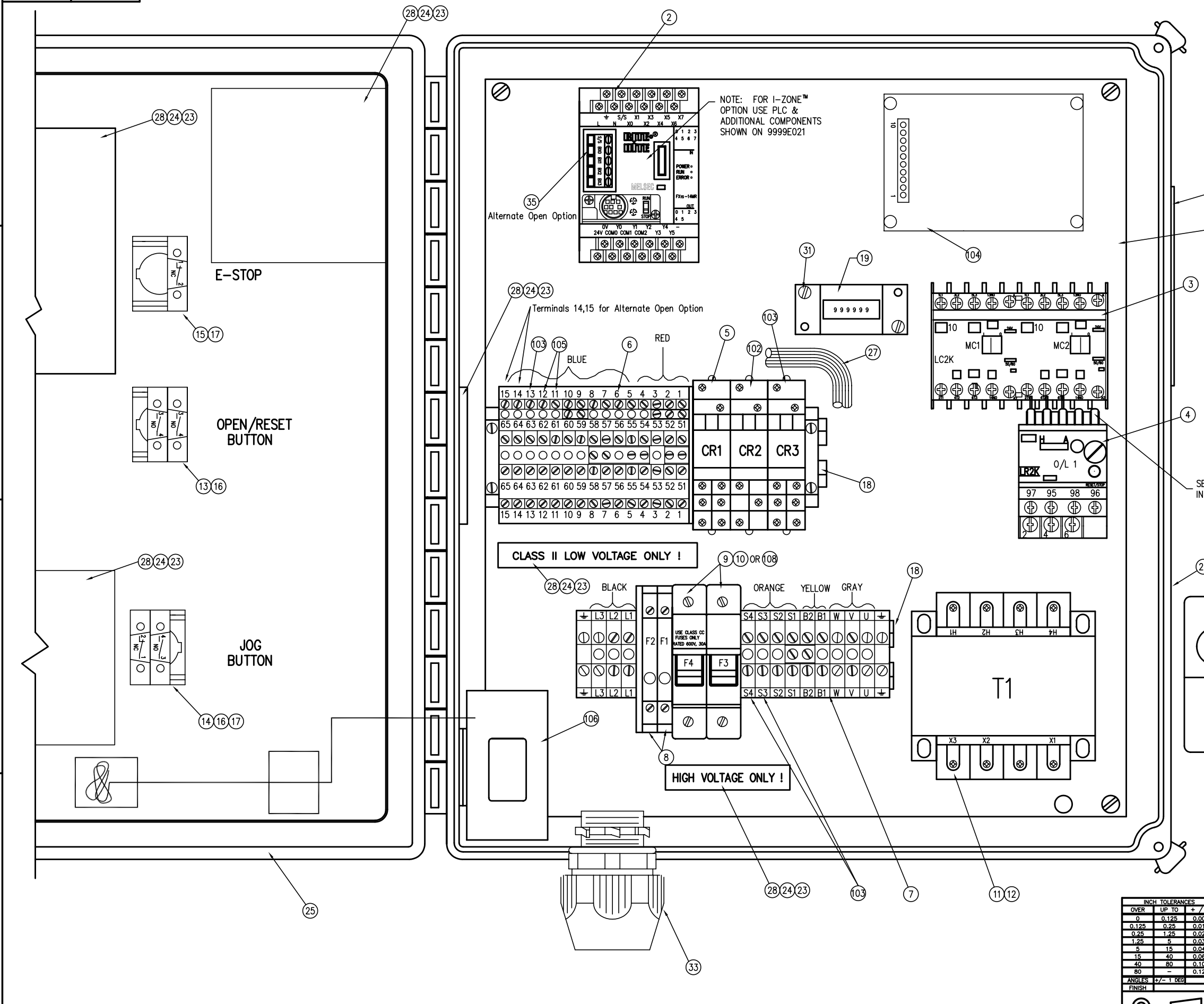
NEXT ASSEMBLY	FINAL ASSEMBLY
7818E010	8910/20

REV	DESCRIPTION	EON	DATE	BY	APPROVED
G	CHANGE LOOP BOARD	4848	9/7/2005	RPB	
E	Combine Alt Opem & Standard dwg	4731	4/11/2004	MDB	
F	Create Spanish label set.	4741	5/28/2005	MDB	

CONTACTOR SELECTION TABLE				OVERLOAD RELAY SELECTION TABLE			
MODEL	VOLTAGE	PART #	AMP. RATING	MODEL	VOLTAGE	PART #	ADJ. RANGE
8910	ALL	17000015	9A	8910	208	16660019	3.8-5.5A
8920	ALL	17000015	9A		230-240	16660016	2.6-3.7A
8920PL	ALL	17000016	12A		380-480	16660017	1.8-2.6A
8910	ALL	17000015	9A	575	16660018	1.2-1.8A	
				208	16660019	3.8-5.5A	
				230-240	16660016	2.6-3.7A	
8920	ALL	17000015	9A	380-480	16660017	1.8-2.6A	
				575	16660018	1.2-1.8A	
				208-240	16660020	5.5-8.0A	
8920PL	ALL	17000016	12A	380-480	16660016	2.6-3.7A	
				575	16660017	1.8-2.6A	

OPTIONAL COMPONENTS	
400V 50Hz VOLTAGE OPTION	108 1 16660006 - - - - - CXT BREAKER, 2-POLE, 1 AMP
RADIO CONTROL OPTION	107 1 76210013 - - - - - TRANSMITTER, ACTIVATION 40 MHz
	107 1 76210009 - - - - - TRANSMITTER, ACTIVATION 318 MHz
	108 1 76210012 - - - - - RADIO, RECEIVER (W/ TRANSMITTER) 40 MHz
INTERLOCKING OPTION	106 1 76210008 - - - - - RADIO, RECEIVER (W/ TRANSMITTER) 318 MHz
	105 1 73100011 - - - - - WIRE, 18 AWG, ORANGE, MTW, STRANDED
INDUCTION LOOP DETECTOR OPTION	AND 4 71300005 - - - - - TERMINAL, BLUE DBL TIER, 20A
	AND 1 73100011 - - - - - INDUCTION LOOP HARNESS
FAULT INDICATOR OPTION	AND 1 15650015 - - - - - INDUCTION LOOP DETECTOR, 24VDC
	AND 1 73100011 - - - - - TERMINAL, BLUE DBL TIER, 20A
	AND 1 FT 75600040 - - - - - WIRE, 18 AWG, WHITE, MTW, STRANDED
PRE-ANNOUNCE STROBE/BEACON OPTION	AND 3 FT 75600027 - - - - - WIRE, 18 AWG, BLACK, MTW, STRANDED
	AND 1 FT 75600028 - - - - - WIRE, 18 AWG, RED, MTW, STRANDED
	AND 1 70350001 - - - - - SOCKET SPOT
	103 1 66450003 - - - - - RELAY, DPDT 24VAC 5A
	AND 1 FT 75600040 - - - - - WIRE, 18 AWG, WHITE, MTW, STRANDED
	AND 3 FT 75600027 - - - - - WIRE, 18 AWG, BLACK, MTW, STRANDED
	AND 1 FT 75600028 - - - - - WIRE, 18 AWG, RED, MTW, STRANDED
	AND 1 70350002 - - - - - SOCKET SPOT
	102 1 66450004 - - - - - RELAY, SPDT 24VAC 10A

STANDARD COMPONENTS	
36 2	75600041 - - - - - WIRE, 14AWG, GREEN/YELLOW, 600V, ANM (NOT SHOWN)
34 1	65100015 - - - - - PLC, 4-INPUT, ADDITIONAL I/O
33 1	16960001 - - - - - CONNECTOR, CONDUIT, 1", LIQUID TIGHT
32 1	2 - - - - - SCREW, PAN-HEAD, PHILLIPS, TYPE 'B', #6x1/2, ZINC
31 2	67850106 - - - - - SCREW, PAN-HEAD, PHILLIPS, TYPE 'B', #6x1/2, ZINC
30 1	43750081 - - - - - ENCLOSURE, MACHINED 16x14x8
29 1	7818M074 - - - - - LABEL, ELECTRICAL SET, 8900
28 1	53850437 - - - - - LABEL, ELECTRICAL SET, 8900
27 1	52000012 - - - - - HARNESS, CONTROL BOX
26 1	53850430 - - - - - LABEL, NAMEPLATE
25 1	53850290 - - - - - LABEL, CBOX, 8900, ENCLOSURE
24 1	53850477 - - - - - LABEL, SPANISH, ELECTRICAL SET, 8900
23 1	53850444 - - - - - LABEL, PORTUGUESE, ELECTRICAL SET, 8900
22 1	2 - - - - -
21 1	2 - - - - -
20 1	17600021 - - - - - COUNTER, DURRANT
19 1	38120005 - - - - - DIN RAIL, LOW-PROFILE 6"
18 2	17200013 - - - - - CONTACT, N.C.
17 3	17200012 - - - - - CONTACT, N.O.
16 1	72700006 - - - - - SWITCH, E-STOP
15 1	72700006 - - - - - SWITCH, E-STOP
14 1	72700104 - - - - - SWITCH, PB, FLUSH, BLACK
13 1	72700085 - - - - - SWITCH, PB, FLUSH, GREEN
12 2	51300005 - - - - - GUARDS, FINGER SAFE
OR 1	73550002 - - - - - TRANSFORMER, 100VA, 300/115/575/24/115
11 1	73550001 - - - - - TRANSFORMER, 100VA, 208/230/480/24/115
10 1	51000003 - - - - - FUSE HOLDER, 600V CC, 2-POLE
OR 2	51000023 - - - - - FUSE, 1A 600V CC, LP-CC
9 2	51000001 - - - - - FUSE, 0.5A 600V CC, ATQR
AND 1	73100019 - - - - - END BARRIER, FUSE BLOCK
AND 1	51000005 - - - - - FUSE, 2A 300V MDL (F1)
AND 1	51000002 - - - - - FUSE, 1A 300V MDL (F2)
8 2	51000004 - - - - - FUSE HOLDER, 300V, 1-POLE
AND 4	- - - - - LABEL, TERMINAL BLOCK PE (GROUND)
AND 2	- - - - - LABEL, TERMINAL BLOCK (L3,L2,L1,S4,S3,S2,S1,B2,B1,W,V,U)
AND 4	73100016 - - - - - TERMINAL, ORANGE SINGLE TIER, 30A
AND 3	73100015 - - - - - TERMINAL, YELLOW SINGLE TIER, 30A
AND 3	73100013 - - - - - TERMINAL, GRAY SINGLE TIER, 30A
AND 3	73100014 - - - - - TERMINAL, BLACK SINGLE TIER, 30A
7 2	73100017 - - - - - TERMINAL, GROUND
AND 2	- - - - - LABEL, TERMINAL BLOCK #60-51
AND 2	- - - - - LABEL, TERMINAL BLOCK #10-1
AND 2	73100037 - - - - - END ANCHOR, SHORT
AND 2	53500003 - - - - - JUMPER
AND 1	73100018 - - - - - END BARRIER, DOUBLE TIER
6/8 7	73100011 - - - - - TERMINAL, BLUE DBL TIER, 20A
6 4	73100012 - - - - - TERMINAL, RED DBL TIER, 20A
AND 1	70350001 - - - - - SOCKET DPDT
5 1	66450003 - - - - - RELAY, DPDT 24VAC 5A
OR 1	16660020 - - - - - RELAY, OVERLOAD 5.5-8.0A
OR 1	16660018 - - - - - RELAY, OVERLOAD 1.2-1.8A
OR 1	16660019 - - - - - RELAY, OVERLOAD 3.8-5.5A
OR 1	16660016 - - - - - RELAY, OVERLOAD 2.6-3.7A
4 1	16660017 - - - - - RELAY, OVERLOAD 1.8-2.6A
3 1	17000016 - - - - - CONTACTOR, REVERSING 12-AMP W/ INTERLOCK
3 1	17000015 - - - - - CONTACTOR, REVERSING 9-AMP W/ INTERLOCK
2 1	65100008 - - - - - PLC, RTE-HTE 14 I/O, FX15
1 1	12200045 - - - - - BLACK PANEL, MACHINED 8900 14"x16"



INCH TOLERANCES		DO NOT SCALE DRAWING	
OVER	UP TO	+	-
0	0.125	0.005	
0.125	0.25	0.010	
0.25	1.25	0.020	
1.25	5	0.030	
5	15	0.040	
15	40	0.080	
40	80	0.100	
80	-	0.125	
ANGLES		1/2° - 1 DEG	
FINISH			

RITE-HITE DOORS INC.

TRAKLINE - ROLL & FOLD CONTROL BOX LAYOUT

DATE: 11/14/1995

DATE: 1/3/2001

3058

DATE ISSUED: 1/3/2001

SIZE: MODEL NUMBER: 8910/8920/8920PL

DWG NO: 7818E021

REV: G

SCALE: 1"=1"

SHEET 1 of 1

STANDARD TRANSFORMER SETTINGS	
LINE VOLTAGE	TAPS
208	H1-H2
220-240	H1-H3
440-480	H1-H4

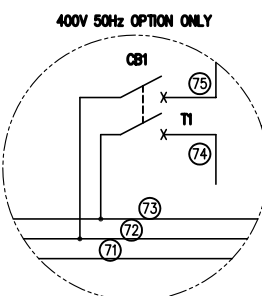
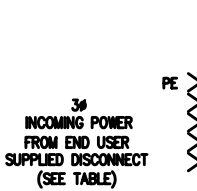
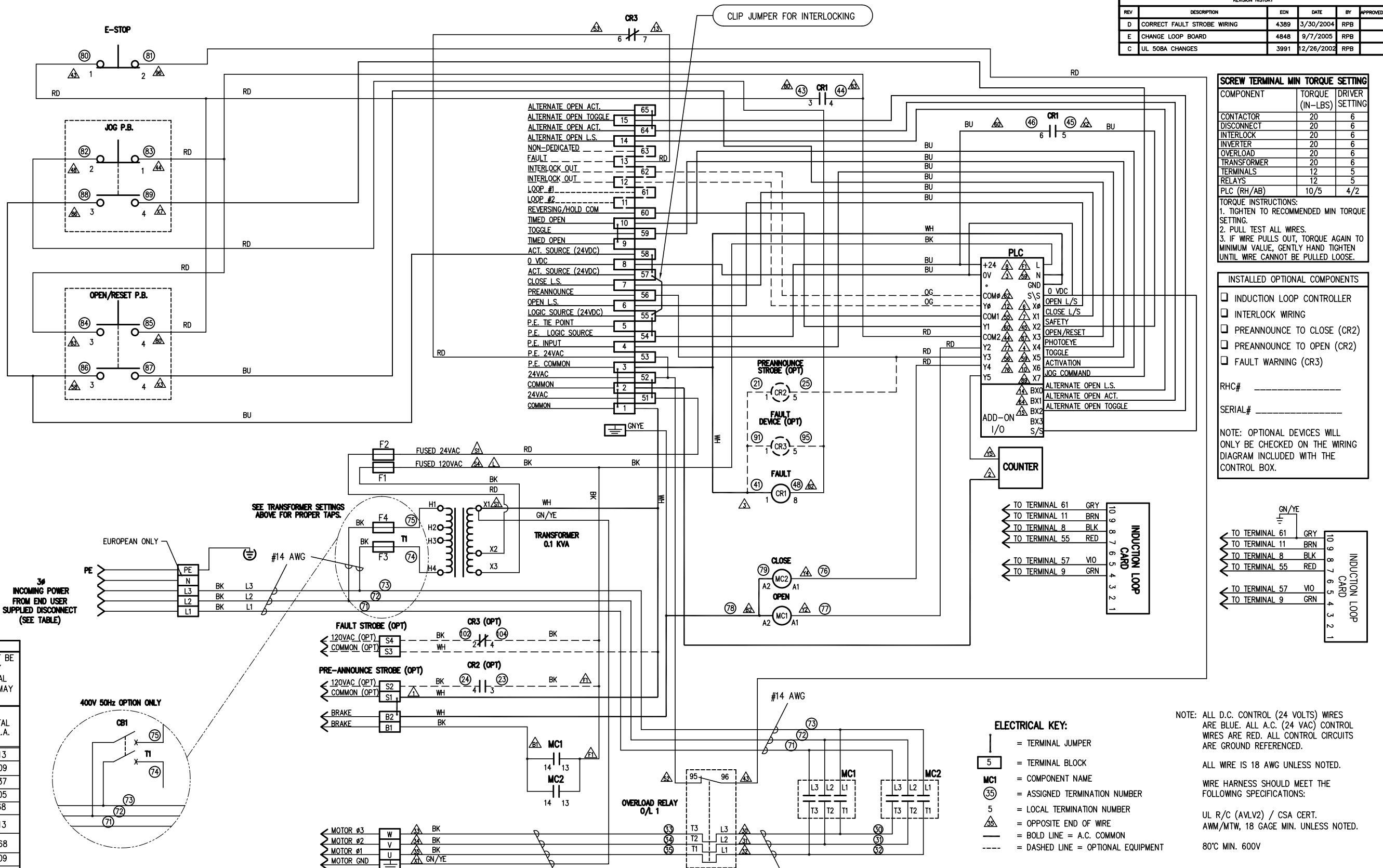
OPTIONAL TRANSFORMER SETTINGS	
LINE VOLTAGE	TAPS
575	H1-H4
415	H1-H3
380	H1-H2

CONTROL BOX FUSING		
USE ONLY RECOMMENDED VALUES FOR REPLACEMENT		
DEVICE	VOLTAGE	CURRENT RATING
F1	-	1 AMP
F2	-	2 AMP
F3	208-240	1 AMP CC
	380-575	.5 AMP CC
F4	208-240	1 AMP CC
	380-575	.5 AMP CC
CB1	380-415	1 AMP

OVERLOAD RELAY SETTING		
USE ONLY RECOMMENDED SETTING		
MODEL	VOLTAGE	SETTING
8910 (1 HP)	208	3.8 AMPS
	230-240	3.7 AMPS
	380-415	2.1 AMPS
	440-480	1.8 AMPS
	575	1.5 AMPS
8920 (1 HP OR 1.5 HP)	208 SIZE <= 144 SQ. FT.	3.8 AMPS
	208 SIZE > 144 SQ. FT.	4.2 AMPS
	230-240	3.7 AMPS
	380-415	2.1 AMPS
	440-480	1.8 AMPS
8920PL (2 HP)	208	6.9 AMPS
	230-240	6.3 AMPS
	380-415	3.6 AMPS
	440-480	3.2 AMPS
	575	2.5 AMPS

BRAKE RATINGS	
TORQUE	7.5 FT LB/10 Nm
COIL VOLTAGE	105 VDC
COIL OHMS	328 OHMS

BRANCH CIRCUIT PROTECTION			
NOTE: BRANCH CIRCUIT PROTECTION MUST BE SUPPLIED BY THE END USER AND COMPLY WITH ALL NATIONAL AND LOCAL ELECTRICAL CODES. SIZING FOR PROTECTIVE DEVICES MAY BE BASED ON INTERMITTENT DUTY.			
MODEL	VOLTAGE	MOTOR F.L.A.	TOTAL F.L.A.
8910 (1 HP)	208	3.65	4.13
	230-240	3.65	4.09
	380-415	2.10	2.37
	440-480	1.83	2.05
	575	1.50	1.68
8920 (1 HP OR 1.5 HP)	208 SIZE <= 144 SQ. FT.	3.65	4.13
	208 SIZE > 144 SQ. FT.	4.20	4.68
	230-240	3.65	4.09
	380-415	2.10	2.37
	440-480	1.83	2.05
8920PL (2 HP)	208	6.33	6.81
	230-240	6.33	6.77
	380-415	3.64	3.90
	440-480	3.17	3.40
	575	2.45	2.62



- ELECTRICAL KEY:**
- 5 = TERMINAL JUMPER
  - 5 = TERMINAL BLOCK
  - MC1 = COMPONENT NAME
  - 5 = ASSIGNED TERMINATION NUMBER
  - 5 = LOCAL TERMINATION NUMBER
  - 5 = OPPOSITE END OF WIRE
  - = BOLD LINE = A.C. COMMON
  - - - = DASHED LINE = OPTIONAL EQUIPMENT

NOTE: ALL D.C. CONTROL (24 VOLTS) WIRES ARE BLUE. ALL A.C. (24 VAC) CONTROL WIRES ARE RED. ALL CONTROL CIRCUITS ARE GROUND REFERENCED.

ALL WIRE IS 18 AWG UNLESS NOTED.

WIRE HARNESS SHOULD MEET THE FOLLOWING SPECIFICATIONS:

UL R/C (AVL2) / CSA CERT. AWM/MTW, 18 GAGE MIN. UNLESS NOTED.

80°C MIN. 600V

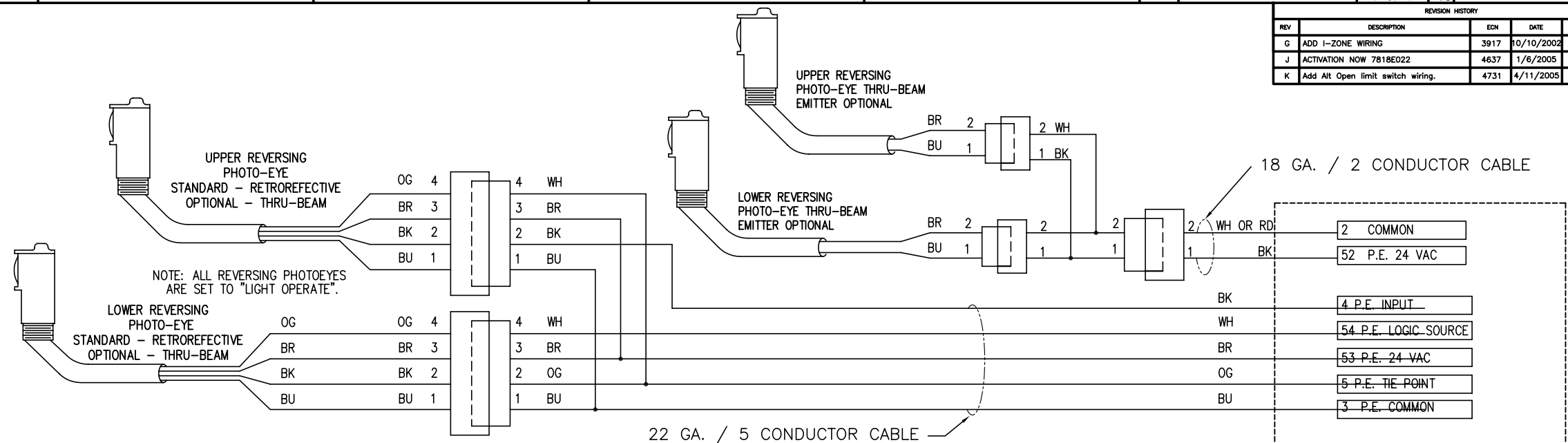
CAUTION: ALL BLACK WIRES ARE AT POTENTIALLY LETHAL VOLTAGES.

INCH TOLERANCES		DO NOT SCALE DRAWING	
OVER	UP TO	±	
0	0.125	0.005	
0.125	0.25	0.010	
0.25	1.25	0.020	
1.25	5	0.030	
5	15	0.040	
15	40	0.080	
40	80	0.100	
80		0.125	

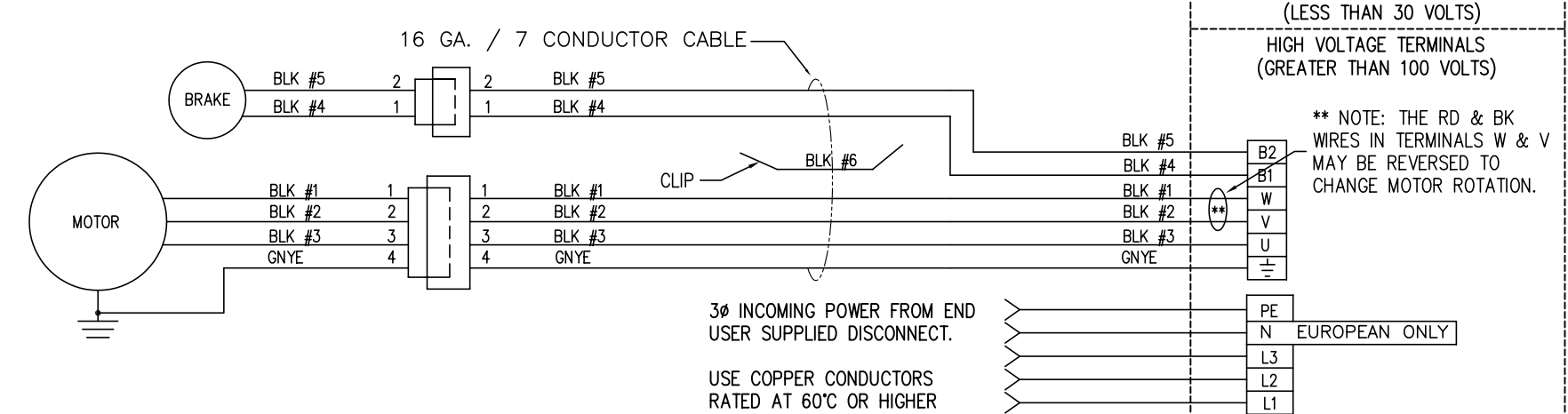
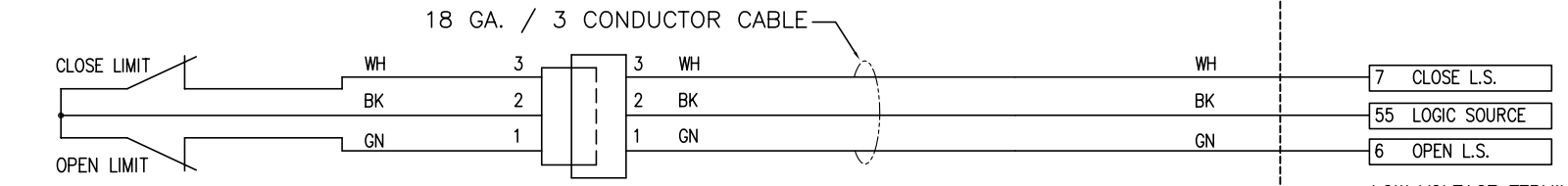
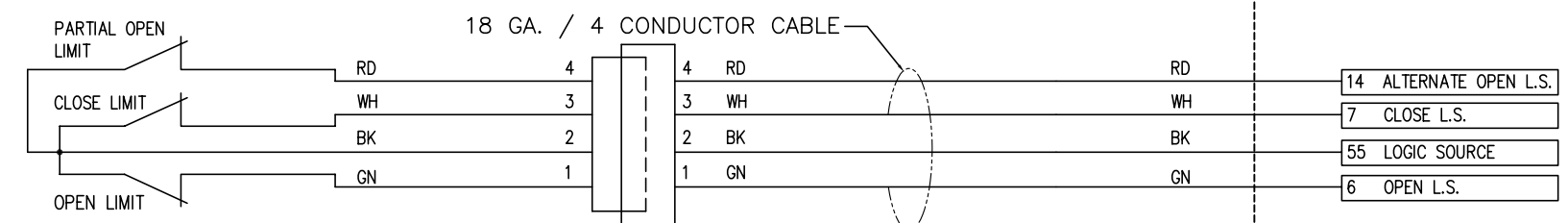
ITEM	QTY	PART NO.	DESCRIPTION
PARTS LIST / MATERIAL			
<b>RITE-HITE DOORS INC.</b>			
DRAWN BY JAR		DATE 11/14/1995	
CHECKED BY		DATE	
APPROVED BY		DATE	
INITIAL ECN 3058		DATE ISSUED 1/3/2001	
REV D		MODEL NUMBER 8910/8920/8920PL	
SCALE 9"=1'		PART # SEE ABOVE	

BACKPANEL P/N: 1226.XXXX  
CONTROL BOX P/N: 1731.XXXX (OPTIONAL)

REVISION HISTORY					
REV	DESCRIPTION	ECN	DATE	BY	APPROVED
G	ADD I-ZONE WIRING	3917	10/10/2002	RPB	
J	ACTIVATION NOW 7818E022	4637	1/6/2005	RPB	
K	Add Alt Open limit switch wiring.	4731	4/11/2005	MDB	



NOTE: ALL REVERSING PHOTOEYES ARE SET TO "LIGHT OPERATE".



3Ø INCOMING POWER FROM END USER SUPPLIED DISCONNECT.  
USE COPPER CONDUCTORS RATED AT 60°C OR HIGHER

NOTE:  
USE ONLY FACTORY SUPPLIED CABLE FOR MOTOR, PHOTOEYES, & LIMIT SWITCHES.

BRANCH CIRCUIT PROTECTION		
NOTE: BRANCH CIRCUIT PROTECTION MUST BE SUPPLIED BY THE END USER AND COMPLY WITH ALL NATIONAL AND LOCAL ELECTRICAL CODES. SIZING FOR PROTECTIVE DEVICES MAY BE BASED ON INTERMITTENT DUTY.		
MODEL	VOLTAGE	F.L.A.
8910 (1 HP)	208	3.65
	230-240	3.65
	380-415	2.10
	440-480	1.83
	575	1.50
8920 (1 HP OR 1.5 HP)	208 SIZE <= 144 SQ. FT.	3.65
	208 SIZE > 144 SQ. FT.	4.20
	230-240	3.65
	380-415	2.10
	440-480	1.83
8920PL (2 HP)	575	1.50
	208	6.33
	230-240	6.33
8920PL (2 HP)	380-415	3.64
	440-480	3.17
	575	2.45

INCH TOLERANCES			DO NOT SCALE DRAWING	
OVER	UP TO	+/-	DATE	MM-DD-YY
0	0.125	0.005		
0.125	0.25	0.010		
0.25	1.25	0.020		
1.25	5	0.030		
5	15	0.040		
15	40	0.080		
40	80	0.100		
80	-	0.125		

ITEM	QTY	PART NO.	DESCRIPTION
PARTS LIST / MATERIAL			
<b>RITE-HITE DOORS INC.</b>			
TITLE TRAKLINE - ROLL & FOLD-ENCLOSURE EXTERNAL FIELD WIRING DIAGRAM			
DATE ISSUED	2961	SIZE MODEL NUMBER	DWG NO
10/2/2000		8910/8920/8920PL	7818E009
SCALE	9"=1'	PART #	SHEET 1 of 1

NEXT ASSEMBLY

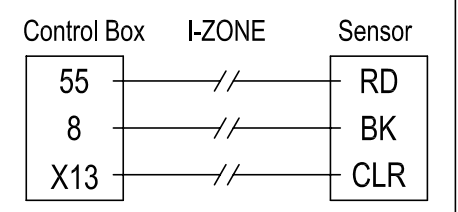
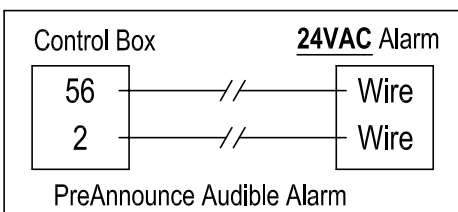
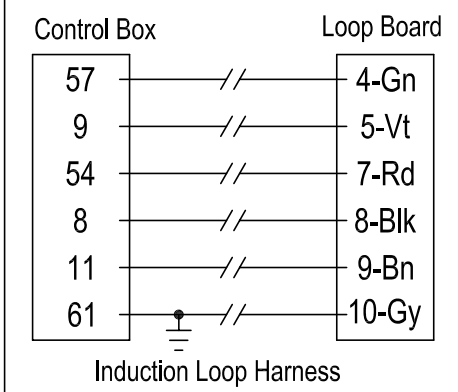
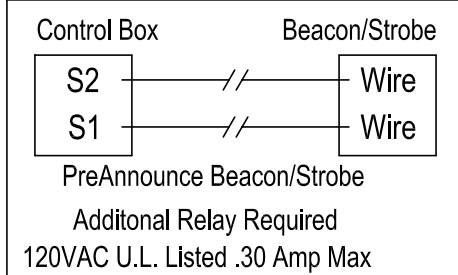
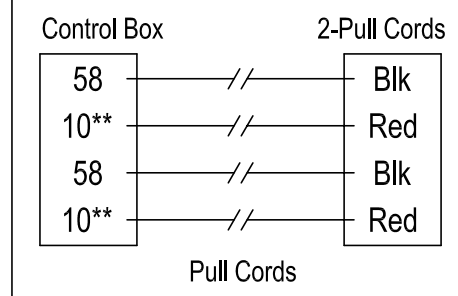
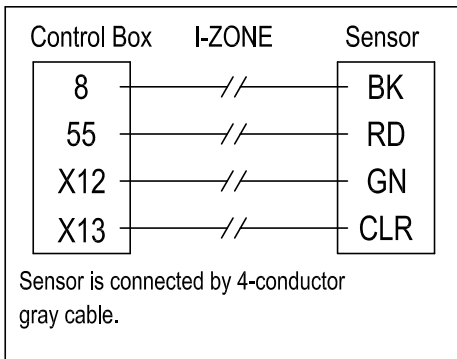
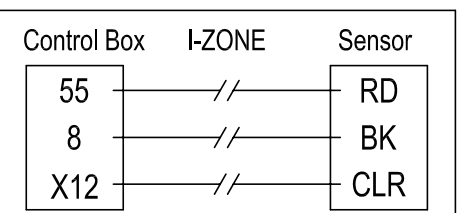
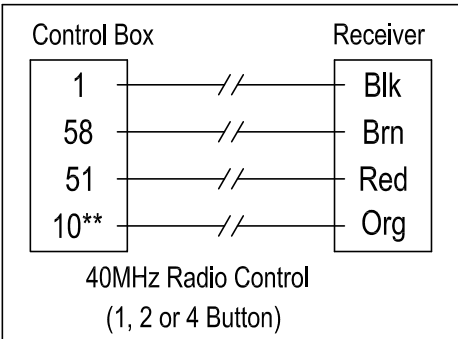
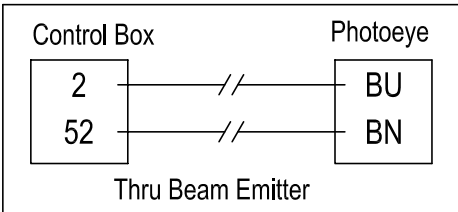
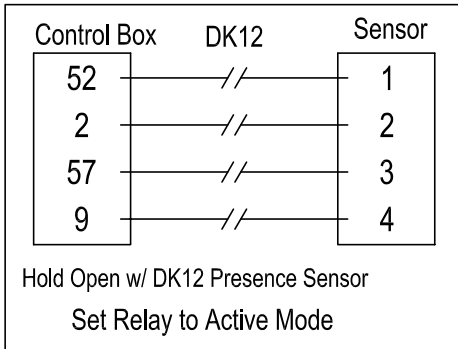
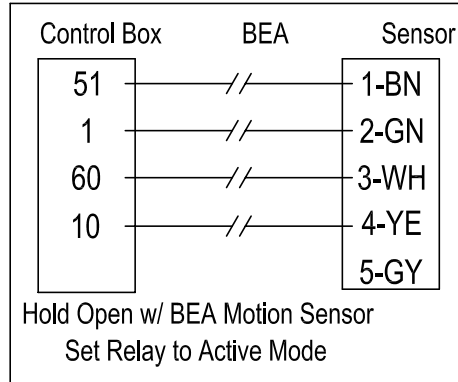
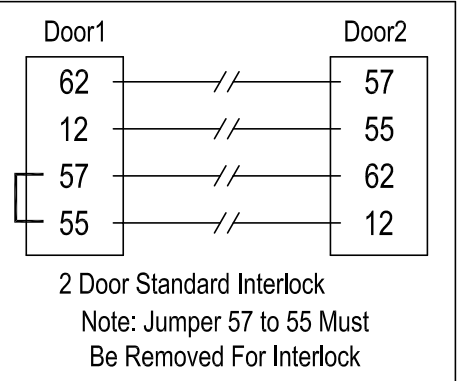
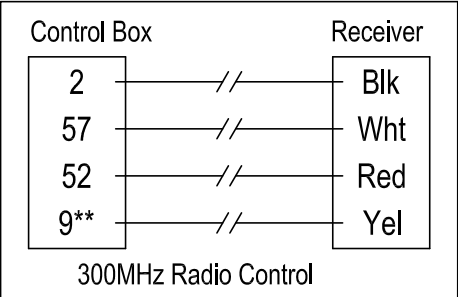
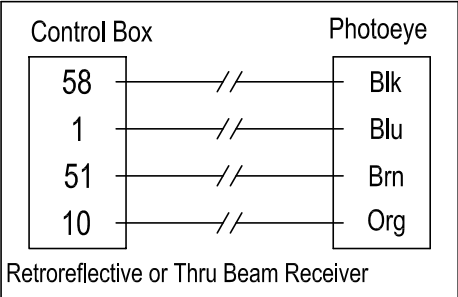
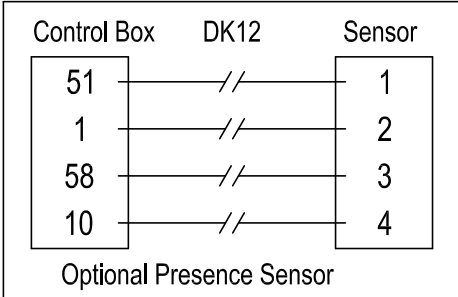
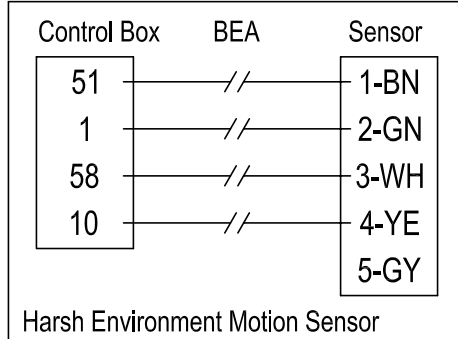
### ACTIVATION WIRING CONFIGURATIONS

FOR TOGGLE OPERATION ON RADIOS, PULL CORD OR PUSH BUTTON STATIONS USE TERMINAL 59 (TOGGLE-FULL OPEN) OR TERMINAL I5 (TOGGLE-ALTERNATE OPEN) INSTEAD OF 9, 10, 64, OR 65 (AUTO-RECLOSE). TERMINALS 9 AND 10 ARE FULL OPEN AUTO-RECLOSE. FOR ALTERNATE OPEN WITH AUTO-RECLOSE USE TERMINALS 64 OR 65.

REVISION HISTORY					
REV	DESCRIPTION	ECN	DATE	BY	APPROVED
A	Correct I-zone wiring	4731	4/11/2005	MDB	
B	CHANGE LOOP CARD	4848	9/7/2005	RPB	
C	ADD 120V AUDIBLE ALARM	4994	2/20/2006	RPB	

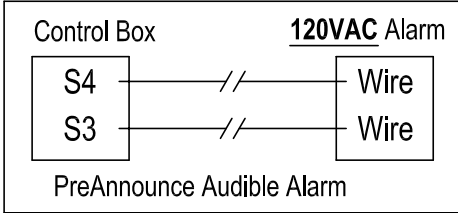
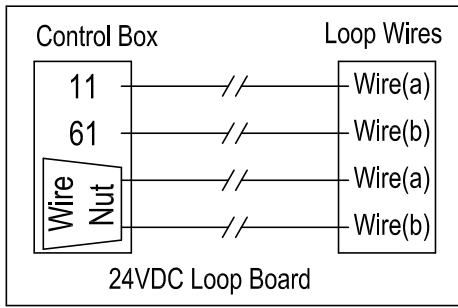
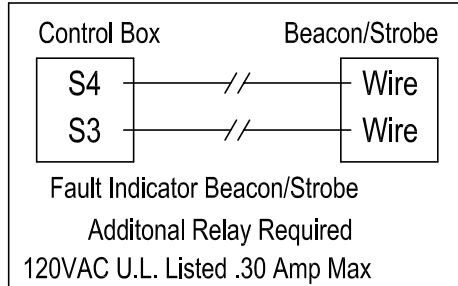
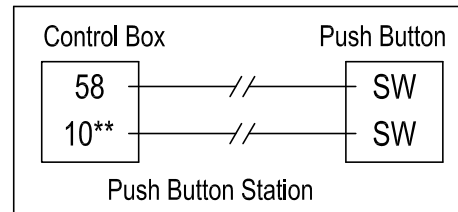
B

B



A

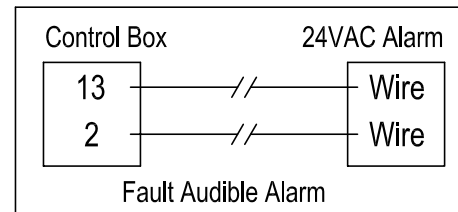
A



I-ZONE WIRING: TrakLine w/Sideframe mounted controls

I-ZONE WIRING: TrakLine w/Control Box

ITEM	QTY	PART NO.	DESCRIPTION
PARTS LIST / MATERIAL			



INCH TOLERANCES			DO NOT SCALE DRAWING	
OVER	UP TO	+ / -	MM-DD-YY	
0	0.125	0.005	DRAWN BY	DATE
0.125	0.25	0.010	MDB	11/19/2004
0.25	1.25	0.020	CHECKED BY	DATE
1.25	5	0.030	APPROVED BY	DATE
5	15	0.040	INITIAL ECN	
15	40	0.060	4637	
40	80	0.100	DATE ISSUED	11/19/2004
80	-	0.125	REF	
ANGLES +/- 1 DEG			SCALE 9"=1'	
FINISH			SHEET	

**RITE-HITE<sup>®</sup> DOORS INC.**

TITLE: **TRAKLINE - ROLL & FOLD ACTIVATION WIRING DIAGRAM**

SIZE: **B** MODEL NUMBER: **8910/8920/8920PL** DWG NO: **7818E022** REV: **C**

SCALE: **9"=1'** PART # SHEET