



NEXT ASSEMBLY	FINAL ASSEMBLY
	7832E001.2

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

LINE VOLTAGE	TAPS
575	H1-H4
415	H1-H3
380	H1-H2

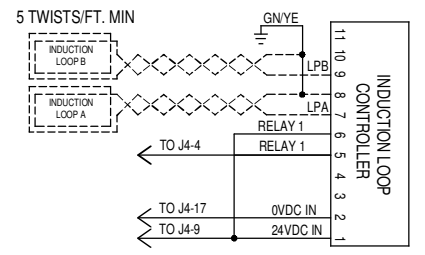
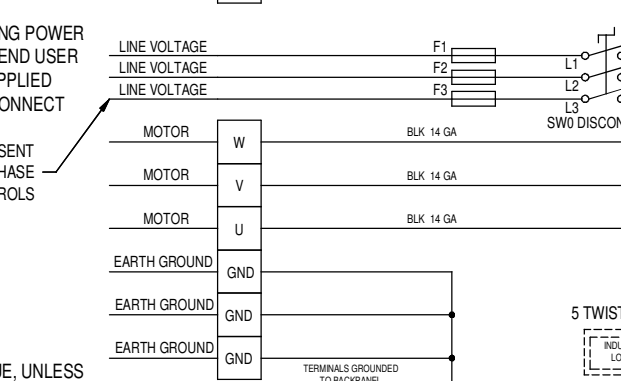
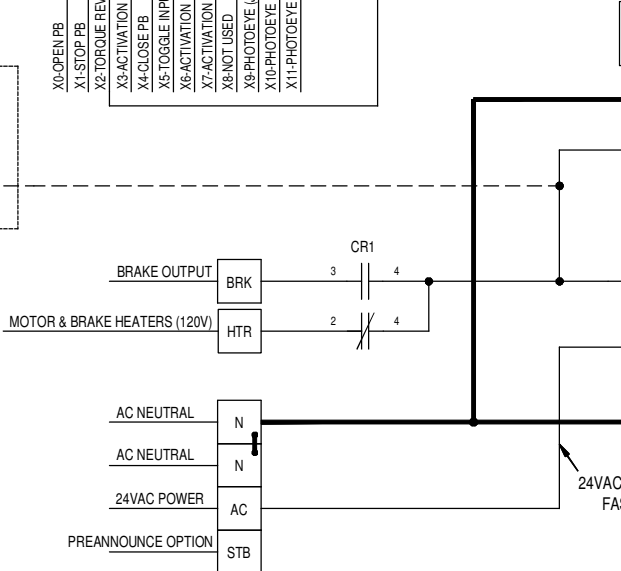
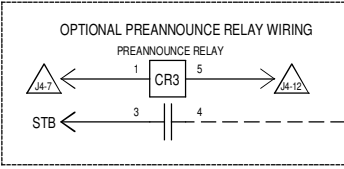
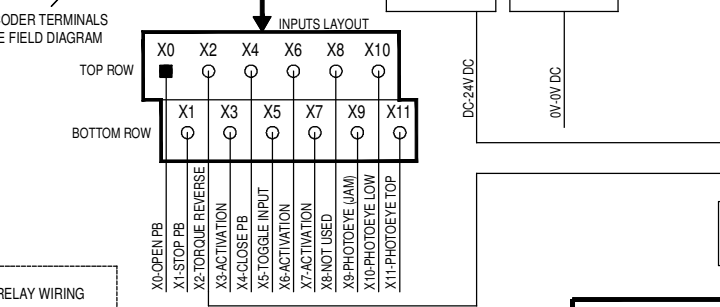
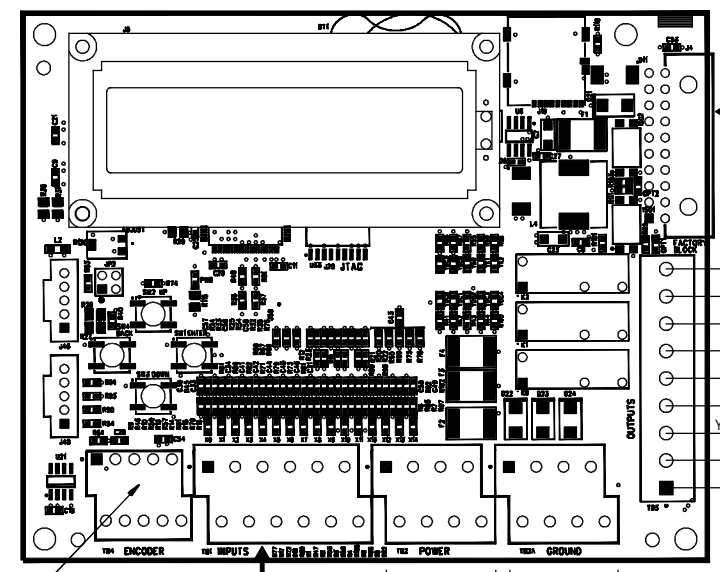
DOOR STYLE	LINE VOLTAGES					
	208, 3Ø	220, 1Ø	230, 3Ø	400, 3Ø	460, 3Ø	575, 3Ø
FASTRAX XL	15A	30A	15A	10A	10A	10A

DOOR STYLE	LINE VOLTAGES					
	208, 3Ø	220, 1Ø	230, 3Ø	400, 3Ø	460, 3Ø	575, 3Ø
FASTRAX XL	9.2A	17.8A	9.2A	5.4A	5.4A	3.7A

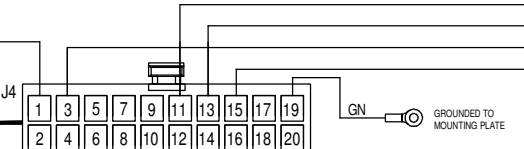
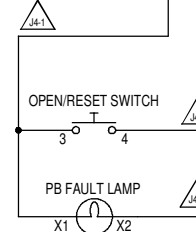
DEVICE	VOLTAGE	CURRENT RATING
F1/2/3	220, 1Ø	20 AMP
	208, 230 3Ø	15 AMP
	460 3Ø	10 AMP
F4/5	208, 220, 230	1 AMP
	400 - 575	1/2 AMP
F6	-	2 AMP
F7	-	1 AMP

CONN.	PIN #	FUNCTION	VOLTAGE
J4	1	PB POWER OUTPUT	24 VDC
	2	RESET INPUT (X12)	24 VDC
	3	POWER SUPPLY INPUT	24 VDC
	4	LOOP INPUT (X13)	24 VDC
	5	CHAINFALL POWER OUTPUT	24 VDC
	6	FAULT INPUT (X14)	24 VDC
	7	WARN. DEV. POWER OUTPUT	24 VDC
	8	PB LIGHT OUT (YDC3)	0 VDC
	9	IND. LOOP POWER OUTPUT	24 VDC
	10	IZONE ALARM OUTPUT (YDC4)	0 VDC
	11	INVERTER OUTPUT (B5)	24 VDC
	12	WARN. DEVICE OUTPUT (YDC5)	0 VDC
	13	INVERTER COMMON (B2)	24 VDC
	14	CHAINFALL OUTPUT (YDC6)	0 VDC
	15	POWER SUPPLY INPUT	0 VDC
	16	SPARE OUTPUT (YDC7)	0 VDC
	17	IND. LOOP POWER OUTPUT	0 VDC
	18	RS485 + COMMUNICATIONS	1 VDC
	19	EARTH GROUND	0 VDC
	20	RS485 - COMMUNICATIONS	-1 VDC

NOTES:  
 ALL WIRES ARE 18 AWG BLUE, UNLESS OTHERWISE MARKED.  
 ALL 24VDC CONTROL WIRES ARE BLUE.  
 △ - INDICATES OPPOSITE END OF WIRE  
 WARNING:  
 ALL BLACK WIRES ARE AT POTENTIALLY LETHAL VOLTAGES.

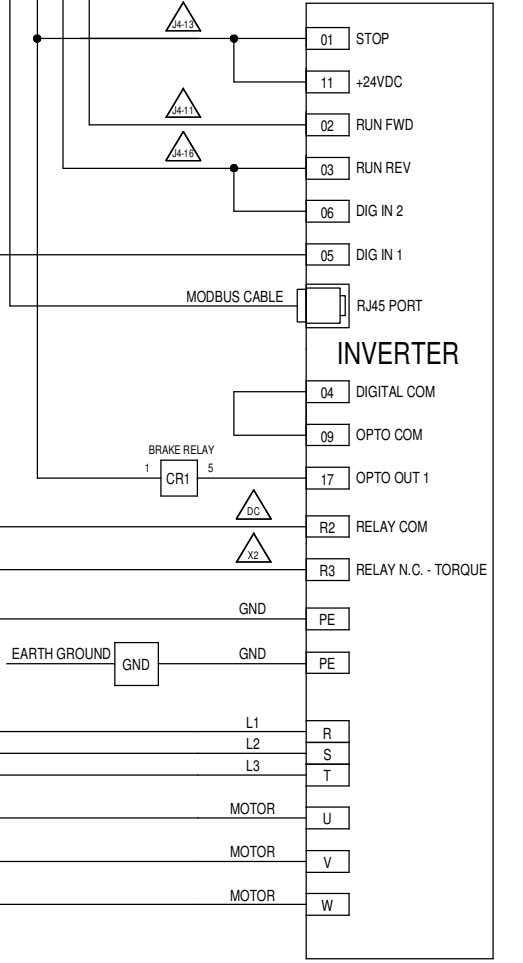
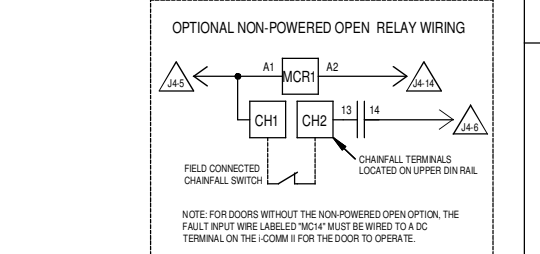
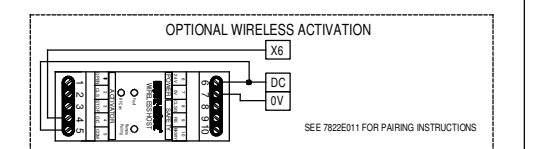


- K2N-K2 COMMON
- K2-RELAY K2 OUT
- K1N-K1 COMMON
- K1-RELAY K1 OUT
- K0N-K0 COMMON
- K0-RELAY K0 OUT
- YDC2 - PHOTOEYE TEST
- YDC1 - DC OUTPUT
- YDC0 - DC OUTPUT



FAULT INPUT MUST BE WIRED TO 'DC' FOR DOORS WITHOUT NON-POWERED OPTION

REV	DESCRIPTION	ECN	DATE	BY	APPROVED



INCH TOLERANCES			DO NOT SCALE DRAWING	
OVER	UP TO	+/-	DATE	MM-DD-YY
0	0.125	0.005	DRAWN BY TAH	DATE 8/19/2014
0.125	0.25	0.010		
0.25	1.25	0.020	CHECKED BY TAH	DATE
1.25	5	0.030		
5	15	0.040	APPROVED BY	DATE
15	40	0.060		
40	80	0.100	INITIAL ECN	
80	-	0.125	DATE ISSUED	
ANGLES ± 1 DEG			REF	
FINISH			SCALE	

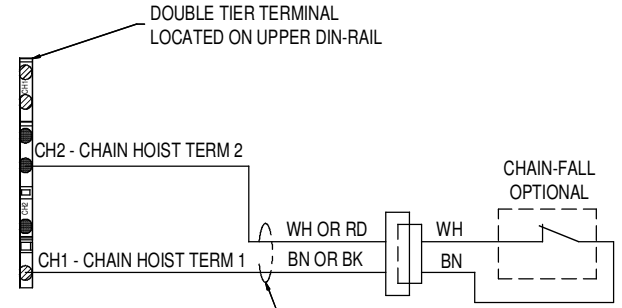
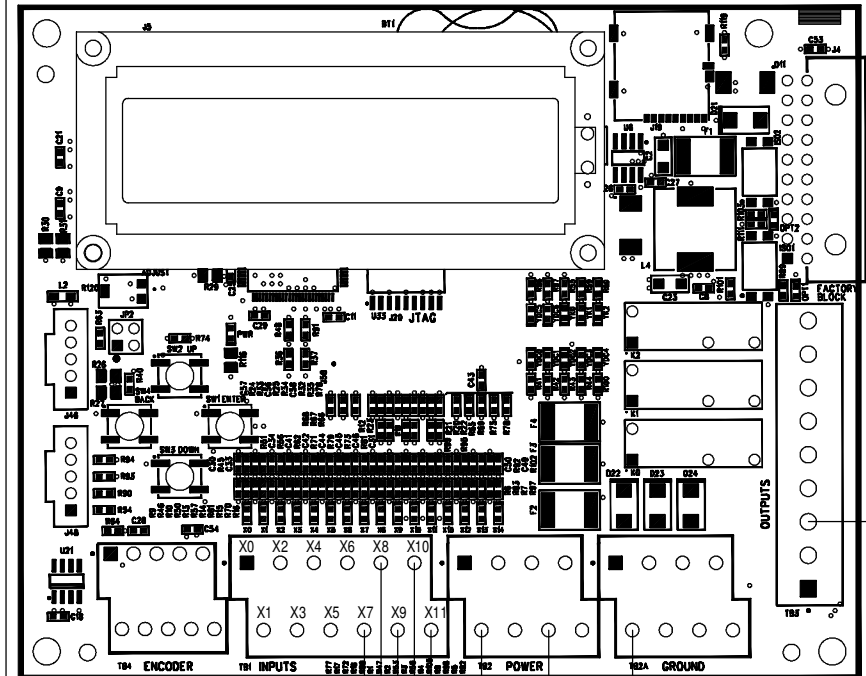
ITEM	QTY	PART NO.	DESCRIPTION

**RITE-HITE DOORS INC.**  
 TITLE: ALLEN-BRADLEY INVERTER WIRING DIAGRAM  
 FASTRAX XL, i-COMM II  
 SCALE: 9"-1" PART # 1759... SHEET

NEXT ASSEMBLY

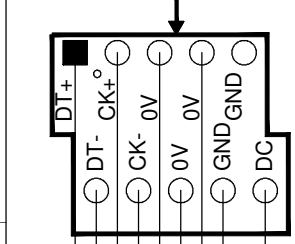
REVISION HISTORY

REV	DESCRIPTION	ECN	DATE	BY	APPROVED

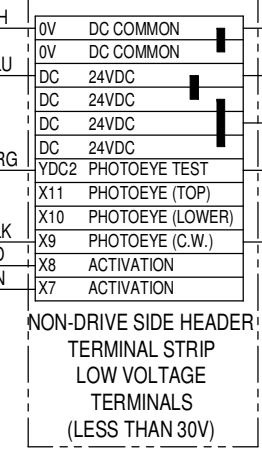


2 COND. 18 AWG  
GREY JACKET  
(RD & BK WIRES)  
- OR -  
2 COND. 18 AWG  
DARK BLUE JACKET  
(WH & BN WIRES)

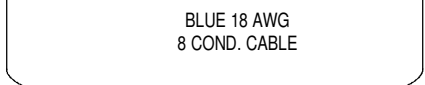
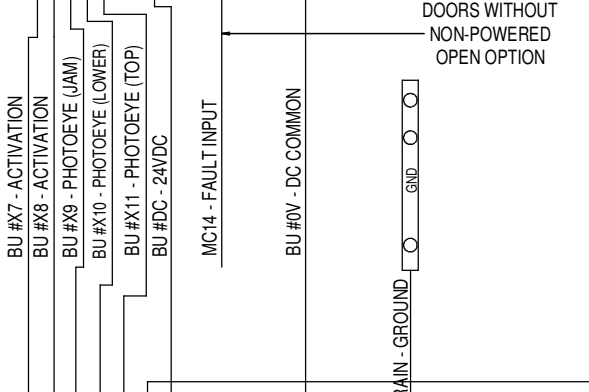
NOTE: THE BLU WIRE ON THE  
COUNTERWEIGHT MONITOR MUST BE  
CONNECTED TO "0V"



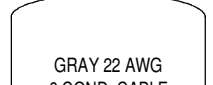
DOORS WITHOUT  
NON-POWERED  
OPEN OPTION



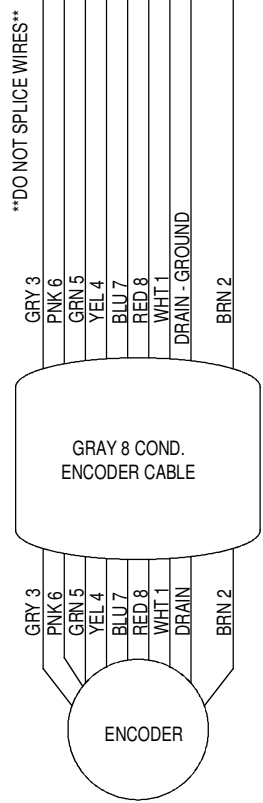
NON-DRIVE SIDE HEADER  
TERMINAL STRIP  
LOW VOLTAGE  
TERMINALS  
(LESS THAN 30V)



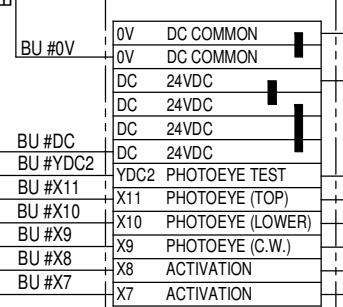
BLUE 18 AWG  
8 COND. CABLE



GRAY 22 AWG  
6 COND. CABLE

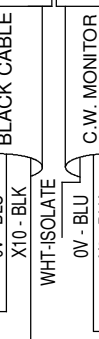
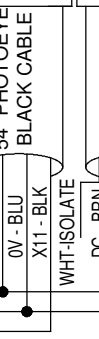
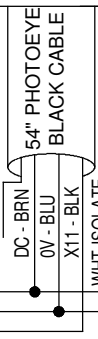


GRAY 8 COND.  
ENCODER CABLE



MOTOR JUNCTION BOX  
TERMINAL STRIP  
LOW VOLTAGE  
TERMINALS  
(LESS THAN 30V)

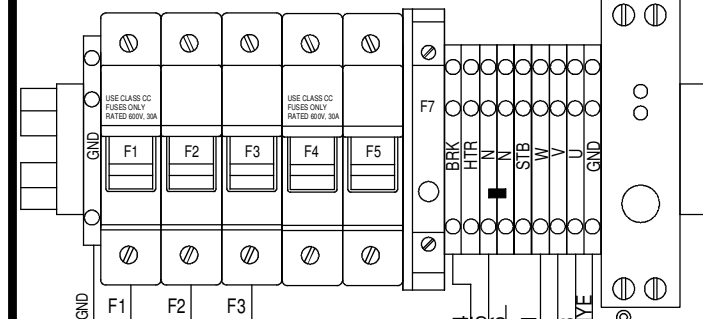
DRIVE SIDE  
PHOTOEYE  
RECEIVERS  
(18" & 54")



(NON-DRIVE SIDE)  
PHOTOEYE  
TRANSMITTERS

NON-DRIVE SIDE  
PHOTOEYE  
RECEIVER  
(COUNTERWEIGHT  
MONITOR ONLY)

HIGH VOLTAGE TERMINALS  
(GREATER THAN 100 VOLTS)



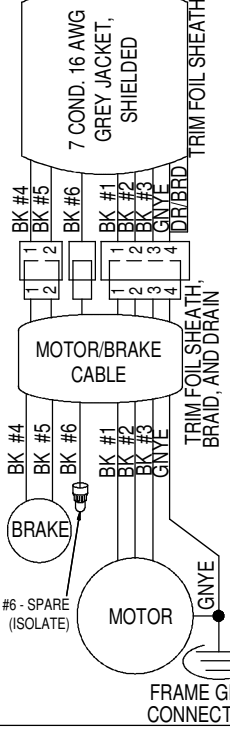
END USER  
SUPPLIED POWER  
DISCONNECT

3Ø INCOMING POWER  
TERMINATED AT F1,F2,F3 FUSE  
HOLDER.  
22 LB-IN MAX

ALL FIELD WIRING CONDUCTORS  
TO BE STRANDED COPPER  
INCOMING POWER: 75°C MIN  
LOW VOLTAGE CONTROL: 60°C MIN

DRN/BRD TERMINATED  
ON BACK PANEL  
  
\*\* NOTE: THE WIRES IN  
TERMINALS W & V  
MAY BE REVERSED TO  
CHANGE MOTOR ROTATION.

\*BK #6 - SPARE  
(ISOLATE)



FRAME GROUND  
CONNECTION

ITEM	QTY	PART NO.	DESCRIPTION

PARTS LIST / MATERIAL

INCH TOLERANCES		
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	0.060
40	80	0.100
80	-	0.125
ANGLES	+/- 1 DEG	
FINISH		

DO NOT SCALE DRAWING

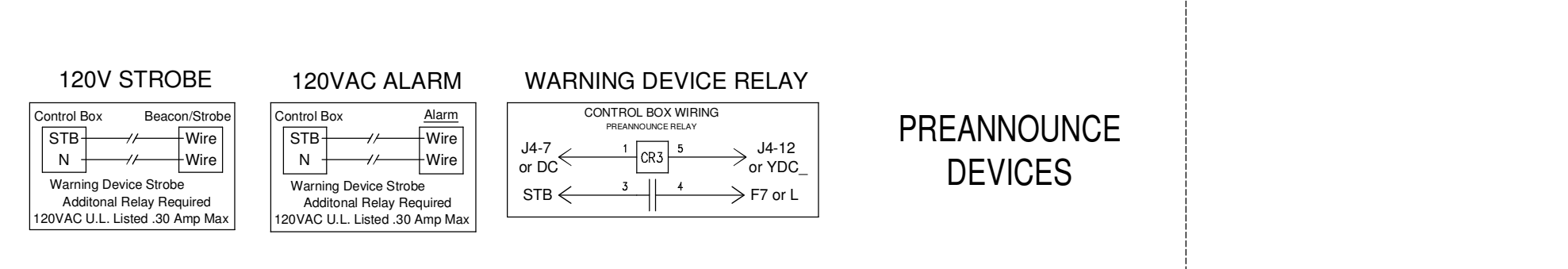
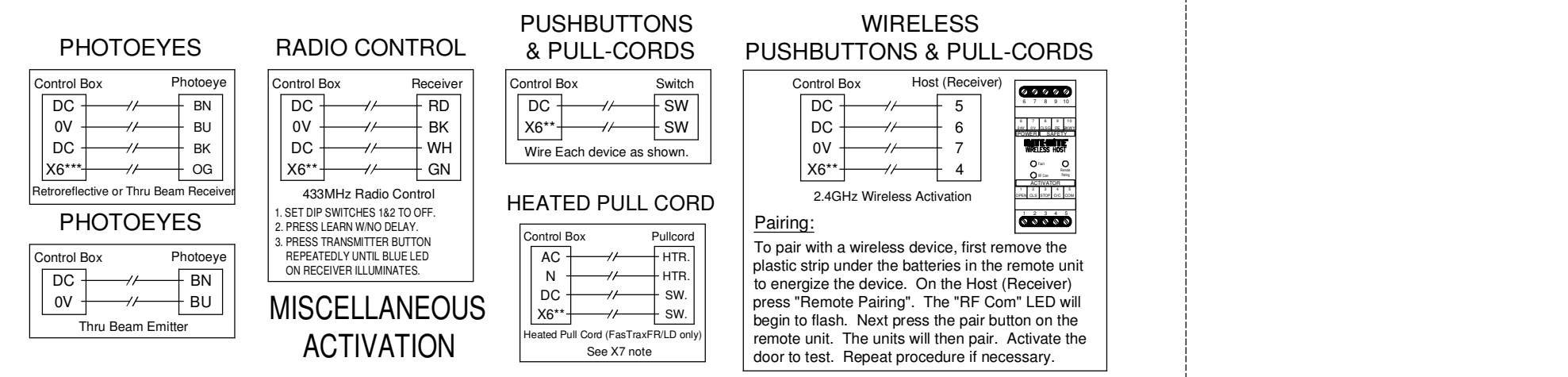
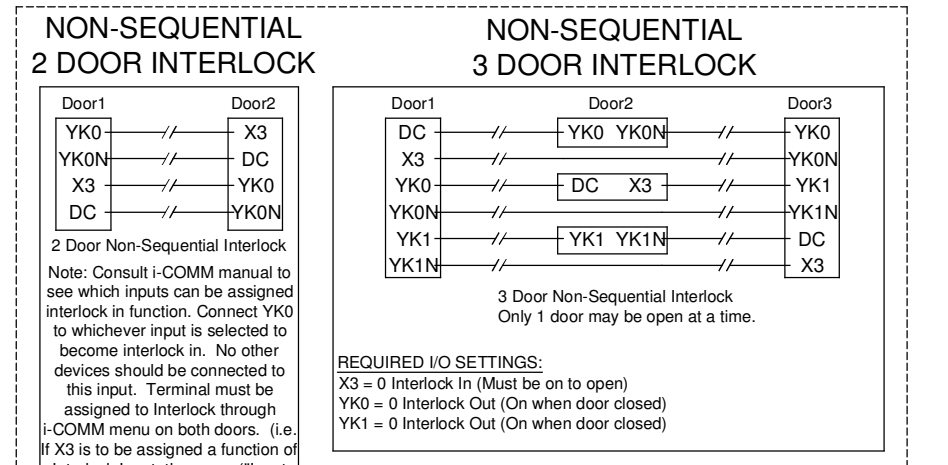
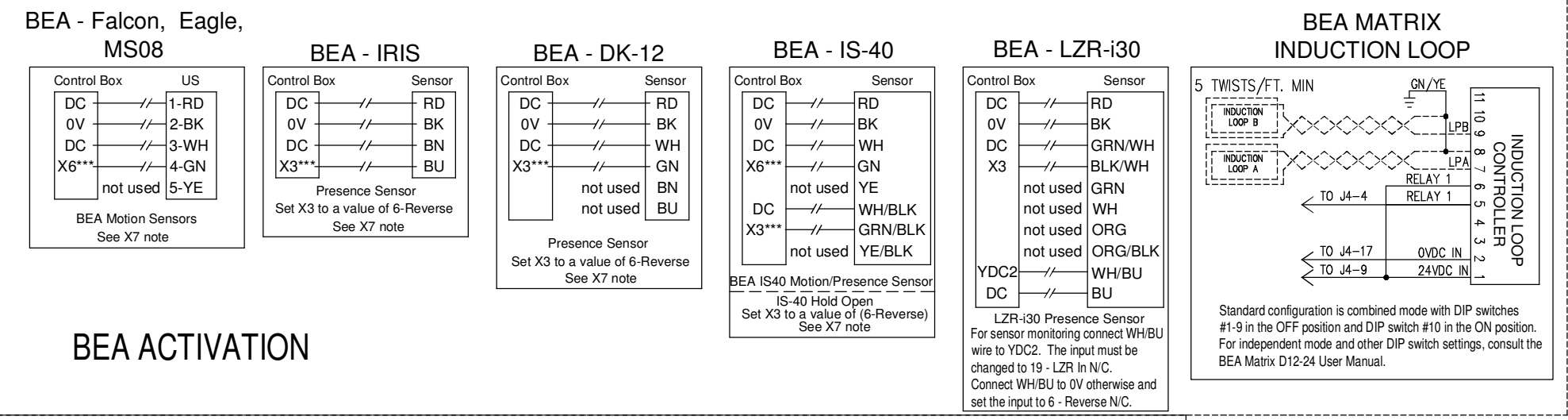
DRAWN BY	TAH	MM-DD-YY	8/19/2014
CHECKED BY		DATE	
APPROVED BY		DATE	
INITIAL ECN			
DATE ISSUED			
REF			

**RITE-HITE**  
**DOORS INC.**

TITLE  
**FASTRAX XL FIELD WIRING  
ENCODER, i-COMM II**

SIZE	MODEL NUMBER	DWG NO	REV
B	FasTraxXL	7832E004	
SCALE	4"=1'	PART #	SHEET

REVISION HISTORY					
REV	DESCRIPTION	ECN	DATE	BY	APPROVED
H	ADD ACTIVATION OPTIONS	6825	1/15/2014	TAH	
J	BEA RADIO CONTROLS	6893	7/16/2014	TAH	
K	ADD YK0 NOTE FOR EUROPE	6964	2/2/2015	TAH	

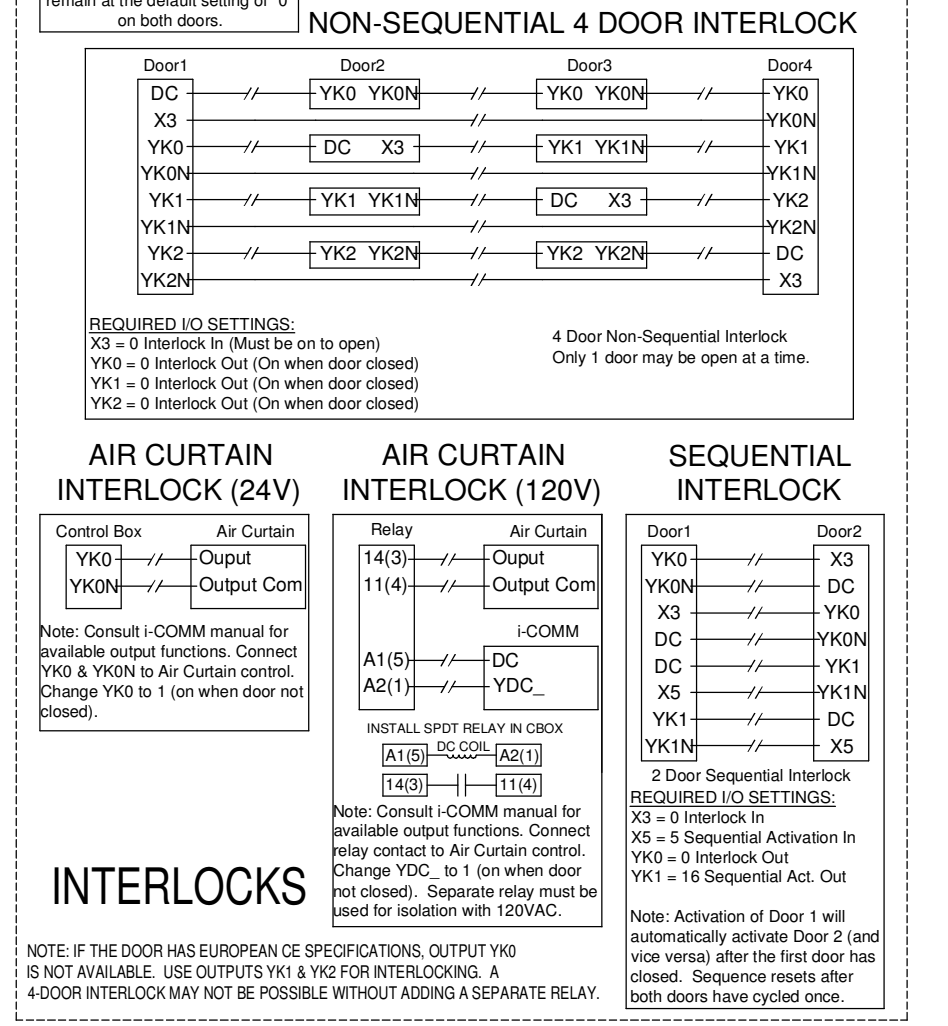


**NOTES**  
 This drawing assumes input functions are set to factory defaults. WARNING - never connect motion sensors to a toggle input.

Terminals "X6", "X7" are automatic reclose.  
 Terminal X7 on the motor terminal strip can be used for activation devices such as motion sensors and pull cords.  
 Terminals "DC" are DC common for inputs.

\*\*For true toggle operation use terminal "X5".  
 (Pull cords, push button or radio controls only.)  
 \*\*\*For Reverse hold open connect sensors to UNUSED input.  
 (i.e. X3, X6, or X7 and assign that input a function of "6" in the i-COMM menu. Multiple sensors can be connected in parallel.

Consult i-COMM manual and/or Door manual for additional instructions.



## INTERLOCKS

NOTE: IF THE DOOR HAS EUROPEAN CE SPECIFICATIONS, OUTPUT YK0 IS NOT AVAILABLE. USE OUTPUTS YK1 & YK2 FOR INTERLOCKING. A 4-DOOR INTERLOCK MAY NOT BE POSSIBLE WITHOUT ADDING A SEPARATE RELAY.

INCH TOLERANCES		DO NOT SCALE DRAWING		PARTS LIST / MATERIAL	
OVER	UP TO	+/-		ITEM	QTY
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	0.060			
40	80	0.100			
80	-	0.125			
ANGLES		+/- 1 DEG			
FINISH					

DATE ISSUED	5288	DATE	7/24/2008
DATE ISSUED	3/9/2007	DATE	
REF		DATE	

DRAWN BY		DATE	
CHECKED BY		DATE	
APPROVED BY		DATE	
INITIAL ECN		DATE	
SIZE		MODEL NUMBER	
SCALE		DWG NO	
SHEET		REV	

MM-DD-YY  
 DRAWN BY: RPB  
 DATE: 7/24/2008  
 CHECKED BY: [ ]  
 DATE: [ ]  
 APPROVED BY: [ ]  
 DATE: [ ]  
 INITIAL ECN: [ ]  
 DATE: [ ]  
 SIZE: D  
 MODEL NUMBER: FasTraxFR/FasTraxFR  
 DWG NO: 7822E011  
 REV: K

ITEM QTY PART NO. DESCRIPTION

FASTER  
 RITE-HITE DOORS INC.  
 TITLE: FasTrax SERIES ACTIVATION WIRING i-COMM II