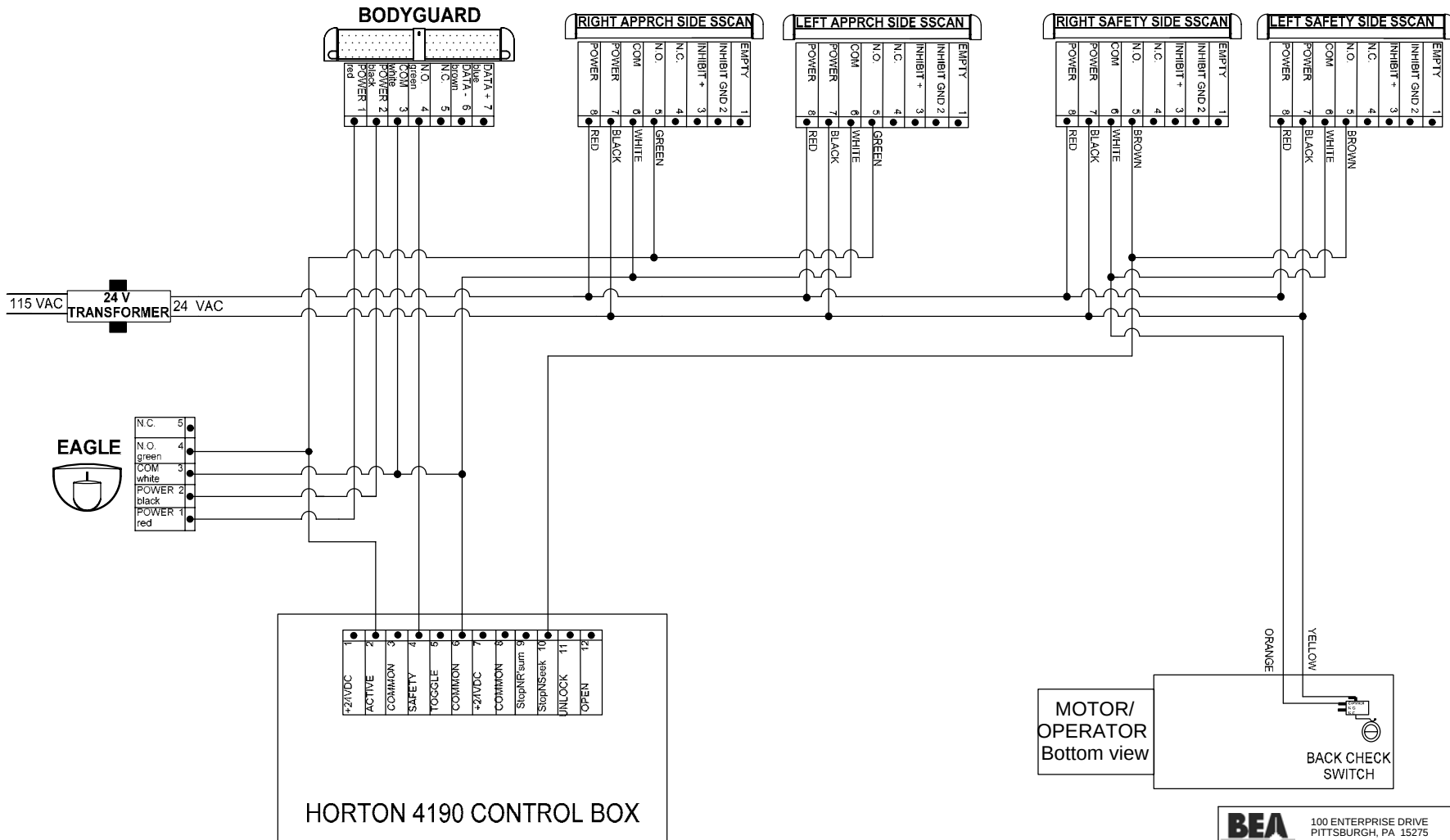
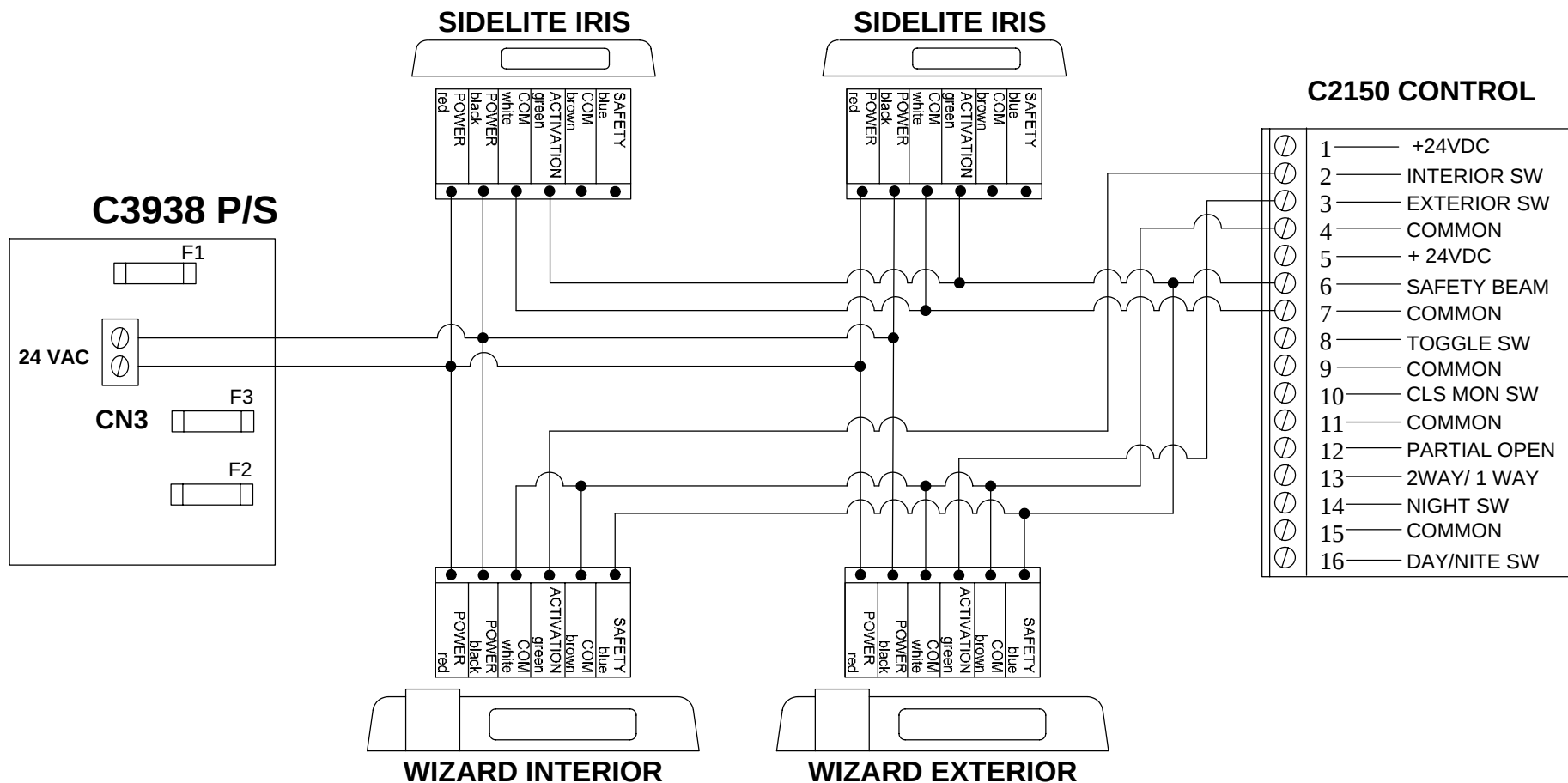




- NOTES: 1) CUT YELLOW, BROWN AND ORANGE WIRES GOING FROM CONTROL BOX TO BACK-CHECK SWITCH ON OPERATOR CAM.
 2) YELLOW AND ORANGE FROM CAM SWITCH USED FOR COIL ACTIVATION SEE FIGURE 2.
 3) YELLOW TERM (5) BROWN TERM (1) ORANGE TERM (3) FROM CONTROL BOX TO ISO RELAY CONTACTS.
 4) WIRE BODYGUARD TO LO21 IN ACCORDANCE TO LO21 MANUAL.

IF AFTER TROUBLESHOOTING A PROBLEM, A SATISFACTORY SOLUTION CANNOT BE ACHIEVED, PLEASE CALL B.E.A., INC. FOR FURTHER ASSISTANCE DURING EASTERN STANDARD TIME AT 1-800-523-2462 FROM 8AM - 5PM. FOR AFTER-HOURS, CALL EAST COAST: 1-866-836-1863 OR 1-800-407-4545 / MID-WEST: 1-888-308-8843 / WEST COAST: 1-888-419-2564. DO NOT LEAVE ANY PROBLEM UNRESOLVED. IF YOU MUST WAIT FOR THE FOLLOWING WORKDAY TO CALL B.E.A., LEAVE THE DOOR INOPERABLE UNTIL SATISFACTORY REPAIRS CAN BE MADE. NEVER SACRIFICE THE SAFE OPERATION OF THE AUTOMATIC DOOR OR GATE FOR AN INCOMPLETE SOLUTION.WEB: WWW.BEASENSORS.COM

 100 ENTERPRISE DRIVE PITTSBURGH, PA 15275 PHONE: (412) 249-4100 FAX: (412) 249-4101 EMAIL: www.beasensors.com	
TITLE:HORTON 4190 W/SAFETY SIDE SUPERSCAN W/BACKCHECK RELAY	
SIZE: B	DRAWN BY: KJG SCALE: NONE
REV BY: TUC DATE: 08 NOV 2005	PART NO: 80.0092.02 SHEET 1 OF 1



NOTES: 1) ON THE C2150 CONTROL TURN FUNCTION "SP" ON.

IF AFTER TROUBLESHOOTING A PROBLEM, A SATISFACTORY SOLUTION CANNOT BE ACHIEVED, PLEASE CALL B.E.A., INC. FOR FURTHER ASSISTANCE DURING EASTERN STANDARD TIME AT 1-800-523-2462 FROM 8AM - 5PM. FOR AFTER-HOURS, CALL EAST COAST: 1-866-836-1863 OR 1-800-407-4545 / MID-WEST: 1-888-308-8843 / WEST COAST: 1-888-419-2564. DO NOT LEAVE ANY PROBLEM UNRESOLVED. IF YOU MUST WAIT FOR THE FOLLOWING WORKDAY TO CALL B.E.A., LEAVE THE DOOR INOPERABLE UNTIL SATISFACTORY REPAIRS CAN BE MADE. NEVER SACRIFICE THE SAFE OPERATION OF THE AUTOMATIC DOOR OR GATE FOR AN INCOMPLETE SOLUTION.WEB: WWW.BEASENSORS.COM



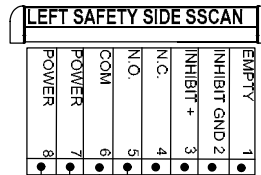
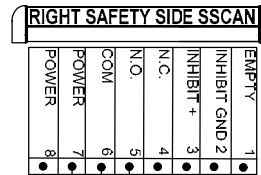
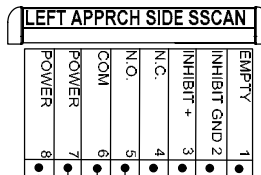
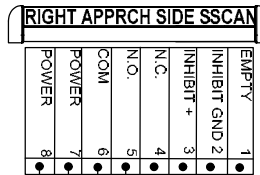
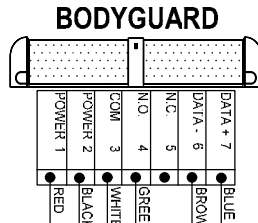
100 ENTERPRISE DRIVE
PITTSBURGH, PA 15275
PHONE: (412) 249-4100
FAX: (412) 249-4101
EMAIL: www.beasensors.com

TITLE: HORTON C2150 WITH WIZARDS, CRYSTAL SIDELITE PROTECTION

SIZE: A	DRAWN BY: KJG	REV BY: TUC	PART NO: 80.0093.03
	SCALE: NONE	DATE: 08 NOV 2005	SHEET 1 OF 1



N.C.	5	•
N.O.	4	• GREEN
COM	3	• WHITE
POWER 2	•	BLACK
POWER 1	•	RED



QUICK-DISCONNECT

QUICK-DISCONNECT

C4320-1 ROCKER SWITCH

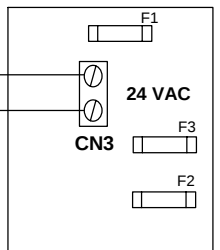
AUTOMATIC
OFF
HOLD OPEN

BREAKOUT SWITCH

C4190 CONTROL

- 1 — + 24 VDC
- 2 — ACTUATION
- 3 — COMMON
- 4 — SAFETY
- 5 — TOGGLE
- 6 — COMMON
- 7 — + 24 VDC
- 8 — COMMON
- 9 — STOPNR'SUM
- 10 — STOP-N-SEEK
- 11 — UNLOCK
- 12 — OPEN

C3938 P/S



NOTES: USE CN3 FOR POWER

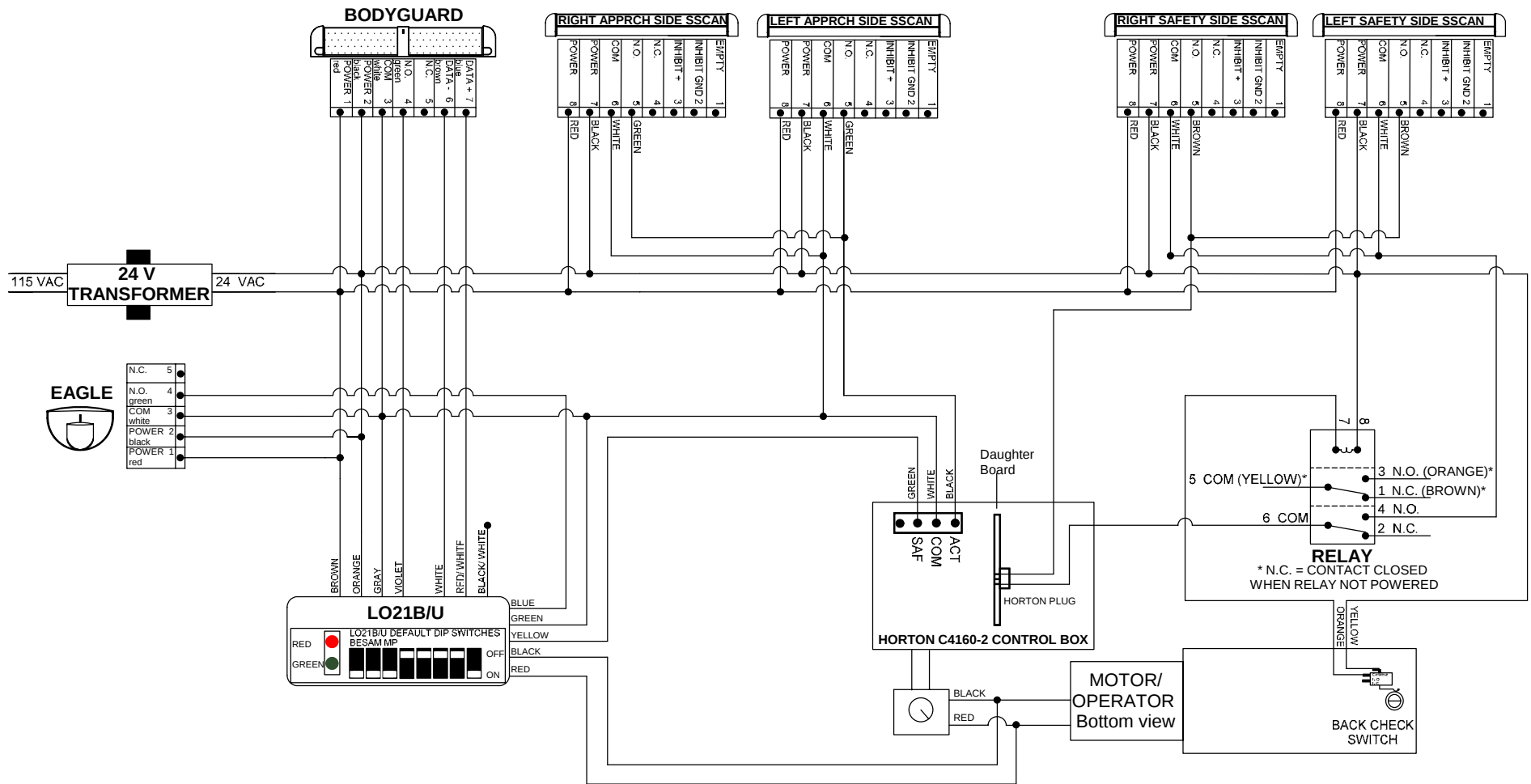
IF AFTER TROUBLESHOOTING A PROBLEM, A SATISFACTORY SOLUTION CANNOT BE ACHIEVED, PLEASE CALL B.E.A., INC. FOR FURTHER ASSISTANCE DURING EASTERN STANDARD TIME AT 1-800-523-2462 FROM 8AM - 5PM. FOR AFTER-HOURS, CALL EAST COAST: 1-866-836-1863 OR 1-800-407-4545 / MID-WEST: 1-888-308-8843 / WEST COAST: 1-888-419-2564. DO NOT LEAVE ANY PROBLEM UNRESOLVED. IF YOU MUST WAIT FOR THE FOLLOWING WORKDAY TO CALL B.E.A., LEAVE THE DOOR INOPERABLE UNTIL SATISFACTORY REPAIRS CAN BE MADE. NEVER SACRIFICE THE SAFE OPERATION OF THE AUTOMATIC DOOR OR GATE FOR AN INCOMPLETE SOLUTION.WEB: WWW.BEASENSORS.COM



100 ENTERPRISE DRIVE
PITTSBURGH, PA 15275
PHONE: (412) 249-4100
FAX: (412) 249-4101
EMAIL: www.beasensors.com

**TITLE: HORTON C4190 CONTROL WITH
PARALLAX 2 SYSTEM
Q-DISCONNECT ON SAFETY SIDE**

SIZE:	DRAWN BY: KJG	REV BY: JDC	PART NO: 80.0094.03
B	SCALE: NONE	DATE: 01 FEB 2006	SHEET 1 OF 1



NOTES: 1) PARALLEL ACT, COM, SAF FOR PAIR DOORS. OR MAY REQUIRE HORTON C7215 SIMULTANEOUS ACTIVATION MODULE. CONTACT BEA TECH SUPPORT FOR MORE INFO IF NECESSARY

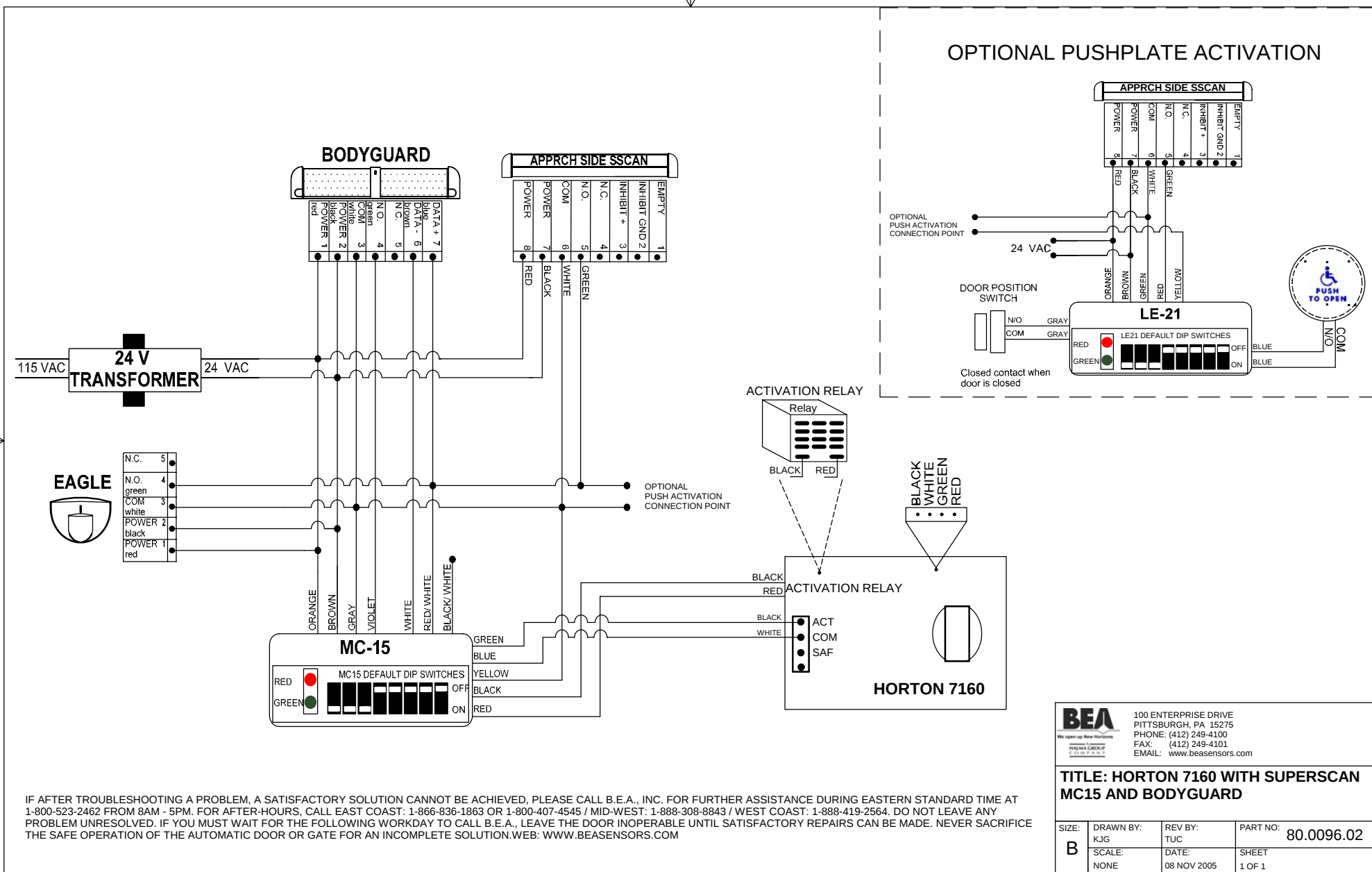
IF AFTER TROUBLESHOOTING A PROBLEM, A SATISFACTORY SOLUTION CANNOT BE ACHIEVED, PLEASE CALL B.E.A., INC. FOR FURTHER ASSISTANCE DURING EASTERN STANDARD TIME AT 1-800-523-2462 FROM 8AM - 5PM. FOR AFTER-HOURS, CALL EAST COAST: 1-866-836-1863 OR 1-800-407-4545 / MID-WEST: 1-888-308-8843 / WEST COAST: 1-888-419-2564. DO NOT LEAVE ANY PROBLEM UNRESOLVED. IF YOU MUST WAIT FOR THE FOLLOWING WORKDAY TO CALL B.E.A., LEAVE THE DOOR INOPERABLE UNTIL SATISFACTORY REPAIRS CAN BE MADE. NEVER SACRIFICE THE SAFE OPERATION OF THE AUTOMATIC DOOR OR GATE FOR AN INCOMPLETE SOLUTION.WEB: WWW.BEASENSORS.COM



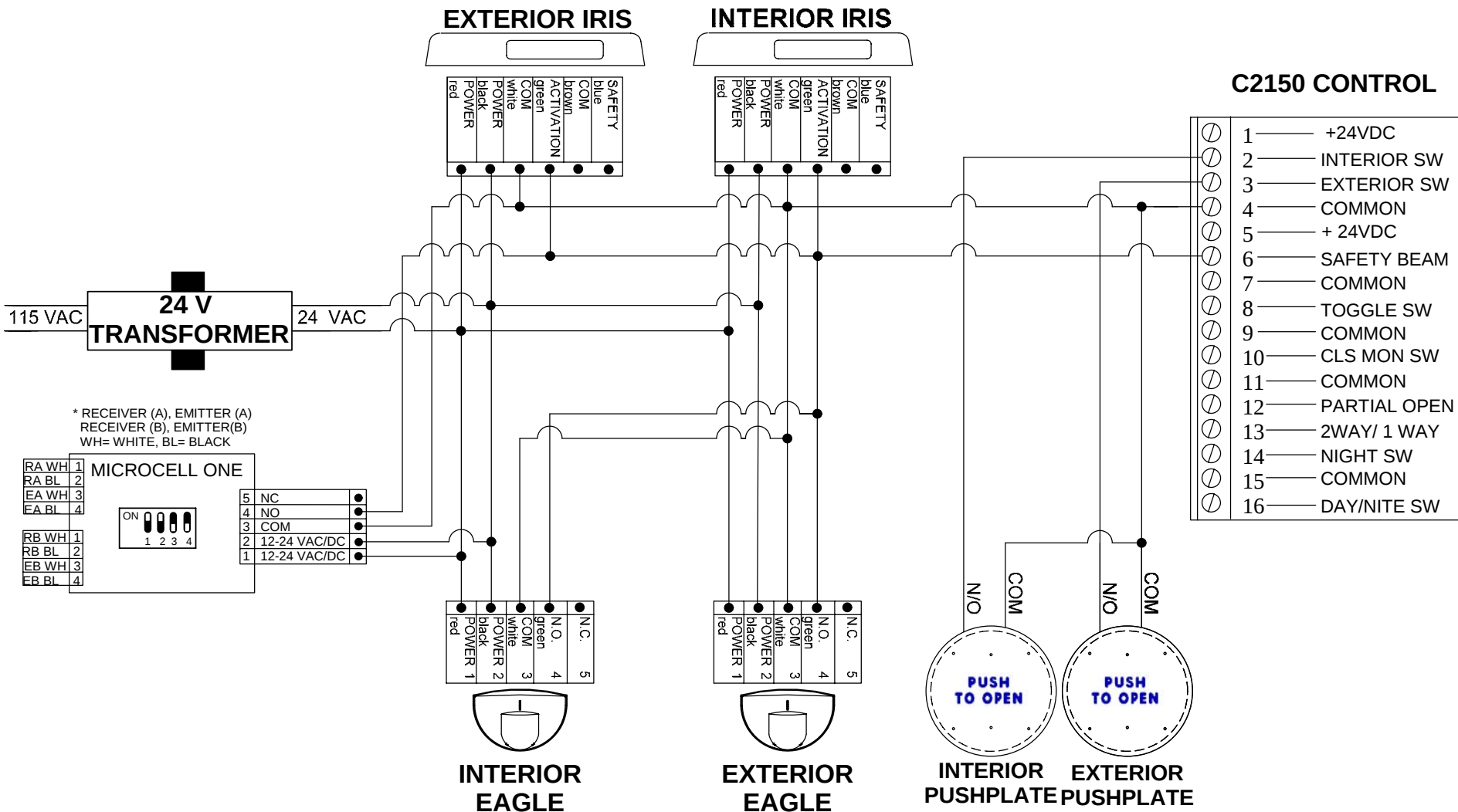
100 ENTERPRISE DRIVE
PITTSBURGH, PA 15275
PHONE: (412) 249-4100
FAX: (412) 249-4101
EMAIL: www.beasensors.com

TITLE: HORTON C4160-2 CONTROL WITH PARALLAX 2 SYSTEM (LO21B/U), SAFETY SIDE SUPERSCN INHIBIT RELAY

SIZE: B	DRAWN BY: KJG	REV BY: TUC	PART NO: 80.0095.02
SCALE: NONE	DATE: 02 OCT 2005	SHEET: 1 OF 1	



IF AFTER TROUBLESHOOTING A PROBLEM, A SATISFACTORY SOLUTION CANNOT BE ACHIEVED, PLEASE CALL B.E.A., INC. FOR FURTHER ASSISTANCE DURING EASTERN STANDARD TIME AT 1-800-523-2462 FROM 8AM - 5PM. FOR AFTER-HOURS, CALL EAST COAST: 1-866-836-1863 OR 1-800-407-4545 / MID-WEST: 1-888-308-8843 / WEST COAST: 1-888-419-2564. DO NOT LEAVE ANY PROBLEM UNRESOLVED. IF YOU MUST WAIT FOR THE FOLLOWING WORKDAY TO CALL B.E.A., LEAVE THE DOOR INOPERABLE UNTIL SATISFACTORY REPAIRS CAN BE MADE. NEVER SACRIFICE THE SAFE OPERATION OF THE AUTOMATIC DOOR OR GATE FOR AN INCOMPLETE SOLUTION.WEB: WWW.BEASENSORS.COM



NOTES: 1) IRISES, EAGLES, AND MICROCELL WILL OPERATE WITH THE 24VAC ON THE C3938 POWER SUPPLY CN3.
2) EAGLES ARE REQUIRED FOR SECONDARY ACTIVATION PER ANSI A156.10

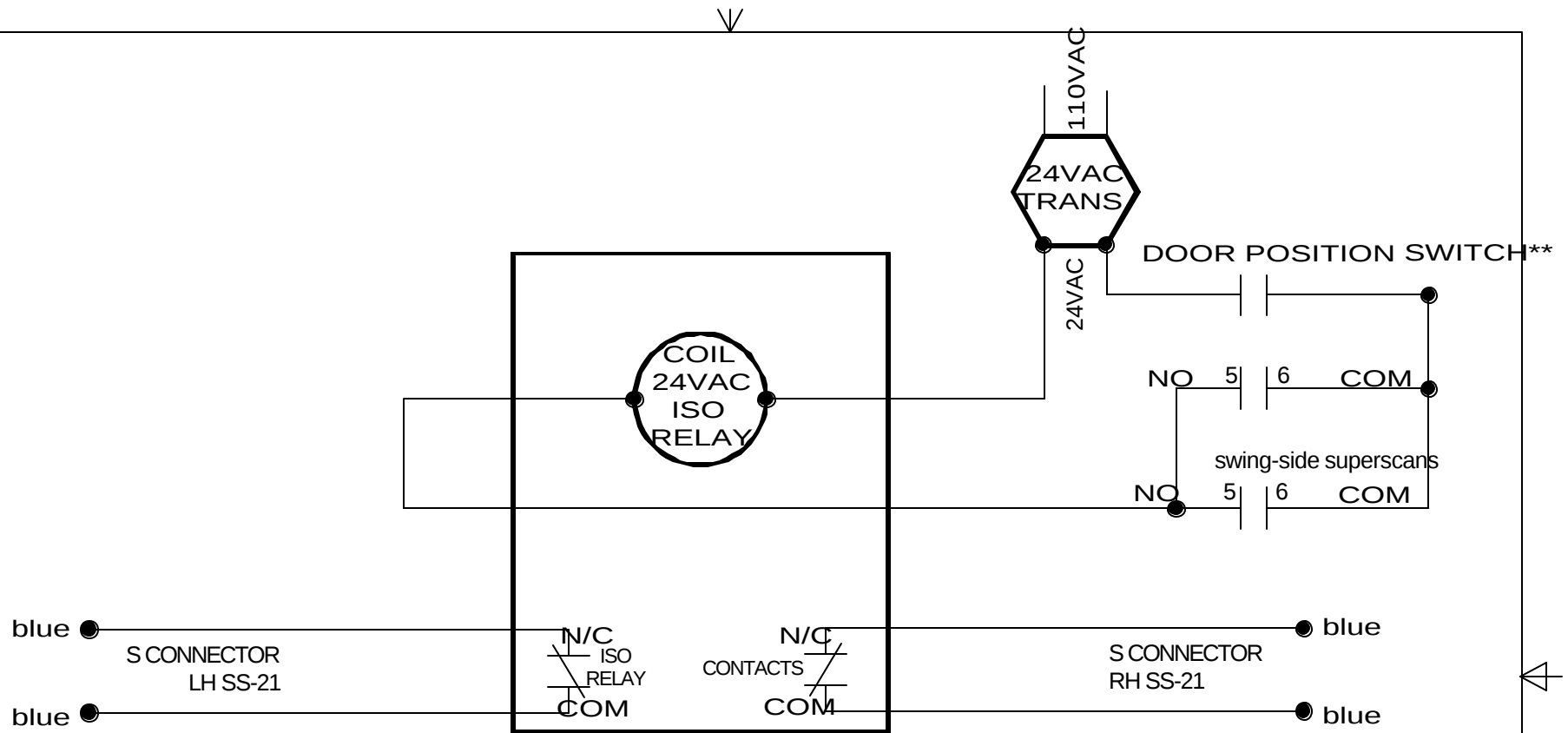
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100 ENTERPRISE DRIVE
PITTSBURGH, PA 15275
PHONE: (412) 249-4100
FAX: (412) 249-4101
EMAIL: www.beasensors.com

TITLE: HORTON C2150 W/KNOWING ACT IRIS, EAGLE

SIZE: A	DRAWN BY: KJG	REV BY: TUC	PART NO: 80.0097.02
	SCALE: NONE	DATE: 13 OCT 2005	SHEET 1 OF 1



** DOOR POSITION SWITCH MUST BE CLOSED UNTIL DOOR REACHES 70 DEGREES OPEN OR ADJUST TO WHERE DESIRED.

HORTON'S SAFETY MODULE IS NOT NECESSARY.

ISO RELAY WILL CONTROL BOTH SS-21 MODULES SIMULTANEOUSLY.

MUST HAVE 2 SS-21'S WITH 2 CONTROL BOXES.



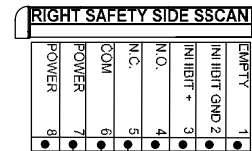
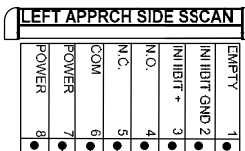
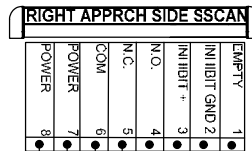
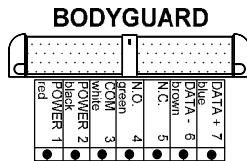
B.E.A., Inc.
100 Enterprise Drive, Pittsburgh, PA 15275
PH: (412) 249-4100 FAX: (412) 249-4101

TITLE: HORTON CONTROL BOX's WITH TWO SS-21'S SIMULTANEOUS PAIRS

SIZE	CAGE CODE	DWG NO	FILE OF:	DRAWN BY:	REV
A		80.0098	ENG'G	JED	01
SCALE	DATE:		SHEET		
NONE	05 JAN 04		1 OF 1		

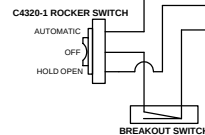


N.C.	5
N.O.	4
green	3
COM	2
white	1
POWER 2	
black	
POWER 1	
red	



SUPERSCAN QUICK-DISCONNECT CABLE

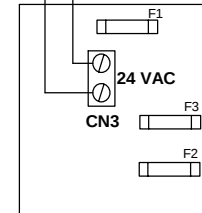
SUPERSCAN QUICK-DISCONNECT CABLE



C4190 CONTROL

- 1 — + 24 VDC
- 2 — ACTUATION
- 3 — COMMON
- 4 — SAFETY
- 5 — TOGGLE
- 6 — COMMON
- 7 — + 24 VDC
- 8 — COMMON
- 9 — STOPNR'SUM
- 10 — STOP-N-SEEK
- 11 — UNLOCK
- 12 — OPEN

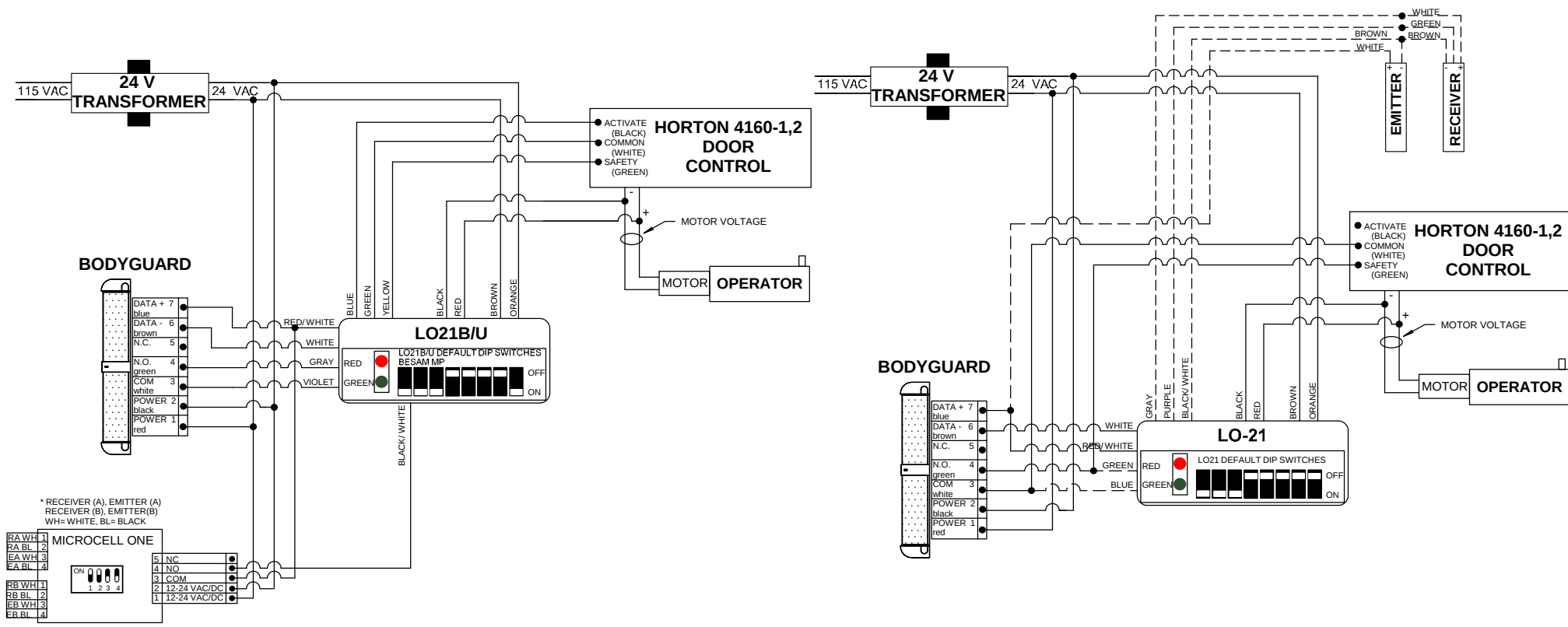
C3938 P/S



NOTES: USE CN3 FOR POWER

IF AFTER TROUBLESHOOTING A PROBLEM, A SATISFACTORY SOLUTION CANNOT BE ACHIEVED, PLEASE CALL B.E.A., INC. FOR FURTHER ASSISTANCE DURING EASTERN STANDARD TIME AT 1-800-523-2462 FROM 8AM - 5PM. FOR AFTER-HOURS, CALL EAST COAST: 1-866-836-1863 OR 1-800-407-4545 / MID-WEST: 1-888-308-8843 / WEST COAST: 1-888-419-2564. DO NOT LEAVE ANY PROBLEM UNRESOLVED. IF YOU MUST WAIT FOR THE FOLLOWING WORKDAY TO CALL B.E.A., LEAVE THE DOOR INOPERABLE UNTIL SATISFACTORY REPAIRS CAN BE MADE. NEVER SACRIFICE THE SAFE OPERATION OF THE AUTOMATIC DOOR OR GATE FOR AN INCOMPLETE SOLUTION.WEB: WWW.BEASENSORS.COM

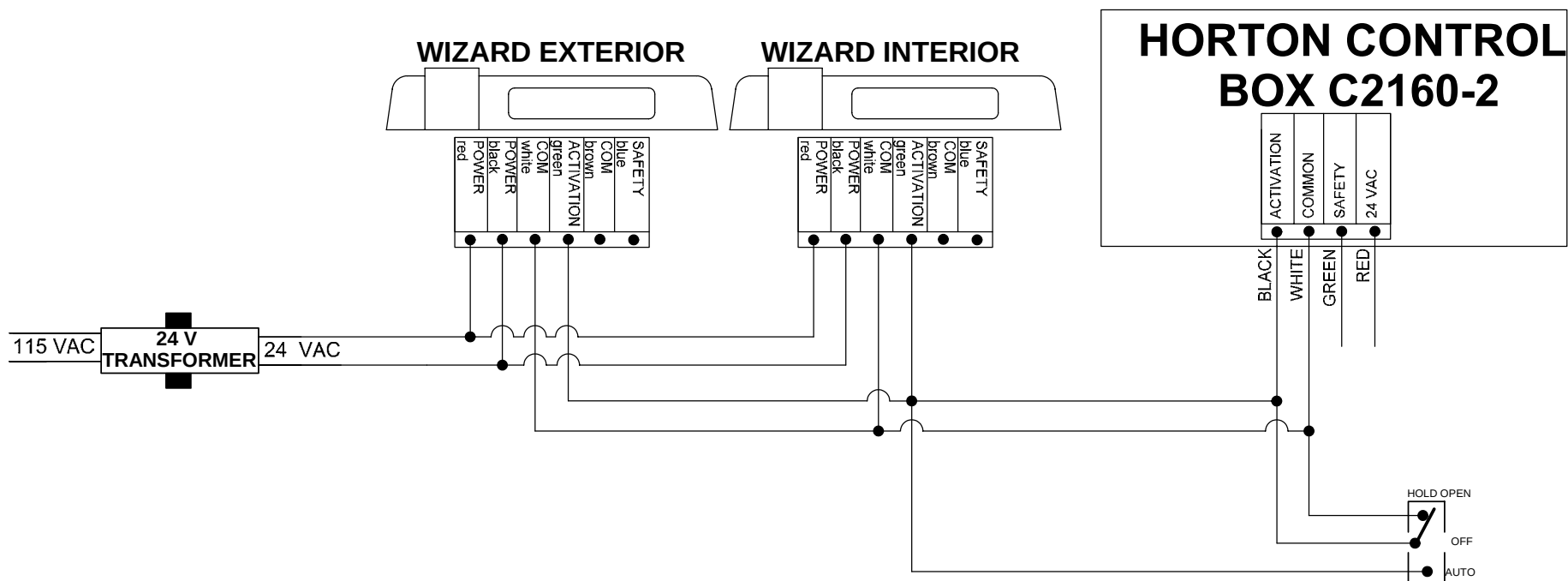
 We open up New Horizons. HALMA GROUP © 2005 BEA S.p.A. & Co. S.p.A.			
100 ENTERPRISE DRIVE PITTSBURGH, PA 15275 PHONE: (412) 249-4100 FAX: (412) 249-4101 EMAIL: www.beasensors.com			
TITLE: HORTON C4190 CONTROL WITH PARALLAX 2 SYSTEM Q-DISCONNECT ON APPROACH SIDE			
SIZE: B	DRAWN BY: KJG	REV BY: TUC	PART NO: 80.0099.02
SCALE: NONE	DATE: 19 OCT 2005	SHEET 1 OF 1	



NOTES: 1) BEA RECOMMENDS USING THE LO-21
 2) LO-21 RED AND BLACK WIRES MUST CONNECT TO THE CORRECT MOTOR POLARITY, RED=POSITIVE, BLACK=NEGATIVE.
 3) WHEN USING DC VOLTAGE, POLARITY MUST BE MAINTAINED AS ORANGE: (-) BROWN: (+)
 4) NOTE REF LO21: CONNECT THE DASHED LINES
 GREEN,BLUE,BLACK/WHITE,PURPLE, & GRAY IF SBK BEAMS ARE USED. IF DRY CONTACT BEAMS (MICROCELL BEAMS)
 ARE USED CONNECT MICROCELL COM. & N.O. TO PURPLE & GRAY RESPECTIVLEY, THEN BLUE & GREEN TO DOOR CONTROL COM. & SAFETY RESPECTIVLEY.

IF AFTER TROUBLESHOOTING A PROBLEM, A SATISFACTORY SOLUTION CANNOT BE ACHIEVED, PLEASE CALL B.E.A., INC. FOR FURTHER ASSISTANCE DURING EASTERN STANDARD TIME AT 1-800-523-2462 FROM 8AM - 5PM. FOR AFTER-HOURS, CALL EAST COAST: 1-866-836-1863 OR 1-800-407-4545 / MID-WEST: 1-888-308-8843 / WEST COAST: 1-888-419-2564. DO NOT LEAVE ANY PROBLEM UNRESOLVED. IF YOU MUST WAIT FOR THE FOLLOWING WORKDAY TO CALL B.E.A., LEAVE THE DOOR INOPERABLE UNTIL SATISFACTORY REPAIRS CAN BE MADE. NEVER SACRIFICE THE SAFE OPERATION OF THE AUTOMATIC DOOR OR GATE FOR AN INCOMPLETE SOLUTION.WEB: WWW.BEASENSORS.COM

		100 ENTERPRISE DRIVE PITTSBURGH, PA 15275 PHONE: (412) 249-4100 FAX: (412) 249-4101 EMAIL: www.beasensors.com	
TITLE: HORTON 4160-1, 2 CONTROL with LO-21, LO21U, BODYGUARD			
SIZE: B	DRAWN BY: KJG	REV BY: TUC	PART NO: 80.0100.03
SCALE: NONE	DATE: 11/01/07	SHEET 1 OF 1	



NOTES: 1) REDIRECT WIZARD RELAY MODE WITH REMOTE BY SELECTING F1 THEN 1,LOCK,LOCK.

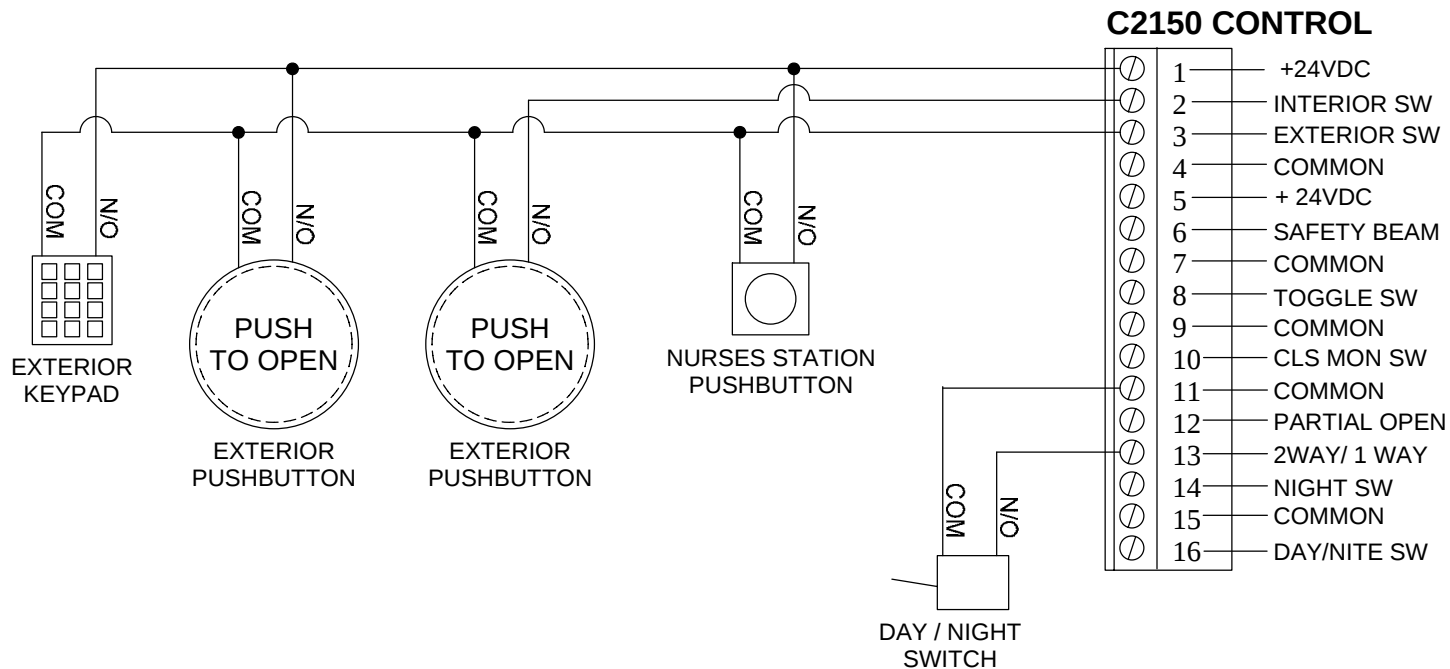
IF AFTER TROUBLESHOOTING A PROBLEM, A SATISFACTORY SOLUTION CANNOT BE ACHIEVED, PLEASE CALL B.E.A., INC. FOR FURTHER ASSISTANCE DURING EASTERN STANDARD TIME AT 1-800-523-2462 FROM 8AM - 5PM. FOR AFTER-HOURS, CALL EAST COAST: 1-866-836-1863 OR 1-800-407-4545 / MID-WEST: 1-888-308-8843 / WEST COAST: 1-888-419-2564. DO NOT LEAVE ANY PROBLEM UNRESOLVED. IF YOU MUST WAIT FOR THE FOLLOWING WORKDAY TO CALL B.E.A., LEAVE THE DOOR INOPERABLE UNTIL SATISFACTORY REPAIRS CAN BE MADE. NEVER SACRIFICE THE SAFE OPERATION OF THE AUTOMATIC DOOR OR GATE FOR AN INCOMPLETE SOLUTION.WEB: WWW.BEASENSORS.COM



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PITTSBURGH, PA 15275
PHONE: (412) 249-4100
FAX: (412) 249-4101
EMAIL: www.beasensors.com

TITLE: HORTON C2160-2 WITH WIZARD II

SIZE:	DRAWN BY:	REV BY:	PART NO:
A	KJG	TUC	80.0101.05
	SCALE:	DATE:	SHEET
	NONE	20 MAR 2006	1 OF 1



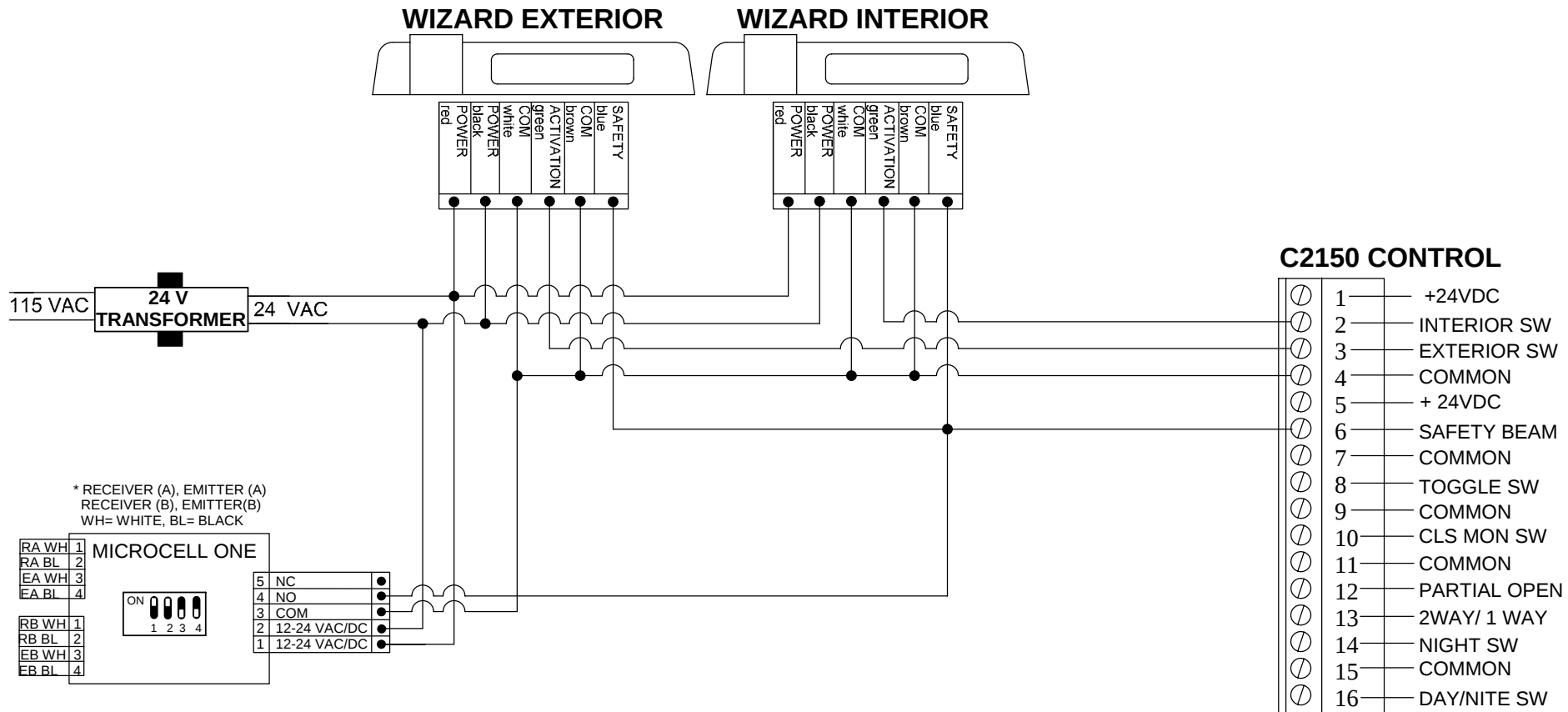
IF AFTER TROUBLESHOOTING A PROBLEM, A SATISFACTORY SOLUTION CANNOT BE ACHIEVED, PLEASE CALL B.E.A., INC. FOR FURTHER ASSISTANCE DURING EASTERN STANDARD TIME AT 1-800-523-2462 FROM 8AM - 5PM. FOR AFTER-HOURS, CALL EAST COAST: 1-866-836-1863 OR 1-800-407-4545 / MID-WEST: 1-888-308-8843 / WEST COAST: 1-888-419-2564. DO NOT LEAVE ANY PROBLEM UNRESOLVED. IF YOU MUST WAIT FOR THE FOLLOWING WORKDAY TO CALL B.E.A., LEAVE THE DOOR INOPERABLE UNTIL SATISFACTORY REPAIRS CAN BE MADE. NEVER SACRIFICE THE SAFE OPERATION OF THE AUTOMATIC DOOR OR GATE FOR AN INCOMPLETE SOLUTION.WEB: WWW.BEASENSORS.COM



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PITTSBURGH, PA 15275
PHONE: (412) 249-4100
FAX: (412) 249-4101
EMAIL: www.beasensors.com

TITLE: HORTON 2150 MICRO-PROCESSOR WITH NURSES STATION/ CARD READER

SIZE: A	DRAWN BY: KJG	REV BY: TUC	PART NO: 80.0104.02
	SCALE: NONE	DATE: 19 OCT 2005	SHEET 1 OF 1



NOTE: 1) WIZARDS AND MICROCELL 1 WILL OPERATE WITH THE 24 VAC ON THE C3925 POWER SUPPLY.

IF AFTER TROUBLESHOOTING A PROBLEM, A SATISFACTORY SOLUTION CANNOT BE ACHIEVED, PLEASE CALL B.E.A., INC. FOR FURTHER ASSISTANCE DURING EASTERN STANDARD TIME AT 1-800-523-2462 FROM 8AM - 5PM. FOR AFTER-HOURS, CALL EAST COAST: 1-866-836-1863 OR 1-800-407-4545 / MID-WEST: 1-888-308-8843 / WEST COAST: 1-888-419-2564. DO NOT LEAVE ANY PROBLEM UNRESOLVED. IF YOU MUST WAIT FOR THE FOLLOWING WORKDAY TO CALL B.E.A., LEAVE THE DOOR INOPERABLE UNTIL SATISFACTORY REPAIRS CAN BE MADE. NEVER SACRIFICE THE SAFE OPERATION OF THE AUTOMATIC DOOR OR GATE FOR AN INCOMPLETE SOLUTION.WEB: WWW.BEASENSORS.COM

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A
HALMA GROUP
COMPANY

100 ENTERPRISE DRIVE
PITTSBURGH, PA 15275
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FAX: (412) 249-4101
EMAIL: www.beasensors.com

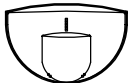
**TITLE: HORTON C2150 CONTROL
BOX WITH WIZARD SYSTEM,
MICROCELL 1**

SIZE: A	DRAWN BY: KJG	REV BY: KJG	PART NO: 80.0105.03
	SCALE: NONE	DATE: 18 OCT 2005	SHEET 1 OF 1

BODYGUARD

DATA + 7
blue
DATA - 6
brown
N.C. 5
N.O. 4
green
COM 3
white
POWER 2
black
POWER 1
red

EAGLE



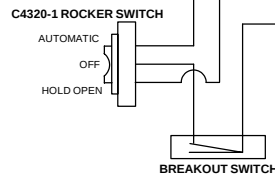
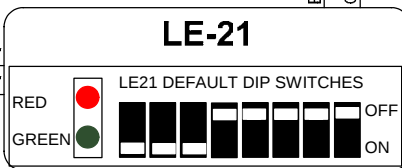
N.C. 5
N.O. 4
green
COM 3
white
POWER 2
black
POWER 1
red

DOOR POSITION SWITCH



CLOSED CONTACT WHEN DOOR IS CLOSED

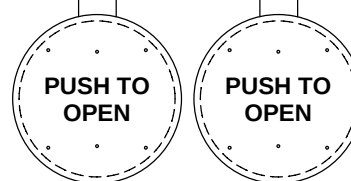
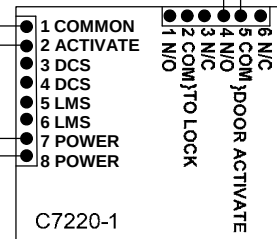
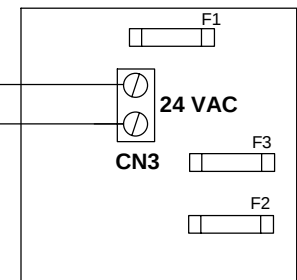
LE-21



C4190 CONTROL

1 — + 24 VDC
2 — ACTUATION
3 — COMMON
4 — SAFETY
5 — TOGGLE
6 — COMMON
7 — + 24 VDC
8 — COMMON
9 — STOPNR'SUM
10 — STOP-N-SEEK
11 — UNLOCK
12 — OPEN

C3938 P/S

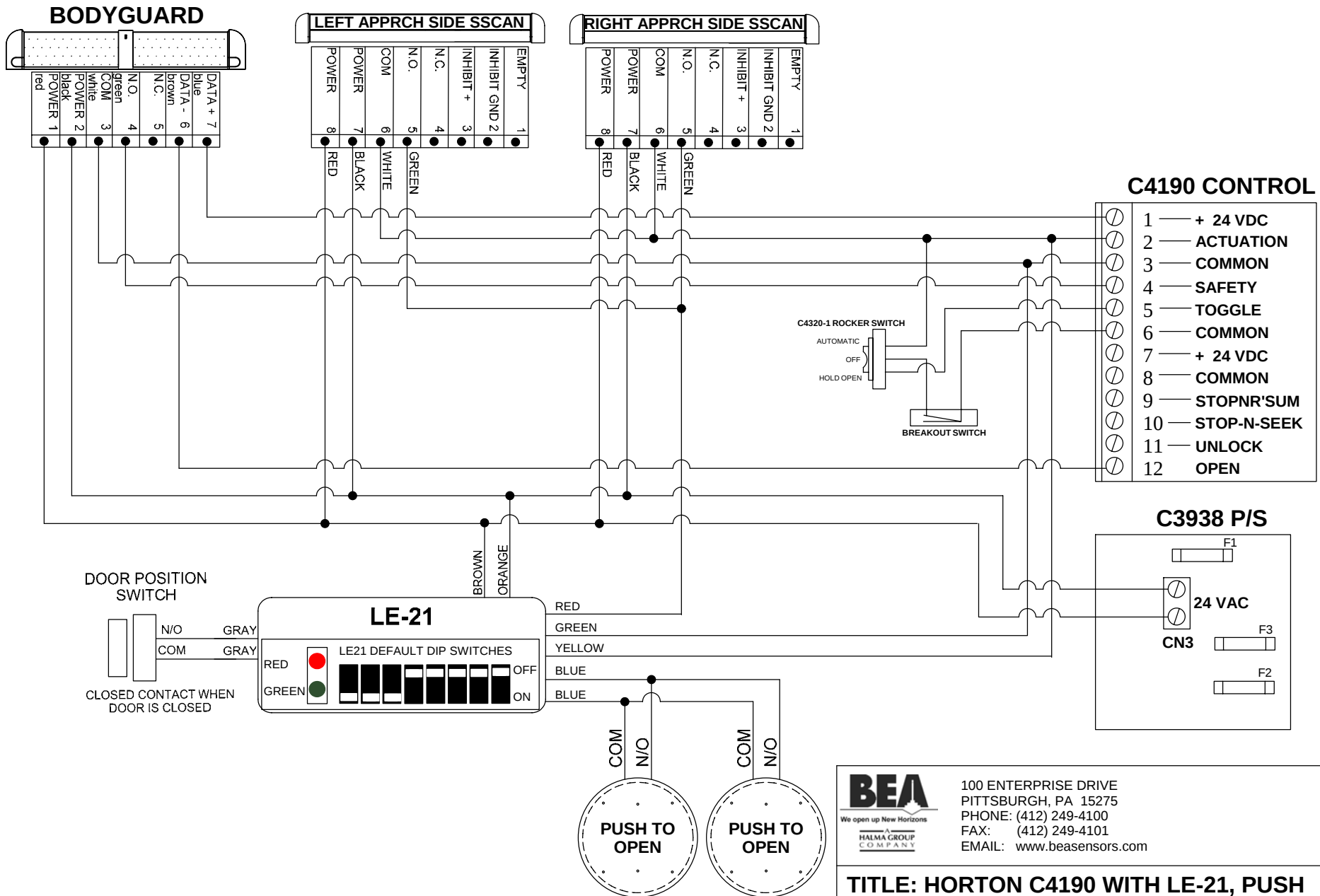


100 ENTERPRISE DRIVE
PITTSBURGH, PA 15275
PHONE: (412) 249-4100
FAX: (412) 249-4101
EMAIL: www.beasensors.com

TITLE: HORTON C4190 CONTROL WITH C7220, LE-21, BODYGUARD, EAGLE

IF AFTER TROUBLESHOOTING A PROBLEM, A SATISFACTORY SOLUTION CANNOT BE ACHIEVED, PLEASE CALL B.E.A., INC. FOR FURTHER ASSISTANCE DURING EASTERN STANDARD TIME AT 1-800-523-2462 FROM 8AM - 5PM. FOR AFTER-HOURS, CALL EAST COAST: 1-866-836-1863 OR 1-800-407-4545 / MID-WEST: 1-888-308-8843 / WEST COAST: 1-888-419-2564. DO NOT LEAVE ANY PROBLEM UNRESOLVED. IF YOU MUST WAIT FOR THE FOLLOWING WORKDAY TO CALL B.E.A., LEAVE THE DOOR INOPERABLE UNTIL SATISFACTORY REPAIRS CAN BE MADE. NEVER SACRIFICE THE SAFE OPERATION OF THE AUTOMATIC DOOR OR GATE FOR AN INCOMPLETE SOLUTION.WEB: WWW.BEASENSORS.COM

SIZE: A	DRAWN BY: KJG	REV BY: KJG	PART NO: 80.0146.02
	SCALE: NONE	DATE: 15 NOV 2005	SHEET 1 OF 1



IF AFTER TROUBLESHOOTING A PROBLEM, A SATISFACTORY SOLUTION CANNOT BE ACHIEVED, PLEASE CALL B.E.A., INC. FOR FURTHER ASSISTANCE DURING EASTERN STANDARD TIME AT 1-800-523-2462 FROM 8AM - 5PM. FOR AFTER-HOURS, CALL EAST COAST: 1-866-836-1863 OR 1-800-407-4545 / MID-WEST: 1-888-308-8843 / WEST COAST: 1-888-419-2564. DO NOT LEAVE ANY PROBLEM UNRESOLVED. IF YOU MUST WAIT FOR THE FOLLOWING WORKDAY TO CALL B.E.A., LEAVE THE DOOR INOPERABLE UNTIL SATISFACTORY REPAIRS CAN BE MADE. NEVER SACRIFICE THE SAFE OPERATION OF THE AUTOMATIC DOOR OR GATE FOR AN INCOMPLETE SOLUTION.WEB: WWW.BEASENSORS.COM



100 ENTERPRISE DRIVE
PITTSBURGH, PA 15275
PHONE: (412) 249-4100
FAX: (412) 249-4101
EMAIL: www.beasensors.com

TITLE: HORTON C4190 WITH LE-21, PUSH PLATES, BODYGUARD, SUPERSCAN

SIZE: A	DRAWN BY: KJG	REV BY: JDC	PART NO: 80.0157.02
	SCALE: NONE	DATE: 20 MARCH 2006	SHEET 1 OF 1

BODYGUARD



DK-12



DATA +	7
DATA -	6
N.C.	5
N.O.	4
COM	3
POWER 2	2
POWER 1	1

C4320-1 ROCKER SWITCH

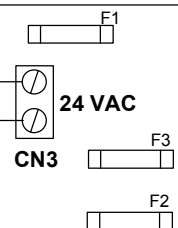
AUTOMATIC
OFF
HOLD OPEN

BREAKOUT SWITCH

C4190 CONTROL

1	+ 24 VDC
2	ACTUATION
3	COMMON
4	SAFETY
5	TOGGLE
6	COMMON
7	+ 24 VDC
8	COMMON
9	STOPNR'SUM
10	STOP-N-SEEK
11	UNLOCK
12	OPEN

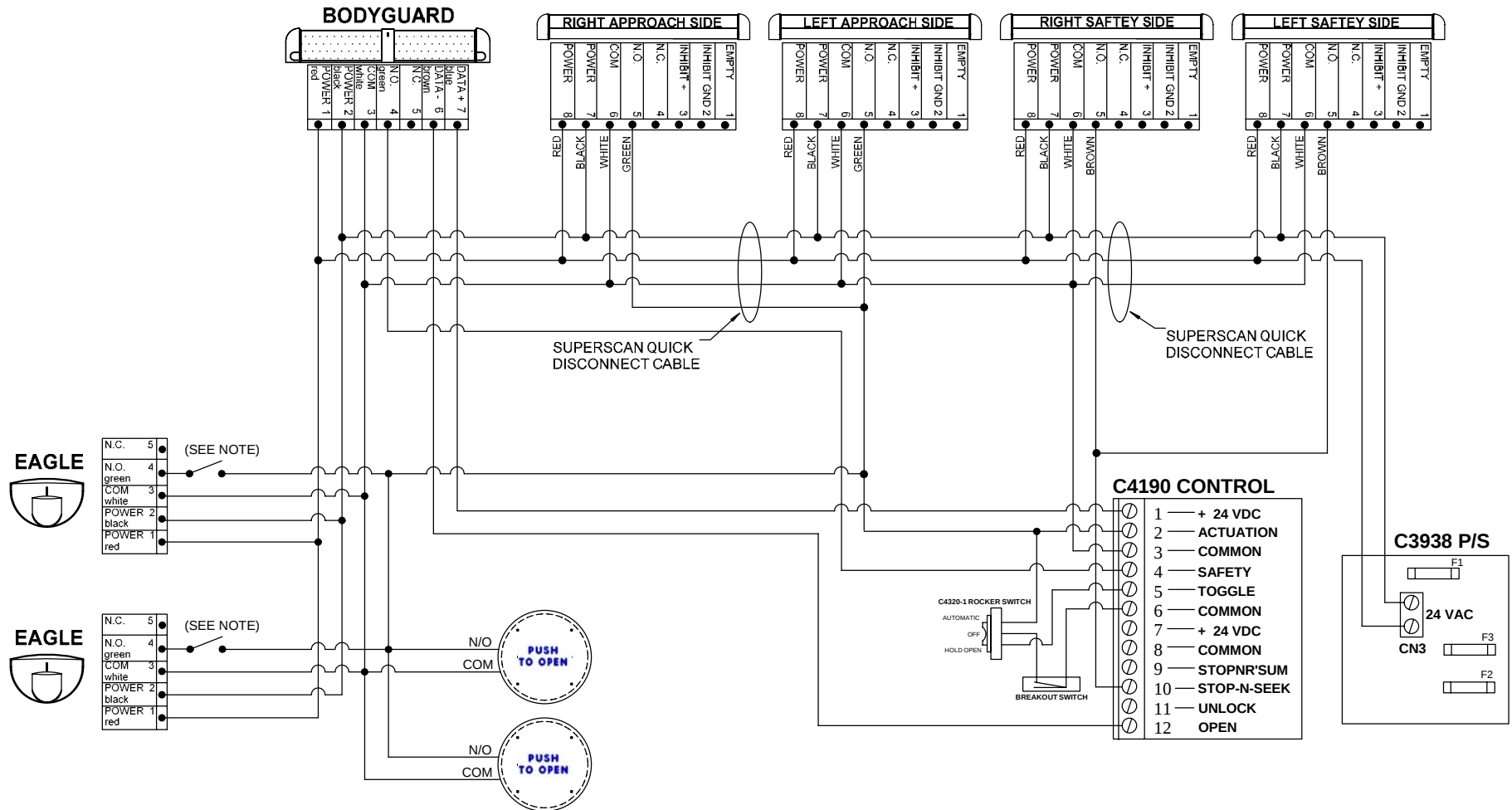
C3938 P/S



B.E.A., Inc.
100 Enterprise Drive Pittsburgh, PA 15275
PH: (412) 249-4100 FAX: (412) 249-4101
www.beasensors.com

**TITLE: HORTON C4190, C3938 WITH
BODYGUARD / DK12**

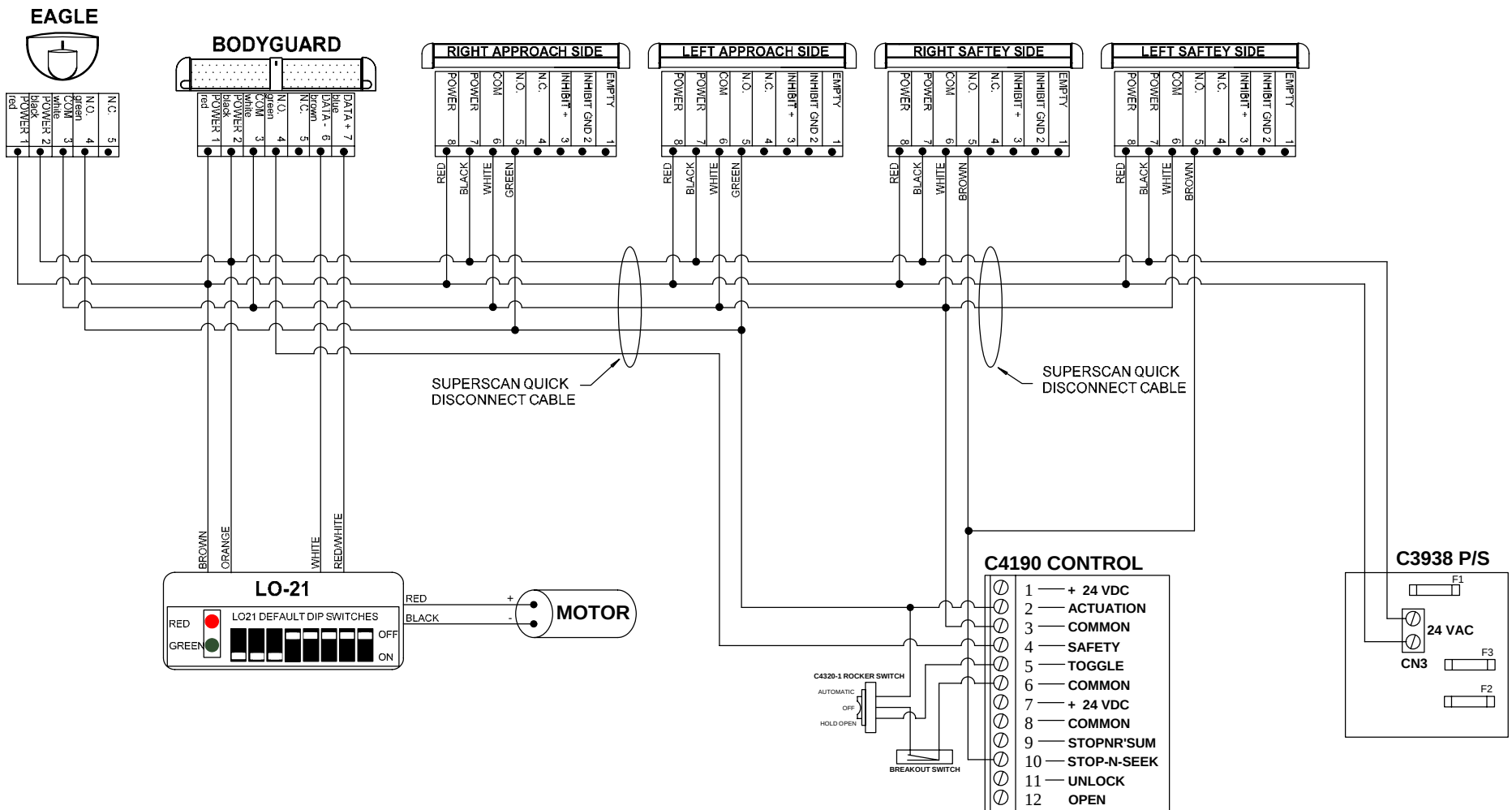
SIZE: A	CAGE CODE:	DWG NO: 80.0160	FILE OF: ENG'G	DRAWN BY: JED	REV: 01
SCALE: NONE	DATE: 06 JAN 04	SHEET: 1 OF 1			



NOTE: SWITCH MUST OPEN 10 DEGREES FROM DOOR CLOSING

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BEA We open up New Horizons HANNA GROUP COMPANY			
100 ENTERPRISE DRIVE PITTSBURGH, PA 15275 PHONE: (412) 249-4100 FAX: (412) 249-4101 EMAIL: www.beasensors.com			
TITLE: HORTON C4190 CONTROL WITH KNOWING ACT SYSTEM Q-DISCONNECT ON APPROACH			
SIZE: B	DRAWN BY: TUC	REV BY: TUC	PART NO: 80.0205.01
SCALE: NONE	DATE: 10 NOV 2005	SHEET 1 OF 1	

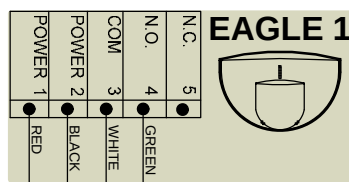
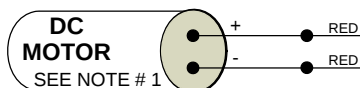


- NOTES: 1) CAP OFF REMAINING UNUSED WIRES ON LO21.
 2) LO21 DIP SWITCHES 1-5 FOR LOCKOUT TIME., #6,7,8, NOT USED.
 3) OPTION: CONNECT LO21 MOTOR LEAD RED TO TERMINAL 1 AND BLACK TO TERMINAL 12.

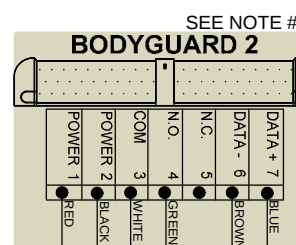
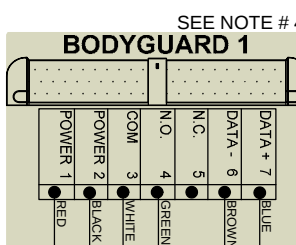
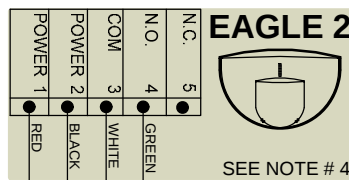
IF AFTER TROUBLESHOOTING A PROBLEM, A SATISFACTORY SOLUTION CANNOT BE ACHIEVED, PLEASE CALL B.E.A., INC. FOR FURTHER ASSISTANCE DURING EASTERN STANDARD TIME AT 1-800-523-2462 FROM 8AM - 5PM. FOR AFTER-HOURS, CALL EAST COAST: 1-866-836-1863 OR 1-800-407-4545 / MID-WEST: 1-888-308-8843 / WEST COAST: 1-888-419-2564. DO NOT LEAVE ANY PROBLEM UNRESOLVED. IF YOU MUST WAIT FOR THE FOLLOWING WORKDAY TO CALL B.E.A., LEAVE THE DOOR INOPERABLE UNTIL SATISFACTORY REPAIRS CAN BE MADE. NEVER SACRIFICE THE SAFE OPERATION OF THE AUTOMATIC DOOR OR GATE FOR AN INCOMPLETE SOLUTION.WEB: WWW.BEASensors.COM

BEA We open up New Horizons PARALLAX GROUP COMPANY			
100 ENTERPRISE DRIVE PITTSBURGH, PA 15275 PHONE: (412) 249-4100 FAX: (412) 249-4101 EMAIL: www.beasensors.com			
TITLE: HORTON C4190 CONTROL WITH PARALLAX 2 SYSTEM, LO21 Q-DISCONNECT ON APPROACH SIDE			
SIZE: B	DRAWN BY: TUC	REV BY: TUC	PART NO: 80.0208.01
SCALE: NONE	DATE: 19 OCT 2005	SHEET: 1 OF 1	

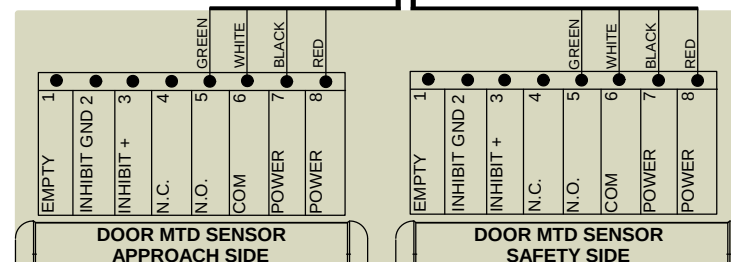
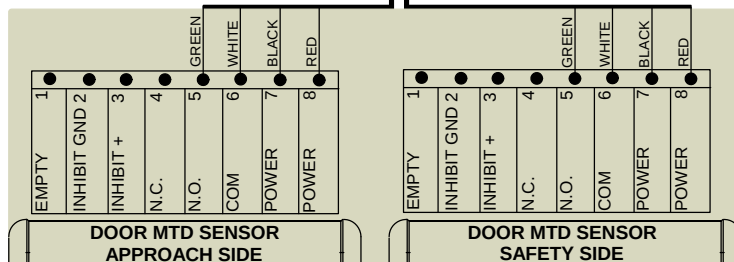
LO-LINX SWING	GREEN ACT.	WHITE COM.	YELLOW SAF.	BLUE STALL	BROWN STAL COM.
BESAM 300	13	12	11	15, 17	16, 18
BESAM M/P	3	4	9	5	13
DOM	YELLOW	GREY	BLUE	PURPLE	GREY
GT 300/400	BLACK	RED	WHITE	WHITE	RED
GT MAG	6 BLACK	5 RED	4 WHITE	3 VIOLET	5 RED
HORTON 4190	2	3, 6, 8	4	10	3, 6, 8
HUNTER	ACT.	RTN	SAF. 1	SAF. 2	RTN
KM K	GREEN	WHITE	RED	YELLOW	WHITE
STANLEY "L"	ORANGE	YELLOW	RED	BLUE	YELLOW
STANLEY M/P	2	18	7	7	18
STANLEY 521	TB4-5	TB4-4	TB4-8	TB4-10	TB4-9
TORMAX TDA	2	1, 3, 6, 8	8 & 9	7	1, 3, 6, 8



LO-LINX EAGLE HARNESS p/n: 20.5096

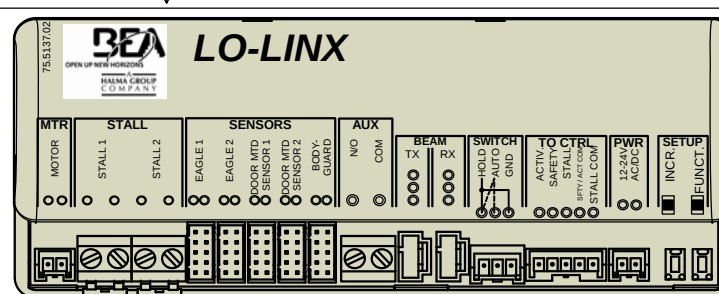


LO-LINX SUPERSCAN HARNESS
p/n: 70.5071



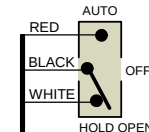
- NOTES:
1. MOTOR CONNECTION IS TIED IN PARALLEL TO EXISTING MOTOR LEADS. NO RESPECT TO PALARITY IS REQUIRED.
 2. EXTERNAL SWITCH IS REQUIRED IF INHIBIT DESIRED AT SWING SIDE SUPERSCAN, SWITCH OPENS UPON INHIBIT POINT.
 3. THE KNOWING ACT SWITCH IS CONNECTED AT THE AUX INPUT AND CAN BE ANY DRY CONTACT DEVICE SUCH AS A PUSHPLATE, CARD READER, ETC. THE AUX INPUT IS REQUIRED FOR ALL INITIAL ACTIVATION WHEN FUNCTION "FA" ON THE LO-LINX IS SET TO '01'.
 4. THE SECOND BODYGUARD AND EAGLE ARE PRIMARILY USED IN DUAL-EGRESS APPLICATIONS. IF A SECOND BODYGUARD IS REQUIRED, USE A "Y" HARNESS (20.5083). ENSURE BODYGUARD RELAY VALUE IS SET TO 2.
 5. INSERT JUMPER INTO 5 & 6.

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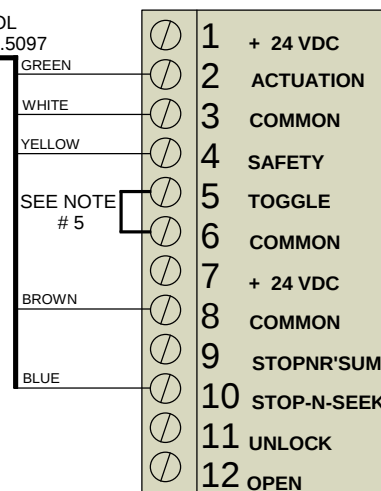
LO-LINX POWER HARNESS p/n: 20.5095

Pre-wired switch assembly



LO-LINX SWITCH HARNESS p/n: 20.5078

LO-LINX CONTROL HARNESS p/n: 20.5097



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PITTSBURGH, PA 15275
PHONE: (412) 249-4100
FAX: (412) 249-4101
EMAIL: www.beasensors.com

TITLE: HORTON 4190 LO-LINX SYSTEM

SIZE:	DRAWN BY:	REV BY:	PART NO:
A	JED	TUC	80.0284.00
SCALE:	DATE:	SHEET	
NONE	10/15/2007	1 OF 1	