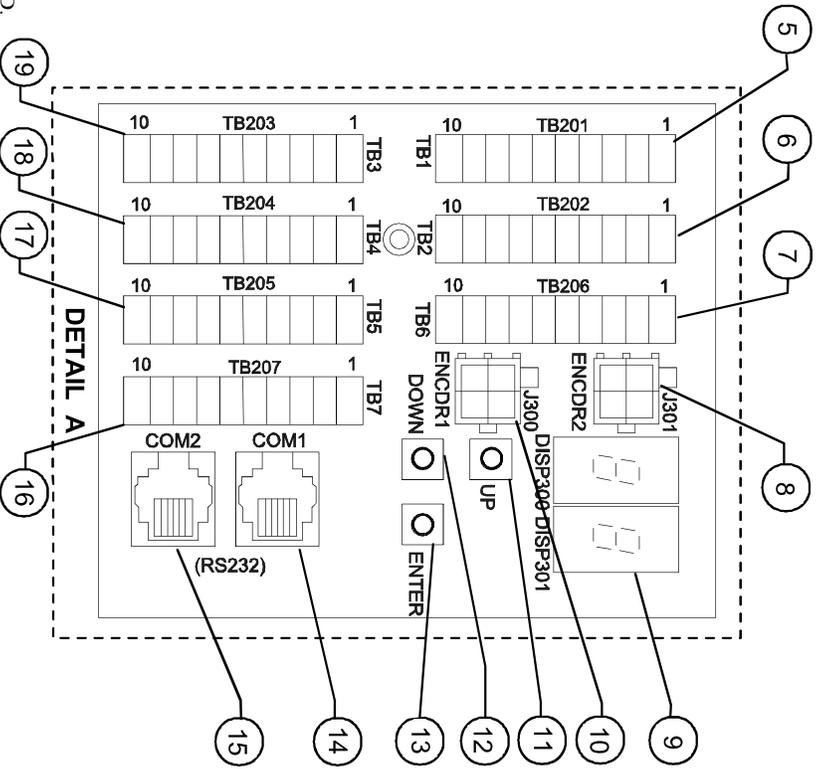
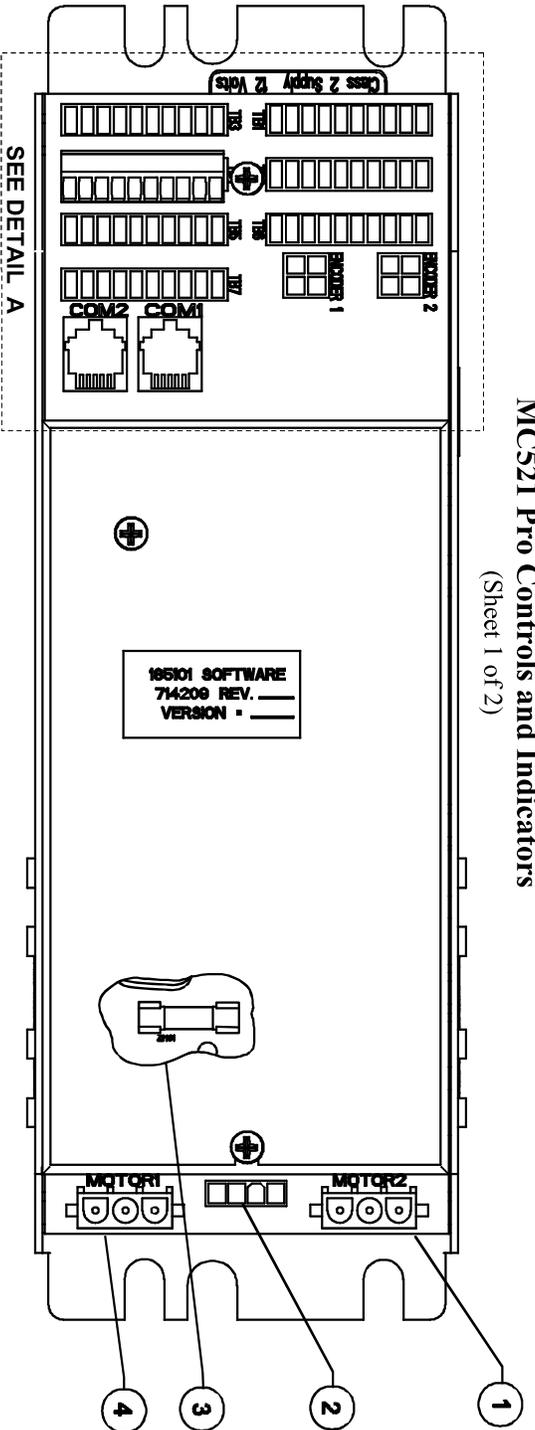


Attachment 1

MC521 Pro Controls and Indicators

(Sheet 1 of 2)



Note: See next page for indicators and descriptions

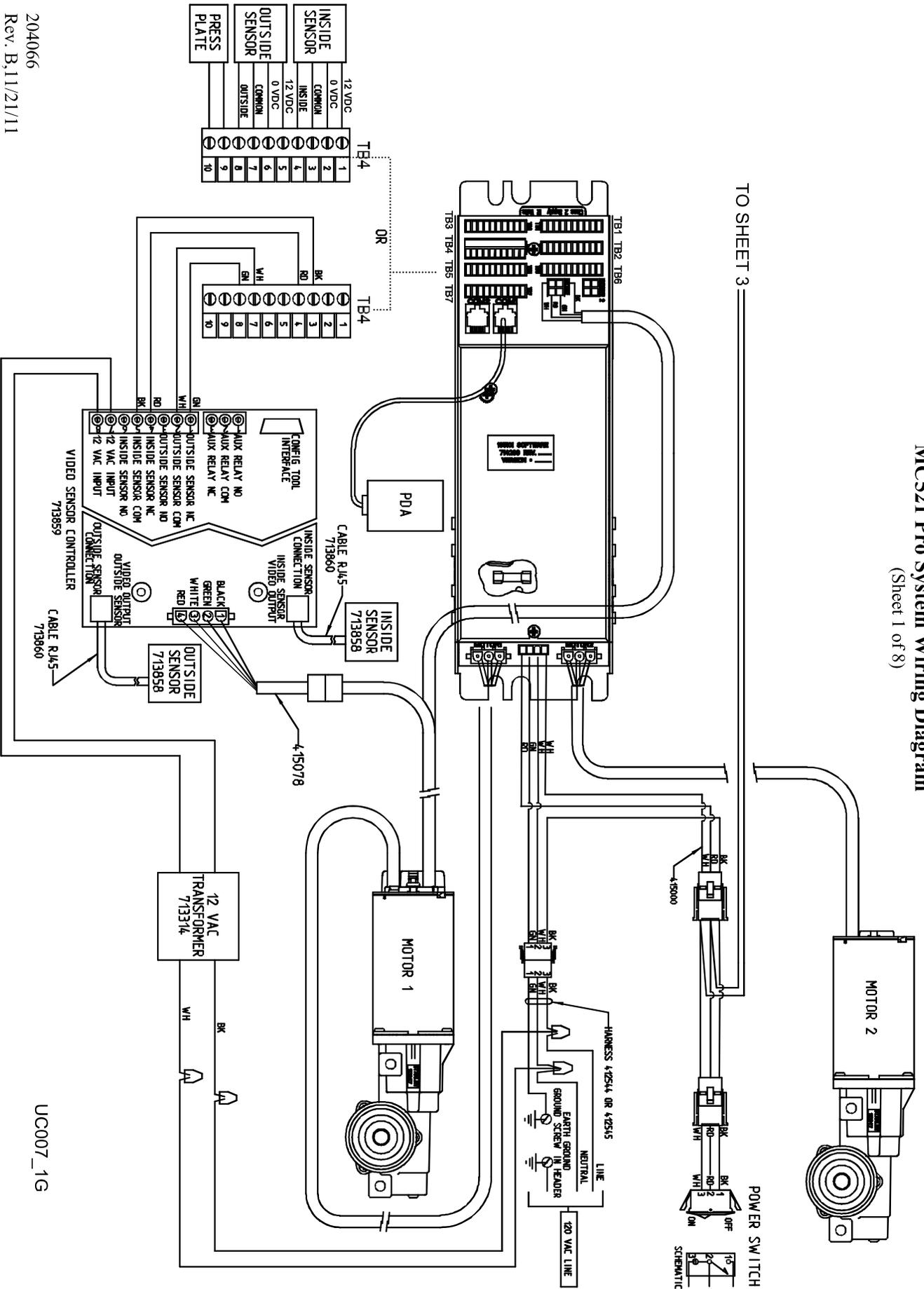
Attachment 1
MC521 Pro Controls and Indicators
(Sheet 2 of 2)

ITEM	CONTROL/ INDICATOR	DESCRIPTION
1	Motor 2 Connector P402	Motor No. 2 connector.
2	Power Connector J500	Connection point for incoming line, neutral, and common power wiring.
3	Fuse F500	Controller fuse-- 5 Amp, 250V
4	Motor 1 Connector P401	Motor No. 1 connector.
5	Terminal Block Connector TB1	Connection point for door cycle counter and solenoid lock control.
6	Terminal Block Connector TB2	Connection point for function switch (rotary or rocker).
7	Terminal Block Connector TB6	Includes spare I/O and AUX DC supply. Do not populate TB6 until further notice.
8	Encoder 2 Connector J301	Not used.
9	Two Digit Display	Displays Controller Status. Also serves as the display for tune-in by pushbutton switches and indicates encoder movement.
10	Encoder 1 Connector J300	Connection point for motor encoder No. 1.
11	Up Pushbutton Switch SW300	Used manual setup and tuning of door when PDA is not available.
12	Down Pushbutton Switch SW301	Used for manual setup and tuning of door when PDA is not available.
13	Enter Pushbutton Switch SW302	Used for manual setup and tuning of door when PDA is not available.
14	COM1 Jack	RS232 COM1 connector. Connection point for PDA harness.
15	COM2 Jack	RS232 COM2 connector. Not used.
16	Terminal Block Connector TB7	Includes RS485 and AUX DC supply. Do not populate TB7 until further notice.
17	Terminal Block Connector TB5	Connection point for side-screen sensor and closed-position switch.
18	Terminal Block Connector TB4	Connection point for inside sensor, outside sensor and push plate.
19	Terminal Block Connector TB3	Connection point for Stanguard, doorway holding beam, and breakout switch. Using jumper wires across TB3 terminals 1 to 5 and 2 to 6, internal transformer supplies power to multiple external sensors.

Attachment 2

MC521 Pro System Wiring Diagram

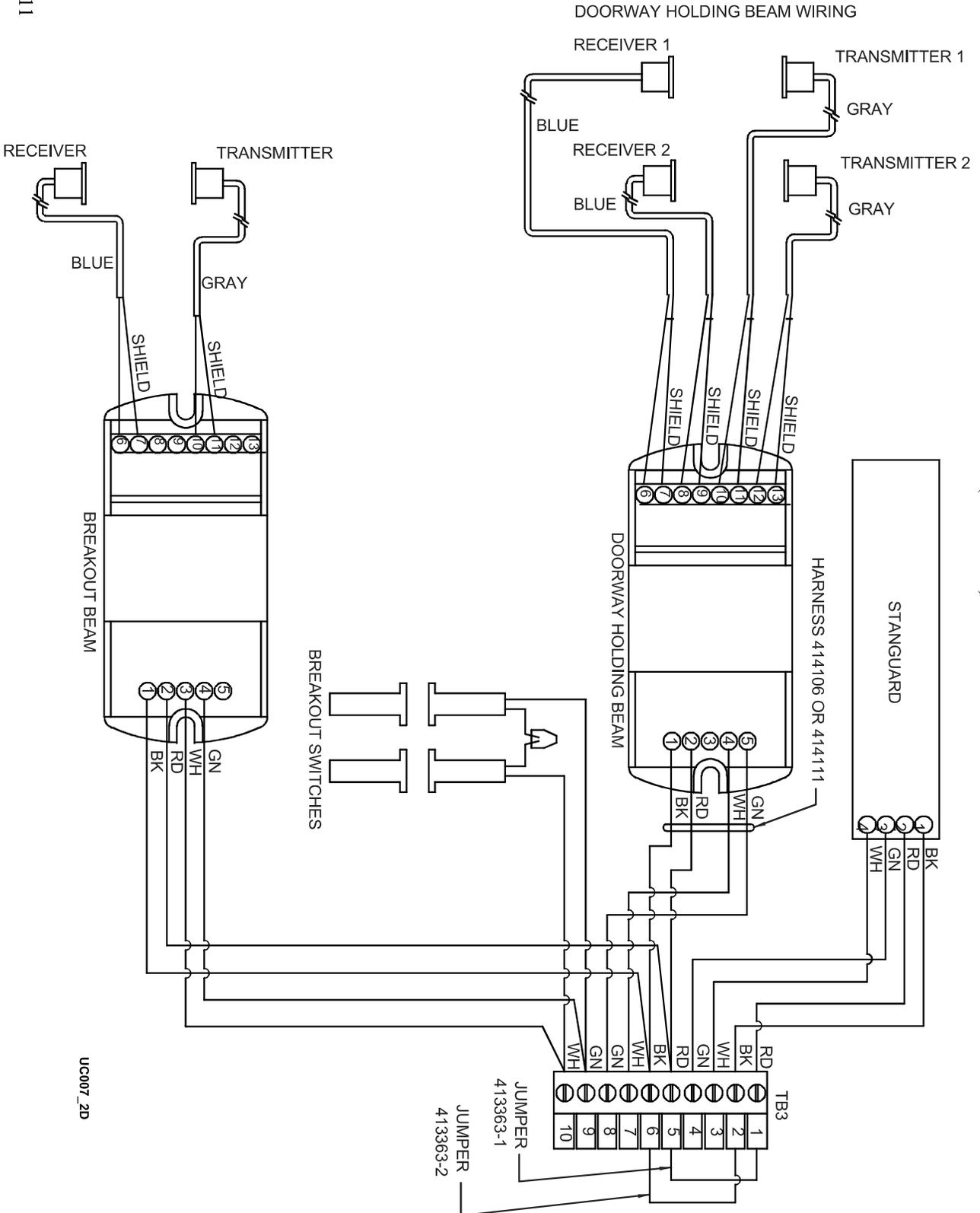
(Sheet 1 of 8)



Attachment 2

MC521 Pro System Wiring Diagram

(Sheet 2 of 8)

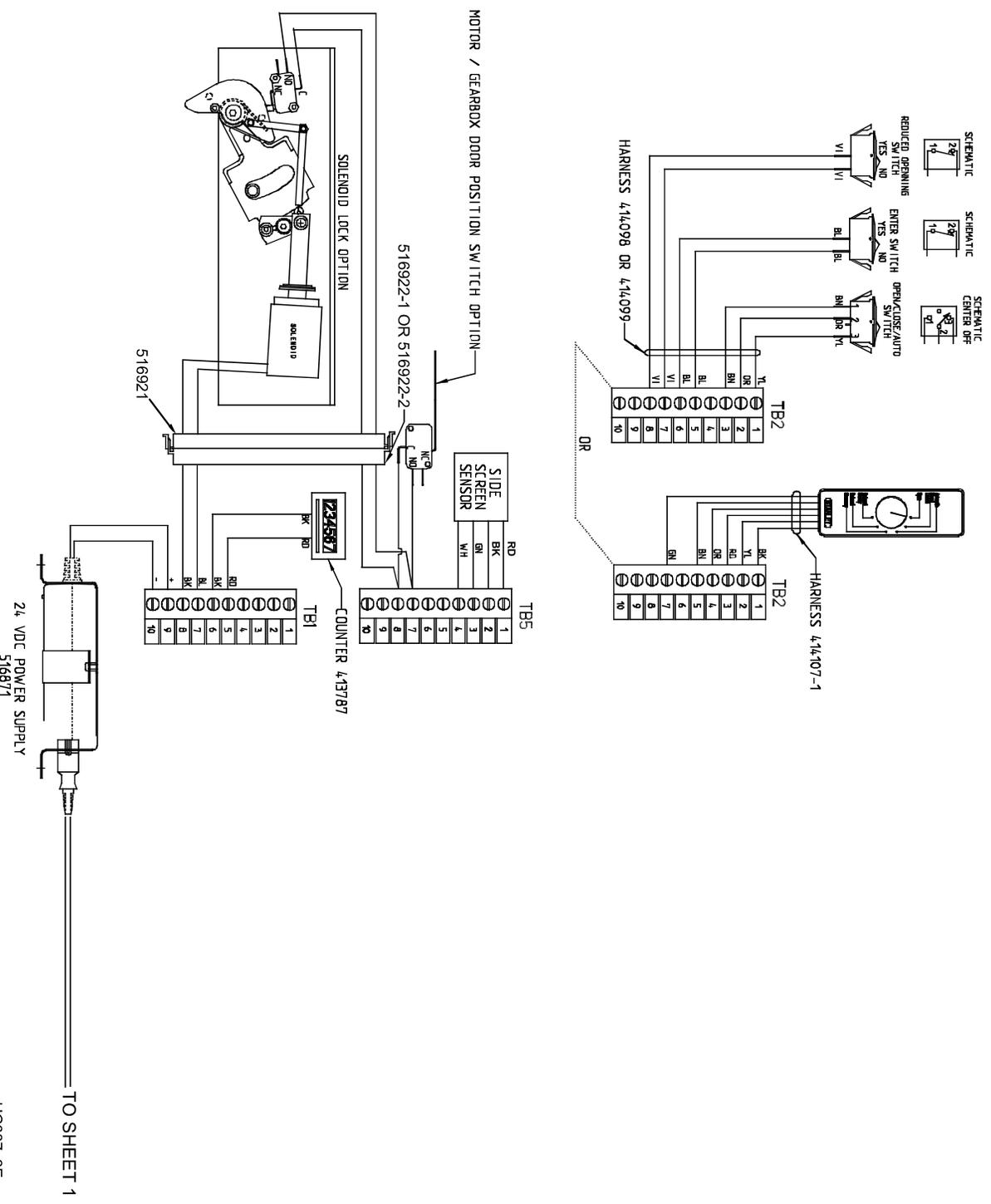


UC007_2D

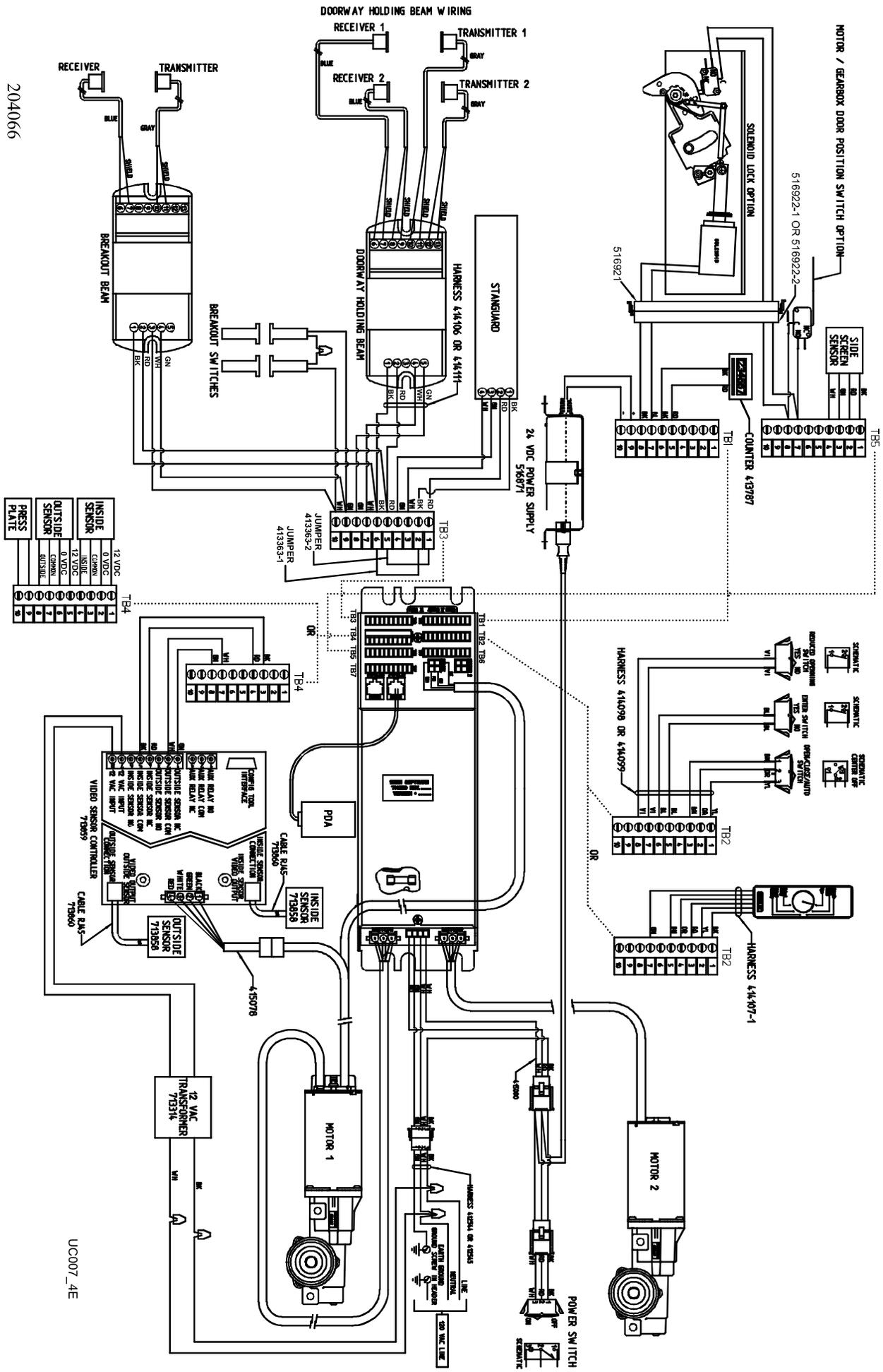
Attachment 2

MC521 Pro System Wiring Diagram

(Sheet 3 of 8)



Attachment 2 MC521 Pro System Wiring Diagram (Sheet 4 of 8)



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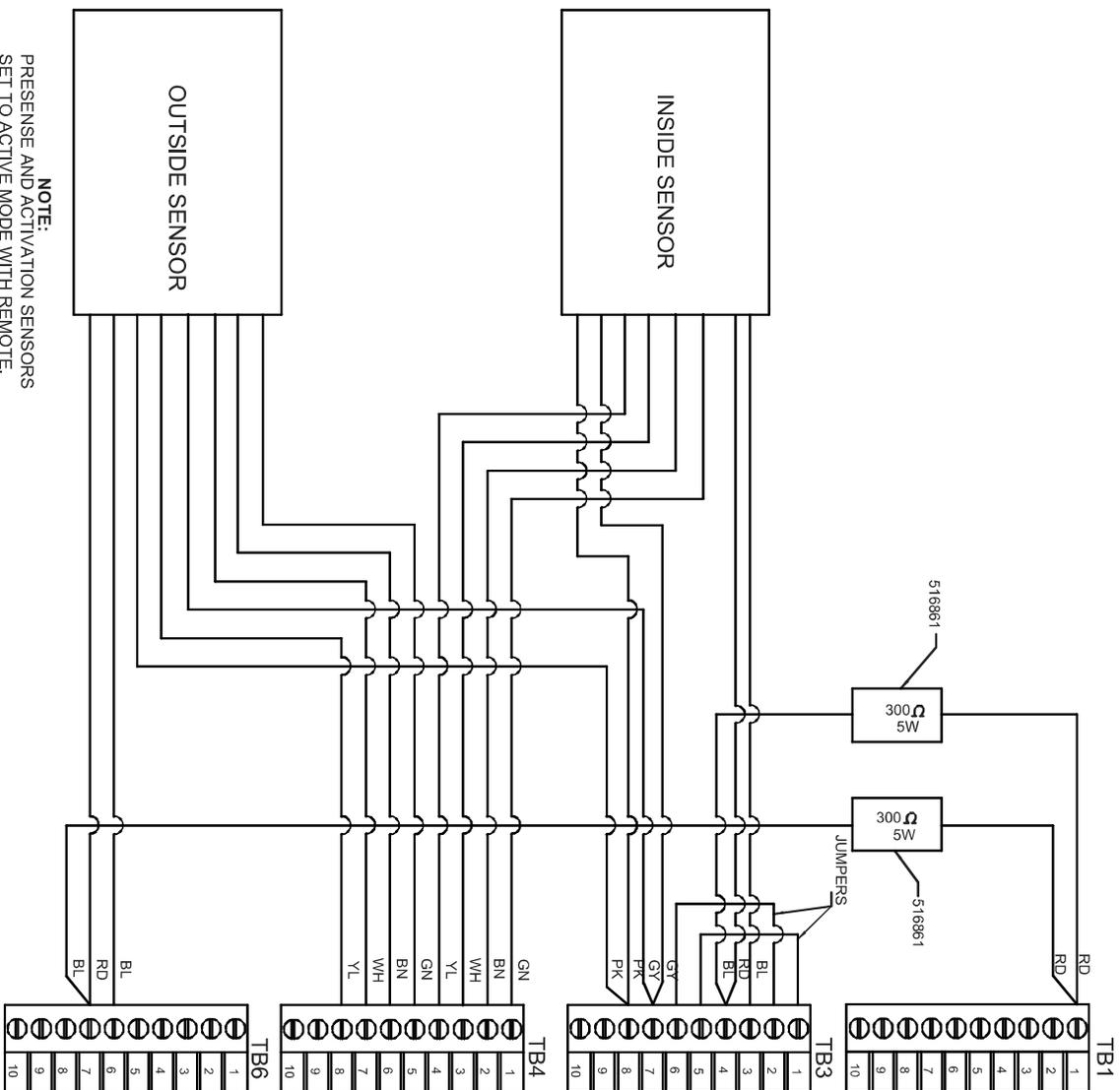
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Attachment 2

MC521 Pro System Wiring Diagram

(Sheet 5 of 8)

TERMINAL BLOCK LAYOUT FOR ACTIVE 8 WITH SELF-MONITORING



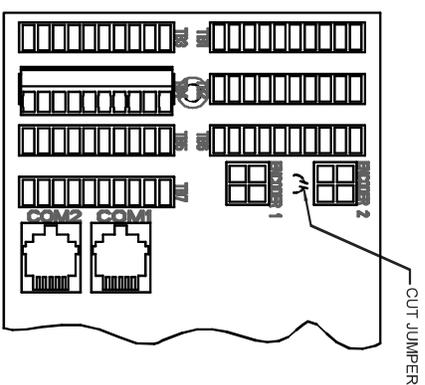
NOTE:
 PRESENSE AND ACTIVATION SENSORS
 SET TO ACTIVE MODE WITH REMOTE.

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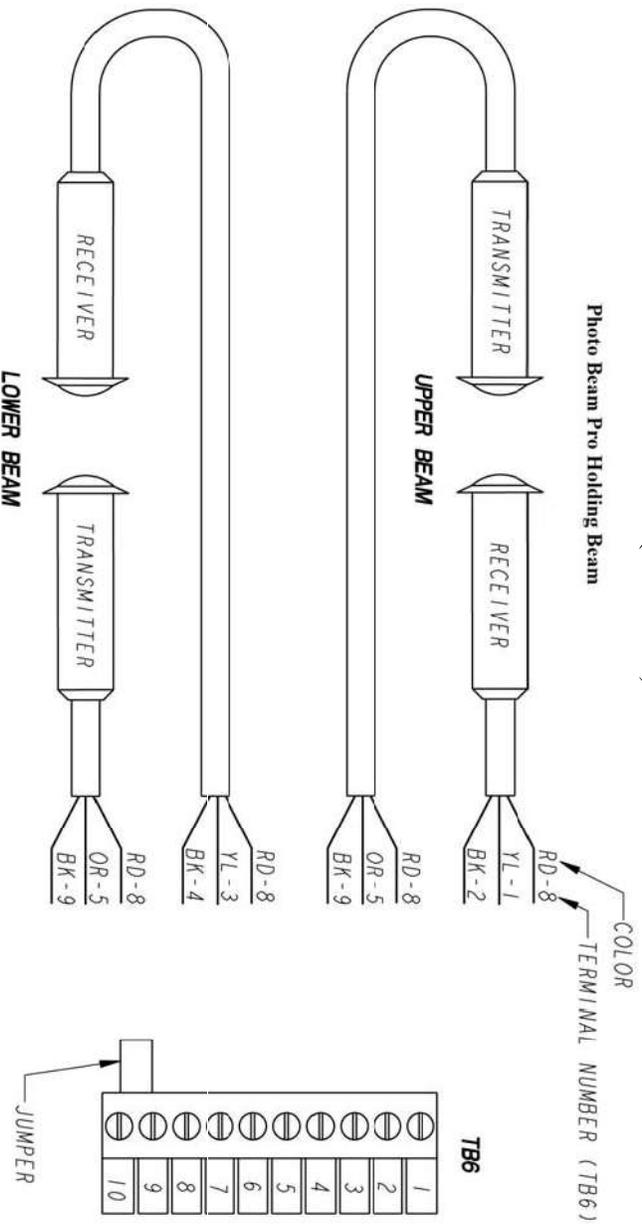
Page 21 of 30

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Attachment 2 MC521 Pro System Wiring Diagram (Sheet 6 of 8)

Photo Beam Pro Holding Beam



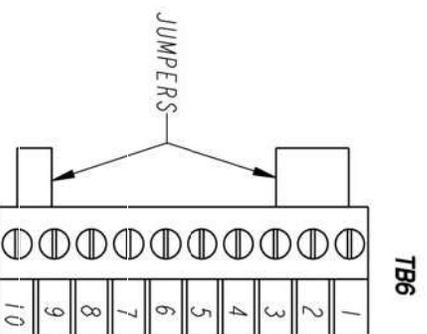
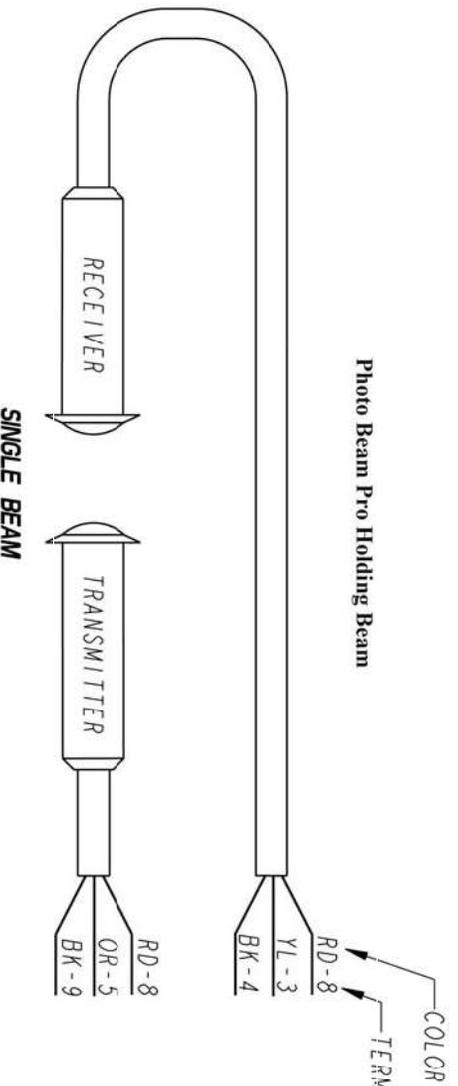
TB6 COLOR	DUAL HOLDING BEAM WIRING
1 YL	OUTPUT UPPER RECEIVER
2 BK	(-) UPPER RECEIVER
3 YL	OUTPUT LOWER RECEIVER
4 BK	(-) LOWER RECEIVER
5 OR	TRANSMITTER CONTROL LOWER AND UPPER
6 --	NO CONNECTION
7 --	NO CONNECTION
8 RD	(+) ALL RECEIVERS AND TRANSMITTERS
9 BK	(-) LOWER AND UPPER TRANSMITTERS, JUMPER TO TB6-10
10 BK	JUMPER FROM TB6-9

Part number 517211 Safety Beam Set
Part number 517211-1 Replacement Safety Beam Heads only (Set)

Attachment 2

MC521 Pro System Wiring Diagram

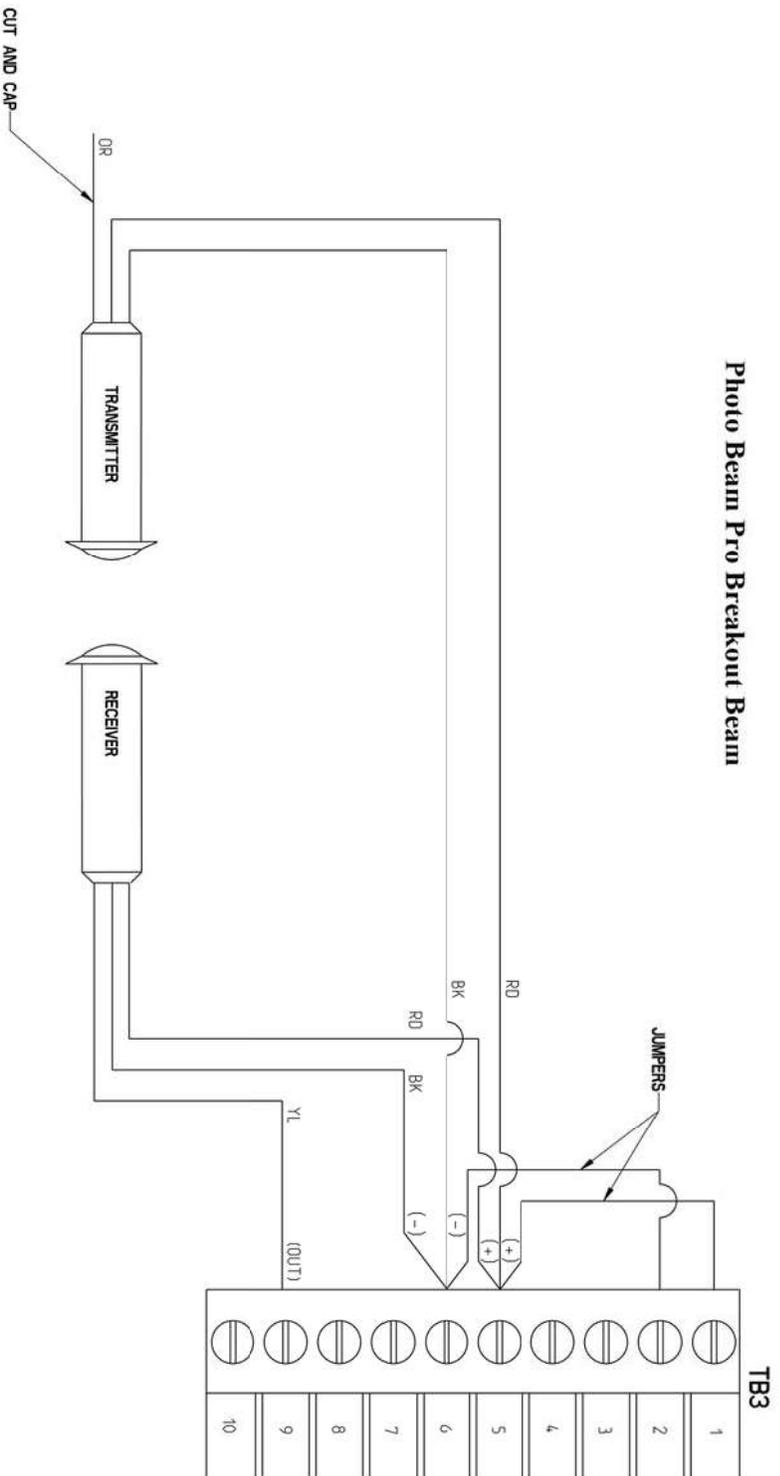
(Sheet 7 of 8)



TB6	COLOR	SINGLE HOLDING BEAM WIRING
1	WH	JUMPER FROM TB6-3
2	--	NO CONNECTION
3	YL,WH	OUTPUT RECEIVER, JUMPER FROM TB6-1
4	BK	(-) RECEIVER
5	OR	TRANSMITTER CONTROL
6	--	NO CONNECTION
7	--	NO CONNECTION
8	RD	(+) RECEIVER AND TRANSMITTER
9	BK	(-) TRANSMITTER, JUMPER TO TB6-10
10	BK	JUMPER FROM TB6-9

Attachment 2
MC521 Pro System Wiring Diagram
(Sheet 8 of 8)

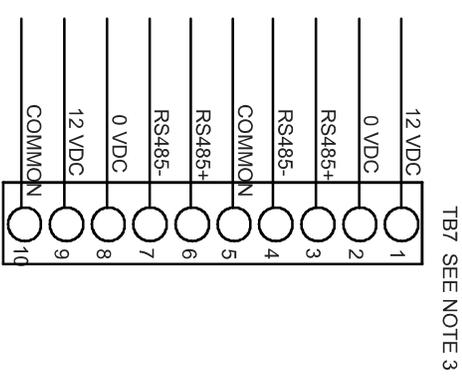
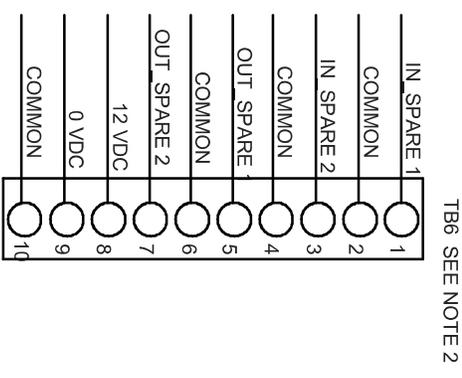
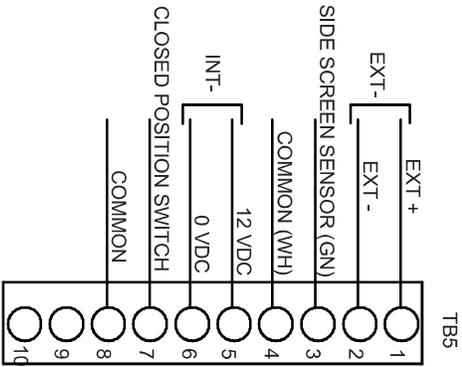
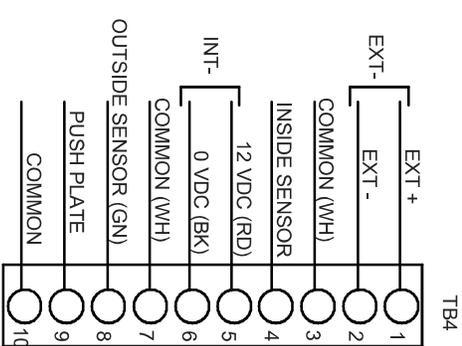
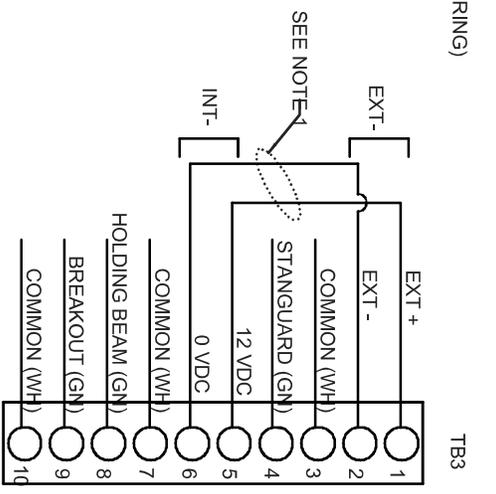
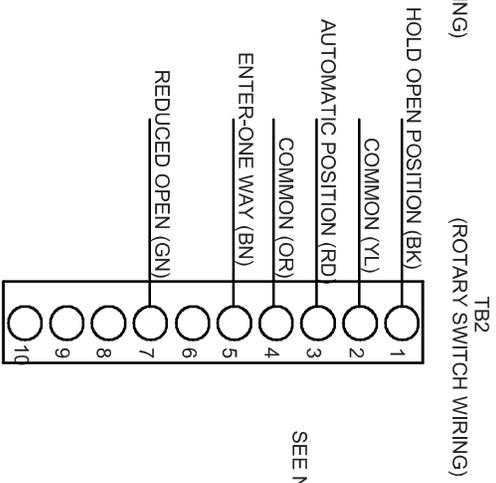
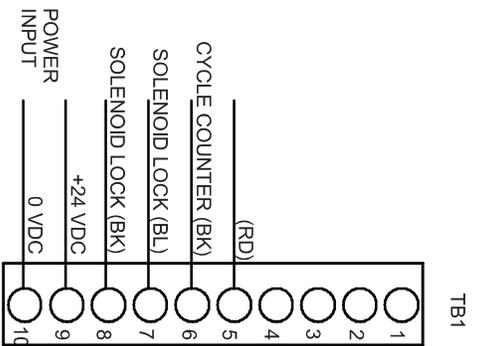
Photo Beam Pro Breakout Beam



Attachment 3

MC521 Pro Terminal Block Connections —TB1 through TB7

(Sheet 1 of 1)



- NOTES**
1. REMOVE IF EXTERNAL POWER SUPPLY IS USED.
 2. TB6 HAS SPARE I/O AND AUX DC SUPPLY.
 3. TB7 HAS RS485 AND AUX DC SUPPLY.