Stannah

MIDILIFT SL+

ELECTRICAL WIRING MANUAL

ISSUE:

15

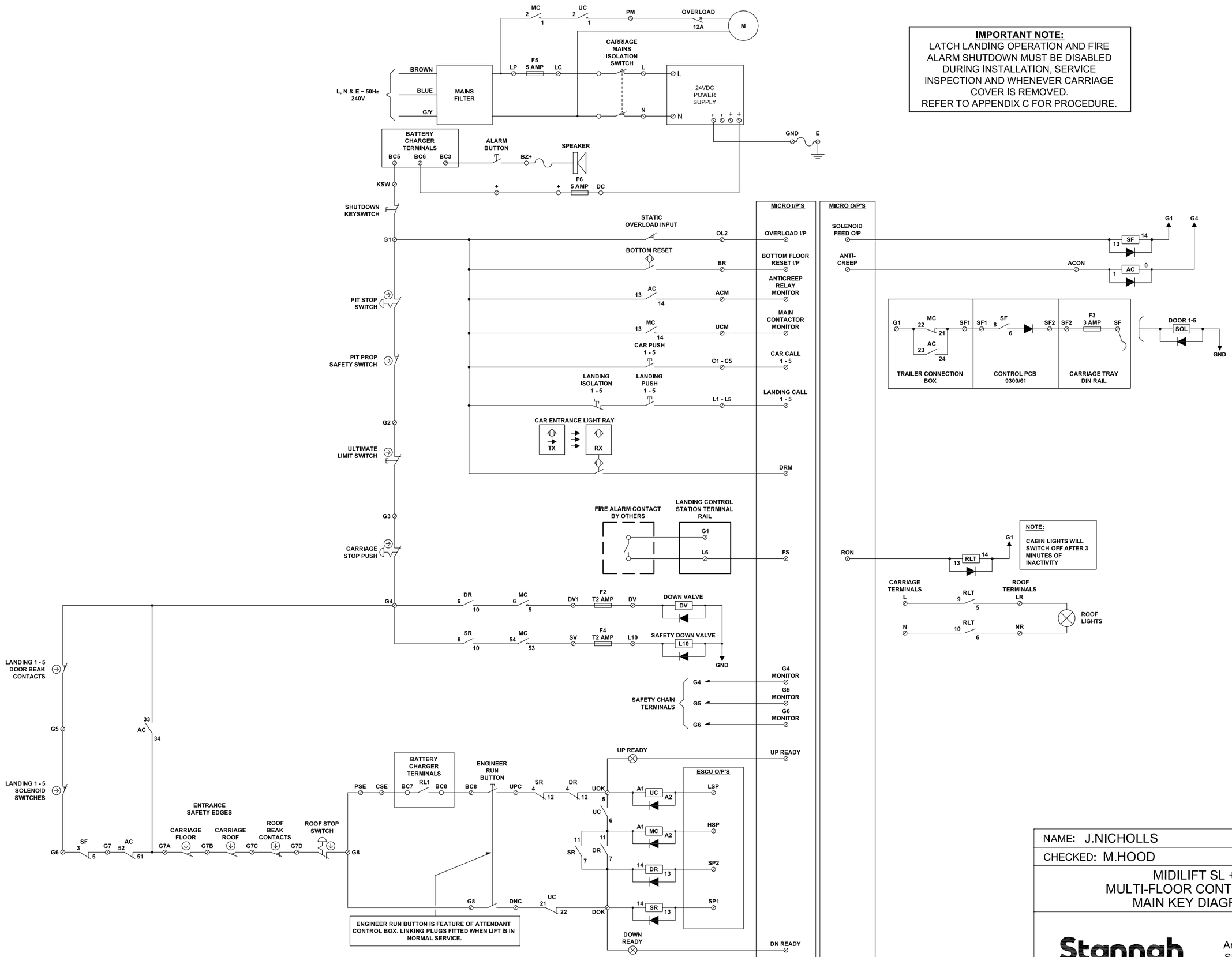
THIS MANUAL IS TO BE LEFT WITH THE FOLLOWING CONTRACT:

STANNAH PART NO:
916143

Stannah

INDEX

IMPORTANT NOTE:
LATCH LANDING OPERATION AND FIRE ALARM SHUTDOWN MUST BE DISABLED DURING INSTALLATION, SERVICE INSPECTION AND WHENEVER CARRIAGE COVER IS REMOVED.
REFER TO APPENDIX C FOR PROCEDURE.



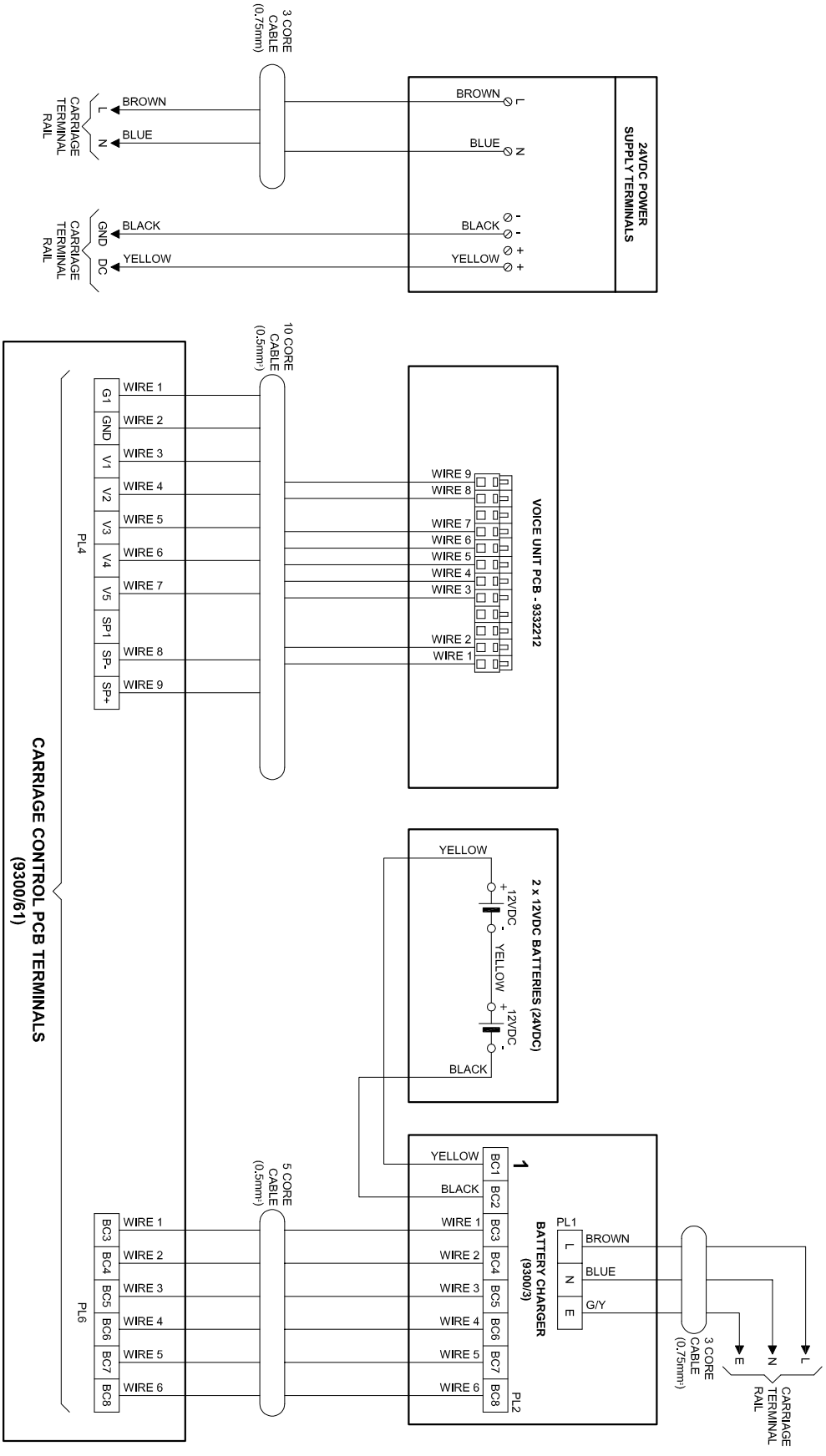
REV C: DRAWING UPDATED TO REFLECT UP-ISSUED PCB. JN 03/11/14 ECN A5513.
REV B: FIRE ALARM INPUT ADDED AND IMPORTANT NOTE. JN 27/05/14 ECN A5573.
REV A: CONTACTS '7' AND '11' ON RELAYS SR AND DR ARE NOW IN PARALLEL INSTEAD OF SERIES. JN 19/06/13

NAME: J.NICHOLLS	DATE: 15/01/2013
CHECKED: M.HOOD	DATE: 15/01/2013

MIDILIFT SL +
MULTI-FLOOR CONTROLLER
MAIN KEY DIAGRAM

Stannah
HEAD OFFICE:
Anton Mill
Andover Hampshire
SP10 2NX England
Tel: 01264 339090 Fax: 337942

DRAWING NO: 9448-055 REV: C



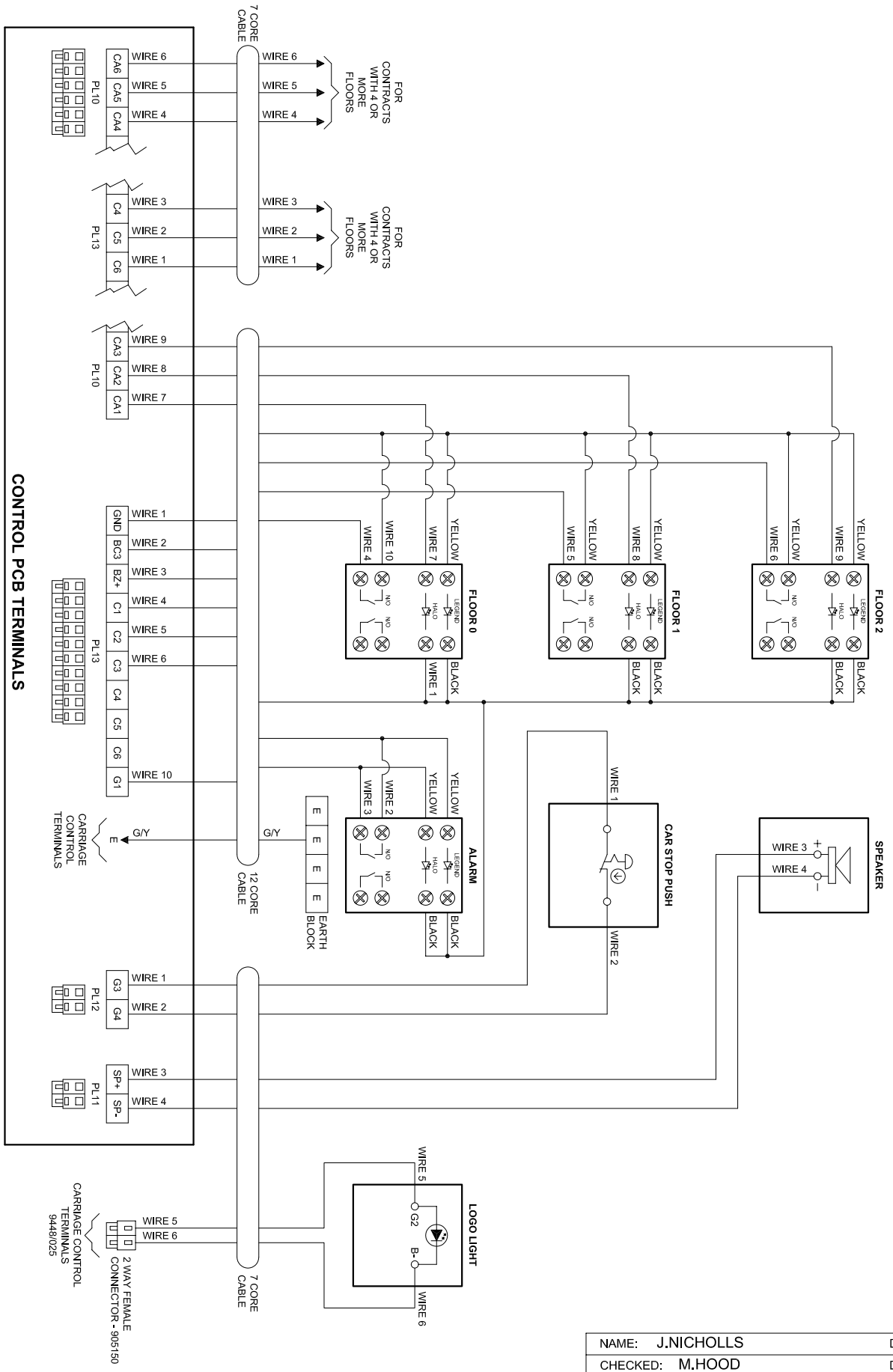
NAME: J.NICHOLLS	DATE: 08/01/2013
CHECKED: M.HOOD	DATE: 08/01/2013

MIDILIFT MULTI-FLOOR BOARD
CARRIAGE CONTROL TRAY WITH POWER SUPPLY CONNECTION DETAILS

Stannah
HEAD OFFICE:
Anton Mill
Andover Hampshire
SP10 2NX England
Tel: 01264 339090 Fax: 337942

REV A: BATTERY CHARGER WIRING UPDATED FOR NEW PCB. 04/11/2014 JN ECN A5513

DRAWING NO: 9448-059 | REV: A



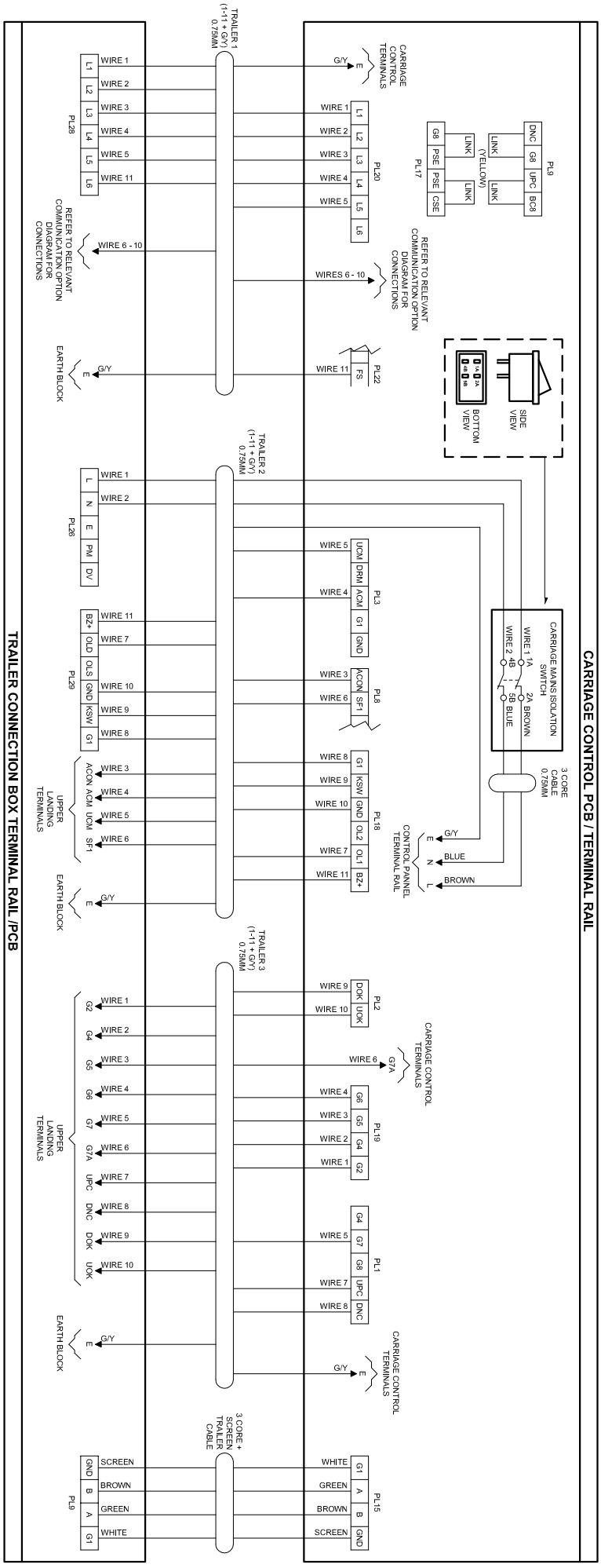
NAME:	J.NICHOLLS	DATE:	17/02/10
CHECKED:	M.HOOD	DATE:	17/02/10

MIDILIFT XL+
CONTROLLER CARRIAGE COVER
CONNECTION DETAILS

Stannah
HEAD OFFICE:
Anton Mill
Andover Hampshire
SP10 2NX England
Tel: 01264 339090 Fax: 337942

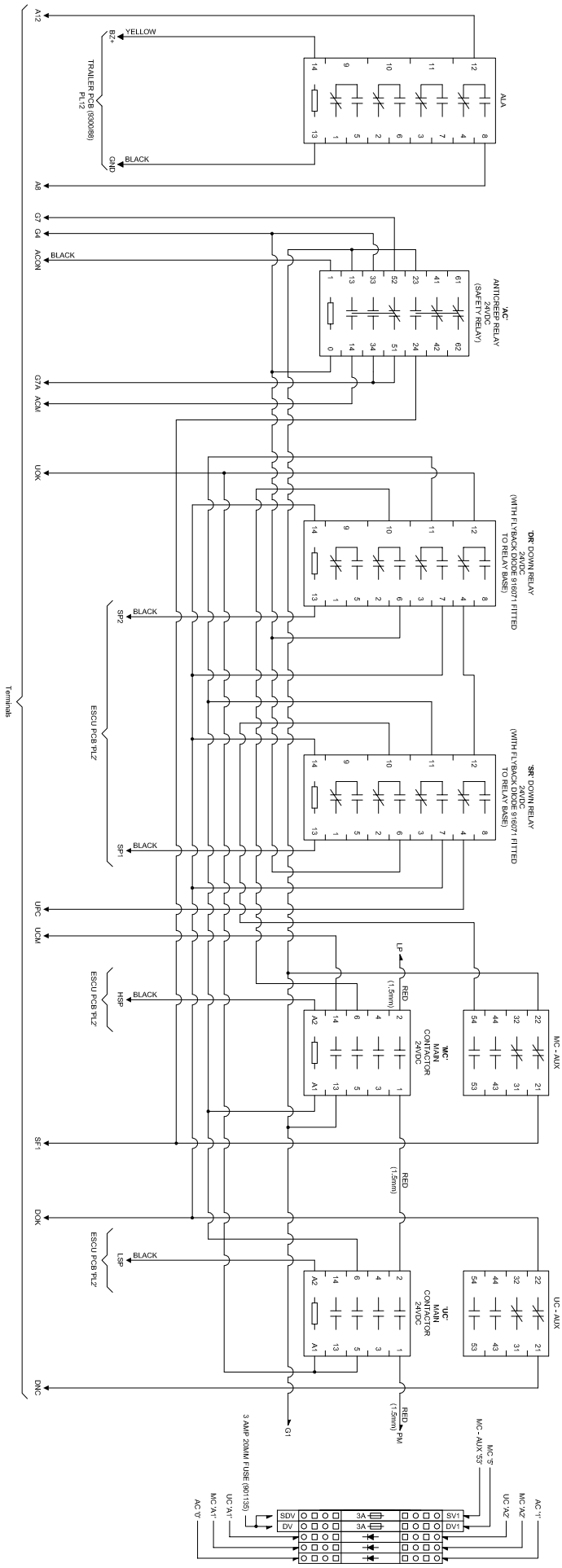
REV A: BUTTON LABEL ALTERED TO READ 'FLOOR 2'. UPDATED FOR NEW LOGO AND TEXT FONT. 29/07/2010 JN.

DRAWING NO: 9448-003 REV: A



NAME: J.NICHOLLS	DATE: 14/01/13	
CHECKED: M.HOOD	DATE: 14/01/13	
MIDILIFT SL+ TRAILER CABLE CONNECTION DETAILS		
Stannah	HEAD OFFICE: Anton Mill Andover Hampshire SP10 2NX England Tel: 01264 339090 Fax: 337942	
DRAWING NO: 9448-061	REV: A	

REV A: Cable trailer 1 changed due to new PCB, 09/06/2014 JN ECN A5573



RELAYS/TERMINALS (0.75mm² YELLOW LINK WIRE UNLESS OTHERWISE STATED)

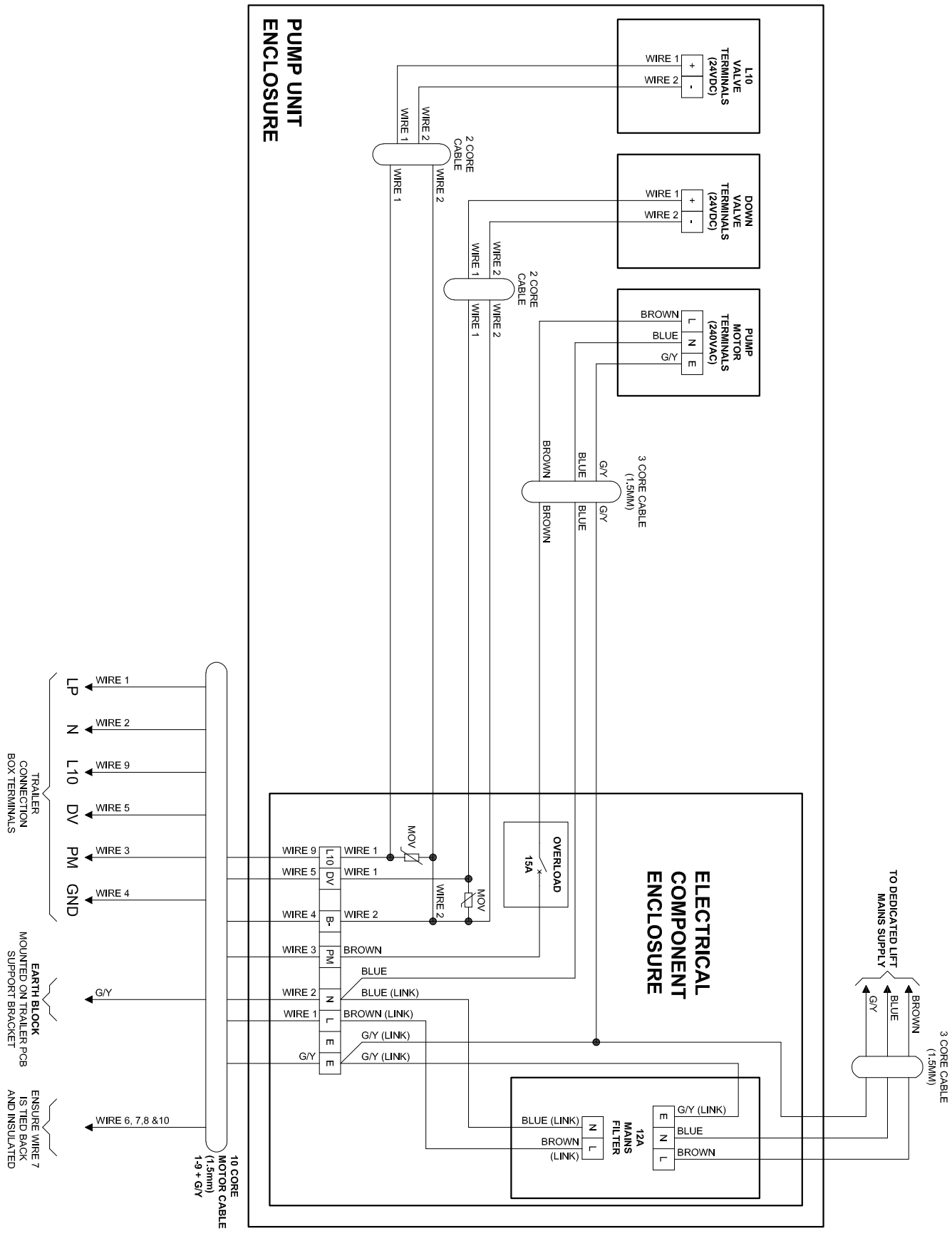
NAME: J.NICHOLLS	DATE: 01/12/2011
CHECKED: M.HOOD	DATE: 01/12/2011

MIDILIFT SL+
TRAILER CONNECTION
BOX WIRING DETAILS

Stannah
HEAD OFFICE:
Anton Mill
Andover Hampshire
SP10 2NX England
Tel: 01264 339090 Fax: 337942

REV A: CONTACTS '7' AND '11' ON RELAYS SR AND DR ARE NOW IN PARALLEL INSTEAD OF SERIES. JN 19/06/13. A5511.

DRAWING NO: 9448-056 | REV: A



NAME: J.NICHOLLS	DATE: 09/10/12
CHECKED: M.HOOD	DATE: 09/10/12

HYDRAX PUMP MOTOR
WITH L10 VALVE
(PICCOLO DIRECT AND SL+)

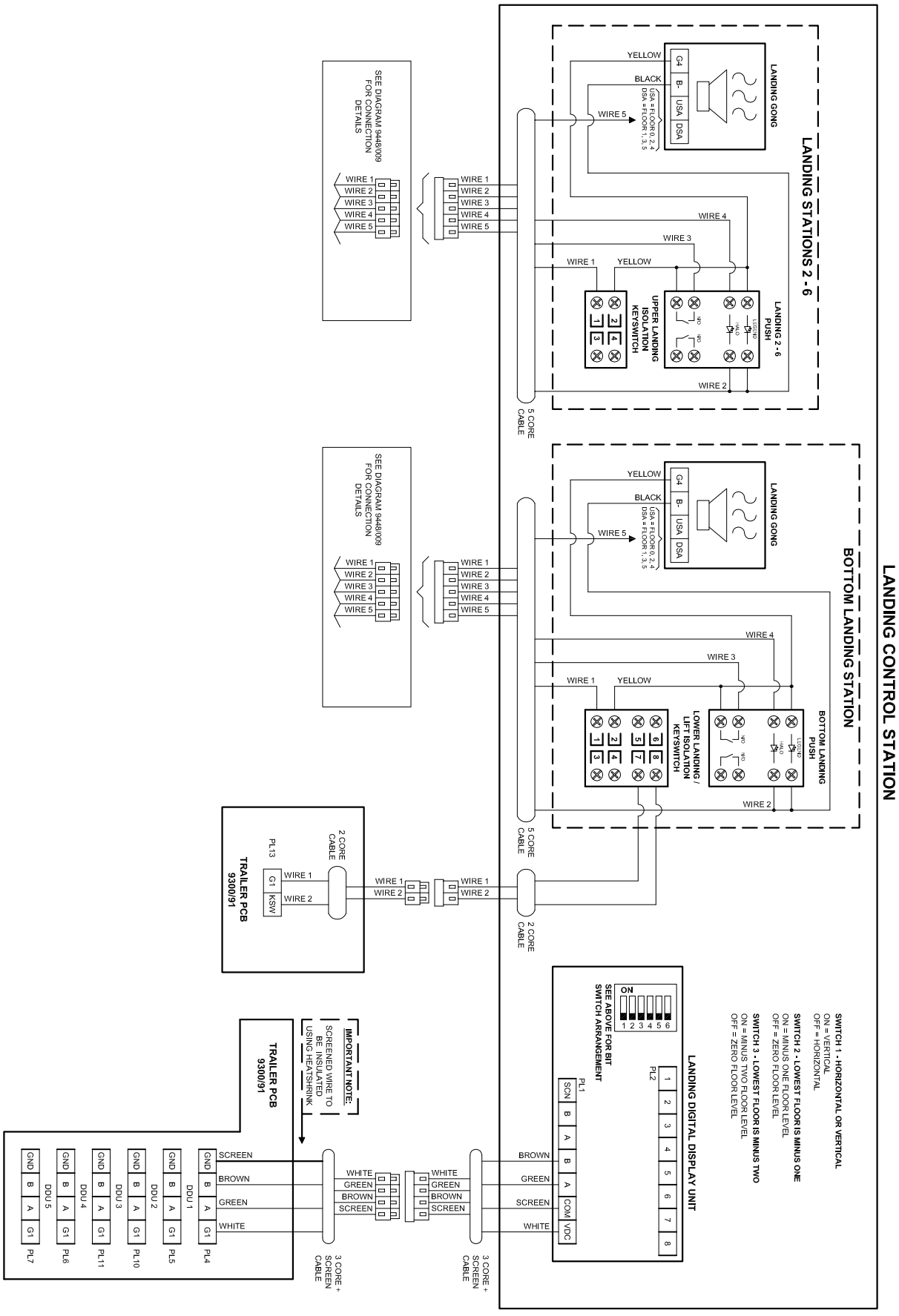
Stannah

HEAD OFFICE:
Anton Mill
Andover Hampshire
SP10 2NX England

Tel: 01264 339090 Fax: 337942

DRAWING NO: 9448-062 | REV: D

REV D: MOV'S ADDED DUE TO LACK OF NOISE SUPPRESSION ON DC VALVES. 31/10/2017 JN A6108.
REV C: OVERLOAD RATE UPDATED TO INCLUDE PICCOLO & DIODES REMOVED. 25/11/2014 JN
REV B: CABLE LOCATION CHANGED TO WIRING INTO TERMINALS INSTEAD OF BOARD. ECN A5505. 27/06/2013 JN
REV A: WIRE 6 USED FOR L10, CHANGED TO WIRE 9 AND DIODE POSISTION CHANGED. ECN A5395. 18/04/2013 JN



NAME:	J.NICHOLLS	DATE:	17/02/10
CHECKED:	M.HOOD	DATE:	17/02/10

MIDILIFT XL+

LANDING STATION WITH CALL ISOLATION CONNECTION DETAILS

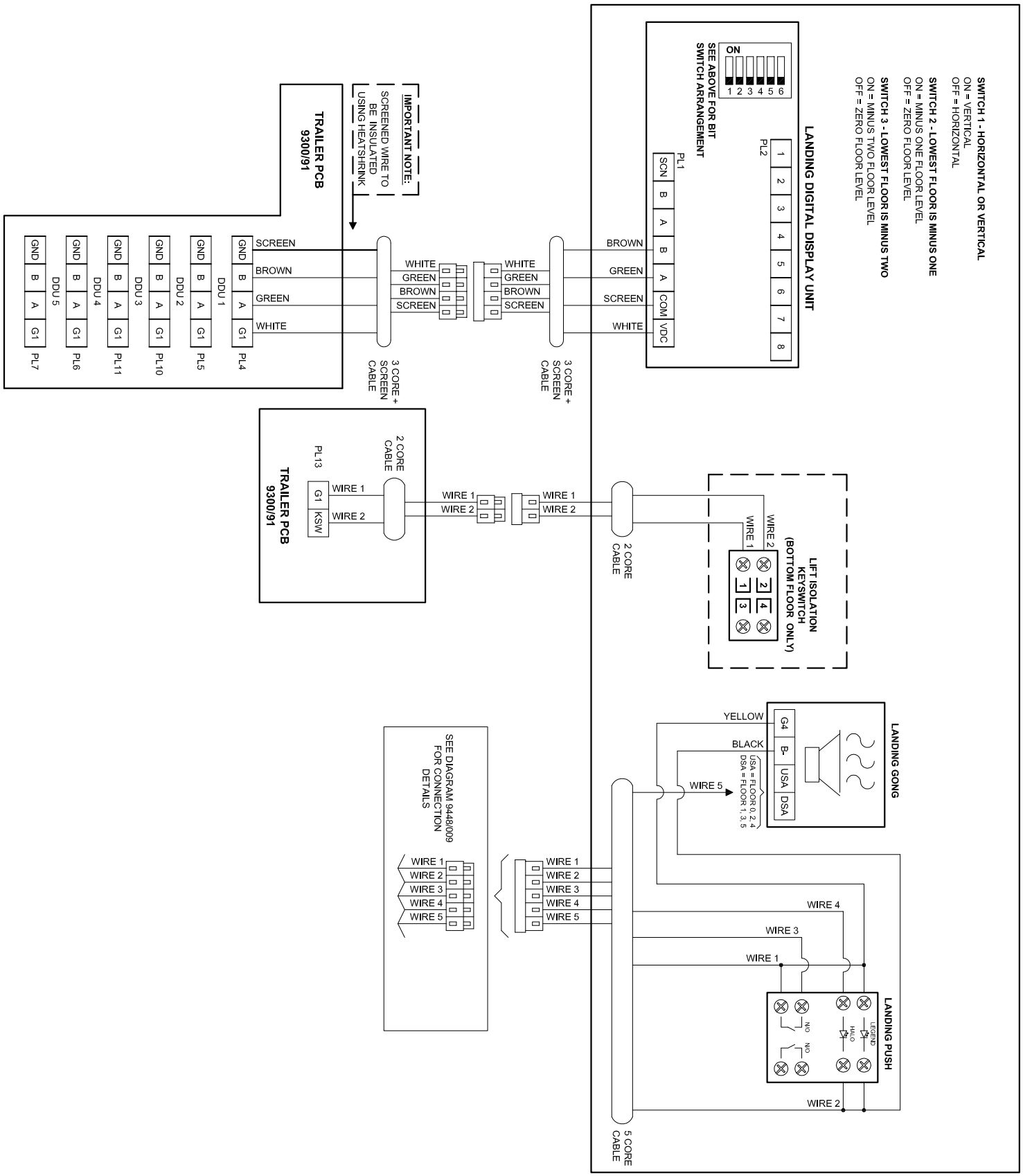
Stannah

HEAD OFFICE:
Anton Mill
Andover Hampshire
SP10 2NX England

Tel: 01264 339090 Fax: 337942

DRAWING NO: 9448-006 REV: C

REV C: CABLE CHANGED ON 3 CORE + SCREEN. JN 09/06/15 ECN A5667
REV B: BIT SWITCH ARRANGEMENT ADDED. 27/05/14 JN. A5573
REV A: REFERENCE TO PLUG WIRING ON DIAGRAM 9448/009 ADDED. UPDATED FOR NEW LOGO AND TEXT FONT. 20/07/2010 JN. A4659



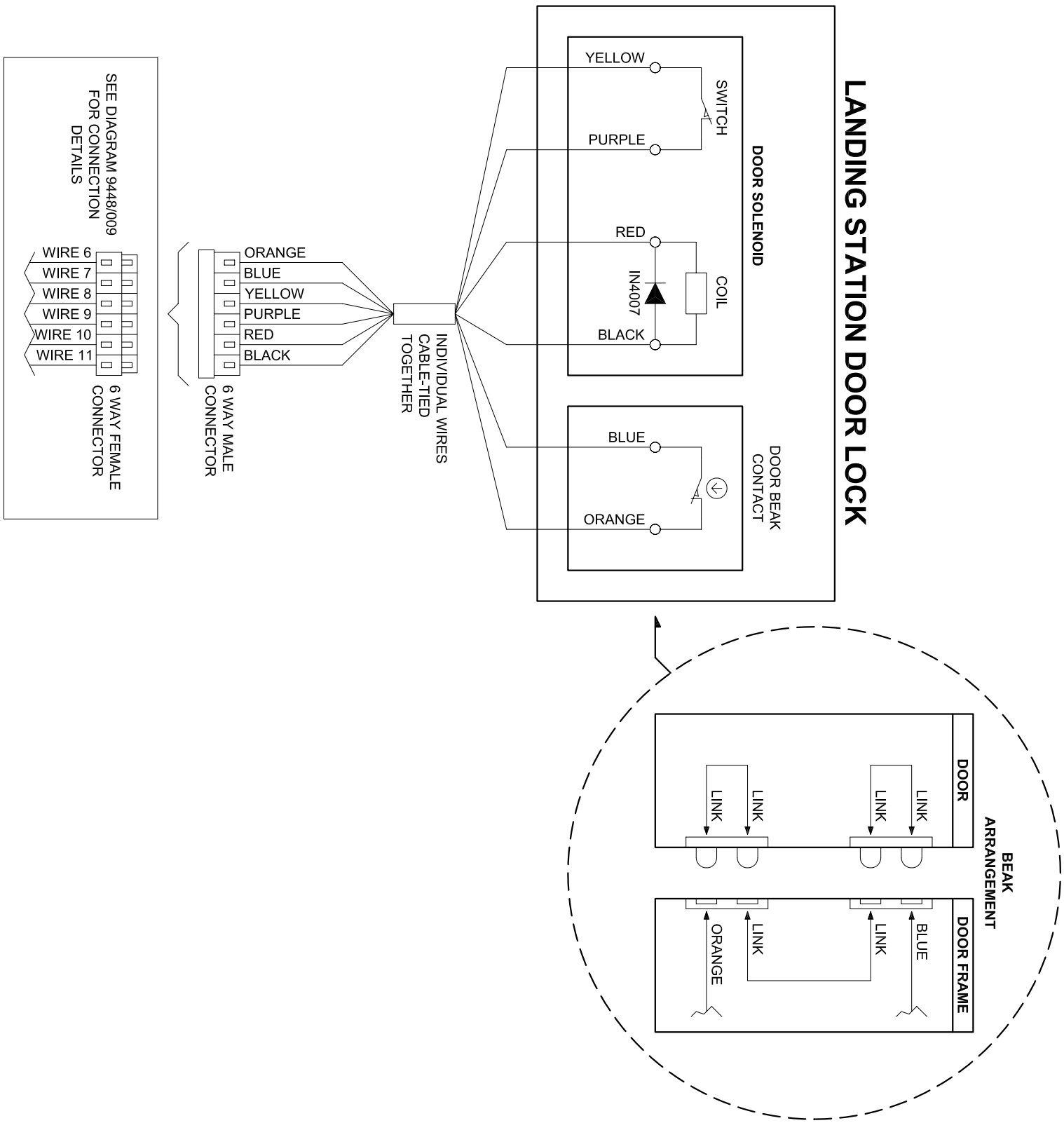
NAME:	J.NICHOLLS	DATE:	17/02/10
CHECKED:	M.HOOD	DATE:	17/02/10

MIDILIFT XL+
LANDING STATION
CONNECTION DETAILS

Stannah
HEAD OFFICE:
Anton Mill
Andover Hampshire
SP10 2NX England
Tel: 01264 339090 Fax: 337942

DRAWING NO: 9448-007 REV: C

REV C: CABLE CHANGED ON 3 CORE + SCREEN. JN 09/06/15 ECN A5667
REV B: BIT SWITCH ARRANGEMENT ADDED. 27/05/14 JN. A5573
REV A: REFERENCE TO PLUG WIRING ON DIAGRAM 9448/009 ADDED. UPDATED FOR NEW LOGO AND TEXT FONT. 20/07/2010 JN. A4659



NAME:	J.NICHOLLS	DATE:	17/02/10
CHECKED:	M.HOOD	DATE:	17/02/10

MIDILIFT XL+
LANDING DOOR LOCK AND BEAK CONNECTIONS DETAILS

Stannah
HEAD OFFICE:
Anton Mill
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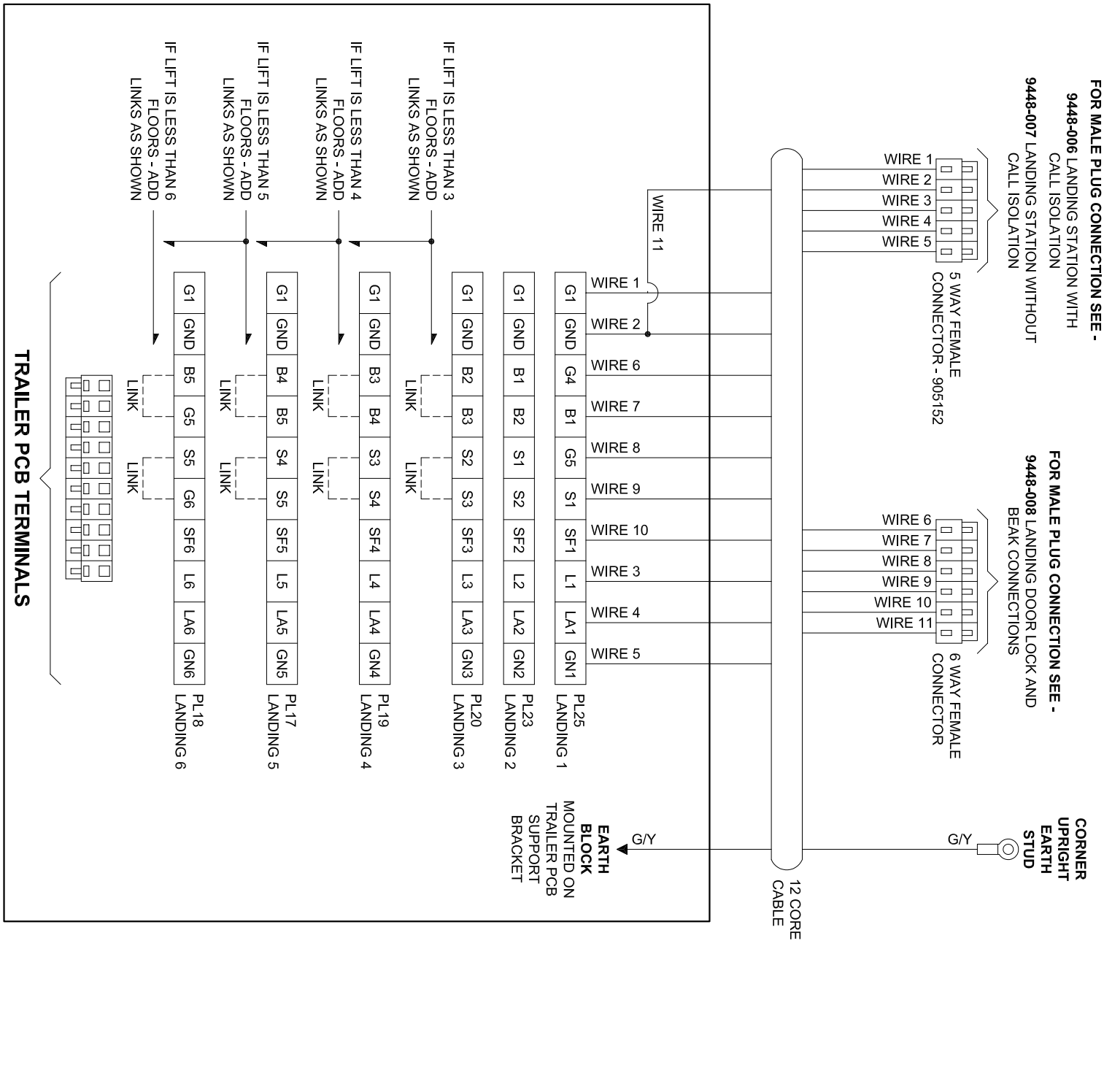
SP10 2NX England
Tel: 01264 339090 Fax: 337942

REV A: REFERENCE TO PLUG WIRING ON DIAGRAM 9448/009 ADDED. UPDATED FOR NEW LOGO AND TEXT FONT. 20/07/2010 JN.

DRAWING NO: 9448-008 REV: A



NAME:	J.NICHOLLS	DATE:	17/02/10
CHECKED:	M.HOOD	DATE:	17/02/10

MIDILIFT XL+
LANDING STATION LOOM
CONNECTION DETAILS

Stannah
HEAD OFFICE:
Anton Mill
Andover Hampshire
SP10 2NX England
Tel: 01264 339090 Fax: 337942

DRAWING NO: 9448-009 REV: A

REV A: UPDATED FOR NEW LOGO AND TEXT FONT. 29/07/2010 JN.

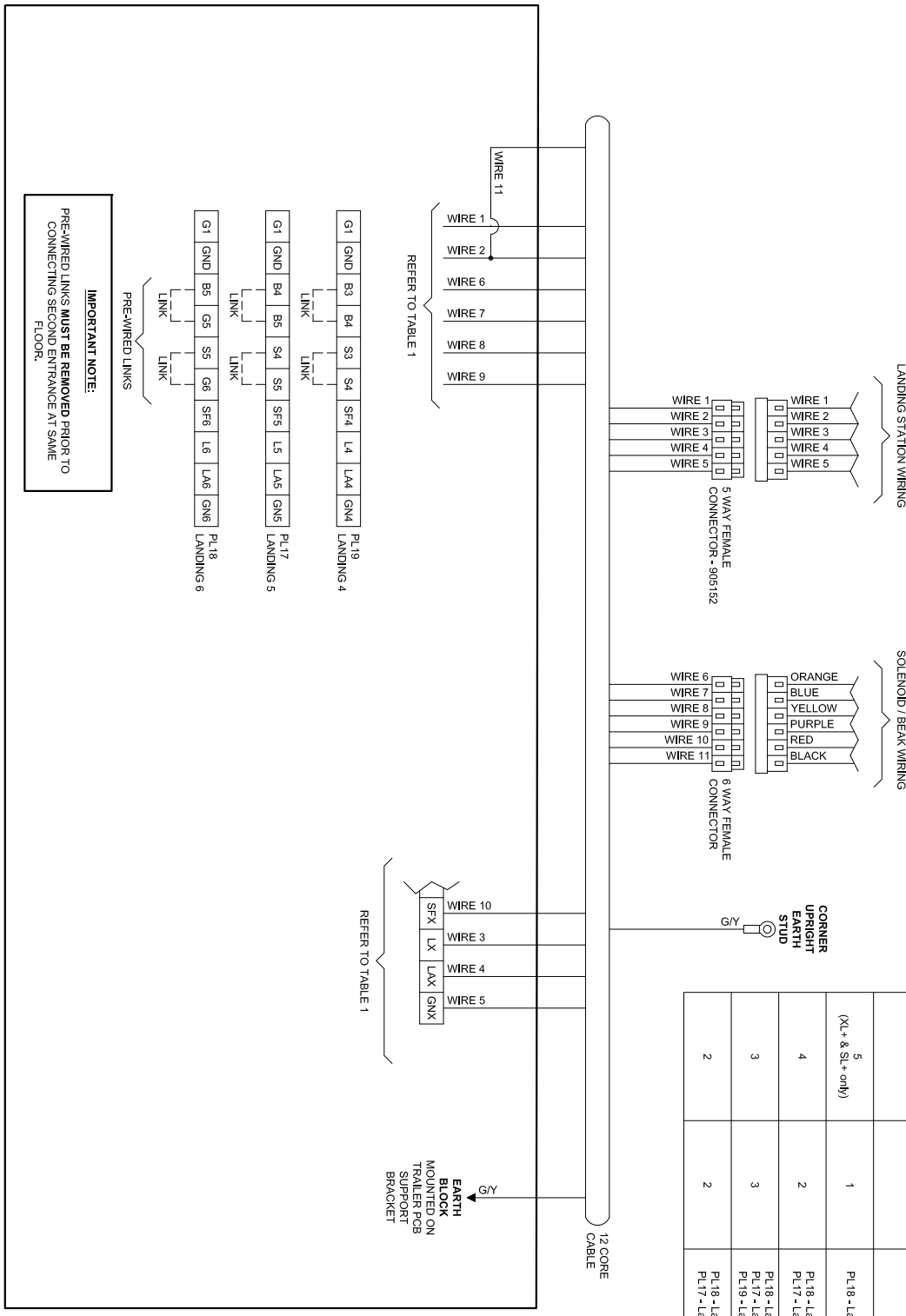


Table 1

Number of Floors	Max number of floors with two entrances allowed	Solenoid / beak wiring (wires 1,2,6,7,8,9&11) Use the following plugs	Landing call & call accept wiring (wires 3,4,5&10) Connected to corresponding landing plug (i.e. double connection).
5 (XL+ & SL+ only)	1	PL18 - Landing 6	Second entrance: Floor 1 = PL25 Floor 2 = PL23 Floor 3 = PL20 Floor 4 = PL19 Floor 5 = PL17
4	2	PL18 - Landing 6 PL17 - Landing 5	
3	3	PL18 - Landing 6 PL17 - Landing 5 PL19 - Landing 4	
2	2	PL18 - Landing 6 PL17 - Landing 5	

NAME: J.NICHOLLS DATE: 14/07/20

CHECKED: M.HOOD DATE: 14/07/20

MIDILIFT

MULTI-FLOOR CONTROLLER SECOND ENTRANCE AT ONE LEVEL CONNECTION DETAILS

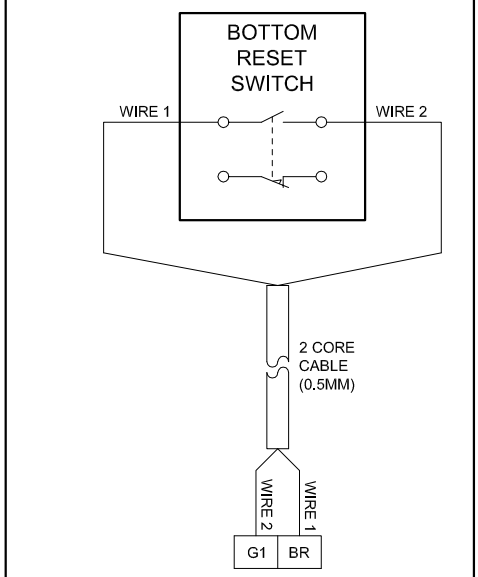
Stannah

HEAD OFFICE:
Anton Mill
Andover Hampshire
SP10 2NX England

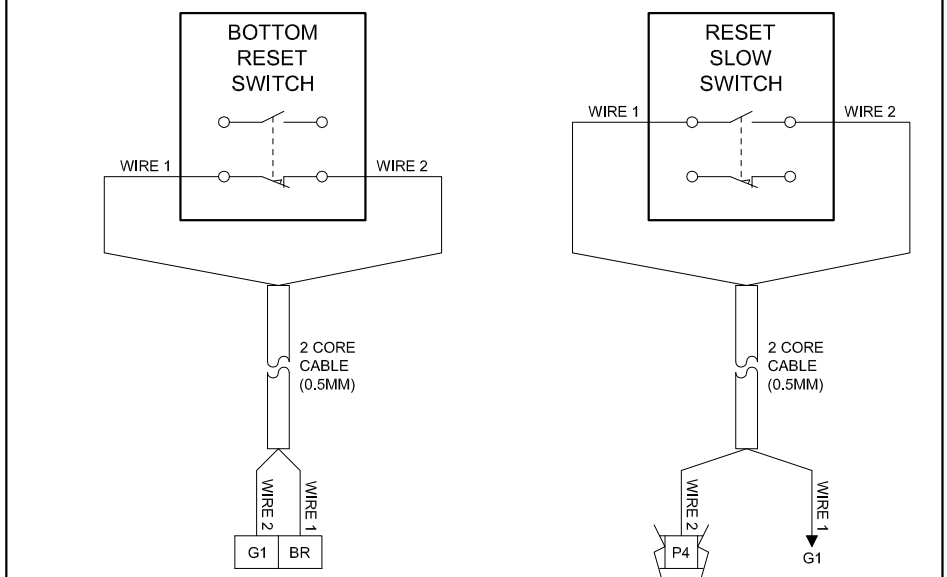
Tel: 01264 339090 Fax: 337942

DRAWING NO: 9446/60 REV:

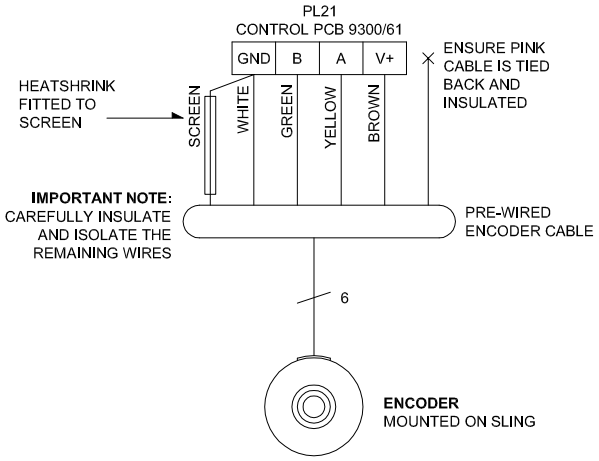
PICCOLO DIRECT & SL+



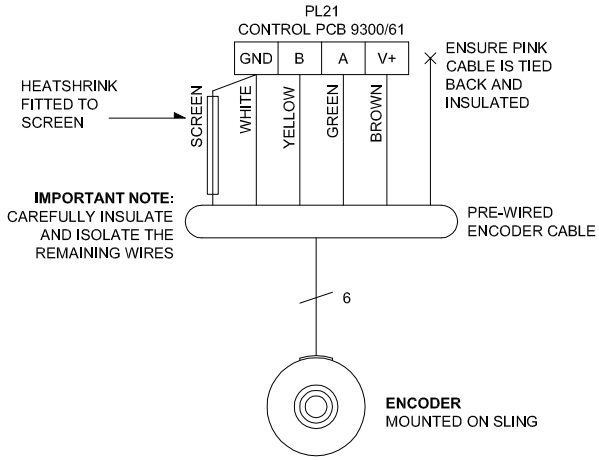
PICCOLO 2:1 ONLY



MIDILIFT SL+ / PICCOLO DIRECT (ALL ARRANGEMENTS) PICCOLO 2:1 (ENCODER LEFT OF GUIDES)



PICCOLO 2:1 (ENCODER RIGHT OF GUIDES)



NAME:	J.NICHOLLS	DATE:	16/08/12
CHECKED:	M.HOOD	DATE:	16/08/12

RESET SWITCH AND ENCODER
CONNECTION DETAILS

Stannah

HEAD OFFICE:
Anton Mill
Andover Hampshire
SP10 2NX England

Tel: 01264 339090 Fax: 337942

DRAWING NO: 9448-057 REV: A

REV A: RESET AND RESET SLOW SWITCHES CHANGED TO ROCKER SWITCH. MH 08/03/16 A5735.

SPRINT AUTO DOOR - FOR STANDARD DOORS/GATES ONLY

POTENTIOMETERS

	DESCRIPTION
TC (0 s – 30 s)	**DOOR OPEN TIME** SETS DOOR OPEN DELAY. ADJUSTABLE FROM 0 TO 30 SECONDS. **TC ADJUSTMENT MUST BE ENABLED FOR TIME TO BE RECORDED - SEE 'OPEN BUTTON' PROCEDURE.**
VM (MIN – MAX)	**DOOR SWING SPEED** SETS DOOR SPEED. CLOSING SPEED IS 2/3 OF THE OPENING SPEED. **VM ADJUSTMENT MUST BE ENABLED FOR SPEED TO BE RECORDED - SEE 'OPEN BUTTON' PROCEDURE.**

BIT SWITCHES

	DESCRIPTION
	BIT SWITCH ADJUSTMENT MUST BE ENABLED FOR CHANGES TO BE RECORDED - SEE 'OPEN BUTTON' PROCEDURE.
RIGHT HAND SLAM (ON, 1 2 3 4 5 6)	**SWITCH 1 & 2** ENABLES/DISABLES A CONSTANT DOOR CLOSING FORCE BY THE MOTOR. DEFAULT POSITION IS BOTH **SWITCH 1** AND **SWITCH 2** ARE SET TO **OFF**. IF DOOR STRUGGLES TO CLOSE FULLY (I.E. RESTS ON DOOR FRAME BEAK RAMPS) THEN SET **SWITCH 2** TO THE **ON** POSITION. **SWITCH 3** ENABLES/DISABLES LOW ENERGY MODE. DEFAULT POSITION IS **SWITCH 3** SET TO **OFF**. SET **SWITCH 3** TO **ON** POSITION IF OBSTRUCTION DETECTION FORCE IS EXCESSIVE.
LEFT HAND SLAM (ON, 1 2 3 4 5 6)	**SWITCH 4** SETS DIRECTION OF DOOR CLOSER. **ON** = LEFT HAND SLAM **OFF** = RIGHT HAND SLAM **SWITCH 5** ARM TYPE SELECTION. ENSURE **SWITCH 5** IS SET TO **ON**. **SWITCH 6** SAFETY DEVICE BYPASS. **SWITCH 6** IS SET TO **ON**.

OPEN

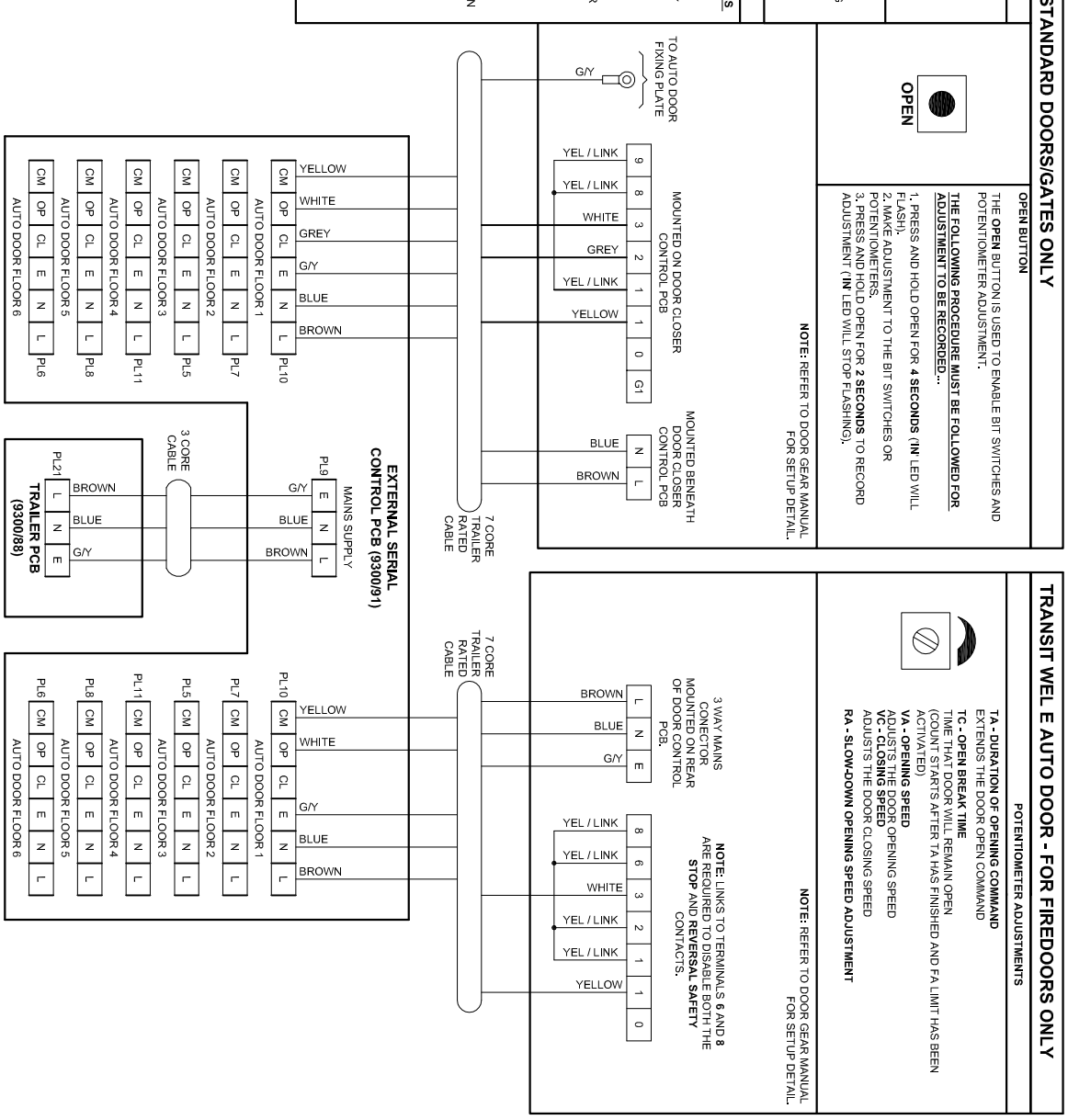
OPEN BUTTON

THE **OPEN** BUTTON IS USED TO ENABLE BIT SWITCHES AND POTENTIOMETER ADJUSTMENT.

THE FOLLOWING PROCEDURE MUST BE FOLLOWED FOR ADJUSTMENT TO BE RECORDED :-

1. PRESS AND HOLD OPEN FOR **4 SECONDS** (**IN** LED WILL FLASH).
2. MAKE ADJUSTMENT TO THE BIT SWITCHES OR POTENTIOMETERS.
3. PRESS AND HOLD OPEN FOR **2 SECONDS** TO RECORD ADJUSTMENT (**IN** LED WILL STOP FLASHING).

NOTE: REFER TO DOOR GEAR MANUAL FOR SET UP DETAIL.



TRANSIT WEL E AUTO DOOR - FOR FIREDOORS ONLY

POTENTIOMETER ADJUSTMENTS

TA - DURATION OF OPENING COMMAND
EXTENDS THE DOOR OPEN COMMAND

TC - OPEN BREAK TIME
TIME THAT DOOR WILL REMAIN OPEN (COUNT STARTS AFTER TA HAS FINISHED AND FA LIMIT HAS BEEN ACTIVATED)

VA - OPENING SPEED
ADJUSTS THE DOOR OPENING SPEED

VC - CLOSING SPEED
ADJUSTS THE DOOR CLOSING SPEED

RA - SLOW-DOWN OPENING SPEED ADJUSTMENT

NOTE: REFER TO DOOR GEAR MANUAL FOR SET UP DETAIL.

NAME:	J.NICHOLLS	DATE: 17/02/10
CHECKED:	M.HOOD	DATE: 17/02/10

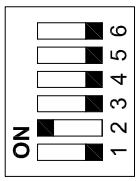
MIDILIFT XL+
LANDING AUTODOOR
CONNECTION DETAILS

Stannah
HEAD OFFICE:
Anton Mill
Andover Hampshire
SP10 2NX England
Tel: 01264 339090 Fax: 337942

DRAWING NO: 9448-011 REV: C

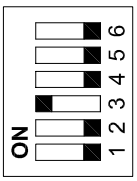
REV C: UPDATED FOR REVISED 7 CORE TRAILER CABLE. 18/08/2015 JN ECN A5688.
REV B: SPRINT AUTO DOOR REVISED - DRAWING ALTERED TO REFLECT. 04/11/2014 JN ECN A5513.
REV A: UPDATED FOR NEW LOGO AND TEXT FONT. 29/07/2010 JN.

Contracts with a minus 1 floor



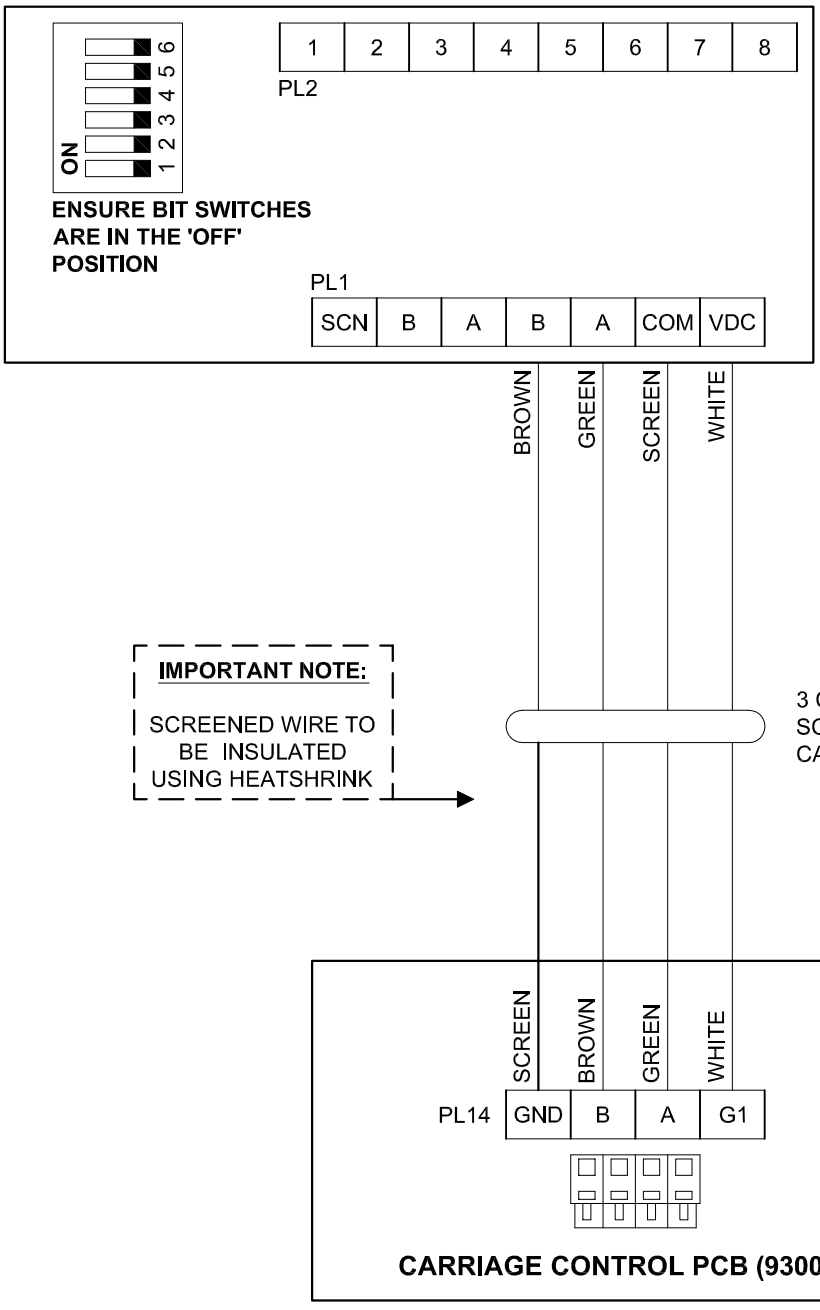
ENSURE BIT SWITCHES 2 IS 'ON' AND ALL OTHER BIT SWITCHES ARE IN THE 'OFF' POSITION

Contracts with a minus 2 floor



ENSURE BIT SWITCHES 3 IS 'ON' AND ALL OTHER BIT SWITCHES ARE IN THE 'OFF' POSITION

CARRIAGE DIGITAL DISPLAY UNIT



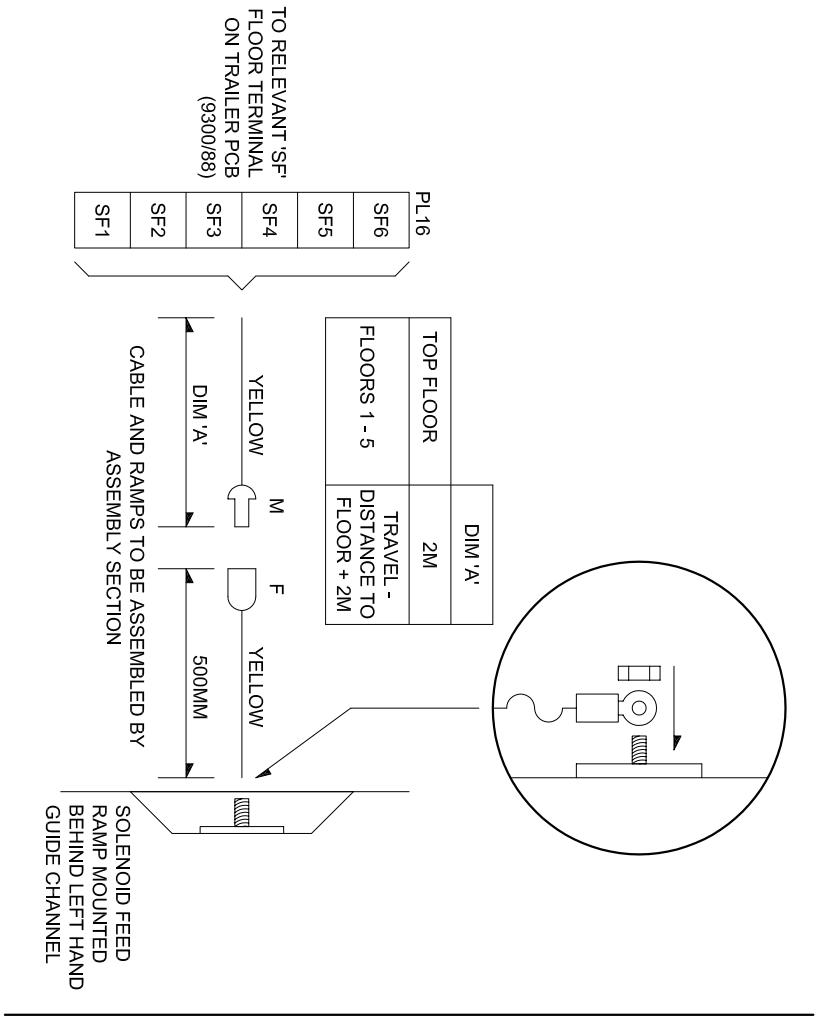
NAME:	J.NICHOLLS	DATE:	22/10/09
CHECKED:	M.HOOD	DATE:	22/10/09

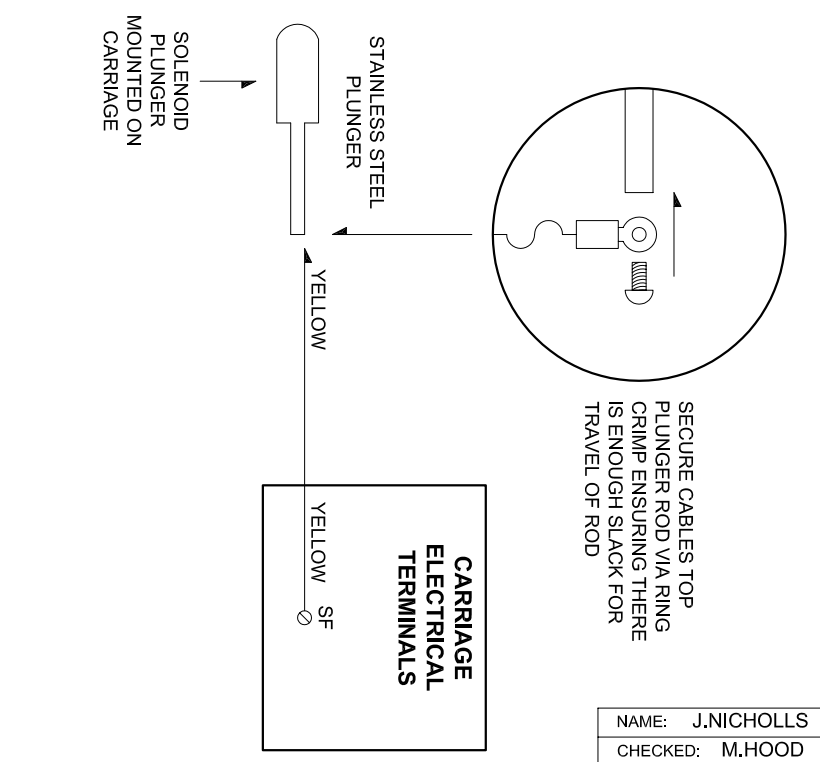
MIDILIFT XL+
CARRIAGE DDU
CONNECTION DETAILS

Stannah
HEAD OFFICE:
Anton Mill
Andover Hampshire
SP10 2NX England
Tel: 01264 339090 Fax: 337942

DRAWING NO: 9448-012 REV: C

REV C: CABLE CHANGED ON 3 CORE + SCREEN. JN 09/06/15 ECN A5667
REV B: BIT SWITCH ARRANGEMENT ADDED. 27/05/14 JN. A5573
REV A: UPDATED FOR NEW LOGO AND TEXT FONT. 29/07/2010 JN.





NAME:	J.NICHOLLS	DATE:	17/02/10
CHECKED:	M.HOOD	DATE:	17/02/10

MIDILIFT XL+
SOLENOID FEED PLUNGER

Stannah
HEAD OFFICE:
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Andover Hampshire
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Tel: 01264 339090 Fax: 337942

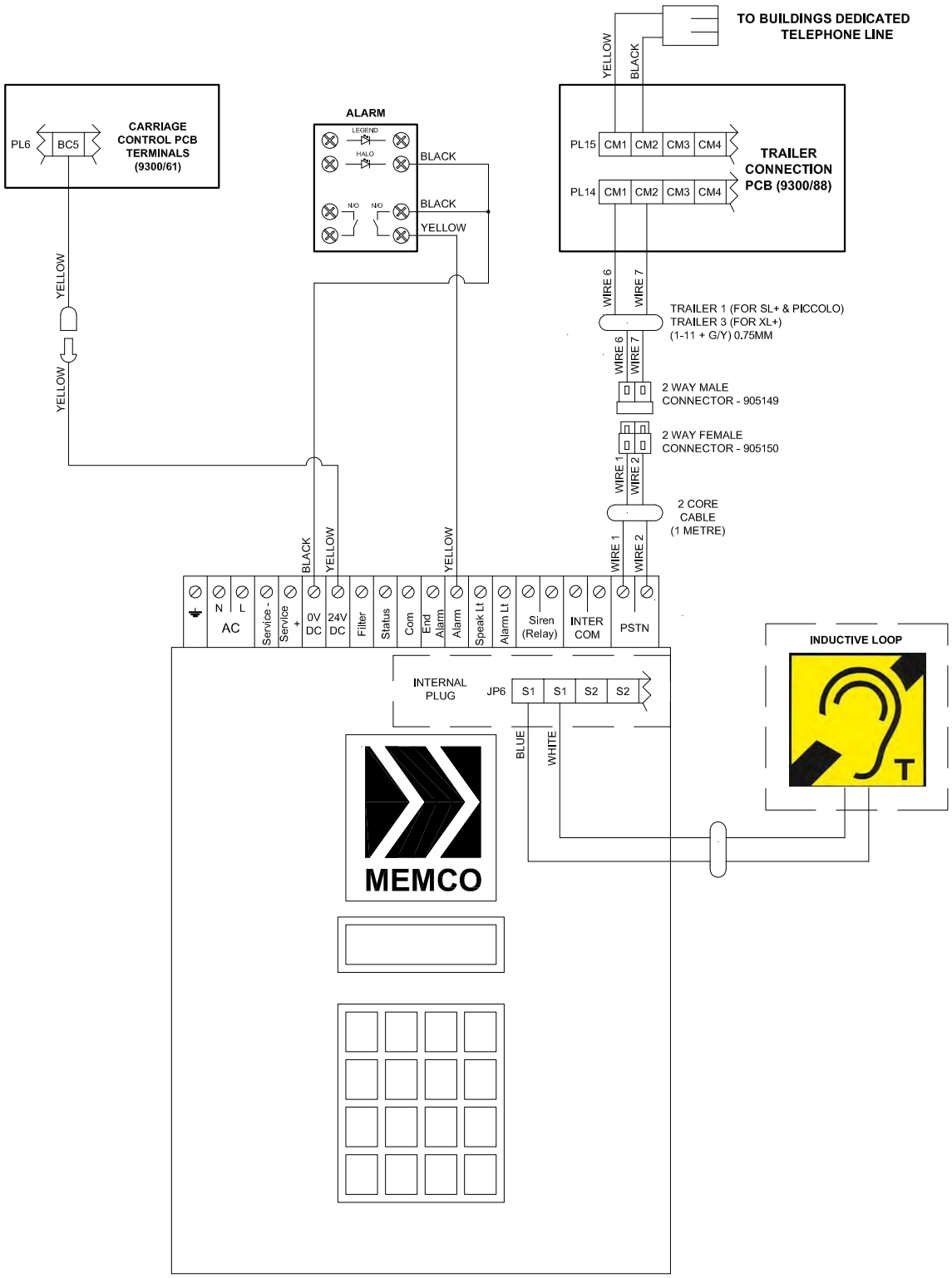
REV A: UPDATED FOR NEW LOGO AND TEXT FONT. 29/07/2010 JN.

DRAWING NO: 9448-013 REV: A

IMPORTANT NOTE:

PLEASE ENSURE MENU 26 IN QUICK SET UP IS SET AS FOLLOWED:

- **WITHOUT GSM - SET TO 8**
- **WITH GSM - SET TO 24**



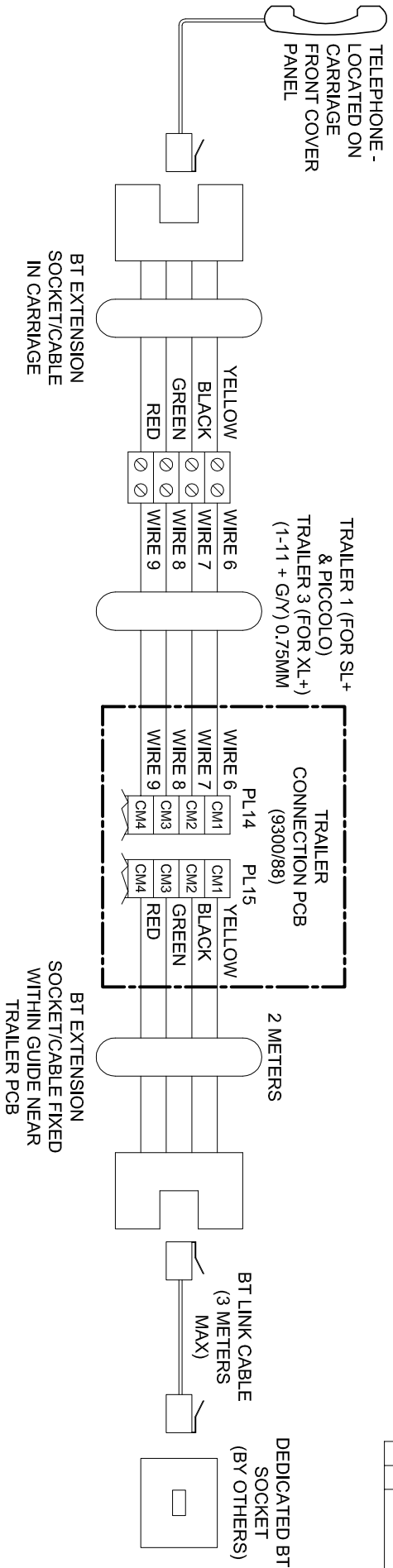
NAME:	J.NICHOLLS	DATE:	17/02/10
CHECKED:	M.HOOD	DATE:	17/02/10

MIDILIFT CONNECTION DETAILS
AUTODIAL CONNECTION DETAILS

REV E: PROGRAMMING DETAILS ADDED. JN 24/10/16 A5823
REV D: TRAILER NUMBER UPDATED TO SHOW SL+. 27/05/2014 JN A5573.
REV C: INDUCTIVE LOOP PICTURE ADDED. 30/07/2012 JK A5299.
REV B: WIRING COLOUR CORRECTED ON THE INDUCTIVE LOOP. 11/07/2011 JN A5007.
REV A: WIRING CORRECTED TO LINK 0VDC TO GND & UPDATED FOR NEW LOGO AND TEXT FONT. 29/07/2010 JN.

Stannah
HEAD OFFICE:
Anton Mill
Andover Hampshire
SP10 2NX England
Tel: 01264 339090 Fax: 337942

DRAWING NO: 9448-014 REV: E



REV C: TRAILER NUMBER UPDATED TO SHOW SL+. 27/05/2014 JN A5573.
REV B: ORDER OF BT EXTENSION SOCKET CABLE WIRES CHANGED TO REFLECT MEMCOM INSTALLATION MANUAL DRAWINGS. 05/11/12 JK. A5364
REV A: UPDATED FOR NEW LOGO AND TEXT FONT. 29/07/2010 JN.

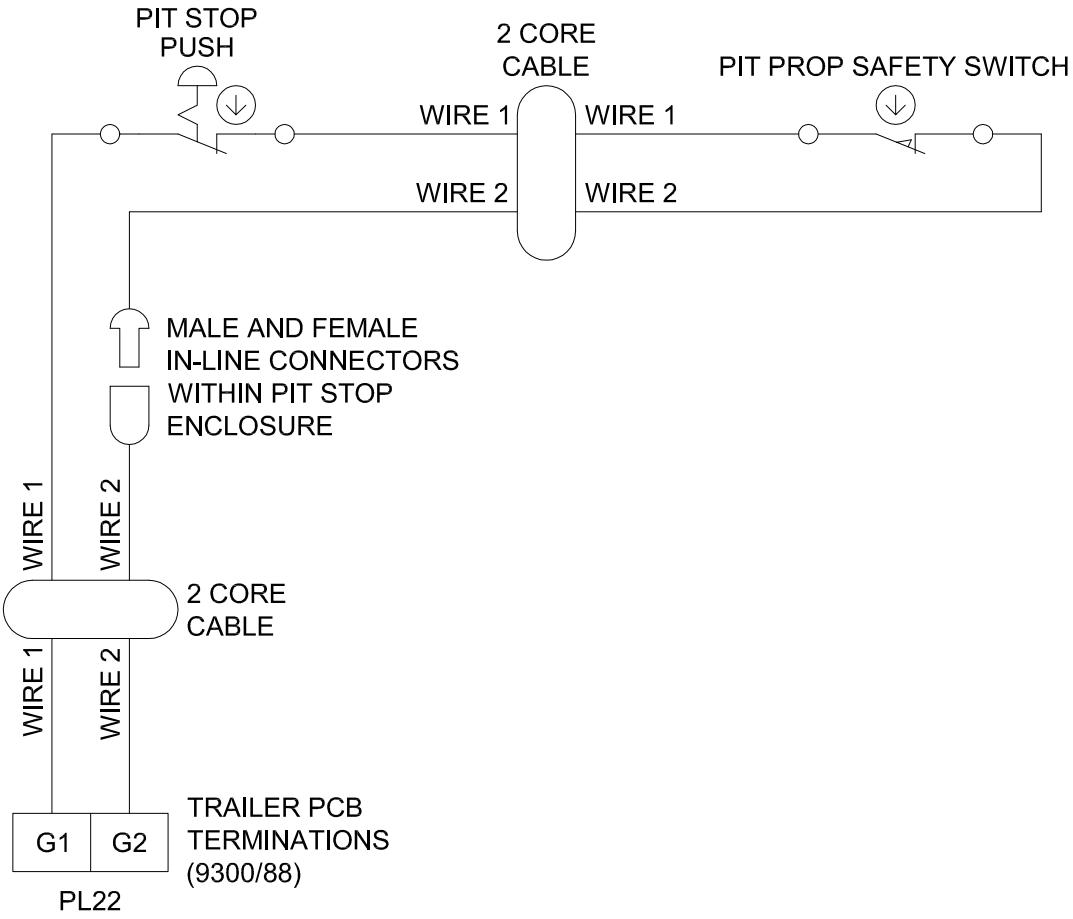
NAME: J.NICHOLLS	DATE: 17/02/10
CHECKED: M.HOOD	DATE: 17/02/10

MIDILIFT XL+
TELEPHONE CONNECTIONS DETAILS

Stannah
HEAD OFFICE:
Anton Mill
Andover Hampshire
SP10 2NX England
Tel: 01264 339090 Fax: 337942

DRAWING NO: 9448-015 REV: C

SHAFT SAFETY SWITCHES



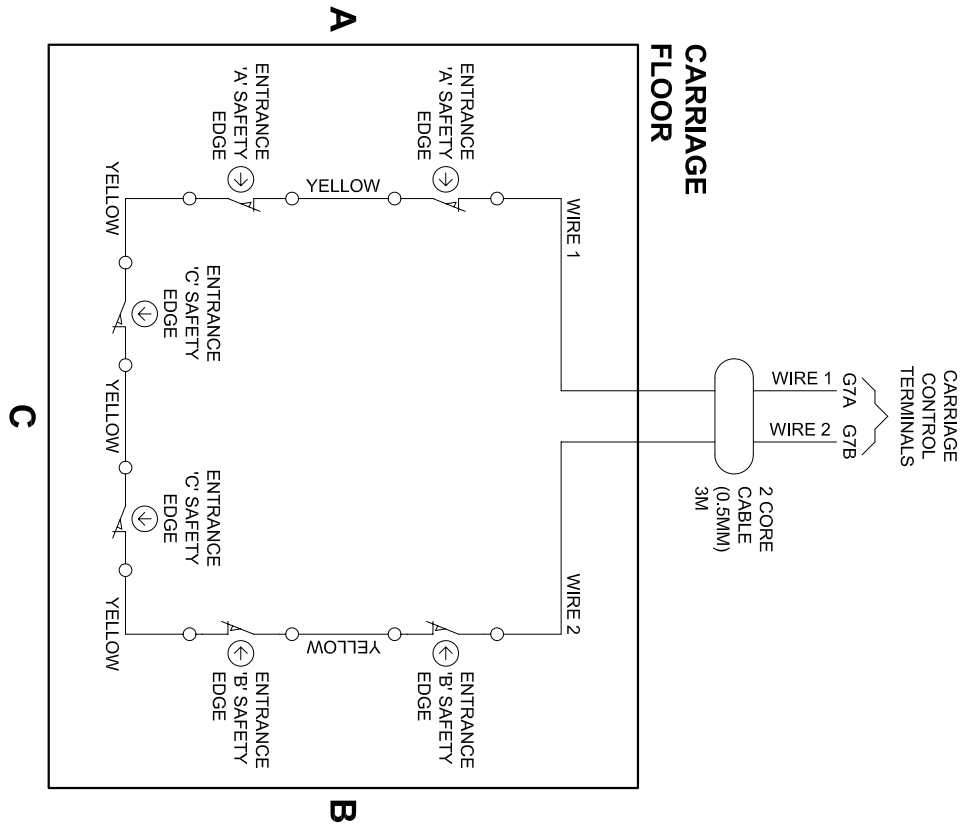
NAME: M.HOOD	DATE: 01/10/07
CHECKED: R.BAUGH	DATE: 01/11/07

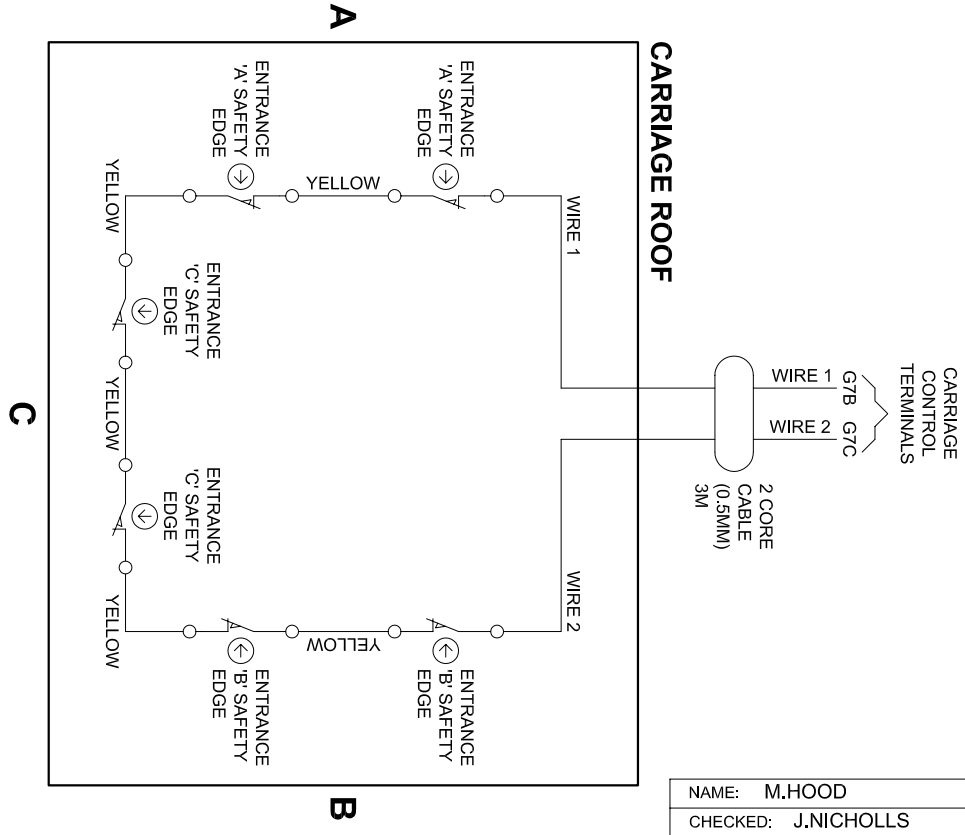
MIDILIFT SL
MULTI-FLOOR CONTROLLER
PIT STOP / PROP CONNECTIION DETAILS

Stannah
HEAD OFFICE:
Anton Mill
Andover Hampshire
SP10 2NX England
Tel: 01264 339090 Fax: 337942

DRAWING NO: 9446-009 | REV: B

REV B: UPDATED FOR NEW LOGO AND TEXT FONT. 01/10/10 JN
REV A: SHUTDOWN KEYSWITCH DETAILS REMOVED 11/06/09 MH





NAME:	M.HOOD	DATE:	17/02/10
CHECKED:	J.NICHOLLS	DATE:	17/02/10

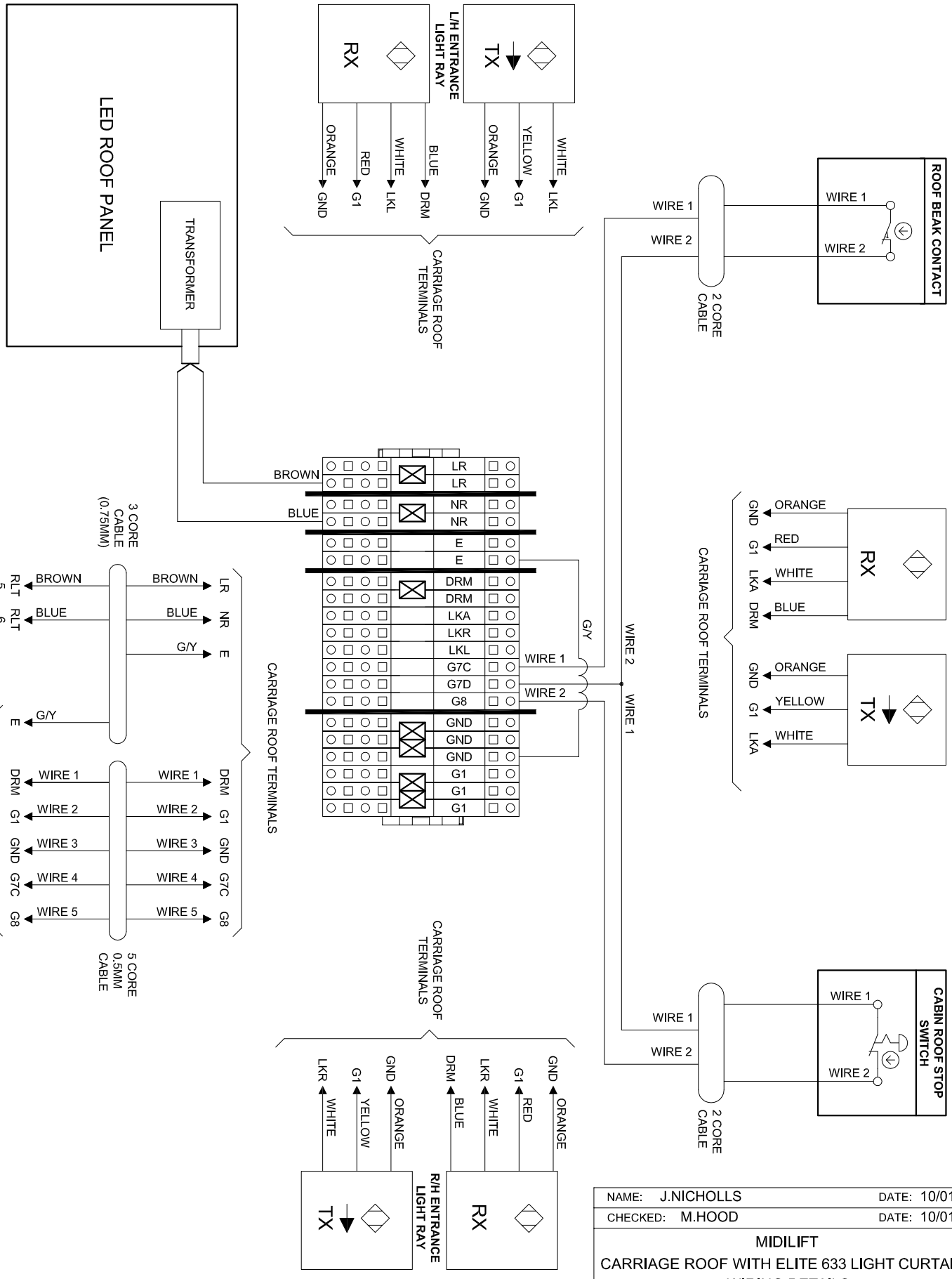
MIDILIFT XL+
CAR ENTRANCE SAFETY EDGE
CONNECTION DETAILS

Stannah

HEAD OFFICE:
Anton Mill
Andover Hampshire
SP10 2NX England
Tel: 01264 339090 Fax: 337942

DRAWING NO: 9448-020 REV: B

REV B: G8 CHANGED TO G7C. 04/01/11 JK. A4866
REV A: UPDATED FOR NEW LOGO AND TEXT FONT. 29/07/2010 JN.



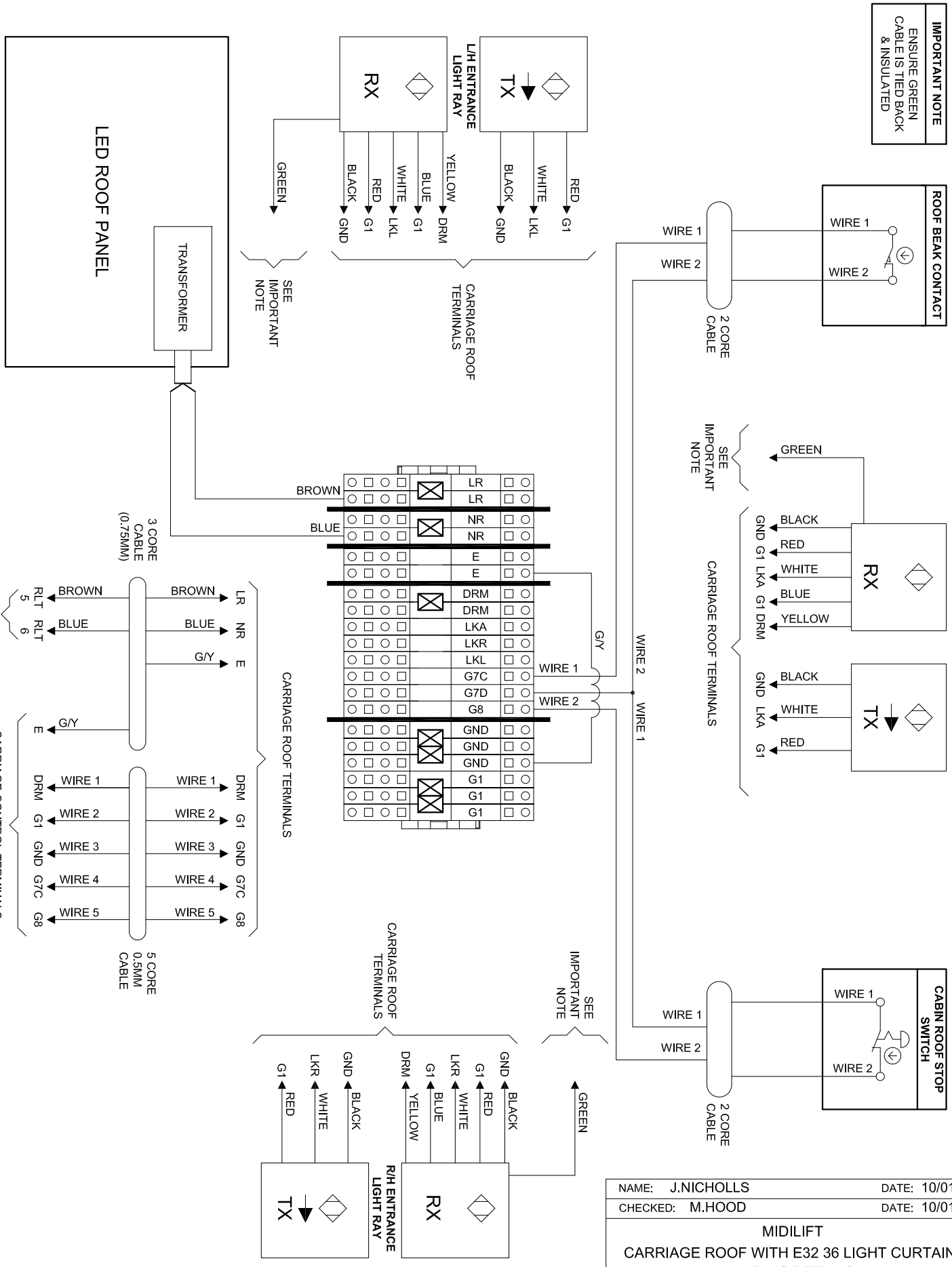
REV B: RX AND TX ALTERED TO SHOW CORRECT INPUT/OUTPUTS. JN. 27/05/14. A5573.
REV A: G1 AND GND SWAPPED TO AVOID THE POSSIBILITY OF A LINK BETWEEN G1 AND G8. JK. 14/08/13. A5511.

NAME:	J.NICHOLLS	DATE:	10/01/13
CHECKED:	M.HOOD	DATE:	10/01/13

MIDILIFT
CARRIAGE ROOF WITH ELITE 633 LIGHT CURTAINS
WIRING DETAILS

Stannah
HEAD OFFICE:
Anton Mill
Andover Hampshire
SP10 2NX England
Tel: 01264 339090 Fax: 337942

DRAWING NO: 9448-058 REV: B



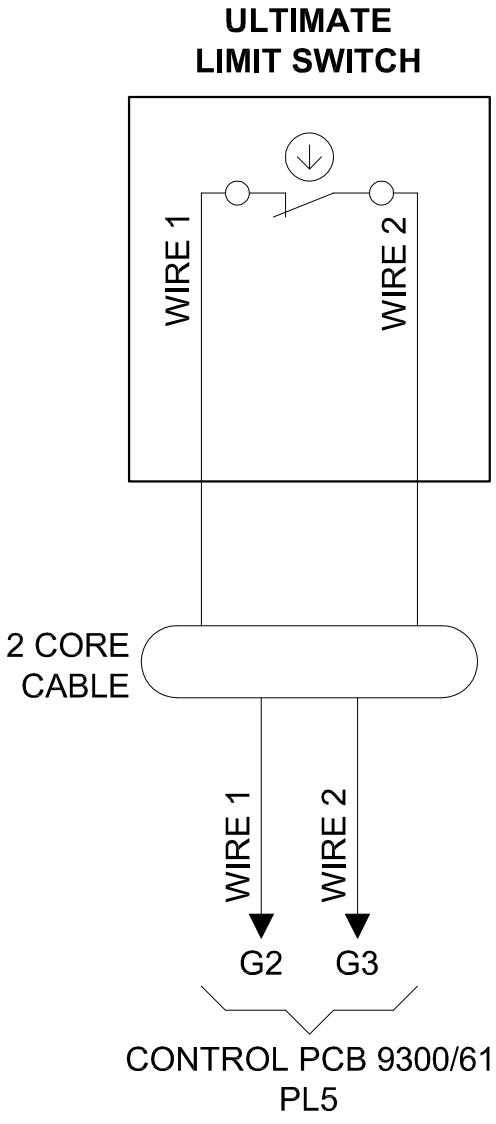
REV E: LIGHT RAYS UNDATED TO E32-36 TO INCLUDED HARDWIRED LINK. JN. 19/03/21. A6602.
REV D: G1 AND DRM WIRING DETAILS CHANGED ON THE RX LIGHT RAY. JN. 04/08/15. A5688.
REV C: DRAWING UPDATED TO REFLECT NEW MEMCO LIGHT CURTAIN. JN. 03/11/14. A5513.
REV B: RX AND TX ALTERED TO SHOW CORRECT INPUT/OUTPUTS. JN. 27/05/14. A5573.
REV A: G1 AND GND SWAPPED TO AVOID THE POSSIBILITY OF A LINK BETWEEN G1 AND G8. JK. 14/08/13. A5511.

NAME:	J.NICHOLLS	DATE:	10/01/13
CHECKED:	M.HOOD	DATE:	10/01/13

MIDILIFT
CARRIAGE ROOF WITH E32 36 LIGHT CURTAINS
WIRING DETAILS

Stannah
HEAD OFFICE:
Anton Mill
Andover Hampshire
SP10 2NX England
Tel: 01264 339090 Fax: 337942

DRAWING NO: 9448-058 REV: E

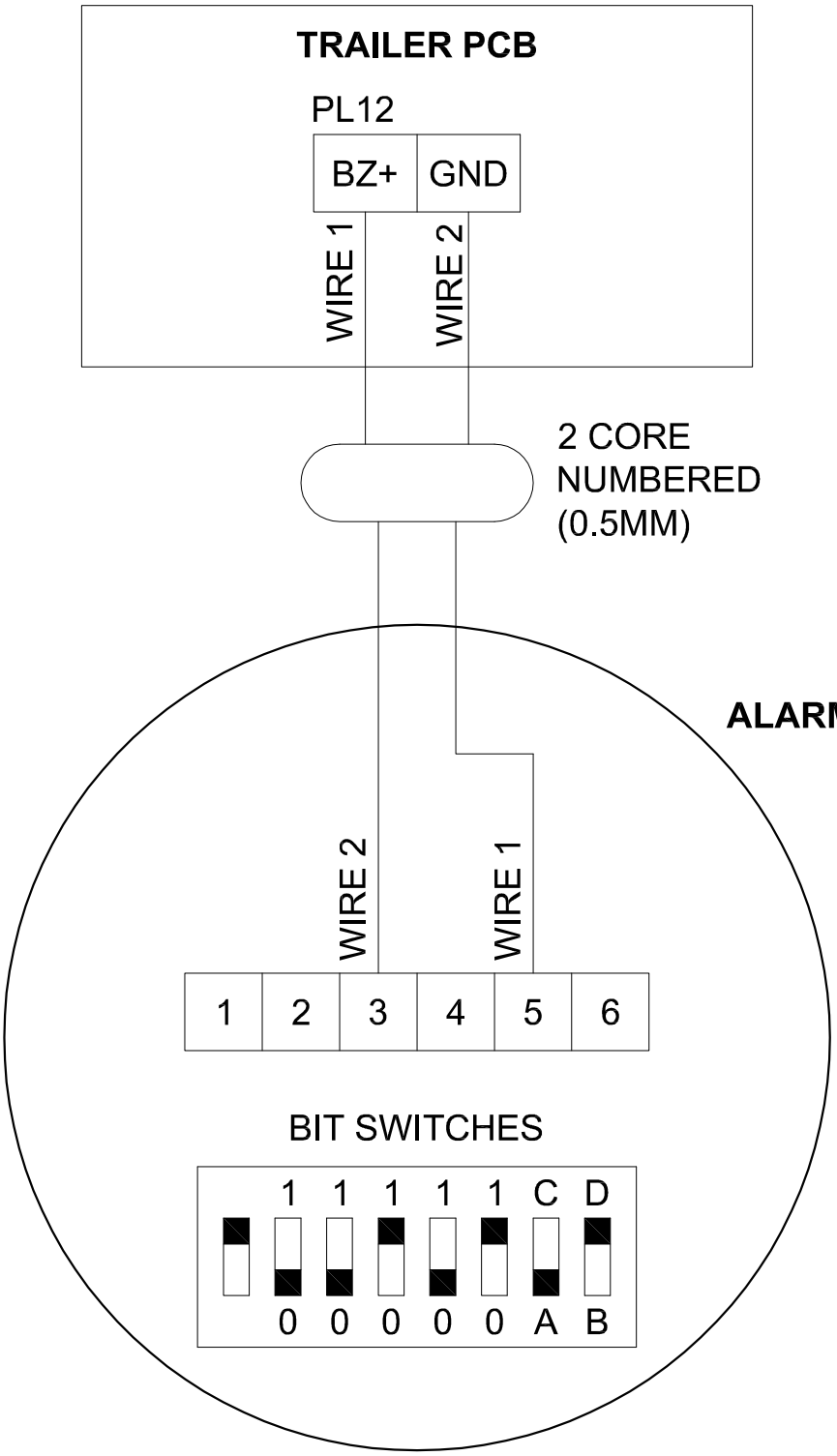


NAME:	M.HOOD	DATE:	24/11/15
CHECKED:	J.NICHOLLS	DATE:	25/11/15

MIDILIFT CABIN
ULTIMATE LIMIT SWITCH
CONNECTION DETAILS

Stannah
HEAD OFFICE:
Anton Mill
Andover Hampshire
SP10 2NX England
Tel: 01264 339090 Fax: 337942

DRAWING NO: 9448-87 REV:



IMPORTANT NOTES:

1. ALARM TO BE MOUNTED WITHIN A 5 METRE RADIUS OF THE LIFT.

2. SET BIT SWITCHES AS SHOWN.

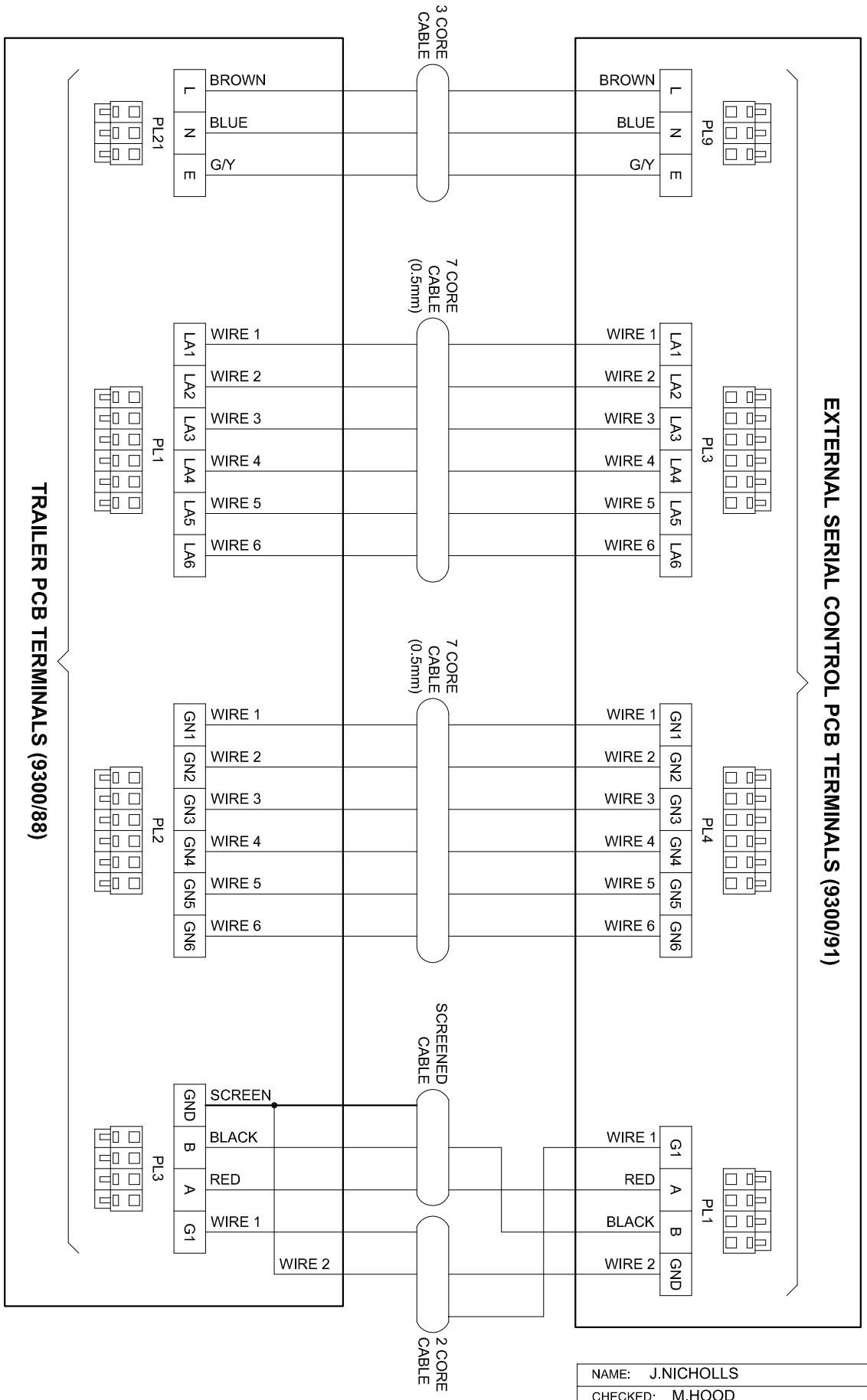
NAME:	J.NICHOLLS	DATE:	17/02/10
CHECKED:	M.HOOD	DATE:	17/02/10

MIDILIFT XL+
ALARM SOUNDER
CONNECTION DETAILS

Stannah
HEAD OFFICE:
Anton Mill
Andover Hampshire
SP10 2NX England
Tel: 01264 339090 Fax: 337942

REV A: CABLE LENGTH REMOVED. UPDATED FOR NEW LOGO AND TEXT FONT. 20/07/2010 JN.

DRAWING NO: 9448-032 REV: A



NAME:	J.NICHOLLS	DATE:	17/02/10
CHECKED:	M.HOOD	DATE:	17/02/10

MIDILIFT XL+

EXTERNAL SERIAL CONTROL PCB

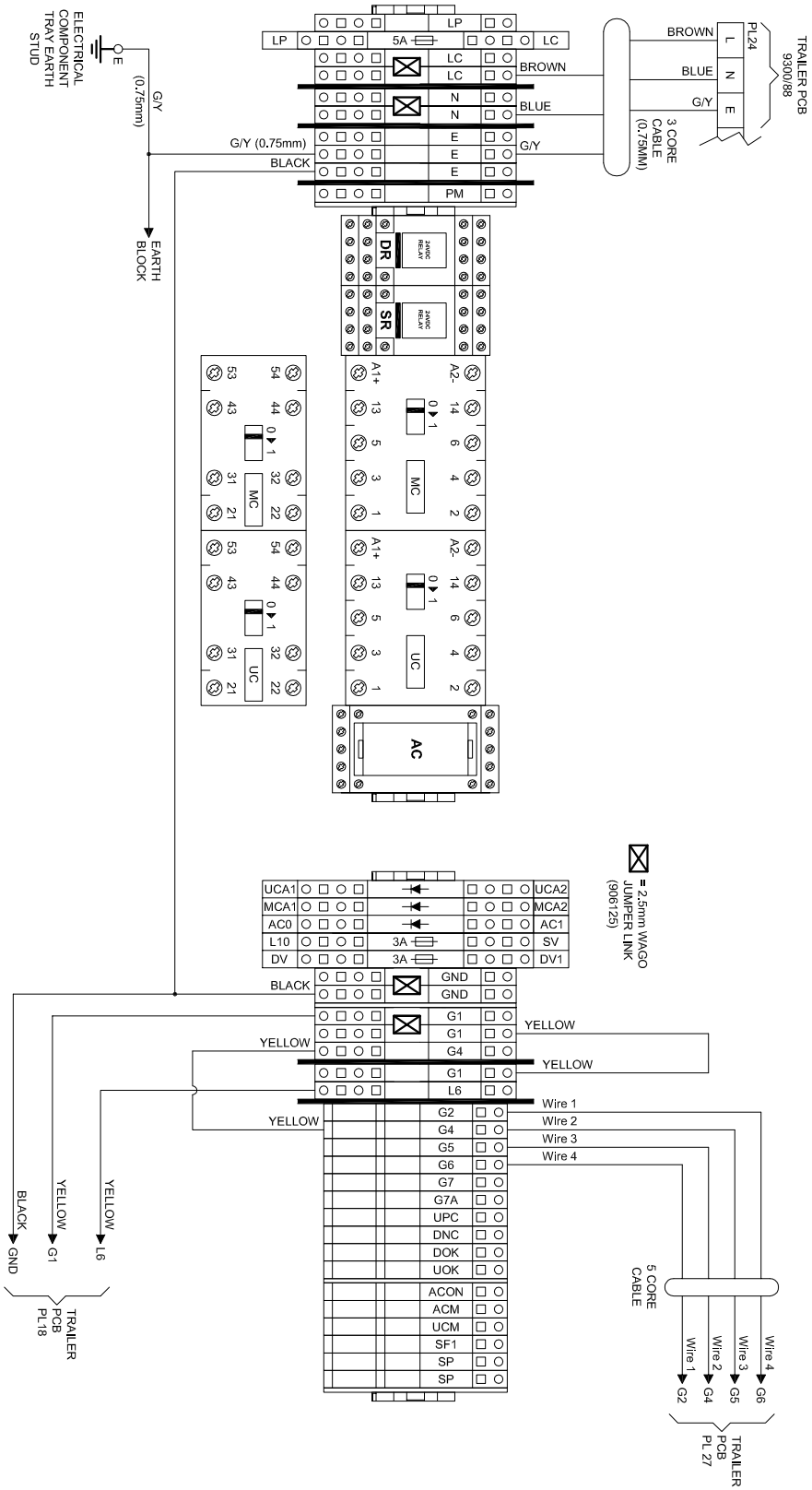
Stannah

HEAD OFFICE:
Anton Mill
Andover Hampshire
SP10 2NX England

Tel: 01264 339090 Fax: 337942

REV A: UPDATED FOR NEW LOGO AND TEXT FONT. 29/07/2010 JN.

DRAWING NO: 9448-023 REV: A



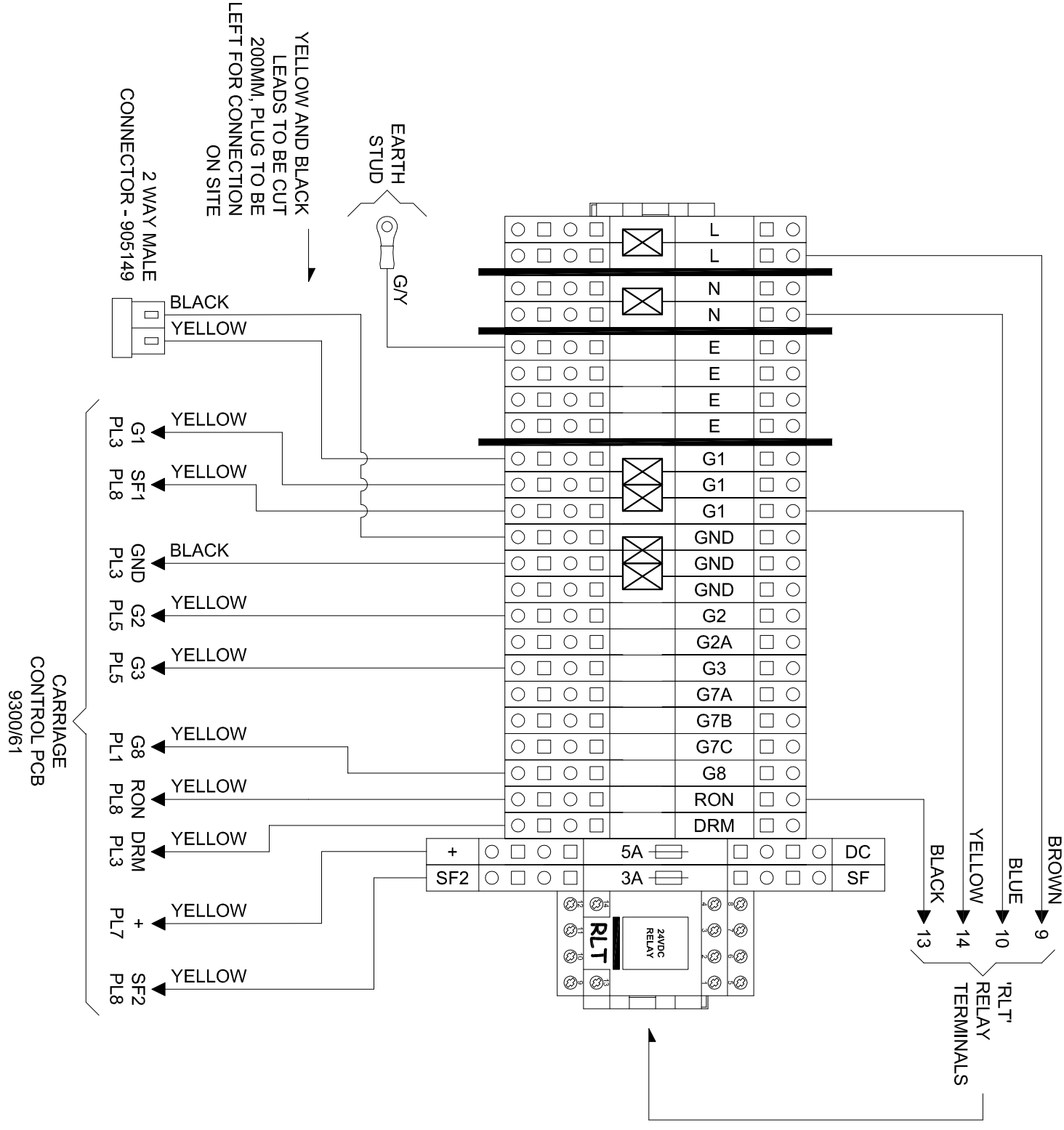
NAME: J.NICHOLLS	DATE: 16/08/2012
CHECKED: M.HOOD	DATE: 16/08/2012

MIDILIFT SL+
TRAILER CONNECTION
BOX TERMINALS

Stannah
HEAD OFFICE:
Anton Mill
Andover Hampshire
SP10 2NX England
Tel: 01264 339090 Fax: 337942

REV A: WIRING FOR ALARM REMOVED FROM DRAWING TO REFLECT NEW INTERCOM. 12/04/13 JK.

DRAWING NO: 9448-060 | REV: A



NAME: J.NICHOLLS	DATE: 07/01/13
CHECKED: M.HOOD	DATE: 07/01/12

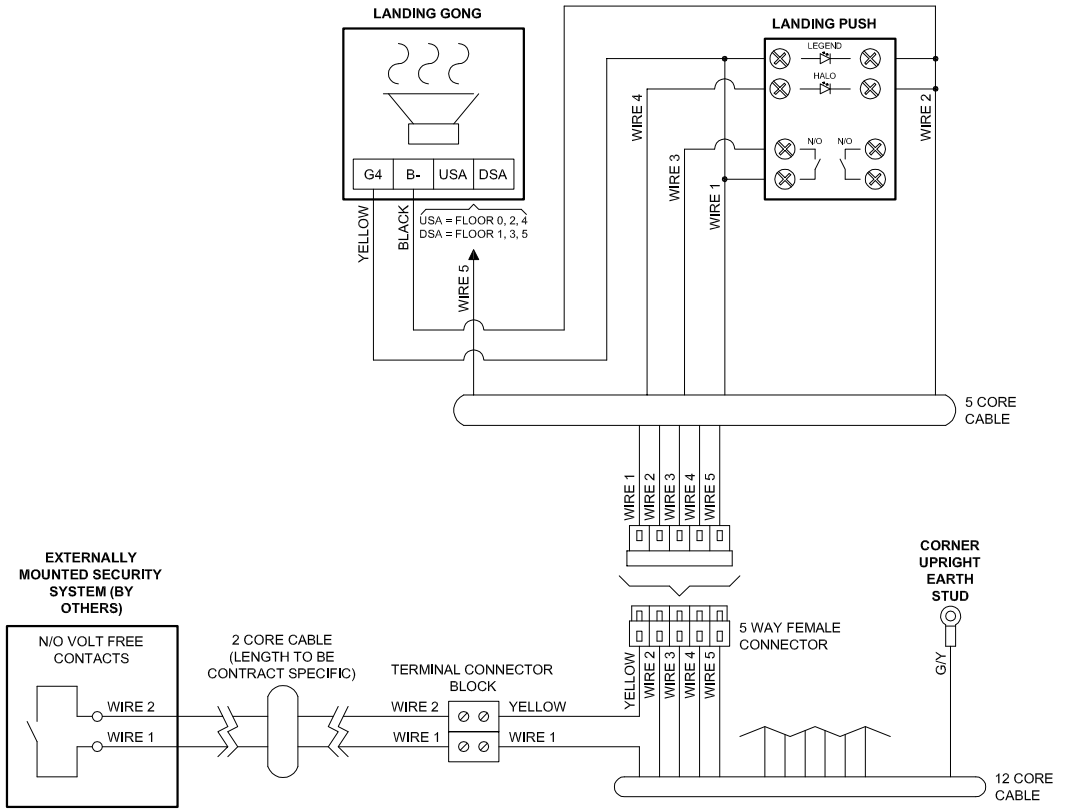
MIDILIFT
CARRIAGE CONTROL TRAY TERMINAL
FOR CABIN AND POWER SUPPLY

Stannah
HEAD OFFICE:
Anton Mill
Andover Hampshire
SP10 2NX England
Tel: 01264 339090 Fax: 337942

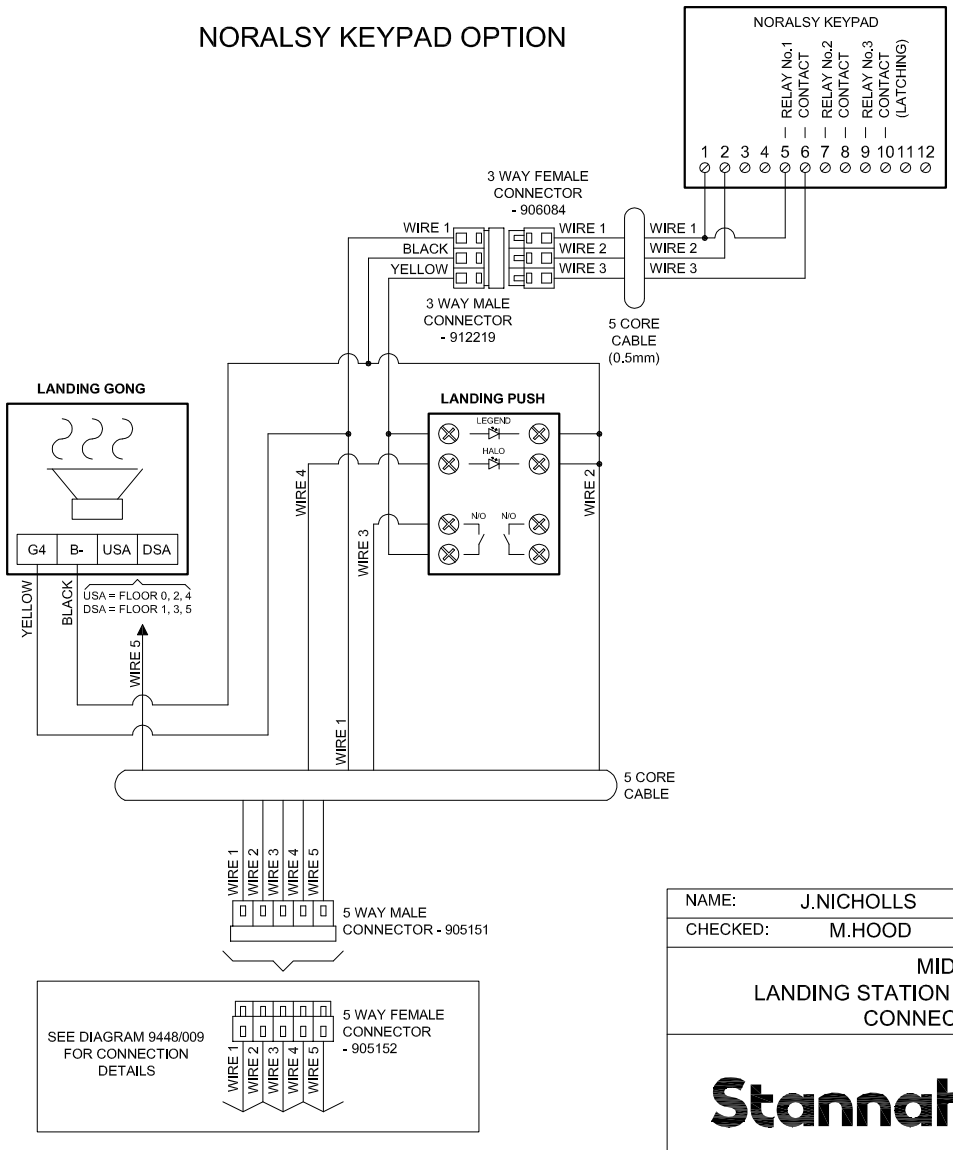
REV A: 'BC6' LABEL CHANGED TO '+' AND WIRING FROM '+' ADDED. JN. 09/06/13.ECN A5513

DRAWING NO: 9448-063 REV: A

SECURITY SYSTEM BY OTHERS



NORALSY KEYPAD OPTION



NAME:	J.NICHOLLS	DATE:	05/01/12
CHECKED:	M.HOOD	DATE:	05/01/12

MIDILIFT XL+
LANDING STATION WITH NORALSY KEYPAD
CONNECTION DETAILS

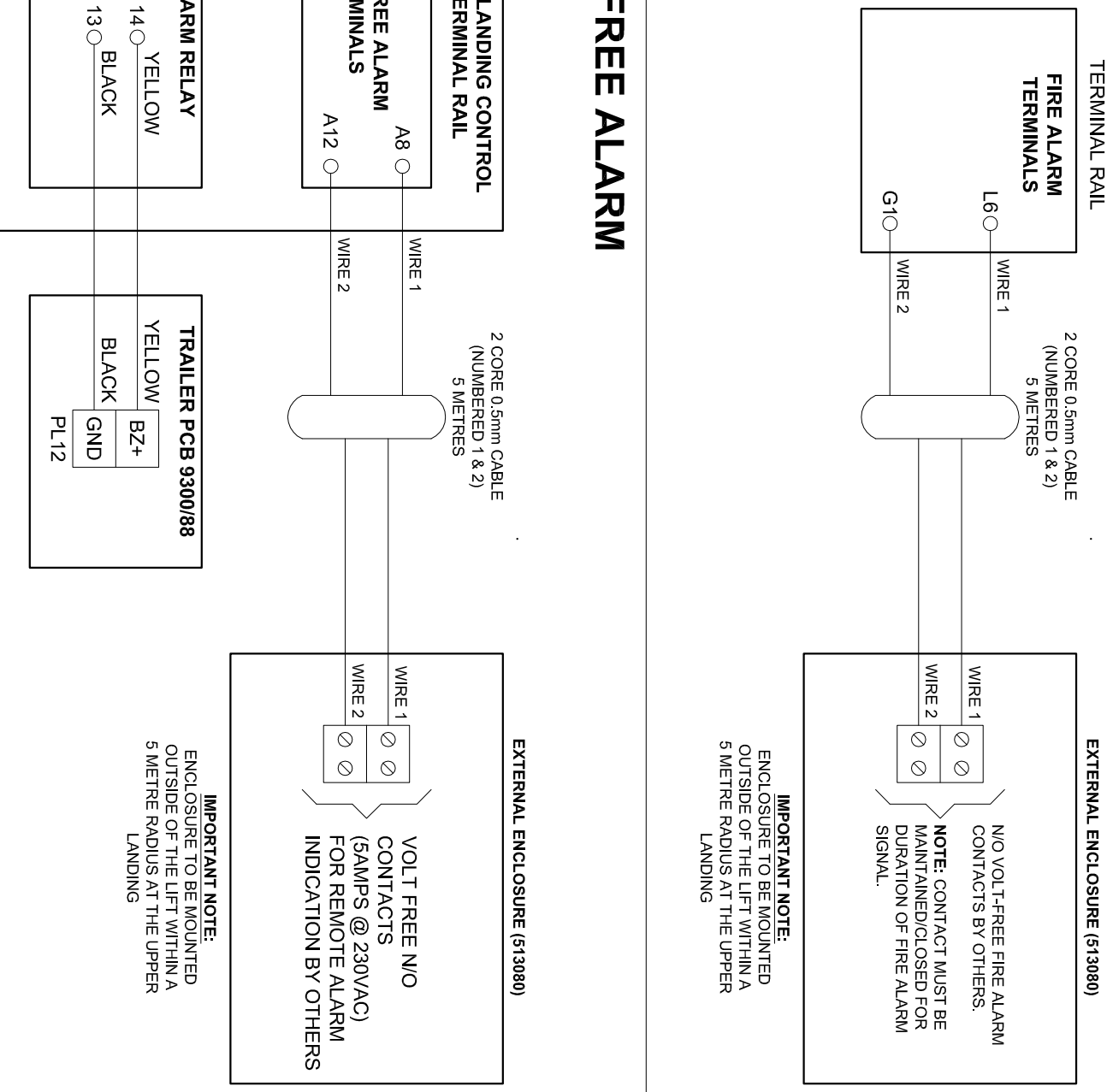
Stannah

HEAD OFFICE:
Anton Mill
Andover Hampshire
SP10 2NX England
Tel: 01264 339090 Fax: 337942

DRAWING NO: 9448-051 REV: A

REV A: SECURITY SYSTEM BY OTHERS ADDED. ECN A5688 JN 03/09/15

FIRE ALARM



VOLT FREE ALARM

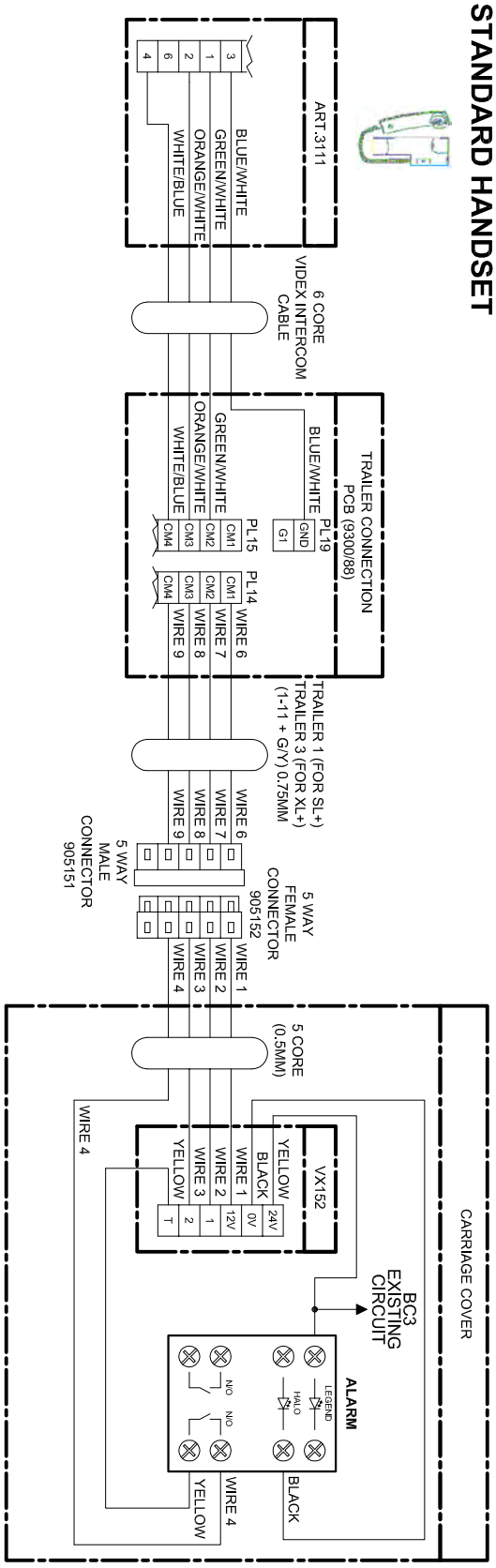
NAME: J.KENT	DATE: 30/07/12
CHECKED: M.HOOD	DATE: 30/07/12

MIDILIFT XL+
VOLT FREE OPTION
ENCLOSURE CONNECTION DETAILS

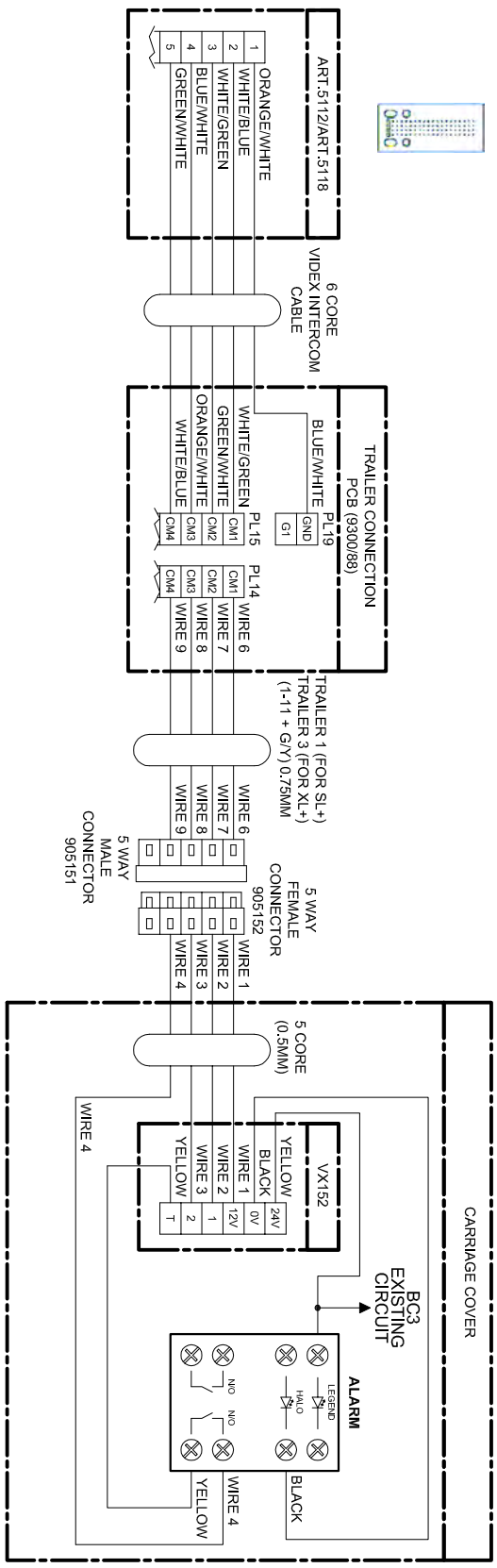
Stannah
HEAD OFFICE:
Anton Mill
Andover Hampshire
SP10 2NX England
Tel: 01264 339090 Fax: 337942

DRAWING NO: 9448-054 | REV:

STANDARD HANDSET



SIMPLEX OPTION



NAME:	J.KENT	DATE:	09/04/13
CHECKED:	M.HOOD	DATE:	09/04/13

MIDILIFT CABIN
VIDEX INTERCOM
CONNECTION DETAILS

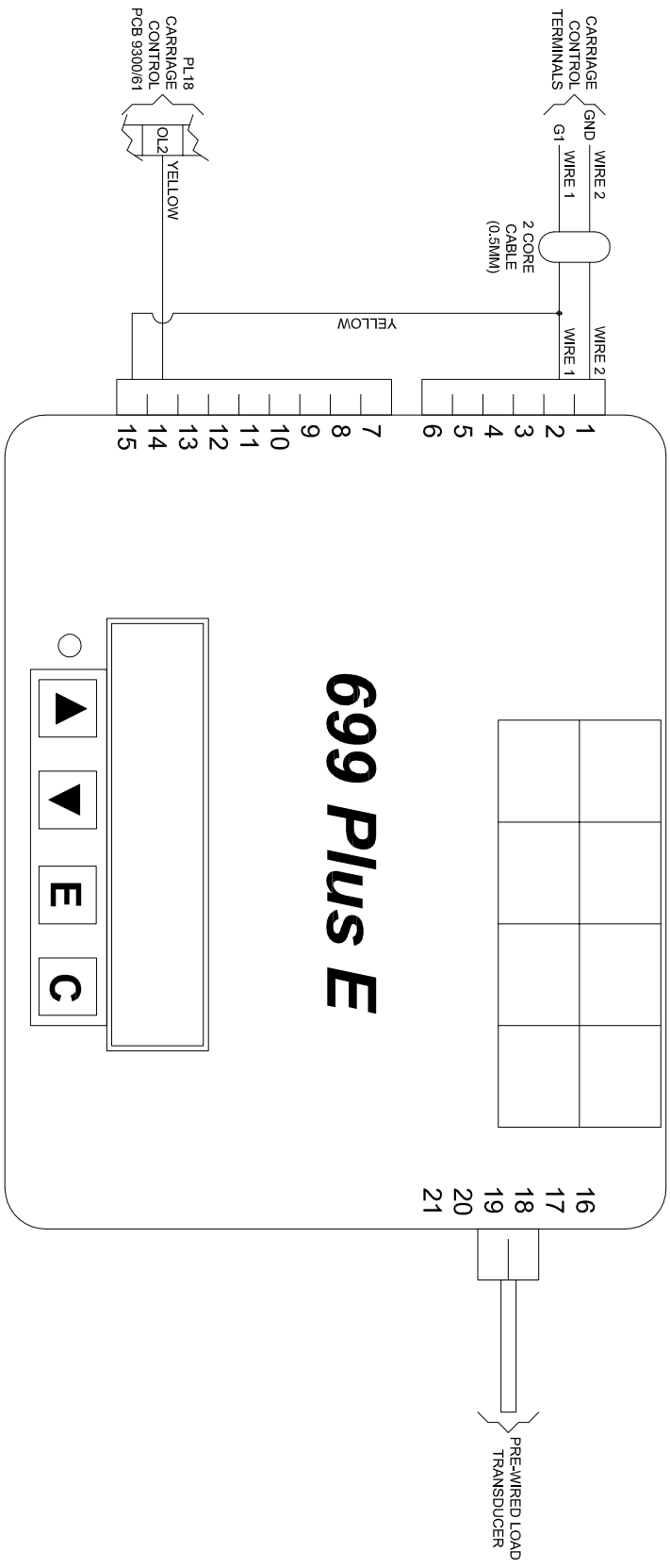
Stannah

HEAD OFFICE:
Anton Mill
Andover Hampshire
SP10 2NX England
Tel: 01264 339090 Fax: 337942

DRAWING NO: 9448-070 REV: B

REV C: TRAILER NUMBER UPDATED TO SHOW SL+ & ART.5112/ART.5118 WIRING UPDATED. 27/05/2014 JN A5573.

REV A: TERMINAL BLOCK REMOVED. JK. 02/07/13. A5511.



NAME:	M.HOOD	DATE:	17/02/10
CHECKED:	J.NICHOLLS	DATE:	17/02/10

OVERLOAD DEVICE
CONNECTION DETAILS

REV D: WIRE NUMBERS OF 2 CORE CABLE AMENDED TO SUIT UPDATED OVERLOAD. JN 04/12/17

REV C: WIRE NUMBERS OF 2 CORE CABLE ADDED. MH 12/04/12 A5277

REV B: DRAWING CHANGED TO REFLECT NEW LOAD WEIGHING DEVICE. 03/02/2012 JK. A5195

REV A: UPDATED FOR NEW LOGO AND TEXT FONT. 29/07/2010 JN.

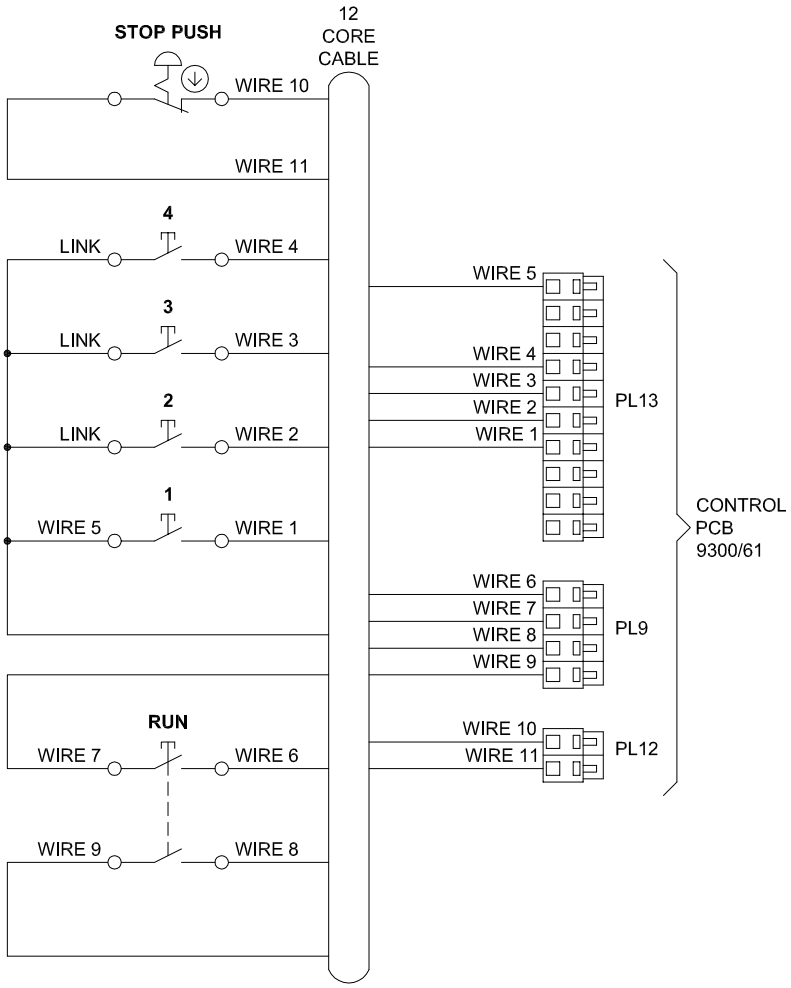
Stannah

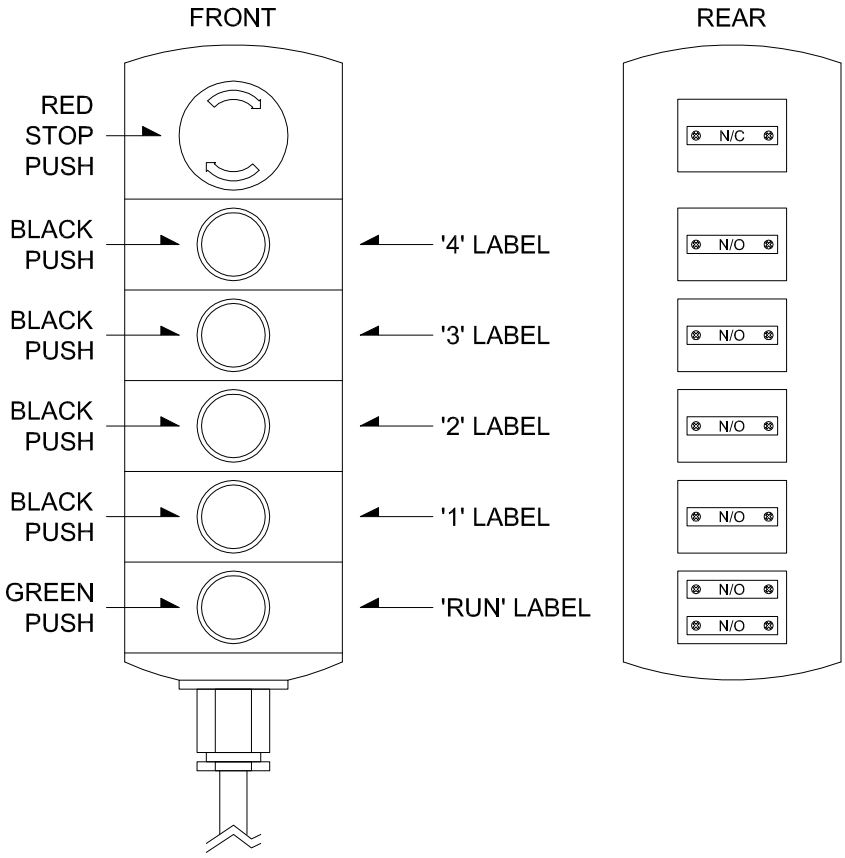
HEAD OFFICE:
Anton Mill
Andover Hampshire
SP10 2NX England

Tel: 01264 339090 Fax: 337942

DRAWING NO: 9448-029 REV: D

INSTALLERS PENDANT CONTROL



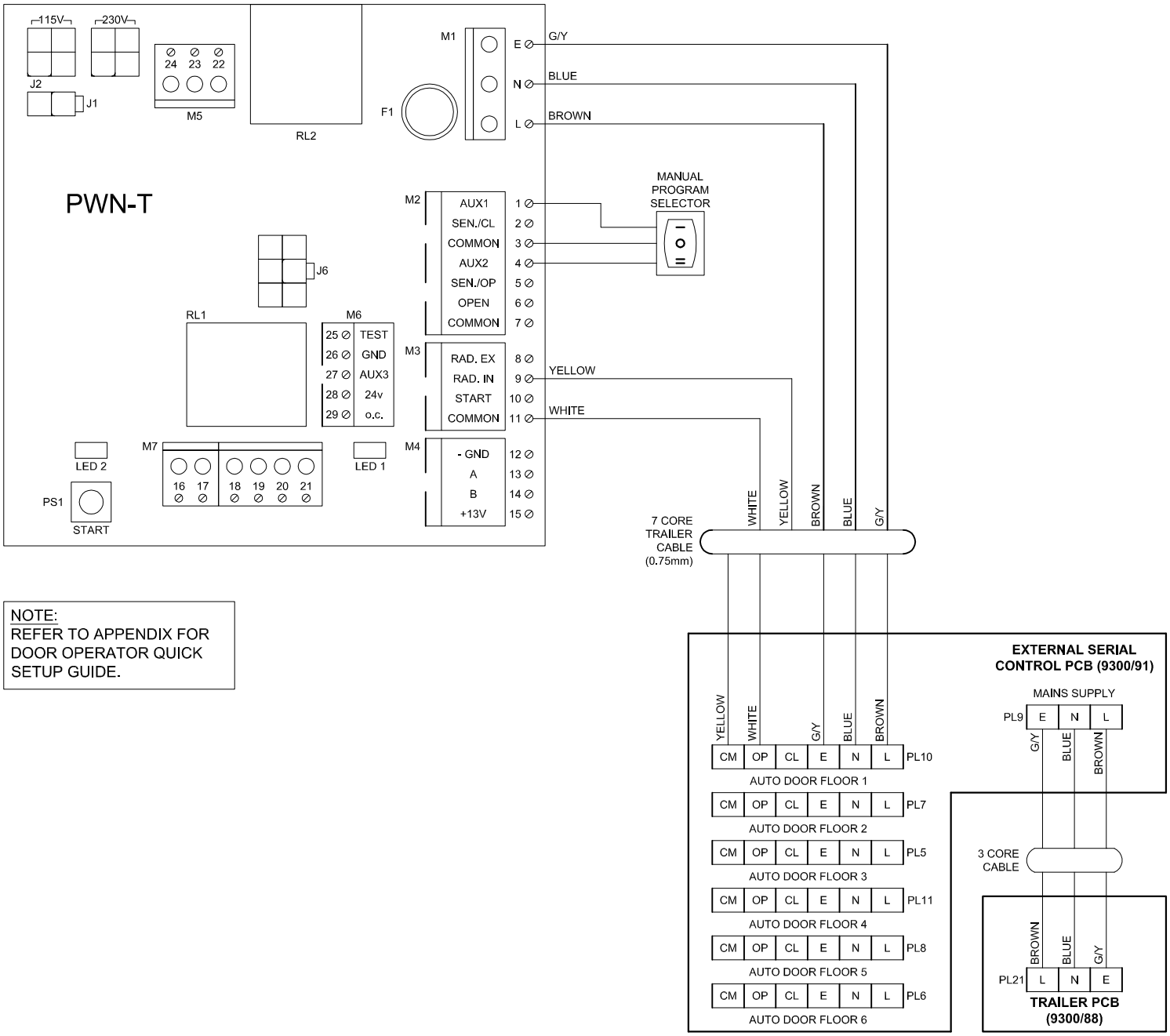


NAME:	J.NICHOLLS	DATE:	08/08/16
CHECKED:	M.HOOD	DATE:	08/08/16

PENDANT CONTROL
CONNECTION DETAILS
(MIDILIFT MULTI-FLOOR PCB)

Stannah
HEAD OFFICE:
Anton Mill
Andover Hampshire
SP10 2NX England
Tel: 01264 339090 Fax: 337942

DRAWING NO: 9448-88 REV:



NOTE:
REFER TO APPENDIX FOR DOOR OPERATOR QUICK SETUP GUIDE.

NAME:	J.NICHOLLS	DATE:	30/03/16
CHECKED:	M.HOOD	DATE:	30/03/16

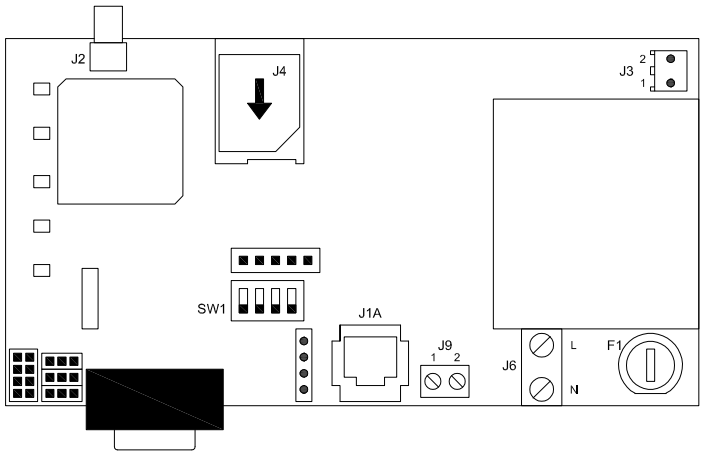
MIDILIFT SL MULTI-FOOR
LABEL NEPTIS AUTO DOOR OPERATOR
CONNCTION DETAILS

Stannah

HEAD OFFICE:
Anton Mill
Andover Hampshire
SP10 2NX England

Tel: 01264 339090 Fax: 337942

DRAWING NO: 9446/55 REV:



MEMCO GSM - Quick setup guide

For full details refer to the '**DPC Installation Guide**' which can be accessed on the Avire website (www.avire-global.com)

IMPORTANT NOTE: MAINS SUPPLY SHOULD BE DISCONNECTED BEFORE BEGINNING THIS PROCEDURE.

1. SETTING UP THE DEVICE

A. Insert SIM card into plug J4, pressing it in until it clicks.
B. Ensure that the antenna is securely connected to plug J2.
C. Connect the pre-wired battery lead to plug J3.

2. CHECKING THE NETWORK COVERAGE

A. Ensure all previous steps have been completed.
B. Turn the first dip switch SW1 to On.
C. The five LEDs on the front will show the network signal level.
D. Once a suitable location has been found, switch SW1 to OFF and fix in position.

3. WIRING THE GSM

A. Connect the mains power supply to plug J6.
B. Phone line connection between plug J9 (GSM unit) and CM1/CM2 (lift trailer PCB) as per below:
   - J9 terminal 1 to CM2.
   - J9 terminal 2 to CM1.

4. CONFIGURING THE GSM (via local telephone mode)

A. Connect an analogue telephone handset into J1A.
B. Pick up the handset and after hearing the dial tone, enter the access command ***#*1234*#***.
C. Change parameter value P020 to value 00, by entering the following combination on the handset keypad *020#00#.
D. Hang up the phone to complete configuration.

NAME: J.NICHOLLS	DATE: 02/08/18
CHECKED: M.HOOD	DATE: 02/08/18

MIDILIFT
MEMCO GSM (DCP UNIT)
WIRING / SETUP GUIDE

Stannah
HEAD OFFICE:
Anton Mill
Andover Hampshire
SP10 2NX England
Tel: 01264 339090 Fax: 337942

REV A: MINOR ALTERATIONS TO PROCEDURE WORDING . MH 08/02/19 A6261.

DRAWING NO: 9452044 REV: A

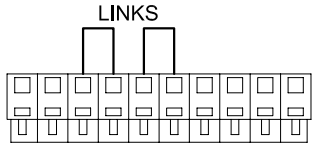
IMPORTANT NOTE:
IT IS ACCEPTED THAT PERSONS CARRYING OUT THIS INSTALLATION HAVE ALREADY BEEN TRAINED TO THE REQUIRED LEVEL - THIS PROCEDURE IS FOR GUIDANCE ONLY.

CHECK THE FOLLOWING BEFORE BEGINNING PROCEDURE -

- LOWER STRUCTURE IS BUILT AND CARRIAGE IS SECURE WITHIN THE GUIDES.
- LIFT POWER SUPPLY IS TURNED OFF.

STEP 1 - LINK OUT ALL UNINSTALLED LANDING BEAKS AND SOLENOID SAFETY SWITCHES USING LINKING PLUGS PROVIDED.

CONNECT LINKING PLUGS INTO LANDING SOCKETS 1-6 ON THE TRAILER PCB (**9300/88**).



THESE LINKS ARE REQUIRED TO MAINTAIN A CIRCUIT BETWEEN POINTS **'G4'** TO **'G5'** AND **'G5'** TO **'G6'** WITHIN THE SAFETY CHAIN.

STEP 2 - INSTALLATION SHORTING LINK TO BE FITTED BETWEEN TERMINALS G7A AND G8 ON THE CARRIAGE CONTROL TERMINAL RAIL.

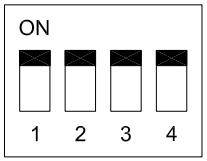
THIS LINK IS REQUIRED TO CREATE A TEMPORARY SHORT FOR THE UNINSTALLED ROOF SAFETY AND PLATFORM SWITCHES.

STEP 3 - CONNECT INSTALLERS PENDANT CONTROL BOX.

INSTALLATION OF MIDILIFT SL+ **SHOULD NOT BE ATTEMPTED** WITHOUT THE USE OF A PENDANT CONTROL BOX.

STEP 4 - SELECT THE INSTALLATION OPERATION FROM THE LEARN MODE INTERFACE ON MAIN CONTROL PCB (9300/61).

WHENEVER USING THE LIFT AS A WORKING PLATFORM LIFT MUST ALWAYS BE OPERATING IN INSTALLATION MODE. ALL LANDING CALLS ARE IGNORED IN THIS MODE.



ALL SWITCHES 'ON' = INSTALLATION MODE OPERATION

STEP 5 - TURN ON LIFT.

STEP 6 - USING THE PENDANT CONTROLLER, RAISE CARRIAGE AND INSTALL CABIN FLOOR AND WORKING PLATFORM.

DRIVE UP = **'RUN'** + **'2'**

DRIVE DOWN = **'RUN'** + **'1'**

STEP 7. INSTALL THE REMAINING STRUCTURE.

ENSURE THAT ALL SAFETY SWITCHES ARE INSTALLED AT THE EARLIEST OPPORTUNITY (I.E. PIT/ROOF AND ULTIMATE LIMIT SWITCHES).
REMOVE RELEVANT LANDING STATION LINK PLUGS AS EACH LANDING STATION IS INSTALLED.

STEP 8. TURN OFF LIFT SUPPLY.

STEP 9. REFER TO INSTALLATION MANUAL FOR CONSTRUCTION OF CABIN.

STEP 10. RECORD FLOOR LEVELS.

FOLLOW INSTRUCTION GIVEN IN **APPENDIX C** WITHIN THE WIRING MANUAL.

IMPORTANT NOTE: IT WILL NOT BE NECESSARY TO HAVE ANY SHORTING PLUGS/LINKS FITTED AT THIS STAGE - ENSURE THAT THEY ARE ALL REMOVED.

APPENDIX A - MIDILIFT SL+ INSTALLATION GUIDE

REV A: REFERENCE TO RUNNING THE LIFT IN INSTALLATION MODE. 08/07/2013 JN

APPENDIX B – FAULT CODE LIST

Certain fault conditions will cause the controller to latch the lift out of service.
When this happens, the relevant fault code will be displayed on all lift digital display units (DDU's) and the lift will be latched out of service.

The lift supply will need to be cycled in order to clear the latch fault and return the lift to normal service (NOTE: After supply has been re-instated the lift will 'RESET' to the bottom floor).

FAULT CODES:

DDU DISPLAY	DESCRIPTION
A	**ENCODER MOVEMENT FAULT** No encoder movement was detected during last run attempt. • If lift moved (i.e. is away from floor level) then check encoder assembly for fault. • If lift did not move (i.e. is at floor level) then check run circuit for fault.
B	**JOURNEY TIME FAULT** Maximum journey time exceeded. Check inverter/drive system for errors. Confirm journey time selection using **SWITCH 2**. • **ON** = 30 sec (SL+ / PICCOLO DIRECT) 70 sec (PICCOLO 2:1) • **OFF** = 60 sec (SL+ / PICCOLO DIRECT) 120 sec (PICCOLO 2:1)
C	**LIGHT RAY FAULT** Lift controller failed to detect a light ray input during the last 10 consecutive door open commands. • Check for misuse of lift. • Possible faulty light ray – monitor '**DRM**' input with light ray activated.
D / J	**RUN CONTACT FAULT** Run contact monitor input received whilst lift is stationary. Check the following – • Wiring of 'MC' contactor. • Faulty 'MC' contactor (i.e. permanently energised).
E	**ANTI-SURF FAULT (landing door beaks)** Landing door has been manually released whilst lift in normal service. Fault can also occur if door beak contacts have gone out of alignment. Check the following – • Misuse of lift. • Landing door beak alignment.
F	**ANTI-CREEP RELAY FAULT** Controller has detected an input to terminal **'ACM'** (Anti-Creep Monitor) when not in anti-creep mode. Check the following – • Wiring to Anti-creep Relay. • Faulty Anti-Creep Relay (i.e. permanently energised).
G	**ANTI-SURF FAULT (car door beaks)** Car door has been manually released whilst lift in normal service. Fault can also occur if door beak contacts have gone out of alignment. Check the following – • Misuse of lift. • Car door beak alignment.
I / K	**PRE RUN FAULT** **Fault K** - is detected if lift is ready to run (UOK or DOK are ON) but safety chain has been lost at either G4, G5 or G6 without anticreep output set. **Fault I** - is detected if lift is running in one direction but has 'ready to run' input in opposite direction (i.e. up/down interlock has failed).
R	**RESET MODE** Lift attempting to reset to bottom floor. If no lift movement or directional arrow shown please check for break in the safety chain.

Rev E: Faults I/K updated – 26/03/2018 – JN – A6144
Rev D: Piccolo 2:1 reference added - 15/03/16 - MH - A5735
Rev C: Fault I added – 11/08/15 – JN – A5688
Rev B: Piccolo fault codes added - 04/08/14 - MH – A5594
Rev A: Fault A description changed - 13/08/13 - JK - A5511

IMPORTANT NOTE

BEFORE BEGINNING LEARN MODE PROCEDURE -

- **CHECK THAT ALL SAFETY DEVICES ARE INSTALLED AND FUNCTIONING CORRECTLY.**
- **MOTOR CALIBRATION HAS BEEN COMPLETED (APPENDIX I).**
- **BOTH THE INSTALLER PENDANT CONTROLLER AND DDU/SPEAKER BOX MUST BE USED TO OPERATE THE LIFT IN LEARN MODE DURING INSTALLATON.**
- **TO ENABLE SERVICE ENGINEERS TO RE-REPGRAMME FLOOR LEVELS, COP PUSH BUTTONS CAN BE USED IN PLACE OF A PENDANT CONTROLLER. SEE 'COP CONTROL' SECTION.**

IMPORTANT NOTE:
IT IS ACCEPTED THAT PERSONS CARRYING OUT THIS INSTALLATION HAVE ALREADY RECEIVED FORMAL TRAINING.
THIS PROCEDURE IS FOR GUIDANCE ONLY.

SET A MINUS FLOOR
PRESS PENDANT 1
LA WILL APPEAR ON THE DDU

SET BIT SWITCH 1 = MINUS 1 FLOOR
SET BIT SWITCH 2 = MINUS 2 FLOOR
SET BIT SWITCH 3 = GROUND FLOOR

ONCE THE CORRECT BIT SWITCH IS SET,
PRESS THE RECORD BUTTON TO RETURN.

SET A FIRE FLOOR
PRESS PENDANT 2
LB WILL APPEAR ON THE DDU

SET BIT SWITCH 1 = 0 FLOOR
SET BIT SWITCH 2 = 1 FLOOR
SET BIT SWITCH 3 = 2 FLOOR
SET BIT SWITCH 1 & 2 = 3 FLOOR
SET BIT SWITCH 1 & 3 = 4 FLOOR

ONCE THE CORRECT BIT SWITCHES ARE SET,
PRESS THE RECORD BUTTON TO RETURN.

SET HOMING
PRESS PENDANT 3
LC WILL APPEAR ON THE DDU

CLEAR BIT SWITCH 1 = ENABLED (DEFAULT)
SET BIT SWITCH 1 = DISABLED

LIFT WILL HOME TO LOWEST FLOOR AFTER
OF PERIOD OF 15 MINUTES

ONCE THE CORRECT BIT SWITCHES ARE SET,
PRESS THE RECORD BUTTON TO RETURN.

SELECT CONSTANT PRESSURE MODE
PRESS PENDANT 1 + PENDANT 2
LD WILL APPEAR ON THE DDU

SET BIT SWITCH 1 = CONSTANT PRESSURE
(CONSTANT PRESSURE ON CAR CALLS ONLY)

ONCE THE CORRECT BIT SWITCH IS SET,
PRESS THE RECORD BUTTON TO RETURN.

STEP 1

TURN ON SWITCH 4 TO ACTIVATE LEARN MODE (LIFT WILL NOW RESET TO GROUND FLOOR).

STEP 2

LEARN 1 LED WILL APPEAR.

IF A MINUS FLOOR, FIRE SHUTDOWN OR HOMING FLOOR IS REQUIRED PRESS THE CORRESPONDING CAR CALL BUTTON.

SET TYPE OF DOOR

NO BIT SWITCHES = MANUAL DOOR
SET BIT SWITCH 1 = POWER DOOR

ONCE THE CORRECT BIT SWITCH IS SET,
PRESS THE '**RECORD**' BUTTON.

STEP 3

DRIVE LIFT TO NEXT FLOOR.

STEP 4

ONCE POSITIONED AT FLOOR LEVEL,
SET THE APPROPRIATE TYPE OF DOOR

NO BIT SWITCHES = MANUAL DOOR
SET BIT SWITCH 1 = POWER DOOR

STORE THE FLOOR LEVEL BY PRESSING THE '**RECORD**' BUTTON.

FLOOR LEVEL IS RECORDED ONCE THE NEXT '**LEARN**' LED IS ILLUMINATED.

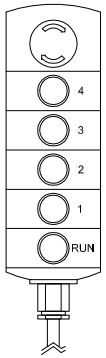
STEP 5

REPEAT STEPS **3** AND **4** TO PROGRAMME REMAINING FLOORS.

STEP 6

ONCE YOU HAVE PROGRAMMED THE FINAL FLOOR LEVEL, TURN OFF **SWITCH 4 TO EXIT LEARN MODE AND RETURN TO NORMAL OPERATION**.

PENDANT CONTROLS



PENDANT BUTTON 4 -
DOOR OPEN COMMAND
A MOMENTARY PRESS ENERGISES DOOR SOLENOID FOR 5 SECONDS.
NOTE: LIFT CAR MUST BE POSITIONED AT FLOOR LEVEL WITH SOLENOID RAMPS INSTALLED.

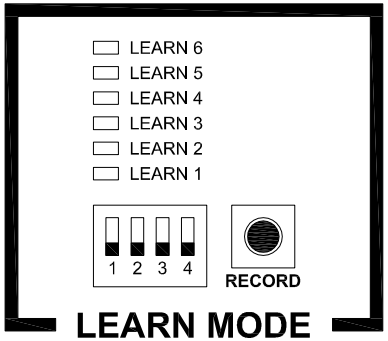
PENDANT BUTTON 2 -
LIFT RUN UP COMMAND REQUIRES CONSTANT PRESSURE.

PENDANT BUTTON 1 -
LIFT RUN DOWN COMMAND REQUIRES CONSTANT PRESSURE.

COP CONTROLS (**FOR SERVCE ENGINEERS**)

FLOOR LEVEL 1 -
LIFT RUN UP COMMAND REQUIRES CONSTANT PRESSURE.

FLOOR LEVEL 0 -
LIFT RUN DOWN COMMAND REQUIRES CONSTANT PRESSURE.



LEARN MODE INTERFACE

SWITCH 1 - DOOR VOICE ACTIVATION
ON = ENABLE DOOR OPENING ANNOUNCEMNT
OFF = NO ANNOUNCEMENT

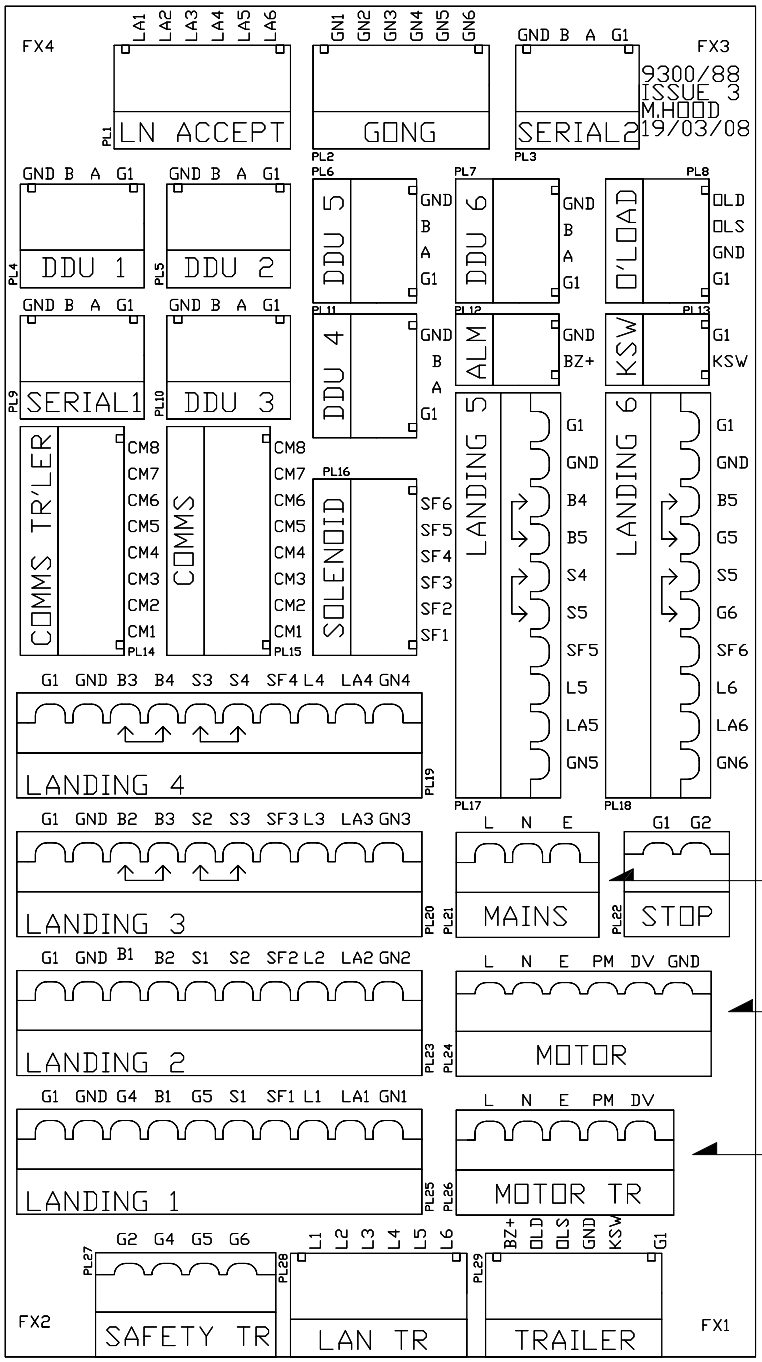
SWITCH 2 - JOURNEY TIME SELECTION
ON = 30 SECONDS
OFF = 60 SECONDS

SWITCH 3 - ADJUSTABLE DOOR DWELL TIME
ON = 10 SECONDS
OFF = 05 SECONDS

SWITCH 4 - LEARN MODE ACTIVATION
WILL PUT LIFT INTO LEARN MODE.

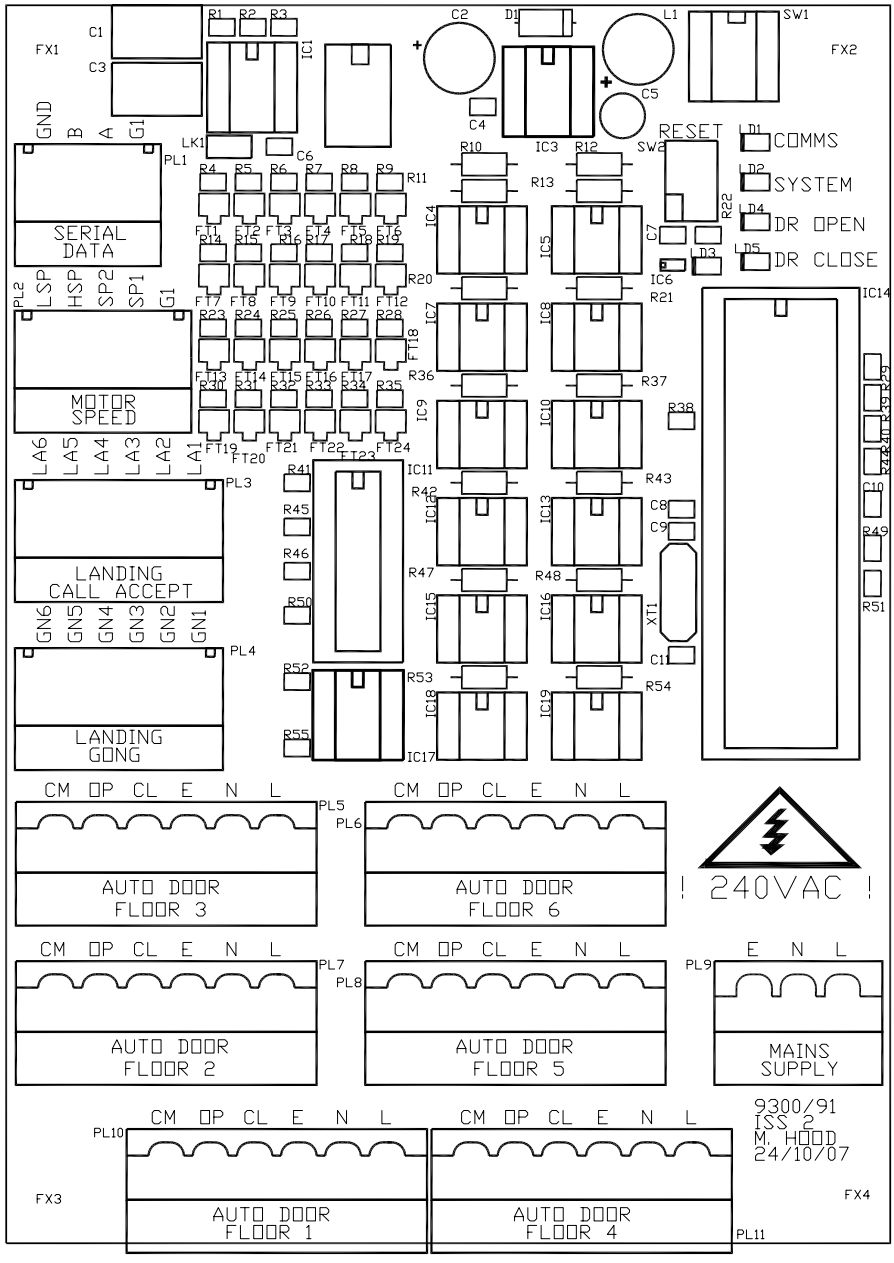
REV B: UPDATED TO ALLOW FOR OPTION TO BE PROGRAMMED IN LEARN MODE. 28/05/15 JN
REV A: JOURNEY TIME VALUES CHANGED. 08/07/13 JN

APPENDIX C
MIDILIFT SL+
LEARN MODE PROCEDURE



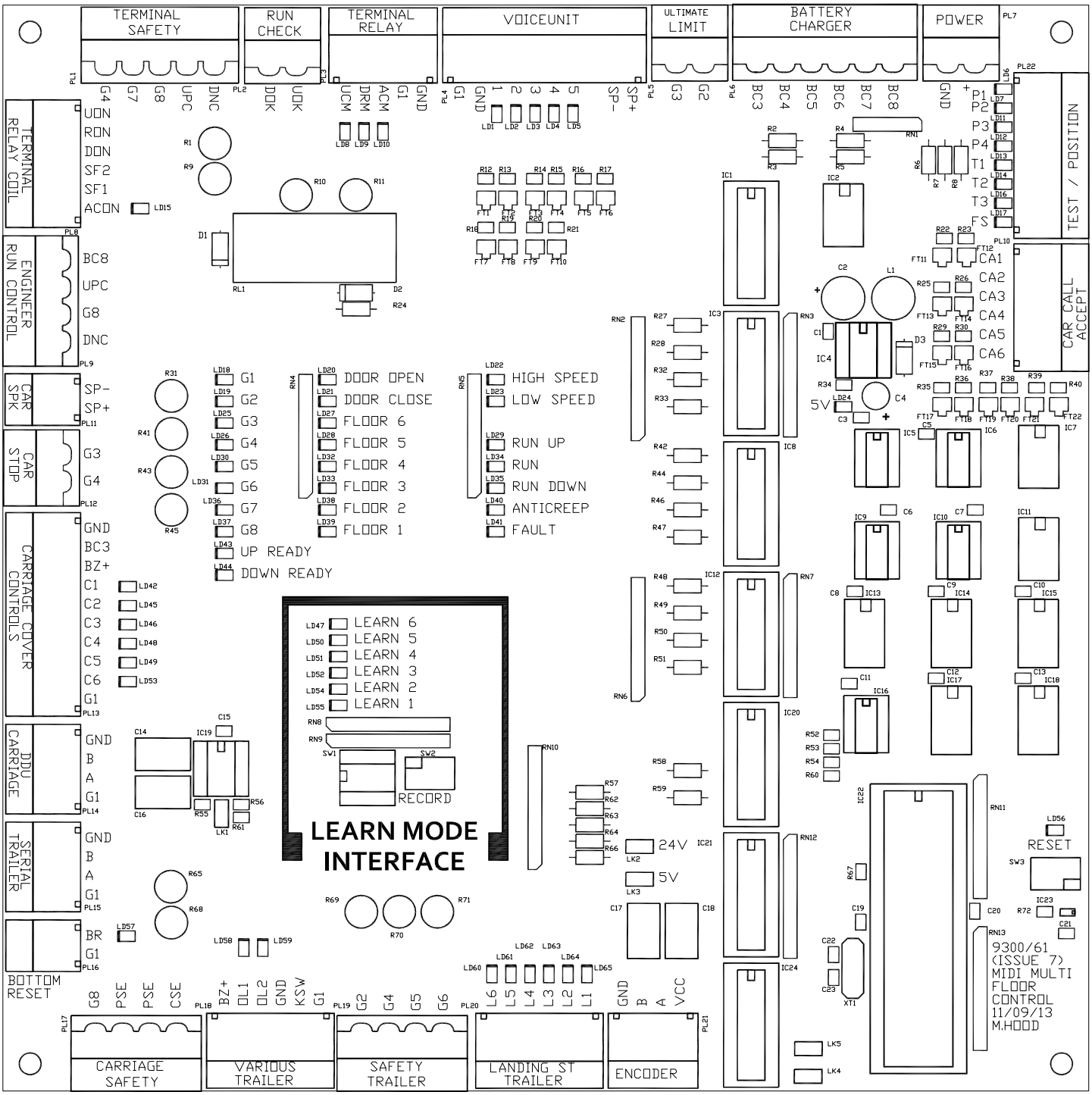
! WARNING !
MAINS VOLTAGE
TERMINALS

APPENDIX D - TRAILER PCB LAYOUT



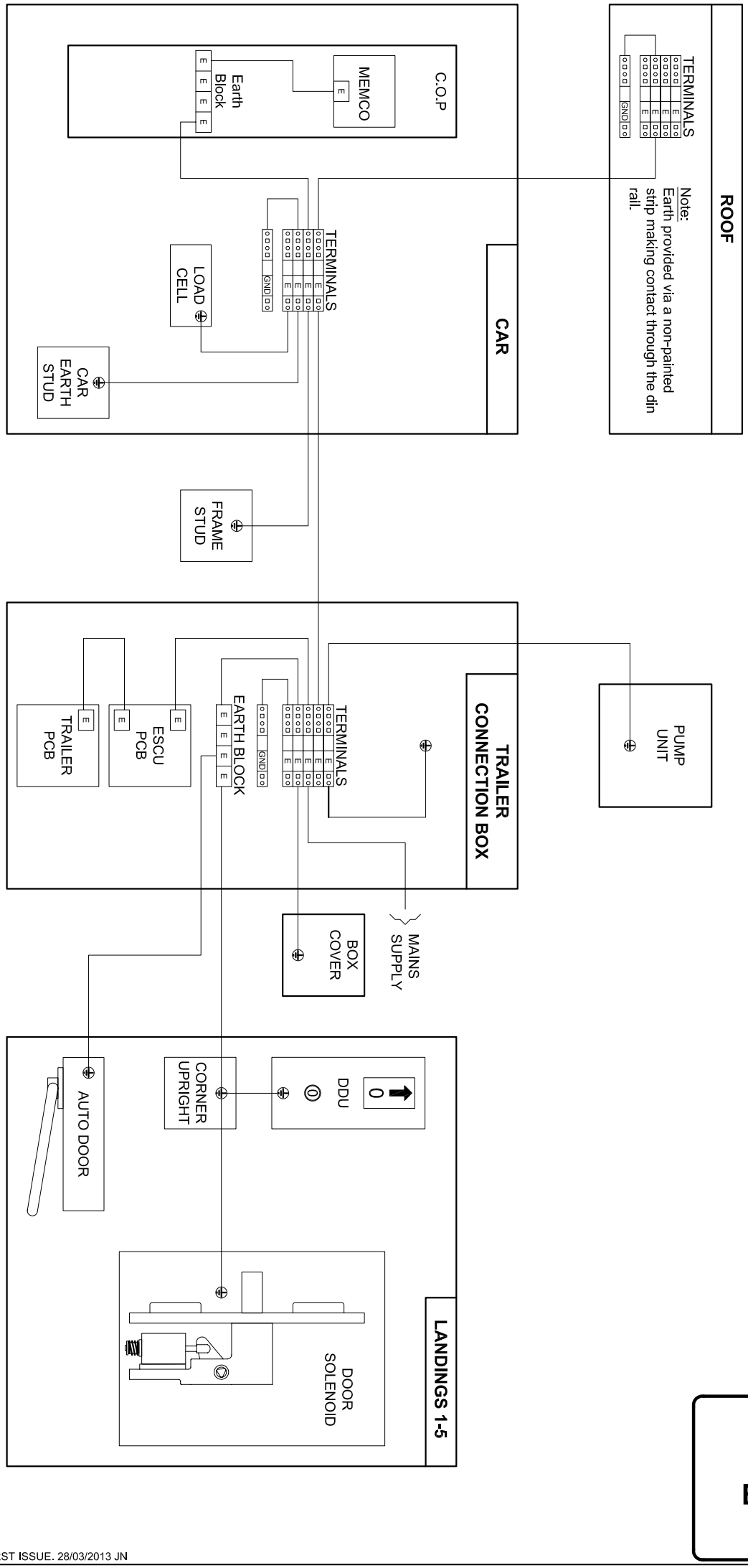
! WARNING !
230VAC MAINS VOLTAGE TERMINALS

APPENDIX E - ESCU PCB TERMINATIONS



APPENDIX F - CONTROL PCB LAYOUT

REV A: UPDATED TO ISSUE 7 PCB. 04/ 06/ 14 JN ECN A5513



APPENDIX G
MIDILIFT SL+
EARTH BONDING GUIDE

Introduction:

Prior to setup, the lift must be run at least 5 times with full rated load and ensure the lift is not tight in the guides. It is also advisable to jump up and down a few times in the lift. Finally, ensure the lift is not resetting on the ground.

CALIBRATION ROUTINE (START HERE).

Important note: If ER.01 appears when the load weighing device is first turned ON, ignore and continue with the below calibration.

1 Enter Setup Mode:

1.1 Press and hold the RESET button, then press and hold the ▼ and **C** buttons and release the reset button, keep ▼ and **C** pressed until MANU is displayed briefly before showing LEV.

2 Set the Controller with the weight of the empty car:

2.1 Press ▼ to move to the TARE function (the TARE value is the car's own weight – set to 0)

2.2 Empty lift car

2.3 Press E and display will show 0.

2.4 Press **E** again to start 60 second countdown (T-60 to T-0) to allow time for the installer to exit the car (Ensure there is no extra load in the car during this time)

2.5 Measurement is complete when MEM□ is briefly displayed and then TARE is shown again

3 Calibration of Load Sensor Controller:

3.1 Press ▼ until the HI function is shown (the HI value is used to calibrate the load sensor with a known load)

3.2 Press **E** to select mode

3.3 Press ▲ or ▼ buttons to move value to 400*kg*

3.4 Add 400*kg* of test weight to the cabin. Load must be distributed such that 100*kg* is placed in each of the 4 corners / quadrants of the cabin.

3.5 Press **E** to start 60 second countdown (T-60 to T-0) to allow time for the installer to exit the car (Ensure there is no extra load in the car during this time).

IMPORTANT NOTE: For Piccolo models only, allow the Fermator cabin and landing doors to close for duration of this 60 second countdown. This will allow the Load Sensor Controller to evaluate maximum load condition.

3.6 Measurement is complete when MEM□ is briefly displayed and then HI is shown again.

3.7 Remove test weights.

Continued on page 2 of 2…

APPENDIX H
1 OF 2
LOAD WEIGHING DEVICE SETUP

REV C: NOTE 3.4 AND 3.5 AMENDED. MH 11/02/19 A6261
REV B: ENTER SETUP MODE UPDATED. JN 16/03/18 A6145
REV A: LOAD WEIGHING DEVICE SETUP PROCEDURE UPDATED for 699 PLUS E.

4 Set Maximum Rated Load:

4.1 Press ▼ until the **FSCA** function is shown (the **FSCA** value is the maximum rated load)

4.2 Press **E** to select mode

4.3 Press ▲ or ▼ buttons to move value to 400*kg*

4.4 Press **E** to confirm, **FSCA** is shown again.

5 Set Overload Alarm:

5.1 Press ▼ to activate the **LEV1** mode (the **LEV1** value is a percentage of the maximum rated load that will activate the overload alarm)

5.2 Press **E** to select mode

5.3 Press ▲ or ▼ buttons to move value to 120%

5.4 Press **E** to confirm input. Display will return to **LEV1 .**

5.5 **LEV2** and **LEV3** are not used.

6 Exit Setup Mode

6.1 Press **C** to end calibration and return to normal running. Display will show SAVE briefly.

7 Check Readout

7.1 Step into car and check the load value has increased by the installers approximate weight.

8 Exit the lift car and check display shows 0. If not, the unit can be zeroed by leaning into the empty lift car and pressing **'C'** briefly.

Note: Pressing the C button will save the setup at any time. To return to the setup menu follow step 1.1 above and use the ▲ or ▼ buttons to move to the required setting.

Fault Codes

Code	Meaning
ER.01	Negative Load: ER01 indication is displayed alternatively to the measured load (the minus is displayed only up to three numbers, i.e. -999). Check connections and recalibrate.
ER.22	Conversion slope not correct: too high signal from 942 Strain Link (fix 942 to a more rigid part of the lift frame or substitute it). Verify that HI value is entered with the right resolution (use weight at least 80% FSCA).
ER.23	HI value is too low (in engineering units). HI-Tare must be > 10
ER.24	Calibration Load is too low. Increase load.
ER.26	TARE and HI values identical, in engineering units
ER.28	Overrange / Underrange: ER.28 is displayed alternatively to measured load. Verify that sensor mechanical installation is OK and corresponding to Factory indications. In case perform again Sensor Installation. Calibrate again the 699Plus after the modifications.
ER.30	C pushbutton is detected pressed for more than 3 seconds, when controller is in programming.

APPENDIX H
2 OF 2
LOAD WEIGHING DEVICE SETUP

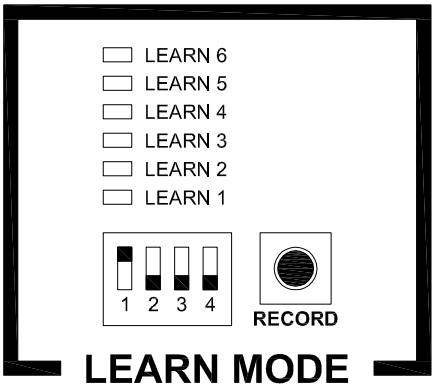
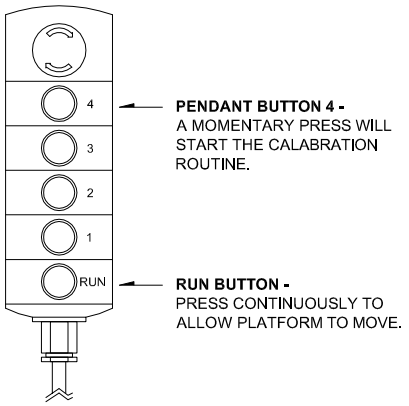
REV B: ENTER SETUP MODE UPDATED. JN 16/03/18 A6145
REV A: LOAD WEIGHING DEVICE SETUP PROCEDURE UPDATED for 699 PLUS E. JN 16/03/18 A6144

MOTOR CALIBRATION PROCEDURE
IT IS ACCEPTED THAT PERSONS CARRYING OUT THIS INSTALLATION HAVE ALREADY RECEIVED FORMAL TRAINING.
THIS PROCEDURE IS FOR GUIDANCE ONLY.

PREPARATION

ENSURE ALL SAFETY DEVICES ARE INSTALLED AND ARE FUNCTIONING CORRECTLY. IT IS RECOMMENDED THAT BOTH THE PENDANT CONTROLLER AND DDU/SPEAKER BOX ARE USED DURING THIS PROCEDURE.

BEFORE STARTING ENSURE THE VALVE BLOCK IS CORRECTLY SETUP AND THE LIFT IS RUNNING AT RATED SPEED.

LEARN MODE BIT SWITCHES	PENDANT CONTROLS
	

FOR BEST RESULTS THE FOLLOWING PROCEDURE SHOULD BE CARRIED OUT WITH APPROXIMATELY 80KG ON THE CARRIAGE.

STEP 1

POSITION LIFT AT BOTTOM FLOOR LEVEL AND ENSURE RESET FLAG IS INSTALLED.

STEP 2

TURN ON SWITCH 1 TO SELECT CALIBRATION MODE AND RESET LIFT CONTROLLER. EITHER BY POWER CYCLE OR USE OF 'RESET'BUTTON ON CARRIAGE.

STEP 3

WAIT FOR THE LEARN LEDS TO FLASH AND A CHARACTER 'C' TO BE DISPLAYED ON THE DDU'S.

STEP 4

PRESS AND HOLD RUN BUTTON; MOMENTARILY PRESS PENDANT BUTTON 4 TO INITIATE CALIBRATION.
(NOTE: RUN BUTTON WILL NEED TO BE MAINTAINED)

THE LIFT WILL AUTOMATICALLY RUN UP APPROXIMATELY 1 METER, STOP AND RUN DOWN APPROXIMATELY HALF A METER.

STEP 5

THE LEARN LEDS WILL FLASH TWICE AND THEN REMAIN ON, THIS CONFIRMS THE PUMP UNIT HAS BEEN SUCCESSFULLY CALIBRATED.

STEP 6

RELEASE RUN BUTTON AND TURN OFF **SWITCH 1** TO COMPLETE CALIBRATION MODE AND RETURN TO NORMAL OPERATION.

STEP 7

REFER TO LEARN MODE PROCEDURE (APPENDIX C) IF FLOOR LEVELS REQUIRE PROGRAMMING.

APPENDIX I
MIDILIFT SL + MOTOR CALIBRATION PROCEDURE

BEFORE BEGINNING SET-UP GUIDE, ENSURE PLATFORM IS POSITIONED AT APPROPRIATE FLOOR.

Label Neptis Power Door Operator - Quick setup guide

1. Connect the programmer to the door operator.

If this is the first time your digital programmer has been used, it will automatically establish communication with the NEPTIS operator. (Move to step 2).

If your digital programmer has been used previously on a different NEPTIS, it will display the message "NO COMMUNICATION", in which case, please use the following procedure:

A. Press the SET button for about 5 seconds to enter the programming menu.
B. Scroll through using the F1 button until you reach the RS485 symbol.
C. Press the ENTER button to enter the "Serial communication setup" section.
D. The digital programmer will establish communication with the operator. Once finished it will display the message "---OK--- Automatic Door Acquired".
E. Press the Exit button to return to the Main Menu.

2. Complete a Learning Cycle.

A. Ensure the end-cap switch is in Position 1.
B. Press and hold the SET button for about 5 seconds to enter the main menu.
C. From the main menu, select the SET UP icon and press ENTER
D. Enter the password. The default password is " **AAAAAAAAAA**"
E. Please complete the set-up as follows:

S.01	=	OFF
S.02	=	ON
S.03	=	ON
S.04	=	OFF
S.05	=	OFF
S.06	=	OFF
S.10	=	ON

F. The screen will display the following message:
"*Operator ready to set up. Press OK to start. A 3 second sound means set up is complete*".
G. Manually unlock the landing door (using lock release key) and press OK.

The door will begin to open, searching for a physical stop. Upon reaching the fully open position (when it hits the physical stop), it will emit a prolonged beep. The door will then close at which point the lock can be released. Learn cycle is now completed.

3. Configure door operation.

Enter the main menu, scroll right once and press ENTER to go into the "Switches and Potentiometers" menu. Adjust the following parameters only.

P.01 - Open Speed	=	30%
P.02 - Close Speed	=	30%
P.05 - Open Pause Time	=	12% (100% = 60secs max)
P.13 - Slowing Distance Closing	=	40%.
P.14 - Closing Assistance Position	=	5%.
P.15 - Closing Assistance Trust	=	50%.
P.18 - Open Distance Vs Physical Stop	=	0%.

Important Note: Do not amend any other parameters.

NAME: J.NICHOLLS	DATE: 24/10/16
CHECKED: M.HOOD	DATE: 24/10/16
MIDILIFT SL+ LABEL NEPTIS QUICK SETUP GUIDE	
Stannah	HEAD OFFICE: Anton Mill Andover Hampshire SP10 2NX England Tel: 01264 339090 Fax: 337942
DRAWING NO: APPENDIX J	REV: