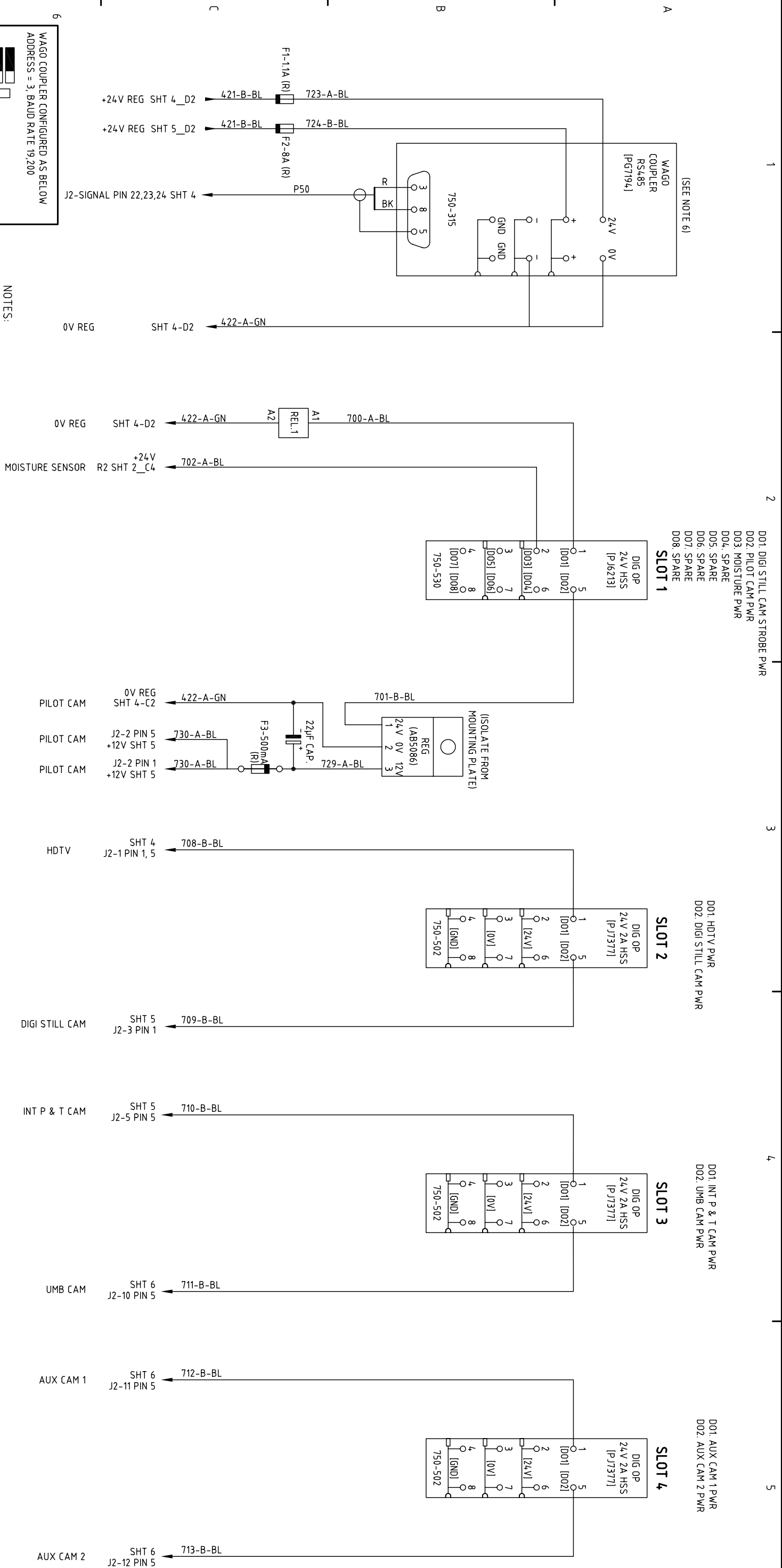




WAGO COUPLER CONFIGURED AS BELOW

ADDRESS = 3, BAUD RATE 19,200

Diagram illustrating the WAGO coupler configuration for Address 3, Baud Rate 19,200. The diagram shows two sets of 13 pins (X13) and one set of 10 pins (SET 0).

SET 3 (X13): The top 12 pins are configured as follows (from top to bottom): 12 pins are black, 11 pins are white, 10 pins are black, 9 pins are white, 8 pins are black, 7 pins are white, 6 pins are black, 5 pins are white, 4 pins are black, 3 pins are white, 2 pins are black, 1 pin is white.

SET 0: The top 12 pins are configured as follows (from top to bottom): 12 pins are black, 11 pins are white, 10 pins are black, 9 pins are white, 8 pins are black, 7 pins are white, 6 pins are black, 5 pins are white, 4 pins are black, 3 pins are white, 2 pins are black, 1 pin is white.

SET 0 (X13): The top 12 pins are configured as follows (from top to bottom): 12 pins are black, 11 pins are white, 10 pins are black, 9 pins are white, 8 pins are black, 7 pins are white, 6 pins are black, 5 pins are white, 4 pins are black, 3 pins are white, 2 pins are black, 1 pin is white.

- NOTES:
1. ENSURE FACEPLATE IS ATTACHED TO HOUSING BEFORE JB IS COMMISSIONED
2. ALL CABLES TO BE IN ACCORDANCE WITH SMD DRG.No.PD0739 (LATEST ISSUE No)
3. FUSES F1-F14, ARE SELF RESETTING TYPE.
4. WIRE NUMBERS ALLOCATED TO THIS DRG. ARE 700-734, LAST WIRE NUMBER USED 734
UNUSED WIRE Nos. ARE 703, 707, 719, 731, & 732.
WIRE NUMBERS OTHER THAN ABOVE ARE DERIVED FROM OTHER SHEETS.
5. PAIR CABLE NUMBERS USED ON THIS DRG. ARE P43,P44, P48,P50,P54,-P57
PIN NUMBERS APPLIED TO GLANDS ON PAGES 3 TO 5 ARE FOR REFERENCE ONLY & DO NOT CONSTITUTE CONNECTOR PIN NUMBERS

NO.		DATE	CHANGE		DRAWN	CHECK	MATERIAL		DIMENSIONS	SCALE	PROJECTION 3RD		TITLE	
1		16-01-08	NO CHANGE TO THIS SHEET.		P.S.	C.L.T.	-		-	-			JUNCTION BOX 2 - C903RV	
2		27-08-08	AS BUILT.		P.S.	C.L.T.								
							DESIGNED		DRAWN		TOLERANCES UNLESS OTHERWISE STATED			
							C.L.T.		W.R.		DIMENSION mm			
							DATE		CHECKED		FABRICATION		DO NOT SCALE	
							1-8-07		I.M.P		MACHINED PART		DRAWING NO.	
									± 0.15		± 0.4		AB5966	
									± 1.0		± 1.5		SHEET 1 OF 6	
									± 2.0		± 3.0		ISSUE NO.	
									± 0.8		± 1.0		2	

1

2

3

4

5

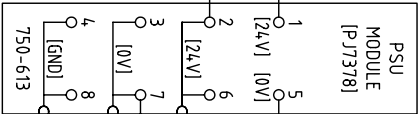
A

D01. AUX CAM 3 PWR
D02. AUX CAM 4 PWR

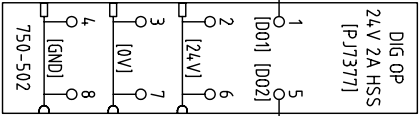
D01. 24V PWR
D02. 24V PWR

A11. JB MOISTURE
A12. SPARE
A13. SPARE
A14. SPARE

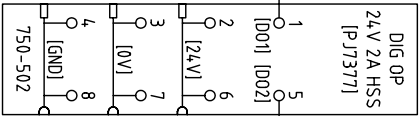
SLOT 5



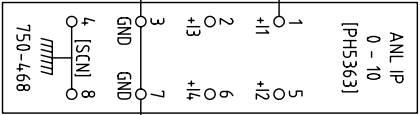
SLOT 6



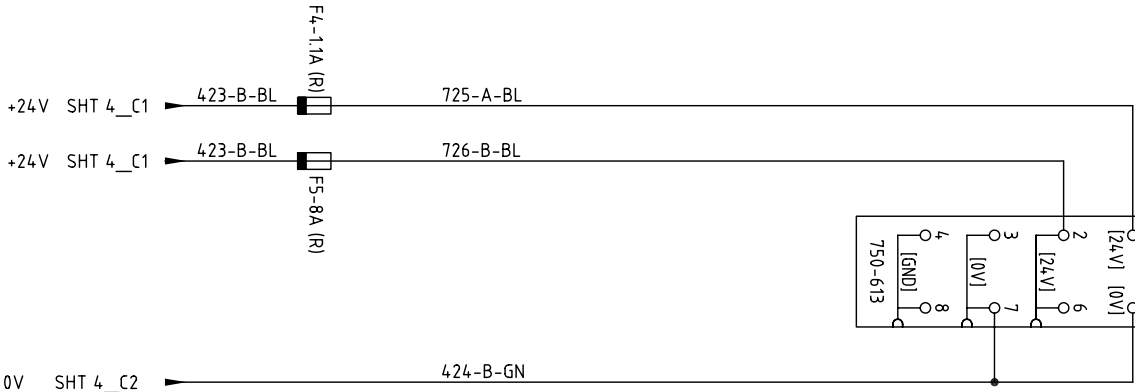
SLOT 7



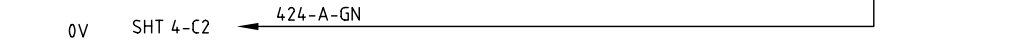
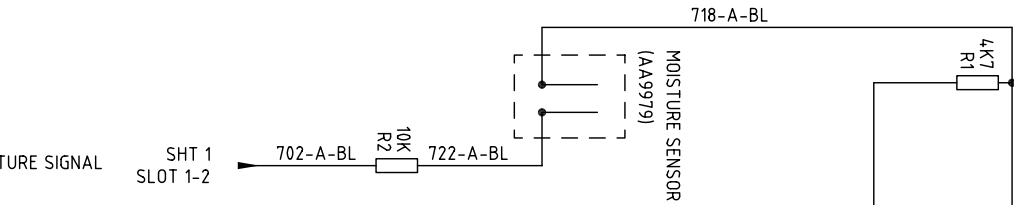
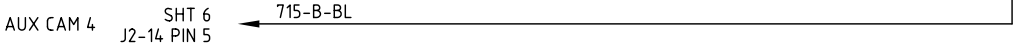
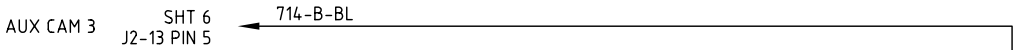
SLOT 8



B



C



D

NO.	DATE	CHANGE	DRAWN	CHECK	MATERIAL	DIMENSIONS	SCALE	PROJECTION	3RD	TITLE		
1	16-01-08	CHANNEL FUNCTIONS CHANGED & CABLE NUMBER AMENDED.	P.S.	C.L.T.	-	-	-			JUNCTION BOX 2 – C903RV		
2	27-08-08	AS BUILT.	P.S.	C.L.T.								
					DESIGNED	DRAWN	TOLERANCES UNLESS OTHERWISE STATED					
					C.L.T.	W.R.	DIMENSION mm	UP TO 100	100 TO 300		300 TO 1000	OVER 1000
					DATE	CHECKED	FABRICATION	± 1.0	± 1.5		± 2.0	± 3.0
					1-8-07	I.M.P	MACHINED PART	± 0.15	± 0.4	± 0.8	± 1.0	
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Soil Machine Dynamics												
A3 CAD												
DO NOT SCALE												
DRAWING NO. AB5966												
SHEET 2 OF 6												
ISSUE NO. 2												

1

2

3

4

5

A

PSU DC-DC CONVERTER (AB6258)
24V/5V, 4.0W

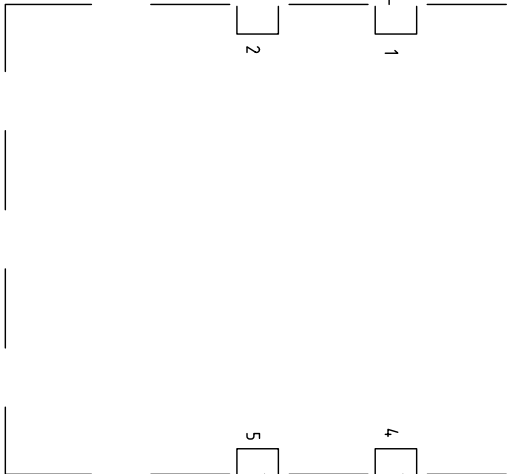
+24V REG. SHT 4_ D2
4.21-B-BL
F6-4A (R)
7.27-B-BL
R1
13
14
7.28-B-BL

4
7.33-A-BL
+5V DIGI STILL CAM STROBE
J2-4 PIN 5 SHT 5

0V REG SHT 4_ D2
4.22-B-GN

5
7.34-A-GN
0V DIGI STILL CAM STROBE
J2-4 PIN 10 SHT 5

B



C

D

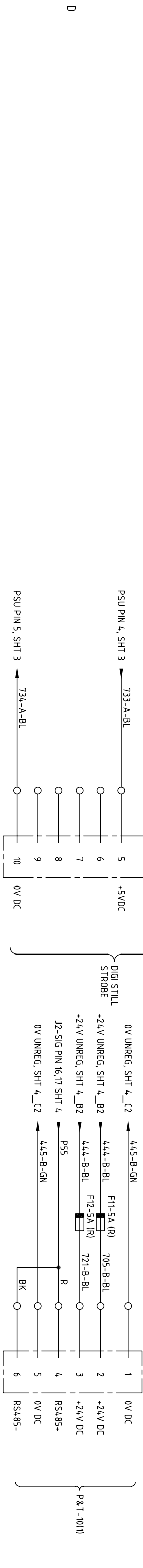
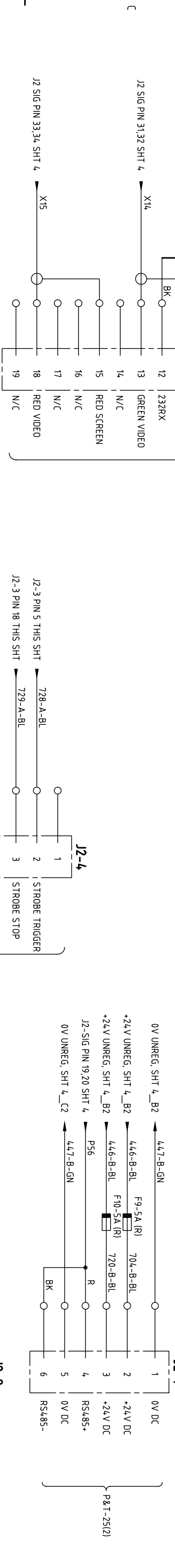
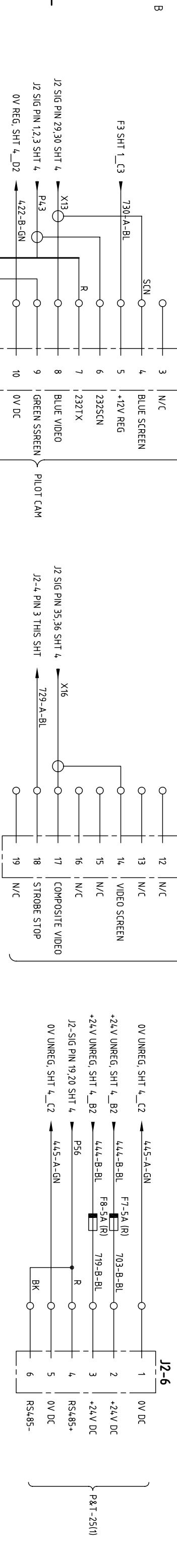
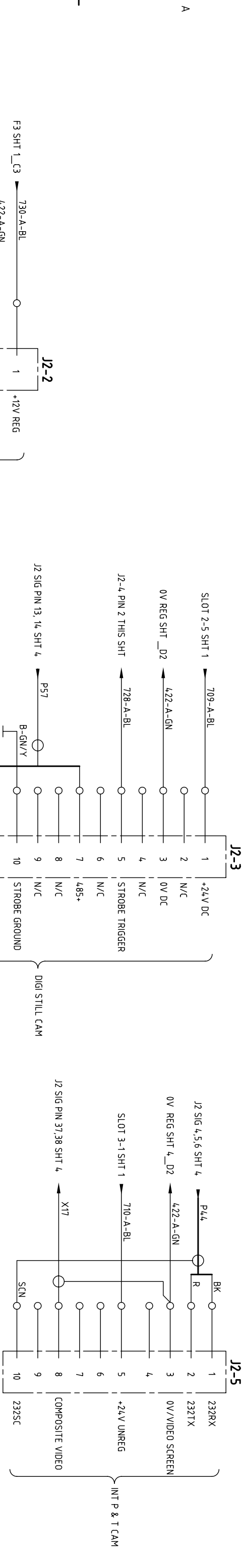
NO.	DATE	CHANGE	DRAWN	CHECK	MATERIAL				DIMENSIONS	SCALE	PROJECTION 3RD		TITLE		
1	16-01-08	NO CHANGE TO THIS SHEET.	P.S.	C.L.T.	-				-	-		JUNCTION BOX 2 - C903RV			
2	27=-08-08	AS BUILT.	P.S.	C.L.T.											
					DESIGNED	DRAWN	TOLERANCES UNLESS OTHERWISE STATED								
					C.L.T.	W.R.	DIMENSION mm	UP TO 100	100 TO 300	300 TO 1000	OVER 1000				
					DATE	CHECKED	FABRICATION	± 1.0	± 1.5	± 2.0	± 3.0				
					1-8-07	I.M.P	MACHINED PART	± 0.15	± 0.4	± 0.8	± 1.0	DO NOT SCALE			
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													AB5966		2
													SHEET 3 OF 6		

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Soil Machine Dynamics									
A3 CAD									
DRAWING NO. AB5966									
SHEET 4 OF 6									
ISSUE NO. 2									

JUNCTION BOX 2 – C903RV									
DO NOT SCALE									

CONTINUED									
J2-2 PIN 7,12,6 SHT 5									
P4.3									
R BK SCN									
232TX 232RX 232SCN									
PILOT CAM									
J2-5 PIN 1,2,10 SHT 5									
P4.4									
R BK SCN									
232TX 232RX 232SCN									
INT P&T CAM									
J2-15 PIN 1,2,3 SHT 6									
P4.8									
R BK SCN									
485TX 485RX 485SCN									
SPARE 232, 4									
J2-16 PIN 1,2,3 SHT 6									
P5.4									
R BK SCN									
232TX 232RX 232SCN									
SPARE 485, 1									
J2-3 PIN 7,11 SHT 5									
P5.7									
R BK SCN									
485+ 485- N/C									
DIGI STILL CAM									
J2-8, PIN 4,6 SHT 5									
P5.5									
R BK SCN									
485+ 485- N/C									
P & T-10									
J2-6, PIN 4,6 SHT 5									
P5.6									
R BK SCN									
485+ 485- N/C									
P & T-25									
J2-7, PIN 4,6 SHT 5									
P5.0									
R BK SCN									
485+ 485- N/C									
JB2 WAGO									
J2-2 PIN 8,4 SHT 5									
X13									
BLUE VIDEO									
PILOT CAM									
J2-2 PIN 13, 9 SHT 5									
X14									
GREEN VIDEO									
PILOT CAM									
J2-2 PIN 18,15 SHT 5									
X15									
RED VIDEO									
PILOT CAM									
J2-13 PIN 17,14 SHT 5									
X16									
COMPOSITE VIDEO									
DIGI STILL CAM									
J2-15 PIN 8,3 SHT 5									
X17									
COMPOSITE VIDEO									
INT P&T CAM									

J2-1									
708-A-BL									
+24V DC									
0V REG, THIS SHT_D2									
422-A-GN									
SLOT 2-1 SHT 1									
708-A-BL									
+24V									
0V REG, THIS SHT_D2									
424-B-GN									
SLOT 5-5,7 SHT 2									
424-B-GN									
SLOT 8-7,3 SHT 2									
424-B-GN									
J2-13, PIN 3, SHT 6									
424-B-GN									
J2-14, PIN 3 SHT 6									
424-B-GN									
J2-15, PIN 5 SHT 6									
424-B-GN									
J2-16, PIN 5 SHT 6									
421-B-BL									
F1, SHT 1_C1									
421-B-BL									
F2, SHT 1_C1									
421-B-BL									
F6, SHT 3_B2									
422-B-GN									
WAGO COUPLER SHT 1									
422-B-GN									
REL 1, A2 SHT 1									
422-B-GN									
PSU, PIN 2 SHT 3_B1									
422-B-GN									
J2-1, PIN 2,10 THIS SHT									
422-B-GN									
J2-2, PIN 2,10 SHT 5									
422-B-GN									
J2-3, PIN 3 SHT 5									
422-B-GN									
J2-5, PIN 3 SHT 5									
422-B-GN									
J2-10, PIN 3 SHT 5									
422-B-GN									
J2-11, PIN 3 SHT 5									
422-B-GN									
J2-12, PIN 3 SHT 5									
422-B-GN									

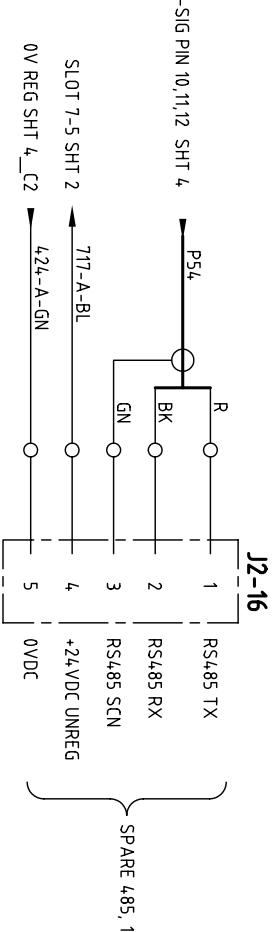
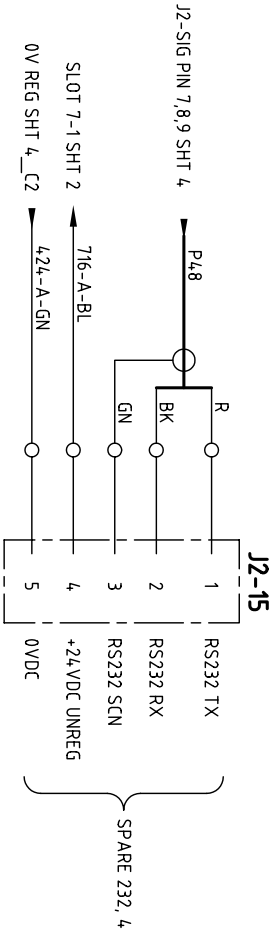
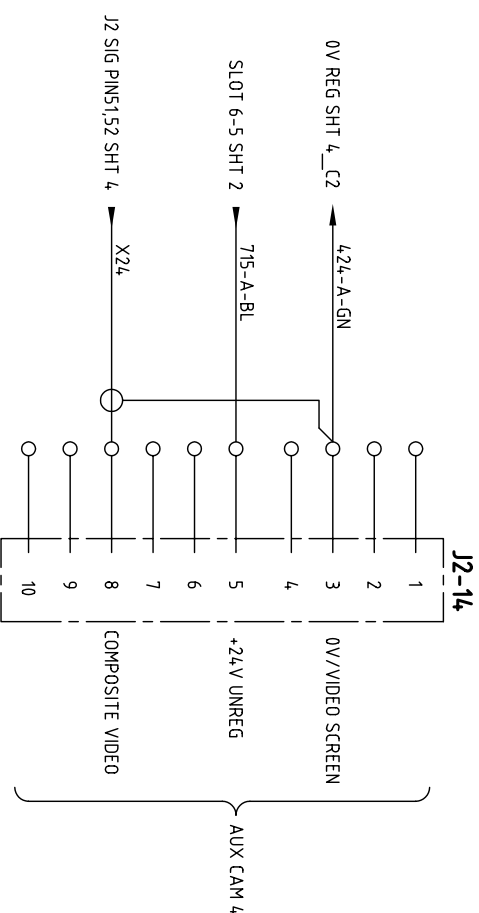
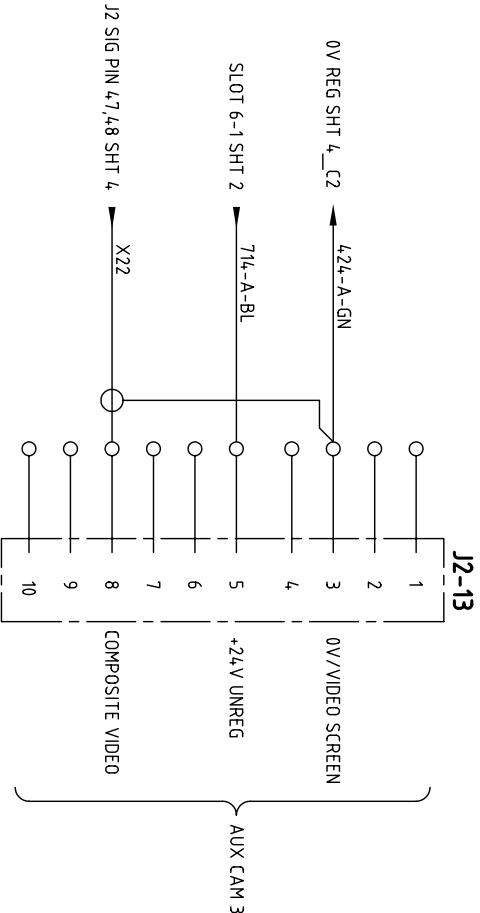
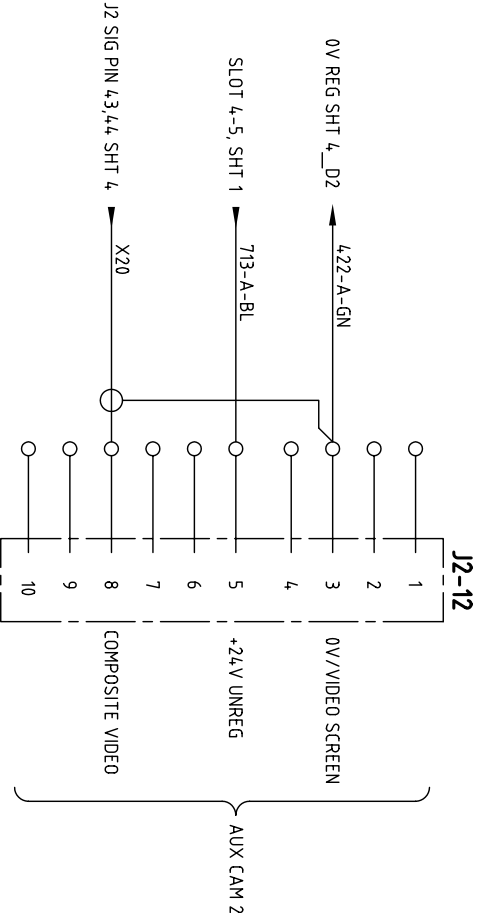
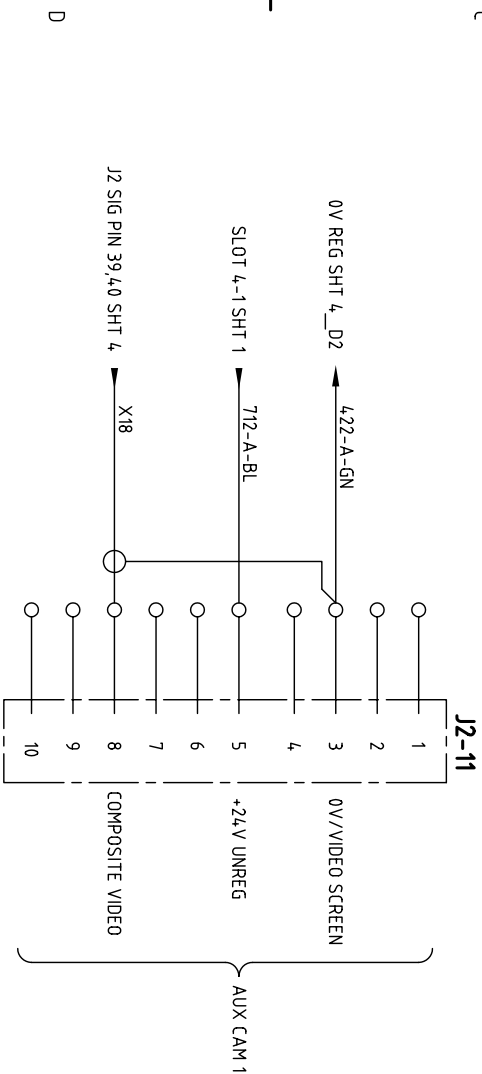
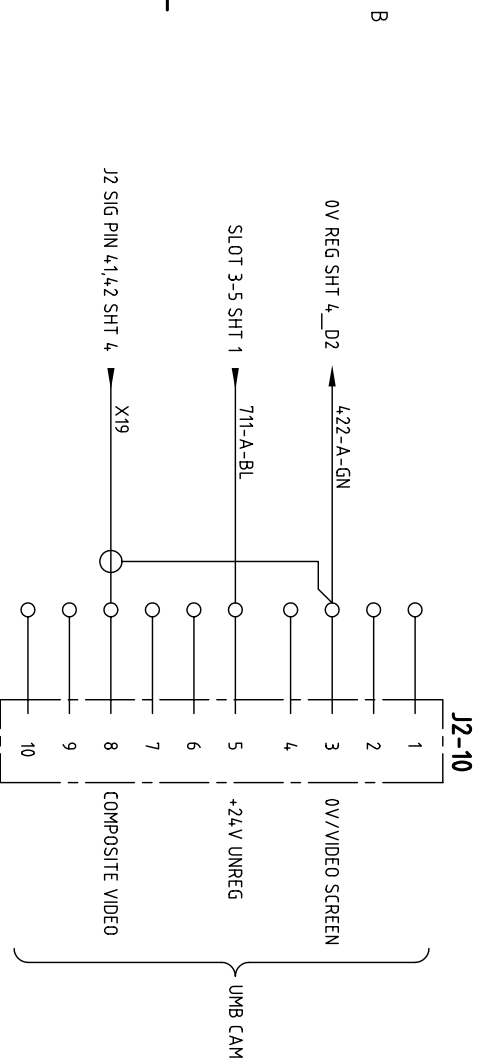
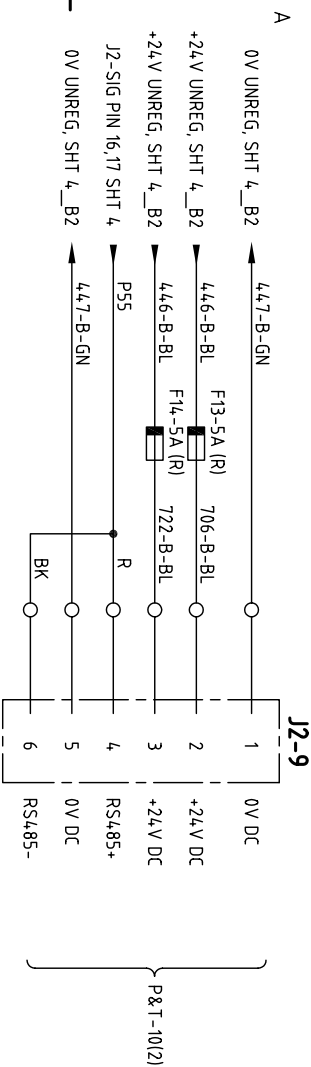


NO.	DATE	CHANGE	DRAWN	CHECK	MATERIAL	DIMENSIONS	SCALE	PROJECTION	TITLE
1	16-01-08	J2-6,7,8 AMENDED, J2-9 MOVED TO SHEET 6.	P.S.	C.L.T.	-	-	-	3RD	JUNCTION BOX 2 – C903RV
2	27-08-08	AS BUILT.	P.S.	C.L.T.	DESIGNED C.L.T.	DRAWN W.R.	TOLERANCES UNLESS OTHERWISE STATED UP TO 100 100 TO 300 300 TO 1000 OVER 1000	3RD	DO NOT SCALE
					DATE 1-8-07	CHECKED I.M.P	FABRICATION ± 1.0 ± 1.5 ± 2.0 ± 3.0	MACHINED PART ± 0.15 ± 0.4 ± 0.8 ± 1.0	DRAWING NO. AB5966
									ISSUE NO. 2

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A3 CAD



NO.	DATE	CHANGE	DRAWN	CHECK	MATERIAL	DIMENSIONS	SCALE	PROJECTION	3RD	TITLE			
1	16-01-08	J2-9 MOVED FROM SHEET 5.	P.S.	C.L.T.	-	-	-			JUNCTION BOX 2 - C903RV			
2	27-08-08	AS BUILT.	P.S.	C.L.T.	DESIGNED	DRAWN	TOLERANCES UNLESS OTHERWISE STATED						
					C.L.T.	W.R.	DIMENSION mm	UP TO 100	100 TO 300		300 TO 1000	OVER 1000	
					DATE	CHECKED	FABRICATION	± 1.0	± 1.5		± 2.0	± 3.0	
					1-8-07	I.M.P	MACHINED PART	± 0.15	± 0.4		± 0.8	± 1.0	
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										AB5966		2	
										SHEET 6 OF 6			