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Enter **Serial No.** here. \_\_\_\_\_

In the event of an enquiry please quote this serial number.



## OPERATING AND MAINTENANCE MANUAL

# **‘PARK n RIDE’ PROVER**

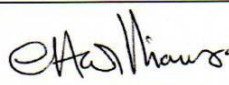
(WITH AND WITHOUT CONVEYOR)



## **DECLARATION OF CONFORMITY**

We hereby declare that this machine complies with the essential health and safety requirements of :-

- The Machinery Directive 2006 / 42 / EC
- The Low voltage Directive 2014 / 35/ EC
- The requirements of the Electromagnetic Compatibility Directive 2004 / 108EC, 91 / 263 / EEC, 92 / 31 / EEC  
Incorporating standards  
EN55014-1:2006+A1:2009+A2:2011  
EN55014-2:1997+A1:2001+A2:2008
- The General Safety of Machinery and food processing Standards applicable
- Materials and Articles intended to come into contact with food  
Regulation (EC) No. 1935 / 2004

<b>Signed</b>	
G.A.Williams – Quality Manager	

<b>Date</b>	
-------------	--

<b>Machine FG Code.</b>		<b>Machine Serial No.</b>	
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A technical construction file for this machine is retained at the following address:

**MONO EQUIPMENT**  
Queensway,  
Swansea West Industrial Park,  
Swansea  
SA5 4EB  
UK

**MONO EQUIPMENT** is a business name of **AFE GROUP Ltd**  
Registered in England No.3872673 VAT registration No.923428136

Registered office: Unit 9, Bryggen Road,  
North Lynn Industrial Estate,  
Kings Lynn,  
Norfolk,  
PE30 2HZ

## **SAFETY SYMBOLS**

The following safety symbols are used throughout this product documentation and manual (available at [www.monoequip.com](http://www.monoequip.com)).

Before using your new equipment, read the instruction manual carefully and pay special attention to information marked with the following symbols.



### **WARNING**

Indicates a hazardous situation which, if not avoided, will result in death or serious injury.



### **WARNING**

Indicates a hazardous situation which, if not avoided, will result in electric shock.



### **CAUTION**

Indicates a hazardous situation which, if not avoided, will result in minor or moderate injury.



- 
- **DO NOT TRY TO DISABLE ANY SAFETY DEVICES, THEY ARE FITTED FOR YOUR SAFETY.**



## ELECTRICAL SAFETY AND ADVICE REGARDING SUPPLEMENTARY ELECTRICAL PROTECTION:

Commercial bakeries, kitchens and foodservice areas are environments where electrical appliances may be located close to liquids or operate in and around damp conditions or where restricted movement for installation and service is evident.

The installation and periodic inspection of the appliance should only be undertaken by a qualified, skilled and competent electrician, and connected to the correct supply suitable for the load as stipulated by the appliance data label.

The electrical installation and connections should meet the necessary requirements of the local electrical wiring regulations and any electrical safety guidelines.

### We Recommend:

- Supplementary electrical protection with the use of a residual current device (RCD)
- Fixed wiring appliances incorporate a locally situated switch disconnector to connect to, which is easily accessible for switching off and safe isolation purposes. The switch disconnector must meet the specification requirements of IEC 60947.



The supply to this machine must be protected by a **30mA type B RCD**



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**Failure to adhere to the cleaning  
and maintenance instructions  
detailed in this booklet could  
effect the warranty of this machine.**

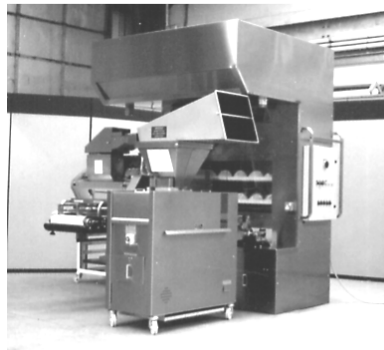
## 1.0 INTRODUCTION

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The **Mono Park n Ride Automatic bread plant** is a fully integrated unit enabling rapid change of production lines, without moving any of the items of equipment which comprise the complete plant.

This very compact, all brushed finish stainless steel system can produce up to 1000 loaves an hour.

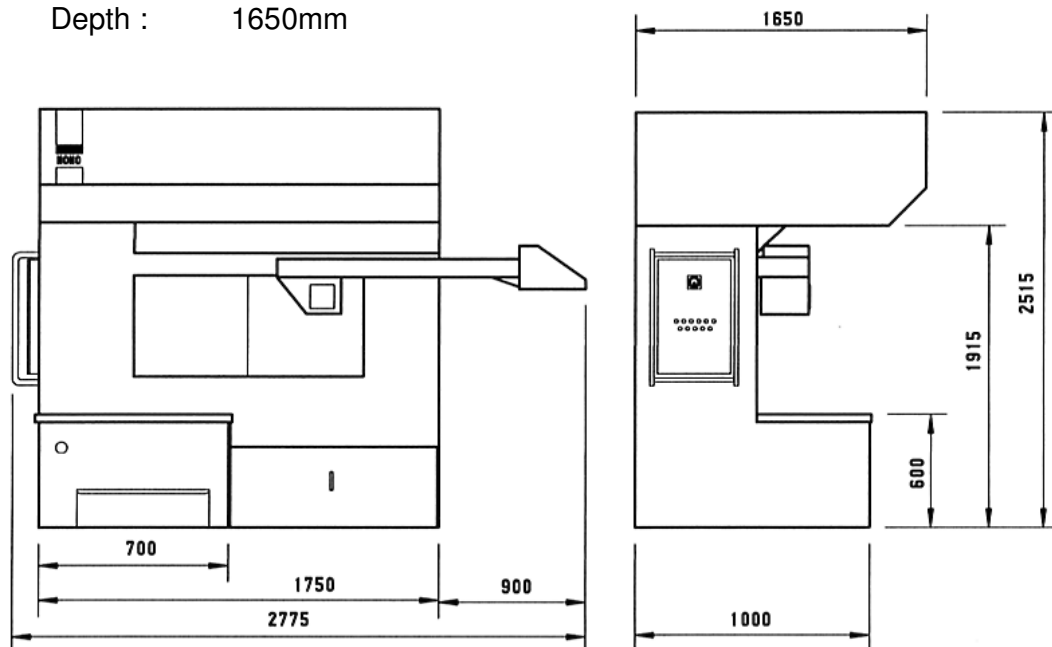
It features electronic timing between the divider and auto prover; a Metro Moulder for fast, but gentle two-stage reduction of all types of dough; and an optional conveyor linked French stick Moulder for processing baguette dough pieces up to 460mm in length.



## 2.0 DIMENSIONS

---

Height : 2515mm  
Width : 2775mm  
Depth : 1650mm



180 POCKET PARK n RIDE PROVER

## 3.0 SPECIFICATIONS

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Power :        0.86kW,    3 phase + N    (excluding Divider and Moulder)  
                  2.5Kw                    (including Divider and Moulder)



The supply to this machine must be protected by a **30mA type B RCD**

Weight :                    1470kg

Noise level                Less than 85dB

## 4.0 SAFETY

---



- 1 **Never use a machine in a faulty condition** and always report any damage.
- 2 **Only trained engineers may remove any part** that requires a tool to do so.
- 3 **People undergoing training on this machine must be under direct supervision** of a fully trained person.



- 4 **Use of this machine can prove dangerous if:**
  - ❑ the machine is operated by untrained or unskilled staff
  - ❑ the machine is not used for its intended purpose
  - ❑ the machine is not operated correctly



- 5 **Always ensure hands are dry before touching any electrical appliance** (including cable, switches and plugs).

- 6 **Do not operate the machine with any panels or guards removed.**



- ❑ ***All safety devices applied to the machine during manufacture and the operating instructions in this manual are required to operate this machine safely. The owner and the operator are responsible for operating this machine safely.***
- ❑ ***DO NOT TRY TO DISABLE ANY SAFETY DEVICES, THEY ARE FITTED FOR YOUR SAFETY.***

- 7 **NEVER move machinery by pulling on the power cords or cables.**

- 8 **No loose clothing or jewellery** should be worn while operating this machine

- 9 **The bakery manager or the bakery supervisor must carry out daily safety checks** on this machine.

- 10 **No one under the age of 16 may operate** this machine.

- 11 **No one under the age of 18 may clean** this machine under any circumstances.



- 12 **DO NOT STAND ON ANYTHING TO LOAD THE DIVIDER HOPPER.**



- 13 **DO NOT STAND ON OR STORE ITEMS ON THE PROVER ROOF.**



**ALL CLEANING AND MAINTENANCE OPERATIONS MUST BE MADE WITH MACHINE DISCONNECTED FROM THE POWER SUPPLY.**

## 5.0 INSTALLATION

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1. The plant should be connected to a mains isolator.



The supply to this machine must be protected by a **30mA type B RCD**

2. The plant should be positioned on a level solid floor .
3. The plant should be positioned to allow access to all areas for both cleaning and maintenance.
4. Full training in both operation and cleaning must be given.

### NOTE:

The divider must be located correctly by the two locating brackets or dough will not enter the prover correctly and cause dough loss.

## 6.0 ISOLATION

---

In an emergency, use the stop button (2)  
or turn off the main isolator (1).



2



1

## 7.0 CLEANING



### CAUTION

ISOLATE MACHINE FROM THE POWER SUPPLY BEFORE CLEANING.

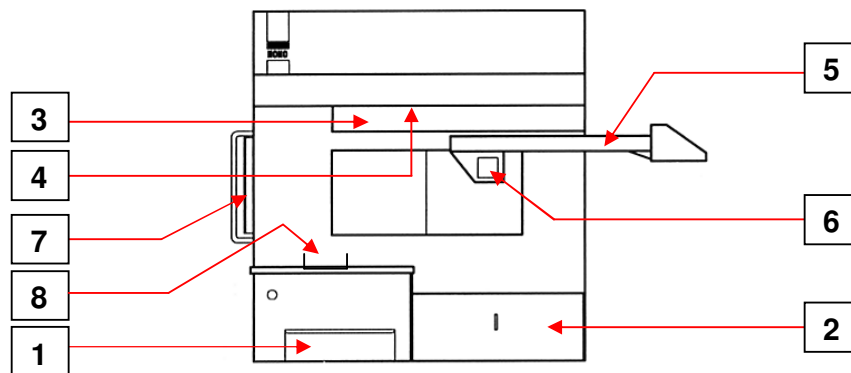
### Warning

Avoid stopping machine with dough left in the pockets as after a time it will adhere to the pockets and cause the machine to malfunction.

ALWAYS CHECK THE POCKETS FOR ADHERING DOUGH AND REMOVE AS SOON AS POSSIBLE. DO NOT WAIT FOR DAILY CLEANING IF IN DOUBT.

### DAILY

1. Brush infeed chute **(8)** ensuring the dough sensor and reflector are clean.
2. Remove drive box drawer **(1)** and cleaning door **(2)**.
3. Withdraw the plastic trays and remove dough. Wash thoroughly, dry and replace.
4. Wipe over drawer and door and replace.
5. Remove clear transfer window **(3)**. Wash and dry.
6. Wipe the window fixing channels and replace window.
7. Open main overhang door **(4)** and check for fallen pieces of dough inside. Brush rear of door and close.
8. Brush conveyor **(5)** (if fitted) and wipe clean the metalwork paying attention to the chute areas and inner sides.
9. Remove the moulder from position and clean the conveyor chute **(6)** inside and out paying attention to edges, corners and the window area.
10. Wipe over the control panel **(7)** with a **damp** cloth (do not allow moisture to enter the panel). Pay attention to the switch area removing any residue. (do not use a knife).



**KEEP WATER AWAY FROM THE MAIN CONTROL PANEL  
AND ELECTRICAL CONNECTION SOCKETS.**



## WEEKLY



CAUTION  
ISOLATE MACHINE FROM THE POWER SUPPLY BEFORE CLEANING.

**As daily cleaning and also: -**

1. Wipe over all outer sheeting and doors with sanitizing solution.

**KEEP WATER AWAY FROM THE MAIN CONTROL PANEL  
AND ELECTRICAL CONNECTION SOCKETS.**

2. Ensure top sheeting is clear and clean as required.



**Do not stand on or store items on the roof**

3. Inspect the floor area inside and clean as required.

## **CARRIER and POCKET REMOVAL**

1. Open front windows to access carriers.
2. Although not necessary when cleaning and replacing pockets, carriers can be removed if required by pulling chain sideways off the locating pins on the end of the carrier. It is advisable not remove more than one at a time and note that the carriers are positioned at three link intervals. Note that the end roller should always be to the rear.
3. Hold carrier body and pull the blue carrier pocket gently upwards to unclip.  
*(Note that there are 6 pockets to a carrier and each one can be replaced individually without removing the carrier from the prover)*



**MOULDED CLIPS**



**CARRIER**

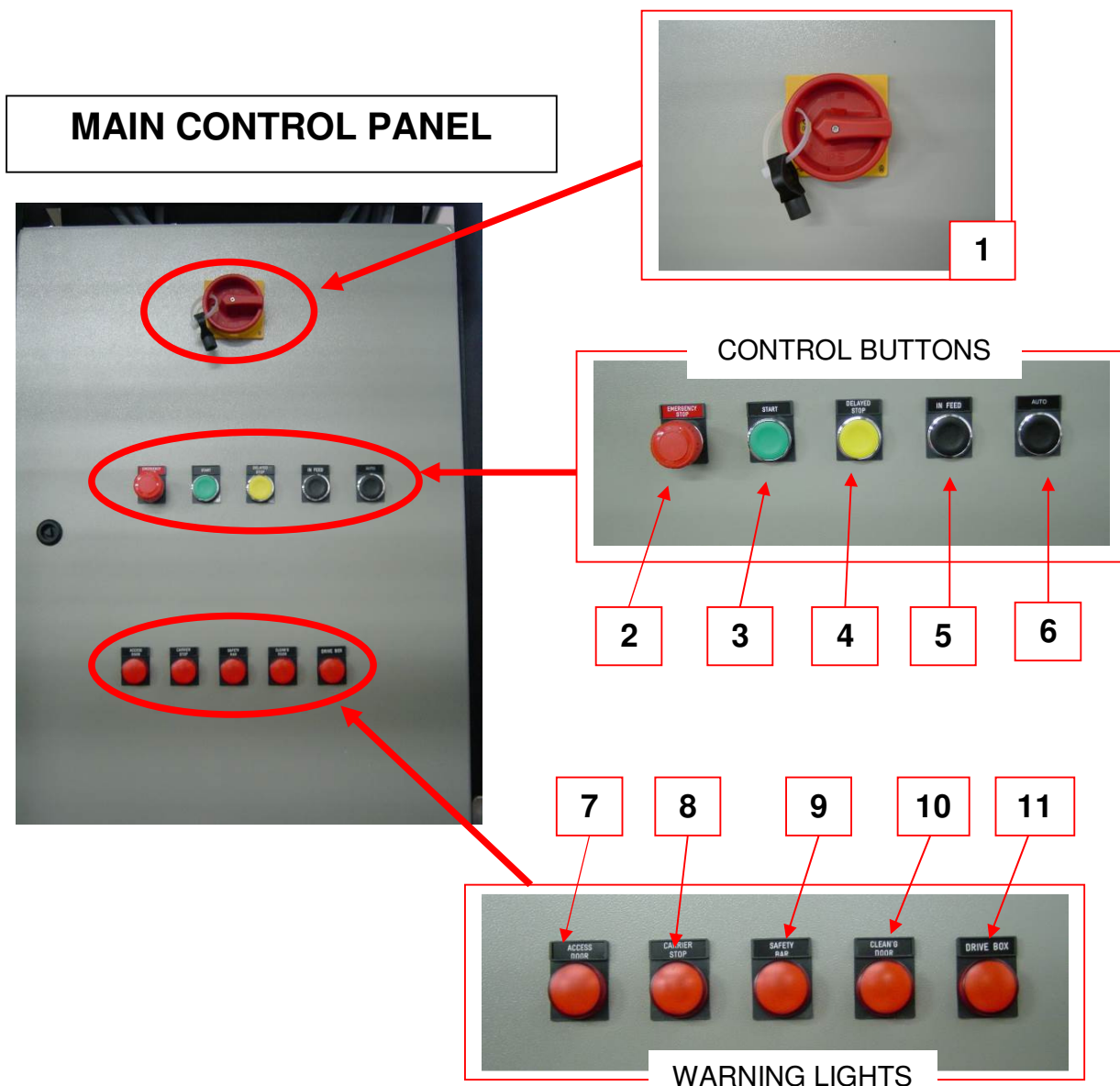
## 8.0 OPERATION

Dough pieces are transferred via a chute to a carrier pocket. As it travels down the chute and into the pocket, an electronic eye is triggered which causes the carriers to rotate one position.

After one and a half minutes of nothing passing the sensor, a flashing beacon starts to alert the operator. The prover can then either be run in continuous mode, to empty the dough to the moulder, or the divider started and the prover loading continued.

**NOTE:**

The divider must be located correctly by the two locating brackets or dough will not enter the prover correctly and cause dough loss.



## **MAIN PANEL**

### **MAINS ISOLATOR SWITCH (1)**

This controls the power supply to the prover and all machines connected to it.  
*If fitted the conveyor will run when this is switched on.*

### **EMERGENCY STOP (2)**

Stops the prover in emergency.  
Release by pushing and turning.  
**NOTE.** *Do not use to stop the prover except in emergency as dough position may cause problems.*

### **START BUTTON (3)**

Starts the prover in auto mode.  
(If the prover is set to infeed then no movement will happen until dough passes the sensor on the chute.)

### **DELAYED STOP (4)**

Use this to stop the prover carriers in the best operating position.  
**Always use this to stop the prover** except in emergency.

### **INFEED BUTTON (5)**

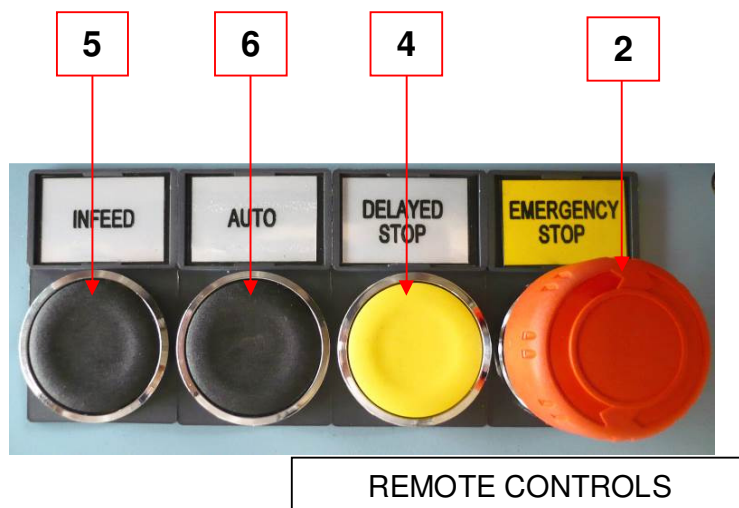
No movement will happen until dough passes the sensor on the chute.  
**NOTE:** *Divider will only operate if infeed is selected.*

### **AUTO BUTTON (6)**

For use when the divider has completed operation and the prover needs to continue moving to feed the moulders.

## **REMOTE CONTROL BOX**

This is situated under the overhang and gives the operator the main control buttons in an alternative place to the main control panel.



## **WARNING LIGHTS**

### **ACCESS DOOR (7)**

Main overhang cleaning door not positioned correctly.

### **CARRIER STOP (8)**

Carrier stop switch activated.

Switch off power at main isolator (1).

Check for correct position of carriers in the overhang.

Dough may have caused a carrier to swing incorrectly at the turnover stage.

If the cause can not be rectified by removing dough piece, call for maintenance.

### **SAFETY BAR (9)**

Red safety bar across lower edge of main windows has been activated.

Clear obstruction and restart prover.

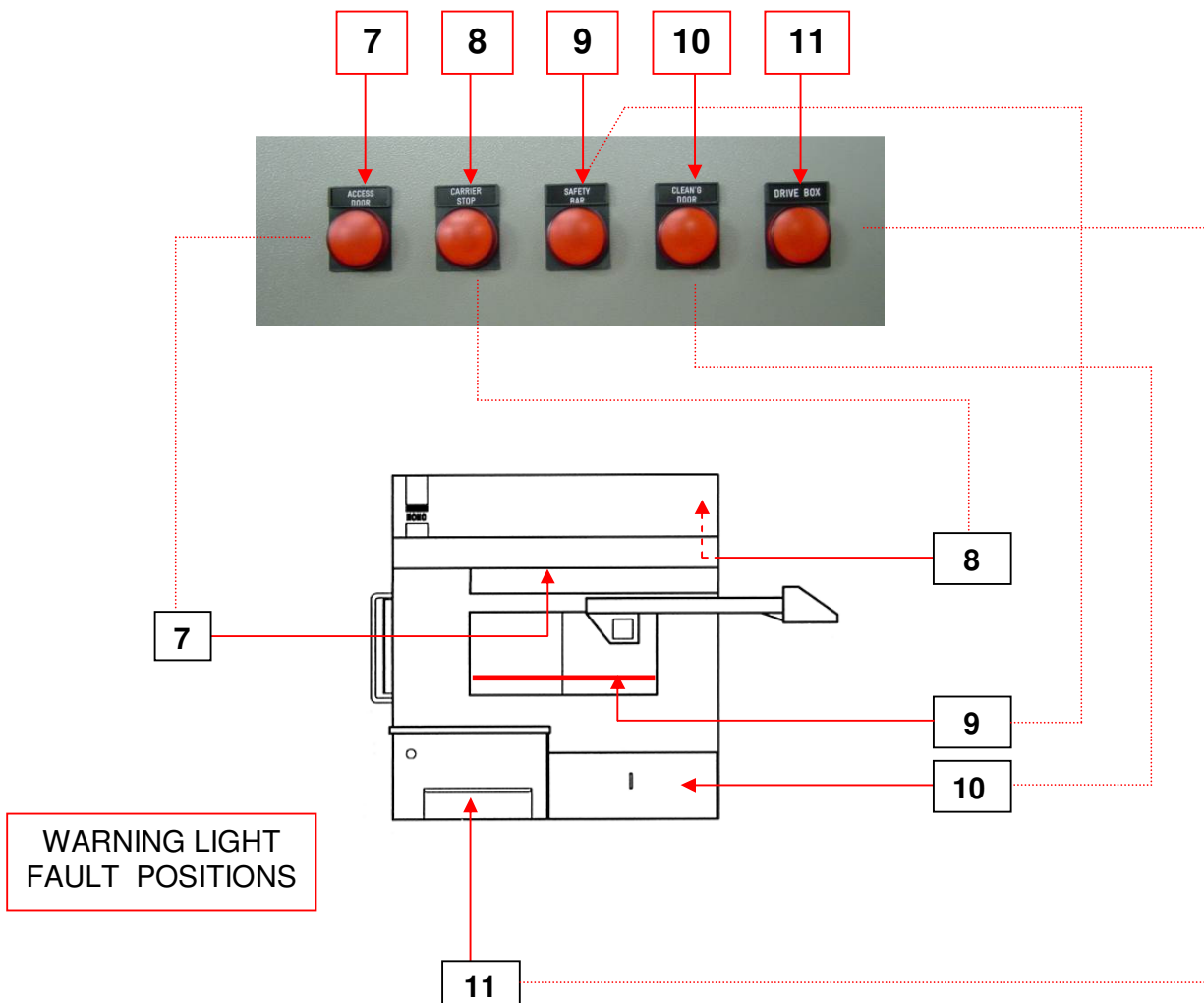
### **CLEANING DOOR (10)**

Front lower cleaning door not positioned correctly.

### **DRIVE BOX (11)**

Check that drive box drawer is closed.

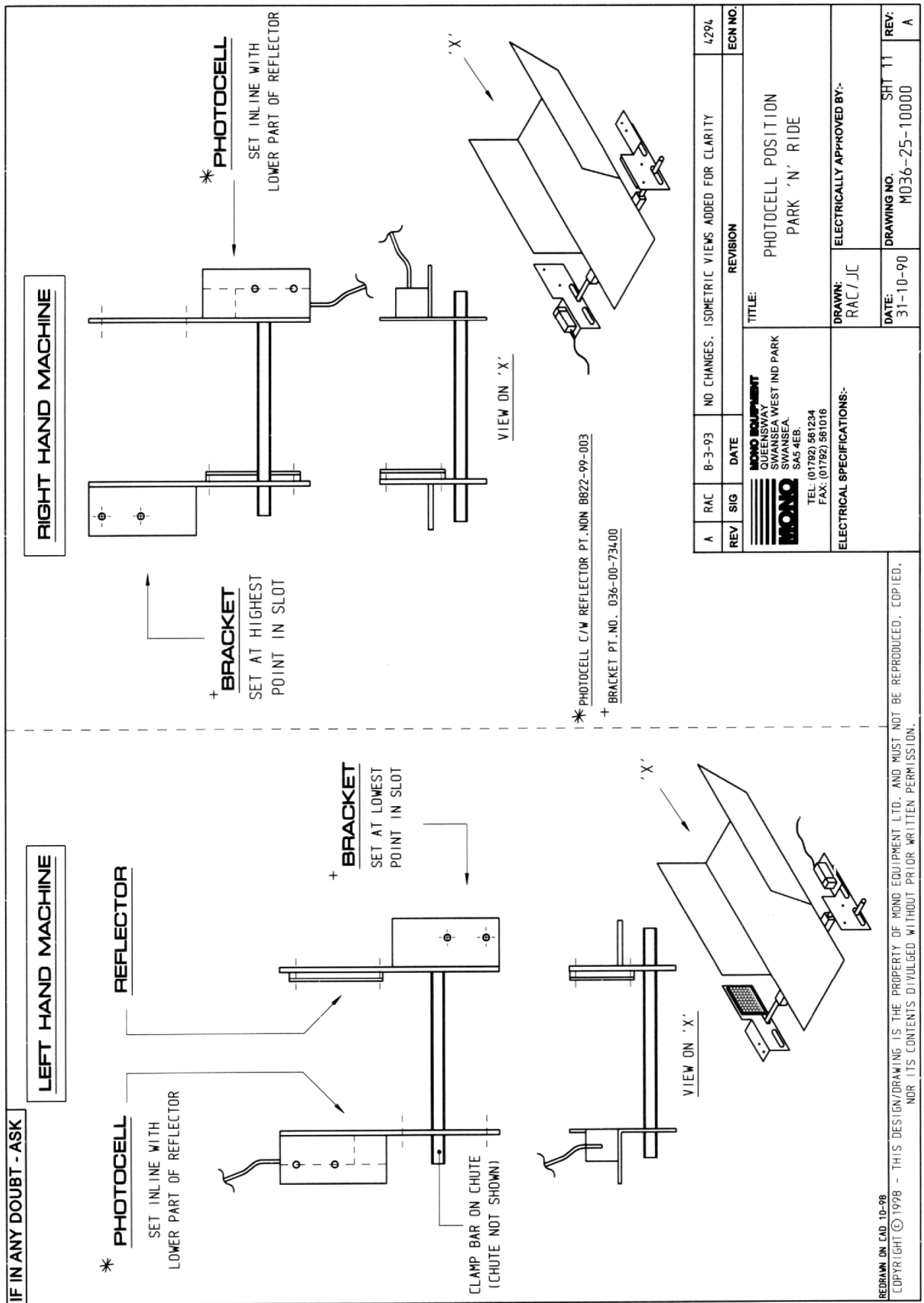
Prover will not work unless the drawer is replaced after cleaning.



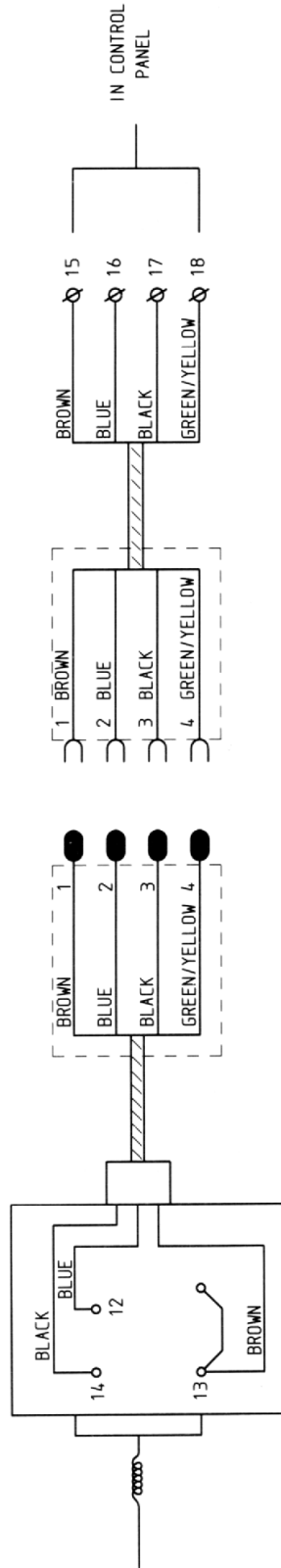


## 9.0 ELECTRICAL INFORMATION

**WITHOUT CONVEYOR**



IF IN ANY DOUBT - ASK

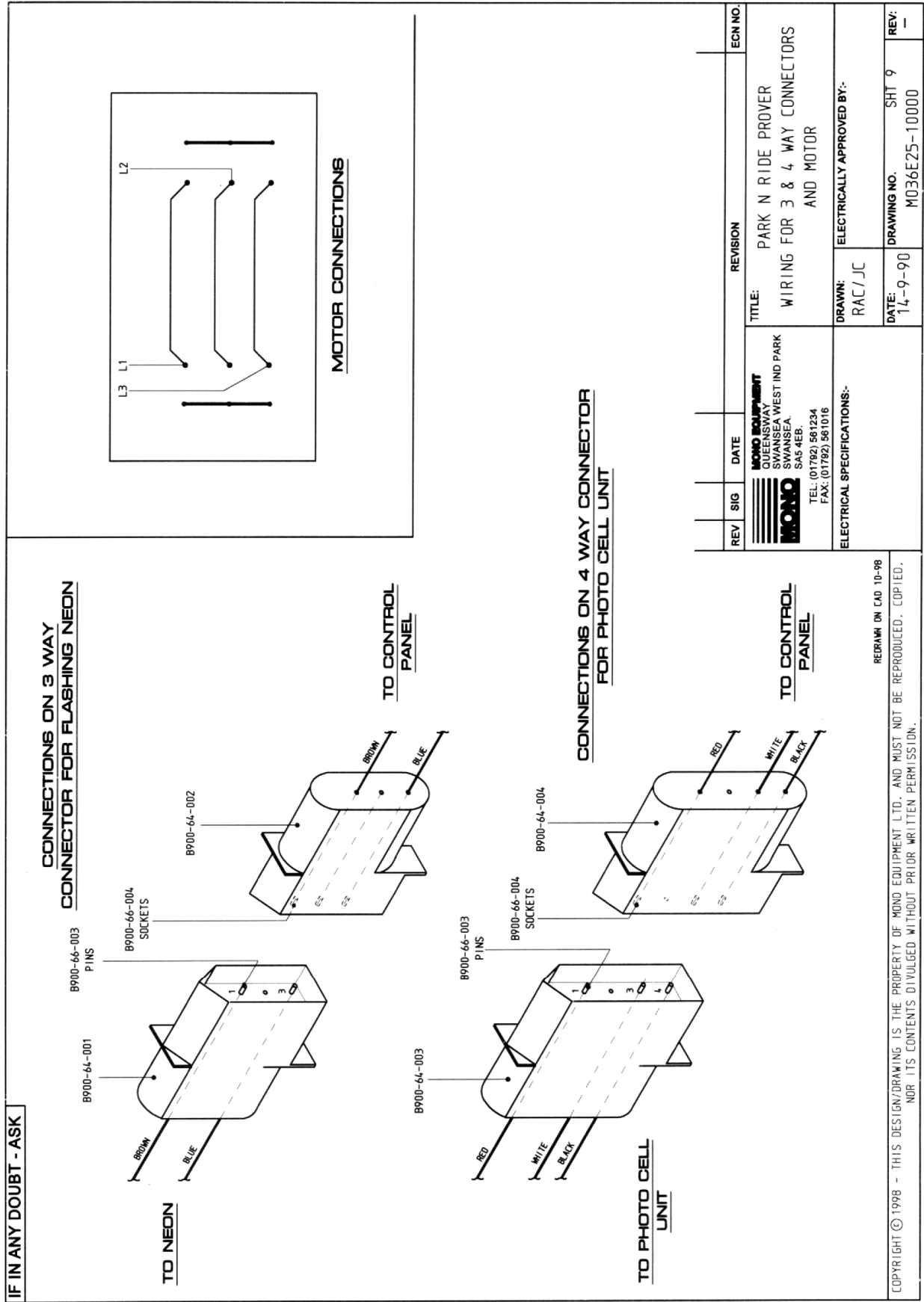


REV	SIG	DATE	REVISION	ECN NO.
TITLE:				
CARRIER STOP LIMIT SWITCH WIRING				
PARK N RIDE PROVER				
DRAWN: ELECTRICALLY APPROVED BY:-				
RAC/JC				
DATE: 15-9-90				
DRAWING NO. M036-25-10000				
REV: —				

REDRAWN ON CAD 10-98

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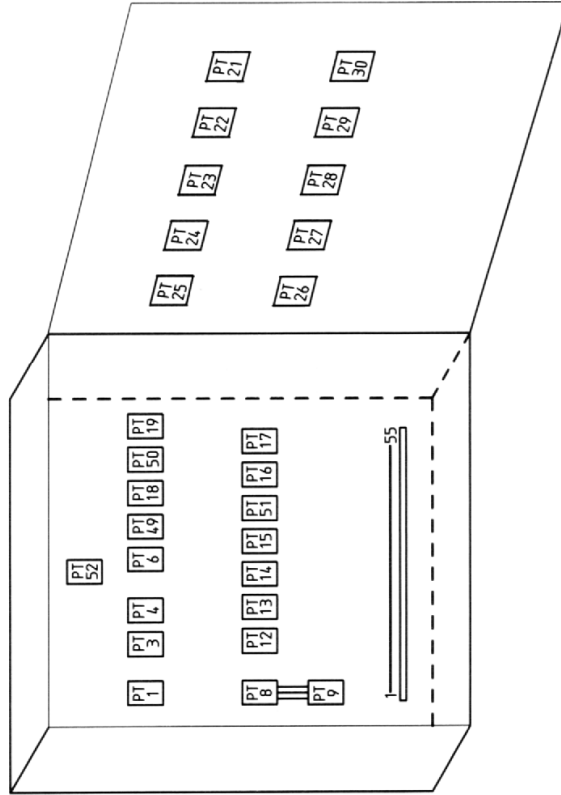
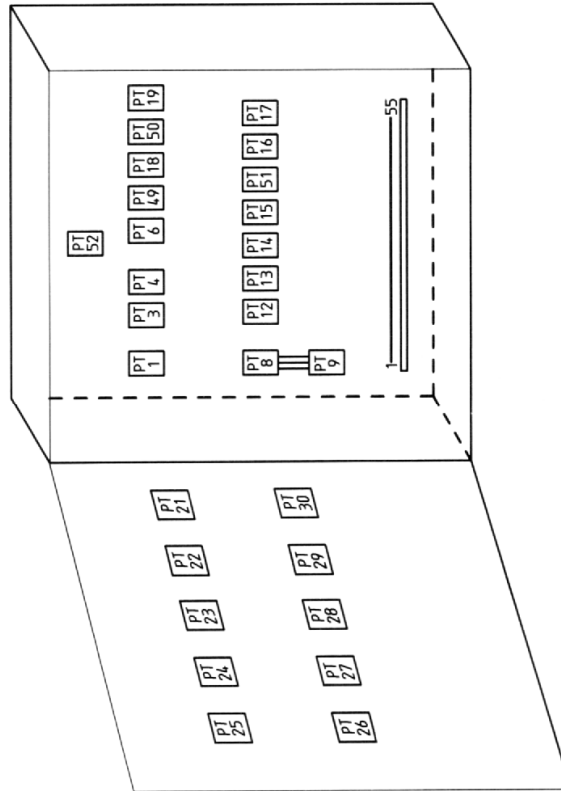




IF IN ANY DOUBT - ASK

L.H. PROVER

R.H. PROVER

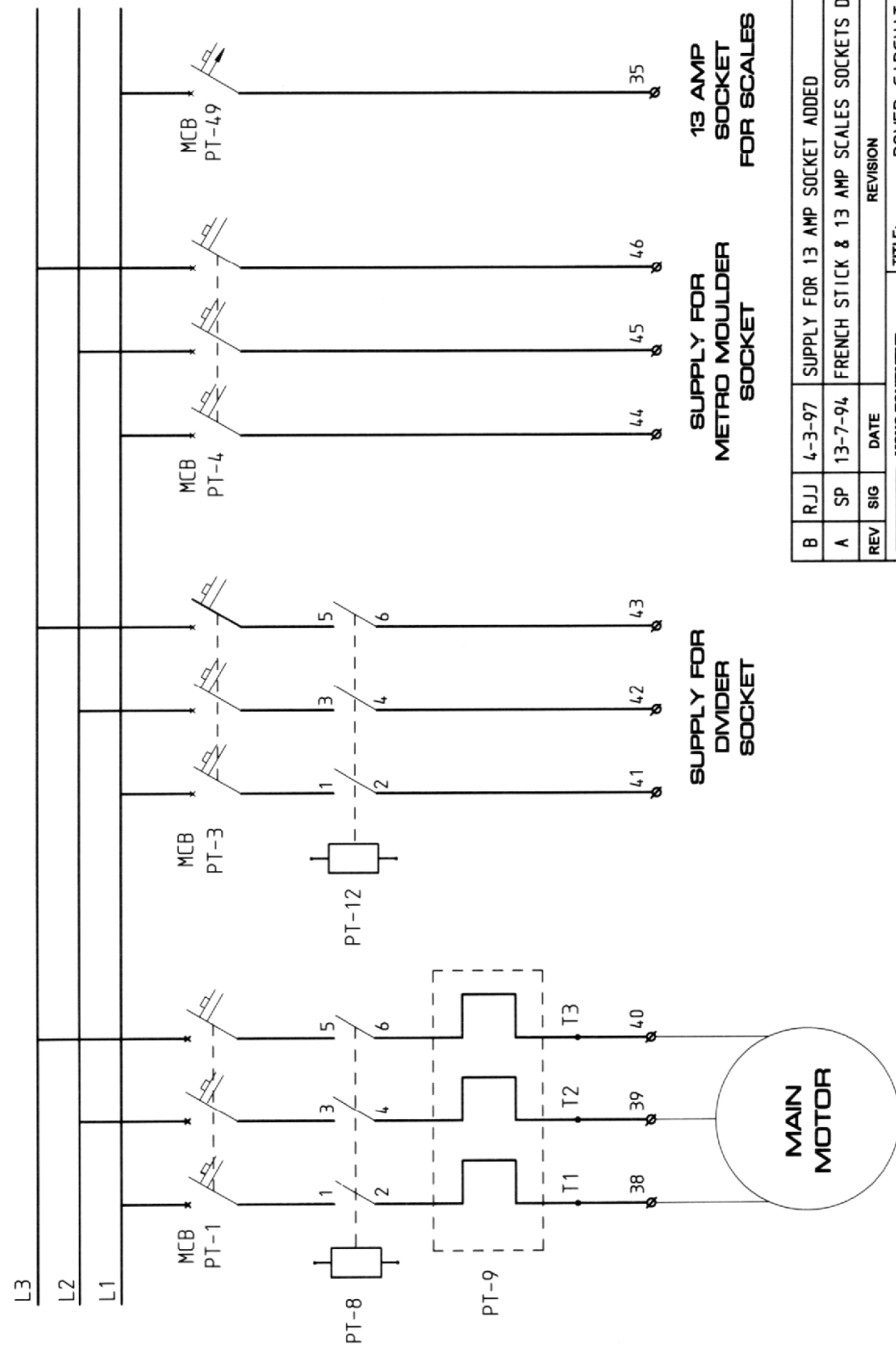



C	RJJ	4-3-97	PT-49 ADDED	02/28
B	SP	13-7-94	PT-5 & PT-49 DELETED	5198
A	SP	23-12-93	PT-20 & PT-7 DELETED	4853
REV	SIG	DATE	REVISION	ECN NO.
TITLE: PARK N RIDE PROVER				
MAIN CONTROL PANEL COMPONENT LAYOUT. (NO CONVEYOR)				
ELECTRICALLY APPROVED BY:-				
DRAWN: RAC/JC				
DATE: 1-93				
DRAWING NO. SHT 11				
REV: C				

MONO EQUIPMENT  
QUEENSWAY  
SWANSEA WEST IND PARK  
SWANSEA  
SAG 4EB.  
TEL: (01792) 581234  
FAX: (01792) 551018

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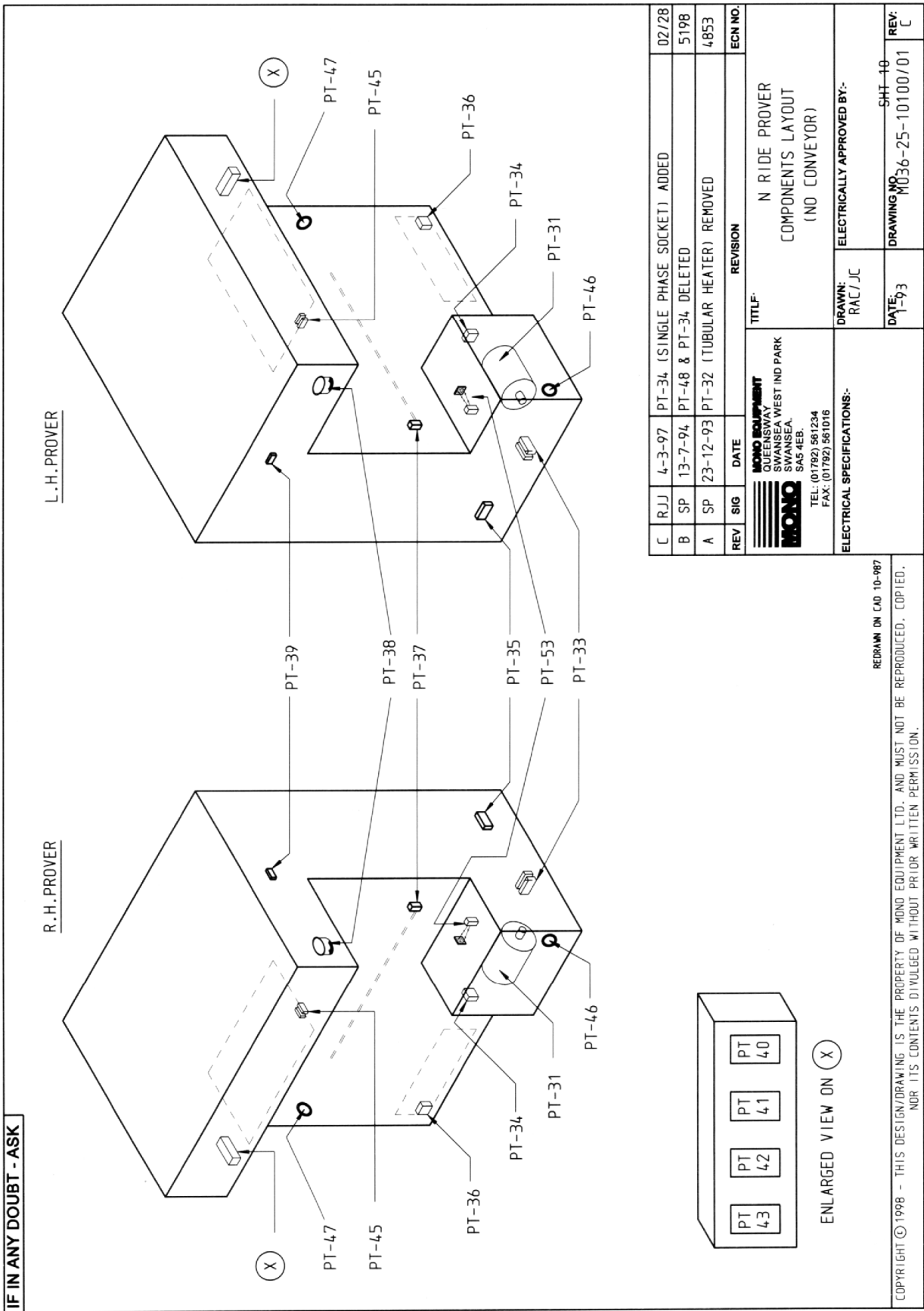
IF IN ANY DOUBT - ASK



B	RJJ	4-3-97	SUPPLY FOR 13 AMP SOCKET ADDED	02/28
A	SP	13-7-94	FRENCH STICK & 13 AMP SCALES SOCKETS DELETED	5198
REV	SIG	DATE	REVISION	ECH NO.
			TITLE: POWER CIRCUIT WIRING DIAGRAM NO CONVEYOR)	
QUEENSWAY SWANSEA WEST IND PARK SA5 4EB. TEL: (01792) 581234 FAX: (01792) 581016			DRAWN: RAC/JC	
ELECTRICAL SPECIFICATIONS:-			ELECTRICALLY APPROVED BY:-	
DRAWING NO. MD36-25-10100			DATE: 1-93	REV: 8
SHT 9				

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C	RJJ	4-3-97	PT-34 (SINGLE PHASE SOCKET) ADDED	02/28
B	SP	13-7-94	PT-48 & PT-34 DELETED	5198
A	SP	23-12-93	PT-32 (TUBULAR HEATER) REMOVED	4853
REV	SIG	DATE	REVISION	ECN NO.
<div style="display: flex; justify-content: space-between;"> <div> <p>MONO EQUIPMENT QUEENSWAY SWANSEA WEST IND PARK SWANSEA SA5 4EB TEL: (01792) 561234 FAX: (01792) 561016</p> </div> <div> <p>TITLE:- N RIDE PROVER COMPONENTS LAYOUT (NO CONVEYOR)</p> </div> </div>				
ELECTRICAL SPECIFICATIONS:-			DRAWN: RAL/JC	ELECTRICALLY APPROVED BY:-
			DATE: 1-93	SHI-18 DRAWING NO: M036-25-10100/01
				REV: C

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DRAWING		DESCRIPTION		MONO	
PT-Ref				PART NUMBER	
PT-1	MAIN MOTOR M.C.B.			8872-22-052	
PT-3	DIVIDER SOCKET M.C.B.			8872-22-052	
PT-4	METRO MOULDER SOCKET M.C.B.			8872-22-052	
PT-6	CONTROL CIRCUIT M.C.B.			8872-22-001	
PT-8	MAIN MOTOR CONTACTOR			8801-08-033	
PT-9	MAIN MOTOR THERMAL OVERLOAD			8801-01-043	
PT-12	DIVIDER SOCKET CONTACTOR			8801-08-033	
PT-13a	STOP/START RELAY			8723-37-006	
PT-13b	STOP/START RELAY BASE			8723-36-001	
PT-14a	DELAYED STOP RELAY			8723-37-006	
PT-14b	DELAYED STOP RELAY BASE			8723-36-001	
PT-15a	PHOTOCELL RELAY			8723-37-006	
PT-15b	PHOTOCELL RELAY BASE			8723-36-001	
PT-16a	AUTO RELAY N'1			8723-37-009	
PT-16b	AUTO RELAY N'1 BASE			8723-36-002	
PT-17a	AUTO RELAY N'2			8723-37-009	
PT-17b	AUTO RELAY N'2 BASE			8723-36-002	
PT-18	XENON LIGHT DELAY TIMER			8842-34-003	
PT-19	PHOTO CELL CONTROLLER UNIT			8822-99-008	
PT-21a	EMERGENCY STOP BUTTON			8801-12-015	
PT-21b	CONTACT BLOCK N/C			8801-14-001	
PT-21c	"EMERGENCY STOP" BUTTON LEGEND			8801-15-003	
PT-22a	START BUTTON			8801-12-002	
PT-22b	START BUTTON N/C CONTACT BLOCK			8801-14-001	
PT-22c	START BUTTON N/O CONTACT BLOCK			8801-14-004	
PT-22d	"START" BUTTON LEGEND			8801-15-002	
PT-23a	DELAYED STOP BUTTON			8801-12-001	
PT-23b	CONTACT BLOCK N/C			8801-14-001	
PT-23c	CONTACT BLOCK N/O			8801-14-004	
PT-23d	"DELAYED STOP" BUTTON LEGEND			8801-15-010	
PT-24a	INFEEED BUTTON			8801-12-021	
PT-24b	CONTACT BLOCK N/C			8801-14-001	
PT-24c	"INFEEED" BUTTON LEGEND			8801-15-015	
PT-25a	AUTO BUTTON			8801-12-021	
PT-25b	CONTACT BLOCK N/O			8801-14-002	
PT-25c	"AUTO" BUTTON LEGEND			8801-15-016	
PT-26a	DRIVE BOX INDICATOR LIGHT BODY			8801-43-012	
PT-26b	DRIVE BOX INDICATOR LIGHT LENS			8801-44-002	
PT-26c	"DRIVE BOX" INDICATOR LIGHT LEGEND			8801-15-005	
PT-27a	CLEANING DOOR INDICATOR LIGHT BODY			8801-43-012	
PT-27b	CLEANING DOOR INDICATOR LIGHT LENS			8801-44-002	
PT-27c	"CLEANING DOOR" LIGHT LEGEND			8801-15-006	
PT-28a	SAFETY BAR INDICATOR LIGHT BODY			8801-43-012	
PT-28b	SAFETY BAR INDICATOR LIGHT LENS			8801-44-002	
PT-28c	"SAFETY BAR" LIGHT LEGEND			8801-15-007	
PT-29a	CARRIER STOP INDICATOR LIGHT BODY			8801-43-012	
PT-29b	CARRIER STOP INDICATOR LIGHT LENS			8801-44-002	
PT-29c	"CARRIER STOP" LIGHT LEGEND			8801-15-008	

F	JC	20-6-07	8801-08-001 was 8859-08-033; 8801-01-043 was 8859-01-043	3008
E	JC	6-3-03	8801-01-044 was 8859-01-001	1953
D	JC	8-9-98	PT19 WAS 8822-99-008. NEW PHOTOCELL UNIT 8723-37-006 WAS 8822-37-001; 8723-36-001 WAS 8822-36-005; 8723-37-009 WAS 8822-37-005; 8723-36-002 WAS 8822-36-008. 8822-38-003 DELETED	07/98
C	JC	3-3-97	PT34 & 49 REPLACED.	02/28
B	S.P	13-7-94	PT34 & 49 & SIFRENCH STICK MOULDER SOCKET NCB DELETED	5198
A	60/PB	23-7-93	PT32, HEATER & ASSOC'D ITEMS DELETED. (REDRAWN)	4853
REV	SIG	DATE	REVISION	ECN NO.
<div>  <p>MONO EQUIPMENT QUEENSWAY SWANSEA WEST IND PARK SWANSEA, SA2 8AB. TEL: (01792) 561024 FAX: (01792) 561016 Email: engineering@monoequip.com</p> </div>				
<div> <p><b>TITLE:</b></p> <p>COMPONENT LIST FOR PARK n RIDE PROVER.NO CONVEYOR</p> </div>				
<div> <p><b>ELECTRICAL SPECIFICATIONS:-</b></p> <p>DRAWN: RAC/JC DATE: 8-9-98 ELECTRICALLY APPROVED BY:- DRAWING NO. M036E25-10100 SHEET 12a REV F</p> </div>				

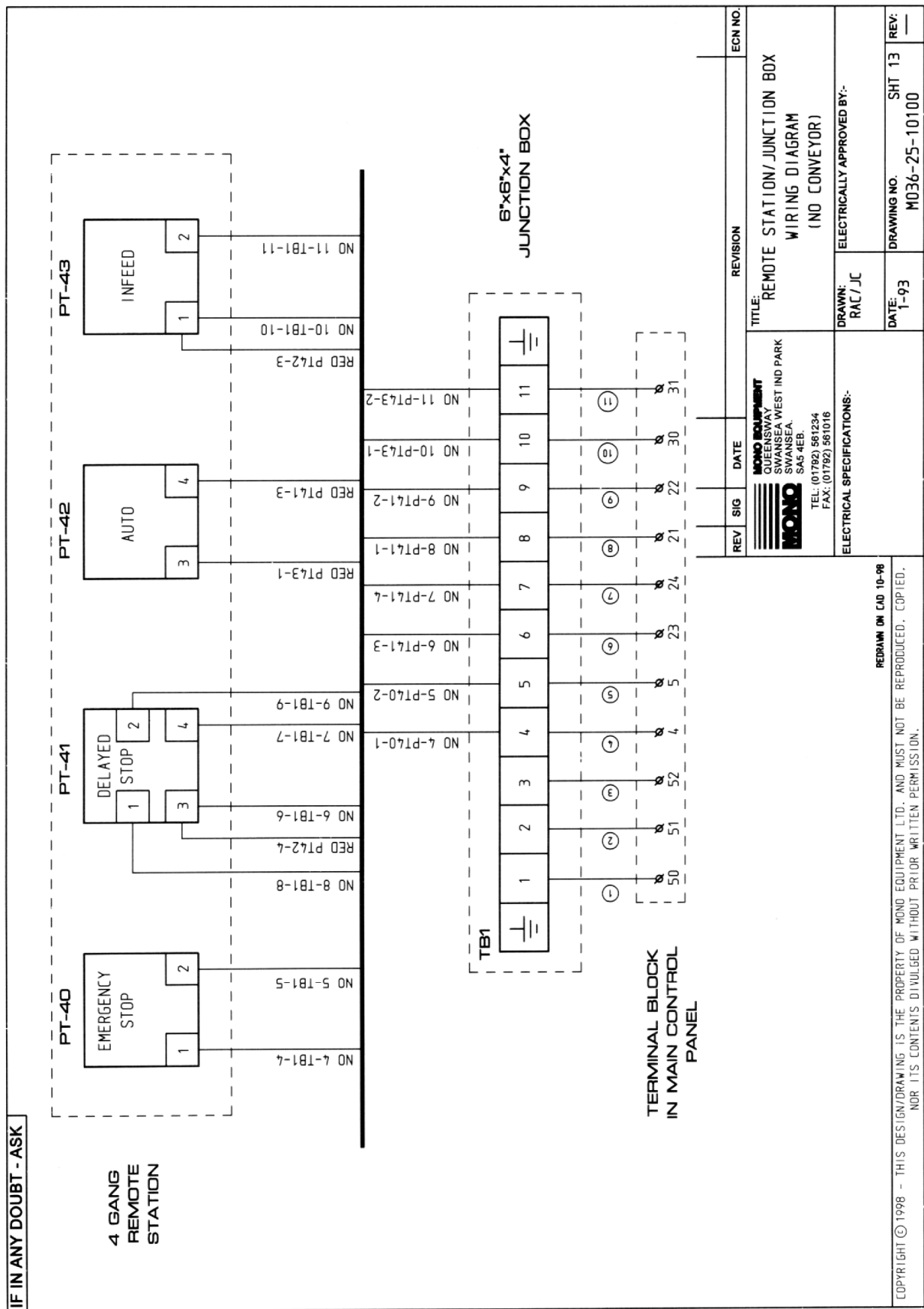
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<u>DRAWING</u> <u>PT-Ref</u>		<u>DESCRIPTION</u>		<u>MONO</u> <u>PART NUMBER</u>		<u>DRAWING</u> <u>PT-Ref</u>		<u>DESCRIPTION</u>		<u>MONO</u> <u>PART NUMBER</u>	
PT-30a		ACCESS DOOR INDICATOR LIGHT BODY		B801-43-012		PT-45		ACCESS DOOR SAFETY SWITCH		B818-07-010	
PT-30b		ACCESS DOOR INDICATOR LIGHT LENS		B801-44-002		PT-46		DIVIDER SOCKET		B814-06-002	
PT-30c		"ACCESS DOOR" LIGHT LEGEND		B801-15-009		PT-47		METRO MOULDER SOCKET		B814-06-002	
PT-31		MAIN MOTOR (up to March 2011)		B912-74-008		PT-48		FRENCH STICK MOULDER SOCKET		B814-06-002	
PT-31		MAIN MOTOR (after March 2011)		B912-74-032		PT-49		SINGLE PHASE SOCKET M.C.B.		B872-22-002	
PT-31		MAIN MOTOR (after Oct 2012)		B912-74-034		PT-50		AUTO DELAY TIMER		B842-34-003	
PT-33		DRIVE BOX SAFETY SWITCH		B818-07-010		PT-51		INDEX RELAY		B723-37-006	
PT-34		SINGLE PHASE SOCKET OUTLET		B711-06-001		PT-52		MAIN PANEL DOOR INTERLOCK SWITCH		B807-07-007	
PT-35		INDEX SWITCH		B801-11-001		PT-53		PHOTO CELL UNIT		B822-99-003	
PT-36		CLEANING DOOR SAFETY SWITCH		B863-07-001							
PT-37		SAFETY BAR SAFETY SWITCH		B801-11-001							
PT-38		XENON FLASHING BEACON		B842-43-003							
PT-39a		CARRIER STOP SAFETY SWITCH BODY		B801-11-005							
PT-39b		CARRIER STOP SWITCH ACTUATOR		B801-43-004							
PT-40a		REMOTE EMERGENCY STOP BUTTON		B801-12-015							
PT-40b		CONTACT BLOCK N/C		B801-14-001							
PT-40c		EMERGENCY STOP LEGEND		B801-15-003							
PT-41a		REMOTE DELAYED STOP BUTTON		B801-12-001							
PT-41b		CONTACT BLOCK N/C		B801-14-001							
PT-41c		CONTACT BLOCK N/O		B801-14-002							
PT-41d		DELAYED STOP BUTTON LEGEND		B801-15-010							
PT-42a		REMOTE AUTO BUTTON		B801-12-021							
PT-42b		CONTACT BLOCK N/O		B801-14-002							
PT-42c		AUTO BUTTON LEGEND		B801-15-016							
PT-43a		REMOTE INFEEED BUTTON		B801-12-021							
PT-43b		CONTACT BLOCK N/C		B801-14-001							
PT-43c		INFEEED BUTTON LEGEND		B801-15-015							

E	J	6-3-03	SEE SHEET 12b	1953
D	J	8-9-98	B723-37-006 WAS B822-37-001; B723-36-001 WAS B822-36-005; B723-37-009 WAS B822-37-005; B723-36-002 WAS B822-36-008. B822-38-003 DELETED	07/98
C	J	3-3-97	PARTS 34 & 49 REPLACED.	02/28
B	S.P	13-7-94	PT34, 49 & 51 FRENCH STICK MOULDER SOCKET MCB DELETED	5/98
A	60/98	23-7-93	PT32, HEATER & ASSOC'D ITEMS DELETED. (REDRAWN)	4/83
REV	SIG	DATE	REVISION	ECN NO.
<div>  <div> MONO EQUIPMENT  QUEENSWAY  SWANSEA WEST IND PARK  SWANSEA, SA5 4EB.  TEL: (01792) 581234  FAX: (01792) 581016  Email: engineering@monoequip.com </div> </div>				
			TITLE:	
			COMPONENT L1 RIDE PROVER,IND CONVEYOR	
			DRAWN:	ELECTRICALLY APPROVED BY:-
			RAC/JC	P. BOYLES
			DATE:	SHEET 12b
			8-9-98	M036E25-10100
				REV: E

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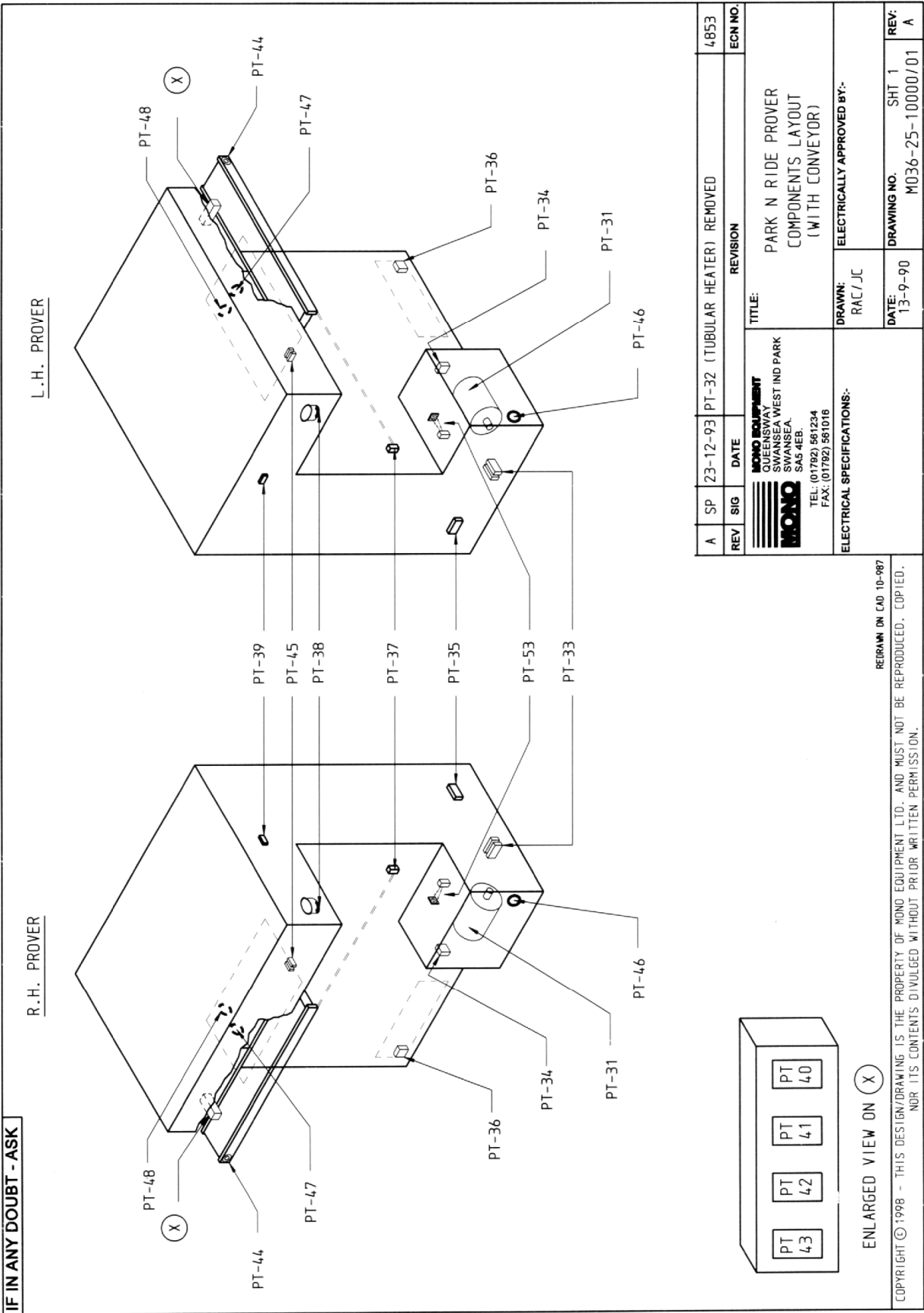







## **9.0 ELECTRICAL INFORMATION**

**(WITH CONVEYOR)**



DRAWING		DESCRIPTION		MONO		DRAWING		DESCRIPTION		MONO	
PT-Ref				PART NUMBER		PT-Ref				PART NUMBER	
PT-1	MAIN MOTOR M.C.B.			B872-22-052		PT-23a	DELAY STOP BUTTON			B801-12-001	
PT-2	CONVEYOR MOTOR M.C.B.			B872-22-051		PT-23b	CONTACT BLOCK N/C			B801-14-001	
PT-3	DIVIDER SOCKET M.C.B.			B872-22-052		PT-23c	CONTACT BLOCK N/O			B801-14-004	
PT-4	METRO MOULDER SOCKET M.C.B.			B872-22-052		PT-23d	"DELAYED STOP" BUTTON LEGEND			B801-15-010	
PT-5	FRENCH STICK MOULDER SOCKET M.C.B.			B872-22-052		PT-24a	INFEEED BUTTON			B801-12-021	
PT-6	CONTROL SOCKET M.C.B.			B872-22-001		PT-24b	CONTACT BLOCK N/C			B801-14-001	
PT-8	MAIN MOTOR CONTACTOR			B801-08-033		PT-24c	"INFEEED" BUTTON LEGEND			B801-15-015	
PT-9	MAIN MOTOR THERMAL OVERLOAD			B801-01-043		PT-25a	AUTO BUTTON			B801-12-021	
PT-10	CONVEYOR FORWARD CONTACTOR			B801-08-033		PT-25b	CONTACT BLOCK N/O			B801-14-002	
PT-11	CONVEYOR MOTOR THERMAL OVERLOAD			B801-01-044		PT-25c	"AUTO" BUTTON LEGEND			B801-15-016	
PT-12	DIVIDER SOCKET CONTACTOR			B801-08-033		PT-26a	DRIVE BOX INDICATOR LIGHT BODY			B801-43-012	
PT-13a	STOP/START RELAY			B723-37-006		PT-26b	DRIVE BOX INDICATOR LIGHT LENS			B801-44-002	
PT-13b	STOP/START RELAY BASE			B723-36-001		PT-26c	"DRIVE BOX" INDICATOR LIGHT LEGEND			B801-15-005	
PT-14a	DELAYED STOP RELAY			B723-37-006		PT-27a	CLEANING DOOR INDICATOR LIGHT BODY			B801-43-012	
PT-14b	DELAYED STOP RELAY BASE			B723-36-001		PT-27b	CLEANING DOOR INDICATOR LIGHT LENS			B801-44-002	
PT-15a	PHOTOCELL RELAY			B723-37-006		PT-27c	"CLEANING DOOR" LIGHT LEGEND			B801-15-006	
PT-15b	PHOTOCELL RELAY BASE			B723-36-001		PT-28a	SAFETY BAR INDICATOR LIGHT BODY			B801-43-012	
PT-16a	AUTO RELAY N'1			B723-37-009		PT-28b	SAFETY BAR INDICATOR LIGHT LENS			B801-44-002	
PT-16b	AUTO RELAY N'1 BASE			B723-36-002		PT-28c	"SAFETY BAR" LIGHT LEGEND			B801-15-007	
PT-17a	AUTO RELAY N'2			B723-37-009							
PT-17b	AUTO RELAY N'2 BASE			B723-36-002							
PT-18	XENON LIGHT DELAY TIMER			B843-34-003							
PT-19	PHOTOCELL CONTROLLER UNIT			B822-99-008							
PT-21a	EMERGENCY STOP BUTTON			B801-12-015							
PT-21b	CONTACT BLOCK N/C			B801-14-001							
PT-21c	"EMERGENCY STOP" BUTTON LEGEND			B801-15-003							
PT-22a	START BUTTON			B801-12-002							
PT-22b	START BUTTON N/C CONTACT BLOCK			B801-14-001							
PT-22c	START BUTTON N/O CONTACT BLOCK			B801-14-004							
PT-22d	"START" BUTTON LEGEND			B801-15-002							

F	JC	20-6-07	B801-08-001 was B859-08-033; B801-01-043 was B859-01-043	3008
E	JC	6-3-03	B801-01-044 was B859-01-001	1953
D	JC	8-9-98	PT19 WAS B822-99-002. NEW PHOTOCELL UNIT B723-37-006 WAS B822-37-001; B723-36-001 WAS B822-36-005; B723-37-009 WAS B822-37-005; B723-36-002 WAS B822-36-008. B822-38-003 DELETED	07/98
C	60/PS	23-7-93	PT32, HEATER & ASSOC'D ITEMS DELETED. (REDRAWN)	4853
REV	SIG	DATE	REVISION	ECN NO.
<div>  <p>MONO EQUIPMENT QUEENSWAY SWANSEA WEST IND PARK SWANSEA, SA5 4EB. TEL: (01782) 561234 FAX: (01782) 561016 Email: engineering@monoequip.com</p> </div>				
<div> <p>TITLE:</p> <p>COMPONENT LIST FOR PARK n RIDE PROVER</p> </div>				
<div> <p>ELECTRICAL SPECIFICATIONS:-</p> <p>DRAWN: RAC / JC</p> <p>DATE: 8-9-98</p> <p>ELECTRICALLY APPROVED BY:-</p> </div>				
<div> <p>DRAWING NO. M036E25-10000</p> <p>REV: F</p> </div>				

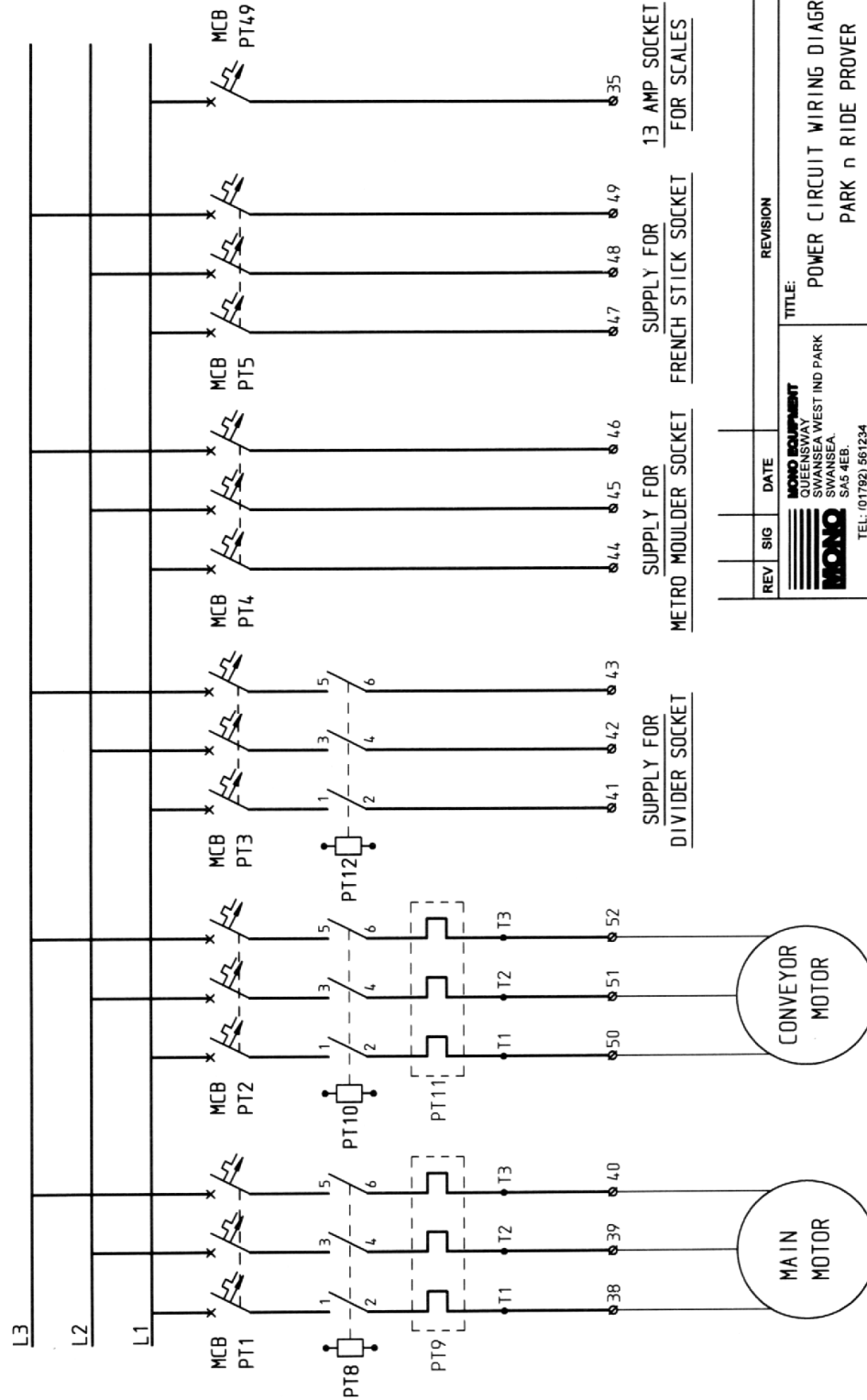
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DRAWING		DESCRIPTION		MONO		DRAWING		DESCRIPTION		MONO	
PT-Ref				PART NUMBER		PT-Ref				PART NUMBER	
PT-29a		CARRIER STOP INDICATOR LIGHT BODY		B801-43-012		PT-43b		CONTACT BLOCK N/C		B801-14-001	
PT-29b		CARRIER STOP INDICATOR LIGHT LENS		B801-44-002		PT-43c		INFEED BUTTON LEGEND		B801-15-015	
PT-29c		"CARRIER STOP" LIGHT LEGEND		B801-15-008		PT-44		CONVEYOR MOTOR		B949-74-001	
PT-30a		ACCESS DOOR INDICATOR LIGHT BODY		B801-43-012		PT-45		ACCESS DOOR SAFETY SWITCH		B818-07-010	
PT-30b		ACCESS DOOR INDICATOR LIGHT LENS		B801-44-002		PT-46		DIVIDER SOCKET		B813-06-001	
PT-30c		"ACCESS DOOR" LIGHT LEGEND		B801-15-009		PT-47		METRO MOULDER SOCKET		B813-06-001	
PT-31		MAIN MOTOR (up to March 2011)		B912-74-008		PT-48		FRENCH STICK MOULDER SOCKET		B813-06-001	
PT-31		MAIN MOTOR (after March 2011)		B912-74-032		PT-49		SINGLE PHASE SOCKET M.C.B.		B872-22-002	
PT-31		MAIN MOTOR (after Oct 2012)		B912-74-034		PT-50		AUTO DELAY TIMER		B842-34-003	
PT-33		DRIVE BOX SAFETY SWITCH		B818-07-010		PT-51		INDEX RELAY		B723-37-006	
PT-34		SINGLE PHASE SOCKET OUTLET		B835-06-001		PT-52		MAIN PANEL DOOR INTERLOCK SWITCH		B807-07-007	
PT-35		INDEX SWITCH		B801-11-001		PT-53		PHOTOCELL UNIT		B822-99-003	
PT-36		CLEANING DOOR SAFETY SWITCH		B863-07-001		PT-54		CONVEYOR REVERSE CONTACTOR		B859-08-024	
PT-37		SAFETY BAR SAFETY SWITCH		B801-11-001		PT-55a		CONVEYOR FORWARD/REVERSE SWITCH		B801-12-011	
PT-38		XENON FLASHING BEACON		B842-43-003		PT-55b		CONVEYOR FORWARD/REVERSE SWITCH CONTACT BLOCK		B801-14-005	
PT-39a		CARRIER STOP SAFETY SWITCH BODY		B801-11-005		PT-55c		CONVEYOR SWITCH LEGEND		B801-15-012	
PT-39b		CARRIER STOP SWITCH ACTUATOR		B801-43-004		PT-55d		CONVEYOR SWITCH ENCLOSURE		B801-09-011	
PT-40a		REMOTE EMERGENCY STOP BUTTON		B801-12-015							
PT-40b		CONTACT BLOCK N/C		B801-14-001							
PT-40c		EMERGENCY STOP LEGEND		B801-15-003							
PT-41a		REMOTE DELAYED STOP BUTTON		B801-12-001							
PT-41b		CONTACT BLOCK N/C		B801-14-001							
PT-41c		CONTACT BLOCK N/D		B801-14-002							
PT-41d		DELAYED STOP BUTTON LEGEND		B801-15-010							
PT-42a		REMOTE AUTO BUTTON		B801-12-021							
PT-42b		CONTACT BLOCK N/D		B801-14-002							
PT-42c		AUTO BUTTON LEGEND		B801-15-016							
PT-43a		REMOTE INFEED BUTTON		B801-12-021							

E	JC	6-3-03	SEE SHT 12a	1953
D	JC	8-9-98	B723-37-006 WAS B822-37-001; B723-36-001 WAS B822-36-005; B723-37-009 WAS B822-37-005; B723-36-002 WAS B822-36-008. B822-36-003 DELETED	07/98
C	GO/PB	23-7-93	PT32, HEATER & ASSOC'D ITEMS DELETED.	4853
REV	SIG	DATE	REVISION	ECN NO.
MONO EQUIPMENT QUEENSWAY SWANSEA WEST IND PARK SWANSEA, SA4 4EB. TEL: (01782) 581244 FAX: (01782) 561016 Email: engineering@monoequip.com				
TITLE: COMPONENT LIST PARK n RIDE PROVER				
ELECTRICAL SPECIFICATIONS:-				
DRAWN:			ELECTRICALLY APPROVED BY:-	
RAC/JC			P. BOYLES	
DATE:			DRAWING NO.	
8-9-98			SHEET 26	
			REV:	
			M036E25-10000	
			E	

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IF IN ANY DOUBT - ASK

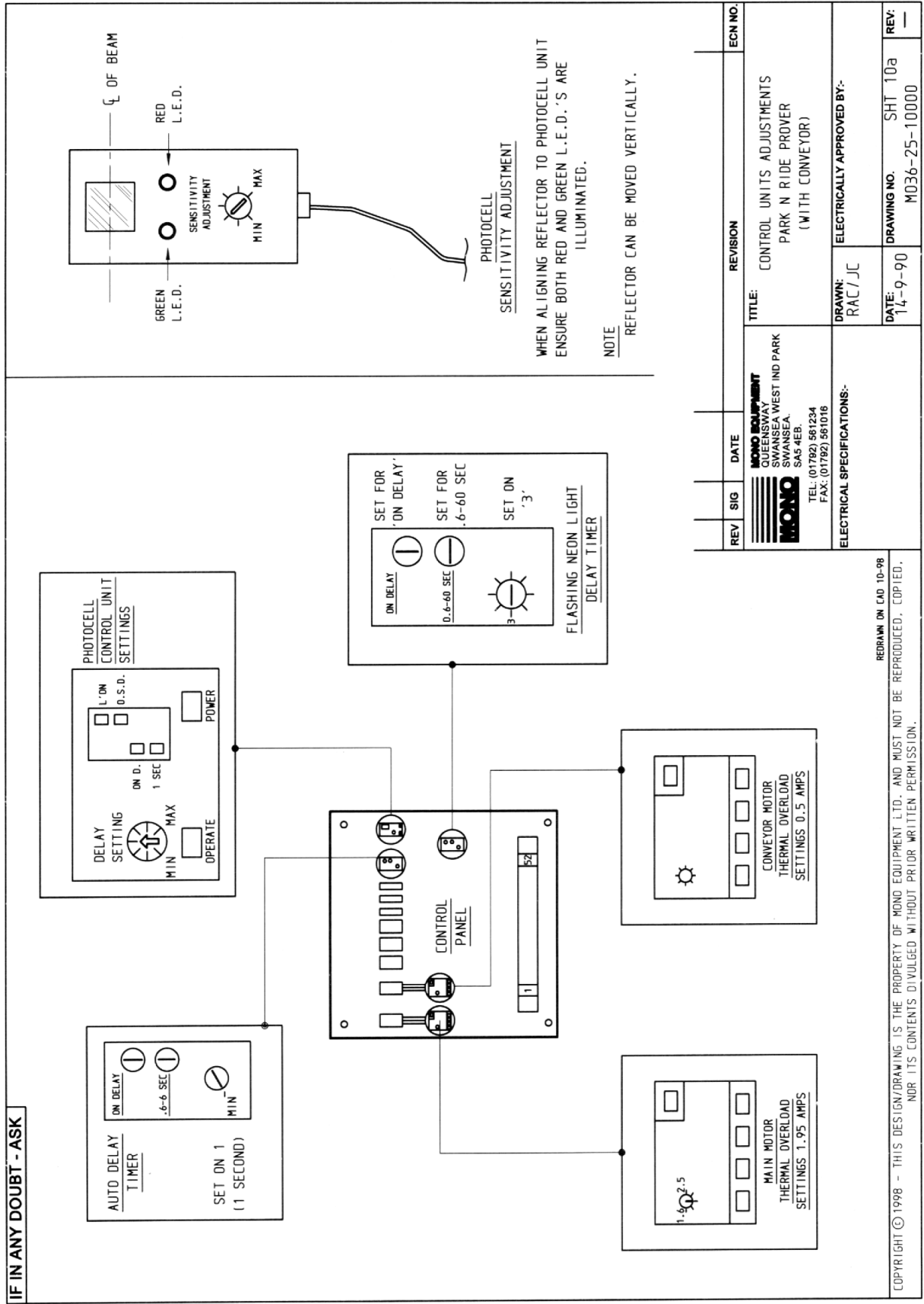


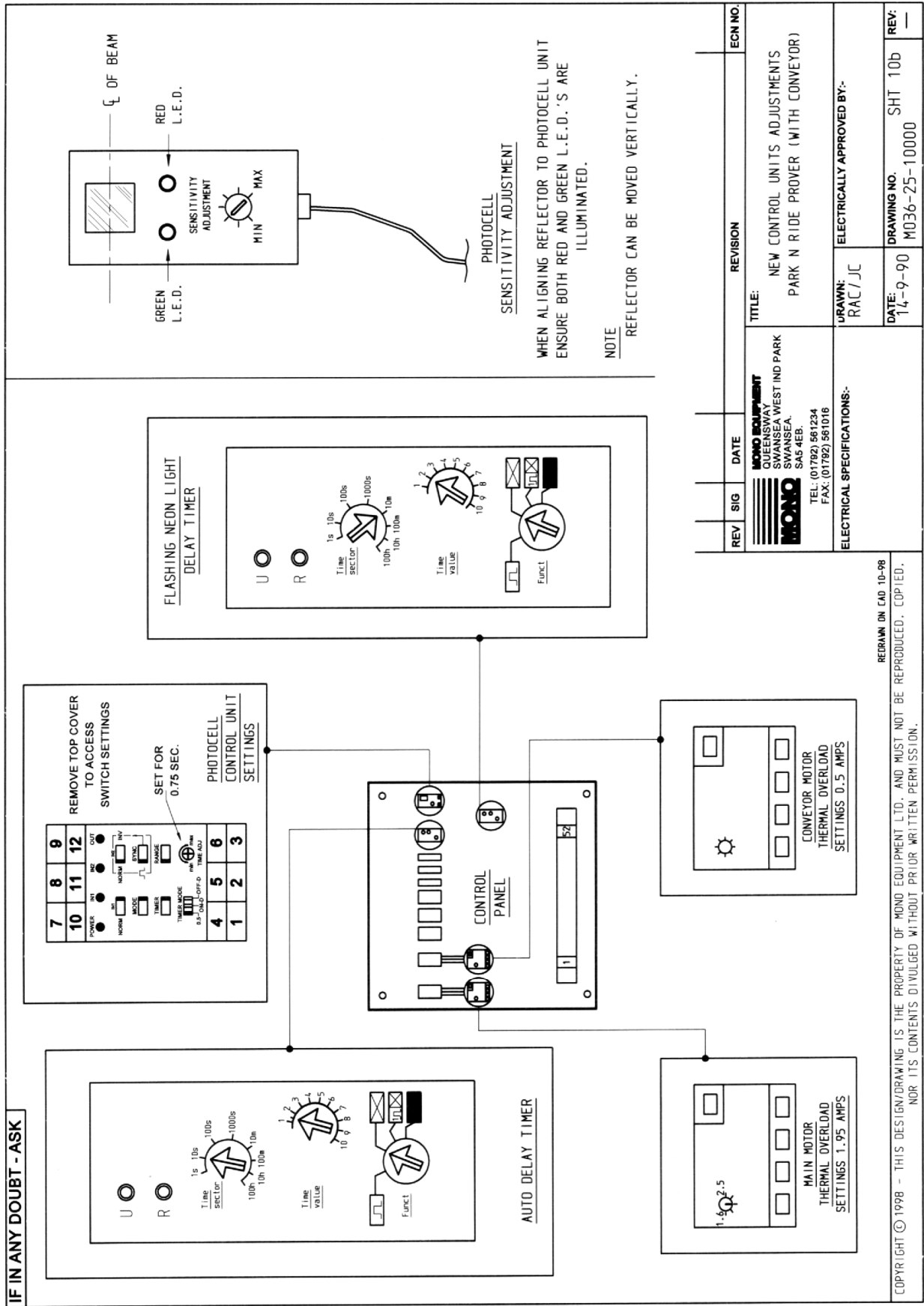
REV	SIG	DATE	REVISION	ECN NO.
TITLE: POWER CIRCUIT WIRING DIAGRAM PARK n RIDE PROVER				
DRAWN: RAC				
DATE: 12-9-90				
DRAWING NO. M036-25-10000 SH15				
REV:				

REDRAWN ON CAD NO CHANGE 21/10/94

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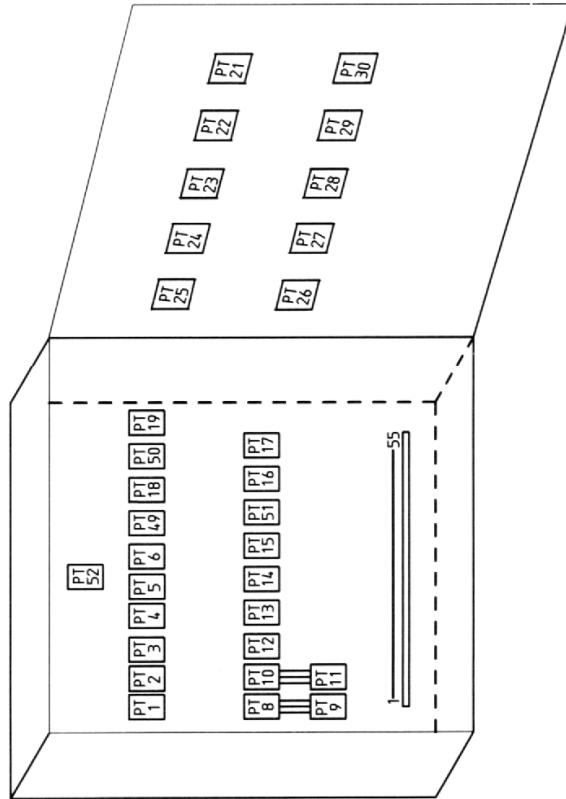
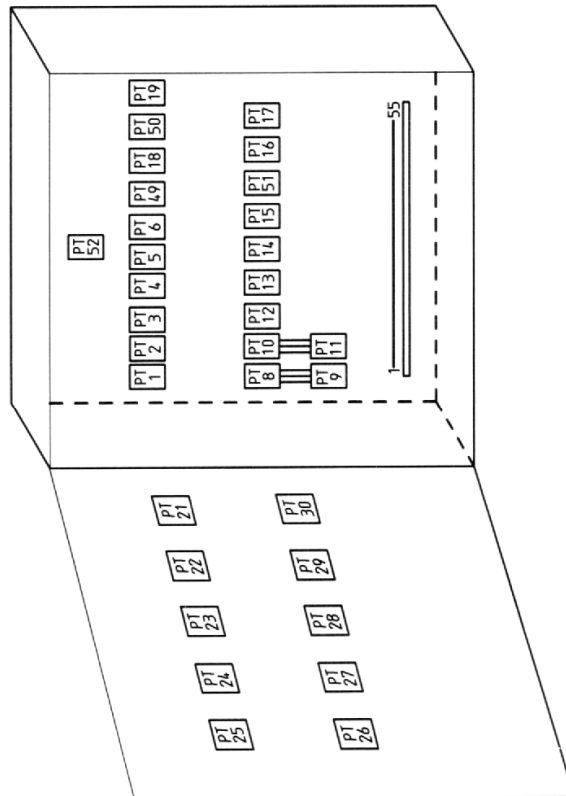





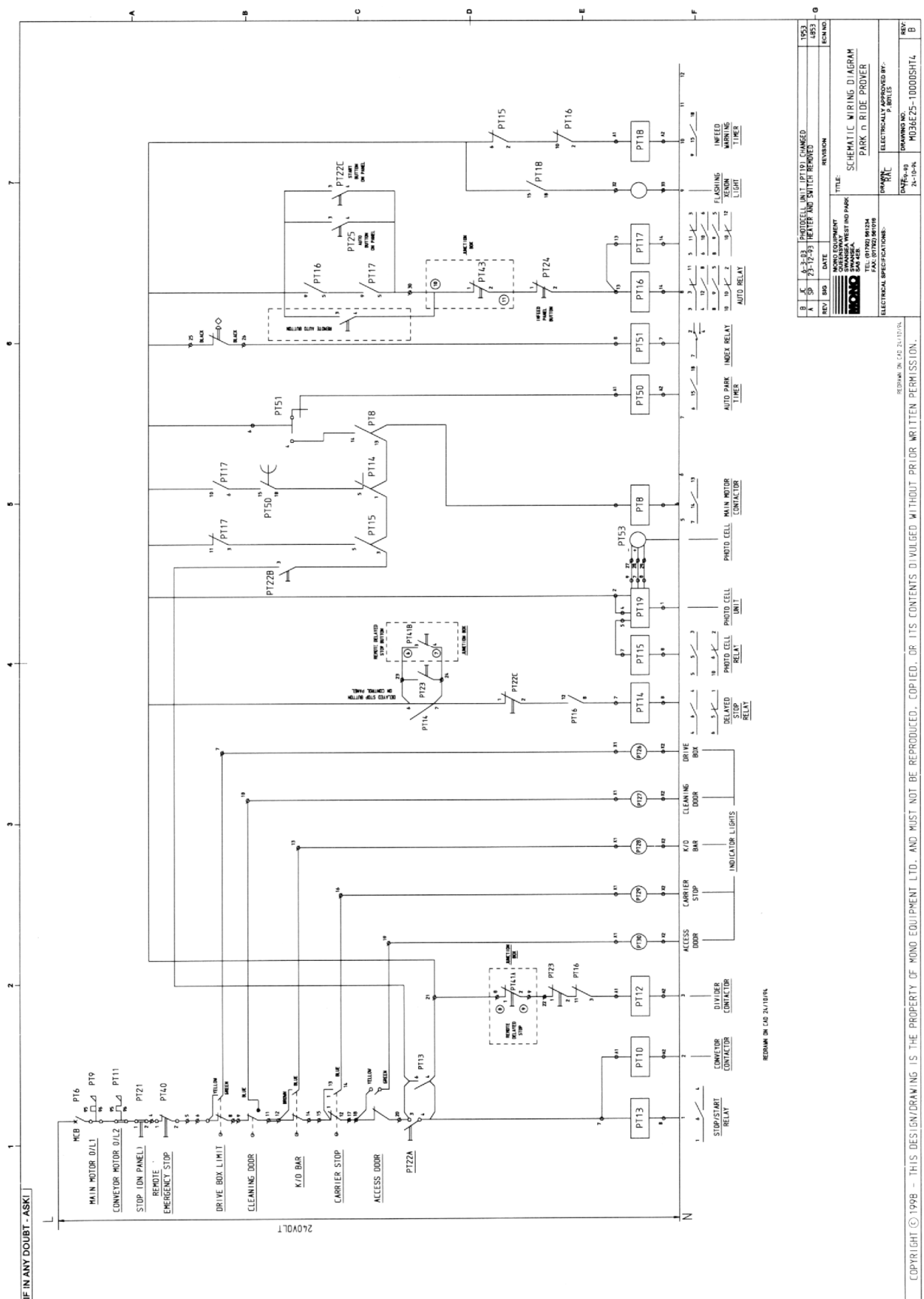
IF IN ANY DOUBT - ASK

L.H. PROVER

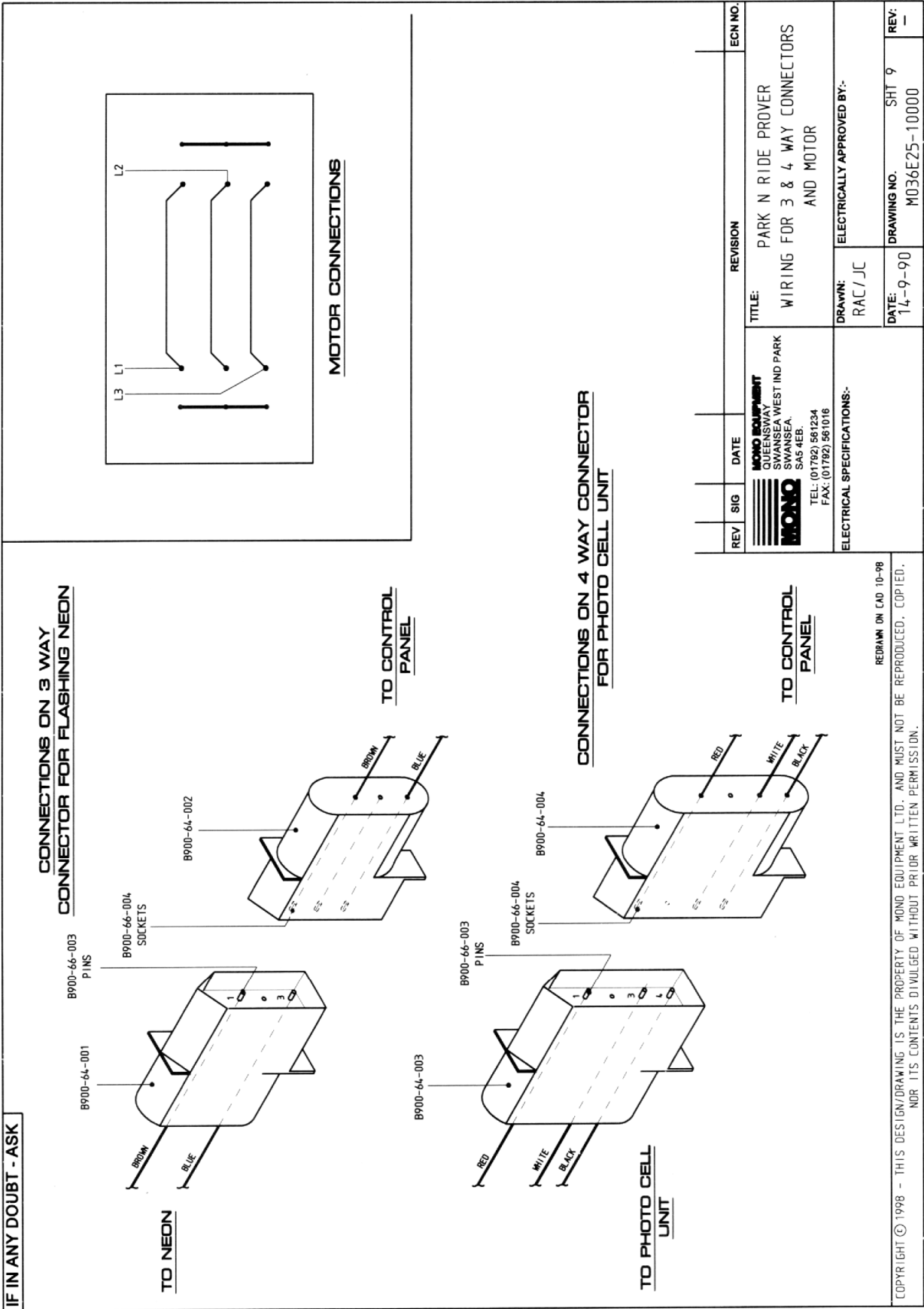
R.H. PROVER



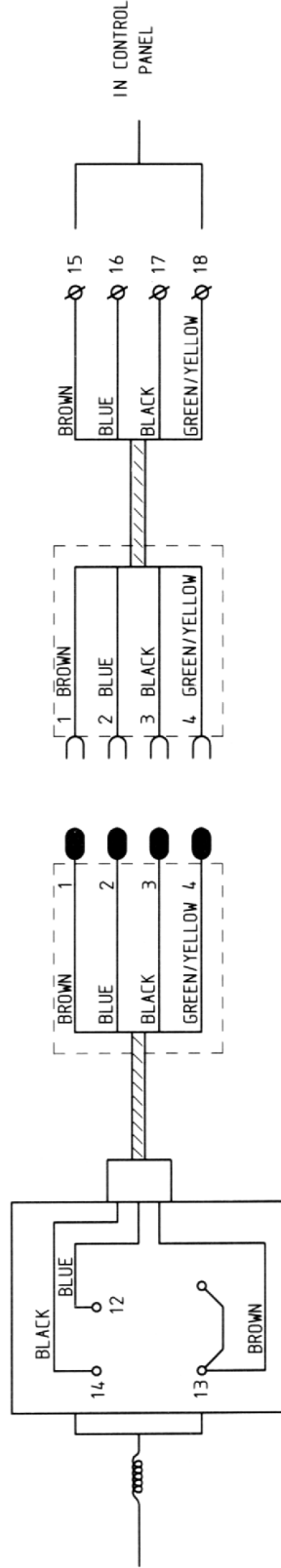
A	SP	23-12-93	PT-20 & PT-7 DELETED	4853
REV	SIG	DATE	REVISION	ECN NO.
<div><div><b>MONO EQUIPMENT</b> QUEENSWAY SWANSEA WEST IND PARK SWANSEA, SA5 4EB. TEL: (01792) 581234 FAX: (01792) 581016</div><div>TITLE: PARK N RIDE PROVER MAIN CONTROL PANEL COMPONENT LAYOUT (WITH CONVEYOR)</div></div>				
ELECTRICAL SPECIFICATIONS:-			DRAWN: RAC/JC	ELECTRICALLY APPROVED BY:-
REVISION ON CAD 10-98			DATE: 1-93	DRAWING NO. MD36-25-10000/01
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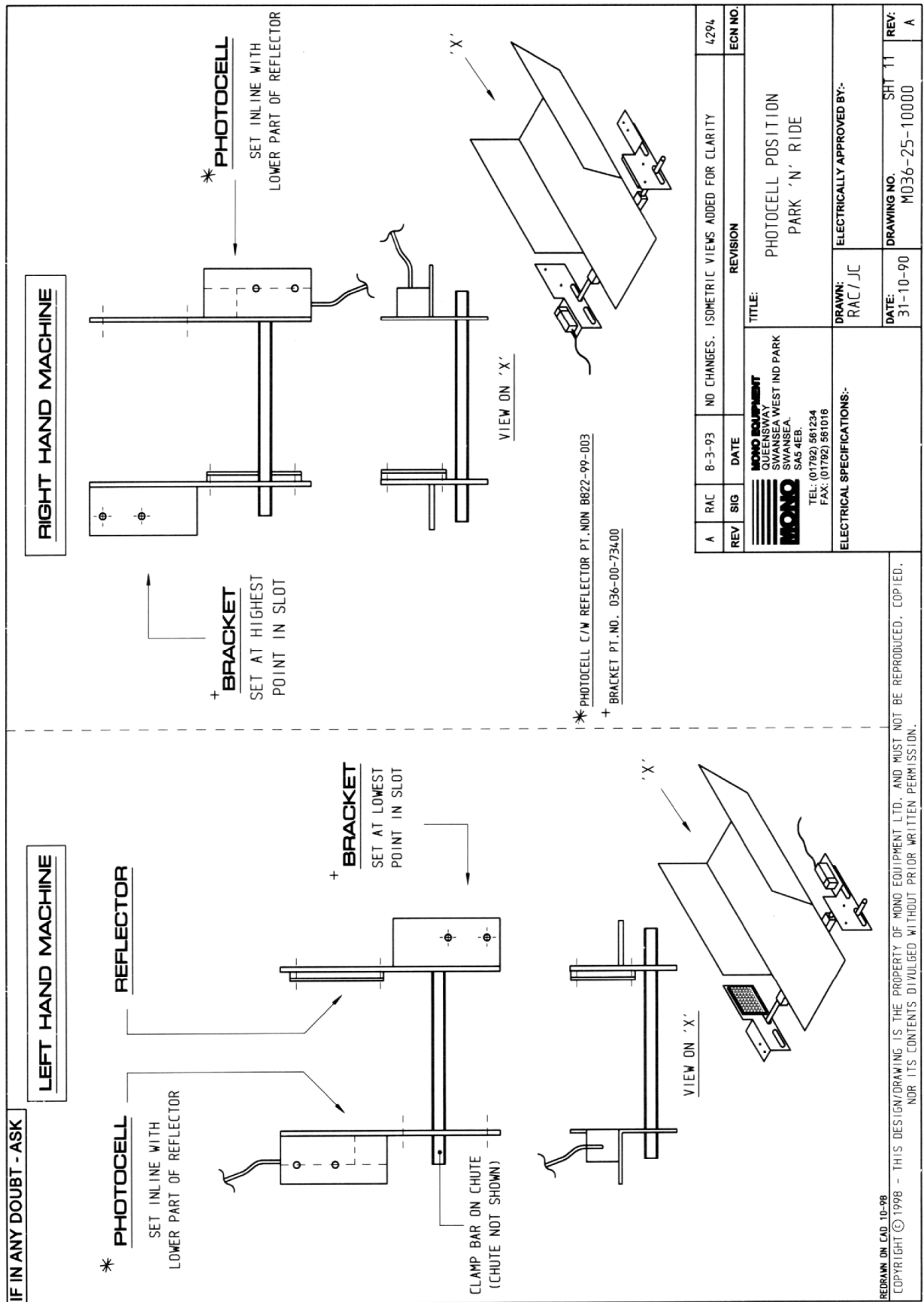




IF IN ANY DOUBT - ASK



REV	SIG	DATE	REVISION	ECN NO.
TITLE: CARRIER STOP LIMIT SWITCH WIRING PARK N RIDE PROVER				
DRAWN: ELECTRICALLY APPROVED BY:-				
RAC/JC				
DATE: 15-9-90				
DRAWING NO. M036-25-10000				
REV: —				
ELECTRICAL SPECIFICATIONS:-				
MONO EQUIPMENT QUEENSWAY SWANSEA WEST IND PARK SWANSEA SA5 4EB. TEL: (01792) 561234 FAX: (01792) 561016				
REBORN ON CAD 10-98				
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## 10.0 SPARES INFORMATION

If a fault arises, please do not hesitate to contact the Customer Service Department, quoting the **machine serial number** on the silver information plate of the machine and on the front cover of this manual

### SPARES and OVERSEAS SUPPORT:

**MONO**  
**Queensway**  
**Swansea West Industrial Estate**  
**Swansea.**  
**SA5 4EB**  
**UK**

**Spares Tel. +44(0)1792 564039**

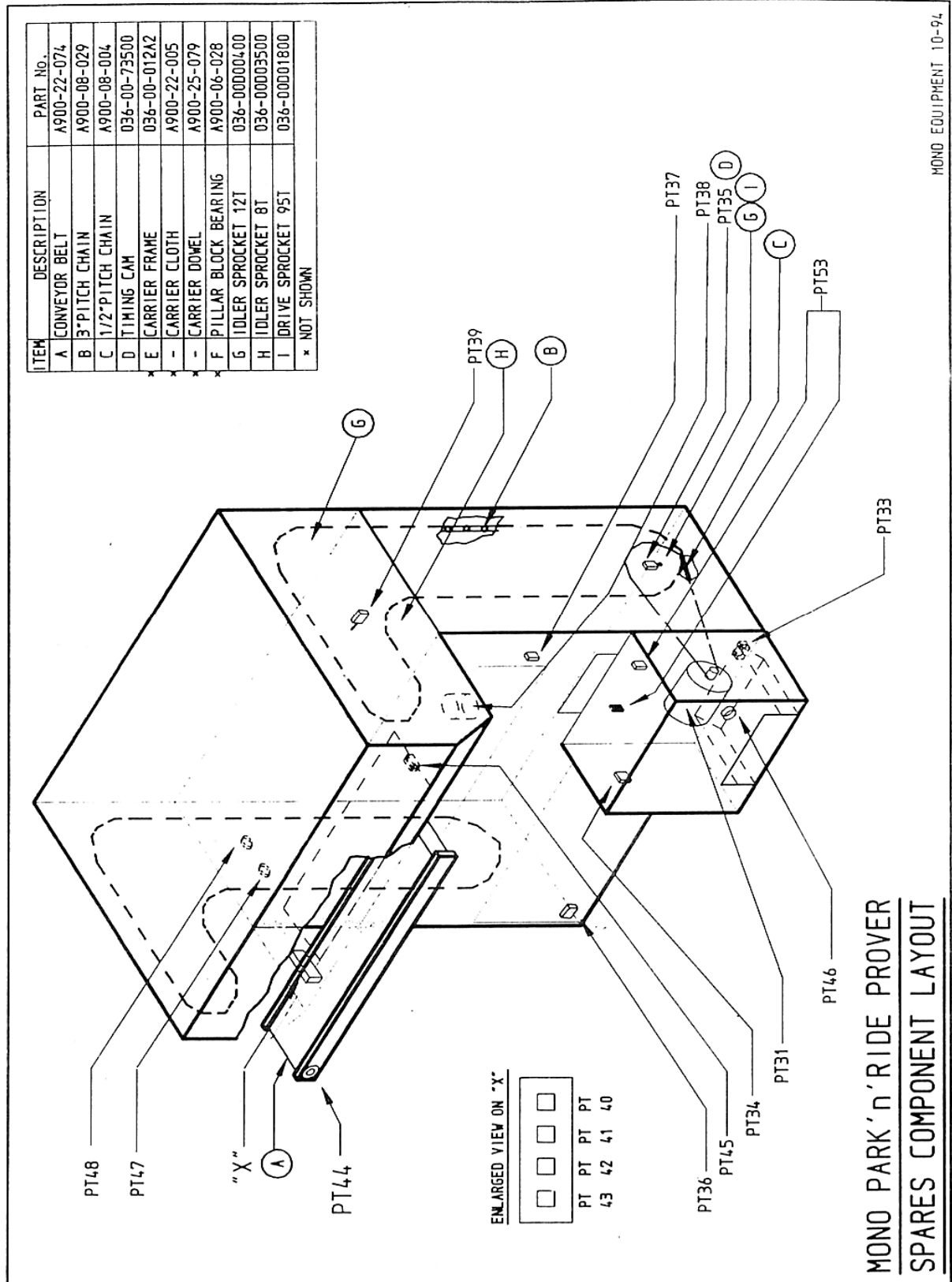
**email: [spares@monoequip.com](mailto:spares@monoequip.com)**

**Web site: [www.monoequip.com](http://www.monoequip.com)**

**MainTel. +44(0)1792 561234**

**Fax. 01792 561016**

# MONO PARK 'N' RIDE PROVER SPARES COMPONENT LAYOUT





**MONO Equipment**

Queensway, Swansea West Industrial Park, Swansea, SA5 4EB UK

**Tel. 01792 561234**

Fax. 01792 561016

Email: [mono@monoequip.com](mailto:mono@monoequip.com)

**[www.monoequip.com](http://www.monoequip.com)**

As it is our policy to improve our machines continuously, we reserve the right to change specifications without prior notice.

❑ **DISPOSAL**

**CARE SHOULD BE TAKEN WHEN THE MACHINE COMES TO THE END OF ITS WORKING LIFE. ALL PARTS SHOULD BE DISPOSED OF IN THE APPROPRIATE PLACE, EITHER BY RECYCLING OR OTHER MEANS OF DISPOSAL THAT COMPLIES WITH LOCAL REGULATIONS.**

(IN UK, ENVIRONMENTAL PROTECTION ACT 1990 APPLIES)