



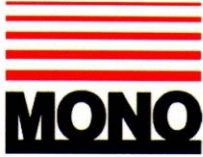
www.monoequip.com

Enter **Serial No.** here. _____

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




MXT ROTARY RACK OVEN
SET UP AND OPERATION INSTRUCTIONS
(With programming instructions)
ECOTOUCH CONTROL



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 2006 / 95 / EC
- The requirements of the Electromagnetic Compatibility Directive 2004 / 108EC, 91 / 263 / EEC, 92 / 31 / EEC
- 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
- Good manufacturing practice for Materials intended to come into contact with food - Regulation (EC) No. 2023 / 2006

Signed	
G.A.Williams – Quality Manager	

Date	
-------------	--

Machine FG Code.		Machine Serial No.	
-------------------------	--	---------------------------	--

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 35,
Bryggen Road,
North Lynn Industrial Estate,
Kings Lynn Norfolk,
PE30 2HZ

CONTENTS

PAGE

Section - 1.0	Introduction	6
Section - 2.0	Overall Dimensions	7
Section - 3.0	Specifications	8
Section - 4.0	Safety	10
Section - 5.0	Installation	11
Section - 6.0	Isolation	13
Section - 7.0	Daily Cleaning Instructions	13
Section - 8.0	Weekly Maintenance Instructions	13
Section - 9.0	General Maintenance	14
	(Including bulb changing)	

Section - 10.0	OPERATION	16
10- 1.0	baking using favourites	18
10- 2.0	baking using manual menu	21
10- 3.0	baking using programmes	24
10- 4.0	creating a program	27
10- 5.0	setting 7-day timer	33
10- 6.0	settings	34
10- 7.0	using usb port/stick	41
10- 8.0	diagnostics	44

ENGINEERS SECTION

<i>Section - 11.0</i>	<i>Element Bank Removal</i>	<i>45</i>
<i>Section - 12.0</i>	<i>Element bank Replacement</i>	<i>45</i>
<i>Section - 13.0</i>	<i>Maintenance (rack drive/turntable)</i>	<i>48</i>
<i>Section - 14.0</i>	<i>Spares and Services</i>	<i>51</i>
<i>Section - 15.0</i>	<i>Electrics (without pump)</i>	<i>52</i>
<i>Section - 16.0</i>	<i>Electrics (with pump)</i>	<i>63</i>
<i>Section - 17.0</i>	<i>Spares</i>	<i>75</i>

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



NOTE

All reference to LEFT HAND ovens means that main door is hinged on the left and the control panel is on the right.



All reference to RIGHT HAND ovens means that main door is hinged on the right and the control panel is on the left.

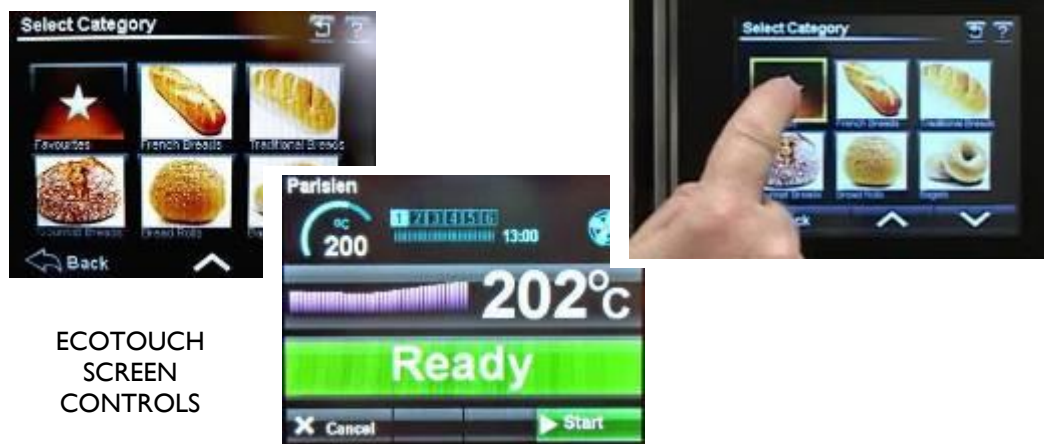


1.0 INTRODUCTION



The **MONO MXT** rotary rack oven is a compact, electrically fired oven with a computerized touch control panel. The oven is designed to accommodate a single rotating rack of up to eighteen trays capacity.

Ecotouch ovens are supplied with **TOUCH** displays for the user-friendly control panels. This can show pictures of product types or program numbers that have been set by the user. When not being used, the screen can show your company logo. A voice prompt facility is also available for the basic instructions like “Bake over”.



ECOTOUCH
SCREEN
CONTROLS

The oven is of stainless steel construction, with easily cleaned interior and exterior surfaces and smart appearance.

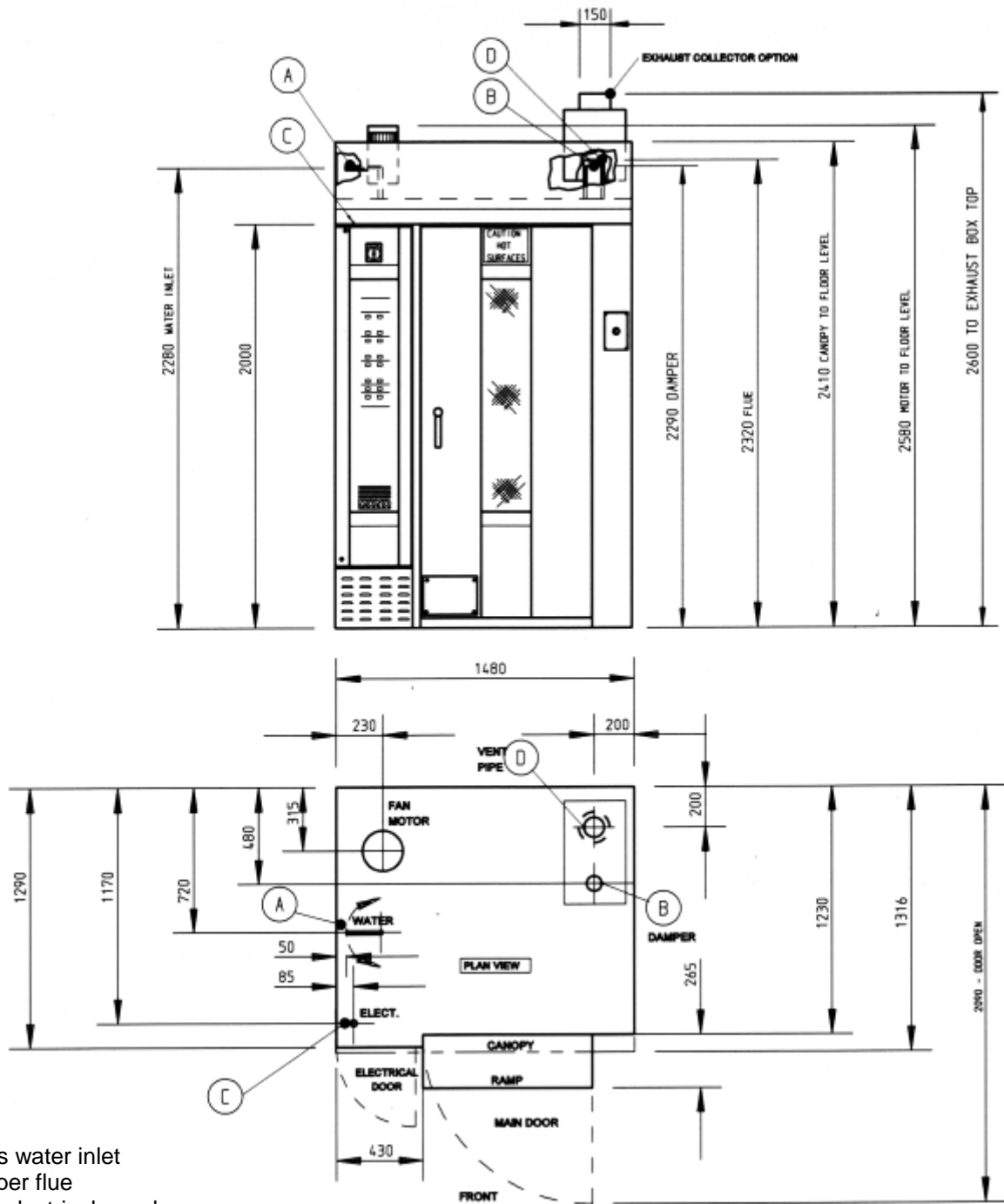
The fan and rack rotator have generously rated, totally enclosed, motors and a sealed for life gearbox.

The high-speed fan and 45 kW element array (36kW on low power version) give good, efficient air circulation via a diagonal cross-flow system.

Steam is generated within the oven chamber by means of a multi-point, water injection cascade.

Programmed damper control is provided as part of the programming controls.

2.0 OVERALL DIMENSIONS



- A Mains water inlet
- B Damper flue
- C Main electrical supply
- D Main vent pipe

(No drainage required)

Minimum door entry required:- 2000mm (78") high x 760mm (30") wide
 Minimum operational ceiling height:- 3000mm (118")

Total floor area:- 1.85 sq. Mtrs

3.0 SPECIFICATIONS

OVERALL WIDTH:	1480mm (58 1/4")
OVERALL DEPTH:	1290mm (50 3/4")
OVERALL HEIGHT:	2580mm (101 1/2")
INSIDE CLEAR DIAMETER:	1000mm nominal (39 3/8")
HEIGHT: INSIDE	1920mm (75 1/2")
VOLUME:	1.5 cu. M
FOOTPRINT WIDTH:	1480mm (58 1/4")
FOOTPRINT DEPTH:	1290mm (50 3/4")
FOOTPRINT AREA:	1.85 sq. m
TOTAL POWER:	50kW (41kW on low power version available)
ELECTRICAL SUPPLY:	415V. 3pH. 50Hz. ,70amps per phase
HEATING ELEMENTS:	Finned hairpin type
HEATING ELEMENTS LOADING:	3kW. each
HEATING ELEMENTS NUMBER:	15 (12 on low power version available)
FAN MOTOR:	3kW. Totally enclosed fan cooled Squirrel cage. Class F 2860 rpm
FAN:	200mm dia x 82mm (8" dia x 3 1/4")
FAN SPEED:	2860 rpm
FAN DRIVE:	Direct Coupled
RACK DRIVE MOTOR:	.37 kW. Geared Motor Unit with Squirrel cage, enclosed fan cooled, class F motor: and sealed-for-life spur/worm reduction unit. Output speed, 6rpm:
TURNTABLE:	Single row ball bearing 410mm (16")
RACK SIZE:	30" x 18" (760mm x 460mm) tray size
RACK CARRIER:	'MONO' system 4 roller. Top hung.
STEAMER SYSTEM:	High mass 2-point water injection and solenoid operated supply:

WATER PRESSURE

MAXIMUM: 4.0bar (60 psi)
MINIMUM: 2.0bar (30 psi)
WATER FLOW 6 litres/minute (at minimum pressure)

WEIGHT Approx. 1100kg (2420lbs)

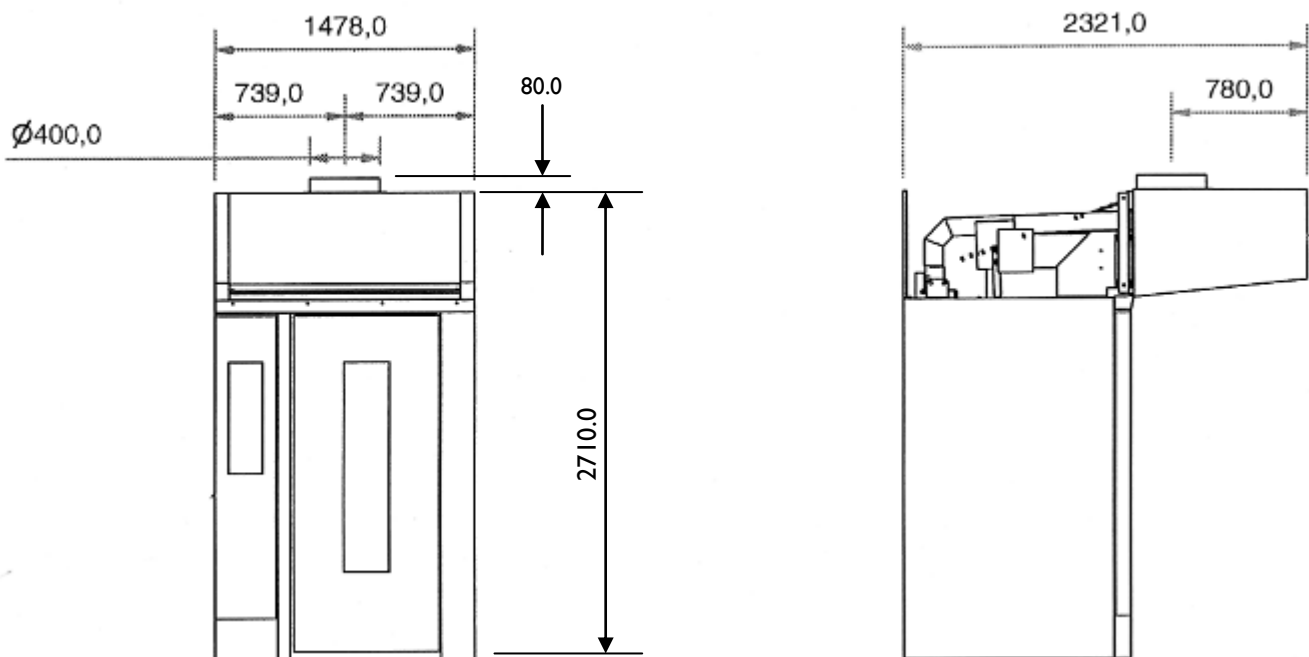
DAMPER Solenoid operated trapdoor type. Semi-automatic.

ELECTRICAL SYSTEM: Membrane operated dedicated.

CONTROL PANEL: Microprocessor integrated system, with umbilical to main electrical panel

ELECTRICAL PANEL: 415V 3pH 50Hz mains, 24V DC auxiliaries.

NOISE LEVEL: Less than 85 dB.



OPTIONAL EXTRACTION CANOPY DIMENSIONS (CANOPY PT.No.M164-00-01400)

Extraction rate of 1000 cu ft./min is easily sufficient to extract the air from the canopy whilst the oven is in use. Customers are responsible for make-up air.

4.0 SAFETY

In the interests of safety and efficient operation of this oven, it is essential that this manual **should be made available to all personnel** who may be required to operate the oven, **before** work is commenced.

The following points should be closely observed and rigorously pursued at all times.

- 1 This oven is designed for baking bread, confectionery and savoury bakery products. Do not use the oven for baking other items without consulting the manufacturers.
- 2 All repairs and maintenance of electrical units should only be carried out by authorised electricians.
- 3 Electrical panels and electrical distributor boxes should not be opened until the main supply to the oven has been turned off.
- 4 When choosing and installing a flue, the precautions and instructions in this manual must be observed.
- 5 All connections to this oven must be made in accordance with the statutory and technical regulations of the country in which the oven is installed.
- 6 When work is being carried out inside the oven, the electrical mains isolator must be turned off and locked.
- 7 Whenever there is someone working inside the oven, the baking compartment door should be wedged open and a suitable warning notice hung on the door to prevent it being accidentally closed.
- 8 While the oven is in operation, and for some time after having been in operation, it is dangerous to touch the window glass or the metal surfaces in its vicinity.
- 9 The oven should be operated and maintained as described in this manual.
- 10 Use only **MONO** spare parts for this oven.
- 11 The construction of the oven must not be changed.
- 12 The owner of the oven is **legally obliged to instruct staff** using the oven in its operation and in these safety regulations. The instruction manual for the oven must not be removed from the oven work area.

WARNING: KEEP CLEAR OF LARGE FLUE PIPE ON ROOF OF OVEN WHEN DOING ANY MAINTENANCE ON TOP. VERY HOT AIR IS EJECTED.

EMERGENCY INTERNAL-DOOR RELEASE PEDAL



THE MAIN DOOR CAN BE OPENED FROM INSIDE BY PUSHING DOWN ON THE PEDAL LOCATED ON THE LOWER RIGHT HAND SIDE OF THE DOOR



5.0 INSTALLATION

- 1 The **MONO MXT** oven is designed to operate as a freestanding unit, and must not be bolted down or fixed to the floor in any way. It can be installed flush against walls on two sides as access is only required at the top and one side.
- 2 The concrete floor beneath the oven must be smooth, flat and clear of any obstructions, and must be at least 150mm (6") thick.
- 3 The foundation must be flush with the overall bakery floor because racks are wheeled up a ramp (supplied with the oven) into the baking chamber.
- 4 A minimum headroom clearance of 3 metres (180") between the floor and the bakery ceiling must be maintained at all times.
- 5 Connect to a suitable water supply, making sure that the pipes are flushed out to remove all foreign bodies i.e. flux or solder.

NOTE : Customers in hard water areas must ensure that an efficient water treatment device protects the supply to the oven. It is the customers' responsibility to install and maintain an adequate water supply to the oven, which should comply with local water regulations.

MECHANICAL and ELECTRICAL SERVICES			
	DESCRIPTION	SPECIFICATION	REMARKS
A	Mains water inlet (steam solenoid)	Flexible hose to clients 15mm s/cock 3/4"B.S.P.Female	Connection by client. Water pressure:-Min 2 BAR (30PSI) Max 4 BAR (60PSI)
B	Damper flue	3" Pipe. Duty:-165 CFM at 210 ^o C(410 ^o F)	Discharge to atmosphere via an independently supported 3" flue pipe terminating with an air break collector cone or discharge directly into clients extract canopy.
C	Main electrical supply	45KW - 80 AMP (see note 2 below)	Three phase and neutral isolator 80 AMP FUSE and supply to oven by client
D	Main vent pipe	4" O.D Pipe (10swg wall thickness)	Leave open to atmosphere or discharge into suitable extract canopy,if provided by client. DO NOT CLOSE COUPLE TO OUTLET.
	Drainage outlet		None required

2. Electrical Supply (BY CLIENT)

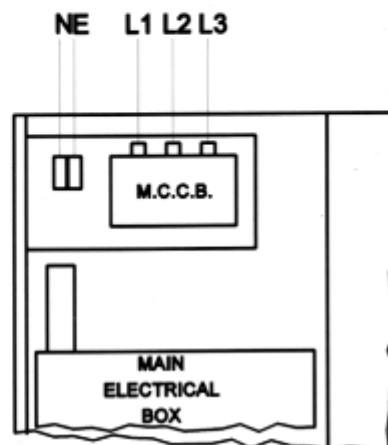
Typical cables for UK are:-

4off 25mm²- Coloured

1off 25mm²- Earth

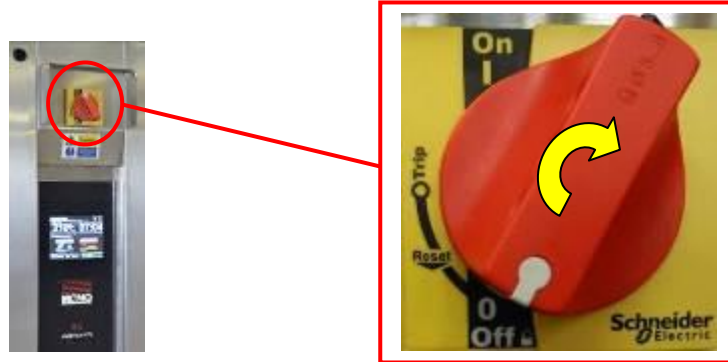
} In flexible conduit

MAINS CONNECTIONS (RIGHT HAND OVEN SHOWN)



6.0 ISOLATION

In case of an emergency, switch oven off at mains isolator switch.



NOTE: IF WORKING ON ELECTRICAL BOX AND PANEL, ensure oven is DISCONNECTED from CONSUMER POWER SUPPLY. NOT ONLY OVEN ISOLATOR ABOVE, AS SOME PARTS STAY LIVE AFTER ISOLATOR SWITCH IS OPERATED

7.0 DAILY CLEANING INSTRUCTIONS

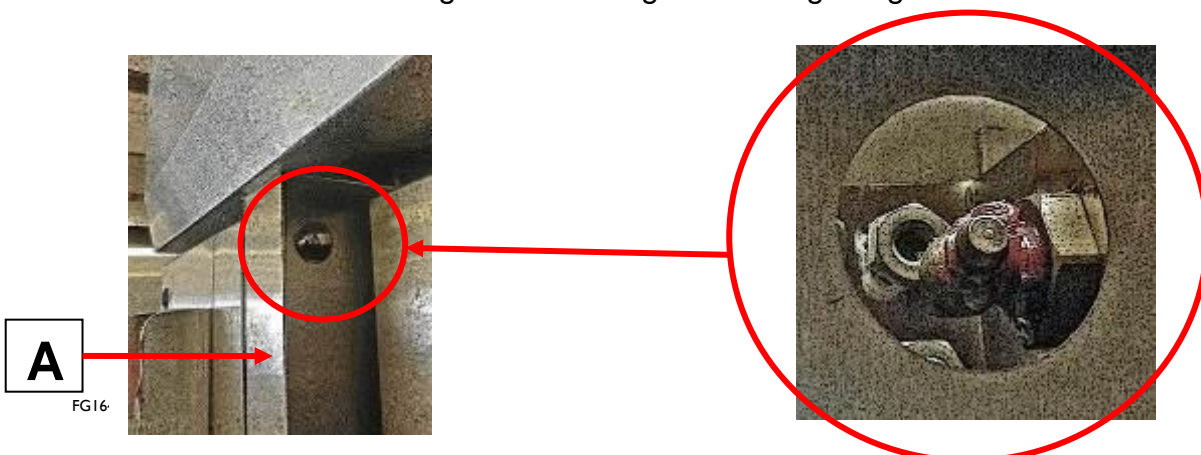
The oven has been designed with sealed components, which are used wherever possible. The minimum of routine cleaning is required, but it is essential that it be properly and regularly carried out.

Clean up spillages of product on the oven floor. Wipe off splashes on door window.

Note: build up of spillages may result, because of incorrect rack rotation. Check for damage to door seals, particularly if operators are careless with rack handling.

8.0 WEEKLY MAINTENANCE INSTRUCTIONS

- Grease rack drive bearings. The remote point for greasing is located in the door post (A). Two shots per week are required. Note, over greasing may cause over heating in the bearing and leakage of grease.



9.0 GENERAL MAINTENANCE

Check for frayed or bare cables.
The oven should not be used if any are found.

Follow cleaning and greasing instructions in sections 7.0 and 8.0

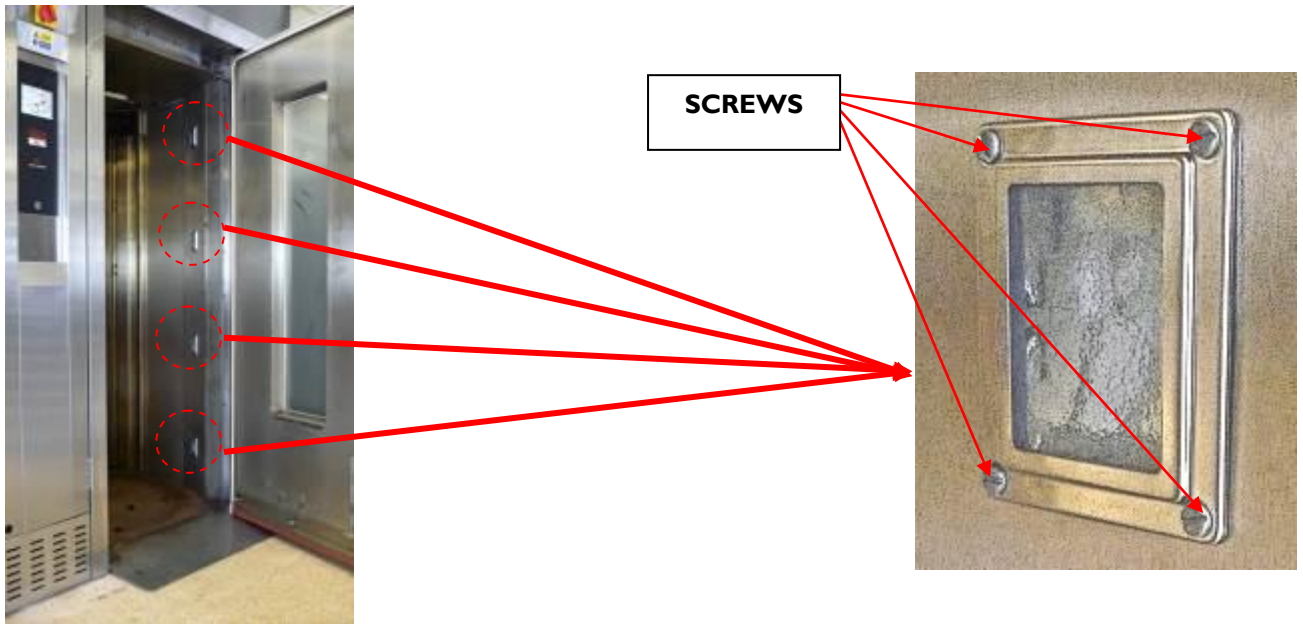
Check condition of main door seals and replace if required.

Check all lights are in working order.
If not, replace as shown in the next section.

TO REPLACE LIGHTING BULBS

In the event of a bulb failure, Instructions on how to change a bulb are as follows: -

- Ensure oven is isolated from mains supply and allow to cool.
- Remove screws (4 per light) and take glass, frame and gasket off lamp unit.



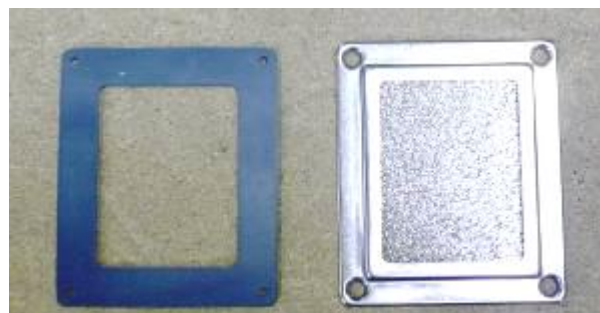
DO NOT TOUCH BULBS WITH BARE HANDS.
 USE A CLOTH OR GLOVES TO STOP ANY MARKS THAT WILL CAUSE HOT SPOTS AND PREMATURE BULB FAILURE.

- Remove bulb by pulling in direction of arrow and replace with new bulb.



LIGHT FITTING

Pt. No.B721-67-011



GASKET

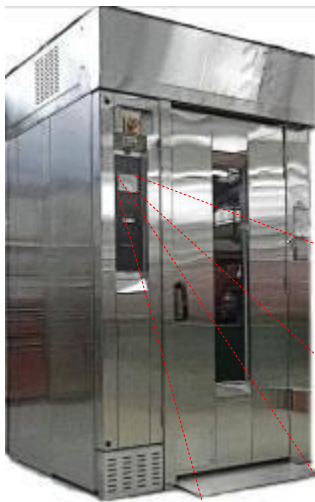
Pt. No.B721-67-008

GLASS AND FRAME

Pt. No.B721-67-010

Pt. No.B721-67-009

- Refit glass front, take care that gasket is in position around stainless steel frame.
- Re-connect oven and test.



Section 10

TOUCH SCREEN OPERATING INSTRUCTIONS

BASIC OPERATION

ALL OPERATIONS ARE ACTIVATED BY TOUCHING AREAS ON THE SCREEN, WHICH WILL PASS YOU ON TO THE NEXT INFORMATION PANEL.

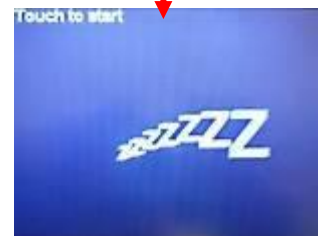
DO NOT USE EXCESSIVE FORCE.

(THE PRESSURE REQUIRED TO OPERATE THE PANEL CAN BE ALTERED IN THE SETTINGS SECTION)

TOUCH THE SCREEN ON THE AREA YOU REQUIRE TO ACTIVATE



STANDBY
THE OVEN TURNS OFF.
TOUCH THE SCREEN TO GO TO THE OPTION SCREEN.

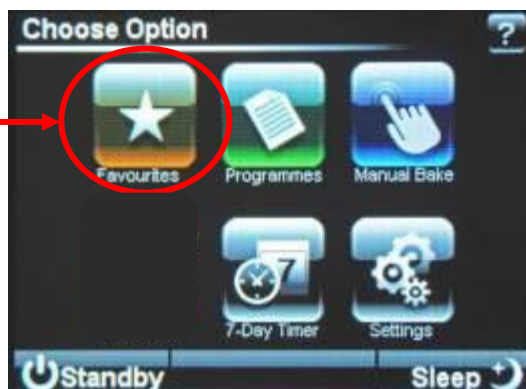


SLEEP
THE OVEN STAYS AT 100c AND HEATS TO LAST PROGRAM TEMPERATURE WHEN THE SCREEN IS TOUCHED. OPTION SCREEN THEN SHOWS.

10 -1 BAKING USING FAVOURITES MENU

TOUCH TO OPEN THE FAVOURITES SELECT SCREEN

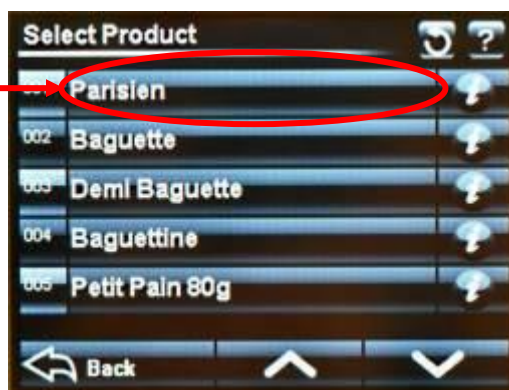
1



OPTION SCREEN

TOUCH THE NAME OF THE PRODUCT REQUIRED

2



SELECT SCREEN

TOUCH THE "FULL LOAD" OR "HALF LOAD" AS REQUIRED

3



LOAD SCREEN

TO RETURN TO THE PREVIOUS SCREEN TOUCH THE "BACK" BUTTON AT ANY TIME

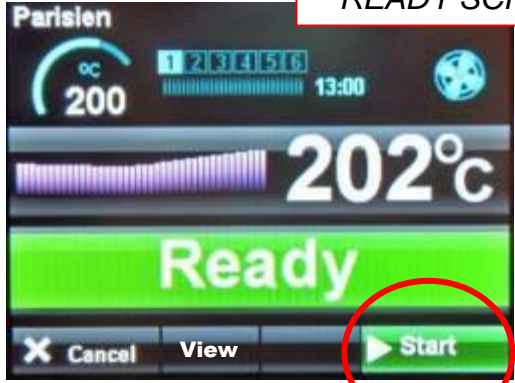
IF THE OVEN IS NOT UP TO TEMPERATURE IT WILL SHOW THE HEATING SCREEN.

WAIT FOR THE OVEN TO REACH TEMPERATURE

IF THE OVEN IS TOO HOT FOR THE TEMPERATURE CHOSEN, THE SCREEN WILL TELL YOU TO OPEN THE DOOR TO AID COOLING.



HEATING SCREEN



READY SCREEN

WHEN OVEN IS AT THE CORRECT TEMPERATURE THE “READY” SCREEN WILL SHOW.

1. OPEN DOOR AND LOAD PRODUCT.
2. CLOSE THE DOOR FULLY.
3. TOUCH “START”

TIP
TO HELP TO KEEP THE OVEN HOT, TRY NOT TO KEEP THE DOOR OPEN MORE THAN NEEDED

4



BAKE IN PROGRESS SCREEN

THIS SCREEN WILL SHOW WHILE THE PRODUCT IS BAKING

BAKE PHASE (WHEN USED)

ACTUAL OVEN TEMPERATURE

SET TEMPERATURE

TEMPERATURE PROFILE BAR

BAKE TIME PROGRESS BAR

NOTE
The actual temperature shown will rise and fall above and below the set temperature as the oven cools and reheats. This is not a fault



BAKE TIME LEFT

BAKE OVER SCREEN

5

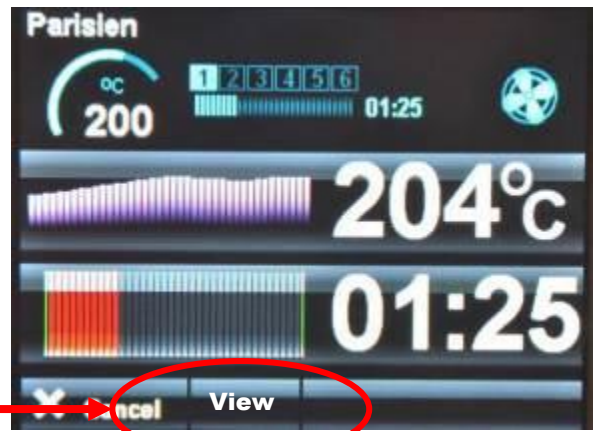
AT THE END OF THE BAKE TIME A SOUNDER WILL BE HEARD AND "BAKE OVER" WILL FLASH. TOUCH "**STOP**" AND OPEN THE DOOR TO REMOVE THE PRODUCT.

TO KEEP THE OVEN BAKING FOR EXTRA MINUTES THE "+ 10 MIN" BUTTON CAN BE TOUCHED. (THIS TIME CAN BE ALTERED IN SET UP)



TOUCHING "VIEW" BUTTON DURING A BAKE

TOUCHING "**VIEW**" BUTTON DURING A BAKE WILL SHOW THE SETTINGS FOR THE BAKE IN PROGRESS. TOUCH "**CANCEL**" TO GO BACK TO THE PREVIOUS SCREEN.



VIEW SCREEN

10 - 2 BAKING USING MANUAL MENU

TOUCH TO OPEN
MANUAL BAKE
SCREEN



OPTION SCREEN

SET BAKE TIME AND TEMPERATURE



MANUAL BAKE SCREEN

SET BAKE TEMPERATURE
TOUCH TEMPERATURE ON THE
SCREEN TO ACTIVATE THE
KEYBOARD SCREEN.
KEY IN REQUIRED TEMPERATURE

2



SET BAKE TIME
TOUCH TIME ON THE SCREEN TO
ACTIVATE THE KEYBOARD SCREEN.
KEY IN REQUIRED TIME AND
TOUCH "DONE"

3



NOTE:
TIME DOES NOT HAVE TO BE SET IN MANUAL MODE. (ONLY TEMPERATURE)
WHEN START IS PRESSED, THE TIME WILL COUNT UP INSTEAD OF DOWN.
TOUCH STOP TO FINISH BAKE.

USE STEAM TIME AND DAMPER IF REQUIRED

STEAM
 TOUCH AND HOLD FOR THE TIME (SECONDS) STEAM IS REQUIRED. (THIS CAN BE USED BEFORE OR DURING THE BAKE)

DAMPER
 TOUCH TO OPEN THE DAMPER. (SYMBOL IS GREEN)
 TOUCH TO CLOSE THE DAMPER. (SYMBOL IS RED)



CANCEL
 TOUCH AT ANYTIME TO GO BACK TO THE SETTING SCREEN.

MANUAL BAKE SCREEN 2

START
 TOUCH "START" TO START BAKE



TOUCH "STOP" WHEN END OF BAKE BUZZER SOUNDS OR WHEN REQUIRED IF NO TIME WAS ENTERED

SAVE MANUAL PROGRAM, IF REQUIRED



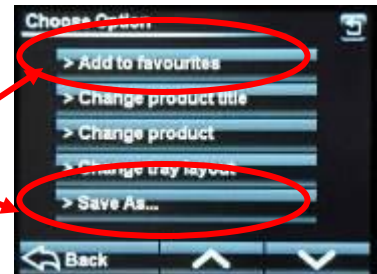
MANUAL BAKE SCREEN 3

SAVE SETTINGS

IF NO TIME WAS ENTERED AT THE START OF THE BAKE, WHEN STOP IS TOUCHED "SAVE" WILL APPEAR AT THE BOTTOM OF THE SCREEN. "SAVE" CAN BE TOUCHED AND AN OPTION SCREEN WILL APPEAR.

7

TOUCH "ADD TO FAVOURITES"
OR "SAVE AS"



USE KEYBOARD TO TYPE THE REQUIRED
NAME AND TOUCH "SAVE"



NOTE: In manual mode, only one operation of the steam or damper is saved.

10 - 3 BAKING USING PROGRAMMES

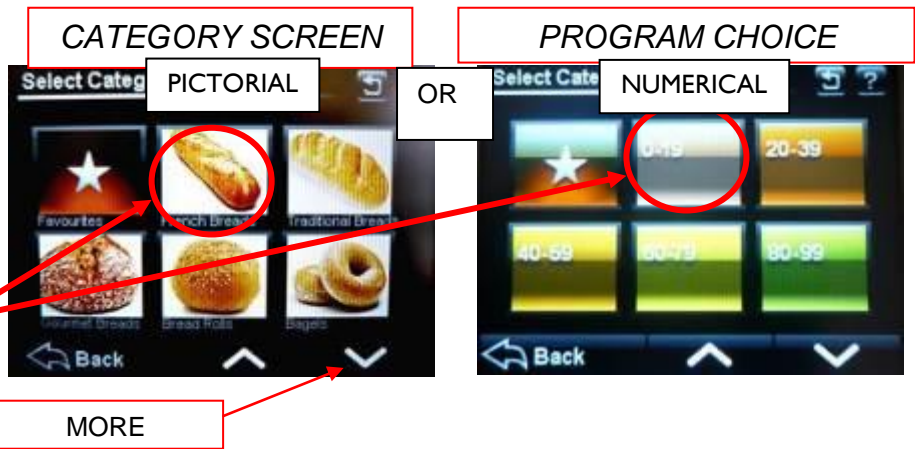
NOTE : THIS COVERS TWO VERSIONS OF FIRMWARE. (THE OVEN CAN BE PRE-SET TO SHOW ONLY ONE OF THEM).
 1. **PICTORIAL** VERSION SHOWS CHOICES OF PRODUCT CATERGORIES
 2. **NUMERICAL** VERSION SHOWS RANGES OF PROGRAM NUMBERS.

TOUCH TO OPEN
 "CATEGORY" or
 "PROGRAM CHOICE"
 SCREEN

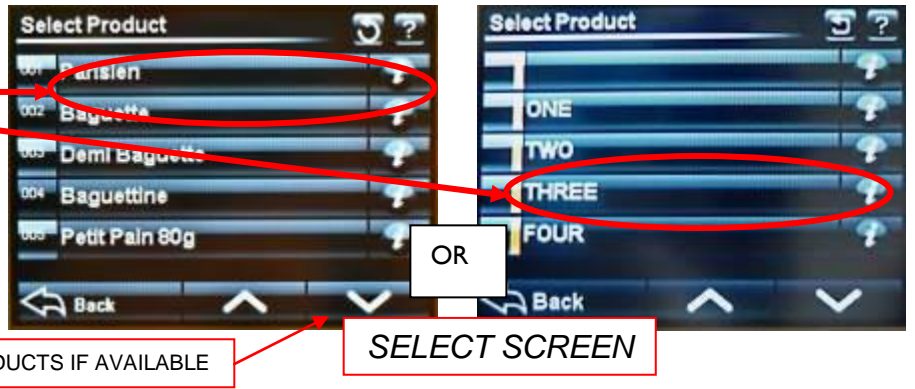


OPTION SCREEN

TOUCH THE TYPE OF
 PRODUCT OR PROGRAM
 RANGE CHOICE WANTED
 AND "SELECT" SCREEN
 OPENS



TOUCH THE
 NAME OR NUMBER OF
 THE PRODUCT
 REQUIRED



SCROLL DOWN FOR MORE PRODUCTS IF AVAILABLE

SELECT SCREEN

TOUCH THE
 "FULL LOAD" OR
 "HALF LOAD" AS
 REQUIRED



LOAD SCREEN

TOUCH THE "BACK"
 BUTTON AT ANY TIME
 TO RETURN TO THE
 PREVIOUS SCREEN

IF THE OVEN IS NOT UP TO TEMPERATURE IT WILL SHOW THE HEATING SCREEN.

WAIT FOR THE OVEN TO REACH TEMPERATURE

IF THE OVEN IS TOO HOT FOR THE TEMPERATURE CHOSEN, THE SCREEN WILL TELL YOU TO OPEN THE DOOR TO AID COOLING.



HEATING SCREEN

READY SCREEN



WHEN THE OVEN IS AT THE CORRECT TEMPERATURE, THE "READY" SCREEN WILL SHOW.

1. OPEN DOOR AND LOAD PRODUCT.
2. CLOSE THE DOOR FULLY.
3. TOUCH "START"

TIP
TO HELP TO KEEP THE OVEN HOT, TRY NOT TO KEEP THE DOOR OPEN MORE THAN NEEDED

5



THIS SCREEN WILL SHOW WHILE THE PRODUCT IS BAKING

BAKE PHASE (WHEN USED)

ACTUAL OVEN TEMPERATURE

SET TEMPERATURE

TEMPERATURE PROFILE BAR

BAKE TIME PROGRESS BAR



BAKE TIME LEFT

NOTE
The actual temperature shown will rise and fall above and below the set temperature as the oven cools and reheats. This is not a fault

BAKE OVER SCREEN

6

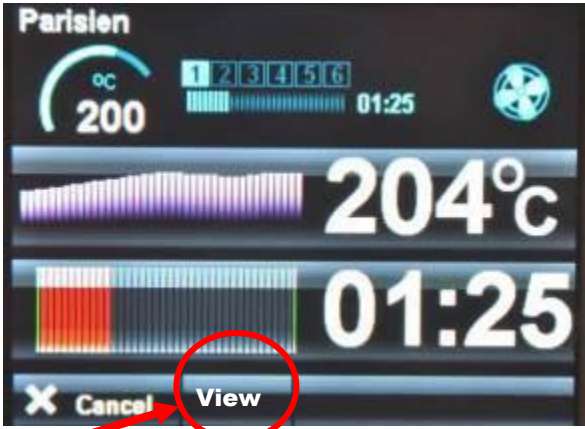
AT THE END OF THE BAKE TIME A SOUNDER WILL BE HEARD AND "BAKE OVER" WILL FLASH. TOUCH "**STOP**" AND OPEN THE DOOR TO REMOVE THE PRODUCT.

TO KEEP THE OVEN BAKING FOR EXTRA MINUTES THE "+ 10 MIN" BUTTON CAN BE TOUCHED. (THIS TIME CAN BE ALTERED IN SET UP)



TOUCHING "VIEW" BUTTON DURING BAKE

TOUCHING "**VIEW**" BUTTON DURING BAKE WILL SHOW THE SETTINGS FOR THE BAKE IN PROGRESS. TOUCH "**CANCEL**" TO GO BACK TO THE PREVIOUS SCREEN.



VIEW SCREEN

10 - 4 CREATING A PROGRAM

TOUCH TO OPEN
"CATEGORY"
SCREEN

1



OPTION SCREEN

TOUCH THE TYPE
OF PRODUCT
WANTED AND THE
"SELECT" SCREEN
OPENS

2



CATEGORY SCREEN



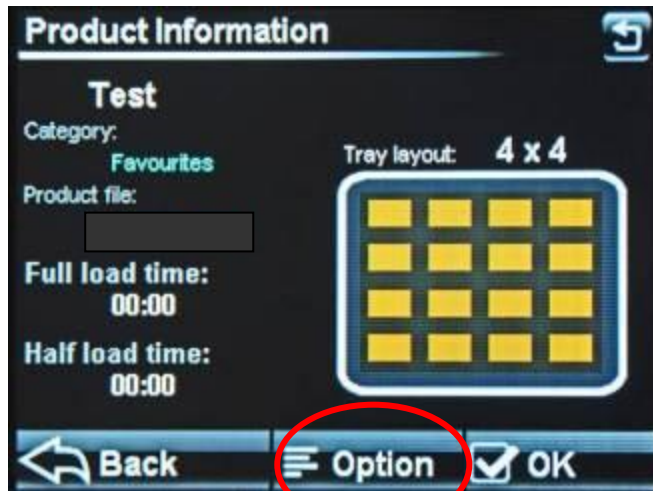
SELECT SCREEN

TOUCH THE DOWN ARROW
UNTIL A BLANK PROGRAM
IS REACHED.

3

TOUCH "I" BUTTON
NEXT TO THE BLANK
PROGRAM TO OPEN
NEXT SCREEN

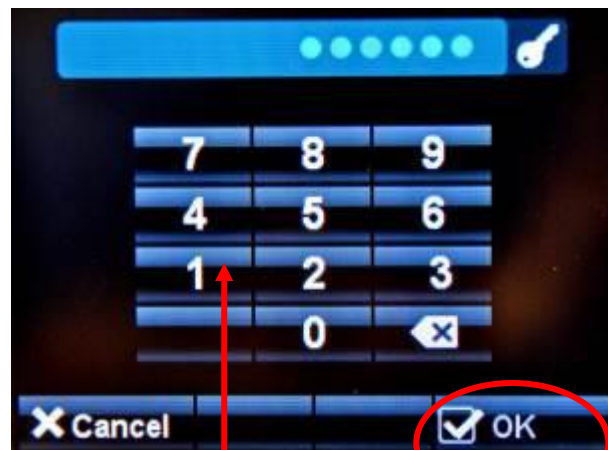
4



INFORMATION SCREEN

TOUCH OPTION TO GO TO
PASS CODE SCREEN

5

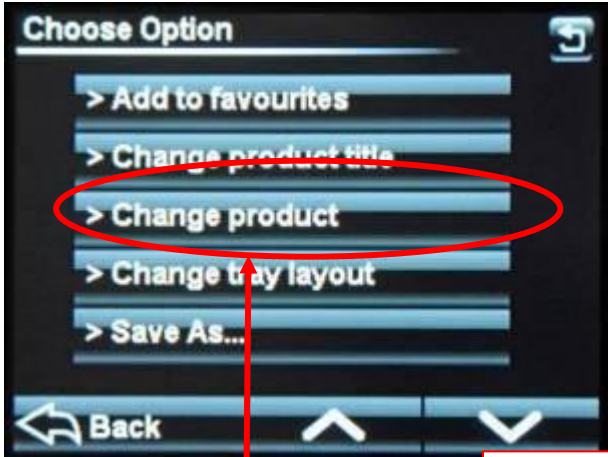


PASS CODE SCREEN

ENTER "SUPERVISOR" PASS CODE AND
THEN TOUCH OK.
(DEFAULT CODE = 123456)

6

CHANGE PRODUCT



OPTION SCREEN

TOUCH "CHANGE PRODUCT" **7**

LOAD TYPE

VALUE CHANGE SCREEN



BAKE PHASE (IF REQUIRED)

INCREASE

OR USE KEYS

DECREASE



ENTER AMOUNT REQUIRED AND TOUCH DONE

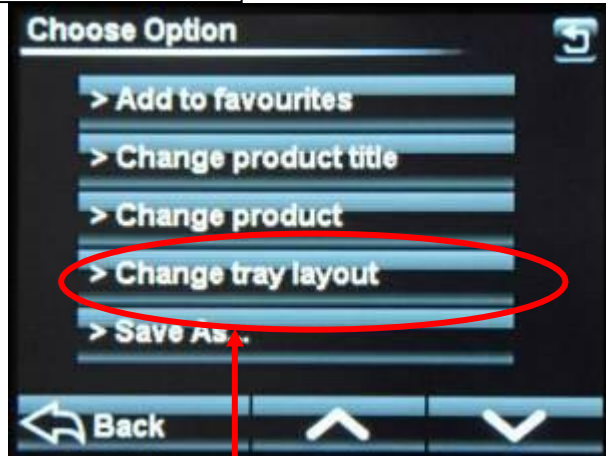
POWER LEVEL

TOUCH EACH ITEM AND CHANGE THE VALUE BY USING THE UP AND DOWN KEYS OR BY USING THE KEY PAD. **8**

TOUCH "FULL LOAD" TO CHANGE TO "HALF LOAD" SETTINGS IF REQUIRED. TOUCH AGAIN TO GO BACK TO "FULL LOAD"

TOUCH "SAVE" WHEN SATISFIED WITH THE SETTINGS OF EACH LOAD TYPE.

CHANGE TRAY LAYOUT



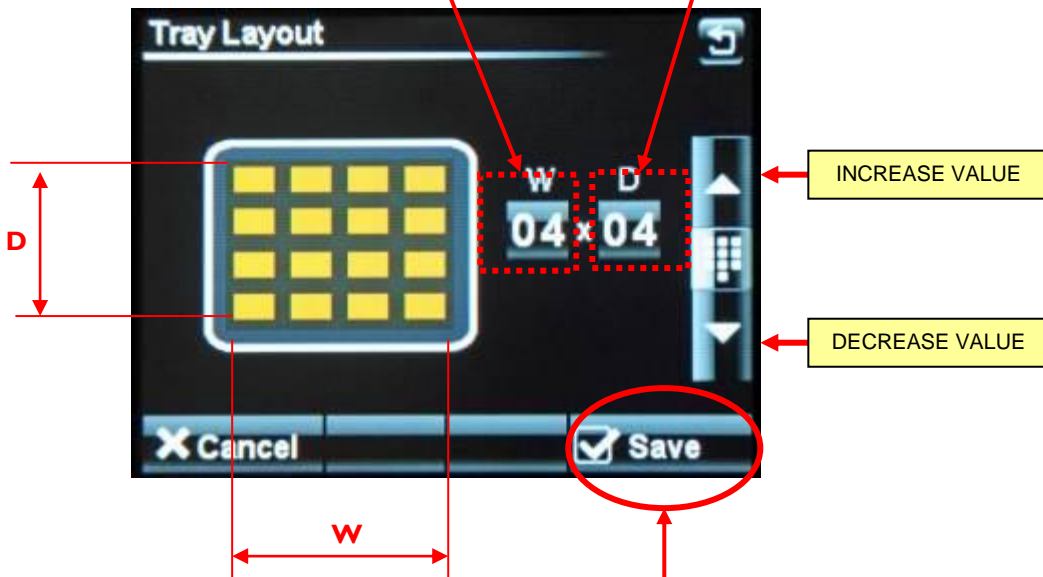
OPTION SCREEN

TOUCH "CHANGE TRAY LAYOUT"

9

TOUCH TO ADJUST
NUMBER OF PRODUCTS
ACROSS THE TRAY

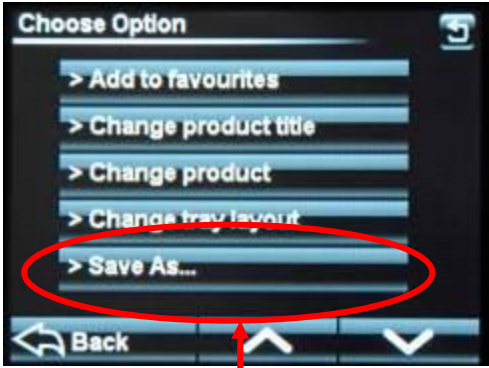
TOUCH TO ADJUST
NUMBER OF PRODUCTS
DOWN THE TRAY



WHEN SATISFIED WITH THE TRAY
LAYOUT TOUCH SAVE TO RETURN TO
THE "OPTIONS" SCREEN

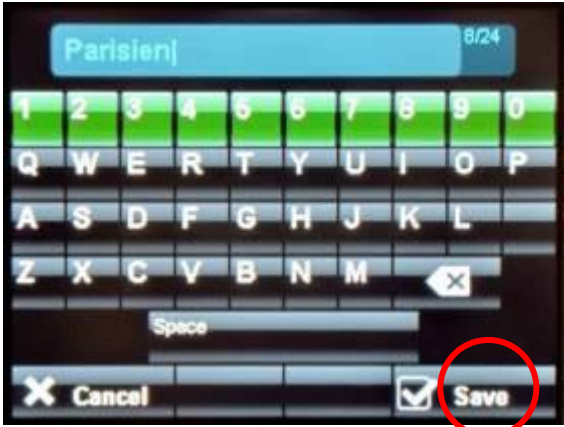
10

SAVE



OPTION SCREEN

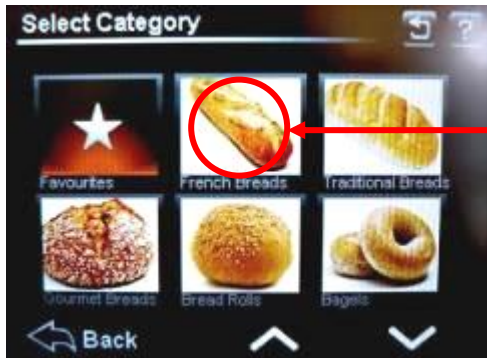
TOUCH "SAVE AS" 11



KEYBOARD SCREEN

TYPE IN THE NEW NAME AND TOUCH "SAVE" 12

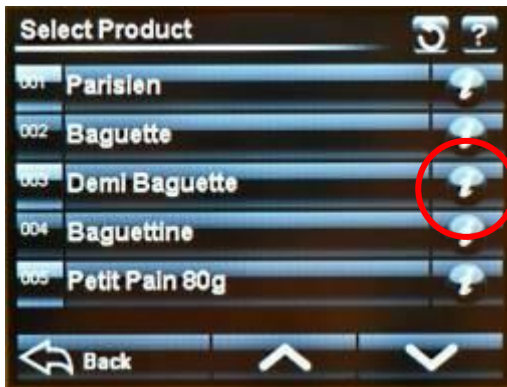
ADD A PRODUCT TO THE FAVOURITES LIST



CATEGORY SCREEN

TOUCH THE TYPE OF PRODUCT WANTED AND THE "SELECT" SCREEN OPENS

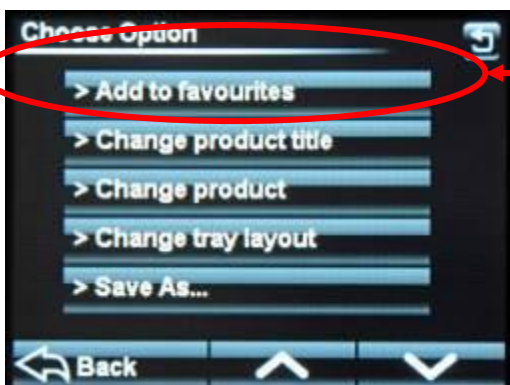
1



SELECT SCREEN

TOUCH THE "i" (INFORMATION) BUTTON NEXT TO THE PRODUCT YOU WANT AS A FAVOURITE. THIS OPENS THE OPTION SCREEN

2



OPTION SCREEN

TOUCH "ADD TO FAVOURITES"
THE PRODUCT WILL NOW SHOW ON THE FAVOURITES LIST

3

10 - 5 SETTING 7-DAY TIMER

TOUCH TO OPEN
"7-DAY TIMER"
SCREEN

1



OPTION SCREEN

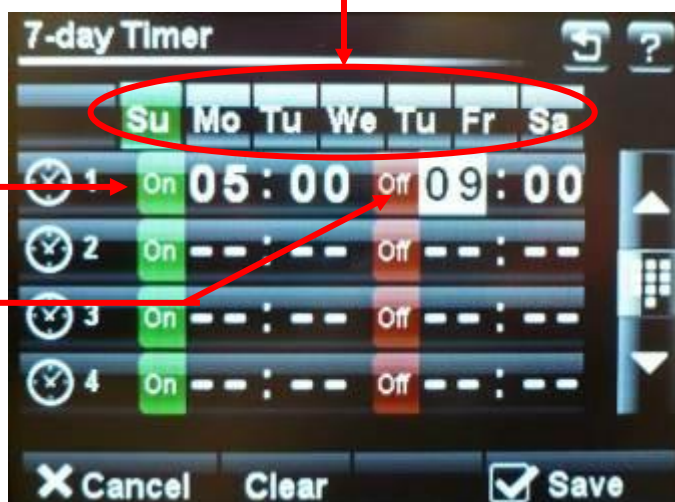
CHOOSE DAY

SET "ON" TIME

2

SET "OFF" TIME

4



INCREASE VALUE

3

DECREASE VALUE

TIMER SETUP SCREEN

NOTE

Up to four on/off times can be set for each day.
Touch "clear" to clear the settings on the day shown.
Touch "save" to activate the times set.

10 - 6 SETTINGS



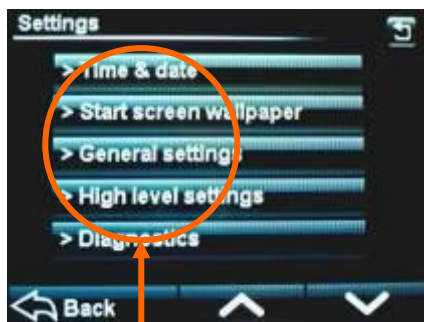
TOUCH TO OPEN THE "SETTINGS" SCREEN

OPTION SCREEN



PASS CODE SCREEN

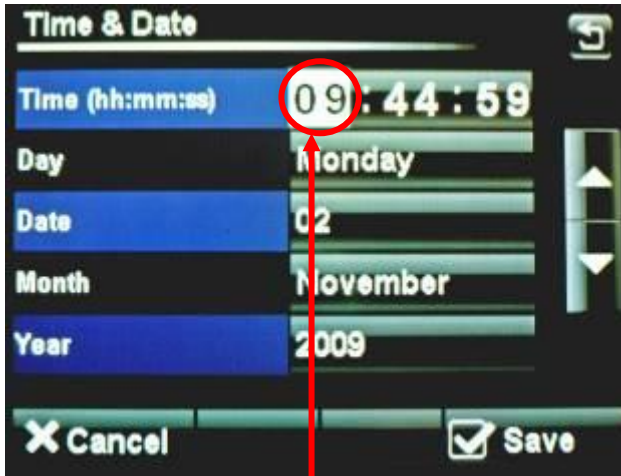
ENTER "SUPERVISOR" PASS CODE AND THEN PRESS OK. (DEFAULT CODE = 123456)



SETTINGS SCREEN

CHOOSE THE SETTING TO ALTER

TIME AND DATE

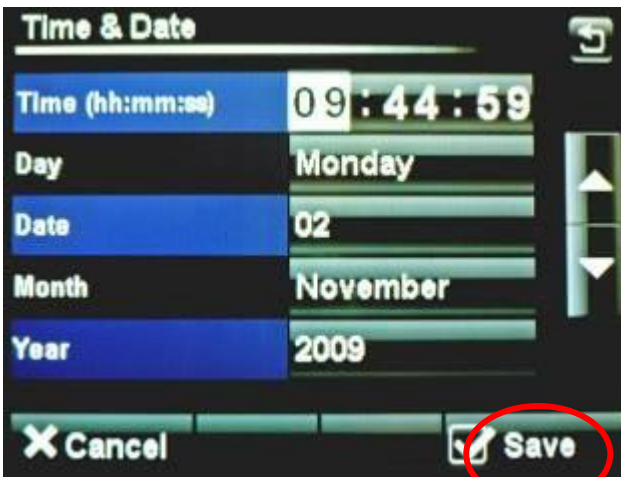
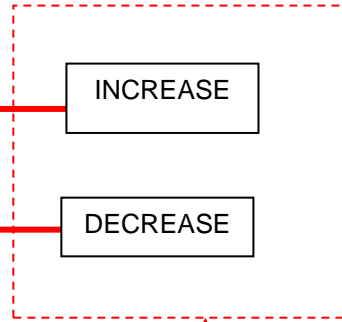


TOUCH THE SCREEN TO HIGHLIGHT THE ITEM TO CHANGE

1

USE THE INCREASE / DECREASE BUTTONS TO ALTER THE SETTINGS

2



TIME AND DATE SCREEN

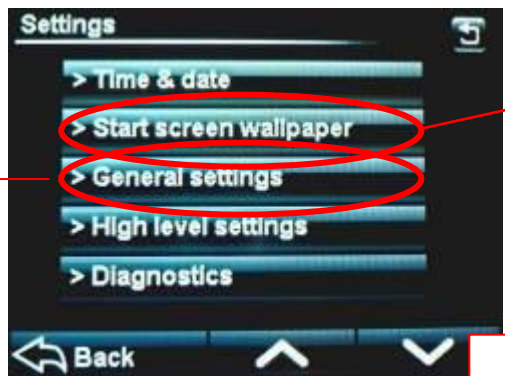
WHEN ALL INFORMATION IS CORRECT, TOUCH "SAVE". THIS WILL RETURN TO THE SETTINGS SCREEN

3



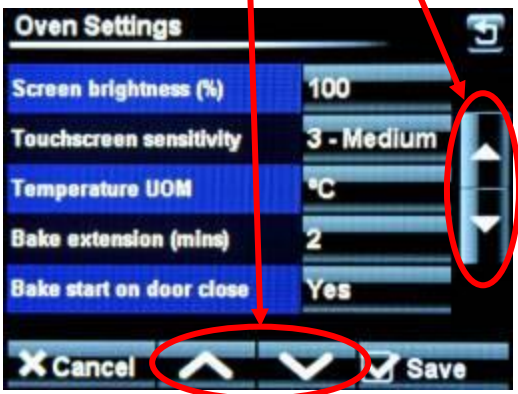
SETTINGS SCREEN

OVEN SETTINGS (GENERAL)



SETTINGS SCREEN

TOUCH "GENERAL SETTINGS" AND THE FOLLOWING SCREEN WILL APPEAR.
SCROLL DOWN TO MOVE THROUGH ALL CHOICES AND ADJUST EACH ONE AS REQUIRED, USING THE ARROW KEYS.



OVEN SETTINGS EXPLAINED - GENERAL LEVEL

SCREEN BRIGHTNESS –

Adjusts the brightness of the viewing screen for user comfort.

TOUCHSCREEN SENSITIVITY –

Adjusts the pressure required to operate the touch screen. (5 settings)

TEMPERATURE UNIT OF MEASURE –

Centigrade (Celsius) or Fahrenheit

BAKE EXTENSION (mins) –

Adjusts the extra time at the end of a bake for each “extra time” button touch. (10mins max)

BAKE START ON DOOR CLOSE –

This will start the set bake program as soon as the door closes.

SLEEP MODE DELAY –

Oven will go into sleep mode after the set minutes, providing it is up to temperature and has been through at least one bake cycle.

8 HOUR COUNTDOWN TIMER –

After 8 hours the oven gives a warning and then turns off.
Touch any button for an extra hour if required.

POWER LEVEL (1-4) –

Set these as required for each level to be used.

CHART INTERVAL –

Time interval in seconds that the bars show on the heat and bake time progress charts.

SOUNDER SELECT –

Set as external or onboard.

SOUNDER TONE –

Select a tone – Voice or Off

SOUNDER VOLUME –

Adjust to suit the volume required. (onboard sounder only)

SHORTCUT BUTTONS –

1 fn

2 fn

3 fn

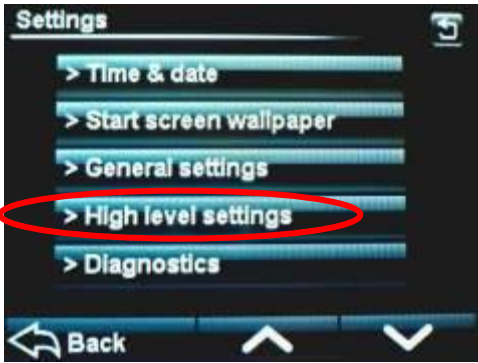
4 fn

5 fn

Gives the choice of what buttons are active and in which order they appear on the options screen.

Options available = Favourites, Programs, Manual bake, Multi bake,
7-day timer . (Settings at **6fn** cannot be changed)

OVEN SETTINGS (HIGH LEVEL)



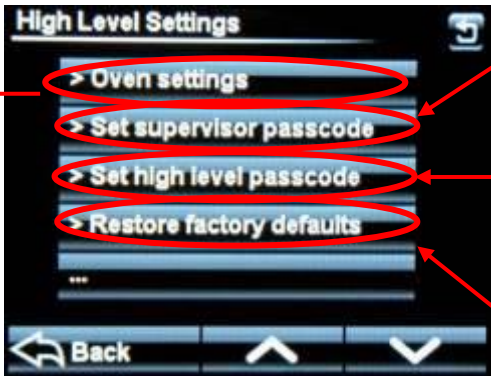
TOUCH "HIGH LEVEL SETTINGS" AND THE FOLLOWING SCREEN WILL APPEAR. **1**

SETTINGS SCREEN



ENTER "HIGH LEVEL" PASS CODE AND THEN TOUCH OK. **2**

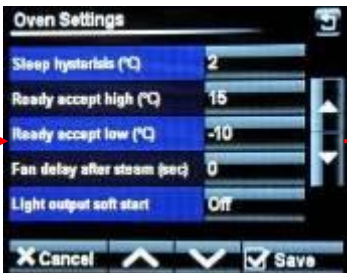
THE FOLLOWING SCREEN WILL APPEAR.



CHANGE SUPERVISOR PASSWORD HERE

CHANGE HIGH LEVEL PASSWORD HERE

RESTORES ALL SCREENS BACK TO ORIGINAL DEFAULT SETTINGS (NOT PASSCODES)



SCROLL DOWN TO MOVE THROUGH ALL CHOICES AND ADJUST EACH ONE AS REQUIRED, USING THE ARROW KEYS. **3**

OVEN SETTINGS EXPLAINED - HIGH LEVEL

OVEN TYPE –

Set this to MX.

MAX. BAKE TEMPERATURE –

Can be set up to 300C , (depending on the oven type)

TEMPERATURE OFFSET –

Can be used to adjust the display to the actual temperature in the oven.

BAKE HYSTERISIS –

Sets bake temperature cycling around a set point. (Above and below).

SLEEP FALLBACK –

Temperature of the oven in “sleep mode” (100C is suggested).

SLEEP HYSTERISIS –

Sets “sleep mode” temperature cycling around a set point. (Above and below).

READY ACCEPT HIGH –

Highest temperature for the oven to display “READY”

READY ACCEPT LOW –

Lowest temperature for the oven to display “READY”

FAN DELAY AFTER STEAM –

Delay before fan starts after the oven has steamed. (60 seconds max)

LIGHT OUTPUT SOFT START –

On/Off Some lights need this for cold start up to stop them blowing.

AUTO FAN CYCLE TIME (MINS) –

Set time required. Only used in manual and multibake modes.

AUTO FAN DWELL TIME –

Set time required. Only used in manual and multibake modes.

HEATER CONTROL –

Contact or solid state. Defaults to contactor. (solid state not used at the moment)

I/O DIAGNOSTIC –

Displays outputs and inputs at the top of the screen to aid fault finding if needed.

DEFAULT PASSCODES

SUPERVISOR (LOW LEVEL) -- 123456

HIGH LEVEL -- 654321

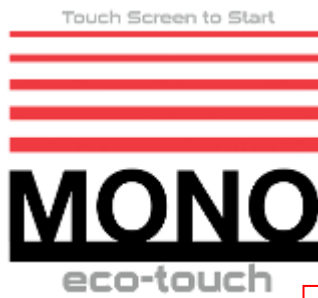
MASTER -- 314159 (This is fixed)

SUGGESTION

To stop unauthorised changes to the oven setup, it is suggested that this page is removed from this manual and kept in a safe place for future reference.

If tampering could be a problem, It is a good idea to change the passcodes at regular intervals,.

10 - 7 USING THE USB PORT



START SCREEN

Ensure the Start screen is showing **1**



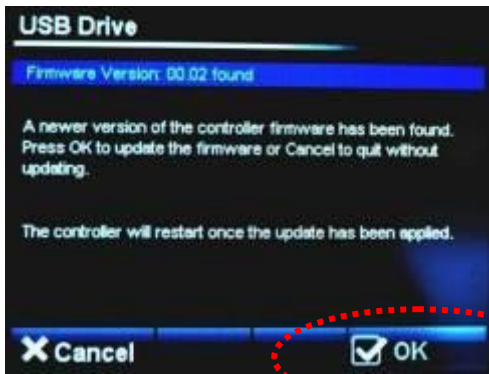
Insert the USB memory stick into the socket on the oven panel. (Rubber plug may have to be removed first).

NOTE
The USB stick will only fit in one way.
Do not force into the socket.

2



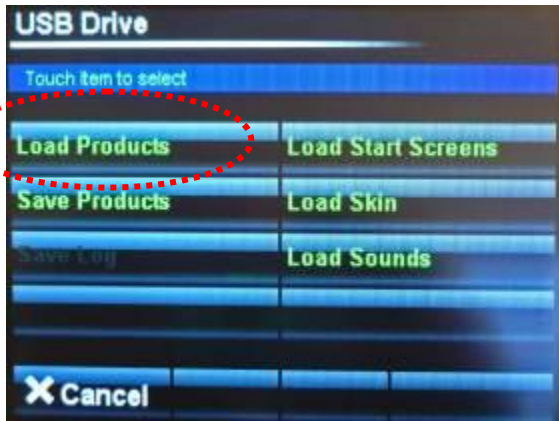
Wait for the USB symbol to finish moving **3**



If old firmware is found, the firmware version screen will appear.

Touch "OK" to update firmware
-Wait-
Remove USB stick
OR
Touch "CANCEL" to choose other items to update or change.
(see next page)

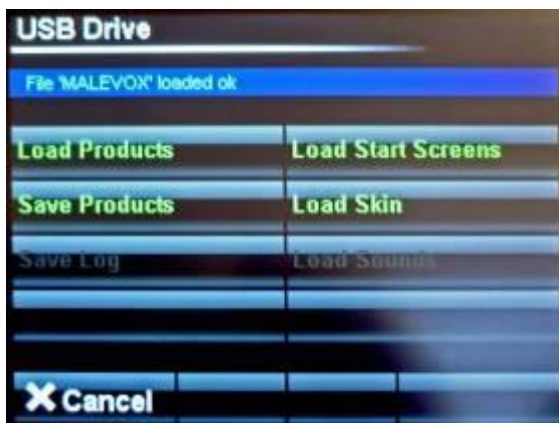
4



Choose action you would like to do. **5**



Select the file required. **6**



When confirmation of "file loaded ok" Shows, remove the usb stick. **7**

NOTES ON USING USB STICKS

For a USB stick to function correctly it must have the following folder in the root folder .

Mono

Then into that folder add the following:

Firmware
Products
Skins
Sounds
Startup

Place your recipe/product files in the “**products**” folder.

The oven will find the “**Mono**” folder automatically when the stick is plugged into the oven.
Any stick can be used (does not have to be blank) but the Mono folder must be in the root folder.

The most used folders are explained below:

SKINS

These control the way the screen looks in different modes.

Pictorial is when the screen displays categories using pictures.



Numerical is when the screen displays program numbers.



STARTUP SCREENS

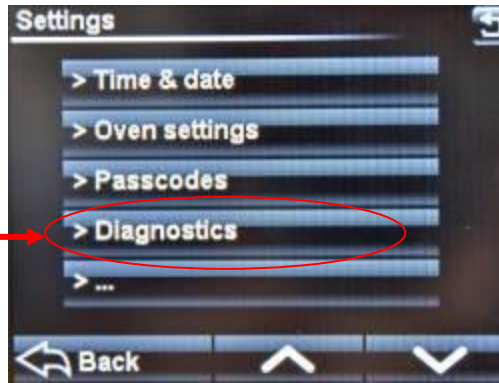
This is the picture/logo you see when the oven is started.



PRODUCT FILES (PROGRAM FILES)

These are the files that contain the information for baking each product e.g. bread,buns,cakes etc.

10 - 8 DIAGNOSTICS



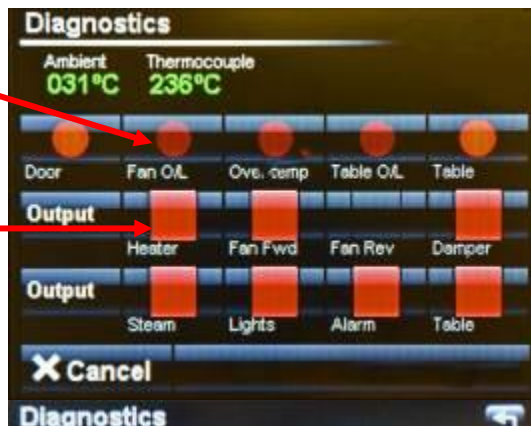
SETTINGS SCREEN

TOUCH "DIAGNOSTICS" AND THE FOLLOWING SCREEN WILL APPEAR.



DIAGNOSTICS SCREEN

INPUTS HIGHLIGHT WHEN A SIGNAL IS Received.
e.g. DOOR OPEN



TOUCH THE REQUIRED OUTPUT AND A SIGNAL IS SENT TO THAT ITEM. THE OUTPUT BEING CHECKED IS HIGHLIGHTED WHEN ACTIVE. TO STOP THE OUTPUT, PRESS AGAIN.



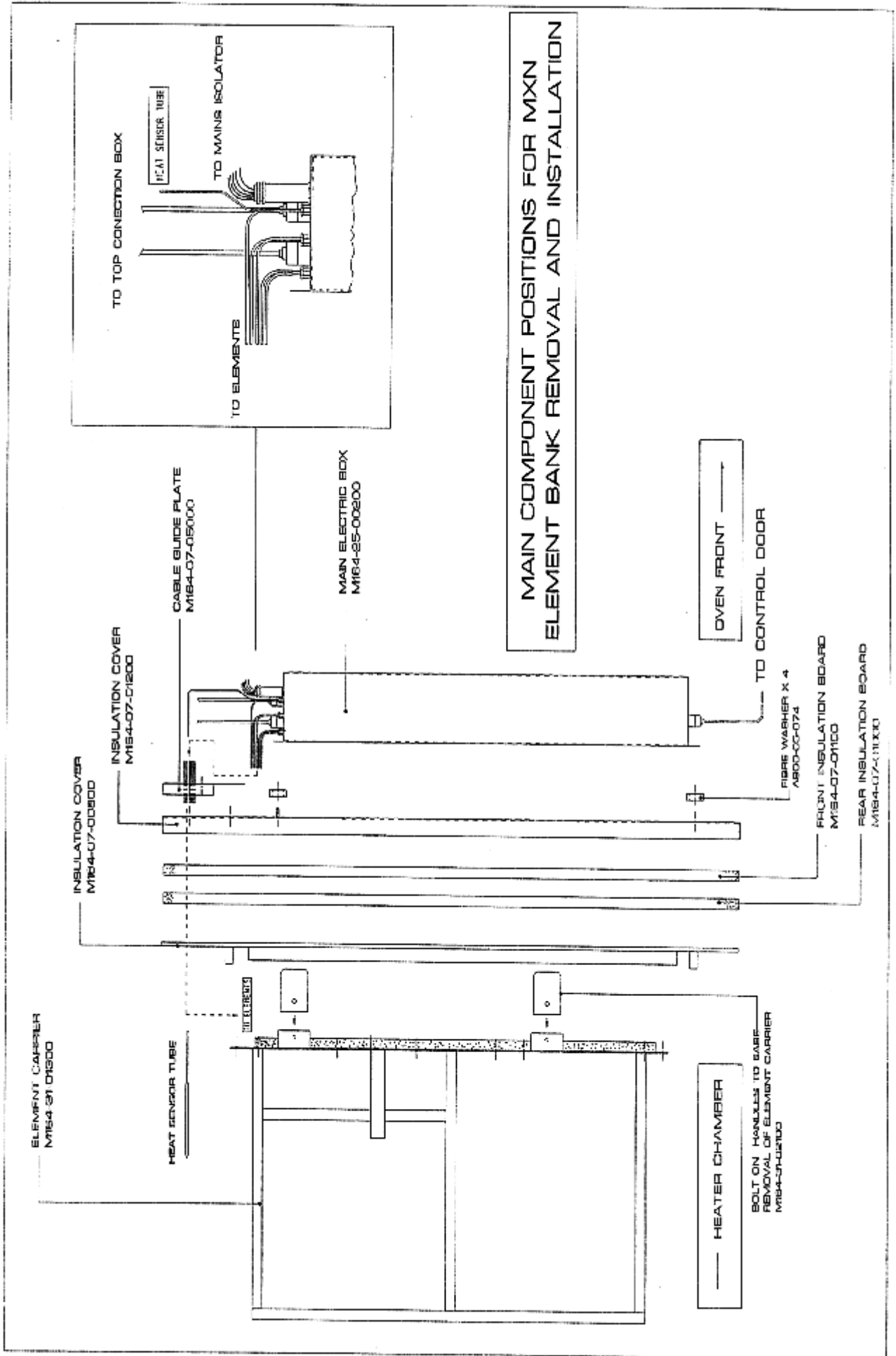
11.0 ELEMENT BANK REMOVAL ---

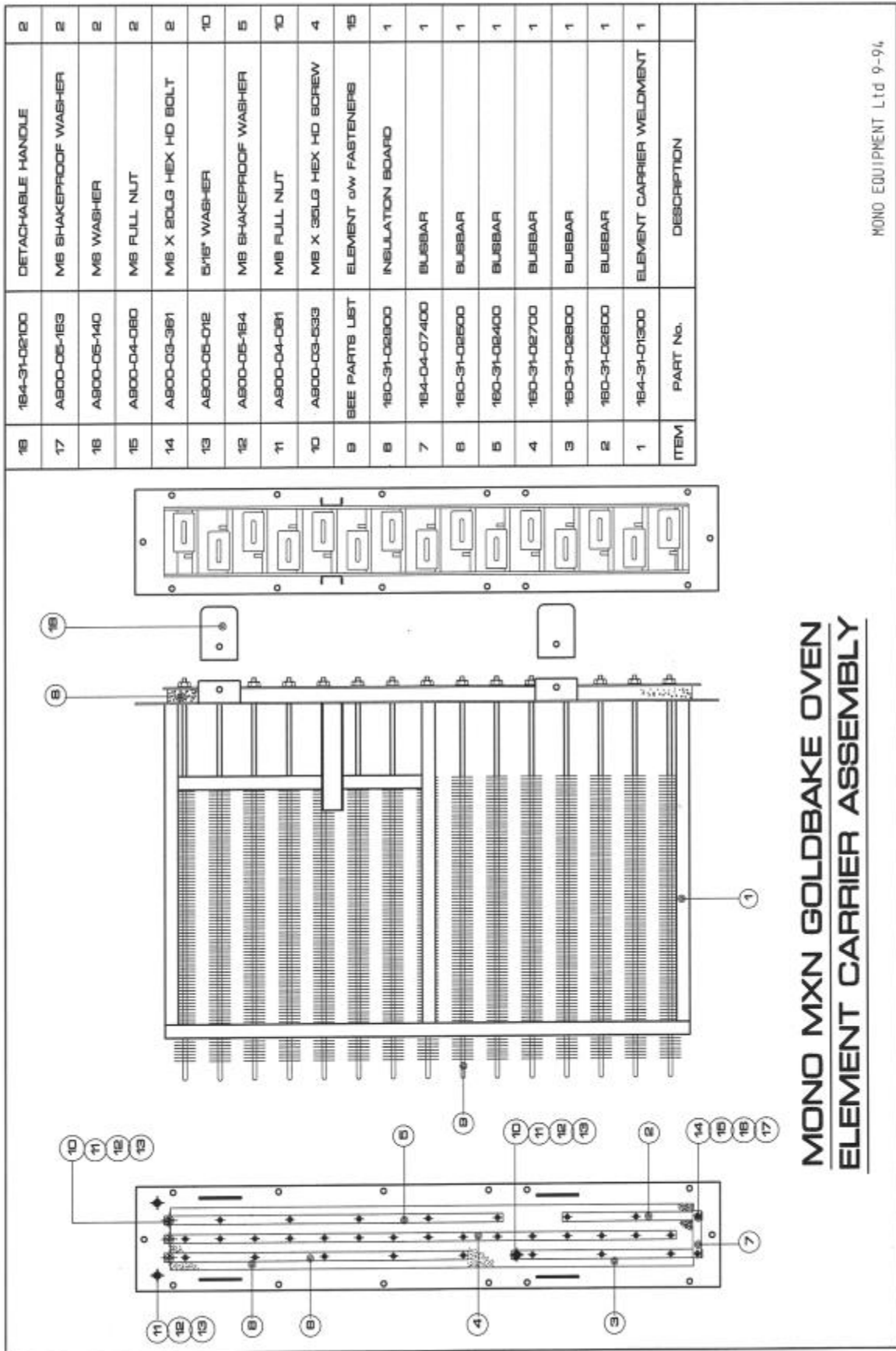
(SEE DRAWINGS ON NEXT PAGES)

- 1 **Ensure oven is DISCONNECTED from consumer power supply.**
----(DO NOT ONLY USE OVEN ISOLATOR)----
- 2 Disconnect two plug connectors from sockets at the top of main electrical box and one plug connector from the bottom of the box.
- 3 Disconnect element supply cables from inside the box.
- 4 Disconnect cables from mains isolator.
- 5 Unscrew cable guide plate and slide away down heat sensor tubing.
- 6 Remove insulation material from cable guide plate area.
- 7 Unscrew retainer screw on heat sensor holder and slide out sensor tube leaving holder in place.
- 8 Loosen nuts clamping conduit tube to main isolator bracket.
- 9 Loosen bottom electrical box holding nuts.
- 10 Remove top electrical box holding nuts.
- 11 Pull top of box forward, disengaging conduit from bracket and lift slots off studs at bottom. **(Be careful not to damage heat sensor tube.)**
- 12 Slide insulation covers and insulation boards out of chamber to reveal element carrier front face.
- 13 Bolt on two handles (part no. M164-31-02100) to fixing lugs on front face of carrier assembly.
- 14 Remove 14 hex. head bolts from around front face of carrier and slide complete assembly out of heater.

12.0 ELEMENT BANK REPLACEMENT ---

- This is the reversal of 12.1 - 12.14, but ensure all insulation is replaced and that the insulation ladder tape on heater chamber front face is in good condition





**MONO MXN GOLDBAKE OVEN
ELEMENT CARRIER ASSEMBLY**

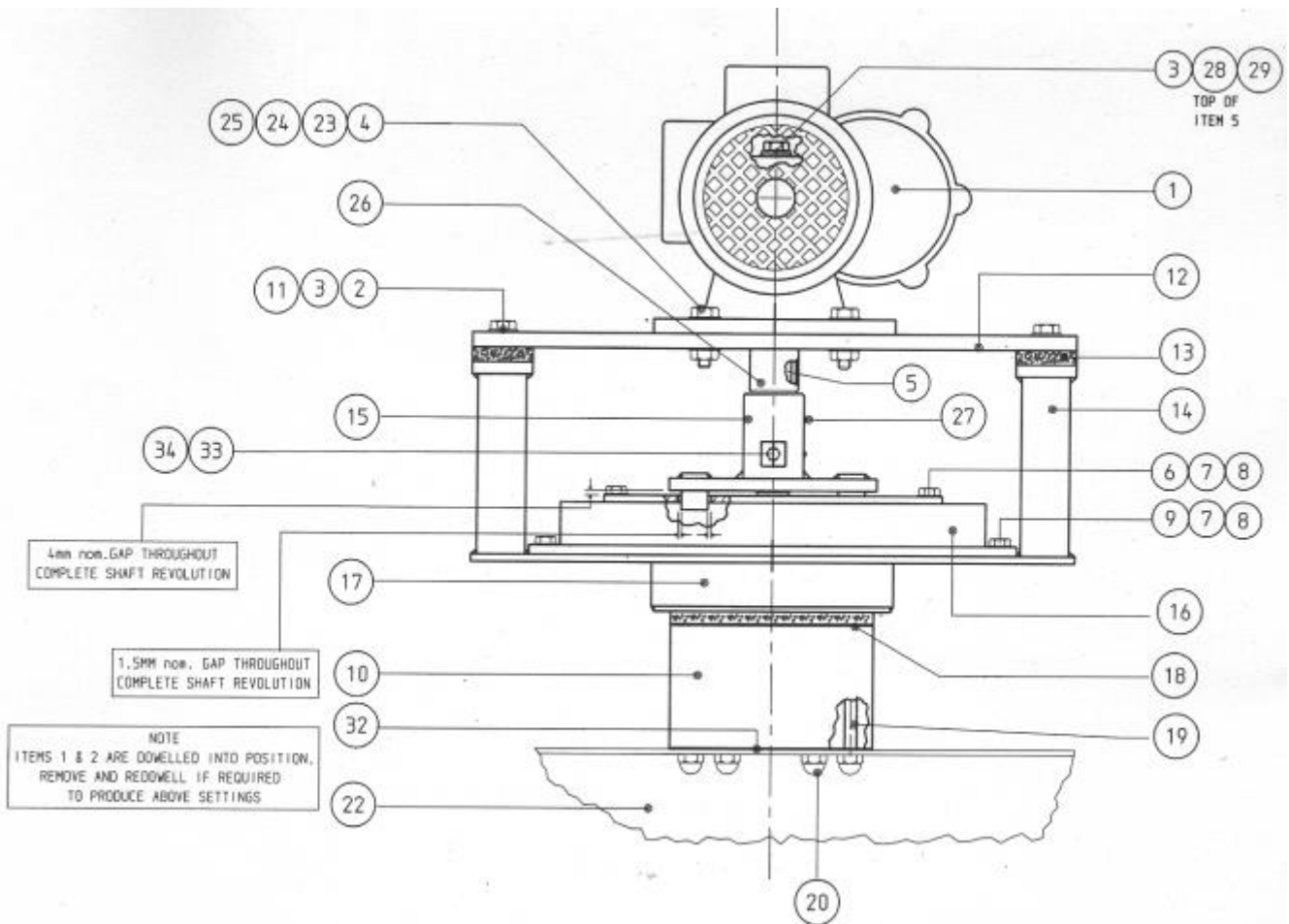
ITEM	PART No.	DESCRIPTION
19	184-31-02100	DETACHABLE HANDLE
17	A800-05-183	M8 SHAKEPROOF WASHER
18	A800-05-140	M8 WASHER
15	A800-04-080	M8 FULL NUT
14	A800-03-381	M8 X 20LG HEX HD BOLT
13	A800-05-012	5/16" WASHER
12	A800-05-184	M8 SHAKEPROOF WASHER
11	A800-04-081	M8 FULL NUT
10	A800-03-533	M8 X 25LG HEX HD SCREW
9	SEE PARTS LIST	ELEMENT &w FASTENERS
8	160-31-02800	INSULATION BOARD
7	164-04-07400	BUSBAR
6	160-31-02600	BUSBAR
5	160-31-02400	BUSBAR
4	160-31-02700	BUSBAR
3	160-31-02800	BUSBAR
2	160-31-02600	BUSBAR
1	184-31-01300	ELEMENT CARRIER WELDMENT

MONO EQUIPMENT Ltd 9-94

13.0 Rack Drive/Turntable parts

WARNING: KEEP CLEAR OF LARGE FLUE PIPE ON ROOF WHEN DOING ANY MAINTENANCE ON TOP OF OVEN. VERY HOT AIR IS EJECTED.

MONO MXT OVEN TURNTABLE DRIVE COMPONENTS

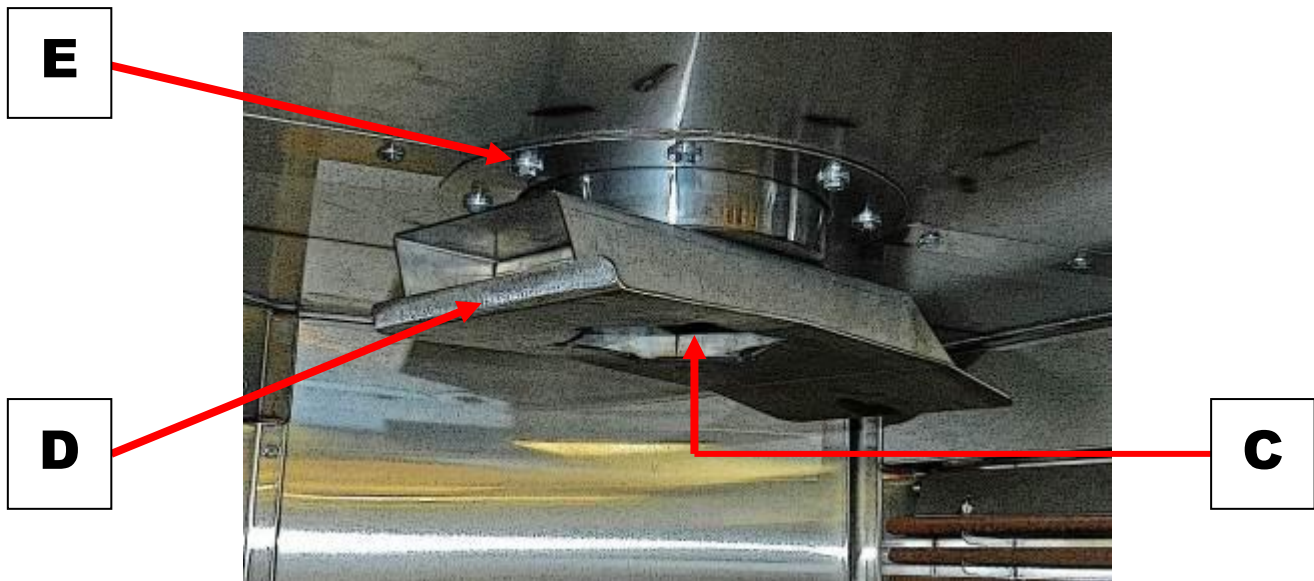


MONO MXT OVEN TURNTABLE DRIVE
COMPONENTS DESCRIPTION

(see drawing on previous page)

Item	Part no	Description	Qty
1	B912-74-009	Gearmotor unit (Varvel MRA70)	1
2	A900-05-143	M10 Plain washer	4
3	A900-05-142	M10 Spring washer	5
4	A900-03-387	M12 x 45LG Hex.Hd. setscrew	4
5	162-02-04100	Drive shaft assy (shaft key pin)	1
6	A900-03-383	M8 x 25LG Hex.Hd.setscrew	8
7	A900-05-144	M8 Plain washer	16
8	A900-05-141	M8 Spring washer	16
9	A900-03-439	M8 x 50LG Hex.Hd.setscrew	8
10	160-36-01000	Turntable drive (lower)	1
11	A900-03-438	M10 x 45LG. Hex.Hd.setscrew	4
12	160-15-00600	Top plate	1
13	160-15-00700	Insulation packing piece	4
14	160-36-00100	Bearing support plate assy.	1
15	162-02-04400	Drive spider	1
16	160-36-00300	Turntable bearing	1
17	160-15-00800	Turntable drive (upper)	1
18	160-15-01400	Insulation disc	1
19	160-36-01100	M10 Stud	6
20	A900-04-096	M10 Dome nut	6
21			
22	160-36-00600	Rack hanger. (ref. only)	1
23	A900-05-022	½" Plain washer	8
24	A900-05-059	½" Spring washer	8
25	A900-04-084	M12 Nut	4
26	162-02-04300	Spacer	7
27	A900-03-436	M6 x 10LG Grub screw	2
28	162-02-045	Washer (drive shaft)	1
29	A900-03-395	M10 x 16LG hex.Hd. setscrew	1
30	160-35-02000	Direction of rotation label	1
31	A900-03-628	M4 x 6LG slotted pan ho. screw	2
32	160-40-06102	Packing shim for rack hanger (14swg) as required	
	160-40-06103	-----"----- (20swg)-----"	
33	A900-03-360	M6 x 12LG Hex.Hd. setscrew	1
34	A900-05-163	M6 Shakeproof washer	1

To renew the rack drive seal



This seal is situated inside the oven above the ring plate surrounding the Rack hanger shaft.

- 1 Release the six dome nuts (C) securing the rack hanger to its shaft and remove the hanger (D). Release the screws securing the ring plate and remove the plate (E).
- 2 Pick out the rubber ring seal and coiled rope seal from within the cavity and carefully coil in the new seal, ensuring that it is not distorted. Replace the rubber ring seal.
- 3 Refit the ring plate and the rack hanger.

ROPE SEAL PT No. A900-32-016
RUBBER SEAL PT No A900-12-060

14.0 SPARES AND SERVICE

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

MONO

Queensway

Swansea West Industrial Estate

Swansea. SA5 4EB UK

email: spares@monoequip.com

Web site: www.monoequip.com

Tel. 01792 561234

Spares +44(0)1792 564039

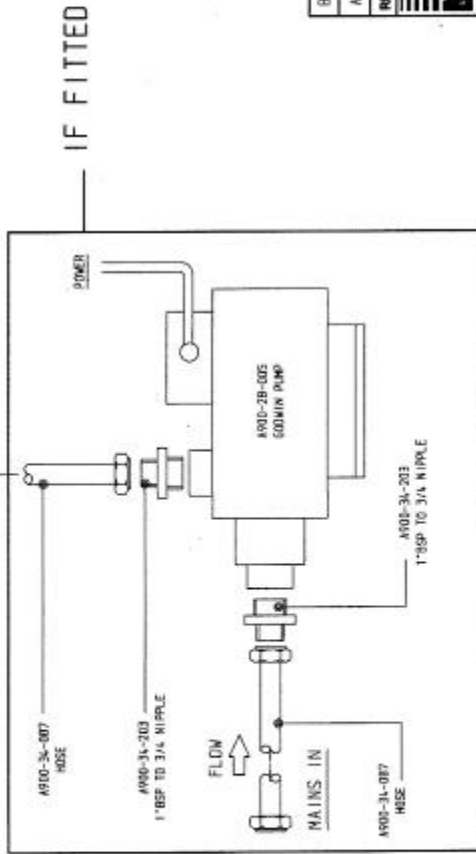
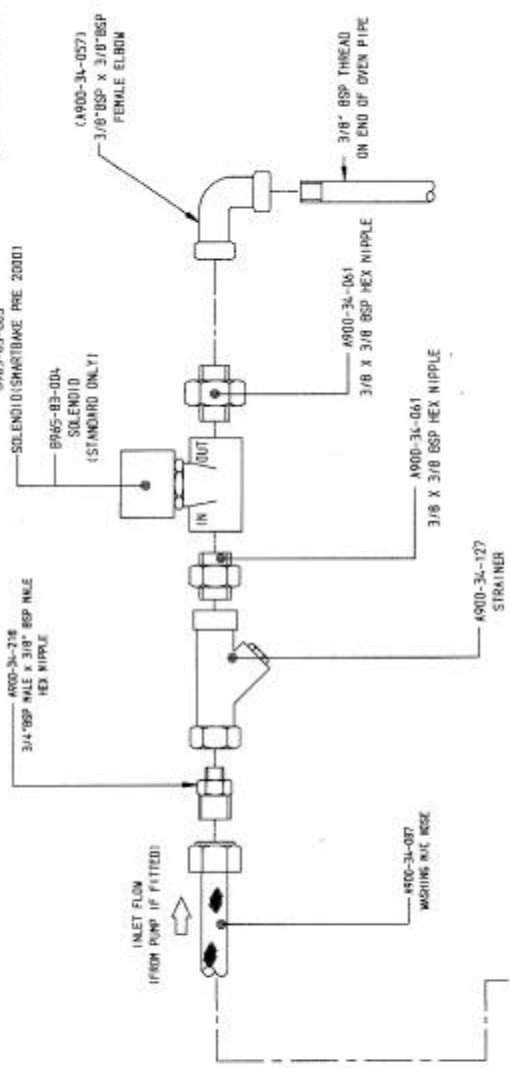
Fax. 01792 561016



15.0 ELECTRICS (WITHOUT PUMP)

DO NOT SCALE - IF IN DOUBT ASK

ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED



IF FITTED

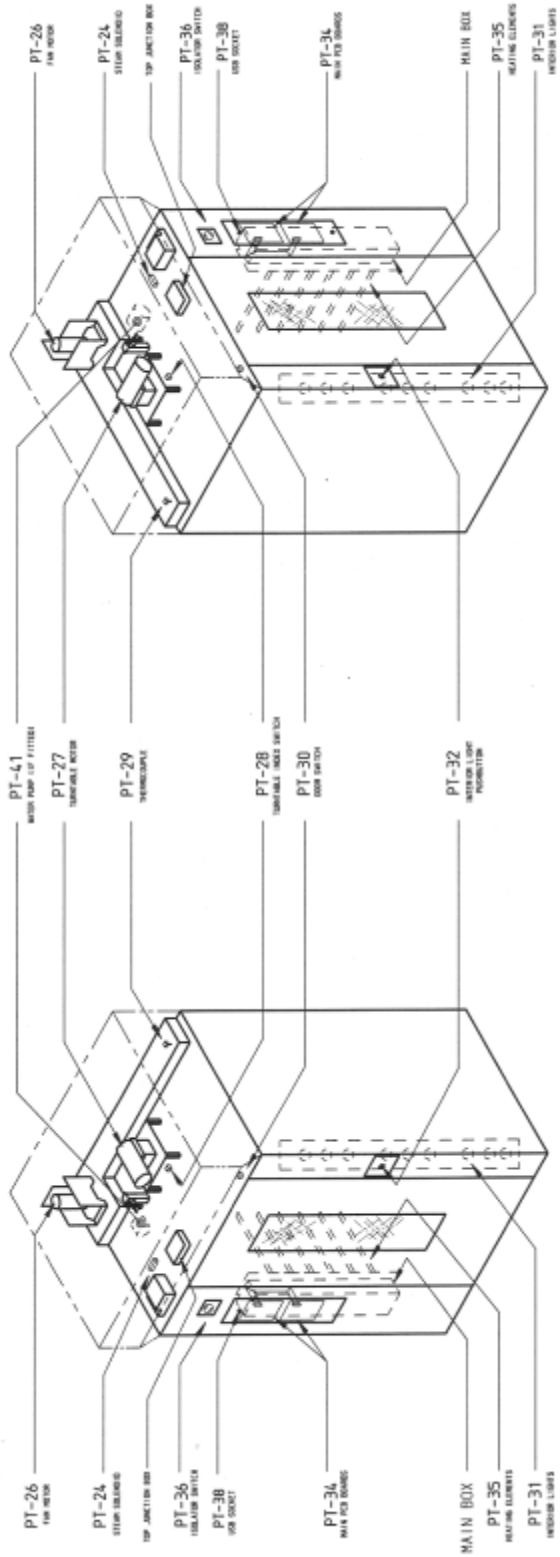
REV	SIG	DATE	REVISION	ECN NO.
B	RAC	19-04-11	FLOW-VALVE REMOVED	069/111
A	S.P.	11-2-98	PIPE FITTINGS CHANGED	06/43

MONO EQUIPMENT 1000 WILSON AVENUE SWANSEA WEST IND PARK SWANSEA, GAVASER, SA5 4EB. TEL: (01792) 561234 FAX: (01792) 561016		TITLE: MXE/MXN OVEN - STANDARD MODEL WATER INLET COMPONENTS	
MATL:	DRWNGE	PURCHASE ORDER NO.	WORKS ORDER NO.
CITY:	RAC		
NO. REQ:	DATE:		
	16-12-96		
FINISH:	SCALE:	DRAWING NO.	REV:
	A3	M164-01-02300	B
	SIZE	NTS	

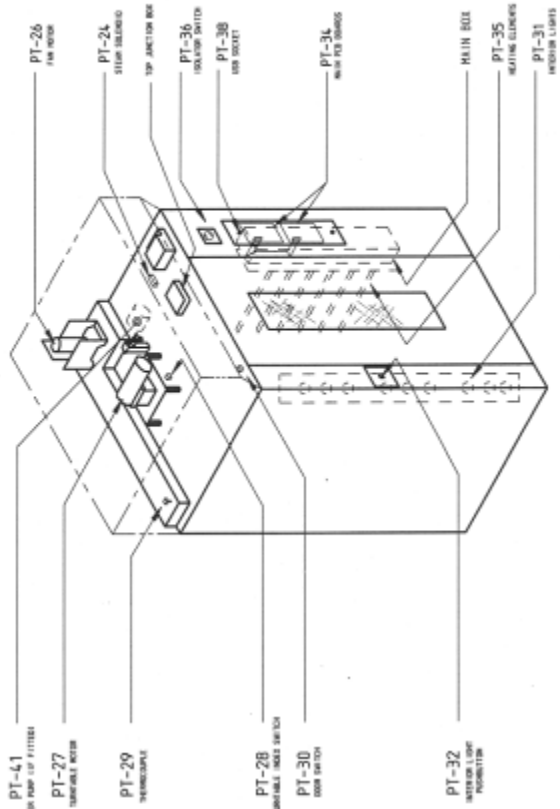
REMOVE ALL BURRS & SHARP EDGES - ON SHEET METAL PARTS EXTERNAL CORNERS TO BE SAFETY RADIUS 2mm UNLESS STATED OTHERWISE
 SURFACE FINISH: 1/2 COARSE FINISH, 1/4 MEDIUM FINISH, 1/8 FINE FINISH, 1/16 GROUND FINISH
 OPEN 10.1, 15.0 & BELOW ±.5 OVER 15.0 ±1.0 DECIMAL DIMS. 75 & BELOW ±.25, 75 TO 300 ±.4, 300 TO 600 ±.5, OVER 600 ±1.0
 COPYRIGHT © 1998 - THIS DESIGN/DRAWING IS THE PROPERTY OF MONO EQUIPMENT LTD. AND MUST NOT BE REPRODUCED, COPIED, NOR ITS CONTENTS DIVULGED WITHOUT PRIOR WRITTEN PERMISSION.

IF IN ANY DOUBT - ASK

R.H. OVEN



L.H. OVEN




REV	SIG	DATE	REVISION	ECN NO.
<p>MONO EQUIPMENT QUEENSWAY SWANSEA WEST IND PARK SWANSEA, SAU 4EB. TEL: (01792) 561234 FAX: (01792) 561016</p>				
<p>MONO</p>				
<p>ELECTRICAL SPECIFICATIONS:- 415V 3PH 50Hz</p>				
<p>TITLE: MXT MAIN COMPONENTS LAYOUT</p>				
<p>DRAWN: JC/RAC</p>				
<p>ELECTRICALLY APPROVED BY:-</p>				
<p>DATE: 23-03-12</p>				
<p>DRAWING NO.: M164E25-36100</p>				
<p>REV.: ---</p>				

COPYRIGHT © 1998 - THIS DESIGN/DRAWING IS THE PROPERTY OF MONO EQUIPMENT LTD. AND MUST NOT BE REPRODUCED, COPIED, NOR ITS CONTENTS DIVULGED WITHOUT PRIOR WRITTEN PERMISSION.

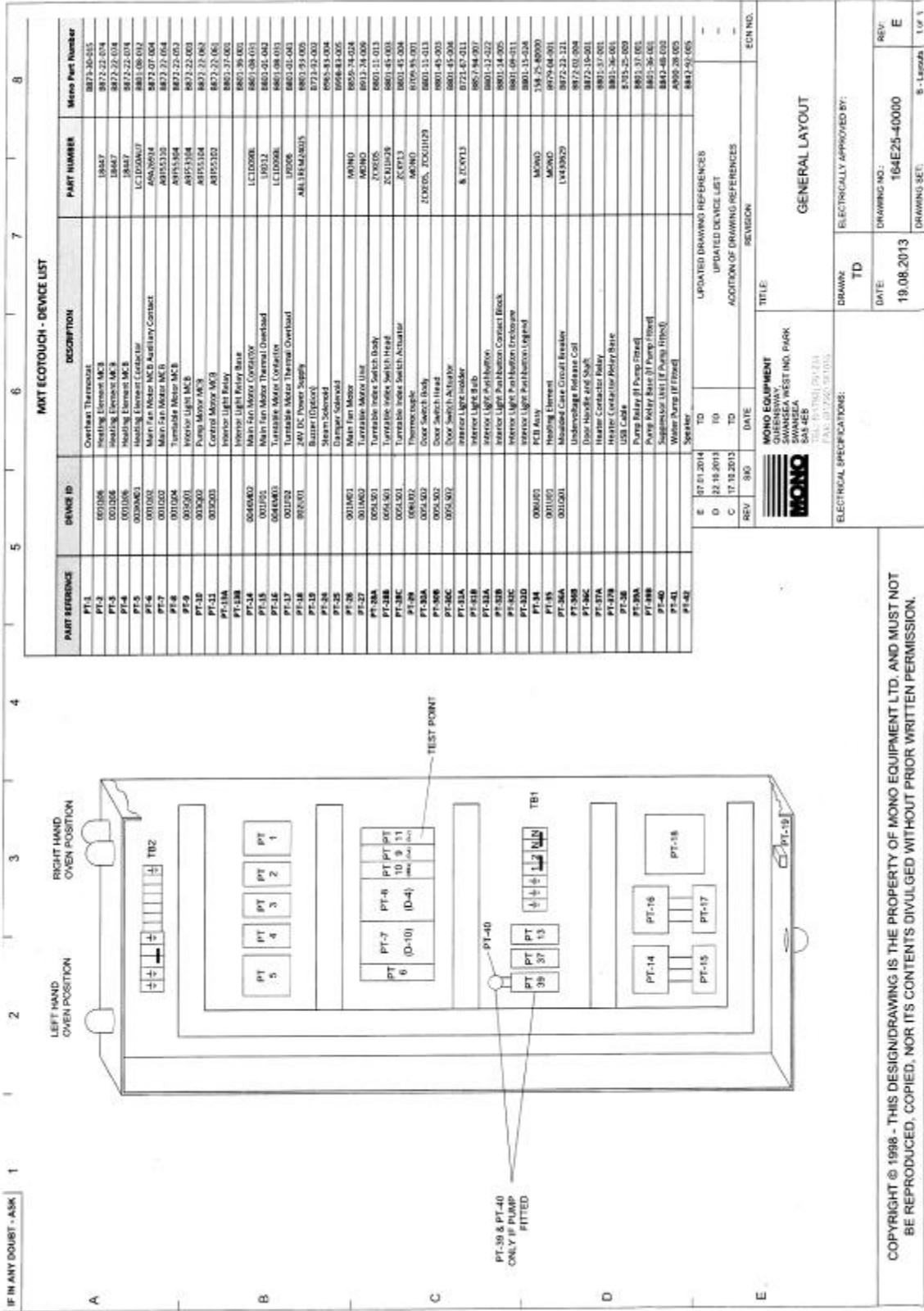
IF IN ANY DOUBT - ASK

DRAWING PT-Ref	DESCRIPTION	MONO PART NUMBER
PT-1	OVERHEAT THERMOSTAT	8873-30-015
PT-2	HEATING ELEMENT MCB.	8872-22-074
PT-3	HEATING ELEMENT MCB.	8872-22-074
PT-4	HEATING ELEMENT MCB.	8872-22-074
PT-5	HEATING ELEMENT CONTACTOR	8801-08-032
PT-6	MAIN FAN MOTOR MCB AUXILIARY CONTACT	8872-07-004
PT-7	MAIN FAN MOTOR MCB.	8872-22-054
PT-8	TURNTABLE MOTOR MCB.	8872-22-052
PT-9	INTERIOR LIGHT MCB..	8872-22-003
PT-10	PUMP MOTOR MCB.	8872-22-062
PT-11	CONTROL MOTOR MCB.	8872-22-061
PT-13A	INTERIOR LIGHT RELAY.	8801-37-001
PT-13B	INTERIOR LIGHT RELAY BASE.	8801-36-001
PT-14	MAIN FAN MOTOR CONTACTOR.	8801-08-031
PT-15	MAIN FAN MOTOR THERMAL OVERLOAD.	8801-01-042
PT-16	TURNTABLE MOTOR CONTACTOR.	8801-08-031
PT-17	TURNTABLE MOTOR THERMAL OVERLOAD.	8801-01-041
PT-18	24V DC POWER SUPPLY.	8801-93-005
PT-19	BUZZER (OPTION)	8723-92-002
PT-24	STEAM SOLENOID.	8965-83-004
PT-25	DAMPER SOLENOID.	8998-83-005
PT-26	MAIN FAN MOTOR.	8859-74-024
PT-27	TURNTABLE MOTOR UNIT.	8912-74-009
PT-28A	TURNTABLE INDEX SWITCH BODY.	8801-11-013
PT-28B	TURNTABLE INDEX SWITCH HEAD.	8801-45-003
PT-28C	TURNTABLE INDEX SWITCH ACTUATOR.	8801-45-004
PT-29	THERMOCOUPLE.	8709-95-001
PT-30A	DOOR SWITCH BODY.	8801-11-013
PT-30B	DOOR SWITCH HEAD.	8801-45-003
PT-30C	DOOR SWITCH ACTUATOR.	8801-45-004

DRAWING PT-Ref	DESCRIPTION	MONO PART NUMBER
PT-31A	INTERIOR LIGHT HOLDER.	8721-67-011
PT-31B	INTERIOR LIGHT BULB.	8857-94-007
PT-32A	INTERIOR LIGHT PUSHBUTTON.	8801-12-022
PT-32B	INTERIOR LIGHT PUSHBUTTON CONTACT BLOCK	8801-14-005
PT-32C	INTERIOR LIGHT PUSHBUTTON ENCLOSURE.	8801-09-011
PT-32D	INTERIOR LIGHT PUSHBUTTON LEGEND.	8801-15-024
PT-34	PCB ASSY	158-25-80000
PT-35	HEATING ELEMENT.	8979-04-001
PT-36A	MOULDED CASE CIRCUIT BREAKER.	8872-22-078
PT-36B	UNDERVOLTAGE RELEASE COIL.	8872-02-004
PT-36C	DOOR HANDLE AND SHAFT.	8872-19-001
PT-37A	HEATER CONTACTOR RELAY.	8801-37-001
PT-37B	HEATER CONTACTOR RELAY BASE.	8801-36-001
PT-38	USB CABLE	8705-25-009
PT-39a	PUMP RELAY (IF PUMP FITTED)	8801-37-001
PT-39b	PUMP RELAY BASE (IF PUMP FITTED).	8801-36-001
PT-40	SUPPRESSOR UNIT (IF PUMP FITTED).	8842-48-010
PT-41	WATER PUMP (IF FITTED).	A900-28-005
PT-42	SPEAKER	8842-92-005

REV	SIG	DATE	REVISION	ECN NO.
 <p>MONO EQUIPMENT MONSIEUR VAL SWANSEA WEST IND PARK SWANSEA SA6 4EB. TEL: (01782) 581234 FAX: (01782) 581018</p>				
ELECTRICAL SPECIFICATIONS:-			TITLE: COMPONENT PART LIST FOR MXT COLOURSMART OVEN	
DRAWN: JC/RAC			ELECTRICALLY APPROVED BY:-	
DATE: 26-03-12			DRAWING NO. SRT 2 of 2 M164E25-36100	
			REV: --	

COPYRIGHT © 1998 - THIS DESIGN/DRAWING IS THE PROPERTY OF MONO EQUIPMENT LTD. AND MUST NOT BE REPRODUCED, COPIED, NOR ITS CONTENTS DISCLOSED WITHOUT PRIOR WRITTEN PERMISSION.



PART REFERENCE	SHANK ID	DESCRIPTION	PART NUMBER	MONO Part Number
PT-1		Overheat Thermostat		8873-20-055
PT-2	051006	Heating Element MCB	19447	8872-22-074
PT-3	001008	Heating Element MCB	19447	8872-22-074
PT-4	001006	Heating Element MCB	19447	8872-22-074
PT-5	001006	Main Fan Motor MCB	LC1000017	8881-08-013
PT-6	001003	Main Fan Motor MCB Auxiliary Contact	68000018	8872-27-004
PT-7	001004	Turntable Motor MCB	8815104	8872-27-004
PT-8	001004	Turntable Motor MCB	8815104	8872-27-004
PT-9	001001	Inverse (M) MCB	8815104	8872-27-004
PT-10	001002	Pump Motor MCB	8815104	8872-27-004
PT-11	001003	Control Motor MCB	8815104	8872-27-004
PT-12		Inverse Light Relay	8801-37-003	8872-27-004
PT-13		Inverse Light Relay Base	8801-38-003	8801-38-003
PT-14	0040002	Main Fan Motor Controller	LC100008	8801-38-003
PT-15	001004	Main Fan Motor Thermal Overload	19012	8802-21-042
PT-16	0040003	Turntable Motor Controller	LC100008	8801-38-003
PT-17	001004	Turntable Motor Thermal Overload	19009	8802-21-042
PT-18	892501	24V DC Power Supply	ABL1816A2015	8802-25-005
PT-19		Buzzer (Display)		8872-32-003
PT-20		Steam Solenoid		8885-83-004
PT-21		Drum Solenoid		8886-83-005
PT-22	001001	Main Fan Motor	M010	8855-74-024
PT-23	001003	Turntable Motor (I)sr	M010	8855-74-024
PT-24	001003	Turntable Motor Switch Body	M010	8855-74-024
PT-25	0040001	Turntable Inverse Switch Head	Z0305	8801-11-013
PT-26	0040001	Turntable Inverse Switch Head	Z031029	8801-45-003
PT-27	0040001	Turntable Inverse Switch Actuator	Z0313	8801-45-004
PT-28	088001	Thermocouple	M010	8709-95-001
PT-29	0040001	Door Switch Body	Z0005, Z000129	8801-11-013
PT-30	0040001	Door Switch Head		8801-45-003
PT-31	0040001	Door Switch Holder		8872-34-011
PT-32	0040001	Door Switch Light Bulb		8801-13-027
PT-33		Inverse Light Bulb	B, TC013	8801-14-205
PT-34		Inverse Light Bulb		8801-14-205
PT-35		Inverse Light Bulb		8801-14-205
PT-36		Inverse Light Bulb		8801-14-205
PT-37		Inverse Light Bulb		8801-14-205
PT-38		Inverse Light Bulb		8801-14-205
PT-39		Inverse Light Bulb		8801-14-205
PT-40		Inverse Light Bulb		8801-14-205
PT-41		Inverse Light Bulb		8801-14-205
PT-42		Inverse Light Bulb		8801-14-205
PT-43		Inverse Light Bulb		8801-14-205

IF IN ANY DOUBT - ASK

1 2 3 4 5 6 7 8

LEFT HAND OVEN POSITION

RIGHT HAND OVEN POSITION

TEST POINT

PT-30 & PT-40 ONLY IF PUMP FITTED

PT-19

PT-18

PT-17

PT-16

PT-15

PT-14

PT-13

PT-12

PT-11

PT-10

PT-9

PT-8

PT-7

PT-6 (D-10)

PT-5

PT-4

PT-3

PT-2

PT-1

PT-18

PT-17

PT-16

PT-15

PT-14

PT-13

PT-12

PT-11

PT-10

PT-9

PT-8

PT-7

PT-6

PT-5

PT-4

PT-3

PT-2

PT-1

REVISIONS

REV	NO	DATE	DESCRIPTION
E	07.01.2014		UPDATED DRAWING REFERENCES
D	24.10.2013		UPDATED DEVICE LIST
C	17.10.2013		ADDITION OF DRAWING REFERENCES

MONO EQUIPMENT
 1000 NEWCASTLE ROAD
 SWANSEA SA7 8BB
 SWANSEA SA5 4EB
 TEL: 01792 591111
 FAX: 01792 681033

TITLE: GENERAL LAYOUT

DRAWN: TD
 DATE: 19.08.2013
 DRAWING NO.: 164E25-40000
 REV: E

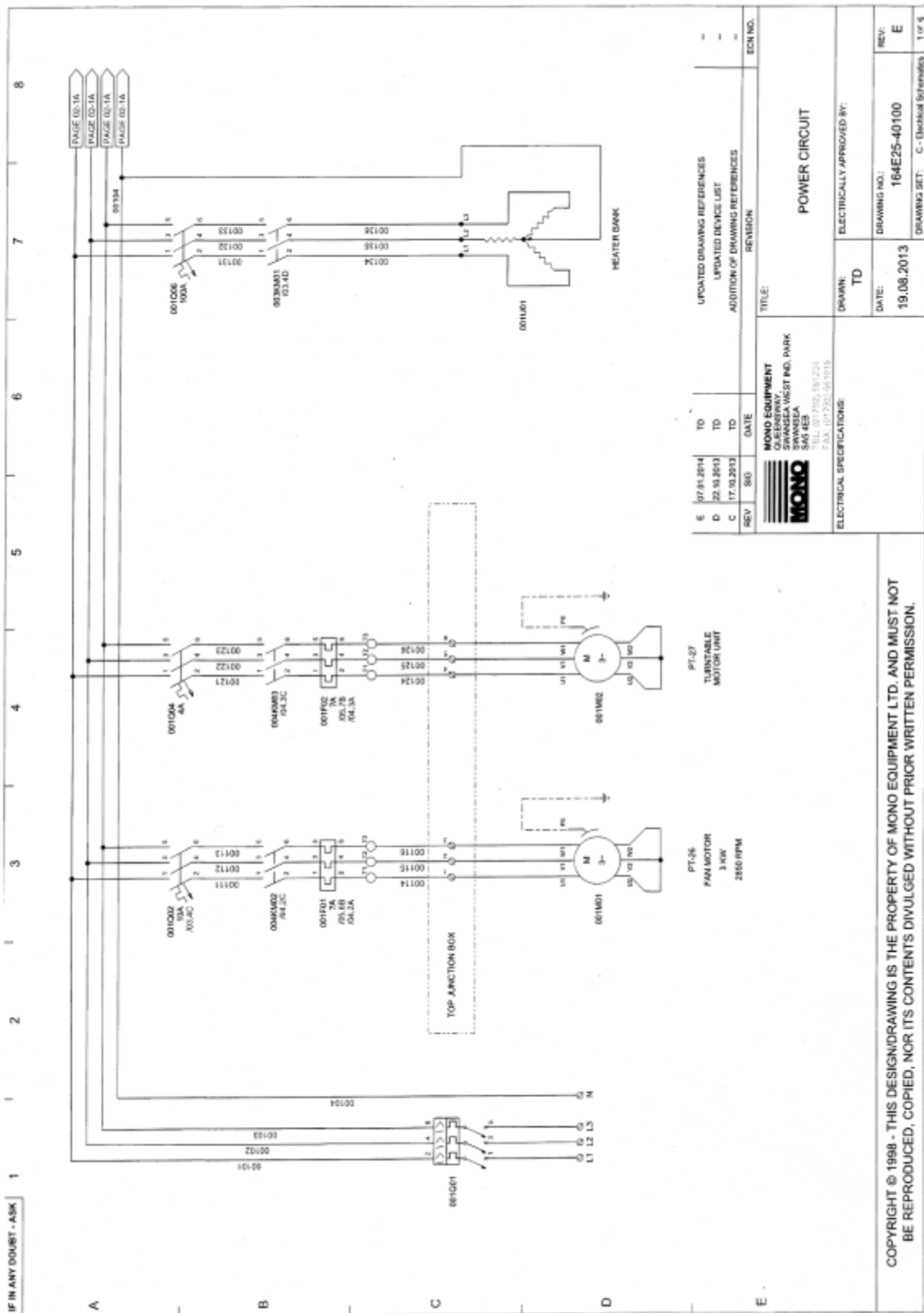
ELECTRICAL SPECIFICATIONS: ELECTRICALLY APPROVED BY:

CON NO. -

ECON NO. -

DRAWING SET: B - Layouts 1 of 1

COPYRIGHT © 1988 - THIS DESIGN/DRAWING IS THE PROPERTY OF MONO EQUIPMENT LTD. AND MUST NOT BE REPRODUCED, COPIED, NOR ITS CONTENTS DIVULGED WITHOUT PRIOR WRITTEN PERMISSION.



REV	NO	DATE	REVISION	ECN NO.
E	07/01/2014	TO	UPDATED DRAWING REFERENCES	-
D	22/01/2013	TO	UPDATED DEVICE LIST	-
C	17/10/2013	TO	ADDITION OF DRAWING REFERENCES	-

MONO EQUIPMENT
 GARDENWAY WEST IND. PARK
 SWANSEA
 SA6 4EB
 TEL: 01792 531234
 FAX: 01792 531075

TITLE: POWER CIRCUIT
 DRAWN: TD
 DATE: 19.08.2013
 DRAWING NO.: 164E25-40100
 REV: E
 DRAWING SET: C - Electrical Schematics 1 of 9

ELECTRICAL SPECIFICATIONS:
 ELECTRICALLY APPROVED BY:

COPYRIGHT © 1998 - THIS DESIGN/DRAWING IS THE PROPERTY OF MONO EQUIPMENT LTD. AND MUST NOT BE REPRODUCED, COPIED, NOR ITS CONTENTS DIVULGED WITHOUT PRIOR WRITTEN PERMISSION.

IF IN ANY DOUBT - ASK 1

2 3 4 5 6 7 8

00101
 00102
 00103
 00104

PAGE 03-1A
 PAGE 03-1A
 PAGE 03-1A
 PAGE 03-1D

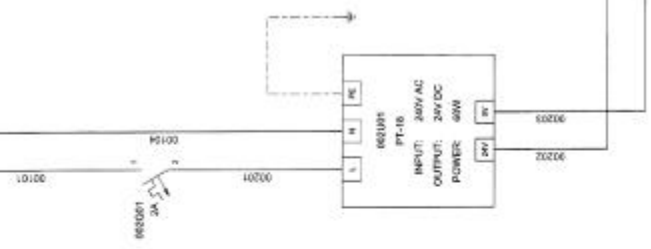
A

B

C

D

E



PAGE 06-1D

PAGE 06-1D

REV	SYG	DATE	DESCRIPTION	ECN NO.
E		10.01.2014	TD	
D		22.10.2013	TD	
C		17.10.2013	TD	

REV	SYG	DATE	DESCRIPTION	ECN NO.
E		10.01.2014	TD	
D		22.10.2013	TD	
C		17.10.2013	TD	

MONO EQUIPMENT
 SWANSEA WEST IND. PARK
 SWANSEA
 SA5 4EB
 T. 01792 441034
 F. 01792 441033

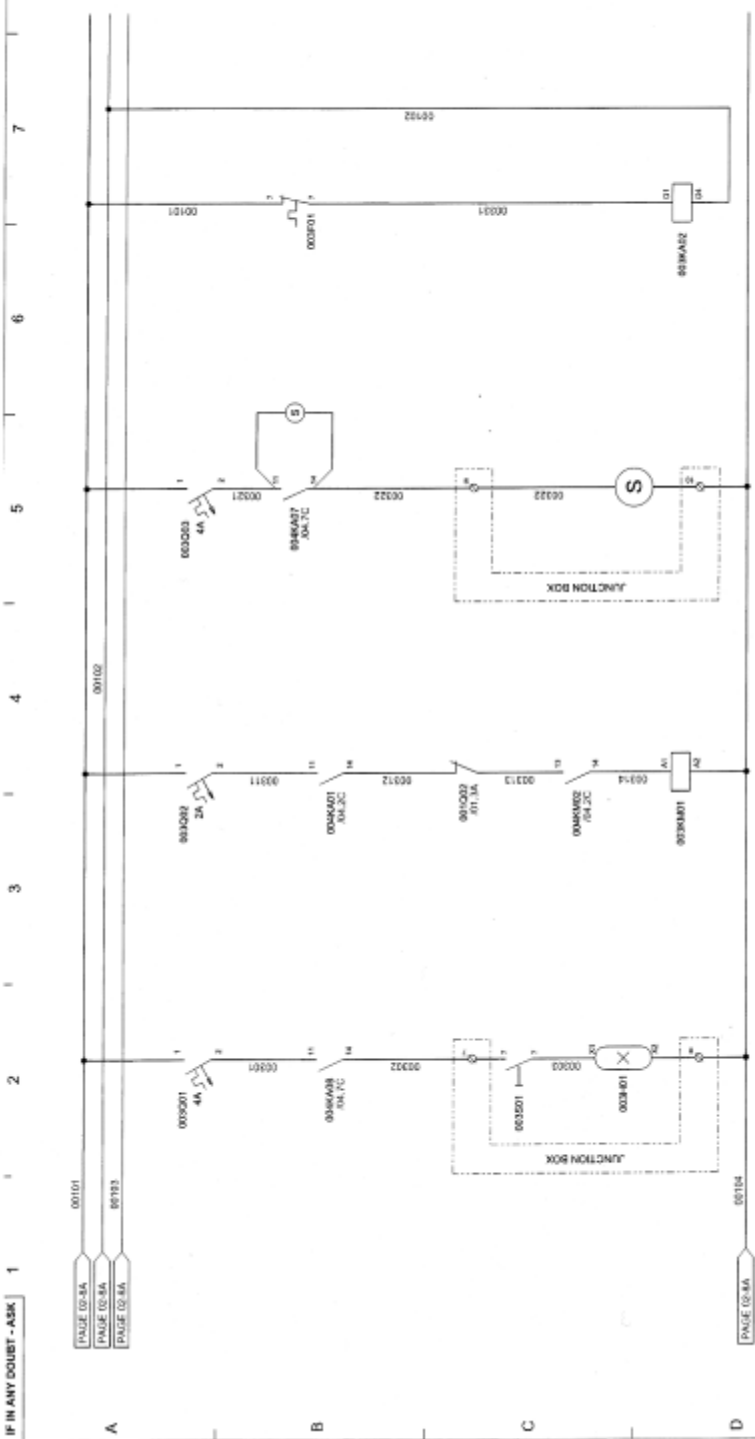
24V DC POWER SUPPLY

ELECTRICALLY APPROVED BY:
 DRAWN: TD
 DATE: 19.08.2013
 DRAWING NO: 164E25-40200
 REV: E
 DRAWING SET: C - Electrical Submittals 2 of 6

COPYRIGHT © 1998 - THIS DESIGN/DRAWING IS THE PROPERTY OF MONO EQUIPMENT LTD. AND MUST NOT BE REPRODUCED, COPIED, NOR ITS CONTENTS DIVULGED WITHOUT PRIOR WRITTEN PERMISSION.

IF IN ANY DOUBT - ASK 1

8

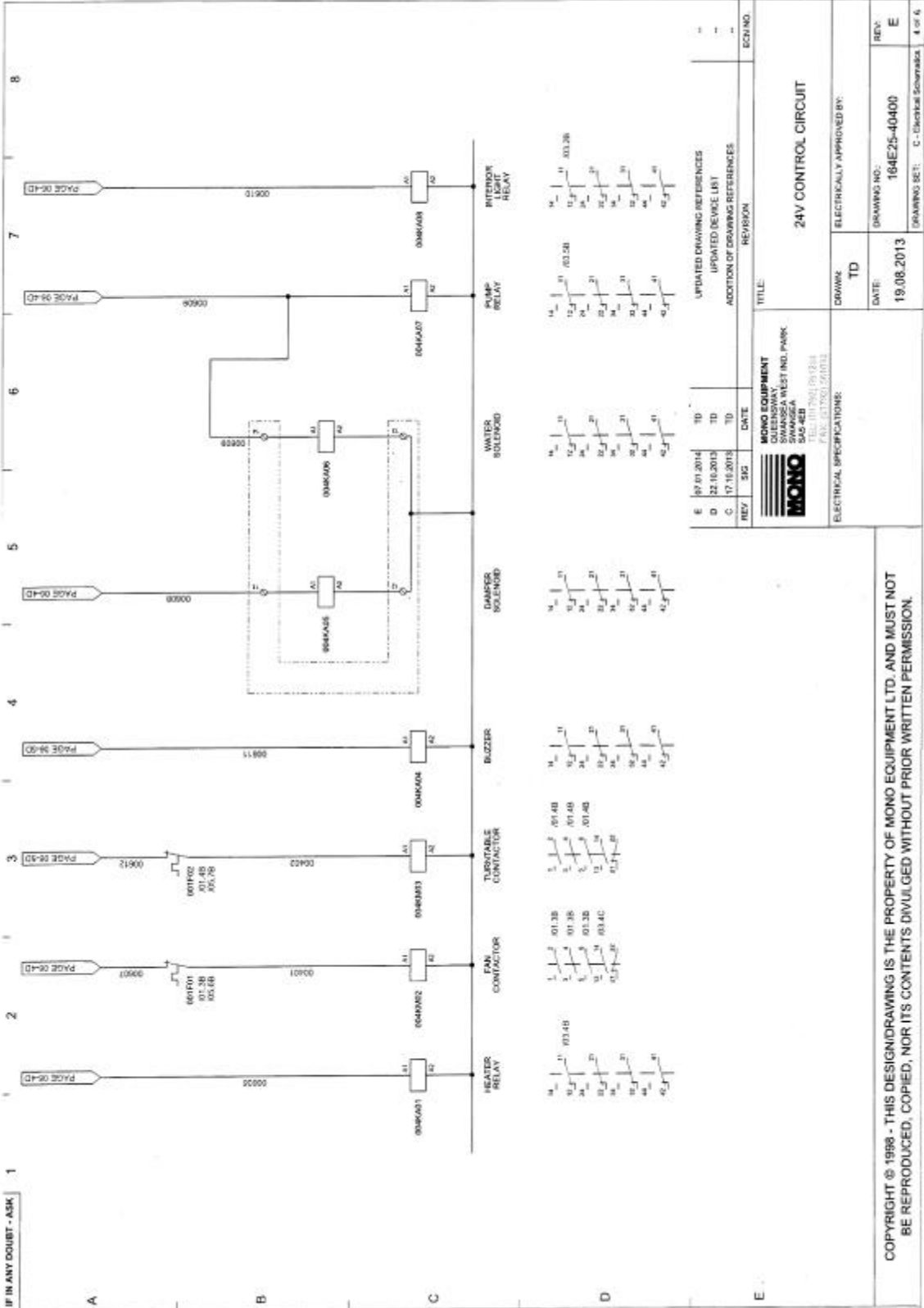


REV	REV. NO.	DATE	DESCRIPTION
E	01	01.20	UPDATED DRAWING REFERENCES
D	02	01.20	UPDATED DEVICE LIST
C	03	01.20	ADDITION OF DRAWING REFERENCES

REV	REV. NO.	DATE	DESCRIPTION
E	01	01.20	UPDATED DRAWING REFERENCES
D	02	01.20	UPDATED DEVICE LIST
C	03	01.20	ADDITION OF DRAWING REFERENCES

MONO EQUIPMENT 1000 SWANESSA WEST IND. PARK SWANESSA VIC 3688 TEL: (01752) 01015 FAX: (01752) 01016		TITLE 240V CONTROL CIRCUIT	
ELECTRICAL SPECIFICATIONS: DRAWN: TD DATE: 19.08.2013 DRAWING NO.: 164E25-40300 REV: E		ELECTRICALLY APPROVED BY:	

COPYRIGHT © 1988 - THIS DESIGN/DRAWING IS THE PROPERTY OF MONO EQUIPMENT LTD. AND MUST NOT BE REPRODUCED, COPIED, NOR ITS CONTENTS DIVULGED WITHOUT PRIOR WRITTEN PERMISSION.

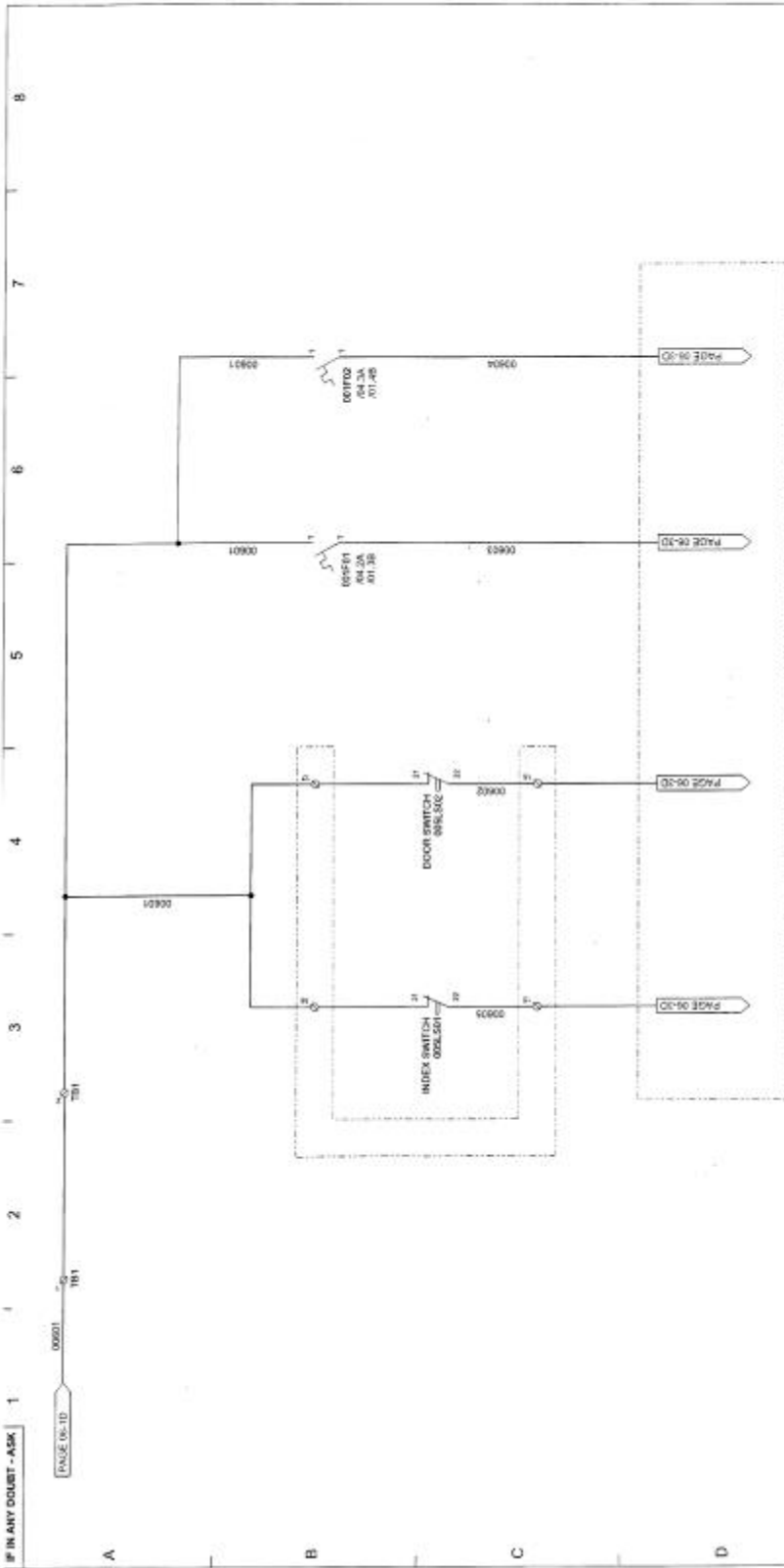


REV	REV	DATE	DESCRIPTION
E	01/01/2014	TD	UPDATED DRAWING REFERENCES
D	12/16/2013	TD	UPDATED DEVICE LIST
C	17/15/2013	TD	ADDITION OF DRAWING REFERENCES

REV	REV	DATE	DESCRIPTION
E	01/01/2014	TD	UPDATED DRAWING REFERENCES
D	12/16/2013	TD	UPDATED DEVICE LIST
C	17/15/2013	TD	ADDITION OF DRAWING REFERENCES

MONO EQUIPMENT SWANSEA WEST IND. PARK SWANSEA SIG 400 TEL: 01792 501184 FAX: 01792 501033		TITLE: 24V CONTROL CIRCUIT
ELECTRICALLY APPROVED BY:		DRAWN: TD
DATE:		19.08.2013
DRAWING NO.:		164E25-40400
DRAWING SET:		C - Electrical Schematics
		REV: E
		4 of 6

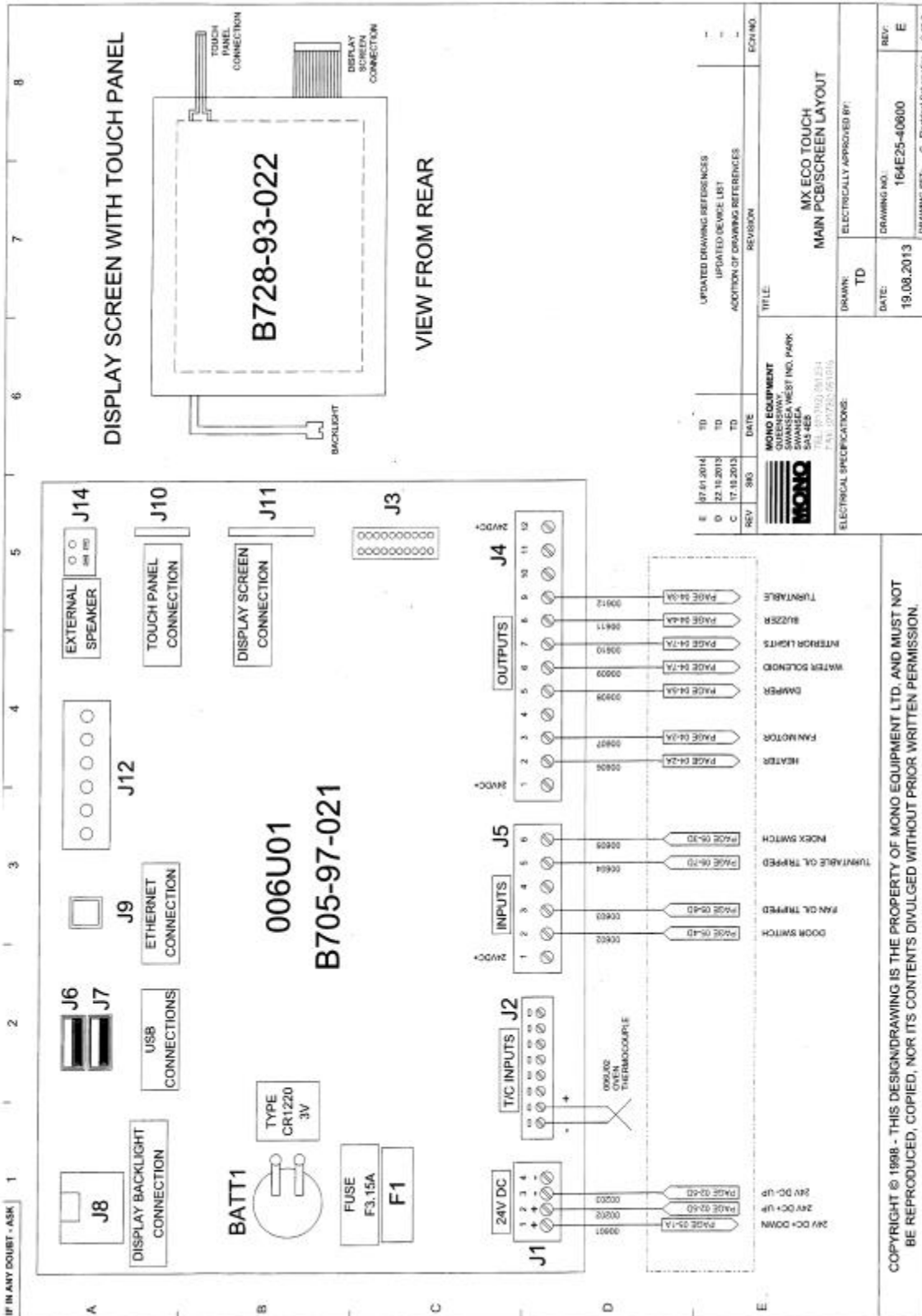
COPYRIGHT © 1998 - THIS DESIGN/DRAWING IS THE PROPERTY OF MONO EQUIPMENT LTD. AND MUST NOT BE REPRODUCED, COPIED, NOR ITS CONTENTS DIVULGED WITHOUT PRIOR WRITTEN PERMISSION.



REV	SIG	DATE	DESCRIPTION	ECN NO.
E		01.01.2014	UPDATED DRAWING REFERENCES	-
D		22.10.2013	UPDATED DEVICE LIST	-
C		17.10.2013	ADDITION OF DRAWING REFERENCES	-

MONO EQUIPMENT SWANSEA WEST IND. PARK SWANSEA SAW45B TEL: 01792 541014 FAX: 01792 541015		TITLE 24V SAFETY CIRCUIT
ELECTRICAL SPECIFICATIONS: DRAWN: TD DATE: 19.08.2013		ELECTRICALLY APPROVED BY: DRAWING NO.: 164E25-40500 REV: E DRAWING SET: C - Electrical Schematics 5 of 6

COPYRIGHT © 1988 - THIS DESIGN/DRAWING IS THE PROPERTY OF MONO EQUIPMENT LTD. AND MUST NOT BE REPRODUCED, COPIED, NOR ITS CONTENTS DIVULGED WITHOUT PRIOR WRITTEN PERMISSION.



REV	NO	DATE	BY	DESCRIPTION	ECN NO
E	01	16.01.2014	TD	UPDATED DRAWING REFERENCES	-
D	02	15.10.2013	TD	UPDATED DEVICE LIST	-
C	01	17.10.2013	TD	ADDITION OF DRAWING REFERENCES	-
REV	NO	DATE	BY	DESCRIPTION	ECN NO

TITLE	DRAWING	DATE	REV	REV:
MX ECO TOUCH MAIN PCB/SCREEN LAYOUT	TD	19.08.2013	164E25-40800	E

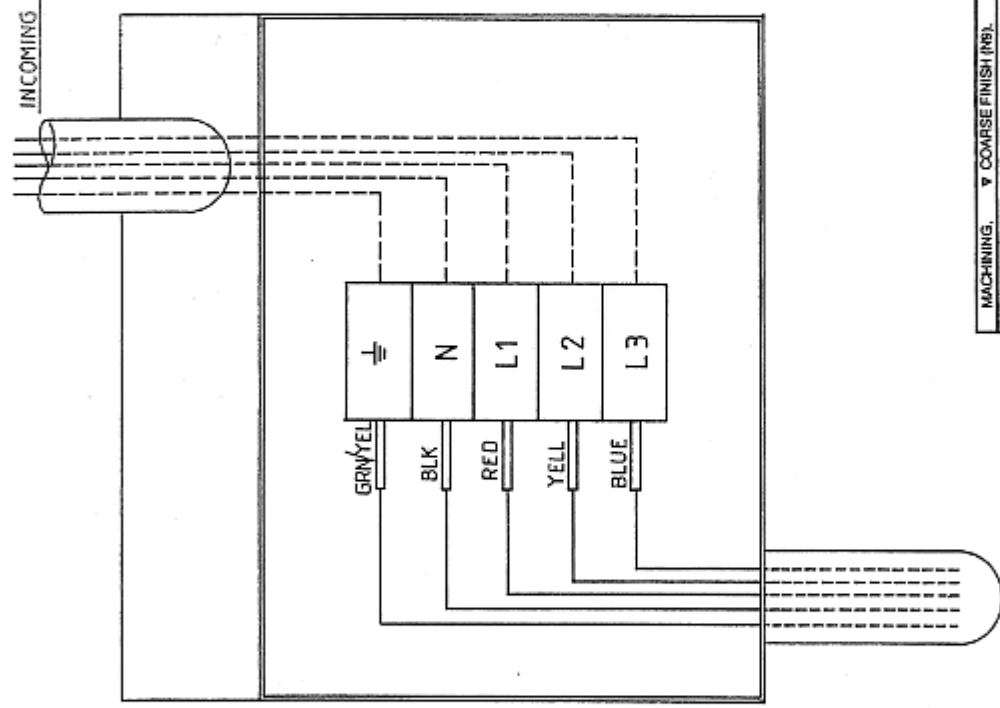
MONO EQUIPMENT	ELECTRICAL SPECIFICATIONS:	ELECTRICALLY APPROVED BY:
MONO EQUIPMENT SWANSEA WEST INC. PARK SWANSEA SAS 4ES TEL: 01792 20 58 58 FAX: 01792 20 55 53		

COPYRIGHT © 1998 - THIS DESIGN/DRAWING IS THE PROPERTY OF MONO EQUIPMENT LTD. AND MUST NOT BE REPRODUCED, COPIED, NOR ITS CONTENTS DIVULGED WITHOUT PRIOR WRITTEN PERMISSION.



16.0 ELECTRICS (WITH PUMP)

INCOMING SUPPLY CABLE



TO MAIN OVEN
CONTROL PANEL

REMOVE ALL BURRS AND SHARP EDGES
MACHINING: ▽ COARSE FINISH (M6), ▽ MEDIUM FINISH (M0), ▽ FINE FINISH (M7), G. GROUND FINISH (M6)
OPER. TOL. 150 & BELOW ± .5, OVER 150 ± 1.0 DECIMAL DIMS. 75 & BELOW ± .25, 75 TO 800 ± .5, OVER 800 ± 1.0

SUPPLY TERMINAL BOX CONNECTIONS

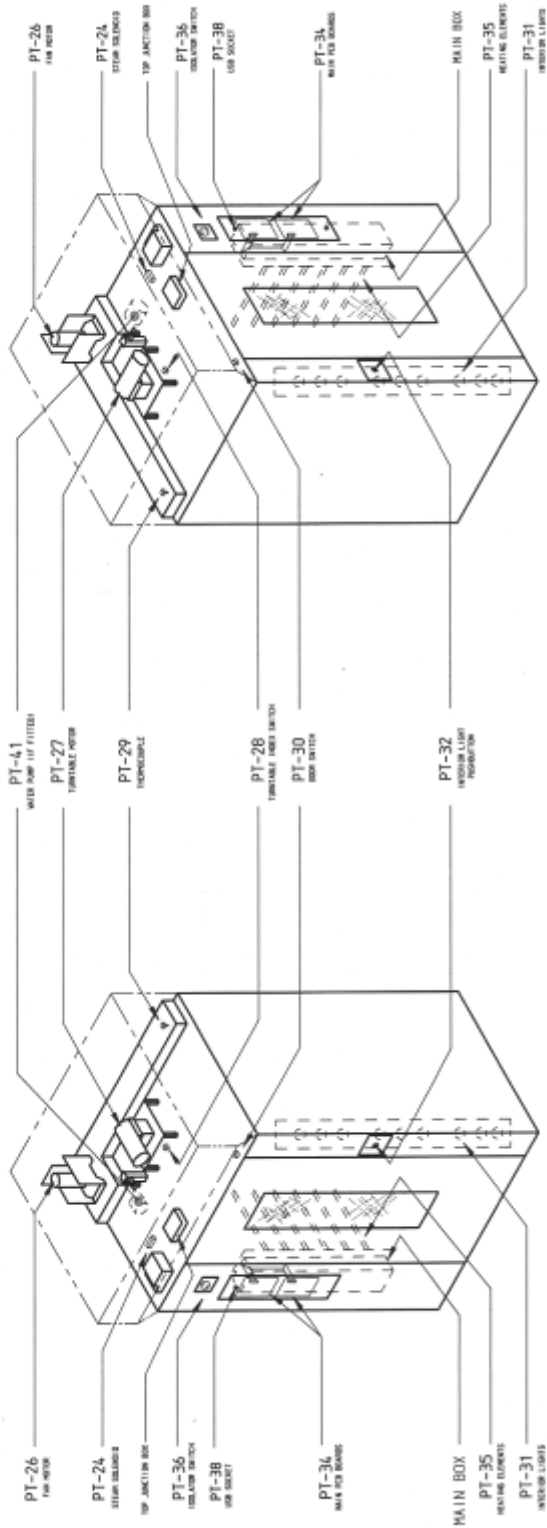
MONO EQUIPMENT LTD.
GUESBWAY, INDUSTRIAL ESTATE,
EQUIPMENT LIMITED, FFORESTFACH, SWANSEA SA6 7EB
Drawing No. 162-25-133 00
Change

No. Req'd	Drawn: RAC
Material:	Date: 25-11-91
Finish:	Scale: N.T.S.

IF IN ANY DOUBT - ASK

R.H. OVEN

L.H. OVEN




REV	SIG	DATE	REVISION	ECH NO.
<p>MONO EQUIPMENT GUNDESBURY SWANSEA WEST IND PARK SWANSEA, SA5 4EL. TEL: (01792) 561234 FAX: (01792) 561016</p>				
<p>TITLE: MX1 MAIN COMPONENTS LAYOUT</p>			<p>DRAWN: JC/RAC</p>	
<p>ELECTRICAL SPECIFICATIONS:- 415V 3PH 50Hz</p>			<p>ELECTRICALLY APPROVED BY:-</p>	
<p>DATE: 23-03-12</p>			<p>DRAWING NO. M164E25-36100</p>	
<p>REV: 1 of 2</p>			<p>REV: ---</p>	

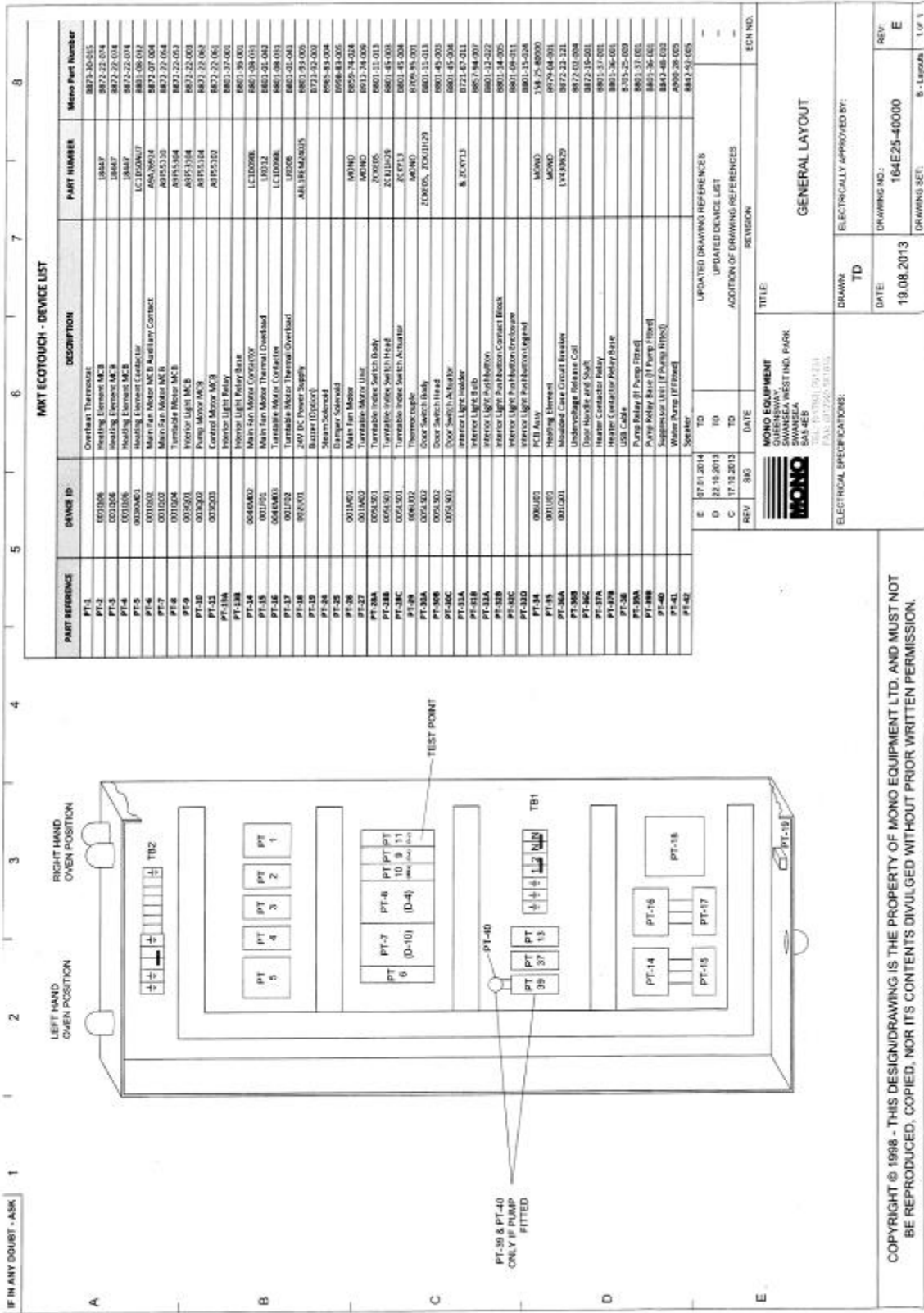
COPYRIGHT © 1998 - THIS DESIGN/DRAWING IS THE PROPERTY OF MONO EQUIPMENT LTD. AND MUST NOT BE REPRODUCED, COPIED, NOR ITS CONTENTS DIVULGED WITHOUT PRIOR WRITTEN PERMISSION.

IF IN ANY DOUBT - ASK

DRAWING PT-Ref	DESCRIPTION	MONO PART NUMBER	DRAWING PT-Ref	DESCRIPTION	MONO PART NUMBER
PT-1	OVERHEAT THERMOSTAT	8873-30-015	PT-31A	INTERIOR LIGHT HOLDER.	8721-67-011
PT-2	HEATING ELEMENT MCB.	8872-22-074	PT-31B	INTERIOR LIGHT BULB.	8857-94-007
PT-3	HEATING ELEMENT MCB.	8872-22-074	PT-32A	INTERIOR LIGHT PUSHBUTTON.	8801-12-022
PT-4	HEATING ELEMENT MCB.	8872-22-074	PT-32B	INTERIOR LIGHT PUSHBUTTON CONTACT BLOCK	8801-14-005
PT-5	HEATING ELEMENT CONTACTOR	8801-08-032	PT-32C	INTERIOR LIGHT PUSHBUTTON ENCLOSURE.	8801-09-011
PT-6	MAIN FAN MOTOR MCB AUXILIARY CONTACT	8872-07-004	PT-32D	INTERIOR LIGHT PUSHBUTTON LEGEND.	8801-15-024
PT-7	MAIN FAN MOTOR MCB.	8872-22-054	PT-34	PCB ASSY	158-25-80000
PT-8	TURNTABLE MOTOR MCB.	8872-22-052	PT-35	HEATING ELEMENT.	8979-04-001
PT-9	INTERIOR LIGHT MCB..	8872-22-003	PT-36A	MOULDED CASE CIRCUIT BREAKER.	8872-22-078
PT-10	PUMP MOTOR MCB.	8872-22-062	PT-36B	UNDERVOLTAGE RELEASE COIL.	8872-02-002
PT-11	CONTROL MOTOR MCB.	8872-22-061	PT-36C	DOOR HANDLE AND SHAFT.	8872-19-001
PT-13A	INTERIOR LIGHT RELAY.	8801-37-001	PT-37A	HEATER CONTACTOR RELAY.	8801-37-001
PT-13B	INTERIOR LIGHT RELAY BASE.	8801-36-001	PT-37B	HEATER CONTACTOR RELAY BASE.	8801-36-001
PT-14	MAIN FAN MOTOR CONTACTOR.	8801-08-031	PT-38	USB CABLE	8705-25-009
PT-15	MAIN FAN MOTOR THERMAL OVERLOAD.	8801-01-042	PT-39a	PUMP RELAY (IF PUMP FITTED)	8801-37-001
PT-16	TURNTABLE MOTOR CONTACTOR.	8801-08-031	PT-39b	PUMP RELAY BASE (IF PUMP FITTED).	8801-36-001
PT-17	TURNTABLE MOTOR THERMAL OVERLOAD.	8801-01-041	PT-40	SUPPRESSOR UNIT (IF PUMP FITTED).	8842-48-010
PT-18	24V DC POWER SUPPLY.	8801-93-005	PT-41	WATER PUMP (IF FITTED).	A900-28-005
PT-19	BUZZER (OPTION)	8723-92-002	PT-42	SPEAKER	8842-92-005
PT-24	STEAM SOLENOID.	8965-83-004			
PT-25	DAMPER SOLENOID.	8998-83-005			
PT-26	MAIN FAN MOTOR.	8859-74-024			
PT-27	TURNTABLE MOTOR UNIT.	8912-74-009			
PT-28A	TURNTABLE INDEX SWITCH BODY.	8801-11-013			
PT-28B	TURNTABLE INDEX SWITCH HEAD.	8801-45-003			
PT-28C	TURNTABLE INDEX SWITCH ACTUATOR.	8801-45-004			
PT-29	THERMOCOUPLE.	8709-95-001			
PT-30A	DOOR SWITCH BODY.	8801-11-013			
PT-30B	DOOR SWITCH HEAD.	8801-45-003			
PT-30C	DOOR SWITCH ACTUATOR.	8801-45-004			

COPYRIGHT © 1998 - THIS DESIGN/DRAWING IS THE PROPERTY OF MONO EQUIPMENT LTD. AND MUST NOT BE REPRODUCED, COPIED, NOR ITS CONTENTS DIVULGED WITHOUT PRIOR WRITTEN PERMISSION.

REV	SIG	DATE	REVISION	ECH NO.
 MONO EQUIPMENT QUEENSWAY SWANSEA WEST IND PARK SWANSEA, SA5 4EB. TEL: (01792) 561234 FAX: (01792) 561016			TITLE: COMPONENT PART LIST FOR HXT COLOURSMART OVEN	
ELECTRICAL SPECIFICATIONS:-			DRAWN: JC/RAC	ELECTRICALLY APPROVED BY:-
			DATE: 26-03-12	DRAWING NO. M164E25-36100
				REV: --



PART REFERENCE	BRAND ID	DESCRIPTION	PART NUMBER	MONO Part Number
PT-1		Overheat Thermostat		8873-30-055
PT-2	051006	Heating Element MCB	19447	8872-22-074
PT-3	021008	Heating Element MCB	19447	8872-22-074
PT-4	001006	Heating Element MCB	19447	8872-22-074
PT-5	001006	Main Fan Motor MCB	LC100007	8801-08-013
PT-6	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-7	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-8	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-9	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-10	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-11	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-12	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-13	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-14	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-15	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-16	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-17	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-18	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-19	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-20	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-21	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-22	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-23	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-24	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-25	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-26	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-27	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-28	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-29	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-30	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-31	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-32	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-33	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-34	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-35	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-36	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-37	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-38	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-39	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-40	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-41	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-42	001006	Main Fan Motor MCB	LC100007	8872-07-004
PT-43	001006	Main Fan Motor MCB	LC100007	8872-07-004

IF IN ANY DOUBT - ASK

LEFT HAND OVEN POSITION

RIGHT HAND OVEN POSITION

TEST POINT

PT-30 & PT-40 ONLY IF PUMP FITTED

PT-19

PT-14

PT-15

PT-16

PT-17

PT-18

PT-1

PT 2

PT 3

PT 4

PT 5

PT 6

PT-8

PT-9

PT-10

PT-11

PT-12

PT-13

PT-14

PT-15

PT-16

PT-17

PT-18

PT-19

PT 30

PT 31

PT 32

PT 33

PT 34

PT 35

PT 36

PT 37

PT 38

PT 39

PT 40

PT 41

PT 42

PT 43

MONO EQUIPMENT

SAWANGA INDUSTRIES PAKISTAN

SAWANGA

545 4EB

TEL: 0517801 09 414

FAX: 05226 08 103

REVISIONS

REV: 8/6 DATE: 17.10.2013

REV: 10/0 DATE: 24.10.2013

REV: 11/0 DATE: 07.01.2014

ADDITION OF DRAWING REFERENCES

UPDATED DRAWING REFERENCES

ECON NO.

TITLE: GENERAL LAYOUT

DRAWN: TD

ELECTRICALLY APPROVED BY:

DATE: 19.08.2013

DRAWING NO.: 164E25-40000

REV: E

DRAWING SET: B - Layouts 1 of 1

Copyright © 1998 - THIS DESIGN/DRAWING IS THE PROPERTY OF MONO EQUIPMENT LTD. AND MUST NOT BE REPRODUCED, COPIED, NOR ITS CONTENTS DIVULGED WITHOUT PRIOR WRITTEN PERMISSION.

IF IN ANY DOUBT - ASK

8

7

6

5

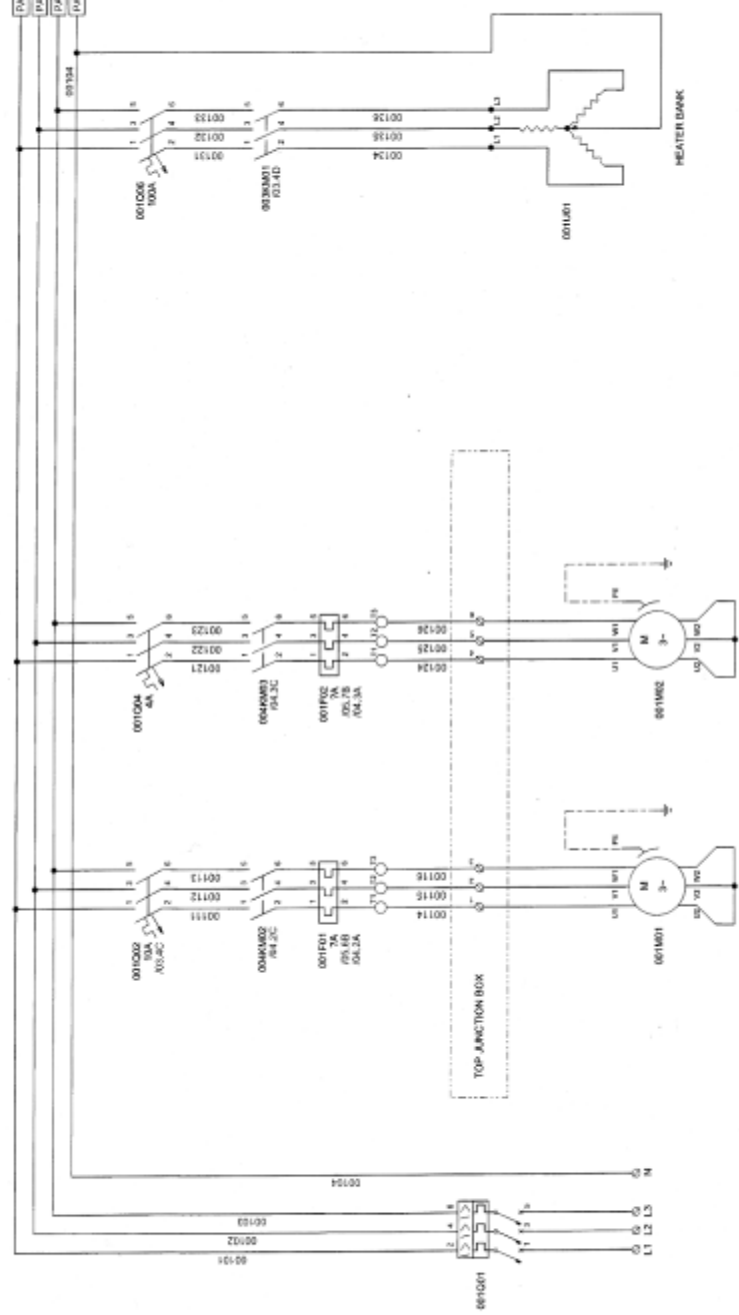
4

3

2

1

PAGE 02-1A
PAGE 02-1A
PAGE 02-1A



REV	NO	DATE	REVISION	ECN NO.
E	01	01.28.14	UPDATED DRAWING REFERENCES	-
D	22	03.28.13	UPDATED DEVICE LIST	-
C	17	10.2013	ADDITION OF DRAWING REFERENCES	-

MONO EQUIPMENT
 1000 WINDFARM ROAD
 SWANSEA SA6 4ES
 TEL: 01792 551234
 FAX: 01792 551173

MONO

PT-28
FAN MOTOR
3 KW
2850 RPM

PT-27
TURBTABLE
MOTOR UNIT

HEATER BANK

TITLE: POWER CIRCUIT

DRAWN: TD
 ELECTRICALLY APPROVED BY:

DATE: 19.08.2013
 DRAWING NO: 164E25-40100
 REV: E
 DRAWING SET: C - Electrical Schematics 1 of 5

COPYRIGHT © 1998 - THIS DESIGN/DRAWING IS THE PROPERTY OF MONO EQUIPMENT LTD. AND MUST NOT BE REPRODUCED, COPIED, NOR ITS CONTENTS DIVULGED WITHOUT PRIOR WRITTEN PERMISSION.

IF IN ANY DOUBT - ASK

1 2 3 4 5 6 7 8

00101
 00102
 00103
 00104

PAGE 03-1A
 PAGE 03-1A
 PAGE 03-1A
 PAGE 03-1D

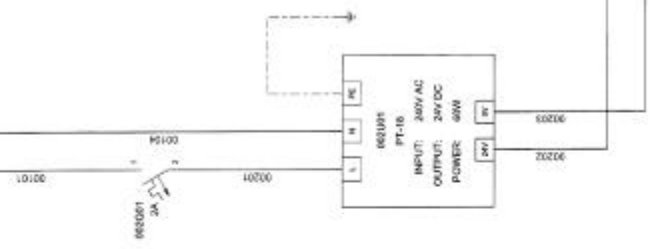
A

B

C

D

E



PAGE 06-1D
 PAGE 06-1D

REV	DATE	BY	DESCRIPTION	ECN NO.
E	10.01.2014	TD	UPDATED DRAWING REFERENCES	-
D	22.10.2013	TD	UPDATED DEVICE LIST	-
C	17.10.2013	TD	ADDITION OF DRAWING REFERENCES	-

MONO EQUIPMENT
 SWANSEA WEST IND. PARK
 SWANSEA
 SA5 4EB
 T: 01792 441034
 F: 01792 441033

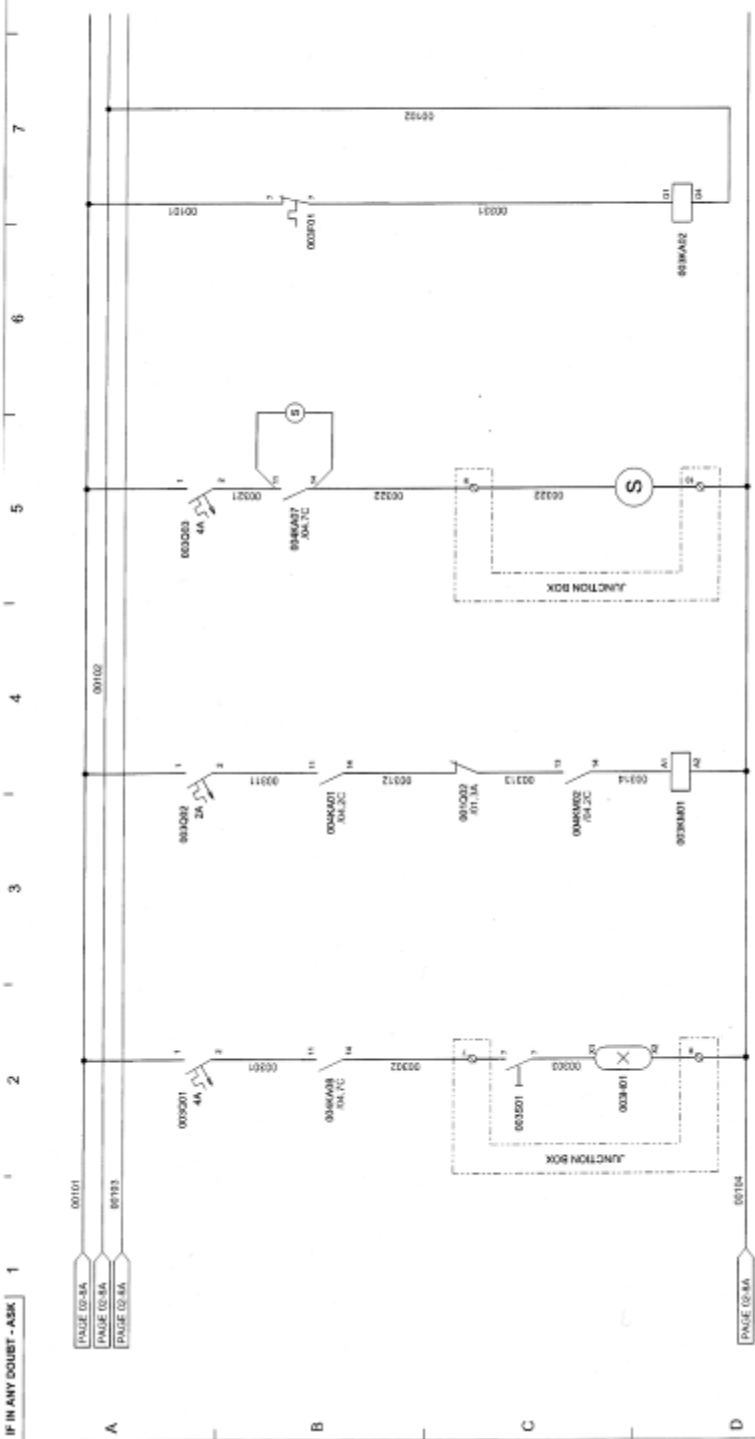
ELECTRICAL SPECIFICATIONS:
 DRAWN: TD
 DATE: 19.08.2013
 DRAWING NO: 164E25-40200
 REV: E
 DRAWING SET: C - Electrical Schematics 2 of 6

24V DC POWER SUPPLY

COPYRIGHT © 1988 - THIS DESIGN/DRAWING IS THE PROPERTY OF MONO EQUIPMENT LTD. AND MUST NOT BE REPRODUCED, COPIED, NOR ITS CONTENTS DIVULGED WITHOUT PRIOR WRITTEN PERMISSION.

IF IN ANY DOUBT - ASK 1

8



INTERIOR LIGHT
HEATER CONTACTOR
PUMP MOTOR
UNDERVOLTAGE RELEASE COIL ON MCCB

REV	NO	DATE	DESCRIPTION
E	01	01.20	UPDATED DRAWING REFERENCES
D	02	01.20	UPDATED DEVICE LIST
C	03	01.20	ADDITION OF DRAWING REFERENCES

MONO EQUIPMENT
1000 WEST 10TH AVE
SWANSEA WEST IND. PARK
SWANSEA, MA 01903
TEL: 508.734.0100
FAX: 508.734.0101

MONO

ELECTRICAL SPECIFICATIONS:
DRAWN: TD
DATE: 19.08.2013
DRAWING NO.: 164E25-40300
REV: E

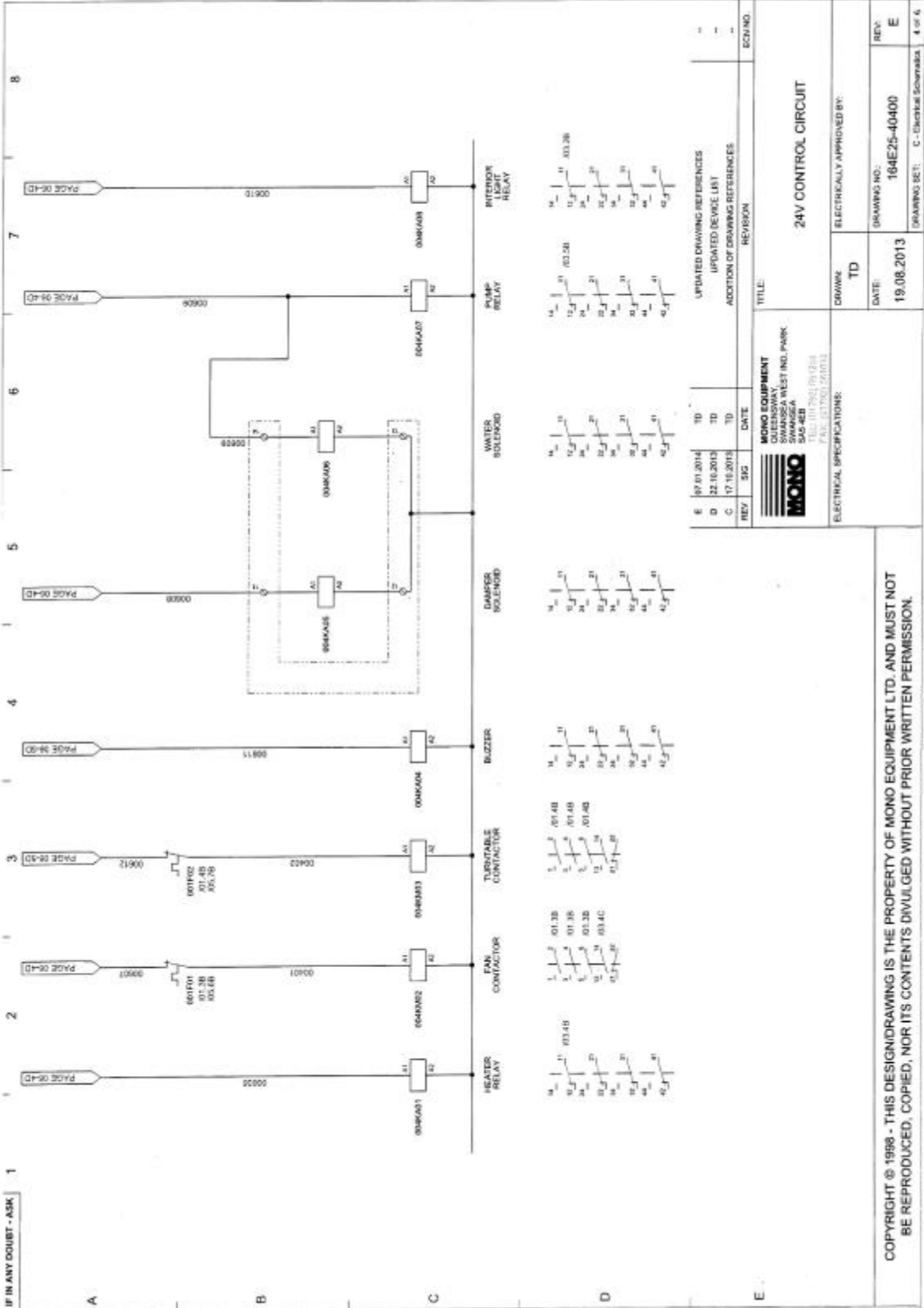
240V CONTROL CIRCUIT

ELECTRICALLY APPROVED BY:

REVISION

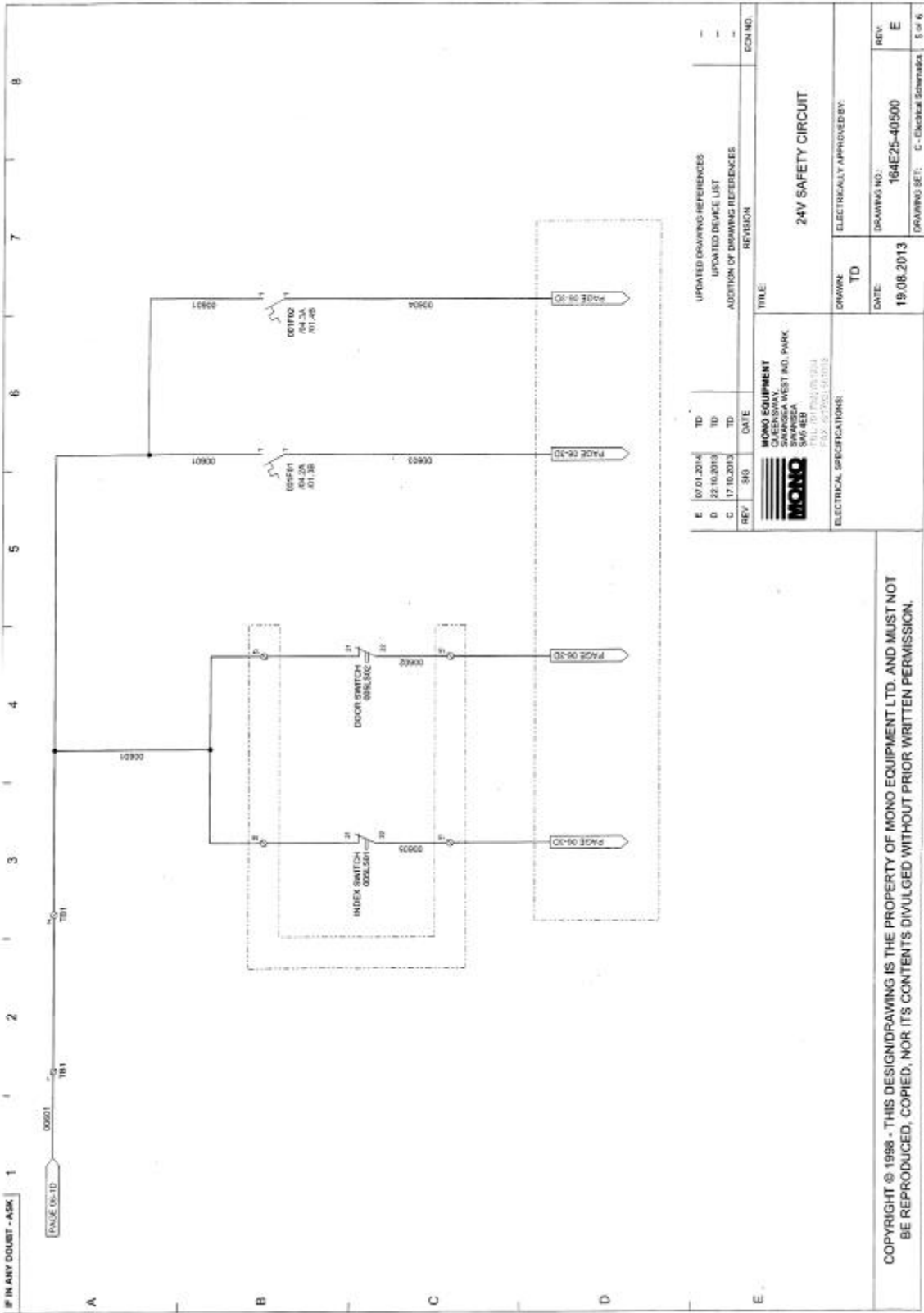
ECN NO.

COPYRIGHT © 1988 - THIS DESIGN/DRAWING IS THE PROPERTY OF MONO EQUIPMENT LTD. AND MUST NOT BE REPRODUCED, COPIED, NOR ITS CONTENTS DIVULGED WITHOUT PRIOR WRITTEN PERMISSION.



MONO EQUIPMENT SWANSEA WEST IND. PARK SWANSEA SIG 402 TEL: 01792 50184 FAX: 01792 50103		MONO	
ELECTRICAL SPECIFICATIONS:			
DRAWN: TD		ELECTRICALLY APPROVED BY:	
TITLE: 24V CONTROL CIRCUIT			
DATE: 19.08.2013		DRAWING NO.: 164E25-40400	
REV: E		DRAWING SET: C - Electrical Schemata	

COPYRIGHT © 1998 - THIS DESIGN/DRAWING IS THE PROPERTY OF MONO EQUIPMENT LTD. AND MUST NOT BE REPRODUCED, COPIED, NOR ITS CONTENTS DIVULGED WITHOUT PRIOR WRITTEN PERMISSION.



REV	SIG	DATE	DESCRIPTION	ECN NO.
E		07.01.2014	UPDATED DRAWING REFERENCES	-
D		22.10.2013	UPDATED DEVICE LIST	-
C		17.10.2013	ADDITION OF DRAWING REFERENCES	-

<p>MONO EQUIPMENT SWANSEA WEST IND. PARK SWANSEA SAW45B TEL: 01792 521314 FAX: 01792 521315</p>	<p>MONO EQUIPMENT SWANSEA WEST IND. PARK SWANSEA SAW45B TEL: 01792 521314 FAX: 01792 521315</p>
<p>ELECTRICAL SPECIFICATIONS:</p>	<p>ELECTRICALLY APPROVED BY:</p>
<p>DRAWN: TD</p>	<p>DATE: 19.08.2013</p>
<p>DRAWING NO.: 164E25-40500</p>	<p>REV: E</p>
<p>DRAWING SET: C - Electrical Schematics</p>	<p>5 of 6</p>

MONO EQUIPMENT
 SWANSEA WEST IND. PARK
 SWANSEA
 SAW45B
 TEL: 01792 521314
 FAX: 01792 521315

ELECTRICAL SPECIFICATIONS:

ELECTRICALLY APPROVED BY:

DRAWN: TD

DATE: 19.08.2013

DRAWING NO.: 164E25-40500

REV: E

DRAWING SET: C - Electrical Schematics

5 of 6

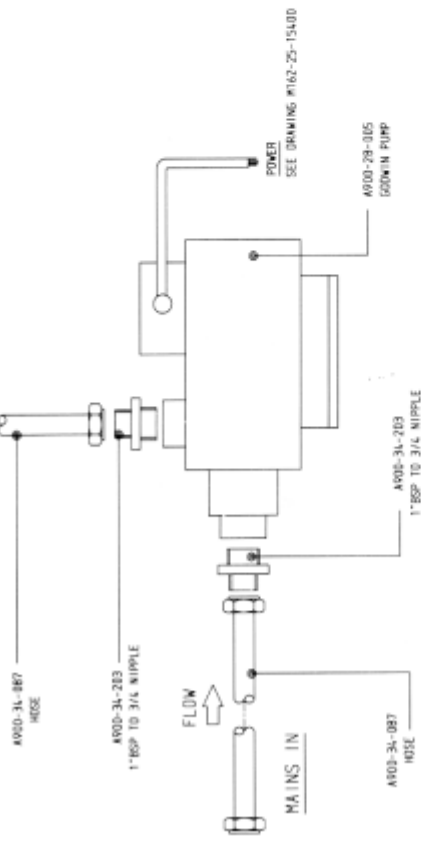
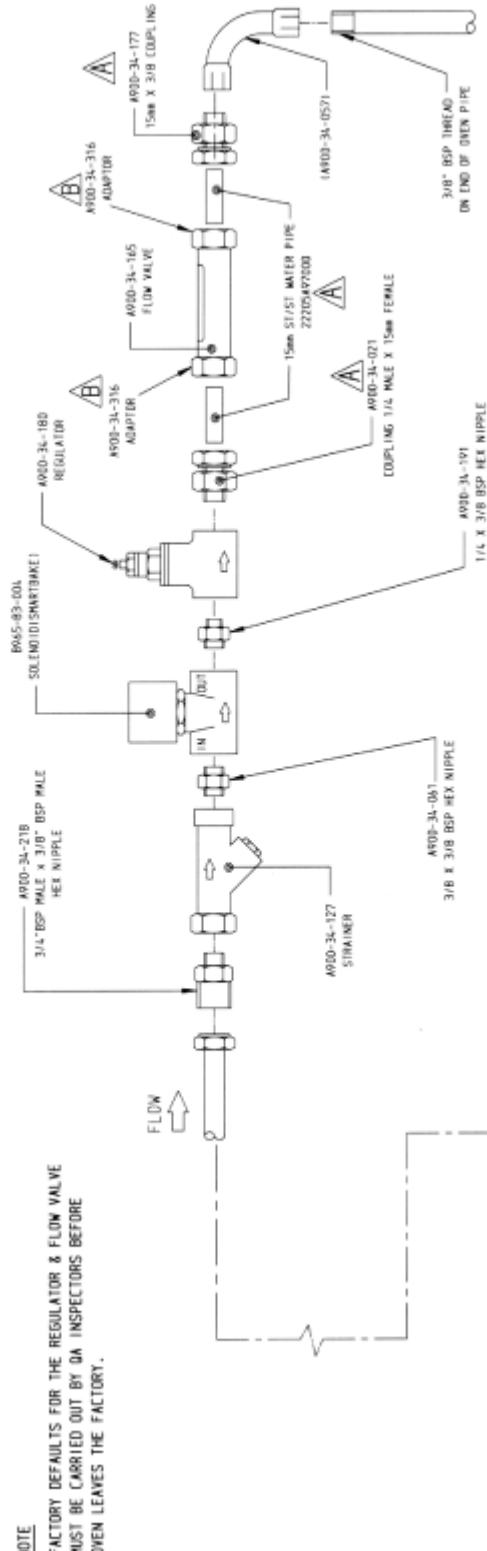
COPYRIGHT © 1988 - THIS DESIGN/DRAWING IS THE PROPERTY OF MONO EQUIPMENT LTD. AND MUST NOT BE REPRODUCED, COPIED, NOR ITS CONTENTS DIVULGED WITHOUT PRIOR WRITTEN PERMISSION.

DO NOT SCALE - IF IN DOUBT ASK

ALL DIMENSIONS IN mm UNLESS OTHERWISE STATED

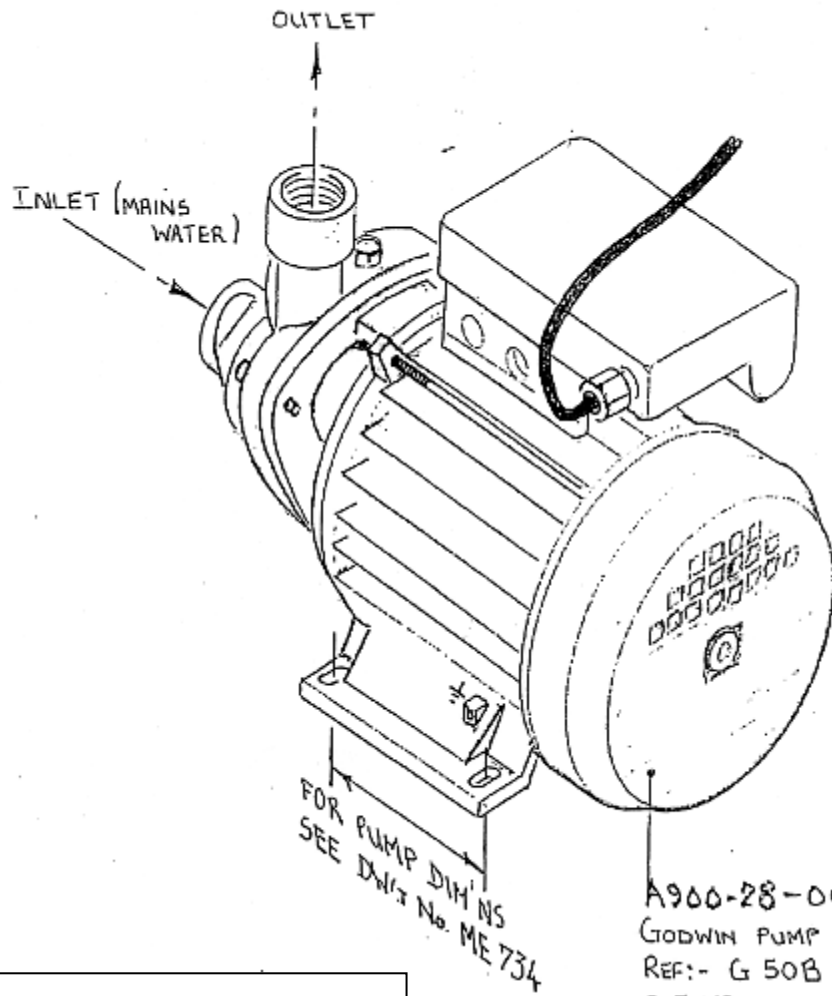
NOTE

FACTORY DEFAULTS FOR THE REGULATOR & FLOW VALVE MUST BE CARRIED OUT BY QA INSPECTORS BEFORE OVEN LEAVES THE FACTORY.

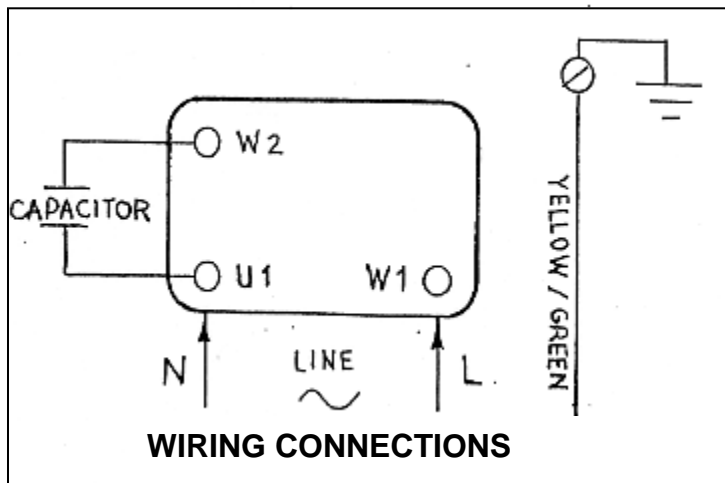


REV	SIG	DATE	REVISION	ECN NO.
B	RJJ	151104	A900-34-316 x 2 ADDED	2350
A	RJJ	150103	15mm ST/ST WATER PIPE ADDED A900-34-177 WAS A900-34-061 A900-34-021 WAS A900-34-191 A900-34-219 REMOVED	1922

MONO EQUIPMENT SWANSEA WEST IND PARK SWANSEA SA5 4EB. TEL: (01792) 581234 FAX: (01792) 581018		TITLE: MXE/MXN WATER INLET COMPONENTS TESCO OVEN (WITH PUMP)	
MATL: SEE ABOVE		DRAWING SCALE: NTS	
MATL QTY:		SCALE:	
FINISH: ALL JOINTS MUST BE VAS		DRAWING NO.: M164-01-03000	
REMOVE ALL BURRS & SHARP EDGES - ON SHEET METAL PARTS EXTERNAL CORNERS TO BE SAFETY RADIUSED 2mm UNLESS STATED OTHERWISE		PURCHASE ORDER NO. WORKS ORDER NO.	
SURFACE MACHINING: 1/2 COARSE FINISH 1/4 MEDIUM FINISH 1/8 FINE FINISH 1/16 GRIND FINISH		DRAWING DATE: 3-7-2010	
OPEN TOL: 150 & BELOW ±.5 OVER 150 ±1.0 DECIMAL DIMS: .75 & BELOW ±.25 TO 300±.4 300 TO 600±1.0 OVER 600±1.0		FINISH: 1/4 W/SL	
COPYRIGHT © 1998 - THIS DESIGN/DRAWING IS THE PROPERTY OF MONO EQUIPMENT LTD. AND MUST NOT BE REPRODUCED, COPIED, OR ITS CONTENTS DISCLOSED WITHOUT PRIOR WRITTEN PERMISSION.		DRAWING SCALE: NTS	



A900-28-005
 GODWIN PUMP
 REF:- G 50B
 0.5 HP
 240V-50Hz-1PH
 2850 RPM 2-4 AMPS



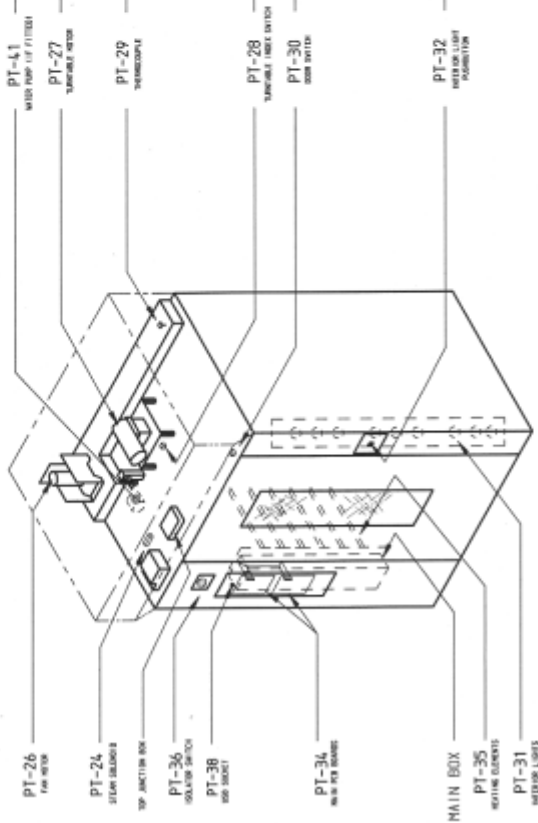
WATER PUMP (GODWIN) DIAGRAM (IF FITTED)



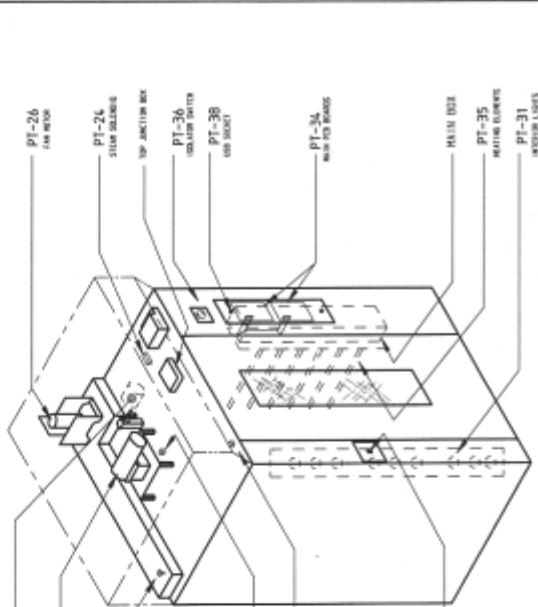
17.0 SPARES

IF IN ANY DOUBT - ASK

R.H. OVEN



L.H. OVEN




REV	SIG	DATE	REVISION	ECN NO.
<p>MONO EQUIPMENT QUEENSWAY SWANSEA WEST IND PARK SWANSEA, SAS 4EB. TEL: (01782) 561234 FAX: (01782) 561016</p>			<p>TITLE: MXT MAIN COMPONENTS LAYOUT</p>	
<p>ELECTRICAL SPECIFICATIONS:- 4.15V 3PH 50HZ</p>			<p>DRAWN: JC/RAC</p>	
<p>DATE: 23-03-12</p>			<p>ELECTRICALLY APPROVED BY:-</p>	
<p>REV: 1 of 2</p>			<p>DRAWING NO. M164E25-36100</p>	

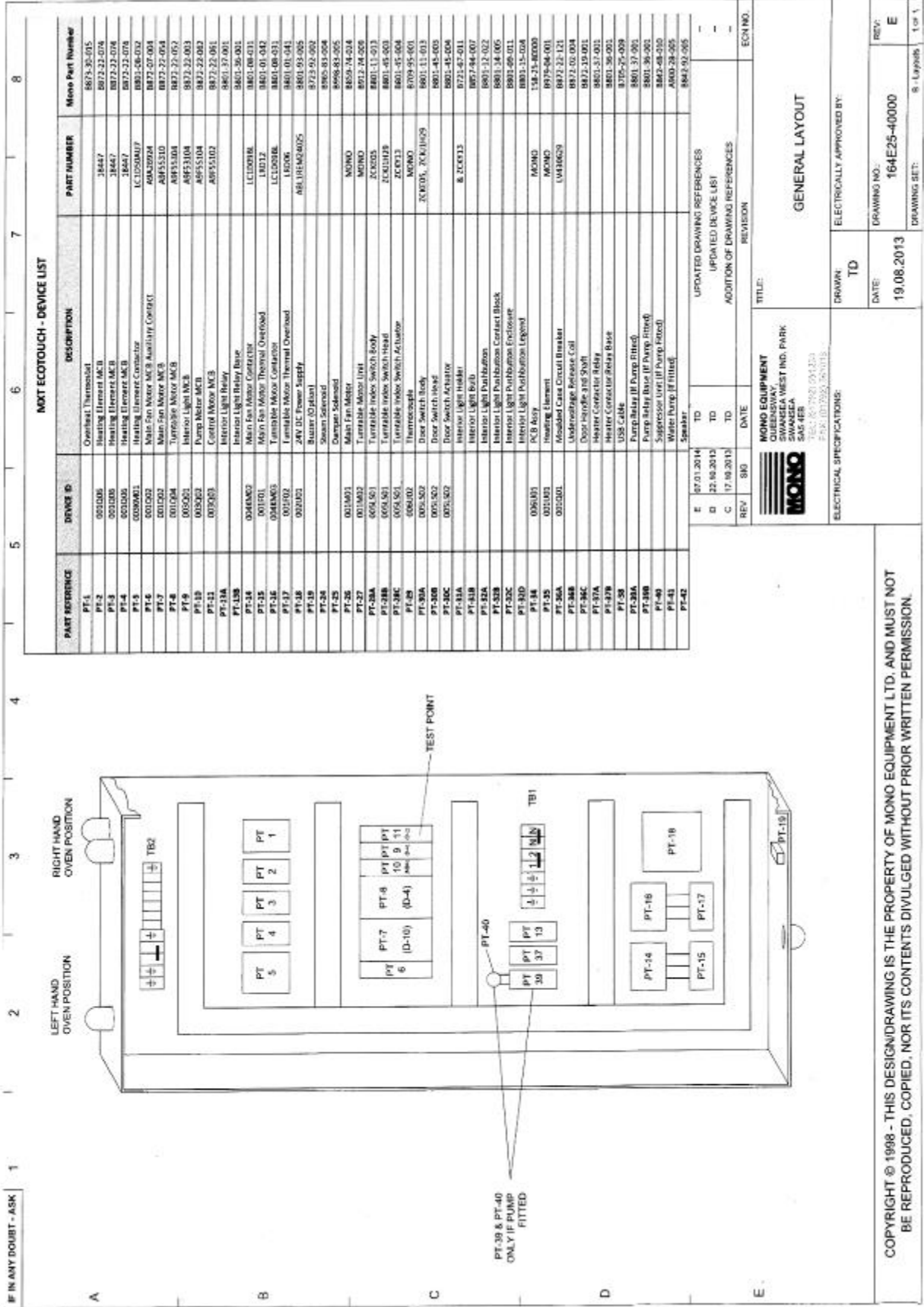
COPYRIGHT © 1998 - THIS DESIGN/DRAWING IS THE PROPERTY OF MONO EQUIPMENT LTD. AND MUST NOT BE REPRODUCED, COPIED, NOR ITS CONTENTS DIVULGED WITHOUT PRIOR WRITTEN PERMISSION.

IF IN ANY DOUBT - ASK

DRAWING PT-Ref	DESCRIPTION	MONO PART NUMBER	DRAWING PT-Ref	DESCRIPTION	MONO PART NUMBER
PT-1	OVERHEAT THERMOSTAT	8873-30-015	PT-31A	INTERIOR LIGHT HOLDER.	8721-67-011
PT-2	HEATING ELEMENT MCB.	8872-22-074	PT-31B	INTERIOR LIGHT BULB.	8857-94-007
PT-3	HEATING ELEMENT MCB.	8872-22-074	PT-32A	INTERIOR LIGHT PUSHBUTTON.	8801-12-022
PT-4	HEATING ELEMENT MCB.	8872-22-074	PT-32B	INTERIOR LIGHT PUSHBUTTON CONTACT BLOCK	8801-14-005
PT-5	HEATING ELEMENT CONTACTOR	8801-08-032	PT-32C	INTERIOR LIGHT PUSHBUTTON ENCLOSURE.	8801-09-011
PT-6	MAIN FAN MOTOR MCB AUXILIARY CONTACT	8872-07-004	PT-32D	INTERIOR LIGHT PUSHBUTTON LEGEND.	8801-15-024
PT-7	MAIN FAN MOTOR MCB.	8872-22-054	PT-34	PCB ASSY	158-25-80000
PT-8	TURNTABLE MOTOR MCB.	8872-22-052	PT-35	HEATING ELEMENT.	8979-04-001
PT-9	INTERIOR LIGHT MCB.	8872-22-003	PT-36A	MOULDED CASE CIRCUIT BREAKER.	8872-22-078
PT-10	PUMP MOTOR MCB.	8872-22-062	PT-36B	UNDervOLTAGE RELEASE COIL.	8872-02-002
PT-11	CONTROL MOTOR MCB.	8872-22-061	PT-36C	DOOR HANDLE AND SHAFT.	8872-19-001
PT-13A	INTERIOR LIGHT RELAY.	8801-37-001	PT-37A	HEATER CONTACTOR RELAY.	8801-37-001
PT-13B	INTERIOR LIGHT RELAY BASE.	8801-36-001	PT-37B	HEATER CONTACTOR RELAY BASE.	8801-36-001
PT-14	MAIN FAN MOTOR CONTACTOR.	8801-08-031	PT-38	USB CABLE	8705-25-009
PT-15	MAIN FAN MOTOR THERMAL OVERLOAD.	8801-01-042	PT-39a	PUMP RELAY (IF PUMP FITTED)	8801-37-001
PT-16	TURNTABLE MOTOR CONTACTOR.	8801-08-031	PT-39b	PUMP RELAY BASE (IF PUMP FITTED).	8801-36-001
PT-17	TURNTABLE MOTOR THERMAL OVERLOAD.	8801-01-041	PT-40	SUPPRESSOR UNIT (IF PUMP FITTED).	8842-48-010
PT-18	24V DC POWER SUPPLY.	8801-93-005	PT-41	WATER PUMP (IF FITTED).	A900-28-005
PT-19	BUZZER (OPTION)	8723-92-002	PT-42	SPEAKER	8842-92-005
PT-24	STEAM SOLENOID.	8965-83-004			
PT-25	DAMPER SOLENOID.	8998-83-005			
PT-26	MAIN FAN MOTOR.	8859-74-024			
PT-27	TURNTABLE MOTOR UNIT.	8912-74-009			
PT-28A	TURNTABLE INDEX SWITCH BODY.	8801-11-013			
PT-28B	TURNTABLE INDEX SWITCH HEAD.	8801-45-003			
PT-28C	TURNTABLE INDEX SWITCH ACTUATOR.	8801-45-004			
PT-29	THERMOCOUPLE.	8709-95-001			
PT-30A	DOOR SWITCH BODY.	8801-11-013			
PT-30B	DOOR SWITCH HEAD.	8801-45-003			
PT-30C	DOOR SWITCH ACTUATOR.	8801-45-004			

COPYRIGHT © 1998 - THIS DESIGN/DRAWING IS THE PROPERTY OF MONO EQUIPMENT LTD. AND MUST NOT BE REPRODUCED, COPIED, NOR ITS CONTENTS DISCLOSED WITHOUT PRIOR WRITTEN PERMISSION.

REV	BIG	DATE	REVISION	ECN NO.
 MONO EQUIPMENT QUEENSWAY SWANSEA WEST IND PARK SWANSEA, SA6 4EB. TEL: (01792) 581234 FAX: (01792) 381018			TITLE: COMPONENT PART LIST FOR HXT COLOURSMART OVEN	
ELECTRICAL SPECIFICATIONS:-			DRAWN:	ELECTRICALLY APPROVED BY:-
			JC/RAC	
			DATE:	DRAWING NO.
			26-03-12	M164E25-36100
				SHT 2 of 2
				REV: --



PART REFERENCE	DEVICE ID	DESCRIPTION	PART NUMBER	Mono Part Number
PT-1		Overheat Thermistor		8673-35-015
PT-2	001008	Heating Element MCB	34447	8673-22-074
PT-3	001008	Heating Element MCB	34447	8673-22-074
PT-4	001008	Heating Element MCB	34447	8673-22-074
PT-5	00090811	Heating Element Connector	IC1050M17	8681-56-072
PT-6	001002	Main Fan Motor MCB Auxiliary Contact	AMA200A	8673-07-004
PT-7	001004	Main Fan Motor MCB	AMP5510	8673-22-054
PT-8	001004	Tumble Motor MCB	AMP5510A	8673-22-054
PT-9	001002	Interior Light MCB	AMP510A	8673-22-053
PT-10	001003	Pump Motor MCB	AMP5510A	8673-22-053
PT-11	001003	Control Motor MCB	AMP510D	8673-22-051
PT-12A		Interior Light Relay	8673-22-051	8673-22-051
PT-13		Interior Light Relay Base	8673-22-051	8673-22-051
PT-14	0046A02	Main Fan Motor Connector	IC100016	8681-06-031
PT-15	001001	Main Fan Motor Thermal Overload	10012	8681-01-042
PT-16	0046A05	Tumble Motor Connector	IC100016	8681-06-031
PT-17	001002	Tumble Motor Thermal Overload	10006	8681-01-041
PT-18	001001	24V DC Power Supply	AB116M0005	8681-01-045
PT-19		Blower (Internal)		8712-92-002
PT-20		Steam Solenoid		8765-81-004
PT-21		Dampers Solenoid		8696-82-005
PT-22	001A051	Main Fan Motor	MONO	8659-74-024
PT-23	001A052	Tumble Motor Unit	MONO	8612-74-008
PT-24	001A053	Tumble Motor Switch Body	20005	8681-11-013
PT-25	001A054	Tumble Motor Switch Head	ZCKL012B	8681-48-003
PT-26	001A055	Tumble Motor Switch Actuator	ZCK013	8681-45-004
PT-27	001A056	Thermopile	MONO	8709-95-001
PT-28	001A057	Door Switch Body	ZCK013, ZCK012B	8681-11-013
PT-29	001A058	Door Switch Head	MONO	8681-45-005
PT-30	001A059	Door Switch Actuator	8681-45-005	8681-45-005
PT-31	001A060	Interior Light Holder	8673-47-011	8673-47-011
PT-32	001A061	Interior Light Bulb	8673-47-011	8673-47-011
PT-33	001A062	Interior Light Distribution	8681-12-022	8681-12-022
PT-34	001A063	Interior Light Distribution Contact Block	8681-14-005	8681-14-005
PT-35	001A064	Interior Light Distribution Enclosure	8681-49-011	8681-49-011
PT-36	001A065	Interior Light Distribution Legend	MONO	8681-12-024
PT-37	001A066	PCB Relay	MONO	158-75-00200
PT-38	001A067	Heating Element	MONO	8675-04-001
PT-39	001A068	Moulded Case Circuit Breaker	(VA18629)	8673-22-121
PT-40	001A069	Underdrain Release Coil		8673-01-004
PT-41	001A070	Door Inhibit 1st Shift		8681-14-001
PT-42	001A071	Heater Connector Relay		8681-36-001
PT-43	001A072	Heater Connector Relay Base		8681-36-001
PT-44	001A073	US Cable		8175-25-008
PT-45	001A074	Pump Motor (If Pump Fitted)		8681-37-001
PT-46	001A075	Pump Relay Motor (If Pump Fitted)		8681-37-001
PT-47	001A076	Suppressor Unit (If Pump Fitted)		8681-39-001
PT-48	001A077	Water Pump (If Fitted)		8681-39-001
PT-49	001A078	Speaker		8681-39-001

IF IN ANY DOUBT - ASK 1 2 3 4 5 6 7 8

REV: E 07.01.2014 TD UPDATED DRAWING REFERENCES
 D 22.10.2013 TD UPDATED DEVICE LIST
 C 17.10.2013 TD ADDITION OF DRAWING REFERENCES

REVISION

TITLE: GENERAL LAYOUT

MONO EQUIPMENT
 QUEENSWAY,
 SWANSEA WEST IND. PARK
 SWANSEA, SA5 4EB
 TEL: 01792 04123
 FAX: 01792 30113

ELECTRICAL SPECIFICATIONS:

DRAWN: TD
 DATE: 19.08.2013
 DRAWING NO: 164E25-40000
 REV: E

ELECTRICALLY APPROVED BY:

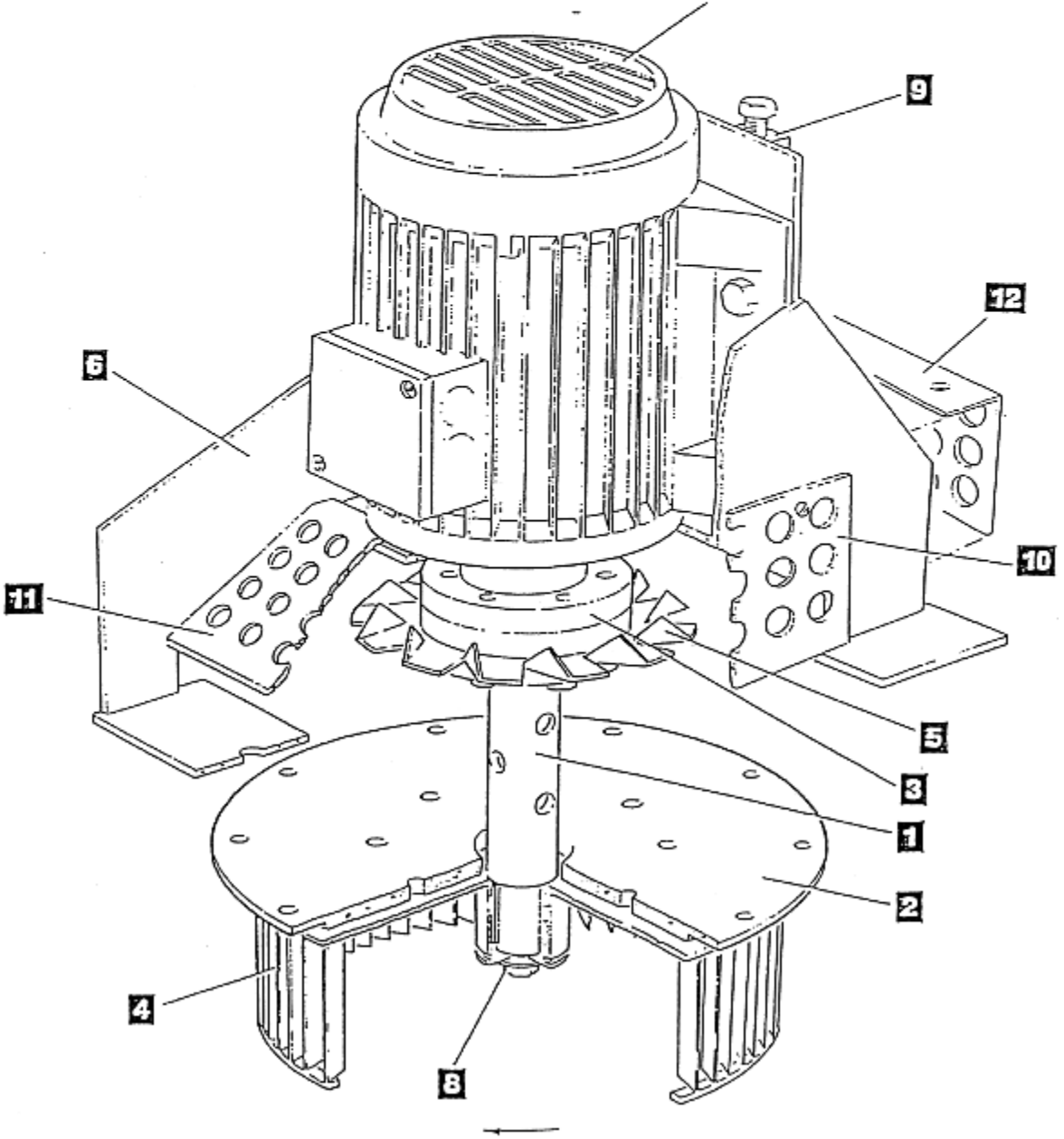
8 - Layouts 1 of 1

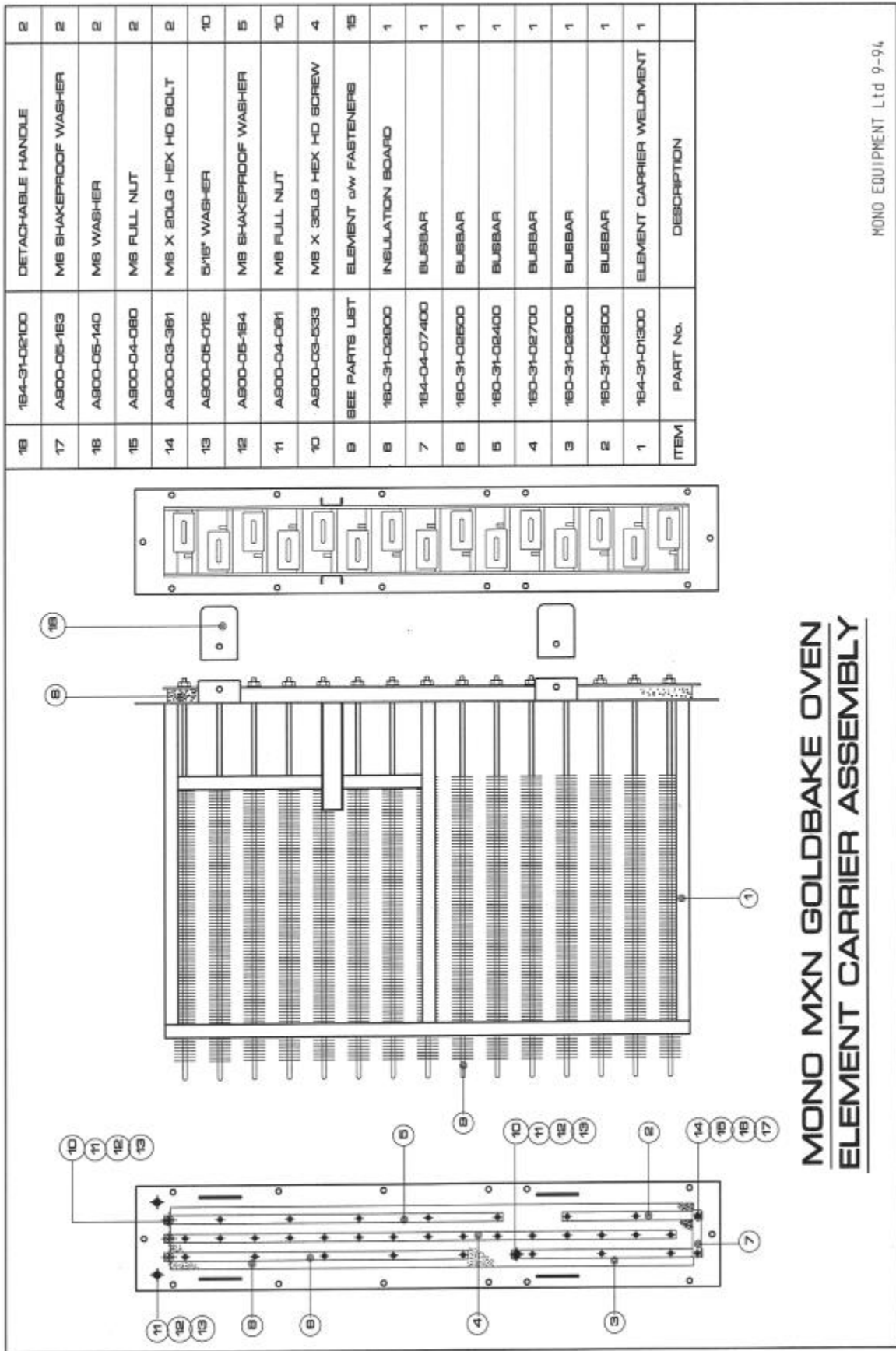
MONO

Copyright © 1988 - THIS DESIGN/DRAWING IS THE PROPERTY OF MONO EQUIPMENT LTD. AND MUST NOT BE REPRODUCED, COPIED, NOR ITS CONTENTS DIVULGED WITHOUT PRIOR WRITTEN PERMISSION.

MAIN FAN ASSEMBLY FOR MXN SMARTBAKE OVEN

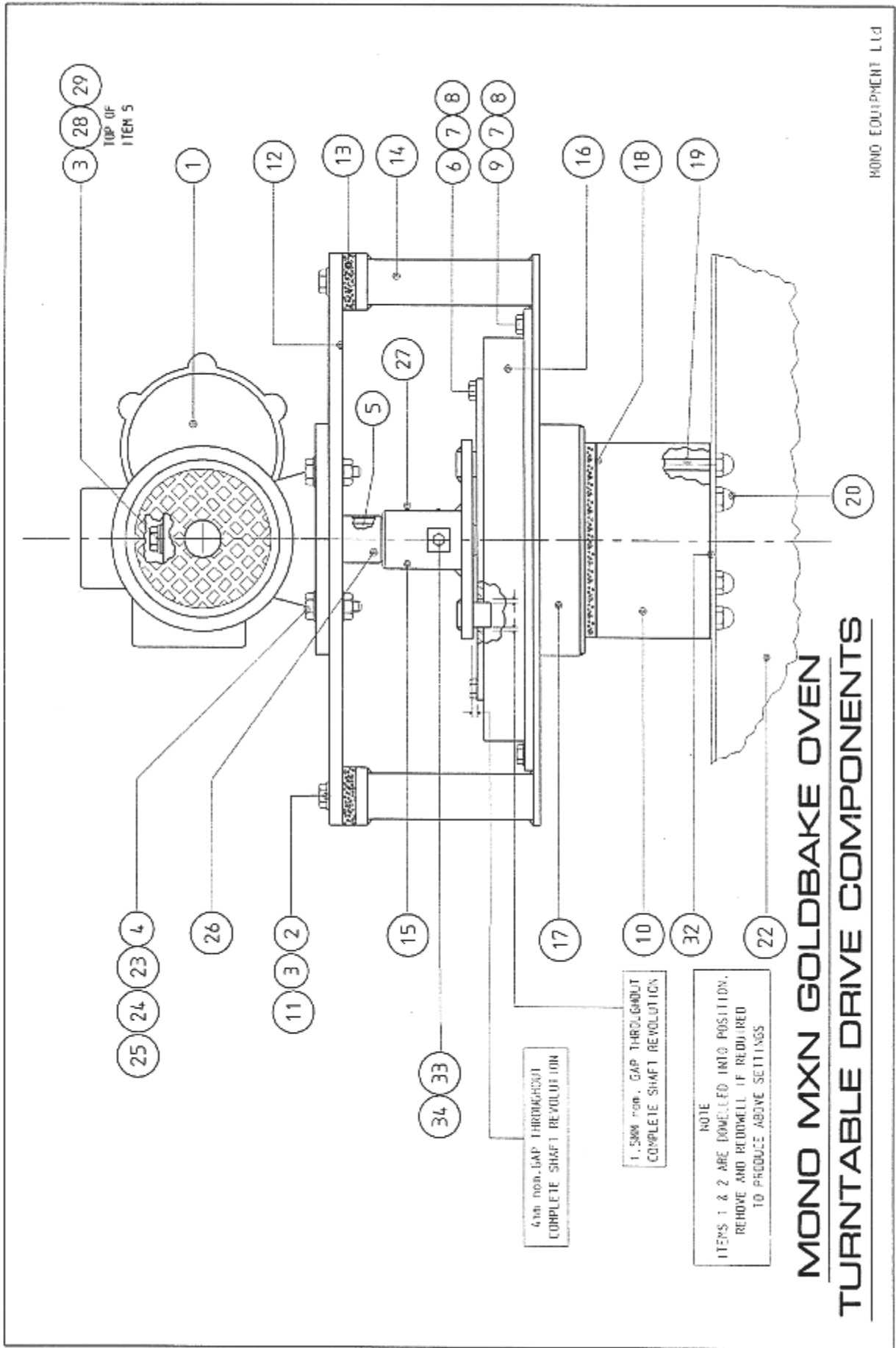
ITEM NO.	DESCRIPTION	PART NO.	QTY PER ASSY
1	Fan Shaft (Lower)	160-14-01700	1
2	Lower Fan Access Cover	160-35-01000	1
3	Driving Flange	160-14-10000	1
4	Main Fan	A900-27-049	1
5	Cooling Fan	160-14-02400	1
6	Fan Support Bracket	160-35-00500	1
7	Motor	B859-74-024	1
8	Retaining Washer	160-14-10100	1
9	Motor Slip Plate Assembly	160-35-00100	1
10	Fan Guard Side	160-35-01500	2
11	Fan Guard Front	160-35-01600	1
12	Fan Guard Rear	160-35-01600	1





MONO EQUIPMENT Ltd 9-94

**MONO MXN GOLDBAKE OVEN
ELEMENT CARRIER ASSEMBLY**



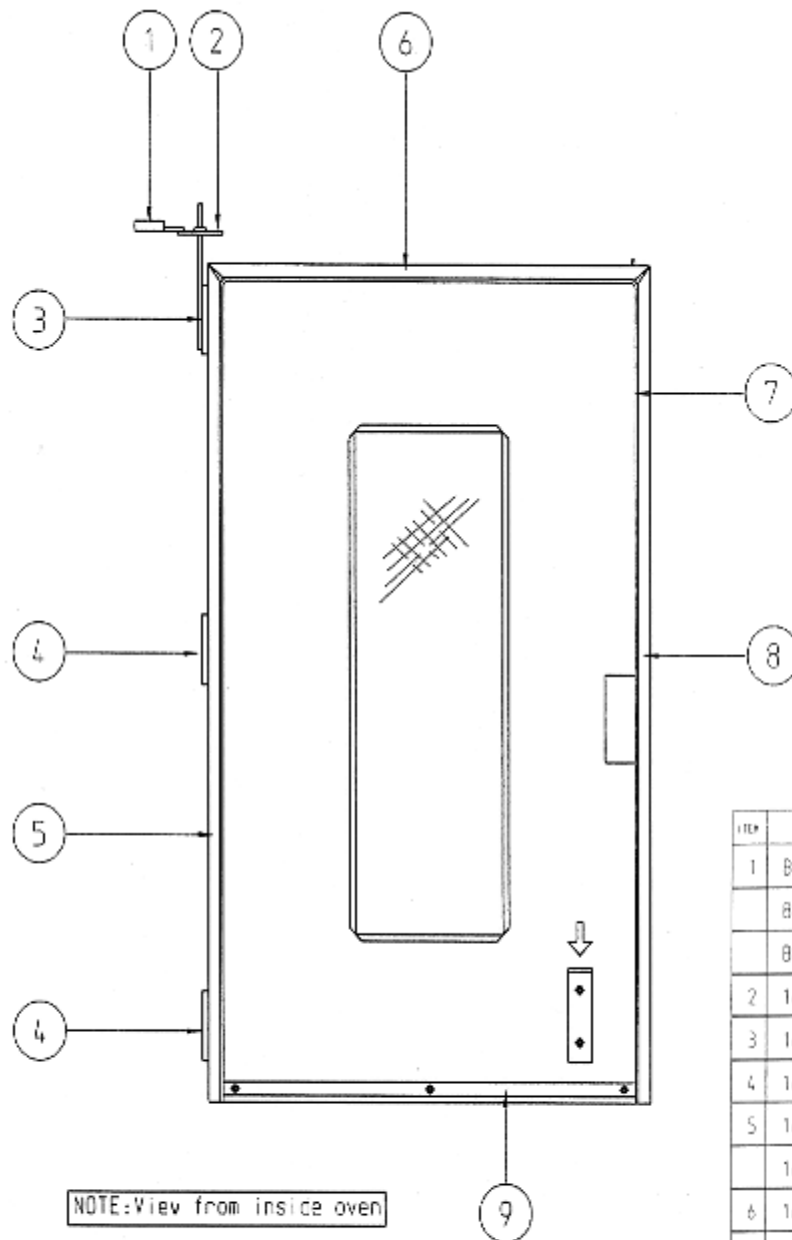
**MONO MXC GOLDBAKE OVEN TURNTABLE DRIVE
COMPONENTS DESCRIPTION**

(see drawing on previous page)

Item	Part no	Description	Qty
1	B912-74-009	Gearmotor unit (Varvel MRA70)	1
2	A900-05-143	M10 Plain washer	4
3	A900-05-142	M10 Spring washer	5
4	A900-03-387	M12 x 45LG Hex.Hd. setscrew	4
5	162-02-04100	Drive shaft assy (shaft key pin)	1
6	A900-03-383	M8 x 25LG Hex.Hd.setscrew	8
7	A900-05-144	M8 Plain washer	16
8	A900-05-141	M8 Spring washer	16
9	A900-03-439	M8 x 50LG Hex.Hd.setscrew	8
10	160-36-01000	Turntable drive (lower)	1
11	A900-03-438	M10 x 45LG. Hex.Hd.setscrew	4
12	160-15-00600	Top plate	1
13	160-15-00700	Insulation packing piece	4
14	160-36-00100	Bearing support plate assy.	1
15	162-02-04400	Drive spider	1
16	160-36-00300	Turntable bearing	1
17	160-15-00800	Turntable drive (upper)	1
18	160-15-01400	Insulation disc	1
19	160-36-01100	M10 Stud	6
20	A900-04-096	M10 Dome nut	6
21			
22	160-36-00600	Rack hanger. (ref. only)	1
23	A900-05-022	½" Plain washer	8
24	A900-05-059	½" Spring washer	8
25	A900-04-084	M12 Nut	4
26	162-02-04300	Spacer	7
27	A900-03-436	M6 x 10LG Grub screw	2
28	162-02-045	Washer (drive shaft)	1
29	A900-03-395	M10 x 16LG hex.Ho. setscrew	1
30	160-35-02000	Direction of rotation label	1
31	A900-03-628	M4 x 6LG slotted pan ho. screw	2
32	160-40-06102	Packing shim for rack hanger (14swg)as required	
	160-40-06103	-----"----- (20swg)-----"	
33	A900-03-360	M6 x 12LG Hex.Hd. setscrew	1
34	A900-05-163	M6 Shakeproof washer	1

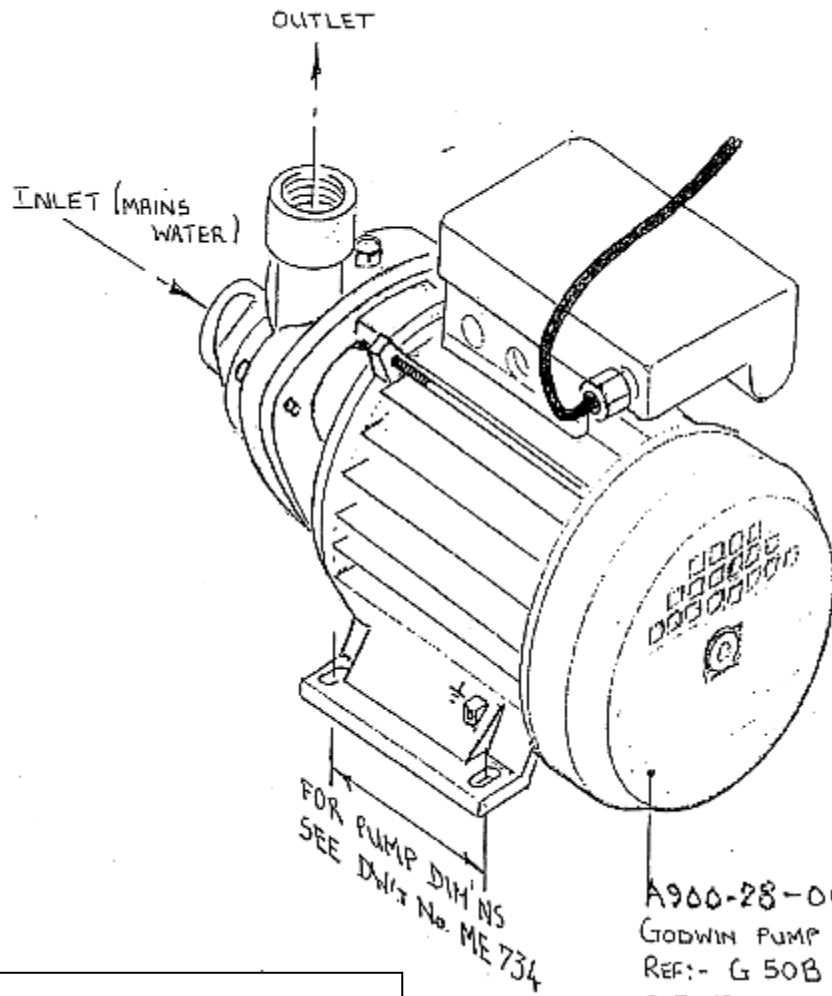
ROPE SEAL PT No. A900-32-016 (NOT SHOWN)

RUBBER SEAL PT No. A900-12-060 (NOT SHOWN)

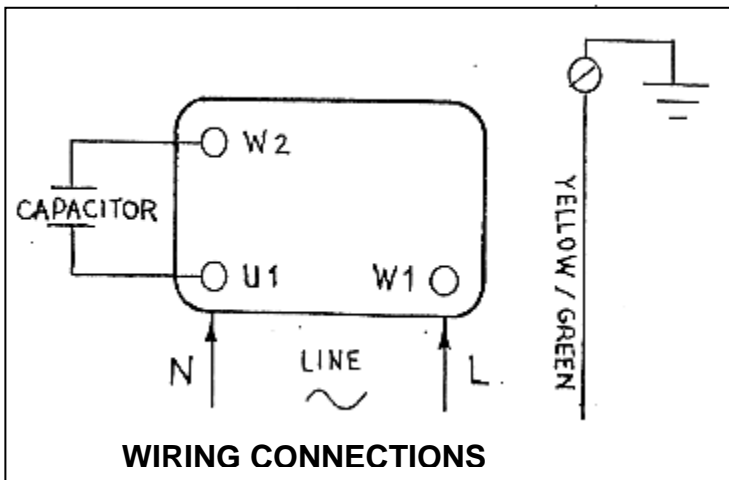


ITEM	PART NO.	DESCRIPTION	QTY
1	8801-11-013	SWITCH	1
	8801-45-003	OPERATING HEAD	1
	8801-45-004	OPERATING LEVER	1
2	160-06-02200	CAM	1
3	160-06-06700	TOP HINGE	1
4	160-06-08500	MIDDLE & BOTTOM HINGE	2
5	160-06-07101	INNER CLAMP	1
	160-06-07001	OUTER CLAMP	1
6	160-06-07300	INNER CLAMP	1
	160-06-07200	OUTER CLAMP	1
7	A900-12-037	"P" SEAL	1
8	160-06-07100	INNER CLAMP	1
	160-06-07000	OUTER CLAMP	1
9	160-48-06400	BOTTOM CLAMP	1
	160-48-06000	BOTTOM SEAL	1

MAIN DOOR COMPONENTS



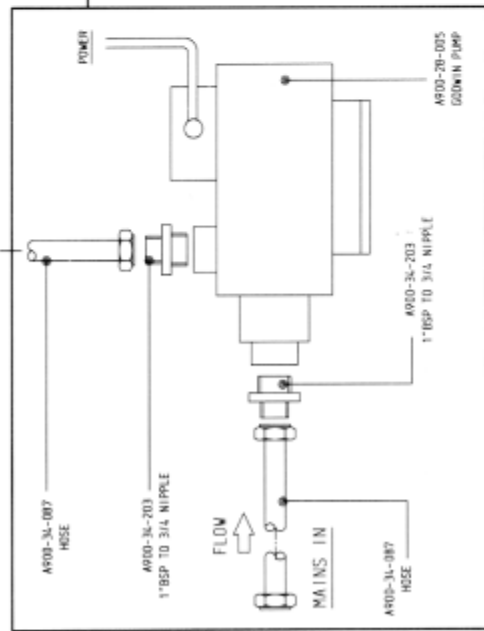
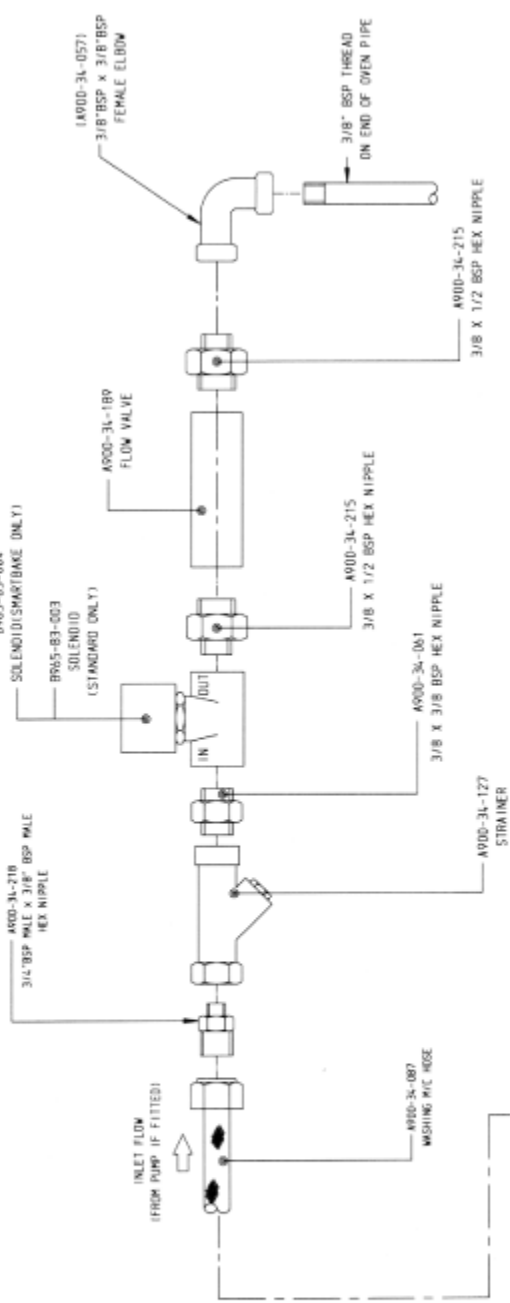
A900-28-005
 GODWIN PUMP
 REF:- G 50B
 0.5 HP
 240V - 50Hz - 1PH
 2850 RPM 2-4 AMPS



WATER PUMP (GODWIN) DIAGRAM
 (IF FITTED)

DO NOT SCALE - IF IN DOUBT ASK

ALL DIMENSIONS IN mm UNLESS OTHERWISE STATED



IF FITTED

REV	BIG	DATE	DESCRIPTION	REVISION	ECN NO.
A	S.P.	11-2-98	PIPE FITTINGS CHANGED		06/43

MONO EQUIPMENT QUEENSWAY SWANSEA WEST IND PARK SWANSEA, SA. 8145 4E16 TEL: (01792) 561234 FAX: (01792) 561016		TITLE: MXE/MXN OVEN - STANDARD MODEL WATER INLET COMPONENTS	
MATL:	...	DRAWN:	RAC
MATL QTY:	...	DATE:	16-12-96
FINISH:	...	DRAWING NO.:	M164-01-02300
		DRAWING SCALE:	NTS
		DRAWING SIZE:	A3
		WORKS ORDER NO.:	
		REV:	A

REMOVE ALL BURRS & SHARP EDGES - ON SHEET METAL PARTS EXTERNAL CORNERS TO BE SAFETY RADIUSED 2mm UNLESS STATED OTHERWISE

SURFACE MACHINING, $\frac{1}{16}$ \"/>

OPEN TOL. $\pm .150$ & BELOW $\pm .5$, OVER 150 ± 1.0 DECIMAL DIMS. $\pm .25$, $\pm .75$ TO 300 $\pm .4$, 300 TO 600 $\pm .5$, OVER 600 ± 1.0

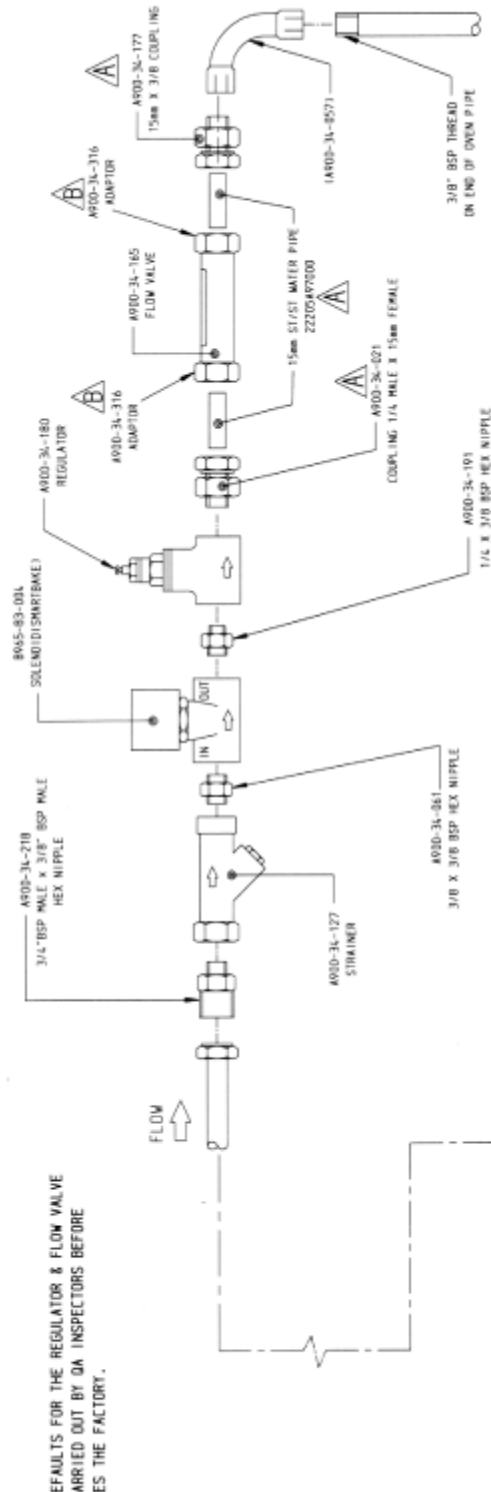
COPYRIGHT © 1998 - THIS DESIGN/DRAWING IS THE PROPERTY OF MONO EQUIPMENT LTD. NO PART NOT BE REPRODUCED, COPIED, OR ITS CONTENTS DIVULGED WITHOUT PRIOR WRITTEN PERMISSION.

DO NOT SCALE - IF IN DOUBT ASK

ALL DIMENSIONS IN mm UNLESS OTHERWISE STATED

NOTE

FACTORY DEFAULTS FOR THE REGULATOR & FLOW VALVE MUST BE CARRIED OUT BY QA INSPECTORS BEFORE OVEN LEAVES THE FACTORY.



REV	SIG	DATE	REVISION	ECN NO.
B	RJJ	151104	A900-34-316 x 2 ADDED	2350
A	RJJ	150103	15mm ST/ST WATER PIPE ADDED A900-34-177 WAS A900-34-061 A900-34-021 WAS A900-34-191 A900-34-219 REMOVED	1922

MONO EQUIPMENT QUEENSWAY SWANSEA WEST IND PARK SWANSEA, GLASGOW, PAK	TITLE: MXE/MXN WATER INLET COMPONENTS TESCO OVEN (WITH PUMP)
TEL: (01792) 581234 FAX: (01792) 581016	
MATL: SEE ABOVE	
NO. REQ:	DATE: 3-2-98
QTY:	SCALE: NTS
	PURCHASE ORDER NO. WORKS ORDER NO.

REMOVE ALL BURRS & SHARP EDGES - ON SHEET METAL PARTS EXTERNAL CORNERS TO BE SAFETY RADIOUSED 2mm UNLESS STATED OTHERWISE

SURFACE FINISHING: $\frac{1}{16}$ " COARSE FINISH, $\frac{1}{32}$ " MEDIUM FINISH, $\frac{1}{64}$ " FINE FINISH, $\frac{1}{128}$ " GROUND FINISH

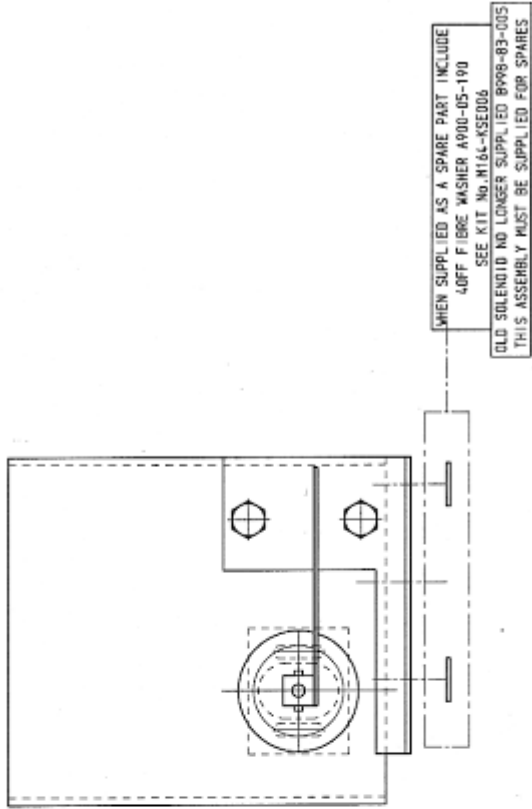
OPEN TOL. ± 0.150 & BELOW ± 0.075 OVER 150 ± 0.10 DECIMAL DIMS. ± 0.25 & BELOW ± 0.125 TO 300 ± 0.30 OVER 300 ± 0.40 OVER 600 ± 0.50

COPYRIGHT © 1998 - THIS DESIGN/DRAWING IS THE PROPERTY OF MONO EQUIPMENT LTD. AND MUST NOT BE REPRODUCED, COPIED, NEK ITS CONTENTS CYPRILED WITHOUT PRIOR WRITTEN PERMISSION.

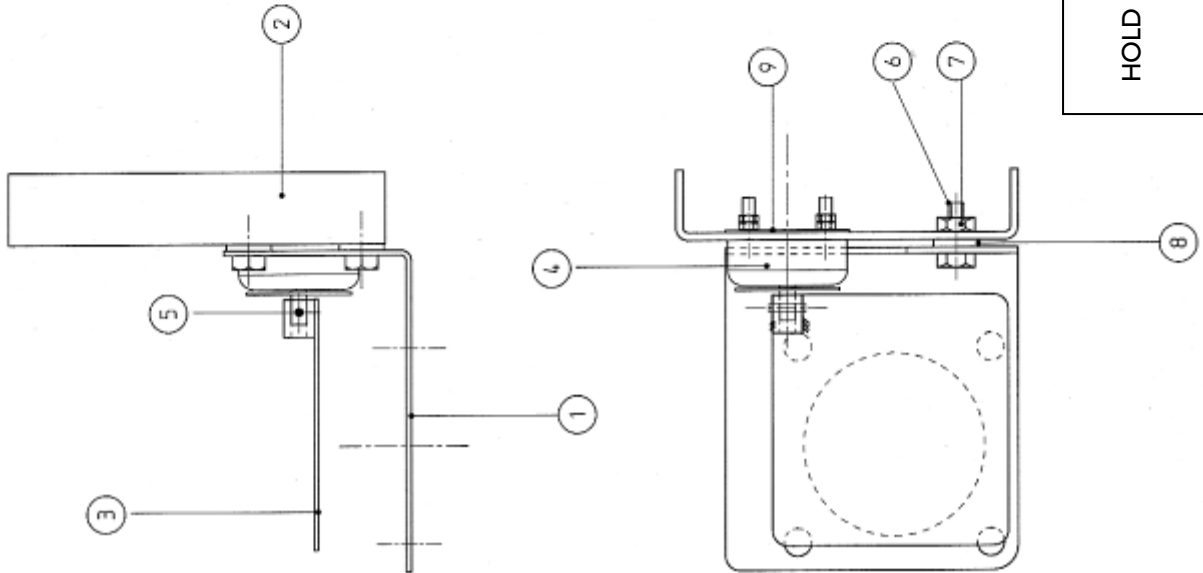
$\frac{1}{4}$ " ANGLE

DRAWING NO. M164-01-03000	REVISION B
------------------------------	---------------

DAMPER ASSEMBLY

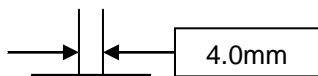
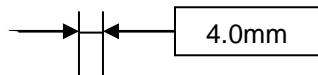
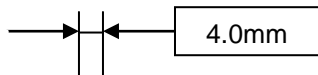
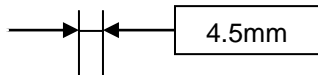
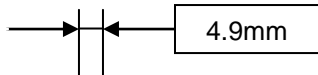
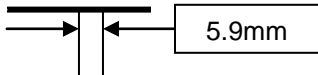
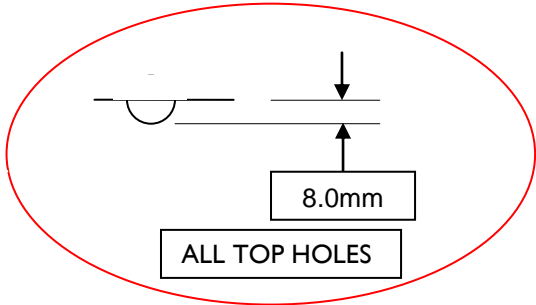


ITEM	PART NUMBER	DESCRIPTION	QTY
1	M160-38-03100	BASE BRACKET	1
2	M160-38-03200	SOLENOID BRACKET	1
3	M160-38-03300	DAMPER FLAP	1
4	B749-83-004	SOLENOID	1
5	A900-01-197	PIN	1
6	A900-03-532	M8 X 20 HEX HEAD	2
7	A900-04-143	M8 BIMX	2
8	M145-03-11300	FIBRE WASHER	2
9	M164-38-03400	WASHER PLATE	1



LOOSEN SOLENOID FIXINGS.
HOLD DAMPER FLAP (3) FLAT ON TOP OF DAMPER
TUBE AND TIGHTEN SOLENOID.

MX OVEN AIR DOOR DEFAULT SETTINGS





MONO Equipment

Queensway, Swansea West Industrial Park, Swansea, SA5 4EB UK
Tel. 01792 561234 Fax. 01792 561016
Email:mono@monoequip.com

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)