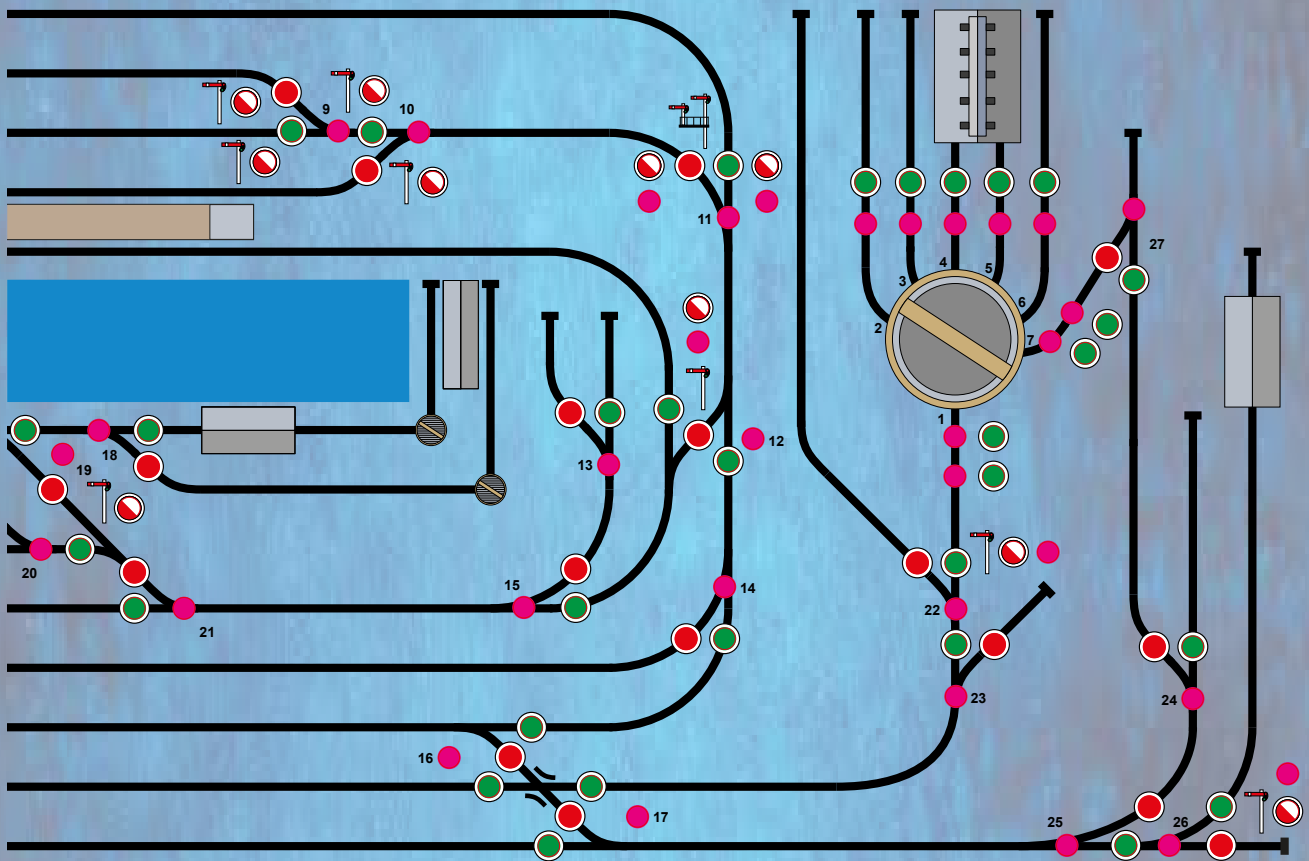


# Perfect Model Railway Control Panels



**Custom built control panel guide**



thinking outside the square  
concepts

**DCCconcepts is all about quality in both design and operation, and our custom panel design service is no different.**

Bring your model railway to life with a personalised bespoke control panel, tailored to your layout. Whether you're building an intricate rail network or a simple track for the hobbyists, we offer custom-designed panels that seamlessly blend functionality and style. Our expert team works closely with you to create intuitive, visually appealing control panels that fit your needs. With personalised graphics, we ensure your panel enhances the realism and experience of operating your model railway.

**Let us help you take your model railway to the next level!**



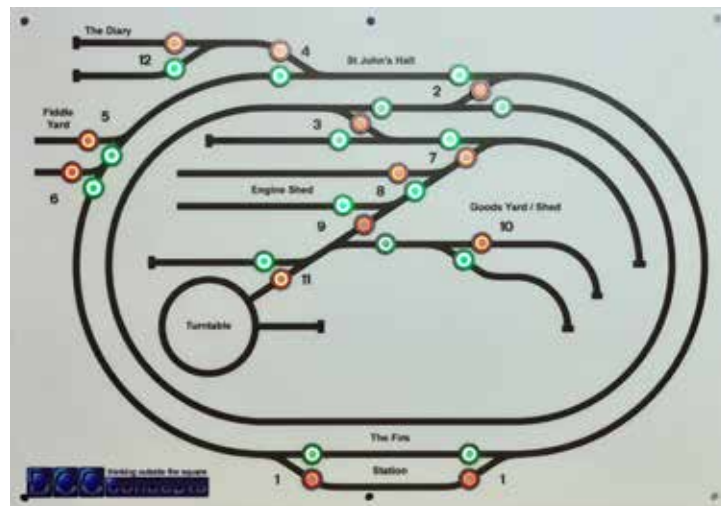
We can interface and work with 99.9% of all the DCC control system currently and previously available. Whether you are NCE, Digitrax, Gaugemaster, ECoS, Bachman, Lenz, Hornby or any other user, we can help!



**Before we look at the options we offer, a little bit of terminology for you:**

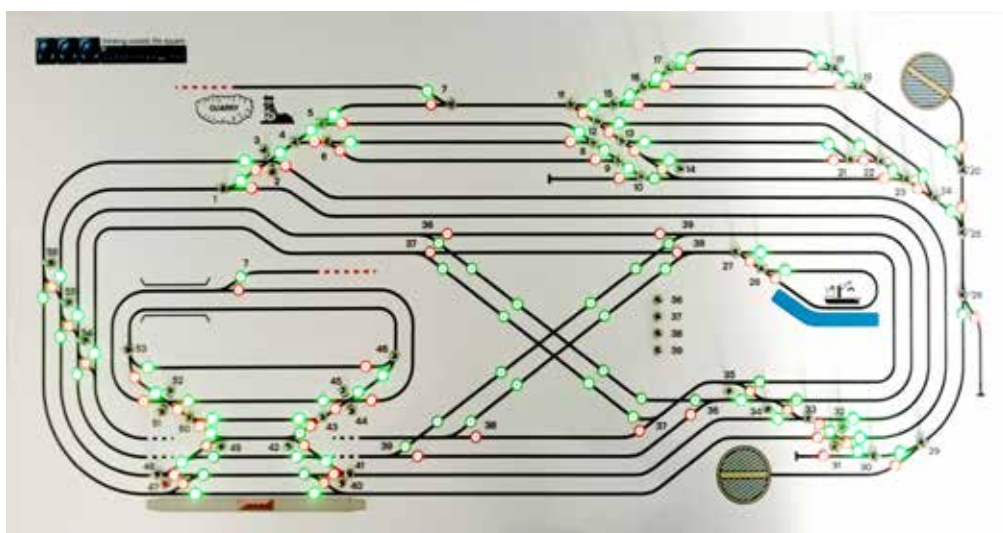
## **Mimic Panel**

This is a panel that contains LEDs and no switches, used to show the direction of any points or accessories selected from your DCC controller or other external controller. There are no switches on this panel.



## **Control Panel**

This is a panel that contains both LEDs and switches, used to control your layout as well as show the direction of any points or accessories selected. It usually works in parallel with your DCC control system for control of your layout.

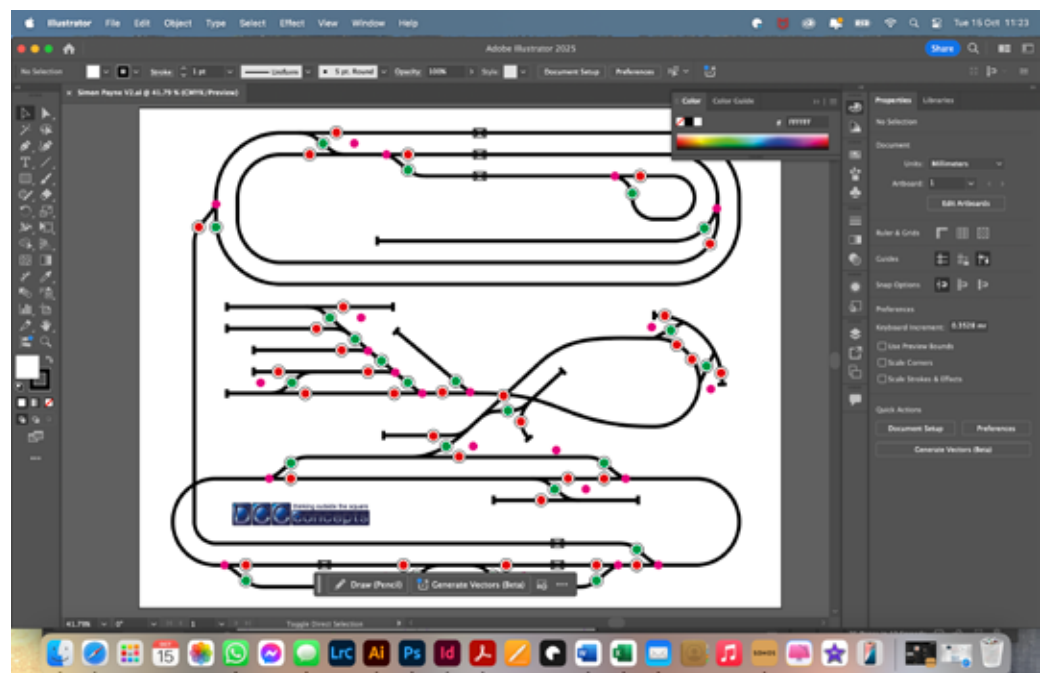
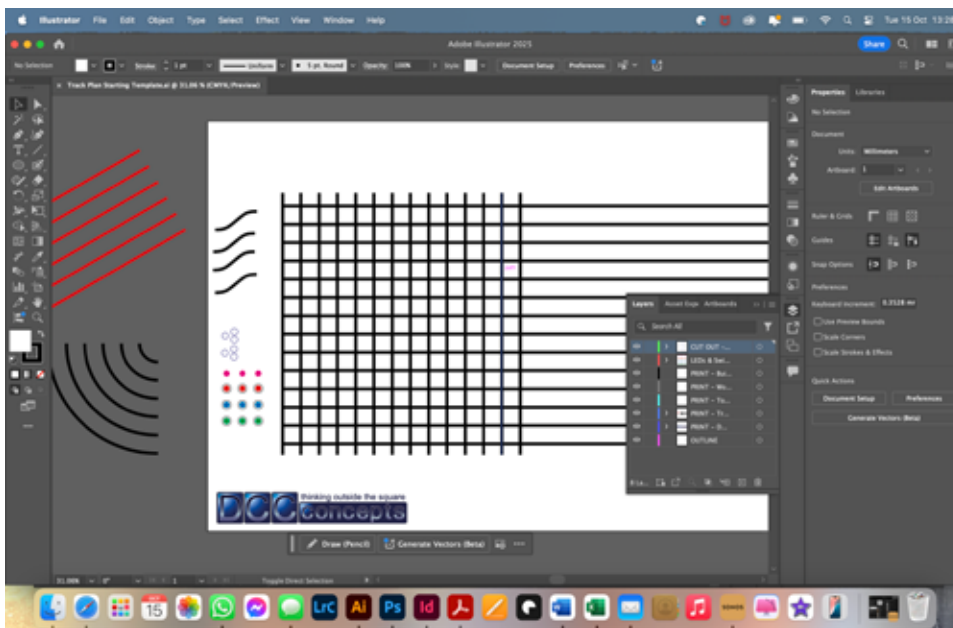


# Option 1

We will design a 1:1 scale drawing, in high definition and full colour of your proposed panel. The design process is detailed and thorough, with plenty of opportunity to communicate your ideas and desires.

You don't need to present us with a detailed track plan, or be a talented artist, we have worked from simple lines drawings and managed to recreate the customer's dream panel

The final design will be emailed to you as a high-resolution PDF file to get print as you see fit. We can also send the final design in whatever format you require.



**Price: £99 + VAT**



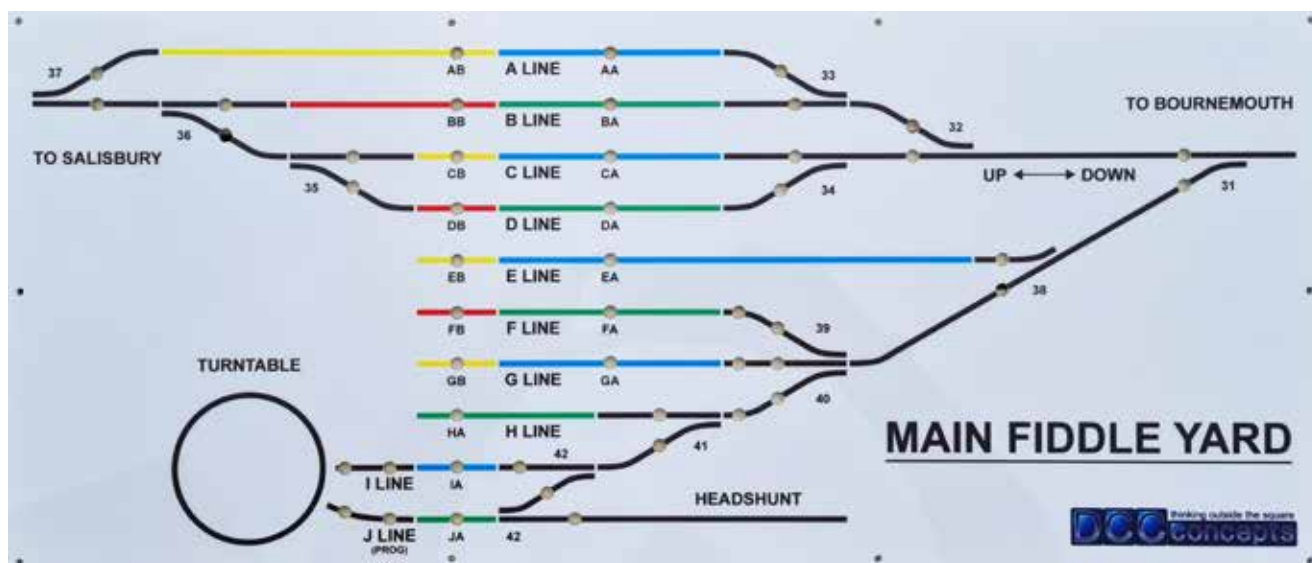
## Option 2

Option 2 is to take this finished design and turn it into a high-quality laser printed and laser cut acrylic panel. The size of this panel can be any size you can imagine, we are able to get printed and cut up to 8m by 4m, if your heart so desires!

The panel can be supplied in the following colours and thickness of 3mm or 5mm.



Please note the coloured acrylics are mainly only available in 5mm thickness.

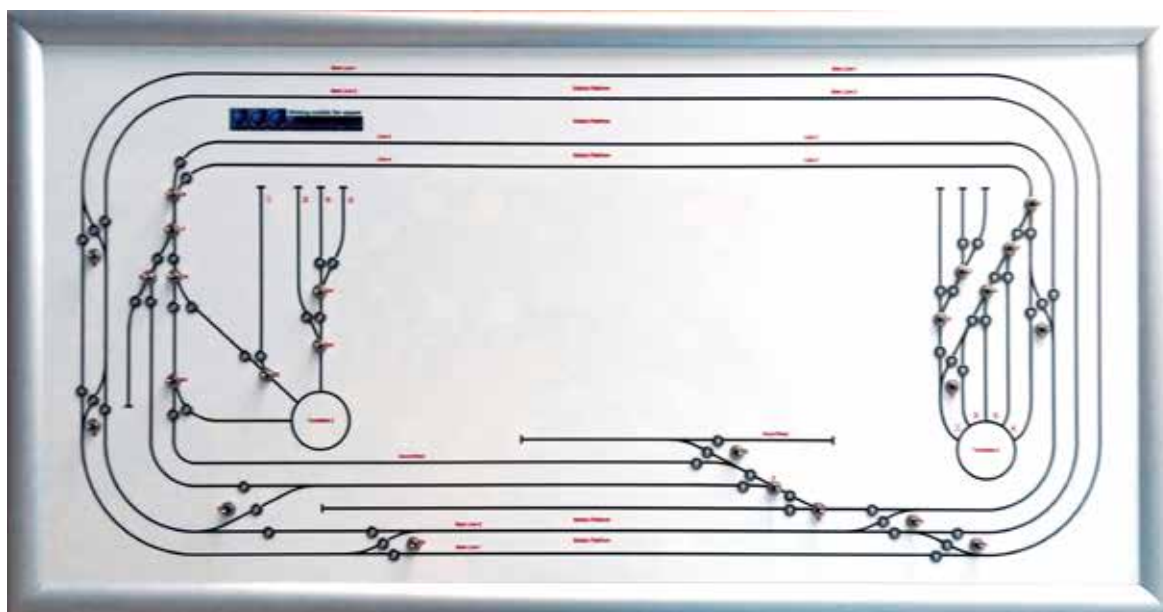
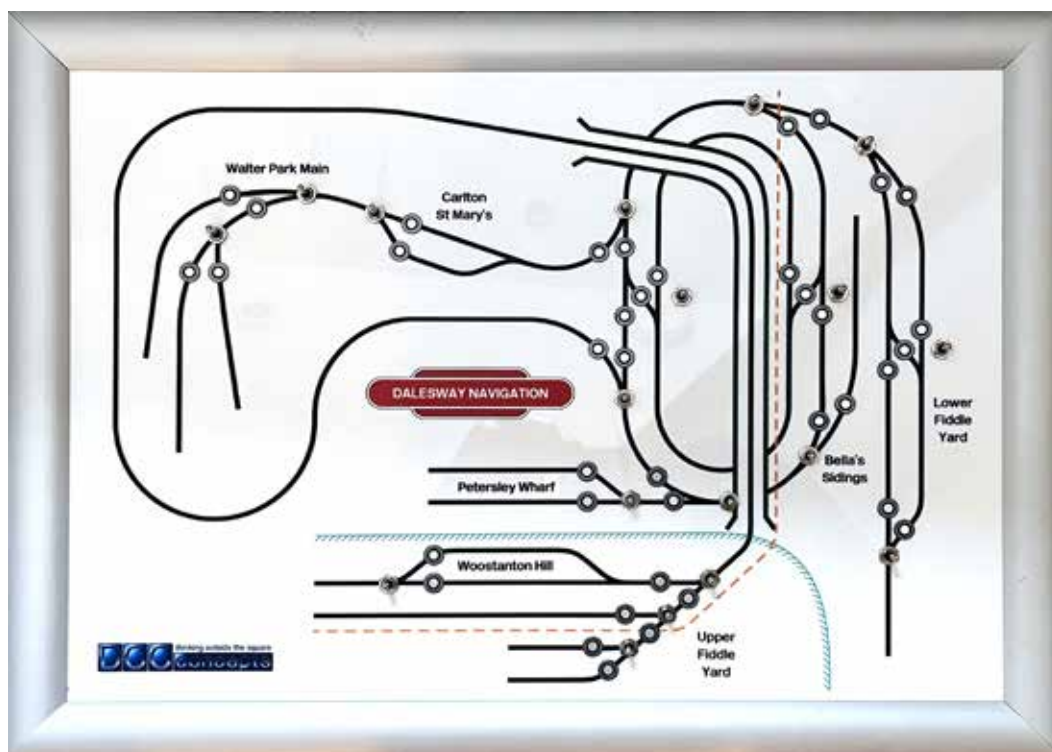


**Price: £249 + VAT\***

*\*Acrylics measuring under 1.5metres square - Price on asking for anything above this size.*

## Option 3

You can now take Option 2 and add a high-quality aluminium frame. These are available in various sizes, based on standard UK paper sizes i.e. A0, A1, A2, etc. The frame will help you in mounting your acrylic on your own case or enclosure.

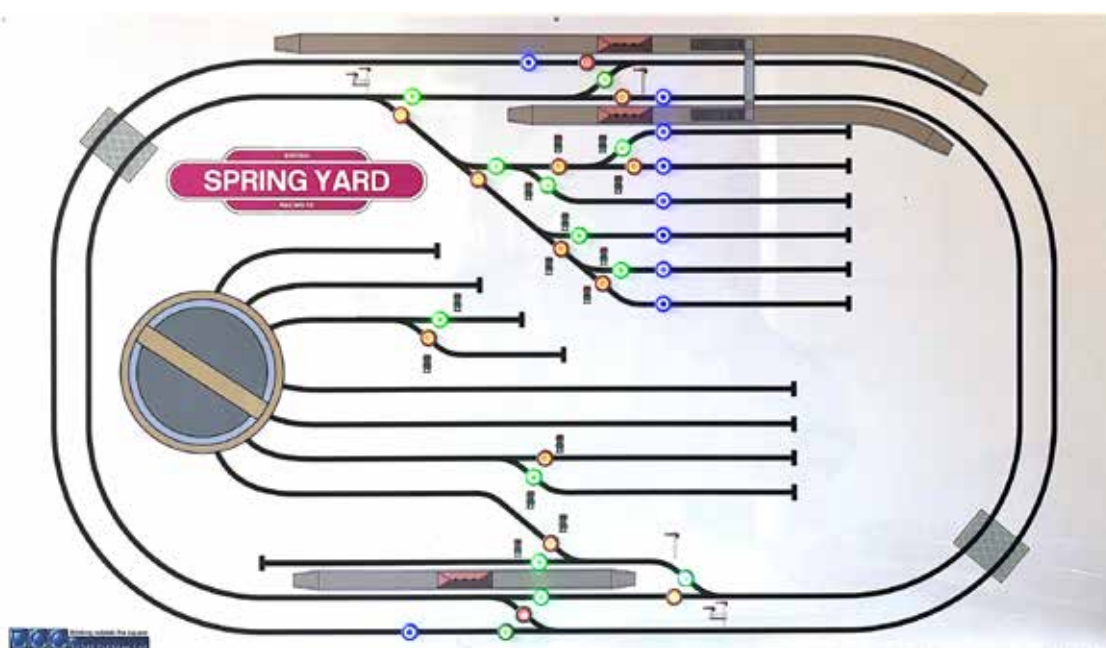
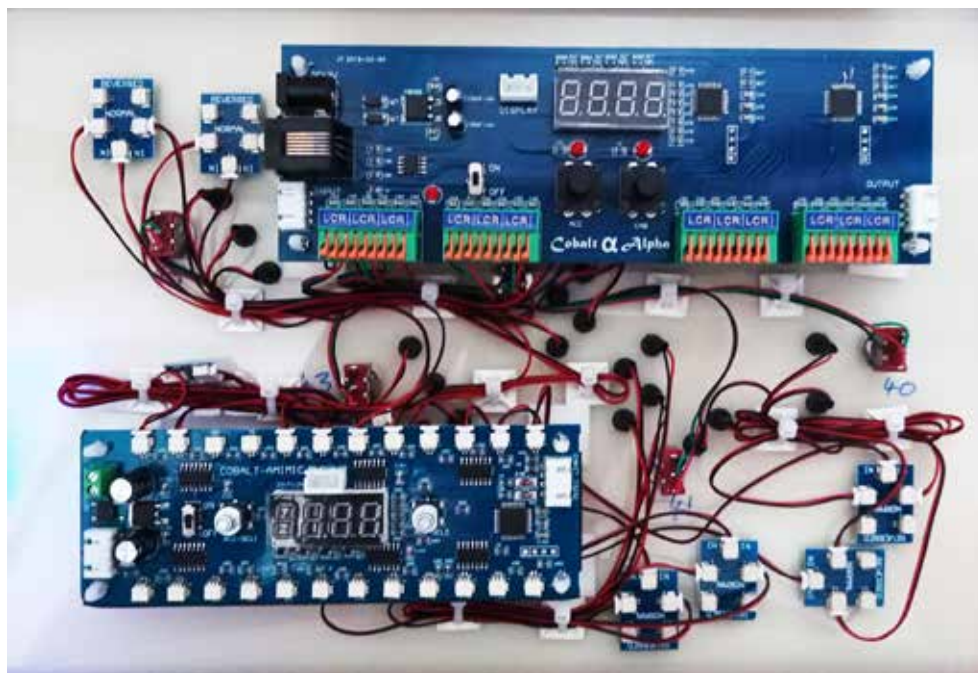


***Price: £299 + VAT\****

*\*Acrylics measuring A0 size, 1189mm square is the maximum size we can offer.*

## Option 4

This option takes your initial idea and turns it into a fully functioning model railway control panel. It is designed and manufactured with a 3mm acrylic, thicker options and colours available, and constructed, using DCCconcepts high quality components. This option comes with all the required connecting cables, unless otherwise specified during the design stage.



***Price: POA + VAT\****

*The cost depends on the number and type of DCC accessories you are wanting to control.*

## Option 5

Our final offering is to take Option 3 or Option 4 and add one of five high quality finished enclosures. These come in DCCconcepts blue as standard but other colours are available as special orders.\* This option comes with all the required connecting cables, unless otherwise specified during the design stage.



*\* Special order coloured enclosures will incur an extra charge.*



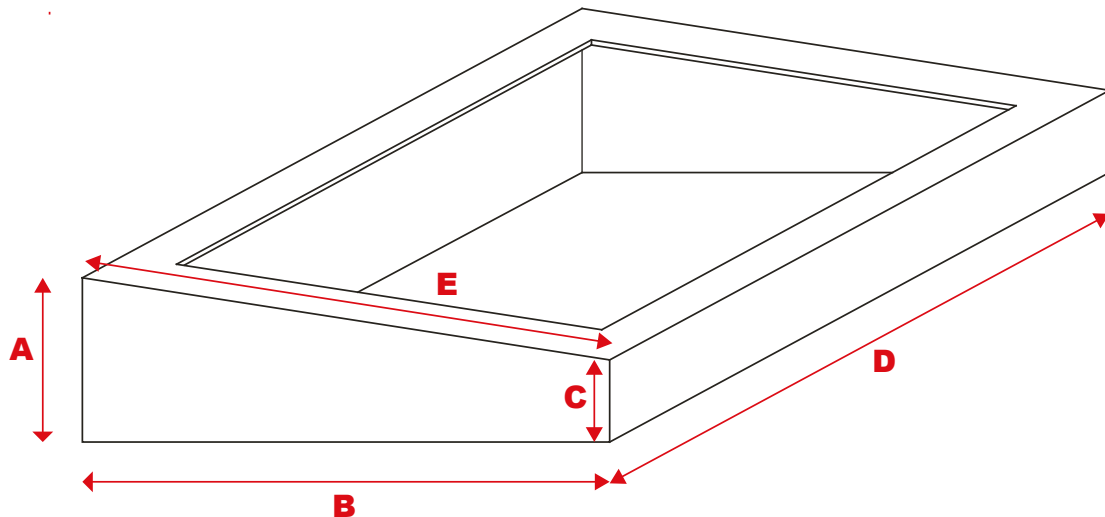
***Price: POA + VAT\****

*The cost depends on the number and type of DCC accessories you are wanting to control.*



# Enclosure Sizes

We can supply 5 different fully finished enclosures, which are delivered in DCCconcepts blue. Custom colours are available, but this will lead to a delay in the production and will result in an extra charge. Here are the box sizes available:



**All dimensions in millimetres**

**Box 1** - A=100, B=233, C=50, D=330, E=238

**Box 2** - A=100, B=233, C=50, D=870, E=238

**Box 3** - A=118, B=318, C=50, D=450, E=325

**Box 4** - A=118, B=318, C=50, D=870, E=325

**Box 5** - A=144, B=440, C=50, D=870, E=450

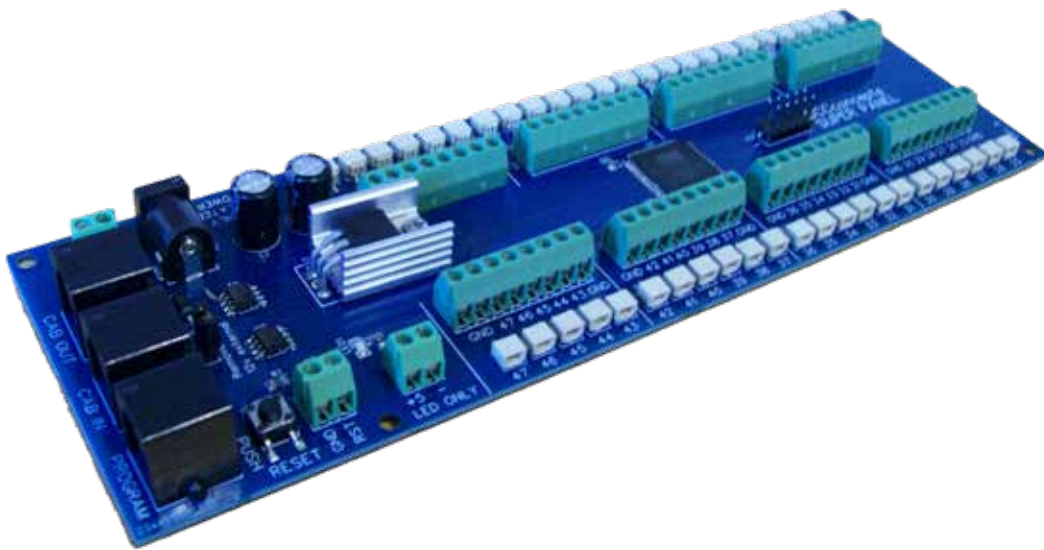
Here is the footprint and acrylic size of each enclosure:



## DCCconcepts Super Panel

If you have an NCE system, either PowerCab or ProCab, we can now offer fully finished panels using the new DCCconcepts Super Panel. Your panel would come fully programmed ready for you to use. The Super Panel has 47 inputs that allow control of multiple commands from one switch. You can set the route into a fiddle yard and light all the relevant LEDs from one button push - in fact you can control nearly 900 commands from one button!

**Please contact us for further details.**



## Custom Face Plates

We can add custom panels to your DCCconcepts enclosure for decouplers, lighting and other external connection.

**Please contact us for further details.**

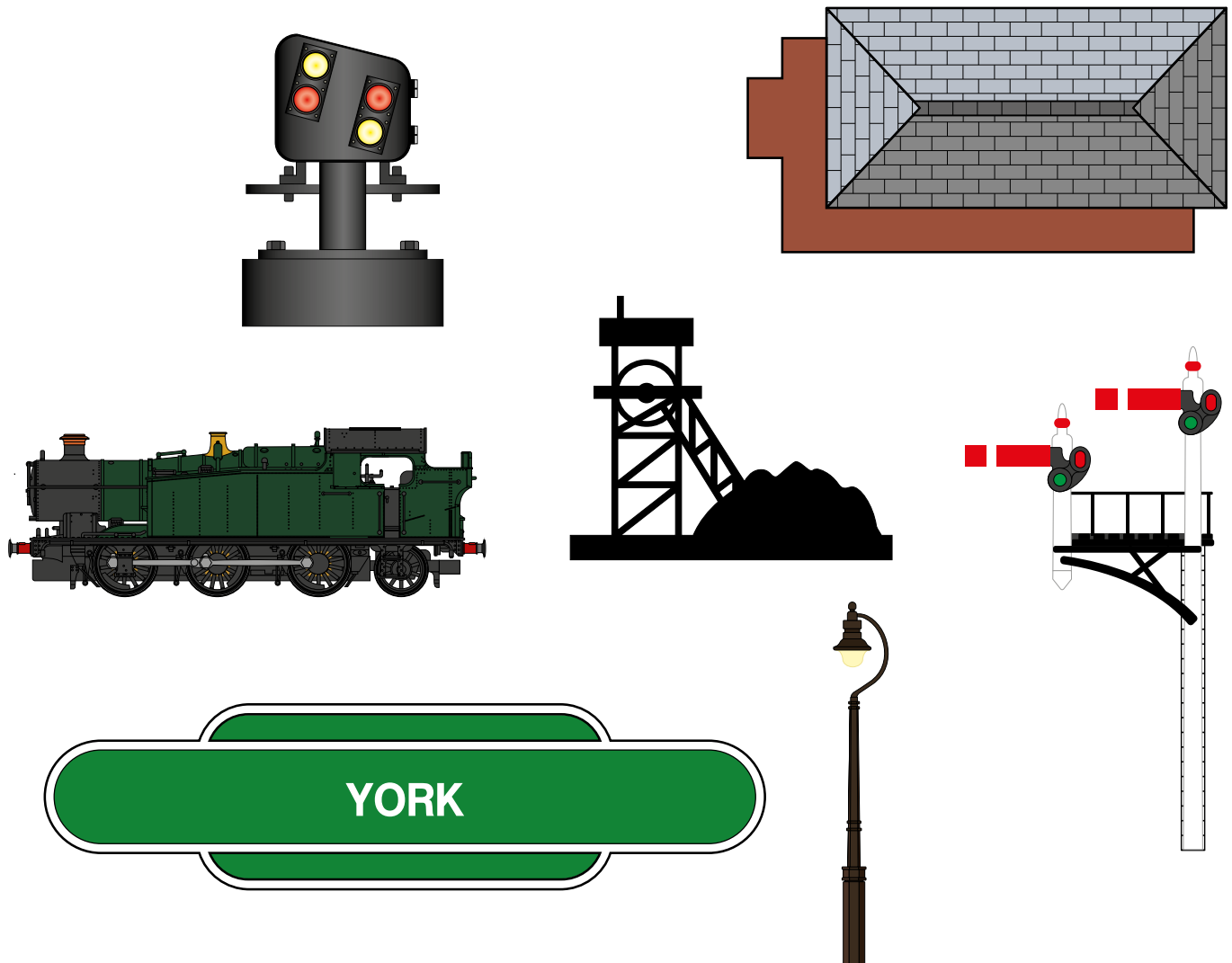


# Custom Graphics

The beauty of having your panel designed and manufactured the DCCconcepts way is that it really is a blank piece of paper! The tracks can be any colour and thickness, the fonts used can be anything, the totems and name places are up to you.

We even have a library of logos, buildings and totems already drawn in high quality vector format, see below, and all this is done within the cost of your panel design.

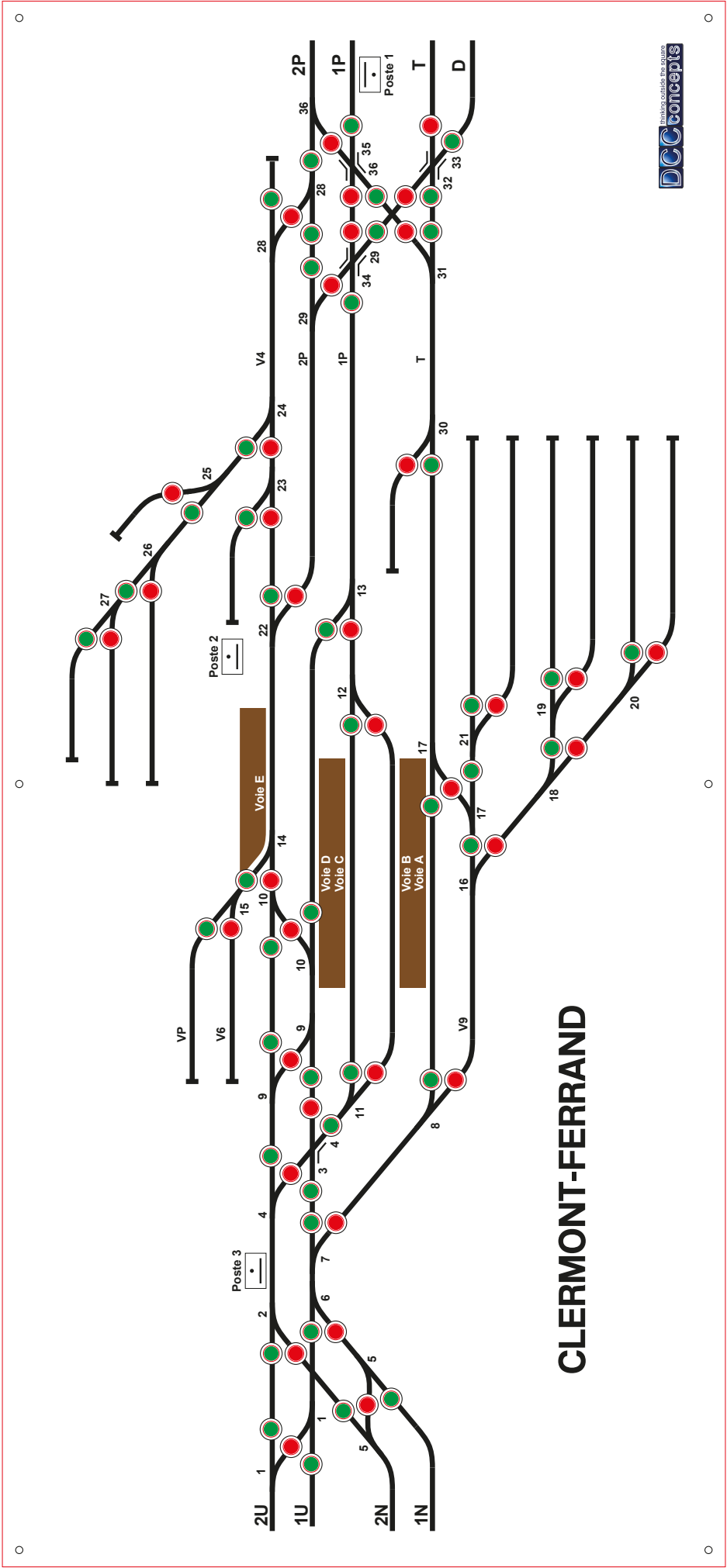
**Please contact us for further details.**



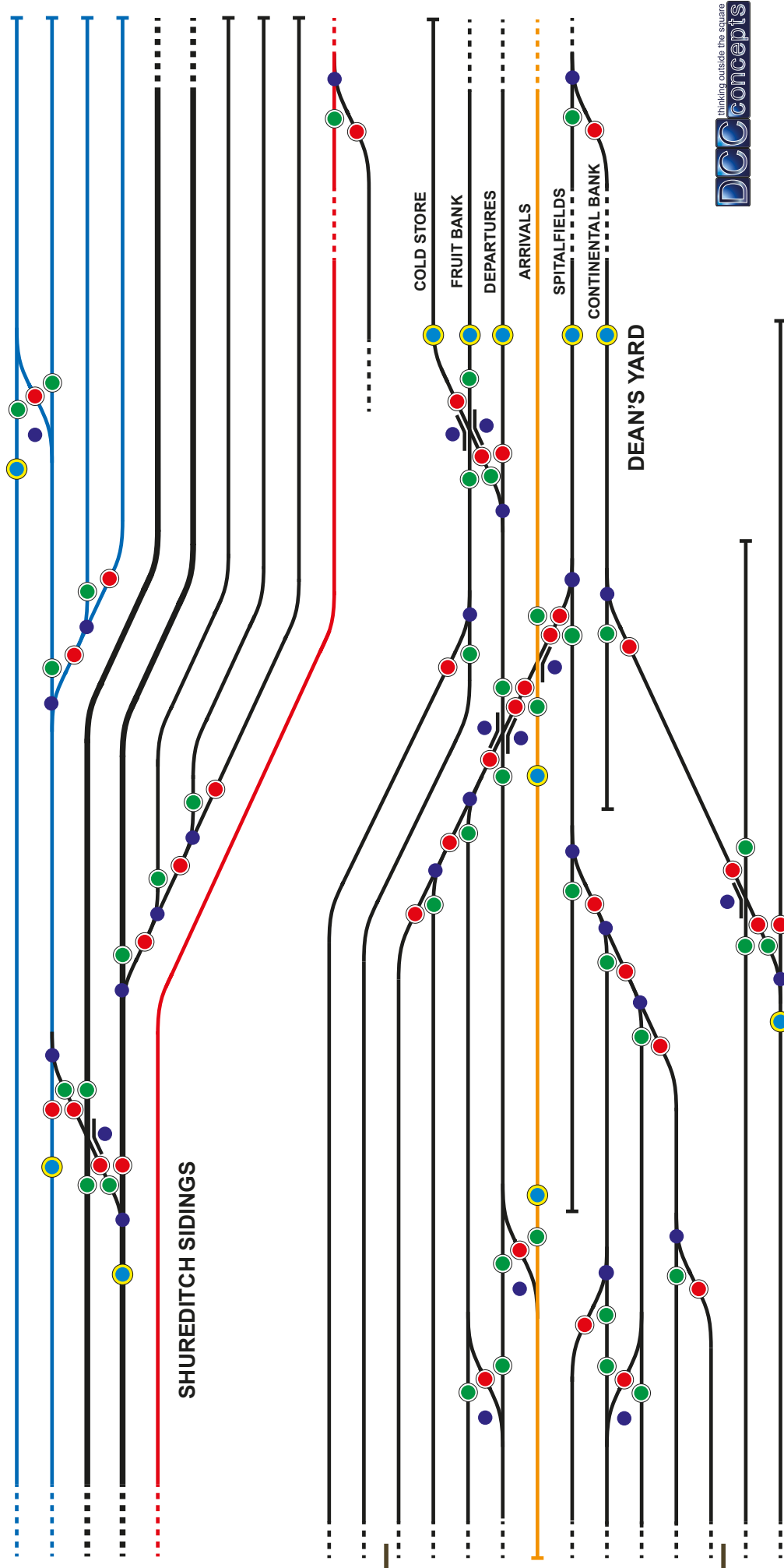
## Sample Designs

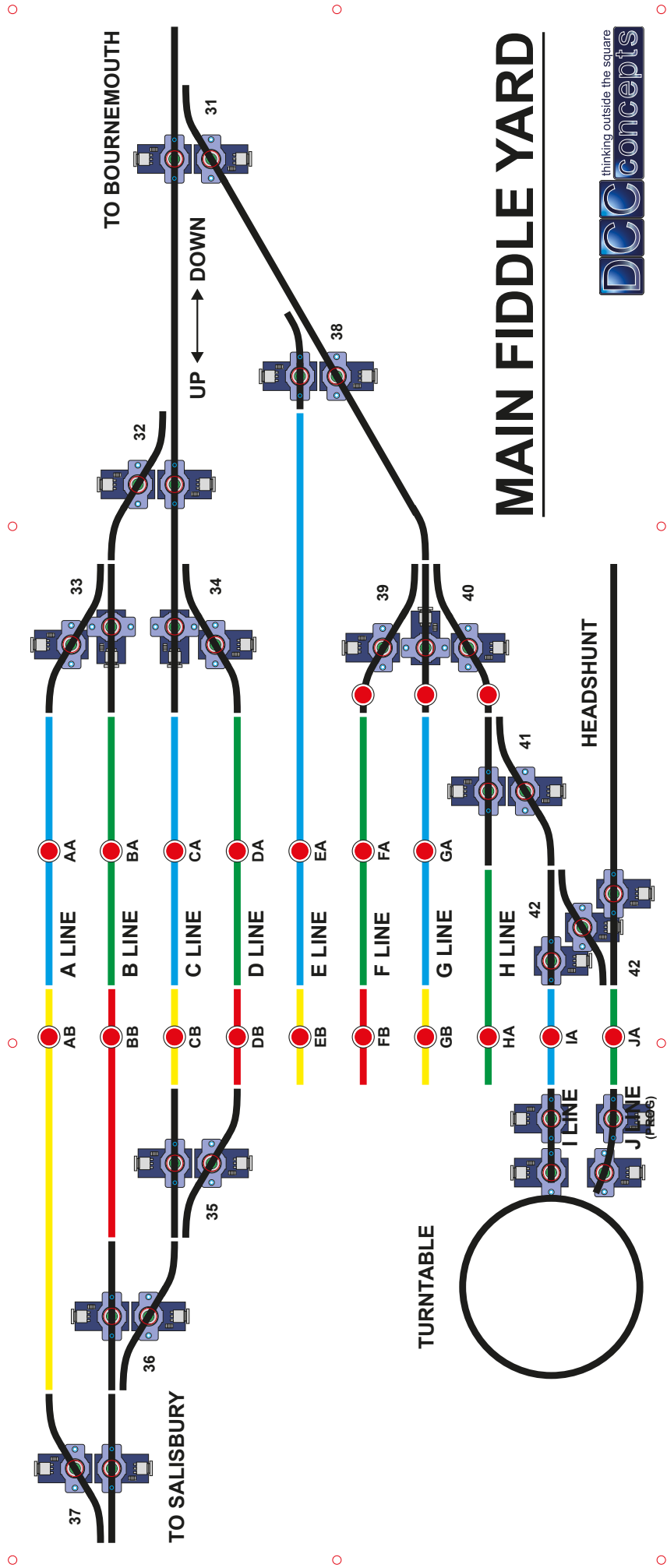
The following pages show customers panels that DCCconcepts have designed and manufactured. Some are just artwork, some are acrylics, some are populated acrylics, and some are full panels.

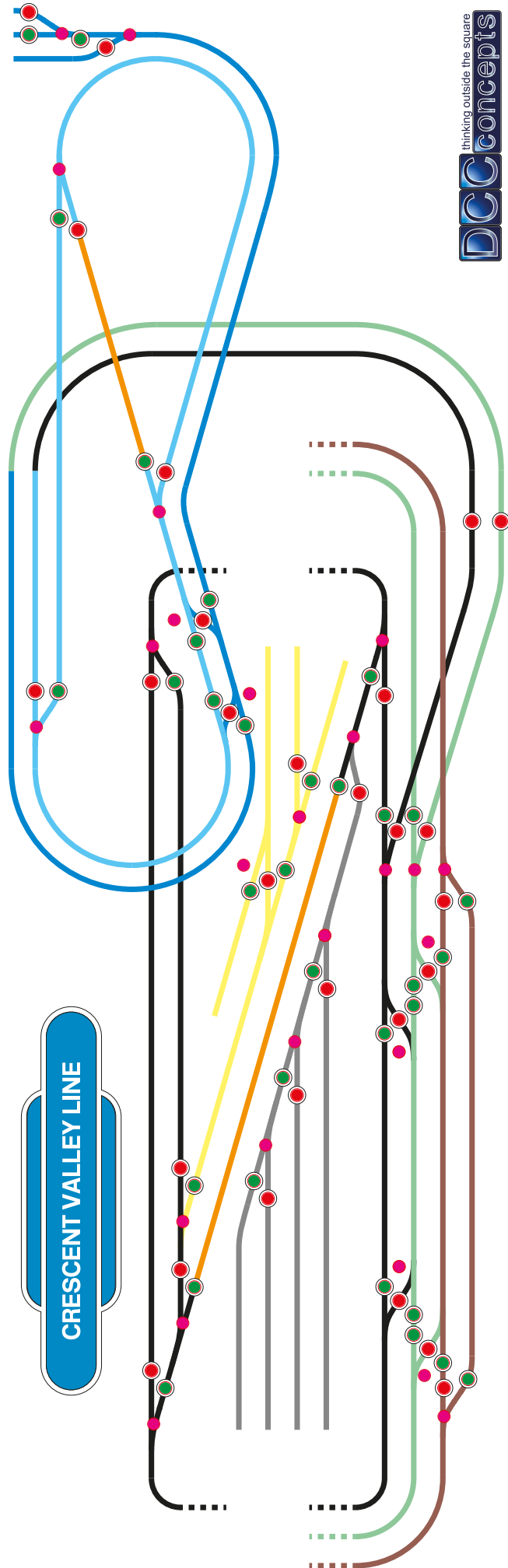
Please respect that these designs belong to the individual customers who ordered them and please do not share them on any social media channels.

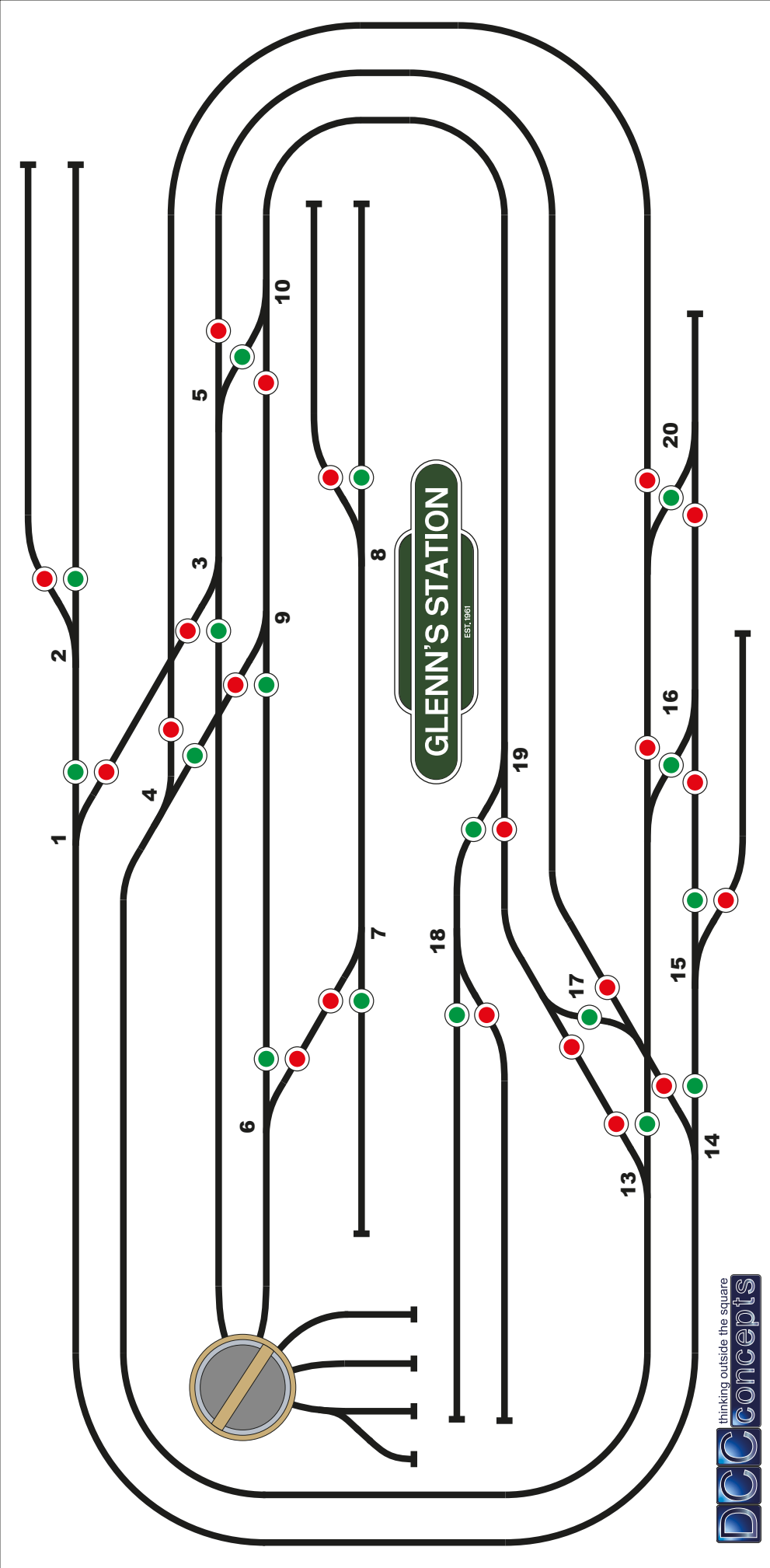












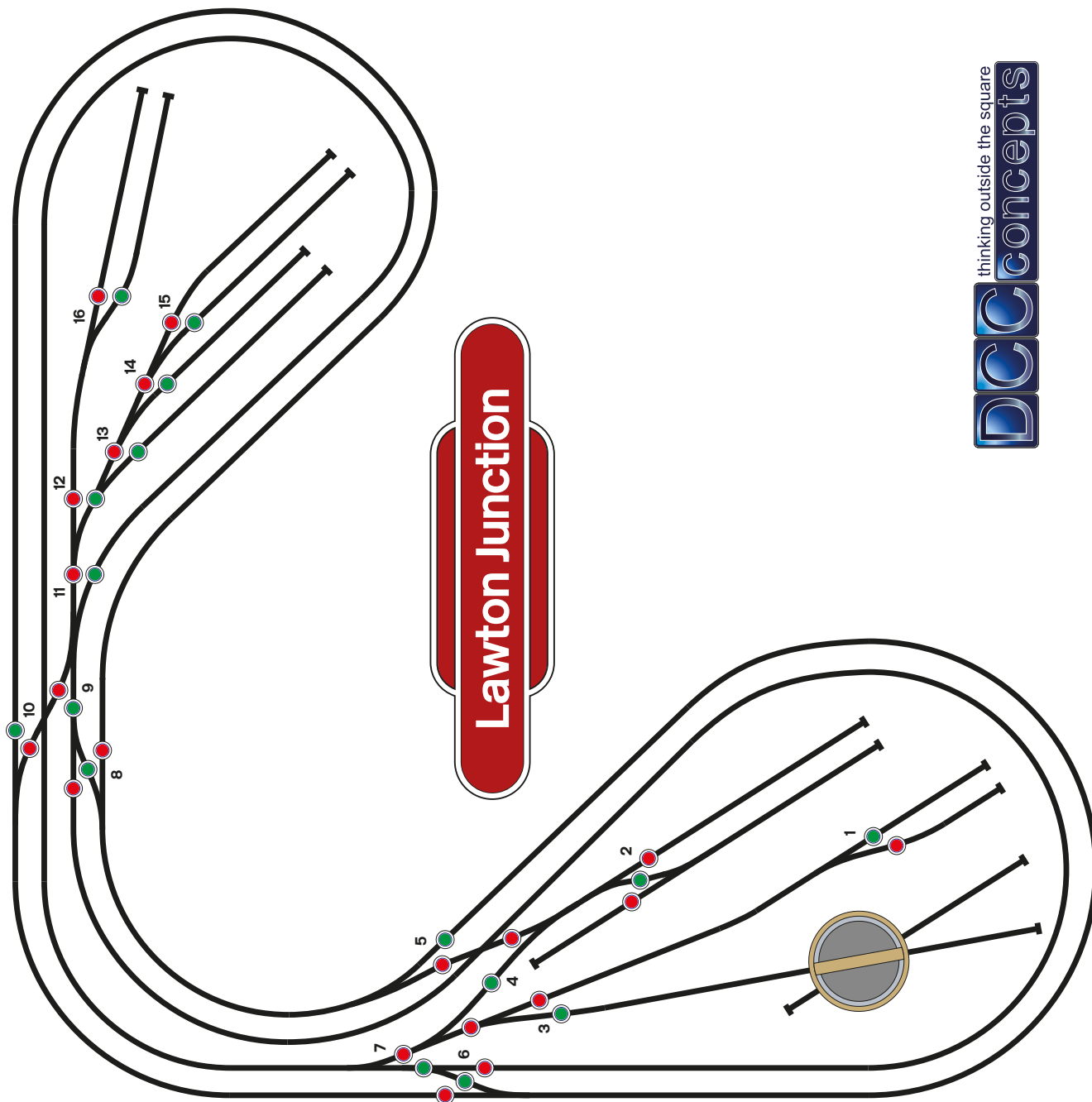


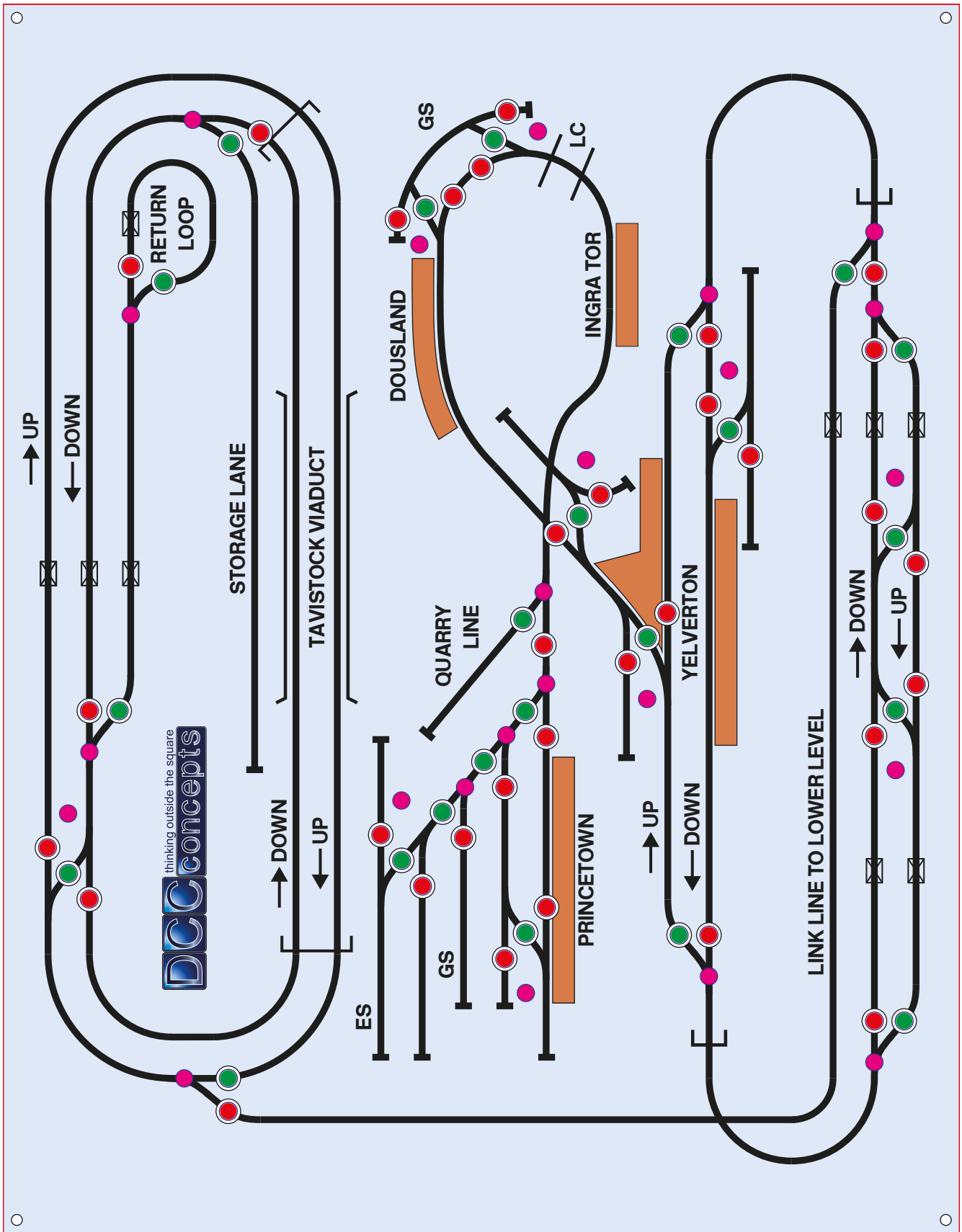


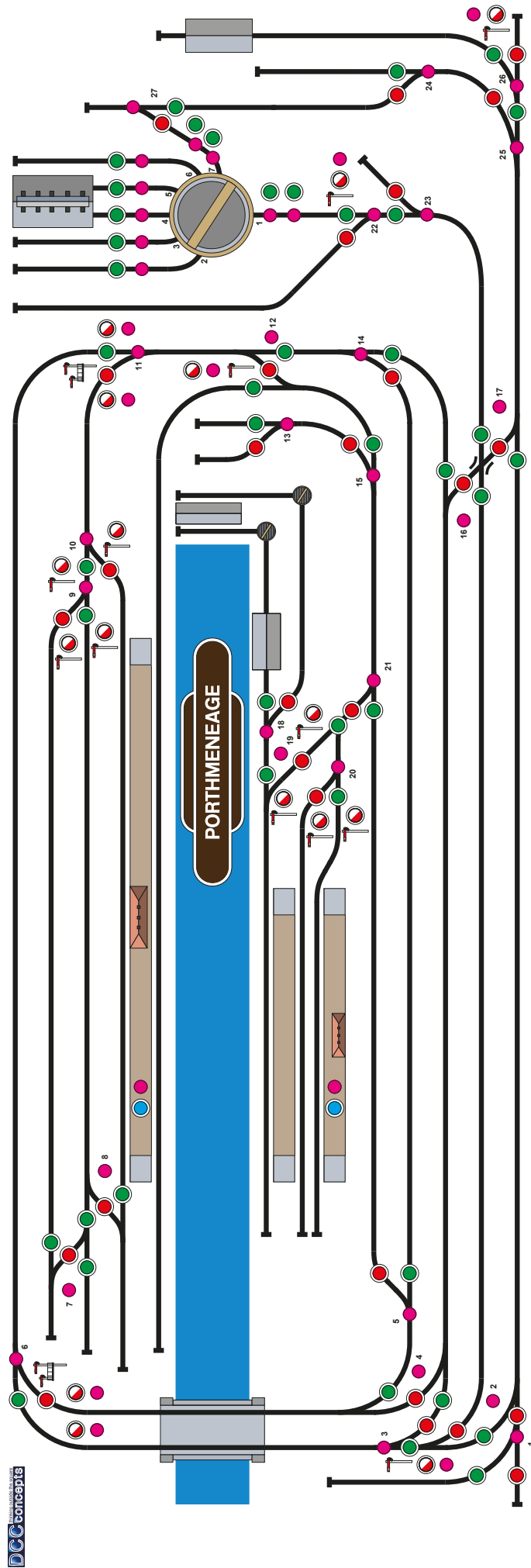
# READING GENERAL POWER BOX

TRACK POWER	POINT MOTOR POWER	POINT ISOLATORS					
POWER DISTRICT 4		UPPER LEVELS					
		B109	G130	G131	G138	G139	
POWER DISTRICT 3		DISTANT STATION					
		A102	A103	A104	F132	F133	F134
		F135	F136	G137	G140	G141	G142
POWER DISTRICT 2		FREIGHT & LOCOMOTIVES					
		A105	A106	B107	B108	B110	B111
		E124	E125	E126	E127	E128	F129
POWER DISTRICT 1		READING GENERAL STATION					
		C112	C113	C114	C115	C116	C117
		D118	D119	D120	D121	D122	D123
MAINS ON		PROGRAMMING		DC ON			
						TURNTABLE	
						ENGINE	
						MOD DEPOT	
MAINS OFF		TRACK					
						READING STN	
						PLATFORMS UP	
						PLATFORMS DN	

thinking outside the square

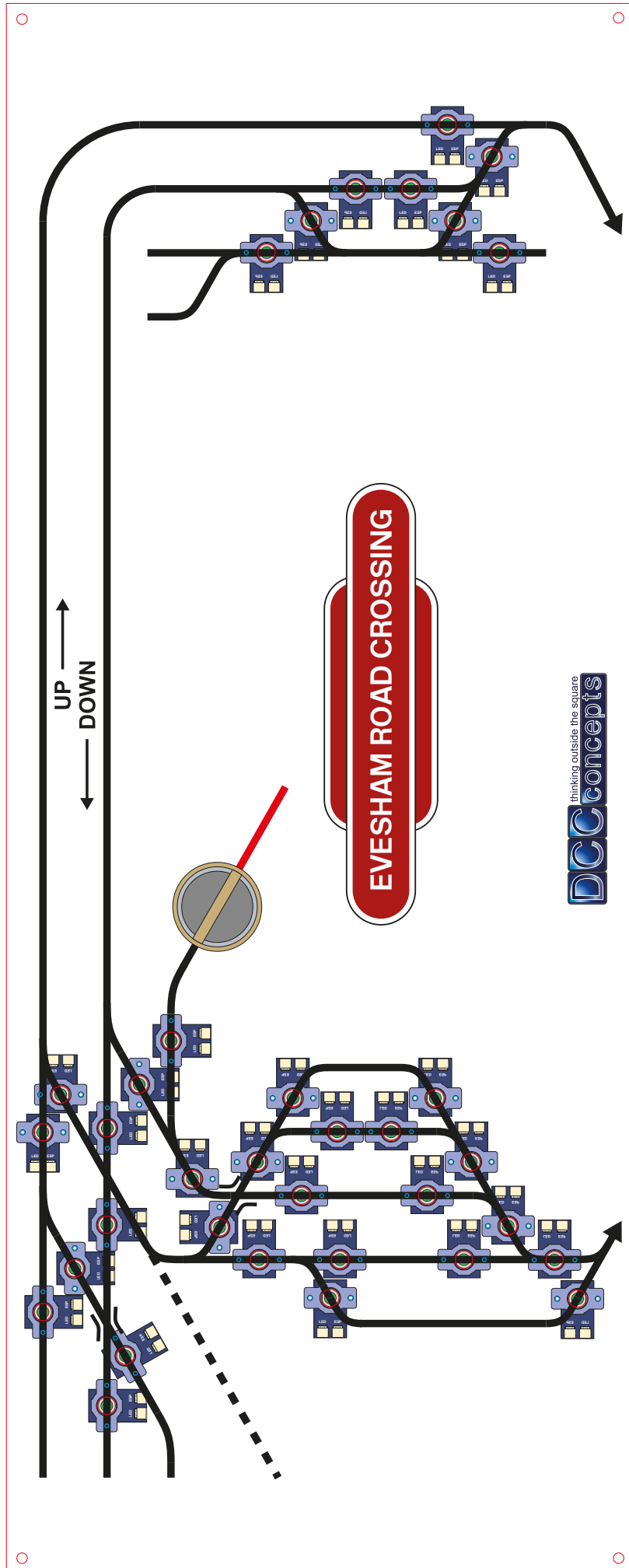


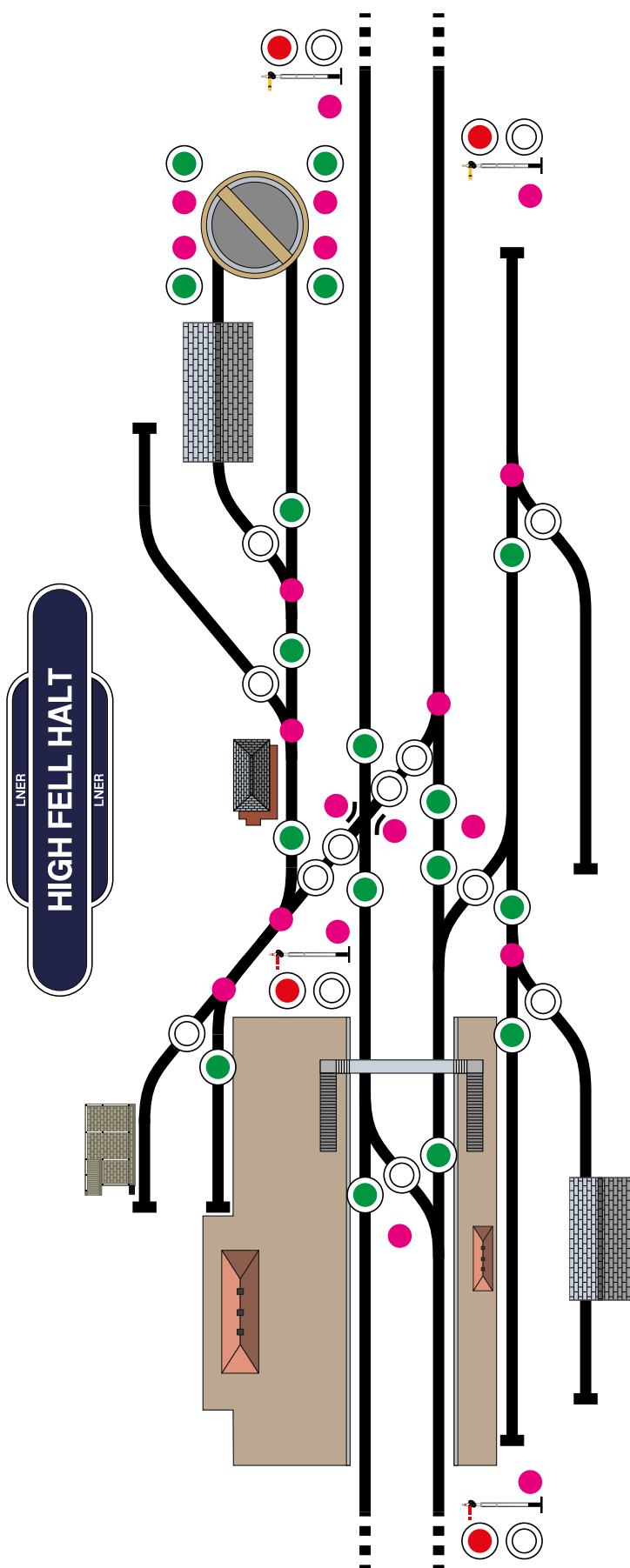




DCCconcepts





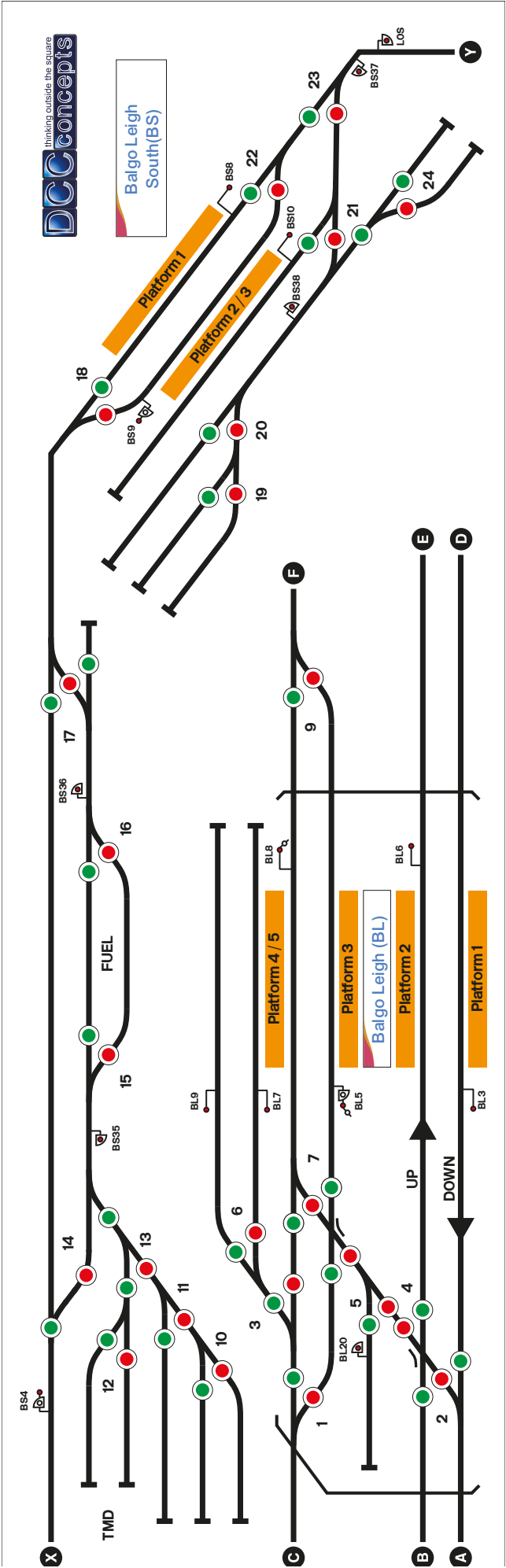


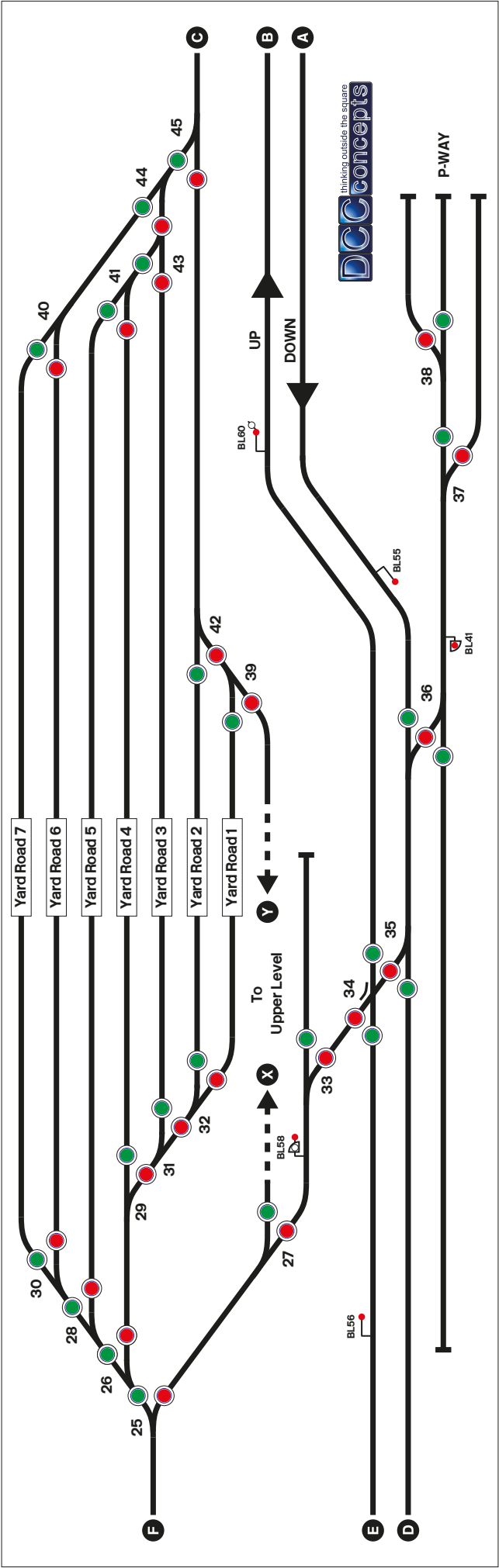
	Platform		Station		Village
	Goods Shed		Engine Shed		Welding

## LIGHTING

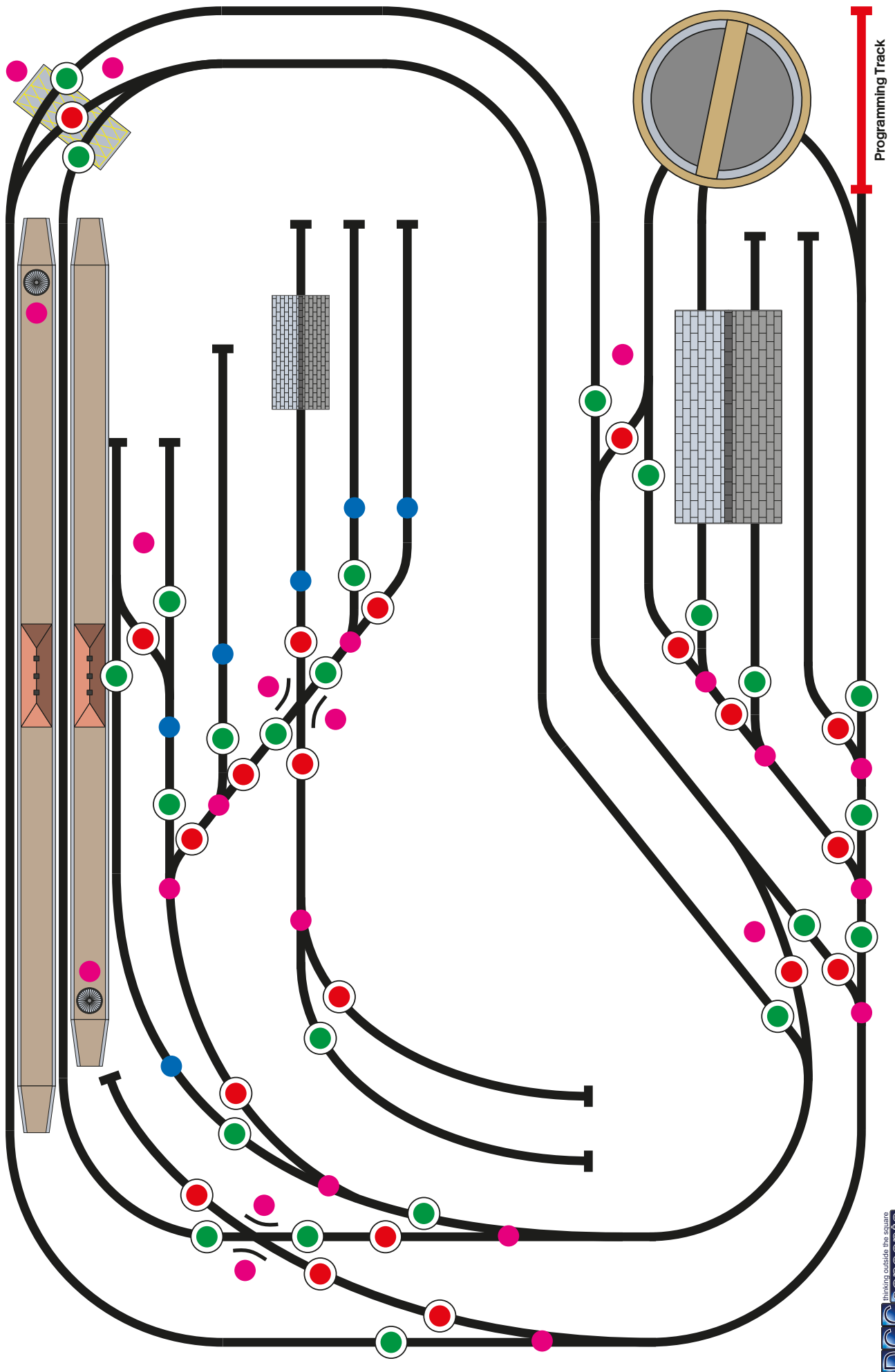
	Station Background		Public Address		Steam Train Leaving		Steam Whistle		Guard Whistle		Station Bell		Slam Door Open/Close
	Train Passing/Train Braking		Train Pulling Away/Train Braking		Brake, Wheels Clickety-Clack		Signal Box Bell, Tapper Attention/Clear		Points Lever, Wire, Point		Church Bells		Country Background
	Cows Mooing		Sheep Bleating		Dog Barking		Birds		Tractor		Cockerei		Owl

## SOUND





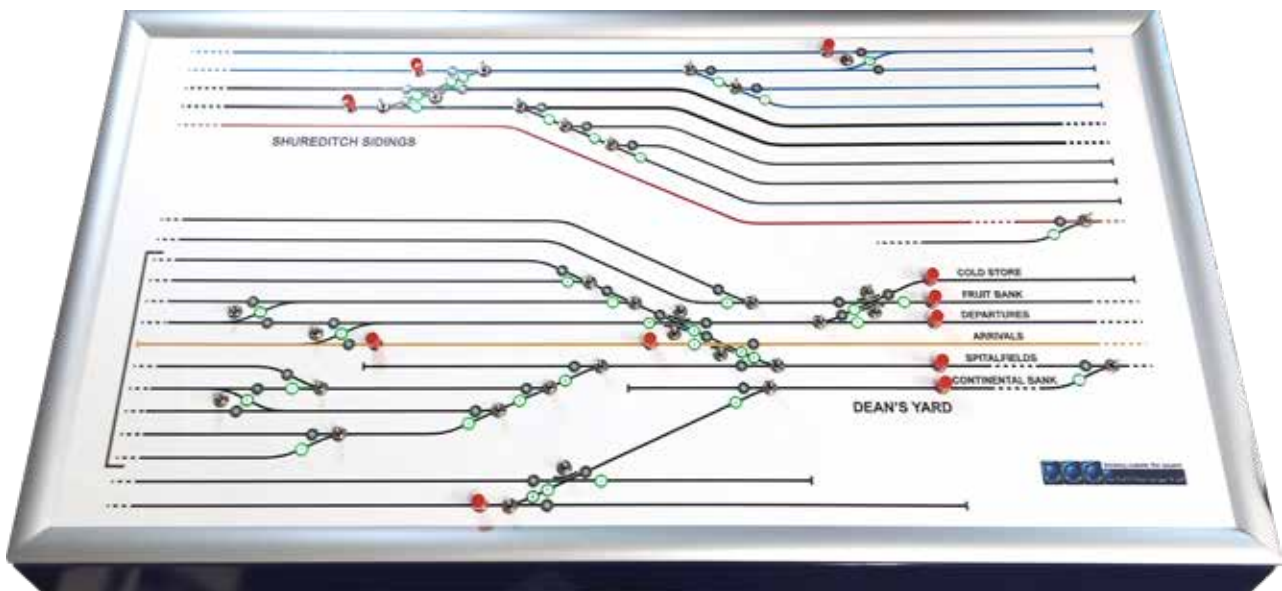




# Full Panels - Customer Projects

The following are full customer control panels that DCCconcepts have manufactured to the customers required specification. They are various is size and complexity but are shown as example of what can be achieved.

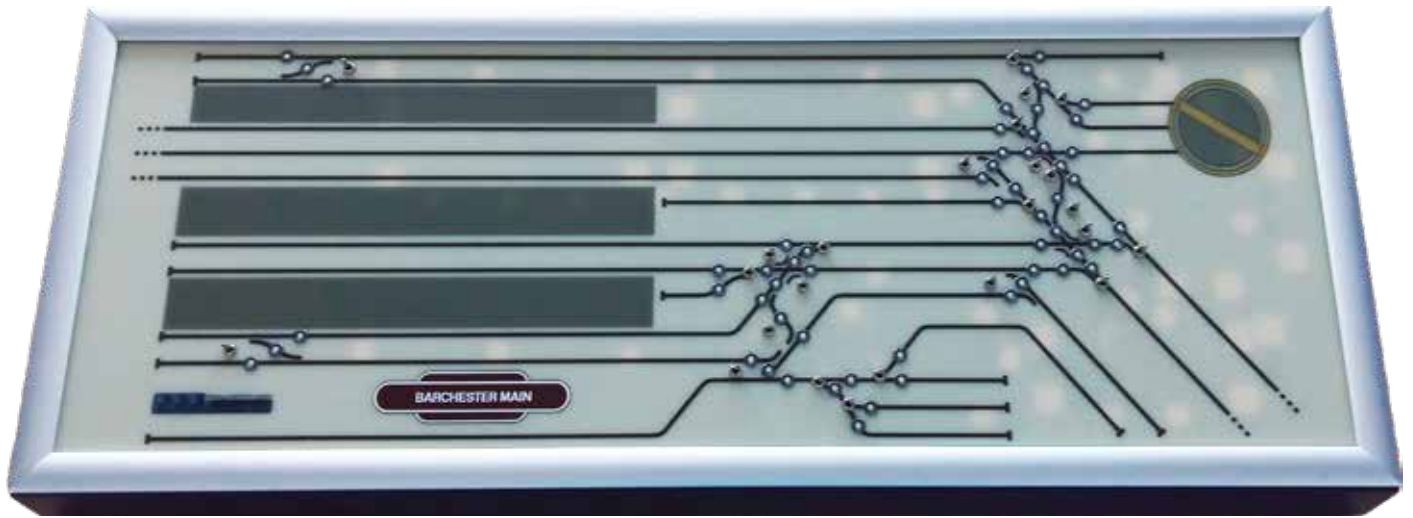
## Sample 1



**This control panel included multiple Alpha Encoder Units, Alpha Mimics, a custom connection plate, box size 5 and controlling 34 DCC accessory addresses.**



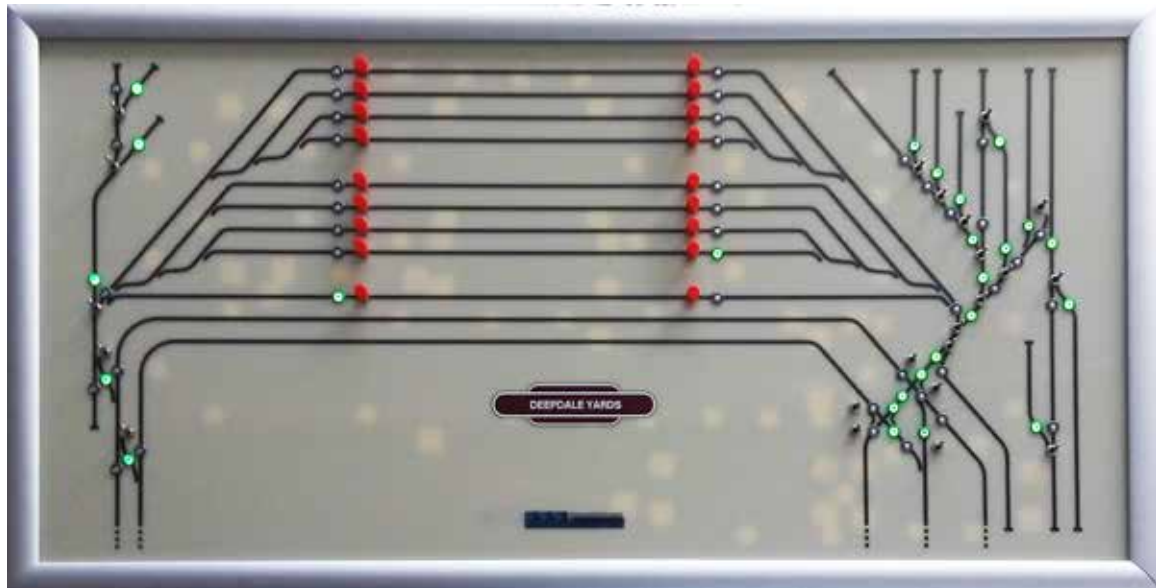
## Sample 2



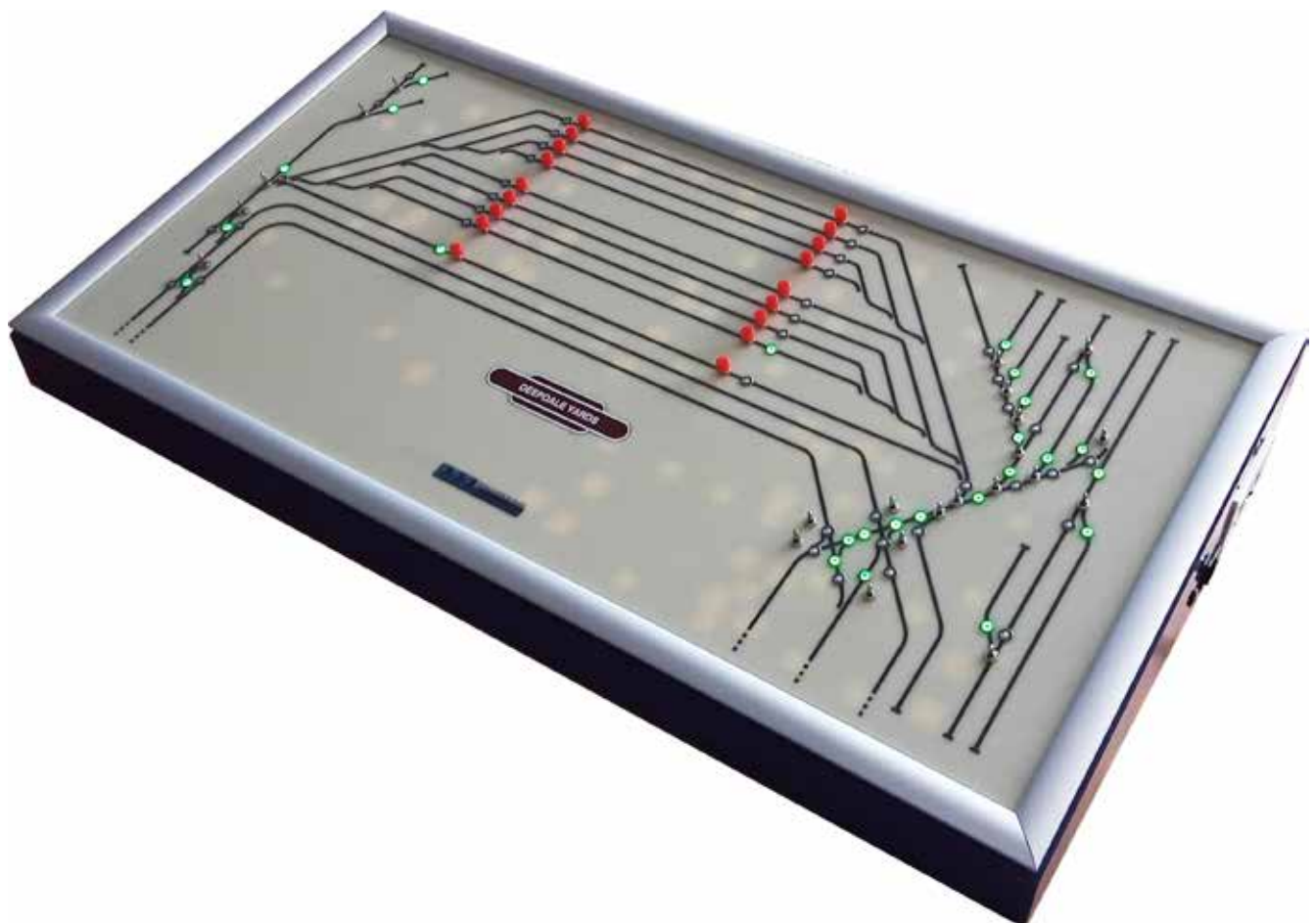
**This control panel included a Super Panel, multiple Alpha Mimics, box size 4 and controlling 28 DCC accessory address.**



### Sample 3

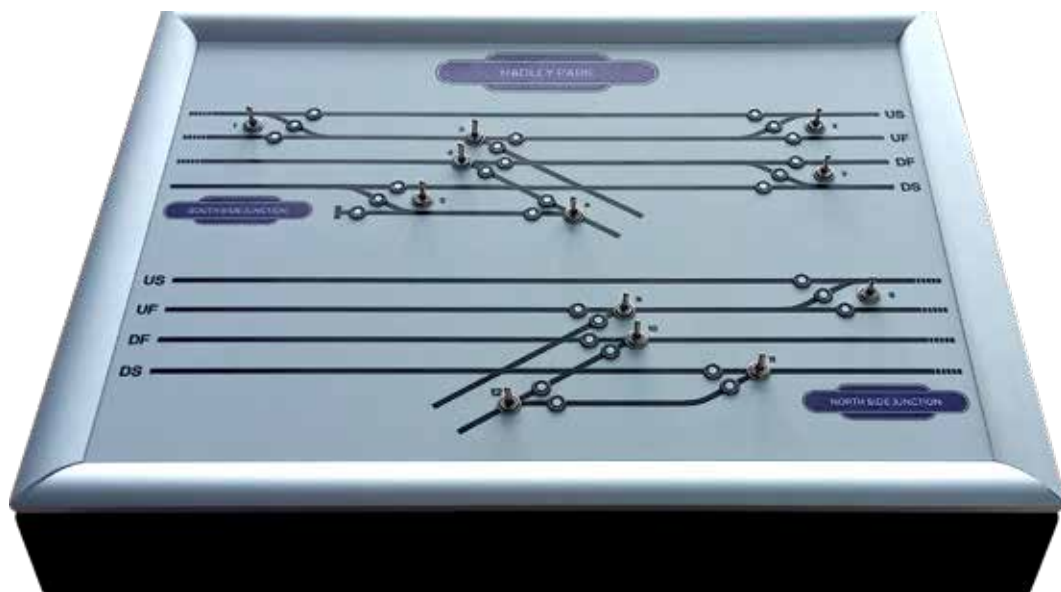


**This control panel included a Super Panel, multiple Alpha Mimics, box size 5 and controlling 26 DCC accessory address. It also included route setting for the storage area via the Super Panel programming.**





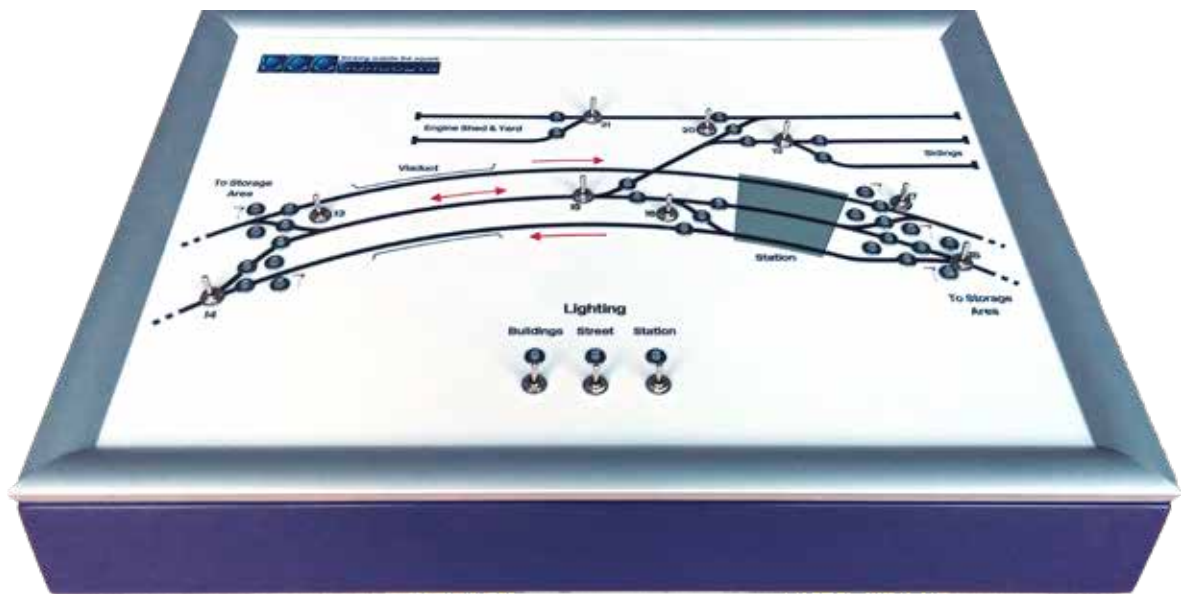
## Sample 4



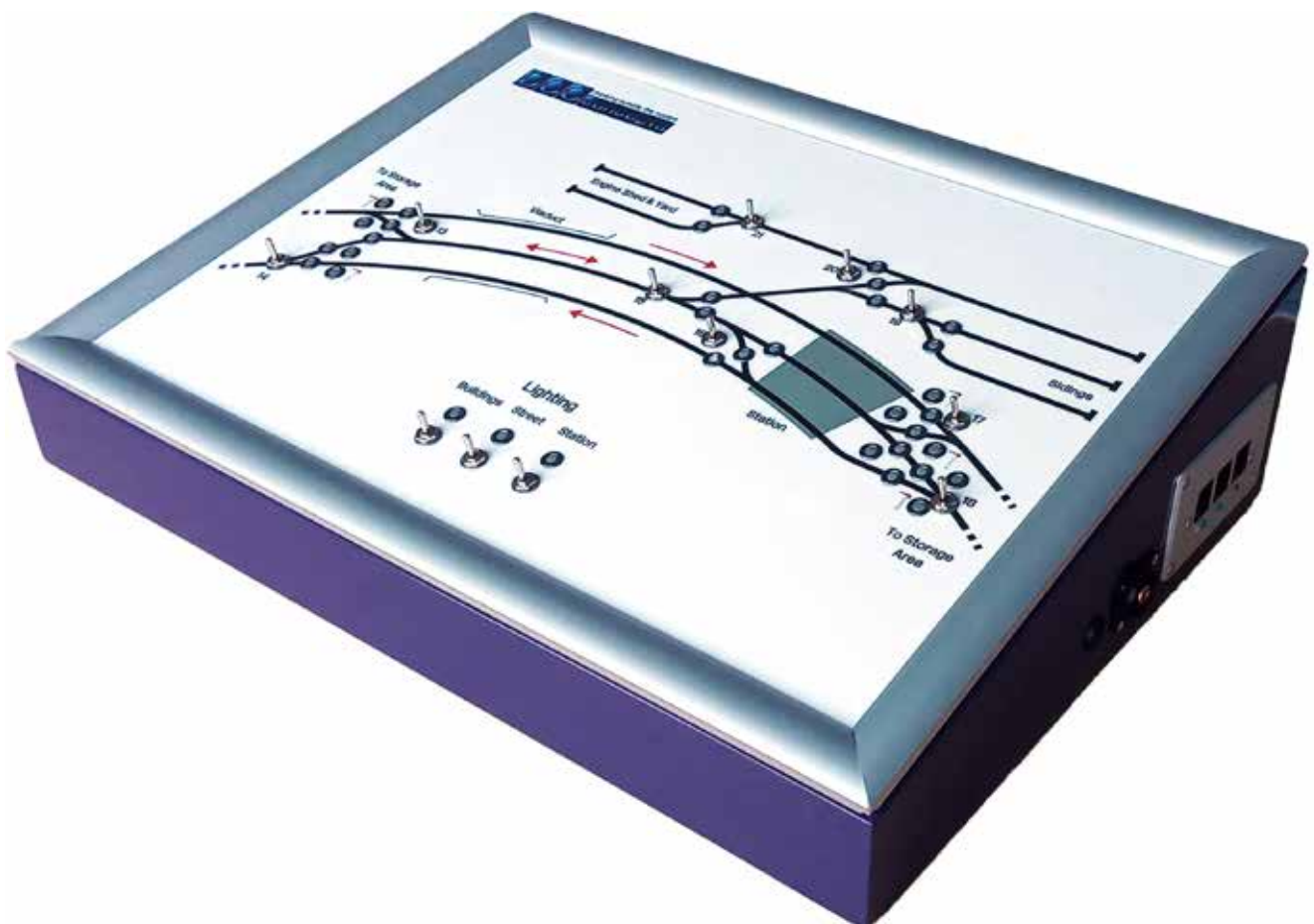
**This control panel included an Alpha Encoder Unit, an Alpha Mimic, box size 3 and controlling 12 DCC accessory address.**



## Sample 5

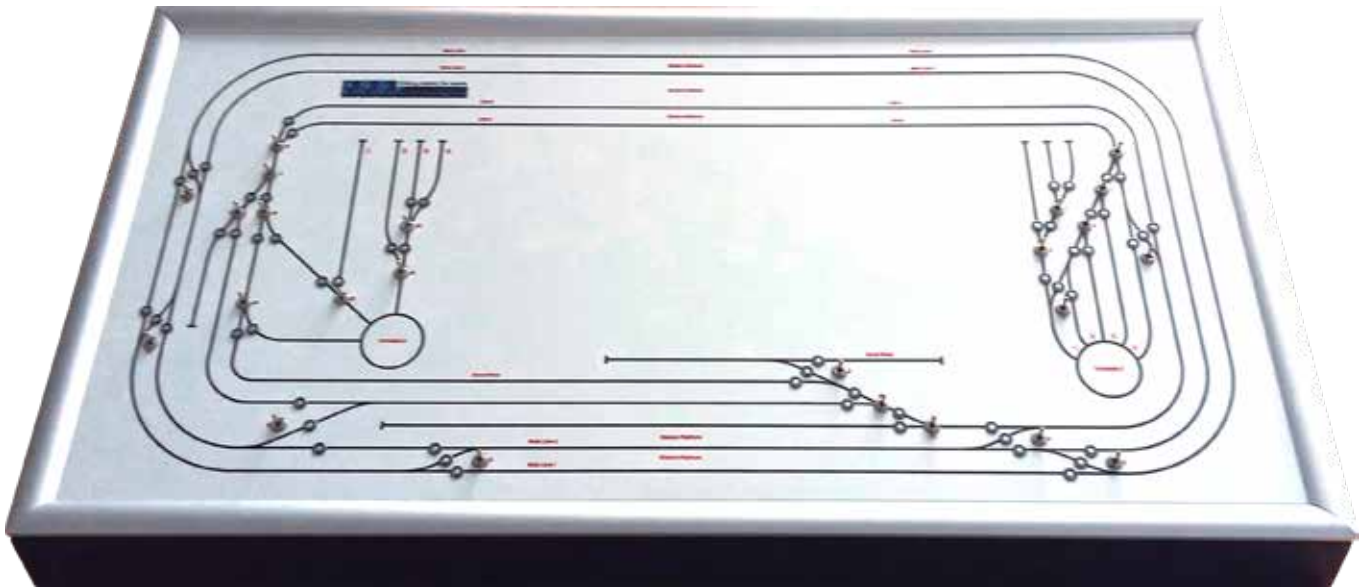


**This control panel included an Alpha Encoder Unit, an Alpha Mimic, box size 3 and controlling 12 DCC accessory address.**

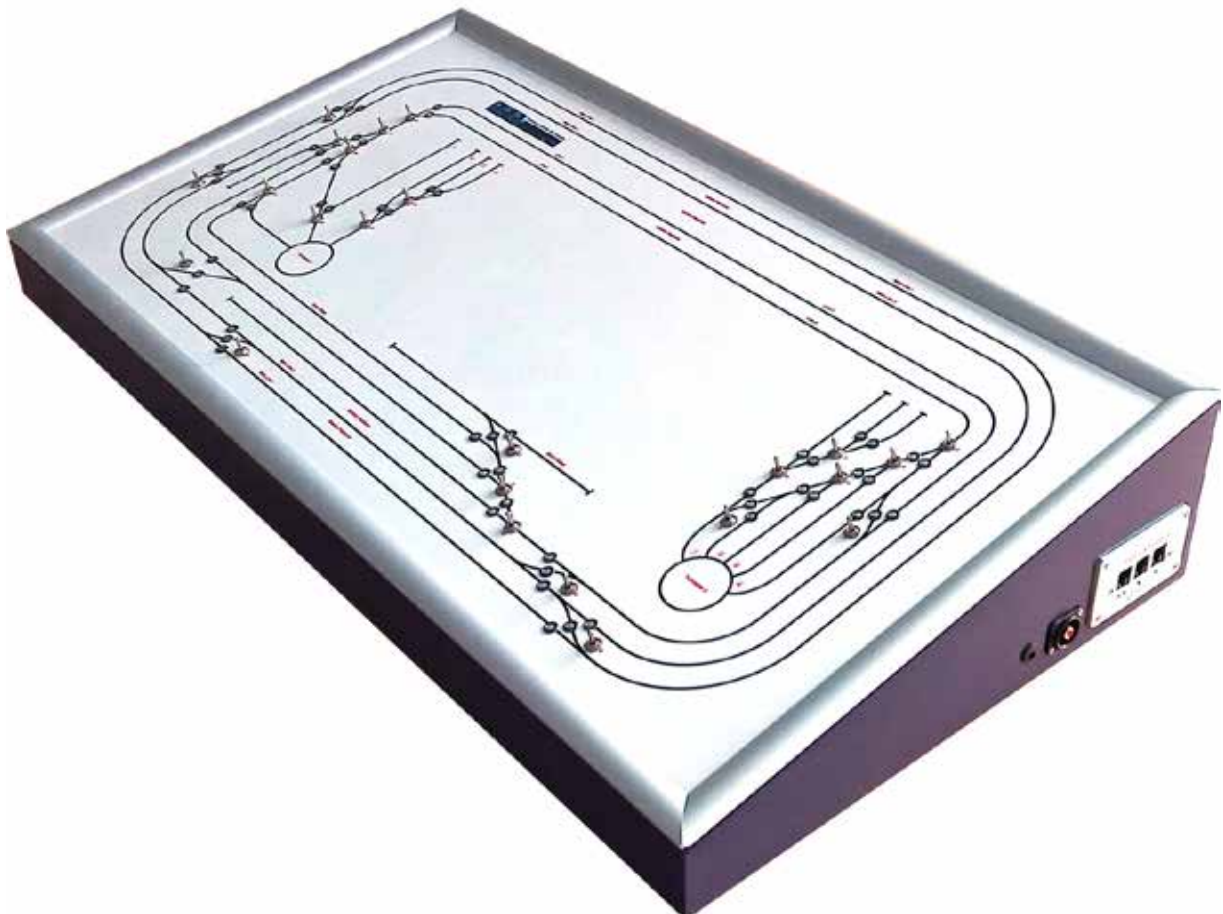




## Sample 6



**This control panel included multiple Alpha Encoder Units, Alpha Mimics, box size 5 and controlling 28 DCC accessory address.**



## Payment, Delivery and Time Scale

We appreciate the investment in a control panel is not an insignificant purchase, so we have installed a payment scheme specifically for your bespoke custom panel.

For **Option 1**, the full cost is collected upfront before any graphical work is started.

For **Option 2 and 3**, we take **50% + VAT** of the total cost before any work is started, and the remaining **50% + VAT** is payable, with delivery if applicable, when the acrylic, and frame if applicable, is ready to be delivered.

For **Options 4 and 5**, we take **10% + VAT** of the total cost of the panel as deposit to start the project. Once the design is signed off by the customer and sent to be produced, all acrylics are manufactured off site by a third-party business, we then take the next **40% + VAT** of the total cost to allow us to build your panel. Once the panel is finished and passed the soak test, we take the final **50% + VAT** and it is ready for you!

### Delivery

**Options 2 and 3** are charged at our standard next day courier rate, which depends on your location and country, yes, we have panels and acrylics shipped internationally!

**Options 4 and 5** are charged at **£100 including VAT** for delivery to the UK, international shipping charges are available on asking. The panel comes delivered in a custom delivery box, that once your panel has arrived safely, we collect this from you. Once this box is safely returned to Settle, we will refund **£50 including VAT** back to you.

You are very welcome to come and collect your acrylic or control panel from the showroom at Settle at no charge, just arrange a suitable date.

### Time Scale

From the initial panel discussion, we expect to deliver your bespoke control panel within a 12-to-16-week window. This is very much dependant on getting the design agreed by you and the delivery window from the third party for the acrylic. We will do everything we can to meet this week window

**As this is a custom service and the graphics, designs and manufacturer are specific to you, ALL payments are NON-REFUNDABLE at each stage. If you are unclear about any of the above, please speak to our Sales Advisor before placing any orders.**

## Sample Price List

The following are a guide to the approximate cost of the various options.

**Please note, the final cost for your custom panel will be determined by the exact specification you require, this is only a guide.**

### 12 DCC Addresses

Mimic Panel - *No Switches or Enclosures* - £449 + VAT

Control Panel - *No LEDs or Enclosure* - £499 + VAT

Control Panel - *LEDs and Switches - No Enclosure* - £599 + VAT

Mimic Panel - Enclosure - *No Switches* - £899 + VAT

Control Panel - Enclosure - *No LEDs* - £649 + VAT

Control Panel - LEDs, Switches & Enclosure - £1049 + VAT

### 24 DCC Addresses

Mimic Panel - *No Switches or Enclosures* - £549 + VAT

Control Panel - *No LEDs or Enclosure* - £599 + VAT

Control Panel - *LEDs and Switches - No Enclosure* - £799 + VAT

Mimic Panel - Enclosure - *No Switches* - £999 + VAT

Control Panel - Enclosure - *No LEDs* - £1049 + VAT

Control Panel - LEDs, Switches & Enclosure - £1149 + VAT

The price for all other panels, including Super Panel and more than 24 DCC addresses are available, please just supply us with your required specification.

Thank you for your interest in DCCconcepts custom panel building service. We hope we have answered some of your questions and we look forward to building the dream control panel you have always desired.

For more information or questions please email the completed form on the next page to [salesuk@dccconcepts.com](mailto:salesuk@dccconcepts.com)

# DCCconcepts Panel Enquiry Form

Name:

Contact Phone Number:

Email Address:

Model Scale:

DCC System:

Which option are you thinking about:

☐

Option 1 - Design Service

☐

Option 2 - Acrylic Only

☐

Option 3 - Acrylic & Aluminium Frame

☐

Option 4 - Acrylic & Aluminium Frame & Fully Wired

☐

Option 5 - Acrylic & Aluminium Frame, Fully Wired & Enclosure

**Please send us a proposed track plan if available**

Any other information:

