



**CABLEDUCT**  
— LIMITED —

**Bespoke Products**

*Whatever you need, we can make it*

## *Cableduct: The Art of Cable Management*

*Cableduct has been supplying cable management systems for over 40 years. The quality and flexibility of our products has led to us supplying some of the most prestigious projects. Big or small, let us help you.*

### Unusual Shapes

#### *Burberry Regent Street*



- Parallelogram floor box to fit a parquet floor
- Base designed to miss steel beams in sub floor

### Outstanding Quality

#### *One Hyde Park*



- Bespoke size to fit the floor
- Mirror polished box

### Inbuilt Flexibility

#### *Savil Building, Windsor Great Park*



- Bespoke width
- Bespoke length
- Adjustable in three dimensions

### Abnormal loads

#### *Tanaka Business School*



- Bespoke for designed for two tonne point load
- Gasketed to protect against water ingress

### To suit existing

#### *Senate House & Stewart House University College London*



- Bespoke sized floor box to fit existing screed
- Bronze floor boxes to match existing architectural features

### Shallow screeds

#### *World Duty Free*



- Socket box to fit in a floor of overall depth 55mm
- Enabling retail sections to move as required





### *Designed for excellence*

For the Burberry Flagship store the architects had chosen to launch a groundbreaking digital approach making them stand out from other luxury retailers, whilst also refurbishing the astonishing central atrium to its original features.

This required Cableduct to design floor boxes that could supply all the power and data needs whilst blending in to the unique architecture.

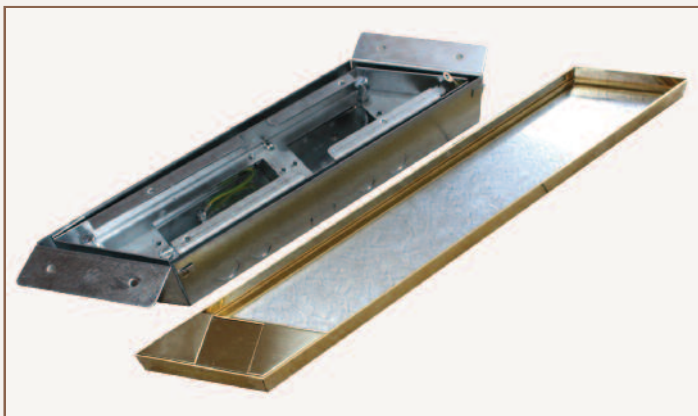
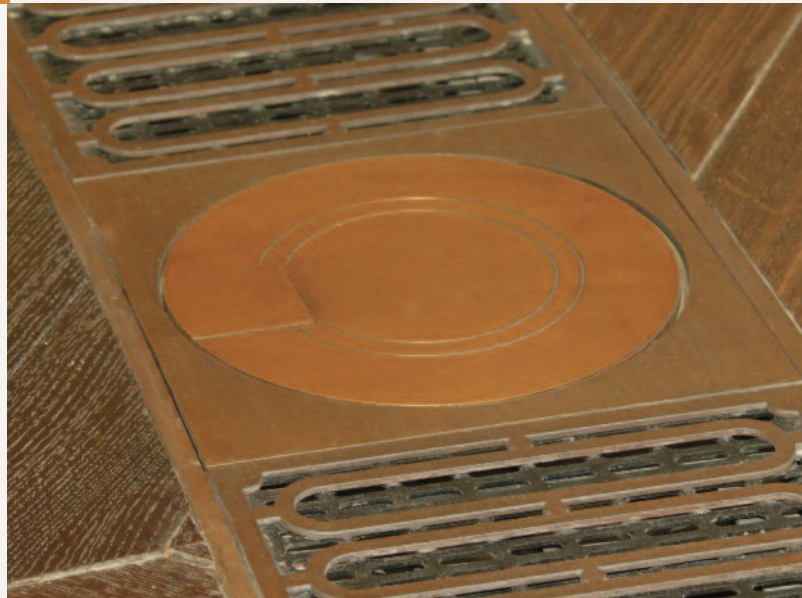
Covered here are just two of eleven unique designs. The first to fit the parquet flooring, and the second to fit in to a curved bronze ventilation grill.

As well as the bespoke top requirements for the floor boxes, they had to be designed to fit the parquet pattern whilst avoiding the steel beams making up the suspended floor system.

Cableduct's 700 series Stainless Steel floor box was the design basis. The round floor box was modified by producing a new diameter of spinning, and a bespoke outlet flap and etched flat lid was used. The outer frame of the box was reduced in height so that the flat lid of the surrounding grill covered it.

A parallelogram box was designed along the principles of the 700 series, but with a base box designed to be oversize in the lateral direction to allow fine movement, 150mm shorter than the covering lid to fit within the steel beams. The frame was then fitted with adjustment holes to allow the exact location of the parquet.

A bespoke outlet flap was designed to open within the parallelogram front section.



*Bespoke outlet flap*





## *Designed for Quality*

While secrecy surrounds the actual costs of One Hyde Park's luxury apartments, it's believed they start at £6.5 million for a one-bedroom flat and £140 million for one of the four penthouses.

One Hyde Park is the brainchild of design and development firm Candy & Candy, and this iconic building had the most exacting standards.

Bespoke floorboxes were designed to fit precisely into the thickness of a single hand crafted oak board.

The tops were supplied in a trimless stainless steel finish, with the top edges, outlet flaps and all visible parts mirror polished. Even the outlet plates inside the boxes were supplied in stainless steel.

The flaps had to be perfect, with any casting imperfections removed. Prior to installation they were inspected for flaws using a magnifying glass.

Although some floor boxes were used in the lounge, the majority were used in the bedrooms to provide facility for free standing lamps







## *Designed for flexibility*

For The Savill Building, Windsor Great Park it was important that the floor boxes blended in with the surrounding floor. To achieve this it was imperative that the edges of the box align perfectly with the edges of the planks.

Cableduct was asked to provide a floor box that would give adjustability in 3 dimensions, that could be made to suit the 30mm deep oak planks.

see our website [www.CableductUK.com](http://www.CableductUK.com)  
for further bespoke examples and project  
case studies

Cableduct's 700 series Stainless Steel floor box was used as a standard, but was altered significantly in order to accommodate the building's unique requirements.

Firstly, the overall width of the box was altered to suit the exact width of oak planks used.

Secondly, the base was enlarged and an inner frame fabricated that would allow 20mm lateral movement, allowing perfect positioning.

As with all standard boxes, an inner frame allowed height adjustability for accurate levelling.



Height adjustable

Box width made to suit plank  
size. 20mm adjustment in Y

20mm adjustment in X

*We design to your specification, without the high premiums  
usually associated with bespoke products.*

*Cableduct has been designing cable management products since the 1970s.  
This experience shows.*



### *Designed for strength*

Tanaka Business School opened in June 2004. This building provides Imperial College with a superb main entrance fronting Exhibition Road and additional accommodation for the Business School.

The development was designed by Foster and Partners, with the service designed by Buro Happold Consulting Engineers.

The glazed atrium a striking aspect of the new building providing year-round usable space. It was the need to provide electrical services in the area that provided Buro Happold with a problem: How to provide services in an area that required cleaning using a 3 legged cleaning boom that would apply point loads of up to 2 tonnes to the floor.

Cableduct designed a series of products to be used as junction boxes and service outlet boxes fed by underfloor trunking that would withstand these loads.

Firstly, the junctions boxes required were 400x400mm square, to fit in a screed of varying depth between 130-150mm. The boxes were supplied with a stainless steel lid and frame with a 25mm recess in the lid to accept the stone used on the atrium floor. This was made from 2.0mm stainless steel with a 6.0mm thick steel infill for further strength. Because of the size of the box a central support was provided, that had to be adjustable to cope with the varying screed depths.

The lid was fitted with gasket to protect the box when the floor was cleaned. Smaller stainless steel floor boxes, 325x260mm and also height adjustable, were also supplied, and provided with 3.0mm reinforced lids

*Cableduct is committed to continual product development, engaging with customers to feed their needs into the design process.*

As a result of this project we have now redesigned our 700 series floor box, and can offer a strengthened design that has been load tested.

This box is manufactured with a height adjustable inner frame as standard, with the lid and frame manufactured from 2.0mm stainless steel, and fitted with a 4.0mm galvanised strengthening plate. It can withstand a point load of 3kN for 24hrs with a permanent deflection of only 0.01mm. It sustained a safety load of 9kN, with failure occurring at 19.96kN.





## *Designed to match existing*

The principle driver for the University of London project was the expiry of the tenants lease for Stewart House, which is interconnected to Senate House; a 1937 Charles Holden designed Grade II listed building of 28,700m<sup>2</sup>.

BDP were responsible for the design, and they had a brief to provide a quality refurbishment, in a building that had ceilings and floors that were plain and had minimal features, within limited budget. Carpet tiles were used as a floor finish for the majority of the refurbished areas.

In order to achieve a substantial cost saving BDP asked Cableduct to design a floor box to suit the existing flush floor system that ran throughout the building, and also to provide some new trunking to match the existing where new runs were required, and junctions to suit.

BDP required the floor boxes to fit exactly within the width of the trunking with a length of 200mm. The 500 series box was therefore provided with fixing brackets to attach directly to the lip of the trunking. This enabled the maximum capacity of the trunking and box to be maintained. More than 900 boxes were provided, together with special sized power and data plates to suit



The second phase of the project, Senate House included sensitively introducing technology to the famous Senate House Library.

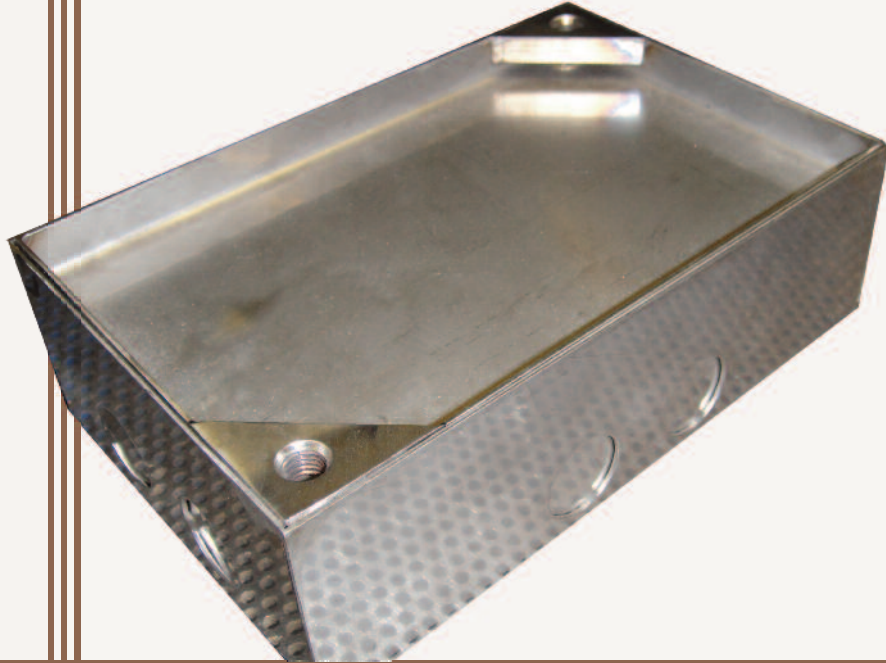
Cableduct adjusted the 700 series floor box, to a bespoke size, with the lid and made from Gilding Metal. A bespoke bronze outlet flap was cast, and both were then bronzed to match the surrounding metal work.

### *Designed for shallow screed*

World Duty Free Group operates a broad portfolio of store fascias predominantly in airports, in countries all over the world. They operate with partnership concession.

As concessions change, so must the displays, and they must enable their concessions to showcase their products to best effect.

Floor depth, however, is a major issue with only 55-65mm overall floor make up including the floor material.



Cableduct designed a stainless steel socket box to be placed in the screed, using only 30mm for the socket area, only 55mm overall with a 12mm recess in the lid to accept the floor tile.

Unlike a standard outlet box, the lid has to be removed when the box is in use. All boxes are located underneath displays, and the lid replaced if the display is moved, secured using the solid stainless steel corner blocks.