LANCHTULTON



Case Studies

Steel Louvred Screening Systems

Plant Housing I Bin Stores I Perimeter Fencing I Wall Cladding Brise Soleil I Balconies & Balustrades I Compounds I Ventilation Grilles



JAGUAR LAND ROVER

Product: Italia-100

Compounds for waste, chiller plant, data centre, filter

mist and smoking shelter.

Finish: Galvanized and polyester powder coated RAL7016

Project: Jaguar Land Rover's new £500 million engine

manufacturing facility is situated close to the M54 outside Wolverhampton. As it was impractical to install a perimeter fence for adequate screening from the motorway, Lang+Fulton supplied 5 separate compounds with double and single leaf gates made

from 400 linear metres of Italia-100 louvres.

Architect: Arup Associates









DUNFERMLINE HIGH SCHOOL

Product: Italia-80

Roof-top screen

Finish: Galvanized and polyester powder coated RAL9022

Project: A new environmentally-friendly £40 million building

with a projected occupancy of 1,800 pupils. The 2.7x1.65mm panels were supplied with angled frames and fixed to 3 horizontal rails which were attached to the structural framework. The school was awarded Best Education and Community Building by The Royal Incorporation of Architects in Scotland.

Architect: Fife Council Property Services









THE FORT, RETAIL PARK

Product: DeltaWing-90

Wheelie bin store.

Finish: Hot-dip galvanized

Project: The Fort is a large 'out of town' shopping and

leisure park located just outside Glasgow. The park incorporates a 'two-sided mall design' intended to recreate a traditional high street. At the end of 2013 Phase 2 of the development included 5 new restaurants and multi-screen cinema. The wheelie bin store was installed to cater for the discreet storage of

the additional waste.









GREAT WESTERN STUDIOS NOTTING HILL

Product: Italia-80

Custom-sized panels on a support structure designed by Big-Foot Systems which ensured that there was no penetration of the surface roof membrane

Galvanized and polyester powder coated RAL7043

Finish:

Project:

107 workspaces for artists. The panels formed an effective visual screen to the roof-mounted air conditioning plant and ancillary services, which met with the approval of the local Planning Authority. The free area was an important factor in reducing the

potential wind loading.

Architect: Glenn Howells









THE ROCK, BURY

Product: Italia-80 and Italia-100

Secure screening and ventilation to electricity sub-

stations.

Finish: Galvanized and polyester powder coated RAL7022

Project: A 1.6million sq ft mixed use development.

Lang+Fulton supplied 300m2 of custom-sized panels together with 20 sets of doors for the street-front elevations of the electricity sub-stations. These were made to fit the structural openings with concealed ancillary steelwork. 2.8m high Talia-80 was also used in the car park to create an internal visual screen

Architect: BDP









MARISCHAL COLLEGE ABERDEEN CITY COUNCIL

Product: Italia-80

Wall cladding providing visual screening of car park.

Finish: Galvanized and polyester powder coated RAL7040

Project: A new 4-storey car park to service an adjacent

refurbished Grade A listed building. 716m2 of panels were supplied to a standard design with custom-sized closing panels. These were fixed to 100x50RHS posts centred at 1.7m which were attached to the main structural steel framework. There were 3 fire

exit doors with self-closing devices.

Architect: Holmes Partnership. The design was worked up

jointly with Lang+Fulton.









NORTH KENT POLICE HQ

Product: Italia-100

154m perimeter fencing, 2270mm high; 40m fencing, 3000mm high around generator plant; 3 sliding and 2

double-leaf gates

Finish: Galvanized and polyester powder coated RAL7024

Project: A landmark building of 11,500m2 at Ebbsfleet Valley,

Kent. The louvred fencing supplied by Lang+Fulton was mounted on a dwarf wall to protect against the possibility of ramming by carjackers and was required to provide a high level of security and visual

screening.

Architect: Glenn Howells



Product: Italia-80

250m balustrading; 3 compounds around ventilation plant and service areas, seven single-leaf gates for

maintenance access

Finish: Galvanized and polyester powder coated RAL7016

Project: Housing development featuring three communal roof

gardens. The 1200x1642mm panels were framed with 50x50x3mm angles for bolting to the structural

framework.

Architect: Munkenbeck and Marshall

TRANENT PRIMARY SCHOOL

Product: Italia-80

7 pairs of double-leaf hinged gates

Finish: Galvanized and polyester powder coated RAL7024

Project: A £9.6 million Primary School. The gates were

fabricated to exacting dimensions and supplied with adjustable hinges to fit within the brickwork surround of an extensive bin store and recycling area adjacent to the school building. They were mounted on

100x100x4 SHS posts.

Architect: Midlothian Council

























THE BOAT HOUSE, BRISTOL DOCKS

Product: DeltaWing-70

Framed panels designed as a brise soleil to reduce the potential solar gain from the glazed frontage at

penthouse level.

Finish: Galvanized and polyester powder coated RAL7016

Project: The Boat House apartments form part of the

redevelopment of Bristol Harbour. The sunscreen panels ensured there was no requirement for the provision of air conditioning which contributed to the development's BREEAM or EcoHomes 'Excellent'

rating.

Architect: AWW









NEWHAM MENTAL HEALTH CENTRE

Product: Italia-80

Bespoke compound with additional cantilevered

extensions, mitred at the corners.

Finish: Galvanized and polyester powder coated RAL7016

Project: Newham Mental Health Centre is run by East

London NHS Foundation. A compound was required to accommodate a standby generator and air-conditioning unit providing a high level of security and

visual screening for a sensitive site.

Architect: Bailey Garner









SCIENCE PARK PERIMETER FENCING

Product: DeltaWing-90

Perimeter fencing, gates and decorative entrance

infill panels.

Finish: Galvanized and polyester powder coated RAL7040

Project: DeltaWing-90 provided the appropriate amount of

security and visual screening for the prestigious outof-town business premises of a leading technology company. The project included feature panels mixed with polished sandstone as part of an imposing

entrance.









THE STEWARD BUILDING SPITALFIELDS, CITY OF LONDON

Product: DeltaWing-90 Stainless Steel

Ventilated wall cladding incorporating a sliding door.

Finish: AISI 304 grade, electropolished, satin finish.

Project: A landmark building in the regeneratioon of

Spitalfields, situated within the historically and architecturally interesting Artillery Passage

Conservation Area. The specification demanded the highest quality of stainless steel louvre as a street front cladding screen on two elevations of a prime

office development.

Architect: Allford Hall Monaghan Morris



JOHN ANDERSON BUILDING STRATHCLYDE UNIVERSITY

Product: Italia-80

Screening compound for roof-top plant.

Finish: Galvanized and polyester powder coated RAL9005

Project: The John Anderson Building which houses the

Departments of Physics and Civil Engineering was built in the brutalist style in 1971. The building was extended and refurbished in 2013 to include a new plantroom on the roof-top parking area which

required a screening compound.

Architect: Hypostyle Architects









LESSER HAMPDEN, GLASGOW

Product: Italia-100

Fencing to provide 100% screening.

Finish: Galvanized and polyester powder coated RAL7016

Project: Lesser Hampden is situated adjacent to Hampden

Park Stadium which was the venue for the track and field events of the 14th Commonwealth Games in Glasgow. It was used as a warm-up area for competitors and 125 metres of the perimeter was enclosed with an Italia-100 fence to prohibit the view of the public while the athletes completed their

routines.

Architect: Holmes Miller









MERCHANT SQUARE, PADDINGTON BASIN

Product: Italia-80

98m fencing in 10 different heights (2100-2650mm) to ensure a level top line across the stepped ground

Finish: Galvanized and polyester powder coated RAL7024

Project: A Canal Edge Improvement Plan aimed to establish

the basin as a focal point for recreation. The Italia-80 fence was chosen as a robust and aesthetic solution to screen the adjacent car park of St Mary's Hospital. The fencing was bolted through base plates to a strip

footing within a new canal wall.

Architect: Robin Partinton Architect

Townshend Landscape Architects









ST MATTHEWS ESTATE, BRIXTON

Product: Italia-80

Six bin stores individually designed using a variety of materials for added interest: Italia-80, Piazza-44

grating and laser-cut steel panels.

Finish: Galvanized and polyester powder coated RAL7035

Project: A radical redesign aimed to create a more sociable

estate with pedestrian priority: providing play areas, growing spaces and seating. One of the bin stores was combined with a recycling centre; another with a

timber clad storage section for garden tools.

Architect: Anna French Landscape/Tom Roberts Associates









CALEDONIAN UNIVERSITY

Product: DeltaWing-90

Infill screening panels

Finish: Hot-dip galvanized

Project: Phase 1 of screening within an undercroft kitchen

plant area as part of the Heart of Campus Project at the University. The plant housing features radiused upper panels to fit the arched contour of the bridge as well as two double-leaf gates. The posts were base-plated for bolting to a concrete slab.

Architect: Page/Park Architects









CHELMSFORD SPORTS CENTRE

Product: Italia-100

120m fencing 1600mm high

Finish: Galvanized and polyester powder coated RAL7024

Project: A major refurbishment of Chelmsford Sport and

Athletics Centre. The Talia-100 panels were supported by 80x8mm flat bar posts with base plates concealed within the wall with a coping layer of

oricks.

The 100% visual screening fulfilled Chelmsford City FC's aim of finding an economical and practical solution to prevent fans from watching a match

without purchasing tickets.









CROFT THEATRE, ALLEYN'S SCHOOL DULWICH

Product: Italia-80

53 linear metres of 1850mm high screening including

7 single and 2 double-leaf doors

Finish: Galvanized and polyester powder coated RAL7016

Project: A £12.5 million theatre boasting the latest technology.

Design and supply of roof-top screening to obscure the extensive air conditioning and service plant. Detailed fabrication drawings were submitted for approval as the panels and doors had to be individually sized to fit around the piping and

ductwork.

Architect: van Heyningen and Haward









CASTLE COURSE, ST ANDREWS

Product: Italia-80

2 pairs of double gates, 2400mm high

Finish: Galvanized and polyester powder coated RAL8011

Project: Screening gates for a prestigious new club-house.

The 3800mm wide sliding gate was specially made as a bi-parting design to withstand the strong wind loadings of the exposed site. The double-leaf hinged gate was 2100mm wide. The gates were fitted with euro-profile cylinder locks and anti-lift drop bolts. A dual protection finish was recommended for the

coastal location.

Architect: Fraser W Smart









HOUSING ASSOCIATION APARTMENTS

Product: DeltaWing-70

Residential balustrade and pedestrian gates

Finish: Galvanized and polyester powder coated RAL7016

Project: DeltaWing-70 was used as a balustrade to enclose

the front courtyards of a residential development. The fencing was mounted on a dwarf wall with the louvred panels providing privacy without significantly reducing the level of natural daylight to the ground

level apartments.



BIKE STORE, HALE VILLAGE, LONDON BOROUGH OF HARINGEY

Product: DeltaWing-45

Secure bike storage area.

Finish: Hot-dip galvanized

Project: The vision for Hale Village is to be a sustainable,

high quality, urban development which will act as a catalyst for the regeneration of Tottenham Hale. In addition to student accommodation, The Newlon Housing Trust has delivered 542 affordable homes. A secure bicycle storage area has been created within the parking undercroft of Albermarle Court using

robust panels of Delta-45

Architect: KSS Design Group and Cartwright Pickard









RESIDENTIAL DEVELOPMENT

Product: Product: DeltaBox-70

Louvred panels as a functional as well as distinctive architectural feature at a high specification development of four residential units.

Finish: Galvanized and polyester powder coated RAL9005

Project: Framed panels were used to secure a roof-top

terrace and to create a first floor balcony area. Fixed screens of DeltaBox-70 were also positioned across the window openings on the side elevations to establish privacy between the adjacent properties

and to enclose the undercroft parking.









GRANTS QUAY, BILLINGSGATE CITY OF LONDON

Product: Italia-100

Screening panels and double doors.

Finish: Galvanized and polyester powder coated RAL7024

Project: London Thames Riverside Walk Enhancement: the

creation of a public space with new landscaping and environmental improvements. Talia-100 was used to enclose the lower area of a public access stair, providing a secure, screened storage area at St Magnus House, Grants Quay Wharf. Panels and doors were shaped and fitted to the existing

structure.

Architect: Bere Architects



PORT LAOIS, IRELAND

Product: Italia-80 and Italia-40

160 linear metres of screening with an overall height

of 2800mm

Finish: Galvanized and polyester powder coated RAL7016

Project: An urban park commended by The Civic Trust

Awards Scheme. Panels of Italia-40 provide ventilation to the lower floor of car parking with Italia-80 to the raised level, offering the required visual screening. The support steelwork for the panels was fixed to the underlying concrete structure at an angle to create an interesting architectural effect

Architect: Milligan Reside Larkin









TORC INDUSTRIAL ESTATE MILTON KEYNES

Product: Italia-80

4 bin stores, 1800mm high

Finish: Galvanized and polyester powder coated silver

RAL9006

Project:

A prime industrial development consisting of twelve warehouse units. Two bin enclosures were 4m wide, the other two were 5.2m wide with pairs of double doors. Posts were fitted with base plates for ground fixing to concrete foundation. A 50x50mm RHS galvanized bump rail was fitted to the interior for added protection from the industrial wheelie bins.

Architect: Volume Developments

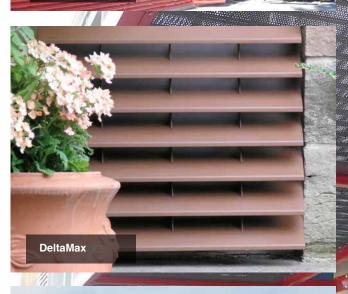












Corona



DeltaMax, Corona and CoronaBrise are new louvred products. The exceptional size of the louvres make them particularly suitable for larger scale projects; with excellent anti-climb properties for wall cladding.

Alternative applications:

- · to conceal an underlying surface
- to ventilate a structural opening, with concealed ancillary steelwork
- to provide a self-supporting panel/post system of visual screening

Corona

Louvre Centres: 116.5mm Panel (hxw): 1972x1800 Visual Screening: 92% Gap between Louvres: 9mm Panel Depth: 45mm Free Area: 14%

CoronaBrise

Hole Diameter: 4mm Pitch Dimension: 8mm centre/centre
Pitch Configuration: 60 degrees staggered Bridge: 4mm
Open Area of Perforated Surface: 22.7% Free Area: 35%

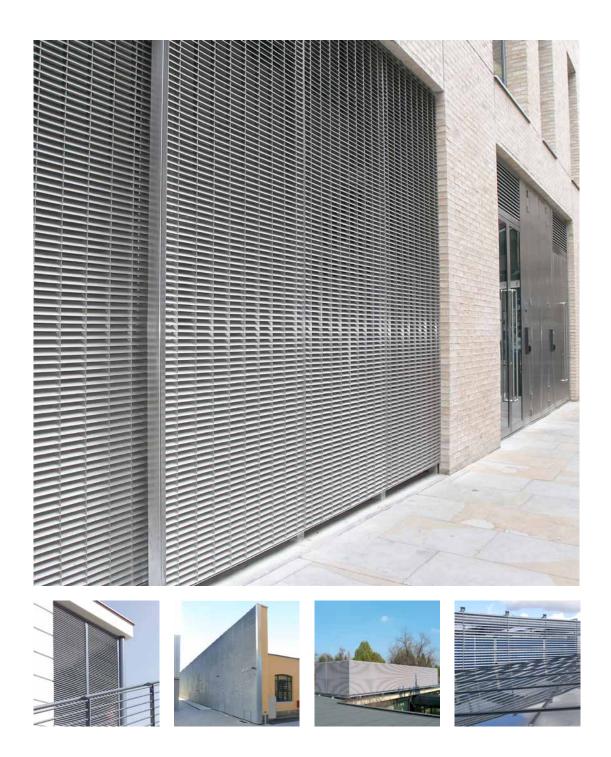
DeltaMax-100

Louvre Centres: 66mm Max Panel (hxw): 2000x2000mm Visual Screening: 100% Gap between Louvres: 0mm Panel Depth: 67mm Free Area: 55%

DeltaMax-75

Louvre Centres: 99mm Visual Screening: 75% Gap between Louvres: 26mm Free Area: 60%





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