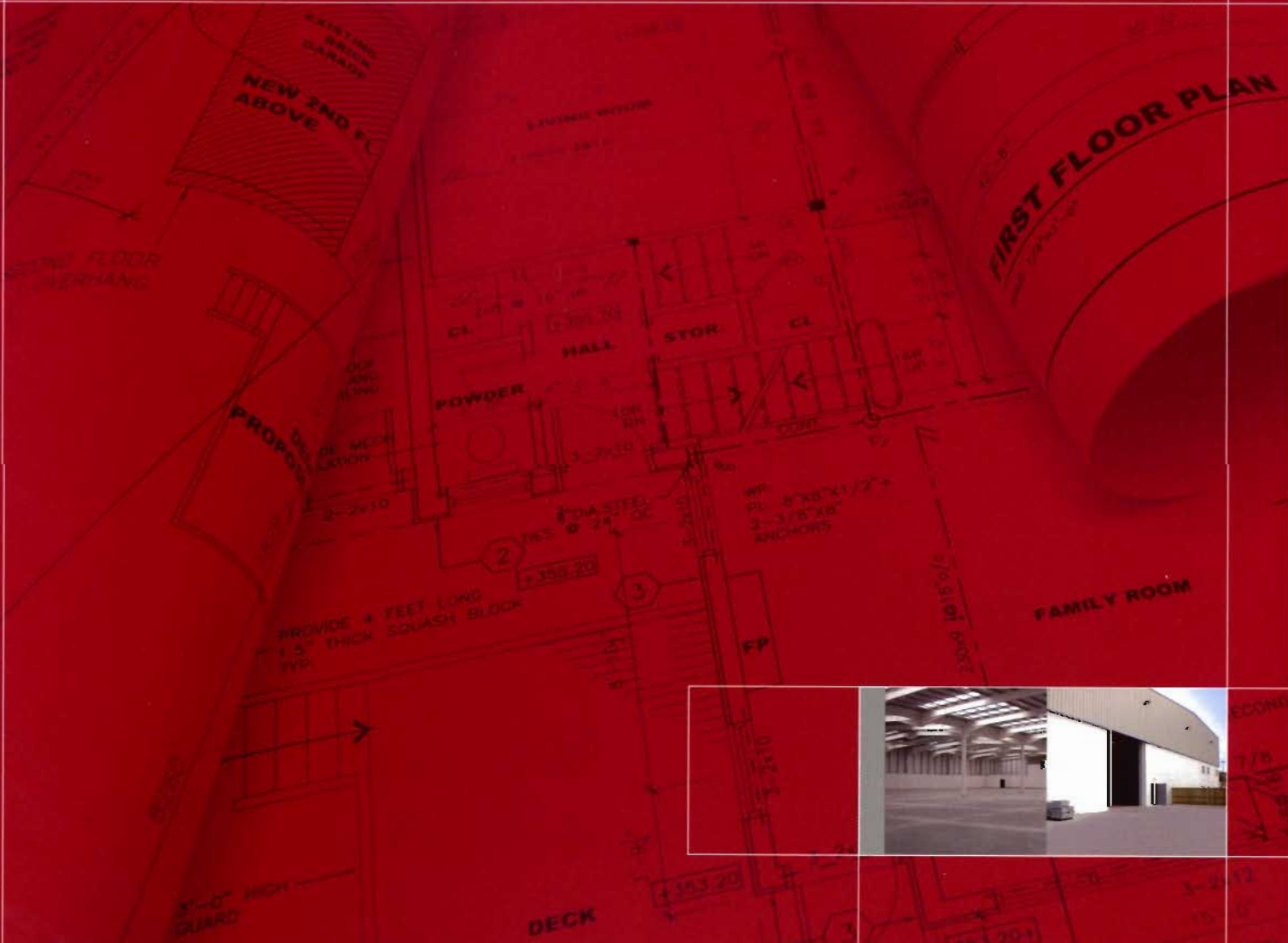




O'REILLY
—concrete—

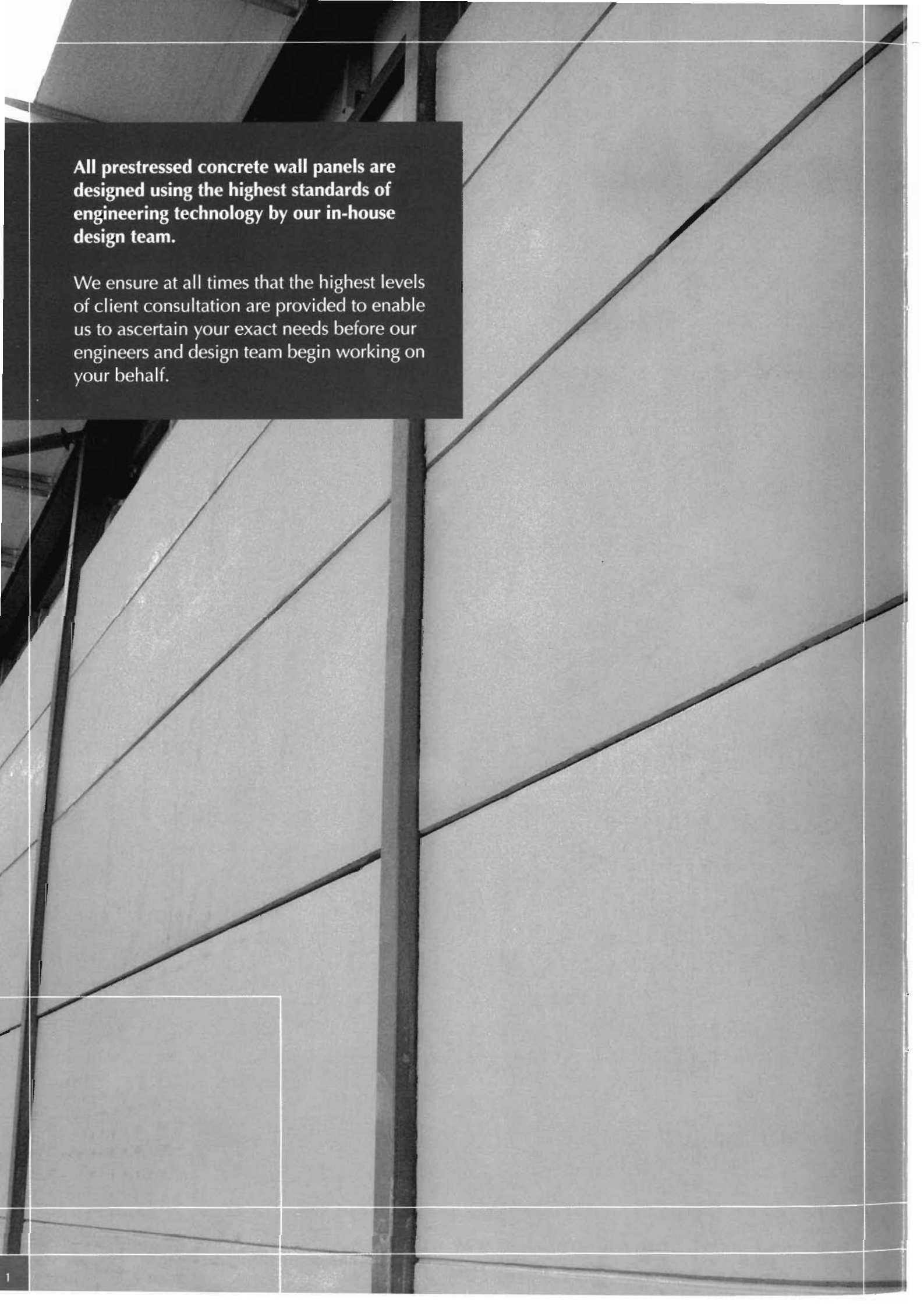
PRESTRESSED WALL PANELS

Designed and engineered to work



Wall Panel Solutions



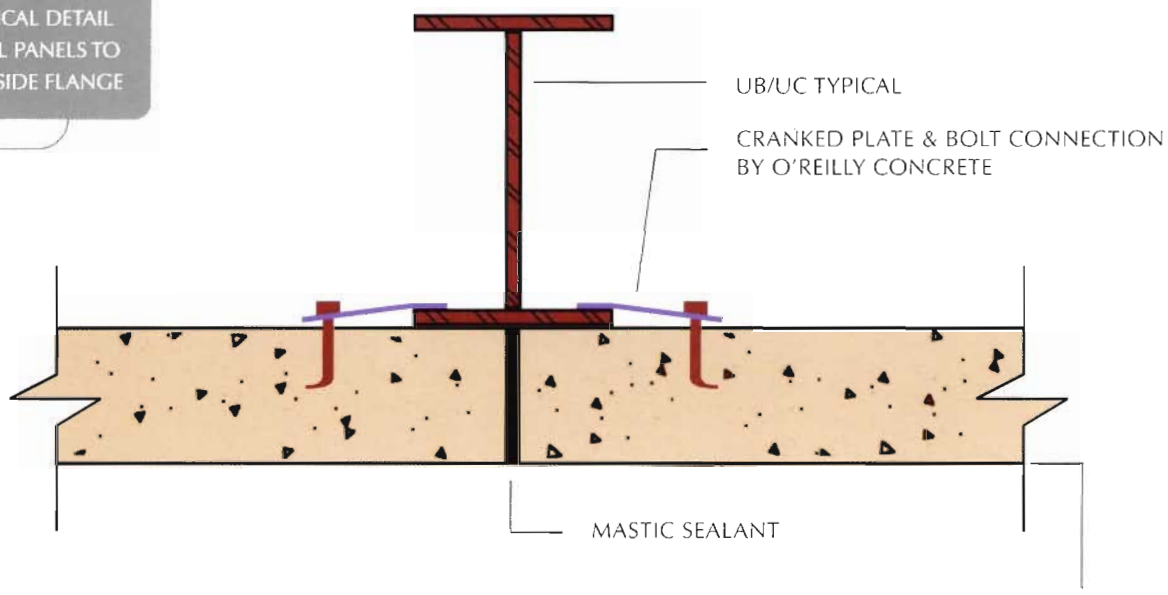


All prestressed concrete wall panels are designed using the highest standards of engineering technology by our in-house design team.

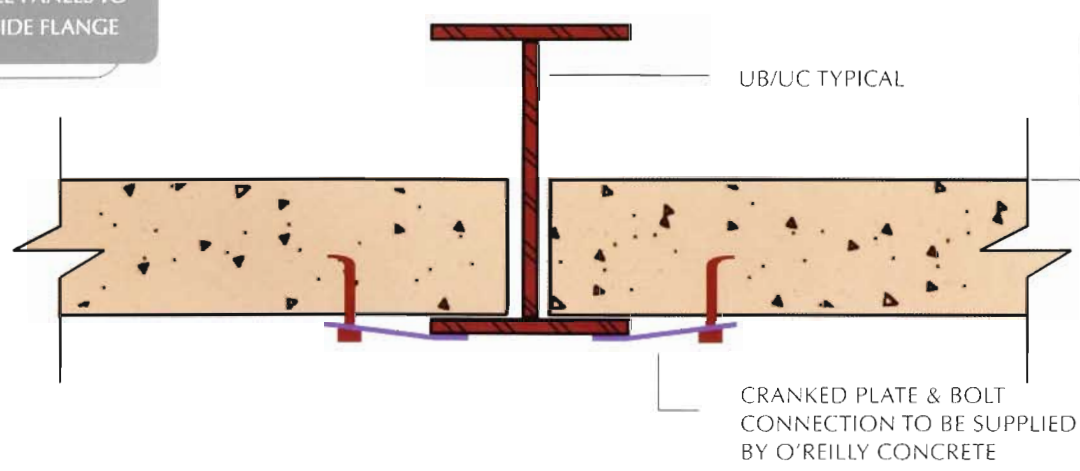
We ensure at all times that the highest levels of client consultation are provided to enable us to ascertain your exact needs before our engineers and design team begin working on your behalf.



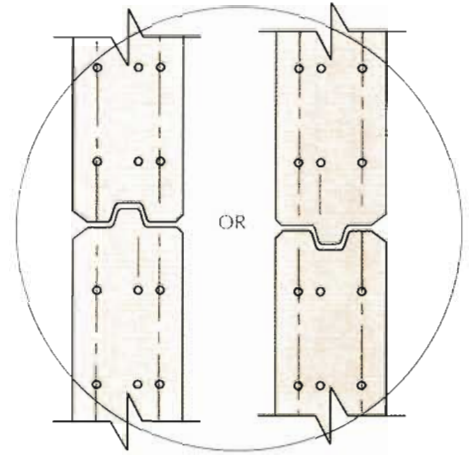
TYPICAL DETAIL
WALL PANELS TO
OUTSIDE FLANGE



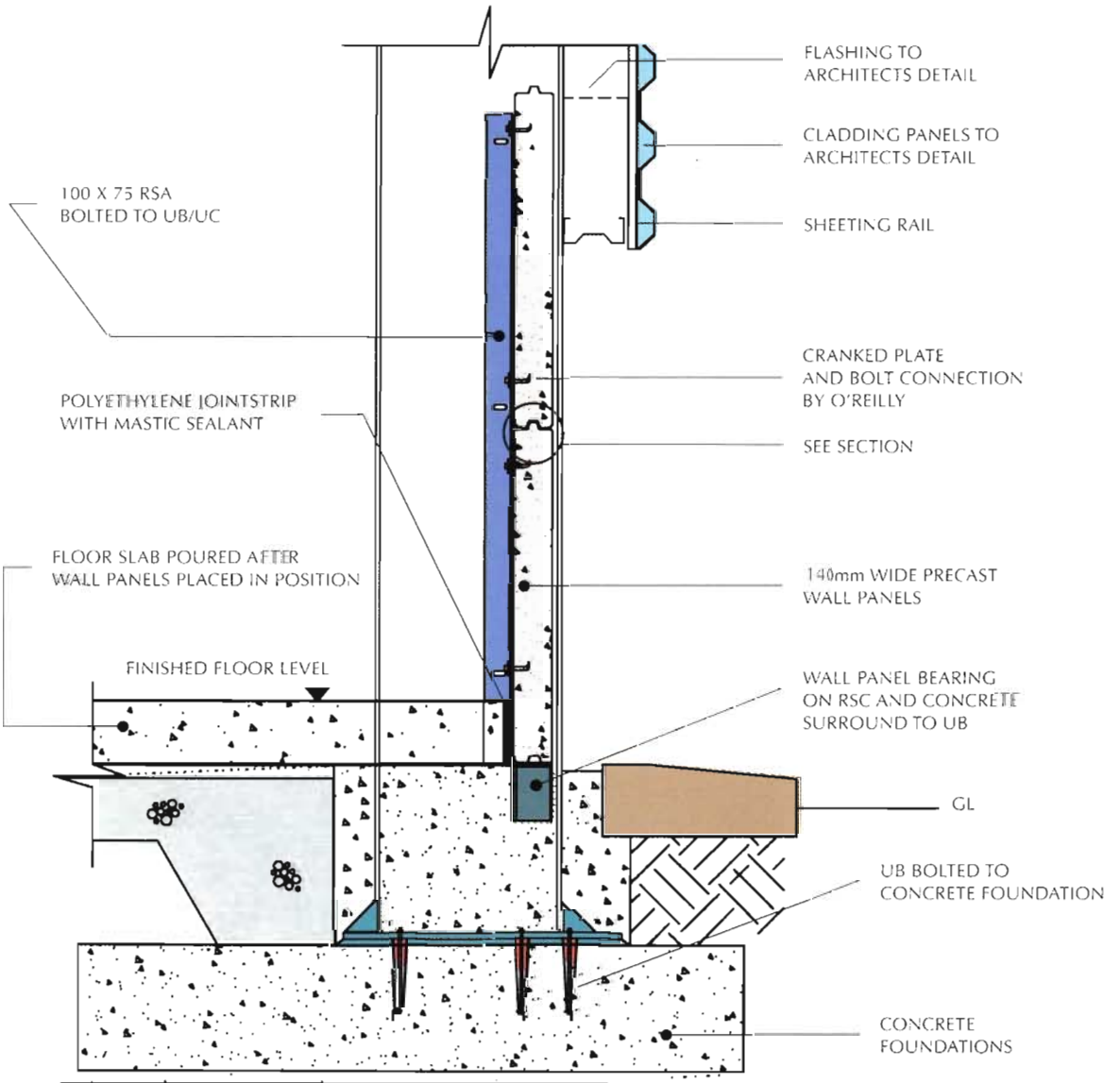
TYPICAL DETAIL
WALL PANELS TO
INSIDE FLANGE



Section View



SECTION



TYPICAL SECTION THROUGH BUILDING

PHOTO TOP LEFT - LORRAC DEVELOPMENTS - INDUSTRIAL UNITS, DULEEK BUSINESS PARK, DULEEK, CO. MEATH.



General Applications

Wall panels are a construction system widely used throughout Europe. The units are prestressed and so this allows you maximum strength with minimum wall thickness.

Wall panels have a wide range of applications and are particularly suitable for industrial units, storage units, bulk grain stores, general warehousing, earth retaining walls, compost storage, etc.

Our wall panels can be designed to suit your exact needs. The walls may be built horizontally or vertically depending on the job. Four different sizes are available, 1000mm/1200mm/1500mm/2400mm.

Interlinking Joints

The edge detail of each unit is designed to form a tongue and groove joint. This joint not only locks units together during construction, but also acts as a load transfer to spread loads between all units in a wall.

This feature is particularly useful in dissipating impact loads from vehicle collision. The joints are also designed to accept a Polyurethane Mastic Sealant to provide a watertight seal.

Benefits for Users

Time is money! The most obvious benefit for developers is speed of erection. O'REILLY Concrete can erect as much as 400sqm. of walls in one day. The system eliminates the need for wet trades, and so improves production schedule times.

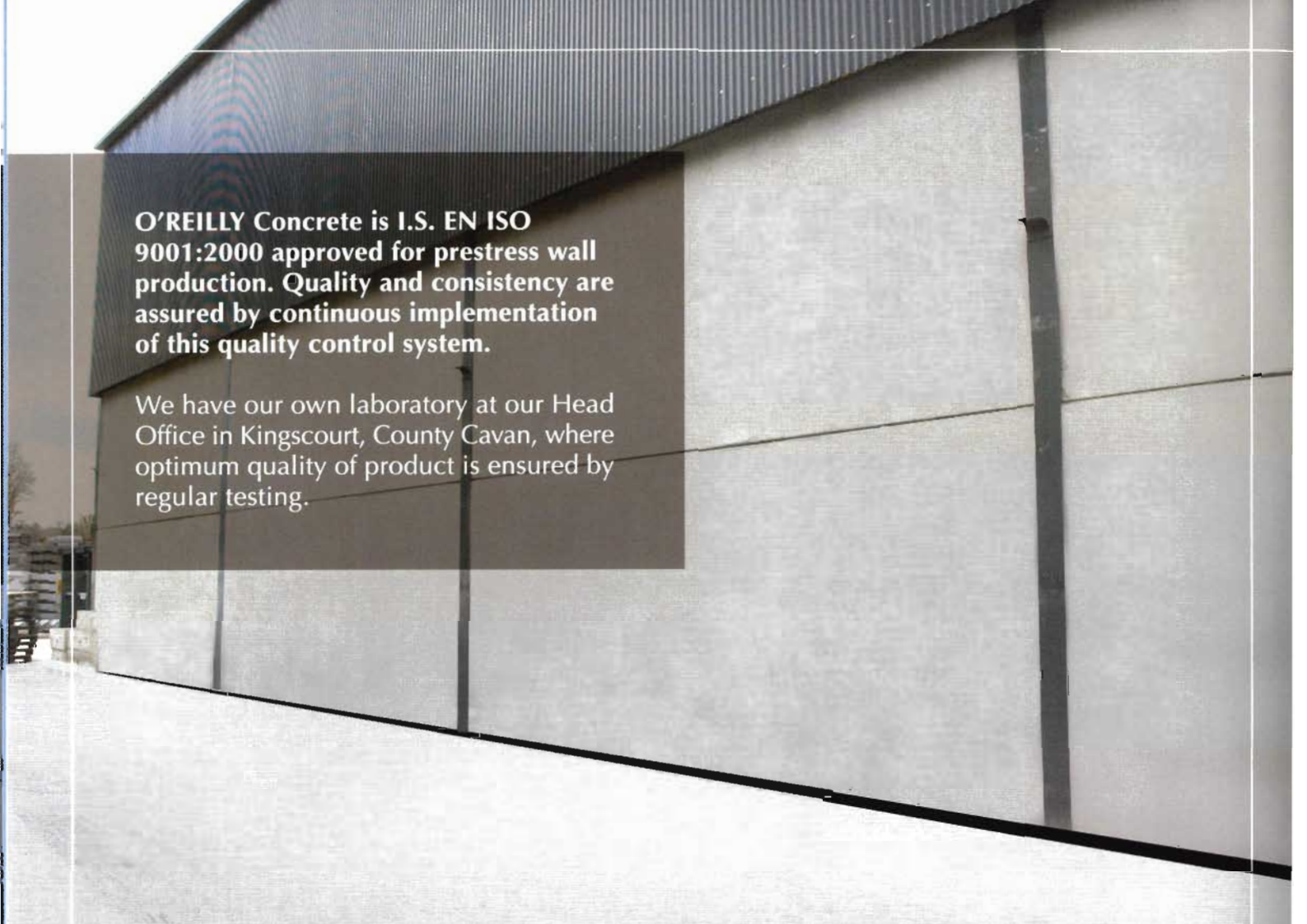
In comparison to traditional construction methods O'REILLY Wall Panels provide a more cost effective solution.

Fire Retardation

Concrete is a non-combustible material therefore O'REILLY Wall Panels provide a higher degree of fire resistance than most other building materials.

Wall Panel Solutions

PHOTO TOP LEFT TO RIGHT -
P. ELLIOTT - RETAIL UNITS, BLACKWATER BUSINESS PARK, NAVAN, CO. MEATH. DIMPCO - INDUSTRIAL UNITS IN SWORDS, CO. DUBLIN.



O'REILLY Concrete is I.S. EN ISO 9001:2000 approved for prestress wall production. Quality and consistency are assured by continuous implementation of this quality control system.

We have our own laboratory at our Head Office in Kingscourt, County Cavan, where optimum quality of product is ensured by regular testing.

Quality Control

All equipment is calibrated externally with appropriate certification and supporting documentation is available for inspection on request. Concrete sample cubes are made daily and are cured in the prestress beds under identical conditions to the wall panels.

High Strength Design

High Strength is built into all O'REILLY wall panels. The standard units are cast from 140mm thick, high strength engineering grade concrete. The reinforcing is designed to match the intended loads utilising low relaxation, 9.3mm indented prestressing strands. The number of reinforcing strands and their position within the section, give the characteristic performance of each unit.

The concrete used in the manufacturing process has been designed in accordance with BS 8110. Typical strength at de-moulding is 30N and at service is 50N.

O'Reilly Concrete

O'REILLY Concrete has been in business for the last 50 years. Our main office is in Kingscourt, Co. Cavan. We also have concrete production facilities at Taghart, Bailieborough, Co. Cavan and at Feahoe, Carrickmacross, Co. Monaghan.

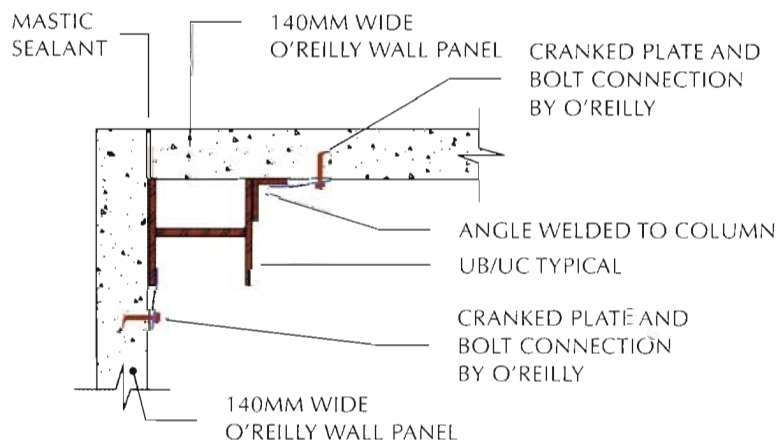
O'REILLY Concrete manufacture Precast Walls, Prestressed Floors, Concrete Stairs, Superstructures, Precast Attenuation Tanks, L Walls, Retaining Walls and a wide range of Precast Products.

Our company has achieved I.S. EN ISO 9001:9002 approval. Our management and staff have a renowned commitment for quality and service. O'REILLY Concrete is a registered name of O'REILLY Bros. Ltd.

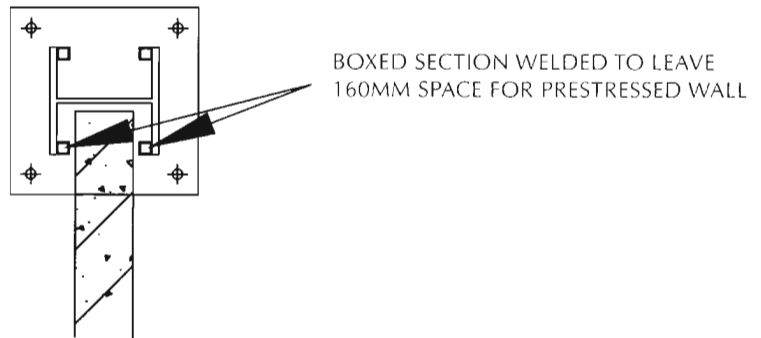
www.oreillyconcrete.com



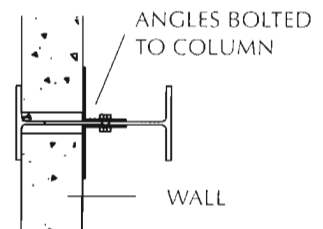
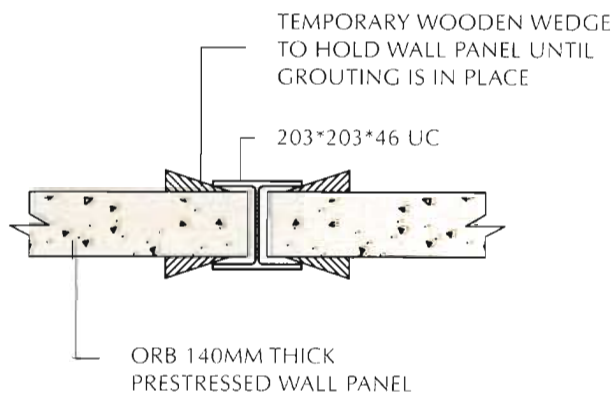
TYPICAL CORNER
DETAIL



BOXED SECTION
WELDED TO
STEEL COLUMN



ORB 140MM
THICK WALL PANEL

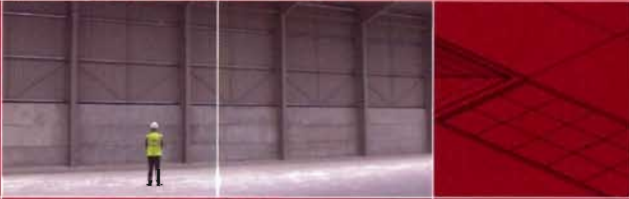


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Irish Concrete Federation



IS EN ISO 9001:2000



Irish Precast Concrete Association



O'REILLY
—concrete—



OAKSTOWN
BAF System



Barleystone
THE PERFECT FINISH



CONCRETE FLOORING