AUSTRALIA'S LARGEST PEDESTRIAN FENCING MANUFACTURER

AUSTRALIAN MADE WITH AUSTRALIAN STEEL

Complies 100% with TfNSW specifications

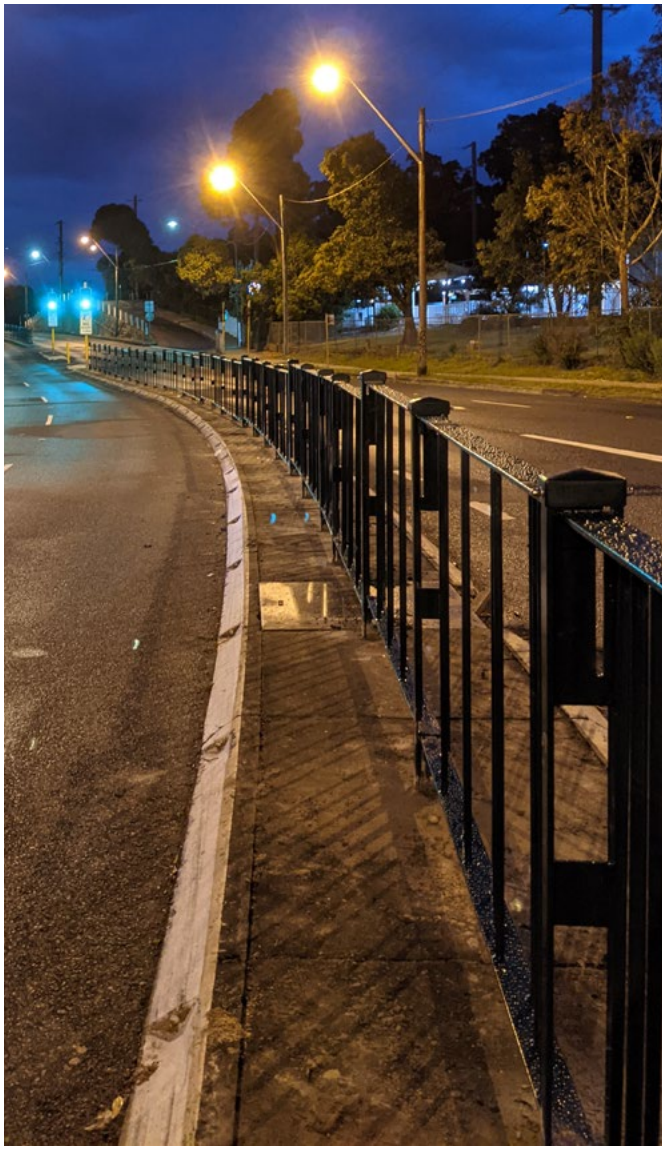
encat.com.au

OUR STORY

Encat started in 1989 as an engineering firm focused on anticipating and meeting the production requirements of BlueScope BHP blast furnaces. However, thanks to the design-oriented enthusiasm of its founder John and the creative and technical expertise of the Encat staff, Encat began to manufacture and distribute a range of metal products and so developed the comprehensive range we now offer today.

Encat's beautifully designed, elegant products represent creative yet high-quality, durable solutions. Our products are always evolving, in form, design, manufacture and environment. We innovate using today's technology to create even more effective, attractive and stronger products. We pride ourselves on meeting and exceeding our customers' expectations in terms of price, delivery time, quality, and durability. We are engineering excellence in every aspect.

Encat's head office and main manufacturing facilities are located in Unanderra NSW, only 5 minutes south of Wollongong. We ship our products Australia wide and to many countries worldwide.



EXCEEDING REQUIREMENTS IN QUALITY AND SERVICE

AUSTRALIAN MADE WITH AUSTRALIAN STEEL

We utilise Australian made materials to ensure the highest standards of quality. We use Australian steel and comply 100% with TfNSW specifications.

FAST LEAD TIME

We have the design, engineering, powdercoating and manufacturing capabilities in-house, allowing us to produce quickly and consistently.

COMPETITIVE PRICE

By sourcing local materials, we are still able to remain price competitive with imports.

30+ YEARS EXPERIENCE

We have been working with steel and other materials for over 30 years. We have the first-hand experience and expertise to help you with your next job.

INNOVATIVE DESIGN

Attractive, durable, high quality. We can re-configure your designs to meet unique specifications and resolve installation issues.

100% RECYCLED STEEL

We use recycled steel where possible to help with current and future environmental concerns.

AUSTRALIAN MADE

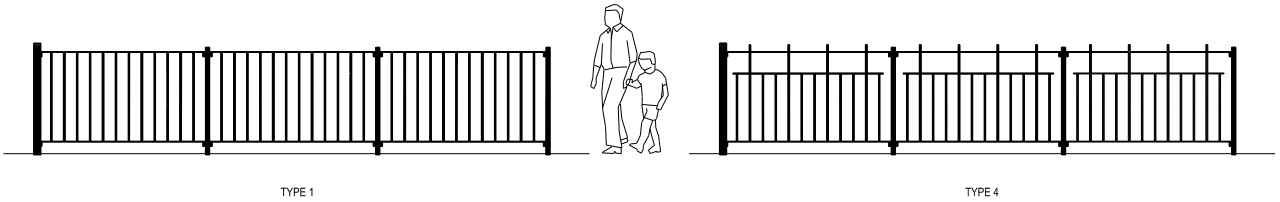
Australian Standard

InfraBuild

oxytech Powders that Excite!

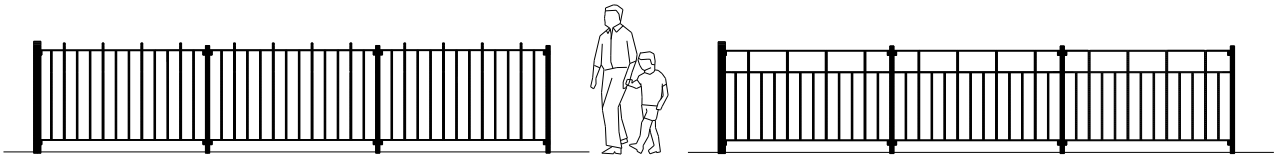
INDUSTRIAL GALVANIZERS
A valmont COMPANY

PEDESTRIAN FENCING DRAWING SET



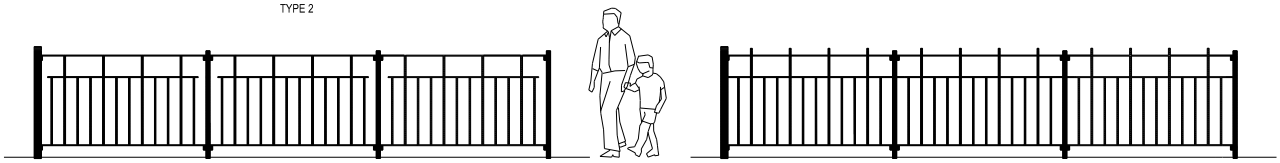
TYPE 1

TYPE 4



TYPE 2

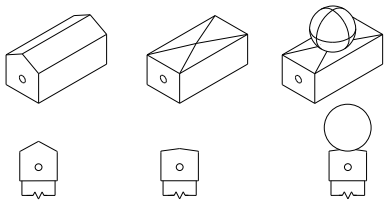
TYPE 5



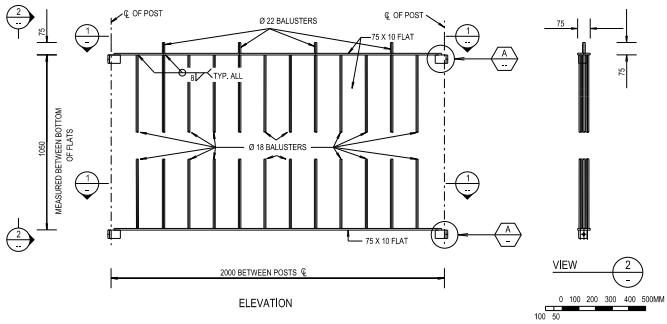
TYPE 3

TYPE 6

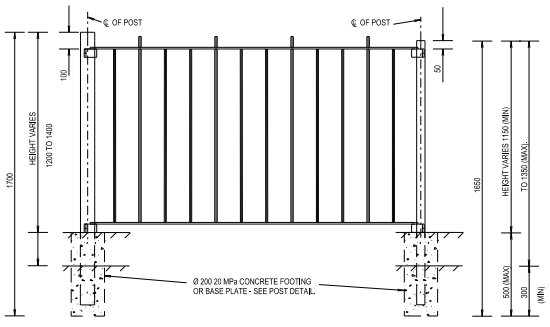
EMBELLISHMENTS



CAPS

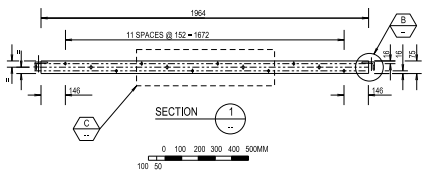


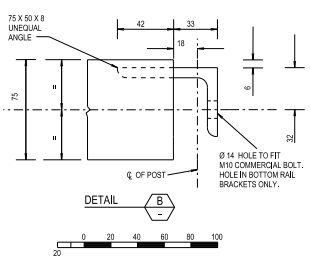
ELEVATION

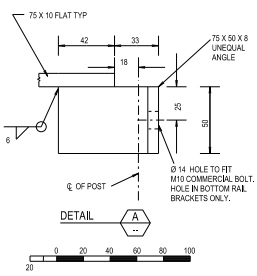


END POST

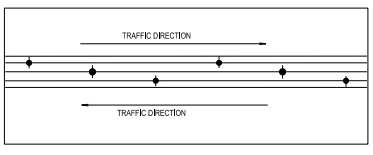
INTERMEDIATE POST







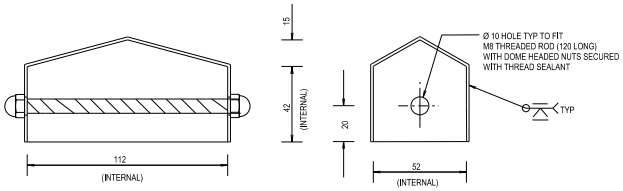
ANGLE BRACKETS



DETAIL C

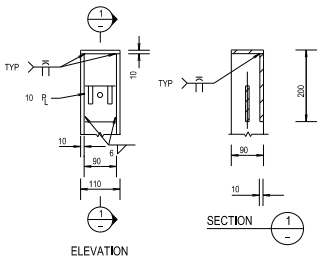
ENCAT METAL & CIVIL

AUSTRALIAN MADE
WITH AUSTRALIAN STEEL



DETAIL OF INTERMEDIATE GABLE POST CAP

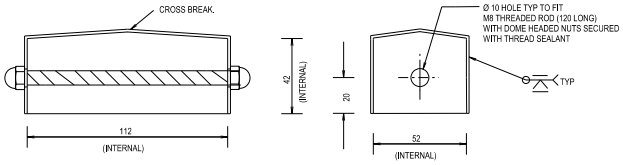
NOTE: FABRICATED FROM NOM. 1.6 SHEET.



TOP COVER PLATE

0 100 200 300 mm

100 50



DETAIL OF INTERMEDIATE CROSS BREAK POST CAP

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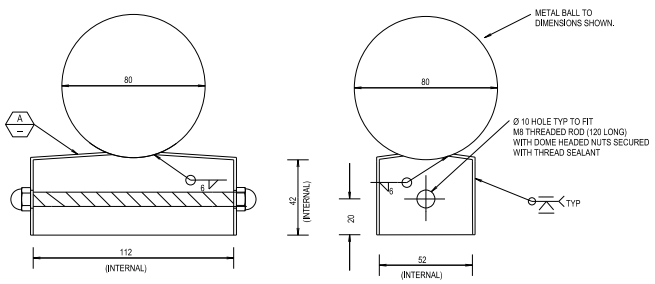

DETAIL OF INTERMEDIATE SPHERICAL POST CAP

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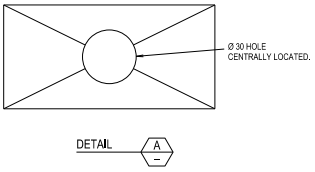
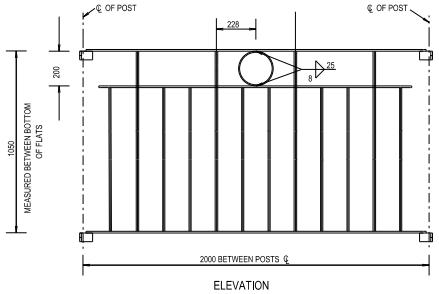
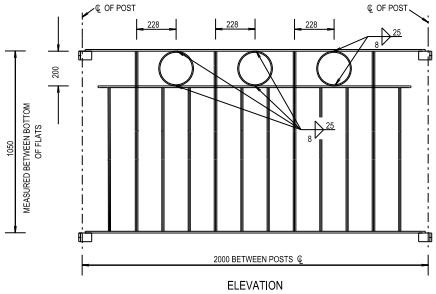




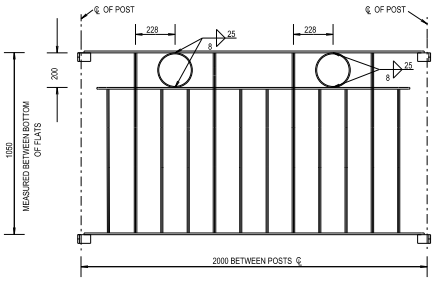
ELEVATION

1 CIRCLE



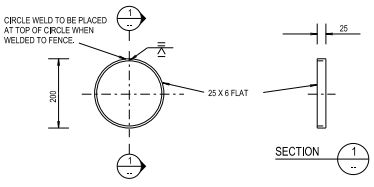
ELEVATION

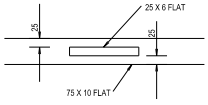
3 CIRCLES



ELEVATION

2 CIRCLES





PLAN

BUILT WITH PASSION & EXPERIENCE

With over **30 years' experience**, we're always looking to find new and interesting ways to balance regulations, safety and specifications.

We are the professionals of creating competitive products designed with functionality, quality and longevity. Seaside environments are our specialty.

Our products are always evolving, in form, design, manufacture and environment.

WHO WE'VE WORKED WITH

lendlease

National Parks & Wildlife Service NSW

wollongong city of innovation

University of Wollongong Australia

TAFE NSW

City of Los Angeles Founded 1781

NSW Transport for NSW

Transport

Waverley Council

acciona

Fulton Hogan

Rockhampton Regional Council

Pedestrian fencing is designed to create a physical barrier that ensures pedestrians do not cross the road at inappropriate locations where they may run a high risk of colliding with a vehicle.

The installation of pedestrian fencing is hence designed to corral pedestrians to crossing roads where it is safer to do so. While pedestrian fencing is not designed to deflect or arrest an errant vehicle or prevent injury to pedestrians, in the same way that road safety barriers do, it does have stringent NSW specifications regarding such elements as the welding and materials. It is engineered in a way so that the fencing panels deform and collapse as a whole in a pre-determined, designed way when impacted. The individual steel elements are designed NOT to spear, detach or become projectiles that may injure pedestrians or vehicle occupants.

Unfortunately, many of the pedestrian fences currently installed throughout Australia are non-compliant with respect to the materials and/or welding as set out by the TfNSW specifications. In the event of an accident, non-compliant fencing can cause pedestrians, the vehicle, and occupants of the vehicle, far greater damage. The steel components of the fencing can break loose and 'spear' or projectile into persons in and around the impact zone. Encat's network of customers have brought to our attention many non-compliant fencing installations that have been involved in accidents where the fences have literally fallen apart upon impact. Our expert opinion is that these products have either incorrect welding or materials or both. Of even more concern is that the non-compliant fencing is often sold with "certificates of compliance".

Encat's fencing meets all Australian stringent technical standards with high quality Australian steel and experienced personnel, making it an obvious, and safe, choice.

Non-compliant fencing products

> *I have witnessed first-hand the effectiveness of pedestrian fencing. Encat supplied a section of pedestrian fence in a busy commercial area where, despite traffic lights, speed limits and policing, there was a constant stream of pedestrians crossing the road at a mid point. After installation of the fencing all pedestrians began crossing at the traffic lights; a win for motorists and pedestrian safety and lives saved. I love being part of this great product!*
>
> **John**
> **Encat Managing Director**

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METAL & CIVIL

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