



ULLRICH
ALUMINIUM

BALUSTRADE SYSTEMS

SERIES - 40/50



MANUFACTURING / INSTALLATION DETAILS

August 08





DESIGN:

Ullrich Aluminium Balustrade System has been designed, tested and complies with Australian Standard AS1170.2002 structural design actions part 0, wind actions part 2 and AS/ANZS 1664.2: 1997 Aluminium Structures.

Tested by Advitech P/L Mayfield NSW. Report No 4588324 Dated Nov.2003

Our 40mm square and 50mm round post balustrade is suitable for both domestic and commercial applications

FEATURES:

- Both the 40mm square box section and 50mm round posts provide a slimline appearance whilst maintaining strength required.
- Our range of round H.D. posts enables handrail direction of 90°, 120° and 180°. The square post system enable handrail direction of 90°, 135° and 180°
- Aesthetically pleasing and modern appearance will add value to any project.
- Versatile design with a range of handrails from 60mm round to oval. Both accept either balusters or glazing.
- Simple to fabricate and install
- Available in mill finish only, thus enabling fabricator to supply the full range of powder coated or anodised colours.
- Ullrich Aluminium has a range of fabricators/installers nationally who are familiar with our product.
- When manufactured and installed in accordance with Ullrich details the system will comply with the above codes.

SPECIFICATIONS:

| | | | |
|-------------------|---|--|------------------------|
| Material | – | Extrusions (all) | Structural Alloy |
| Heights | – | Balustrade | 1000mm (max) |
| | - | Pool fencing (ref) | 1200mm (max) |
| | - | Bottom rail | 125mm (to top of rail) |
| Post spacing | – | Balustrade | 1200mm (max) |
| | - | Pool fencing (ref) | 1500mm (max) |
| | - | Pool fencing (ref) | 85mm (max gap) |
| Baluster spacing | - | Balustrade | 125mm (max gap) |
| | - | Pool fencing (ref) | 85mm (max gap) |
| Foot stake fixing | | 2 x 10mm x90lg. S.S. chemset anchors | |
| Glass | | 6.38mm (min.) laminated. (min. fixing 2 sides) | |

TO SPECIFY:

The balustrade system shall be designed to comply with the requirements of Australian Standard AS1170.2002.

The balustrade shall be fabricated from extruded aluminium with a handrail 60mm diameter and 40mm square heavy duty posts.(infill with either glass or balusters).

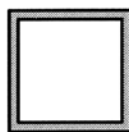
The installer shall ensure that that fabrication and installation is in accordance with Ullrich's Fabrication/Installation brochure.



60mm ϕ HANDRAIL
UB006



OVAL HANDRAIL
UN00200



40 mm POST
UB017



45° CORNER POST
UB009



FILLER
UB008



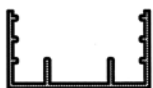
CLIP IN BEAD
UB001



SQ. TUBE 16mm
SR161.5



SQ. TUBE
SR191.5



CHANNEL
UB005



GLAZING CHANNEL
UB003



ROUND TUBE 19 ϕ
RT191.6



ROUND TUBE 16 ϕ
RT15.81.5



TOP/BOTTOM
RAIL UB004



CLIP IN GLAZING
CHANNEL UB002



BALUSTER ϕ 16
SCREW FLUTED
CEM11693



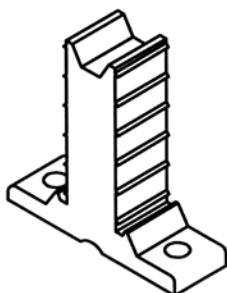
DOUBLE GLAZED
RUBBER 33-40 BLACK
(suit 6.38mm GLASS)



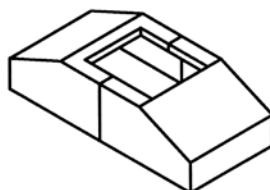
END CAP UBA209
(SUIT UN00200)



END CAP UBA200(COLOUR)
(SUIT UB006)



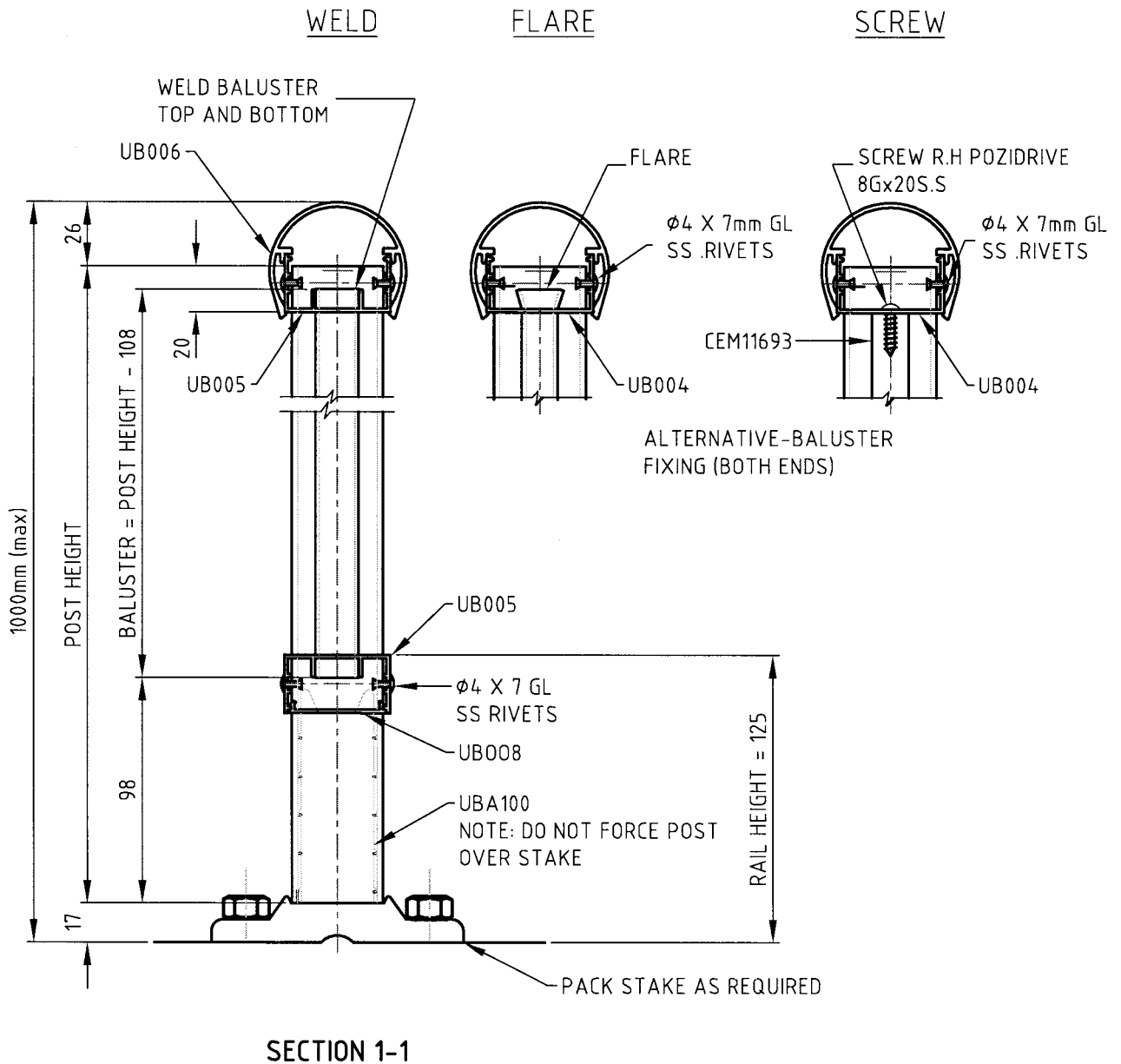
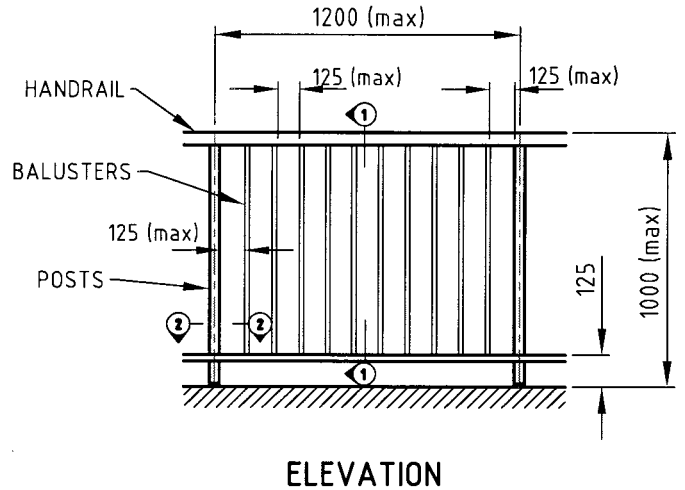
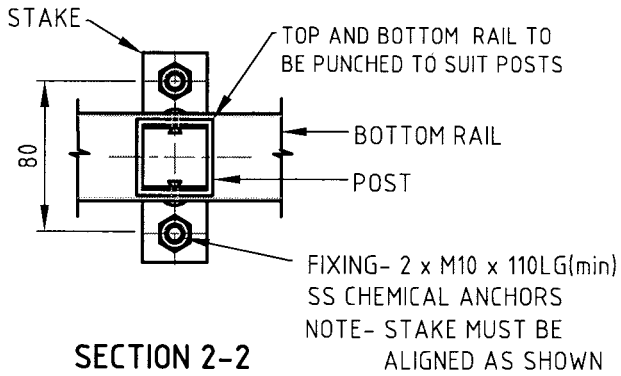
FOOT STAKE
UBA100MI.

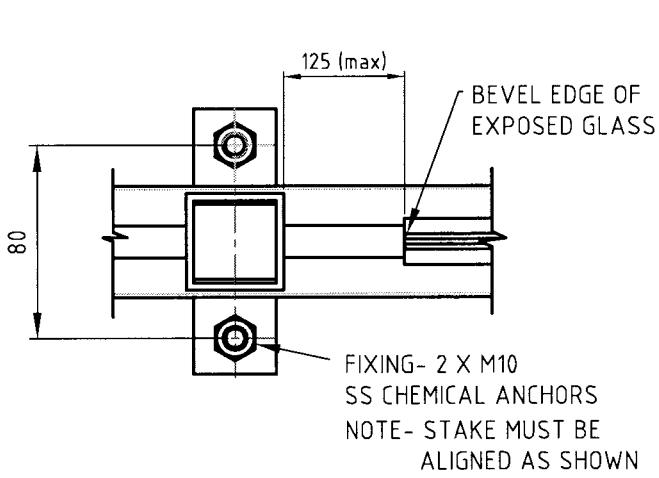


FOOT COVER -PLASTIC
UBA201BK

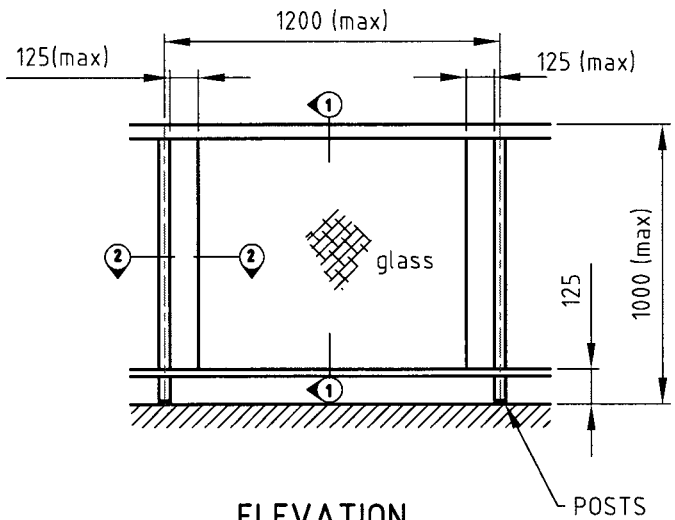


FOOT COVER UBA203BK
(SUIT UB017)

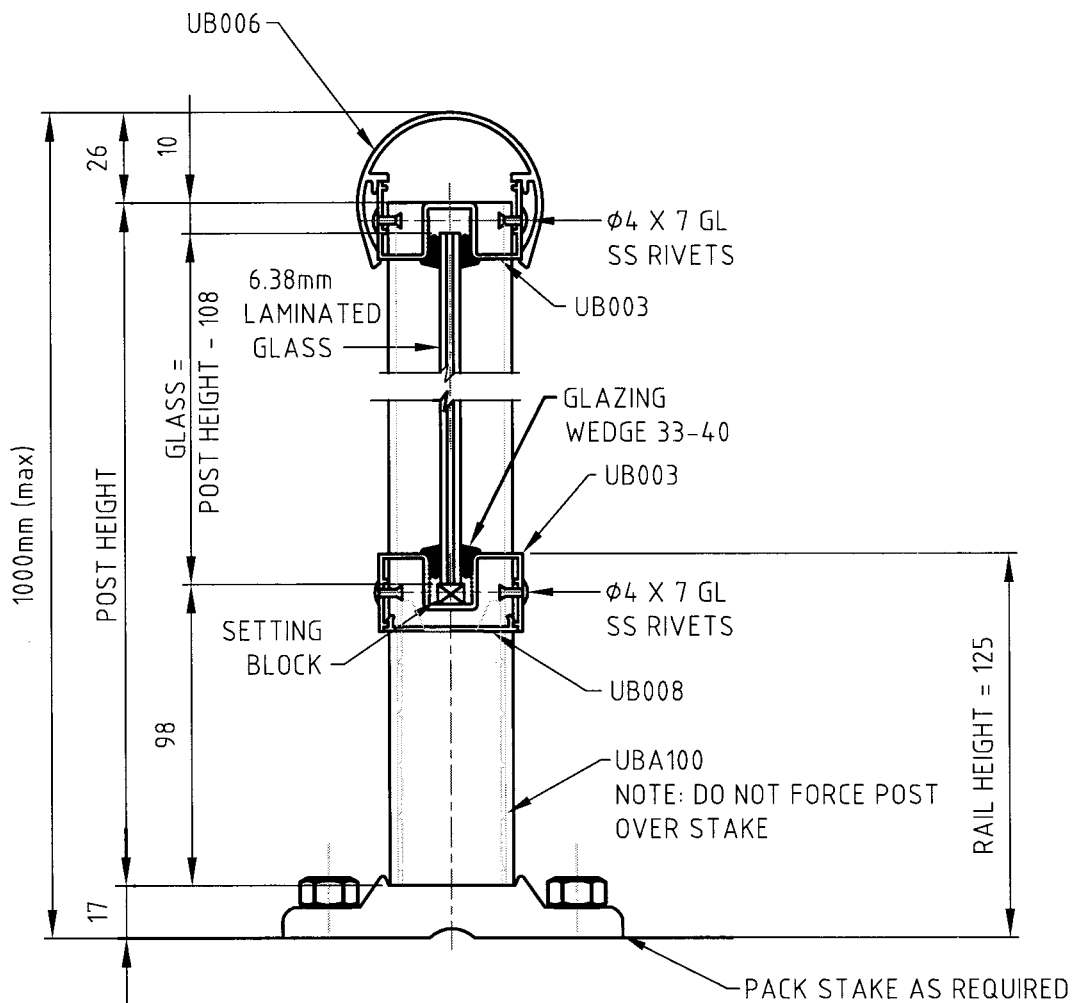




SECTION 2-2



ELEVATION

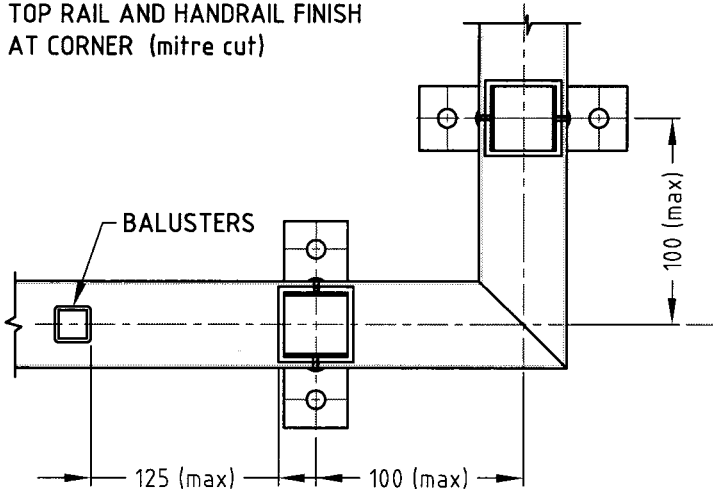


SECTION 1-1



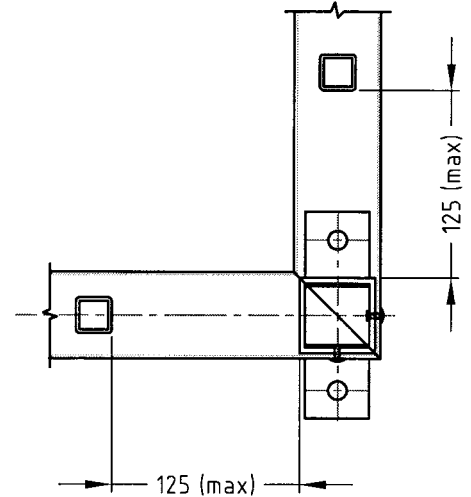
A.

BOTTOM RAILS FINISH AT THE POSTS.
TOP RAIL AND HANDRAIL FINISH
AT CORNER (mitre cut)



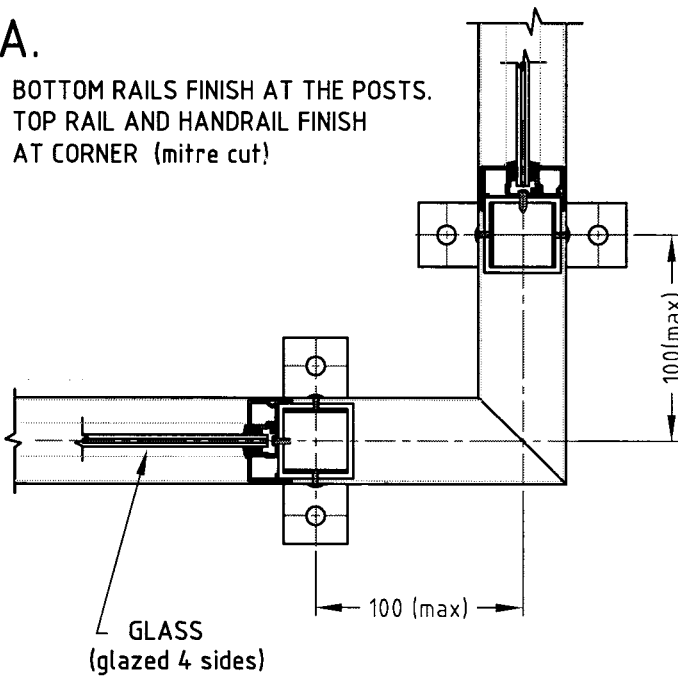
B.

ALL RAILS FINISH AT
CORNER. (mitre cut)



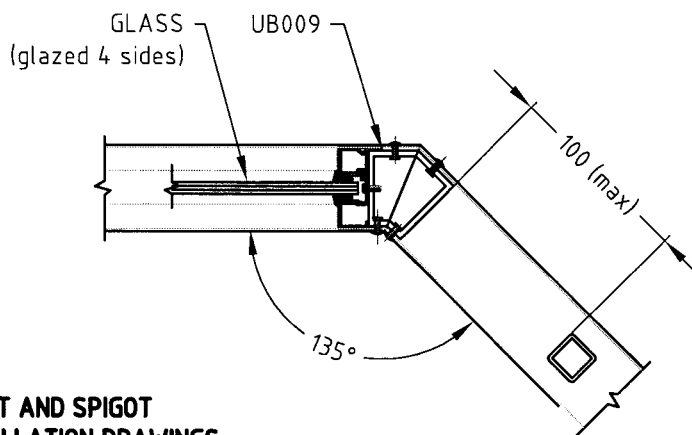
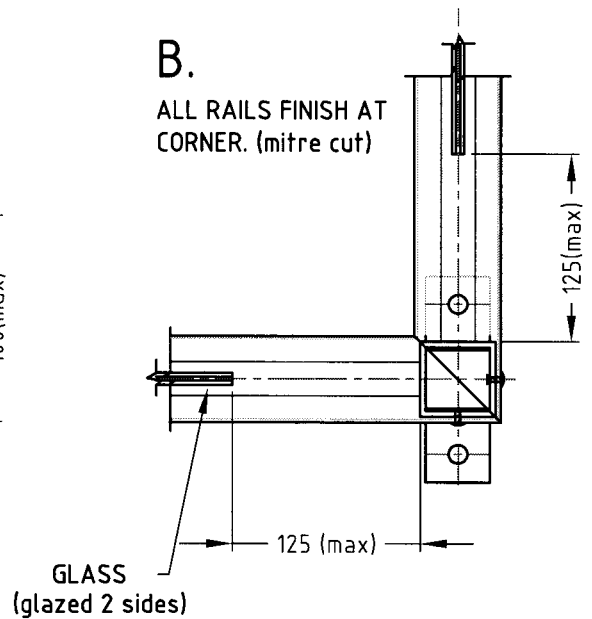
A.

BOTTOM RAILS FINISH AT THE POSTS.
TOP RAIL AND HANDRAIL FINISH
AT CORNER (mitre cut)

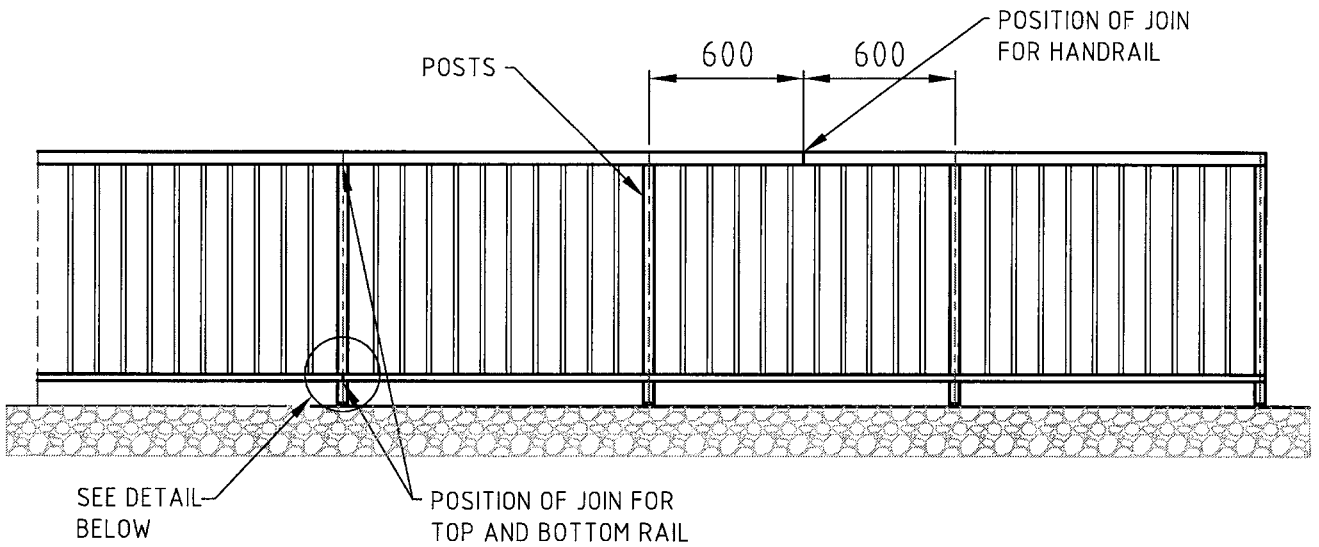


B.

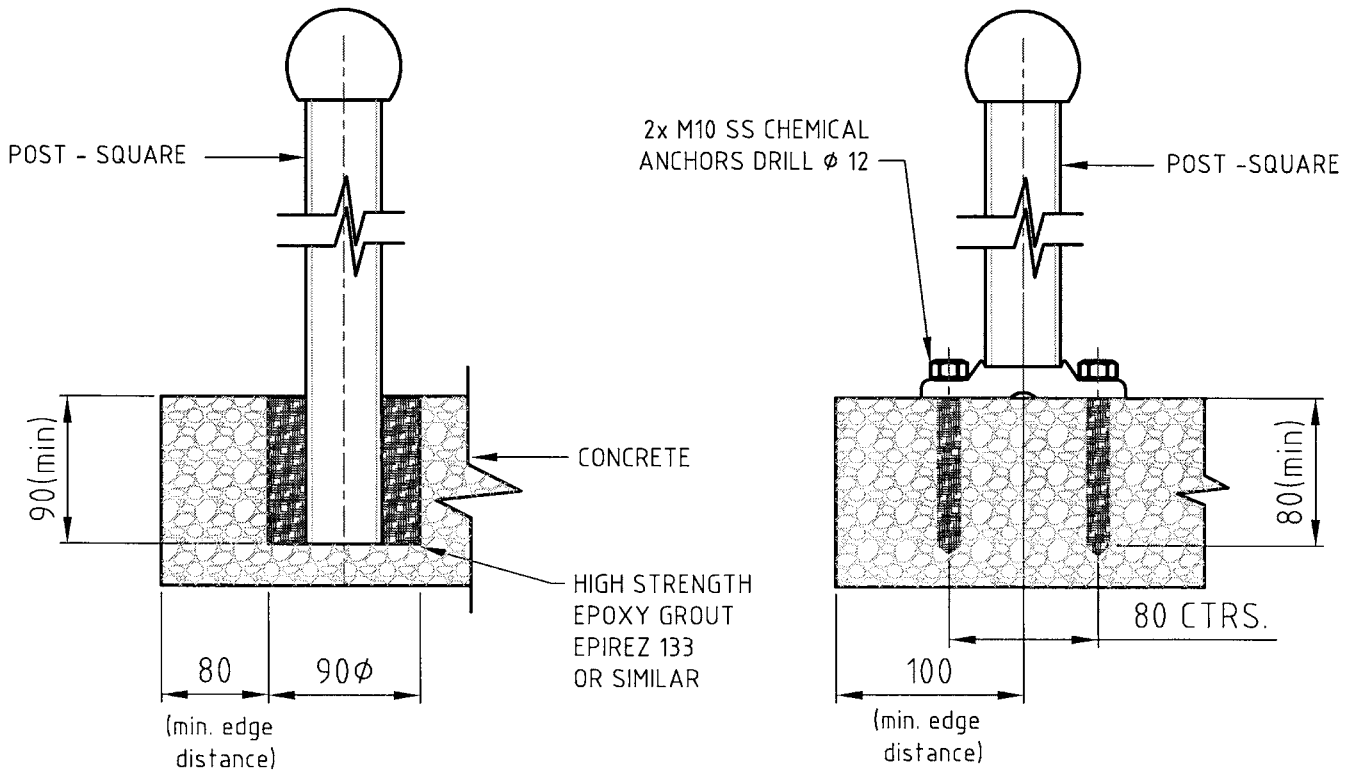
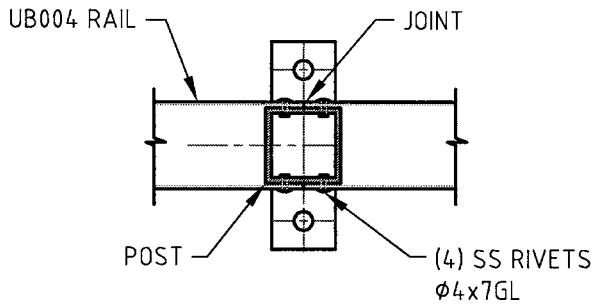
ALL RAILS FINISH AT
CORNER. (mitre cut)



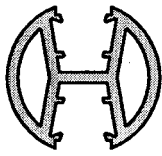
NOTE:
FOR GLASS, RIVET AND SPIGOT
FIXING SEE INSTALLATION DRAWINGS



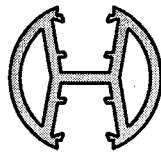
POSITION OF JOINTS



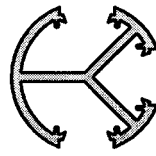
FIXING OF POST TO CONCRETE



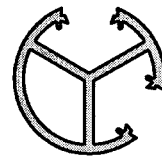
2 WAY POST
(HEAVY) AS21779



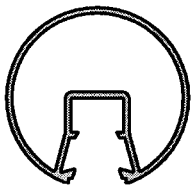
2 WAY POST
(LIGHT) UB011



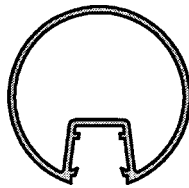
50mm 3 WAY
POST UB010



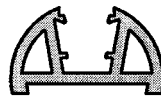
50mm x 120° POST
UB012



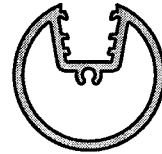
60mm GLAZING
HANDRAIL UB007



60mm GLAZING HANDRAIL
(LIGHT) - UN00228



50mm HALF POST
UB020



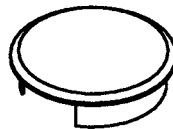
50mm ONE WAY
GLAZING POST
UN00720



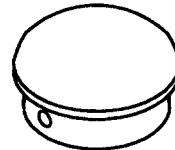
SINGLE GLAZED RUBBER
32-88 BLACK
(suit 6.38mm GLASS)



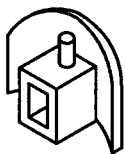
GLAZING INFILL
UB019



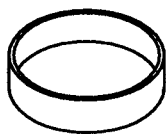
60x2 ALUM END CAP
UBA103MI
(suit handrail UB007)



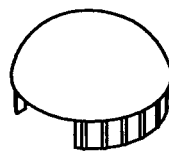
50x3 ALUM RAISED END CAP
UBA105MI
(suit 50mm post)



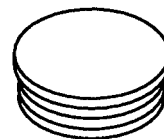
PLASTIC GLASS STOP
UBA208BK



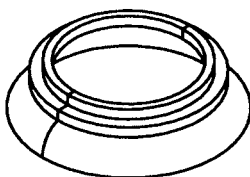
END CAP - ALUM
UBA101MI
(suit 50mm post)



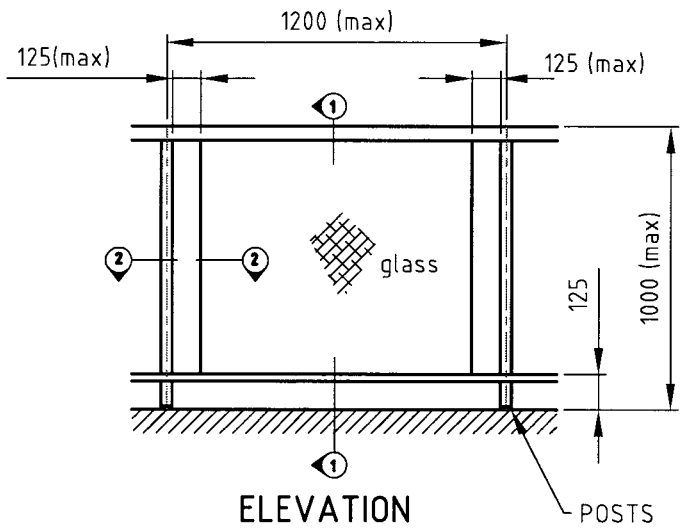
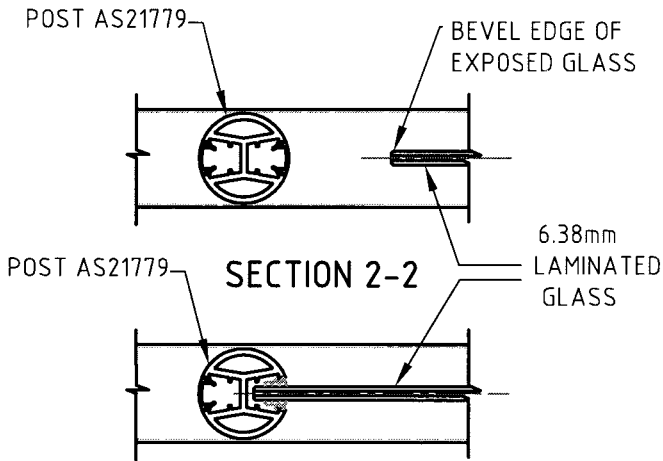
60x2 ALUM RAISED END CAP
UBA104MI
(suit handrail UB007)



50MM PLASTIC PLUG FOR TUBE
UBA204BK
(suit 50mm post)

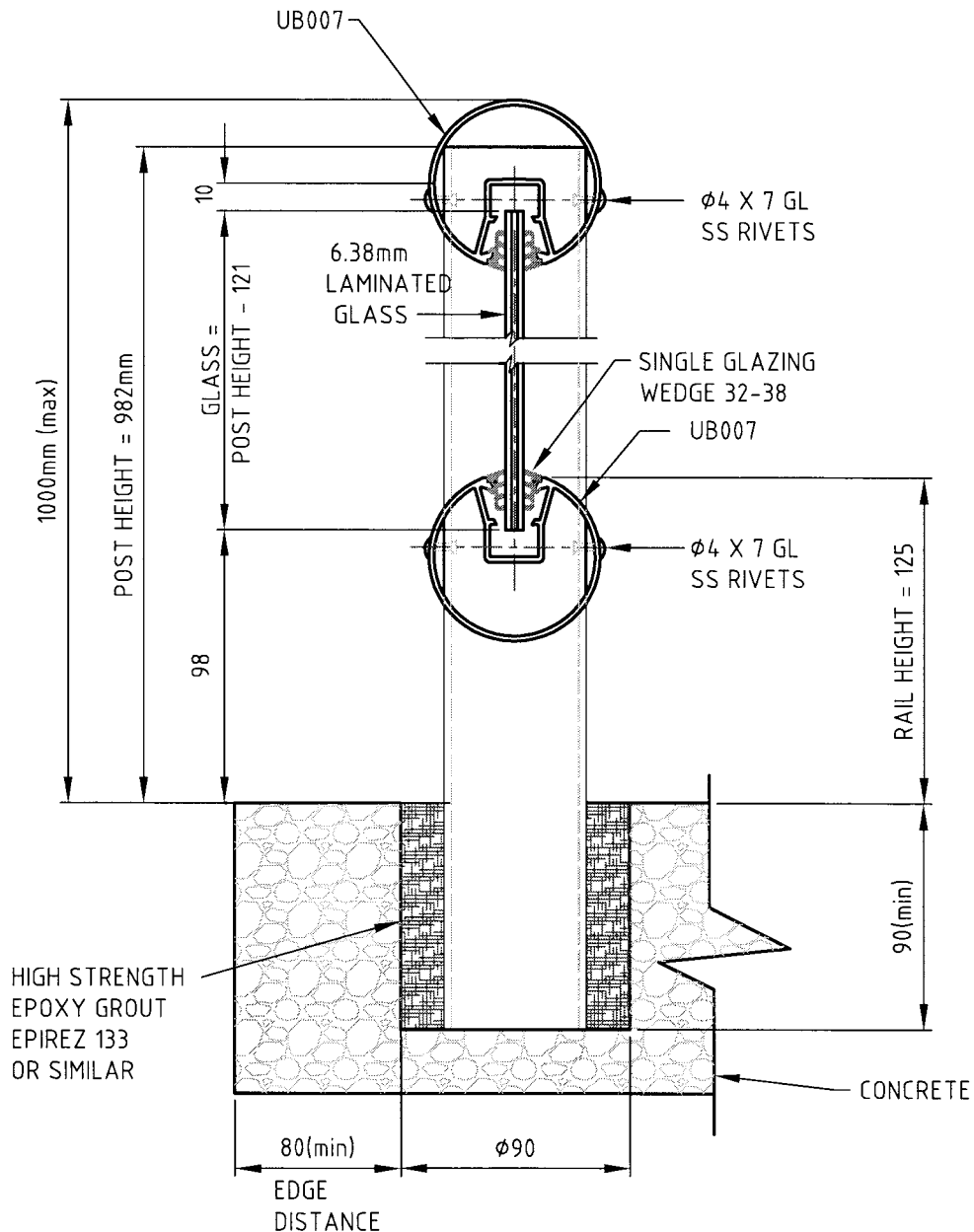


50MM PLASTIC
FOOT COVER
UBA207BK

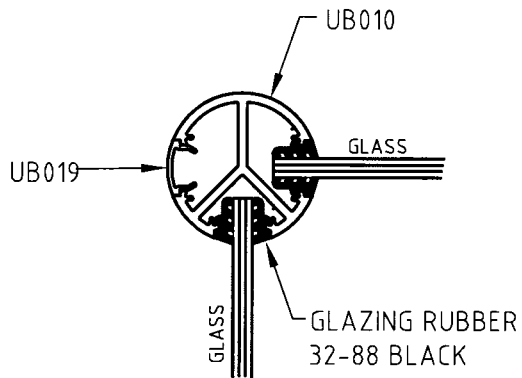


ALTERNATIVE FULLY GLAZED OPTION

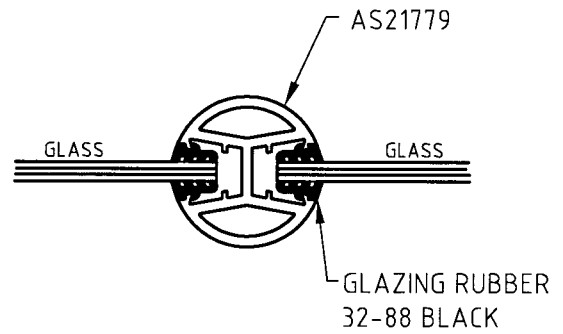
ELEVATION



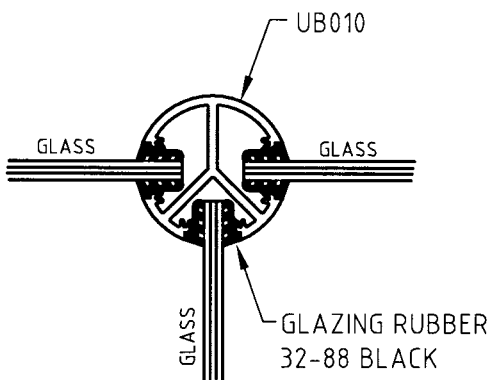
SECTION 1-1



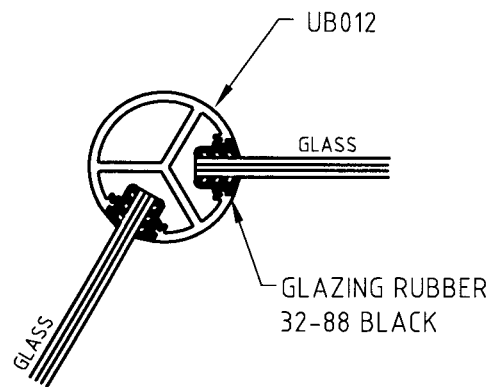
50mm x 90° POST



50mm TWO WAY POST

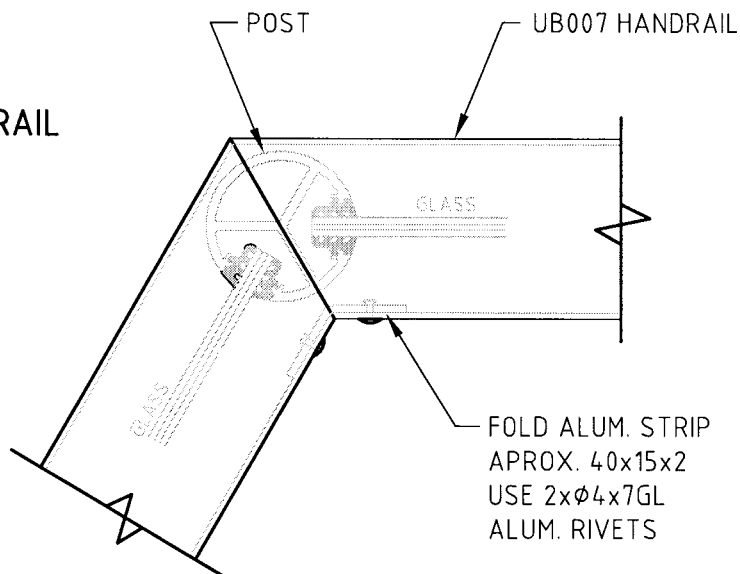


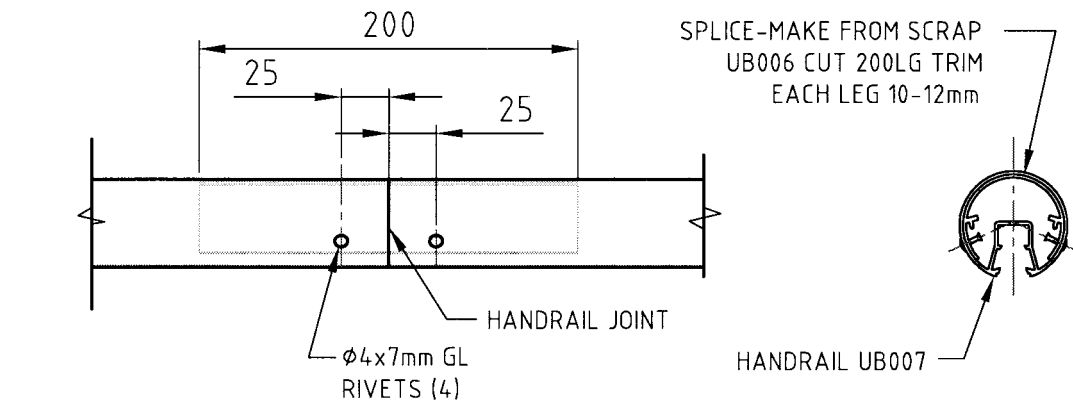
50mm THREE WAY POST



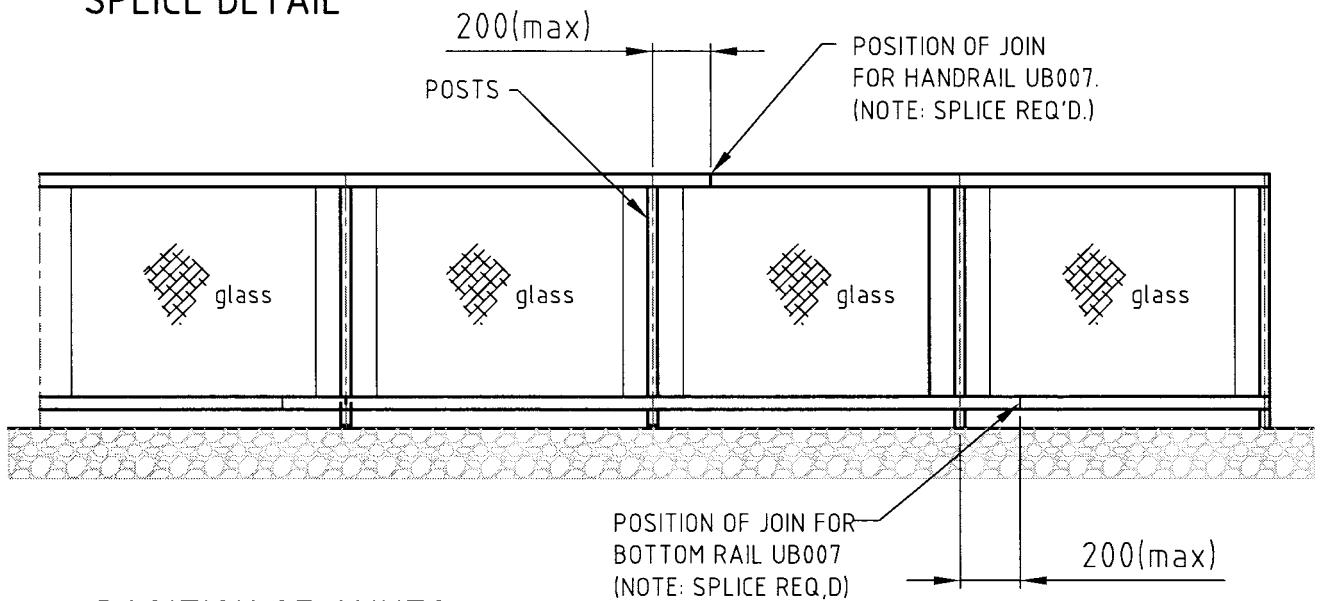
50mm x 120° POST

**TYPICAL HANDRAIL
CORNER FIXING**

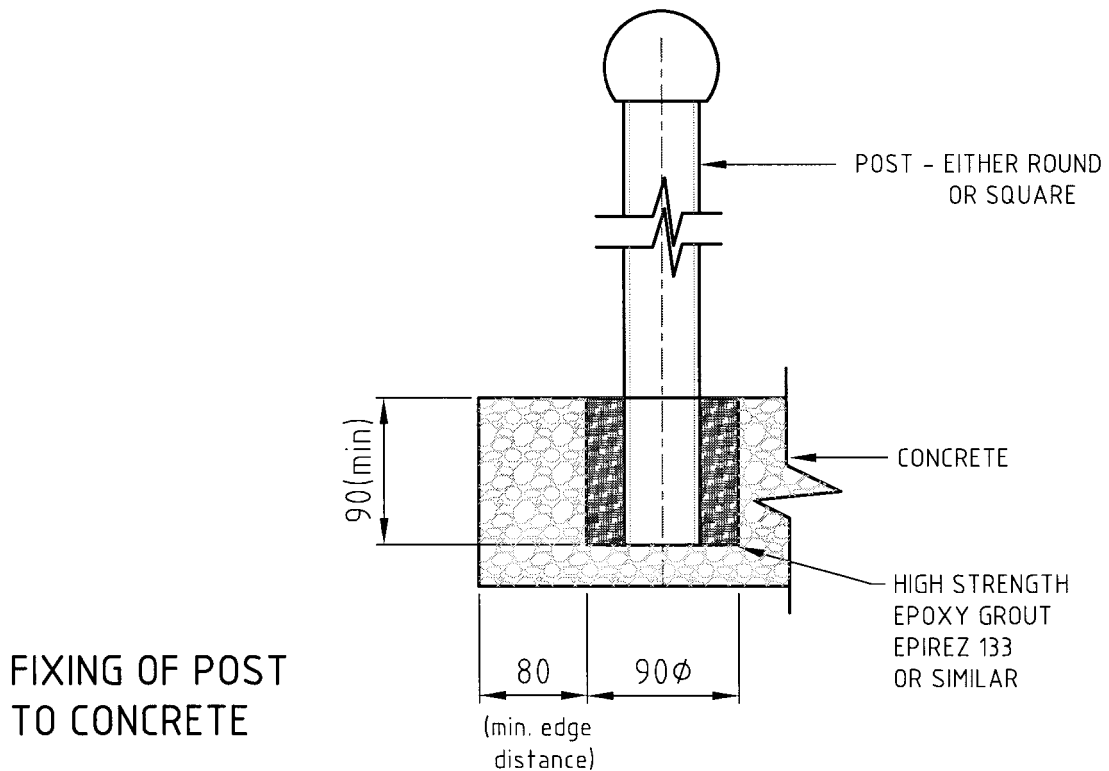




SPLICE DETAIL



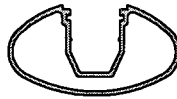
POSITION OF JOINTS



**FIXING OF POST
TO CONCRETE**



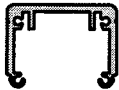
OVAL BALUSTER
CEM11587



OVAL GLAZING RAIL
UN00347



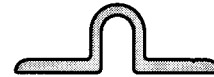
OVAL HANDRAIL
UN00348



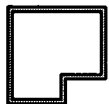
SQUARE BALUSTRADE
UN00509



FLAT FILLER
UN00508
(SUIT UN00509)



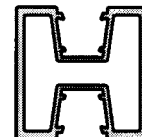
SLIDING GATE TRACK 75mm
UA4869



PRIVACY SURROUND POST
UN00725



2 WAY SQUARE POST
UN00975



50mm 2 WAY SQUARE POST
UN00789



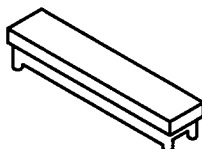
BALUSTRADE HANDRAIL
MKJ588



STANDARD RHS
50mmx10mm
RR50101.3MI6L



STANDARD RHS
65mmx16mm
RR65161.2MI6.5L



PLASTIC PLUG
65mmx16MM
UBA205



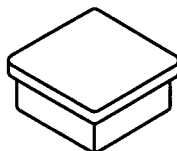
BALUSTER ϕ 16 SCREW FLUTED
CEM11693



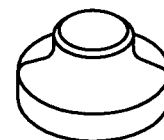
GATE TRACK
JA983-056



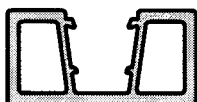
SHORT LEG FILLER
UN00976



SQ.65MM PLASTIC PLUG
UBA206BK



ROLL FORMED CAP
UBA102MI
(suit 50mm post)



SQUARE GLAZING RAIL 50x25
UN01202