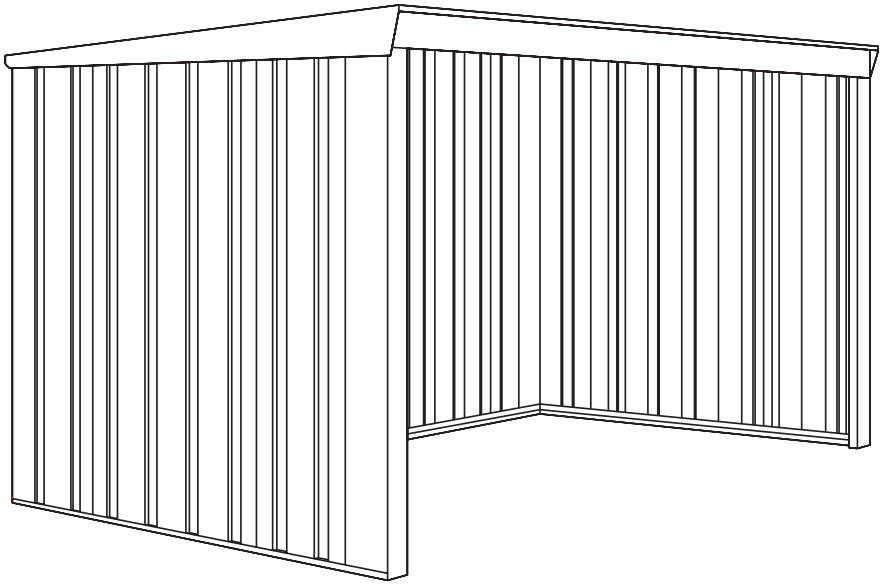
BI-SHELTER & BI-SAFE CYCLE SHELTERS



ASSEMBLY INSTRUCTIONS

OCTOBER 2004

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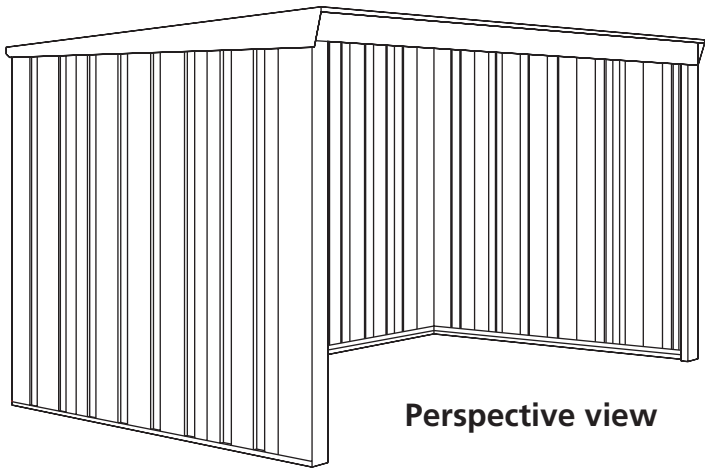
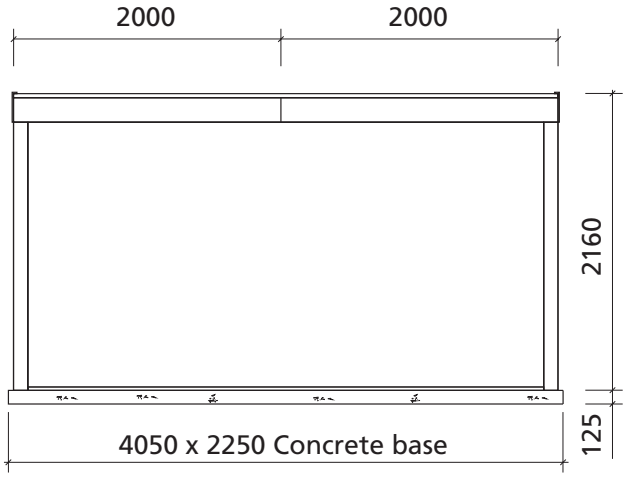
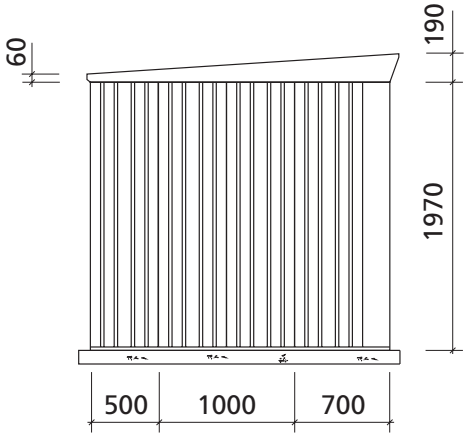
Dimensions



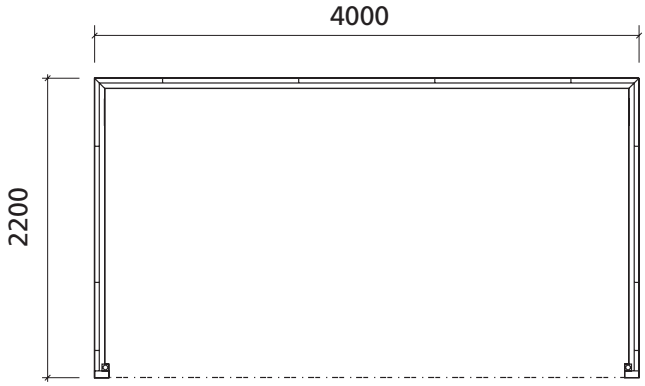
Perspective view



FRONT ELEVATION



SIDE ELEVATION



SECTIONAL PLAN

Parts List

ITEM	No. OF	CAT No.
Goalpost Crossbar Channel	2	C1
Goalpost Upright Channel	2	C2
Goalpost Jointing Channel	1	C3
Base Side Fixing Tee	2	ST
Base Back Fixing Tee	2	BT
Front Corner Panel	2	FC
Middle Side Panel	2	MS
Back Corner Panel	2	BC
Back Panel	3	BP
Internal Capping Strips (Wall)	8	CSW
End Roof Panel	2	ER
Intermediate Roof Panel	3	IR
Internal Capping Strips (Roof)	4	CSR
Rear Fascia	2	RF
Front Fascia (Upper)	2	FFU
Front Fascia	2	FF
Side Fascia	2	SF
Base Brackets	2	BB
M6 x 12mm s.s. hex. head bolts and nuts	120	
M10 x 25mm s.s. hex. head bolts and nuts	16	
M10 x 75mm expanding anchor bolts for base fixing	16	

EXTRA FOR GATE ON BI-SAFE MODELS

Gates	2	G
Gate Brackets	4	GB
M8 x 25mm s.s. hex. head bolts and nyloc nuts	16	

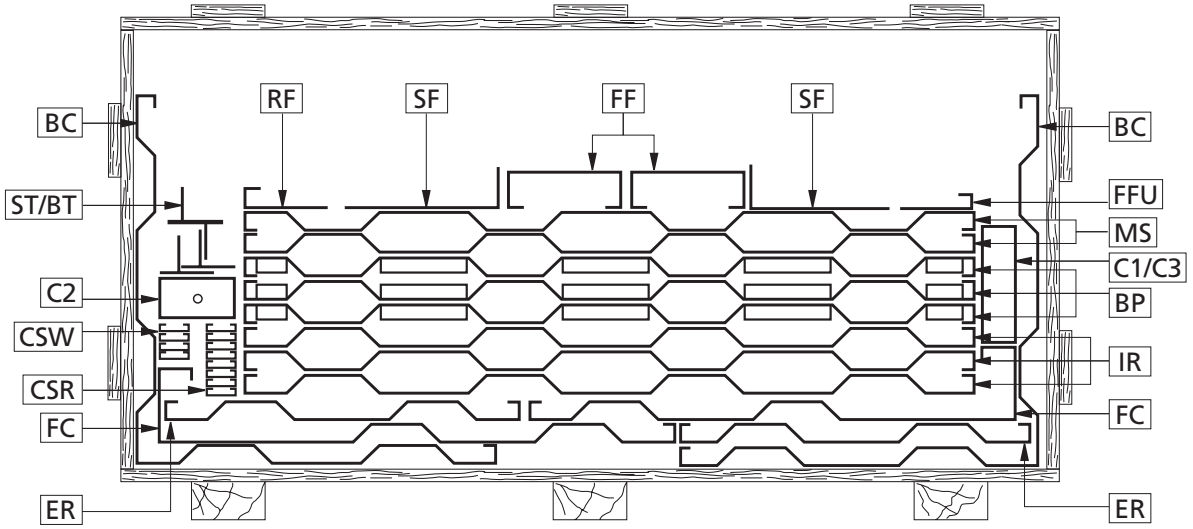
Crate Packing

Before unpacking the crate, please read the assembly instructions carefully to assist with component identification.

Non-returnable crate lined with polythene sheeting.

Crate size: 2350mm long x 1250mm wide x 550mm high (internal dimensions)

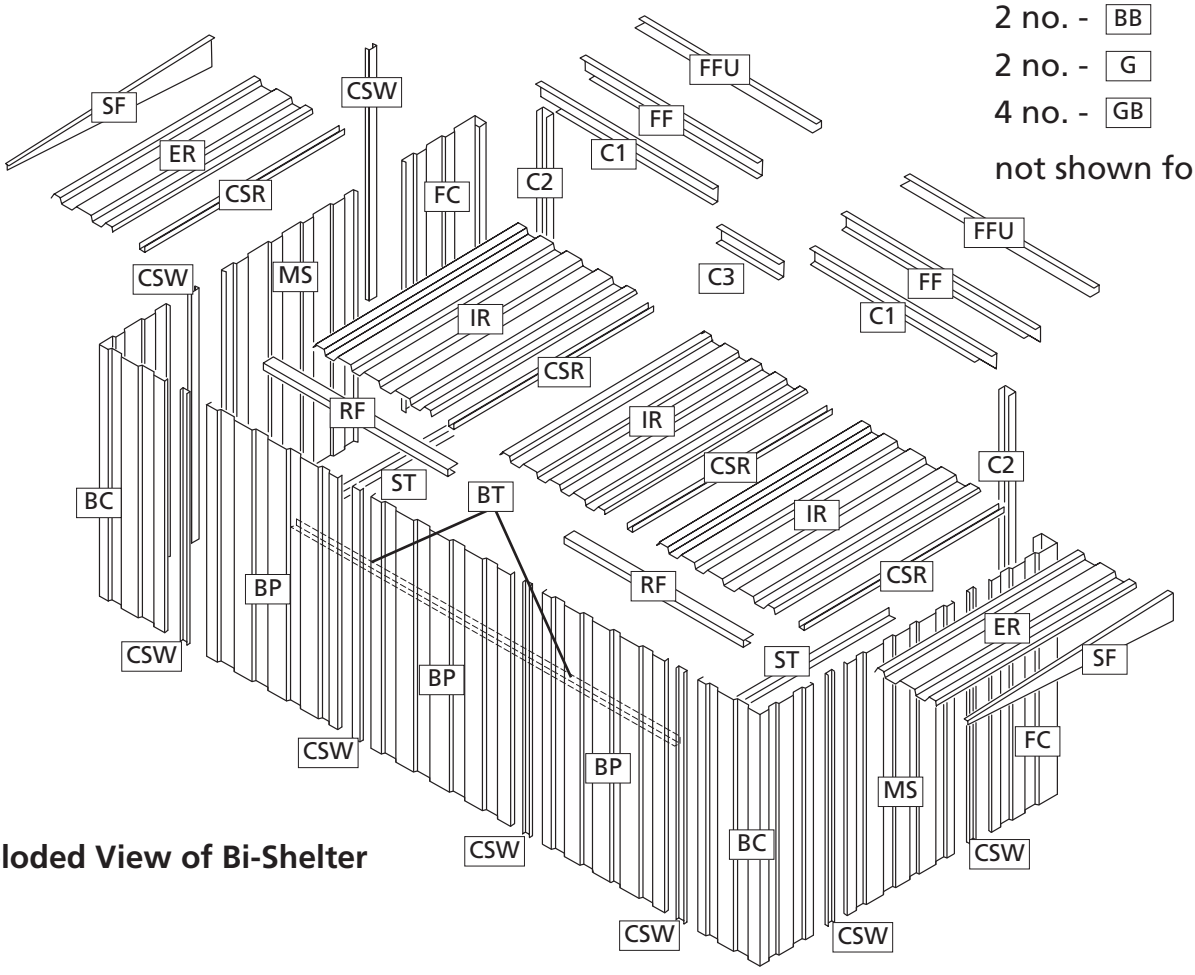
Gross weight: 350kg (approx.)



Typical Cross Section

2 no. - BB
2 no. - G
4 no. - GB

not shown for clarity



Exploded View of Bi-Shelter

Assembly Instructions

It is recommended that the assembly of the shelter is carried out during calm weather conditions.

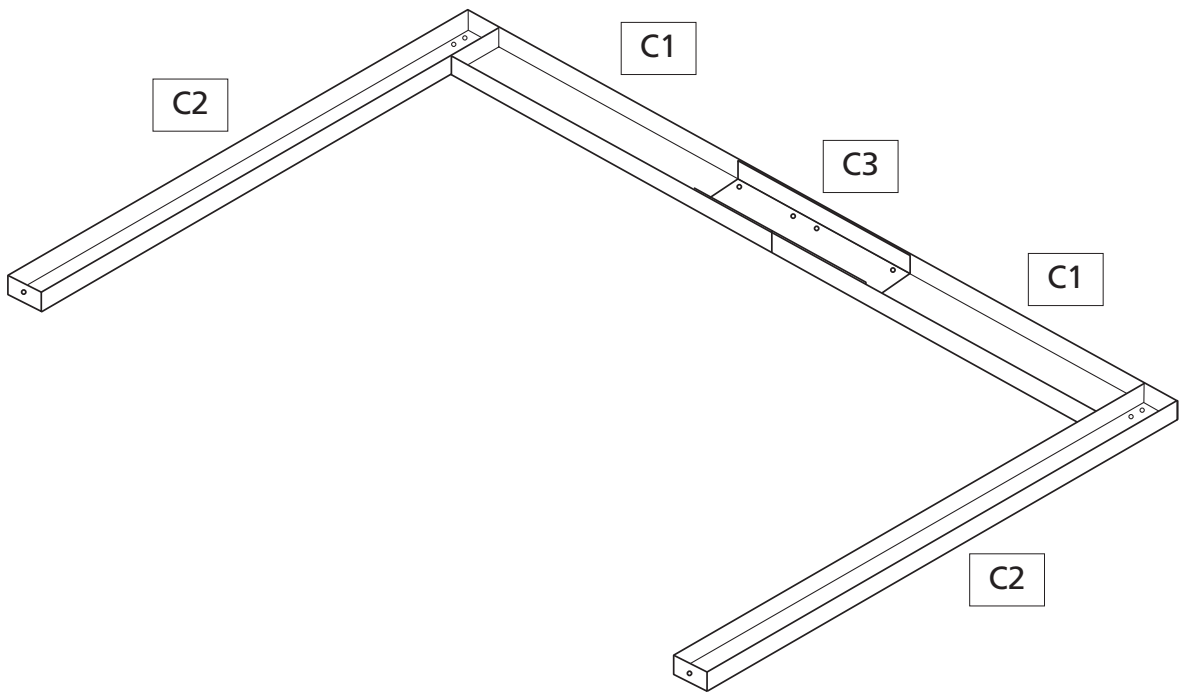
All assembly work must be carried out on a level concrete base.

Minimum base dimensions for all models 4050 x 2250 x 125mm thick.

All holes are accurately punched for correct alignment.

Procedure

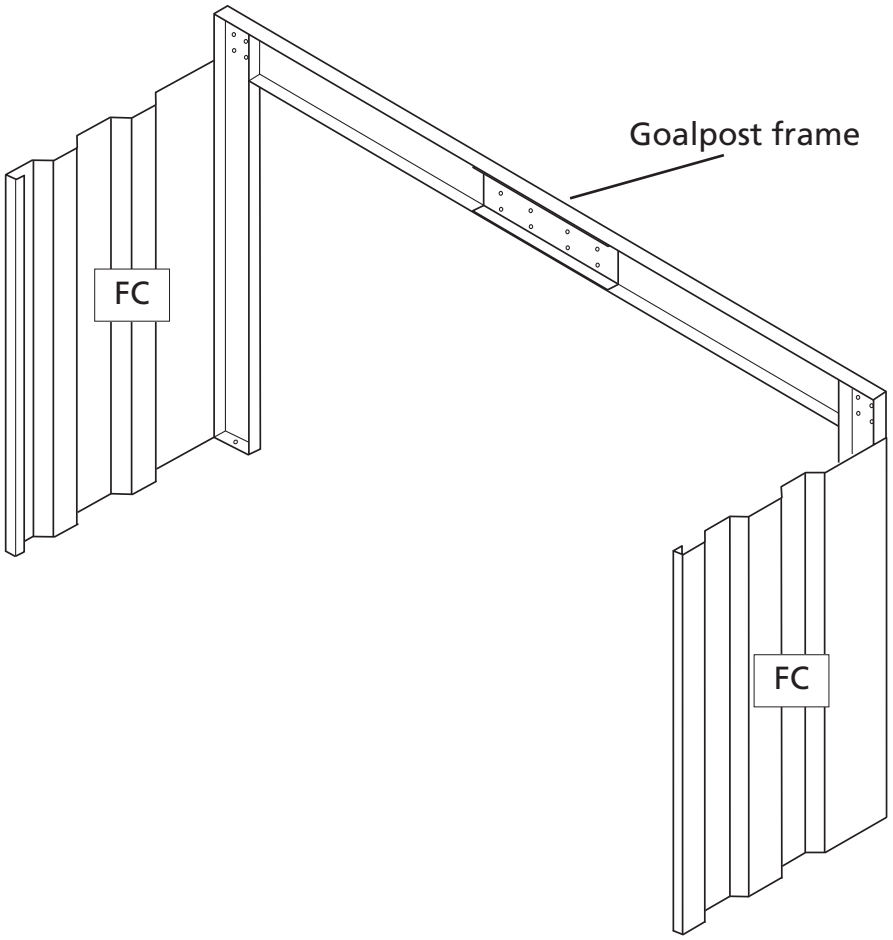
1. Take the 2 no. channels (C1) and lay face down on the ground and join together with channel (C3) using 8 no. M10 x 25mm bolts and nuts. Lay the 2 no. channels (C2) at 90° to each C1 channel forming a goalpost frame. Bolt these together using the remaining 8 no. M10 x 25mm bolts and nuts.



NOTE: Use M6 x 12mm bolts and nuts for all remaining fixings.

2. Raise the goalpost into a vertical position and fit one of the front corner panels (FC) around the goalpost frame. Repeat this procedure for the remaining front corner panel (FC).

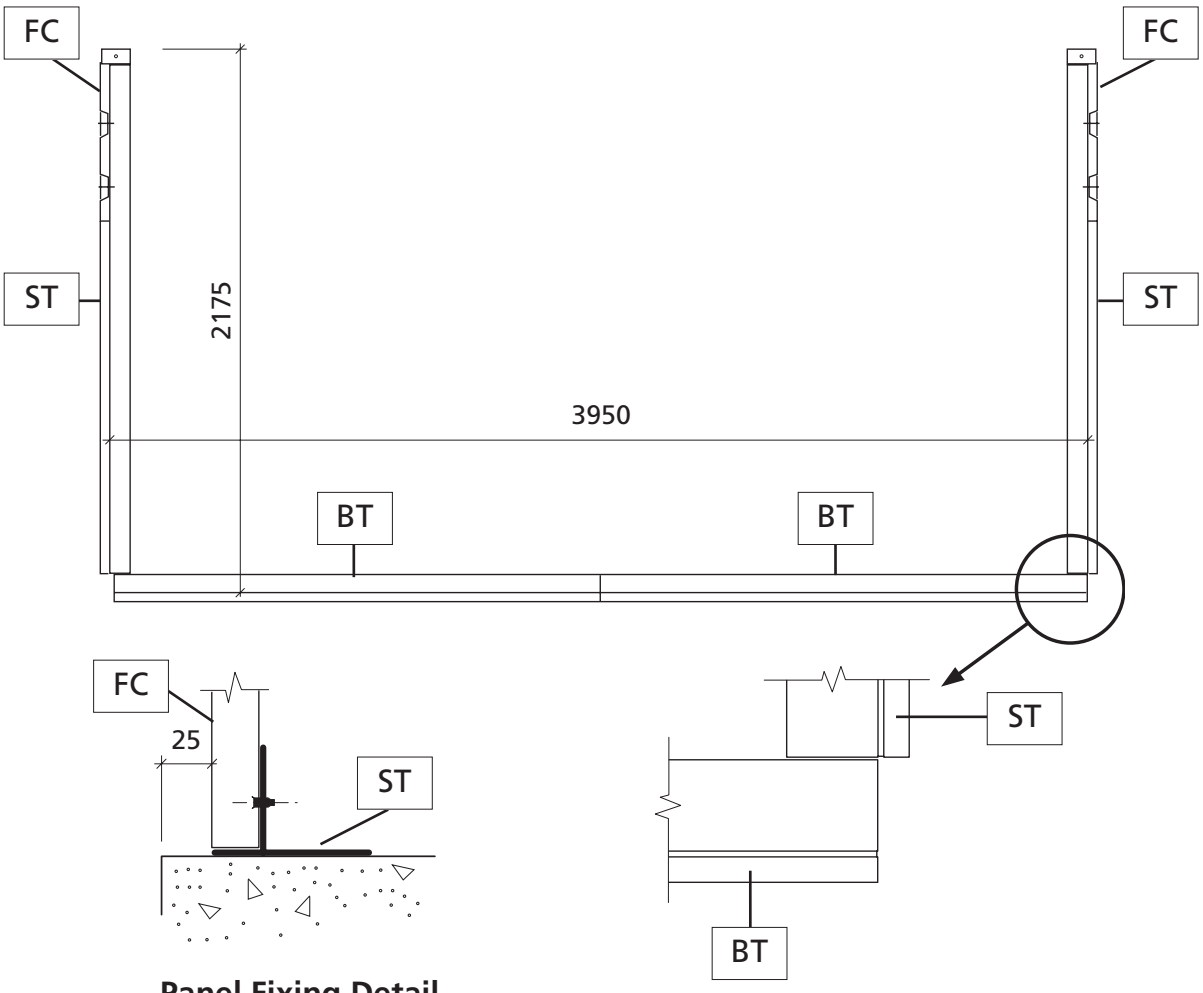
This part of the shelter will now be free-standing but should not be left unsupported.



3. Position the 4 no. base side/back fixing tees (ST and BT) as indicated, but **do not fix** to the concrete base at this stage.

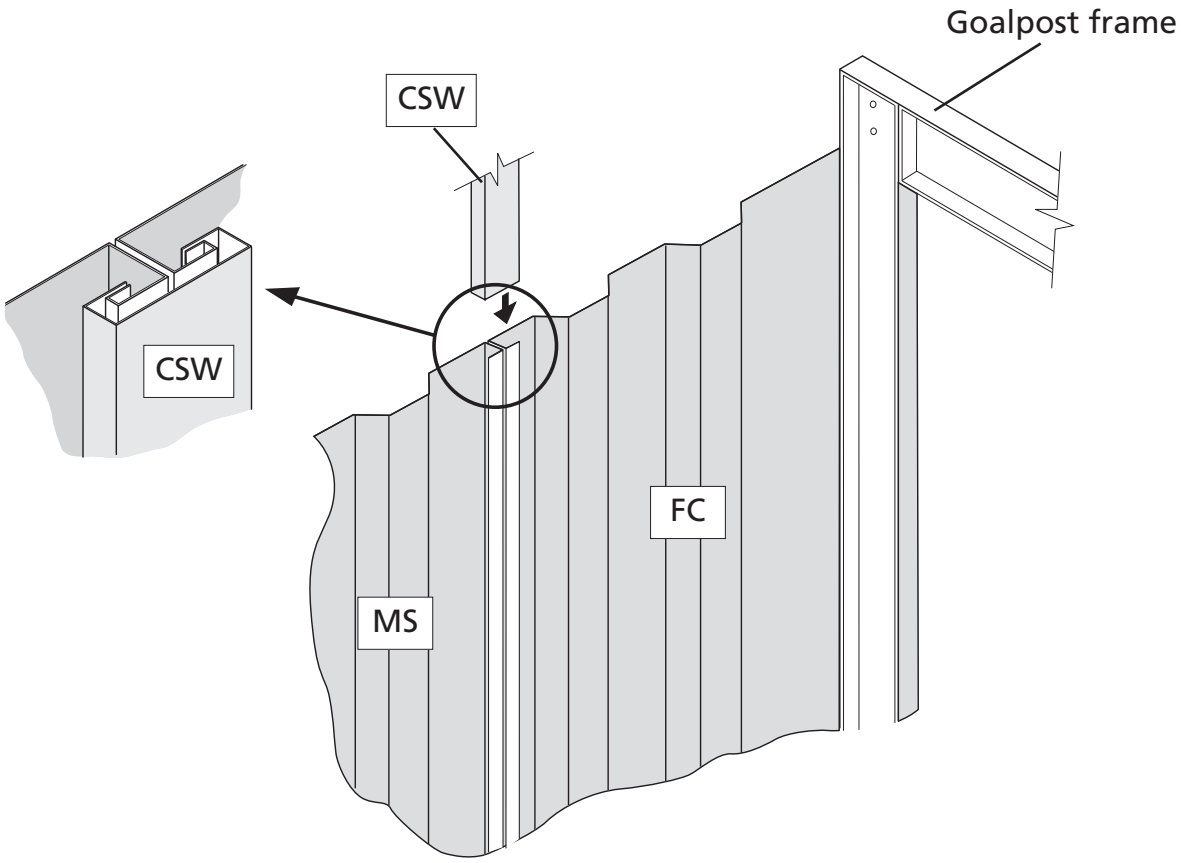
Ensure that if using the recommended base size of 4050 x 2250mm the panels are positioned 25mm from the edge of the concrete base.

Secure the front corner panels (FC) already in position to the base fixing tee.



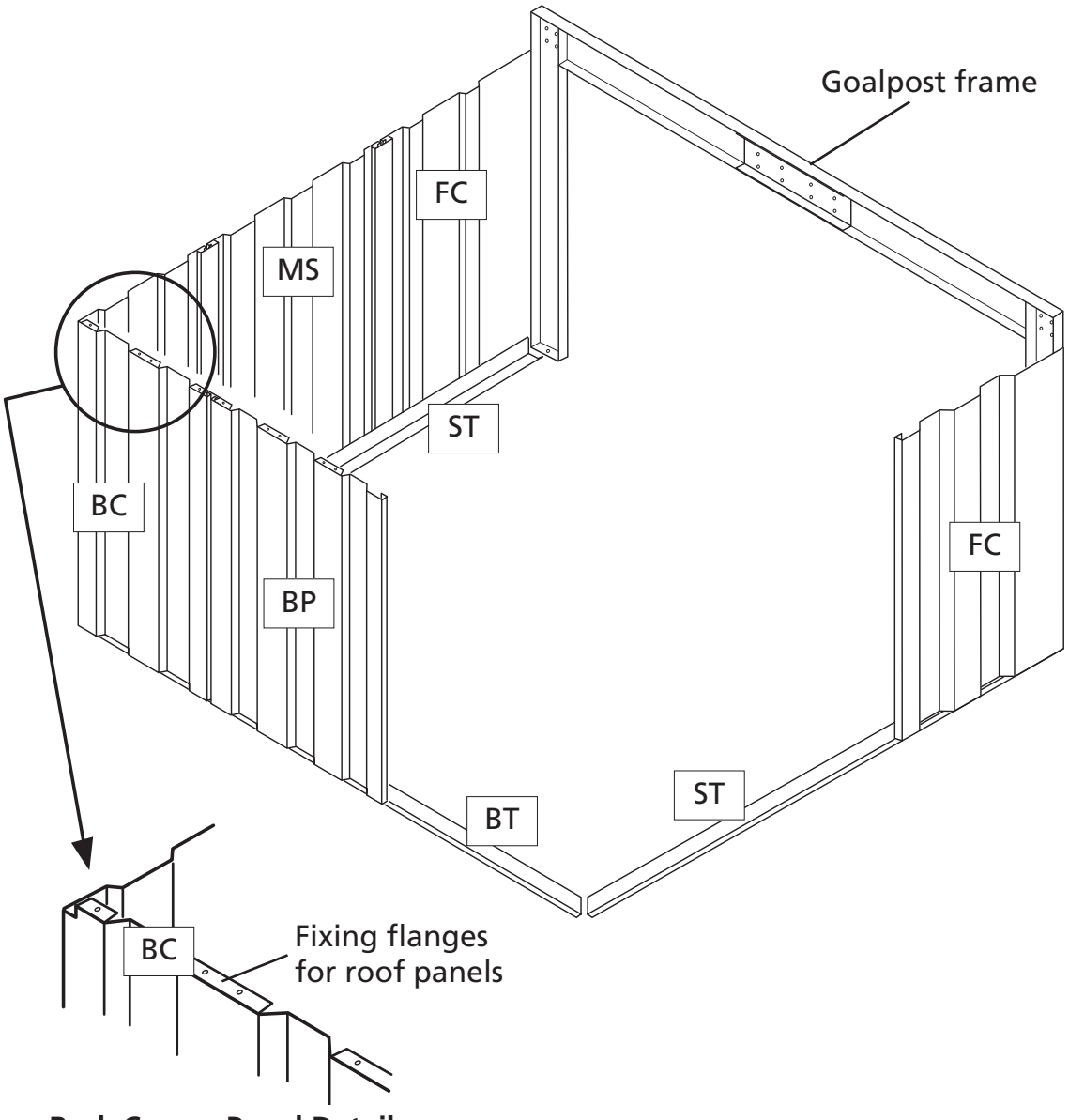
Panel Fixing Detail

4. Position a middle side panel (MS) adjacent to the front corner panel previously assembled. Then take one of the shorter internal capping strips (CSW), slide this over the abutment joint of the panels. Once this is done the panel can be secured to the base fixing tee.



5. Position the back corner panel (BC) and slide one of the shorter internal capping strips (CSW) over the abutment joint. Secure the panel to the side/back fixing tee.

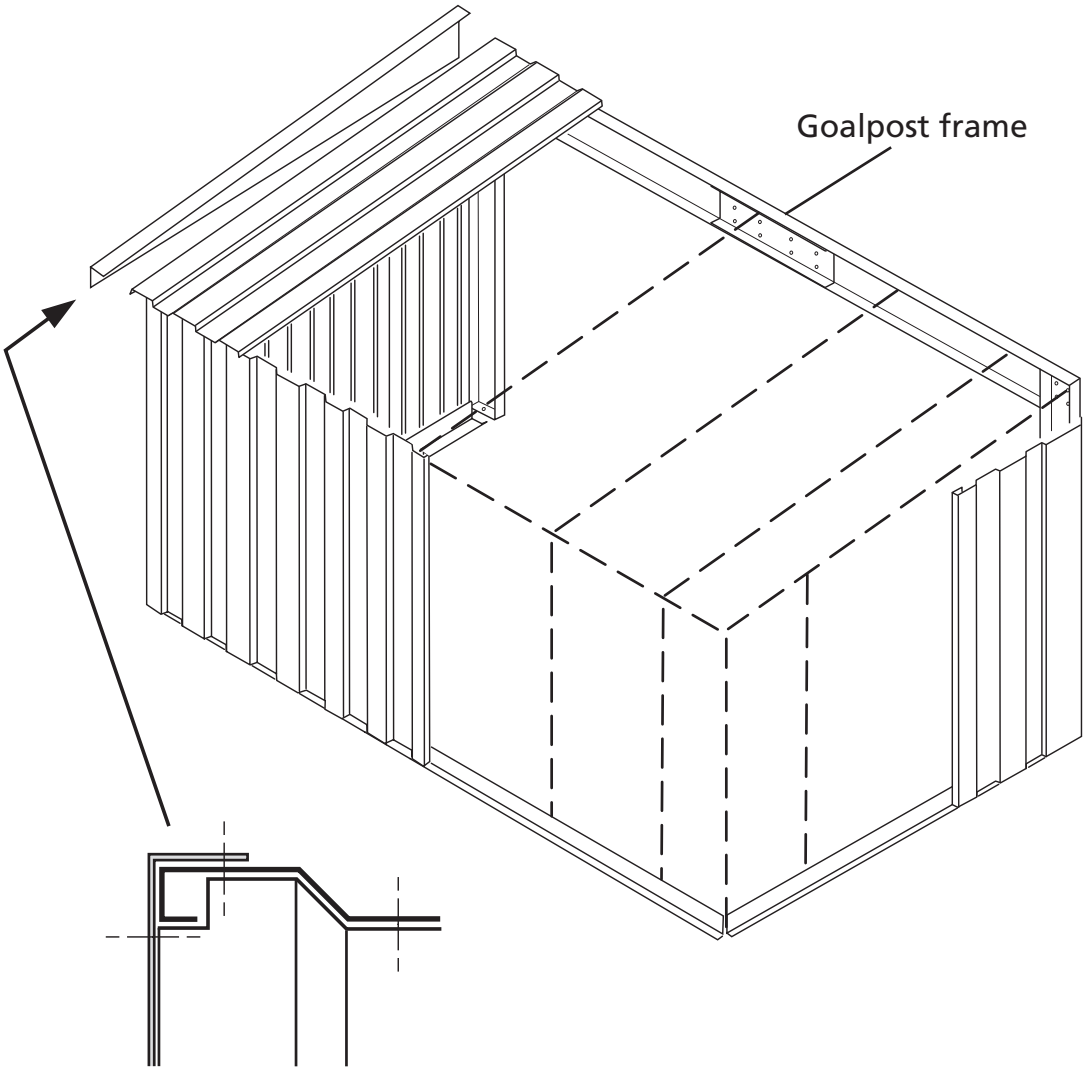
6. Position a back panel (BP) adjacent to the back corner panel and slide one of the shorter internal capping strips (CSW) over the abutment joint. Secure the panel to the back fixing tee.



Back Corner Panel Detail

7. Position one of the end roof panels (ER) on top of the assembled side panelling. Secure the front edge of the roof panel to the goalpost framework. Also secure the roof panel to the back corner panel (BC) top flange.
These fixings should be left loose (see note 14).

Position the side fascia (SF) panel and secure to the roof panel (ER) side wall panels.
These fixings should be tightened.



Back Corner End View

8. Position a back panel (BP) adjacent to the previously assembled back corner panel. Slide one of the shorter internal capping strips (CSW) over the abutment joint and secure the panel to the back fixing tee.

9. Position an intermediate roof panel (IR) adjacent to the end roof panel (ER) previously positioned and slide one of the longer capping strips (CSR) over the abutment joint. Secure the roof panel to the goalpost framework and the back panel (BP) top flange.
These fixings should be left loose (see note 14).

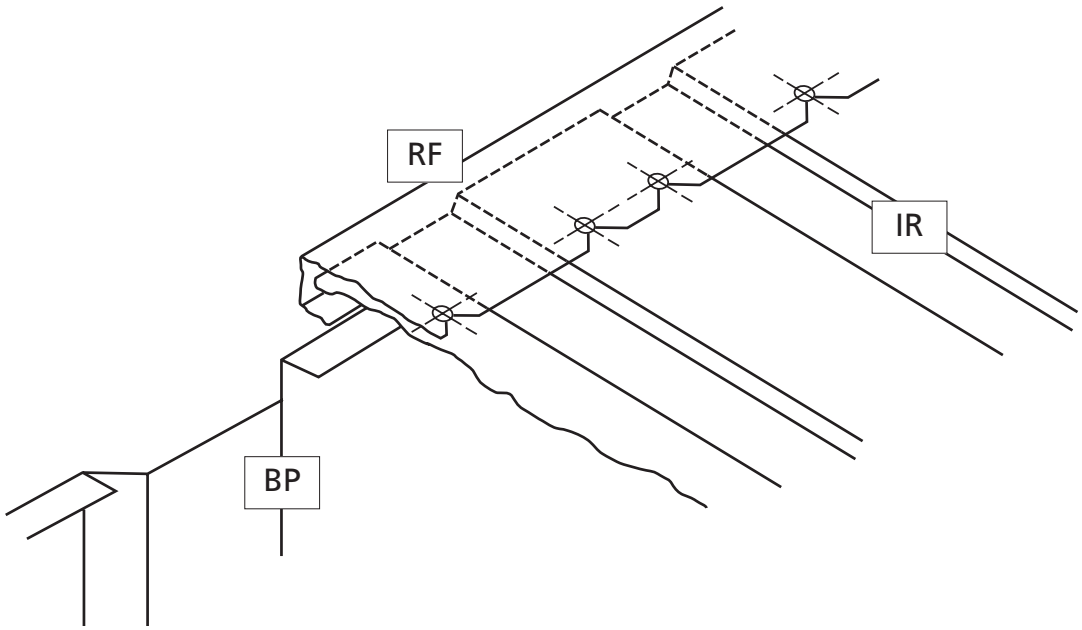
10. Repeat the instructions in (8) and (9) for the remaining back panel (BP) and the 2nd intermediate roof panel (IR).

11. Repeat the instructions in (4) for the remaining middle side panel (MS).

12. Repeat the instructions in (5) for the remaining back corner panel (BC).

13. Repeat the instructions in (7) for the remaining end roof panel (ER) and the remaining side fascia (SF).

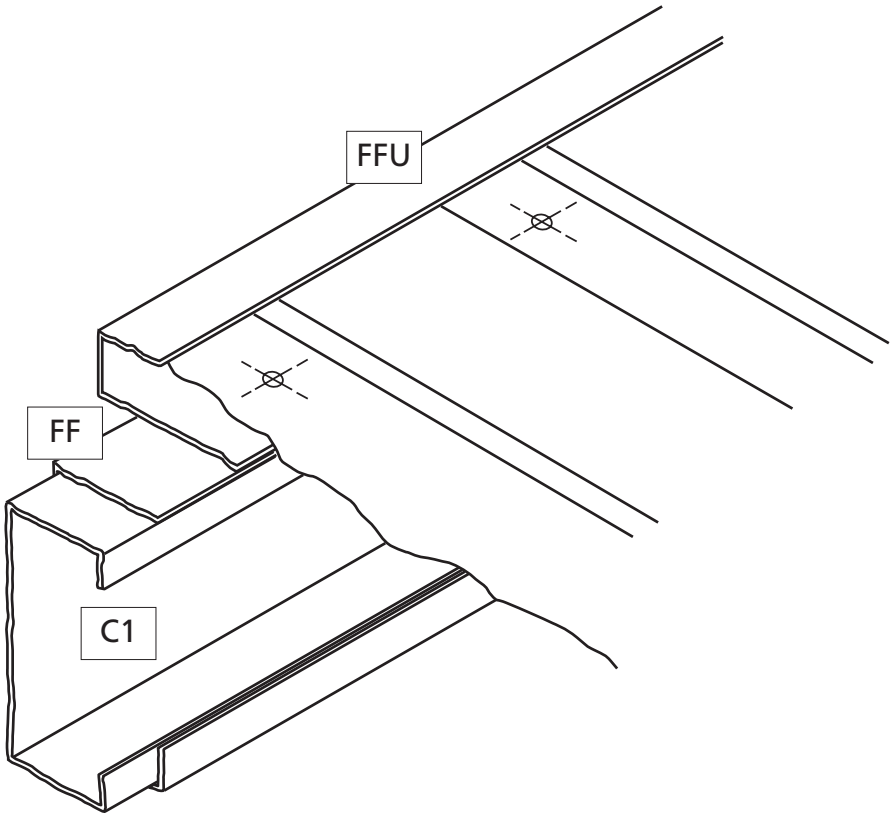
14. Position both the rear fascia sections (RF) on the eaves of the roof then **fully tighten** the fixing bolts along the rear edge.

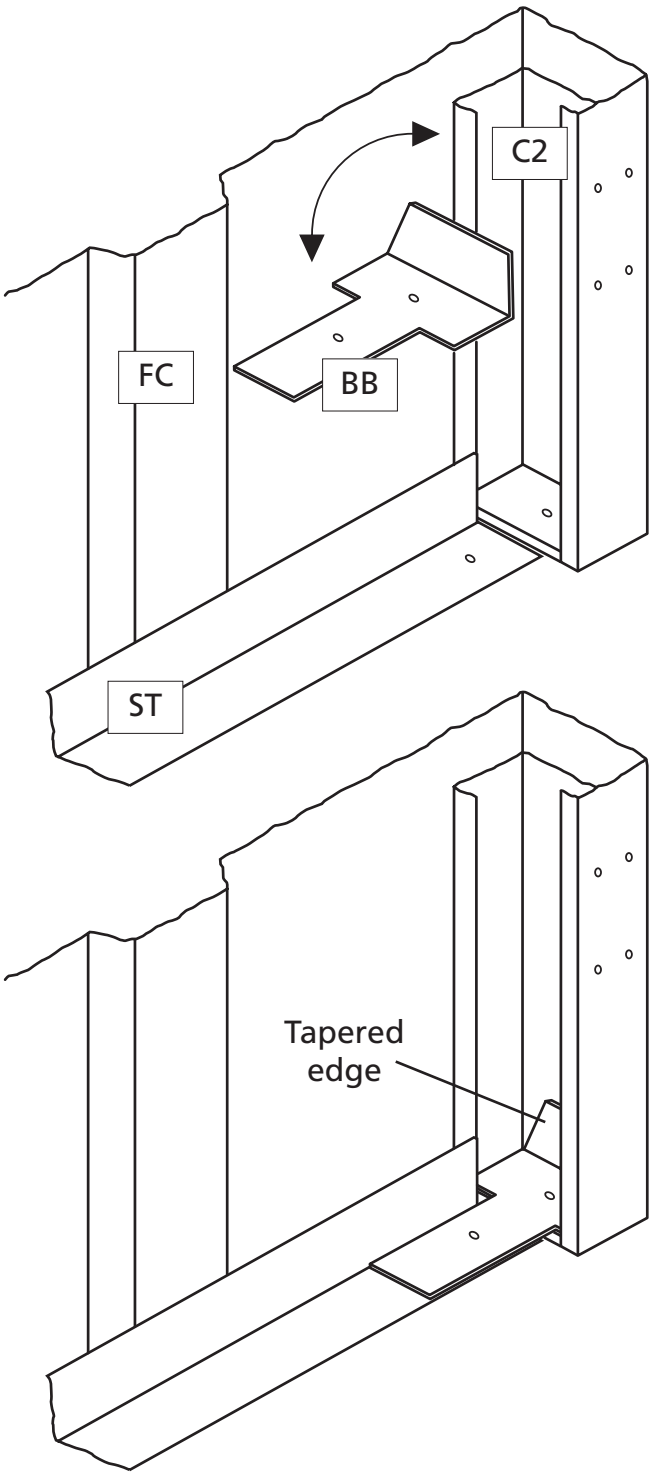


15. Position both the front fascia sections (FF) over the outer face of the goalpost framework.

Position both the upper front fascia sections (FFU) under the front edge of the roof panels.

Then **fully tighten** all fixings along the front edge of the roof.





16. Insert base fixing bracket (BB) into the channel section at either side of the opening and turn through 90^0 for correct positioning.

NOTE

These brackets are handed, so ensure that the tapered edge is nearest to the outermost face of the shelter.

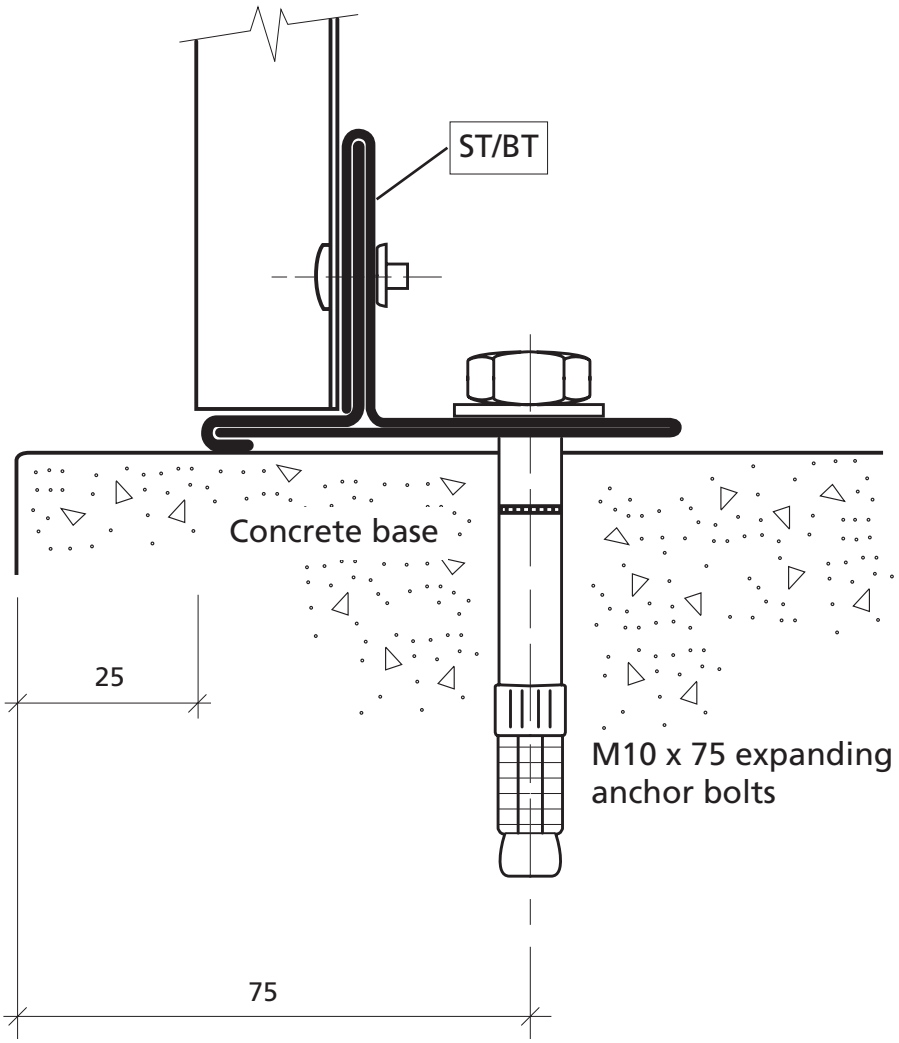
Ensure correct hole alignment prior to base fixing.
(See point 17).

17. BASE FIXING DETAIL

Assuming that no suitable surface exists, the base should be smooth, flat and level concrete to a minimum depth of 125mm onto well consolidated hardcore. Preferably the base should be raised slightly above ground level.

Prior to base fixing ensure that the wall panels are correctly aligned and the shelter is completely square by measuring diagonally from corner to corner.

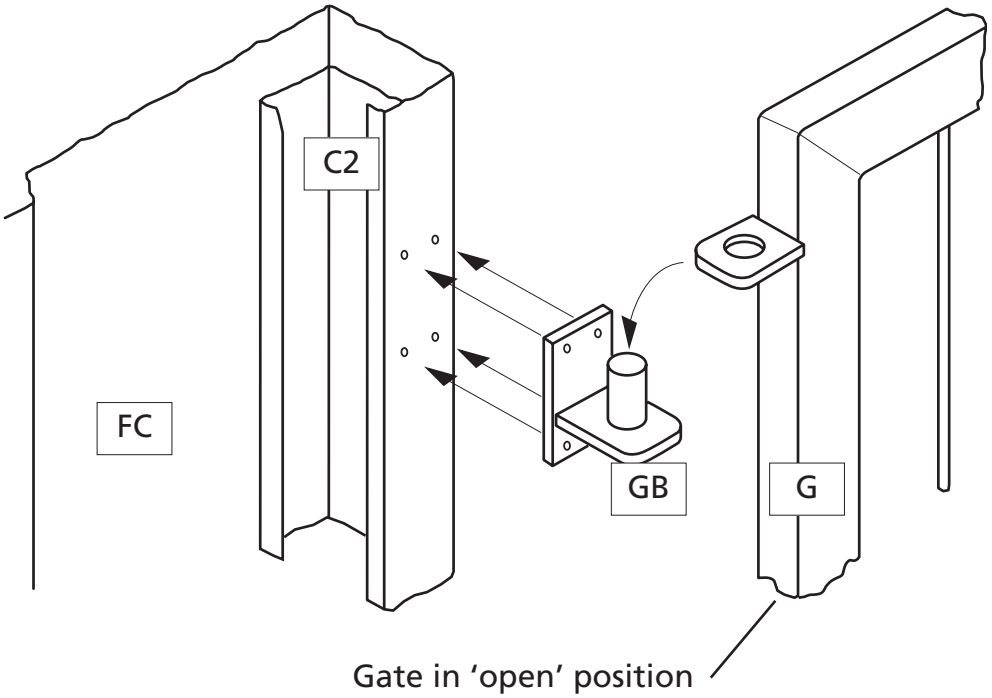
Base fixing is accomplished using 16 no. M10 x 75mm hexagon head expanding anchor bolts.



10mm holes, 90mm deep, should be drilled into the concrete base through the 14 no. pre-punched holes in the fixing tees and the 2 no. holes in the foot of the goalpost frame. The fixing should be inserted to the full depth and then tightened.

18. GATE OPTION (Bi-Safe)

If the shelter has been provided with gates, the installation procedure following the shelter assembly is detailed below.



1. Drill 9mm diameter holes (4 no. per gate bracket) through the 1.5mm diameter pilot holes provided in the front corner panels (FC) and posts (C2).
2. Attach the brackets (GB) to the posts using M8 x 25mm bolts and nyloc nuts (4 per bracket).
3. Attach the gates (G) to the brackets at right angles to the shelter (i.e. in the 'open' position).
4. Swing gates into 'closed' position and make any adjustments necessary to ensure that the shelter and gates are in correct alignment. This may involve using suitable packing material to adjust for the concrete base.
5. Drill holes in the concrete base to suit drop bolt on gate.

Should you require any further assistance please contact us on tel: 01253 600410, fax: 01253 792558 or email: sales@glasdon-uk.co.uk

ISO 9001
ISO 14001

BUREAU VERITAS
Certification

Nº 21040

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