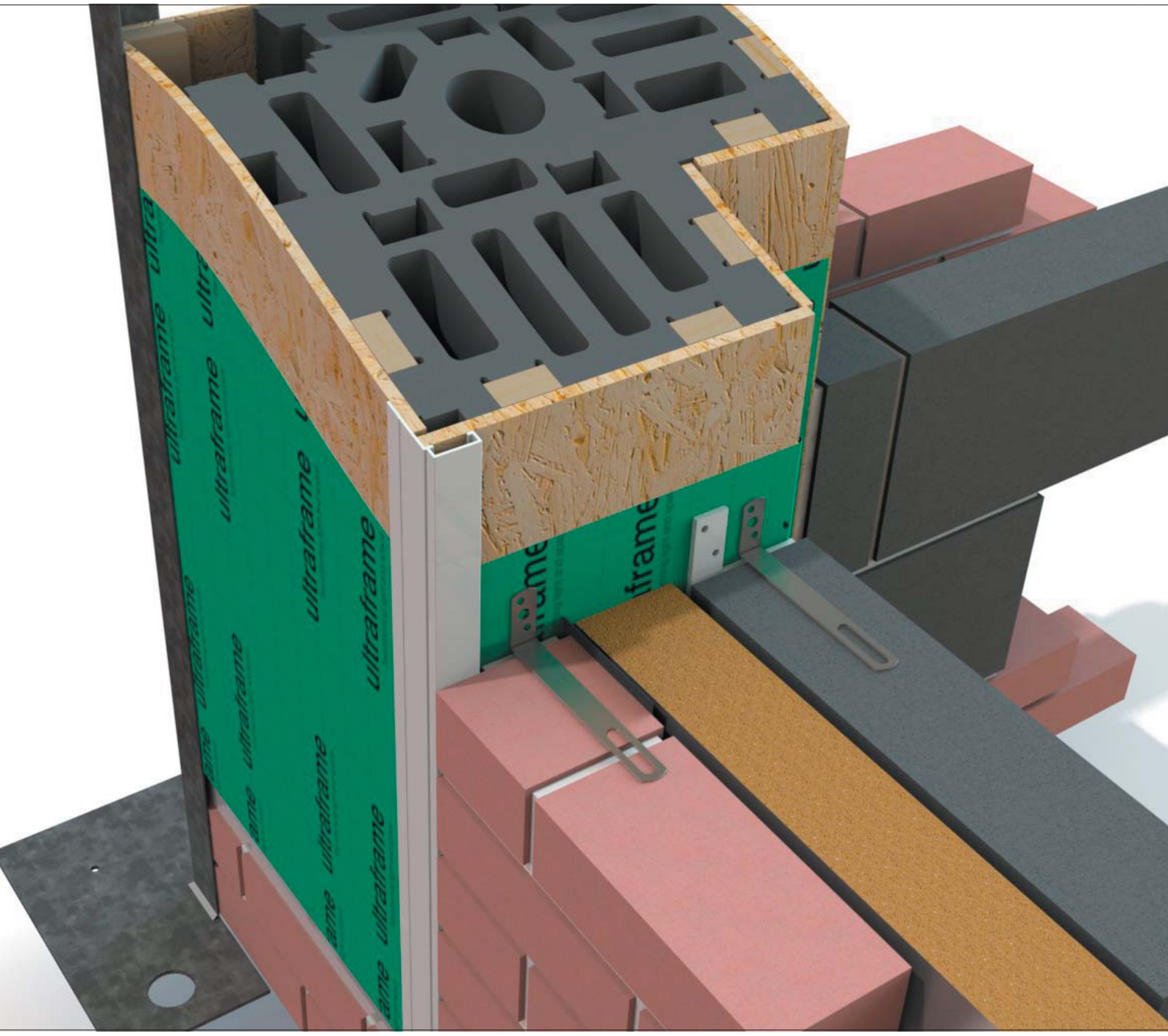
ultraframe

Transforming light and space



LOGGIA

THE CONSERVATORY REDEFINED

Window & Door Products

Orangery Products

Home Extension Products

Conservatory Products

Skylight Products

Column Installation Guide

OCT 2012 | V1

LOGGIA

THE CONSERVATORY REDEFINED

Welcome to the Ultraframe loggia system. This new guide which follows the successful format we established for our other Classic roof technologies is designed to make fitting simple.With big clear graphics, installing this revolutionary product couldn't be more straight forward.

Before you commence installation of the Loggia please take a few minutes to familiarise yourself with the fitting sequence. Any feedback - positive or negative - is welcomed so we can make our product even better.

For assistance with Loggia design / specification please contact the Technical Support Team on 0843 208 6953 or email techsupport@ultraframe.co.uk

CONTENTS

* Responsibility for compliance with Building Regulations and Planning Rules lies with retailers / dealers.

TOOLS REQUIRED


Plumb bob


String & pegs


Hammer drill SDS


10 mm masonry bit


Deadblow hammer / white rubber mallet


13mm Socket Spanner


Spirit Level


Tape Measure


Hack Saw


No. 2 Pozi-drive Bit

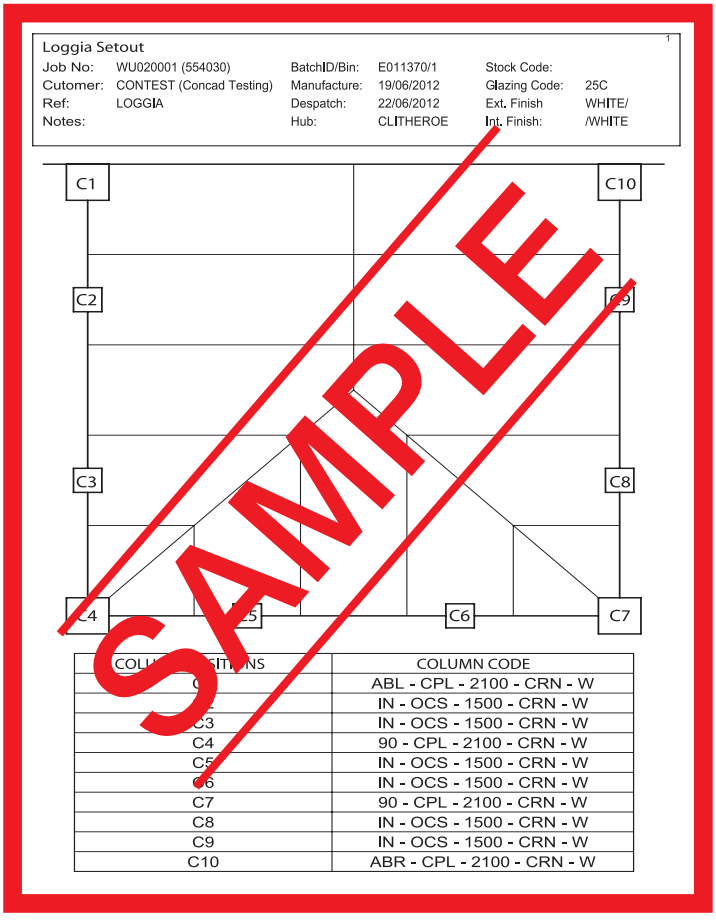

Drill/Screwdriver


Sealant Gun


Angle Grinder

Typical location plan

PROVIDED WITH LOGGIA



MATERIALS YOU NEED TO SUPPLY

12.5mm foil backed plasterboard
Standard Gyproc angle bead
Selection of packers
Timber batten to be used as length template

General points
Care should be taken when handling components that are seen by the homeowner, as surfaces may be scratched if not handled with care. Choose a suitable area for unpacking the components and always check them before fitting. Any claims for missing or damaged parts are only accepted in line with our standard terms and conditions of sale.

Health & safety
Site safety is particularly important. The installation company shall be responsible for the safety of all of the fitting team, the customer and members of the public.

The Surveyor should have carried out a risk assessment to reduce risk on site and this should have been discussed with you prior to starting.

Please use safe working platforms and ladders that comply with BS EN 131. Always use equipment in line with manufacturers recommendations .Personal Protective Equipment –such as goggles, mask and ear defenders – should be used.

Careful consideration should be given to the safe disposal of all packaging – Ultraframe packaging is predominantly made from recycled materials and can be readily recycled.

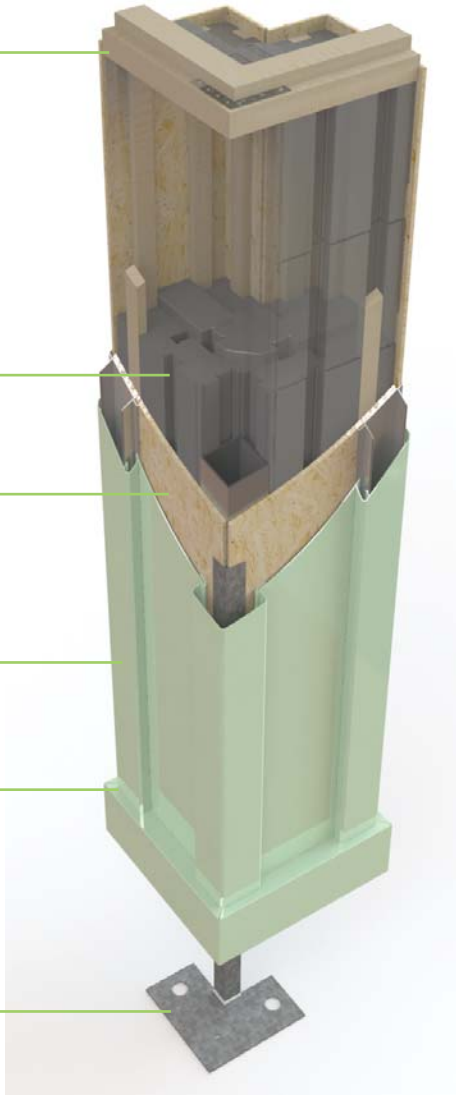
Loggia Columns
Supplied with a location plan and, of course, this installation guide. The location plan is used to match individual components to their respective position. Our numbering convention always starts at the top left.

The Superstructure
Ensure that all frames and masonry walls are vertically plumb, which will then allow perfect alignment.

Technical Support
Tel: 0870 414 1008
Fax: 0870 414 1018
Email: techsupport@ultraframe.co.uk

This product guide illustrates the Loggia product with 70mm window frames and 300mm wide brickwork walls. **If you are installing any other sizes please refer to pages 48 - 50**

Loggia Super insulated columns



Classic roof with Cornice which sits on top

Insulation core is styropor carbon enriched expanded polystyrene

OSB board to all sides mechanically fixed to battens (wrapped in Ultraframe branded breathable membrane)

Powder coated aluminium claddings in a range of 4 standard colours

Various base details available

Brickwork set out post

Loggia decorative details

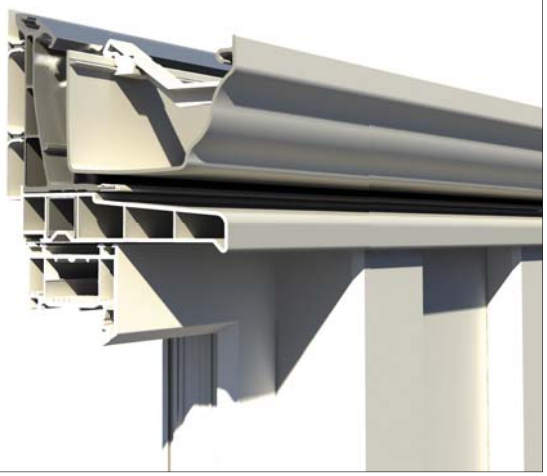
Hidden rainwater downpipe

Cornice

Typical Base detail

STANDARD EAVES CROSS SECTION DETAILS

1



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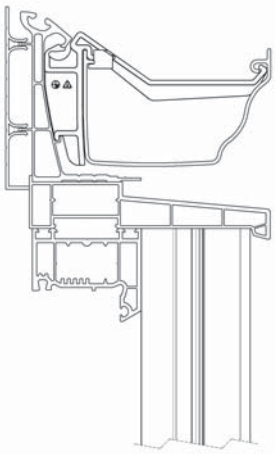
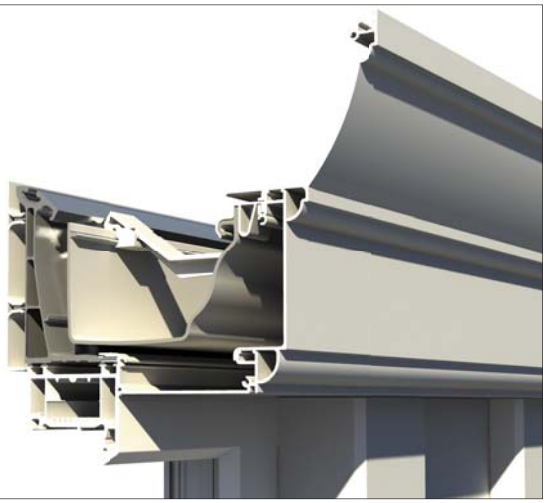


Standard eaves with cill

2



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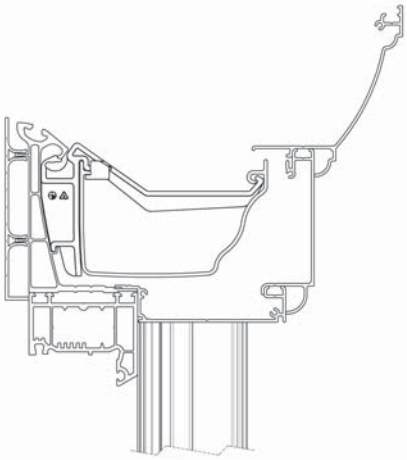
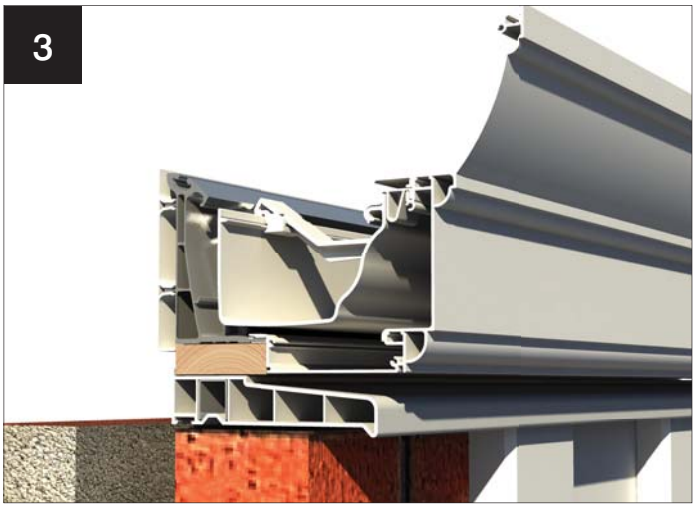


Standard eaves with Cornice

3



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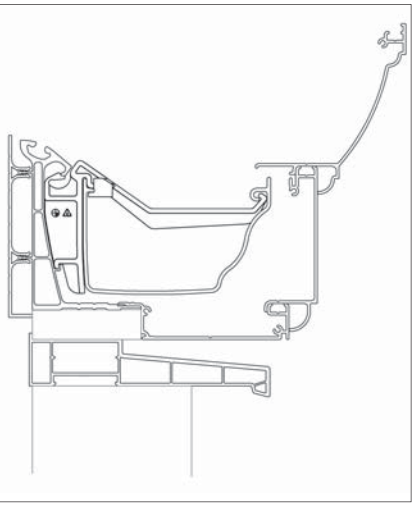
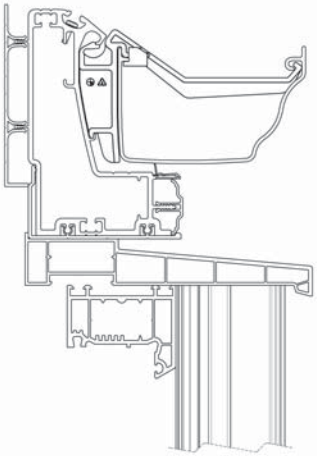


Standard eaves with Cornice and cill on installations with a combination of columns and full height brickwork (timber packer not supplied)

SUPER DUTY EAVES CROSS SECTION DETAILS

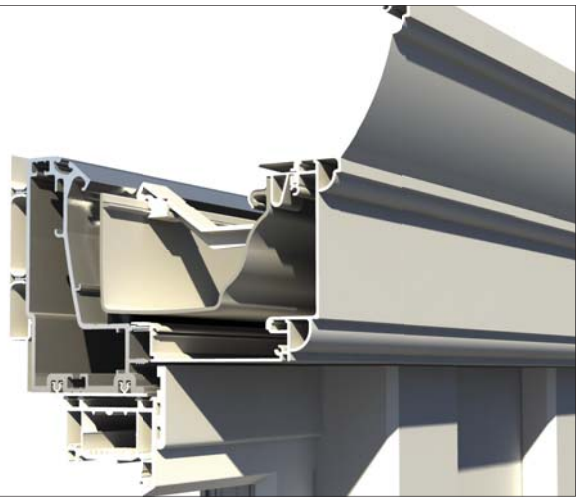
4

4a



Super Duty eaves with cill

5



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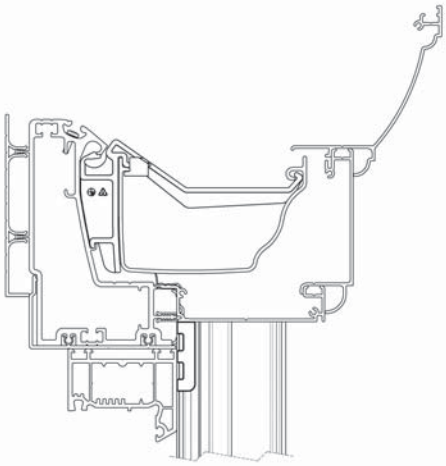
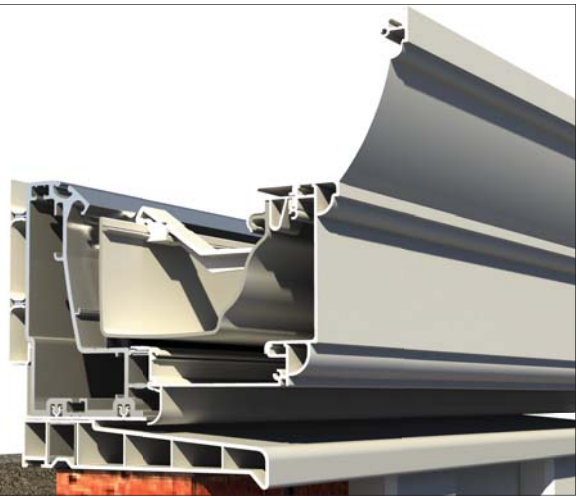


Super Duty eaves with Cornice (trims not supplied)

6



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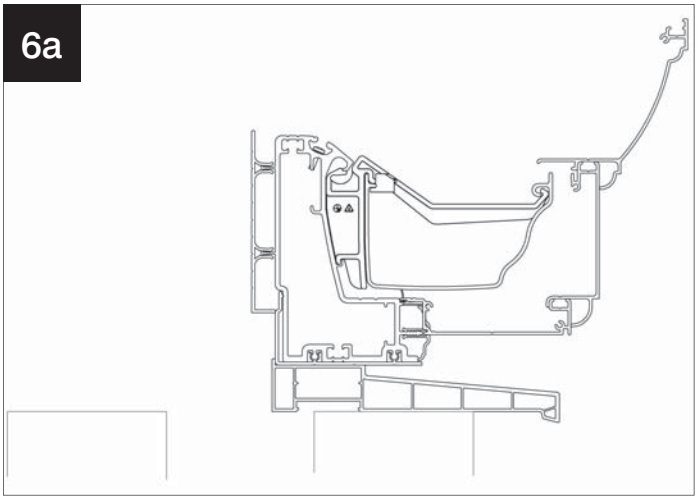
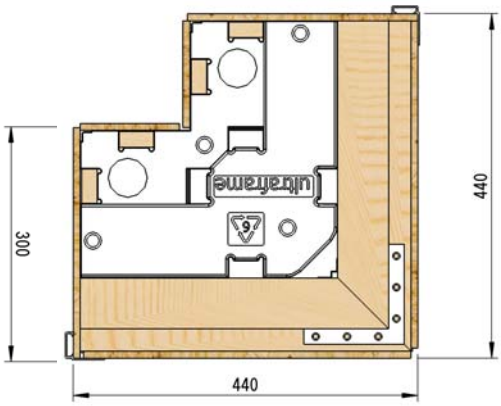


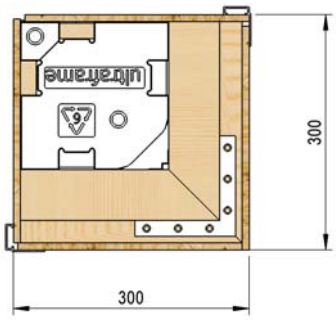
Super Duty eaves with Cornice and cill on installations with a combination of columns and full height brickwork

90º Corner

Large

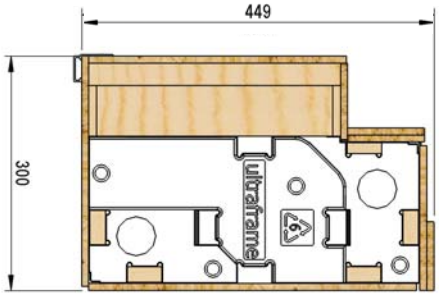


Small

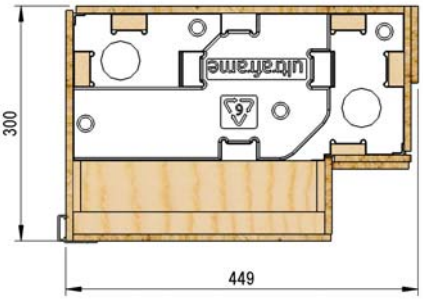


Abutment

Large

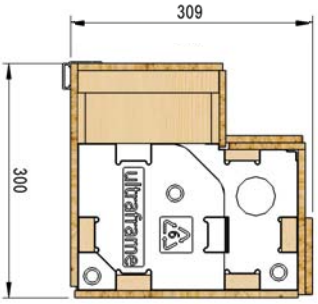


LARGE LH ABUTMENT

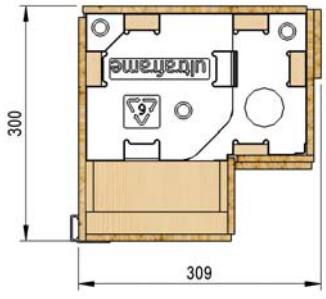


LARGE RH ABUTMENT

Small



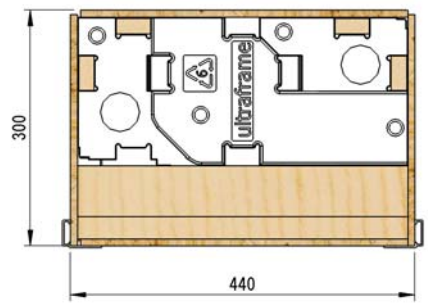
SMALL LH ABUTMENT



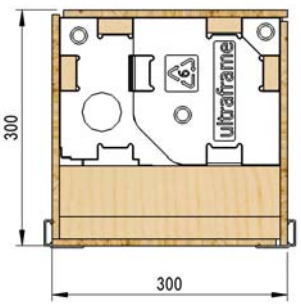
SMALL RH ABUTMENT

In - Line

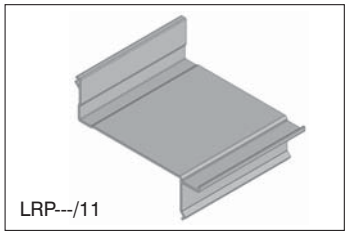
Large



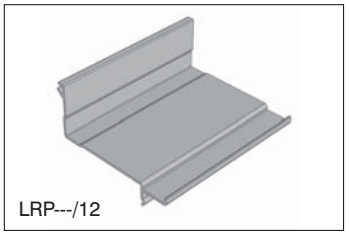
Small



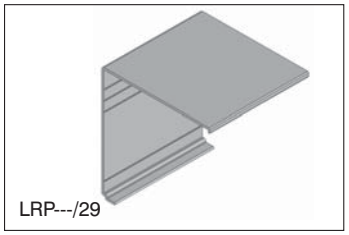
COMPONENT PARTS LIST



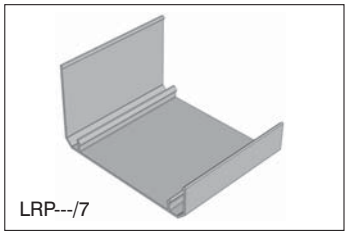
Large column cladding clip



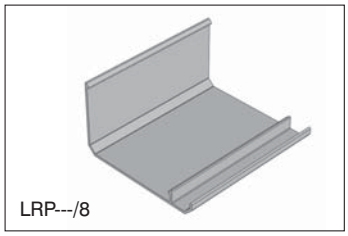
Small column cladding clip



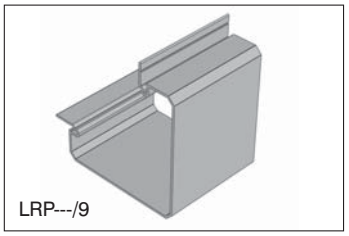
Column abutment brackets



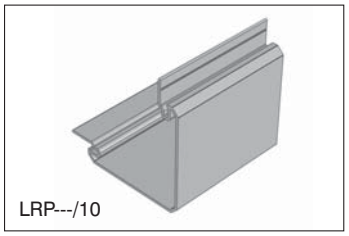
Large column cladding



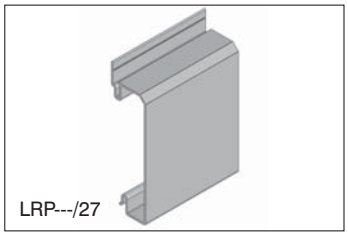
Small column cladding



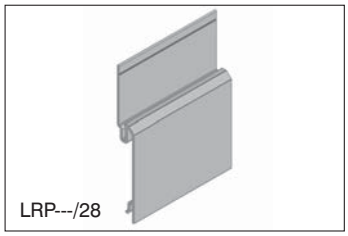
Large 90° column



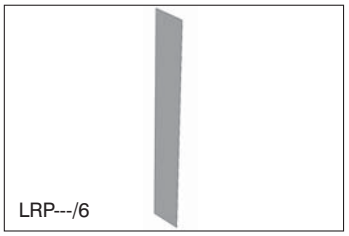
Small 90° column



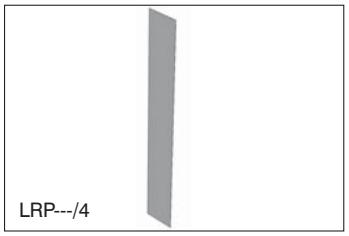
Large column abutment cladding



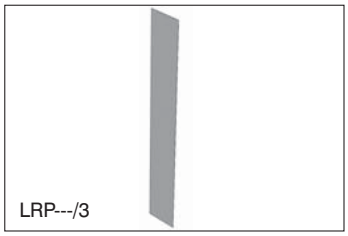
Small column abutment cladding



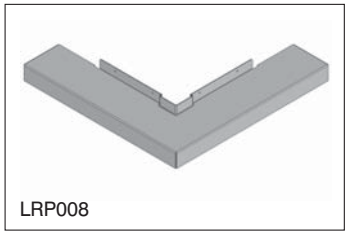
Cladding infill (174mm wide)



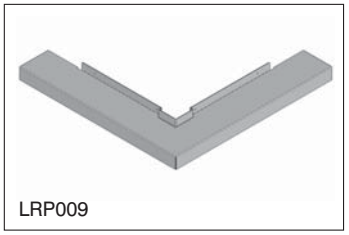
Cladding infill (242mm wide)



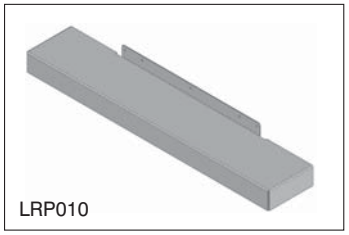
Cladding infill (265mm wide)



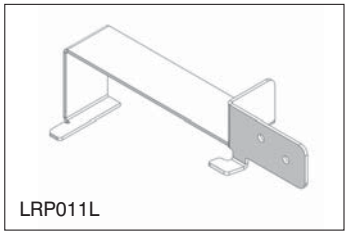
Brick plinth cap Small



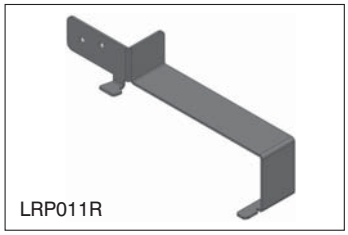
Brick plinth cap Large



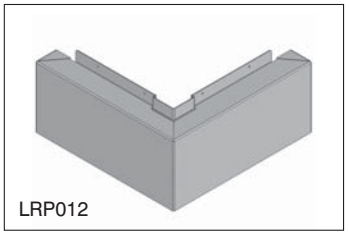
Brick plinth cap inline & abutment



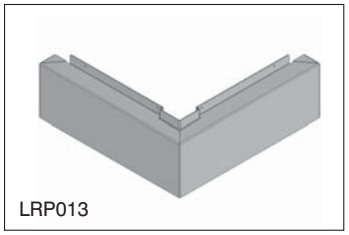
Brick plinth cap LH



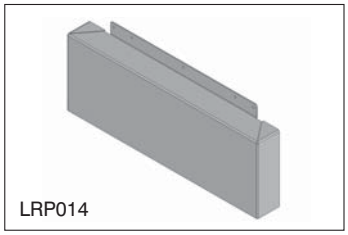
Brick plinth cap end cap



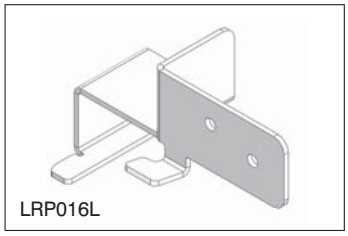
90° column plinth small



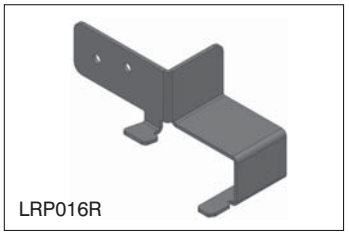
90° Column plinth large



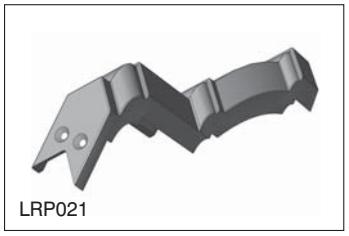
Column plinth inline



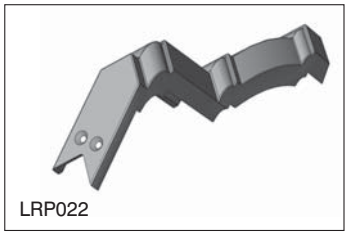
Column plinth end cap LH



Column plinth end cap RH

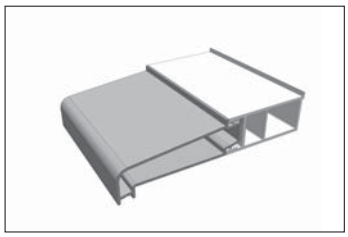


Cornice corner cut large corner cladding

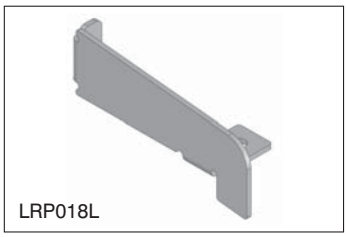


Cornice corner cut small corner cladding

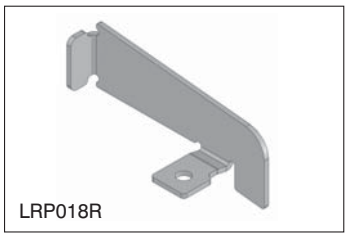
COMPONENT PARTS LIST



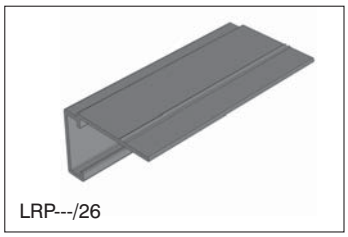
130mm Aluminium cill



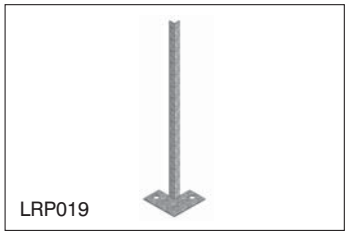
Cill end cap LH



Cill end cap RH

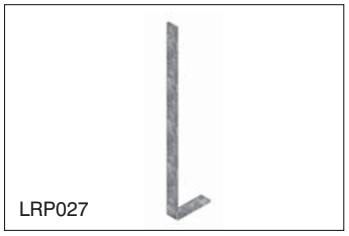


Brick set out spacer

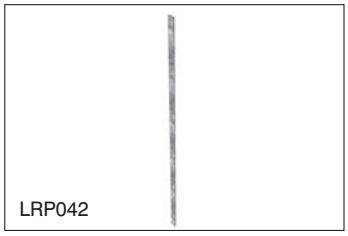


Brickwork setout post - part of kit LRP020

Structural setout post



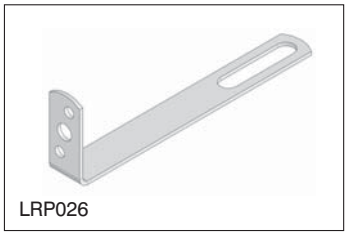
Column support strap tie



Column support strap tie (straight)

Structural column internal bracket - part of kit SLP006

Small column internal bracket - part of kit SLP001



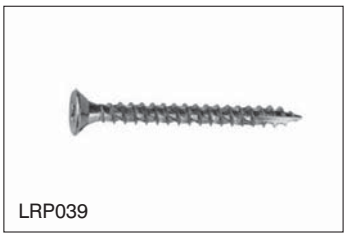
Column brick tie

Post to column fixing kit

Structural post to ground fixing kit

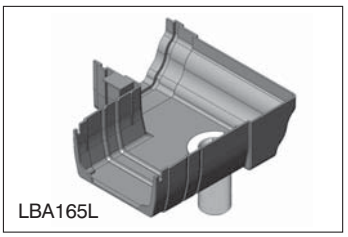
Brickwork setout post fixing kit

4.8mm x 25mm pozi pan Hd self tap screw

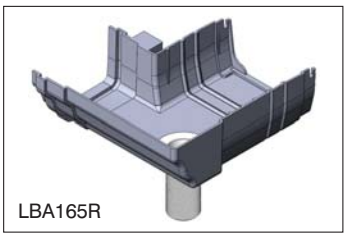


post to column fixing kit

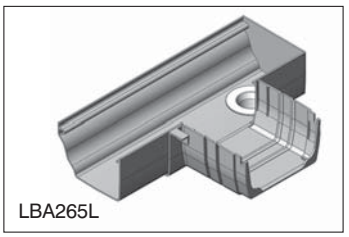
3.5mm x 9.5mm self drill screw



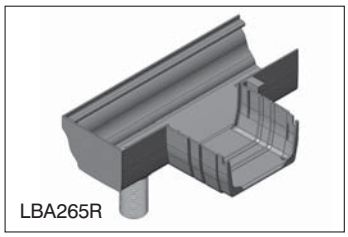
Loggia 90° boxgutter adaptor LH



Loggia 90° boxgutter adaptor RH



Loggia 90° 265 boxgutter adaptor LH



Loggia 90° 265 boxgutter adaptor RH

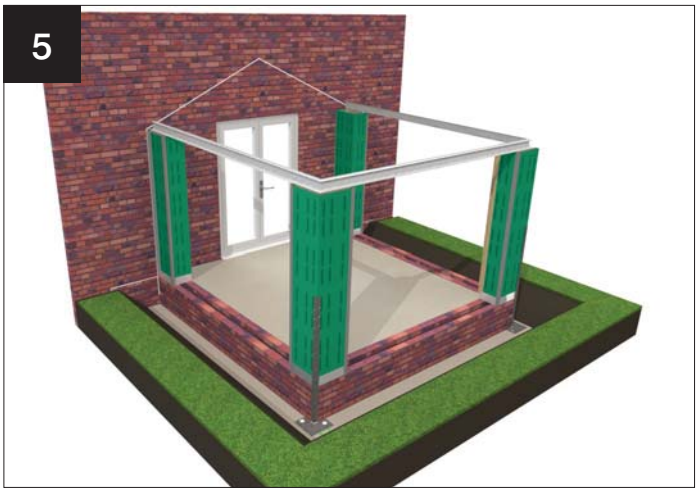
QUICK OVERVIEW OF INSTALLATION

Fix brickwork set out posts to footings, align to stringline

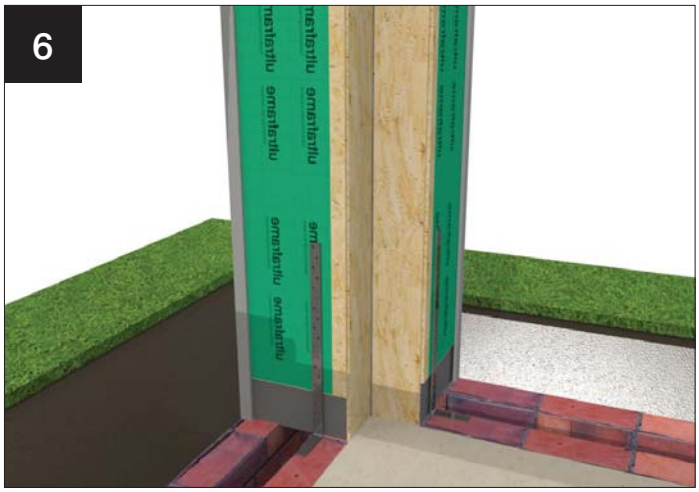
Complete base to slab level

Fit corner columns

Fit abutment columns



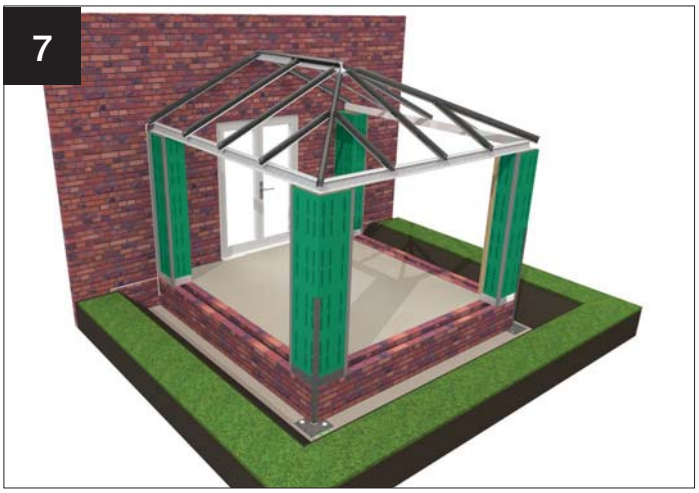
Fit eaves beams to columns. Plumb and level



Fit straps and or structural anchors

QUICK OVERVIEW OF INSTALLATION

7

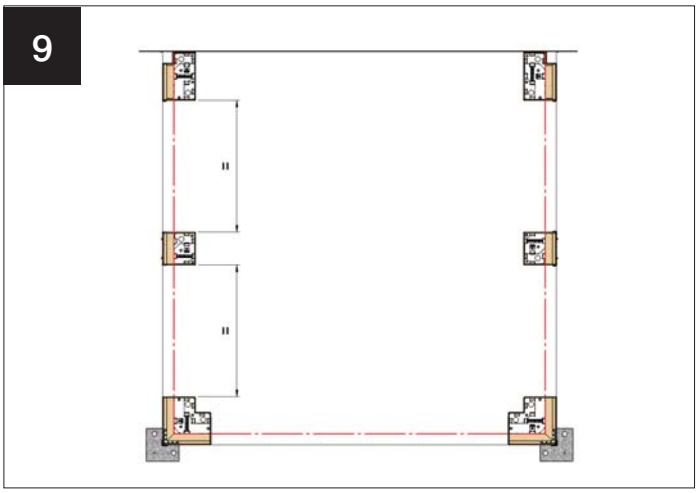


Fit skeleton of roof

8

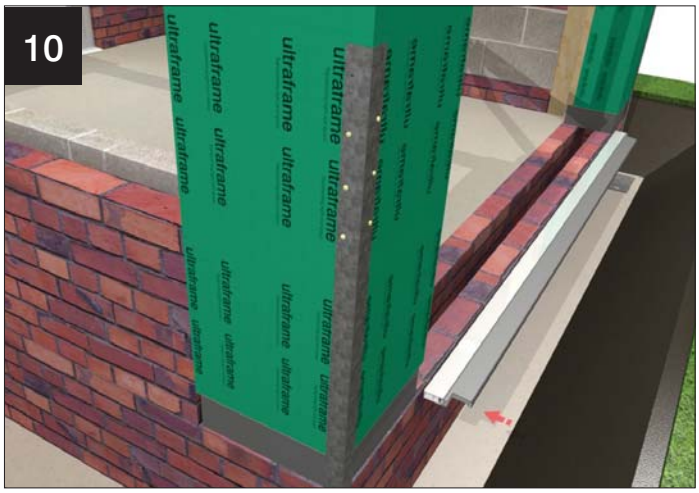
If dwarf walls are required, build up walls and tie into columns

9



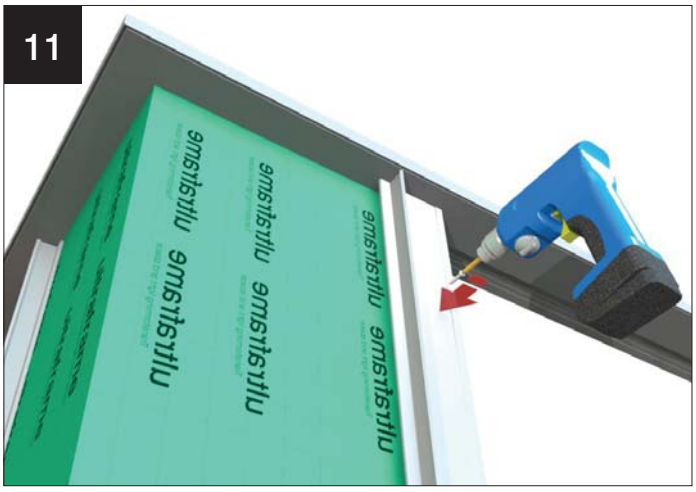
Measure, equalise and fit in line columns

10



Fit window cill, notch as detailed

11

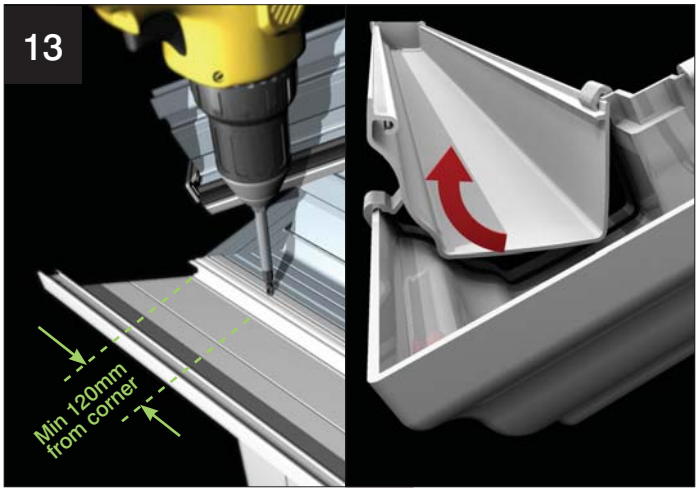


Fit clips to columns. Clips are used to position windows

12

Fit and seal windows / doors against clips

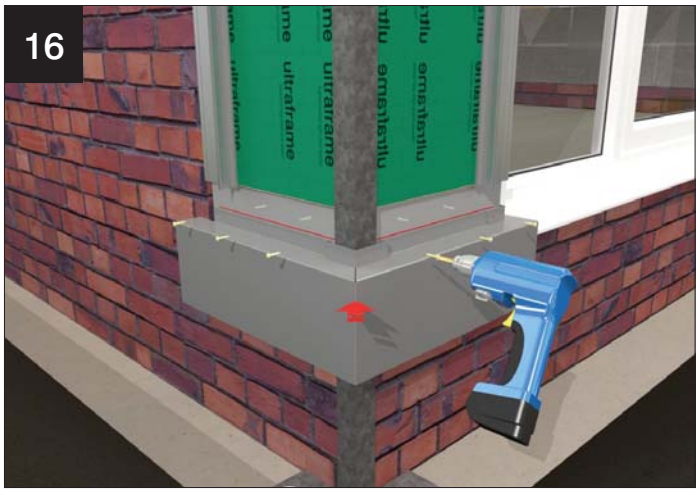
QUICK OVERVIEW OF INSTALLATION



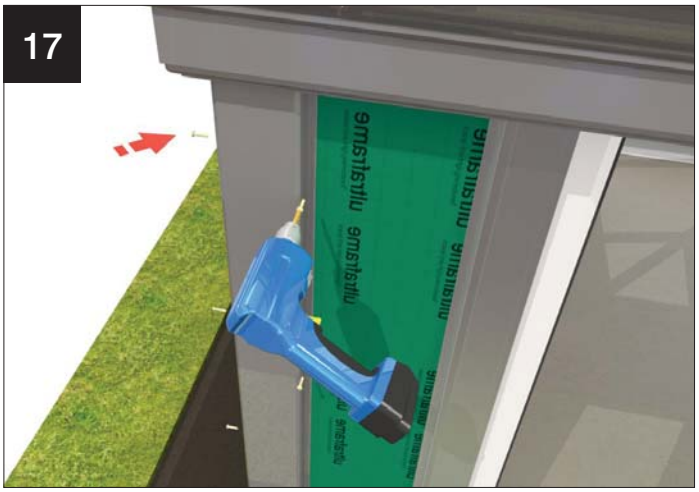
Fit guttering and cornice as per Classic Installation Guide

Fit concealed rainwater downpipe (if ordered)

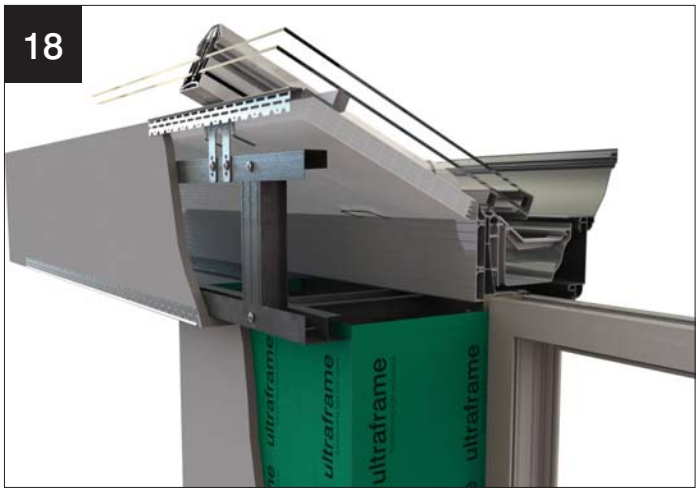
Glaze and finish roof as per Classic Installation Guide



Fit plinths (picture shows trench not yet back filled)



Fit claddings



Fit LivinRoom (if specified) and plasterboard

FOUNDATIONS SET OUT

1

NOTE: IT IS IMPORTANT TO GET THE DIMENSIONS CORRECT AT THIS EARLY STAGE TO ENSURE A QUICK AND TROUBLE FREE BUILD

Foundation set out posts (There are two types of set out posts that may have been ordered / specified)

1a

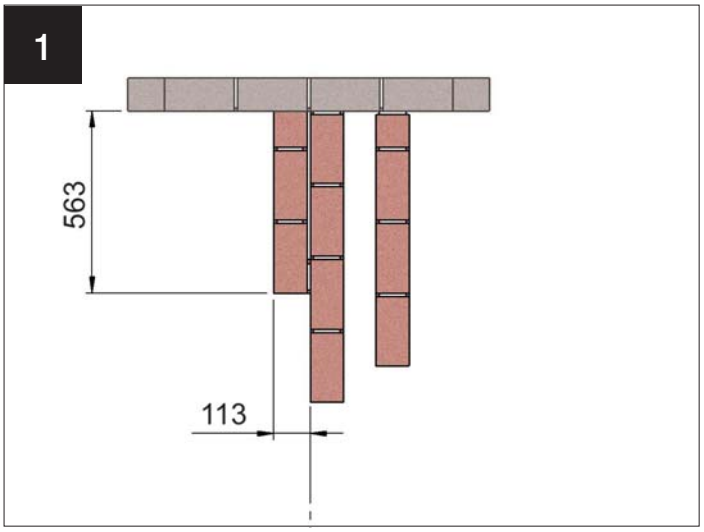
Brickwork setout post

1b

Structural setout post / structural internal bracket.

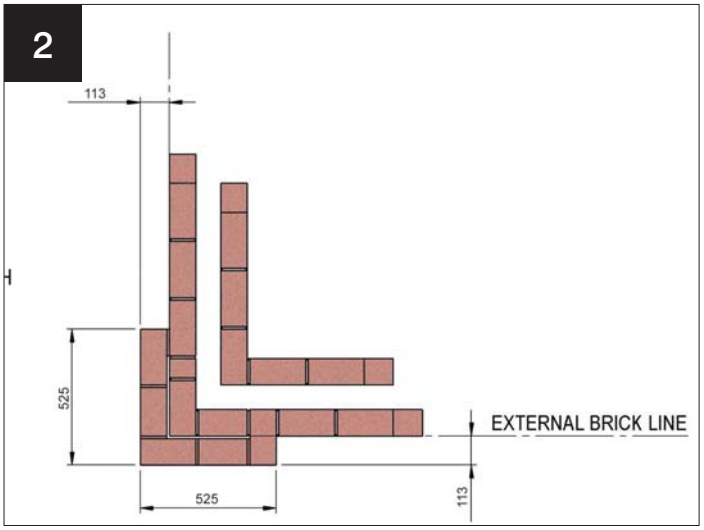
Large Abutment Brick Plinth sizes

1



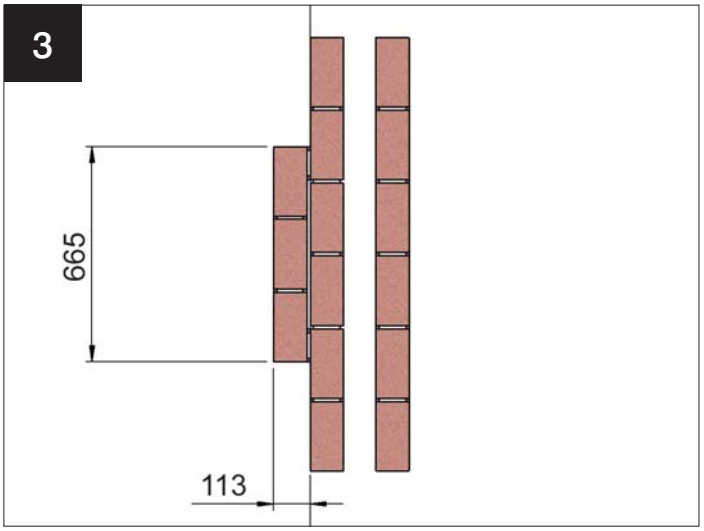
Small Corner Brick Plinth sizes

2



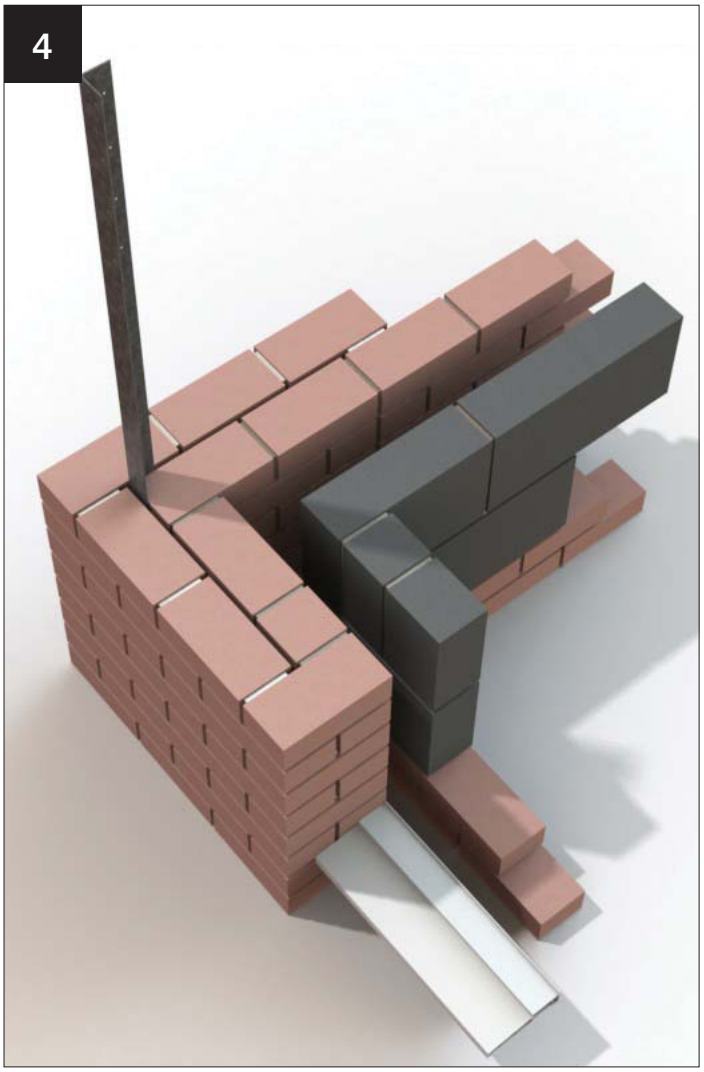
Large Inline Brick Plinth sizes

3



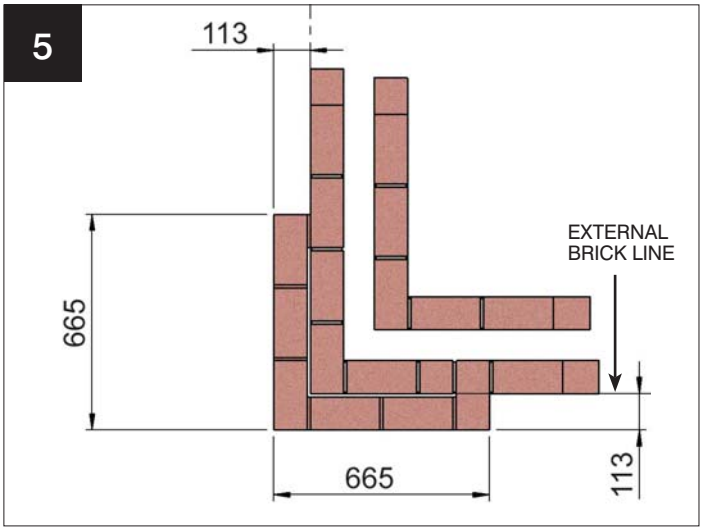
NOTE: SMALL INLINE AND SMALL ABUTMENT COLUMNS ONLY AVAILABLE ON CILL

4



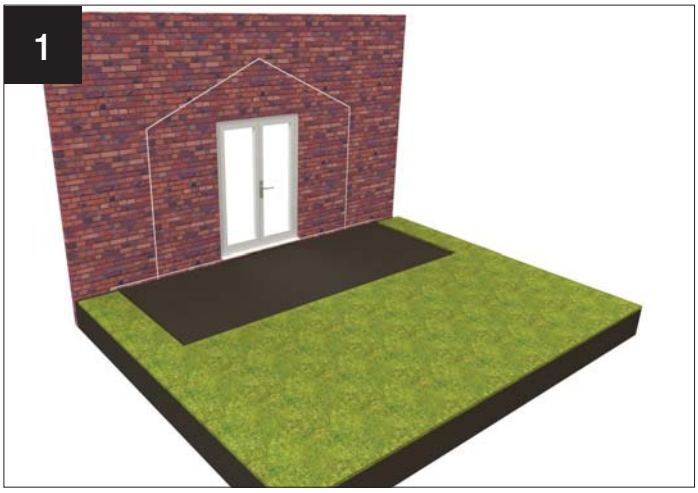
Large Corner Brick Plinth sizes

5



FOUNDATION SETOUT

1



Accurately mark out the external brickwork outer face dimensions on the existing wall as indicated on your base plan (to within 5mm).

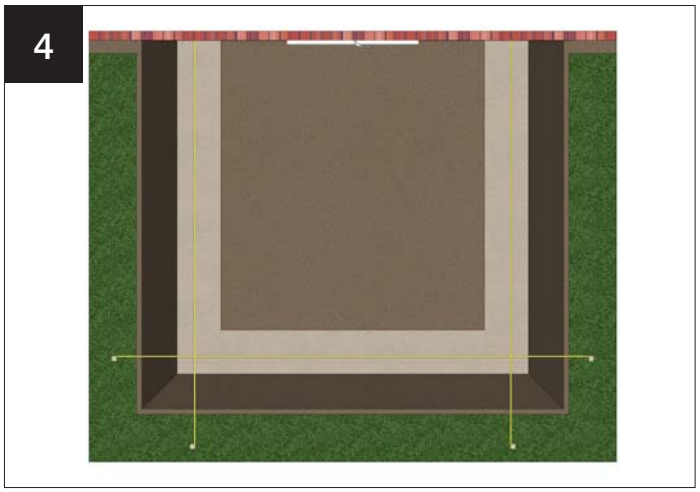
2

Mark and dig out for the footings to a depth dependent on the ground conditions and / or agreed with your surveyor. Protect or divert any drainage pipes. Form the concrete footings and float finish to form a level surface.

3

Survey existing house wall over conservatory area for being out of plumb vertically and bows (protrusions) horizontally. Plumb off high point to determine the datum position. Set stringlines for the external face of the brickwork. FITTERS TIP – PUT LONG SCREW INTO WALL AND WIND IN OR OUT TO GIVE DATUM POINT.

4

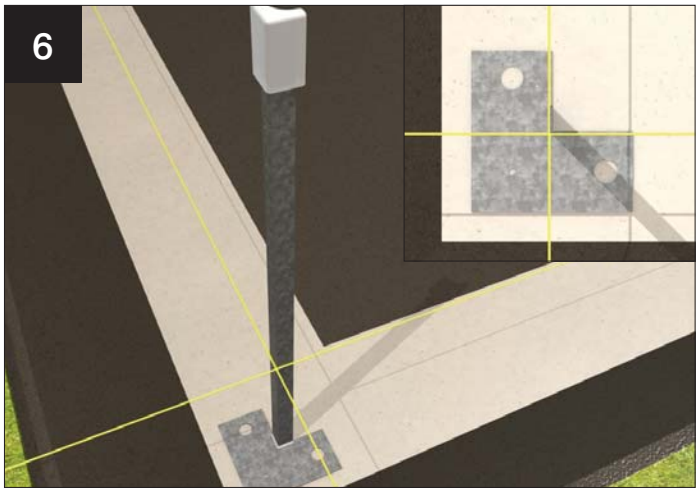


Using the base plan provided, check the width and projection is to within 5mm. Ensure that diagonals are checked to ensure that the stringlines are square.

5

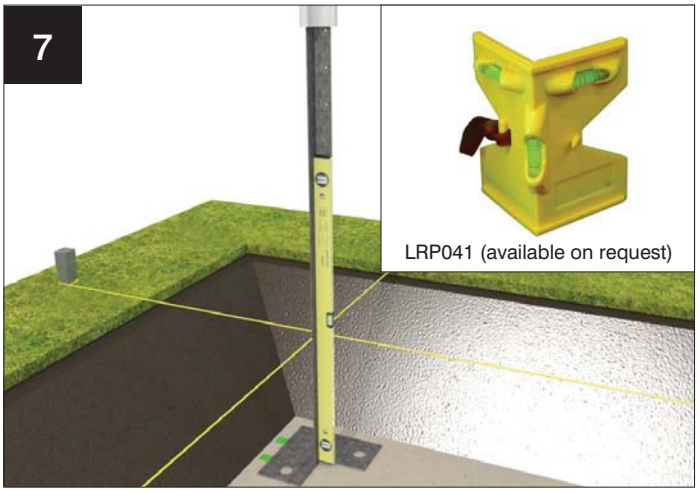
OPEN PACKS MARKED 'A' (LOGGIA BRICKWORK SET OUT POST) Remove the base fixing kit (LRP038) from the post. The post to column fixing kit (LRP039) is to be used later and so can be left in place until required. Leave protective foam cap in place until columns are to be fitted.

6



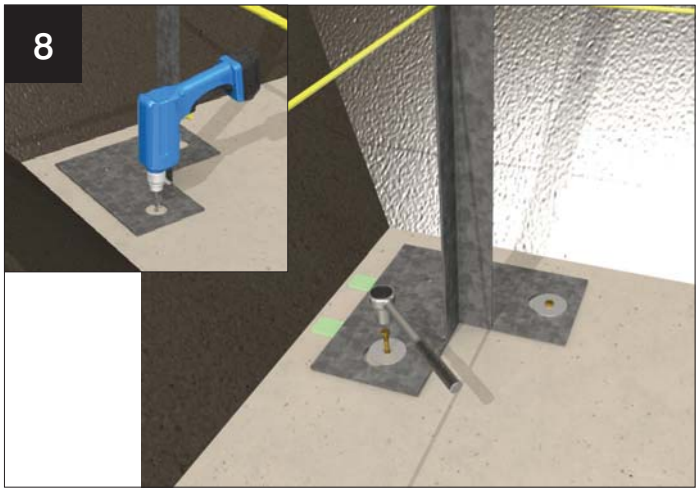
Place the brickwork setout post on the footings with the vertical angle positioned in the corner of the stringlines as shown. Ensure the vertical angle is square to and touching the stringlines but not pushing them out of position.

FOUNDATIONS SET OUT

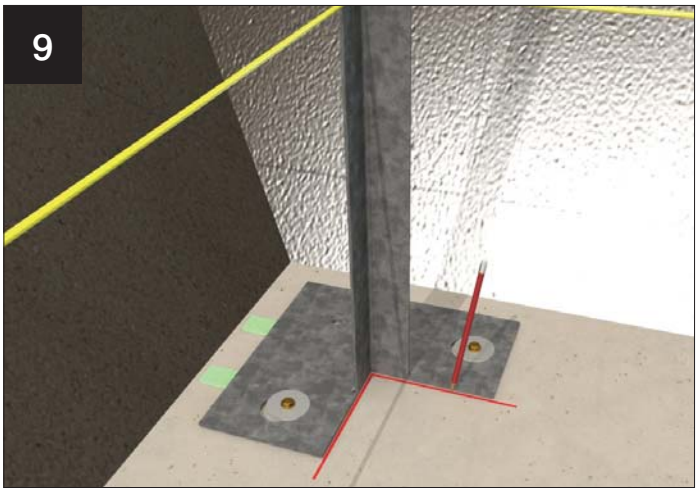


Level up the brickwork setout post by packing out as required under the base plate with the supplied wedge packers in kit LRP038. Ensure that the vertical angle on the post stays in position with the stringline.

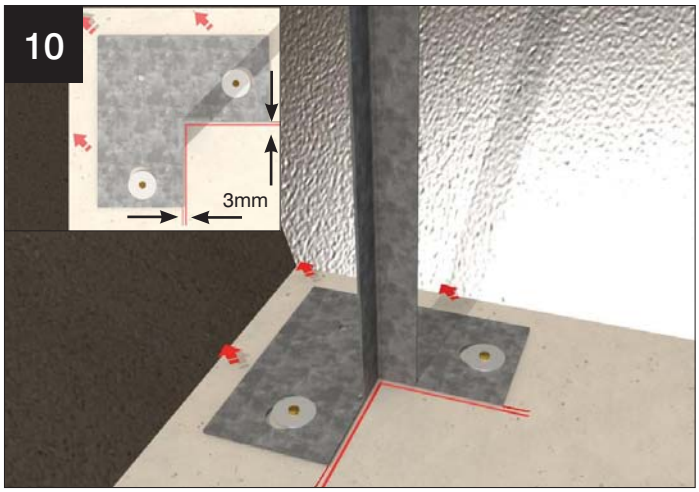
FITTERS TIP – USING A MAGNETIC POST LEVEL - LRP041 (AVAILABLE ON REQUEST) SIMPLIFIES THIS PROCESS.



Drill a 10mm diameter hole in the centre of the large holes in the base plate into the concrete footing. Insert the M8 x 80mm bolt provided through the 50mm washer and place into the holes. Only finger tighten the bolts at this stage. Ensure the fixings provided are used to guarantee that the post is adequately secured to footings.

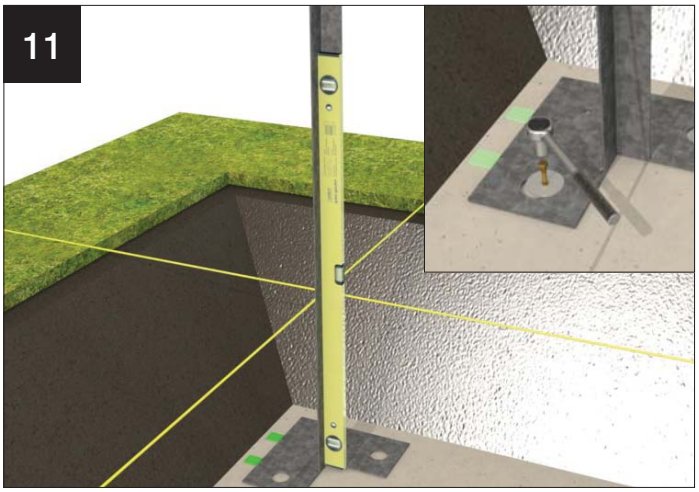


Mark the back of the base plate on the footing. NOTE: THIS MUST BE DONE ON ALL THE SET OUT POSTS BEFORE REMOVING THE POST.

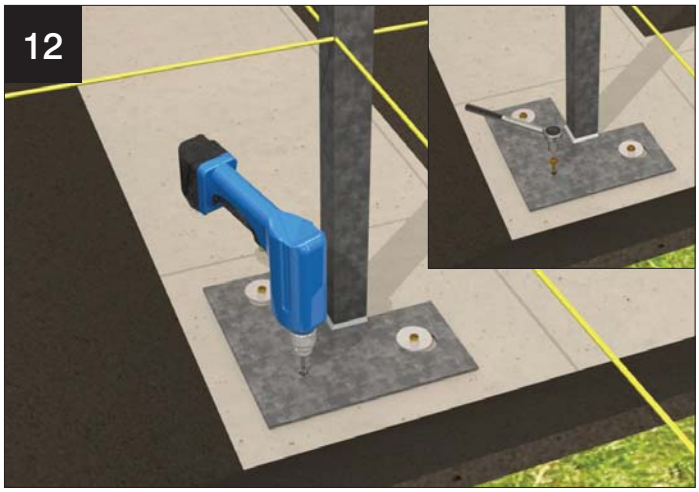


Move the brickwork setout post 3MM FOR STANDARD POST, 5MM FOR STRUCTURAL POST AS SHOWN FROM THE MARKED LINE. This will line up with the inside edge of the vertical angle on the true line of the brickwork.

NOTE: HEIGHT OF THE POST OUT OFF THE GROUND IS NOT CRITICAL.

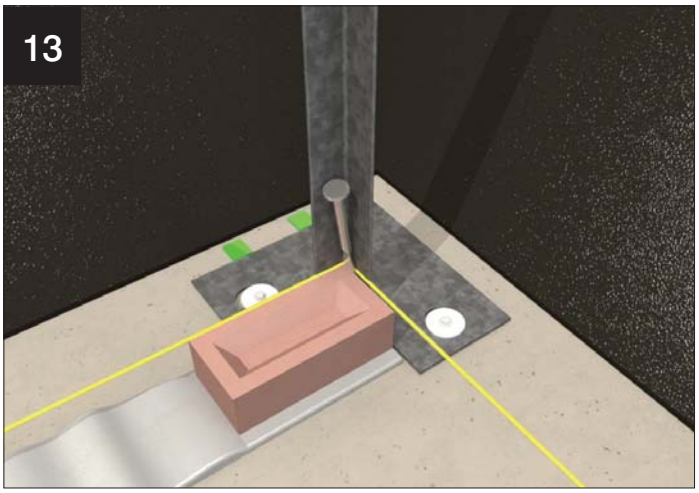


Re-check that the post is plumb. Re-check the base sizes including diagonals (fig 4). Tighten bolts. Check again.



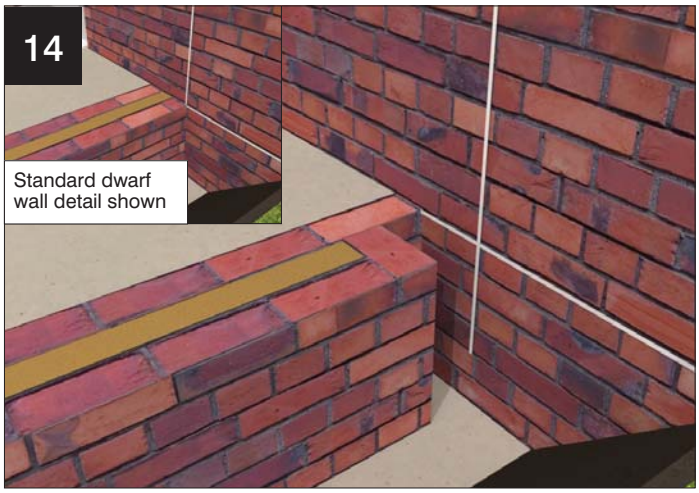
Drill a 10mm diameter hole through the hole in the outer corner of the base plate. Insert provided M8 x 80mm bolt and fix down to fully secure setout post. 13mm socket required. Remove this stringline.

13



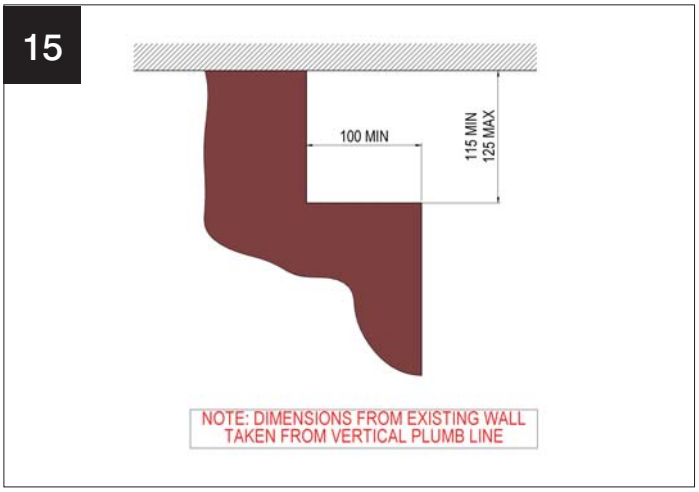
Re-erect a new stringline for the brickwork using the inside face of the setout post upright as a datum. Continue to build courses as normal.

14



If a concealed rainwater downpipe has been specified on the Abutment column, then the base work is required to step in to allow for the downpipe. See Fig 15 for details.

15

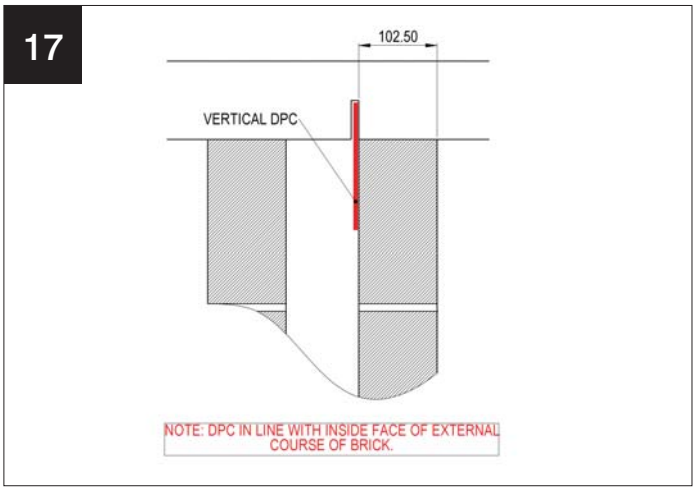


Base work detail shown for the concealed rainwater downpipe in the Abutment column. STEP NEEDS TO BE A MINIMUM OF 115MM OR A MAXIMUM OF 125MM FROM THE HOST WALL AND A MINIMUM OF 100MM FROM THE OUTSIDE OF THE BRICKWORK. Ensure that dimensions are taken from the vertical plumb line.

16

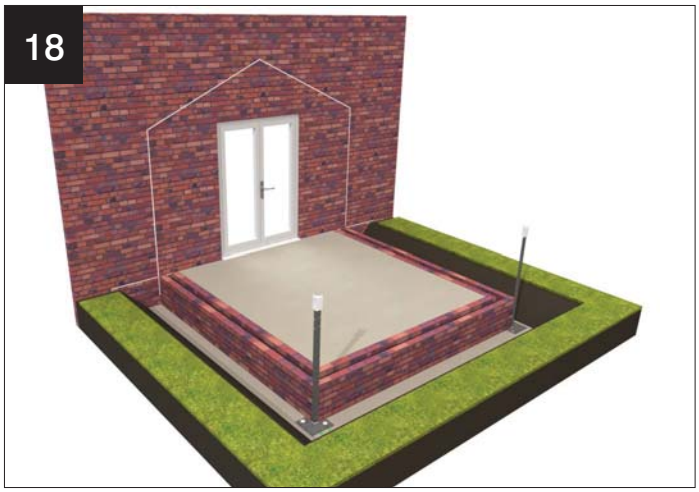
If using abutment columns, a vertical DPC is required. Grind a slot into the host brickwork to eaves height to accept DPC as shown in Fig 17.

17



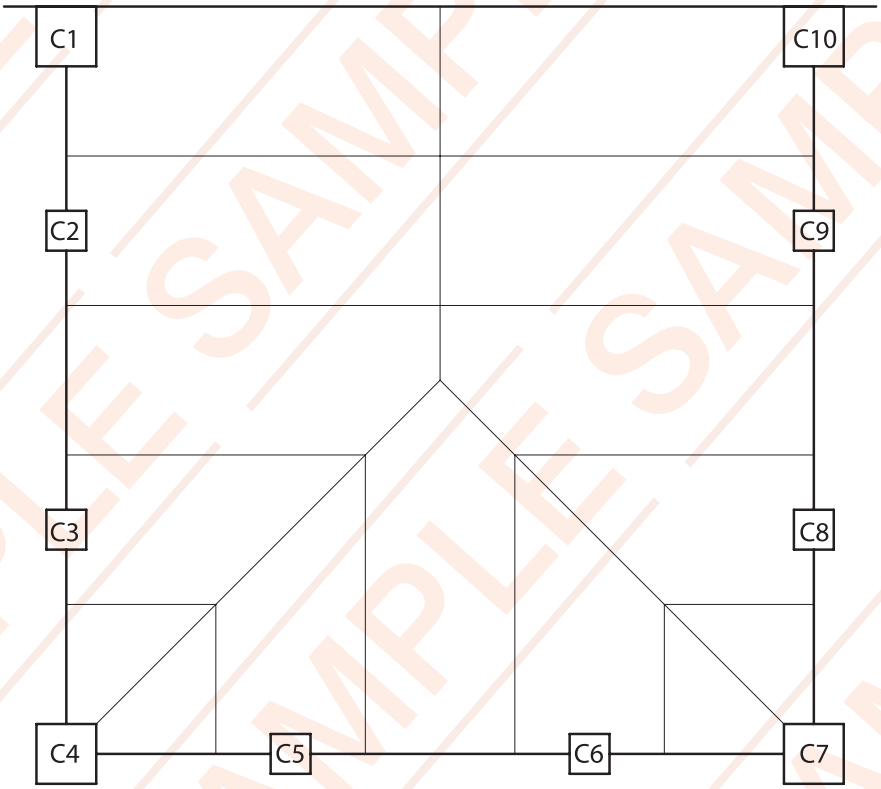
Position of slot for vertical DPC shown. Slot is 103mm measured from the outside of the brickwork

18



Completed slab with setout posts ready to accept Loggia columns.

LOCATION PLAN



Loggia Setout					
Job No:	WU020001 (554030)	BatchID/Bin:	E011370/1	Stock Code:	
Cutomer:	CONTEST (Concad Testing)	Manufacture:	19/06/2012	Glazing Code:	25C
Ref:	LOGGIA	Despatch:	22/06/2012	Ext. Finish	WHITE/
Notes:		Hub:	CLITHEROE	Int. Finish:	/WHITE

COLUMN POSITIONS	COLUMN CODE
C1	ABL - CPL - 2100 - CRN - W
C2	IN - OCS - 1500 - CRN - W
C3	IN - OCS - 1500 - CRN - W
C4	90 - CPL - 2100 - CRN - W
C5	IN - OCS - 1500 - CRN - W
C6	IN - OCS - 1500 - CRN - W
C7	90 - CPL - 2100 - CRN - W
C8	IN - OCS - 1500 - CRN - W
C9	IN - OCS - 1500 - CRN - W
C10	ABR - CPL - 2100 - CRN - W

PACK INFORMATION LABEL

Loggia Pack

CLADDINGS

This Pack Contains

Powder Coated Claddings

Pack No. 12

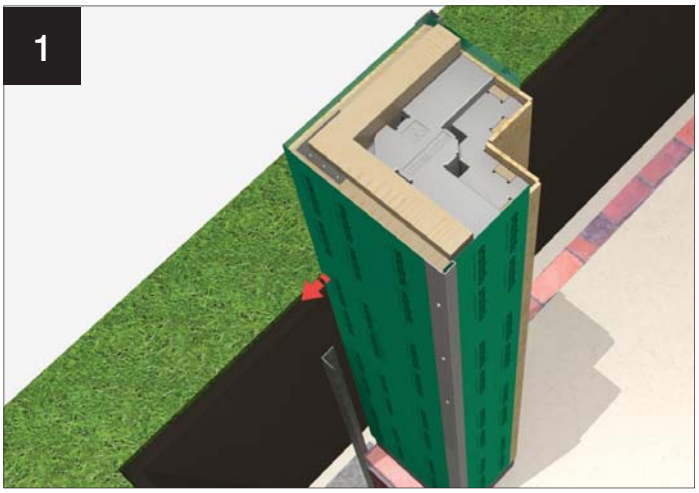
Parts for Column

12

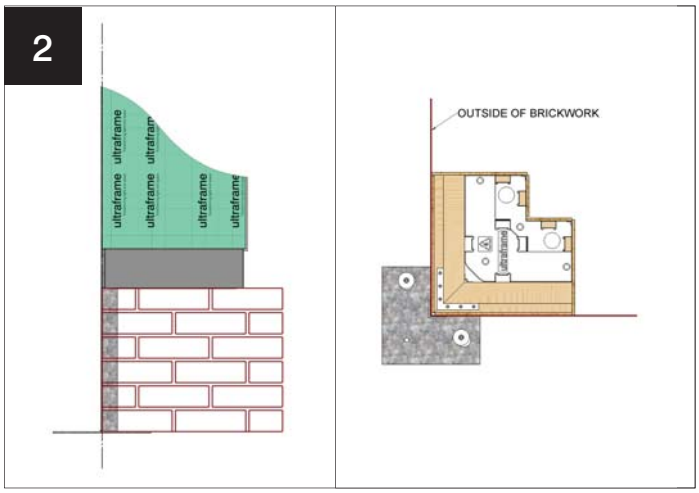
INSTALLATION SEQUENCE LABEL

A

COLUMN INSTALLATION

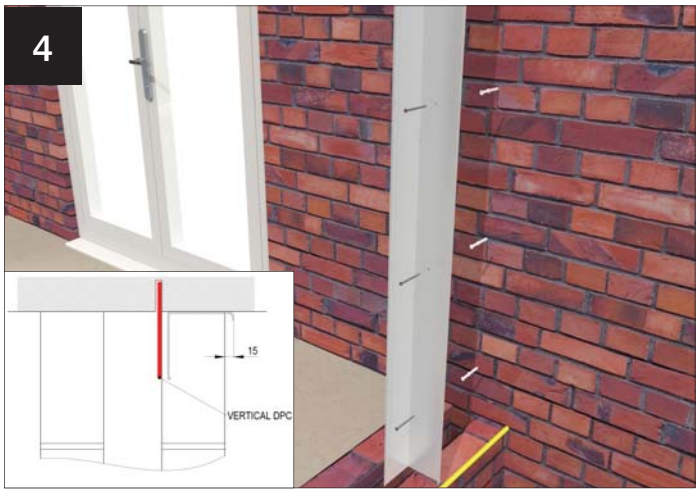


OPEN PACKS MARKED 'B' (LOGGIA COLUMNS)
Position corner column in corner of brickwork. Align with setout post

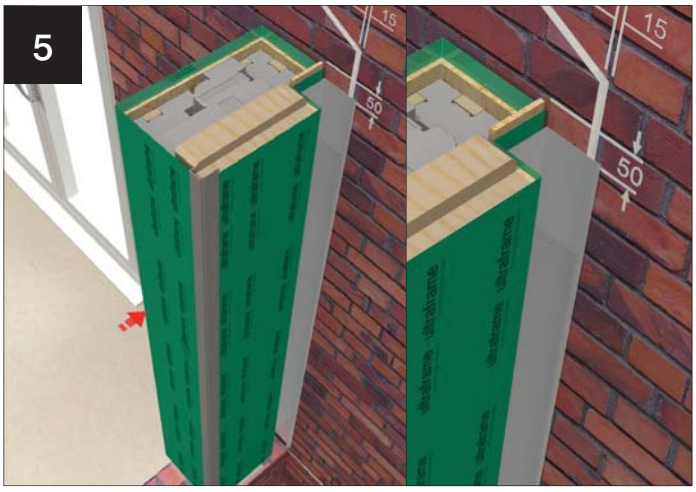


Align upper side faces (ensure it is the membrane face) with outside of brickwork

Mark and grind out brickwork for vertical DPC



Drill abutment bracket. Mark position of bracket 50mm down from eaves height (see fig 5). Fix abutment bracket to the host wall using appropriate anchors (not supplied). NOTE: THE ABUTMENT BRACKET MUST BE SET 15MM OUTBOARD OF THE BUILDING LINE AS SHOWN. Fit DPC.

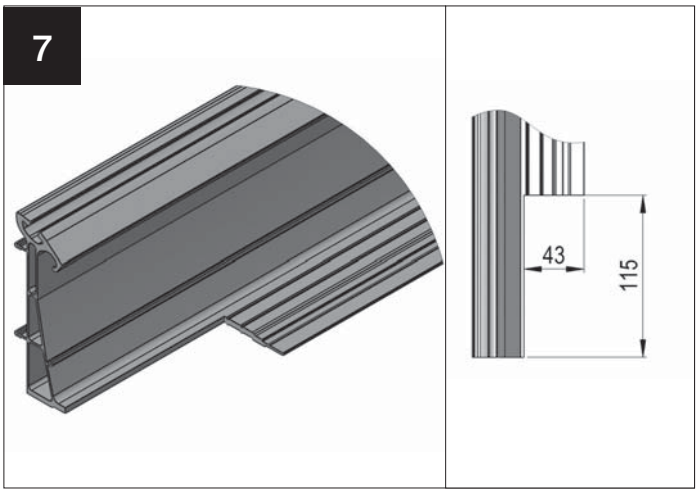


Fit abutment column to bracket and temp fix with one screw. Bracket should be 50mm below bottom of eaves beam.

If no abutment column specified temp fix timber batten on host wall at eaves level. (Underside of eaves beam)

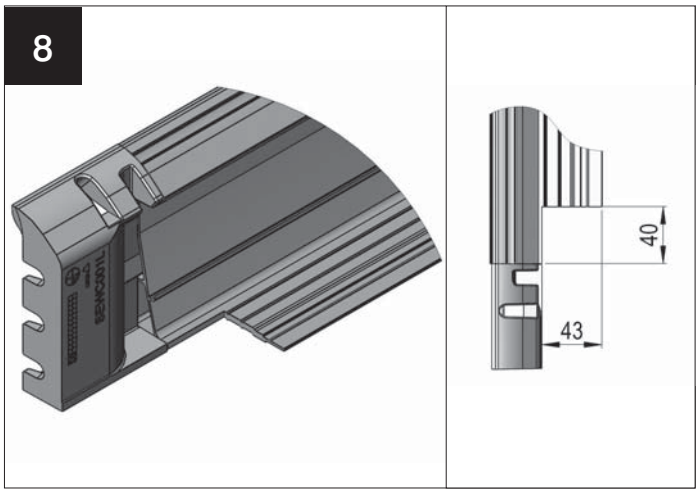
EAVES PREPS FOR CONCEALED DOWNPIPE

7



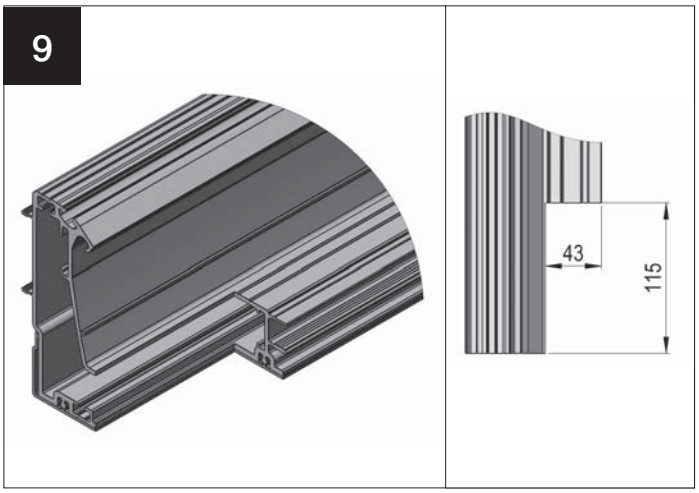
Standard eaves beam

8



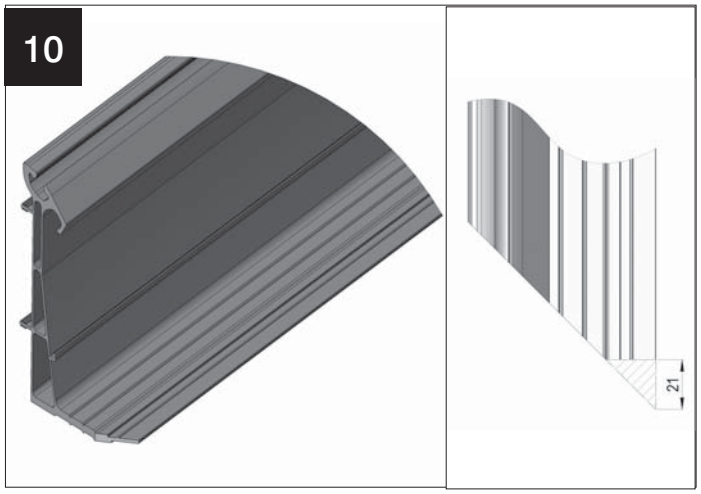
Standard eaves when used with tie bar replacement kit eaves structural moulding (SEWC)

9



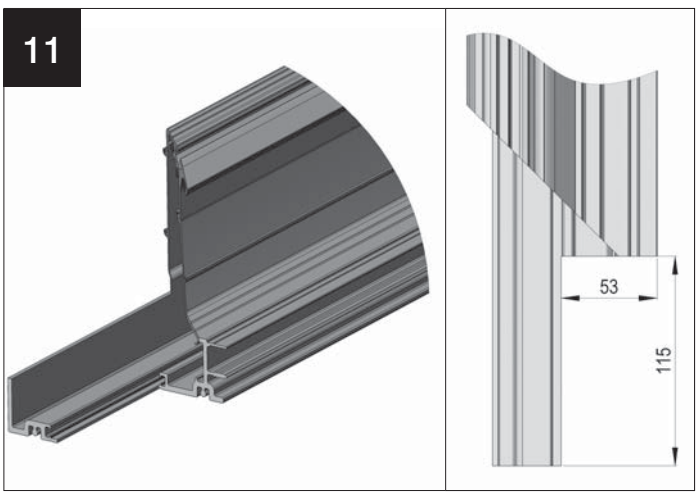
Super Duty eaves beam

10



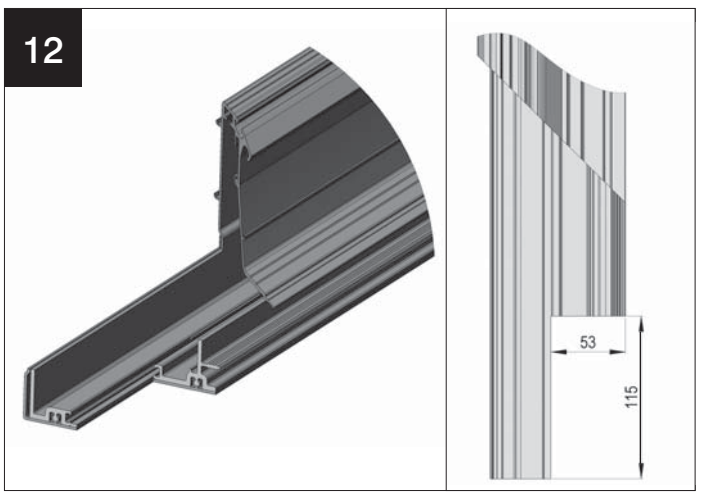
Standard eaves adjoining 165 boxgutter

11



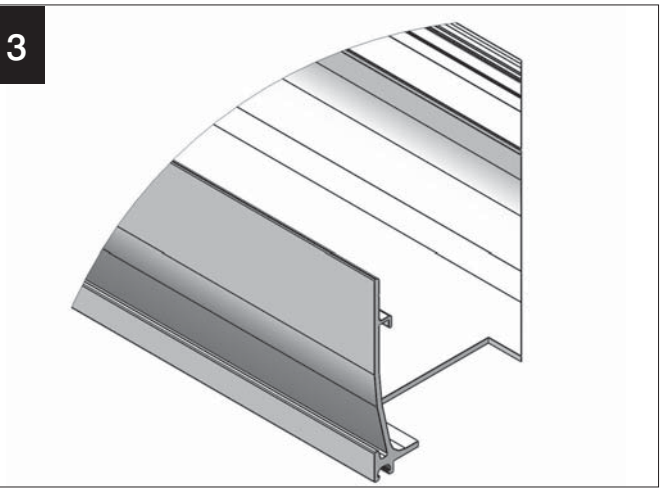
Super Duty eaves adjoining 165 boxgutter

12



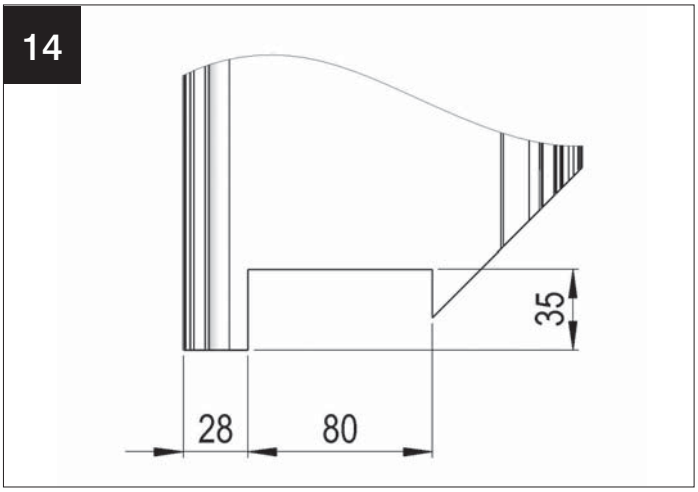
BOXGUTTER PREPS FOR CONCEALED DOWNPIPE

13

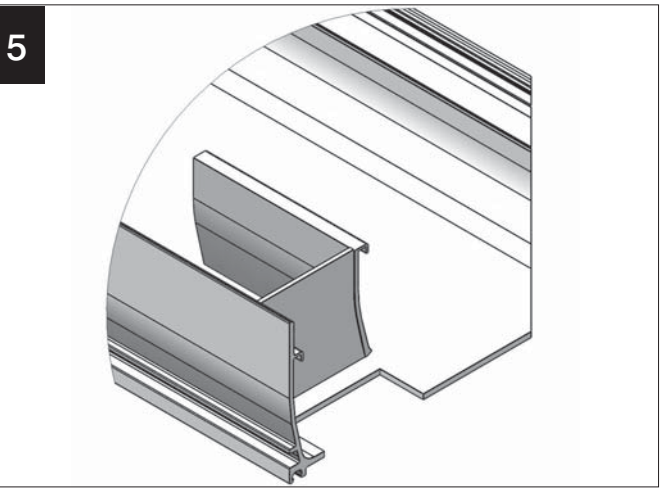


165 Boxgutter

14

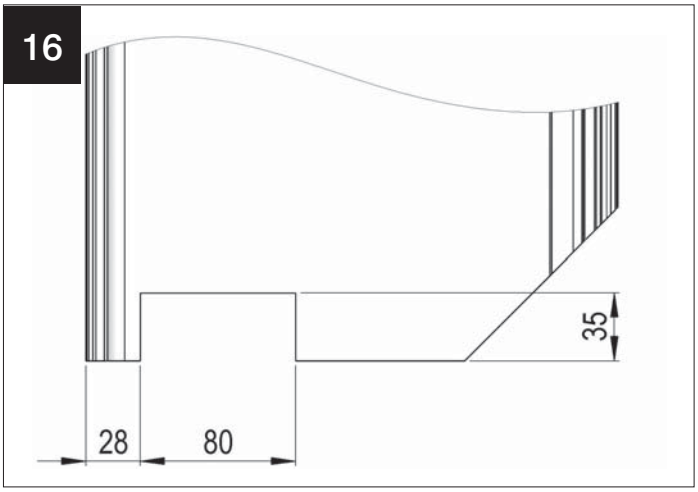


15

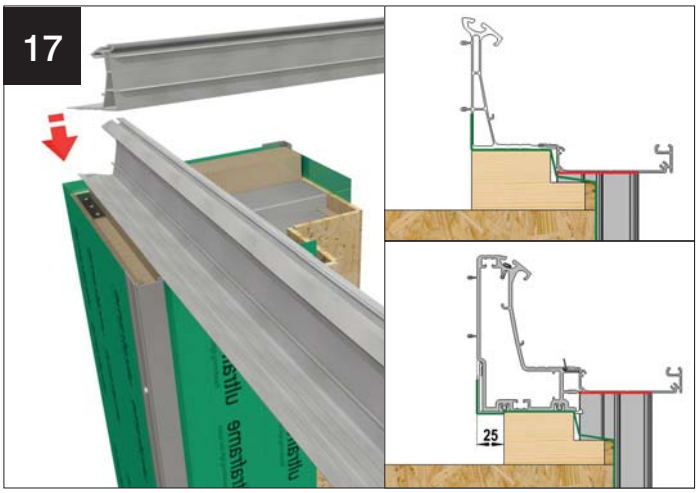


265 Boxgutter

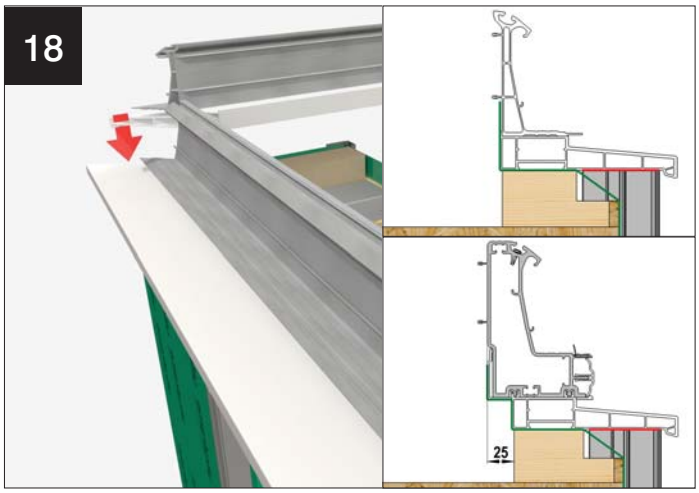
16



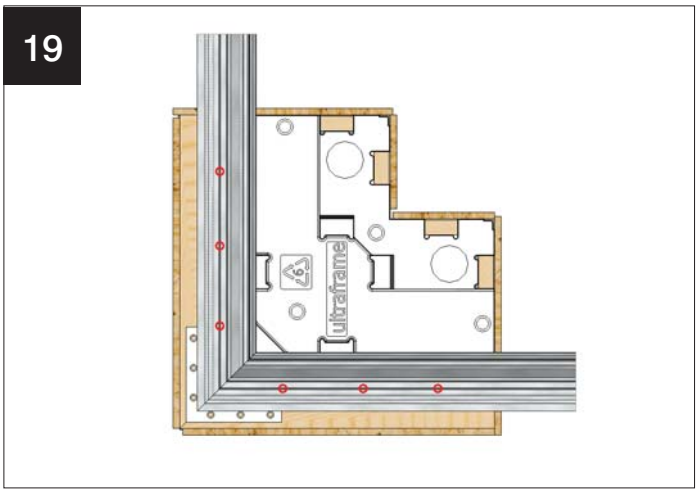
COLUMN INSTALLATION (EAVES)



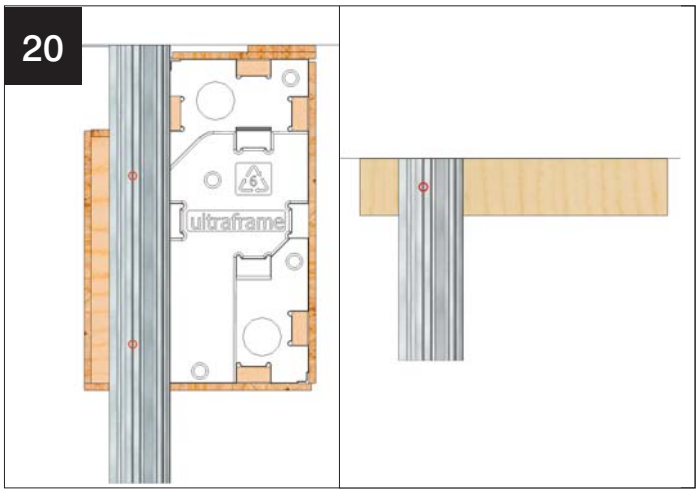
OPEN PACKS MARKED 'C'. Fit eaves beam to columns.
NOTE: BACK OF EAVES BEAM LINES UP WITH BACK OF TIMBER UPSTAND. SUPER DUTY EAVES IS SET 25MM IN BOARD FROM BACK OF TIMBER UPSTAND.



If no Cornice, fit cill to eaves and then fit both to columns.
NOTE: IF A CONCEALED RWP IS SPECIFIED THE EAVES BEAM AND BOX GUTTER WILL REQUIRE AN END PREP. SEE PAGES 20 - 21 FOR DETAILS.



Fix eaves beam down to columns in the positions shown above using suitable 5.0 x 50 screws. (Not supplied)



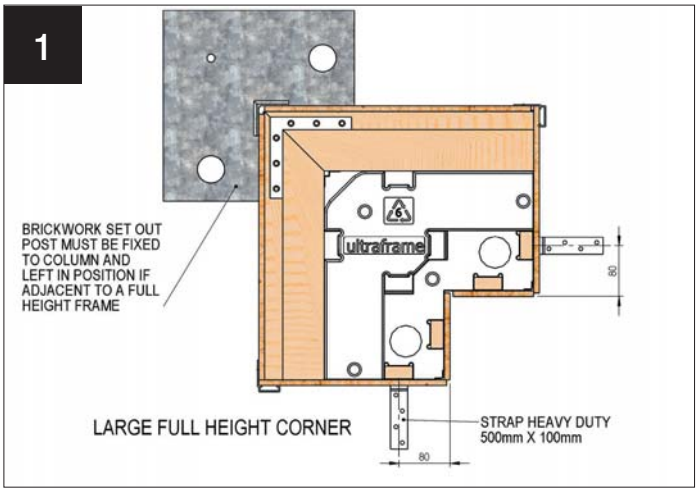
If abutments are specified fix eaves down to abutment column using 2 screws as shown. If however no abutment is specified a single temporary fix is required in the timber batten attached to wall earlier using a 5.0 x 50 screw. (Not supplied)

Check columns are vertically plumb. Pack under each column if necessary.

Check that eaves beam is square and level. Re-check all dimensions, width, projection and diagonals.

COLUMN STRAPS (FULL HEIGHT)

1



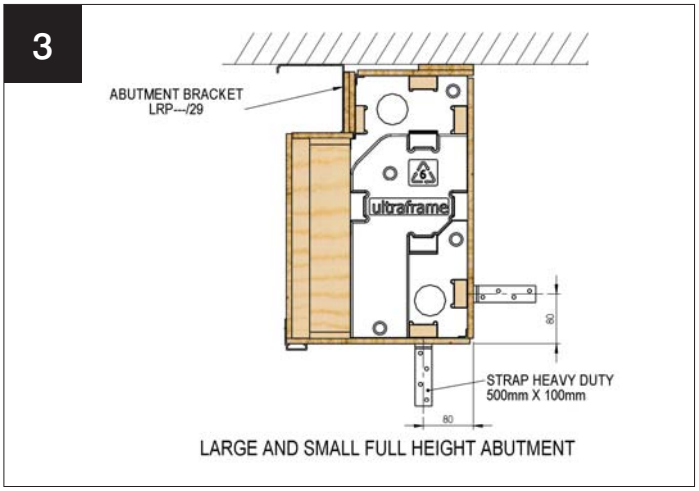
Fix corner columns to basework with fixing straps as shown, using appropriate fixing (min 2 into floor) per strap. Please ensure strap is set out as above, 80mm back from corner to line up with reinforcing batten.

NOTE: IF FIXING TO FINISHED FLOOR LEVEL, STRAPS MAY NEED TO BE SET INTO FLOOR.

2

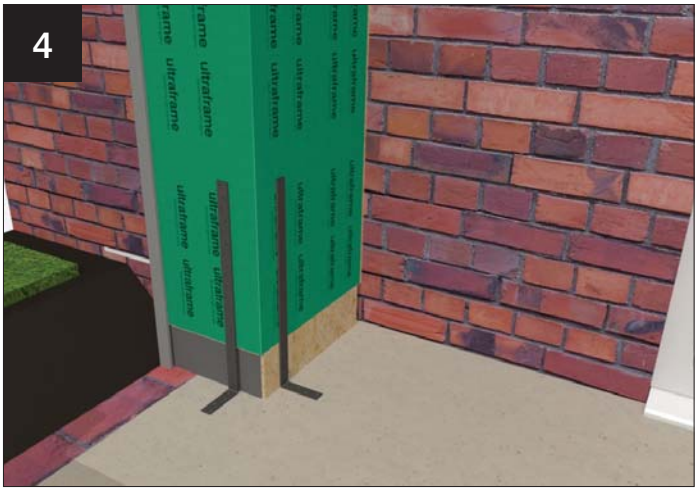
NOTE: ALL STRAPS FIT TO COLUMNS USING SUITABLE FIXINGS (4 INTO TIMBER COLOUMN FOR EACH STRAP)

3



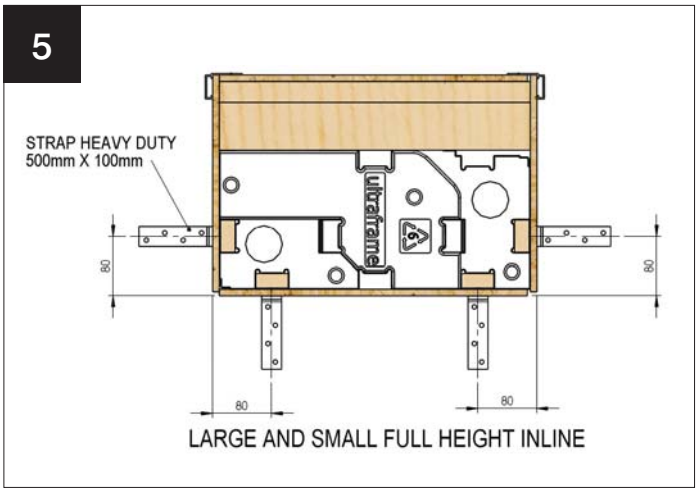
If specified, fix abutment columns to basework with fixing straps as shown

4



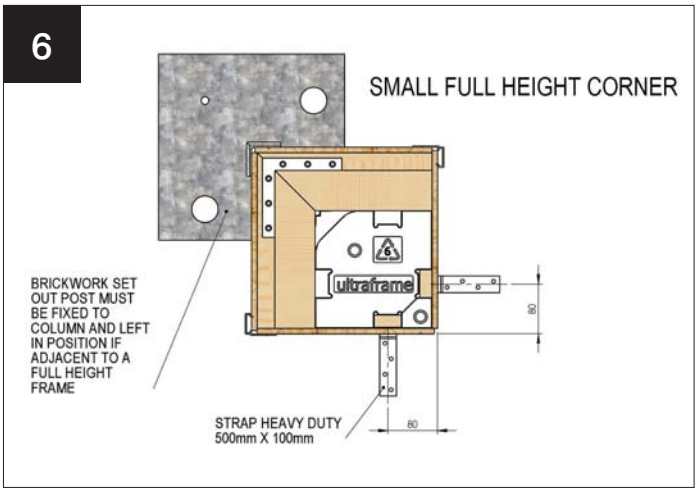
Abutment column fixing straps

5



If specified fix inline columns to basework with fixing straps as shown

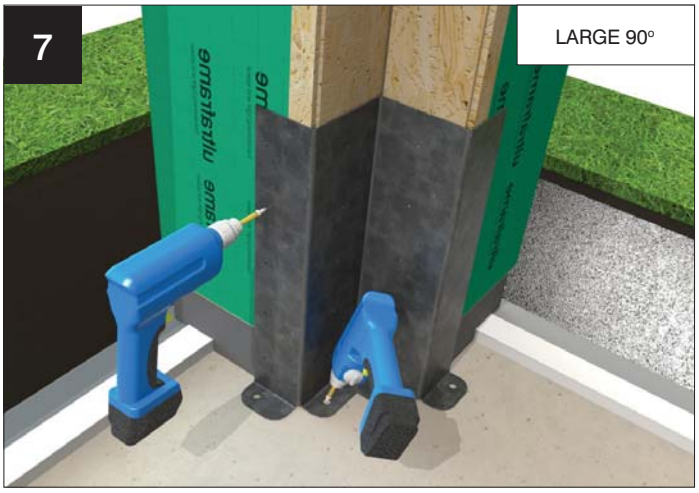
6



Small corner column fixing strap position shown above.

COLUMN STRAPS ON DWARF WALL AND CILL DETAIL

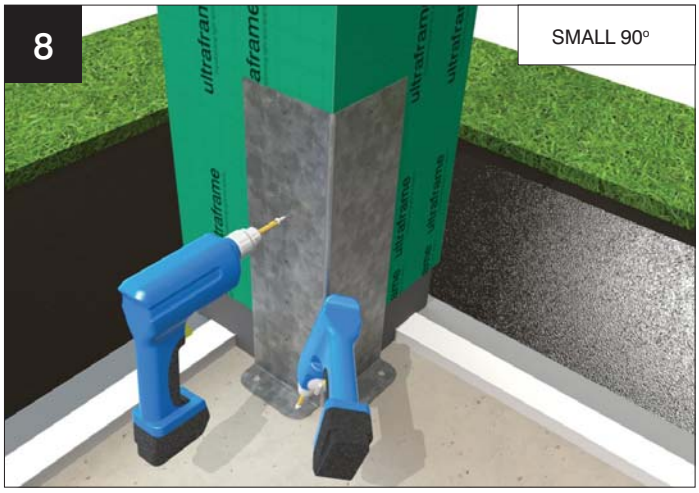
7



LARGE 90°

If using full height columns on a cill, remove set out post and fix internal support shoe. Large 90° column using 20 No. 5.0 x 50mm ss screws and down to floor using 4No M8 x 80mm bolts supplied. NOTE: IF FIXING TO FINISHED FLOOR LEVEL, SUPPORT SHOE MAY NEED TO BE SET INTO FLOOR.

8

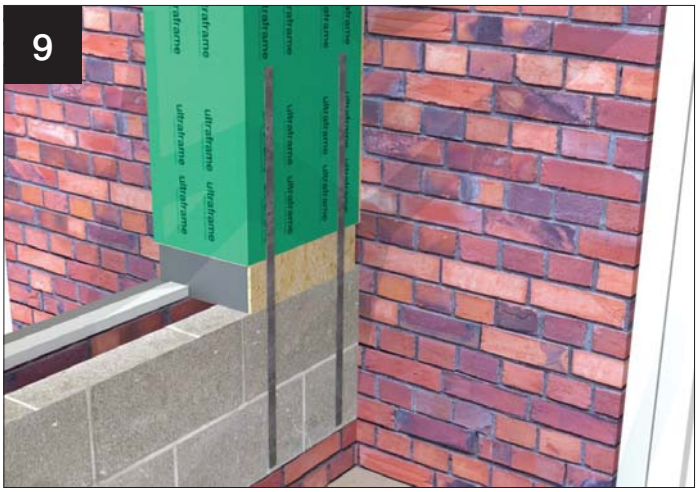


SMALL 90°

If using full height columns on a cill, remove set out post and fix internal support shoe. Small 90° column shown. Fix to column using 10 No. 5.0 x 50mm ss screws and down to floor using 4No M8 x 80mm bolts supplied.

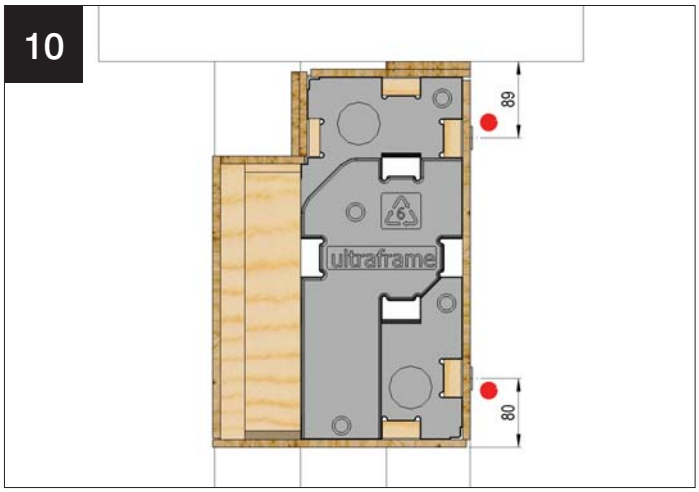
STRAP POSITIONS ON WALL

9



ABUTMENT
Fasten straps down inside of wall of abutment column

10



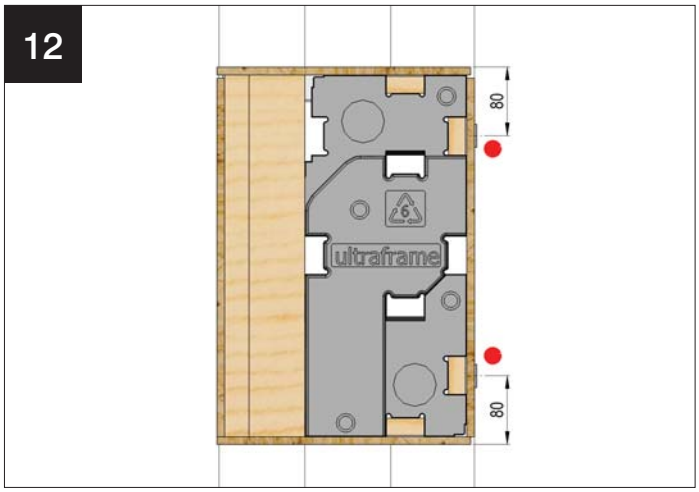
Position straps as shown on abutment column. NOTE: ALL STRAPS FIXED TO COLUMNS USING ANCHORS SUITABLE FOR SUBSTRATE (MIN OF 8 PER STRAP - 4 INTO COLUMN AND 4 INTO WALL)

● = STRAP POSITIONS

11

INLINE
Fasten straps down inside of wall of inline column. Use suitable fixing.

12

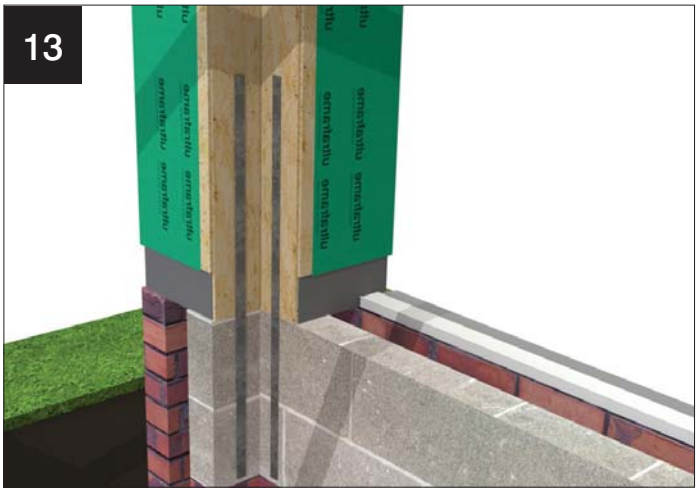


Position straps as shown on inline column. Use anchors suitable for substrate, minimum of 8 per strap - 4 into coloumn and 4 into wall.

● = STRAP POSITIONS

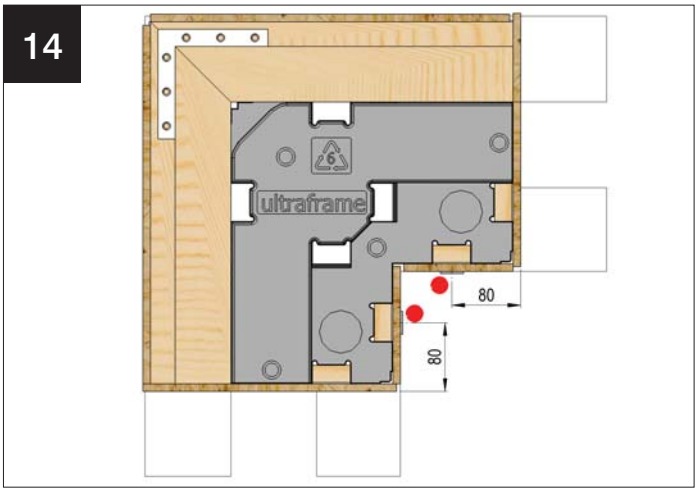
COLUMN STRAPS ON DWARF WALL

13



LARGE 90° CORNER
Fasten straps down inside of walls of large 90° corner column

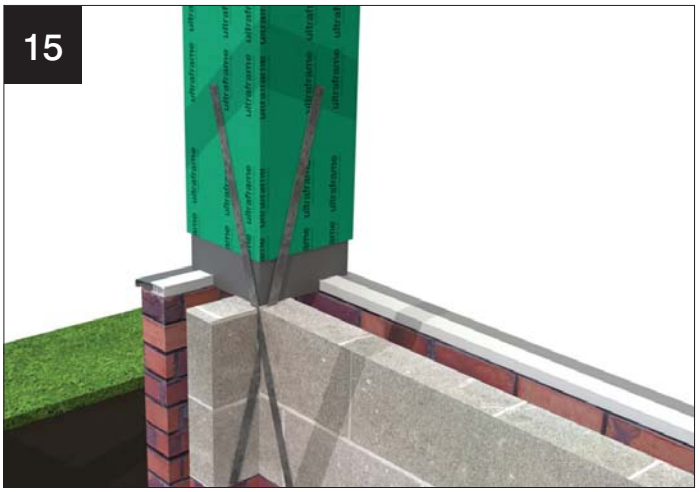
14



Position straps as shown on large 90° corner column. NOTE: ALL STRAPS FIXED TO COLUMNS USING ANCHORS SUITABLE FOR SUBSTRATE (MIN OF 8 PER STRAP - 4 INTO COLUMN AND 4 INTO WALL)

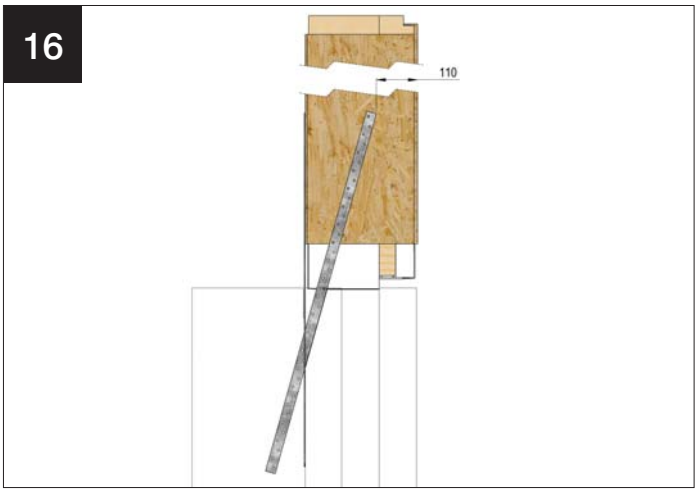
● = STRAP POSITIONS

15



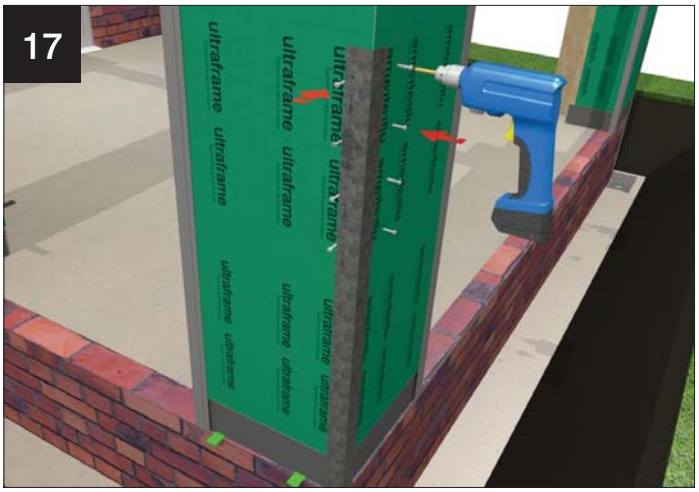
SMALL 90° CORNER
Fasten straps down inside of walls of small 90° corner column. Internal brickwork will require grinding to create relief for straps to cross over. Fixing requirements as step 14.

16



FOR 70mm WINDOW FRAMES: Straps should not be closer than 110mm from outside face of column. NOTE: THIS WILL INCREASE IF USING LARGER THAN 70MM WINDOW FRAMES.

17



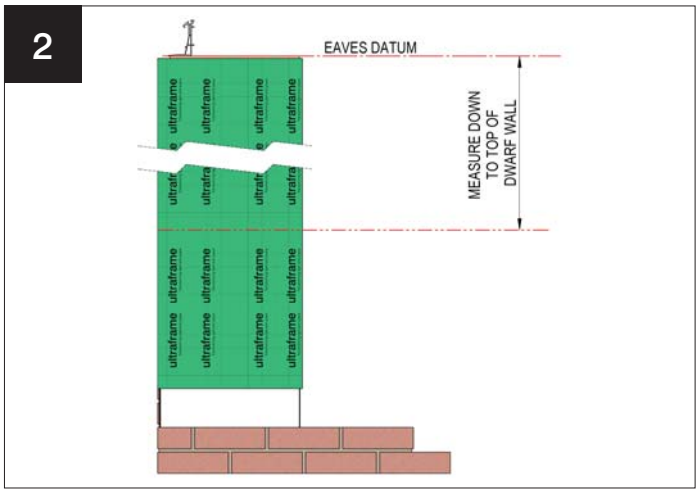
If set out post is still present, screw the post to the column using the supplied screws through the holes in the post. (5.0 x 50mm ss screws)

18

If an abutment is specified, permanently fix the column to the wall bracket using the screws supplied as shown (4.8 x 25mm pozi pan head self tap screw).

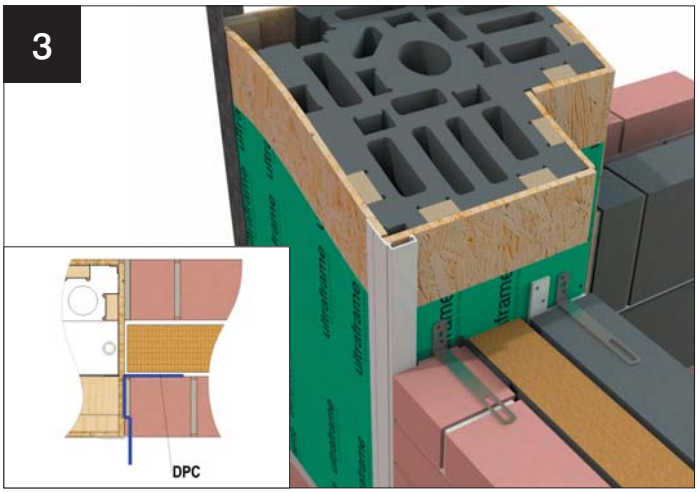
DWARF WALL SET OUT

Fit eaves beam to columns. Fit roof skeleton



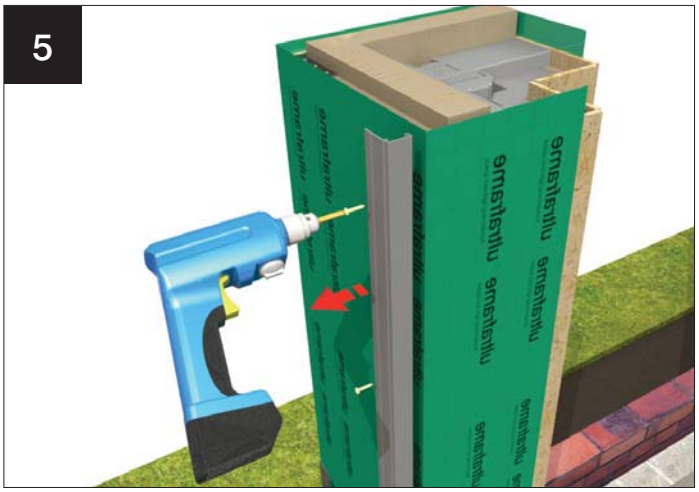
If buildng dwarf walls, measure down from underside of eaves and mark column to set datum for dwarf wall height. This ensures that window opening is correct. FITTERS TIP: FASTEN STRINGLINE BETWEEN COLUMNS

BUILDING THE DWARF WALL BETWEEN FULL HEIGHT COLUMNS

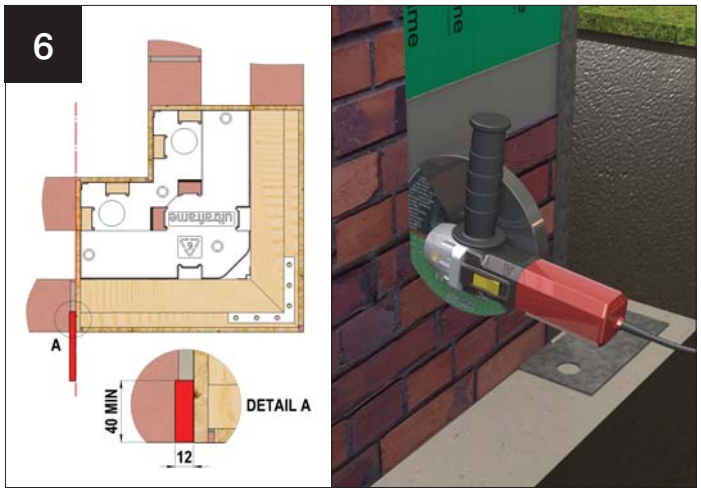


Fasten brick ties into column as courses of brick are built. Ensure that DPC is inserted as shown. NOTE: COLUMN TO BRICKWORK TIES SET AT MAX 300MM CENTRES ON BOTH INTERNAL AND EXTERNAL LEAF, MIN 2 NO. REQUIRED.

Complete brick courses up to mark or stringline.

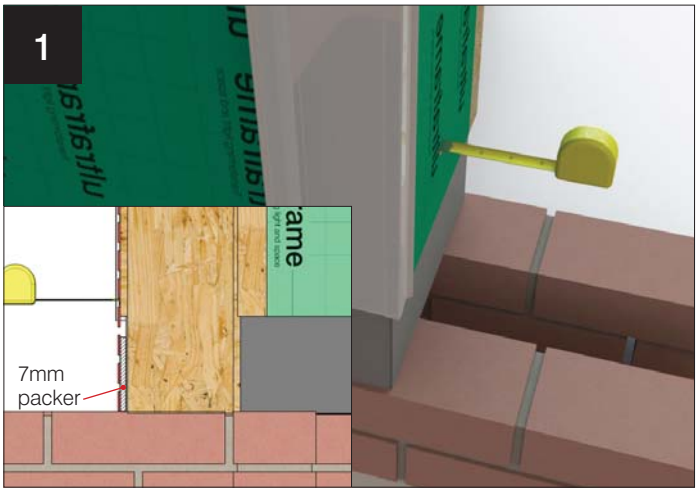


Remove brick set out spacer

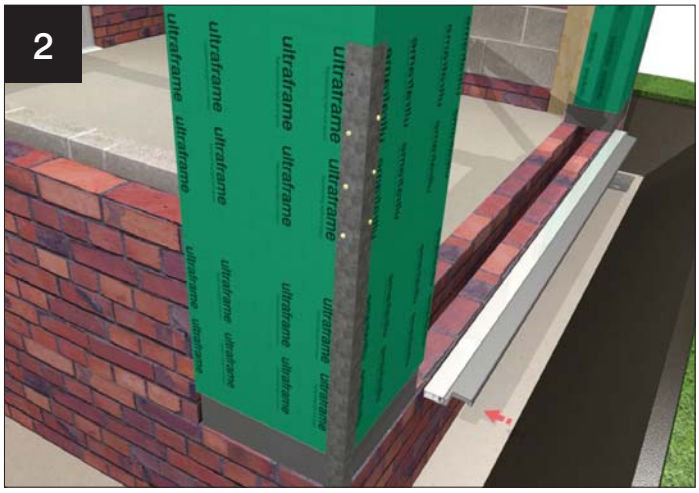


If using full height claddings, mark and grind out brickwork in line with edge of column below DPC level to desired height to suit ground conditions. Slot in brickwork should be a minimum of 40mm deep x 12mm wide and be inline with the edge of the column as shown.

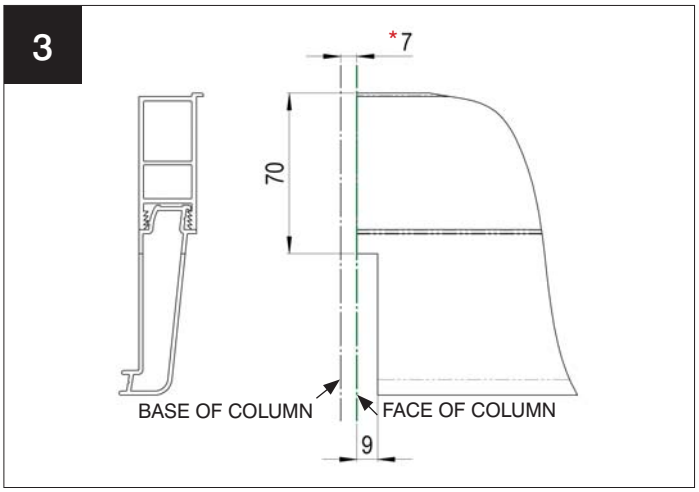
WINDOW CILL PREPARATION



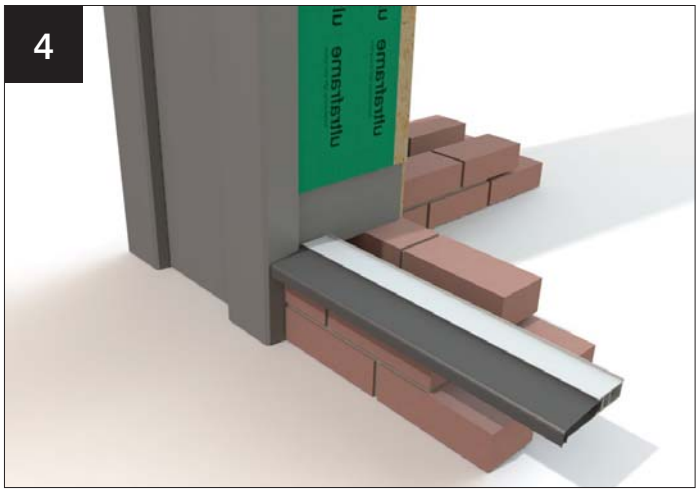
OPEN PACKS MARKED 'D' (CILL)
Measure between columns for cill. ENSURE THE MEASUREMENT IS TAKEN FROM UPPER MEMBRANE COVERED FACE OF COLUMN. IF CILL IS AT FOOT OF COLUMN, A 7MM PACKER IS REQUIRED BETWEEN CILL AND COLUMN BASE (SHOWN IN DIAGRAM ABOVE).



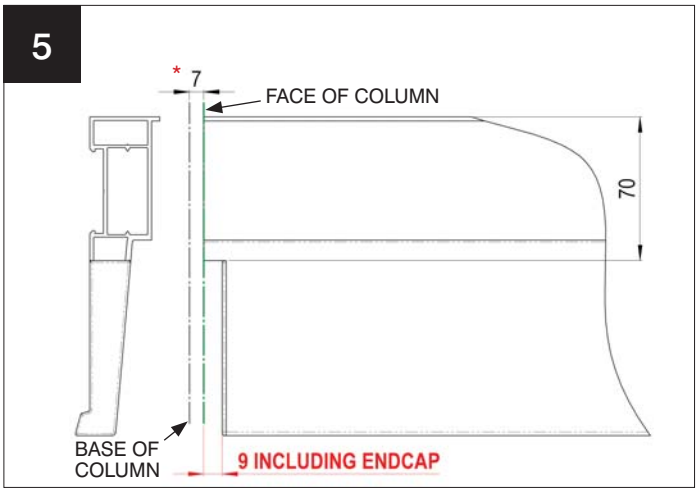
Fit Cill after prepping to fit appropriate situation.



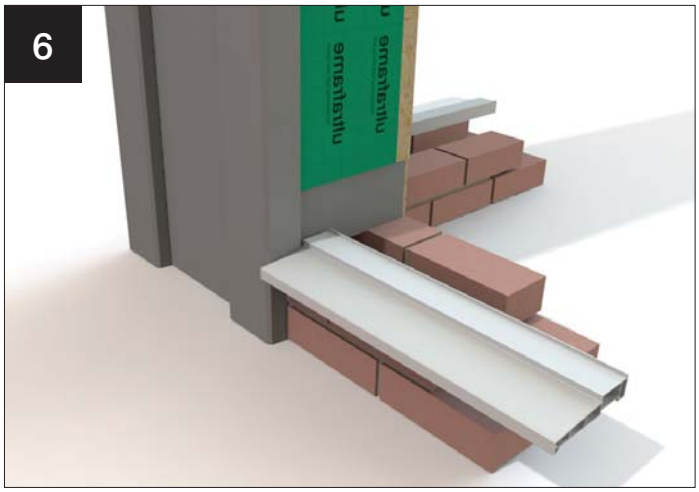
Cill to cladding prep. **130mm cill.**
7MM PACKER AT BASE, SEE FIG ABOVE



This is the detail you will create on the 130 mm cill.



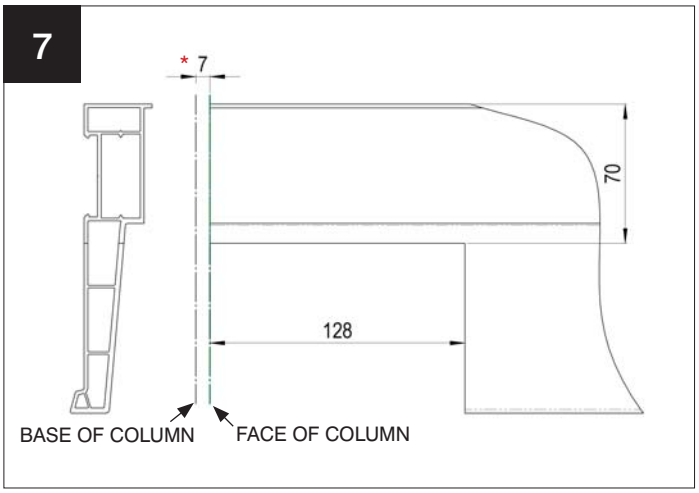
Cill to cladding prep. **150mm cill**
7MM PACKER AT BASE, SEE FIG ABOVE



This is the detail you will create using the 150mm cill.

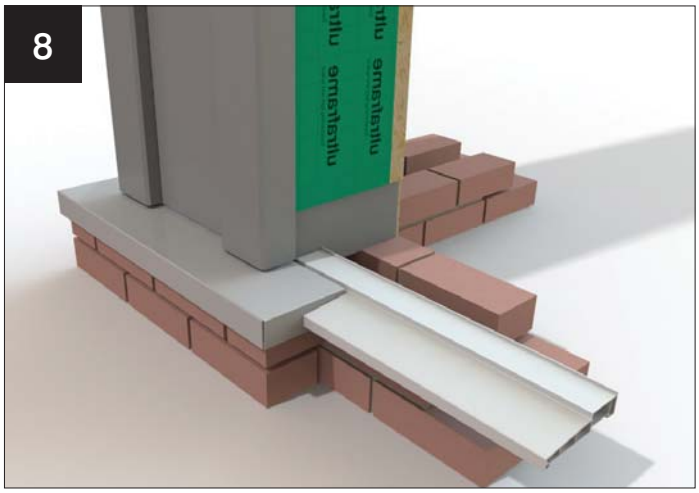
WINDOW CILL PREPARATION

7



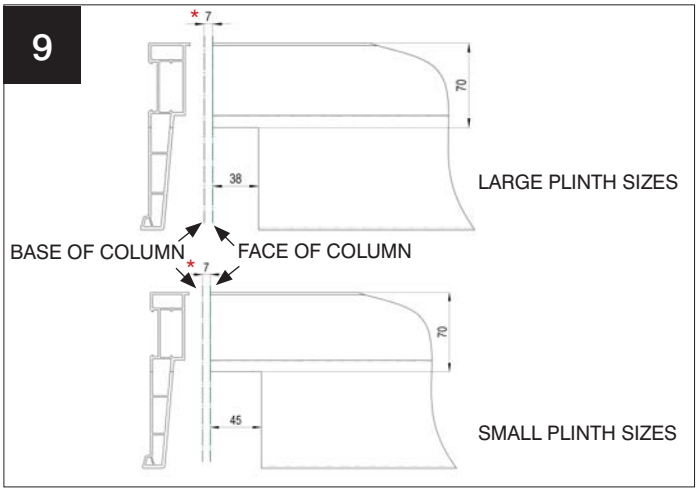
Cill to brick plinth cap prep
7MM PACKER AT BASE, SEE FIG 1 P27

8



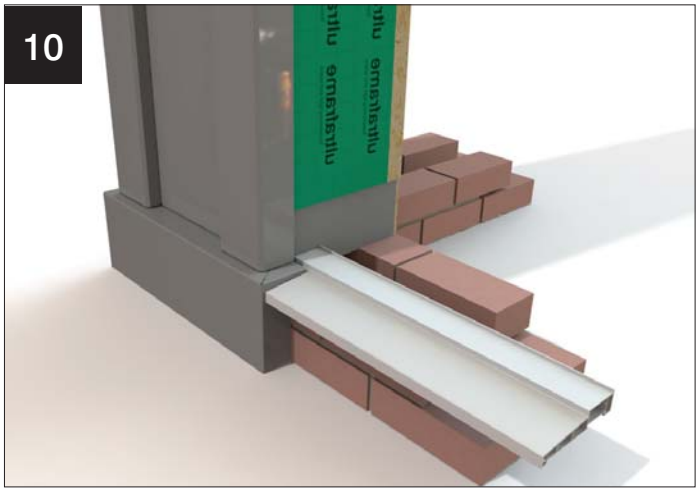
This is the detail you will create.

9



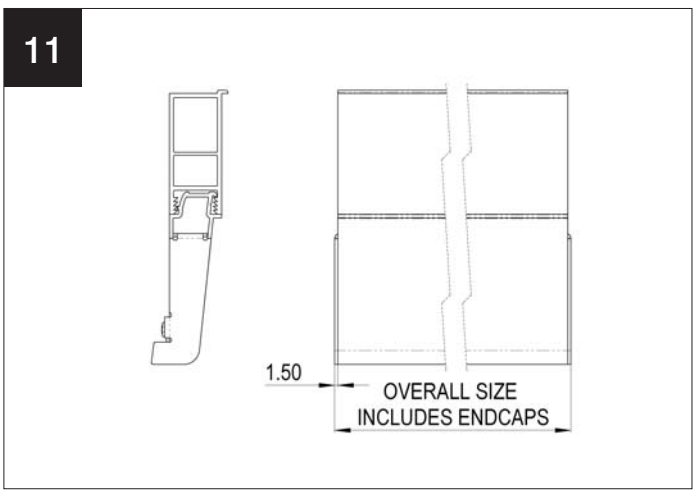
Cill to plinth prep
*7MM PACKER AT BASE, SEE FIG 1 P27

10



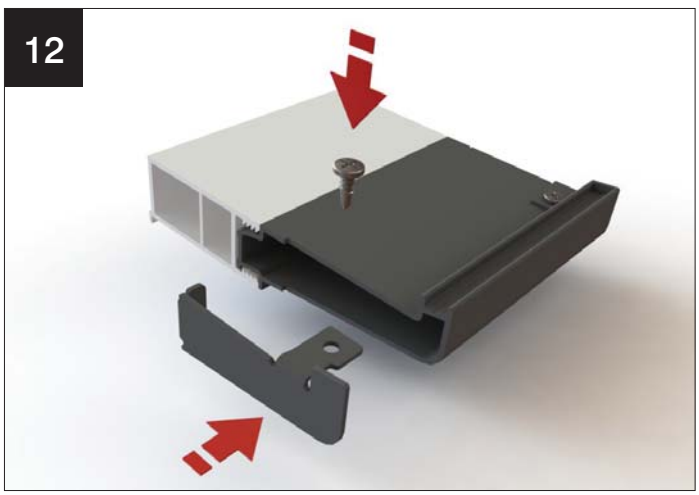
This is the detail you will create.

11



If using 130mm cill between brickwork under doors, overall size should include cill endcaps (1.5mm per endcap)

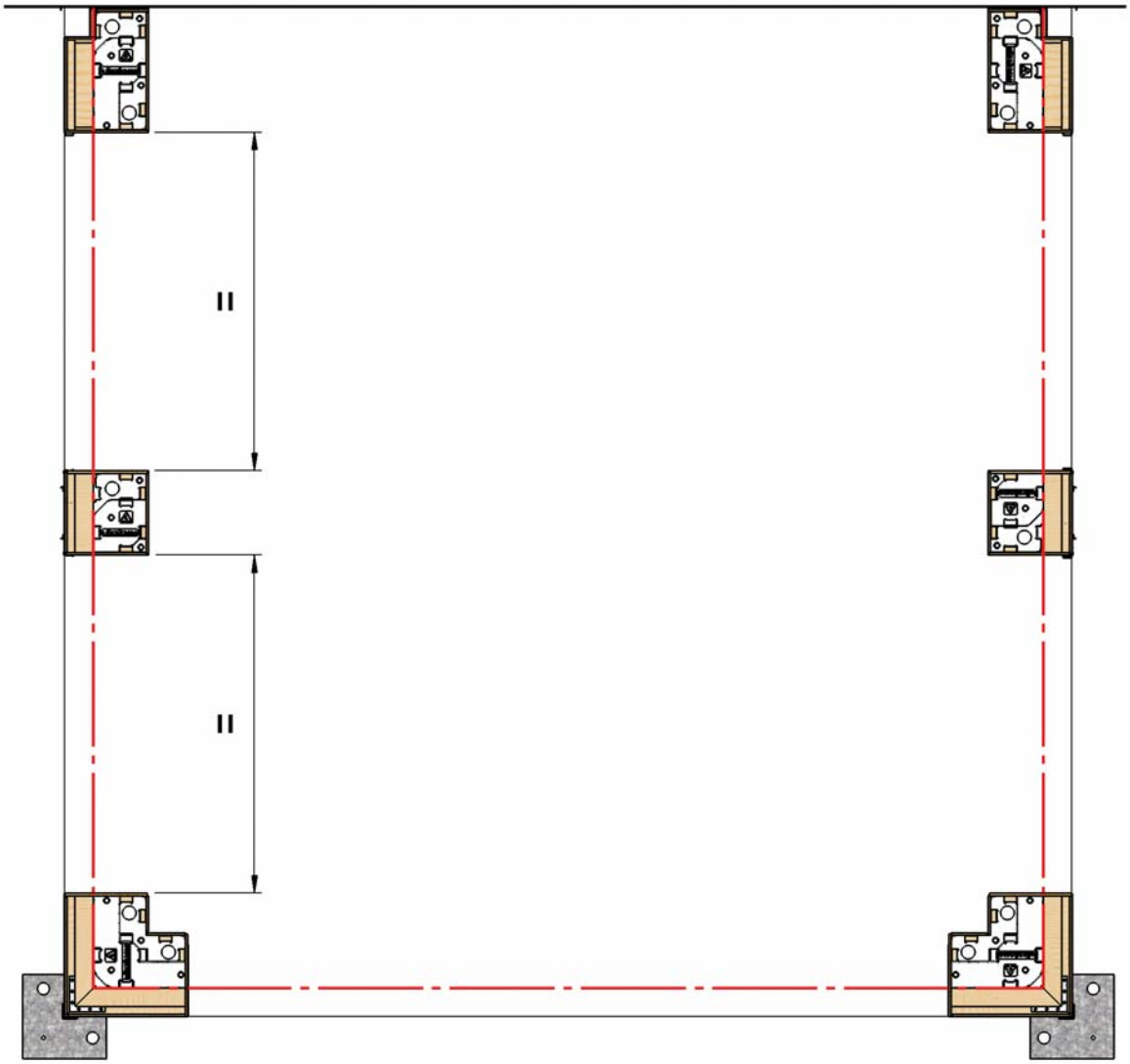
12



Attach endcaps as shown using self drill screws supplied

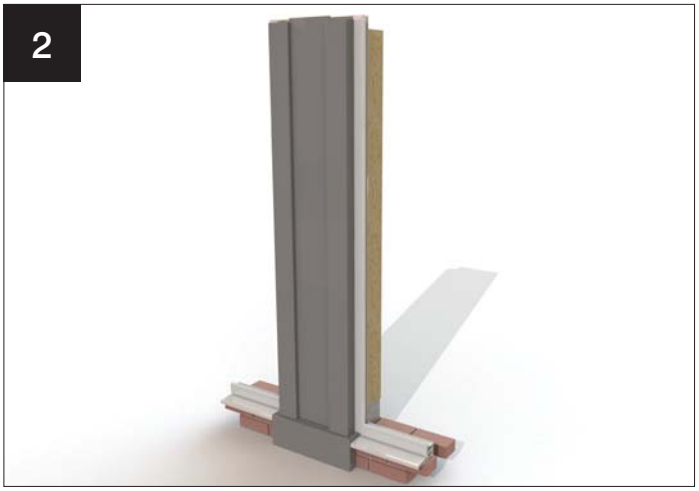
EQUALISE INLINE COLUMNS

1



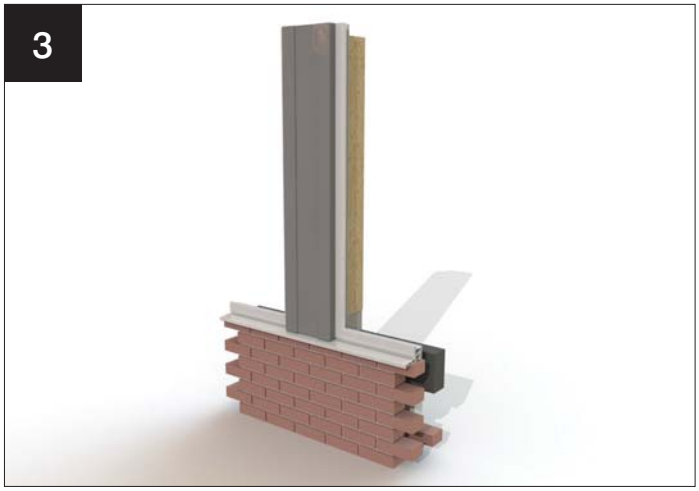
Measure between cills and equalise distance to determine the position of the inline column

2



Full height inline columns

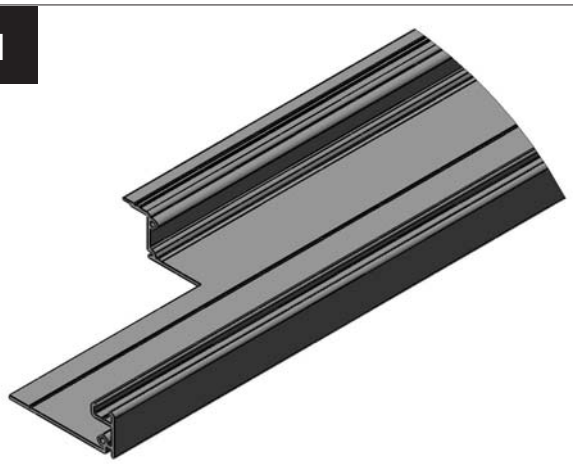
3



Inline column on dwarf wall and cill.

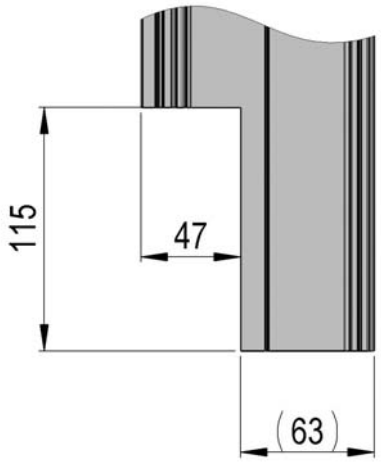
CORNICE PREP DETAILS FOR CONCEALED DOWNPIPE

1



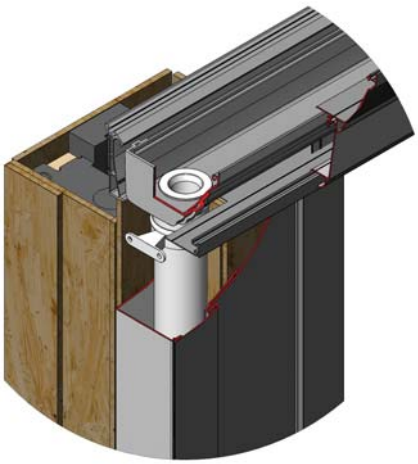
OPEN PACKS MARKED 'F'
When using a concealed downpipe with Cornice, CRN/1 requires cutting as shown for all situations

2



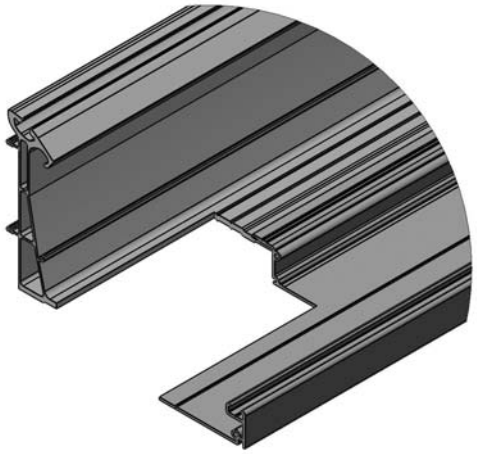
CRN/1 prep detail

3



Cornice shown in situ with concealed downpipe

4



Standard eaves prep

5

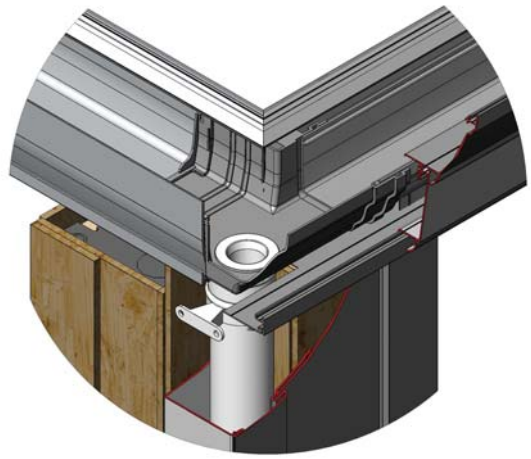
Standard eaves with structural moulding as used on the Tie Bar Replacement Kit.

6

Super Duty eaves prep

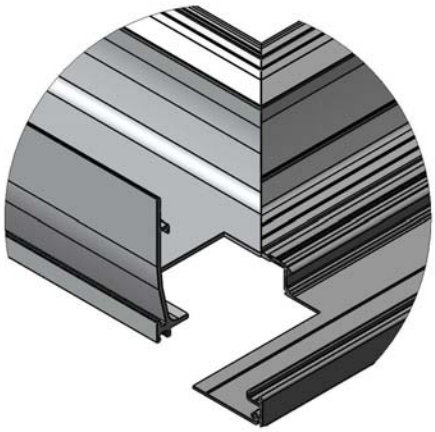
CORNICE AND BOXGUTTER

7



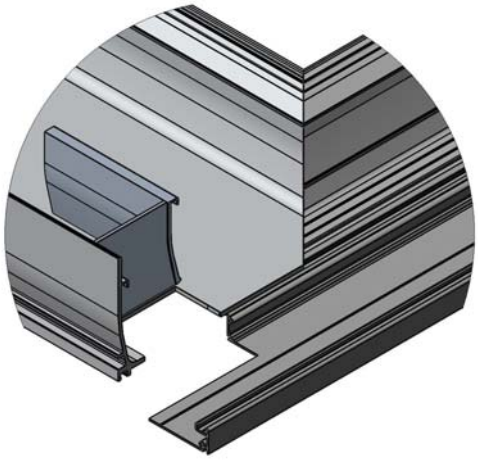
Standard eaves - overall assembly

8



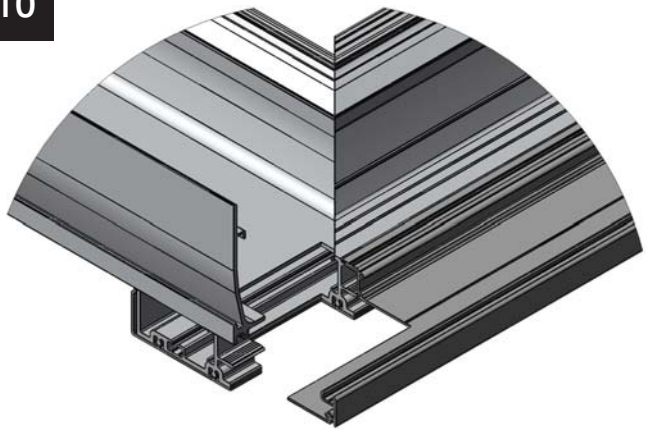
Standard eaves with 165mm boxgutter.

9



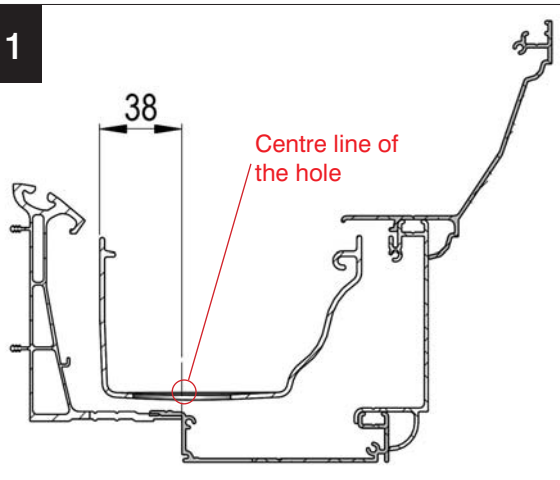
Standard eaves with 265 boxgutter

10



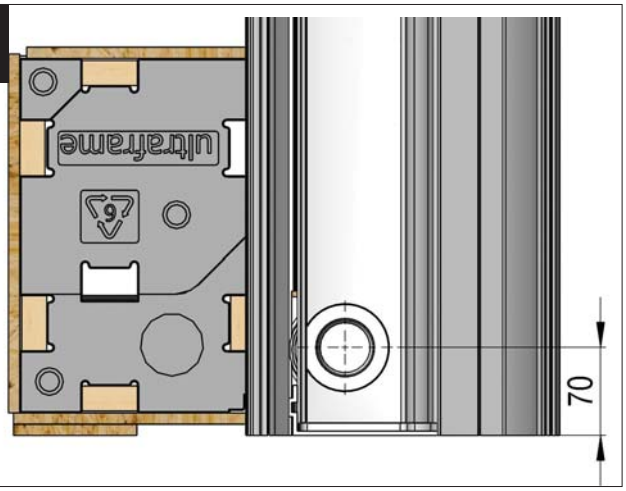
Super Duty eaves with 165 boxgutter

11



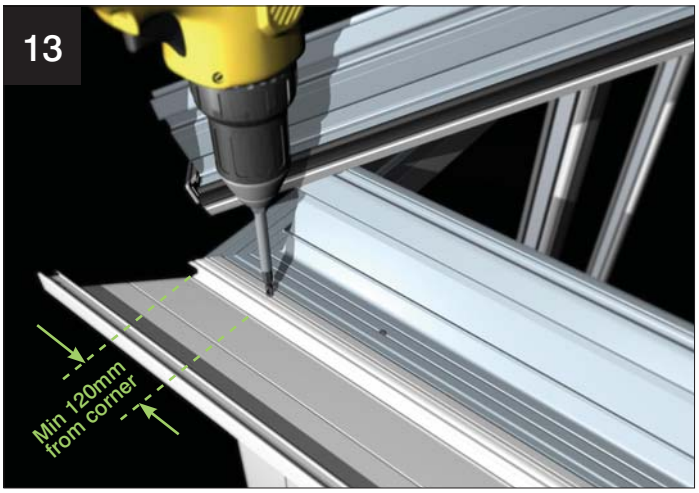
Gutter requires a 45mm diameter hole cut in the position shown above, from the edge of the gutter and 70mm from the host wall as shown in fig 12

12

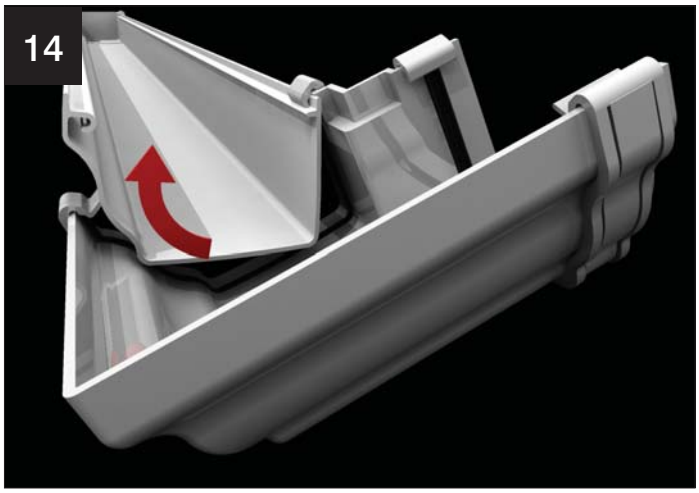


Once the hole has been cut, fit and seal gutter outlet (MGO001)

FIT GUTTERING AND MARKED CORNICE

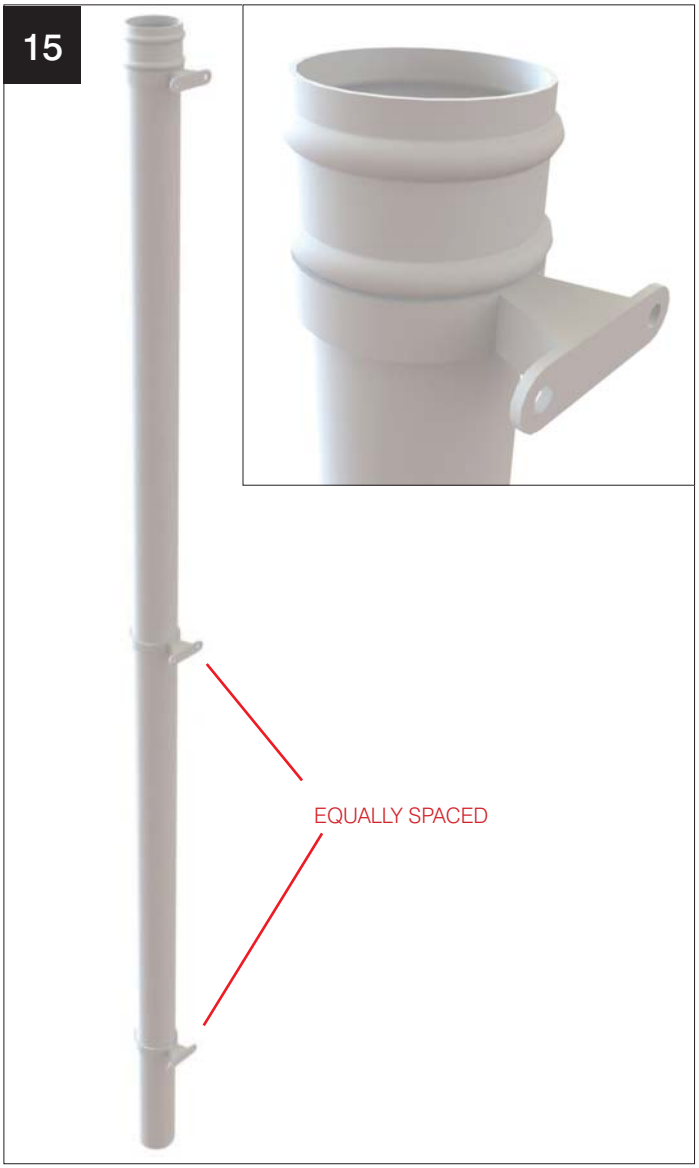


Fit CRN/1 as shown in the Classic Roof Installation Guide. If concealed rainwater downpipe is specified, prep required (see pages 30 - 31)

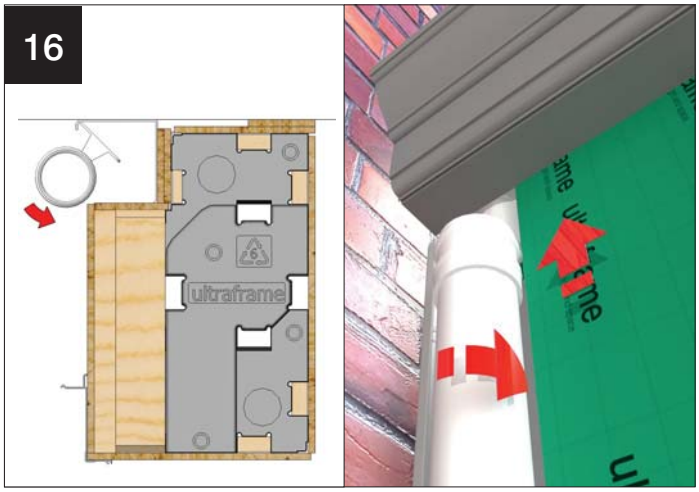


Fit guttering and Cornice as shown in the Classic Roof Installation Guide.

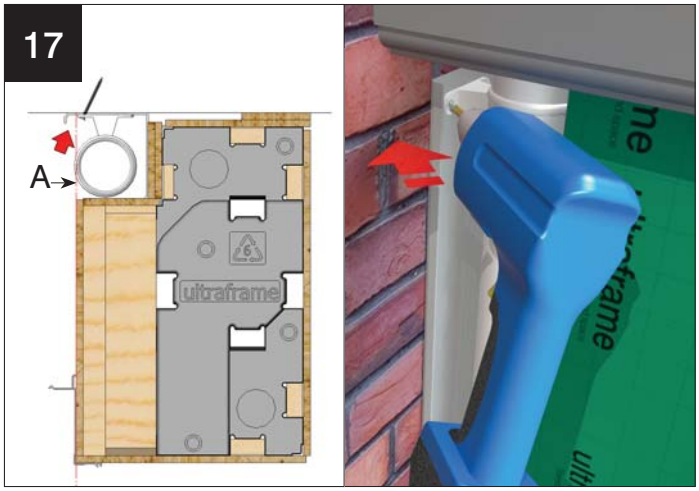
FIT CONCEALED RAINWATER DOWNPIPE (IF SPECIFIED)



Fit brackets supplied with downpipe. Fit below rings on downpipe as shown.

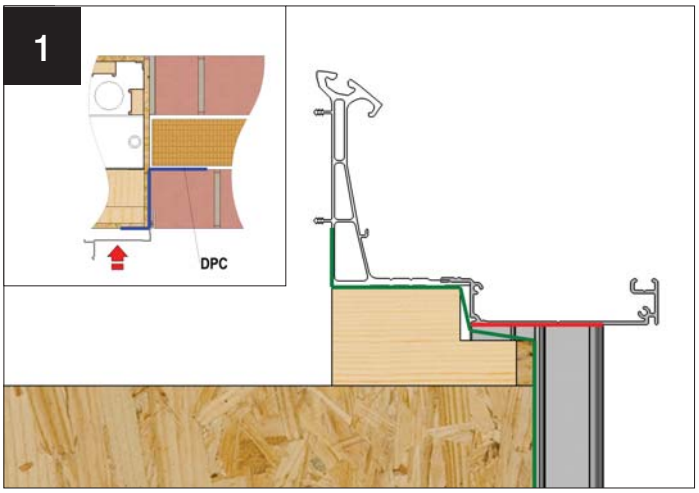


Rotate downpipe with brackets attached into channel between abutment column and host wall. Once located into channel, push up to engage with outlet in gutter. Ensure top bracket is against rings on downpipe before fixing.

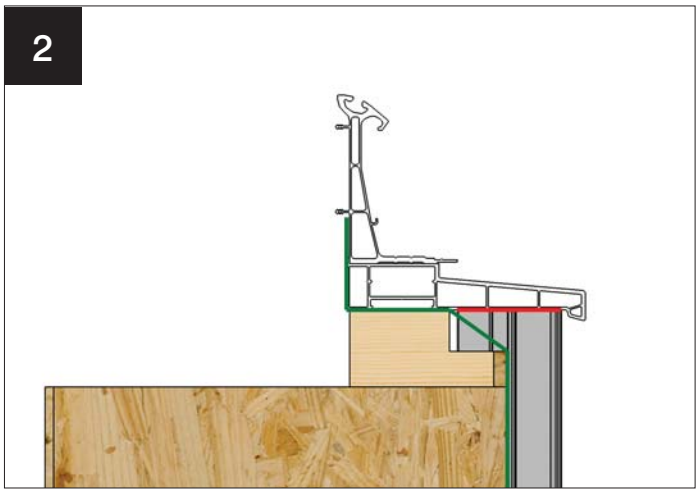


NOTE: ENSURE THE DOWNPIPE AND BRACKET DOES NOT PROTRUDE PAST THE COLUMN AS SHOWN ABOVE (A). Screw brackets to existing wall.

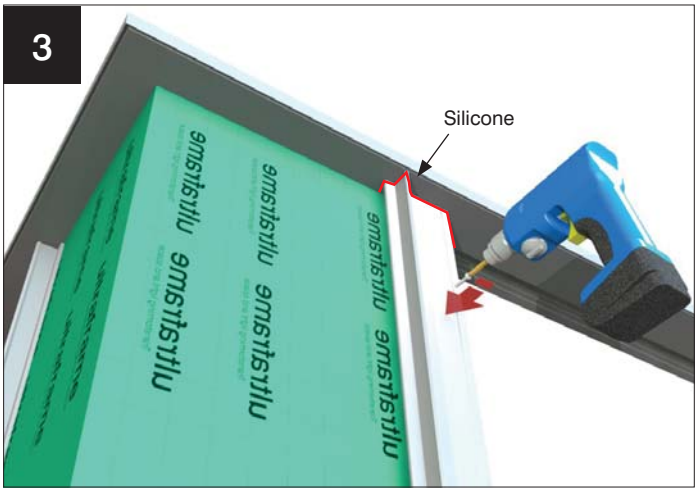
FIT CLADDING CLIPS TO COLUMNS



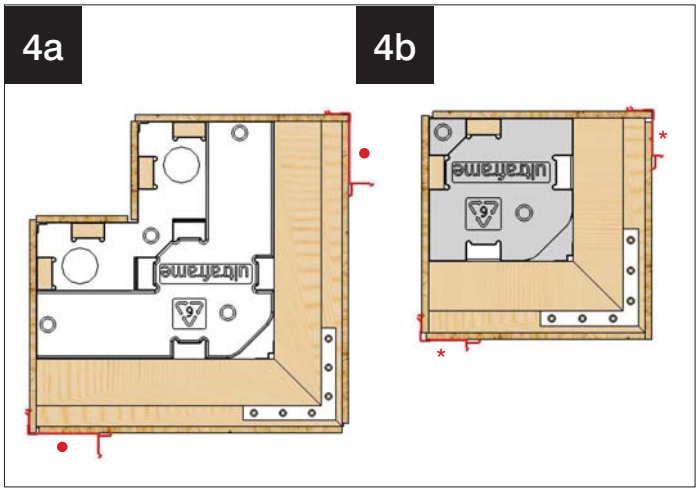
OPEN PACKS MARKED 'E' (Cladding clips) Position the cladding clip up to the bottom section of the Cornice (CRN/1) as shown. If using dwarf walls and vertical dpc is fitted, fold the dpc behind the clip as shown.



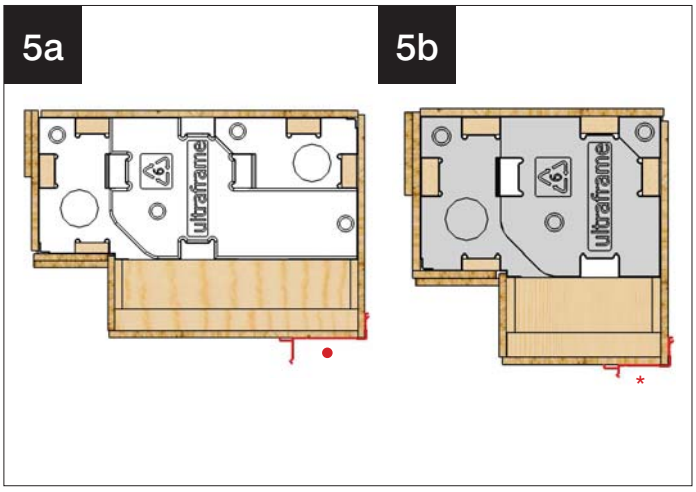
If using a cill section, position the cladding clip up to the bottom side of the cill.



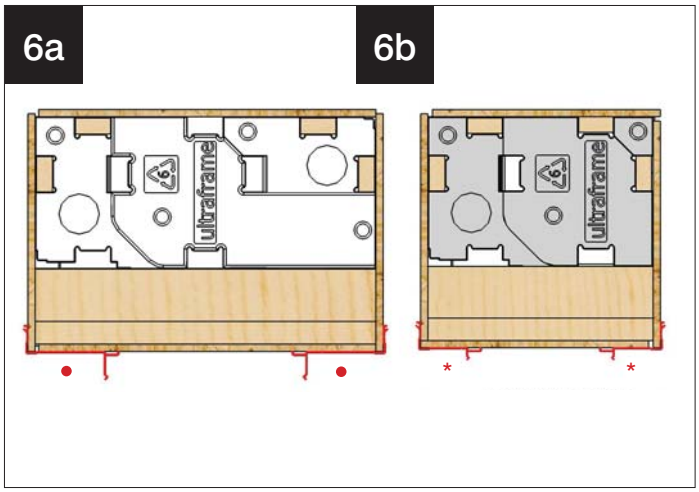
Push and hold the cladding clips in position and screw fix through the holes into the column both front and side using the 4.8 x 25mm pozi pan screws provided, SILICONE SEAL AGAINST THE CRN/1 OR CILL



4a. Large 90° corner column-clip positions ●
4b. Small 90° corner column-clip positions *



5a. Large abutment column-clip positions ●
5b. Small abutment column-clip positions *



6a. Large inline column-clip positions ●
6b. Small inline column-clip positions *

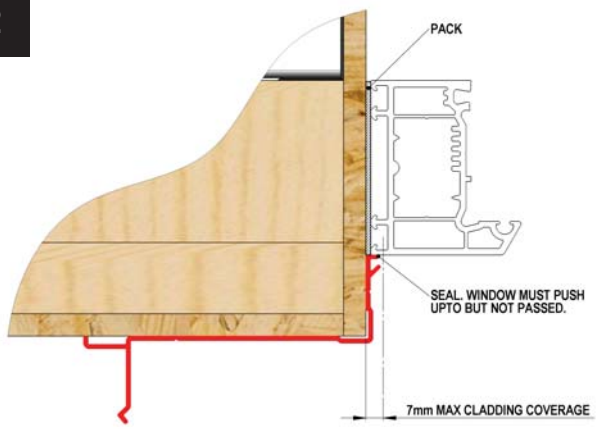
FITTING WINDOWS AND FRAME ADD ONS

1

Fit windows between columns

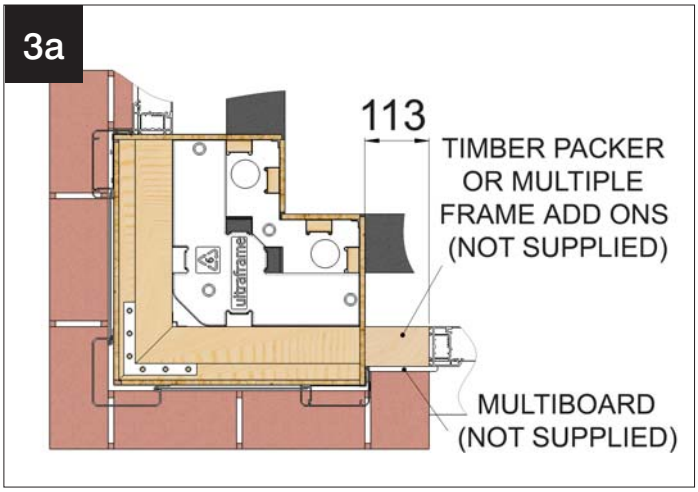
PACKERS AND TRIMS NOT SUPPLIED

2



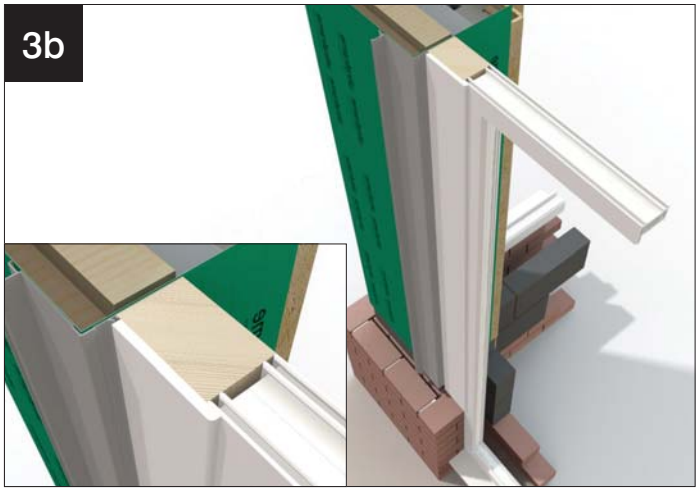
Fit windows against cladding clips as shown. Pack if required and seal against cladding clip. IMPORTANT: CLADDING ALLOWS 7mm COVERAGE

3a



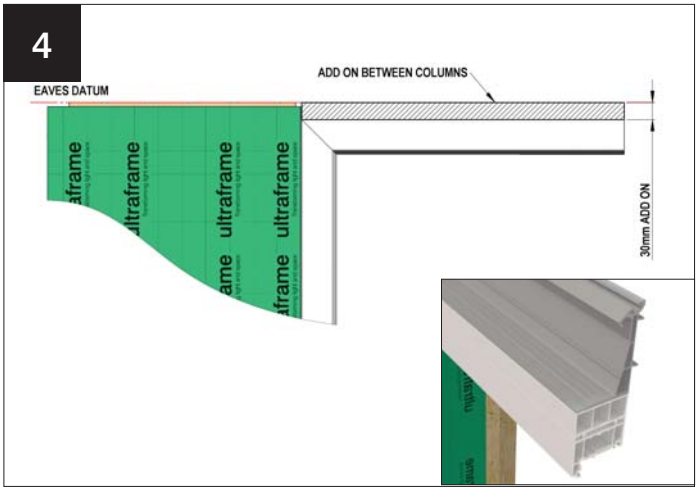
If fitting a door or full height windows against a brick plinth, fit a timber packer (113m x 70mm) between column and frame. This will require cladding with multiboard.

3b



Pack detail shown between column and full height frame or door when using brick plinths.

4

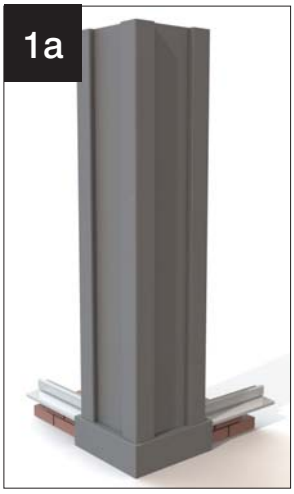


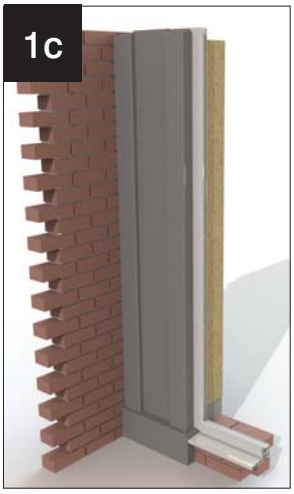
A 30mm (miniumum) add on required if specifying LivinRoom (below fascia) Add on only required between columns. NOTE: DO NOT RUN ADD ONS ONTO OR OVER THE COLUMN

5

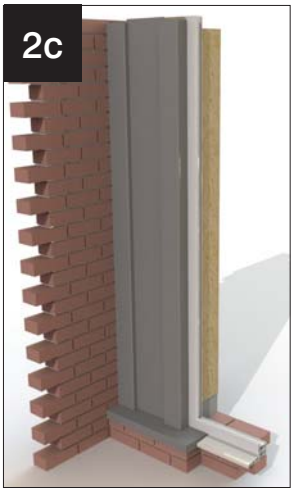
Weatherseal any joints/gaps under column and between windows/doors and columns. Use foam and/or appropriate sealant.

FIT PLINTHS (OVERVIEW ON THIS PAGE, SEE FULL DETAILS ON P36-40)

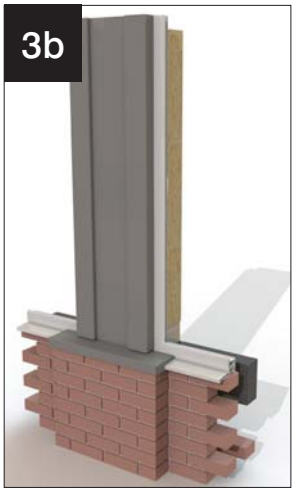


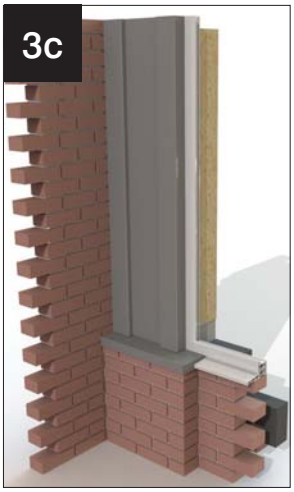


Claddings with column plinth

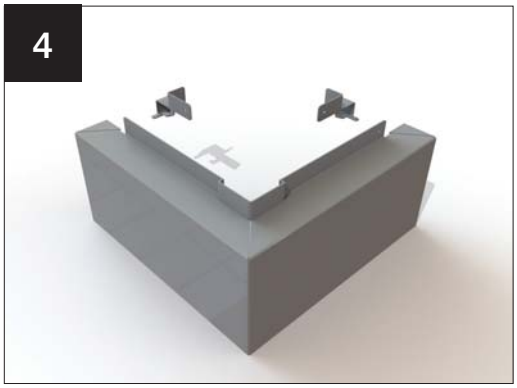


Claddings with masonry plinth cap



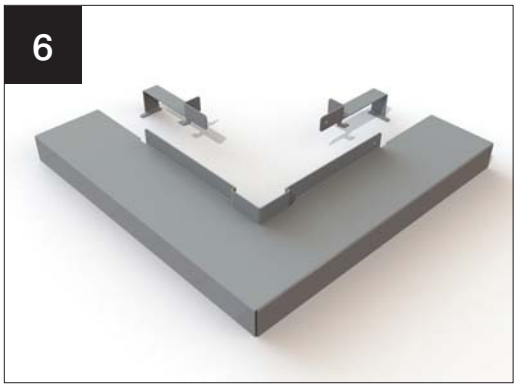


Claddings with masonry plinth cap (on dwarf wall)

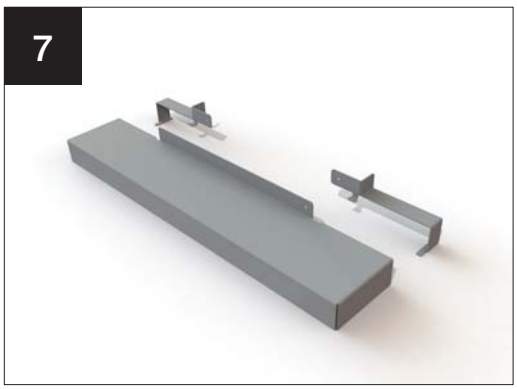


Large and small corner column plinth. Left and right hand end caps illustrated

Large inline column plinth. Left and right hand end caps illustrated



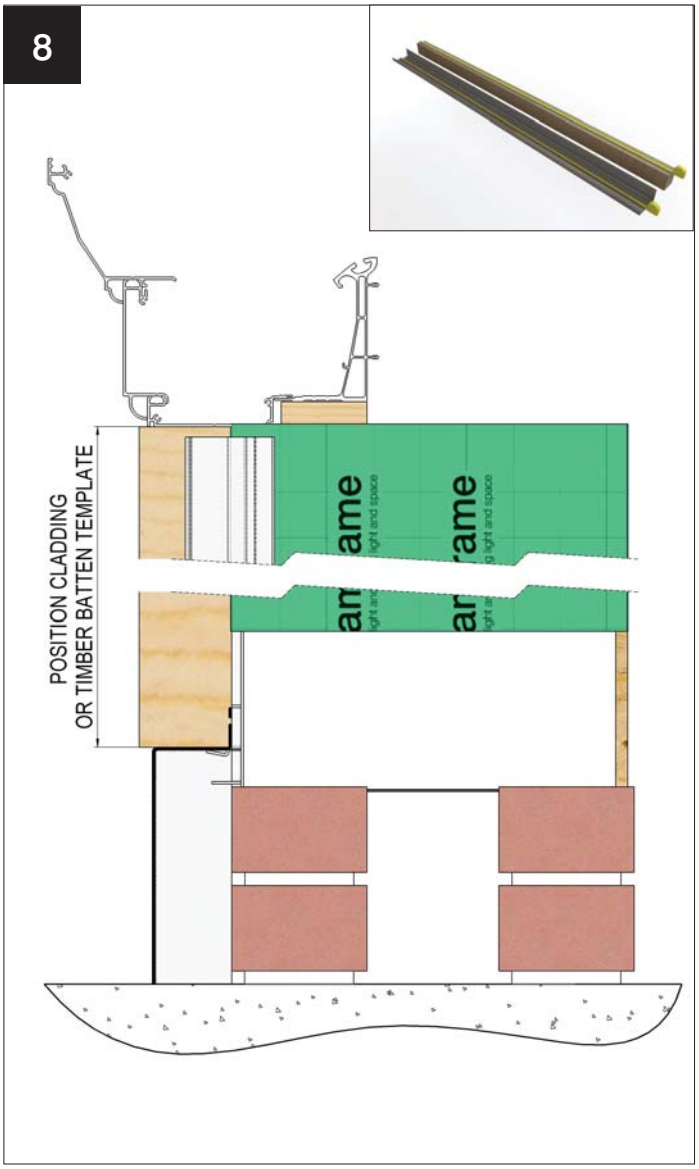
Large and small corner masonry plinth cap. Left and right hand end caps illustrated



Large inline masonry plinth cap. Left and right hand end caps illustrated

FIT COLUMN PLINTH

8

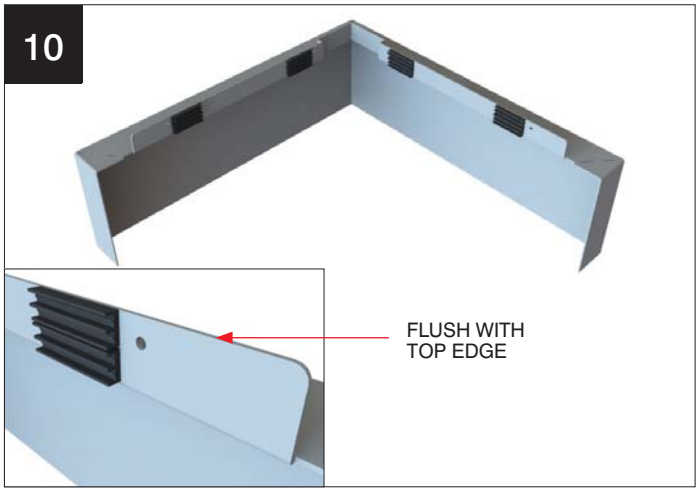


OPEN PACK MARKED 'I'. Either use a cladding or measure the length of one of the claddings and transfer this measurement to a timber batten. Cut to length.

9

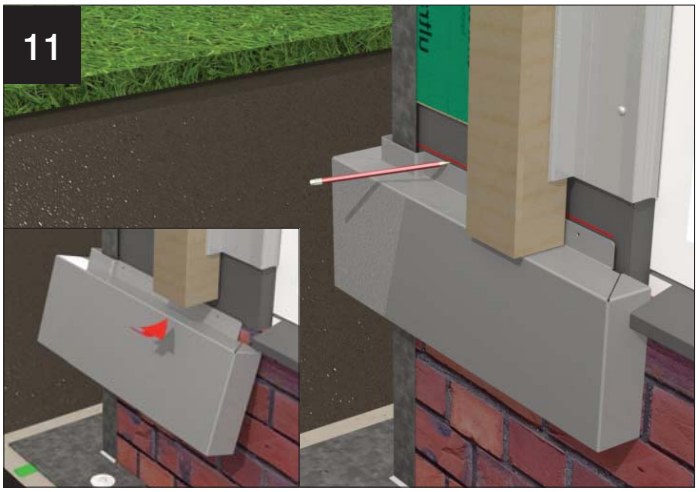
Hold cladding or timber batten in position against the underside of the Cornice or cill.

10



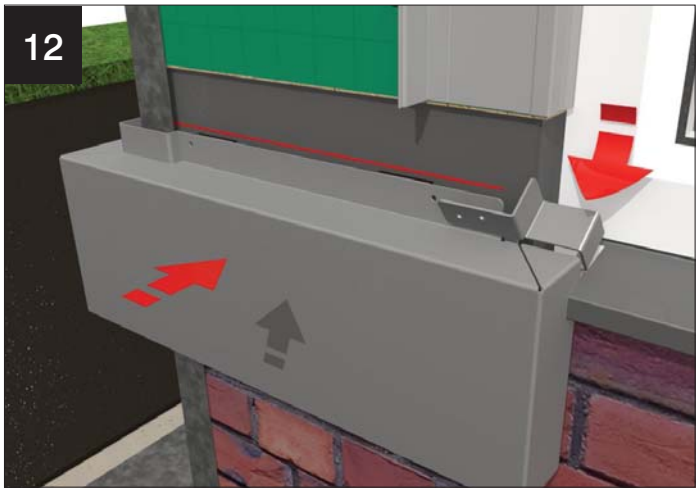
Apply self adhesive packers to back of plinth upstand as shown, adjacent to fixing holes.**This applies to all plinths, except when mounting directly to brickwork (shown on p38)**

11



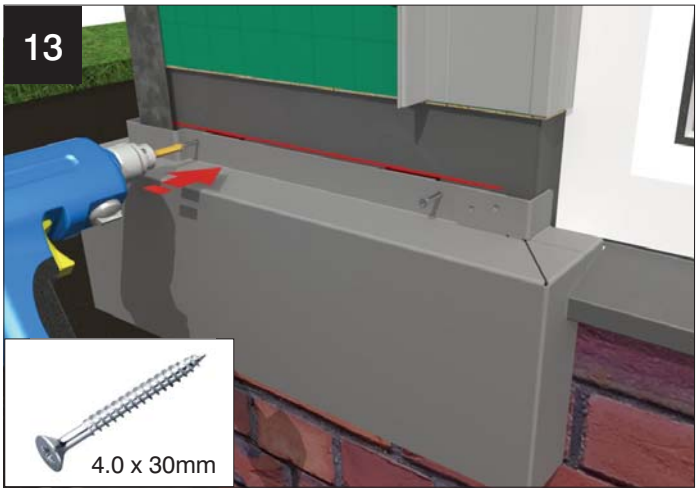
Place column plinth against column and up against the underside of the cut timber batten or cladding. Hold and mark off position on column. Repeat proceedure on other columns.

12

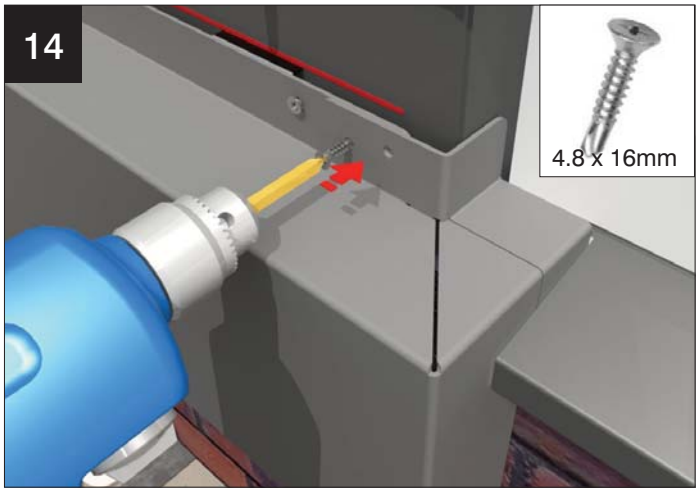


Position plinth against mark. If fitting against frames, rock endcaps into place as plinth is pushed back.

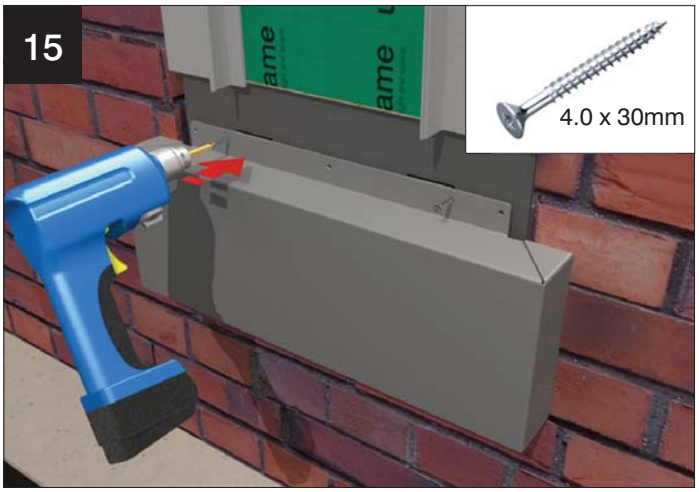
FIT COLUMN PLINTH



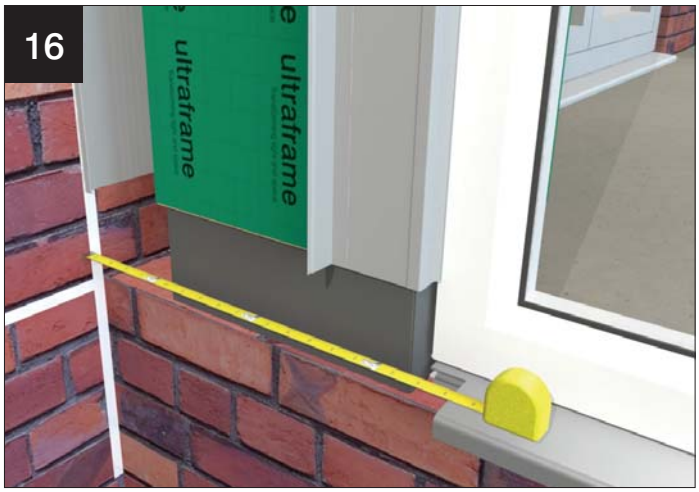
Fix back column plinth through holes shown to column using screws provided through holes shown.



Fix back column plinth endcaps to column plinth using the self drill screws provided.

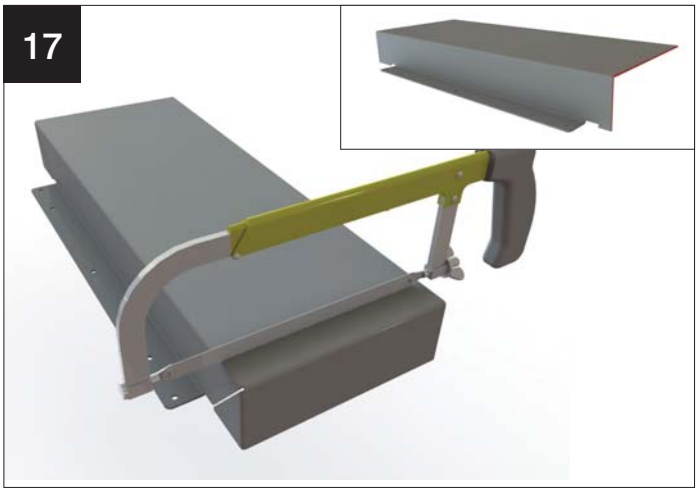


If specified, fit inline column plinth back to column using screws provided. If column plinth is against frames, fit endcaps as shown on p36 fig 12.

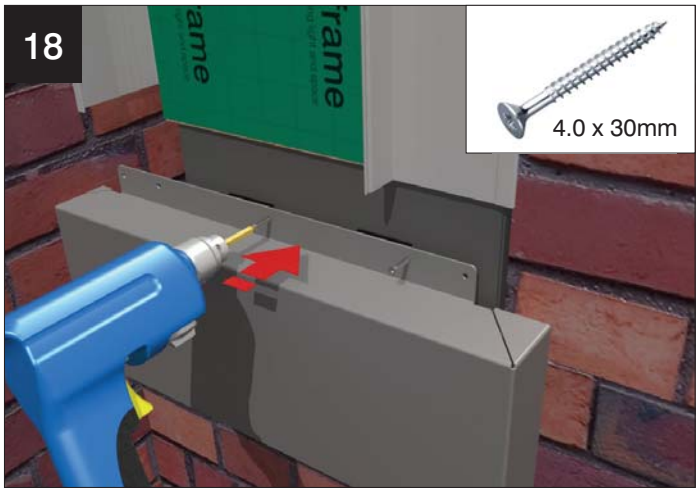


If abutment plinths are specified, measure the distance from the cill prep to the house wall.

NOTE: SILICONE SEAL TOP OF PLINTH (OVER PACKERS) TO BASE OF COLUMN



If abutment column plinth specified, cut down inline column plinth to suit measurementas shown. Left hand and right hand cuts are opposite.



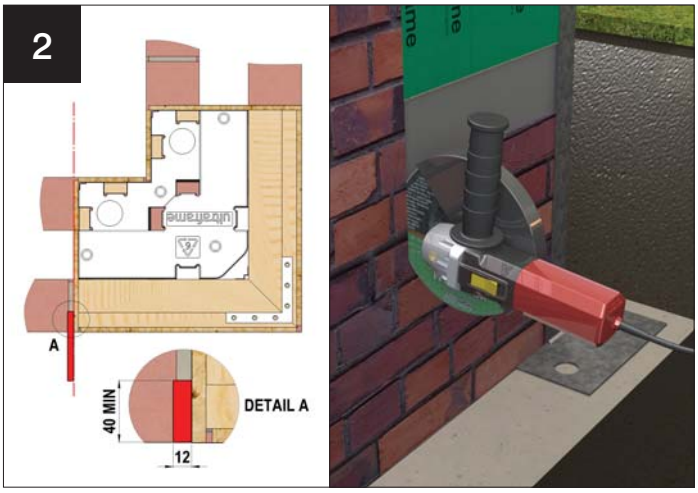
Screw cut down column plinth to column using screws provided. If column plinth is against frames, fit endcaps as shown in previous images.
NOTE: SILICONE SEAL TOP OF PLINTH (OVER PACKERS) TO BASE OF COLUMN

COLUMN PLINTH WITH EXTENDED CLADDINGS (TO SUIT SLOPING GROUND CONDITIONS)

1

Typical build with sloping ground conditions.

2

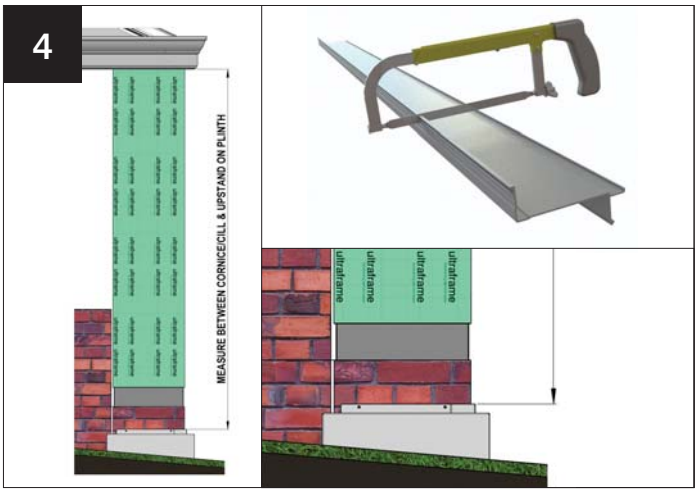


Mark and grind out brickwork in line with edge of column below DPC level to desired height to suit ground conditions. Slot in brickwork should be a miniumum of 40mm deep x 12mm wide and be inline with the edge of the column as shown.

3

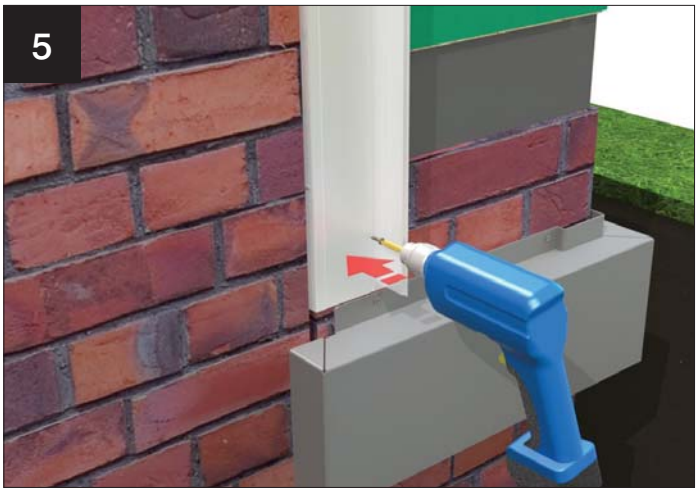
Position plinth against brickwork (to suit ground conditions). Mark through holes in plinth and then drill and plug wall. Screw plinth to wall.

4



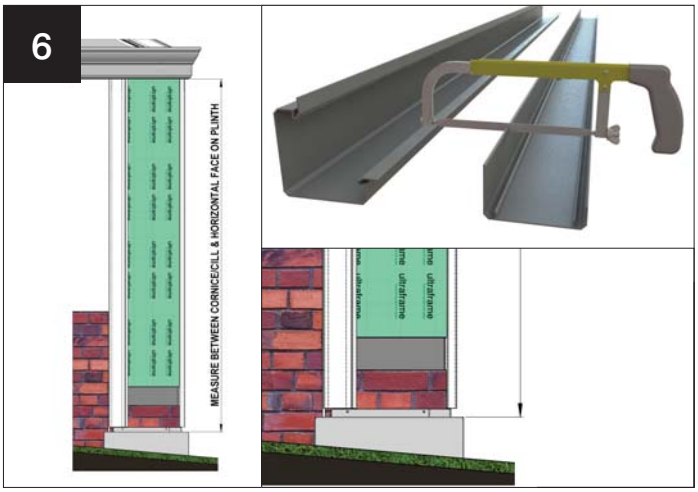
Measure between the underside of Cornice or cill and the top of the upstand on the plinth. Cut the cladding clips to this measurement.
IMAGE SHOWS GROUND RE-INSTATED (SLOPED)

5



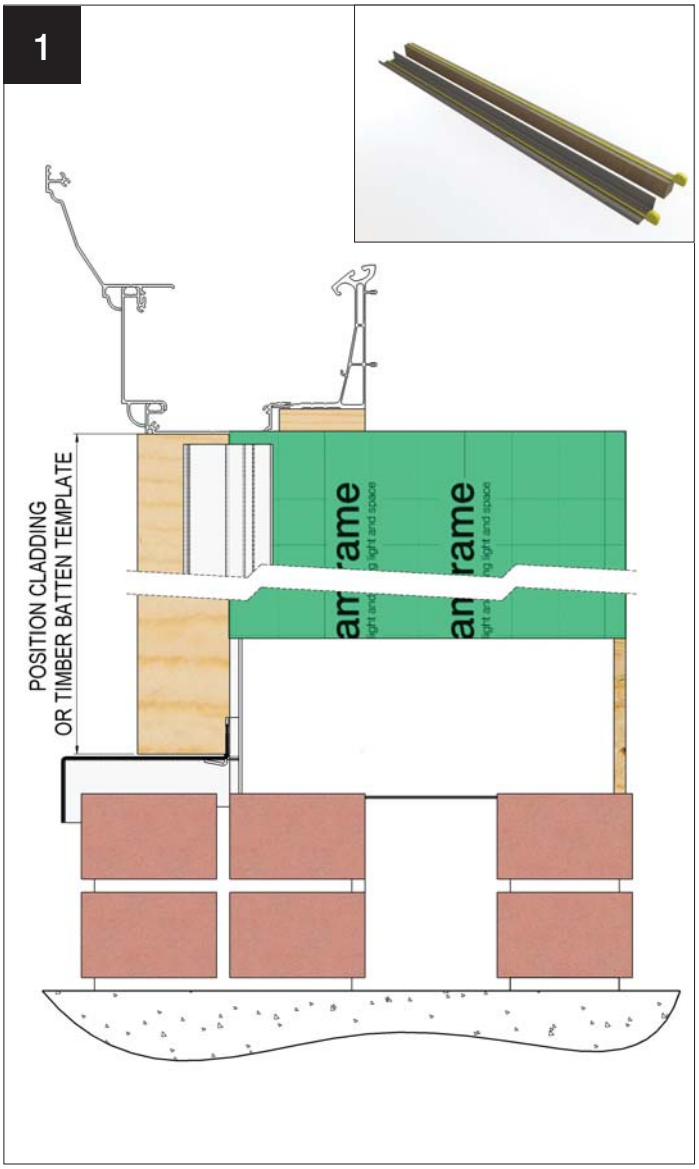
Position cladding clip around column and into slot in brickwork. Drill through hole and mark brickwork. Plug and screw. Screw along length of the column

6



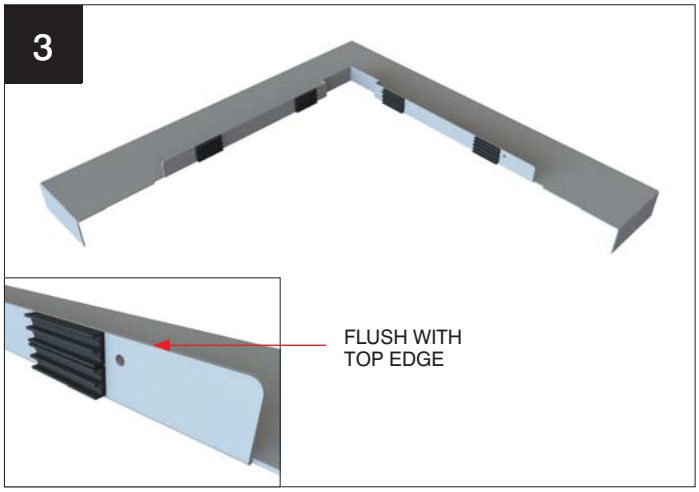
Measure between the underside of Cornice or cill and the top of the horizontal face of the plinth. Allow 2mm clearance and cut the claddings to this measurement. Fit as shown starting on p43.

FIT BRICK PLINTH CAP

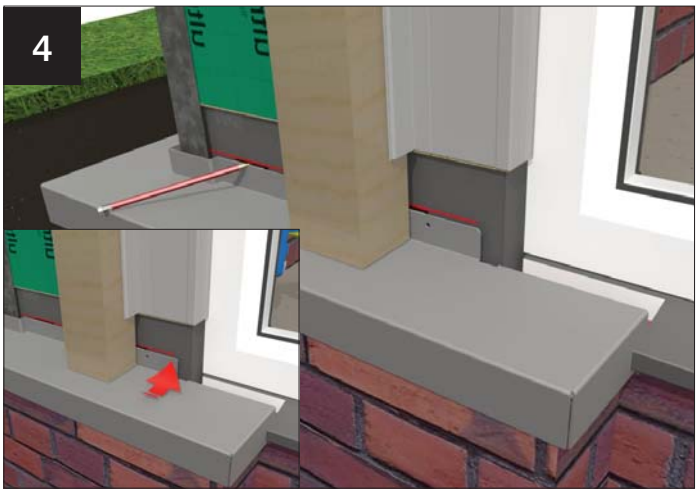


OPEN PACK MARKED 'I'. Either use a cladding or measure the length of one of the claddings and transfer this measurement to a timber batten. Cut to length.

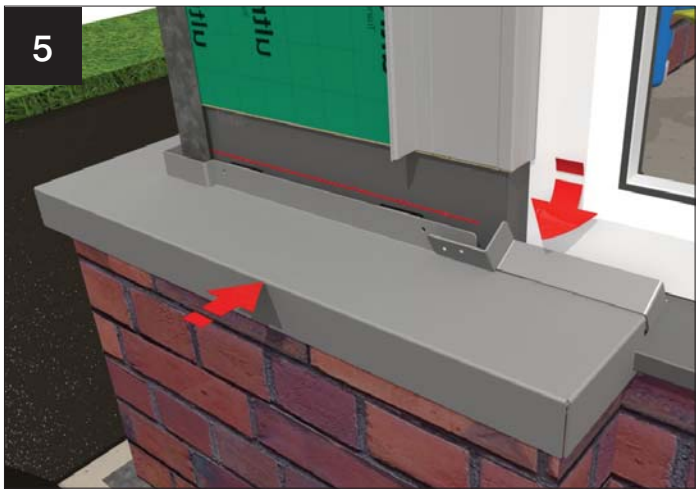
Hold cladding or timber batten in position against the underside of the Cornice or cill.



Apply self adhesive packers to back of plinth upstand as shown, adjacent to fixing holes. This applies to all plinths

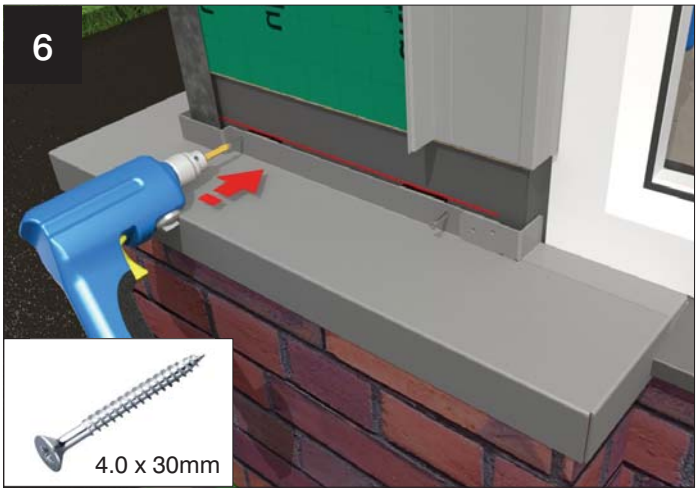


Place column plinth against column and up against the underside of the cut timber batten or cladding. Hold and mark off position on column. Repeat proceedure on other columns.

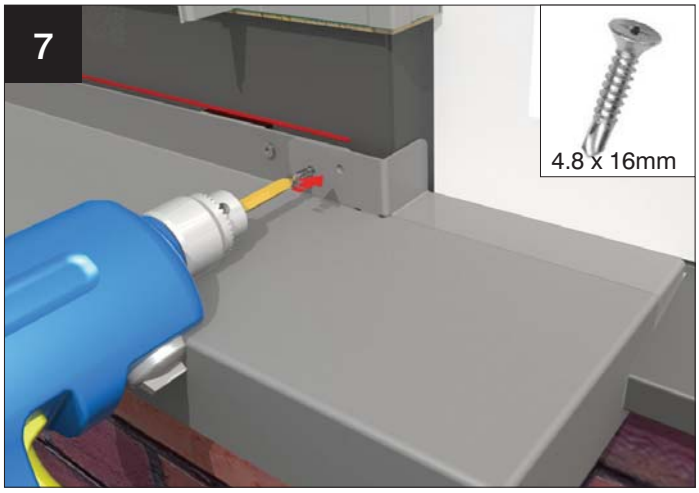


Position plinth against mark. If fitting against frames, rock endcaps into place as plinth is pushed back.

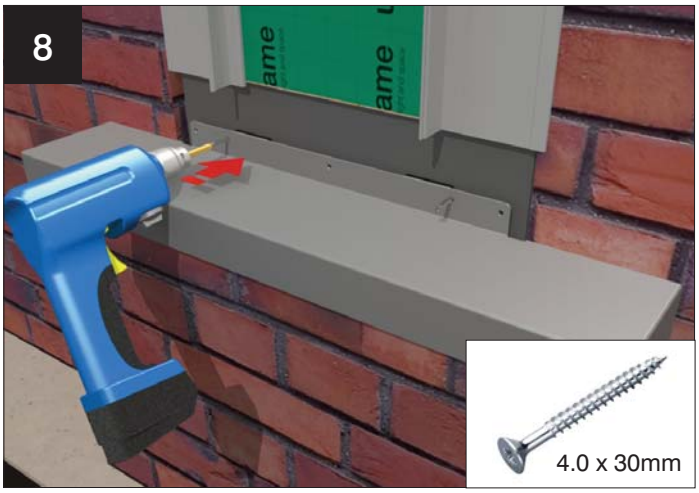
FIT BRICK PLINTH CAP



Fix back column plinth through holes shown to column using screws provided.



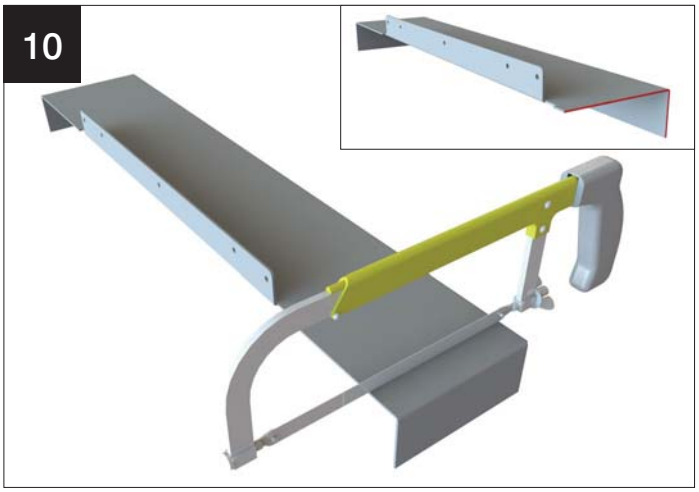
Fix back column plinth endcaps to column plinth using the self drill screws provided.



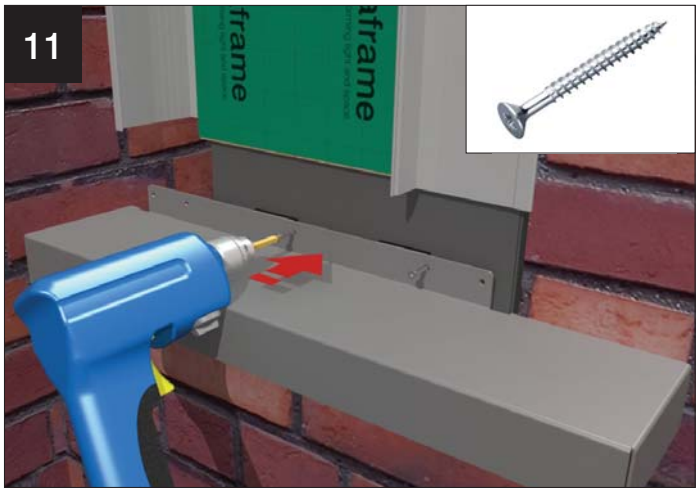
If specified. fit inline column plinth back to column using screws provided. If column plinth is against frames, fit endcaps as shown on p39 fig 5.

If abutment plinths are specified, measure the distance from the cill prep to the house wall.

NOTE: SILICONE SEAL TOP OF PLINTH (OVER PACKERS) TO BASE OF COLUMN



If abutment column plinth specified, cut down inline column plinth to suit measurement as shown. Left hand and right hand cuts are opposite.



Screw cut down column plinth to column using screws provided. If column plinth is against frames, fit endcaps as shown in previous images.
NOTE: SILICONE SEAL TOP OF PLINTH (OVER PACKERS) TO BASE OF COLUMN

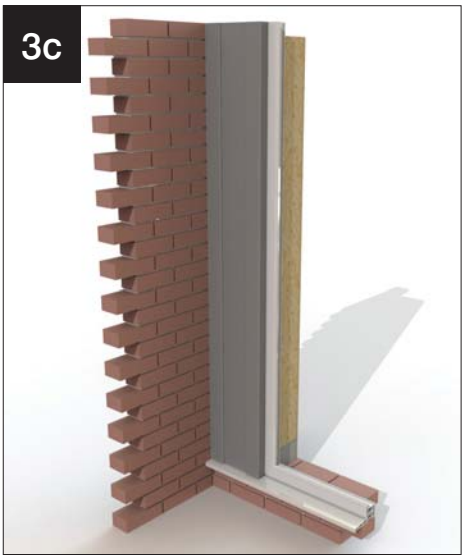
COLUMN CLADDINGS (OVERVIEW ON THIS PAGE, SEE FULL DETAILS PAGES 43 - 45)

Loggia with Cornice

Loggia with cill

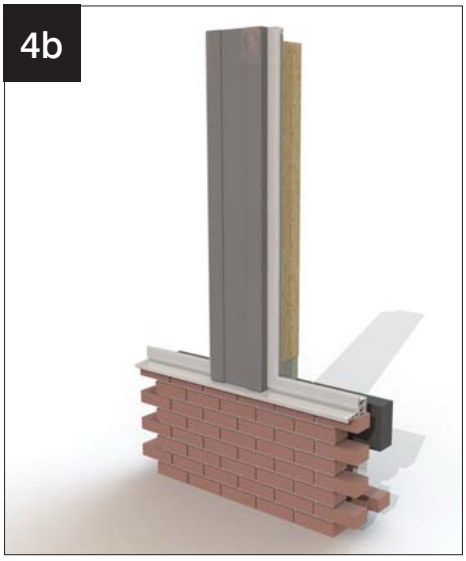
Corner

Inline

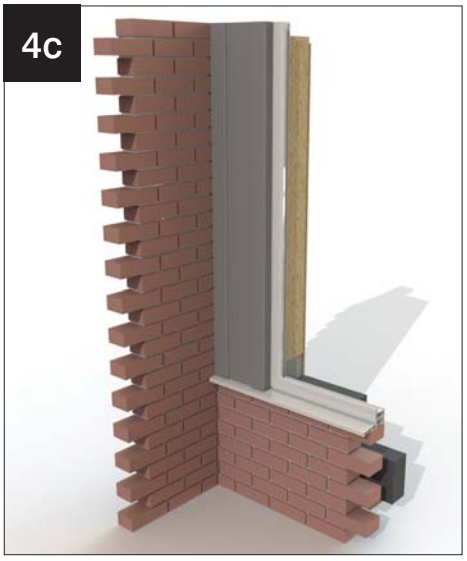


Abutment

Corner



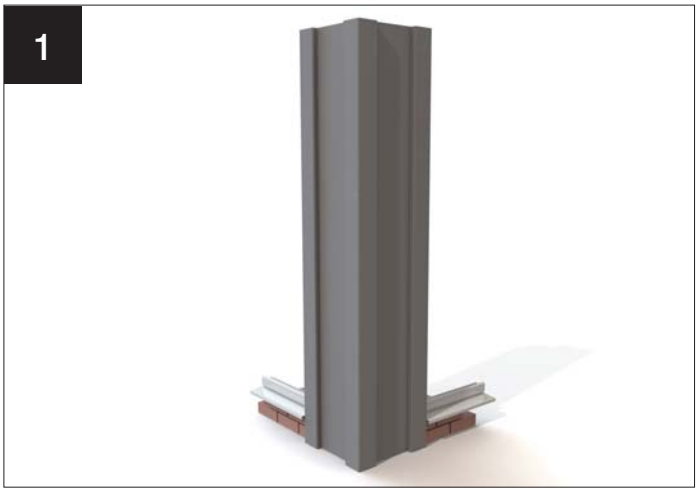
Inline



Abutment

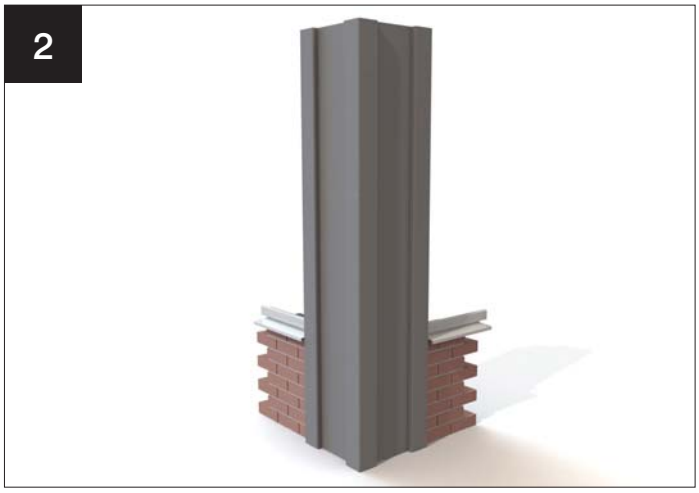
FULL HEIGHT CLADDING - OVERVIEW

1



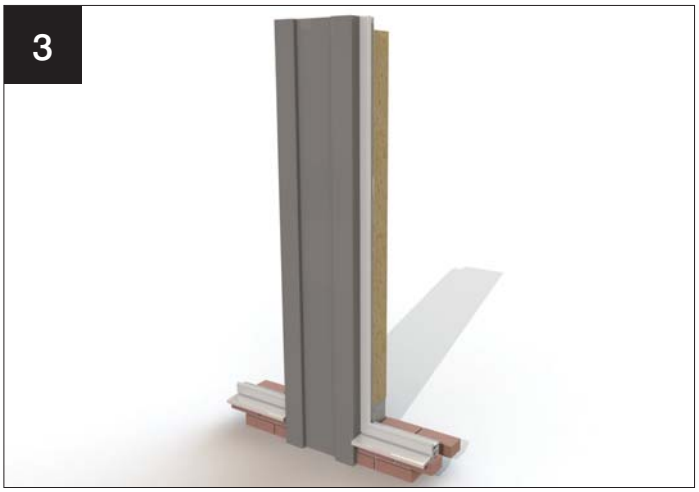
90^{O} CORNER COLUMN.
Claddings only (to ground)

2



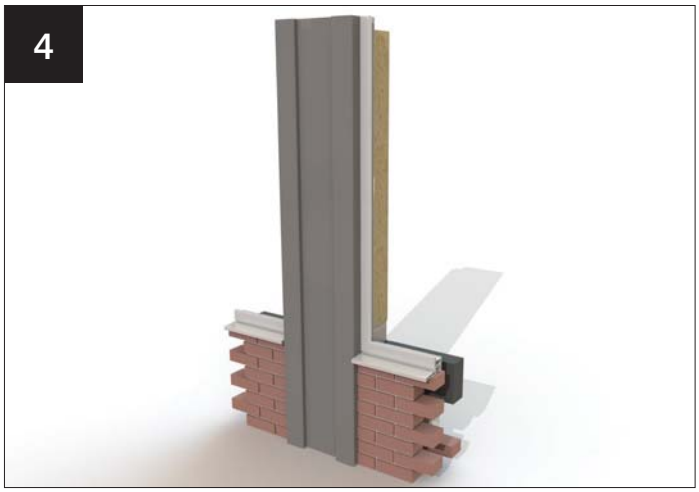
90^{O} CORNER COLUMN.
Column sat on cill, claddings run to ground (retro fit situation).

3



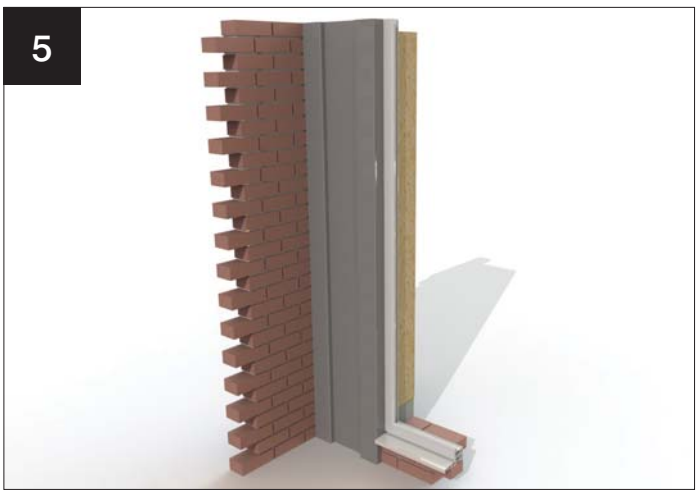
INLINE COLUMN.
Claddings only (to ground)

4



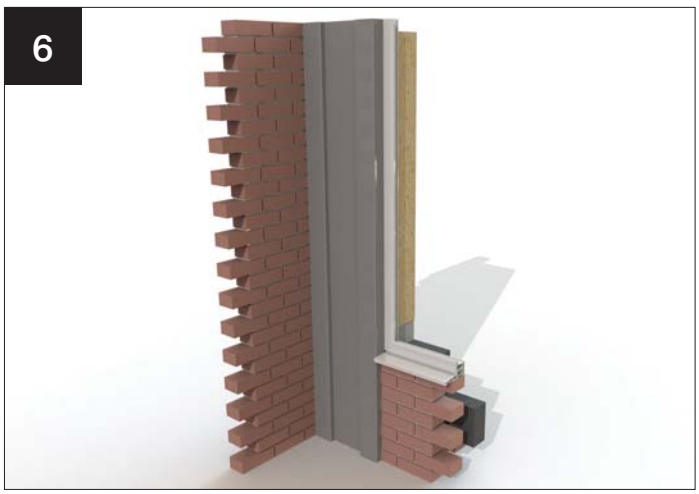
INLINE COLUMN.
Column sat on cill, claddings run to ground (retro fit situation).

5



ABUTMENT COLUMN.
Claddings only (to ground)

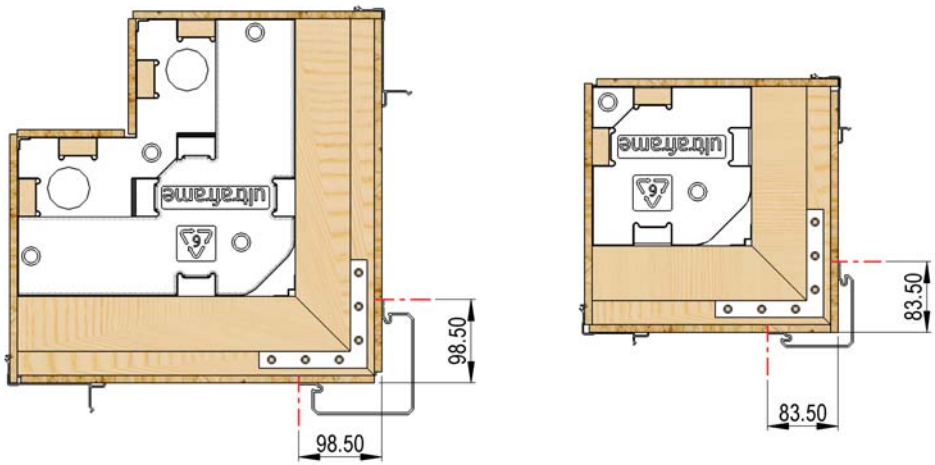
6



ABUTMENT COLUMN.
Column sat on cill, claddings run to ground (retro fit situation).

FIT CORNER CLADDINGS

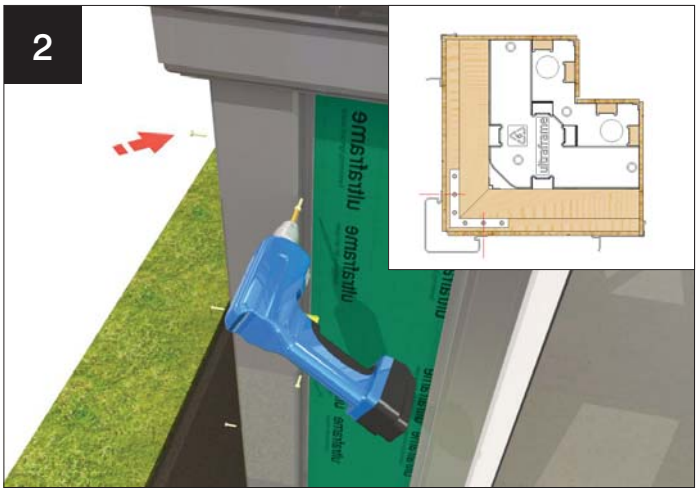
1



OPEN PACK MARKED 'G' (Powder coated claddings). Measure and mark face of column as shown to position corner cladding.

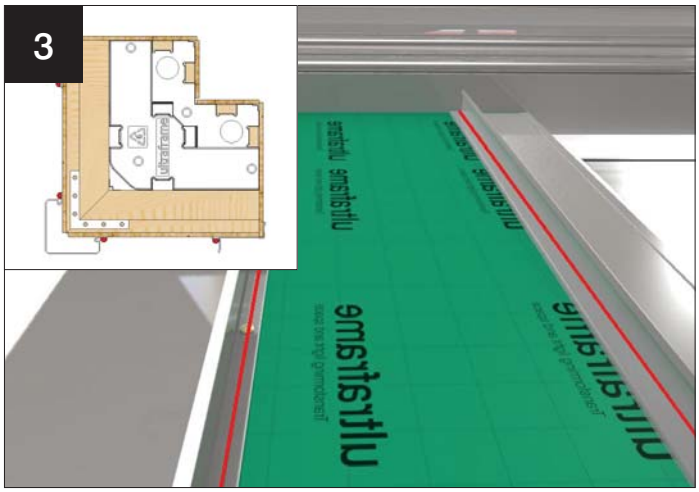
NOTE: ENSURE A GOOD TIGHT FIT BETWEEN THE TOP OF THE CLADDINGS AND THE BOTTOM OF THE CORNICE OR CILL.

2



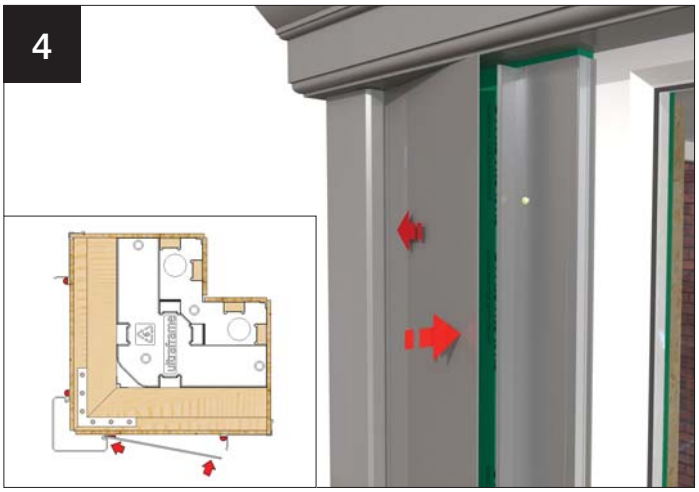
Line up the corner cladding with the two marks shown on the face of the corner column. Screw fix through holes into column using the 4.8 x 25mm pozi pan screws supplied

3



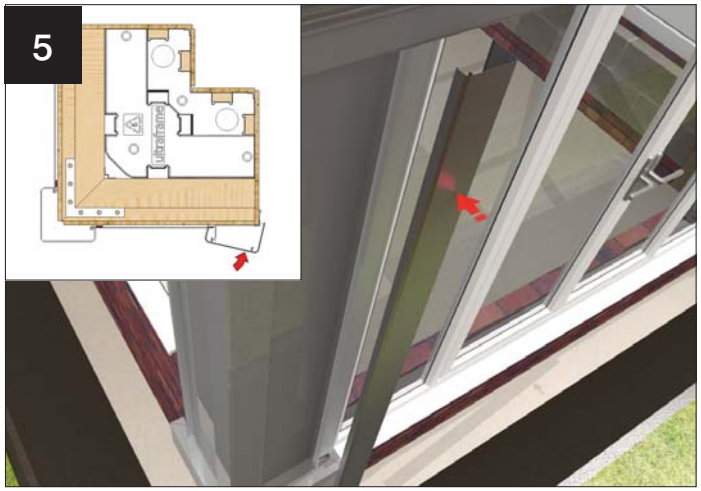
Silicone along the faces of the cladding clips as shown by ●

4



Push powder coated infill panel onto one side of the corner cladding and rock back against face of cladding clip

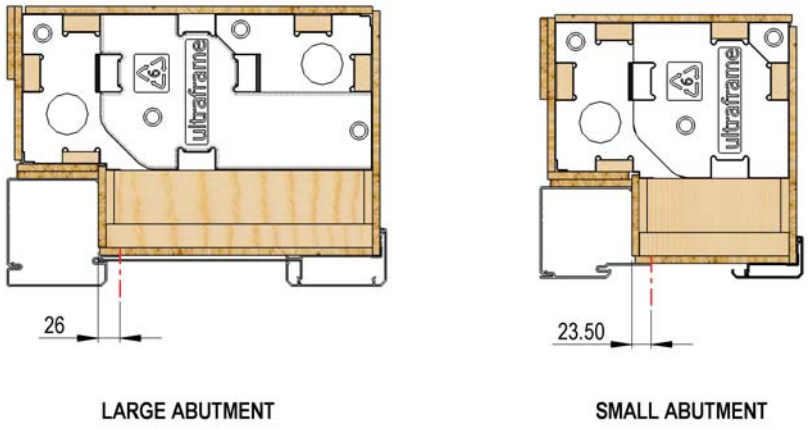
5



Clip on cladding as shown by locating inside clip first and rocking round the external clip. Repeat figs 4 and 5 to other side of the column.

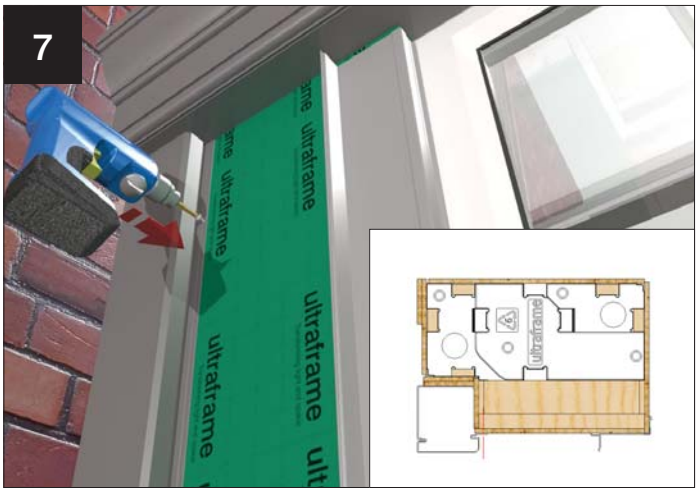
FIT ABUTMENT CLADDINGS

6



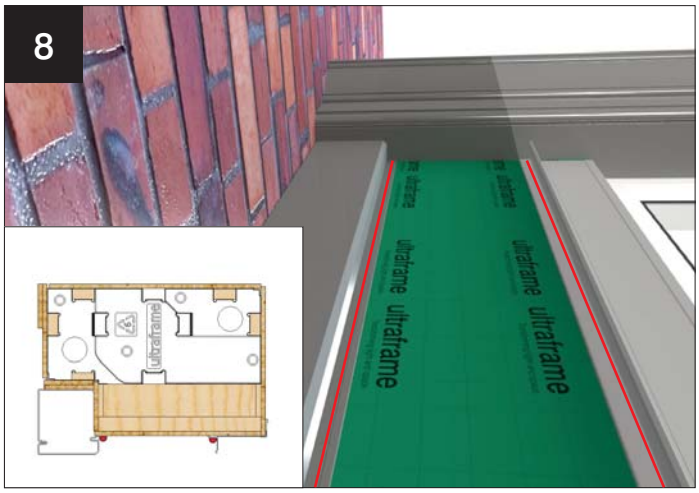
Measure and mark face of column as shown to position abutment cladding.

7



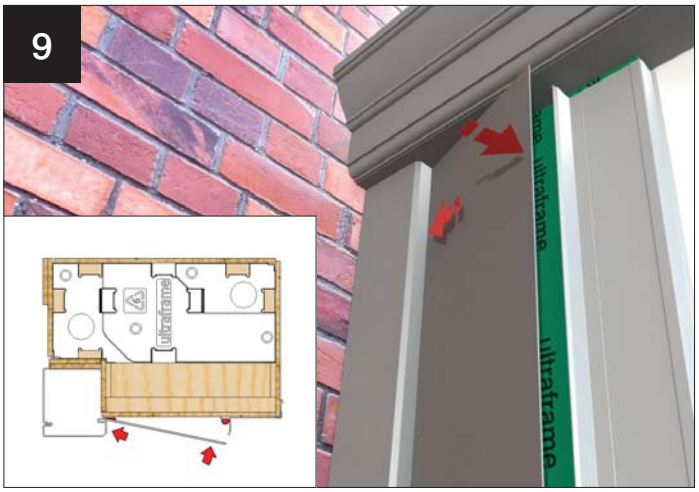
Line up abutment cladding with mark on face of abutment column. Screw abutment cladding to abutment column using the 4.8 x 25mm pozi pan screws supplied.

8



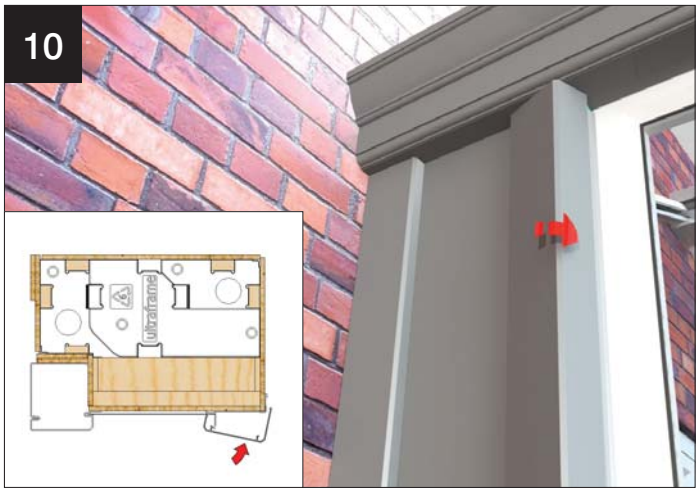
Silicone along faces of cladding clips as shown by ●

9



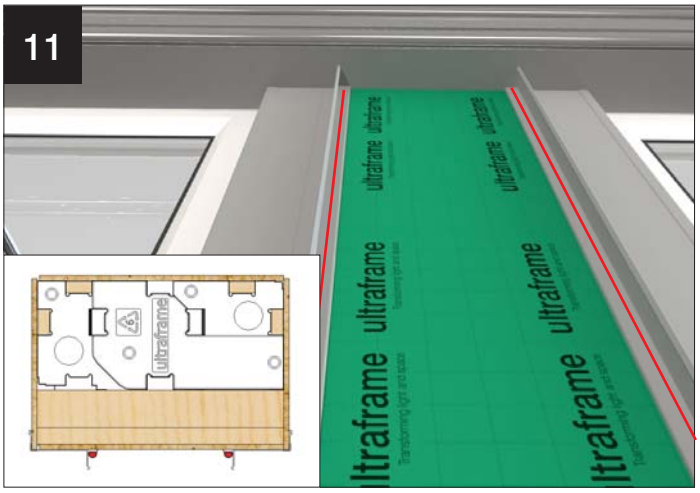
Push powder coated infill panel into abutment cladding and rock back against face of cladding clip.

10

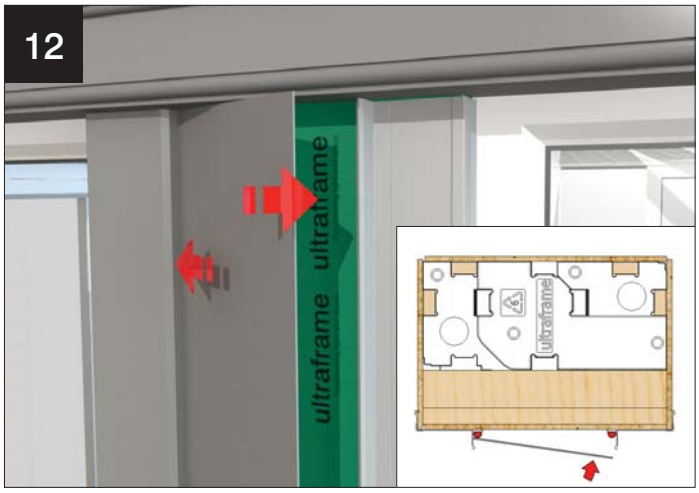


Clip on abutment cladding by locating inside clip first and rocking round the external clip as shown

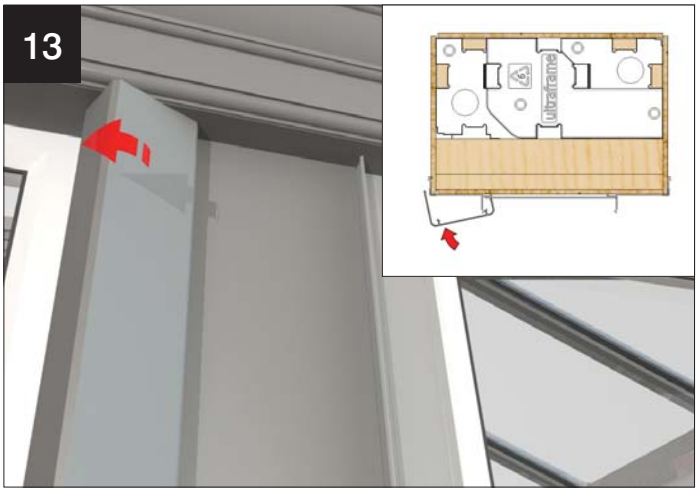
FIT INLINE CLADDINGS



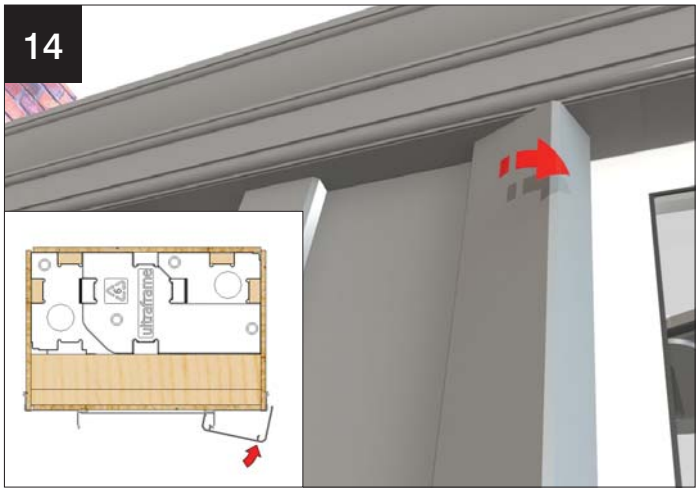
Silicone along faces of cladding clips as shown by ●



Locate infill panel between cladding clips and push against silicone.



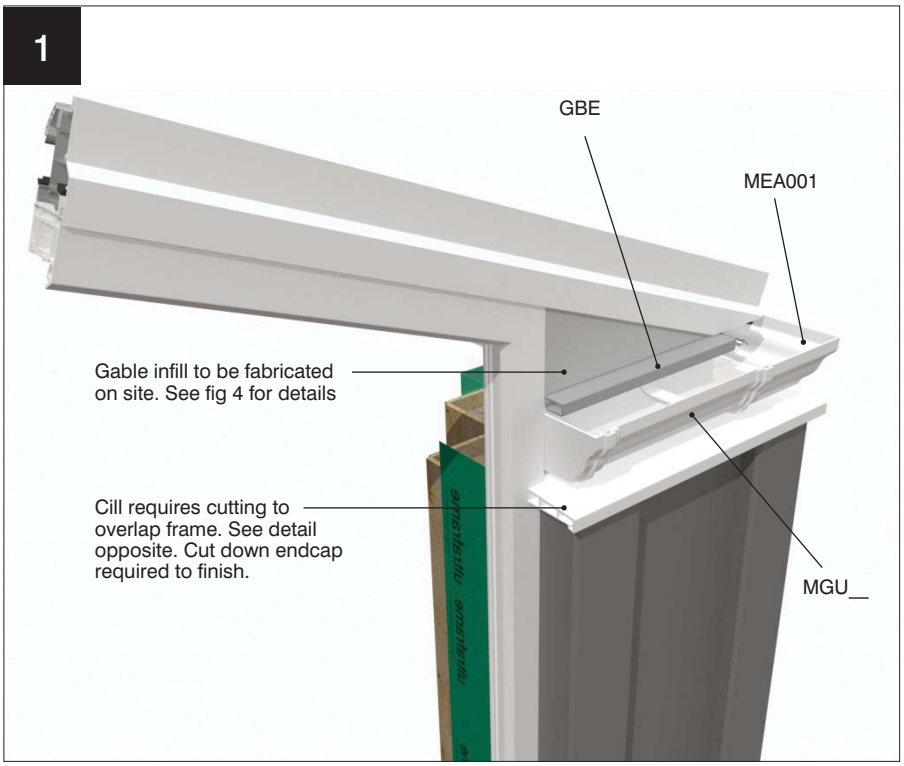
Rock on column cladding, innermost clip first



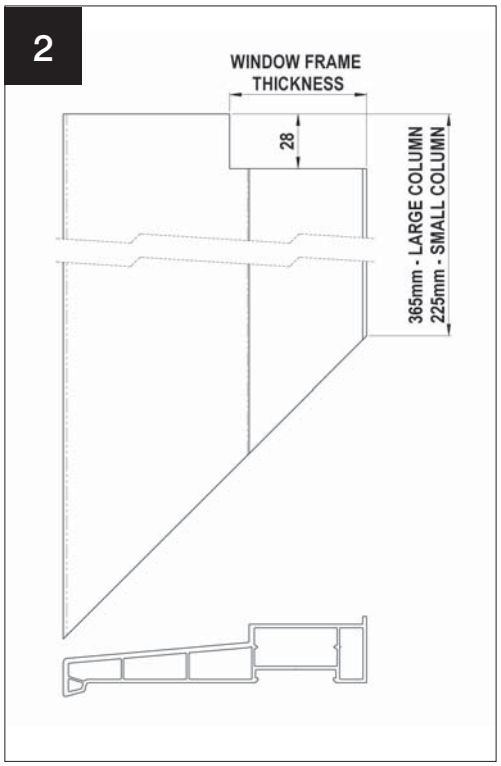
Repeat on other side.

Fit Cornice corners (LRP021)

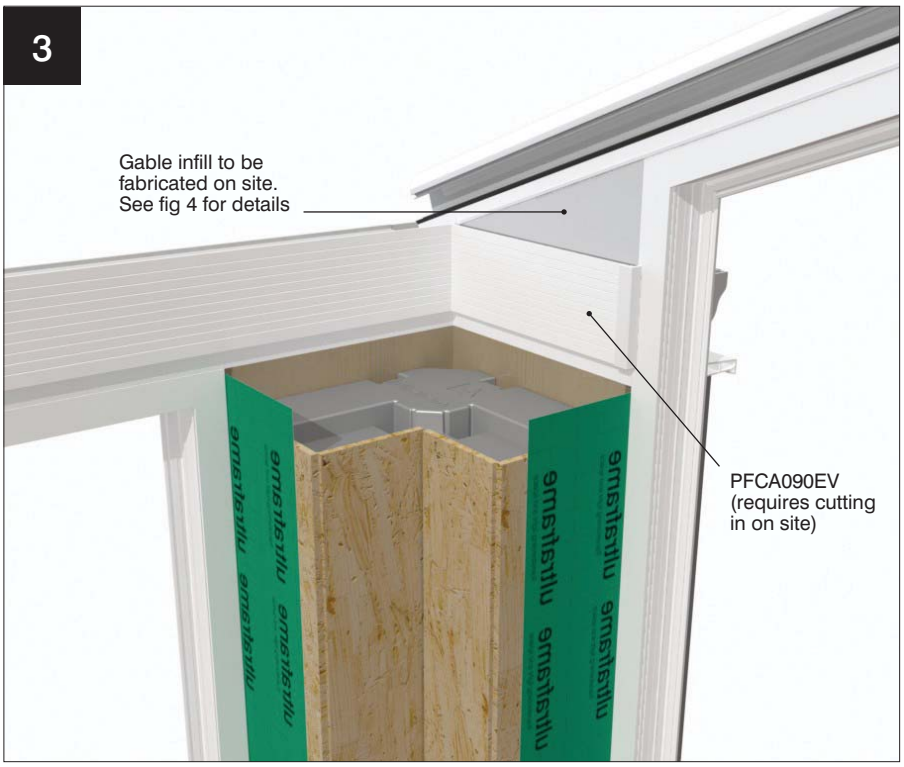
GABLE SHORT RETURN ON CILL



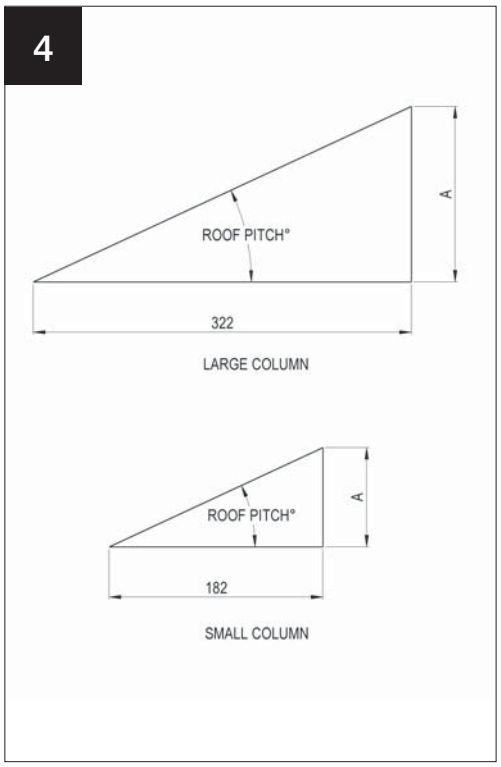
External view of short return gable on a cill



Eaves prep around window frame. Cill styles vary



Internal view of short return gable on a cill



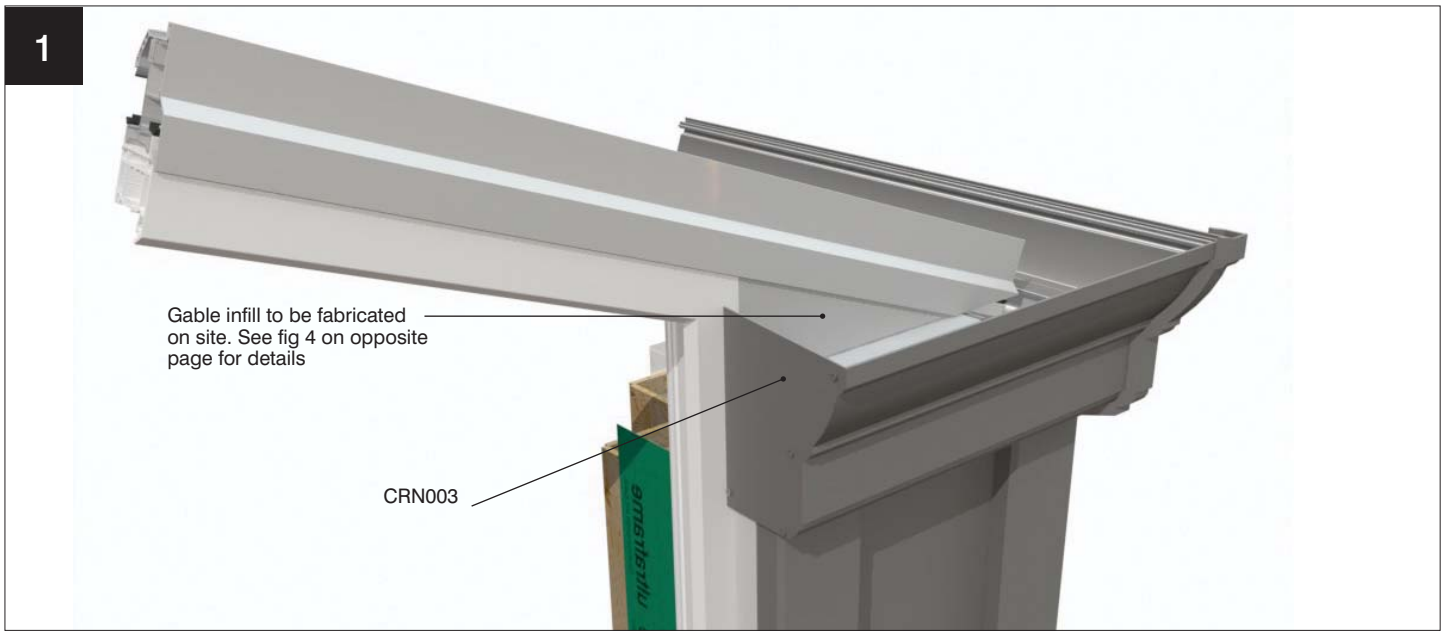
Gable infill. See table below for sizes of 'A' related to pitch

Gable infil sizes for 'A'

ROOF PITCH (°)	5	7.5	10	12.5	15	17.5	20	22.5	25	27.5	30	32.5	35	37.5	40	42.5
Large Column	28	42	57	71	86	102	117	133	150	168	186	205	225	247	270	295
Small Column	16	24	32	40	49	57	66	75	85	95	105	116	127	140	153	167

GABLE SHORT RETURN WITH CORNICE

1

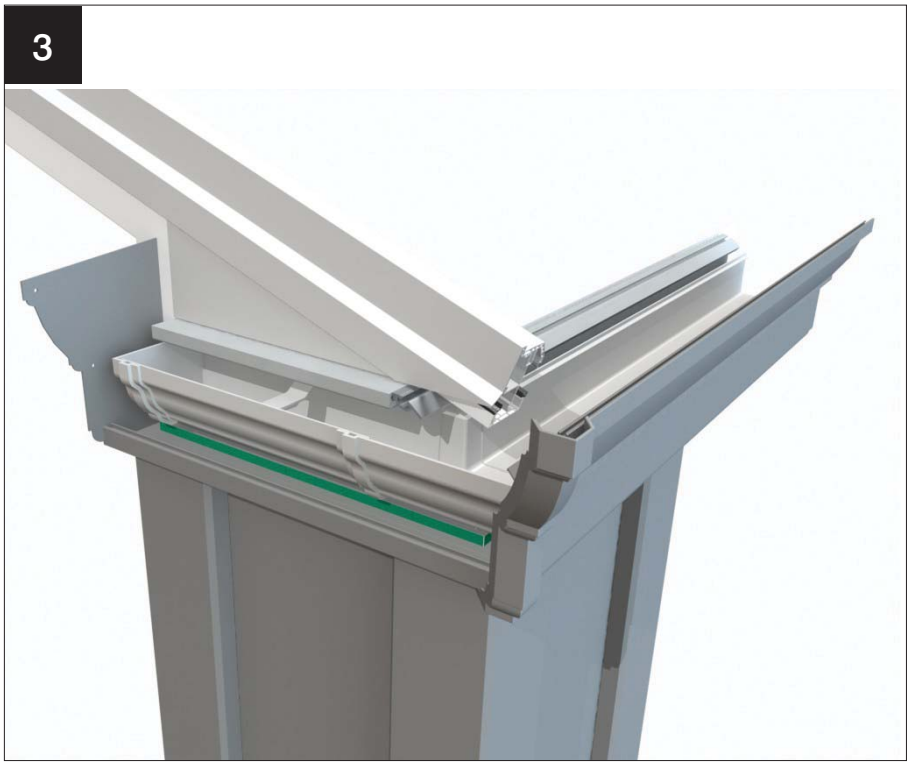


External view of short return gable with Cornice

2

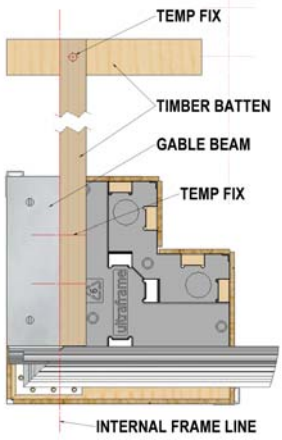
Cornice corners (LRP021) fitted after cladding

3



External view of short return gable with Cornice (Part of Cornice removed for clarity)

3a



IMPORTANT NOTE: WHEN SETTING OUT COLUMNS WITH EAVES BEAM ON A SHORT RETURN GABLE, TEMP FIX A LENGTH OF TIMBER TO INSIDE FACE OF GABLE BEAM AND BACK TO HOUSE WALL. SEE FIG '3A'.

Lengths

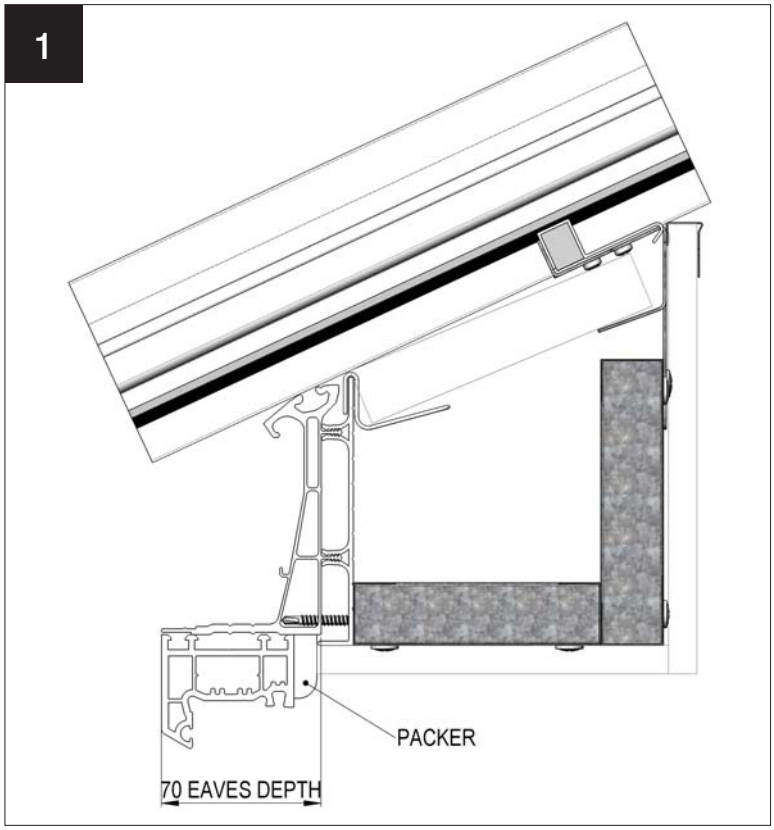
	LARGE COLUMN	SMALL COLUMN
MGU length (mm)	333	193
GBE length (mm)	327	187

LIVINROOM WITH WINDOW

FRAME SIZES LESS THAN 70MM

Liv*in*Room perimeter ceiling and Loggia coumns are designed for 70mm deep window frames. If using window frames smaller than 70mm, packing is required as shown in the figures below.

1

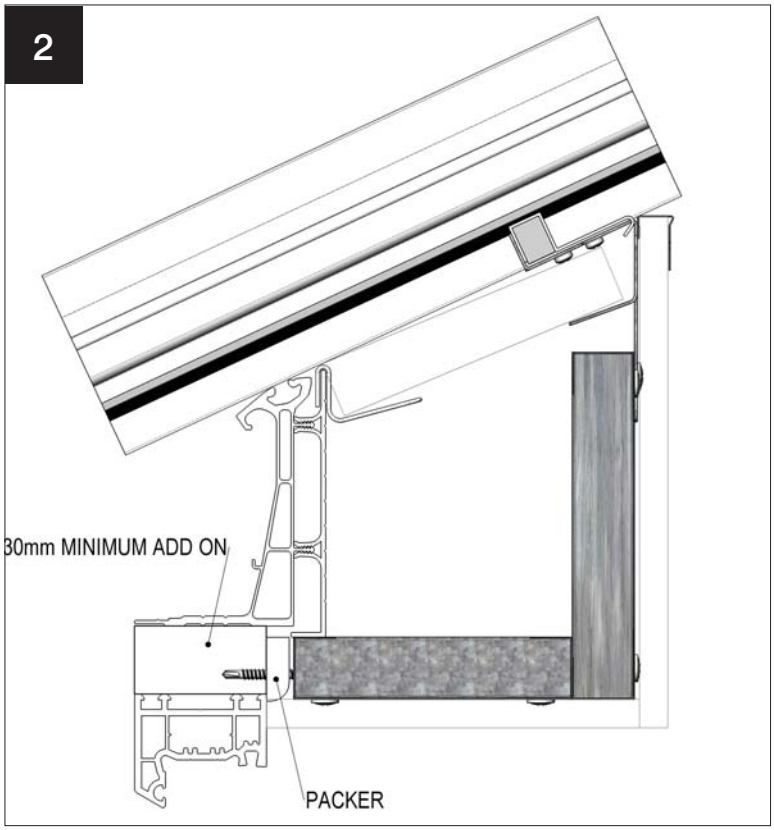


ON FASCIA
Packer is required behind PFTB fascia board to stop it collapsing when fixing back horizontal Liv*in*Room framework. Packer can then be plastered up to.

Packer size = 70mm - frame size

TIMBER PACKERS, TRIMS OR FRAME ADD ONS NOT SUPPLIED

2



BELOW FASCIA
Packer is required behind horizontal Liv*in*Room framework.
Packer size = 70mm - frame size

TIMBER PACKERS, TRIMS OR FRAME ADD ONS NOT SUPPLIED

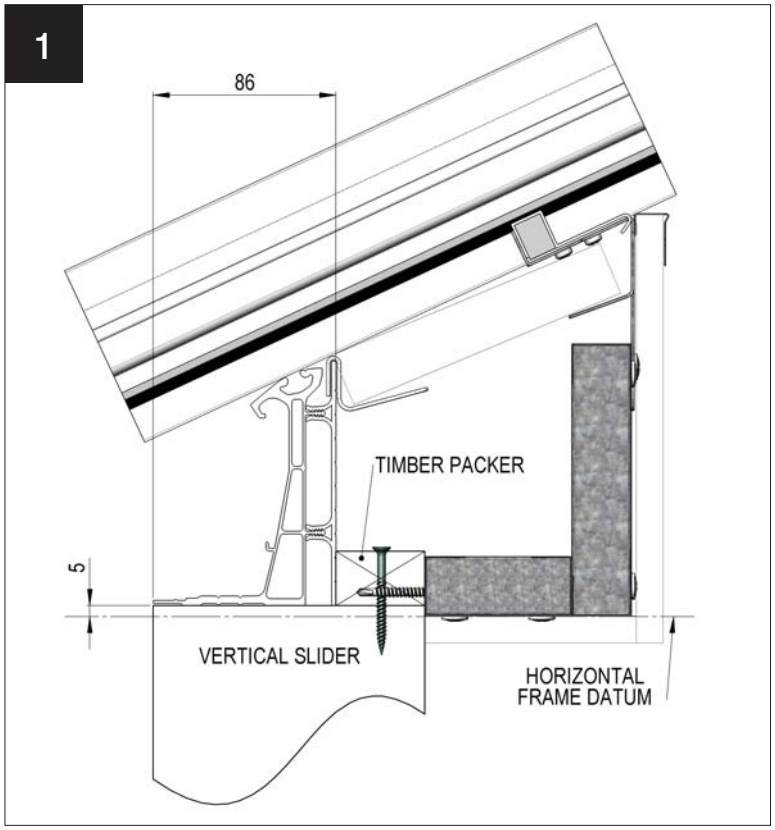
LIVINROOM WITH WINDOW

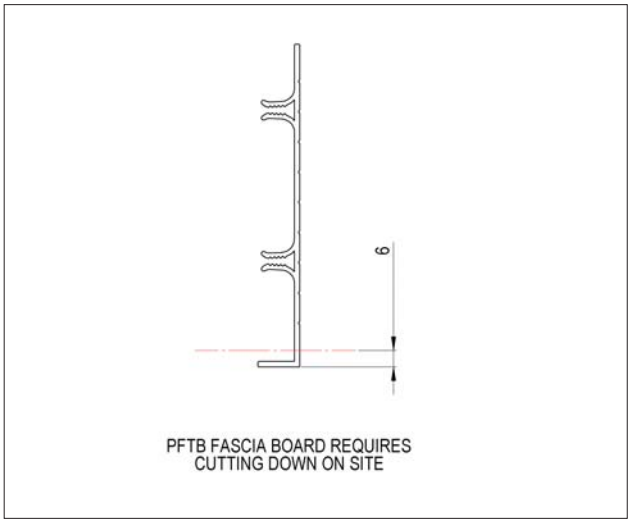
FRAME SIZES GREATER THAN 70MM

Liv*in*Room perimeter ceiling and Loggia coumns are designed for 70mm deep window frames. If using window frames larger than 70mm the Liv*in*Room frame requires reducing to suit.

Contact Ultraframe technical support so that adjustments can be made to the framework.

1

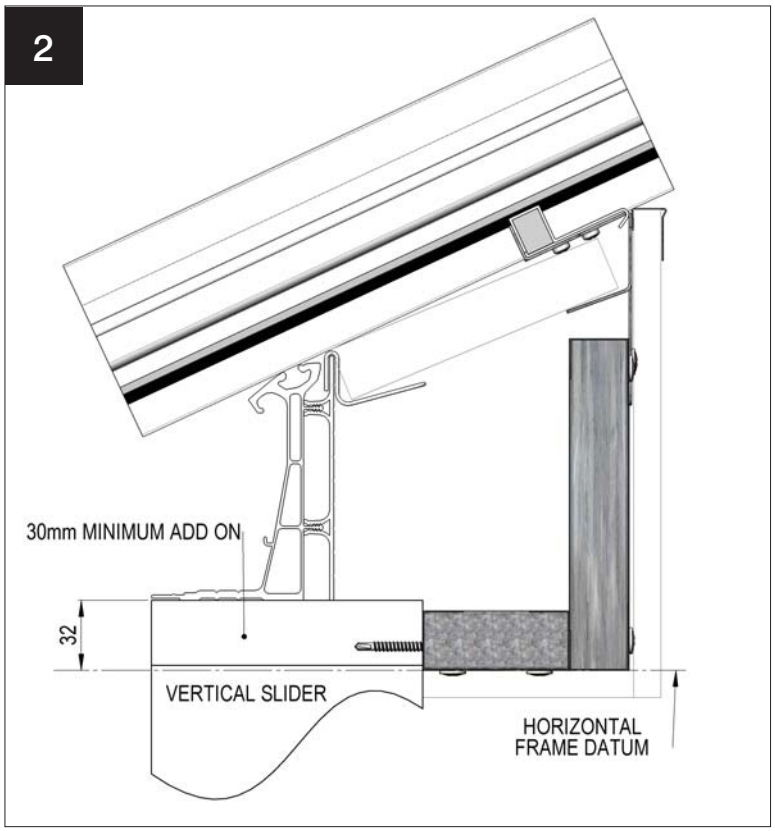




ON FASCIA / VERTICAL SLIDER
1. PFTB Fascia requires cutting down by 6mm as shown above.
2. Overall eaves size, including PFTB is 86mm. Timber packer required = Frame depth - 86
3. This size is also the deduction for Liv*in*Room horizontal frames

TIMBER PACKERS, TRIMS OR FRAME ADD ONS NOT SUPPLIED

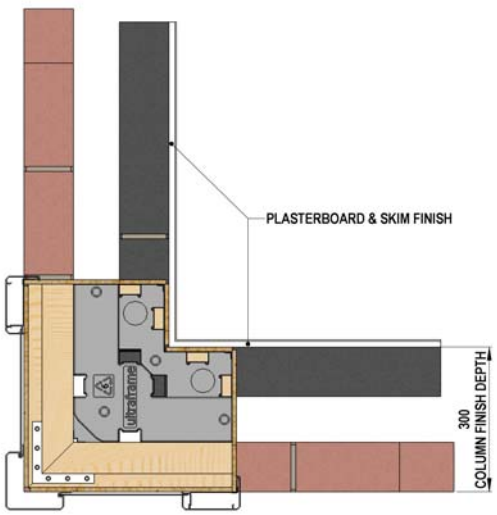
2



BELOW FASCIA / VERTICAL SLIDER
1.30mm (minimum) add on is required above frames (as shown)
2. Horizontal frame is positioned 32mm below the underside of the eaves beam.

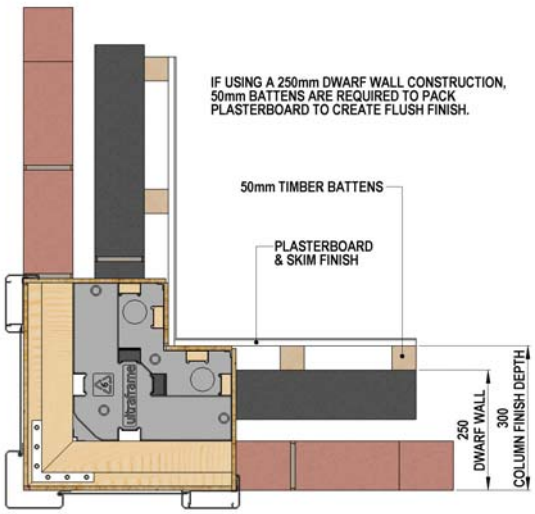
TIMBER PACKERS, TRIMS OR FRAME ADD ONS NOT SUPPLIED

1



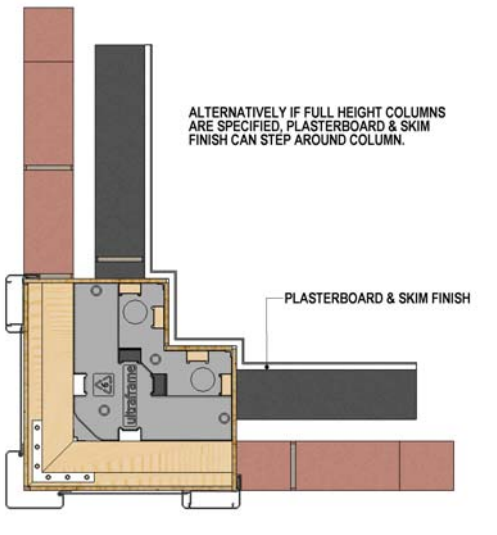
300mm WALL
Plasterboard directly to column and wall

2



250mm WALL
If using a 250mm wall, pack out plasterboard 50mm from column as shown

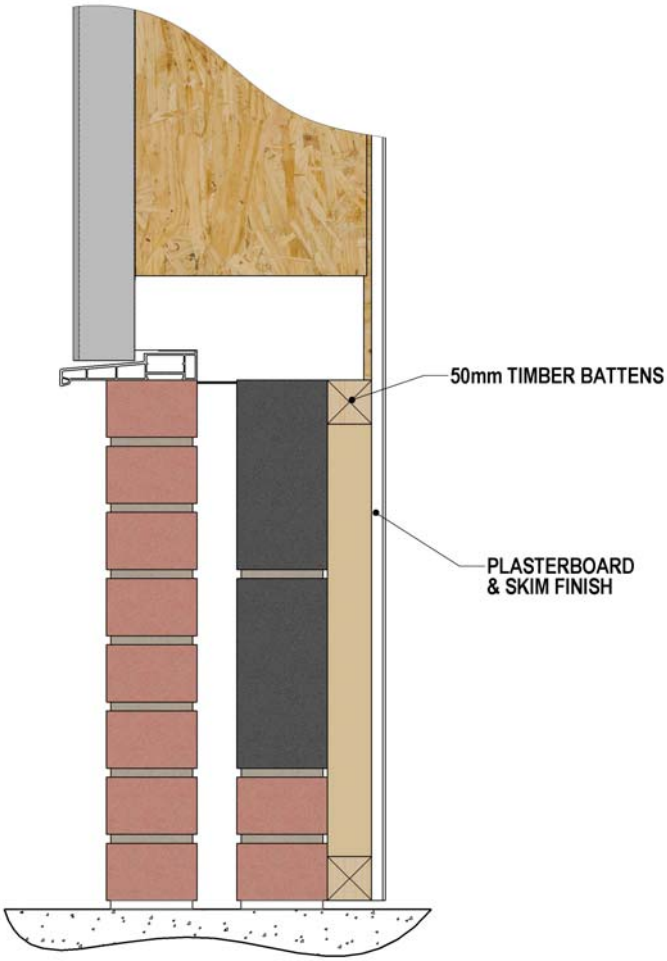
3



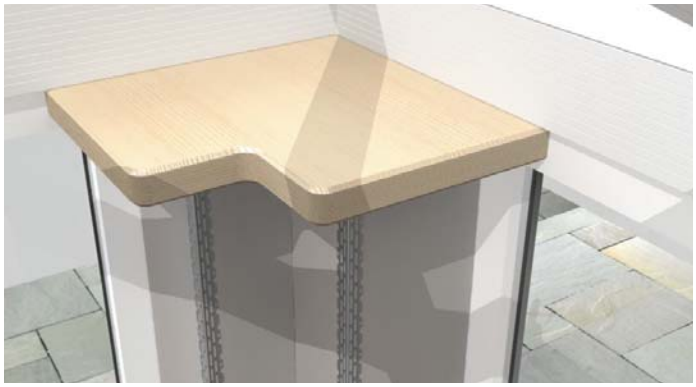
250mm WALL (full height columns)
If using full height columns with a 250mm wall, plasterboard can be stepped around the columns as shown.

NOTE: 12.5MM FOIL BACKED PLASTERBOARD SHOULD BE USED WHEN BOARDING COLUMNS

2a



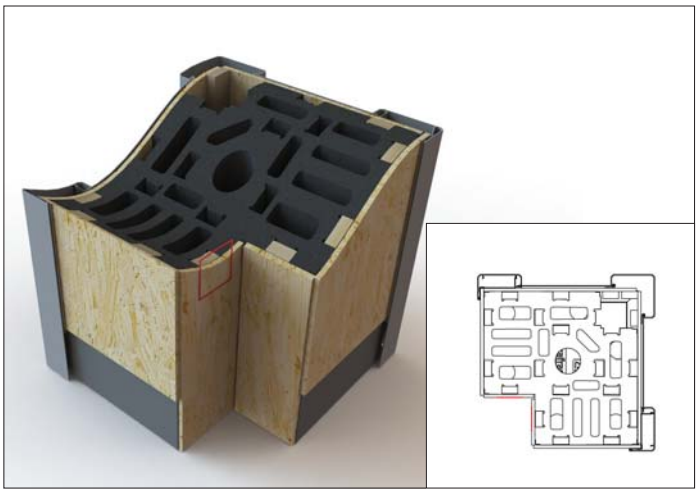
SUGGESTED FINISH IF LIV*IN*ROOM NOT SPECIFIED



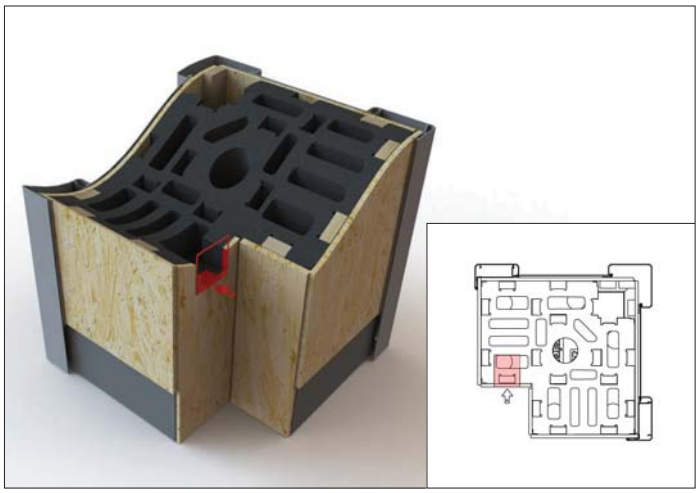
Timber Cap - exact finish at fitters discretion

CAPPING NOT SUPPLIED

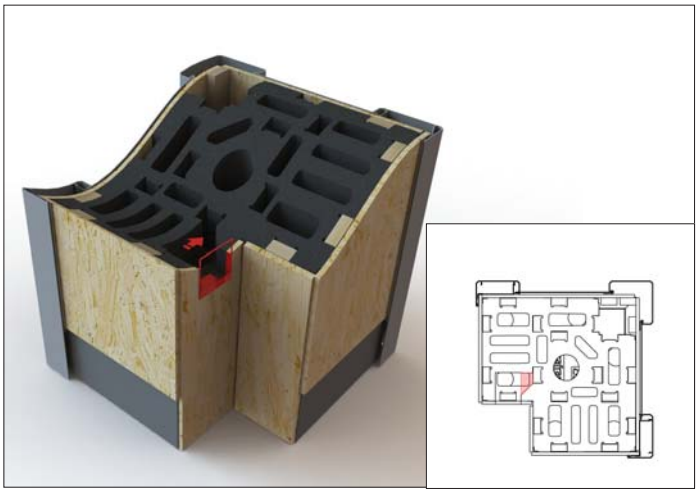
COLUMN WIRING AND CABLE DUCT POSITIONS



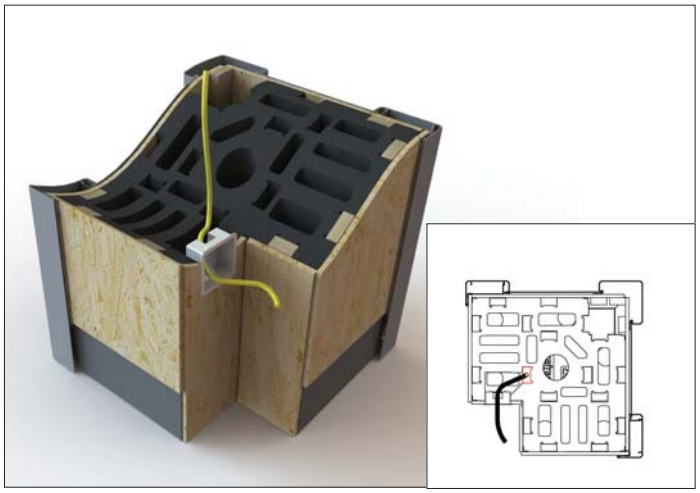
Mark position of back box central to face



Drill and cut through OSB, batten and polystyrene into chamber as shown.

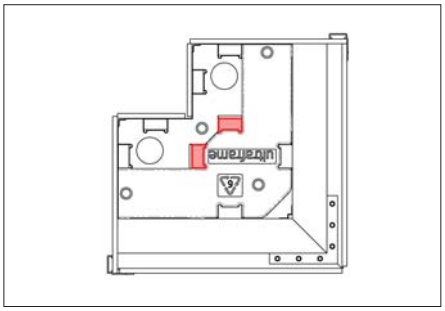


Using fingers or screwdriver, break through polystyrene wall into internal chamber

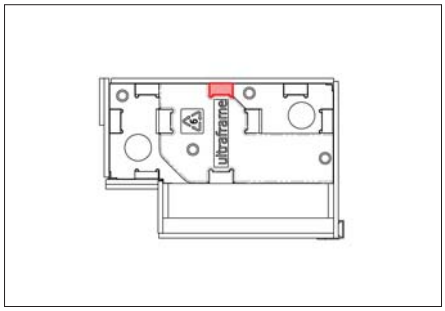


Feed cable down column through chamber shown and out through cutout.

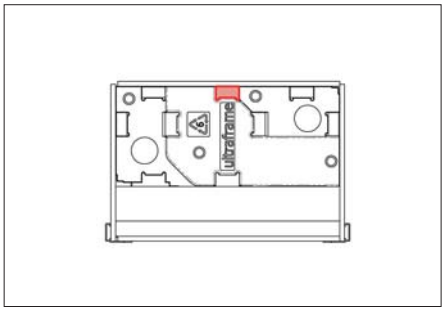
WIRING - POCKET POSITIONS



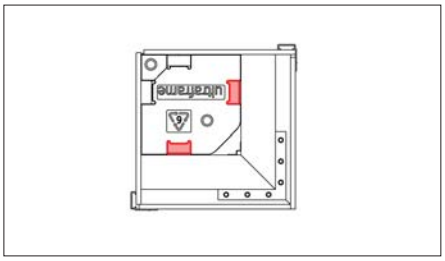
90º Corner column large



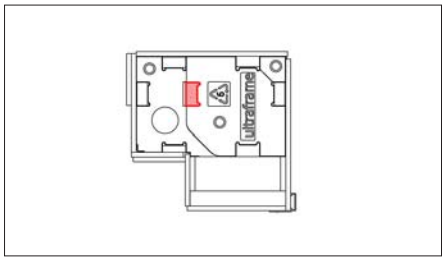
Abutment column large



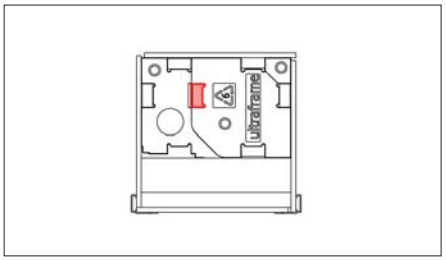
Inline column large



90º Corner column small



Abutment column small



Inline column small

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Transforming light and space

Job No. 2111 LGG003 v1 IW 11/12

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