

DIRECT FIX CLADDING

Recommend this document is used in conjunction with E2/AS1 and WANZ Guide to E2/AS1



Step 1

cut building wrap @ 45° from each corner



NB: These 2 steps ensure only a minimal amount of timber is left exposed at the corners

Step 2

Staple building wrap at edge of sill trim



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Step 3

Prepare the corners for sill tapes

Step 4

Sill tapes, minimum 100mm up at the sill

NB:

Sill Tapes must cover all exposed/raw timber, so some instances may require for more sill tapes

This is more common on larger framing eg 140mm vs 90mm

Ensure you are familiar with the installation recommendations for the product you are using.



Flexible tapes



Rigid tapes



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Step 4a

Sill Tapes, full length along the sill

Step 5

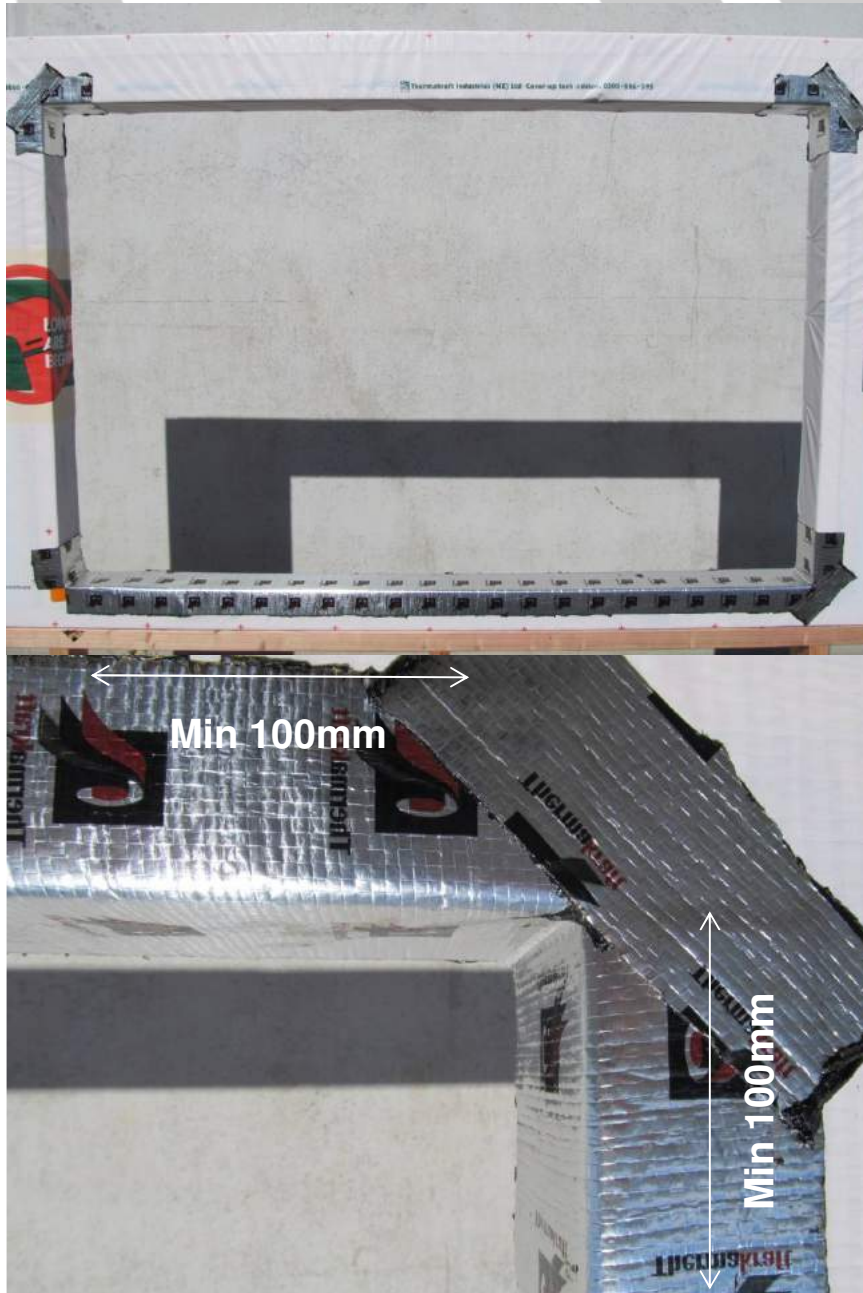
Head tapes, minimum 100mm from each corner

NB:

100mm each end at the head

Tapes must cover all exposed/raw timber, so some instances may require for more sill tapes

This is more common on larger framing eg 140mm vs 90mm



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FAIRVIEW
WINDOWS & DOORS



Step 6

Fit sill support angle full width to suit cladding types

- minimum 3mm thickness
- minimum 50mm vertical leg
- support depth to suit cladding
- 10g x 75mm SS fixings
- Minimum 300mm fixing centres
- All Fixing holes through sill support angle and into sill trimmer must be back filled prior to fixing

NB:

Claddings such as Bevel back weatherboards require sill support

Claddings such as Flat Sheet do not have enough depth to fit a sill support angle

Refer to specific cladding installation detail to see if your cladding needs angle support



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Step 7

Cut Sill Pan to fit into framed/wrapped/taped opening

Step 8

Attach SH012 sill pan end caps cropped and sealed to each end of sill pan

Step 9

Insert Sill Pan into the framed opening

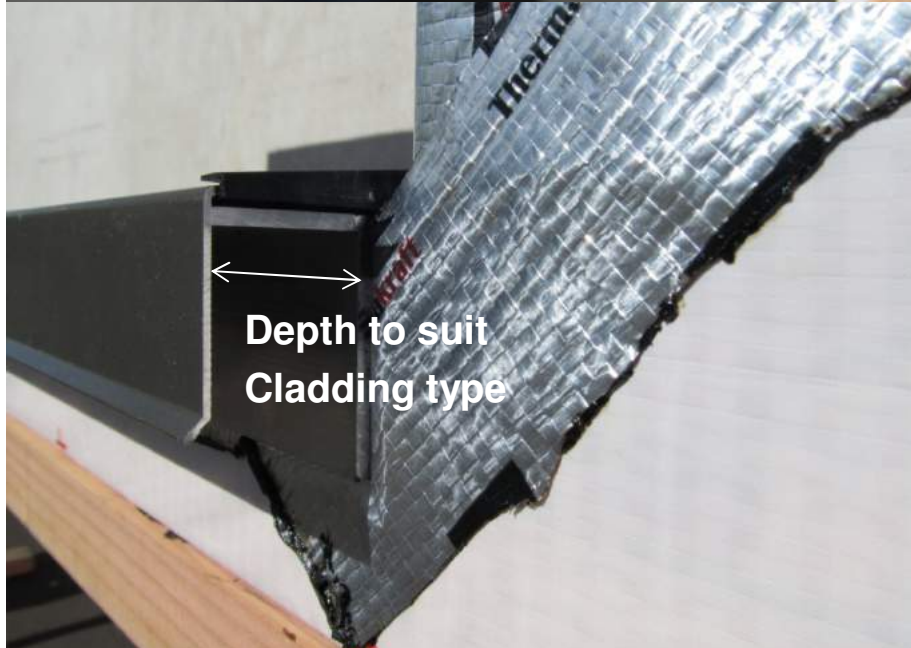
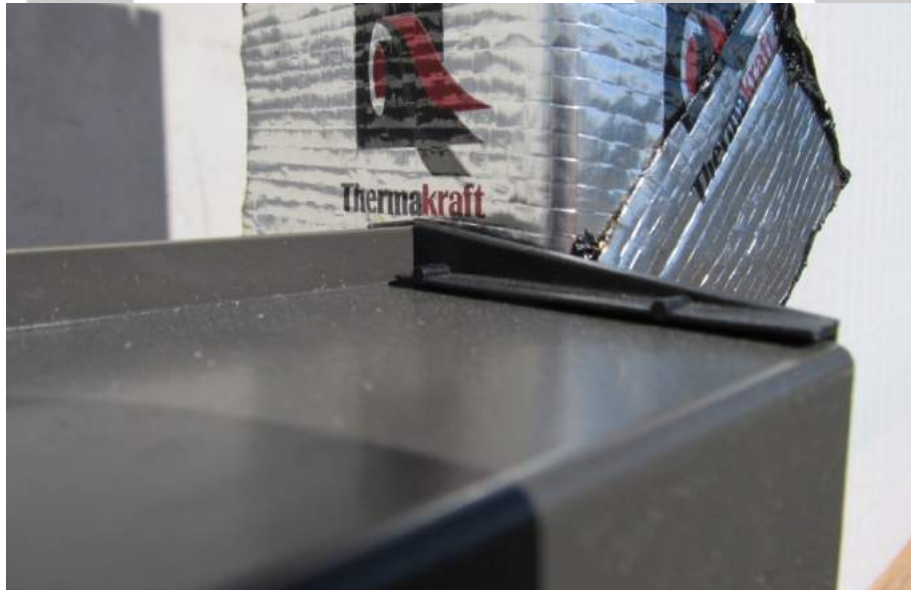
Fix sill pan off using 8g SS fixings

NB:

Finished installation should be tight into horizontal opening

Check there is enough cladding clearance once sill angle, sill pan and end cap have been installed

The cladding depth should fit into the opening between the sill support and the sill pan.



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Step 10

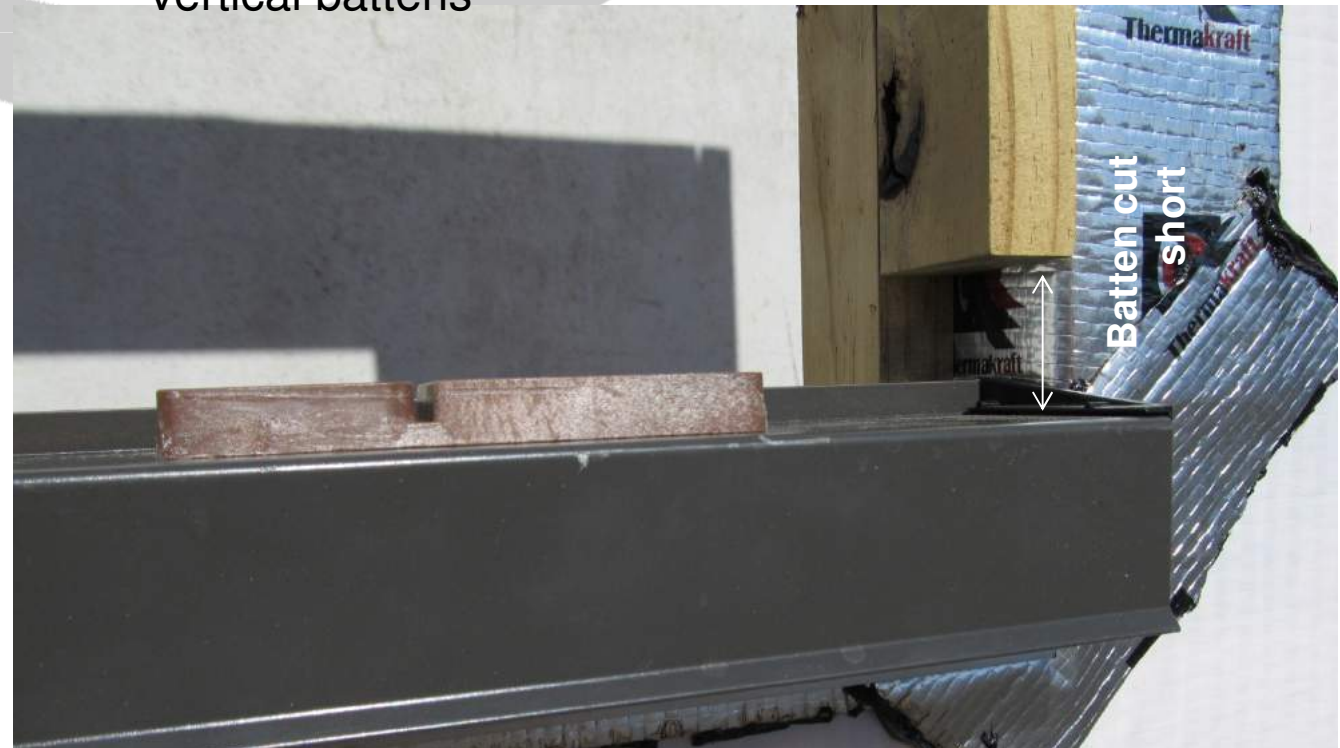
2 x (40mm x 20mm) Vertical Battens Fitted onto taped opening

The batten fitted behind the sill pan runs full height

The batten fitted inline with sill pan is cut 20-35mm short

NB:

All framing sizes/types end up with a gap between the 2 vertical battens



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Step 11

Position 10mm support blocks approx 90mm from framed opening/cut end of sill pan

Further packers required on the sill pan at mullion points also.

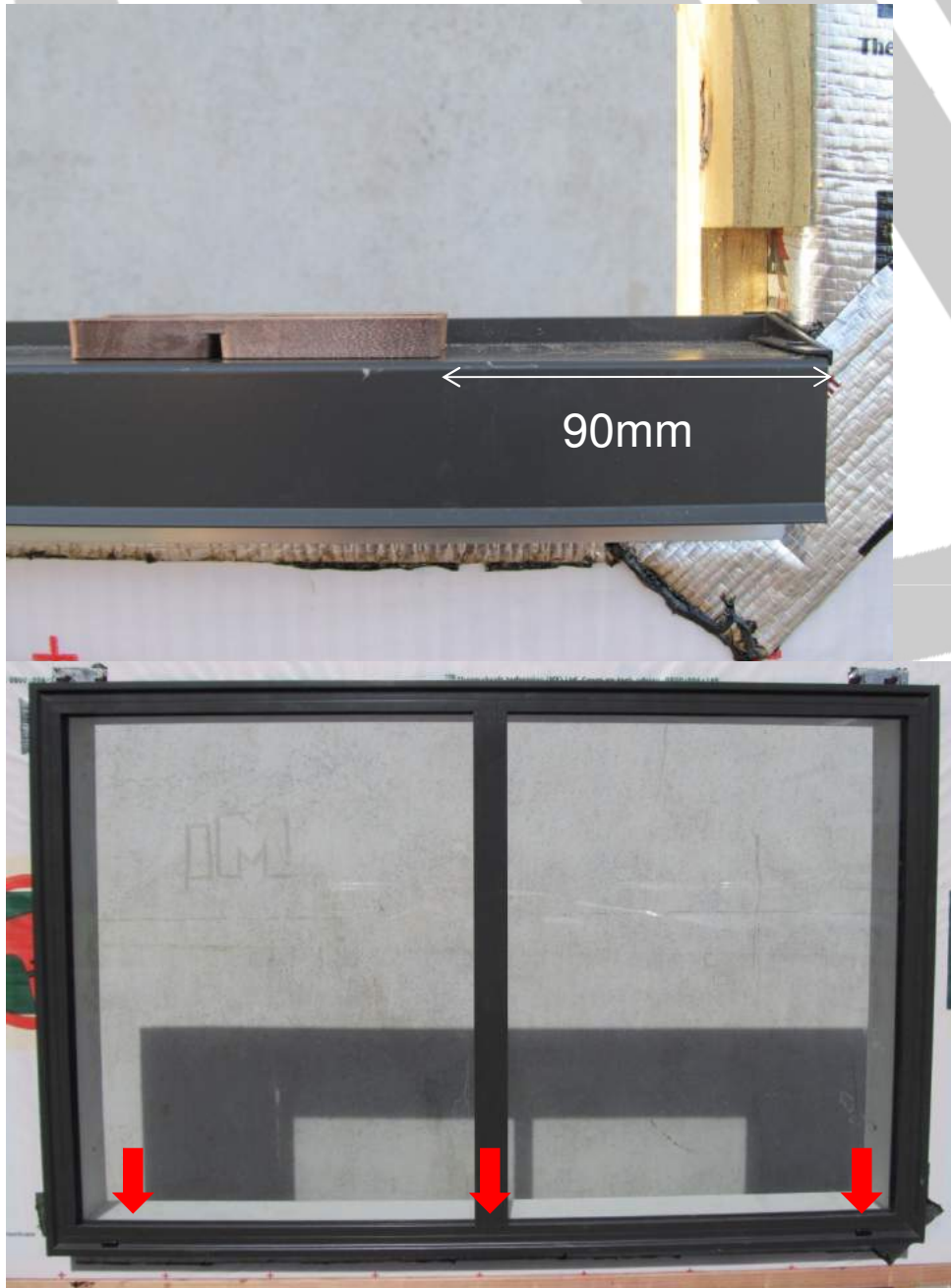
NB:

The red arrows indicate roughly where support blocks and packers should be for this specific unit configuration

Before placing these packers it is recommended to inspect the window unit to identify the locations of all support blocks under the frame.

Support blocks & packers are critical to ensure the window load is transferred onto the sill framing

If these support blocks & packers are not in position, the unit will sag and create failure points in the joinery.



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FAIRVIEW
WINDOWS & DOORS



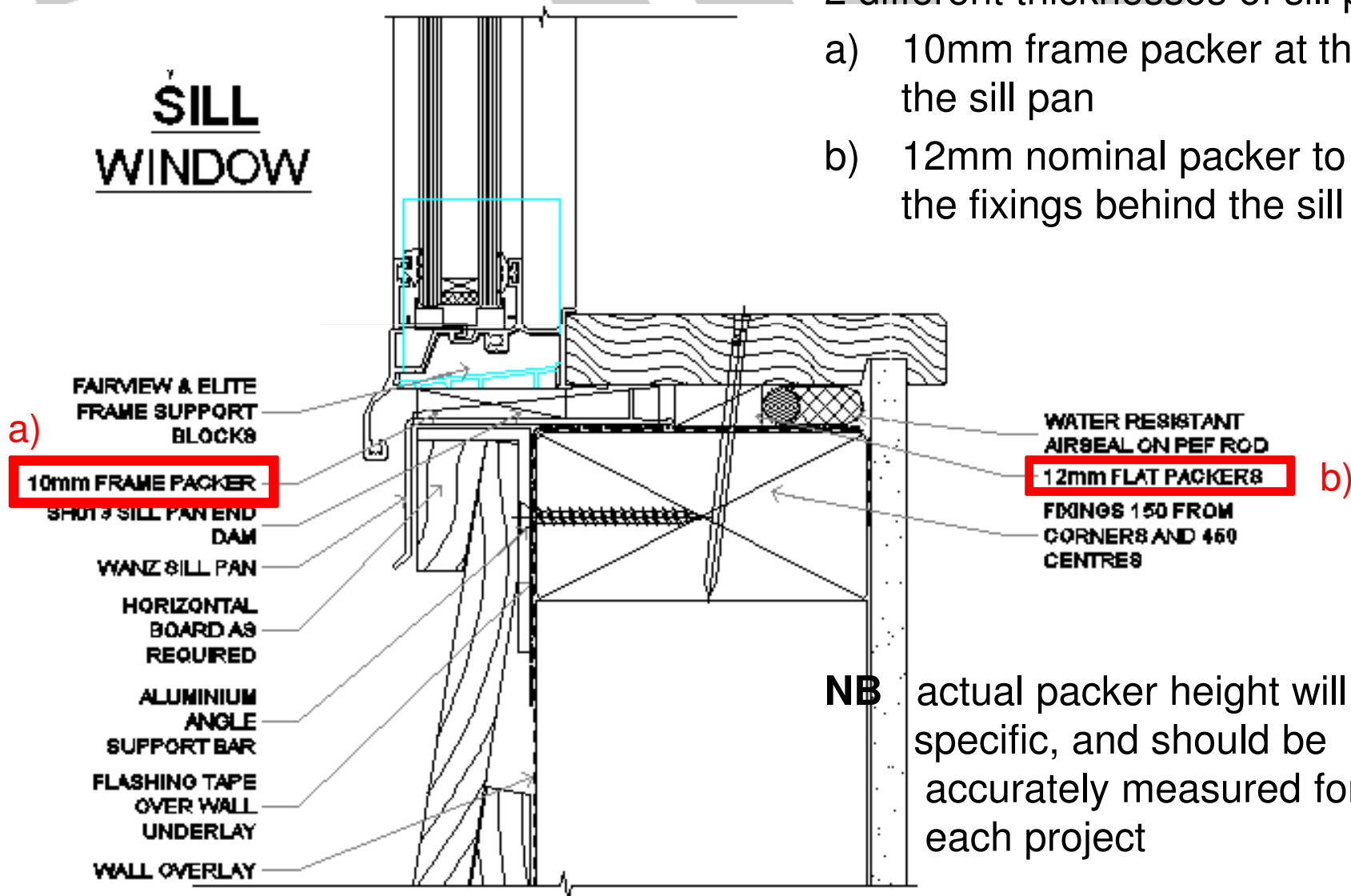
Step 11a

Direct Fix installations have

2 different thicknesses of sill packers

- a) 10mm frame packer at the front of the sill pan
- b) 12mm nominal packer to support the fixings behind the sill pan

SILL WINDOW



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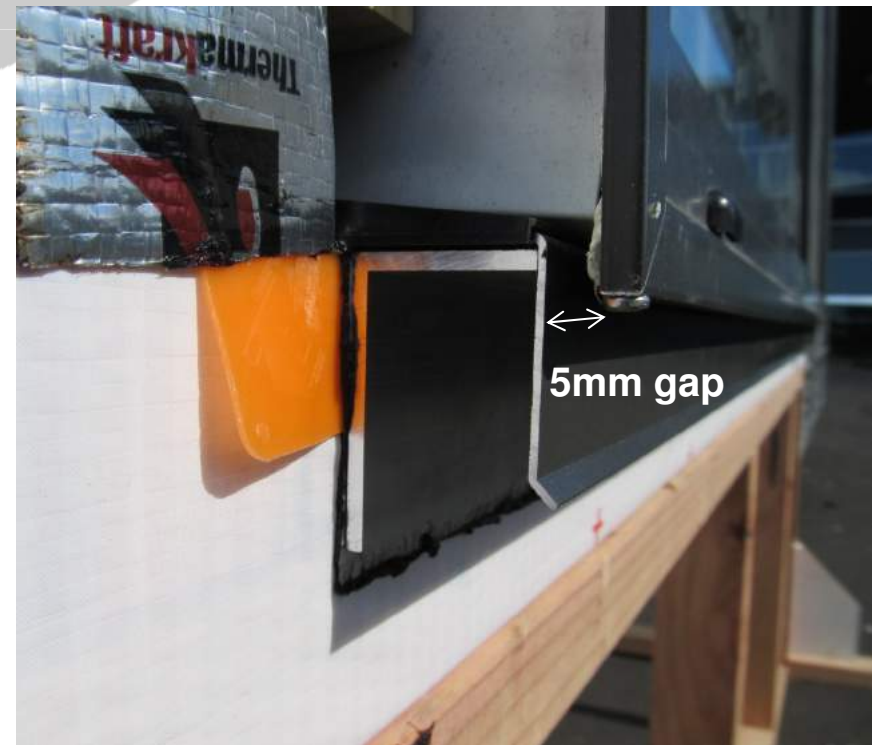
Step 12

Insert the aluminium joinery unit into the opening

NB

When installed the unit must have a 5mm gap between the sill pan and window flange

Failure to leave the 5mm gap stops water draining from the sill pan adequately and can create failures due to lack of air flow around trim cavity



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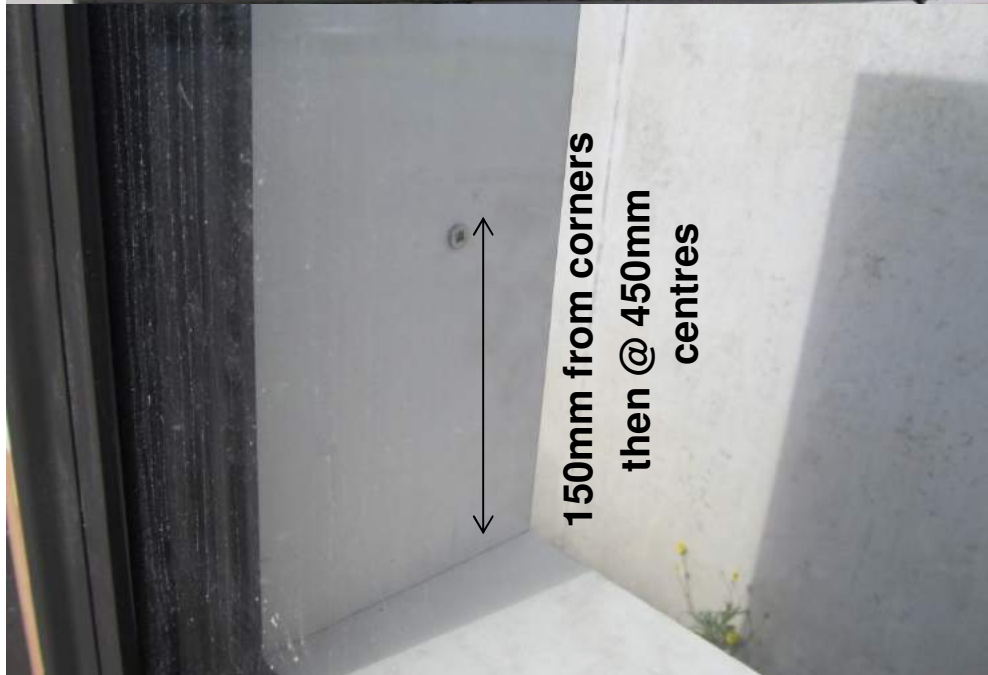
Step 13

Fix aluminium joinery into position

- Fixings to be min 2 x 65mm jolt head nail or 8g x 75mm SS screw
- 150mm from corners
- 450mm centres thereafter

NB

each fixing point to be packed



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Step 14

Fit Head Flashing

Step 15

Fit Head Flashing Tape over head flashing

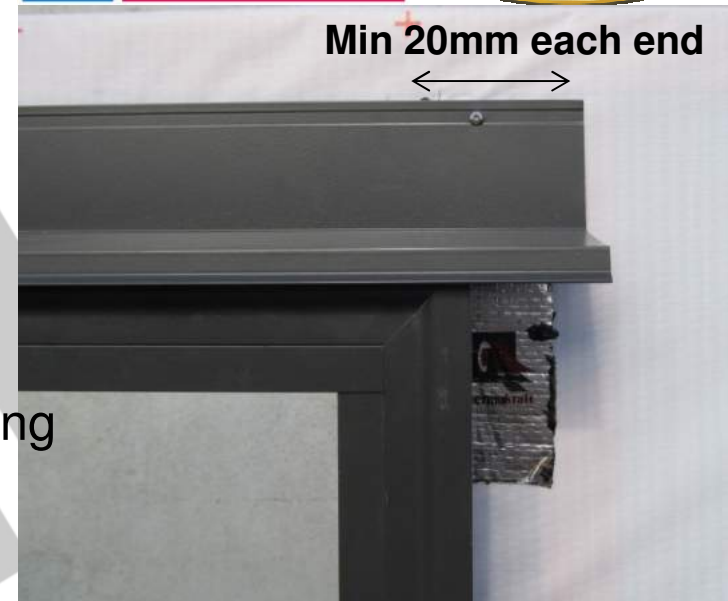
Minimum 35mm overhang on flashing and
50mm overhand on building under lay

NB:

Minimum 20mm overhang each end of joinery

Alternative to head flashing tapes is another
layer of under lay from above taken from
next overlap

No end caps required on head flashing for
Direct Fix Claddings



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FAIRVIEW
WINDOWS & DOORS



Step 16

All 4 sides Air seal into minimum 5mm gap at jamb and head

Direct Fix Claddings will have a minimum 12mm gap at sill

PEF rod to be used

NB:

PEF Rod ensures the foam does not fill the trim cavity, this is bad practice and can cause failures

Low expansion foam recommended to ensure controlled application of internal airseal

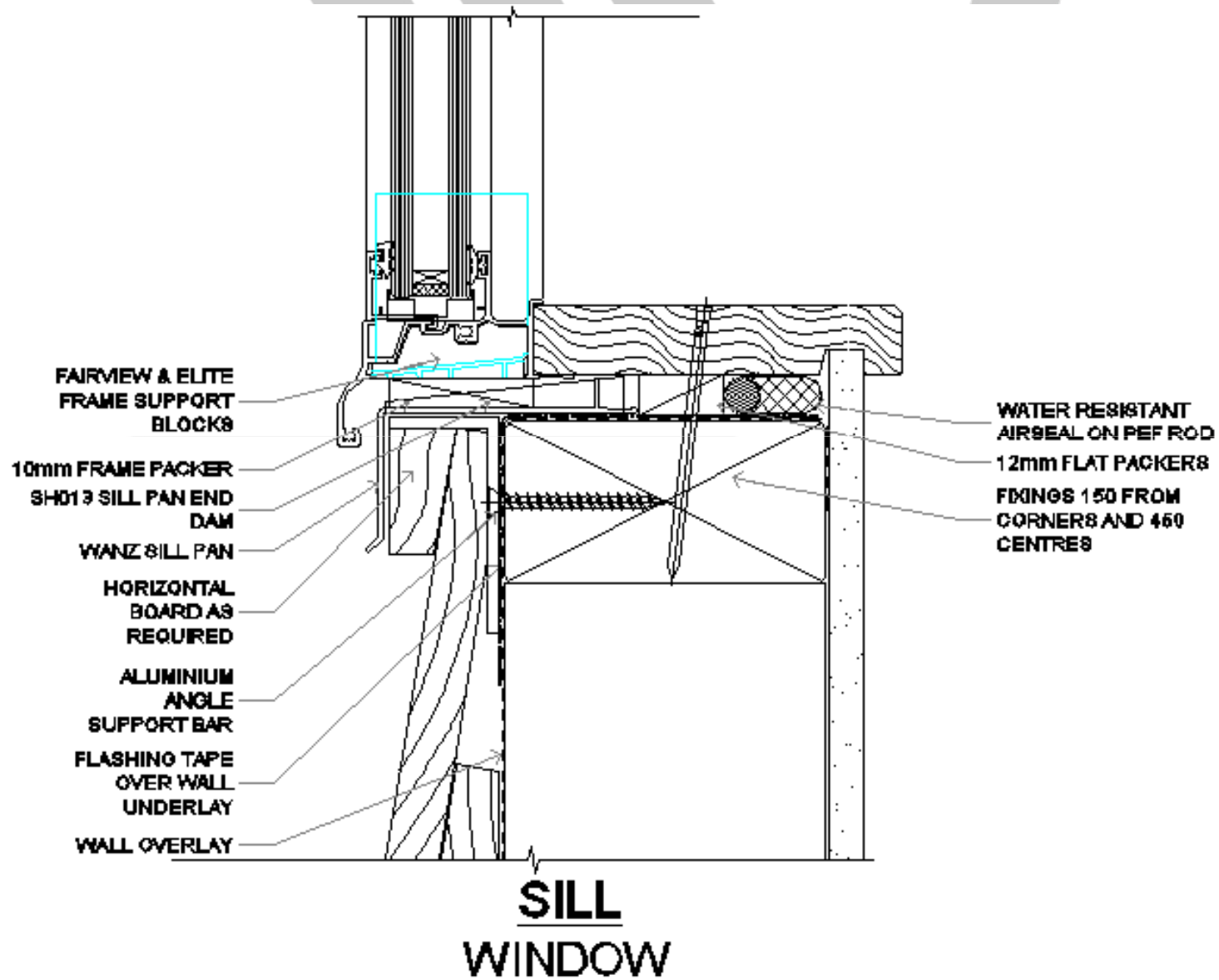


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WINDOWS & DOORS

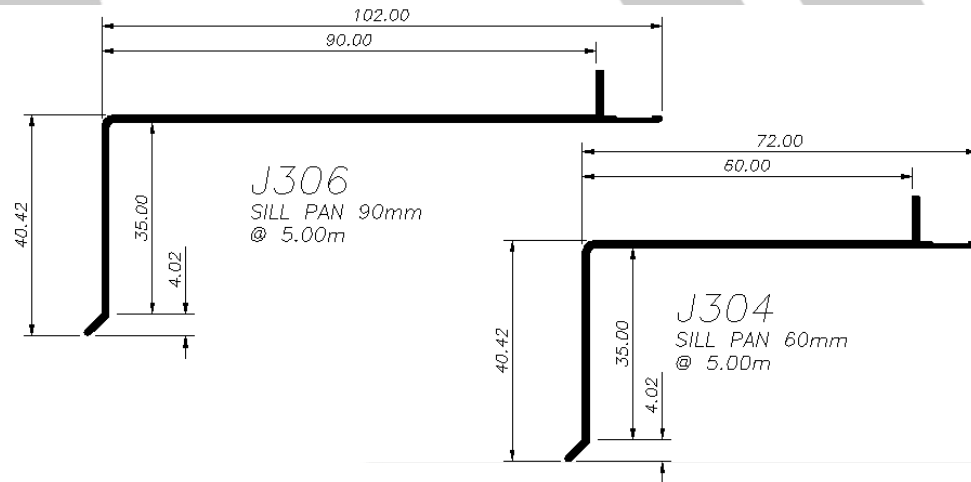


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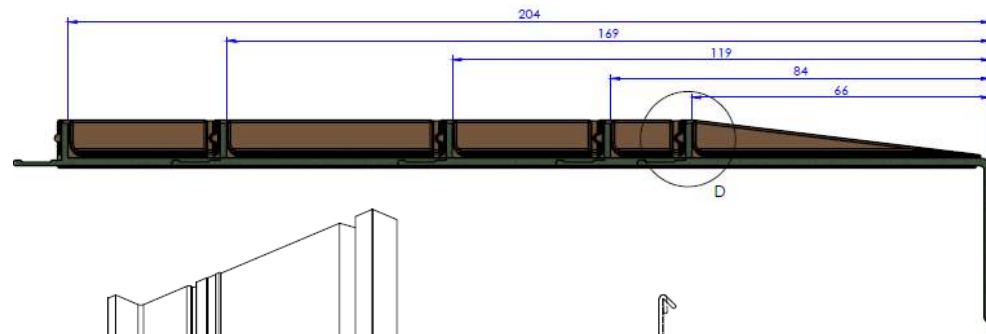


DIRECT FIX COMPONENTS

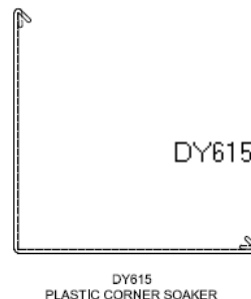
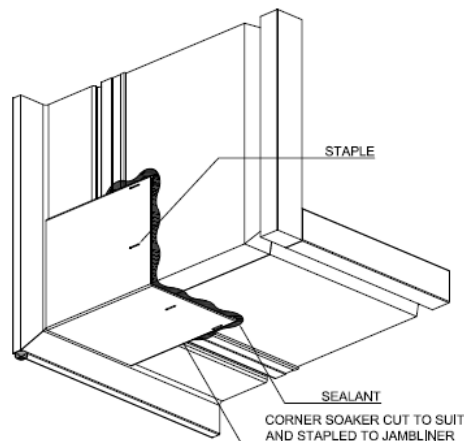


Support Blocks

MO254B	Support Block A003, A004 (Pair)
MO250B	Condensation Tray A003 (Pair)
MO251B	Condensation Tray A004 (Pair)
MO253B	Condensation Tray Centre A004
MO257B	Condensation Tray Centre A003



SH013 WANZ E2 Cill Pan End Cap (pair)



DY615 Plastic Corner Soaker

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JOINERY MAINTENANCE

GLASS cleaning use pH neutral detergent with grit free squeegee, if specialty glass installed take extra care and contact your supplier for additional instructions.

POWDERCOAT & ANODISED SURFACES, should be kept free of splashes, spills, plaster and textured coatings. Full clean 6 monthly with pH neutral detergent, and do not use abrasives. Keep away from chemical cleaners which will not show damage for months.

HANDLES, CATCHES, LOCKS, STAYS AND OPERATORS, use pH neutral detergents not spray cleaners which contain chemicals. Do not oil keyways of locks. Monitor for corrosion
Hinges, use pH neutral detergent, wash at same times as frames, check for wear, and tighten screws as required.

GASKETS & WEDGES, check gaskets quarterly, replace gaskets & wedges that appear to have shrunk, ripped or torn. Discoloured gaskets can indicate incorrect cleaners have been used.

FINSEAL, WEATHER PILES & WEATHERSTRIPPING, these are fluffy carpet like strips of airseal. These are subject to wear from friction of sliding panels replacement will be required over time.

DRAINAGE SLOTS & HOLES are important to functionality in wet weather. Do not permit painters and other maintenance crew to fill or seal these. Check insects, sand, and other debris are not clogging drain holes.

SLIDING, STACKING & BIFOLD **DOOR ADDITIONAL MAINTENANCE**



Keep dirt, sand and debris from building up in the sill and track areas by vacuuming regularly, and before each wash.

If the door is not sliding smoothly, adjustment is available for sliding & stacking door rollers, refer diagram below



Roller adjustment holes at each end of panel



Each roller should be adjusted Separately to even out the panel

Most door rollers can be adjusted with a screwdriver through access holes in either the end or side of the sliding panel at the bottom. Be sure to lift the panel to take the weight off of the roller during roller adjustment. Refer to pictures and instructions below.



Lock Striker adjustment

After making roller adjustments, it may be necessary to also make adjustments in the lock strike placement. Most strikes may be adjusted by loosening screw fasteners, moving strike plate and retightening. Check for proper lock operation.



Striker cover removal



Striker adjustment