SIPS WALL FRAMING 45mm CAVITY 9mm SHEET CLADDING

AMBIANCE

Inline Window Systems

S 1	R	K	E

F1	FLASHINGS
A1-G-60	FIXED-LITE WINDOW
A2-G-60	AWNING OPEN OUT WINDOW
A3-G-60	OPEN-IN / TILT & TURN WINDOW
A4-G-60	SLIDING WINDOW
B1-G-60	TIMBER FLOOR NON REBATED - FULL HEIGHT FIXED-LITE
B2-G-60	TIMBER FLOOR NON REBATED - HINGED DOOR OPEN OUT
B3-G-60	TIMBER FLOOR NON REBATED - HINGED DOOR OPEN IN
B4-G-60	TIMBER FLOOR NON REBATED - SLIDING DOOR
B5-G-60	TIMBER FLOOR NON REBATED - STACKER DOOR
B6-G-60	TIMBER FLOOR NON REBATED - LOW PROFILE HINGED DOOR OPEN OUT
B7-G-60	TIMBER FLOOR NON REBATED - LOW PROFILE HINGED DOOR OPEN IN
E1-G-60	CONCRETE GND FLOOR NON REBATED - FULL HEIGHT FIXED-LITE
E2-G-60	CONCRETE GND FLOOR NON REBATED - HINGED DOOR OPEN OUT
E3-G-60	CONCRETE GND FLOOR NON REBATED - HINGED DOOR OPEN IN
E4-G-60	CONCRETE GND FLOOR NON REBATED - SLIDING DOOR
E5-G-60	CONCRETE GND FLOOR NON REBATED - STACKER DOOR
E6-G-60	CONCRETE GND FLOOR NON REBATED - LOW PROFILE HINGED DOOR OPEN OUT
E7-G-60	CONCRETE GND FLOOR NON REBATED - LOW PROFILE HINGED DOOR OPEN IN



interactive assembly

http://wksp.nz/sg-wfl-w70

Opening Preparation

The preparation of the wall opening prior to the installation of the window or door is essentially the same regardless of cladding option. The following offers a step by step guide to the process.

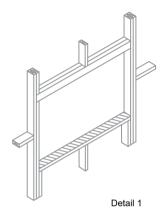
Step P1 – Preliminary Check

Before proceeding with the installation and preparation of the wall underlay, the

installer should examine and confirm that the sill trimmer is essentially level, straight and free of twist. It is particularly important that it is well secured and does not slope toward the interior of the building.

If necessary, the sill trimmer should be planed to ensure it does not exhibit any of the above conditions.

The sill trimmer must be designed to comply with NZS3604.



Note: Projects within the new Extra High wind zone require the use of a Rigid Underlay in addition to and underneath a flexible wall underlay, except as noted in the attached comment.

This needs to be considered when sizing the windows.

9.1.7.2 Rigid wall underlays, in association with drained cavities (including direct fixed corrugated profile metal) are required in Extra High wind zones. Refer to Table 3 and Table 23. Rigid underlays are also required to external walls of attached garages that are unlined. Refer Paragraphs 1.1.1 & 9.1.3.4 c).

Rigid *wall underlays* shall be in accordance with Table 23, and shall:

- Be minimum 7mm plywood, or 6mm fibre cement sheet
- b) Be installed with sheet edges fixed over solid framing
- c) Be over-fixed with a flexible wall underlay from Table 23 and installed as in Paragraph 9.1.7.1

COMMENT:

Some proprietary systems may not require the addition of a flexible *underlay*

Step P2 – Cut the Underlay

Clause 9.1.5 a) describes the application of a flexible wall underlay.

Amend 5
Aug 2011

9.1.5 Wall underlays to wall openings

Prior to window or door installation:

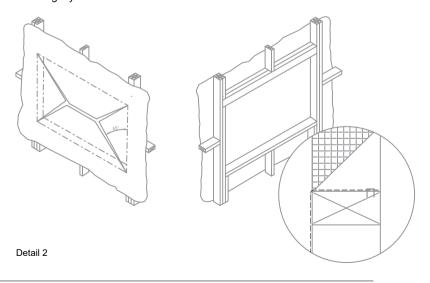
Flexible wall underlay shall be cut and dressed into all sides of openings as per Figure 72A and B,

1 November 2017

To achieve this, follow these steps;

- a. Cut the building underlay at 45° away from each corner.
- Fold the flaps tightly into the opening and secure to the framing on all sides.
- c. Trim off excess underlay after fixing.

Note: Figures 72A & 72B do not show the inner extent of the flexible wall underlay. The industry trend has been to cut this off at the inner corner of the framing as wrapping around sometimes interferes with the internal linings. Ensure the underlay is fixed tightly to the framework.



Step P3 – Flexible Flashing Tape

After ensuring the flashing tape to be used meets the criteria set out in Clause 9.1.5 b), follow these steps to satisfy the clause:

 a. Cut the flashing tape for the sill at least 200mm wider than the opening.

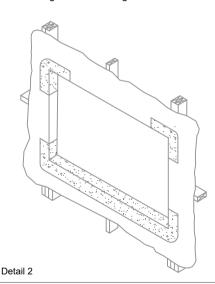
- b) Flexible flashing tape shall be applied to head and sill framing as shown in Figures 72A and 72B. Flexible flashing tape shall:
- i) Comply with parts 3.2 and 4 of ICBO
 Acceptance Criteria AC148, and
 ii) be compatible with the wall underlay

COMMENT:

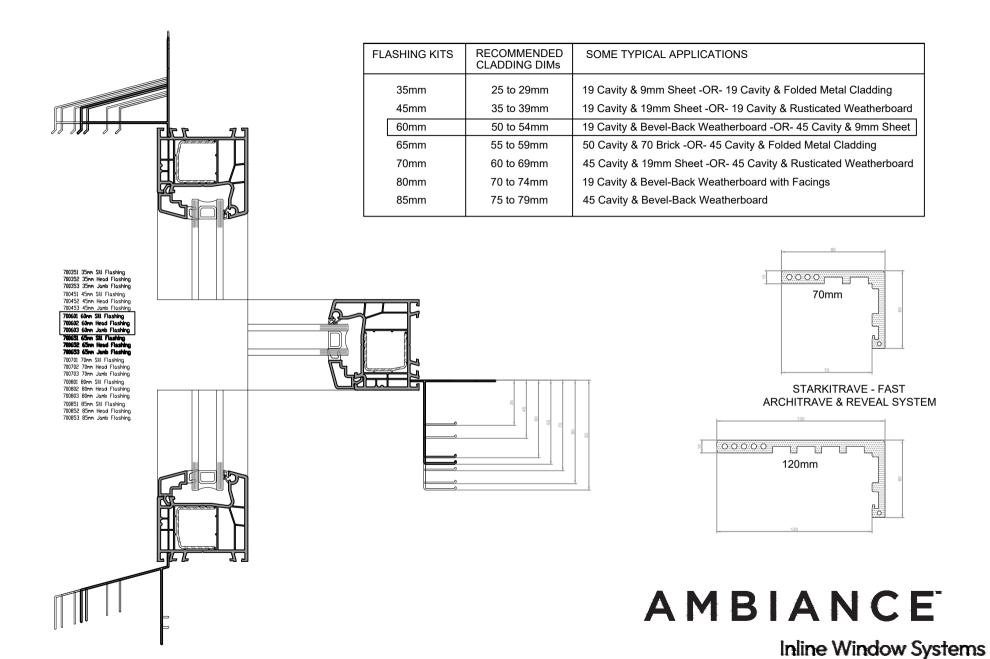
Amend 5 | Dressing the wall underlay around the framing timber and providing a flexible air seal limits airflow around the window reveal

The flexible flashing tape keeps any water that does get past the cladding, or through the joinery, from direct contact with the timber.

- b. Fit the tape, as described in the manufacturers literature, with the inner edge of the tape flush with the inside line of the framing, so that it extends a minimum of 100mm up each jamb ensuring timber framing is covered.
- c. Ensure the tape is securely adhered to the underlay on all surfaces and fits tightly into each of the corners.
- d. Cut two more pieces of tape at least 200mm long and fit into each of the upper corners as described above ensuring timber framing is covered.



Note: Ensure all exposed timber is covered, particularily in the corners. This may mean the tape has to extend further than nominated.

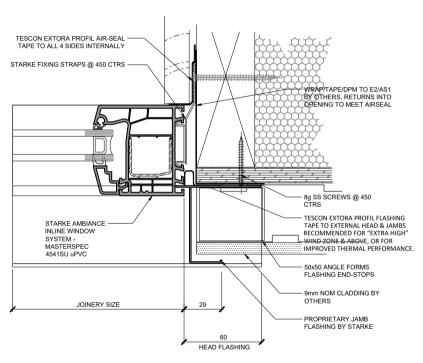


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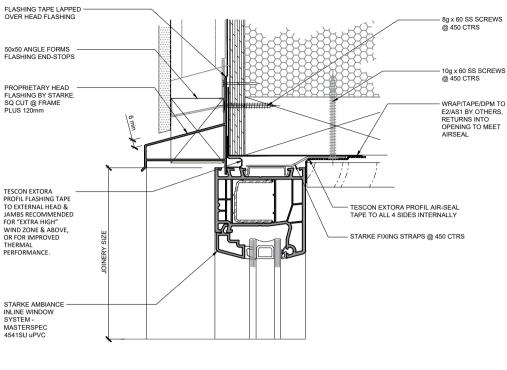
Fixed Lite

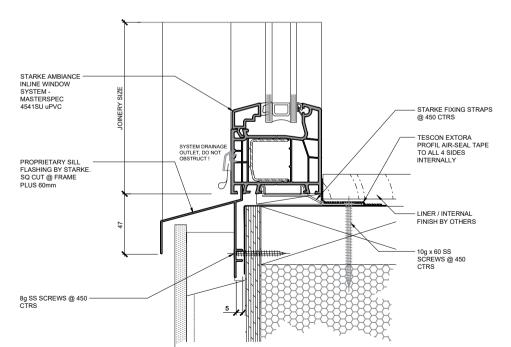
NO PEF ROD, FOAM OR WET SEALANT REQUIRED. AIR-TIGHTNESS IS PROVIDED BY AIR-SEAL TAPE



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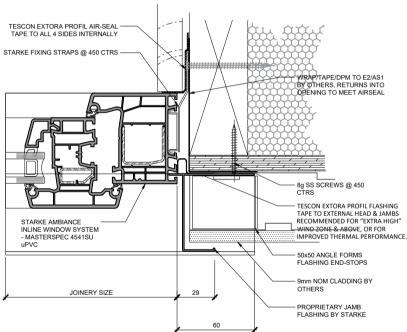


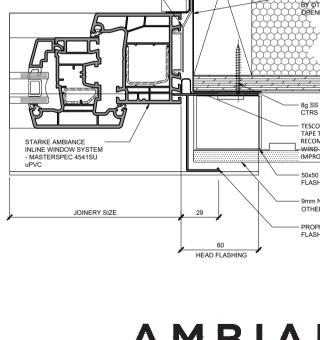




Awning open out

NO PEF ROD. FOAM OR WET SEALANT REQUIRED. AIR-TIGHTNESS IS PROVIDED BY AIR-SEAL TAPE

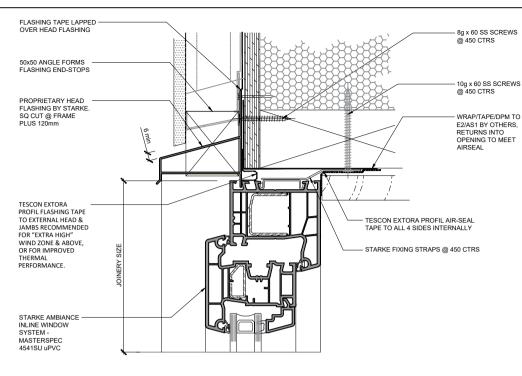


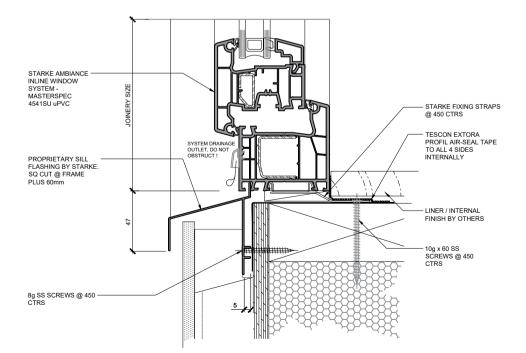


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Inline Window Systems





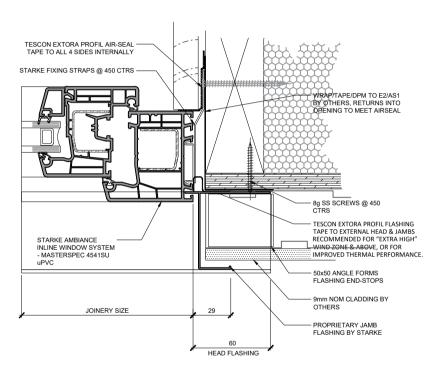


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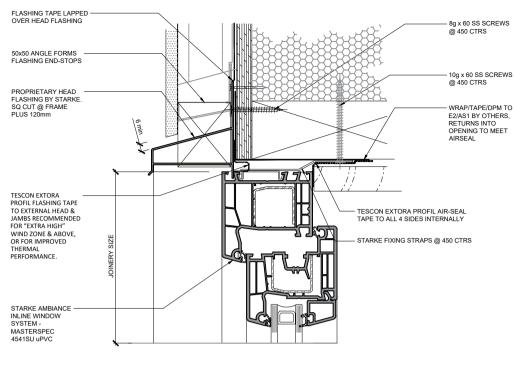
Open in / Tilt & Turn

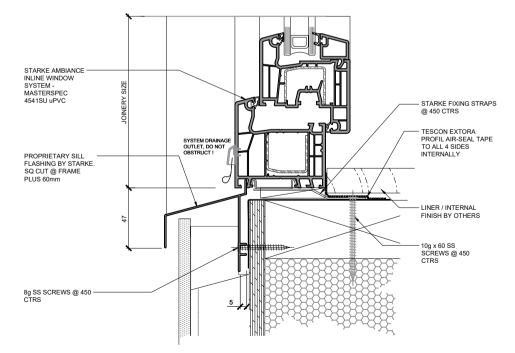
NO PEF ROD, FOAM OR WET SEALANT REQUIRED. AIR-TIGHTNESS IS PROVIDED BY AIR-SEAL TAPE



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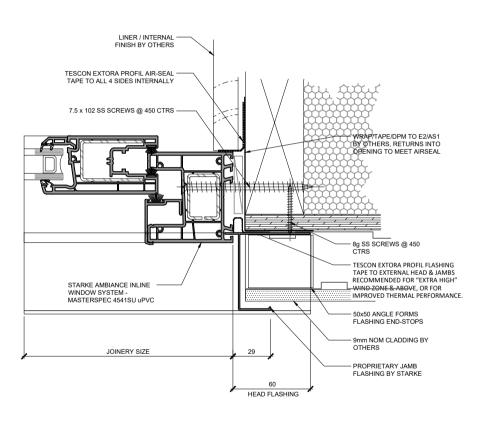






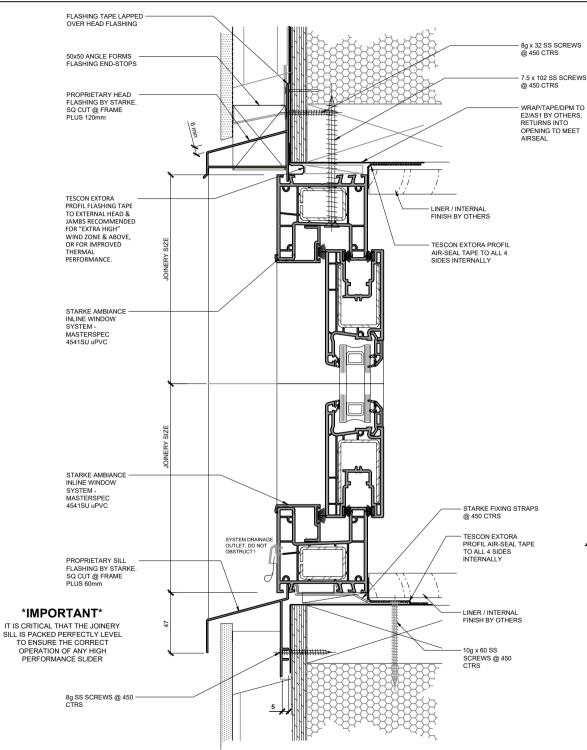
Sliding Window

NO PEF ROD, FOAM OR WET SEALANT REQUIRED. AIR-TIGHTNESS IS PROVIDED BY AIR-SEAL TAPE



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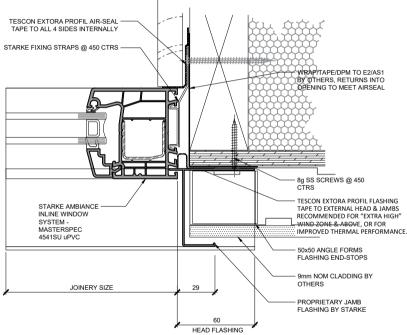






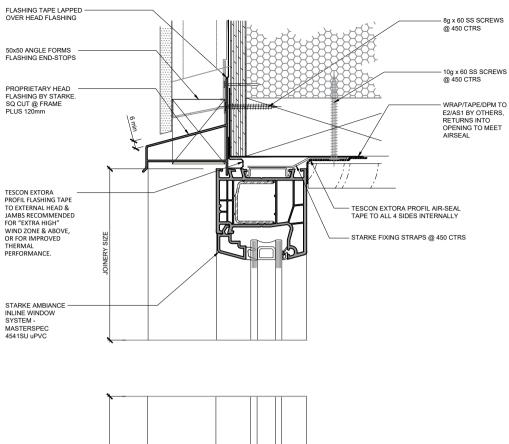
Fixed Lite

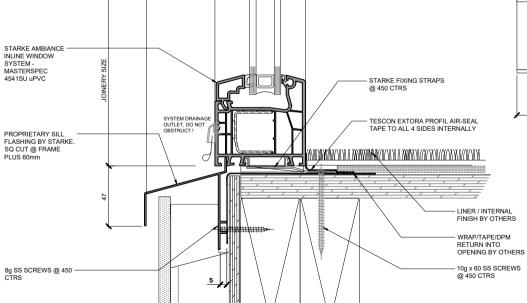
NO PEF ROD, FOAM OR WET SEALANT REQUIRED. AIR-TIGHTNESS IS PROVIDED BY AIR-SEAL TAPE

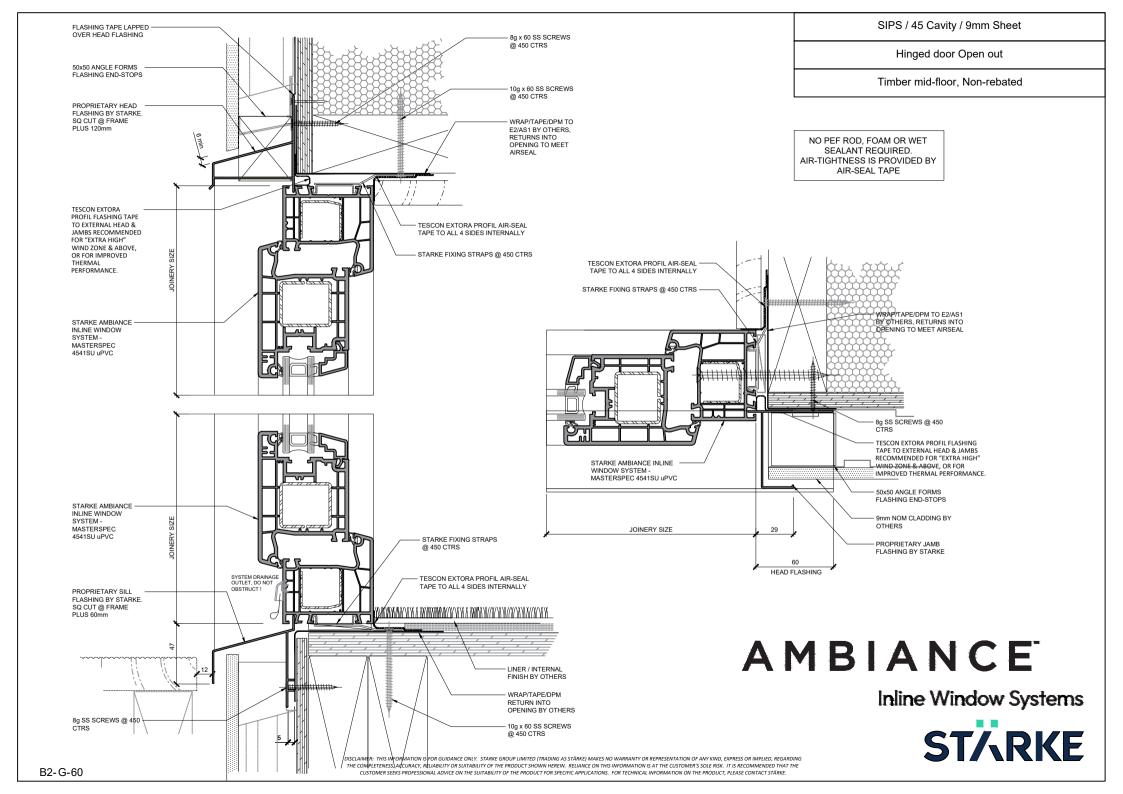


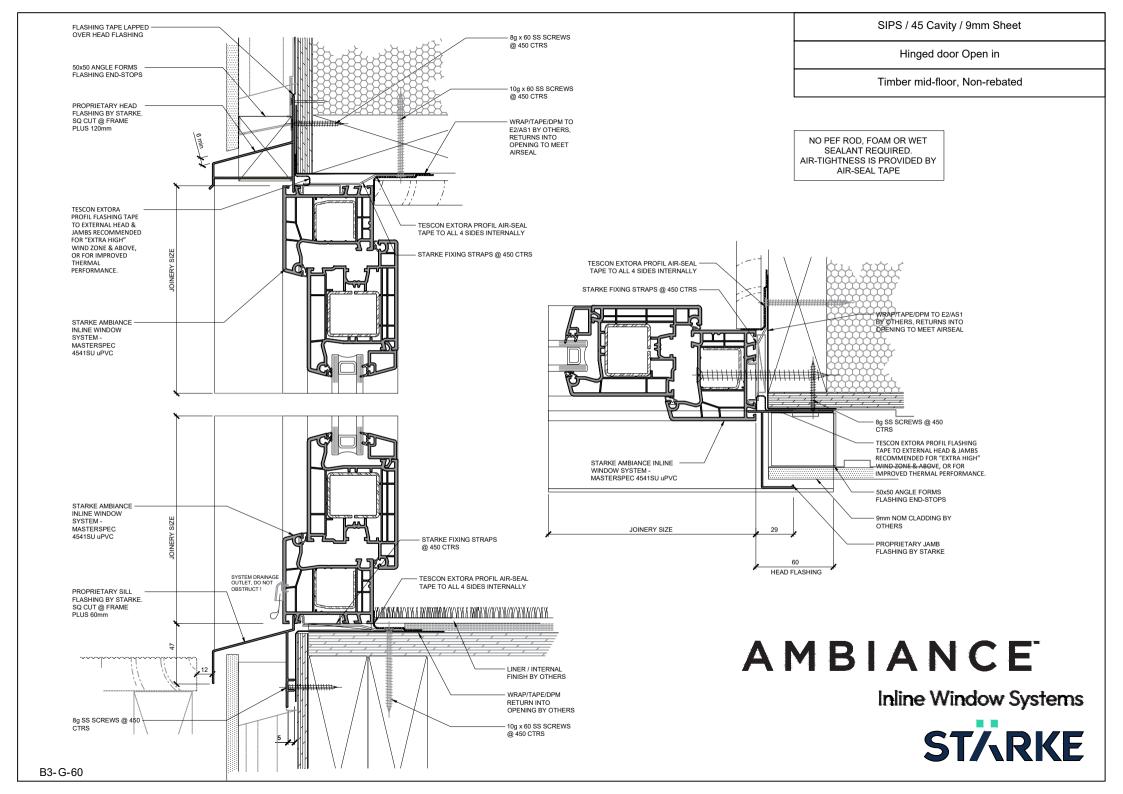
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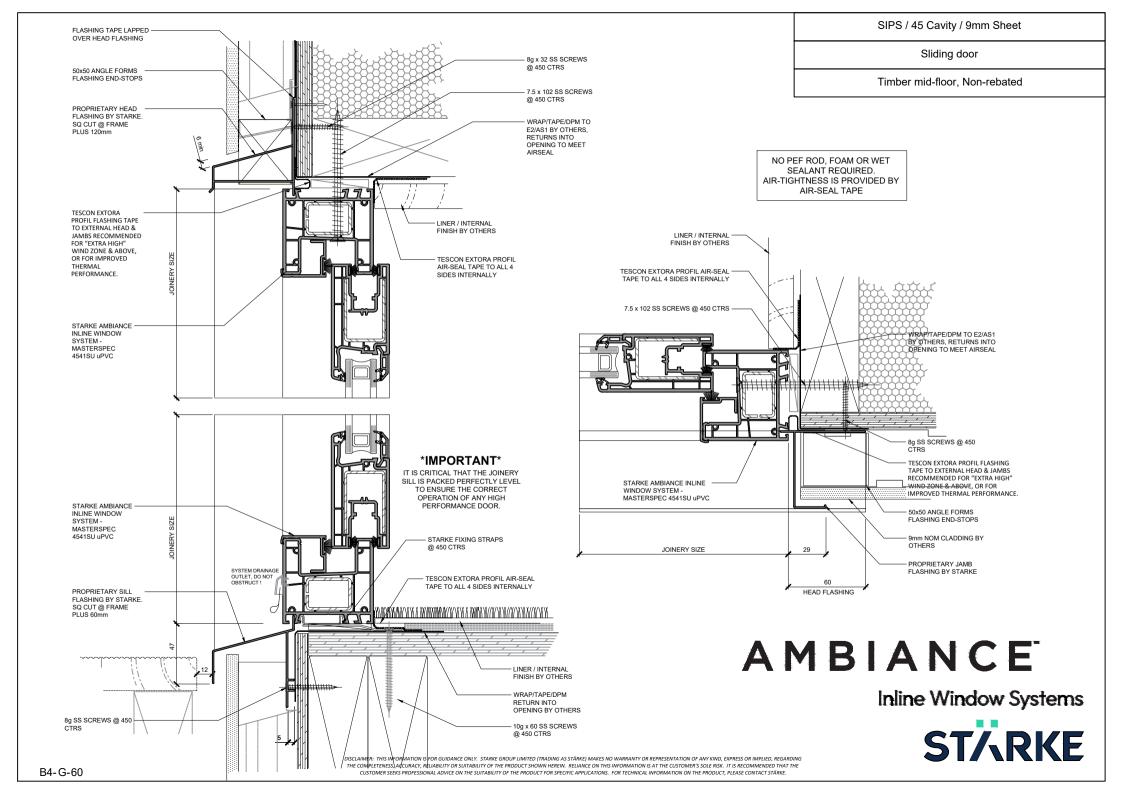


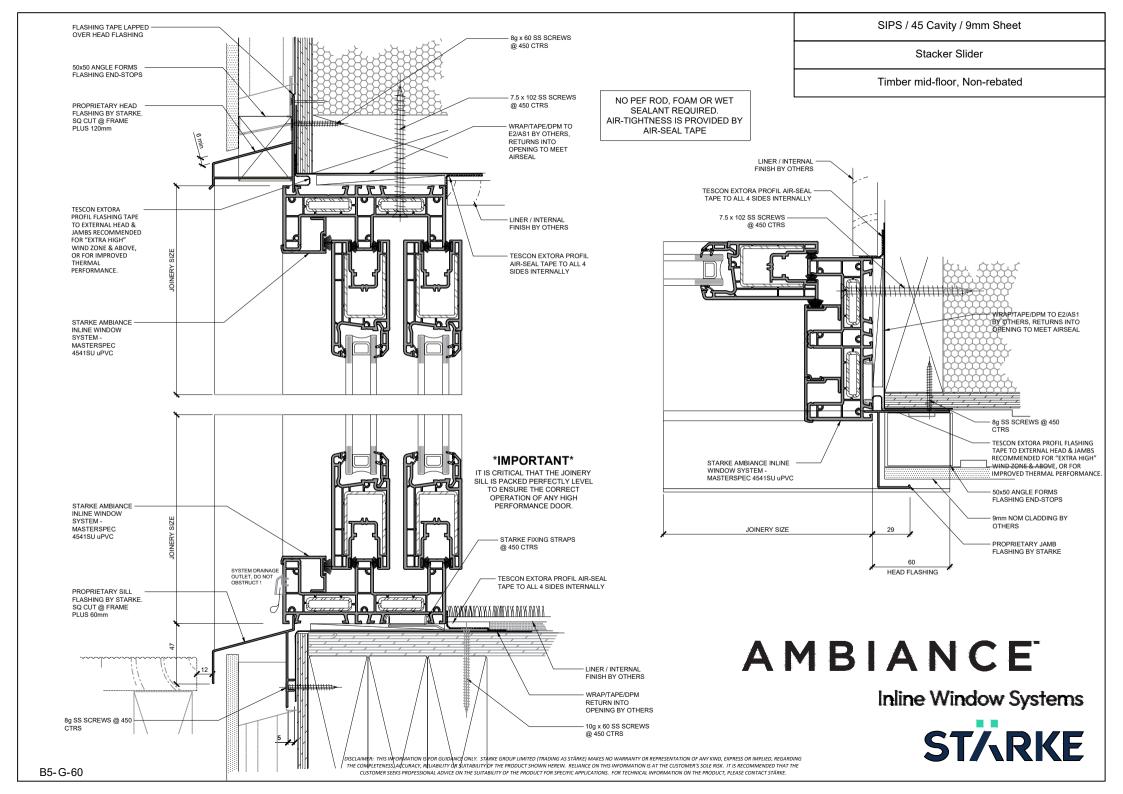


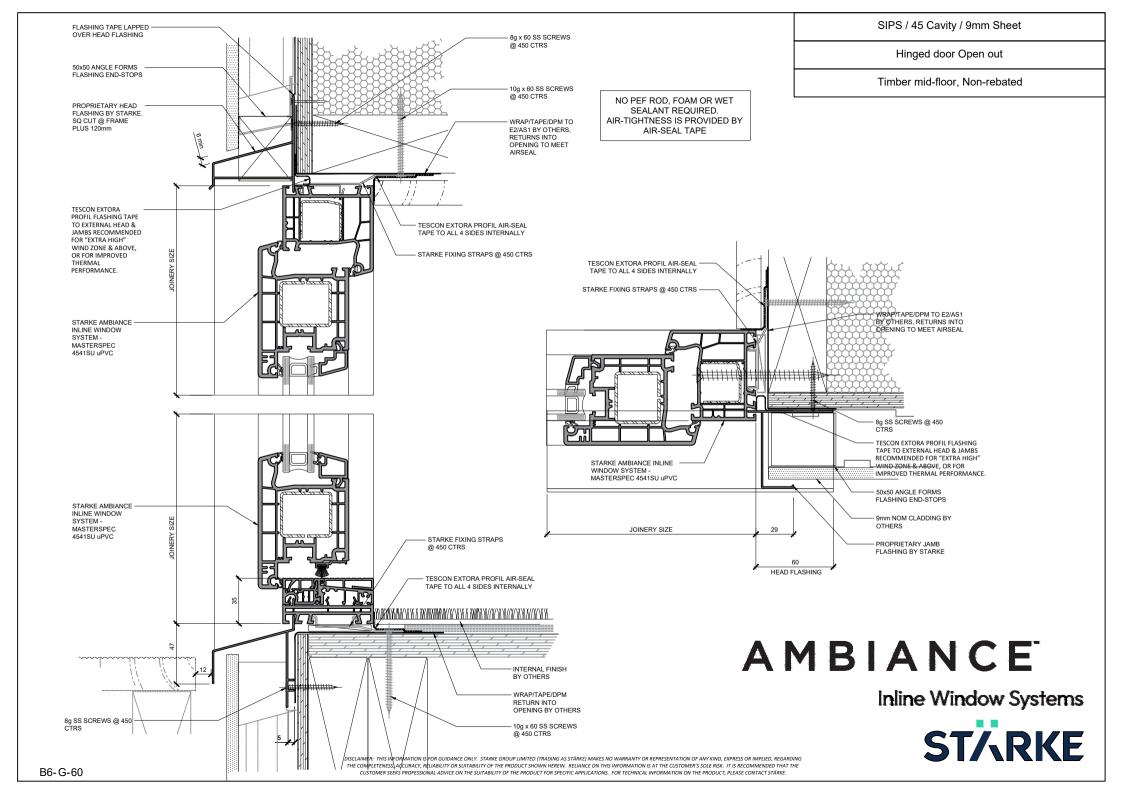


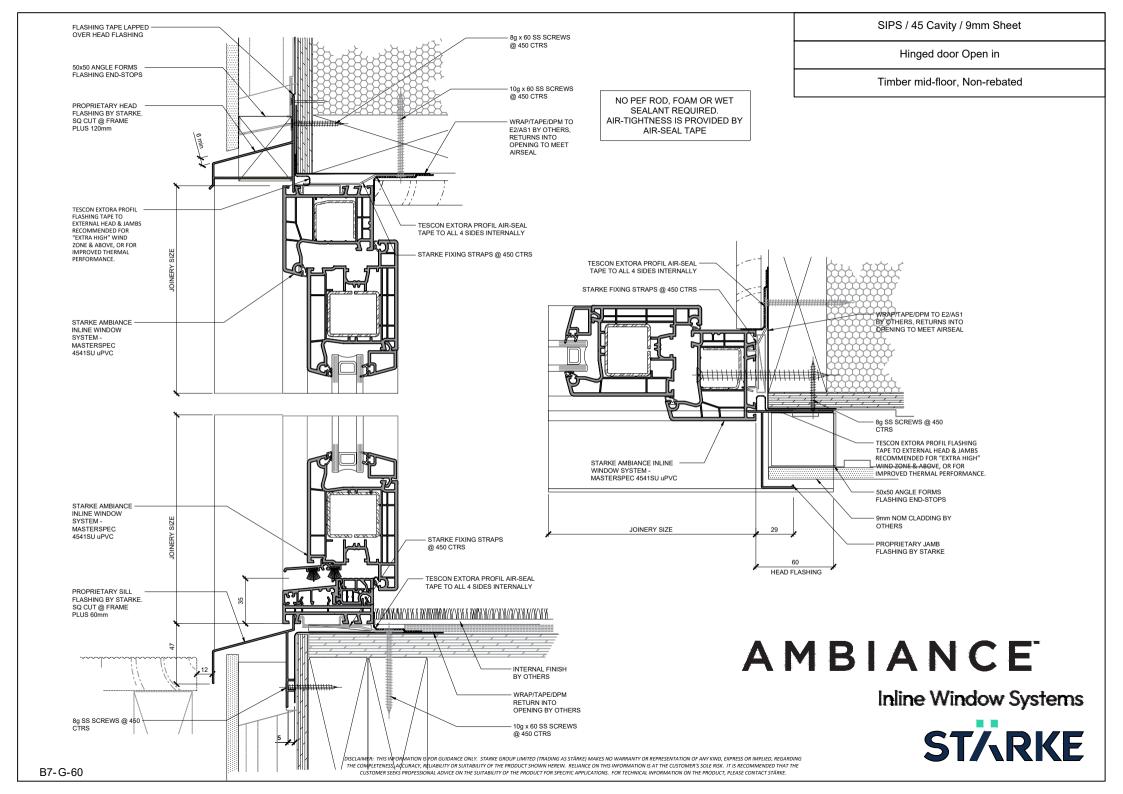


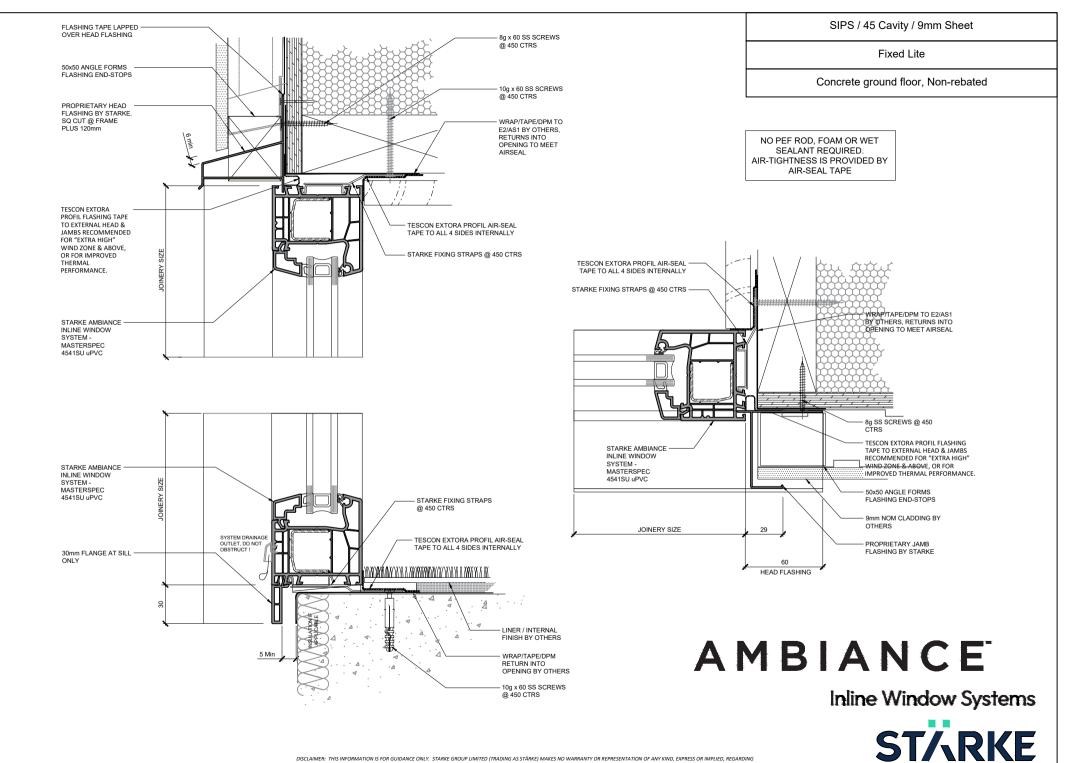




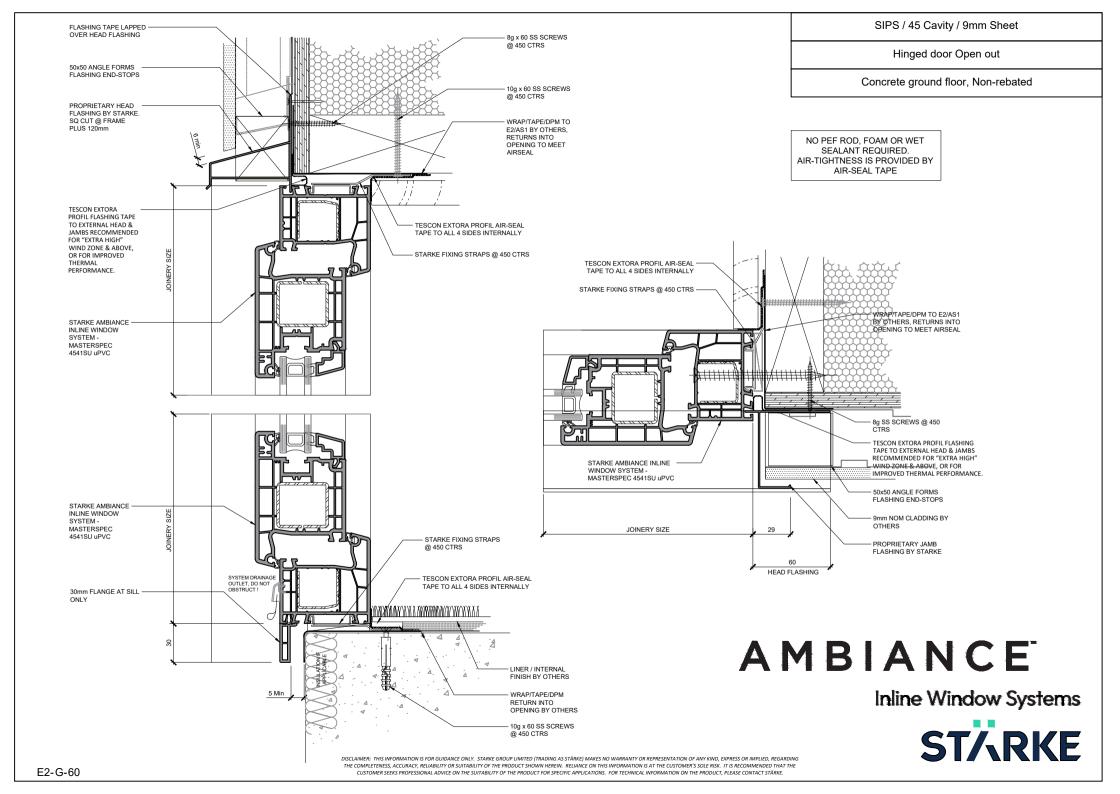


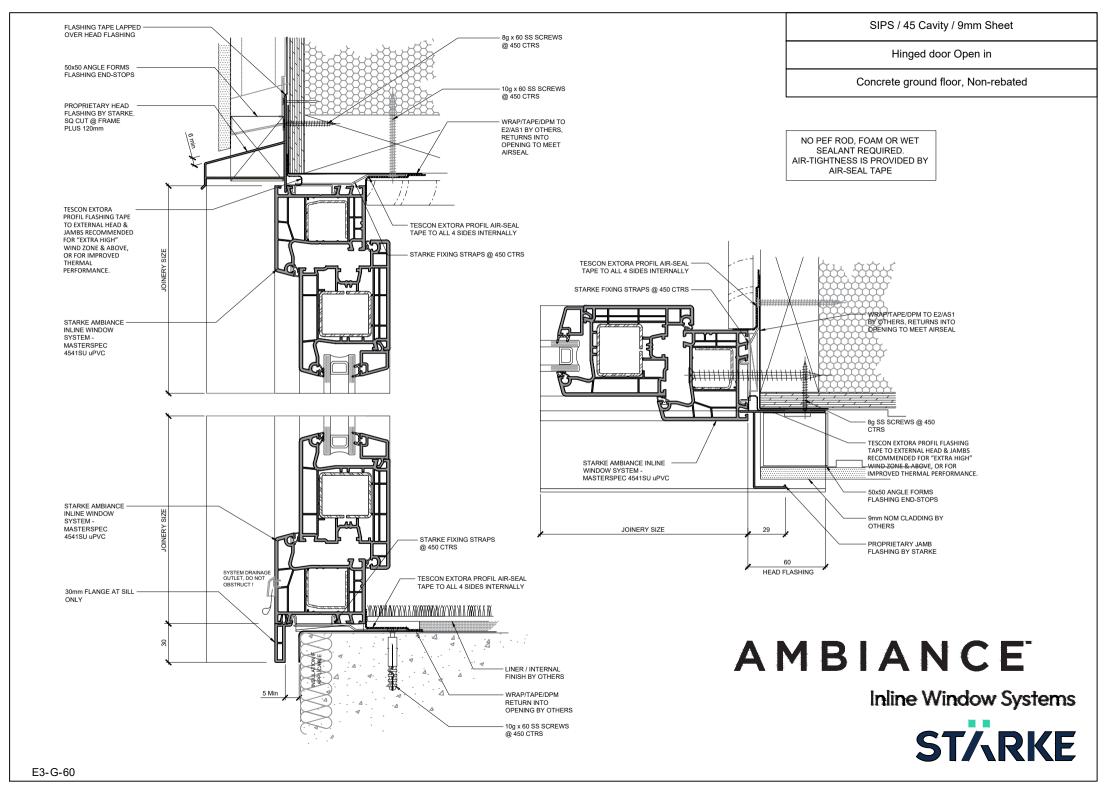






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SIPS / 45 Cavity / 9mm Sheet ELASHING TAPE LAPPED OVER HEAD FLASHING Sliding door 8g x 32 SS SCREWS @ 450 CTRS 50x50 ANGLE FORMS FLASHING END-STOPS Concrete ground floor, Non-rebated 7.5 v 102 SS SCREWS @ 450 CTRS PROPRIETARY HEAD FLASHING BY STARKE. WRAP/TAPE/DPM TO SQ CUT @ FRAME E2/AS1 BY OTHERS, PLUS 120mm RETURNS INTO OPENING TO MEET AIRSEAL NO PEF ROD, FOAM OR WET SEALANT REQUIRED. AIR-TIGHTNESS IS PROVIDED BY AIR-SEAL TAPE TESCON EXTORA PROFIL FLASHING TAPE LINER / INTERNAL TO EXTERNAL HEAD & FINISH BY OTHERS JAMBS RECOMMENDED LINER / INTERNAL FOR "EXTRA HIGH" FINISH BY OTHERS WIND ZONE & ABOVE, OR FOR IMPROVED TESCON EXTORA PROFIL THEDRANI AIR-SEAL TAPE TO ALL 4 TESCON EXTORA PROFIL AIR-SFAI PERFORMANCE. SIDES INTERNALLY TAPE TO ALL 4 SIDES INTERNALLY 7.5 x 102 SS SCREWS @ 450 CTRS STARKE AMBIANCE INLINE WINDOW WRAP/TAPE/DPM TO E2/AS1 BY OTHERS, RETURNS INTO MASTERSPEC 4541SU uPVC OPENING TO MEET AIRSEAL 8g SS SCREWS @ 450 *IMPORTANT* TESCON EXTORA PROFIL FLASHING IT IS CRITICAL THAT THE JOINERY TAPE TO EXTERNAL HEAD & JAMBS RECOMMENDED FOR "EXTRA HIGH SILL IS PACKED PERFECTLY LEVEL STARKE AMBIANCE INLINE - WIND ZONE & ABOVE, OR FOR IMPROVED THERMAL PERFORMANCE. TO ENSURE THE CORRECT WINDOW SYSTEM -OPERATION OF ANY HIGH MASTERSPEC 4541SU uPVC STARKE AMBIANCE PERFORMANCE DOOR. 50x50 ANGLE FORMS INLINE WINDOW FLASHING END-STOPS MASTERSPEC 4541SU uPVC 9mm NOM CLADDING BY STARKE FIXING STRAPS OTHERS @ 450 CTRS JOINERY SIZE 29 PROPRIETARY JAMB FLASHING BY STARKE SYSTEM DRAINAGE OUTLET, DO NOT OBSTRUCT! TESCON EXTORA PROFIL AIR-SEAL TAPE TO ALL 4 SIDES INTERNALLY 30mm FLANGE AT SILL HEAD FLASHING ONLY AMBIANCE LINER / INTERNAL FINISH BY OTHERS WRAP/TAPE/DPM Inline Window Systems RETURN INTO OPENING BY OTHERS STÄRKE 10g x 60 SS SCREWS @ 450 CTRS

E4-G-60

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