



WEATHERTIGHTNESS SUBSTANTIATION SHEET:

SYSTEM: SPS Envirowall Cavity Cavity System 2 –Flexible Slip.
VTC job no.: TR0121-3UX1
Report Number: N950-19-17663

Issue Date: 14/05/2019
Dates of test: December 2018 and January 2019
Test Laboratory: VINCI

Test Standard: In accordance with CWCT Standards
Fabricator / Installer: SPS Envirowall Limited
Sample: 7m W x 5.65m H



SUMMARY OF TEST RESULTS:

- **Air permeability:** PASS (CWCT) Equivalent to Class A4 of BS EN 12152
- **Watertightness – static (pre-test):** PASS, No water penetration was observed throughout the test
- **Air permeability:** PASS, (CWCT) Equivalent to Class A4 of BS EN 12152
- **Watertightness – static:** PASS, No water penetration was observed throughout the test.
- **Wind resistance – serviceability:** PASS, No damage to the test sample was observed.
- **Air permeability:** PASS, (CWCT) Equivalent to Class A4 of BS EN 12152
- **Watertightness – static:** PASS, No water penetration was observed throughout the test.
- **Watertightness – dynamic:** PASS, No water penetration was observed throughout the test.
- **Watertightness – hose:** PASS, No water penetration was observed throughout the test.
- **Wind resistance – safety:** PASS, No damage to the test sample was observed.
- **Impact resistance:** PASS, No damage was observed during the positive pressure up to 3600 pascals.

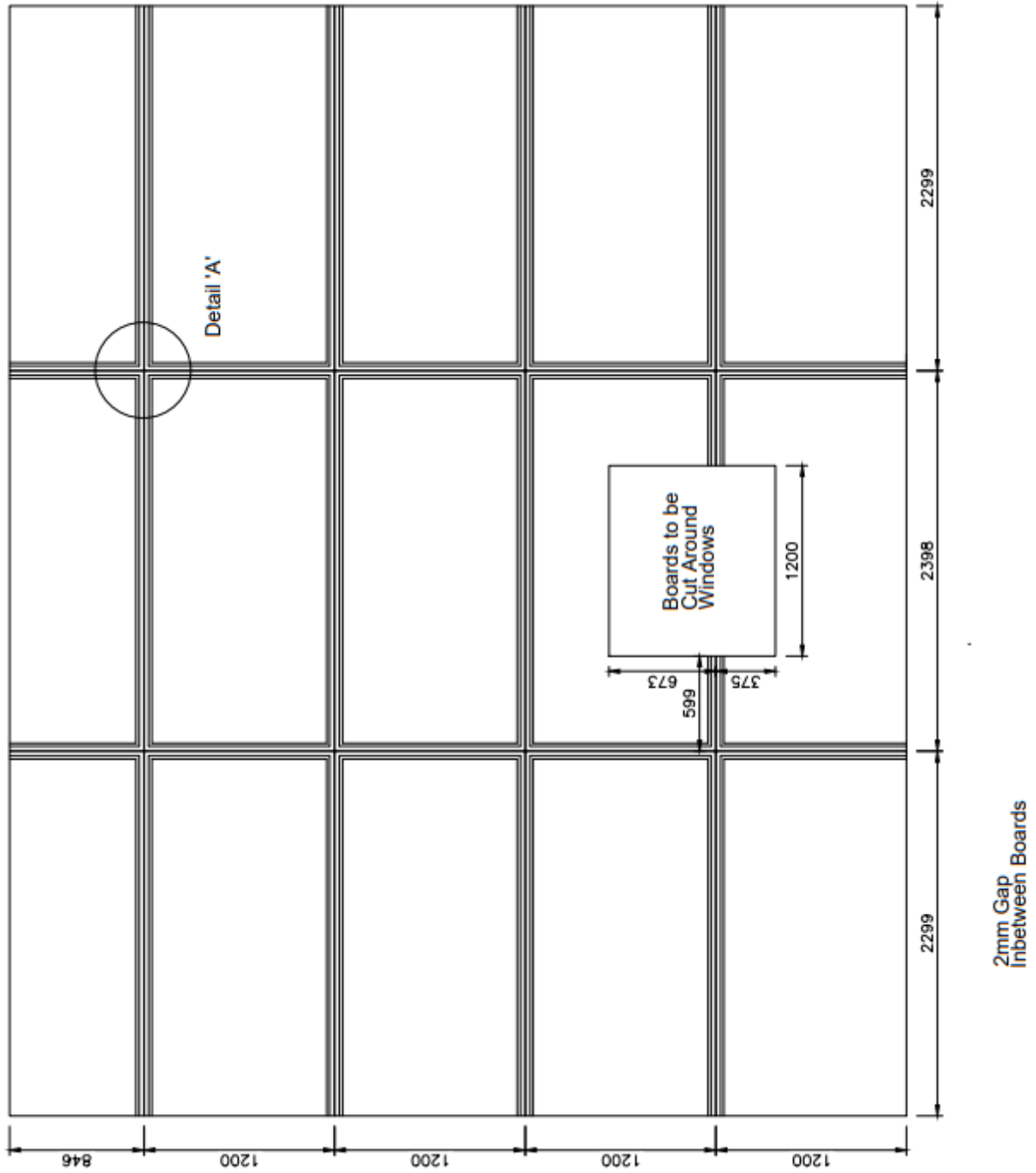
CLASSIFICATION:

- **Air permeability** CWCT / BS EN 12152 (A4)
- **Watertightness** CWCT / BS EN 12154 (R7)
- **Wind resistance** CWCT / BS EN 13116 (± 2400 pascals serviceability, ± 3600 pascals safety)
- **Impact resistance** CWCT TN76 (Class 1 serviceability Negligible risk safety)



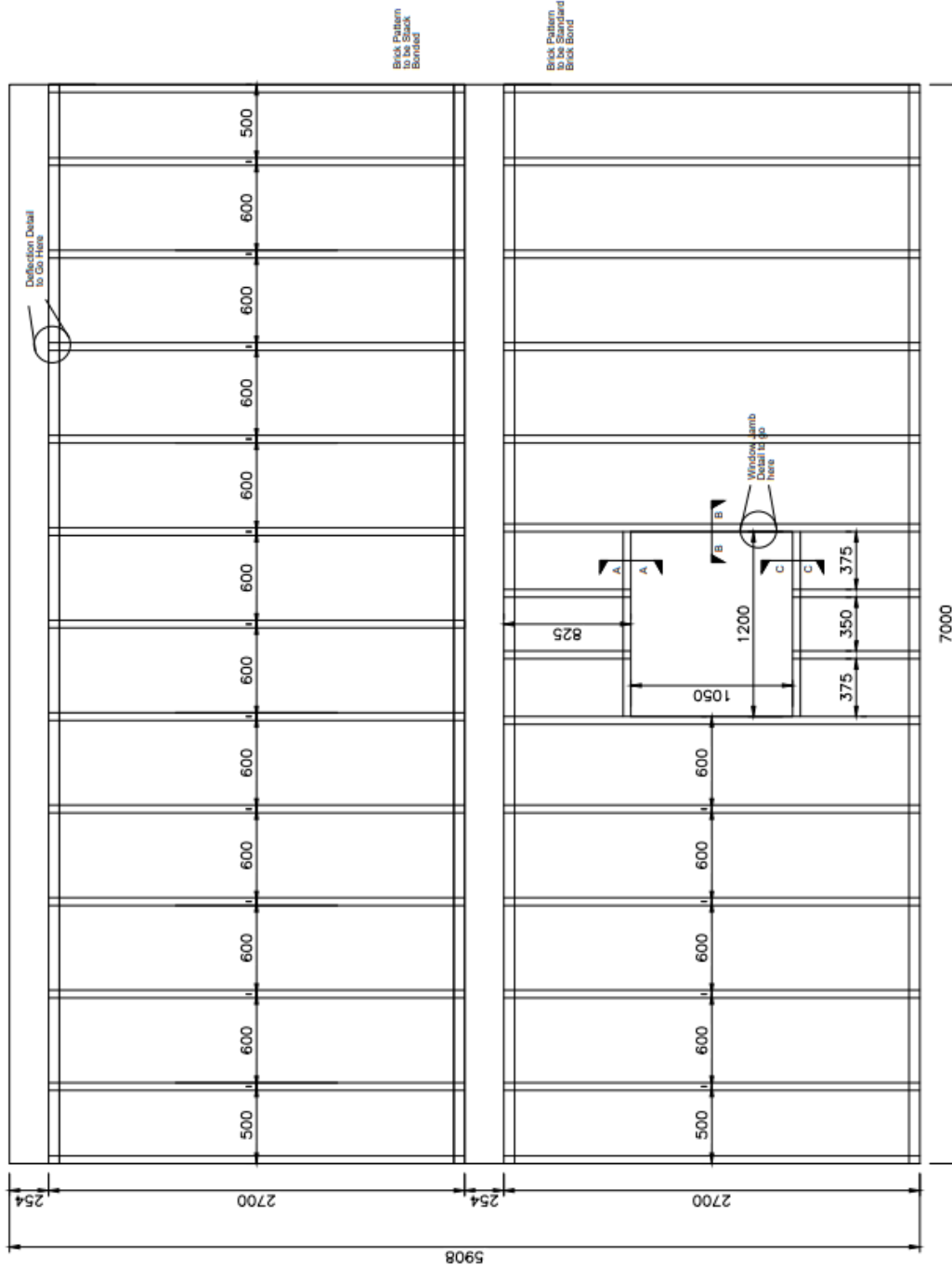
Drawings:

Board Layout



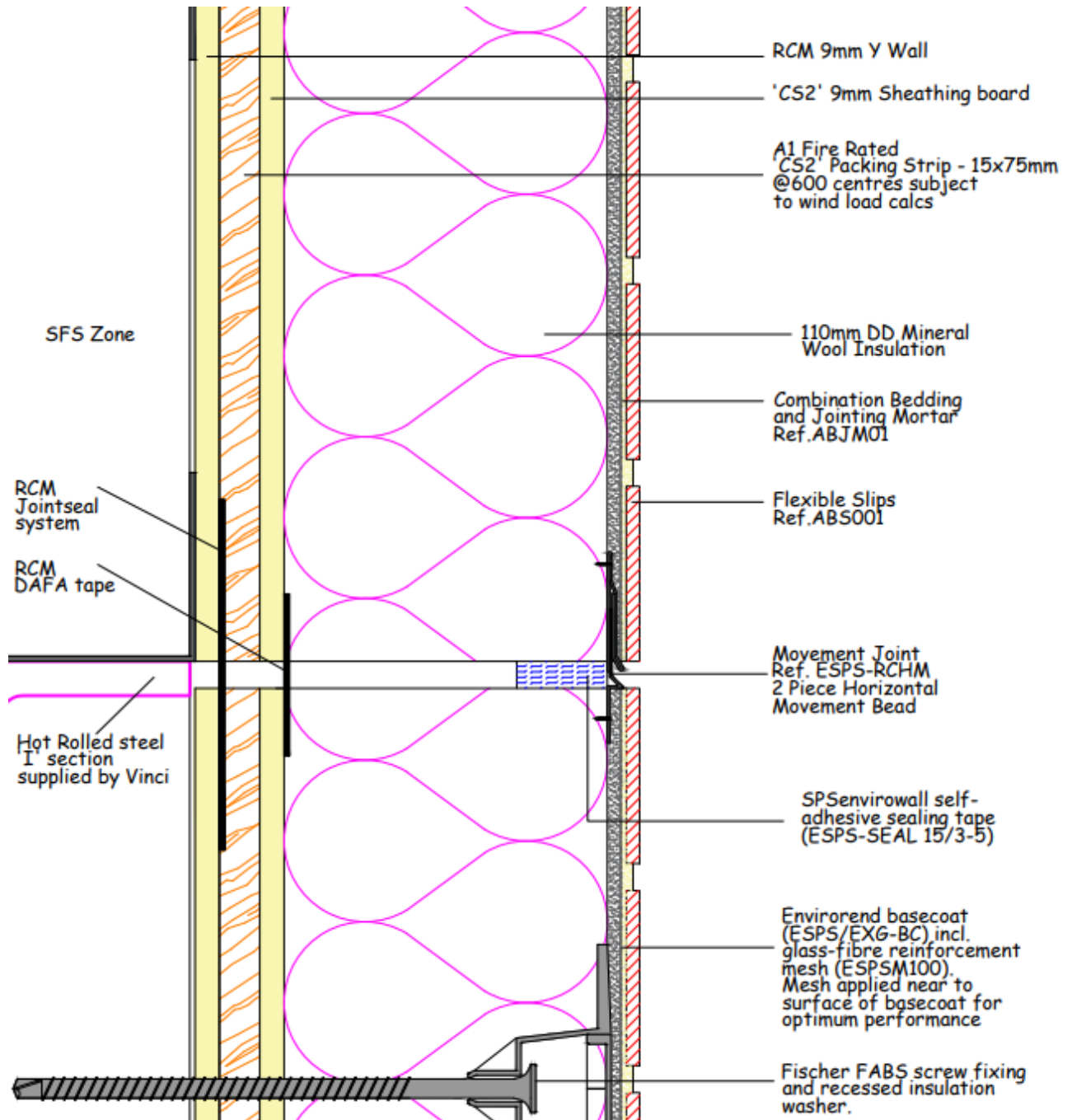


SFS and Studs Layout



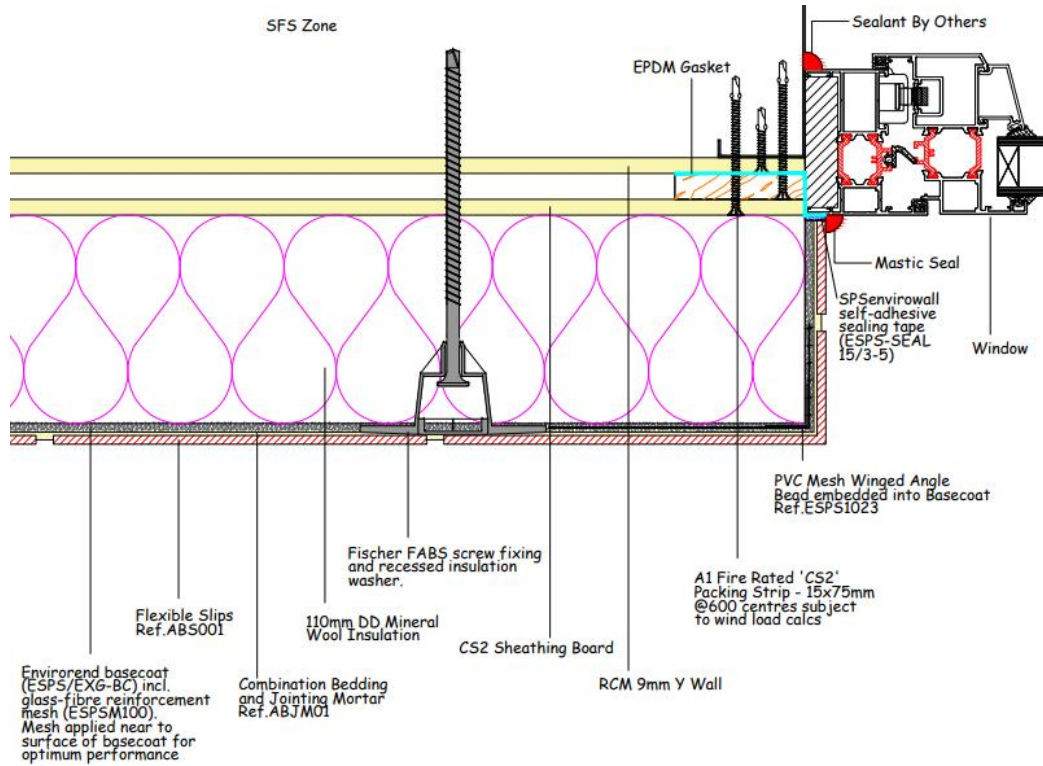


Horizontal Movement Joint Detail

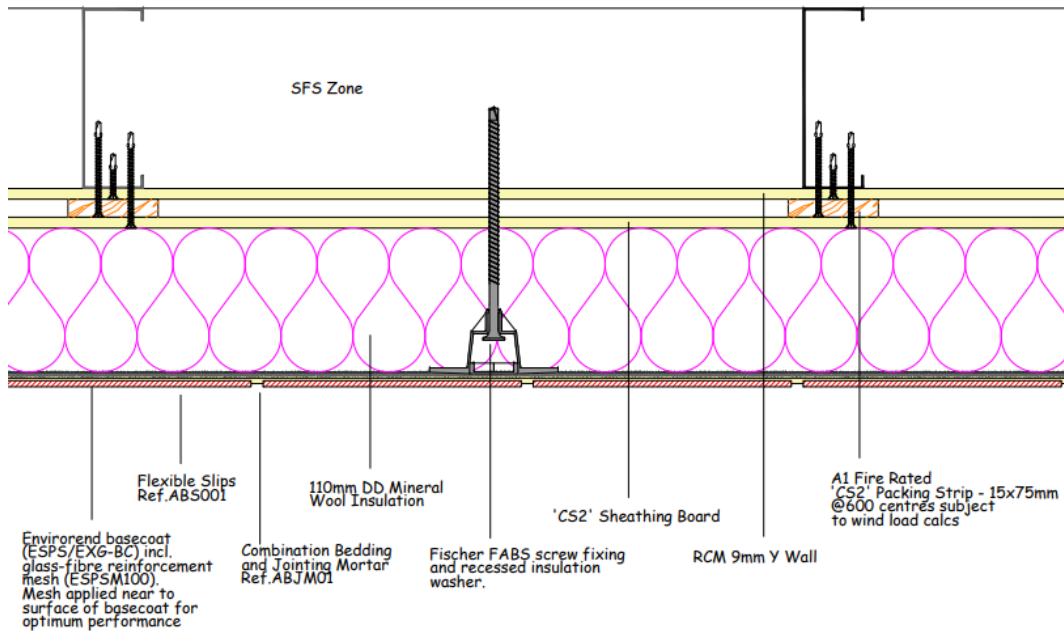




Window Reveal Detail

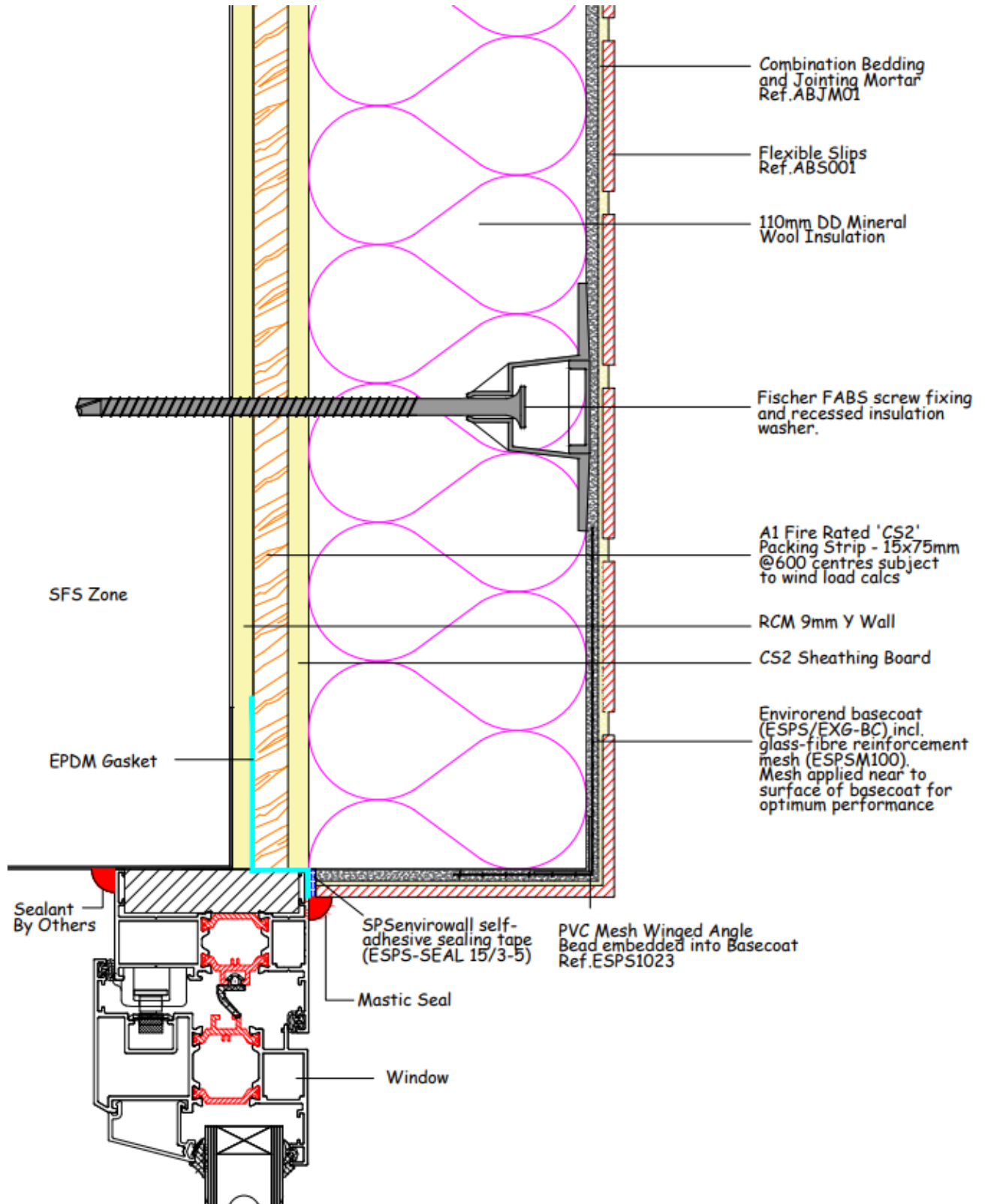


Plan View Detail



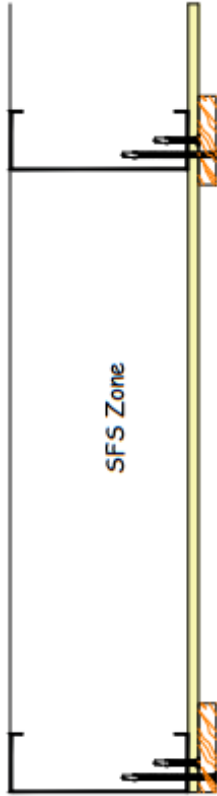


Window Reveal Detail

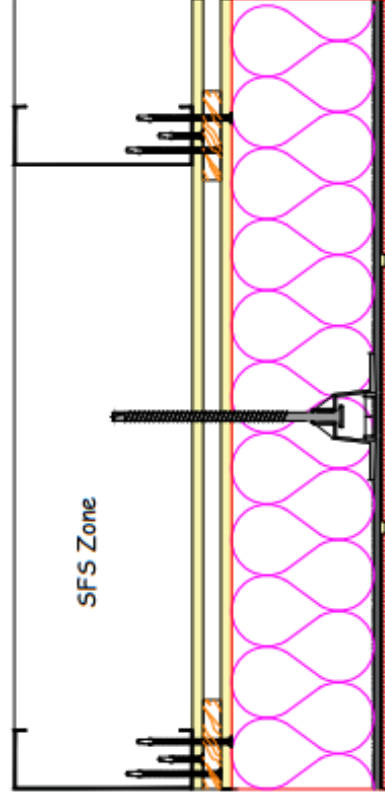




Subframe Build-Up Detail



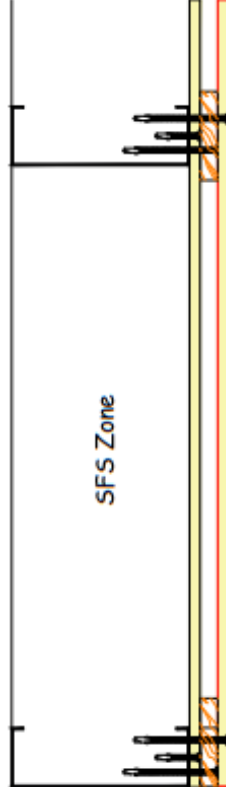
2. A1 Fire Rated 'CS2' Packing Strip - 15x75mm to be fixed to Y Wall Board @ 600mm centres. Please see other details for further guidance



4. SPSEnvirowall System to be applied to Cs2 Sheathing Board. Please see other details for further guidance



1. Inner Sheathing Board to be fixed to SFS. Please see other details for further guidance



3. 'CS2' Sheathing Board to be fixed to A1 Rated 'CS2' Packing Strip. Please see other details for further guidance



Subframe Build-Up Detail

