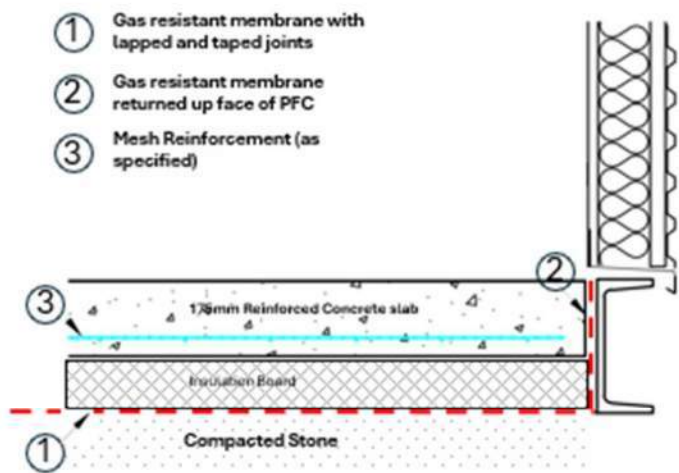
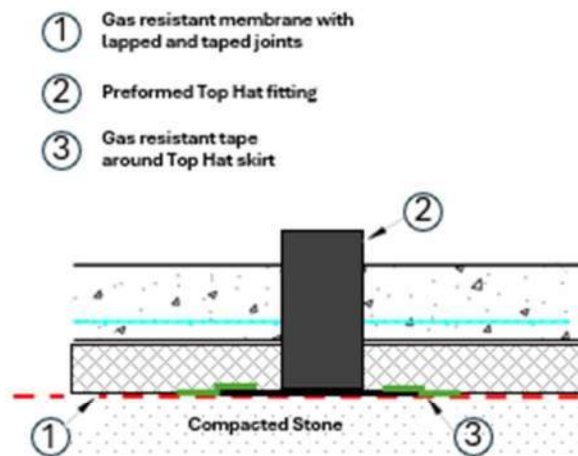




PERIMETER DETAIL



SERVICE PENETRATION
SEAL DETAIL

Key



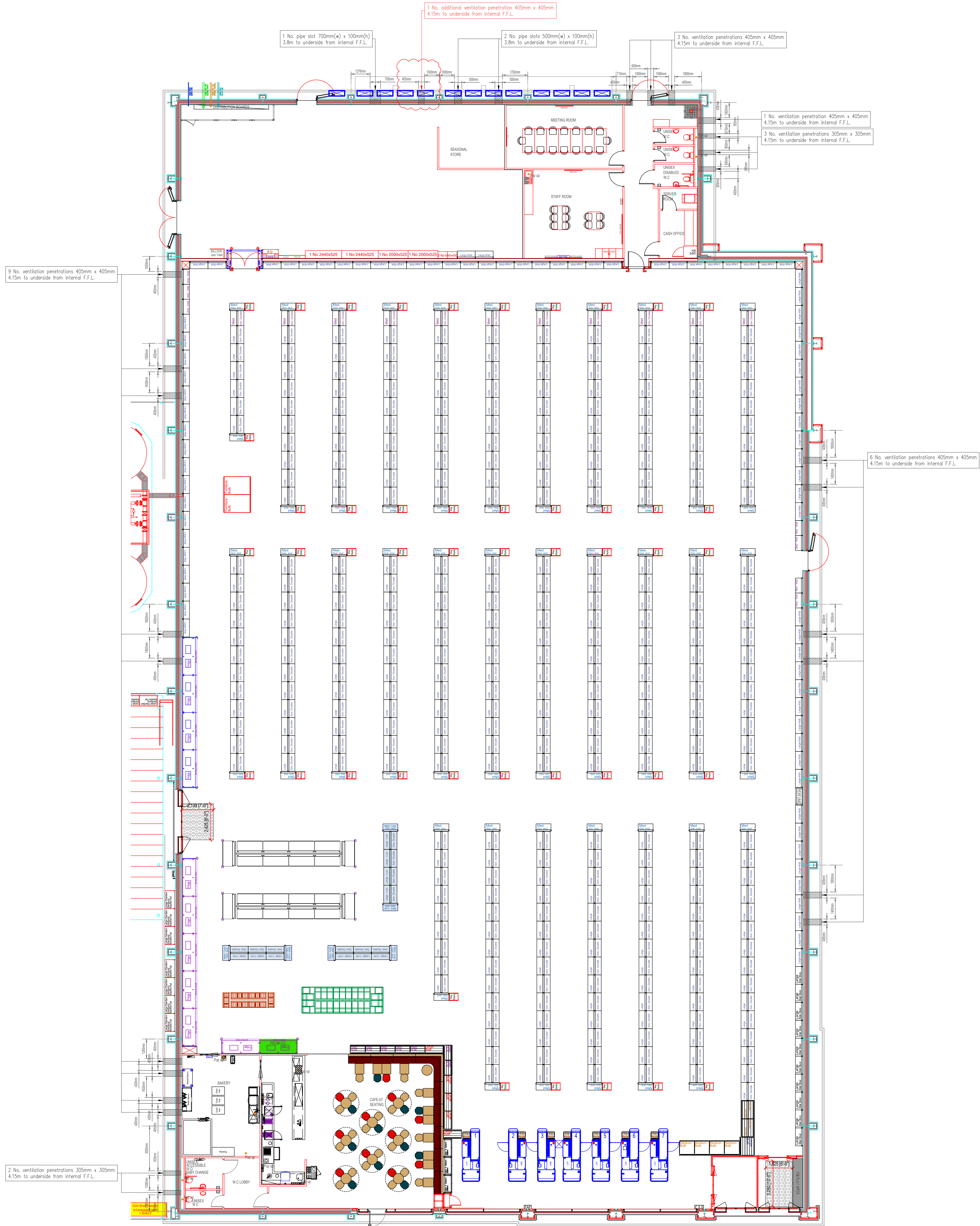
ADS Consult
107 Mere Grange Business Park
Leaside
St Helens
WA9 5GG
Tel: +44 (0) 203 823 2800

Figure A.3
As-Built Gas Membrane
Installation Details

Project:
Home Base, Newport

Project No.:
9774

Client:
Braithwaite Group



Appendix B

PHOTOGRAPH RECORD



Photo 1: Section of installed membrane, insulation board and reinforcement.



Photo 2: Toughsheet membrane laid over subgrade

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Project: Home Bargains, Newport

Client: Braithwaite Group

Site Photographs

Project No.: 9774

Date: 16/01/25

Environmental Consultancy



Photo 3: Subgrade in foreground with membrane, insulation, anchor joint and reinforcement shown as installed.



Photo 4: Pouring of concrete

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Tel: Phone: +44 (0) 151 541 4000
E-mail info@adsstructural.co.uk



Project: Home Bargains, Newport

Client: Braithwaite Group

Site Photographs

Project No.: 9774

Date: 16/01/25

Environmental Consultancy



Photo 5: Final membrane area of installation. Insulation in foreground. Protrusions visible.



Photo 6: Example top hat/ sealed protrusions (double sided tape visible along joint (right hand photo))

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ads:
consult
consulting engineers

Project: Home Bargains, Newport

Client: Braithwaite Group

Site Photographs

Project No.: 9774

Date: 16/01/25

Environmental Consultancy

Appendix C

MEMBRANE SPECIFICATION AND PERFORMANCE CERTIFICATE

BBA Approval Inspection Testing Certification

Radon Gas Barrier

01942 841111

sales@toughsheet.co.uk

Chequerbent Works,
Manchester Rd, Bolton,
United Kingdom

www.toughsheet.co.uk

Frank Mercer & Sons Ltd

Chequerbent Works
Manchester Road
Chequerbent
Westhoughton
Bolton
Lancashire BL5 3JF



Tel: 01942 841111

e-mail: sales@toughsheet.co.uk

website: www.toughsheet.co.uk

Agrément Certificate

99/3603

Product Sheet 2 Issue 4

FRANK MERCER MEMBRANES

TOUGHSHEET RADON BARRIER

This Agrément Certificate Product Sheet⁽¹⁾ relates to Toughsheet Radon Barrier, for use as a low-density polyethylene (LDPE) radon barrier and damp-proof membrane (DPM), in concrete ground floors, above and below slabs not subject to hydrostatic pressure, to protect the building against moisture and radon from the ground.

(1) Hereinafter referred to as 'Certificate'.

The assessment includes

Product factors:

- compliance with Building Regulations
- compliance with additional regulatory or non-regulatory information where applicable
- evaluation against technical specifications
- assessment criteria and technical investigations
- uses and design considerations

Process factors:

- compliance with Scheme requirements
- installation, delivery, handling and storage
- production and quality controls
- maintenance and repair

Ongoing contractual Scheme elements†:

- regular assessment of production
- formal 3-yearly review



KEY FACTORS ASSESSED

- Section 1. Mechanical resistance and stability
- Section 2. Safety in case of fire
- Section 3. Hygiene, health and the environment
- Section 4. Safety and accessibility in use
- Section 5. Protection against noise
- Section 6. Energy economy and heat retention
- Section 7. Sustainable use of natural resources
- Section 8. Durability

The BBA has awarded this Certificate to the company named above for the product described herein. This product has been assessed by the BBA as being fit for its intended use provided it is installed, used and maintained as set out in this Certificate.

On behalf of the British Board of Agrément

Date of Fourth issue: 29 September 2024

Originally certified on 7 November 2016

Hardy Giesler
Chief Executive Officer

This BBA Agrément Certificate is issued under the BBA's Inspection Body accreditation to ISO/IEC 17020. Sections marked with † are not issued under accreditation.

The BBA is a UKAS accredited Inspection Body (No. 4345), Certification Body (No. 0113) and Testing Laboratory (No. 0357).

Readers MUST check that this is the latest issue of this Agrément Certificate by either referring to the BBA website or contacting the BBA directly.

The Certificate should be read in full as it may be misleading to read clauses in isolation.

Any photographs are for illustrative purposes only, do not constitute advice and should not be relied upon.

British Board of Agrément

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