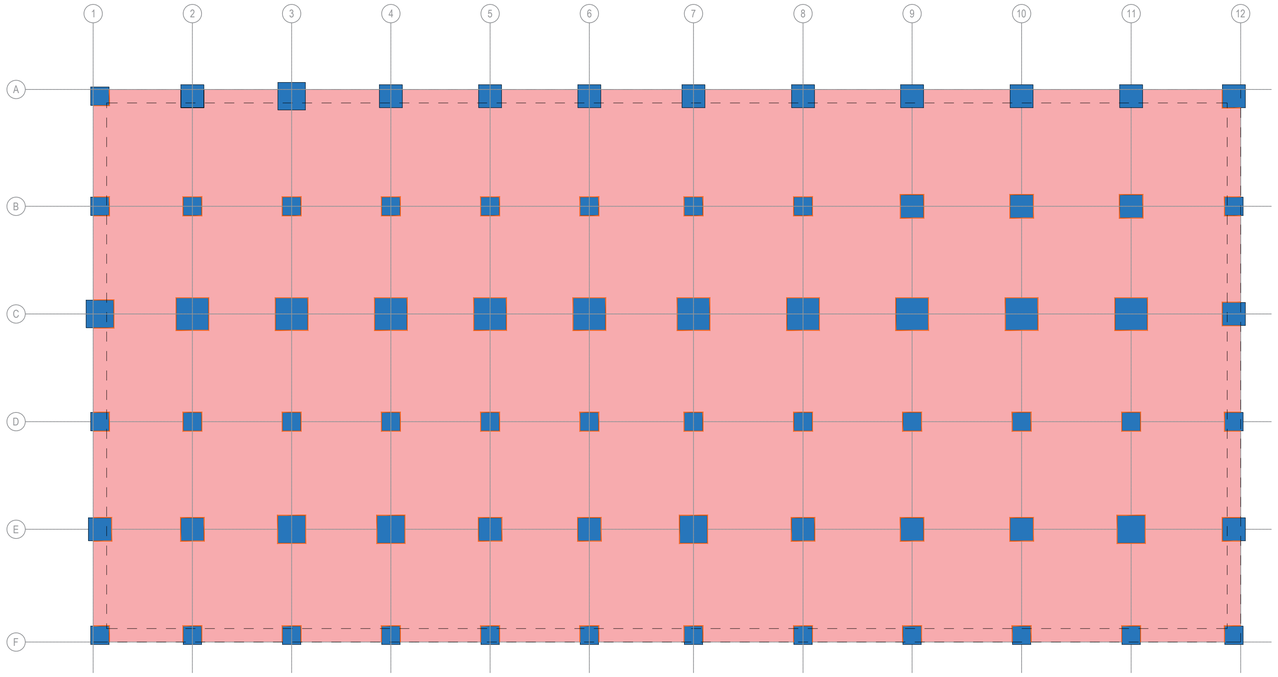
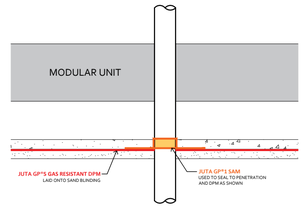


FOUNDATION LAYOUT
1:100

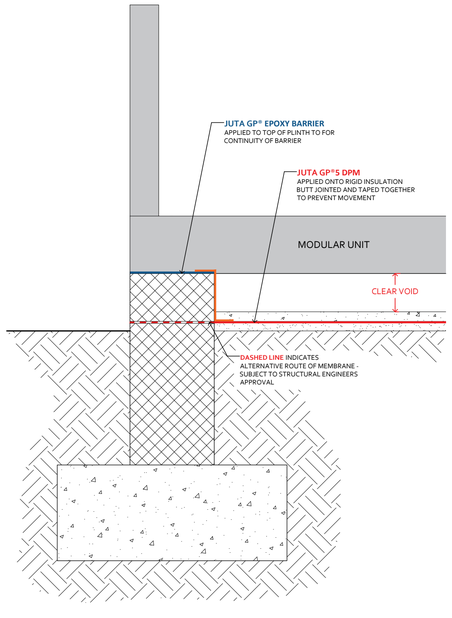
KEY:

GP5 RADON DPM
EXTENT OF GAS MEMBRANE INSTALLED TO BOTTOM OF VOID AS INDICATED ON SECTIONAL DETAILS

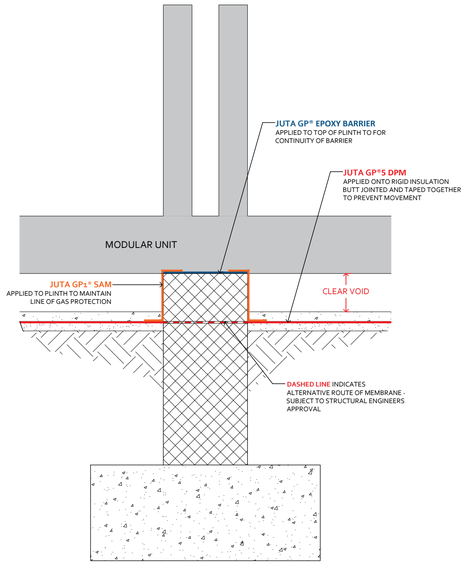
GP EPOXY BARRIER
APPLIED TO TOP OF PLINTH WITH GP1 SAM USED TO LINK DPM TO EPOXY BARRIER AS SHOWN ON SECTION DETAILS



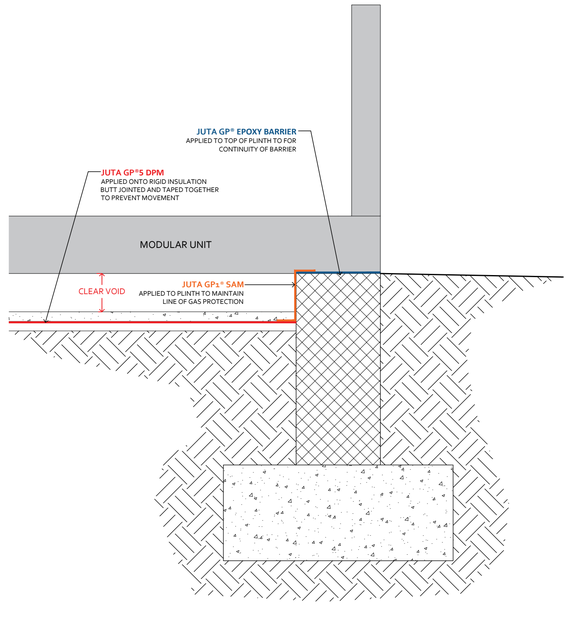
TYPICAL MEP PENETRATION DETAIL
NTS



TYPICAL PERIMETER PAD SECTION
NTS



TYPICAL INTERNAL PAD SECTION
NTS



TYPICAL PERIMETER RADON SUMP TERMINATION
NTS

CLIENT
UK MEMBRANES

PROJECT
WREXHAM FC - FIRST TEAM PAVILLION
GAS MITIGATION MEASURES

GP DESIGN

JUTA | TITANTECH

- It is a GP® Design requirement that the installation of gas barrier geomembranes is completed by a suitably qualified and accredited installer (NVQ L2/TWI/CSWIP or equivalent). Juta UK/ GP® Design can offer advice as to suitable/recommended installers.
- Details are provided at 1:10/ 1:20 in scale so should be used as a guide for Specialist Installers - not a specific dimensioned installation detail for construction.
- It is expected that the appointed Specialist Contractor is able to interpret the details and work independently to ensure suitable lapping between products and ensure verification lapping of membranes. Unless otherwise stated - overlap dimensions are to be in line with product installation instructions and are generally >50mm and approx. 100mm.
- GP® membrane configurations and application guidance is provided in accordance with Approved Doc C (UK) and Technical Guidance Document C (Ireland) to ensure compliance with Building regulations for gas/damp/waterproofing materials.
- Jointing and sealing by hot air welding is recommended where the anticipated design service life is required to exceed 60 years, the use of sealants and adhesives (tapes) should be minimised to ensure the most robust and durable system installation in line with BS7543.
- The use of butyl and bitumen-based tapes in environments where VOC and Hydrocarbons are a perceived risk should be avoided where possible.
- It should be noted that the suitability of the welded joint is defined by the joint integrity, as tested in accordance with CIRIA C735: 2014. This is most commonly tested by air lance integrity testing to ASTM D4437-08: 2013. If the joint passes this test it is deemed acceptable in the verification process.
- Where gas protection is stipulated, system installation should be subject to third-party independent verification, in accordance with BS8485: 2015 +A1: 2019 and CIRIA C735: 2014.
- All design decisions made by others that might have an impact on the gas and damp/waterproof design performance should be brought to the attention of the design team and GP® Design/JUTA UK Ltd. Final decisions and/or any recommendations should be approved by the design team and GP® Design.
- Dimensions are not to be scaled from this drawing. All written measurements are to be checked on site by the contractor.
- Elements outside of GP® Design/JUTA UK Ltd remit/responsibility will often be omitted from drawings for gas/damp/waterproofing, the performance specification of these omitted elements should be sought from the appropriate discipline, IE, Structural, Architectural or M&E.
- It is assumed the principal designer/Design co-ordinator and/or Architect will produce co-ordinated construction details.
- All rights described in chapter IV of the copyright, design and patents act 1988 have been generally asserted.

DRAWING TITLE
WREXHAM FC - FIRST TEAM PAVILLION
GAS PROTECTION SYSTEM

DRAWING NUMBER
GPD-PSD_391.001

DRAWN BY	CHECKED BY	SCALE	DATE
PD	PF	Not to Scale	May. 2026

JUTA UK
MELTON GROVE
WORKS
BLACKPOOL ROAD
LYTHAM
FY8 5PL

Tel: 01772 754177
E-mail: info@juta.co.uk