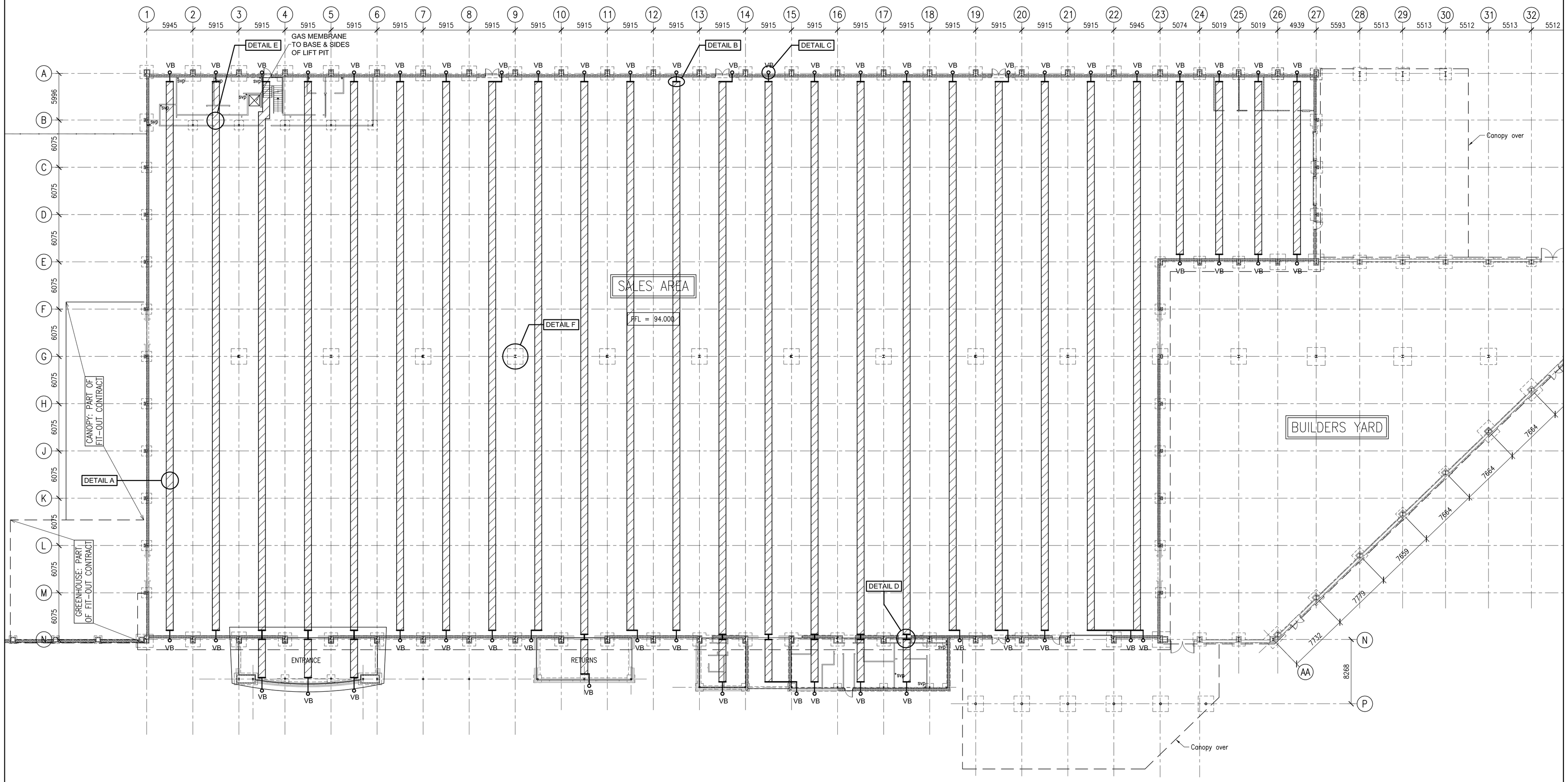

SPECIFICATION FOR GAS PROTECTION MEASURES

Membrane

1. Gas resistant membrane to be high performance loose lay membrane containing encapsulated aluminium core. Maximum methane permeability 1 x 10^{-9} $m^3/m^2/s$. (ACS Gas Resistant Membrane)
2. Installation and protection in accordance with manufacturers recommendations. Membrane to be laid on minimum 25mm blinding throughout except where laid directly above geocomposite gas venting layer.
3. Individual membrane sheets to be lapped minimum 100mm and sealed with 30mm wide proprietary butyl tape (ACS Butyl Sealant Tape).
4. All services and other penetrations to be sealed with self adhesive gas resistant membrane (ACS Adhesive Gas Membrane).

Geocomposite Gas Venting Strip

5. Geocomposite to comprise single sided 25mm thick cuspated high density polyethylene core with high permeability geotextile fabric bonded to core dimples (ACS Gasflow 25).
6. Core to have a minimum 13mm clear void and a minimum crushing strength of 100kN/m^2.
7. Geocomposite strips (900mm wide) at nominal 5915mm centres with connections on opposite sides of the building to 100mm diameter T-piece manifold pipe.

Perimeter Ventilation

8. T-piece manifold pipe connected to ground level vent boxes (VB) at nominal 5915mm centres. Exact positions to be agreed on site to suit door openings and Architects requirements.

REFERENCE

100mm ID HDPE Gas Collection Pipe

25mm thick Geocomposite Gas Venting Strip (ACS Gasflow 25) at 5915mm centres

Ground Level Vent Box (VB) — VB1

APPROVED

REVISION	DESCRIPTION	CHECKED	APPROVED	DATE
A	Issued as Approved.			04/12/06

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DRAWN	CHECKED	APPROVED
SAHB	HDS	HDS

DATE	REF	SCALE	DRAWING No.
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