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SPECIFICATION FOR GAS PROTECTION MEASURES

- Membrane**
- Gas resistant membrane to be high performance loose lay membrane containing encapsulated aluminium core. Maximum methane permeability 1 x 10 m/m/s. (ACS Gas Resistant Membrane)
 - Installation and protection in accordance with manufacturers recommendations. Membrane to be laid on bladed stone throughout.
 - Individual membrane sheets to be lapped minimum 100mm and sealed with 30mm wide proprietary butyl tape (ACS Butyl Sealant Tape).
 - All services and other penetrations to be sealed with self adhesive gas resistant membrane (ACS Adhesive Gas Membrane).
 - Sub-Slab Diffusers

- Pipework to be laid within or below granular stone or hardcore layer.
- Excavation and backfilling for pipework to be carried out by MAIN CONTRACTOR.
- Depressurisation Units
- Depressurisation units to comprise 13A single phase flame-proof fans mounted in extract pipework. Fan housing by others and to Architects requirements. Location of depressurisation units to be agreed with contractor.
- Extract pipework to comprise 150mm dia. grey UPVC pipe extending a minimum 2500mm above external ground level and fitted with static vent cowl (ACS Cowl S150)

REFERENCE

- ACS Depressurisation Units (2No.)
 - Sub - slab Gas Diffusers (10No.)
 - 100mm ID HDPE Twin Wall Pipe
- Note:
 Exact pipework routes to be agreed on site.

CONSTRUCTION STATUS

| REVISION | DESCRIPTION | CHECKED | APPROVED | DATE |
|----------|-----------------------------------|---------|----------|----------|
| C | Fan locations amended. | HDS | HDS | 30/06/05 |
| B | Detail references added. | HDS | HDS | 06/05/05 |
| A | Fan number and positions revised. | HDS | HDS | 18/04/05 |



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|---------|------------------------------|-------------|--------------------------------|
| CLIENT | MARBANK CONSTRUCTION LIMITED | TITLE | GAS PROTECTION MEASURES (PLAN) |
| SCHEME | BEAM BEACH 8 RAINHAM | DRAWN | SAHB |
| CHECKED | HDS | APPROVED | HDS |
| DATE | APRIL 2005 | REF | J05033 |
| SCALE | 1:200 | DRAWING No. | J05033/01 |