

**Proposed Roof water drainage for proposed side extension
Global Technologies Racing Ltd
Denmans Lane Fontwell**

1 Roof surface water drainage

The pipe sizes are based on two hour storm with intense rain fall and allowing for 15lt/second run off for every 1000msq of impermeable surface areas of collection

All new drains to be constructed in 150mm dia P.V.C. pipes as shown on plan with flexible joints laid to a fall of 1:100 and bedded and surrounded with 150mm pea gravel

1.1 On the West elevation of the building there will be 2 No 110mm diameter rain water down pipes taking water from the roof, as indicated on the drawing, and in positions shown Marley or similar 450mm dia polypropylene I.C.S. will be provide bedded on 100mm concrete and surrounded with concrete. Cover frames to be set in 150mm thick concrete

1.2 On the East elevation of the building there will be 2 No 110mm diameter rain water down pipes taking water from the roof, as indicated on the drawing, and in positions shown Marley or similar 450mm dia polypropylene I.C.S. will be provide bedded on 100mm concrete and surrounded with concrete. Cover frames to be set in 150mm thick concrete

1.3 As and where required Marley or similar SRE Surface Roding Eyes Cover frames to be set in 150mm thick concrete .will be provided

Total roof catchment area 432msq

2 Soak-away

Volume of soakaway = 120.75 cubic mt

Provide an excavated area approximately 14m long x 1.0m deep x 11.5 m wide in the location indicated on the plan. In the prepared excavation supply and lay Geotextile membrane to cover base and vertical sides with sufficient to overlap the finished drainage works. In position shown provide Polystorm R Soakaway, or similar Crates 0.750m deep, cover with Geotextile membrane to cover crates back fill to level with selected fill