Visqueen Radon R400 Membrane	Result	Unit
Thickness	400	um
Radon Permeability	8x10^(-12)	m²/s
Radon Transmittance	8x10^(-12)	m²/s

Timber suspended timber floor: Ground preparation - Remove top soil & vegetation, apply total weed killer & 150mm min thick sand blinded hardcore and prepare the ground to an even surface and lay a ground cover of concrete at least 50mm thick, **on a Visqueen R400 (400 um) radon membrane under suspended timber floor lapped 300mm double welted and taped with gas proof tape at joints and service entry points.** Carry membrane over cavity and provide suitable cavity tray and weep holes.
Note: Radon barrier to be applied in lieu of 1200mm gauge polyethylene DPM under slab. Builder to refer to local authority guidelines on requirements of radon barriers. Floor construction - min 22mm tongue and groove moisture resistant particle/chipboard grade type C4 to BS 5669 as required. Lay staggered joint on 50mm x 170mm C24 grade soft wood joists to be infilled with 110mm Kingspan K103 insulation between joists fixed with Celotex clips. The underside of the floor joists are not to be less than 150mm above the top of the ground cover.

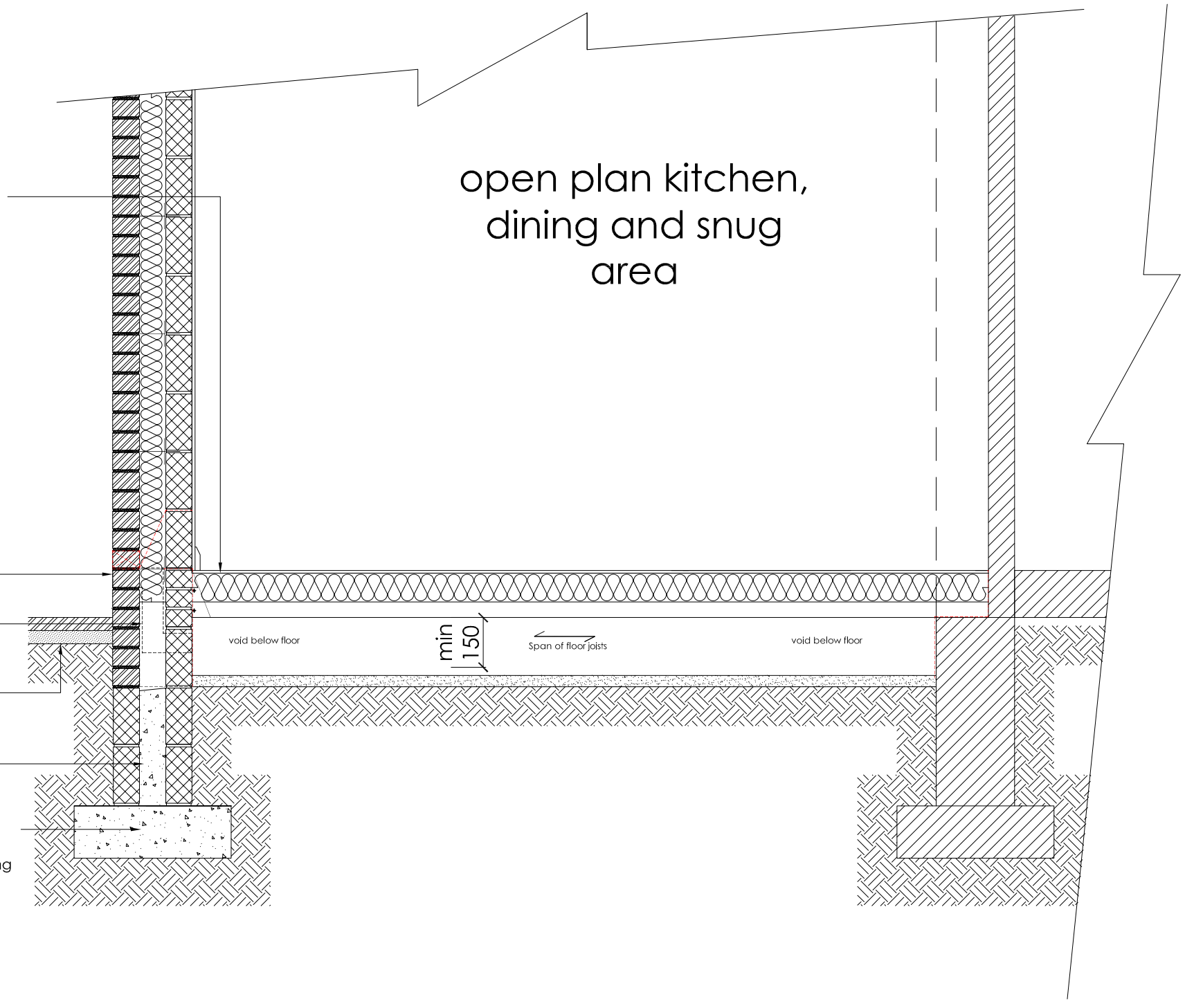
weep holes, at 900mm ctrs, with proprietary fly mesh. DPC, to be min 150mm above external ground level

provide 150x75mm air bricks for air circulation to below suspended floor slab, position at 900mm Ctrs. horizontally.

client to confirm proposed external works to building perimeter with contractor

back fill cavity with week mix concrete cavity fill

600x225mm conc strip foundation as detailed in specification, to be 750-1000mm deep depending on subsoil conditions. Depth to be agreed on site with building control inspector.



section thru a-a

scale 1:20 at A3

Rev ref	Description	Date
Project	Ground floor side & rear and first floor side extension	
Site Address	22 Longford Road Chorlton-cum-Hardy Manchester M21 9SP	
Client	Mr Simon Kirkham	
Drawing status	Planning	
Drawing title	Section a-a	
Date	June 2021	
Scale	1:20 @ A3	Drawn JB / CK PJH
Dwg No.	2021-1526-P-107	Rev -

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0.2 0 0.2 0.5 1.0 2.0m 1:20@A1
0.5 0 0.5 1 2 5m 1:50@A1
1 0 1 2 5 10m 1:100