



existing ground floor plan

1:50

ALL MEASUREMENTS TO BE CHECKED &  
AGREED WITH CONTRACTOR ON SITE AT THE  
TIME OF CONSTRUCTION

0m 5m 10m

FOUNDATIONS: Min. 1.0m below lowest ground level or to level of adjacent drains, whichever is deeper. To be below any roots by 0.6m. All depths in accordance with NHBC prac. note 3

DRAINAGE: All new & existing drains to be encased in 150mm concrete and bridged by RC lintels where passing through walls/foundations. All new drains to be bedded in 150mm pea shingle.

EXTERNAL WALLS: 112mm brick external skin, 150mm Dritherm cavity batts and inner skin of 100mm thermalite turbo blocks (1:1:6 mortar). Insert galv. wall ties @ 450mm CRS vertically and 900mm CRS horizontally and at every block at reveals to all openings and at floor level @ min. of 150mm above g.l. and lapped into existing DPC.

VENTILATION: Provide min. ventilation opening to all rooms of 1/20th of floor area.

STEELWORK: Provide half hour fire protection to all new steel beams with 2 layers of 12.5mm

FLOOR: Min. 150mm consolidated hardcore with 50mm sand blinding with 1200 gauge DPM over and min. 100mm concrete floor, 1:2:4 mix. Finish floor with a 65mm screed with chicken wire mesh at mid depth on 120mm Celotex insulation on 500 gauge polythene. (Void below floor to be made up with hardcore backfill)

All electrical installations required to meet requirements of Part P (Electrical Safety) must be designed, installed inspected & tested by a person competent to do so. Prior to completion the council should be satisfied that Part P has been complied with. This may require an appropriate BS 7671 electrical installation certificate to be issued for the work by a person competent to do so

N.B. FW drain run to be checked & agreed with L.A. building inspector  
new foundation stopped at min 150mm from outer edges of any drain & bridged over with 2No. 65x100mm pc conc lintels to support the two 100mm walls

Rainwater to drain into existing surface water system or into soak away if this is not possible.  
Soakaway to be min 1 cu.mtr at min 5m away from building or 6m in clay soils

new soakaway 1m3 for every 20m2 of roof area to be drained, therefore soakaway min 1m3  
(new soakaway in acc with A.D. H)

provide min. background ventilation of 1/20th floor area by means of trickle vent in window 8,000 sq. mm  
Holding down straps to wall plate 30x5mm ms restraint straps 1m long @ max 1.8mtr ctrs

Wall cavity to be 85mm with stainless steel wall ties

Lintels over all new openings to be Cantic or similar

All brickwork below DPC to be in semi engineering brick with SR cement  
Max U value for new windows 1.6 W/m2K

1. D/glazed windows to achieve min U value of 1.4 W/m2K
2. Energy efficient lighting to be provided in acc. with AD 'L'
3. Cavities to be closed with an insulated cavity closer (i.e. Thermabatte)
4. Use 150mm Celotex floor insulation to achieve max. U value of 0.15W/m2K
5. All new glazing to comply with app. doc. 'L' with argon filled glazed units, 'K' glass
6. SR cement to be used for all work below ground level & below DPC
7. DPC to be lapped into existing DPC of garage & kept at 150mm above adjacent ground level
8. Foundation depths in accordance with current Zurich guide with 50mm claymaster on inner face of foundation where depth in excess of 1.5m
9. Foundation concrete to be min 1:2:4 mix with S.R. cement
10. DPM to be lapped into DPC's
11. New cavity wall to be connected to existing with Furfix wall connector

General Notes

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|----------|----------------|
| Drg. No. | RAJ/1312       |
| No.      | Revision/Issue |
| Date     |                |

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|---|
| Firm Name and Address   |
| Middlesex & Herts<br>7 Elgin Drive<br>Northwood<br>Middlesex<br>HA6 2YR<br>01923 826280 |

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| Project Name and Address   |
| Mr Rajinder Bir<br>5 Scott Close<br>West Drayton<br>Middlesex<br>UB7 9DX |

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|---------|-------------------|-------|
| Project | Garage conversion | Sheet |
| Date    | 11-01-24          |       |
| Scale   | 1:50              | 01    |