

CONSTRUCTION NOTES

(1) ROOF

1a: 'Ultraframe' System – 24 o/a double glazed units – 'Pilkington's' 'Cervoglass Activ' insulating and self-cleaning toughened safety glass. •

(2) WINDOWS/DOORS

2a: White Upvc framing – Double glazed 24 o/a units all Doors and fixed lights fitted with toughened safety glass. •

(3) EXTERNAL WALLS

285 o/a CAVITY WALL U-value W/m²K 0.28

- 3a: Outer skin facing brickwork (to match extg) •
- 3b: 85 cavity infilled as built with 85 'Crown Dritherm' batts •
- 3c: Inner skin 100 (or 140) 'Thermalite' Turbo blockwork •
- 3d: 16 'British Gypsum Thistle' two coat plaster internal finish or 16 cement/sand (1:6 mix) plus neat 'Gypsum' skim internal finish •
- 3e: Skins connected with 'Catnic' stainless steel ties to current BS EN845 @ 750 horiz c's and 450 vertical c's, staggered, at reveals ties @ 225 vertical c's •
- 3f: 85 'Earthwool' Dritherm cavity batts continued up to meet roof insulation to avoid thermal bridge •
- 3g: 'Catnic Procon' or equivalent wall connectors used to tie new masonry walls to extg building walls with sealing strips/sealant all fixed to manufacturers specifications •
- 3h: Horizontal DPC 'Hyload' pitch polymer to current BS743 with 100 laps •
- 3i: 'Crown Polyfoam Closer' insulated cavity closers to jambs and cills of all openings •
- 3m: For lintels to comply with Building Regs Part L1 and L2 inside face of window to overlap inside face of outer wall by 30 and sealant gunned to window perimeter internally and externally •

(4) GROUND FLOOR

SCREEDED SOLID FLOOR U-value W/m²K 0.22

- 4a: Minimum 65 thickness floor screed, 1:3 mix •
- 4b: 100 concrete floor slab, grade 20. A142 mesh reinforcement over all drainage runs and if fill exceeds 600 depth •
- 4c: 500 gauge 'Visqueen' vapour barrier •
- 4d: 'Jabfloor 70' high performance flooring insulation slabs 140 thickness, laid on DPM and taken up perimeter walls to DPC level at 25 thickness, •
- 4e: 1,200 gauge 'Visqueen' DPM, lapped & taped, taken up perimeter walls and linked with DPC to create a continuous barrier •
- 4f: Minimum 50 sand blinding on min 150 consolidated hardcore •

(5) SUBSTRUCTURE

- 5a: Common brick cavity walls from footings to DPC level with outer skin reverting to faced brickwork three courses below final ground level of external walls •
- 5b: Weak concrete cavity fill minimum 150 from DPC level •
- 5c: 100 'Thermalite Shield' block cavity walls from footings to DPC level with outer skin reverting to faced brickwork three courses below final ground level of external walls •
- 5d: Wall skins tied together with 'Catnic' stainless steel wall ties @ five per square metre •
- 5e: Single leaf 100, 150 or 225 walls from footings to DPC 'Thermalite Shield' blockwork •
- 5f: Dry vertical joints in brick course above finished ground level @ 900 c's to form weep holes •

(6) FOUNDATIONS

TRENCH FILL FOUNDATIONS

6a: 850 deep x 500 wide concrete, grade 20, trench fill foundations under external and internal walls at a minimum depth of 1000, all subject to approval on site of Building Inspector •

(7) SURFACE WATER DRAINAGE

- 7a: All rainwater via 'Marley Flowline' PVC guttering thence via 65 square section RWP with access spigot all connected to existing and new drain RWP systems •
- 7b: 100 Ø 'Hepworth Supersleve House Drain' clay drain pipe system, fall 1:40, laid on min 100 granular bed, backfilled with selected excavated material. or plastic pipe work laid on 150 granular bed and completely surrounded with granular filling to 150 above top of pipe work, backfilled with selected excavated material • Pipework at soakaway end via Aquacell Silt Trap ending with connection to preformed socket in 'Aquacell' geo-cellular S/A units •
- 7c: Soakaway geo-cellular construction to current BBA 03/4018. Sizing (usually 1m³ or 1.2m³) to BRE Digest 365, minimum 5000 from building • 100 bed coarse sand levelled and compacted, geotextile over base and up sides of soakaway excavation, filled with geo-cellular 'Aquacell' units to manufacturers specifications, cover complete structure with geotextile and 100 coarse sand surround compacted, finally 460 topsoil to Ground Level •
- 7d: All above ground drainage to approved document H •

(8) FOUL DRAINAGE

- 8a: Concrete relieving lintels built in over all drains passing through walls •
- 8b: All extg drains passing under building to be encased in 150 concrete surround with slip joints aligning with flexible connectors, after being exposed and tested and replaced if found necessary, concrete slab over drain run reinforced with A142 mesh •
- 8c: Where below ground pipes pass through walls a 50 space to be left all around pipe with the opening masked both sides with rigid sheet material to prevent entry of fill or vermin •
- 8d: Inspection cover and frame changed to airtight and gas tight double seal bolted down type •
- 8e: Open gully changed to cast iron sealed trapped gully •

project

PROPOSED CONSERVATORY
41 BEREWEEKE ROAD, FELPHAM,
BOGNOR REGIS, WEST SUSSEX

scale

NOTES

date

JULY 2018

dwg no,

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