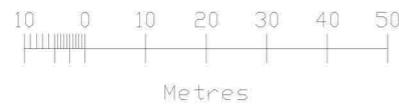
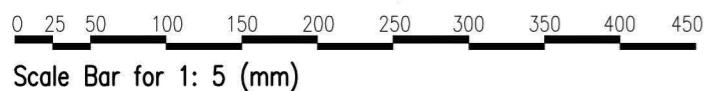




Location Plan 1: 1250



Proposed Site Plan 1: 200



Base Walls:

19mm Roughcast on 100mm thick Blockwork outer leaf, o/all 100mm cavity, 100mm thick blockwork inner leaf all built up to C.F.L. Base walls built off 600x250mm concrete strip foundations, grade GEN3, reinforced with A393 mesh tp & btm, min 50mm cover, minimum 450mm below finished ground level to top or level with house founds' (whichever is greater). DPC provided min' 150mm above finished ground level (refer to section A-A). Cavity filled to ground level with lean mix concrete. All new DPC's/DPM's to link with existing DPC's/DPM's.

Boundary Wall: (0.17W/m2k)

100mm thick Facing brick outer leaf, o/all 100mm cavity with 50mm thick Kingspan Kooltherm K108 cavity insulation and 50mm nominal cavity width, 100mm thick Celcon high strength blockwork inner leaf finished with 37.5mm Kingspan Kooltherm K118 ins' plasterb'd on 50x25mm S.W. strapping with 25mm thick Kingspan Kooltherm K112 insulation between strapping behind plasterb'd. D/wall built of blockwork/blockwork base, built of 600x250mm concrete strip foundations, grade GEN3, reinforced with A393 mesh tp & btm, min 50mm cover, minimum 450mm below finished ground level to top or level with house founds' (whichever is greater). New walls fixed to existing with furfix wall steel channels (from foundation level up) bolted to wall with 8mm dia expanding rawlbolt fixings as per manufacturers instructions. Vertical Stonecor insulated DPC provided at junction with inner leaf. Vertical cavities closed with Stonecor insulated DPC between ext' & int' leaves with cavity wall head closed with an insulated cavity closer betw'n ext' leaf & int' leaf. DPC provided min' 150mm above finished ground level (refer to Section A-A). Cavity filled to ground level with lean mix concrete. All new DPC's/DPM's to link with existing DPC's/DPM's.

Dado Wall: (0.17W/m2k)

100mm thick Facing brick outer leaf, o/all 100mm cavity with 50mm thick Kingspan Kooltherm K108 cavity insulation and 50mm nominal cavity width, 100mm thick Celcon high strength blockwork inner leaf finished with 37.5mm Kingspan Kooltherm K118 ins' plasterb'd on 50x25mm S.W. strapping with 25mm thick Kingspan Kooltherm K112 insulation between strapping behind plasterb'd. D/wall built of blockwork/blockwork base, built of 600x250mm concrete strip foundations, grade GEN3, reinforced with A393 mesh tp & btm, min 50mm cover, minimum 450mm below finished ground level to top or level with house founds' (whichever is greater). New walls fixed to existing with furfix wall steel channels (from foundation level up) bolted to wall with 8mm dia expanding rawlbolt fixings as per manufacturers instructions. Vertical Stonecor insulated DPC provided at junction with inner leaf. Vertical cavities closed with Stonecor insulated DPC between ext' & int' leaves with cavity wall head closed with an insulated cavity closer betw'n ext' leaf & int' leaf. DPC provided min' 150mm above finished ground level (refer to Section A-A). Cavity filled to ground level with lean mix concrete. All new DPC's/DPM's to link with existing DPC's/DPM's.

Blockwork Fixings:

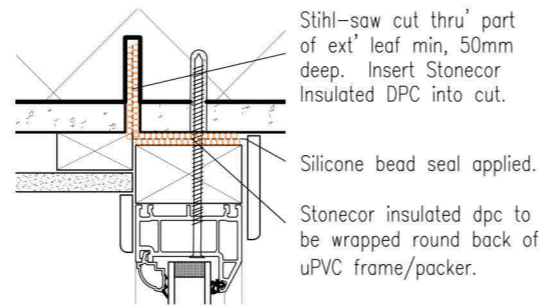
Ext' Facing brick/ Block Leaf Fixing to Existing Walls:

Facing brick/ Block wall linked to existing with Furfix Steel Wall Starters fitted as per manufacturers instructions or similar and approved, providing vertical insulated Stonecor DPC at junction of inner leaf to existing house wall from foundation level up.

Blockwork/Concrete Summary:

All concrete to be of RC35 grade unless otherwise stated.

Concrete block (above G.L.) - Not less than 3.5N/mm2 saturated compressive strength. All blockwork below G.L., up to DPC level to be a min' of 7.0N/mm2 compressive strength. All mortar to be Designation (iii) in accordance with BS 5628.

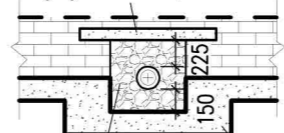


Typical Exist, Wall/Window Detail 1:5

Drainage Protection:

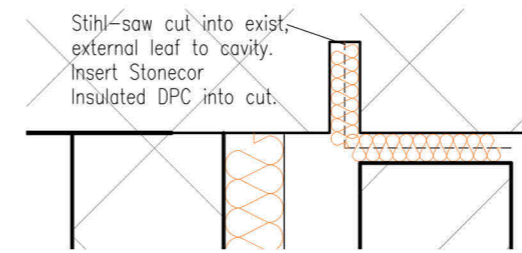
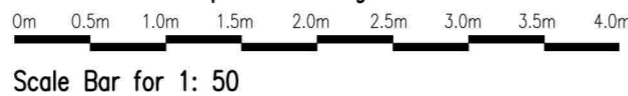
New foundations to be stepped below exist' drain at both crossover points with new walls lintolled over drains with drains sleeved thru' walls. Exist' drain to be encased in min' 150mm thick pea gravel surround all round over full length of drain below new structure.

2 No. 150x100mm P.C Lintels bridging over exist, drain.

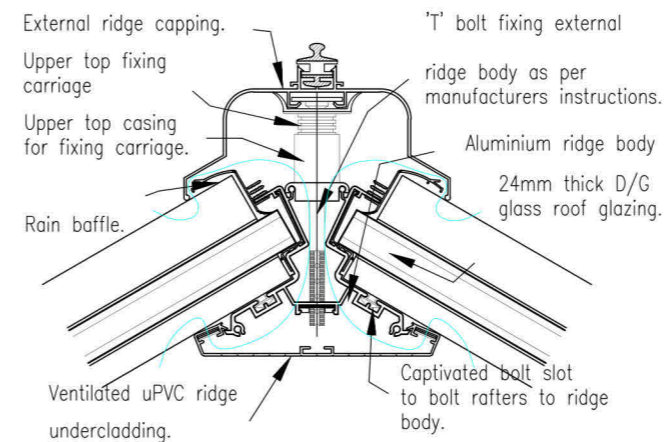


Drain to be encased in 150mm of pea gravel

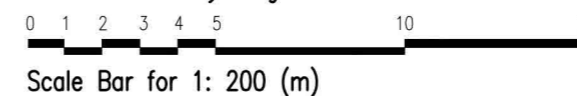
Proposed Drainage Protection 1: 50



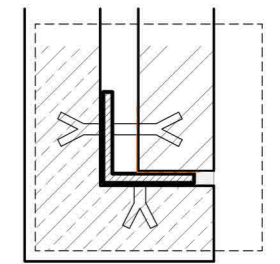
Typical Junction Detail Of New Wall To Existing House Wall. 1: 5



Conservatory Ridge Detail 1: 5



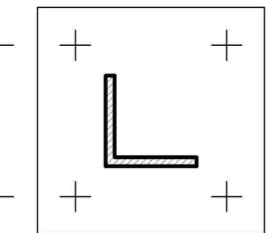
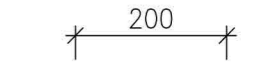
120x120x12mm (S355) rolled steel angle m.s. base plate holed to suit 4 M16 Rawbolts and welded to RSA with 6mm fillet weld.



Plan at boundary wall outer end

Fishtail & butterfly ties are NOT to be used under any circumstances.

Wall ties to be galvanised m.s. flat strip 30x1.5mm with 50mm return @ RSA end. Ties to be shot fired to angle with Hilti DX system.



Section at base of Post

Wall ties to be spaced at a min density of 2.5 ties per m2. This will be satisfied by spacing the ties @ 900mm ctrs horizontally & 450mm ctrs vertically in a staggered pattern.

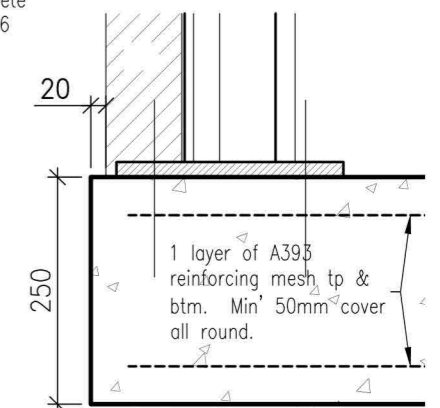
Cavity to wall filled with mortar to ground level & column encased to ground level/d.p.c.

Base plate fixed to concrete foundation using 4No. M16 Rawbolt Thru' bolts @ 200mm ctrs' embedded 100mm.

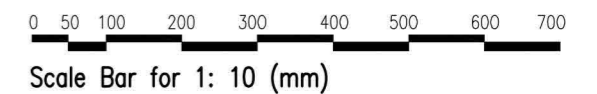
Structural steelwork to be S355 grade to BS EN 10025.

All buried steelwork encased in 100mm concrete.

250mm dp GEN3 conc' strip found' with A393 mesh tp & btm, min' 50mm cover.



Steel Wind Post Details 1: 10



Bryant Cairns
WINDOWS & CONSERVATORIES

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Midlothian,
Scotland EH20 9QH.
Tel: 0131 440 2855
Fax: 0131 448 2096
Web: BryantandCairns.co.uk

Proposed Conservatory
at: 58 Lothian Street, Bonnyrigg
for: Mrs V. Shelley

Work: _____ Home: _____

drawing title:
Site, Location Plans & Details

drawing no. C6031/03	revision: TO	drawn by: TO	date: 22.04.24	scale: see drg
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