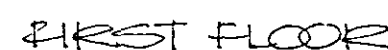


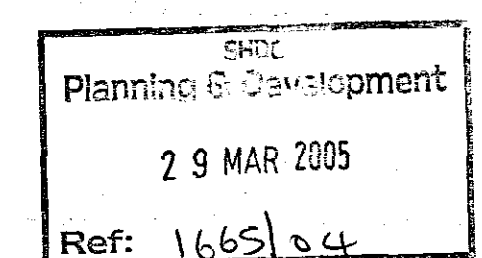
finishes:

- interlocking concrete tiles to match existing.
- facing brickwork to match existing.
- White UPVC windows and doors



AMENDED PLAN

Ref. A1



BROADGATE


BUILDERS LTD

The Race Ground
Spalding
Lincolnshire
PE11 3AP

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Project

PROPOSED EXTENSIONS
TO OFFICES
12 ENTERPRISE WAY
PINCHBECK
SPALDING

Client

THE ALLIUM ALLIANCE LTD

Scale 1:50/1:100 Date December 04

Revision 'A' 'B' 'C'

Roof construction:
Install interlocking concrete tile roof finish to match existing and at same pitch as existing. Tiles are to be installed to manufacturers recommendations.
Tiles are to be installed on 25x50 fully treated battens on Proctor Roofshield or similar breathable sarking with eaves carrier on gangnail hipped roof trusses at max. 600mm cts.
Roof trusses to comply with BS S268 parts 2 and 3 and manufacturer to supply design certificate before installation.
Wall plates to be min. 50x100.
Eaves and verge construction to be formed to match existing. No roof void vents are required as breathable sarking to be used.
Install 25x100 ties at ceiling and ridge level.
All structural timber to be grade SC3 marked dry or kiln dry.
Install 30x5mm mild steel straps at average 1800mm cts. Between roof structure and external walls.
Install code 4 lead flashings/stepped flashings at junction of lower roof and existing and new walls to two storey building. Install cavity tie DPC to new walls combined with lead flashings.
Install code 5 lead lined valley gutters where indicated.
Roof structure to existing two storey building is to be retained and new reducing trusses installed above existing structure at junction between existing and new roofs. Install 25x175 layboards below ends of reducing trusses.
Roof to front entrance lobby constructed as main roof.
Install preformed fibreglass valley gutters.

Gutters, rainwater downpipes and stormwater drains:
Install approx. 112mm dia. half round UPVC gutters with approx. 68mm dia. Downpipes. Downpipes all to match existing to be connected to new soakpits with 110mm dia. UPVC drains bedded on 100mm peagravel to fall to soakpits min. 1 metre cube at least 5 metres from building. Location of soakpits will be confirmed on site with LA building inspector.

Ceilings:
New ground and first floor ceilings to be formed of 12.5mm thick plasterboard with skim or Artex finish. All new first floor ceilings to have support to all plasterboard joints. Perimeter of all new ceilings to be supported.

Roof insulation:
Install 100mm thick fibreglass quilt insulation between ceiling ties and 150mm thick quilt over ceiling ties to new first floor and entrance lobby ceilings.

Suspended timber floor:
Formed of 22mm thick moisture resistant T&G flooring grade chipboard on 47x220 & 63x220 joists at 400mm c/s. (refer to structural engineers drawing) with solid or herringbone strutting at mid span. Joists supported on inner skin of external wall and new and existing internal walls.
Refer to structural engineers drawing and calculations for further details of floor construction and details of steel beam supporting floor.
Install triple joists bolted together at max. 600mm c/s, where indicated. Install double joists bolted together below stud partition to C.M. Install min. 100mm thick firebraggs quilt sound deadening between floor joists.
Install 30x25mm mid span cleats between floor joists and external walls at average 1800mm c/s. Straps to extend over 200. Timbers where at right angles supported by nogginns.

Cavity walls:
Constructed of 103mm thick facing brickwork, 75mm thick insulated cavity and 100mm thick insulating concrete block (650 kg/m³, 0.16 W/m2K) with dense plaster or 12.5mm plasterboard and skim on dabs internal finish. Cavity insulation to be 75mm thick Ditherm cavity insulation batts installed to manufacturers recommendations. Average U value to be 0.35 W/m2K.
Install TD1(UK)SL4 Weatheror or similar insulated cavity closer with frames lapping by min. 30mm.
Install stainless steel wall ties at 900mm cts. Horizontally, 450mm cts. Vertically and at 225mm cts. Within 225mm of reveals.
Install Hylopad DPC min. 150mm above ground level with DPM lapping inner wall DPC.
Any concrete blockwork below DPC level to be class A.
New walls bonded to existing with Furriflex wall extension profiles except where indicated on structural engineers drawing.

Ground floor:
Constructed of approx. 40mm thick sand/cement screed on 100mm thick grade Gen3 concrete slab with 25mm thick expanded polystyrene insulation to perimeter on 100mm thick HD grade expanded polystyrene insulation on 1200 kg/cu m polythene DPM lapped over wall DPC on min. 150mm thick hardcore well consolidated and blinded.



KEY TO SYMBOLS

 Water type fire extinguisher, size in litres

E Fire exit notice - To be Jalite or similar photoluminescent signs to comply with B.S.5499 part 1 1984 and B.S.5266.

⊙ Indicates approx. location of emergency light fitting. Installation to comply with all relevant standards in particular B.S.526

30mins. Indicates 1/2hr. fire resisting self closing door complete with intumescent smoke seals.

VP Clear vision panel (Wired safety glass)
 ⊙ Fire alarm operating point.