solar panels

10-02/7

WARM ROOF
single ply roofing with proprietary flashings
120 kingspan PIR insulation
18mm wbp ply to 1:40 falls on cca firrings
200x50 cca sw joists to s.e.spec
12.5 plasterboard and skim

top of joists

WEATHER BOARD WALL
150x20 oiled t&g boarding
25x32 cca sw vertical battens
tyvek breather membrane
9mm wbp ply sheathing
150x50sw stud walls
150 PIR insulation
62.5mm insulated plasterboard and skim

weatherboard on block

WEATHER BOARD WALL
150x20 oiled t&g boarding
25x32 cca sw vertical battens
tyvek breather membrane
9mm wbp ply sheathing
150x50sw stud walls
150 PIR insulation
62.5mm insulated plasterboard and skim
pc conc coping with steel handrail

pc conc coping with steel handrail

top of brickwork

HALL 2

10-02/5

10-02/5

10-02/9

BALCONY ROOF
single ply roofing with proprietary flashings
18mm wbp ply to 1:40 falls on cca firrings with pir insulation between
18mm wbp ply deck with vapour barrier
200x50 cca sw joists to s.e.spec with PIR insulation between
12.5 plasterboard and skim

top of joists

mvhr

HALL 1

1/2hr fire board

TIMBER FLOOR
20mm ply with finishes to client spec
200x50 sw joists to s.e.detail
100mm 45kg/m3 acoustic insulation
2x12.5 plasterboard and skim

BRICK CAVITY
100 brick to match existing
75mm kingspan PIR insulation
100 cavity with ss ties
100mm blockwork
12.5mm plaster and set

top of joists

mvhr ducts

1/2hr fire doors

planter/bin store/bikes

220

1150

ramp

ramp

gravel

stair dwg 25-12

SITTING

CONCRETE FLOOR
100 polished concrete with underfloor heating pipes
25mm pir insulation
beam and block floor to s.e.detail
render and set finish

top of concrete floor

mvhr ducts

suspended ceiling

railings dwg 25-13

slide

TERRACE

RETAINING WALL
piled retaining wall structure to s.e.detail with render finish

recessed wall lights

RETAINING WALL
piled retaining wall structure to s.e.detail
cavity drain sheeting to sump channel to manufacturer's detail
75 PIR insulation between 75x50 sw frame with proprietary fixings through sheeting where needed
plasterboard and skim

dwg 10-03/4

top of concrete floor

HALL B

BATHROOM 1

UTILITY

CONCRETE FLOOR
100 polished concrete with underfloor heating pipes
75mm pir insulation
reinforced concrete structure to s.e.detail

sump drain to soakaway

drain to soakaway

0 1m 2m

1:50 scale

NOTES

DIMENSIONS TO BE CONFIRMED ON SITE

part A
refer to structural engineers calculations under separate cover
100mm inner leaf blockwork 1350kg/m3

part B
12.5mm plasterboard lining to ceilings and 25mm to steel beams.
escape route with fd20 firedoors
first floor windows openable for escape
mains wired smoke detection system to BS5839 pt6 grade D category LD3
sprinkler/mist system to ground floor

part C
dpcs at 150 afgl, 1200 guage polythene dpm

partD
insulation to be kingspan PIR

part E
masonry cavity walls to boundaries, 100mm 45kg/m³ mineral wool insulation to floors and partitions

part F
flat roof warm roof construction
trickle vents to new windows/doors to give 8000mm2 for habitable rooms and 4000mm2 for other rooms.
extract fans with overrun:bathrooms/wc 15l/s, kitchen 30l/s

part G
heating and hot water works to be by GAS SAFE registered installer

part H
40mm wp from whb, 50mm wp from shower, 100dia svp and drains, roddING access at all pipe junctions

part J
condensing boiler

part K
220 goings
200 max equal risers 42deg pitch
handrail @ 900 above pitch
railings @1100 with 100 between rails

part L
kingspan PIR insulation 0.025w/mk
flat roof u value 0.15 (target 0.20)
floor u value 0.22 (target 0.22)
cavity walls u value 0.26 (target 0.30)
new windows to u value 1.8 w/m2k
25% lights to be low energy
Details to be in accordance with BR 'robust details' recommendations
SAP calculation submitted separately

part N
toughened glazing to glass and glazed doors below 1100mm affl

part P
all wiring and electrical work will be designed, installed, inspected and tested in accordance with the requirements of BS7671 the IEE 16th edition wiring guidance and building regulation part P. On completion of the works a copy of the installer's electrical installation test certificate compliant with BS7671 is to be provided to the client and the local authority.

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TITLE
CONTRACT
SECTION B

DATE 10.7.15
SCALE 1:50 @A3

DRAWING NO COL-C-GA-11