

4.1.7 front entrance door min 800mm clear opening, with accessible threshold as DETR guidance, Aprove On behalf of Angus Council

4.8 all window openings arranged to provide safe access for the arrive Glazing within 800mm of a floor surface to comply with B\$ 6262 part4, 2018

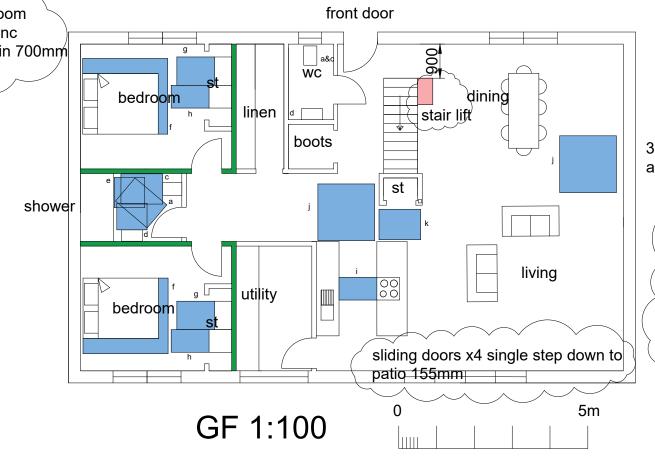
4.13 Ext doors and windows to BS 644:2009. BS 4873:2009 with single point locking and removable key. And to meet the standards set out in ACPO 'Secured by Design 2016' section 22, without compromising means of escape.

2.9.4 At first floor, French Doors to function as an escape windows, and the roof light to the Home Office min open area 0.33m2, min 450x450mm of which the bottom cill no more than 1100mm off the floor

at GF windows to the bedrooms also escape windows as specified above, W1 and W6

4.2.6 on the ground and first floor all room access doors min clear width 800mm inc accessible entrance door, en-suites min 700mm 3.11.1-3inc activity spaces indicated with blue hatch 3.11.6 ref site plan for ext drying area, indoor drying over bath 3.12.3 bathroom activity spaces in blue access 'a' =1100x800 bath 'b' =1200x800wc 'c' =1100x800 whb 'd' =700x800shower 'e' = 800x800walls in the bathroom fully sheathed with 18mm ply to allow the fixing of grab rails etc

accessible sanitary provision for visitors at WC, and staying guests at shared GF shower-room



4.3 Stairs.handrail/balustrade at +900mm to pitch. Handrails and balustrades designed to limit the passage of a 100mm dia sphere, through any gap, and restrict the opportunity for young children to climb over them, 900mm above pitch and 1100mm above ffl at gallery/balcony

and in compliance with

BS 585-1:1989 (domestic stairs)

BS 5395-1:2010 (stairs)

BS EN 16481:2014 (structure) BS 6180:1982 (protective barriers)

stair min 900mm wide R=193, G=240 pitch

38.5deg, 14no rises min headroom over stairs +2000 pitch at all points

5.2 acoustic insulation to internal walls to the bedrooms and the floor between them (hatched or outlined in green) Partition be timber stud min 95mm at 600 centres, with acoustic quilt, min 25mm thk and 10kg/m3 suspended between studs and 1no layer of 12.5mm plasterboard (or MR plasterboard) at 10kg/m2, each side, all joints sealed, floor/ceiling make up.

18mm T&G min 15kg/m2 with 100mm acoustic quilt between joists 10kg/m3 and 2no layers plasterboard each at 10kg/m2 as BSD Generic Details

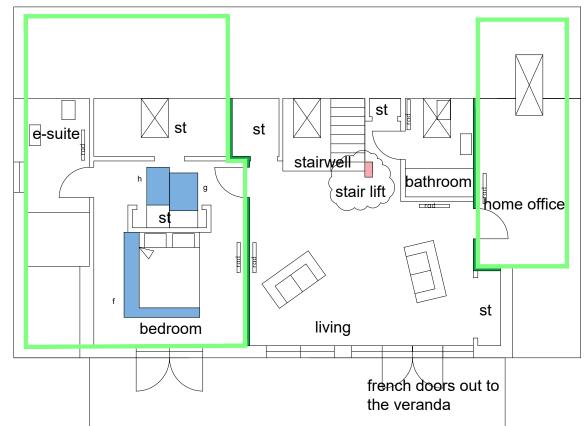
DO NOT SCALE FROM THIS **DWG FOR CONSTRUCTION** 3.11 2 enhanced apartment area >16m2 3.11.1 and 3 legend f 400 at side, 250 at foot g 1000 x 750 h 1000 x 600 i 1000 x 600 j 1500 x 1500 k 1100 x 800 REV 2024.395.6 21.1.25 Herdhill, Kirriemuir. DD8 5LG

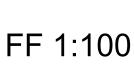
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Access and Safety

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Heating and water supply

Gen at GF an under Hoor System, wet rads FF

Space heating min-performance, is to provide a temp of 21 degC in the enhanced apartment and 18 degC elsewhere within the dwelling, when the outside temp is -1 degC Space heating provided by a remote Electric

Space heating provided by a remote Electric boiler (min 91% efficient) located in the garage, output not greater than 45Kw.

Boiler controls to inc weather compensation, interlock and delayed start/time thermostat Heating system zoned, with 7 day programmer

Hot water supplied by electric immersion coil in the HWC with thermostatic control

to control the risk of legionella and similar pathogens, a secondary heat source, the immersion heater coil will raise the temperature of the stored water, once a week for a short time, to at least 60°C, in accordance with guidance to the Water Byelaws;

4.9.5 TMV at baths to limit water to max 48 degC

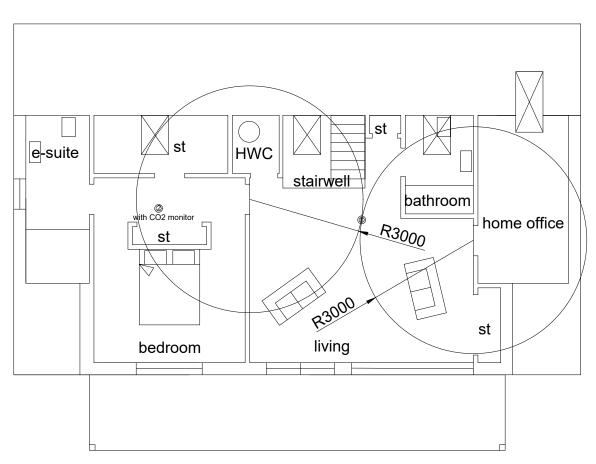
6.4 Pipework insulated to meet standards set out in Table 14 of the Domestic Building Services Compliance Guide for Scotland 2015, and table 6.1.1 TIMSA HVAC Guidance, and thickness no less than equal to the diameter of the pipe, and to a min 0.035 w/mk

EPC to be indelibly marked and located adjacent to the HWC and be visible

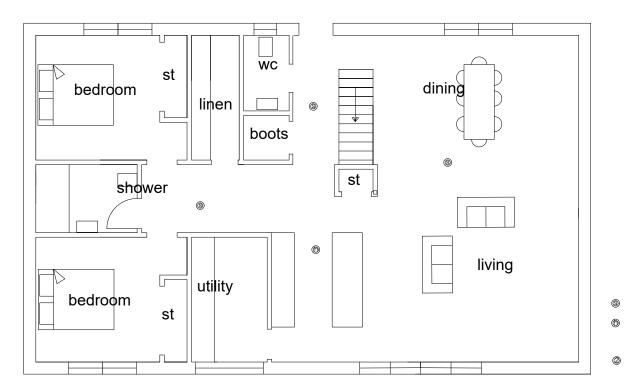
Cold water main nom 22-25mm dia mdpe to stopcock and drain valve

3.27.2 Water efficient fittings to be used throughout in compliance with cl 3.27.2 Scottish Building Regs, Fit ball-0-fix inline valves at all rads, sinks, who etc

6.7, 6.8, Heating and hot water systems inspected and commissioned in accordance with manufacturer's recommendations and a comprehensive O&M manual passed to the owner at completion



FF 1:100



GF 1:100

2.11 Smoke and heat detectors to comply with BS 5446:pt1 2000, linked to local lighting circuit to provide Grade D/LD2 level of detection and warning in compliance with BS 5839:pt6 2019. Sited not less than 300mm from any wall or light fitting and between 25-600mm below seiling level.

In addition standby power to smoke alarms adequate for 72hrs with visual warning that mains power is off, and with capacity to provide warning of smoke for 4min, system hard wired

3.14.2 C02 monitor/detector to comply with Scottish Building Regs, by 'Deta' or similar, detector ceiling mounted >300mm to wall, >1000mm to bed head, monitor easily read to provide min record of preceding 24hrs and have off switch for any audible alarm this monitor to able to detect, record and display within 0-5,000 parts per million

3.7.9 Waste water drainage to be tested in accordance with National Annexe NG to BS EN 12056-2:2000 and BS EN 1610:1998

4.5 Electrical:

Earth bonding and all wiring to comply with the current IET regs and BS 7671:2018 as amended

Shaver socket to comply with BS EN 60742:1996 and BS 3535 pt 1 1996

All electrical equipment and fitting to installed with the appropriate IP Rating as identified in BS EN 60529:1992,

min 100% of light fittings to be low energy and outside lighting fitted with a PIR and manual override

4.8.5 above work-top sockets and switches at surface +150mm otherwise switches at ffl +1000mm, sockets at ffl +450mm, all at min 350mm from any int corner

3.14.3, 3.14.5 extract fans Greenwood
Airvac AXS100 (20l/s) at bathroom and linen
cupboard and AXSKMA 150 (37/70 l/s) at
utility/kitchen, fitted at high level, ffl
+2100mm to centre, bathroom fan wired to
light, fan in utility/kitchen room with integral
humidistat set to run at 50-65%

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Sustainability Label.

7.1 To be fixed adjacent to the consumer unit, indelibly marked and as approved format Annex E of the Scottish Building Regs 2016 (follow link to http://www.s7sust.co.uk)
Target Level: Bronze

smoke detector

heat detector

CO2 monitor

REV

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21.1.25

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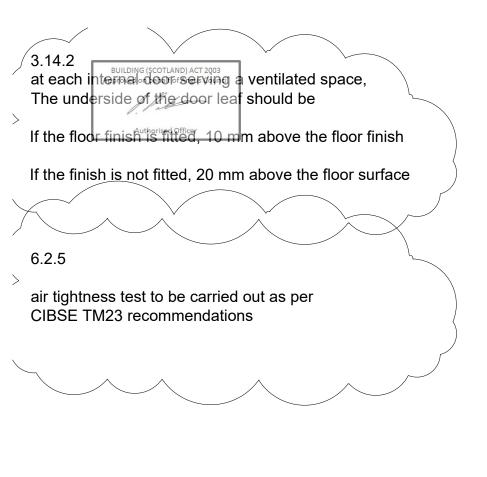
Services 2

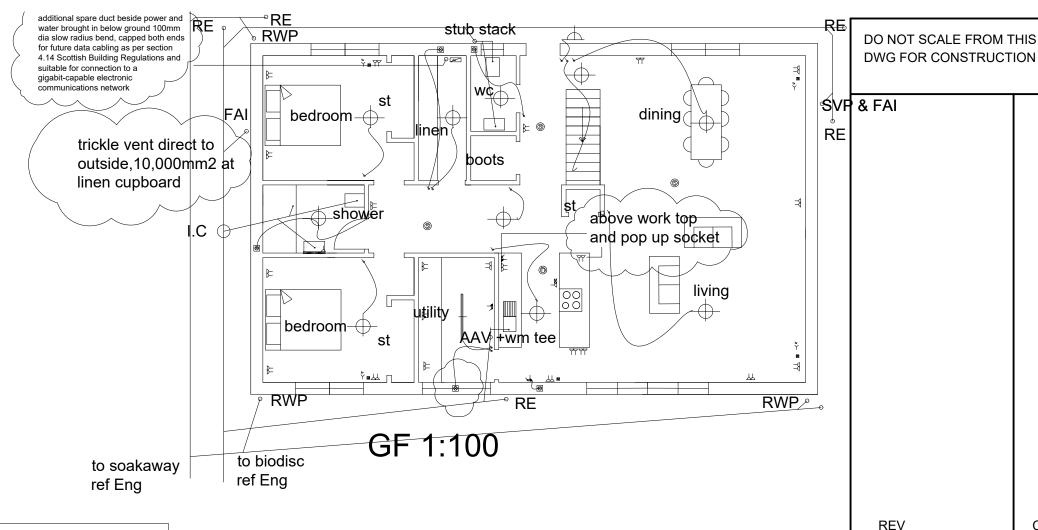
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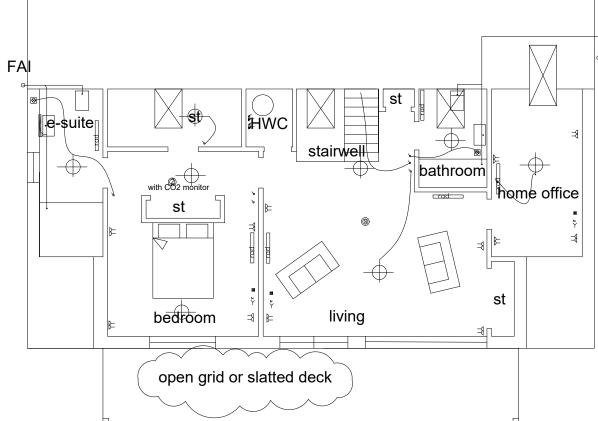
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FF 1:100

3.6 & 3.7 Drainage ref also Garage

SVP & FAI

above ground 110mm, 50mm to baths and sinks, 38mm to whb, 75mm deep seal traps other than showers where lift out traps to be fitted. all installed as: BS EN 12056b-2/2000b, 752-3 1997/2, 752-4 1998,1610 1998c, 12056-3 2000; and tested as: BS EN 12056-2 2000, 1610 1998. where below ground drainage passes through wall fit flexible joints at either side and bridge with a suitable lintol

3.8.7 Label worded as below fixed at the electricity consumer unit and plainly visible

'The drainage system from this property discharges to a wastewater treatment plant (or septic tank, as appropriate). The owner is legally responsible for routine maintenance and to ensure that the system complies with any discharge consent issued by SEPA and that it does not present a health hazard or a nuisance'.

ELECTRICAL LEGEND wall/ceiling mounted fan switched fused spur twin 13 amp socket light switch consumer unit cooker control with neon indicator and socket television aerial outlet BT/data extension single fluorescent tube 1200mm ceiling mounted rose or down-light external bulkhead fitting IP44

mirror light and shaver socket

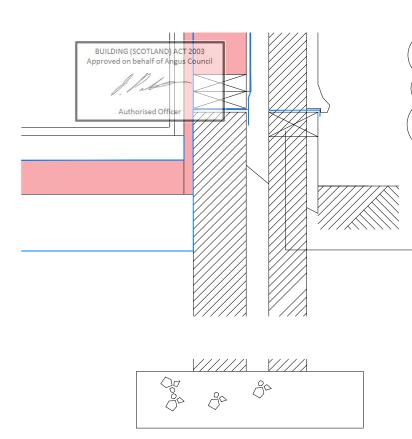
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2024.395.7

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DPC: 1:10

30mm render on to 100mm block min 7N/mm2. mortar 6:1:1, stainless steel cavity wall tie, Ancon Staifix at stud centres and 450mm vertical centres, within 1no course of wall head, and at 215mm centres (vertically) within 250mm of any opening

Render:

mortar joints raked back min 15mm

undercoat 1:1:6 (Portland cement:lime:sharp sand) 16mm thk

topcoat 1:1:6 10mm thk, colour TBA

beads, stops, mesh and screw fixings all stainless steel ref elevations for placing of expanded mesh

These and other construction details are based on the SBSA Accredited Details for Timber frame construction, to ensure the continuity of thermal insulation and vapour barriers, and the avoidance of cold bridges

NOTE:

30min FR to be provided to GF load bearing stud walls,at non load bearing stud walls PIR insulation between studs can be reduced to 100mm,and 15mm PB lining can be omitted

1:10 Wall Construction

skim coat plaster on 15mm Siniat Type A
plasterboard (Class 1 surface spread of flame as
BS476-7) 38mm batten and service void, 25mm PIR
across VCL on 140mm SW stud (all treated SW as
WPA C8), 140mm Knauf Supafil Frame insul
between studs, OSB as Eng spec, Proctor's
Frameshield 100 breather membrane, 50mm cavity,
100mm dense block min 7N/mm2, mortar 6:1:1,
VB at wall continuous with VCL

Rytons Slim Vent to provide the equivalent of 300mm2 at 1.2m centres

DPC Visqueen Zedex CPT min 150mm +GL

2no leaves of 140/100mm dense block below DPC

Floor Construction

30mm render

Floor finish TBA and will affect upfill levels 65mm screed TBA on 500g separation layer on 90mm Kooltherm K103, on 150mm conc slab ref Eng, onVisqueen PIFA DPM all joints lapped min 150mm and fully taped and sealed, on 20mm sand blinding over compacted hardcore

NOTES:

ensuring the continuity of the VB/VCL/DPM/DPC is critical

DPM to lap under the DPC full width of the block leaf

VB to lap over the turned up DPM by min 150mm and fully sealed and taped, if uncertain request instruction

any tears MUST be patched and fully sealed and taped prior to installation of insulation

service zones for pipes and cables are on the inside of the VB to minimise penetrations, where such occur these must be fully sealed and taped (with adhesive, butyl or fleece tape as appropriate to the substrate and membrane), as should perimeter junctions at doors, windows, ducts etc Pitched Roof Construction U=0.12
slate tile fixed on battens as BS 5534 on Proctor's
Roofshield (not shown), on 9mm OSB, rafters by
Eng, 50mm ventilated airspace 170mm PIR, VCL,
30mm PIR, batten and plasterboard as wall spec
eaves ventilation 10mm continuous Ubbink UB11
(10,000mm2 free) at 1m centres and 5mm/2m
centres at the ridge

insect mesh
30 min FR cavity closer,
'Rockwool' or equivalent

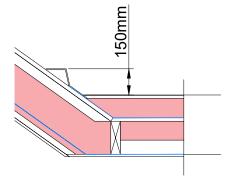


cavity tray to oversail frame opening by min 150mm, and min 150mm upstand

cavity vent 300mm2 at 1.2m C

 30 min FR cavity closer, 'Rockwool' or equivalent

Eaves & Head 1:10

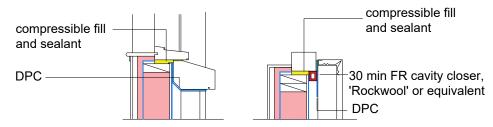


at roof system

Flat Roof U= 0.12

GRP system and fascia as per manufacturer's recommendations Fire Performance as 'Broof', eg 'Polyroof 185' on 18mm ply on 100mm Kingspan TR26 on VCL on 18mm ply on joists by Eng, 100mm Kingspan TP10 between, min 75mm cavity, VB, 12.5mm plasterboard

system flashing 150mm over tilting fillet at roof



Cill & Jamb 1:20

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Note:

at dormer cheeks render or ss mesh, paper backed on battens and counter battens relpaces ext leaf of block in wall construction

load bearing int stud partitions lined with 15mm type A,D,F plasterboard each face to provide 30min FR

REV

2024.395.9

27.1.25

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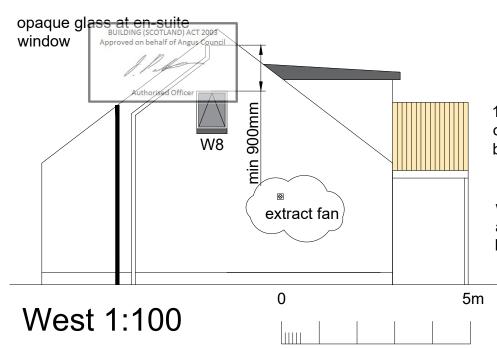
Details

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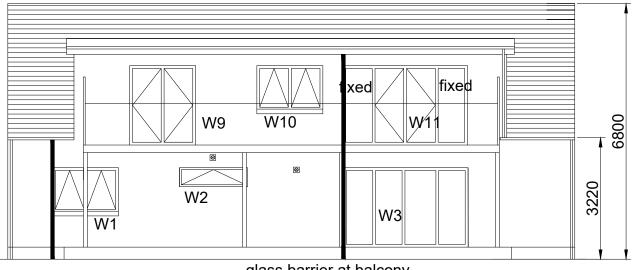
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slate-tile roof and GRP flat roof

1800mm high slatted composite cladding balcony screen

walls off white render and fair faced block base course



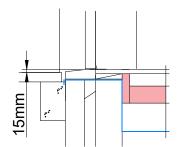
glass barrier at balcony

South 1:100

R2	R3 R4	006
R1		
W4	W5 W6	

North & East 1:200

thickened lines are 30min FR cavity barriers in walls max 10m centres, also ref details

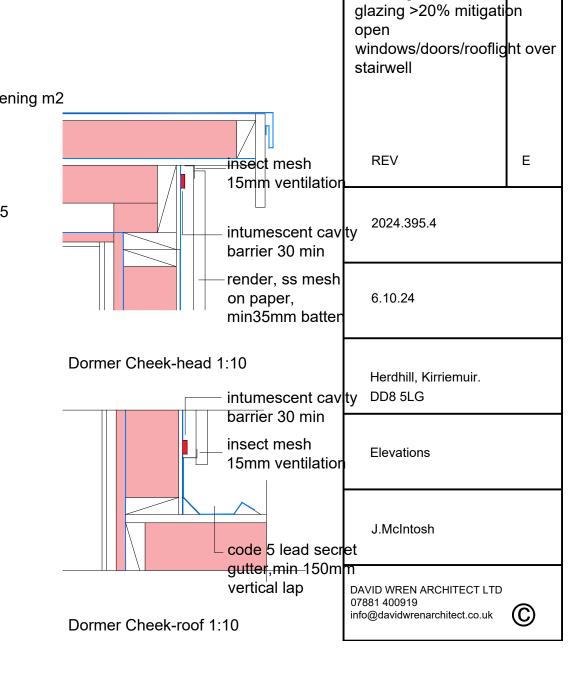


accessible threshold 1:20

Room:	Area m2	Window:	Glazed m2	Ope
GF				
dining living/kitchen utility B2 j-j B1	24 34 12 12	W4 W3 W2 W1	1.6 5.6 0.65 1.6	1.6 2.8 0.65 1.6
WC FF		W5	0.6	0.6
e-s Bed h&h st stairwell bath office living	20 11 23	W8 W9 R4 R3 R2 R1 W10/11	0.6 3.0 0.7 0.7 0.7 1.2 7.2	0.6 3.0 0.7 0.7 0.7 1.2 4.4
iiviiig	20	VV 10/ 1 1	1.4	4.4

3.14.3 Trickle Vents at window head

12,000mm2 at bedrooms/office and living areas
10,000mm2 at kitchen and bathrooms, j-j undercut doors by 10mm



DO NOT SCALE FROM THIS

DWG FOR CONSTRUCTION

U Vlaues W/m2K max

door/ window 1.4

living/kitchen area 34m2,

FF Bed area 20m2 ditto FF living area 23m2

wall 0.17

floor 0.15

roof 0.12

3.28.2

rooflight 2.1

glazing <20%

B2 area 12m2 ditto