

FOUNDATIONS
1300 X 1300 X 750mm deep mass concrête pad foundations to each stanchion - all to Situchural Engineer specification and design Gable steel and foundations offset 1 6mm inwards

STRUCTURE
GOIDS Stanchions:
GOIDS Stanchions
GOIDS Stanchion
GOIDS Stanchi

ELOCA CONSTRUCTION
175mm min thick concrete sign
175mm min thick concrete sign
175mm min thick concrete sign
175mm min sand blinding on
175mm minimum hardcore
180m to thicken to 45mm mini
175mm minimum hardcore
180m to thicken to 45mm mini
180mm minimum hardcore
180m to thicken to 45mm mini
180mm minimum hardcore
180m to 180mm minimum hardcore
180m to 180mm minimum hardcore
180mm minimum

ROOF CLADDING

100mm Kingspan KS1000RW to provide a minimum U-Value of 0.25W/sq.m K
Cladding laid on purins (Albion 214615 steeved rail system or equal approved)

K\$1000RW to provide a minimum U-Value of 0.35W/sq.m. K

WINDOWS/DOORS
UPVC Harmally broken double glazed with 16mm minimum air gap (Low E, En = 0.2) to provide a minimum U-Value of 2.2 W/sq.m. K
Glazed and part glazed doors to be fitted with laminate toughened glass to comply with 8 6206 / 1981
Main entrance doorway to incorporate level threshold

SERVICE DOORS
3.6m high X 3.6m wide Sectional insulated doors to provide a minimum
U-Value of 1.5 W/sq.m. K

D-Yatine on two repairs.

HASHINGS / SEALS

All flashings to be as per Kingspan standard detail sheets
All seals to be as per Kingspan standard detail sheets and
with current Building Regulations

STORM WATER DRAINAGE

0.7mm Thick PM Gutter double sided plastistol coated as Kingspon standard delates with all necessary support brackets to discharge via 4 No 100mm Ø aluminium downpipes to trapped gutleys to connect to 150mm Ø PVC affains ladd to milimum rails 1 in 60 to existing (sitely surface water drainage system Pipes to be surconded in pea gravel or weak mix concrete where subjected to vehicular traffic

FOUL DRANAGE
100mm Ø UPVc foul drains laid to minimum falls 1 in 40 to connect
into existing listle) foul drainage
Pre-cast concrete inspection chambers with heavy duty galvanised
steel double sed covers with strong mortor benching, slow bends
SVP as noted 100mm Ø UPVc with bird proof vent at top terminating
minimum 75mm above avers line
Waste(s) to handbash(s) to be 38mm with 75mm Ø bottle traps via
boyck inter all processing the proof of the Wassels; to running to the About his guilles; Wassels; to sinks(s) to be 40mm with 75mm Ø bottle traps via back inter guilles; Wastes to WCs to be 100mm Ø - All in UPVc

DISABLED ACCESS WC
To comply with Diagram 18 Section M1 / M3 of current building Regulationsinlet gulleys

<u>INTERNAL WALLS</u> 100mm thick medium density block walls finished fairfaced to

receive decoration by others

PERMIETER WALLIS

2530mm high x 100mm thick medium density block walls finished
clarifaced to receive decoration by others with 20mm thick natural
firish Vermiculus board countersunk and predified and plugged and
sarewed to top of block wall to see act oxity!—Junton with adading sedes
using two part poly sulphide mastic
Blockwork but off DPC on Rc slob and lapped over over-site DPM
Blockwork fied back to structural sele using ANCON PPS \$5's dating ancho
complete with de-banding sleeves 125mm long drifted to columns using
árma 0 seld tapping sviews or similar approved all of 750mm centres
vertically

WATER HEATING Each hand basin to have individual instantaneous electric hot was supply

VENTILATION TO WC
To have mechanical extract fans providing minimum 61/s per WC
per hour electrically linked to light switch with 20 minute over-run

HEATING
Gas or all fired hot air heating system installed by specialist contractor with certification to comply with requirements of current A doc Part J and Part M

SMOKE DETECTION / FIRE ALARMS
Smoke detection, position of automatic fir
systems to comply with BS 5839-1 2013

Internal doors to be $\frac{1}{2}$ hour fire rated doors complete with smoke seals, self closers and vision panels to comply with Current A Doc Part 8

DISABLED ACCESS
Internal doors 82/4mm wide door sets (1000mm wide to disabled access WC) to comply with Current A Doc Part M

FIRE DUTS
Fire wills to exterior grade doors and frames fitted with panic latches over-fiding any locking devices
Fire will signs to comply with 85 5499-4 2000 (Health and Safety signs and Signals).

EMBRGENCY LIGHTING
Postions of emergency lighting to comply with BS 5266.1 2011

STRUCTURAL DETAILS AND CALCULATIONS
For details and calculations refer to design sheets 1-31 Ref Windmill

This drawing to be read in conjunction with all specifications and all other consultants design information. Any contradictions between this drawing and any other design information to be advised to the contract adminstrator and author immediately

The contractor to site measure, check and verify all information issued, and confirm the correctness of the contents prior to the commencement

The contractor to comply with all current statutory legislation, Building Regulations, British Standards, and good building practice.

Do not scale from this drawing.

Mitigation Measures as recommended by Sanderson Associates (Consulting engineers) Ltd's report dated 13 November 2014

Any proposed development that has the potential to change the flood mechanisms on a site is to be designed such that there is no increased flood risk to the site itself, or sites upstream and downstream of the development.

Any critical plant or water sensitive stored goods within the site should be raised to a minimum of 600mm above the finished floor level of the proposed units where practicable to do so.

The floor stab of the unit and internal walls up to 600mm above stab level should be sealed with a treatment that will prevent the leaching of flood waters. This will assist in the cleaning of the units should a flood event occur.

Drains within the limits of the site should be regularly inspected and cleared wherever necessary to reduce the risk of blockages and subsequent flooding.

A flood evacuation plan should be provided for the site staff. The flood evacuation plan should include the following information for the current occupiers and must be passed onto any subsequent occupiers to ensure continuity as force as in practicable possible:

The content of the content of the site and t

• Uwhat the different flood codes mean for the property when issued by the NRW (Natural Resources Wales) and what actions to take.

- Confirmation on what the sources of flood risk are to the property
- Confirmation of escape routes from the site should evacuation be attempted
- Advice on what to include in the flood kit

• DUseful contact numbers if required.

Client: Windmill Property Development Units 11 and 12 UNIT 12 - PROPOSED SECTIONS 2 OF 2 1:50 @ A1 Scale: April 2014 Drawing No: A 010 Revision: A

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