



FOUNDATIONS
1200 X 1200 X 750mm deep mass concrête pad foundations to each stanchion - all to Structural Engineer specification and design Gable steel and foundations offset 1 4mm inwards

STRUCTURE

Gable Stanchions: 254 x 146 x 31 UB set on base plate 300 x 350 x 15 with 22Ø holes with 4 No M20300 H/D balts 4 No MAZIKAW TYU JUNI Michi [Intermediate] Stanchlons: 305 x 165 x 40 UB set on base plate 300 x 300 x 15 with 220 holes with 4 No MAZIKAOU H7D boths Structure to incorporate Rafter stoys and ridge gusset plates as indicated

Structure to incorporate korter stays and ridge gusset plates as indicated RODE CONSTRUCTION

175mm min thick concrete slob with 1 layer A 193 reinforcement laid on 1000 gauge oversite DPM on 50mm min sand blinding on 150mm minimum hardcare Slob to thicken to 450mm minimum beneath perimeter wall Dimensions to be confirmed by Structural engineer and to provide a mini U-Value of 0.25Wmsq. K

ROOF CLADDING
100mm Kingspan KS1000RW to provide a minimum U-Yalue of 0.25W/sq.m K
Cladding laid on purifix (Albion Z14615 sleeved rall system or equal
approved)

WALL CLADDING 800mm Kingspan

WINDOWS/DOORS
UPYC thermally troken double glazed with 16mm minimum oir gap (Low E. En = 0.2) to provide a minimum U-Yalue of 2.2 W/sz,m. K.
Glazed and part glazed doors to be fifted with laminate toughened glass to comply with 8.500.6 / 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

PASHINGS / SEALS
All flashings to be as per Kingspan standard detail sheets
All seals to be as per Kingspan standard detail sheets and in compliance
with current Building Regulations

STORM WATER DRAINAGE
0.7mm thick PM Gutter double sided plastisol coated as Kingspan

u/mm mick PM Gutter double sided plastified coafed as Kingson standard delbtils with all necessory support broades to discharge via 4 No 100mm Ø aluminium downpides to trapped gutleys to connect to 150mm Ø PVC drains ladd to minimum talls 1 in Ø0 to estima gittel surface varier drainage system. Plpas to be surrounded in ped gravel or weak mix concrete where subjected to vehicular traffic.

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

NTERNAL WALLS 100mm thick medium density block walls finished fairfaced to

receive decoration by orners

PERMETER WALLS

2550mm High x: 100mm thick medium dentity black walls finished
afforces to receive descaration by others with 20mm thick natural
finish Vermicular, board counteraunt and predified and plugged and
conveed to top of black will be sed cavily - Junction with clouding sealeusing two port poly sulphide mattle.

Blackwork bild of IPC on RC bids and lapped over over-elle PPM
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form IPC and the black bids and lapped will delice to column using
form IPC self topping sviews or similar approved all at 750mm centres

<u>WATER HEATING</u> Each hand basin to have individual instantaneous electric hot

suppry VEMILLATION 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 oil freed hot air heatling system installed by specialist
contractor with certification to comply with requirements of cur
A doc Part J and Part M

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

DISABLED ACCESS
Internal doors 826mm wide door sets (1000mm wide to disabled access WC) to comply with Current A Doc Part M

RRE RATING
Internal doors to be ½ hour fire rated doors complete with smoke seals, self closers and vision panels to comply with Current A Doc Part B

FIRE EXITS
Fire exits to exterior grade doors and frames filted with panic latches over-fiding any locking devices
Fire exit signs to comply with 85 5499-4 2000 (Health and Safety signs and Signals)

EMERGENCY 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

wing 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:

Through the state of the state

• [] What 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

Useful contact numbers if required.

Client: Windmill Property Development Units 11 and 12 UNIT 12 - PROPOSED SECTIONS 1 OF 2 1:50 @ A1 1:25 @ A1 Scale: April 2014 Drawing No: A 009 Revision: A

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